CITY OF BEVERLY

BEVERLY MIDDLE SCHOOL

502 CABOT STREET • BEVERLY, MASSACHUSETTS

100% Schematic Design

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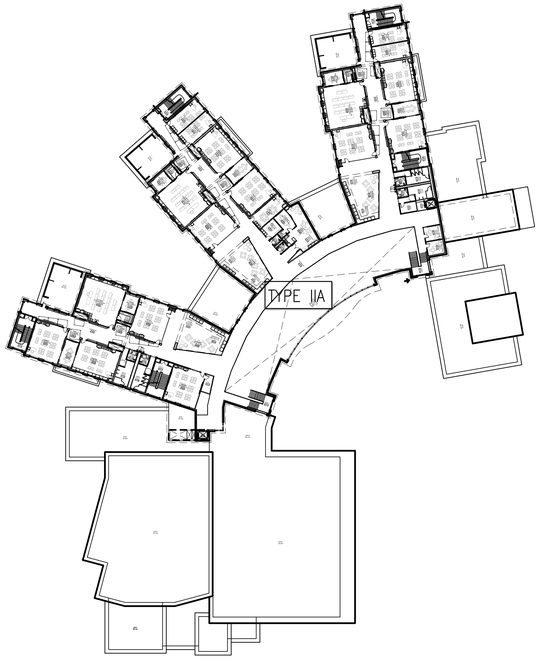
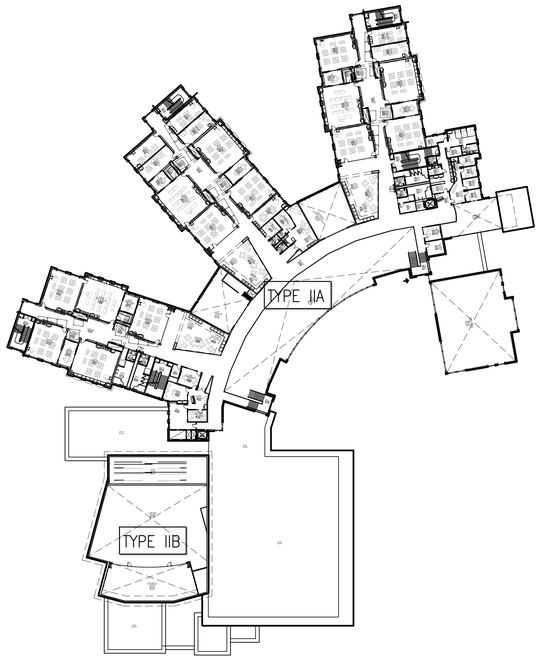


5 FORTH FLOOR PLAN



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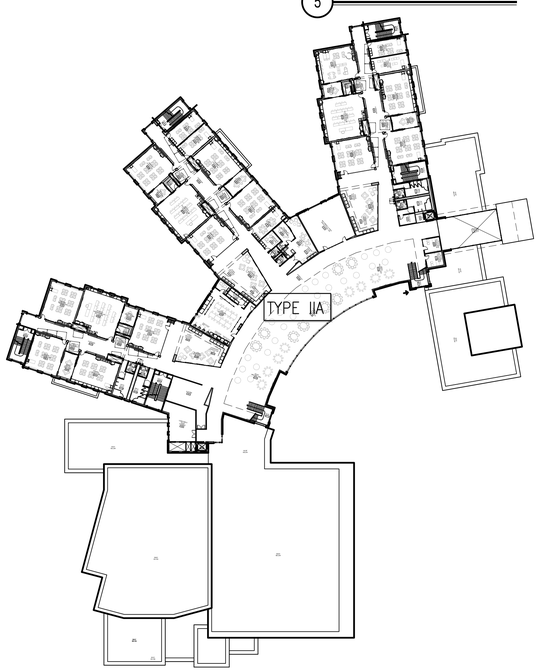

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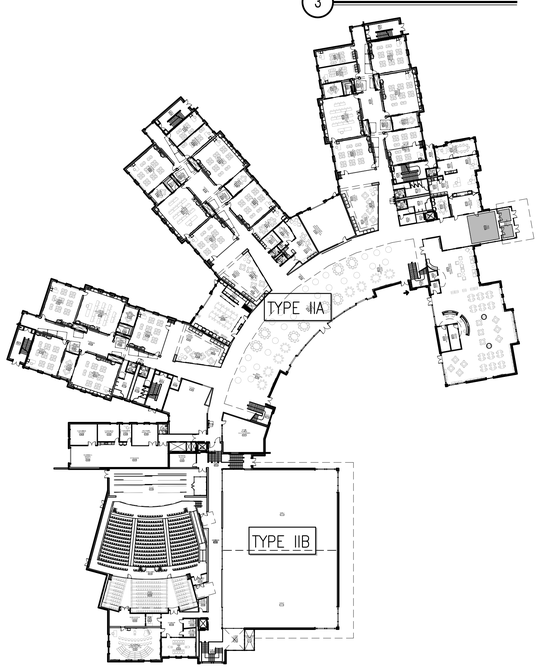

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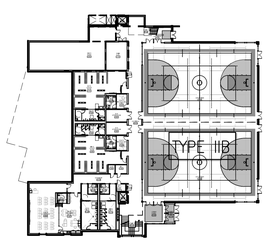

1 LOWER LEVEL FLOOR PLAN

BUILDING CODE ANALYSIS

BEVERLY PUBLIC SCHOOLS - Middle High School
Ai3 Architects, LLC - Project #1403.00
Massachusetts State Building Code - 780 CMR: 9th Edition (2015 International Building Code w/ Massachusetts Amendments)

Programmed Student Population:	1,395	persons
Programmed Staff Population:	160	persons

****NOTE: The outline below indicates specific code sections intended for ease of reference to the Construction Documents and is NOT intended as a complete code analysis document.**

A. SCHOOL BUILDING CODE ANALYSIS

Chapter 3: Use and Occupancy Classification
- 303.2 Use Group Classification A-1 (Auditorium)
- 303.3 Use Group Classification A-2 (Cafeteria)
- 303.4 Use Group Classification A-3 (Gymnasium, Library)
- 304.1 Use Group Classification B
- 305.1 Use Group Classification E

Chapter 4: Special Detailed Requirements Based on Use and Occupancy
Section 404 Atriums.
-404.1 General. The main lobby connects two stories of the building and is considered an atrium.
-404.5 Smoke Control. A smoke control system shall be installed in accordance with Section 909.
Exception: Smoke control is not required for atriums that connect only two stories, in Use Group E and A.
-404.6 Enclosure of atrium. *Atrium* spaces shall be separated from adjacent spaces by a 1-hour *fire barrier* constructed in accordance with Section707 or a *horizontal assembly* constructed in accordance with Section711, or both.
Section 410 Stages and Platforms.
-410.3.4 Proscenium Wall - If stage height is less than 50 feet, a Proscenium wall is not required. Designed stage height is 33 feet 6 inches.
-410.3.5 Proscenium Curtain - Proscenium curtain not required since proscenium wall not required.
-410.3.7.1 Roof Vents - Stage area is 1600 sq. ft. Roof vents provided for stage ventilation.

Chapter 5: General Building Heights and Areas
Type IIA Construction classified as a separate mixed-use occupancies and must comply with Section 508.4
- No Separation is required between A and E occupancies (Table 508.4)

-Table 504.3: Allowable Building Height in Feet above Grade Plane
-Type IIA Construction (A-1, A-2, A-3 and E occupancies) - 85 feet.
-Type IIB Construction (A-1 and A-3 occupancy) - 75 feet.
-Table 504.4: Allowable Number of Stories Above Grade Plane
-Type IIA Construction (A-1, A-2, A-3 and E occupancies) - 4 stories.
-Type IIB Construction (A-1 and A-3 occupancy) - 3 stories.
-Table 506.2: Allowable Area Factor
-Type IIA Construction (A-1, A-2, A-3 and E occupancies)
- 508.4.2 Allowable building area - In each story, the building area shall be such that the sum of the ratios of the actual building are of each separated occupancy divided by the allowable building are of each separated occupancy shall not exceed 1
-Frontage increases may be applied to each occupancy
-Type IIB Construction (A-1 and A-3 occupancy) - 45,000 SF

Chapter 6: Types of Construction
Table 601 Fire Resistance Rating Requirements for Building Elements
Structural Frame, Bearing Walls, Non Bearing Walls, Floor Construction, Roof Construction elements are rated for Type IIA Construction & Type IIB Construction as identified in the chart below:

TABLE 601 FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

Building Element	Type IIB	Type IIA
Structural Frame (f) (see Section 202)		
Including columns, girders, trusses	0	1
Bearing Walls:		
Exterior (a,f)	0	1
Interior	0	1
Exterior Nonbearing Walls & Partitions	See Table 602	See Table 602
Interior Non Bearing Walls & Partitions (d)	0	0
Floor Construction		
Including supporting beams and joists (See Section 202)	0	1
Roof Construction		
Including supporting beams and joists (See Section 202)	0	1

Chapter 7: Fire and Smoke Protection Features
Section 703 Fire-Resistance Ratings and Fire Tests.
-703.7 Marking Identification - Fire walls, fire barriers, fire partitions, smoke barriers and smoke partitions or any other wall required to have protected openings or penetrations shall be effectively and permanently identified with signs or stenciling in the concealed space. Such identification shall:
1.Be located within 15 feet of the end of each wall and at intervals not exceeding 30 feet measured horizontally along the wall or partition.
2. Include lettering not less than 3 inches in height with a minimum 3/8" stroke in a contrasting color, incorporating the suggested wording: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS,"or other wording.
Section 706 Fire Walls.
-Table 706.4: Fire wall fire-resistance rating (hours) requires a 3-hour fire resistance rating for user groups A and E.
-706.5.1 Exterior Walls - Where the fire wall intersects exterior walls, the fire-resistance rating and opening protection of exterior walls shall comply with one of the following:
1. Exterior walls on both sides of the fire wall shall have a 1-hour fire resistance rating with 3/4" hour protection where opening protection is required by Section 705.8.
2. The fire resistance rating of the exterior walls hall extend not less than 4 feet on each side of the intersection of the fire wall to the exterior wall.
Section 707 Fire Barriers.
-707.6 Openings - Openings in a fire barrier shall be protected in accordance with Section 715. Openings shall be limited to a maximum aggregate width of 25 percent of the length of the wall, and the maximum area of any single opening shall not exceed 156 square feet. Openings in exit enclosures and exit passageways shall also comply with Sections 1022.3 and 1023.5, respectively.
Exceptions:
1. Openings shall not be limited to 156 square feet where adjoining floor areas are equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.
Section 713 Shaft Enclosures.
-713.2 Shaft enclosure shall be constructed as fire barriers in accordance with Section 707 or horizontal assemblies in accordance with Section 711, or both.
-713.4 Fire-Resistance Rating - Shaft enclosures shall have a fire-resistance rating not less than 1 hour where connecting less than four stories.
-713.11 Enclosures at the Bottom - Shafts that do not extend to the bottom of the building or structure shall comply with one of the following:
1. They shall be enclosed at the lowest level with construction of the same fire-resistance rating as the lowest floor through which the shaft passes, but not less than the rating required for the shaft enclosure.
2. They shall terminate in a room having a use related to the purpose of the shaft. The room shall be separated from the remainder of the building by fire barriers constructed in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 711, or both. The fire-resistance rating and opening protectives shall be not less than the protection required for the shaft enclosure.
3. They shall be protected by approved fire dampers installed in accordance with their listing at the lowest floor level within the shaft enclosure.
Exceptions:
1. The fire-resistance-rated room separation is not required, provided there are no openings in or penetrations of the shaft enclosures to the interior of the building except at the bottom. the bottom of the shaft shall be closed off around the penetrating items with materials permitted by Section 718.3.1 for draftstopping, or the room shall be provided with an approved automatic sprinkler system.
2. A shaft enclosure containing a waste or linen chute shall not be used for any other purpose and shall discharge in a room protected in accordance with section 713.13.4.
3. The fire-resistance-rated room separation and the protection at the bottom of the shaft are not required provided there are no combustibles in the shaft and there are no openings or other penetrations through the shaft enclosure to the interior of the building.

713.12 Enclosure at the top - A shaft enclosure that does not extend to the underside of the roof sheathing, deck or slab of the building shall be enclosed at the top with construction of the same fire-resistance rating as the topmost floor penetrated by the shaft, but not less than the fire-resistance rating required for the shaft enclosure.

Section 716 Opening Protectives.
-716.5 Fire Door and Shutter Assemblies - Approved fire door and fire shutter assemblies shall be constructed of any materials or assembly of component materials that conforms to the test requirements of Section 716.5.1, 716.5.2, or 716.5.3 and the fire protection rating indicated in Table 716.5. fire door frames with transom lights, sidelights or both shall be permitted in accordance with Section 716.5.6. Fire door assemblies and shutters shall be installed in accordance with the provisions of this section and NFPA 80.
Exceptions:
1. Labeled protective assemblies that conform to the requirements of this section or UL 10A, UL 14B and UL 14C for tin-clad fire door assemblies.
2. Floor fire door assemblies in accordance with Section 712.1.13.1.

-716.5.5 Doors in Exit Enclosures and Ramps and Exit Passageways - Fire door assemblies in interior exit stairways and ramps and exits passageways shall have a maximum transmitted temperature rise of not more than 450°F above ambient at the end of the 30 minutes of standard fire test exposure.
Exception: The maximum transmitted temperature rise is not required in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.

-715.5.3.2 Glazing in Doors - Fire-protection-rated glazing in excess of 100 square inches shall be permitted in fire doors. Fire-resistance-rated glazing in a fire door shall have a maximum transmitted temperature in accordance with Section 716.5.5 when the fire door is tested in accordance with NFPA 252, UL 10B, or UL 10C.
-715.5.6 Fire Door Frames with Transom Lights and Sidelights - Door frames with transom lights, sidelights or both, shall be permitted where a 3/4 hour fire protection rating or less is required in accordance with Table 716.5. Where a fire protection rating exceeding 3/4 hour is required in accordance with Table 716.5, fire door frames with transom lights, sidelights or both, shall be permitted where installed with fire-resistance-rated glazing tested as an assembly in accordance with ASTM E119 or UL263.

Section 718 Concealed Spaces.
-718.5 Combustible materials in concealed spaces in Type I or II construction - combustible materials shall not be permitted in concealed space of Type I or II construction
Exception: Combustible materials in accordance with Section 603.

Chapter 15: Roof Assemblies and Rooftop Structures
Section 1505 Fire Classification.
-Table 1505.1 Minimum Roof Covering Classification for Types of Construction
Type IIA & Type IIB Construction requires class B roof assemblies.
-1505.3 Class B Roof Assemblies - Class B roof assemblies are those that are effective against moderate fire-test exposure. Class B roof assemblies and roof coverings shall be listed and identified as Class B by an approved testing agency.

B. FIRE PROTECTION SYSTEM:

Section 904 Automatic Sprinkler Systems.
903.2 Where required.
Approved *automatic sprinkler systems* in new buildings and structures shall be provided in the locations described in Sections 903.2.1.1, 903.2.1.1, and 903.2.1.3 (Group A occupancies).
Exception: Spaces or areas in telecommunications buildings used exclusively for telecommunications equipment , associated electrical power distribution equipment, batteries and standby engine, provided those spaces or areas are equipped throughout with an automatic smoke detection system in accordance with Section 907.2 and are separated from the remainder of the building by not less than -1hour *fire barriers* constructed in accordance with Section 707 or not less than 2 - hour *horizontal assemblies* constructed in accordance with Section 711, or both.

903.2.3 Group E.
An *automatic sprinkler system* shall be provided for Group E occupancies as follows:
1. Throughout all Group E fire areas greater than 12,000 square feet (1115 m2) in area.
2. Throughout every portion of educational buildings below the lowest level of exit discharge serving that portion of the building.

907.2.3 Group E.
A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E occupancies. When *automatic sprinkler systems* or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system.
Exceptions:
1. A manual fire alarm system is not required in Group E occupancies with an occupant load of 50 or less.
2. Emergency voice/alarm communication systems meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall not be required in Group E occupancies with occupant loads of 100 or less, provided that activation of the manual fire alarm system initiates an approved occupant notification signal in accordance with Section 907.5.
3. Manual fire alarm boxes are not required in Group E occupancies where all of the following apply:
3.1. Interior corridors are protected by smoke detectors.
3.2. Auditoriums, cafeterias, gymnasiums and similar areas are protected by heat detectors or other approved detection devices.
3.3. Shops and laboratories involving dusts or vapors are protected by heat detectors or other approved detection devices.
4. Manual fire alarm boxes shall not be required in Group E occupancies where all of the following apply:
4.1. The building is equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1.
4.2. The emergency voice/alarm communication system will activate on sprinkler waterflow.
4.3. Manual activation is provided from a normally occupied location.

C. ELECTRICAL ROOM FIRE RATING:

NFPA 13
Section 8.15.10 - Electrical Equipment
-8.15.10.3 Sprinklers shall not be required in electrical equipment rooms where all the following conditions are met:
1. The room is dedicated to electrical equipment only.
2. Only dry-type electrical equipment is being used.
3. Equipment is installed in a 2-hour fire-rated enclosure including protection for penetrations.
4. No combustible storage is permitted to be stored in the room.

Main Electrical Room: All 4 conditions met. Automatic water sprinkler system not required.
Emergency Electrical Rooms: All 4 conditions met. Automatic water sprinkler system not required.
Secondary Electrical Rooms: Non rated construction. Automatic water sprinkler system provided.

D. MEANS OF EGRESS:

Chapter 10: Means of Egress
Occupancy Loads: (IBC 2015)
-Table 1004.1.2: Maximum Floor Area Allowance Per Occupant

Assembly - Auditorium:	535 (527 fixed seats + 8 accessible spaces)
Stage - Auditorium:	1 occupant per 15 nsf
Assembly - Student Dining:	1 occupant per 15 nsf
Assembly - Conference Room:	1 occupant per 15 nsf
Assembly - Gymnasium	1 occupant per 7 nsf
Locker Rooms:	1 occupant per 50 gsf
Exercise Rooms:	1 occupant per 50 gsf
Business Areas:	1 occupant per 100 gsf
Classroom:	1 occupant per 20 nsf
Vocational Area:	1 occupant per 50 nsf
Library - Reading Room:	1 occupant per 50 nsf
Library - Stack Area:	1 occupant per 100 nsf
Mechanical / Storage Rooms:	1 occupant per 300 gsf
Kitchen:	1 occupant per 200 gsf

-1005.3 Required Capacity Based on Occupant Load - Reference diagrams and floor plans, drawings G0.02 - G0.05 Fire Safety Plans for compliance with 1005.3.1 Stairways and 1005.3.2 Other Egress Components.
- Table 1015.1 - Spaces With One Means of Egress
Occupancy Use Group E Maximum Occupant Load - 49 Occupants
- Table 1021.1 - Minimum Number of Exits for Occupant Load
2 Exits 1 - 500 Occupants
3 Exits 501 - 1000 Occupants
4 Exits More than 1001 Occupants
Section 1017 - Exit Access Travel Distance
-Table 1017.2: Exit Access Travel Distance (a)
-Required Exit Access Travel Distance with Sprinkler System (b) - 250 ft
B. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 where allowed.
Section 1020 - Corridors
- 1020.1 Construction - Corridors shall be fire-resistance rated in accordance with Table 1020.1. The corridor walls required to be fire-resistance rated shall comply with Section 708 for fire partitions.
- Table 1020.1 - Corridor Fire-Resistance Rating
- Occupancy Use Group E
- Occupant Load served by corridor greater than 30
- Required Fire-Resistance Rating with Sprinkler System (c) - 0 hours
c. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 where allowed.
- 1020.4 Dead Ends - Where more than one exit or exit access doorway is required, the exit access shall be arranged such that there are no dead ends in corridors more than 20 feet in length.
Exceptions:
2. In occupancies in Groups B, E, F, I-1, M, R-1, R-2, R-4, S and U, where the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, the length of the dead-end corridors shall not exceed 50 feet.
3. A dead-end corridor shall not be limited in length where the length of the dead-end corridor is less than 2.5 times the least width of the dead end corridor.
Section 1023 - Interior Exit Stairways and Ramps
-1023.2 Enclosures Required - Interior exit stairways and ramp enclosures shall have a fire-resistance rating of not less than 2-hours where connecting 4-stories or more and not less than 1-hour where connecting less than four stories.
-1023.7 Exit Enclosure Exterior Walls - Where nonrated walls or unprotected openings enclose the exterior of the stairway or ramps and the walls or openings are exposed by other parts of the building at an angle of less than 180 degrees, the building exterior walls within 10 feet horizontally of a nonrated wall or unprotected opening shall have a fire-resistance rating of not less than 1 hour. Openings within such exterior walls shall be protected by openings protectives having a fire protection rating of not less than 3/4 hour. This construction shall extend vertically from the ground to a point 10 feet above the topmost landing of the stairway or ramp, or to the roof line, whichever is lower.

E. EXITS:

- See Diagrams & Floor Plans, Drawing G0.02 - G0.05 Fire Safety Plans

F. MAXIMUM TRAVEL DISTANCE:

- Table 1017.2 - Exit Access Travel Distance
Occupancy Use Group E with Sprinkler System - 250 Feet

G. PLUMBING FIXTURES AS REQUIRED FOR MAIN SCHOOL BUILDING

Educational Use (Secondary)

Plumbing Code 248 CMR Section 10.10(18) Table 1

Programmed Student Population:	1395 persons	
Girls: 1395 / 2 = 698	Required	Designed
Water Closets	1 per 30 = 24	28
Lavatories	1 per 90 = 8	20
Boys: 1395 / 2 = 698	Required	Designed
Water Closets	1 per 90 = 8	12
Urinals	1 per 90 = 8	16
Lavatories	1 per 90 = 8	20

Programmed Staff Population:	160 persons	
Women: 160 / 2 = 80	Required	Designed
Water Closets	1 per 20 = 4	8
Lavatories	1 per 40 = 2	8
Men: 160 / 2 = 80	Required	Designed
Water Closets	1 per 25 = 4	8
Lavatories	1 per 40 = 2	8

Handicap Unisex Toilet Room fixtures provided in addition to those required in the following rooms:
Nurses Suite (T2-1) & Administration Suite (T1-1).

Programmed Student & Staff Population:	1555 persons	
	Required	Designed
Drinking Fountains	1 per 75 = 21	22
Service Sinks	1 per floor	5

Auditorium: 750 seats

Women:	Required	Designed
Water Closets	1 per 200 = 3	6
Lavatories	1 per facility	2
Men:		
Water Closets	1 per 600 = 1	2
Urinals	1 per 200 = 3	4
Lavatories	1 per facility	2

Gymnasium: 791 seats

Women:	Required	Designed
Water Closets	1 per 200 = 4	6
Lavatories	1 per facility	2
Men:		
Water Closets	1 per 600 = 2	2
Urinals	1 per 200 = 4	4
Lavatories	1 per facility	2

Kitchen: (Designed fixture count from Toilet 1009H)
248 CMR Section 10.10(18) paragraph (h) item 5
...which shall comply with the requirements of of 248 CMR 10.10(18) paragraph (i) items 1-5.
248 CMR Section 10.10(18) paragraph (i) item 3
Unisex toilet facilities may be allowed if they meet the requirements of 248 CMR 10.10(18) paragraph (m)

Unisex	Required	Designed
Water Closets	1	2
Lavatories	1	2
Shower	None	None

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BEVERLY MIDDLE SCHOOL

CABOT STREET
BEVERLY, MA 01915

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FIRE SAFETY PLAN LEGEND:

EGRESS WIDTH (DOOR):
370 | 56 | 72
EGRESS WIDTH (INCHES) PROVIDED
EGRESS WIDTH (INCHES) REQUIRED
NUMBER OF PERSONS EXITING

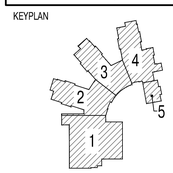
EGRESS WIDTH (STAIR):
370 | 74 | 76
EGRESS WIDTH (INCHES) PROVIDED
EGRESS WIDTH (INCHES) REQUIRED
NUMBER OF PERSONS EXITING

40 OCCUPANT LOAD
FVC FIRE VALVE OR HOSE CABINET WITH EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FE WALL MOUNTED FIRE EXTINGUISHER
A ACCESSORY SPACE
192 TRAVEL DISTANCE IN FEET
3 HOUR FIRE WALL ASSEMBLY
2 HOUR SHAFT WALL
2 HOUR FIRE BARRIER ASSEMBLY
PRIMARY EXIT
SECONDARY EXIT
1-HOUR FIRE RATING AT UNDERSIDE OF ROOF DECK & STRUCTURE (UL DESIGN NO. P723)
2-HOUR FIRE RATED HORIZONTAL ASSEMBLY (UL DESIGN NO. U415-SYSTEM B)

GENERAL NOTES:
1. PROVIDE 2-A MINIMUM RATING SINGLE EXTINGUISHER THROUGHOUT - PER NFPA-10 c 2007
2. PROVIDE 20-B MINIMUM EXTINGUISHER RATING (ORDINARY HAZARD) PER NFPA-10 c 2007 AT THE FOLLOWING LOCATIONS:
- KITCHEN
- MECHANICAL
- ELEVATOR EQUIPMENT ROOMS
- STUDENT DINING
- CO-OP/LIFE SKILLS CLASSROOM
- CUSTODIAN RECEIVING AND SUPPLY
- CUSTODIAN WORK/STORAGE
3. PROVIDE FIRE RATED DOORS AND GLAZING IN WALLS DENOTED AS 1 AND 2 HOUR FIRE BARRIER ASSEMBLY ON PLANS G0.02 TO G0.05
4. FLOOR ASSEMBLY TO BE 1-HOUR FIRE RATED (UL DESIGN NO. XXXX)

NORTH ARROW

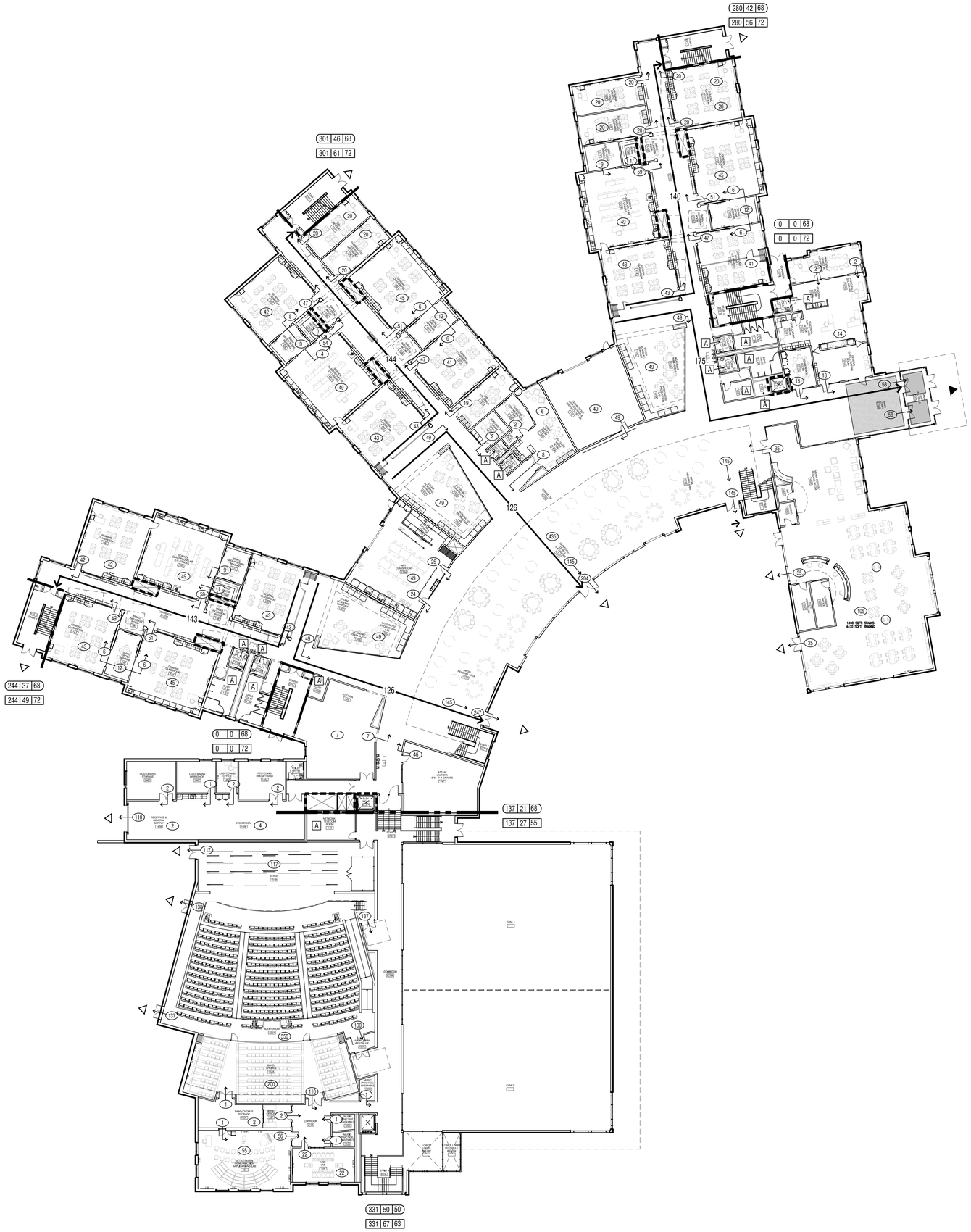
KEYPLAN



DRAWING NAME:

CODE ANALYSIS

DRAWN BY: MB
REVIEWED BY: MB
SCALE: As Noted
JOB NO.: 1403.00
DATE: Aug 6, 2015
DRAWING NUMBER: G0.01



1 FIRST FLOOR FIRE SAFETY PLAN
1" = 20'-0"

FIRST FLOOR FIRE SAFETY ANALYSIS:

Chapter 7: Smoke and Fire Protection Features
Section 713 Shaft Enclosures
713.1 General.
The provisions of this section shall apply to shafts required to protect openings and penetrations through floor/ceiling and roof/ceiling assemblies. Interior exit stairways and ramps shall be enclosed in accordance with Section 1023.
713.11 Enclosure at the bottom.
Shafts that do not extend to the bottom of the building or structure shall comply with one of the following:

1. They shall be enclosed at the lowest level with construction of the same *fire-resistance rating* as the lowest floor through which the shaft passes, but not less than the rating required for the shaft enclosure.
2. They shall terminate in a room having a use related to the purpose of the shaft. The room shall be separated from the remainder of the building by *fire barriers* constructed in accordance with Section 707 or *horizontal assemblies* constructed in accordance with Section711, or both. The *fire-resistance rating* and opening protectives shall be not less than the protection required for the shaft enclosure.
3. They shall be protected by *approved firedampers* installed in accordance with their listing at the lowest floor level within the shaft enclosure.

Exceptions:

1. The fire-resistance-rated room separation is not required, provided there are no openings in or penetrations of the shaft enclosure to the interior of the building except at the bottom. The bottom of the shaft shall be closed off around the penetrating items with materials permitted by Section 718.3.1 for draftstopping, or the room shall be provided with an *approved automatic sprinkler system*.
2. A shaft enclosure containing a waste or linen chute shall not be used for any other purpose and shall discharge in a room protected in accordance with Section 713.13.4.
3. The fire-resistance-rated room separation and the protection at the bottom of the shaft are not required provided there are no combustibles in the shaft and there are no openings or other penetrations through the shaft enclosure to the interior of the building.

713.12 Enclosure at top.
A shaft enclosure that does not extend to the underside of the roof sheathing, deck or slab of the building shall be enclosed at the top with construction of the same *fire-resistance rating* as the topmost floor penetrated by the shaft, but not less than the *fire-resistance rating* required for the shaft enclosure.

Chapter 10: Means of Egress
Section 1002 Definitions
Floor Area, Net: The actual occupied area not including unoccupied accessory areas such as corridors, stairways, ramps, toilet rooms, mechanical rooms, and closets.
Common path of egress travel: That portion of the exit access travel distance measured from the most remote point within a story to that point where the occupants have separate access to two exits or exit access doorways.

Section 1005 Means of Egress Sizing
1005.3.1 Stairways.
Exceptions:
1. For other than Group H and I-2 occupancies, the capacity, in inches, of means of egress stairways shall be calculated by multiplying the occupant load served by such stairways by a means of egress capacity factor of 0.2 inch (5.1 mm) per occupant in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.

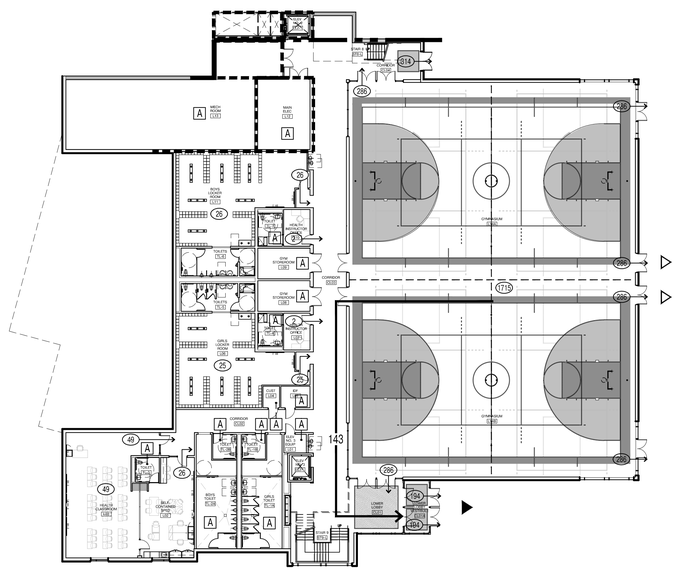
1005.3.2 Other egress components.
Exceptions:
1. For other than Group H and I-2 occupancies, the capacity, in inches, of *means of egress* components other than *stairways* shall be calculated by multiplying the *occupant load* served by such component by a *means of egress* capacity factor of 0.15 inch (3.8 mm) per occupant in buildings equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an *emergency voice/alarm communication system* in accordance with Section 907.5.2.2.

Required Egress Width:
Refer to Sheet G0.02
Designed Egress Width:
Refer to Sheet G0.02

* 33" egress width used for 36" door

Section 1006 Number of Exits and Exit Access Doorways
Table 1006.2.1 - The common path of egress travel is limited to 75 feet in Group A and E.

Section 1017 Exit Access Travel Distance
1017.2 Limitations.
Table 1017.2 - Exit access Travel distance (a) Occupancy use Group A & E - Required Exit access travel distance with sprinkler system 250 feet (b) .



1 LOWER LEVEL FIRE SAFETY PLAN
1" = 20'-0"

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FIRE SAFETY PLAN LEGEND:

EGRESS WIDTH (DOOR):
370 | 56 | 72
- 72 — EGRESS WIDTH (INCHES) PROVIDED
- 56 — EGRESS WIDTH (INCHES) REQUIRED
- 370 — NUMBER OF PERSONS EXITING

EGRESS WIDTH (STAIR):
370 | 74 | 76
- 76 — EGRESS WIDTH (INCHES) PROVIDED
- 74 — EGRESS WIDTH (INCHES) REQUIRED
- 370 — NUMBER OF PERSONS EXITING

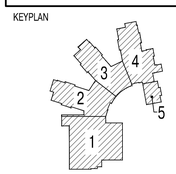
40	OCCUPANT LOAD
FVC	FIRE VALVE OR HOSE CABINET WITH EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FE	WALL MOUNTED FIRE EXTINGUISHER
A	ACCESSORY SPACE
192	TRAVEL DISTANCE IN FEET
	3 HOUR FIRE WALL ASSEMBLY
	2 HOUR SHAFT WALL
	2 HOUR FIRE BARRIER ASSEMBLY
▼	PRIMARY EXIT
▽	SECONDARY EXIT
	1-HOUR FIRE RATING AT UNDERSIDE OF ROOF DECK & STRUCTURE (UL DESIGN NO. P723)
	2-HOUR FIRE RATED HORIZONTAL ASSEMBLY (UL DESIGN NO. U415-SYSTEM B)

GENERAL NOTES:

1. PROVIDE 2-A MINIMUM RATING SINGLE EXTINGUISHER THROUGHOUT - PER NFPA-10 c 2007
2. PROVIDE 20-B MINIMUM EXTINGUISHER RATING (ORDINARY HAZARD) PER NFPA-10 c 2007 AT THE FOLLOWING LOCATIONS:
   - KITCHEN
   - MECHANICAL
   - ELEVATOR EQUIPMENT ROOMS
   - STUDENT DINING
   - CO-OP/LIFE SKILLS CLASSROOM
   - CUSTODIAN RECEIVING AND SUPPLY
   - CUSTODIAN WORK/STORAGE
3. PROVIDE FIRE RATED DOORS AND GLAZING IN WALLS DENOTED AS 1 AND 2 HOUR FIRE BARRIER ASSEMBLY ON PLANS G0.02 TO G0.05
4. FLOOR ASSEMBLY TO BE 1-HOUR FIRE RATED (UL DESIGN NO. XXXX)

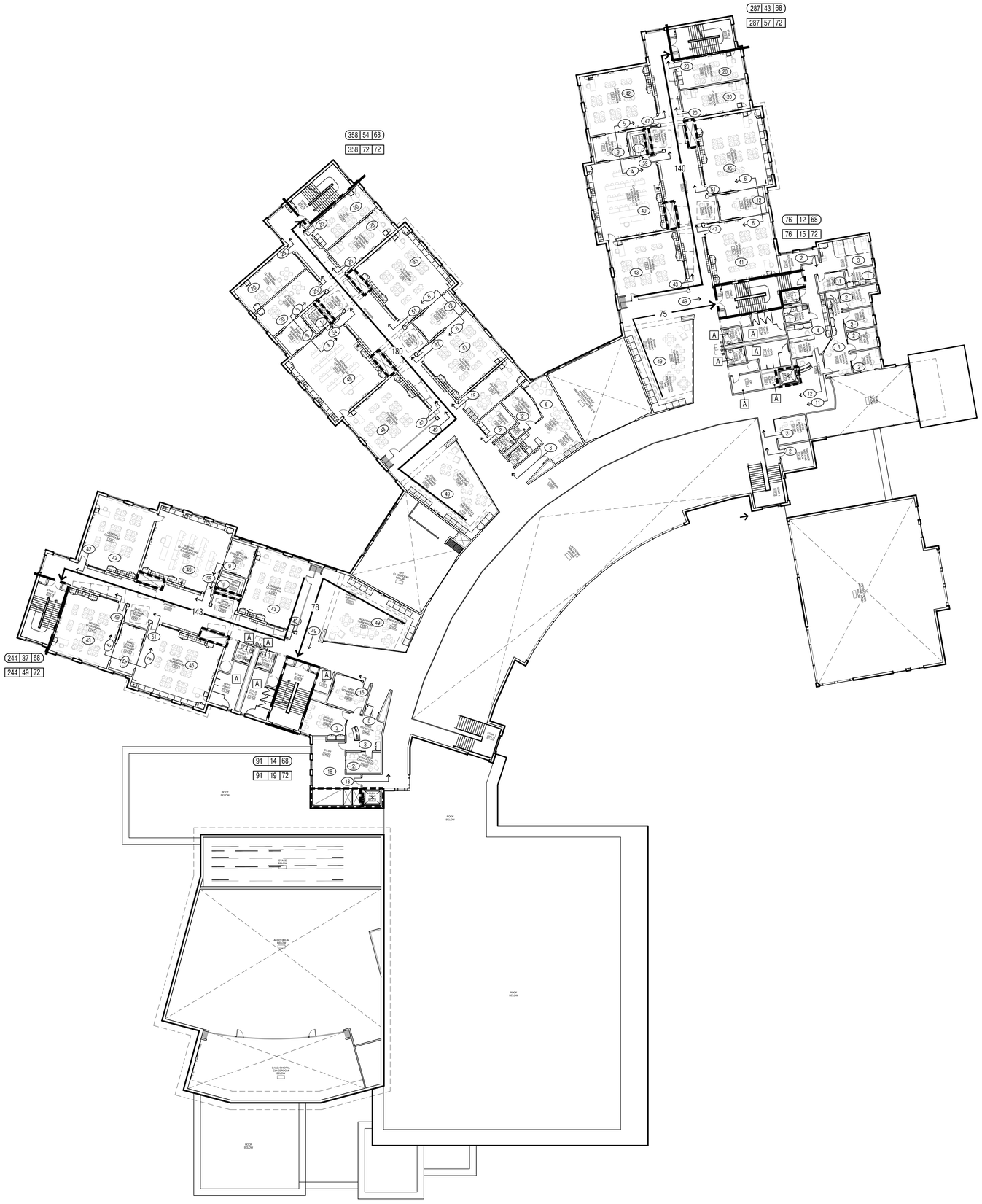
NORTH ARROW

KEYPLAN



DRAWING NAME:
FIRST FLOOR FIRE SAFETY PLAN

DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	G0.02



1 SECOND FLOOR FIRE SAFETY PLAN
1" = 20'-0"

SECOND FLOOR FIRE SAFETY ANALYSIS:

Chapter 7: Smoke and Fire Protection Features
Section 713 Shaft Enclosures
713.1 General.
The provisions of this section shall apply to shafts required to protect openings and penetrations through floor/ceiling and roof/ceiling assemblies. Interior exit stairways and ramps shall be enclosed in accordance with Section 1023.
713.11 Enclosure at the bottom.
Shafts that do not extend to the bottom of the building or structure shall comply with one of the following:

1. They shall be enclosed at the lowest level with construction of the same *fire-resistance rating* as the lowest floor through which the shaft passes, but not less than the rating required for the shaft enclosure.
2. They shall terminate in a room having a use related to the purpose of the shaft. The room shall be separated from the remainder of the building by *fire barriers* constructed in accordance with Section 707 or *horizontal assemblies* constructed in accordance with Section711, or both. The *fire-resistance rating* and opening protectives shall be not less than the protection required for the shaft enclosure.
3. They shall be protected by *approved firedampers* installed in accordance with their listing at the lowest floor level within the shaft enclosure.

Exceptions:

1. The fire-resistance-rated room separation is not required, provided there are no openings in or penetrations of the shaft enclosure to the interior of the building except at the bottom. The bottom of the shaft shall be closed off around the penetrating items with materials permitted by Section 718.3.1 for draftstopping, or the room shall be provided with an *approved automatic sprinkler system*.
2. A shaft enclosure containing a waste or linen chute shall not be used for any other purpose and shall discharge in a room protected in accordance with Section 713.13.4.
3. The fire-resistance-rated room separation and the protection at the bottom of the shaft are not required provided there are no combustibles in the shaft and there are no openings or other penetrations through the shaft enclosure to the interior of the building.

713.12 Enclosure at top.
A shaft enclosure that does not extend to the underside of the roof sheathing, deck or slab of the building shall be enclosed at the top with construction of the same *fire-resistance rating* as the topmost floor penetrated by the shaft, but not less than the *fire-resistance rating* required for the shaft enclosure.

Chapter 10: Means of Egress
Section 1002 Definitions
Floor Area, Net: The actual occupied area not including unoccupied accessory areas such as corridors, stairways, ramps, toilet rooms, mechanical rooms, and closets.
Common path of egress travel: That portion of the exit access travel distance measured from the most remote point within a story to that point where the occupants have separate access to two exits or exit access doorways.

Section 1005 Means of Egress Sizing
1005.3.1 Stairways.
Exceptions:
1. For other than Group H and I-2 occupancies, the capacity, in inches, of means of egress stairways shall be calculated by multiplying the occupant load served by such stairways by a means of egress capacity factor of 0.2 inch (5.1 mm) per occupant in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.

1005.3.2 Other egress components.
Exceptions:
1. For other than Group H and I-2 occupancies, the capacity, in inches, of *means of egress* components other than *stairways* shall be calculated by multiplying the *occupant load* served by such component by a *means of egress* capacity factor of 0.15 inch (3.8 mm) per occupant in buildings equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an *emergency voice/alarm communication system* in accordance with Section 907.5.2.2.

Required Egress Width:
Refer to Sheet G0.03
Designed Egress Width:
Refer to Sheet G0.03

* 33" egress width use d for 36" door

Section 1006 Number of Exits and Exit Access Doorways
Table 1006.2.1 - The common path of egress travel is limited to 75 feet in Group A and E.

Section 1017 Exit Access Travel Distance
1017.2 Limitations.
Table 1017.2. - Exit access Travel distance (a) Occupancy use Group A & E - Required Exit access travel distance with sprinkler system 250 feet (b) .

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FIRE SAFETY PLAN LEGEND:

EGRESS WIDTH (DOOR):
370 | 56 | 72
- EGRESS WIDTH (INCHES) PROVIDED
- EGRESS WIDTH (INCHES) REQUIRED
- NUMBER OF PERSONS EXITING

EGRESS WIDTH (STAIR):
370 | 74 | 76
- EGRESS WIDTH (INCHES) PROVIDED
- EGRESS WIDTH (INCHES) REQUIRED
- NUMBER OF PERSONS EXITING

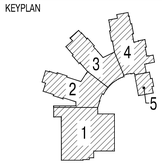
40 OCCUPANT LOAD
FVC FIRE VALVE OR HOSE CABINET WITH EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FE WALL MOUNTED FIRE EXTINGUISHER
A ACCESSORY SPACE
192 TRAVEL DISTANCE IN FEET
3 HOUR FIRE WALL ASSEMBLY
2 HOUR SHAFT WALL
2 HOUR FIRE BARRIER ASSEMBLY
PRIMARY EXIT
SECONDARY EXIT
1-HOUR FIRE RATING AT UNDERSIDE OF ROOF DECK & STRUCTURE (UL DESIGN NO. P723)
2-HOUR FIRE RATED HORIZONTAL ASSEMBLY (UL DESIGN NO. U415-SYSTEM B)

GENERAL NOTES:

1. PROVIDE 2-A MINIMUM RATING SINGLE EXTINGUISHER THROUGHOUT - PER NFPA-10 c 2007
2. PROVIDE 20-B MINIMUM EXTINGUISHER RATING (ORDINARY HAZARD) PER NFPA-10 c 2007 AT THE FOLLOWING LOCATIONS:
   - KITCHEN
   - MECHANICAL
   - ELEVATOR EQUIPMENT ROOMS
   - STUDENT DINING
   - CO-OP/LIFE SKILLS CLASSROOM
   - CUSTODIAN RECEIVING AND SUPPLY
   - CUSTODIAN WORK/STORAGE
3. PROVIDE FIRE RATED DOORS AND GLAZING IN WALLS DENOTED AS 1 AND 2 HOUR FIRE BARRIER ASSEMBLY ON PLANS G0.02 TO G0.05
4. FLOOR ASSEMBLY TO BE 1-HOUR FIRE RATED (UL DESIGN NO. XXXX)

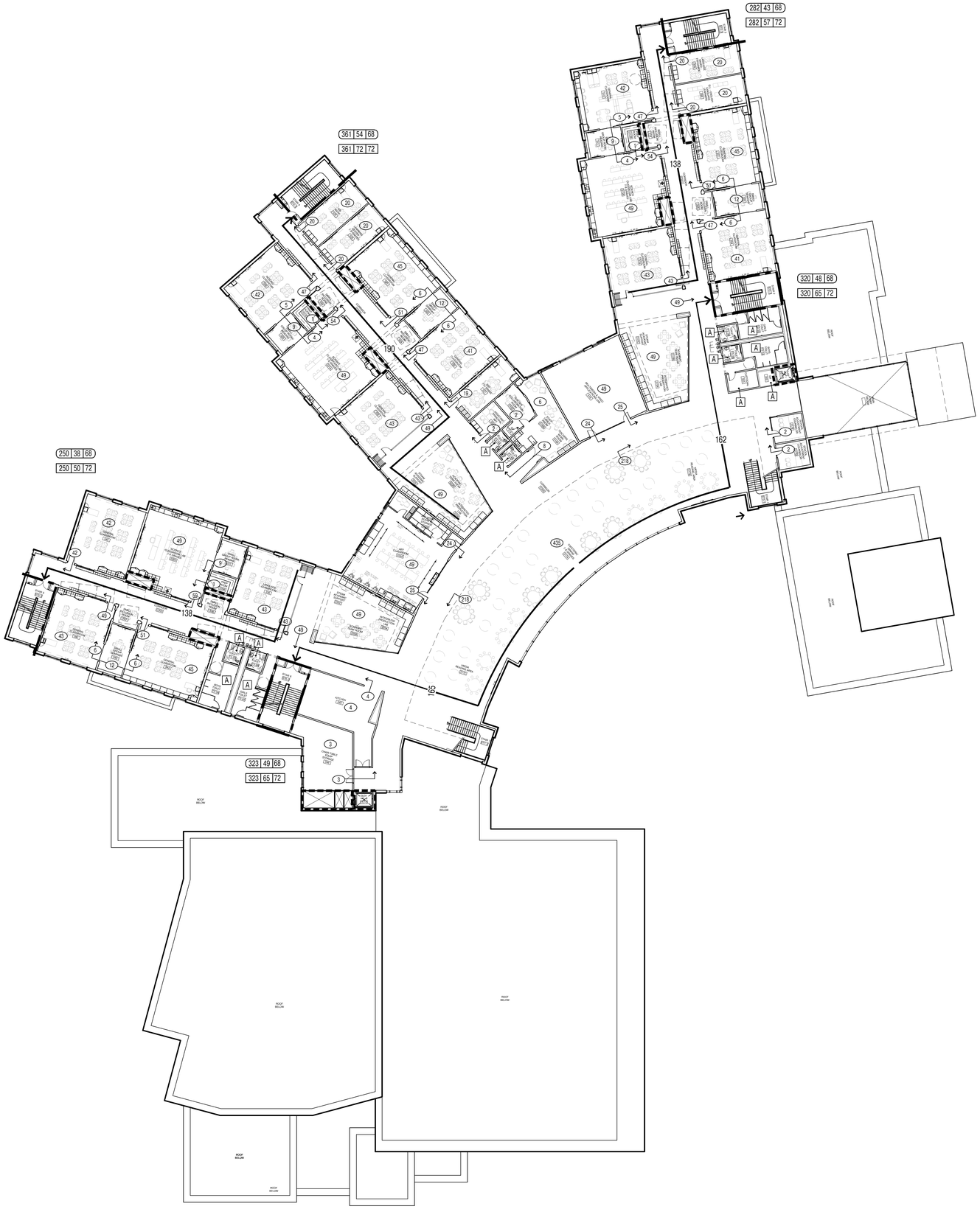
NORTH ARROW

KEYPLAN



DRAWING NAME:
SECOND FLOOR FIRE SAFETY PLAN

DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	G0.03



1 THIRD FLOOR FIRE SAFETY PLAN
1" = 20'-0"

THIRD FLOOR FIRE SAFETY ANALYSIS:

Chapter 7: Smoke and Fire Protection Features
Section 713 Shaft Enclosures
713.1 General.
The provisions of this section shall apply to shafts required to protect openings and penetrations through floor/ceiling and roof/ceiling assemblies. Interior exit stairways and ramps shall be enclosed in accordance with Section 1023.
713.11 Enclosure at the bottom.
Shafts that do not extend to the bottom of the building or structure shall comply with one of the following:

1. They shall be enclosed at the lowest level with construction of the same *fire-resistance rating* as the lowest floor through which the shaft passes, but not less than the rating required for the shaft enclosure.
2. They shall terminate in a room having a use related to the purpose of the shaft. The room shall be separated from the remainder of the building by *fire barriers* constructed in accordance with Section 707 or *horizontal assemblies* constructed in accordance with Section711, or both. The *fire-resistance rating* and opening protectives shall be not less than the protection required for the shaft enclosure.
3. They shall be protected by *approved firedampers* installed in accordance with their listing at the lowest floor level within the shaft enclosure.

Exceptions:

1. The fire-resistance-rated room separation is not required, provided there are no openings in or penetrations of the shaft enclosure to the interior of the building except at the bottom. The bottom of the shaft shall be closed off around the penetrating items with materials permitted by Section 718.3.1 for draftstopping, or the room shall be provided with an *approved automatic sprinkler system*.
2. A shaft enclosure containing a waste or linen chute shall not be used for any other purpose and shall discharge in a room protected in accordance with Section 713.13.4.
3. The fire-resistance-rated room separation and the protection at the bottom of the shaft are not required provided there are no combustibles in the shaft and there are no openings or other penetrations through the shaft enclosure to the interior of the building.

713.12 Enclosure at top.
A shaft enclosure that does not extend to the underside of the roof sheathing, deck or slab of the building shall be enclosed at the top with construction of the same *fire-resistance rating* as the topmost floor penetrated by the shaft, but not less than the *fire-resistance rating* required for the shaft enclosure.

Chapter 10: Means of Egress
Section 1002 Definitions
Floor Area, Net: The actual occupied area not including unoccupied accessory areas such as corridors, stairways, ramps, toilet rooms, mechanical rooms, and closets.
Common path of egress travel: That portion of the exit access travel distance measured from the most remote point within a story to that point where the occupants have separate access to two exits or exit access doorways.

Section 1005 Means of Egress Sizing
1005.3.1 Stairways.
Exceptions:
1. For other than Group H and I-2 occupancies, the capacity, in inches, of means of egress stairways shall be calculated by multiplying the occupant load served by such stairways by a means of egress capacity factor of 0.2 inch (5.1 mm) per occupant in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.

1005.3.2 Other egress components.
Exceptions:
1. For other than Group H and I-2 occupancies, the capacity, in inches, of *means of egress* components other than *stairways* shall be calculated by multiplying the *occupant load* served by such component by a *means of egress* capacity factor of 0.15 inch (3.8 mm) per occupant in buildings equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an *emergency voice/alarm communication system* in accordance with Section 907.5.2.2.

Required Egress Width:
Refer to Sheet G0.04
Designed Egress Width:
Refer to Sheet G0.04

* 33" egress width used for 36" door

Section 1006 Number of Exits and Exit Access Doorways
Table 1006.2.1 - The common path of egress travel is limited to 75 feet in Group A and E.

Section 1017 Exit Access Travel Distance
1017.2 Limitations.
Table 1017.2. - Exit access Travel distance (a) Occupancy use Group A & E - Required Exit access travel distance with sprinkler system 250 feet (b) .

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FIRE SAFETY PLAN LEGEND:

EGRESS WIDTH (DOOR):
370 | 56 | 72
- EGRESS WIDTH (INCHES) PROVIDED
- EGRESS WIDTH (INCHES) REQUIRED
- NUMBER OF PERSONS EXITING

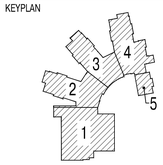
EGRESS WIDTH (STAIR):
370 | 74 | 76
- EGRESS WIDTH (INCHES) PROVIDED
- EGRESS WIDTH (INCHES) REQUIRED
- NUMBER OF PERSONS EXITING

40 OCCUPANT LOAD
FVC FIRE VALVE OR HOSE CABINET WITH EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FE WALL MOUNTED FIRE EXTINGUISHER
A ACCESSORY SPACE
192 TRAVEL DISTANCE IN FEET
3 HOUR FIRE WALL ASSEMBLY
2 HOUR SHAFT WALL
2 HOUR FIRE BARRIER ASSEMBLY
PRIMARY EXIT
SECONDARY EXIT
1-HOUR FIRE RATING AT UNDERSIDE OF ROOF DECK & STRUCTURE (UL DESIGN NO. P723)
2-HOUR FIRE RATED HORIZONTAL ASSEMBLY (UL DESIGN NO. U415-SYSTEM B)

GENERAL NOTES:
1. PROVIDE 2-A MINIMUM RATING SINGLE EXTINGUISHER THROUGHOUT - PER NFPA-10 c 2007
2. PROVIDE 20-B MINIMUM EXTINGUISHER RATING (ORDINARY HAZARD) PER NFPA-10 c 2007 AT THE FOLLOWING LOCATIONS:
   - KITCHEN
   - MECHANICAL
   - ELEVATOR EQUIPMENT ROOMS
   - STUDENT DINING
   - CO-OP/LIFE SKILLS CLASSROOM
   - CUSTODIAN RECEIVING AND SUPPLY
   - CUSTODIAN WORK/STORAGE
3. PROVIDE FIRE RATED DOORS AND GLAZING IN WALLS DENOTED AS 1 AND 2 HOUR FIRE BARRIER ASSEMBLY ON PLANS G0.02 TO G0.05
4. FLOOR ASSEMBLY TO BE 1-HOUR FIRE RATED (UL DESIGN NO. XXXX)

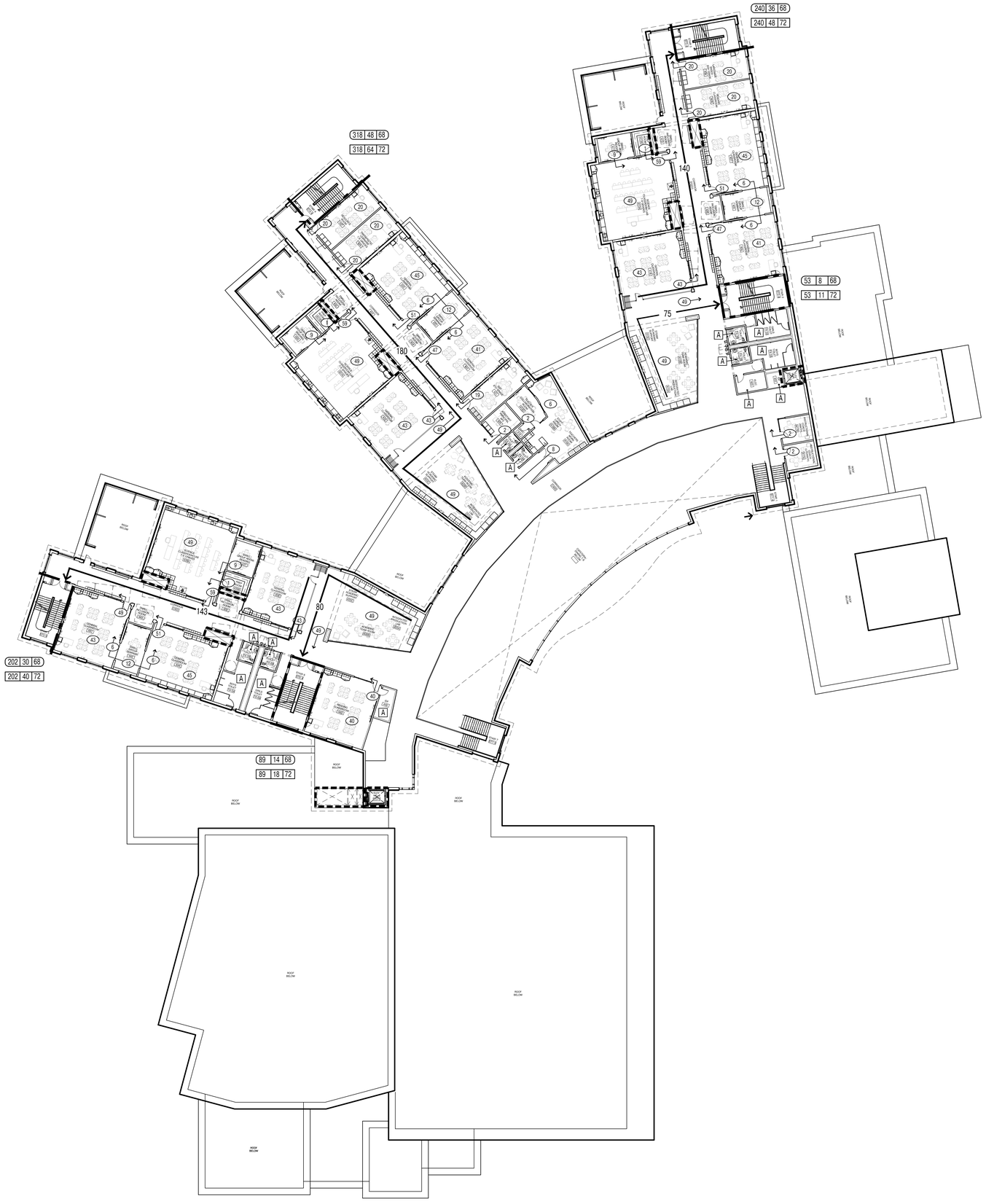
NORTH ARROW

KEYPLAN



DRAWING NAME:
THIRD FLOOR FIRE SAFETY PLAN

DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	G0.04



1 FOURTH FLOOR FIRE SAFETY PLAN
1" = 20'-0"

FORTH FLOOR FIRE SAFETY ANALYSIS:

Chapter 7: Smoke and Fire Protection Features
Section 713 Shaft Enclosures
713.1 General.
The provisions of this section shall apply to shafts required to protect openings and penetrations through floor/ceiling and roof/ceiling assemblies. Interior exit stairways and ramps shall be enclosed in accordance with Section 1023.
713.11 Enclosure at the bottom.
Shafts that do not extend to the bottom of the building or structure shall comply with one of the following:

1. They shall be enclosed at the lowest level with construction of the same *fire-resistance rating* as the lowest floor through which the shaft passes, but not less than the rating required for the shaft enclosure.
2. They shall terminate in a room having a use related to the purpose of the shaft. The room shall be separated from the remainder of the building by *fire barriers* constructed in accordance with Section 707 or *horizontal assemblies* constructed in accordance with Section711, or both. The *fire-resistance rating* and opening protectives shall be not less than the protection required for the shaft enclosure.
3. They shall be protected by *approved firedampers* installed in accordance with their listing at the lowest floor level within the shaft enclosure.

Exceptions:

1. The fire-resistance-rated room separation is not required, provided there are no openings in or penetrations of the shaft enclosure to the interior of the building except at the bottom. The bottom of the shaft shall be closed off around the penetrating items with materials permitted by Section 718.3.1 for draftstopping, or the room shall be provided with an *approved automatic sprinkler system*.
2. A shaft enclosure containing a waste or linen chute shall not be used for any other purpose and shall discharge in a room protected in accordance with Section 713.13.4.
3. The fire-resistance-rated room separation and the protection at the bottom of the shaft are not required provided there are no combustibles in the shaft and there are no openings or other penetrations through the shaft enclosure to the interior of the building.

713.12 Enclosure at top.
A shaft enclosure that does not extend to the underside of the roof sheathing, deck or slab of the building shall be enclosed at the top with construction of the same *fire-resistance rating* as the topmost floor penetrated by the shaft, but not less than the *fire-resistance rating* required for the shaft enclosure.

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Section 1002 Definitions
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Common path of egress travel: That portion of the exit access travel distance measured from the most remote point within a story to that point where the occupants have separate access to two exits or exit access doorways.

Section 1005 Means of Egress Sizing
1005.3.1 Stairways.
Exceptions:
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1005.3.2 Other egress components.
Exceptions:
1. For other than Group H and I-2 occupancies, the capacity, in inches, of *means of egress* components other than *stairways* shall be calculated by multiplying the *occupant load* served by such component by a *means of egress* capacity factor of 0.15 inch (3.8 mm) per occupant in buildings equipped throughout with an *automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an *emergency voice/alarm communication system* in accordance with Section 907.5.2.2.

Required Egress Width:
Refer to Sheet G0.05
Designed Egress Width:
Refer to Sheet G0.05

* 33" egress width used for 36" door

Section 1006 Number of Exits and Exit Access Doorways
Table 1006.2.1 - The common path of egress travel is limited to 75 feet in Group A and E.

Section 1017 Exit Access Travel Distance
1017.2 Limitations.
Table 1017.2. - Exit access Travel distance (a) Occupancy use Group A & E - Required Exit access travel distance with sprinkler system 250 feet (b) .

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FIRE SAFETY PLAN LEGEND:

EGRESS WIDTH (DOOR):
370 | 56 | 72
- EGRESS WIDTH (INCHES) PROVIDED
- EGRESS WIDTH (INCHES) REQUIRED
- NUMBER OF PERSONS EXITING

EGRESS WIDTH (STAIR):
370 | 74 | 76
- EGRESS WIDTH (INCHES) PROVIDED
- EGRESS WIDTH (INCHES) REQUIRED
- NUMBER OF PERSONS EXITING

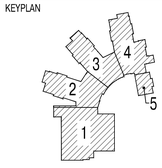
40 OCCUPANT LOAD
FVC FIRE VALVE OR HOSE CABINET WITH EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FE WALL MOUNTED FIRE EXTINGUISHER
A ACCESSORY SPACE
192 TRAVEL DISTANCE IN FEET
3 HOUR FIRE WALL ASSEMBLY
2 HOUR SHAFT WALL
2 HOUR FIRE BARRIER ASSEMBLY
PRIMARY EXIT
SECONDARY EXIT
1-HOUR FIRE RATING AT UNDERSIDE OF ROOF DECK & STRUCTURE (UL DESIGN NO. P723)
2-HOUR FIRE RATED HORIZONTAL ASSEMBLY (UL DESIGN NO. U415-SYSTEM B)

GENERAL NOTES:

1. PROVIDE 2-A MINIMUM RATING SINGLE EXTINGUISHER THROUGHOUT - PER NFPA-10 c 2007
2. PROVIDE 20-B MINIMUM EXTINGUISHER RATING (ORDINARY HAZARD) PER NFPA-10 c 2007 AT THE FOLLOWING LOCATIONS:
   - KITCHEN
   - MECHANICAL
   - ELEVATOR EQUIPMENT ROOMS
   - STUDENT DINING
   - CO-OP/LIFE SKILLS CLASSROOM
   - CUSTODIAN RECEIVING AND SUPPLY
   - CUSTODIAN WORK/STORAGE
3. PROVIDE FIRE RATED DOORS AND GLAZING IN WALLS DENOTED AS 1 AND 2 HOUR FIRE BARRIER ASSEMBLY ON PLANS G0.02 TO G0.05
4. FLOOR ASSEMBLY TO BE 1-HOUR FIRE RATED (UL DESIGN NO. XXXX)

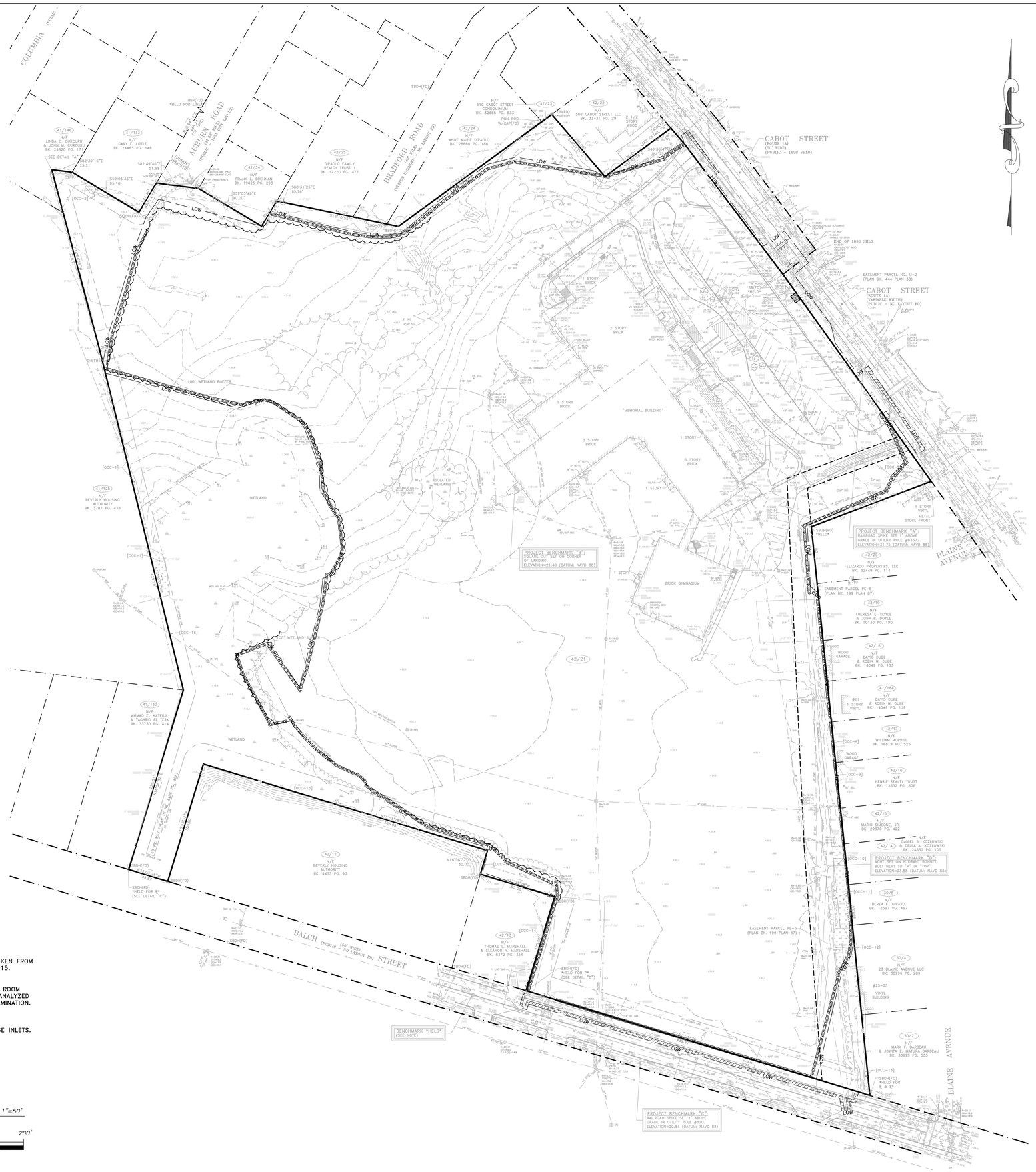
NORTH ARROW

KEYPLAN



DRAWING NAME:
FORTH FLOOR FIRE SAFETY PLAN

DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	G0.05



NOTE:

1. EXISTING CONDITIONS AND PROPERTY INFORMATION TAKEN FROM PLANS PREPARED BY WELCH ASSOCIATES IN JUNE 2015.
2. SOIL AND/OR GROUNDWATER IN THE VICINITY OF THE UNDERGROUND STORAGE TANKS BENEATH THE BOILER ROOM AND THE ELEVATOR PIT SHOULD BE SCREENED AND ANALYZED FOR THE POTENTIAL PRESENCE OF PETROLEUM CONTAMINATION.
3. SEE ELECTRICAL PLANS FOR ELECTRICAL DEMOLITION.
4. PROVIDE INLET PROTECTION AT ALL EXISTING DRAINAGE INLETS.

Graphic Scale 1"=50'

50' 25' 0 50' 100' 200'

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BEVERLY, MA 01915

KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

DRAWING NAME:

OVERALL EXISTING CONDITIONS AND DEMOLITION PLAN

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=50'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C1.0

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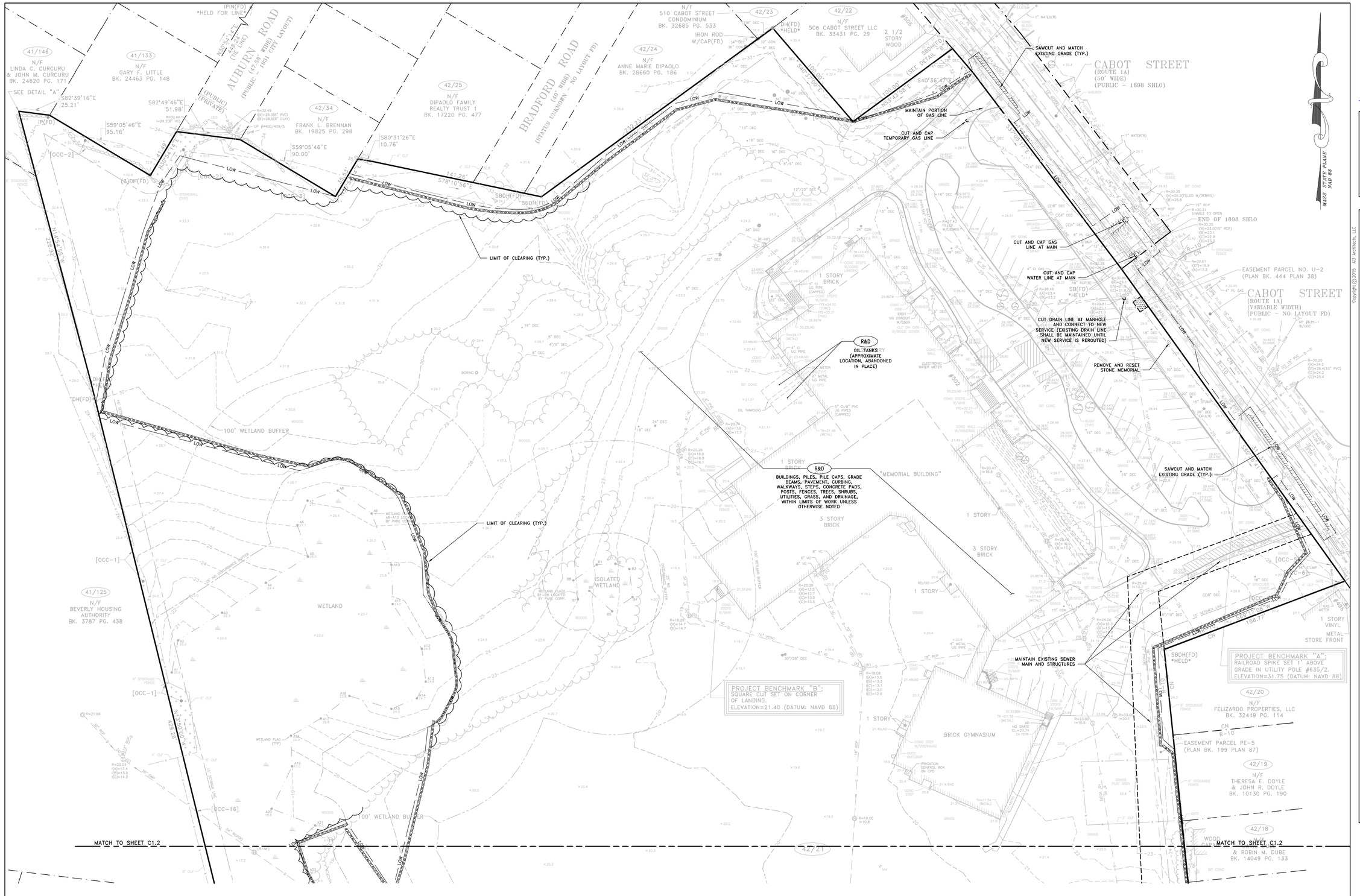
Z:\2001\14 2001\14225.00 Beverly Feasibility and Site\dwg\C1.0-C1.2 Existing Conditions and Demolition.dwg



Graphic Scale 1"=30'

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KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

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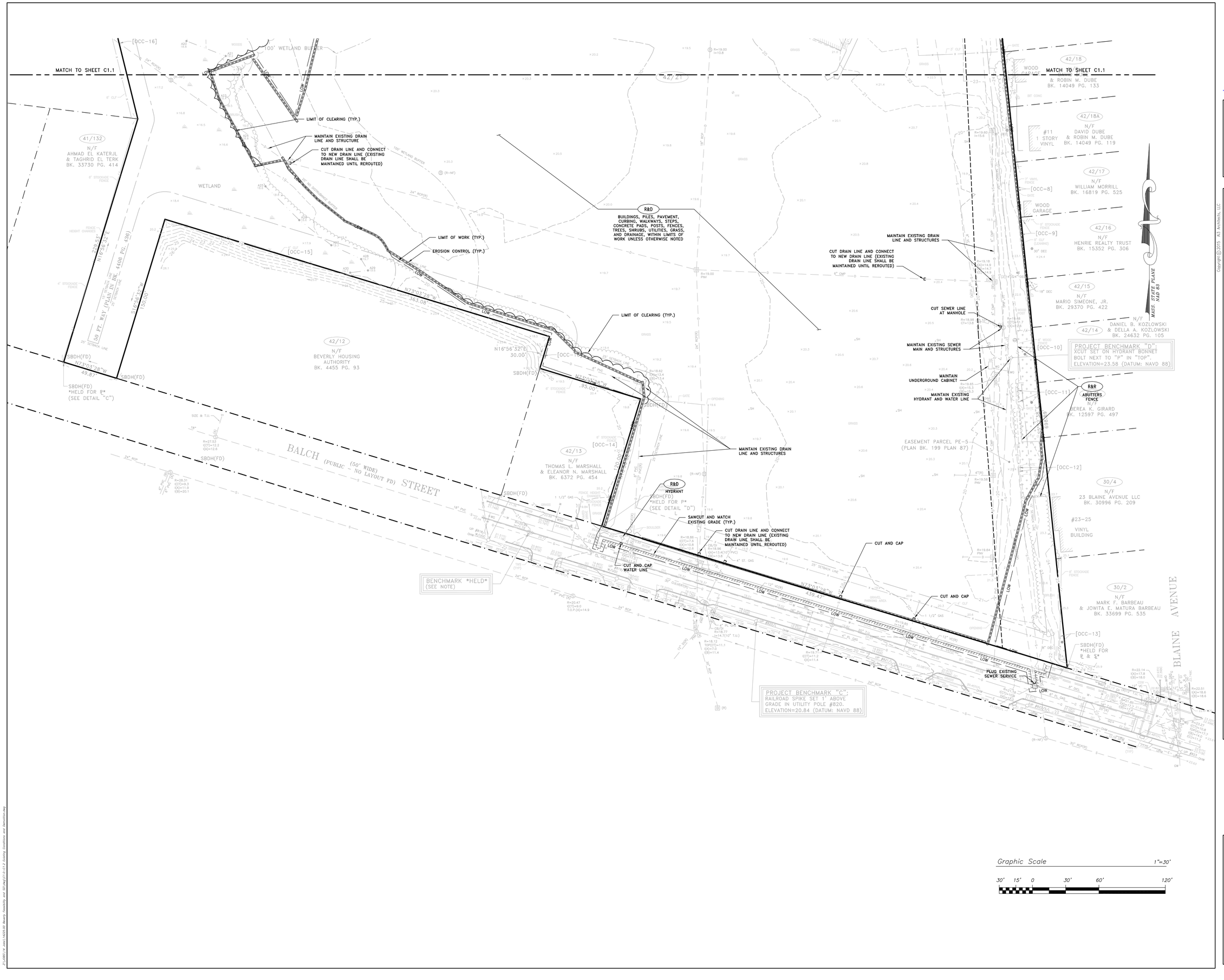
DRAWING NAME:

EXISTING CONDITIONS AND DEMOLITION PLAN 1

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=30'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C1.1



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KEYNOTE LEGEND:

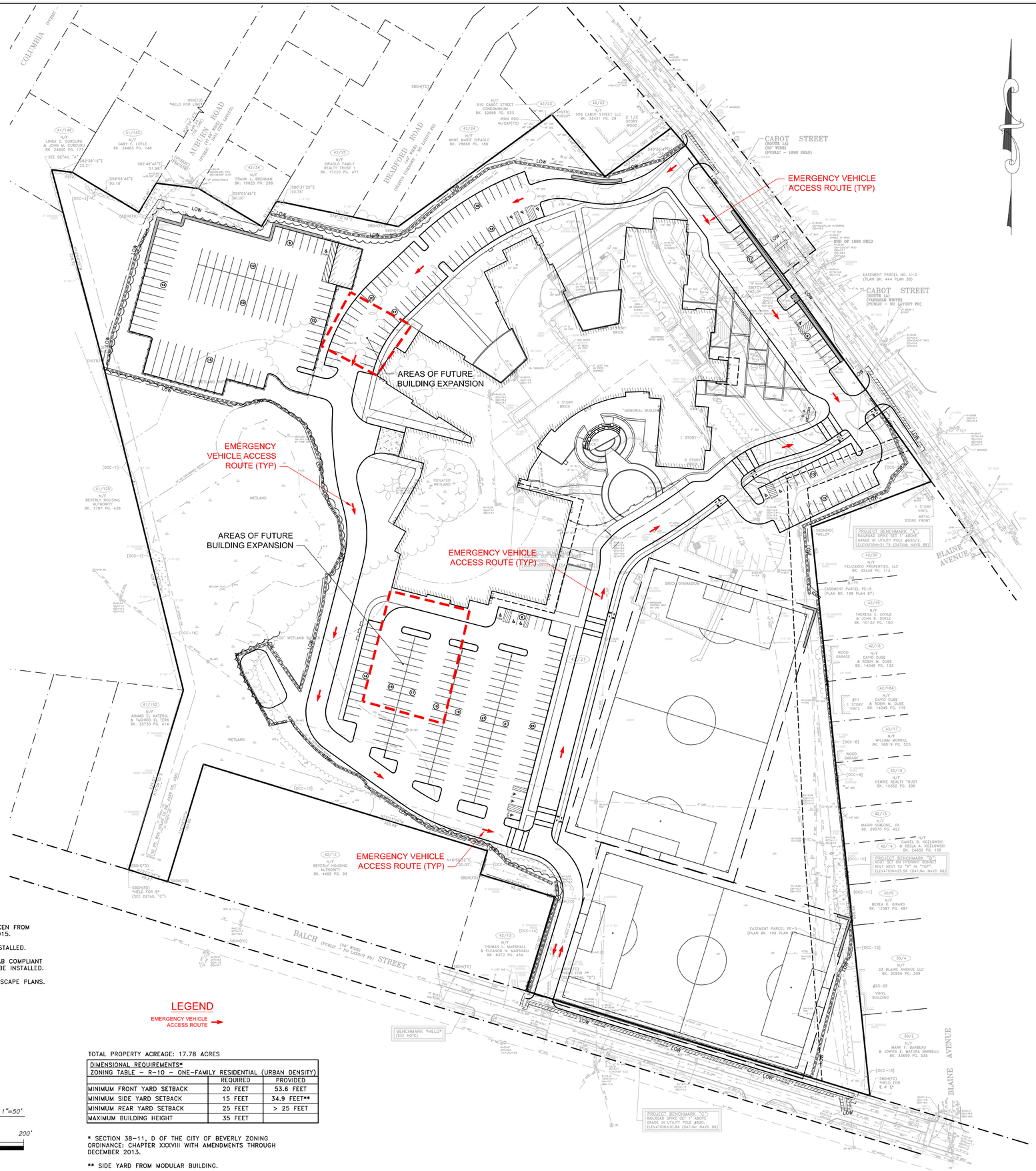
NORTH ARROW

KEYPLAN

DRAWING NAME:

EXISTING CONDITIONS AND DEMOLITION PLAN 2

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=30'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C1.2



NOTES:

1. EXISTING CONDITION AND PROPERTY INFORMATION TAKEN FROM PLANS PREPARED BY WELCH ASSOCIATES IN JUNE 2015.
2. MAINTAIN ALL UTILITIES UNTIL NEW SERVICES ARE INSTALLED.
3. WHERE SIDEWALKS INTERSECT CURB LINES, ADA, MAAB COMPLIANT CURB RAMP WITH DETECTABLE WARNING MAT SHALL BE INSTALLED.
4. FOR ATHLETIC AMENITIES AND SITE FENCE, SEE LANDSCAPE PLANS.
5. TOTAL PARKING SPACES SCHOOL USE: 271.
6. TOTAL PARKING SPACES BUS DEPOT FACILITY: 73.

TOTAL PROPERTY ACREAGE: 17.78 ACRES

DIMENSIONAL REQUIREMENTS*
ZONING TABLE – R-10 – ONE-FAMILY RESIDENTIAL (URBAN DENSITY)

	REQUIRED	PROVIDED
MINIMUM FRONT YARD SETBACK	20 FEET	53.6 FEET
MINIMUM SIDE YARD SETBACK	15 FEET	34.9 FEET**
MINIMUM REAR YARD SETBACK	25 FEET	> 25 FEET
MAXIMUM BUILDING HEIGHT	35 FEET	

* SECTION 38-11, D OF THE CITY OF BEVERLY ZONING ORDINANCE: CHAPTER XXXVIII WITH AMENDMENTS THROUGH DECEMBER 2013.

** SIDE YARD FROM MODULAR BUILDING.

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KEYNOTE LEGEND:

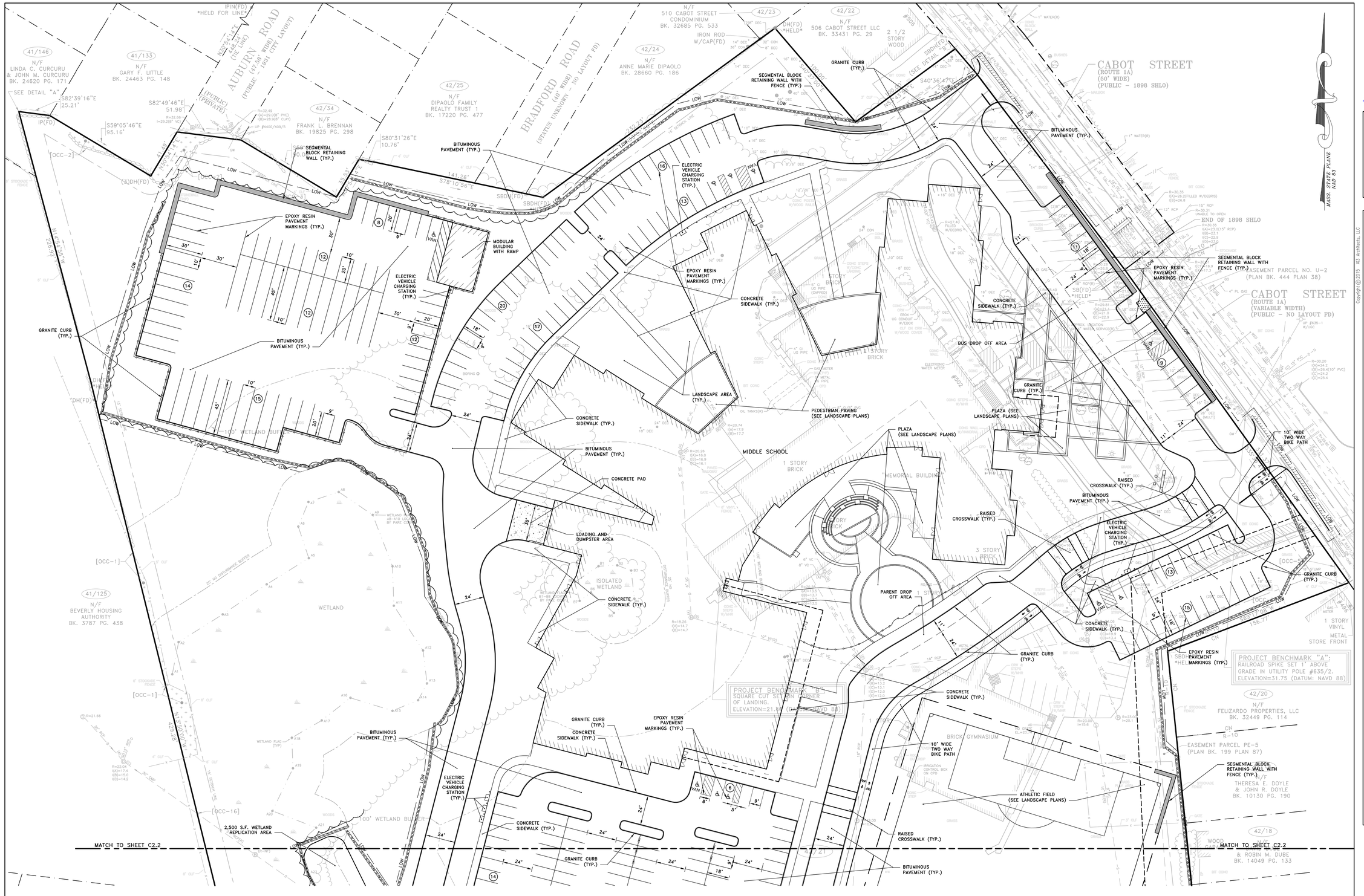
NORTH ARROW

KEYPLAN

DRAWING NAME:

OVERALL SITE IMPROVEMENTS PLAN

DRAWN BY: AWB
REVIEWED BY: MJG
SCALE: 1"=50'
JOB NO.: 14225.00
DATE: Aug. 6, 2015
DRAWING NUMBER: C2.0



Graphic Scale 1"=30'

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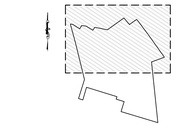
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

SITE IMPROVEMENTS PLAN 1

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=30'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C2.1

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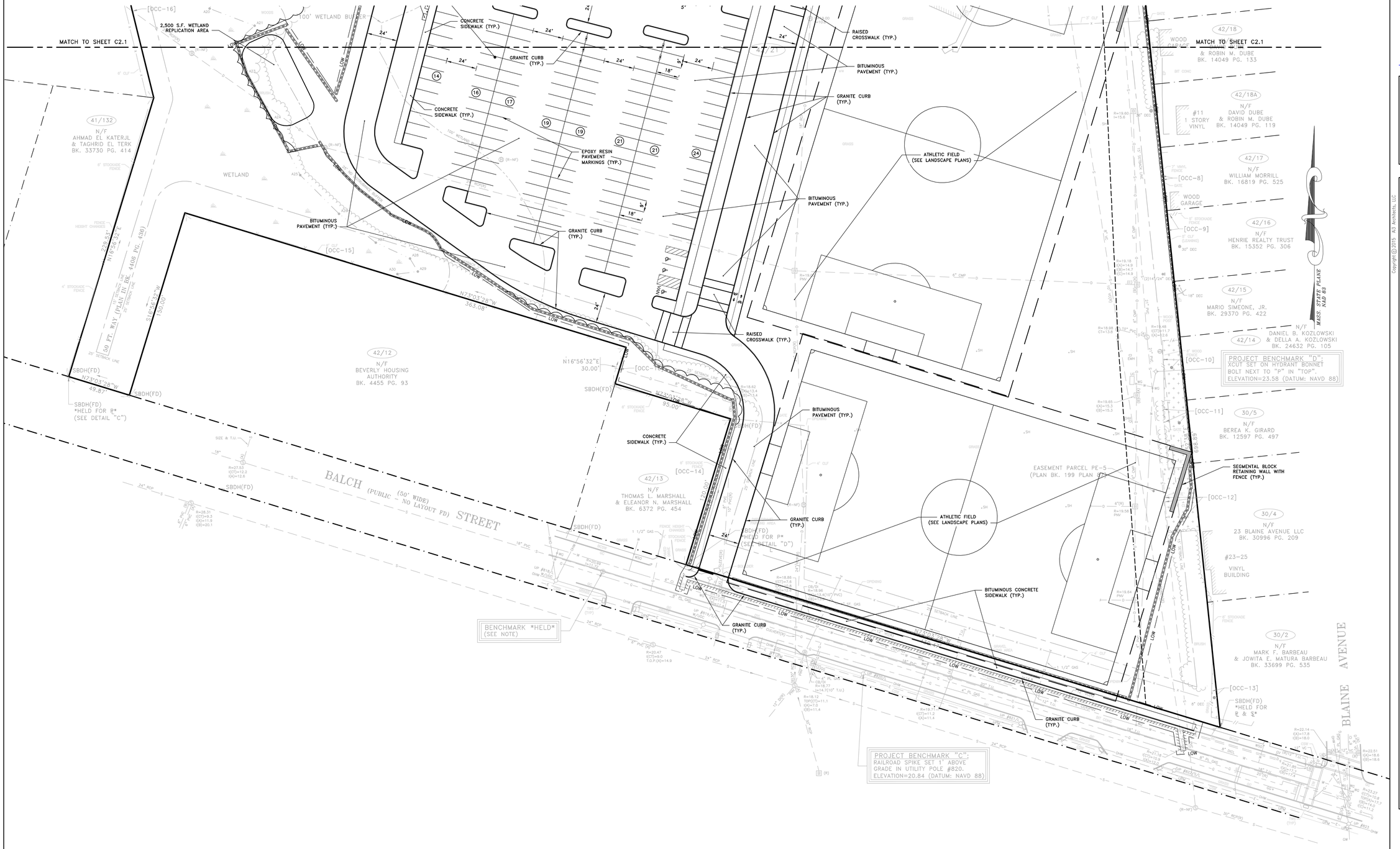

Graphic Scale 1"=30'

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KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

DRAWING NAME:

SITE IMPROVEMENTS PLAN 2

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=30'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C2.2

NOTES:

1. ALL SITE WALKWAYS SHALL HAVE NO MORE THAN A MAXIMUM 5% RUNNING SLOPE AND 2% CROSS SLOPE TO COMPLY WITH ADA AND MAAB REQUIREMENTS (NO TOLERANCE).
2. ACCESSIBLE PARKING SPACES AND ACCESSIBLE AISLES SHALL NOT EXCEED 2% IN ANY DIRECTION (NO TOLERANCE).
3. ALL CURB RAMPS SHALL HAVE A MAXIMUM SLOPE OF 8.3% (NO TOLERANCE).
4. SITE GRADES SHALL CONFORM WITH ADA AND MAAB REQUIREMENTS.
5. ALL TRANSITIONS BETWEEN GROUND COVERING MATERIALS SHALL BE SMOOTH AND MEET 521 CMR 20.10 REQUIREMENTS.
6. STEEP SLOPES GREATER THAN 2:1 SHALL BE REINFORCED WITH RIP-RAP.

Graphic Scale 1"=50'

50' 25' 0 50' 100' 200'

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KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

DRAWING NAME:

OVERALL GRADING PLAN

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=50'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015

DRAWING NUMBER: C3.0

Graphic Scale 1"=30'

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KEYNOTE LEGEND:

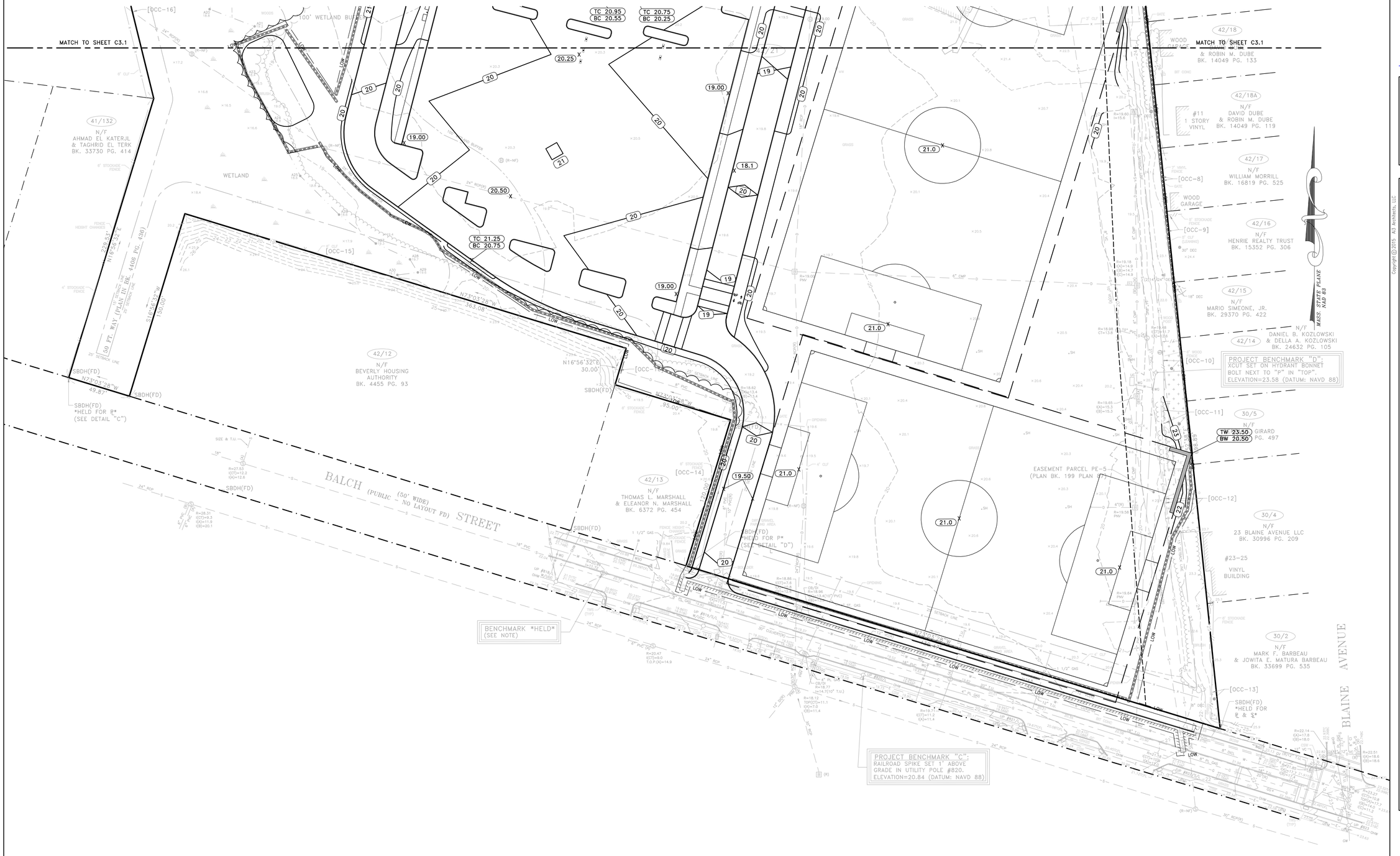
NORTH ARROW

KEYPLAN

DRAWING NAME:

GRADING PLAN 1

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=30'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C3.1



Graphic Scale 1"=30'

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KEYNOTE LEGEND:

NORTH ARROW

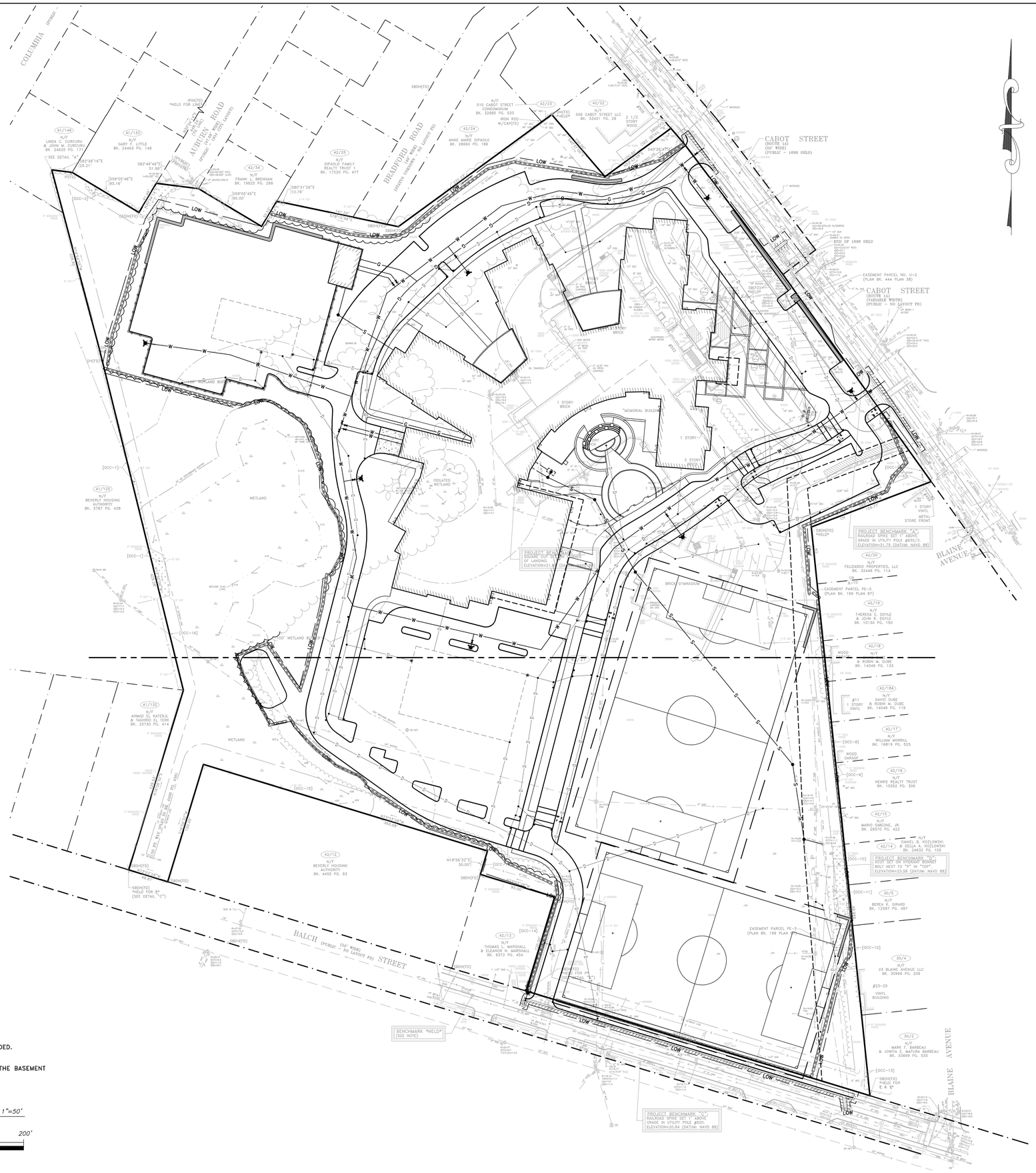
KEYPLAN

DRAWING NAME:

GRADING PLAN 2

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=30'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015

DRAWING NUMBER: C3.2



NOTES:

1. EXTERIOR POST INDICATOR VALVES SHALL BE INCLUDED. (REFER TO MEP PLANS)
2. SEWER PUMP STATION SHALL BE INCLUDED WITHIN THE BASEMENT OF THE BUILDING. (REFER TO MEP PLANS)

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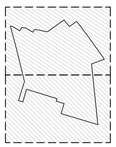
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

OVERALL UTILITY PLAN

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=50'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C4.0

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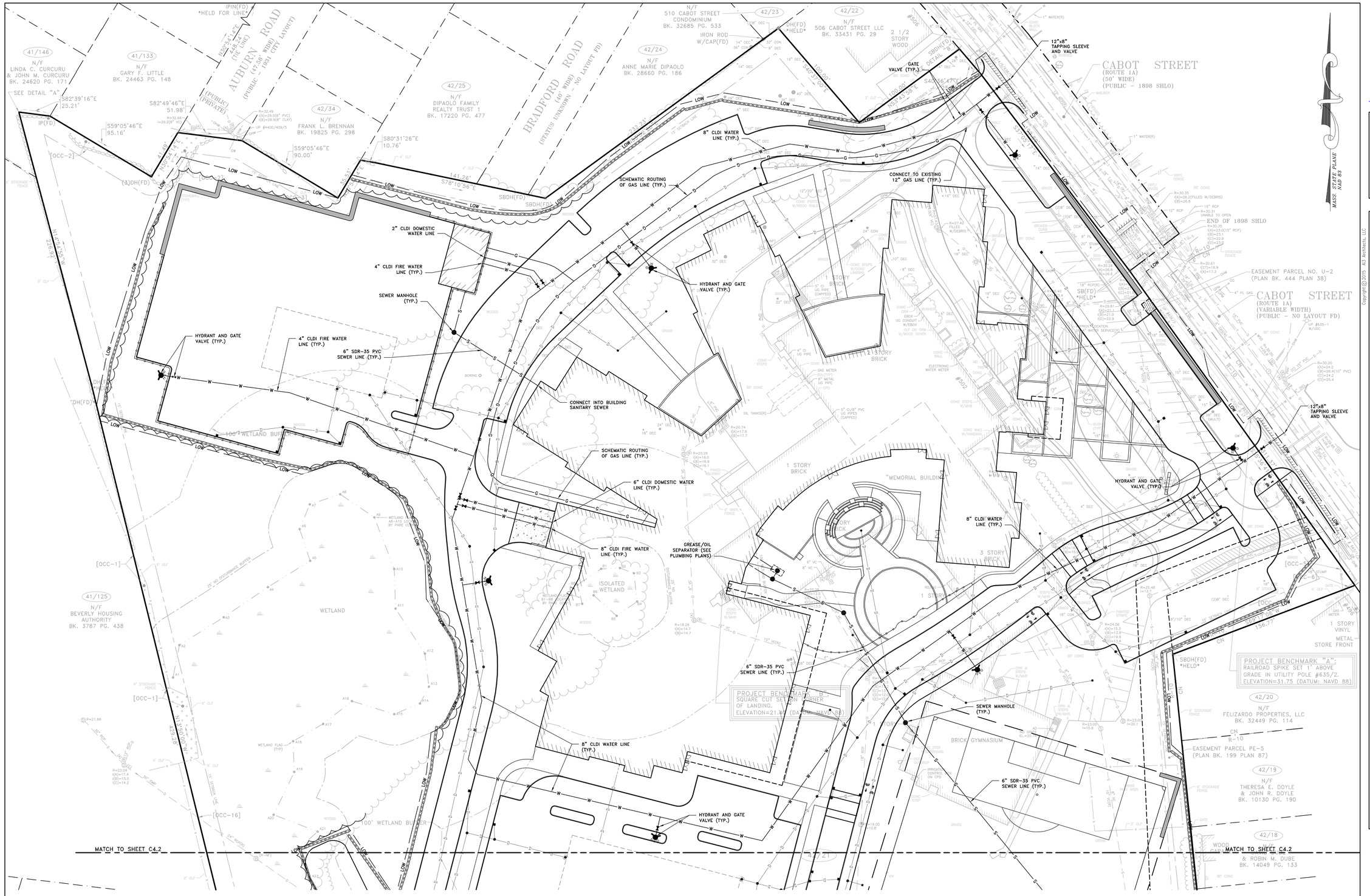

Graphic Scale 1"=30'

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KEYNOTE LEGEND:

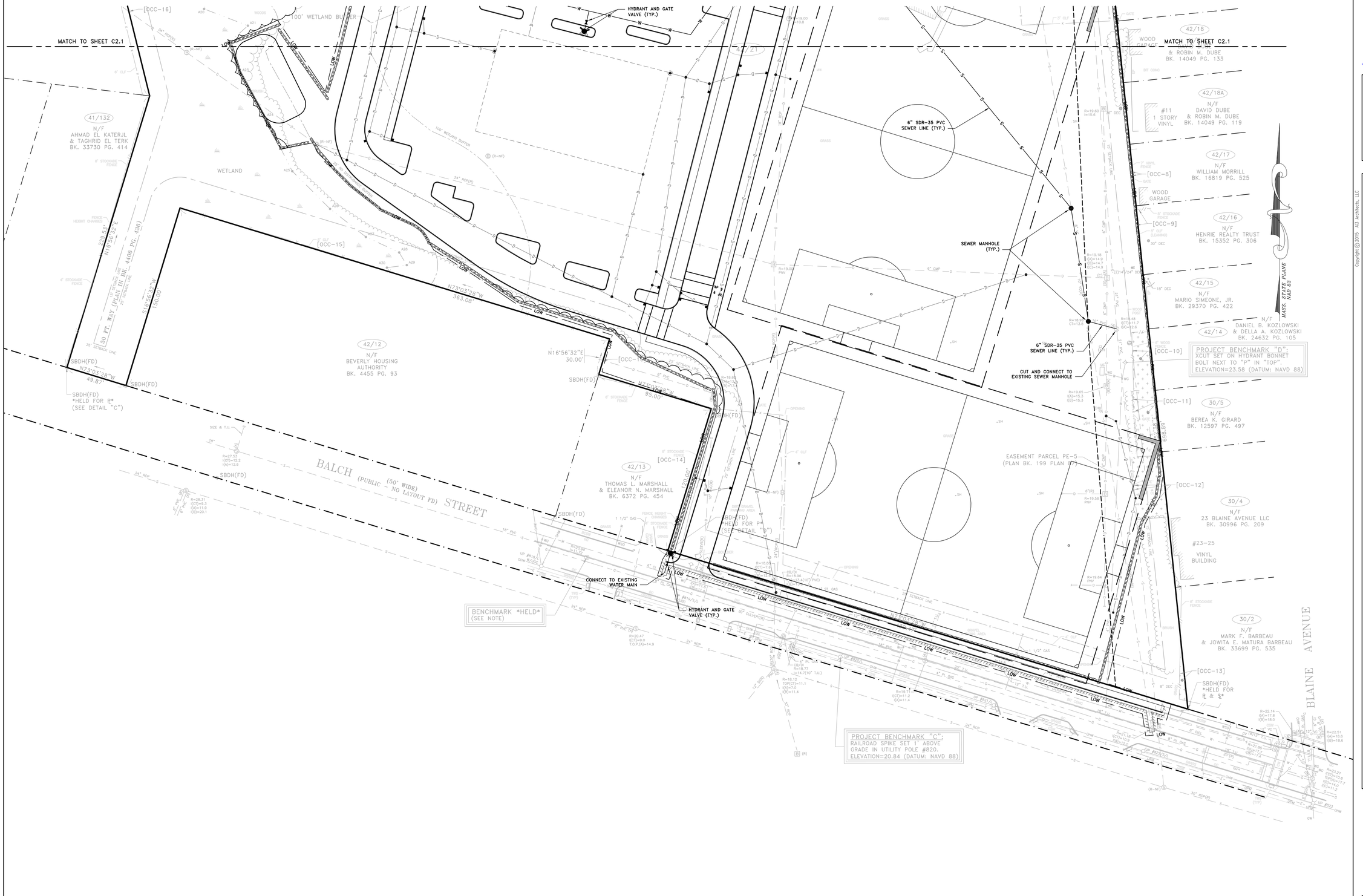
NORTH ARROW

KEYPLAN

DRAWING NAME:

UTILITY PLAN 1

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=30'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C4.1



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KEYNOTE LEGEND:

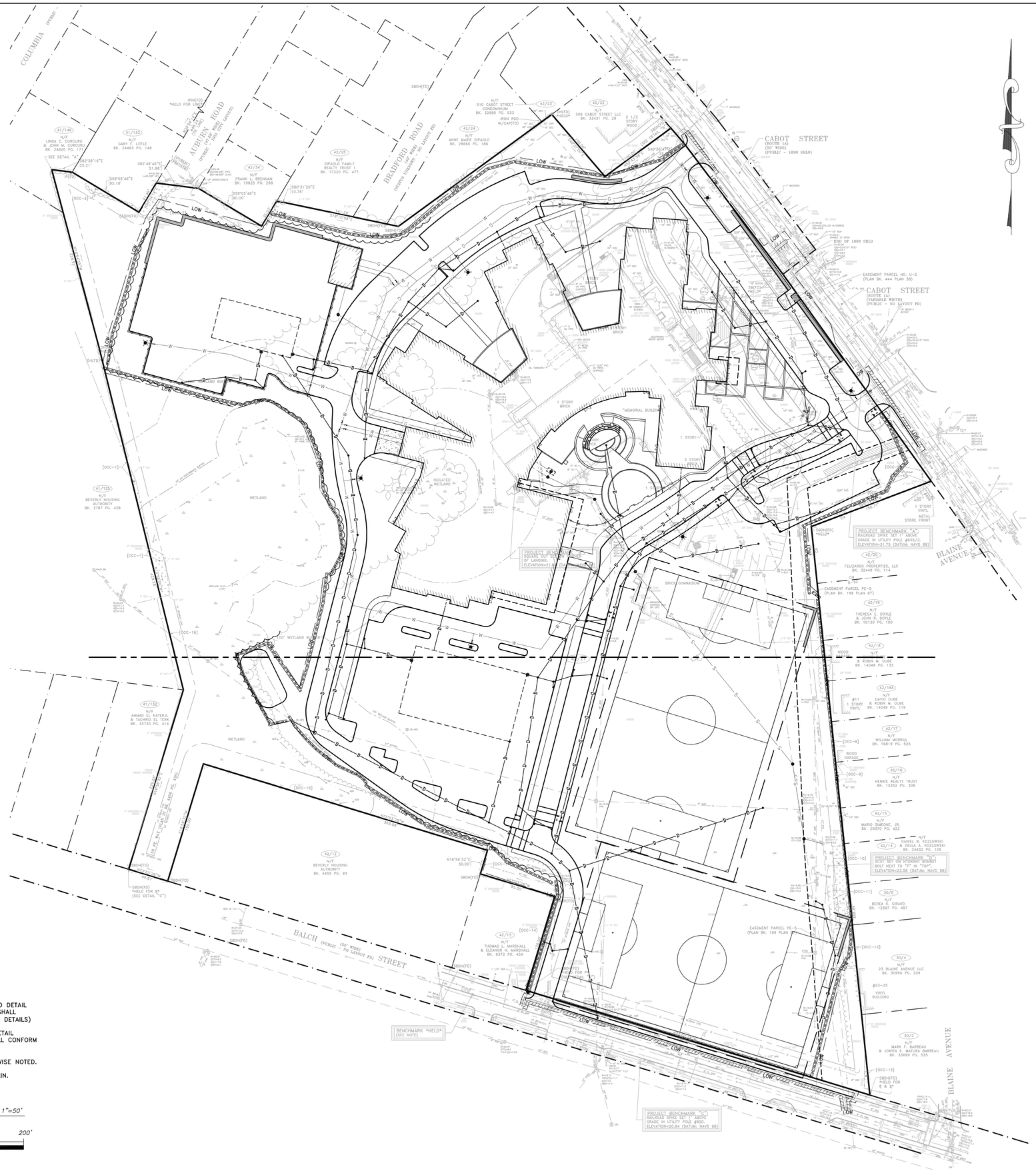
NORTH ARROW

KEYPLAN

DRAWING NAME:

UTILITY PLAN 2

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=30'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C4.2



NOTE:

1. ALL CATCH BASINS SHALL CONFORM TO MHD STANDARD DETAIL 201.4.0 AND ALL CATCH BASIN FRAMES AND GRATES SHALL CONFORM TO 201.6.0 UNLESS OTHERWISE NOTED. (SEE DETAILS)
2. ALL MANHOLES SHALL CONFORM TO MHD STANDARD DETAIL 202.4.0 AND ALL MANHOLE FRAMES AND COVERS SHALL CONFORM TO 202.6.0 UNLESS OTHERWISE NOTED. (SEE DETAILS)
3. ALL DRAIN LINES SHALL BE 12" HDPE UNLESS OTHERWISE NOTED.
4. ADJUST TO GRADE ALL EXISTING STRUCTURES TO REMAIN.

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KEYNOTE LEGEND:

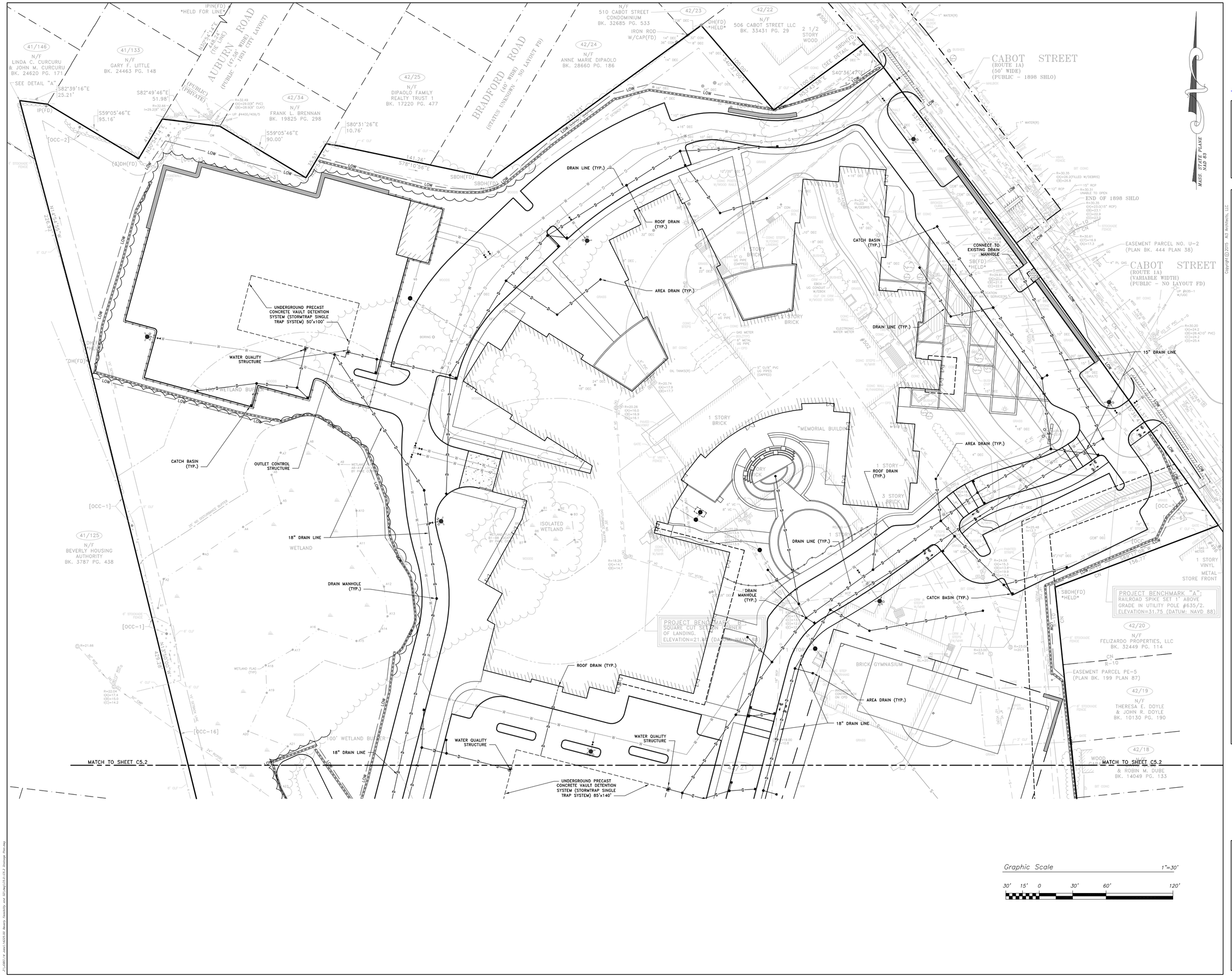
NORTH ARROW

KEYPLAN

DRAWING NAME:

OVERALL DRAINAGE PLAN

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=50'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C5.0



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KEYNOTE LEGEND:

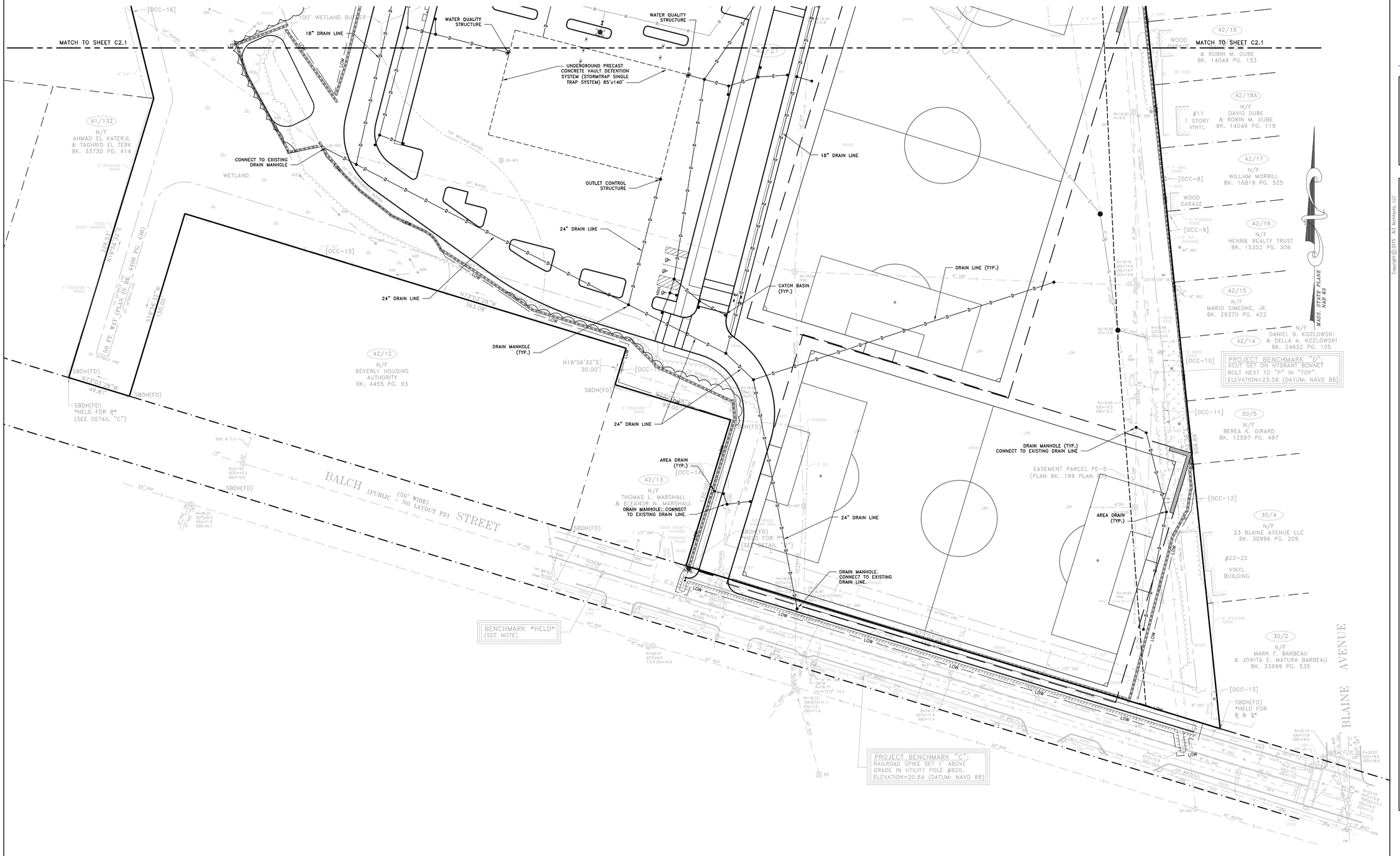
NORTH ARROW

KEYPLAN

DRAWING NAME:

DRAINAGE PLAN 1

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=30'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
DRAWING NUMBER:	C5.1



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KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

DRAWING NAME:

DRAINGE PLAN 2

DRAWN BY:	AWB
REVIEWED BY:	MJG
SCALE:	1"=30'
JOB NO.:	14225.00
DATE:	Aug. 6, 2015
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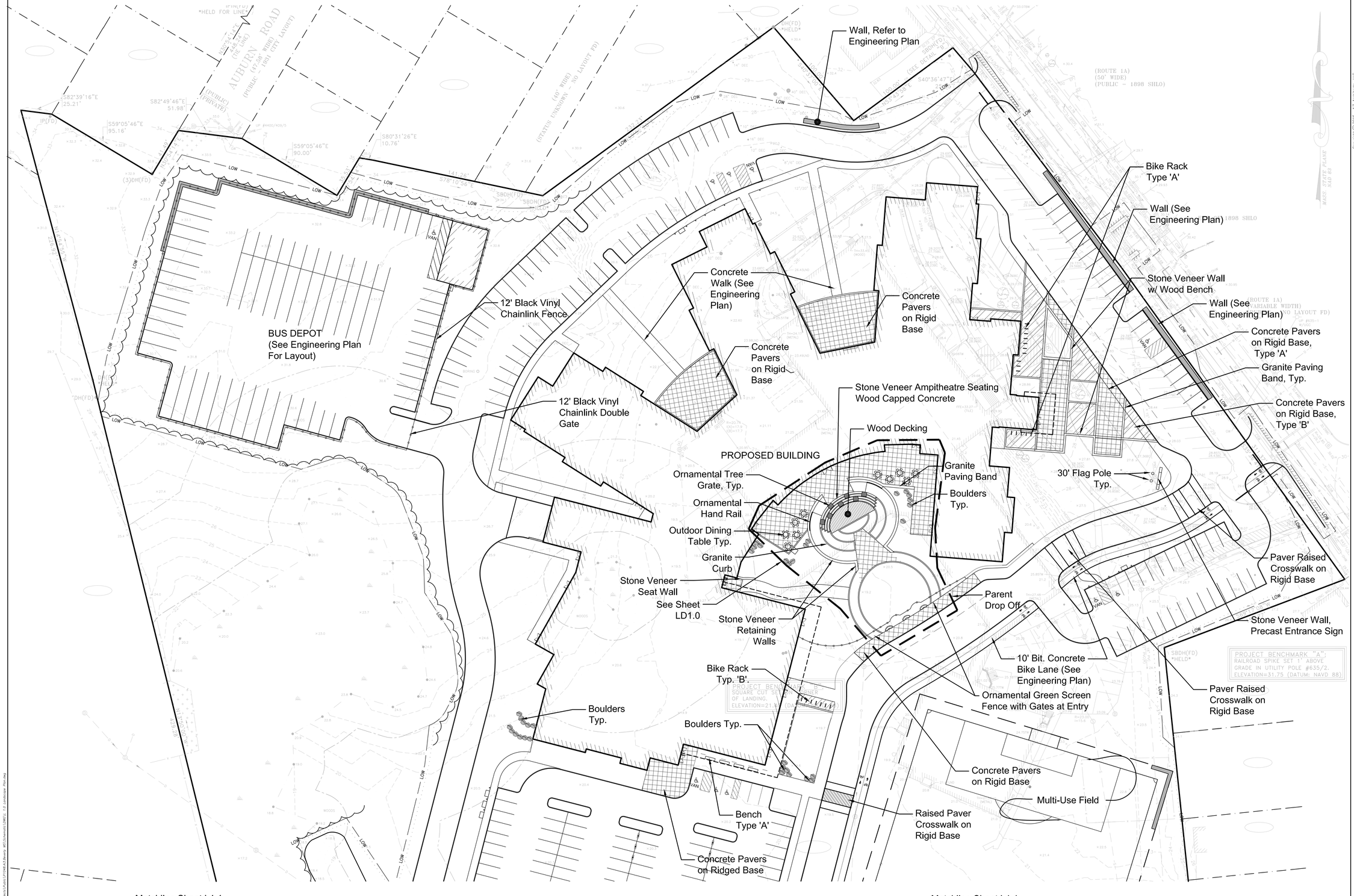

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BIRCHWOOD DESIGN GROUP

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KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

DRAWING NAME:

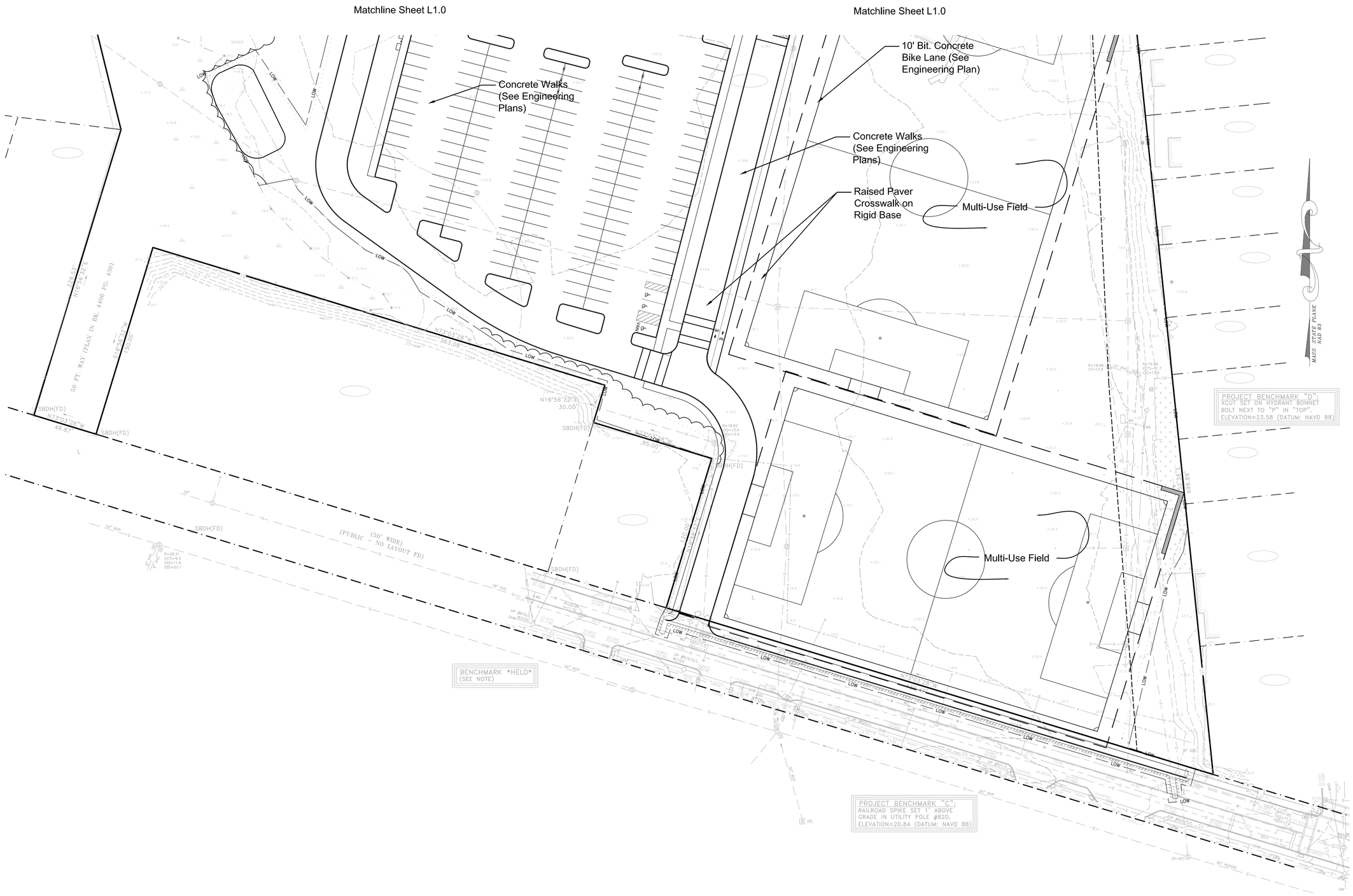
LANDSCAPE PLAN

DRAWN BY:

REVIEWED BY:

SCALE: 1"=30'
JOB NO.: 14225.00
DATE: Aug. 6, 2015

DRAWING NUMBER: L1.0



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BEVERLY MIDDLE SCHOOL

CABOT STREET
BEVERLY, MA 01915

KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

DRAWING NAME:

LANDSCAPE PLAN

DRAWN BY:

REVIEWED BY:

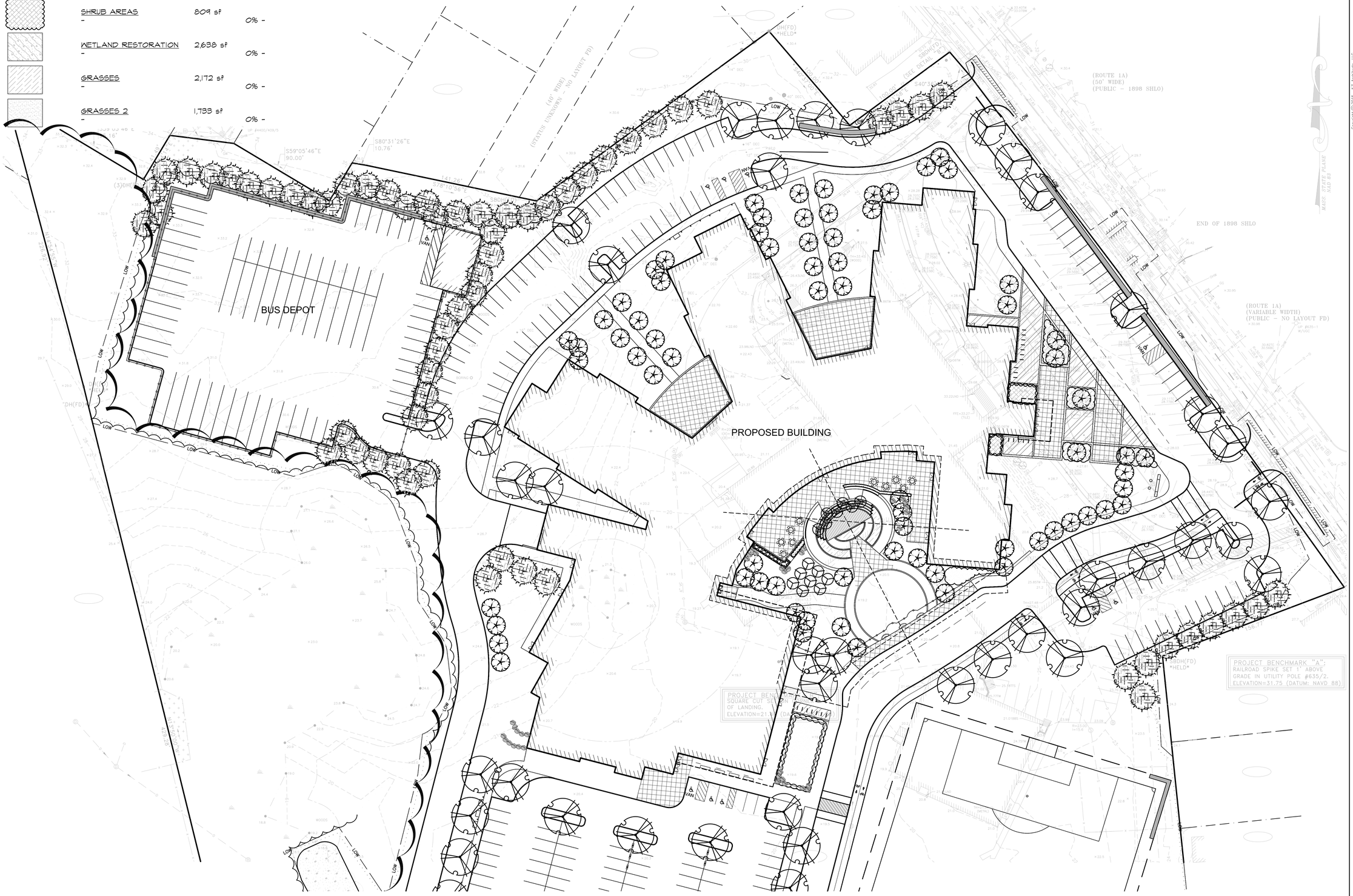
SCALE: 1"=30'
JOB NO.: 14225.00
DATE: Aug. 6, 2015

DRAWING NUMBER: L1.1

Z:\Shared\Projects\Public\1714AA Beverly MS\Schematic\DWG's, 11 Landscape Plan.dwg

CONCEPT PLANT SCHEDULE

LARGE DECIDUOUS	46	
-		
DECIDUOUS ORNAMENTAL	73	
-		
LARGE EVERGREE	84	
-		
SMALL DECIDUOUS	15	
-		
SHRUB AREAS	809 sf	0% -
-		
WETLAND RESTORATION	2,638 sf	0% -
-		
GRASSES	2,172 sf	0% -
-		
GRASSES 2	1,733 sf	0% -
-		



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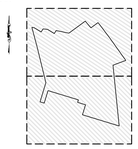
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

PLANTING PLAN

DRAWN BY:

REVIEWED BY:

SCALE: 1"=30'
JOB NO.: 14225.00
DATE: Aug. 6, 2015

DRAWING NUMBER: LP1.0

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CONCEPT PLANT SCHEDULE

LARGE DECIDUOUS	46	
-		
DECIDUOUS ORNAMENTAL	73	
-		
LARGE EVERGREE	84	
-		
SMALL DECIDUOUS	15	
-		
SHRUB AREAS	809 sf	
-		0% -
WETLAND RESTORATION	2,638 sf	
-		0% -
GRASSES	2,172 sf	
-		0% -
GRASSES 2	1,733 sf	
-		0% -

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KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

DRAWING NAME:

PLANTING PLAN

DRAWN BY:

REVIEWED BY:

SCALE: 1"=30'
JOB NO.: 14225.00
DATE: Aug. 6, 2015

DRAWING NUMBER:
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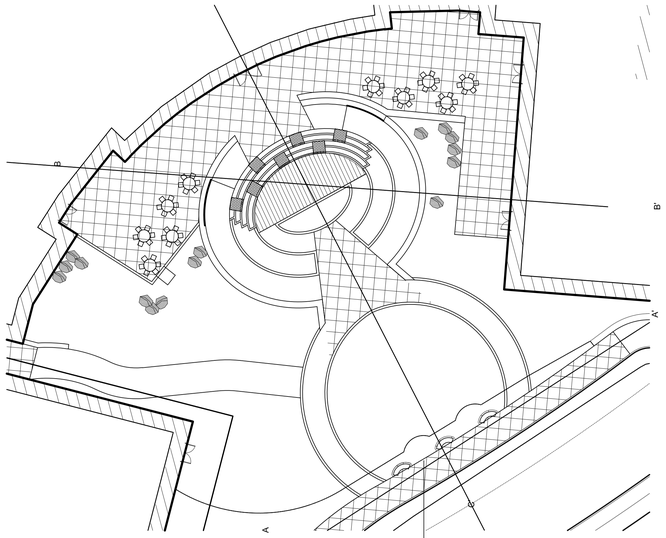
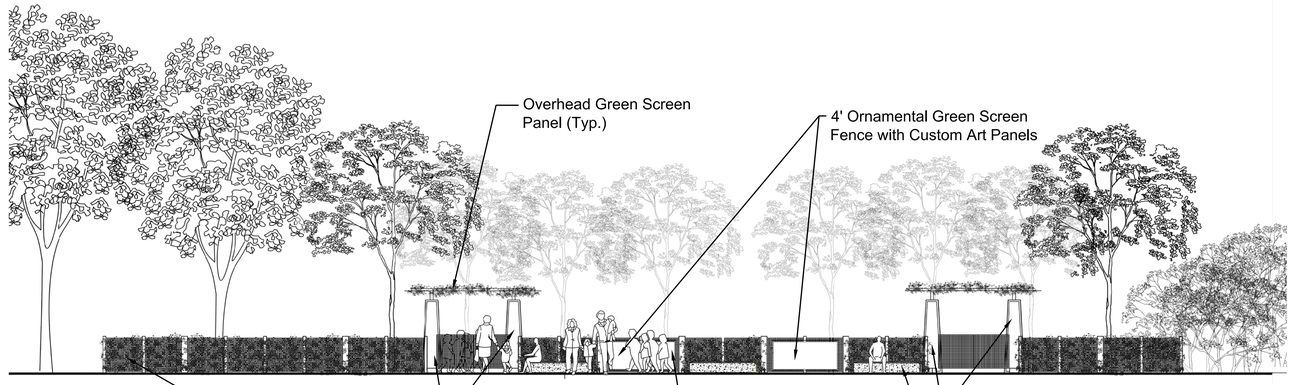
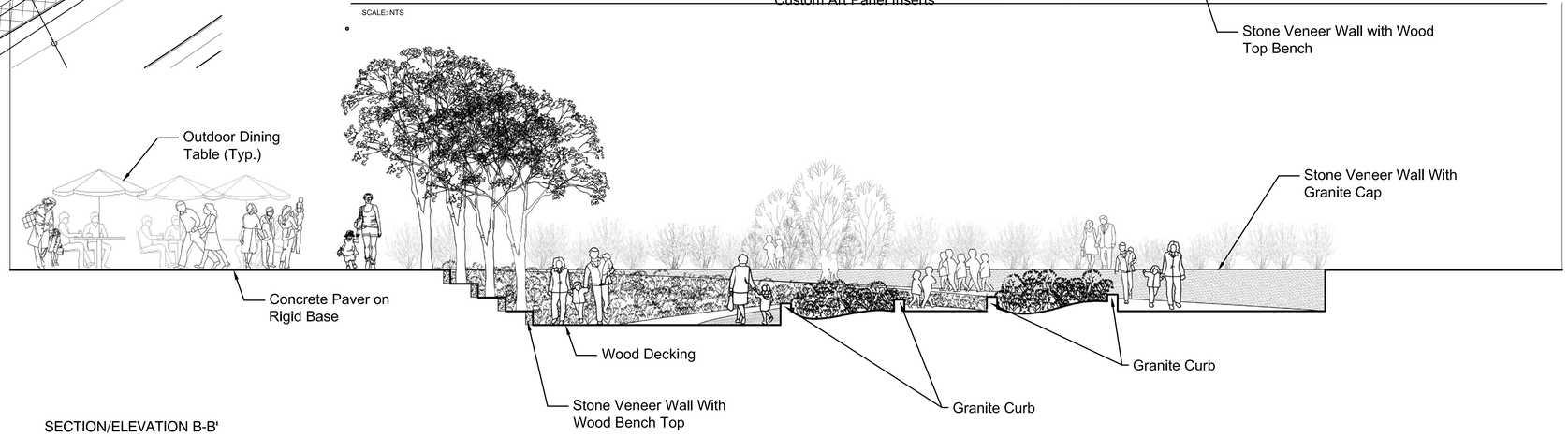




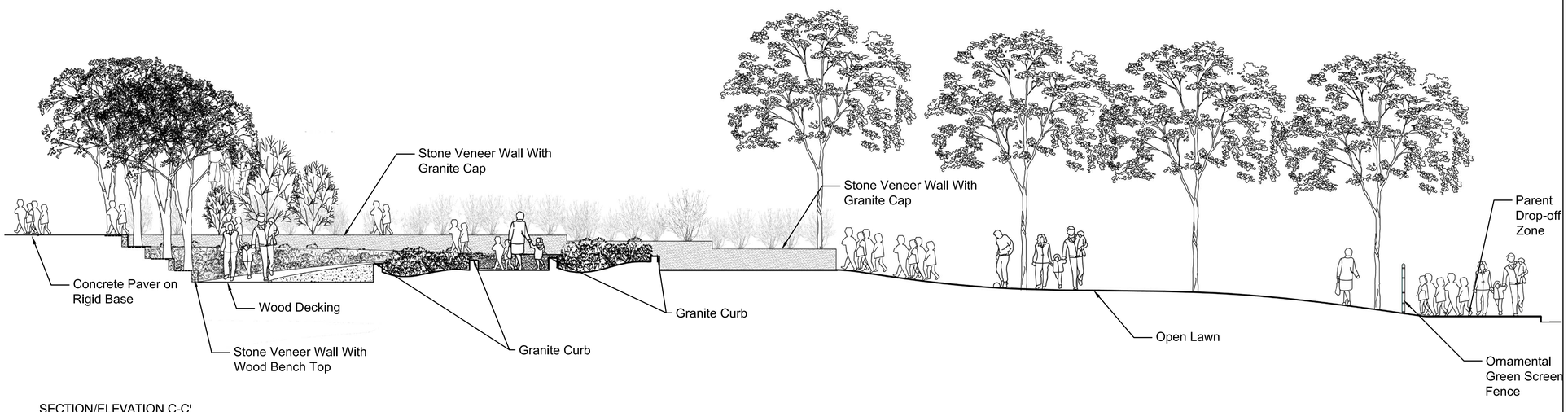
SECTION/ELEVATION A-A'

SCALE: NTS



SECTION/ELEVATION B-B'

SCALE: NTS



SECTION/ELEVATION C-C'

SCALE: NTS

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KEYNOTE LEGEND:

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KEYPLAN

DRAWING NAME:

LANDSCAPE DETAILS

DRAWN BY:

REVIEWED BY:

SCALE: NTS

JOB NO.: 14225.00

DATE: Aug. 6, 2015

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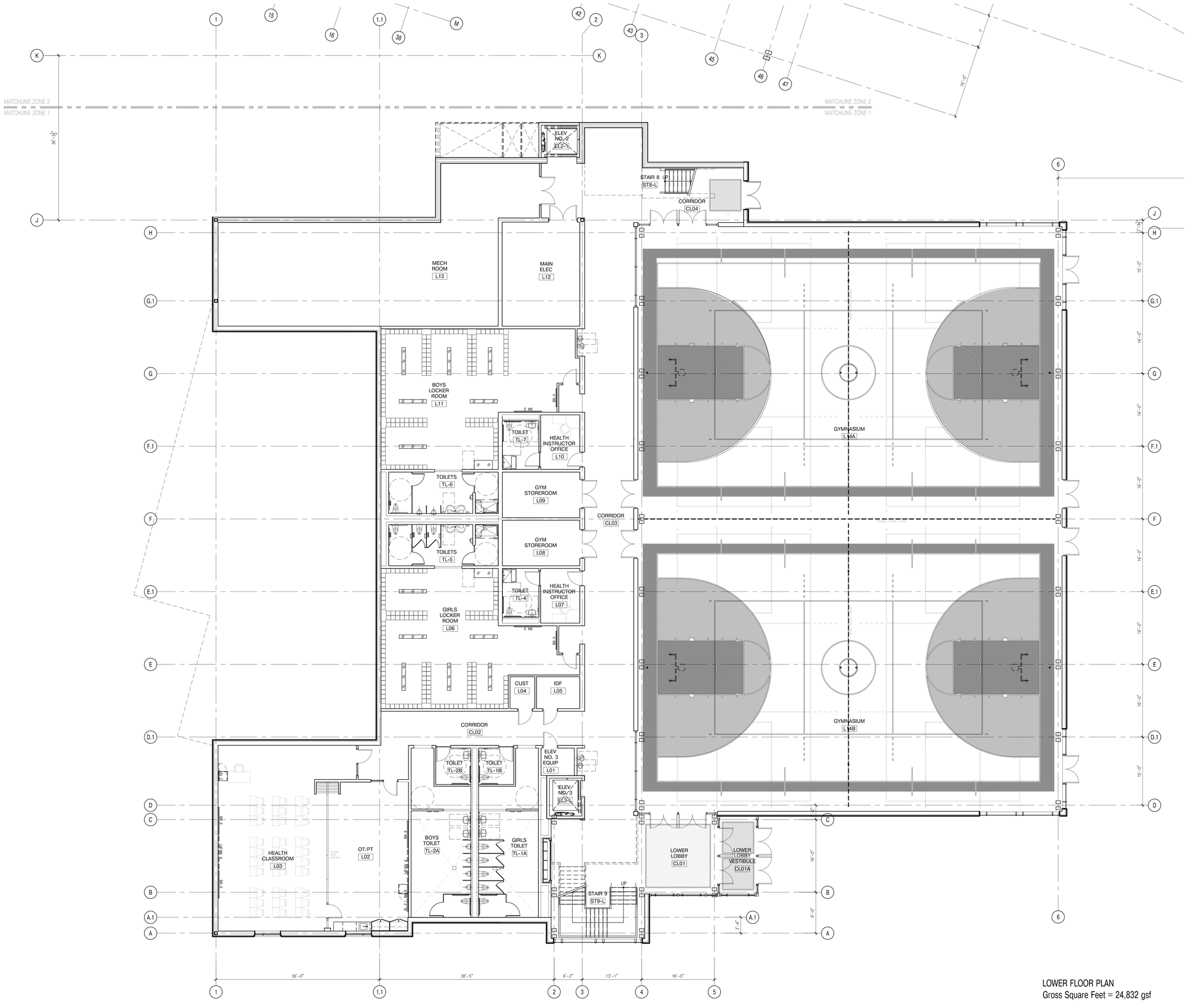

LOWER FLOOR PLAN
Gross Square Feet = 24,832 gsf

1 LOWER FLOOR PLAN - ZONE 1
1/8"=1'-0"

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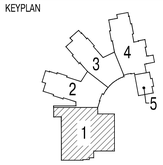
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

LOWER LEVEL FLOOR PLAN ZONE 1

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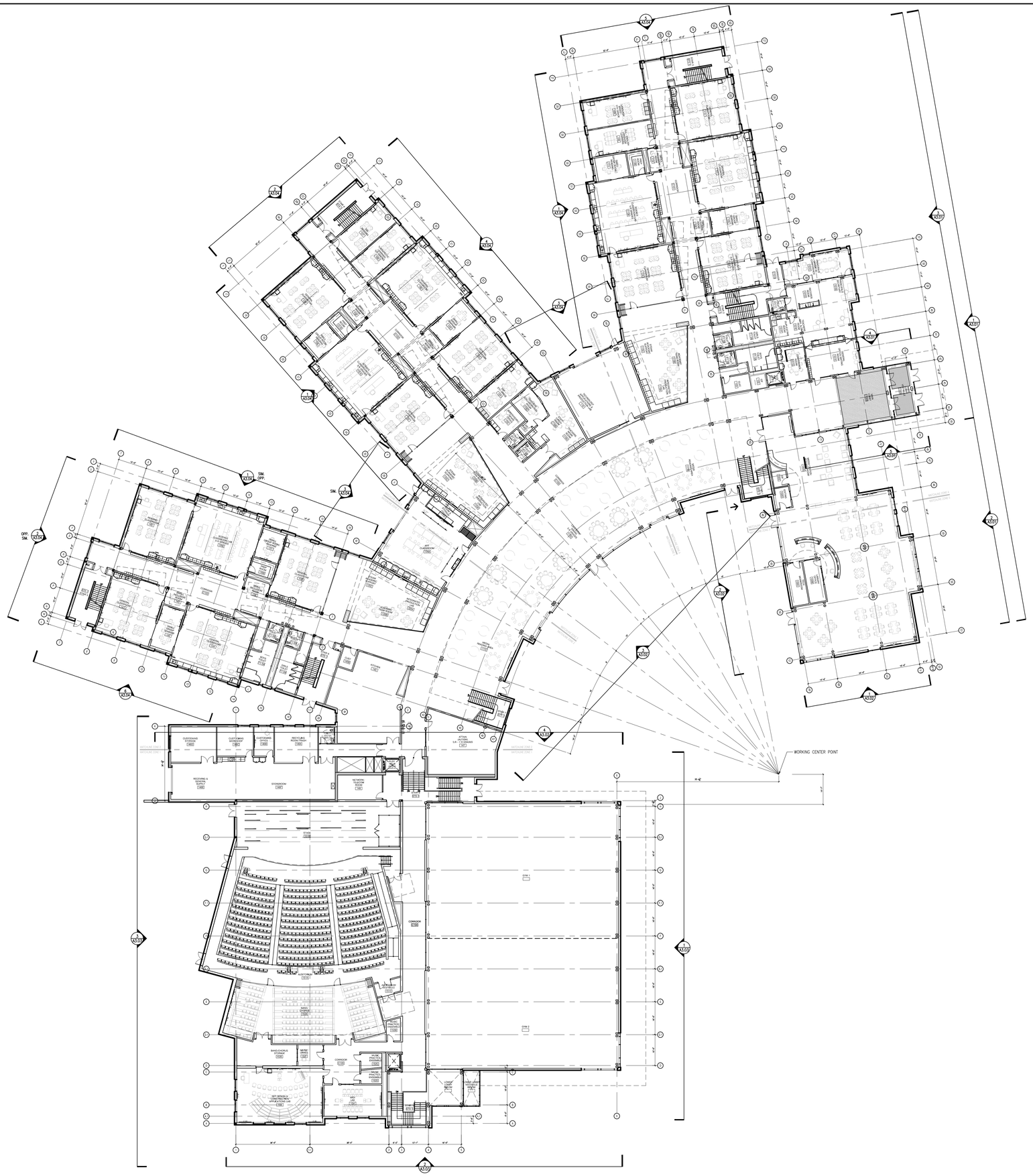
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.00



FIRST FLOOR PLAN
Gross Square Feet = 79,407 gsf

1 OVERALL FIRST FLOOR PLAN
1:20

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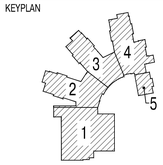
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

OVERALL FIRST FLOOR PLAN

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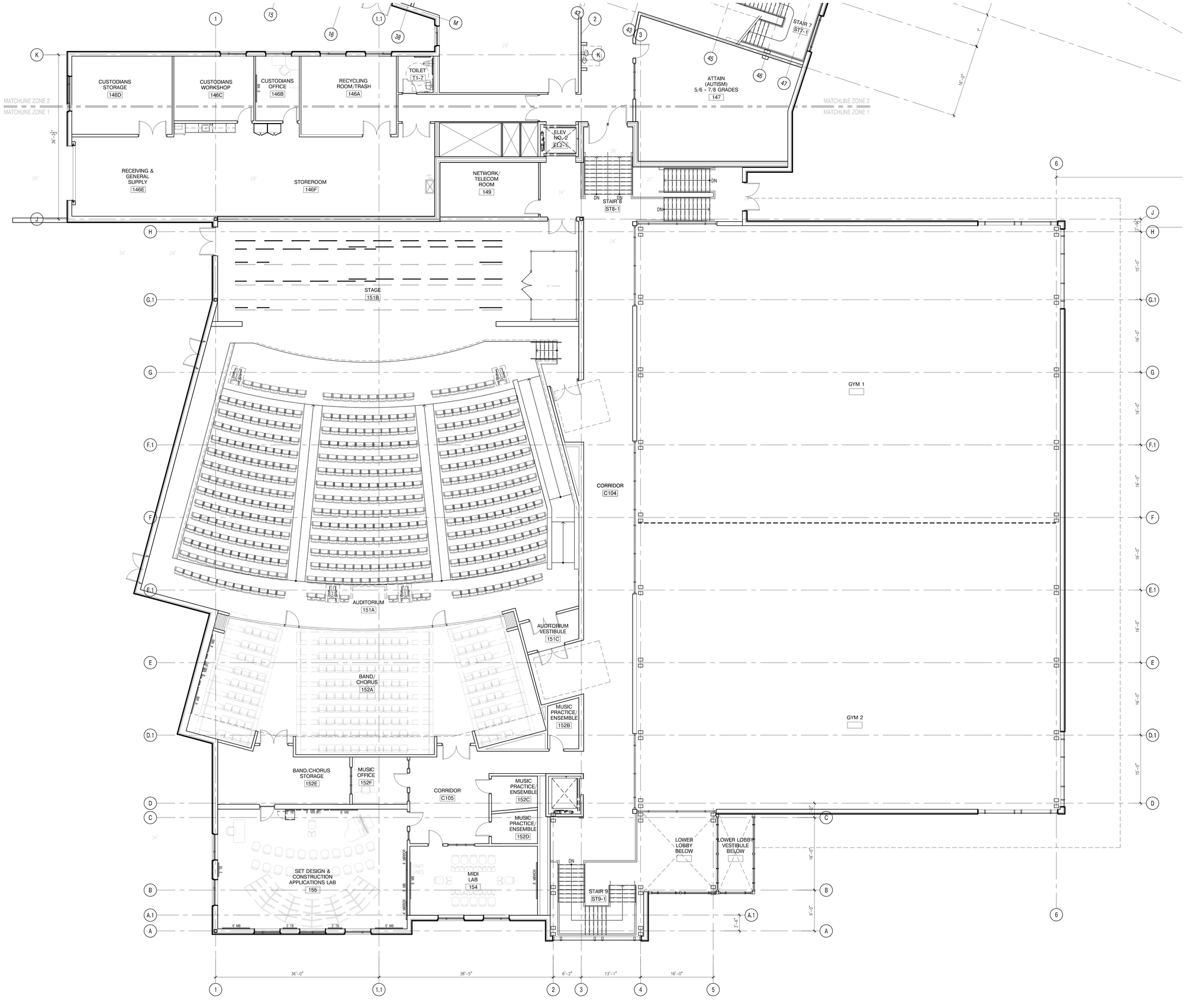
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.10



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

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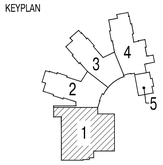
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

FIRST FLOOR PLAN ZONE 1

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JOB NO.:	1403.00
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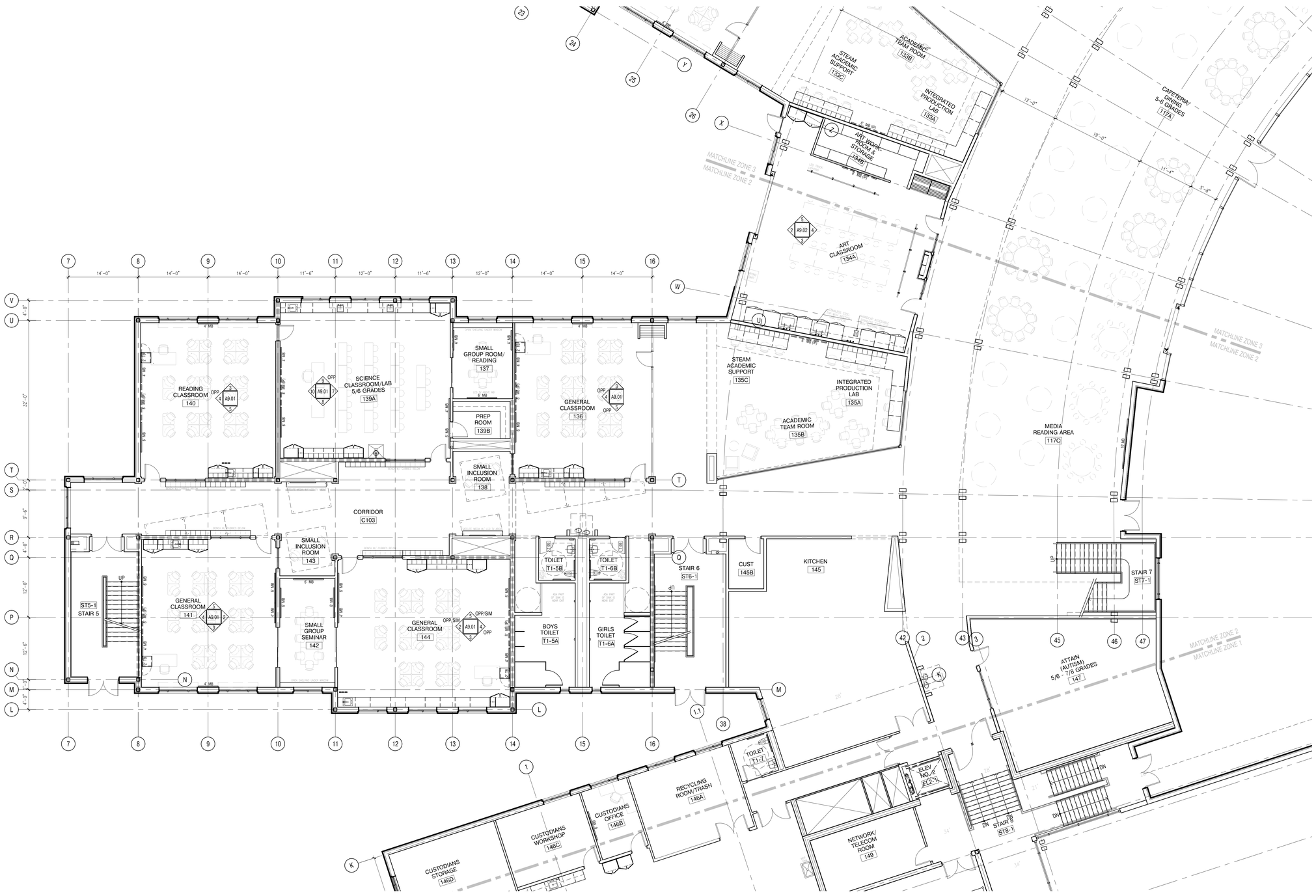

1 FIRST FLOOR PLAN - ZONE 2
1/8"=1'-0"

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KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

DRAWING NAME:

FIRST FLOOR PLAN ZONE 2

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
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DATE:	Aug 6, 2015
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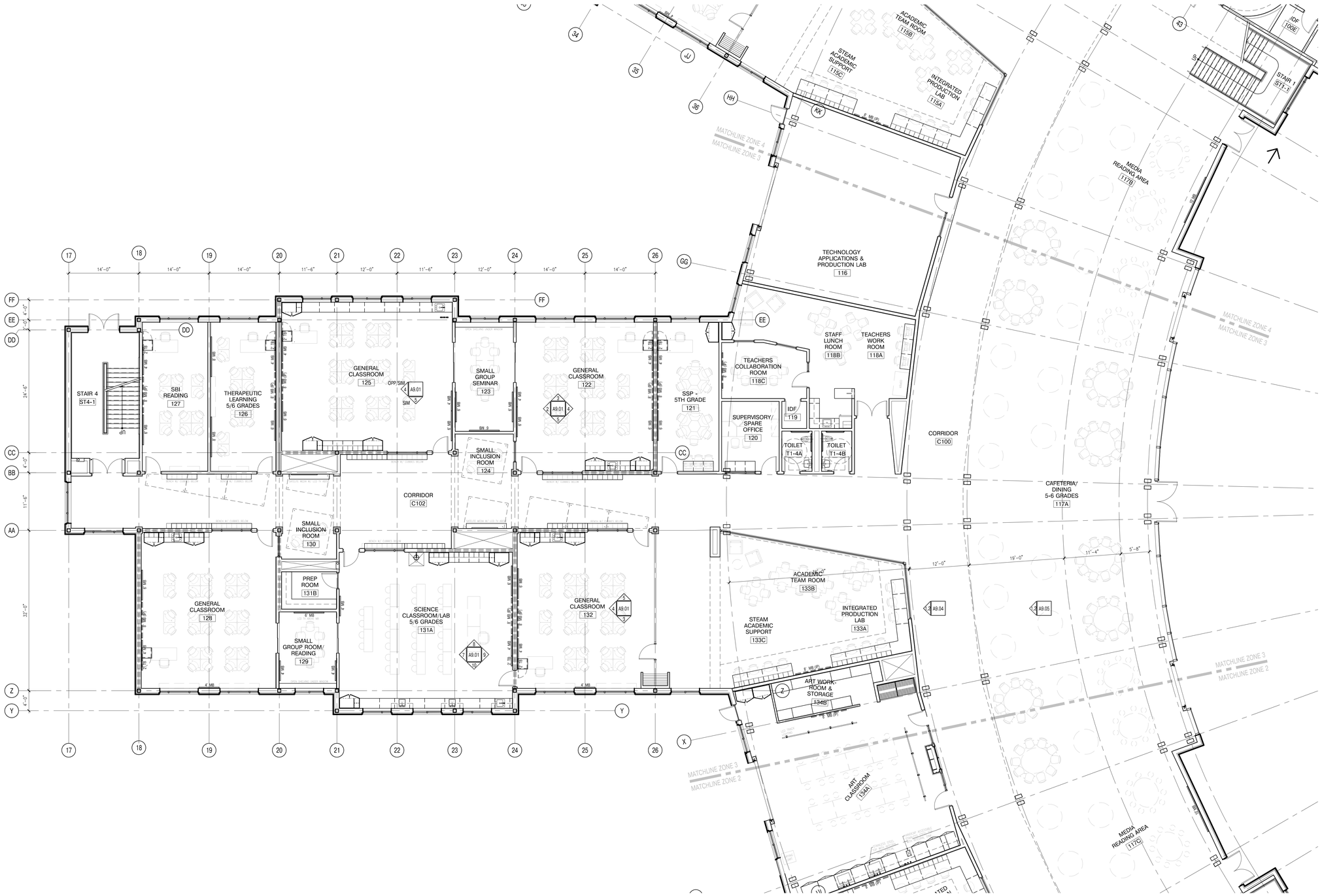

1 FIRST FLOOR PLAN - ZONE 3
1/8"=1'-0"

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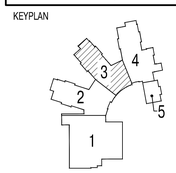
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



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REVIEWED BY:	MB
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JOB NO.:	1403.00
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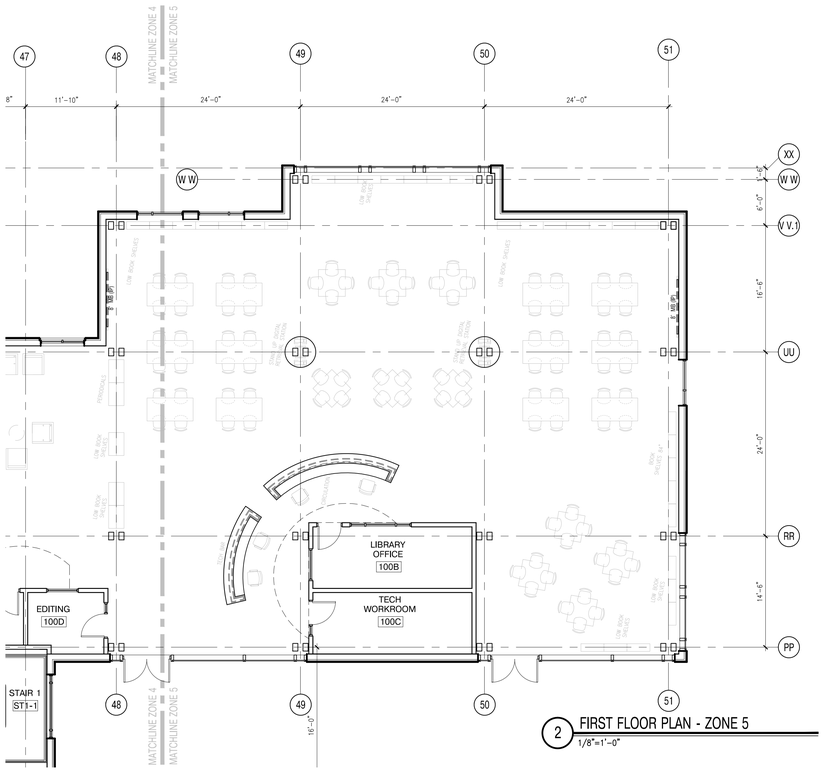
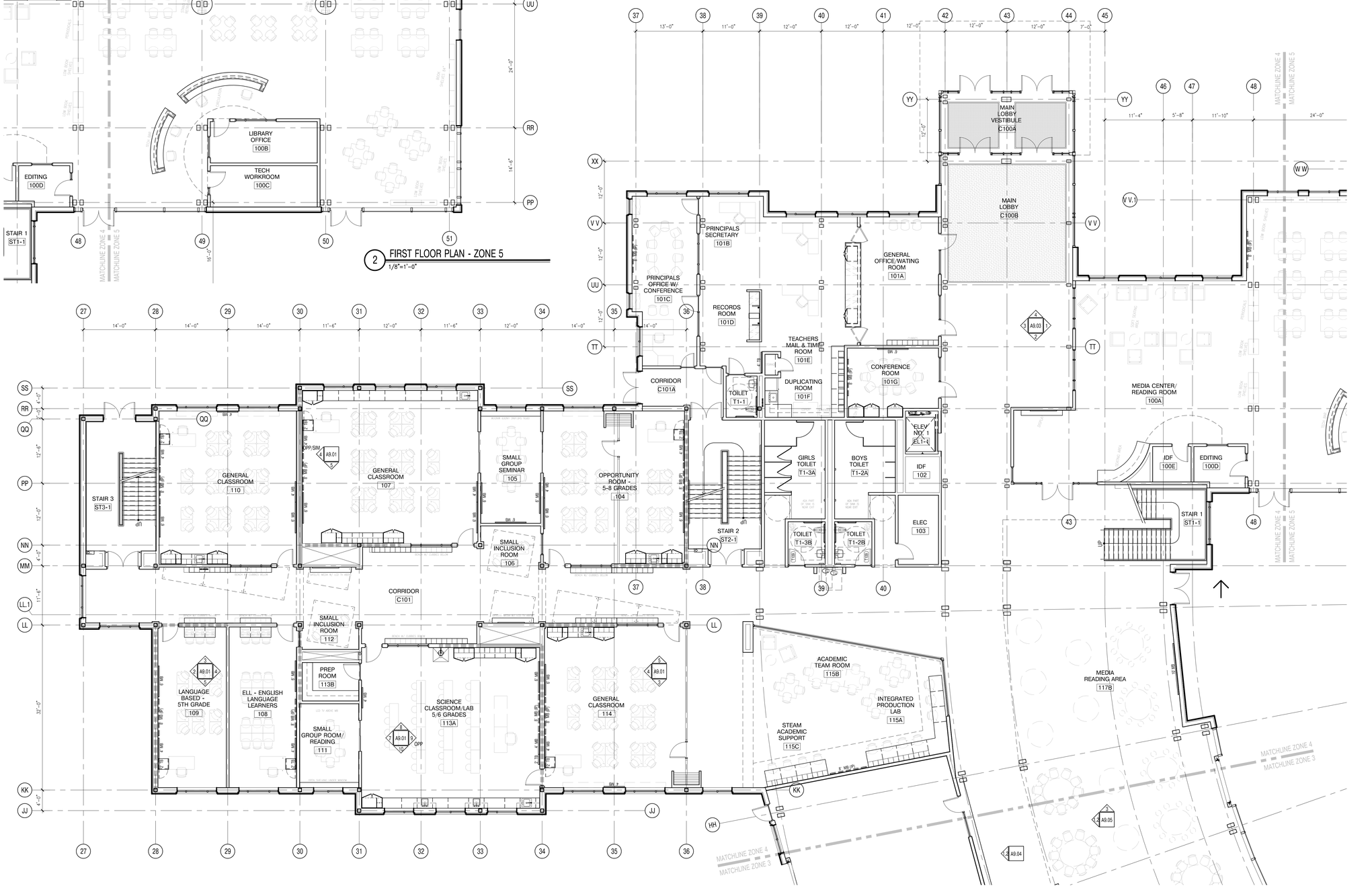


2 FIRST FLOOR PLAN - ZONE 5
1/8"=1'-0"



1 FIRST FLOOR PLAN - ZONE 4
1/8"=1'-0"

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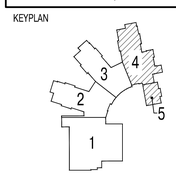
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

FIRST FLOOR PLAN ZONES 4 & 5

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REVIEWED BY:	MB
SCALE:	As Noted
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DATE:	Aug 6, 2015
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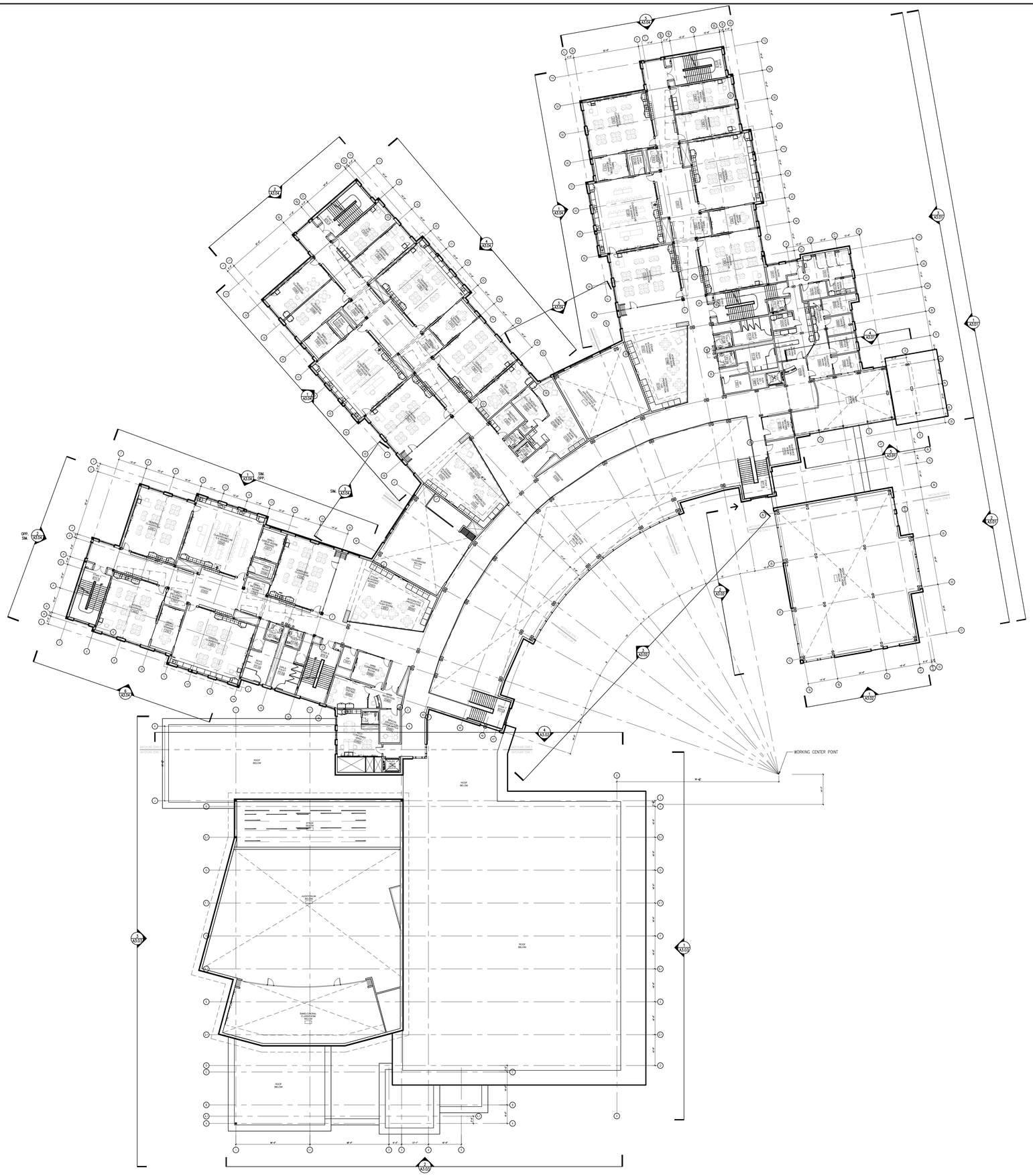

SECOND FLOOR PLAN
Gross Square Feet = 41,871 gsf

1 OVERALL SECOND FLOOR PLAN
1:20

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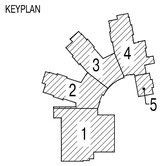
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

OVERALL SECOND FLOOR PLAN

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DATE:	Aug 6, 2015
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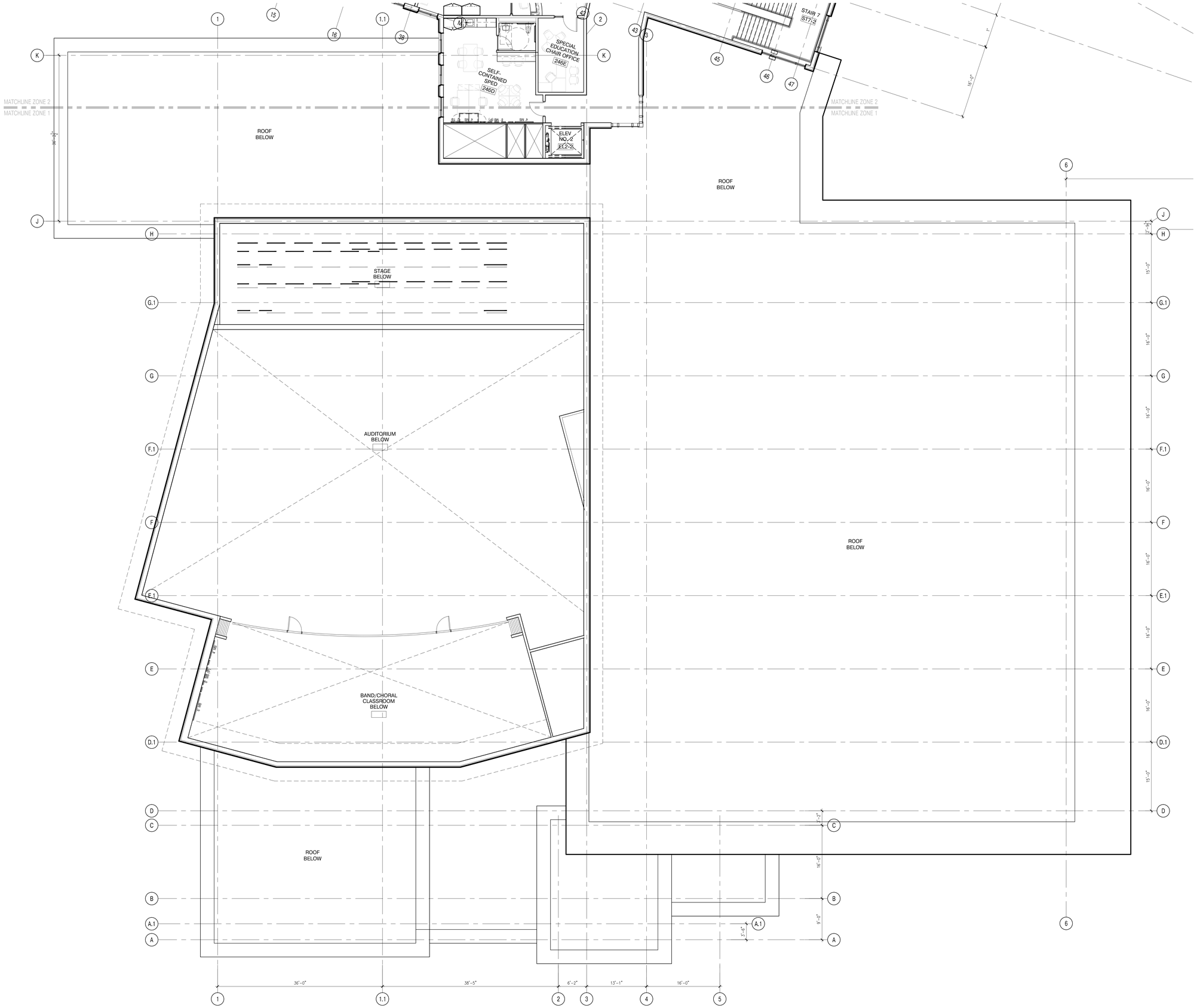

1 SECOND FLOOR PLAN - ZONE 1
1/8"=1'-0"

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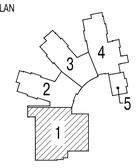
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



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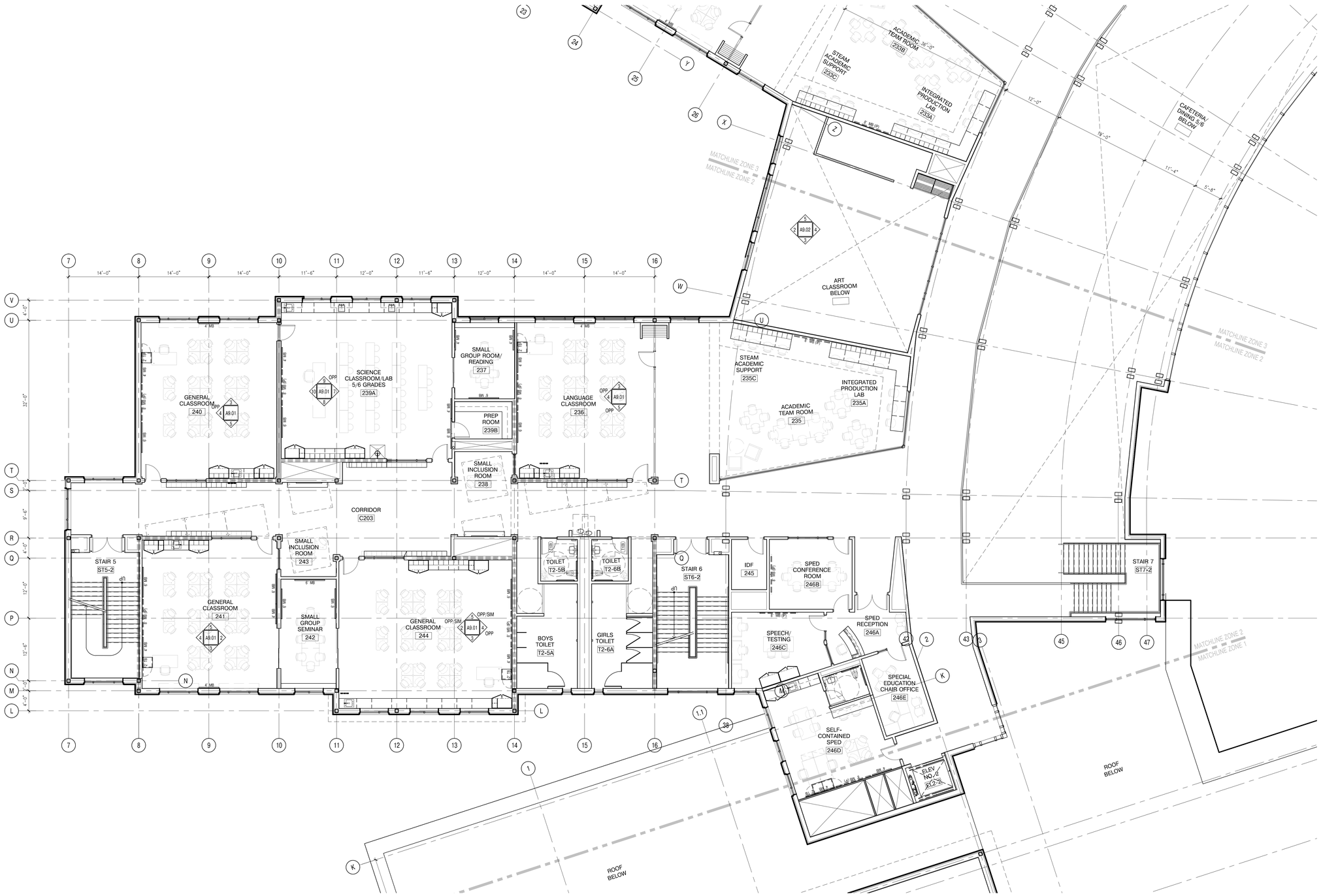

1 SECOND FLOOR PLAN - ZONE 2
1/8"=1'-0"

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KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

DRAWING NAME:

SECOND FLOOR PLAN ZONE 2

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REVIEWED BY:	MB
SCALE:	As Noted
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DATE:	Aug 6, 2015
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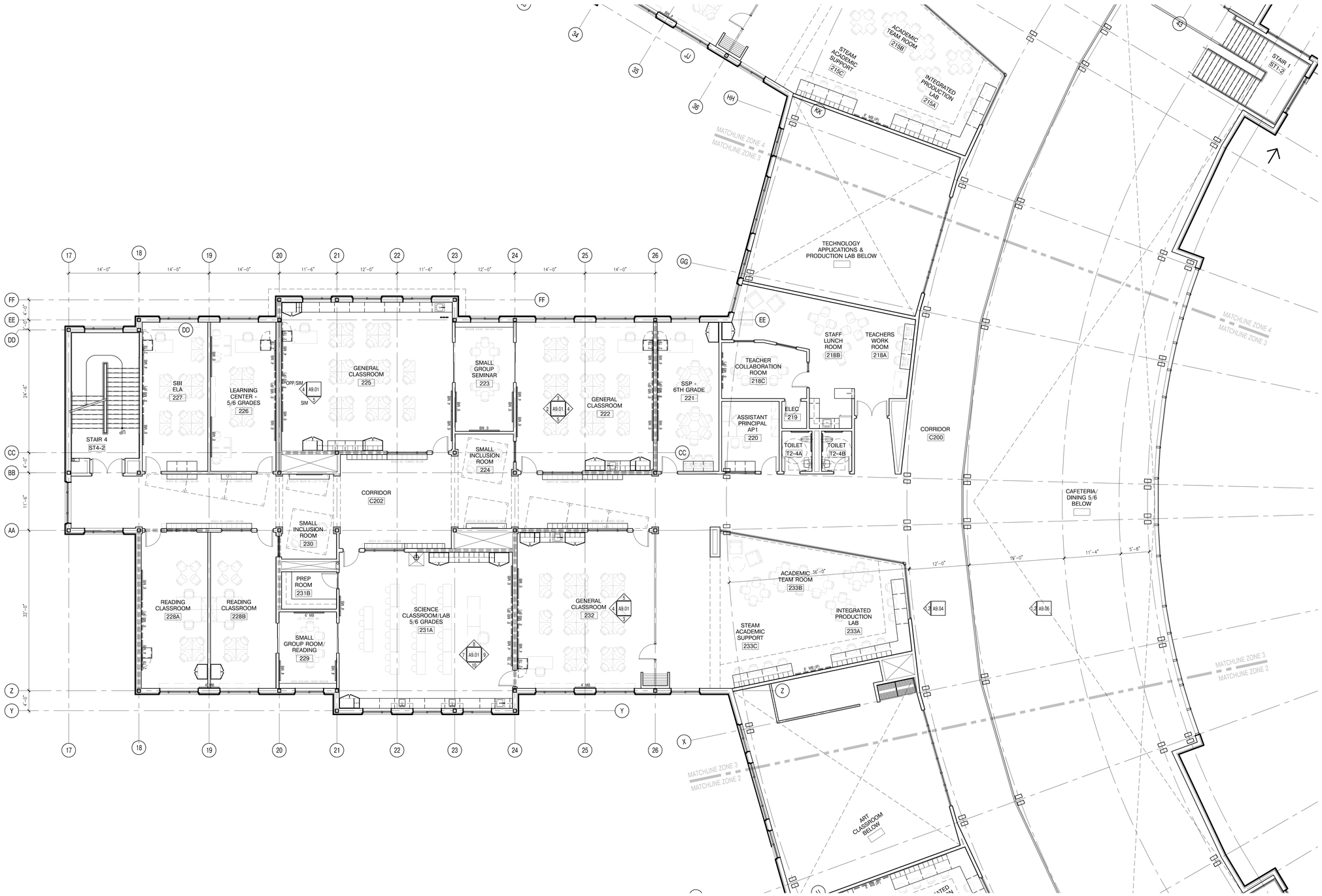

1 SECOND FLOOR PLAN - ZONE 3
1/8"=1'-0"

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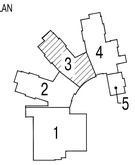
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



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SECOND FLOOR PLAN ZONE 3

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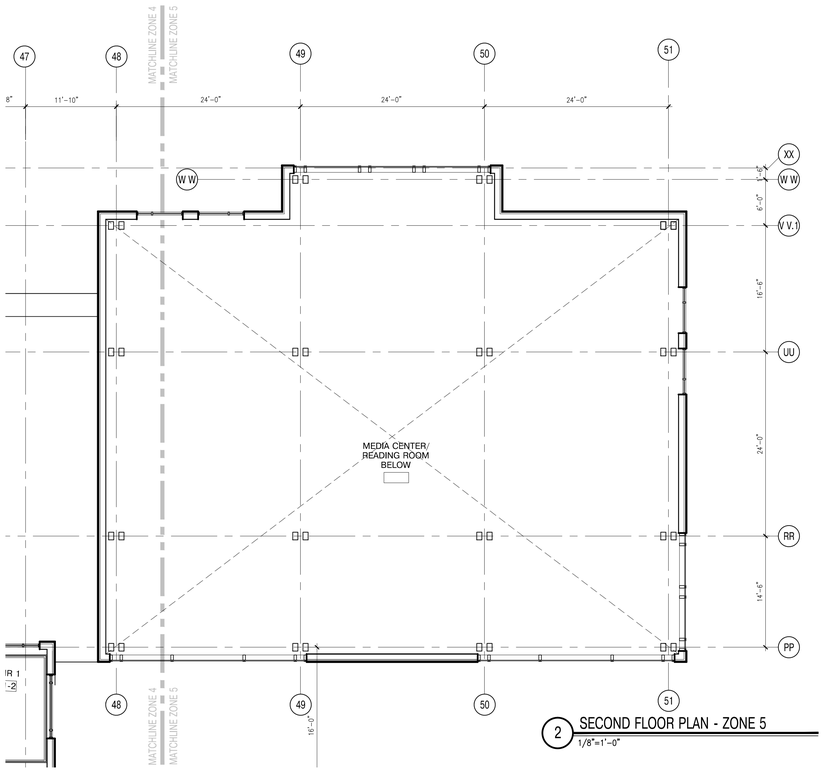
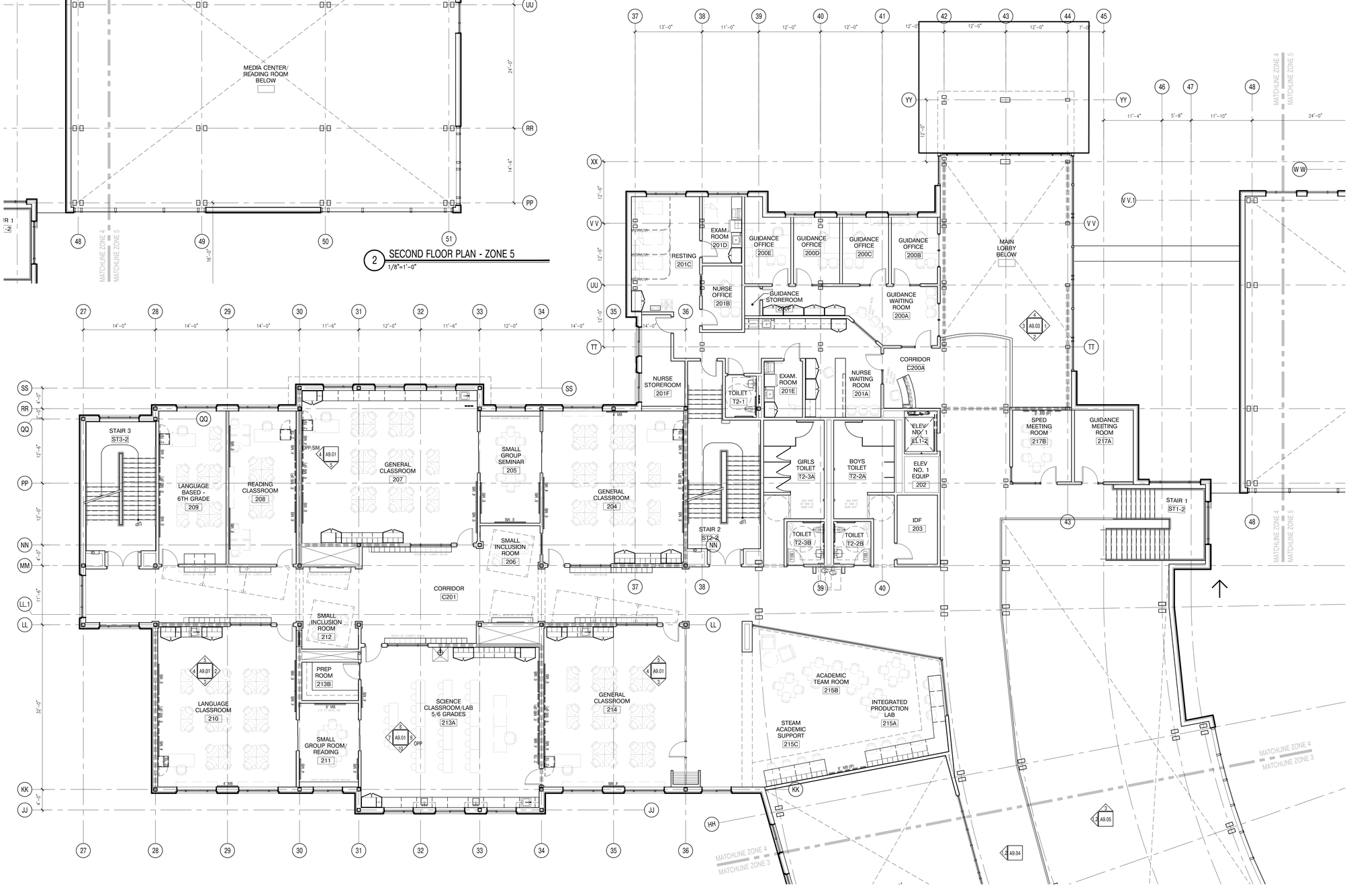


2 SECOND FLOOR PLAN - ZONE 5
1/8"=1'-0"



1 SECOND FLOOR PLAN - ZONE 4
1/8"=1'-0"

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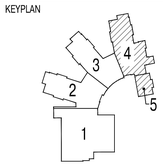
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

SECOND FLOOR PLAN ZONES 4 & 5

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REVIEWED BY:	MB
SCALE:	As Noted
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DATE:	Aug 6, 2015
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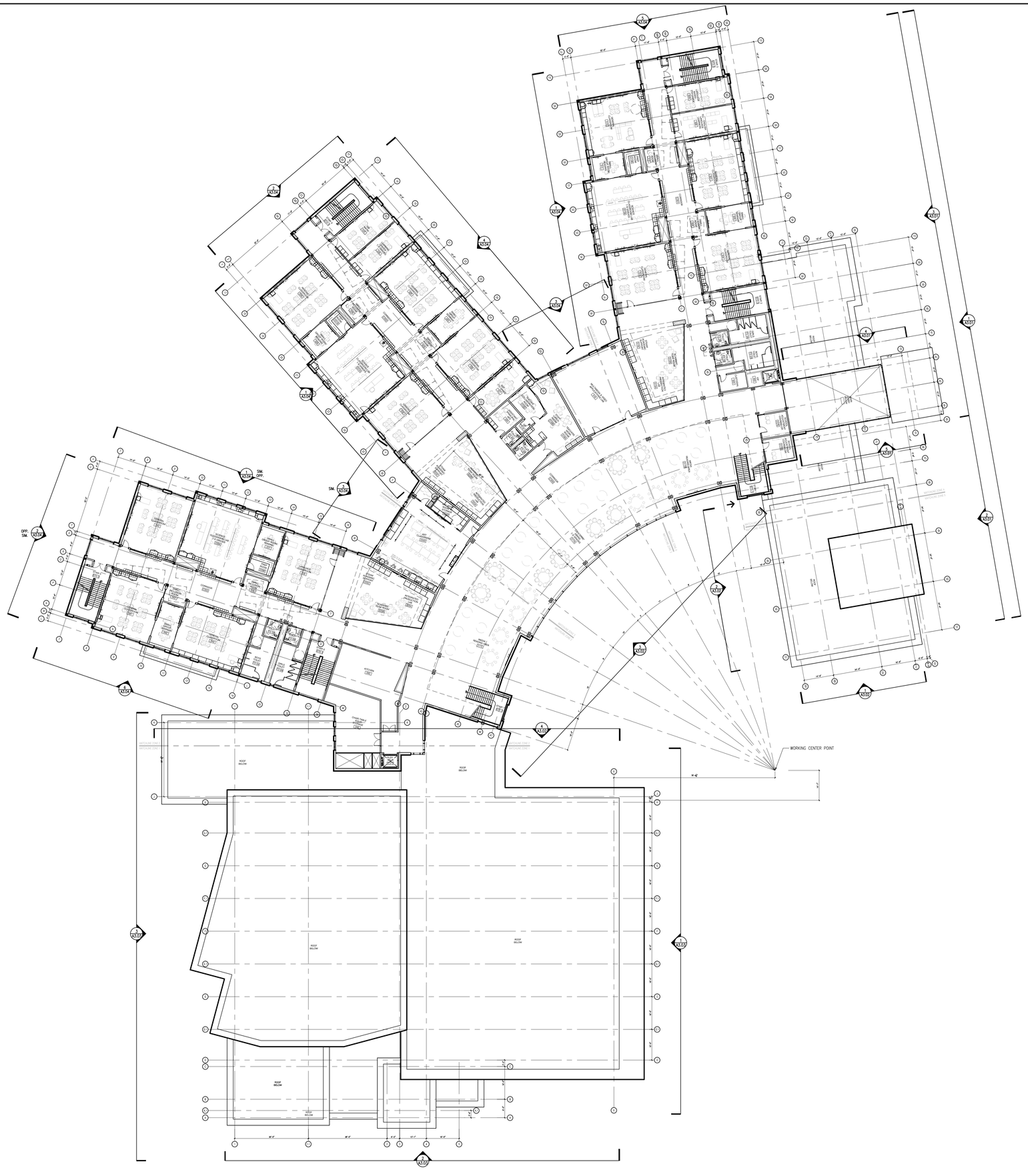

THIRD FLOOR PLAN
Gross Square Feet = 49,306 gsf

1 OVERALL THIRD FLOOR PLAN
1:20

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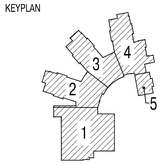
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

OVERALL THIRD FLOOR PLAN

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DATE:	Aug 6, 2015

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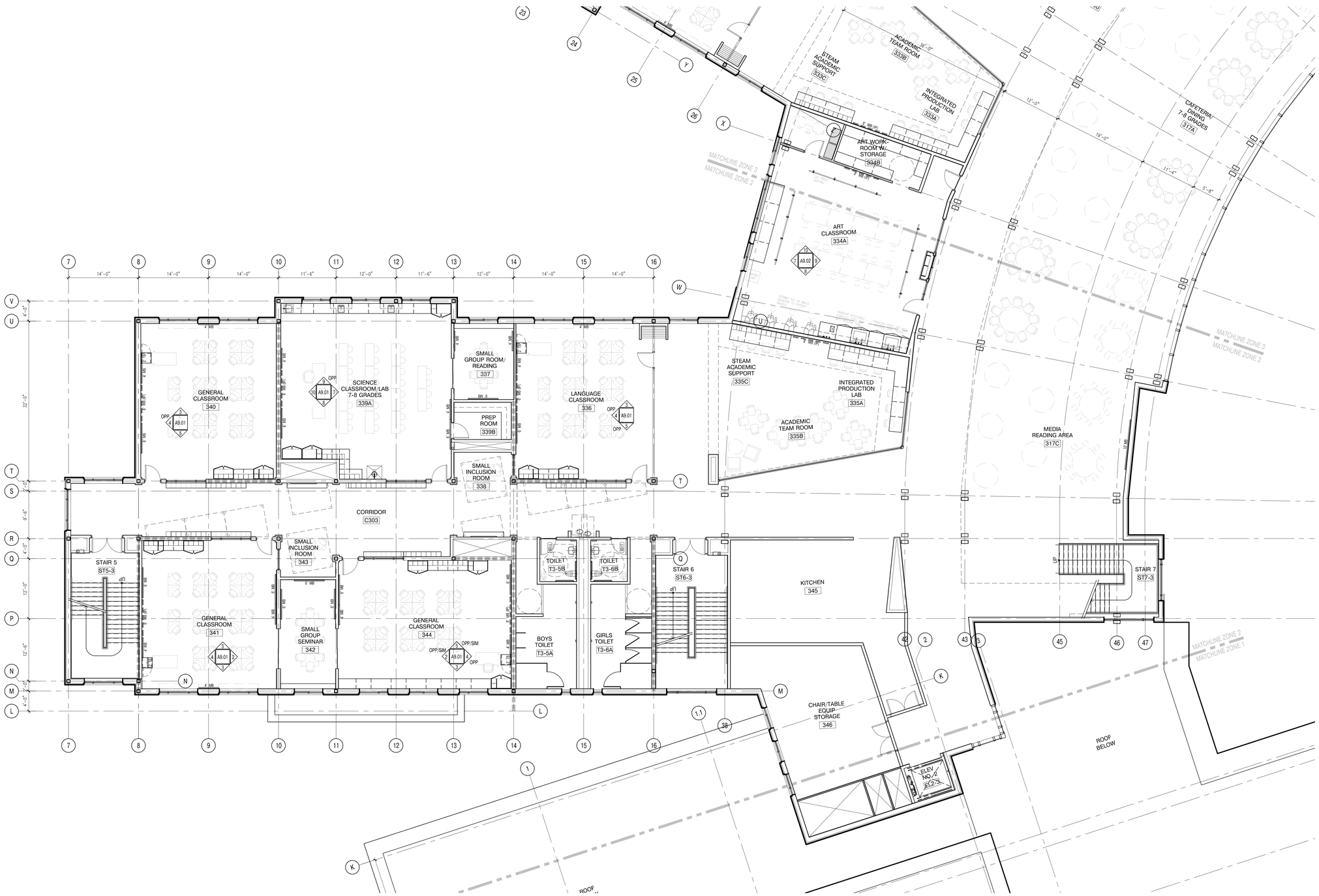

1 THIRD FLOOR PLAN - ZONE 2
1/8"=1'-0"

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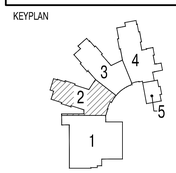
KEYNOTE LEGEND:

NORTH ARROW

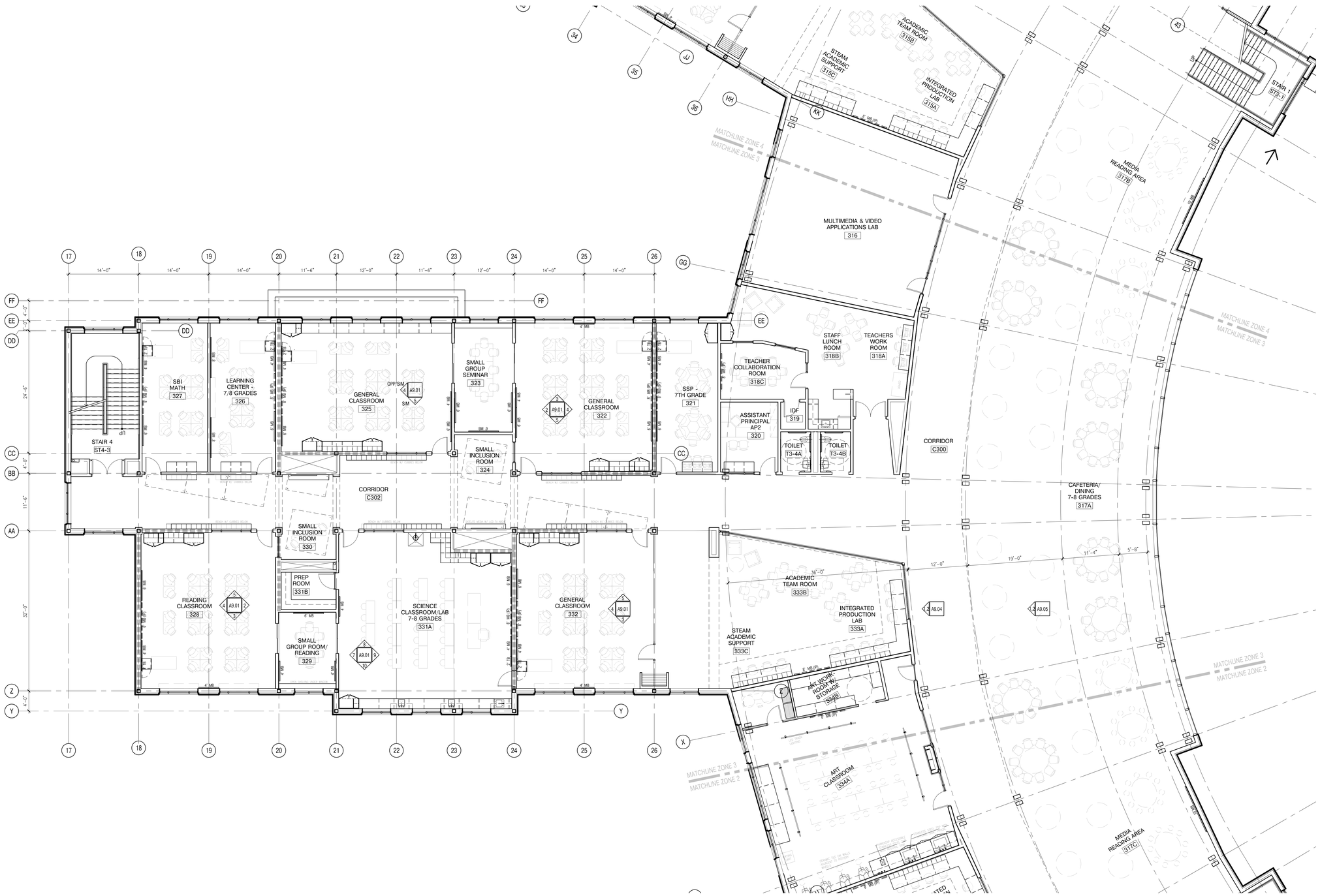
KEYPLAN



DRAWING NAME:

THIRD FLOOR PLAN ZONE 2

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.32



1 THIRD FLOOR PLAN - ZONE 3
1/8"=1'-0"

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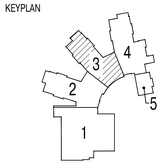
KEYNOTE LEGEND:

NORTH ARROW

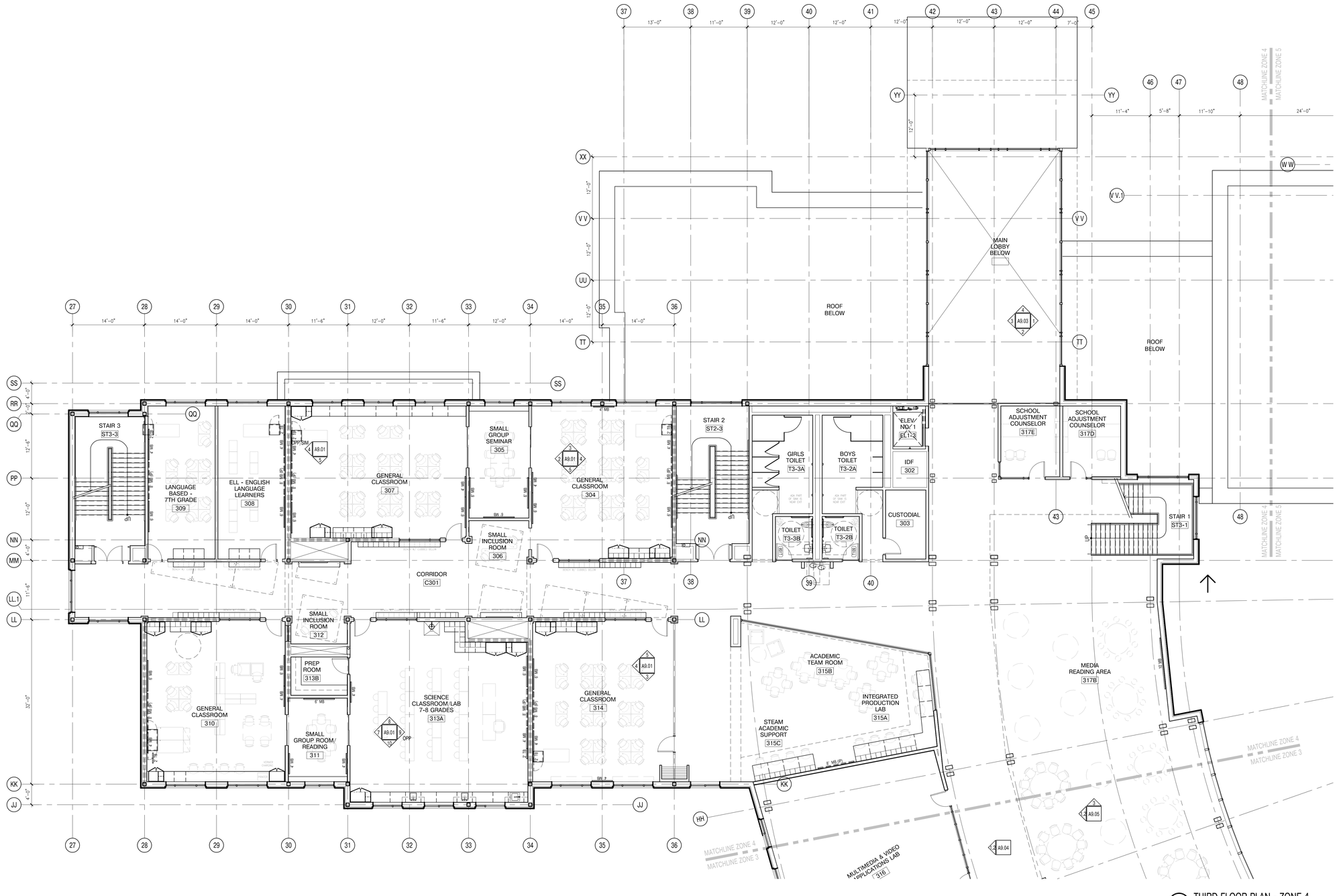
KEYPLAN



DRAWING NAME:

THIRD FLOOR PLAN ZONE 3

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.33



1 THIRD FLOOR PLAN - ZONE 4
1/8"=1'-0"

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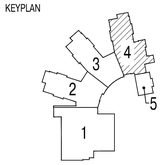
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

THIRD FLOOR PLAN ZONE 4

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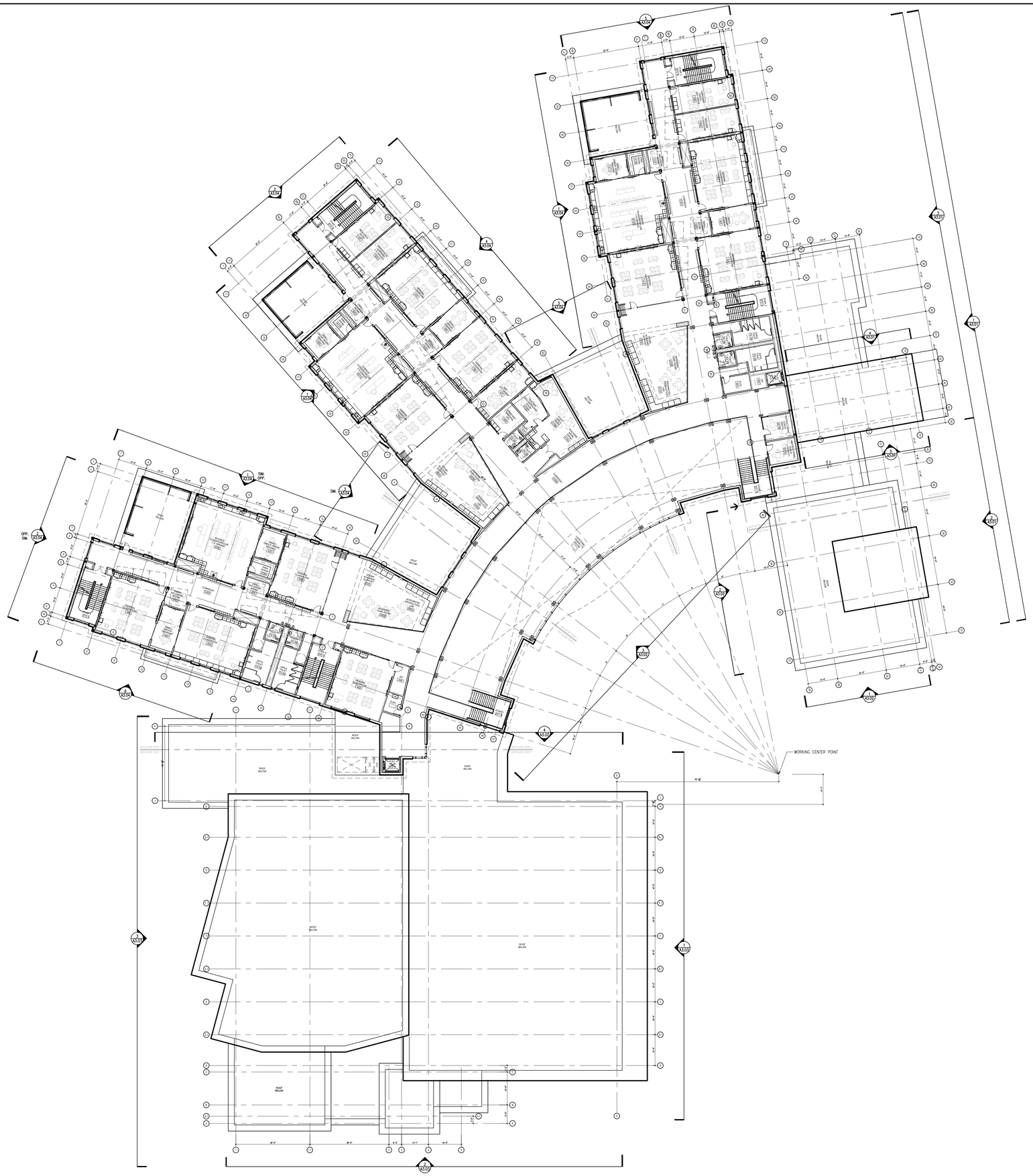
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.34



FOURTH FLOOR PLAN
Gross Square Feet = 36,173 gsf

1 OVERALL FOURTH FLOOR PLAN
1:20

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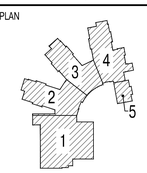
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

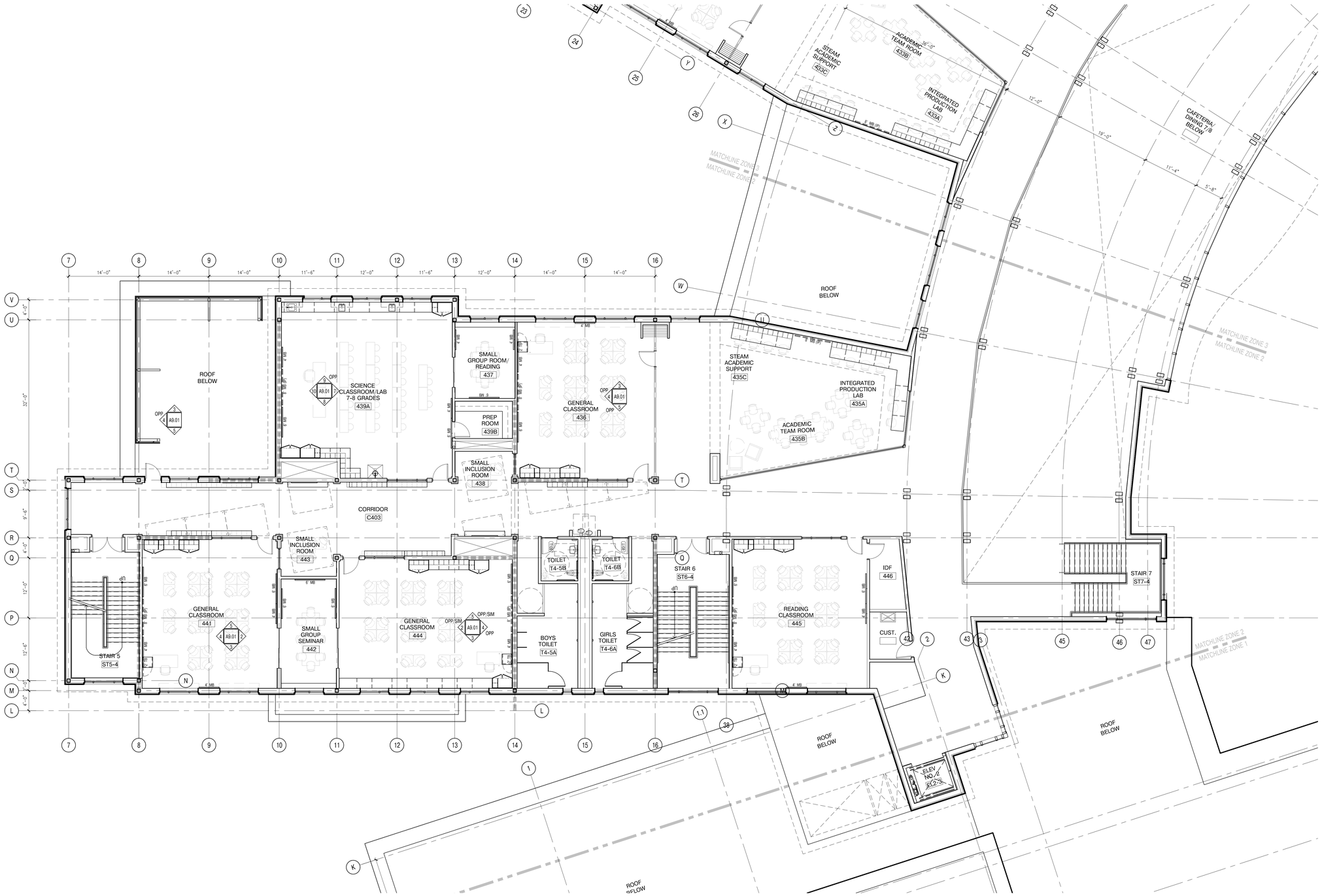


DRAWING NAME:

OVERALL FOURTH FLOOR PLAN

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015

DRAWING NUMBER: A1.40



1 FOURTH FLOOR PLAN - ZONE 2
1/8"=1'-0"

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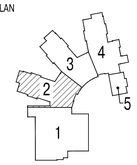
KEYNOTE LEGEND:

NORTH ARROW

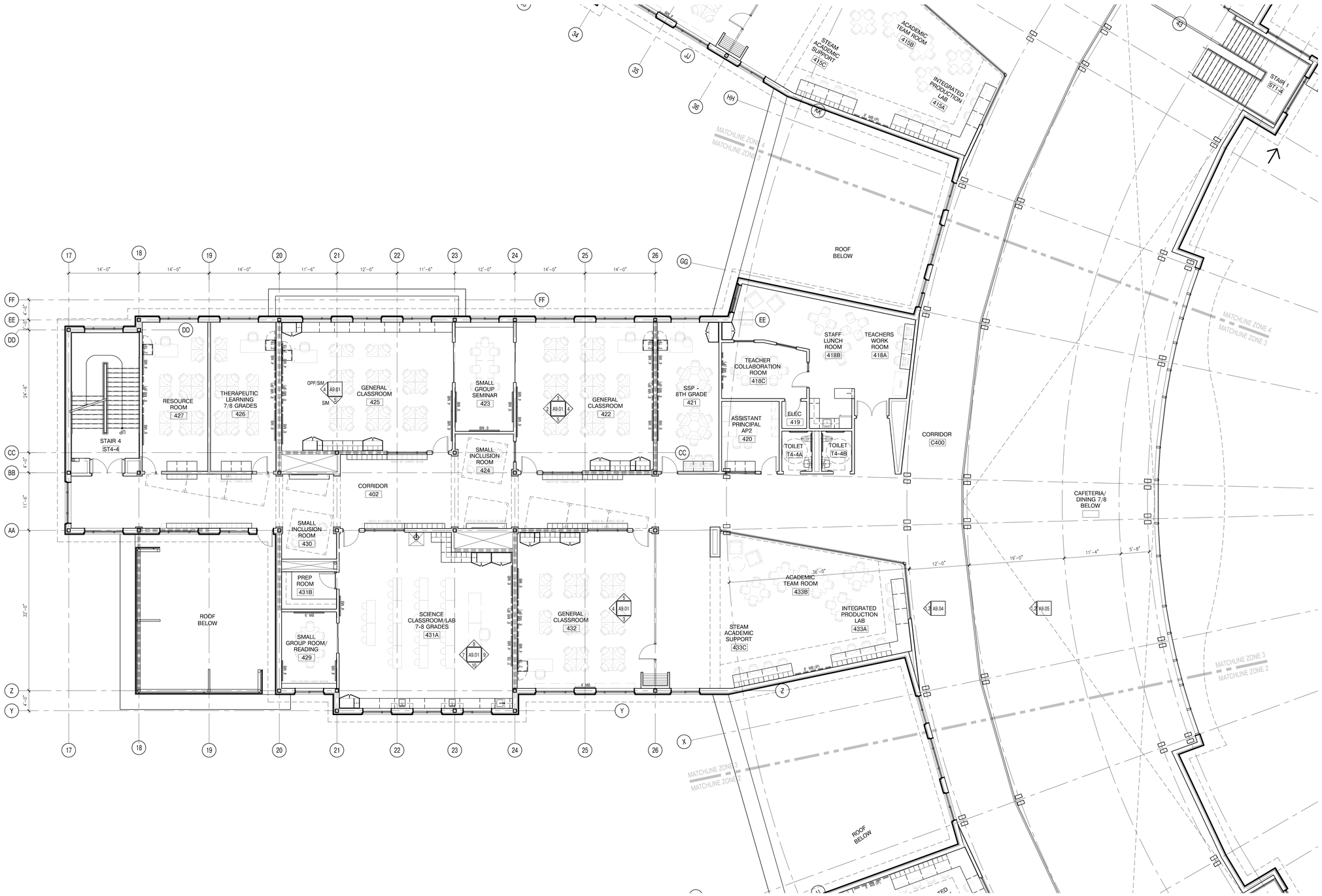
KEYPLAN



DRAWING NAME:

FOURTH FLOOR PLAN ZONE 2

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.42



1 FOURTH FLOOR PLAN - ZONE 3
1/8"=1'-0"

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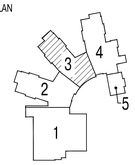
KEYNOTE LEGEND:

NORTH ARROW

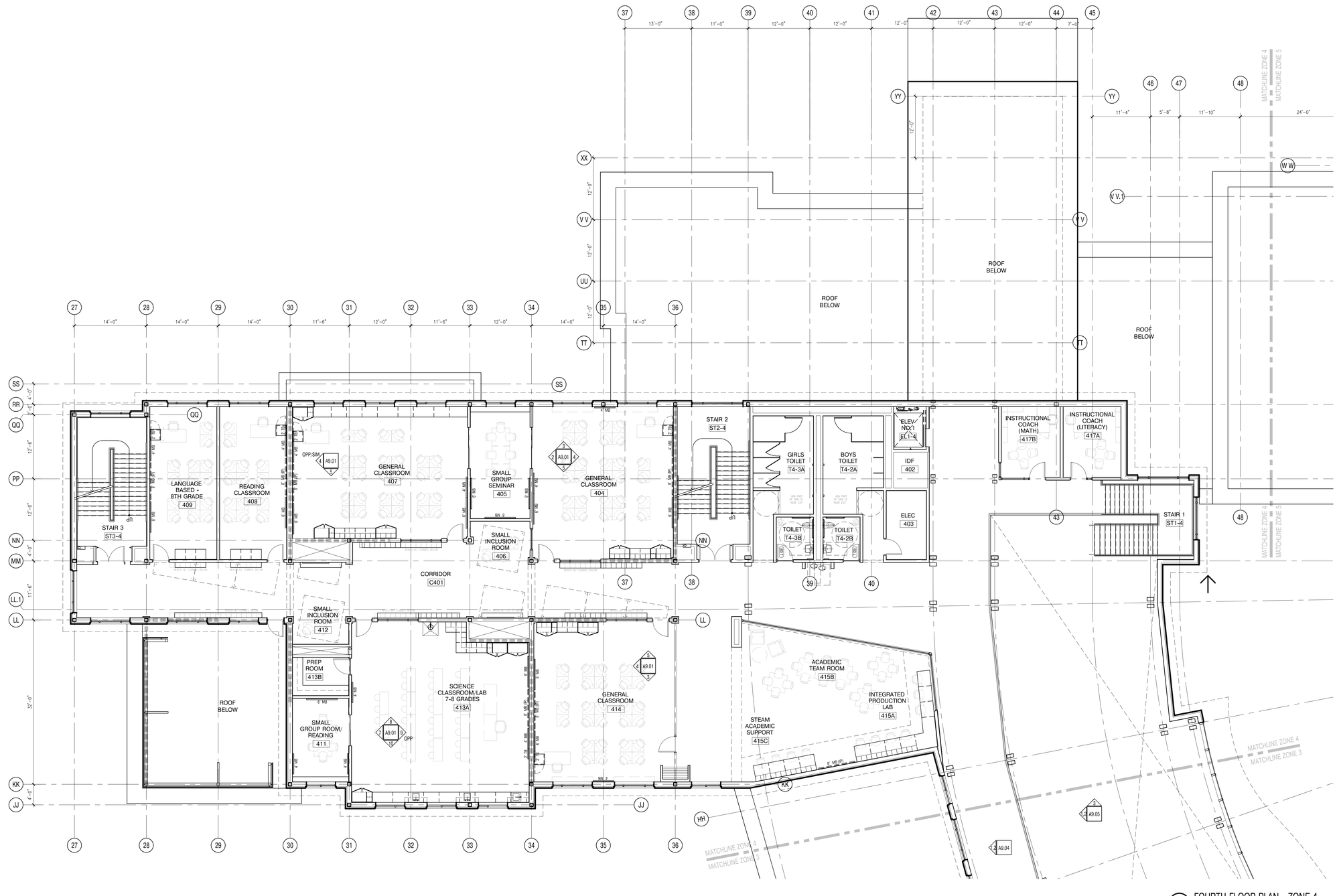
KEYPLAN



DRAWING NAME:

FOURTH FLOOR PLAN ZONE 3

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.43



1 FOURTH FLOOR PLAN - ZONE 4
1/8"=1'-0"

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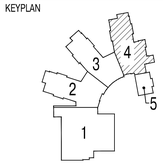
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

FOURTH FLOOR PLAN ZONE 4

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
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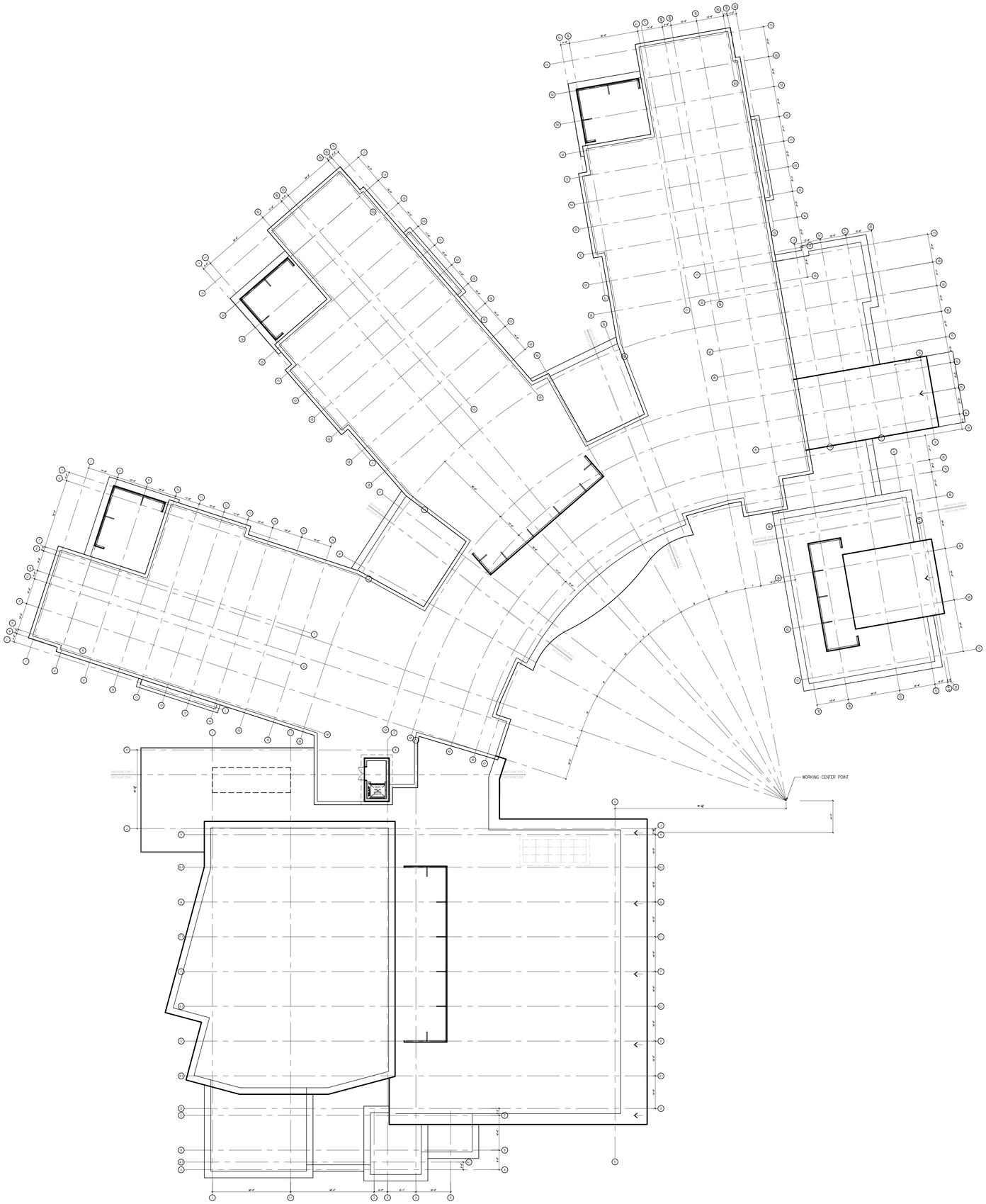

1 OVERALL ROOF PLAN
1:20

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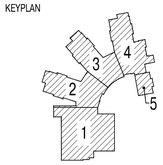
KEYNOTE LEGEND:

NORTH ARROW

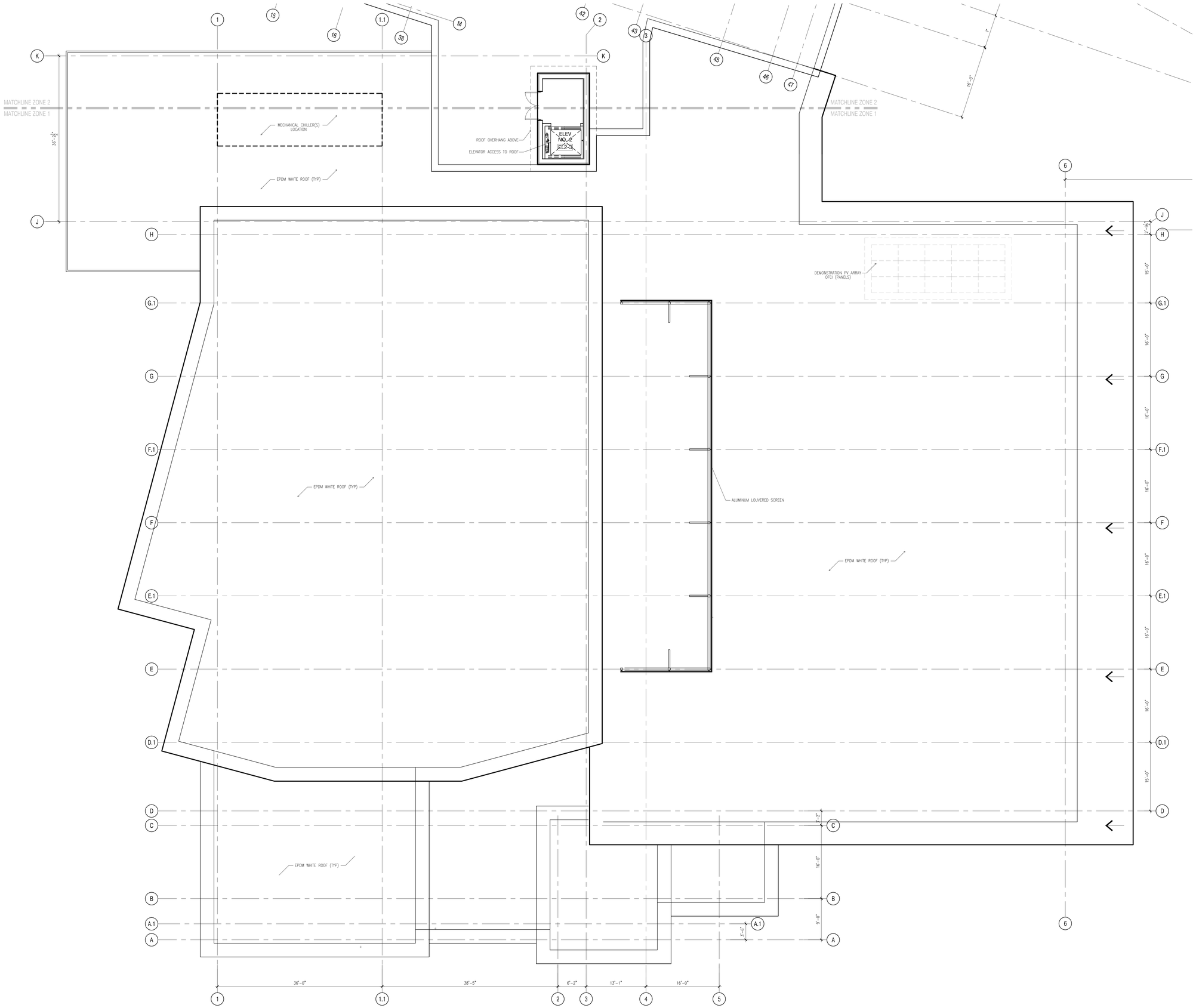
KEYPLAN



DRAWING NAME:

OVERALL ROOF PLAN

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.50



1 ROOF PLAN - ZONE 1
1/8"=1'-0"

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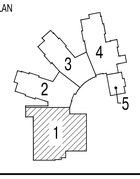
KEYNOTE LEGEND:

NORTH ARROW

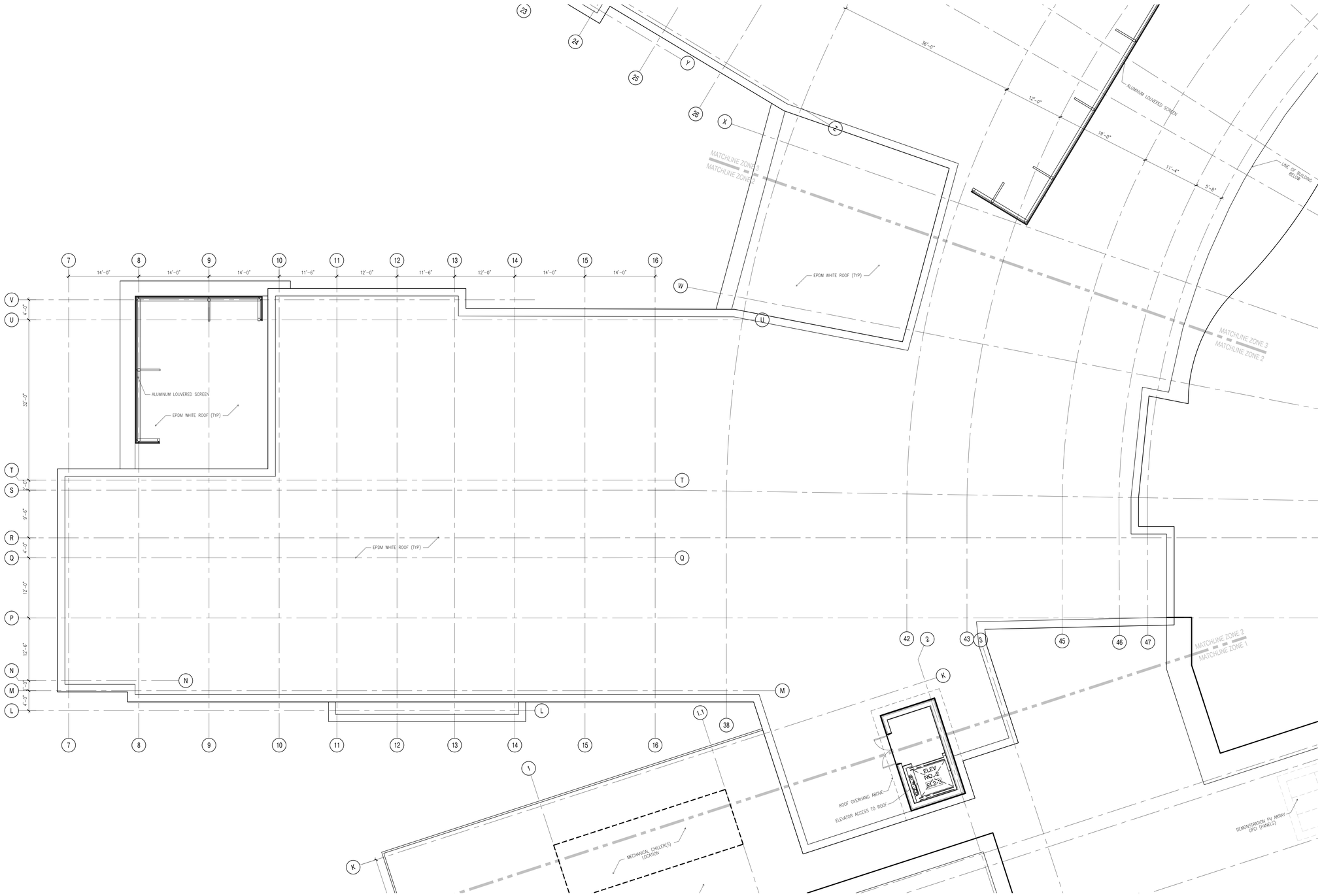
KEYPLAN



DRAWING NAME:

ROOF PLAN ZONE 1

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.51



1 ROOF PLAN - ZONE 2
1/8"=1'-0"

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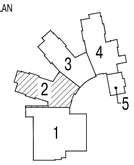
KEYNOTE LEGEND:

NORTH ARROW

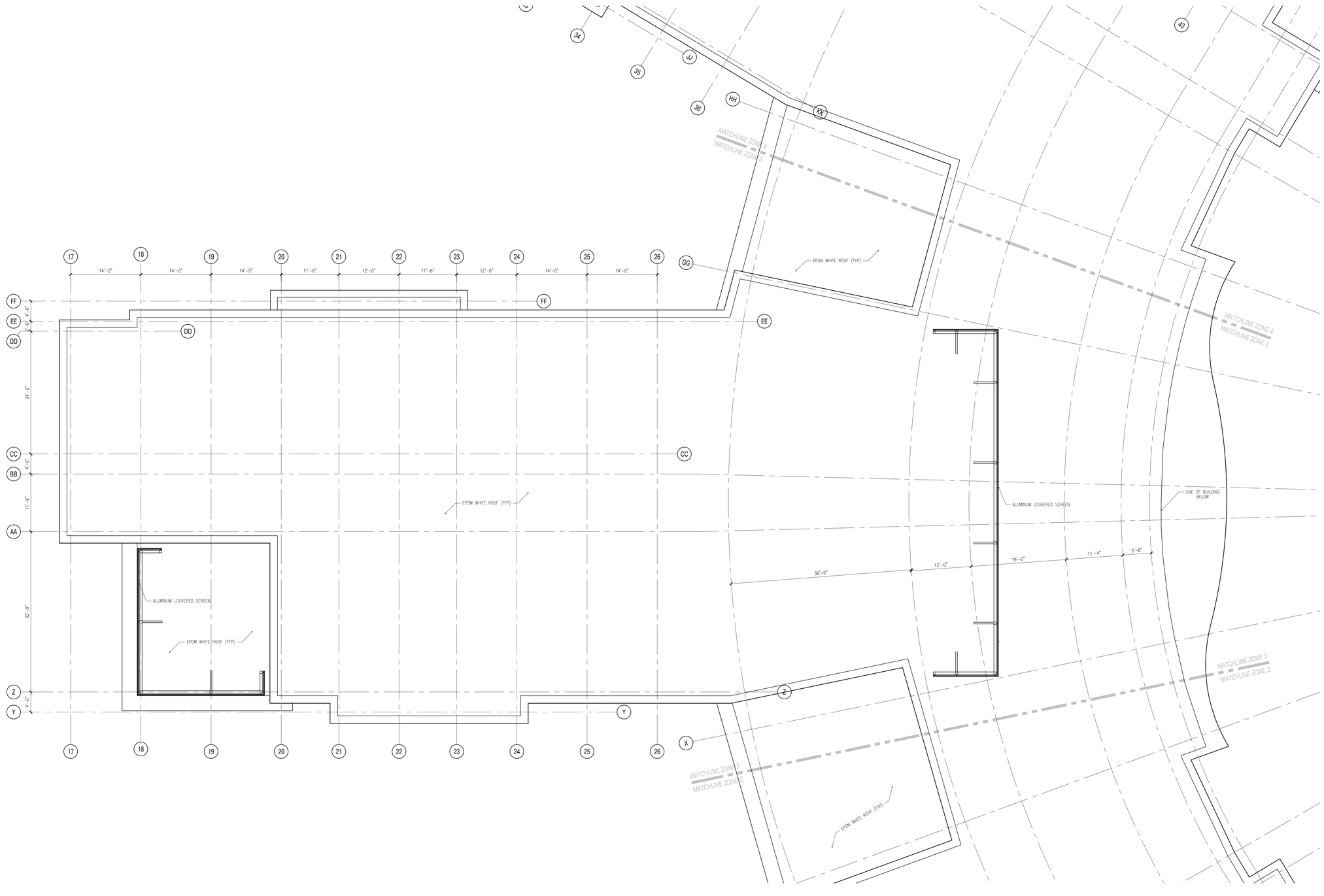
KEYPLAN



DRAWING NAME:

ROOF PLAN ZONE 2

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.52



1 ROOF PLAN - ZONE 3
1/8"=1'-0"

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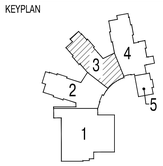
KEYNOTE LEGEND:

NORTH ARROW

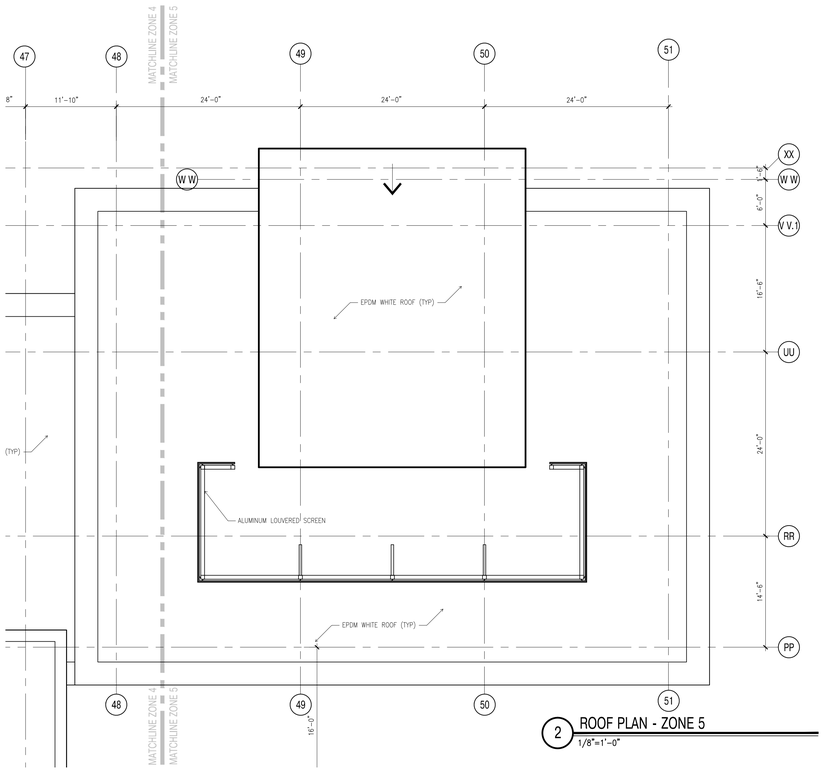
KEYPLAN



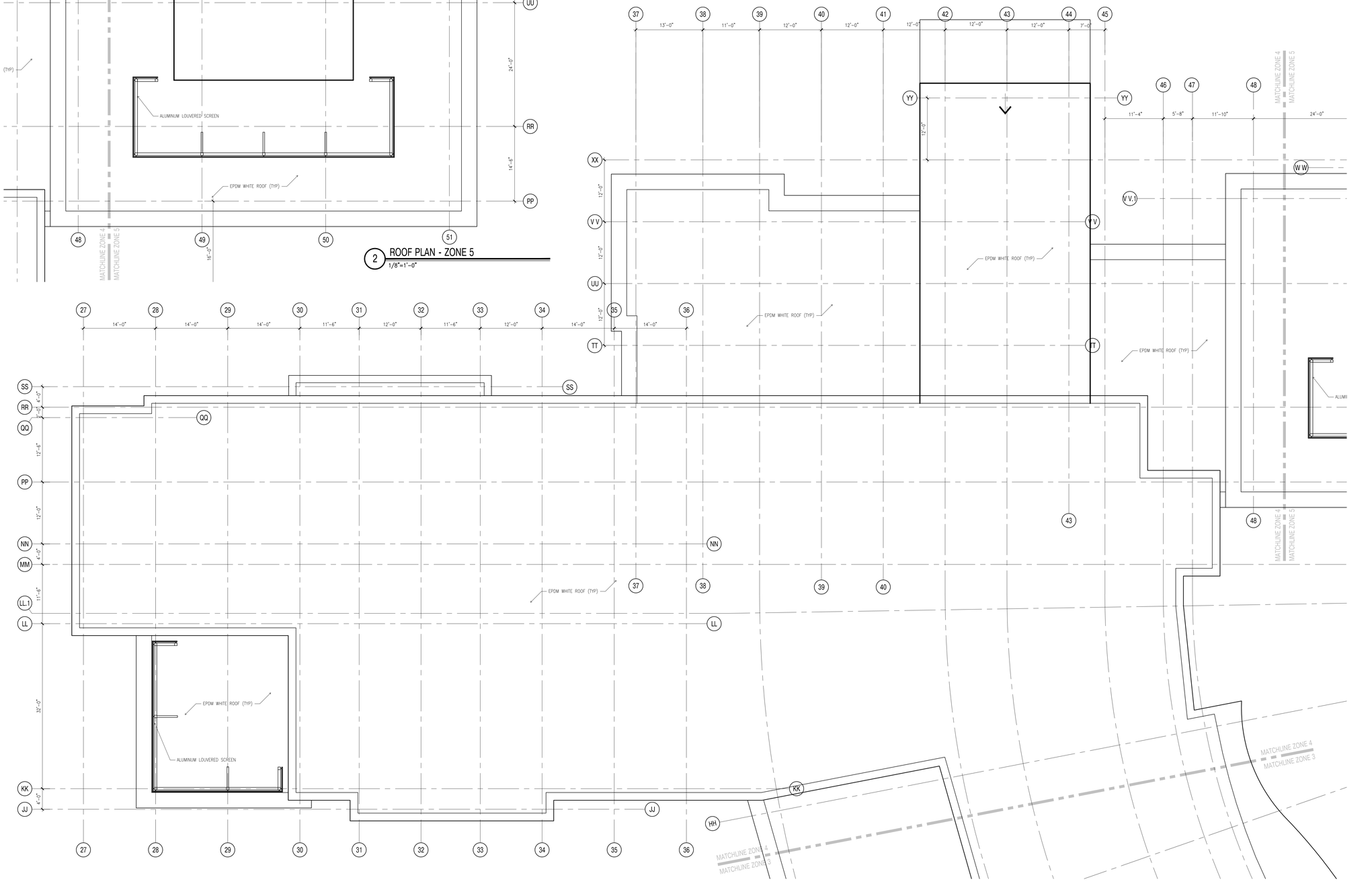
DRAWING NAME:

ROOF PLAN ZONE 3

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A1.53



2 ROOF PLAN - ZONE 5
1/8"=1'-0"



1 ROOF PLAN - ZONE 4
1/8"=1'-0"

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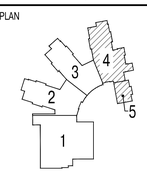
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN

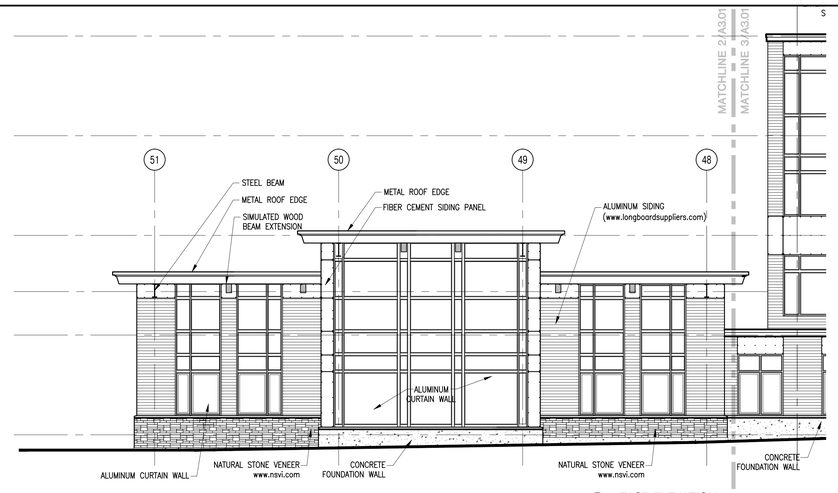


DRAWING NAME:

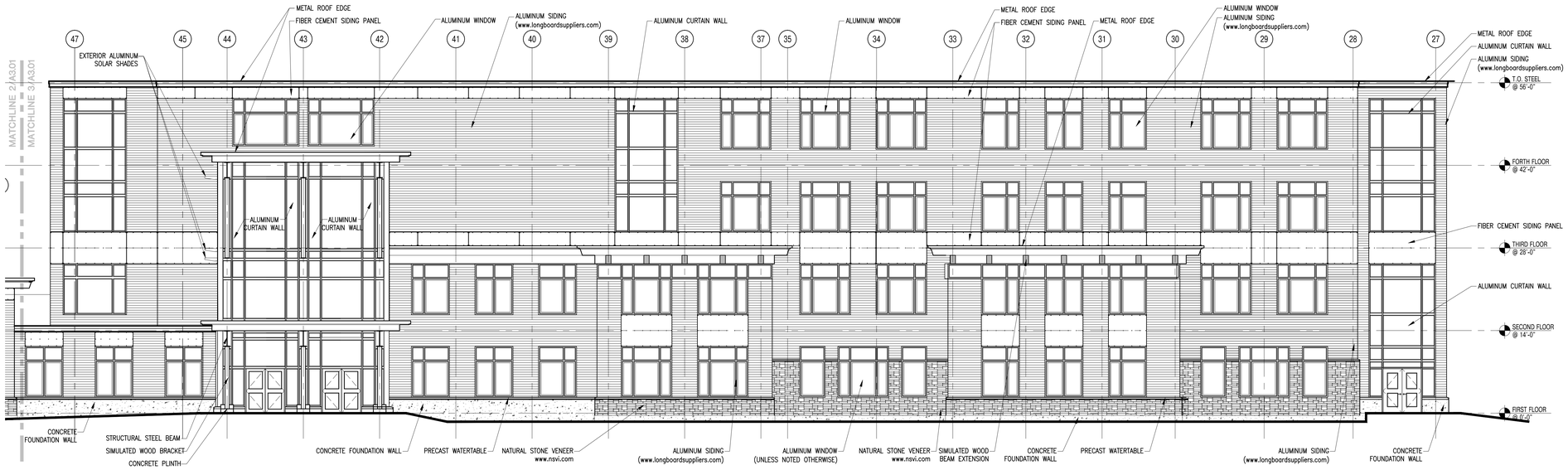
ROOF PLAN ZONES 4 & 5

DRAWN BY:	JMR
REVIEWED BY:	MB
SCALE: As Noted	DRAWING NUMBER:
JOB NO.: 1403.00	A1.54
DATE: Aug 6, 2015	

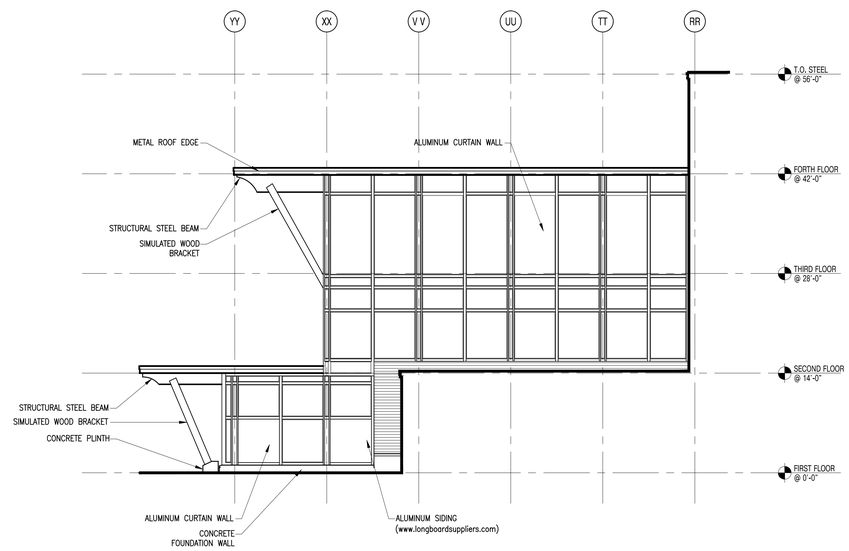
1 OVERALL EAST ELEVATION
1/16" = 1'-0"



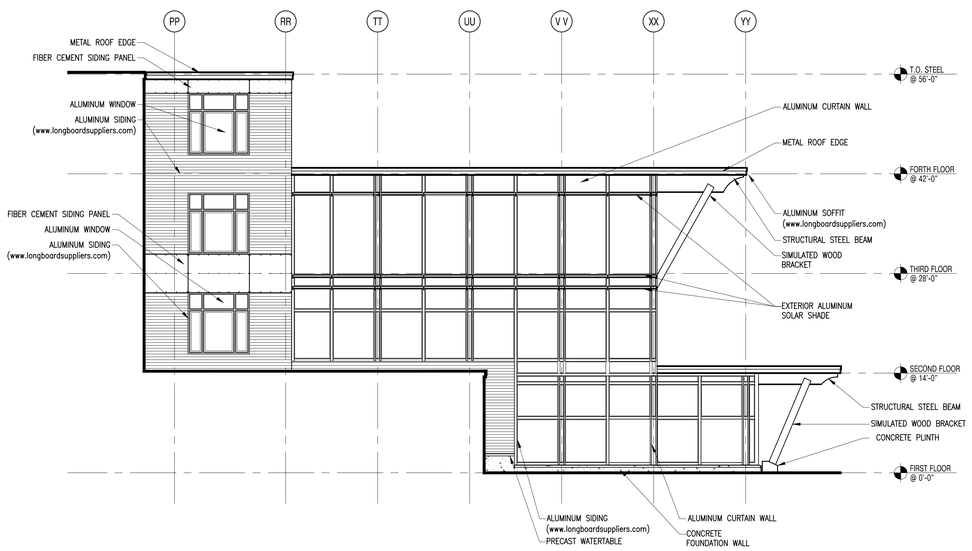
2 EAST ELEVATION
1/8" = 1'-0"



3 EAST ELEVATION
1/8" = 1'-0"



4 NORTH ELEVATION
1/8" = 1'-0"



5 SOUTH ELEVATION
1/8" = 1'-0"

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KEYNOTE LEGEND:

LEGEND

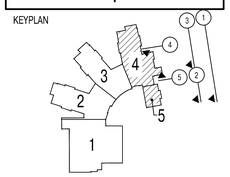
- CONCRETE FOUNDATION WALL
- 2" NATURAL STONE VENNER SEE SHEET AX.XX
- ALUMINUM SIDING
- FIBER CEMENT PANEL

GENERAL NOTES:

1. REFER TO DETAIL X/AX.XX FOR TYPICAL HORIZONTAL BOND BREAK IN VENEER BETWEEN CHANGES IN VENEER MATERIALS.
2. COORDINATE EXACT LOCATION OF SPEAKERS AND CAMERAS WITH ARCHITECT PRIOR TO INSTALLATION.

NORTH ARROW

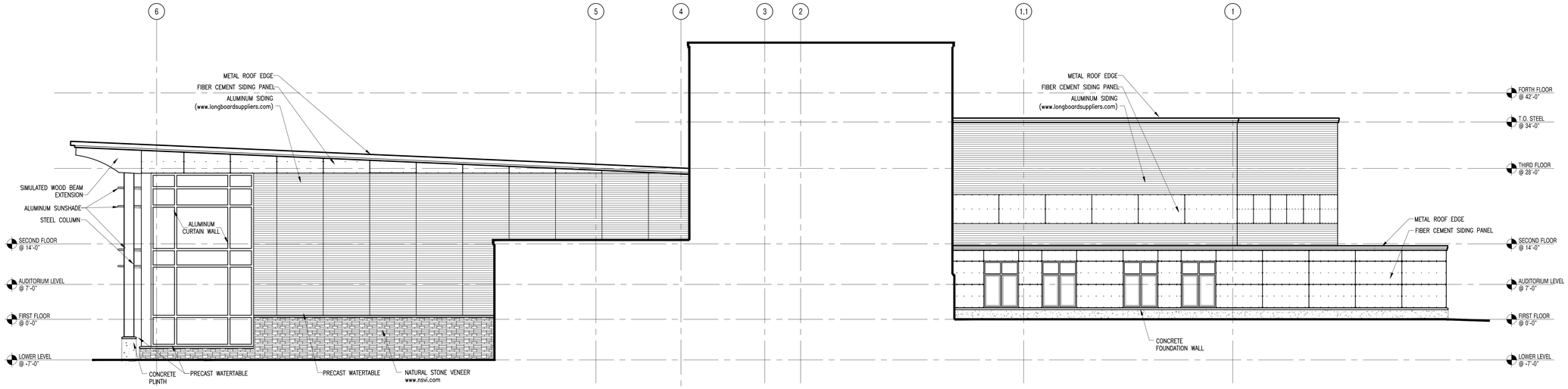
KEYPLAN



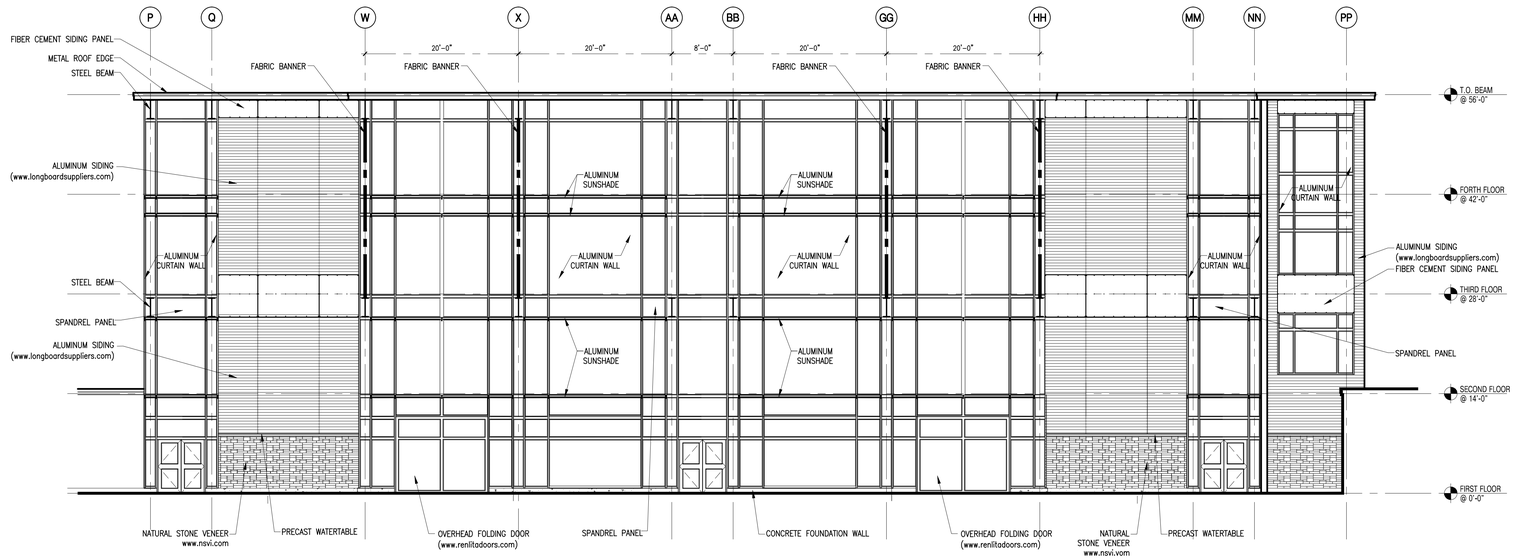
DRAWING NAME:

EXTERIOR ELEVATIONS

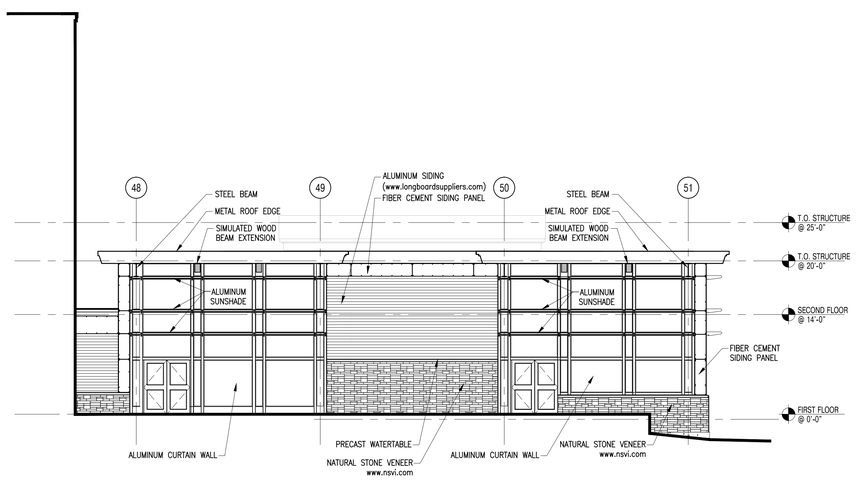
DRAWN BY:	MB/NC
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A3.01



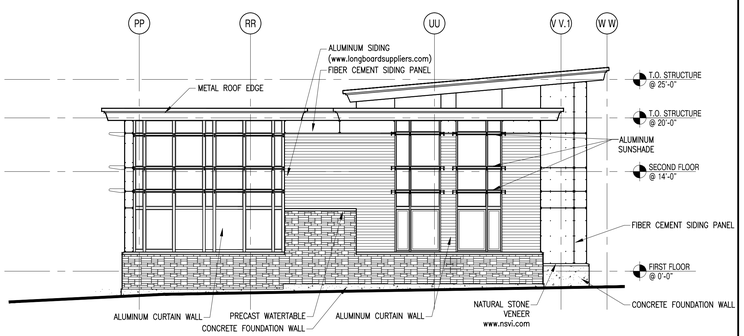
4 EXTERIOR ELEVATION
1/8" = 1'-0"



3 EXTERIOR ELEVATION
1/8" = 1'-0"



2 EXTERIOR ELEVATION
1/8" = 1'-0"



1 EXTERIOR ELEVATION
1/8" = 1'-0"

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KEYNOTE LEGEND:

LEGEND

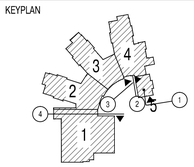
- CONCRETE FOUNDATION WALL
- 2" NATURAL STONE VENNER SEE SHEET AX.XX
- ALUMINUM SIDING
- FIBER CEMENT PANEL

GENERAL NOTES:

1. REFER TO DETAIL X/AX.XX FOR TYPICAL HORIZONTAL BOND BREAK IN VENEER BETWEEN CHANGES IN VENEER MATERIALS.
2. COORDINATE EXACT LOCATION OF SPEAKERS AND CAMERAS WITH ARCHITECT PRIOR TO INSTALLATION.

NORTH ARROW

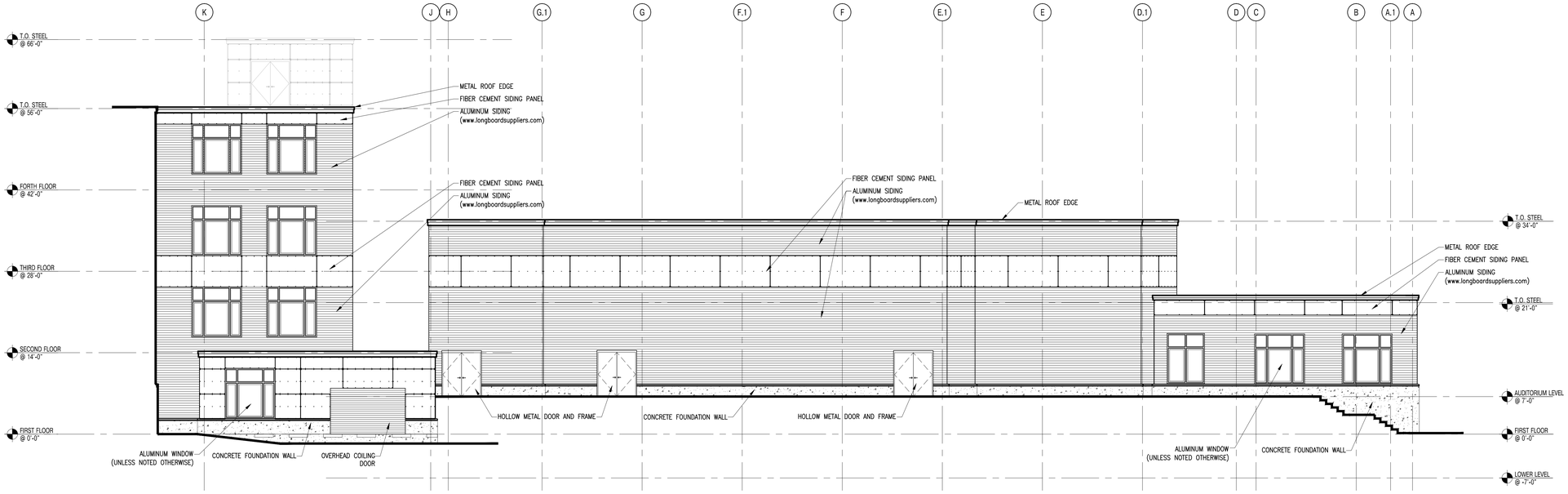
KEYPLAN



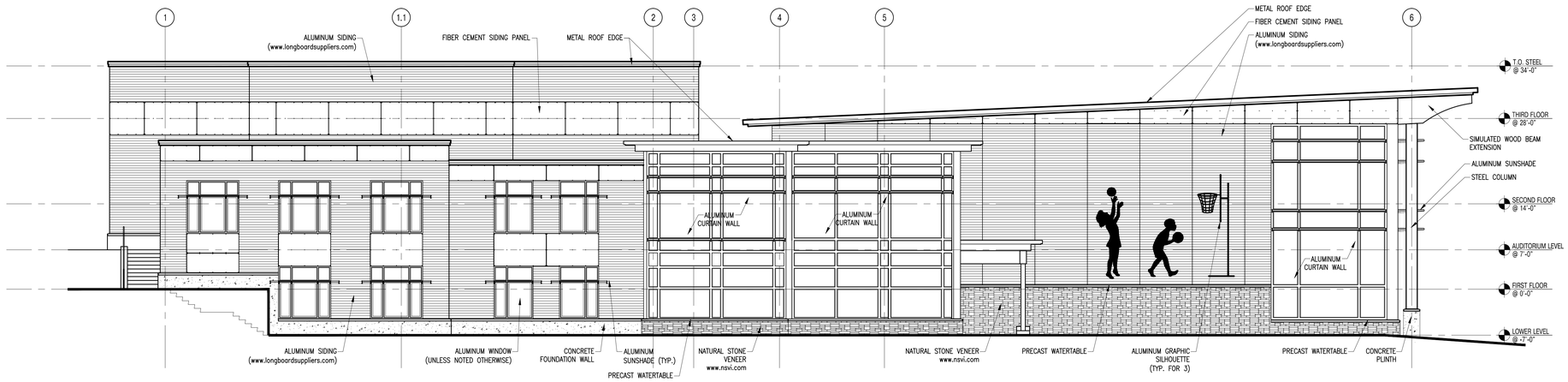
DRAWING NAME:

EXTERIOR ELEVATIONS

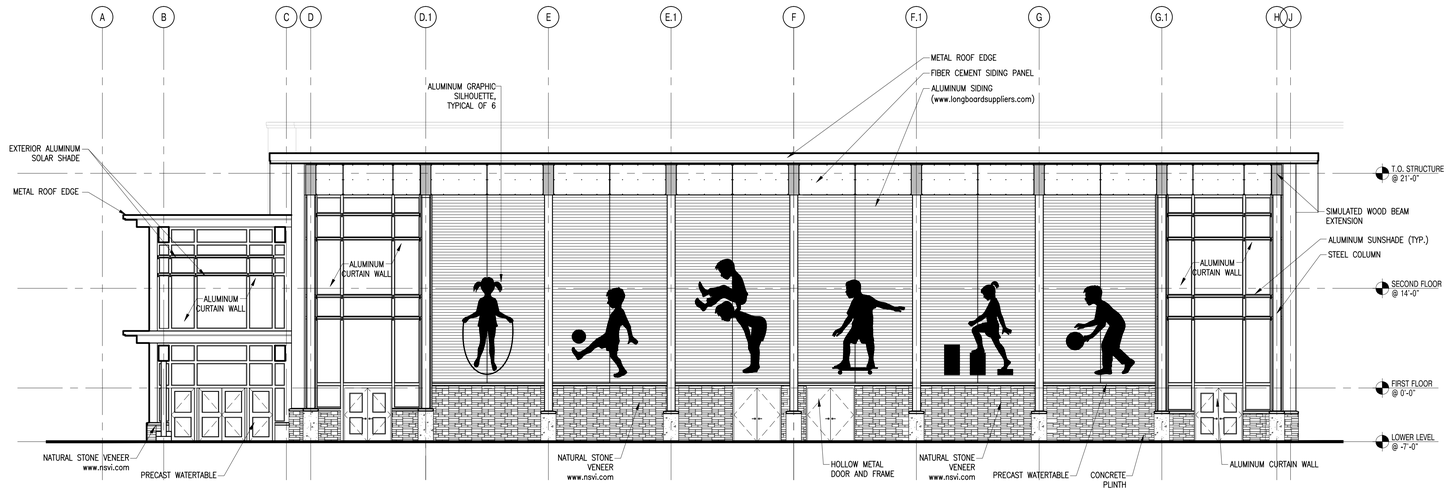
DRAWN BY:	MB/NC
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A3.02



3 NORTH-WEST ELEVATION
1/8" = 1'-0"



2 SOUTH-WEST ELEVATION
1/8" = 1'-0"



1 SOUTH-EAST ELEVATION
1/8" = 1'-0"

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KEYNOTE LEGEND:

LEGEND

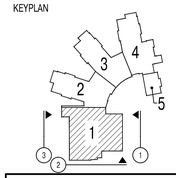
- CONCRETE FOUNDATION WALL
- 2" NATURAL STONE VENNER SEE SHEET AX.XX
- ALUMINUM SIDING
- FIBER CEMENT PANEL

GENERAL NOTES:

1. REFER TO DETAIL X/AX.XX FOR TYPICAL HORIZONTAL BOND BREAK IN VENEER BETWEEN CHANGES IN VENEER MATERIALS.
2. COORDINATE EXACT LOCATION OF SPEAKERS AND CAMERAS WITH ARCHITECT PRIOR TO INSTALLATION.

NORTH ARROW

KEYPLAN

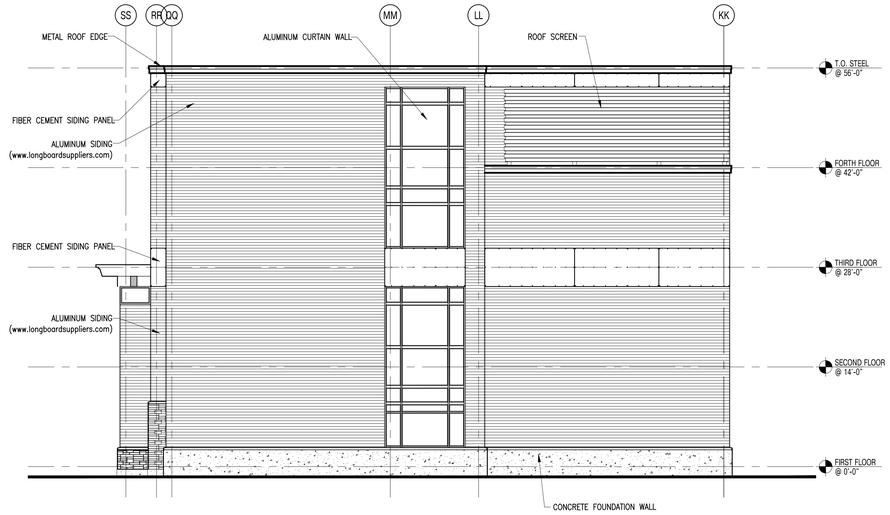


DRAWING NAME:

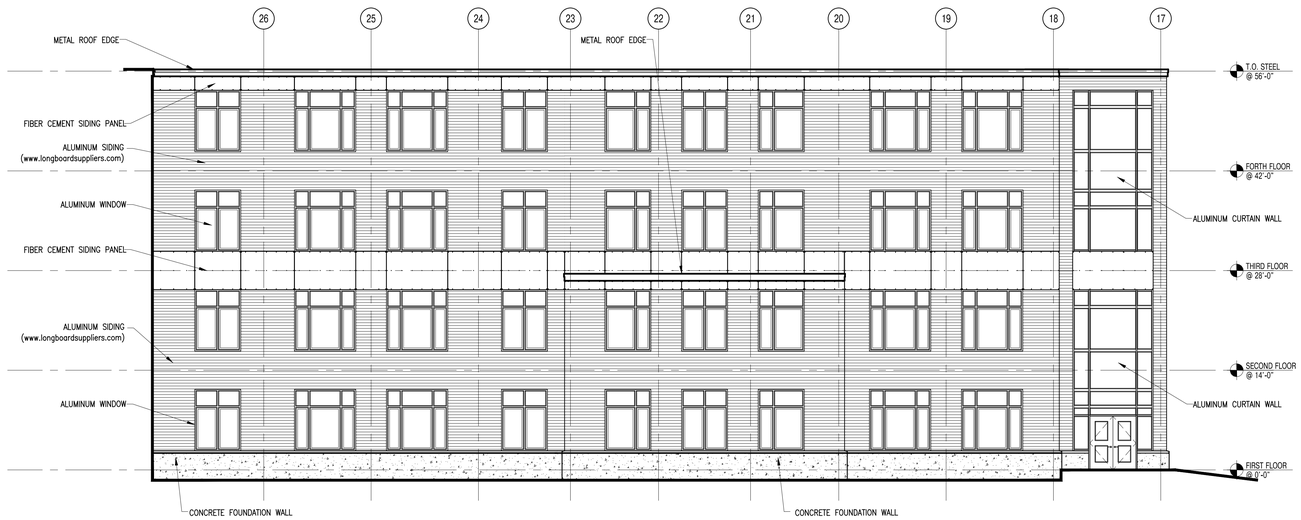
EXTERIOR ELEVATIONS

DRAWN BY:	MB/NC
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A3.03

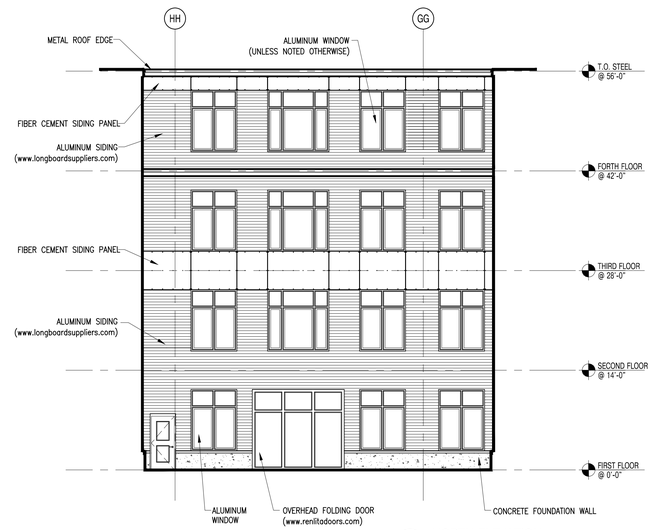
6 SOUTH ELEVATION
1/8" = 1'-0"



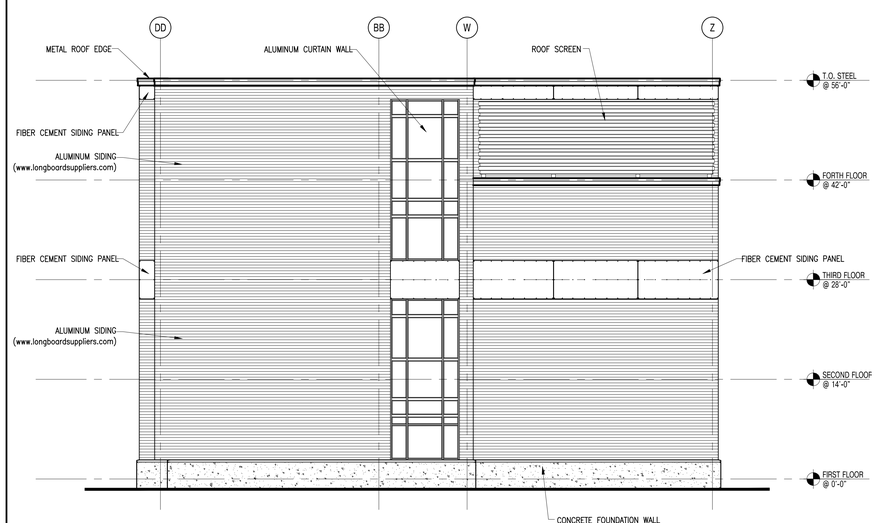
5 NORTH ELEVATION
1/8" = 1'-0"



4 EAST ELEVATION
1/8" = 1'-0"



3 NORTH ELEVATION
1/8" = 1'-0"



2 NORTH ELEVATION
1/8" = 1'-0"

1 WEST ELEVATION
1/8" = 1'-0"

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KEYNOTE LEGEND:

LEGEND

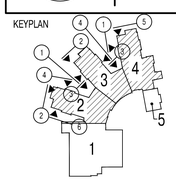
- CONCRETE FOUNDATION WALL
- 2" NATURAL STONE VENNER SEE SHEET AX.XX
- ALUMINUM SIDING
- FIBER CEMENT PANEL

GENERAL NOTES:

1. REFER TO DETAIL X/AX.XX FOR TYPICAL HORIZONTAL BOND BREAK IN VENEER BETWEEN CHANGES IN VENEER MATERIALS.
2. COORDINATE EXACT LOCATION OF SPEAKERS AND CAMERAS WITH ARCHITECT PRIOR TO INSTALLATION.

NORTH ARROW

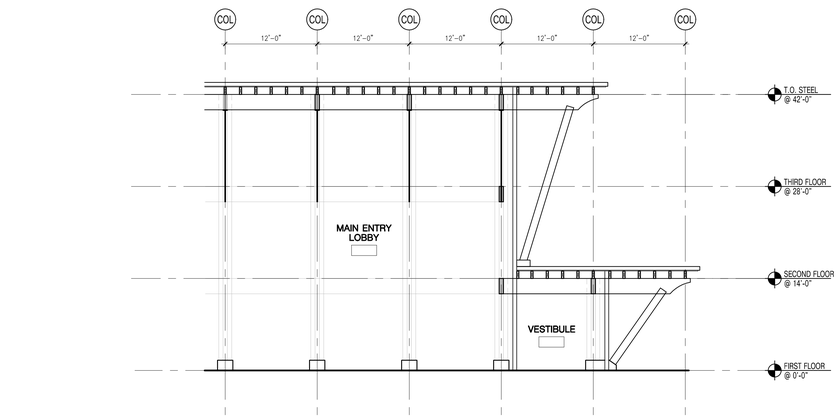
KEYPLAN



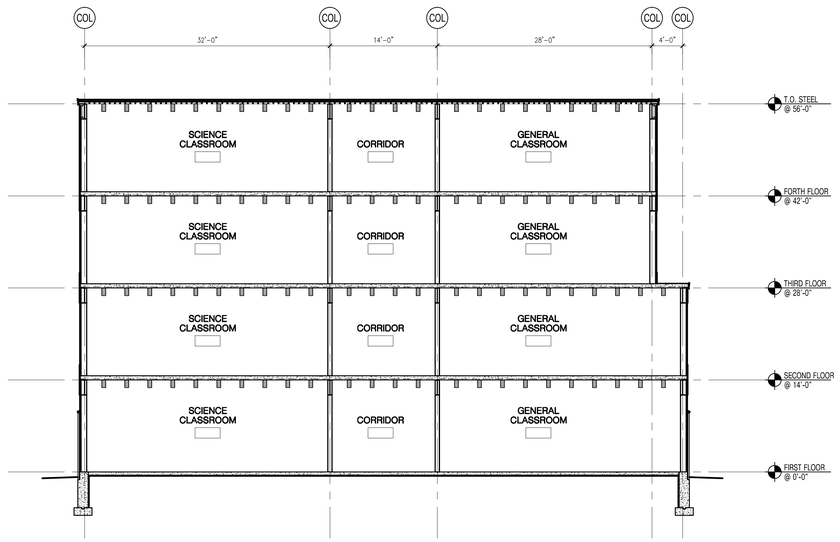
DRAWING NAME:

EXTERIOR ELEVATIONS

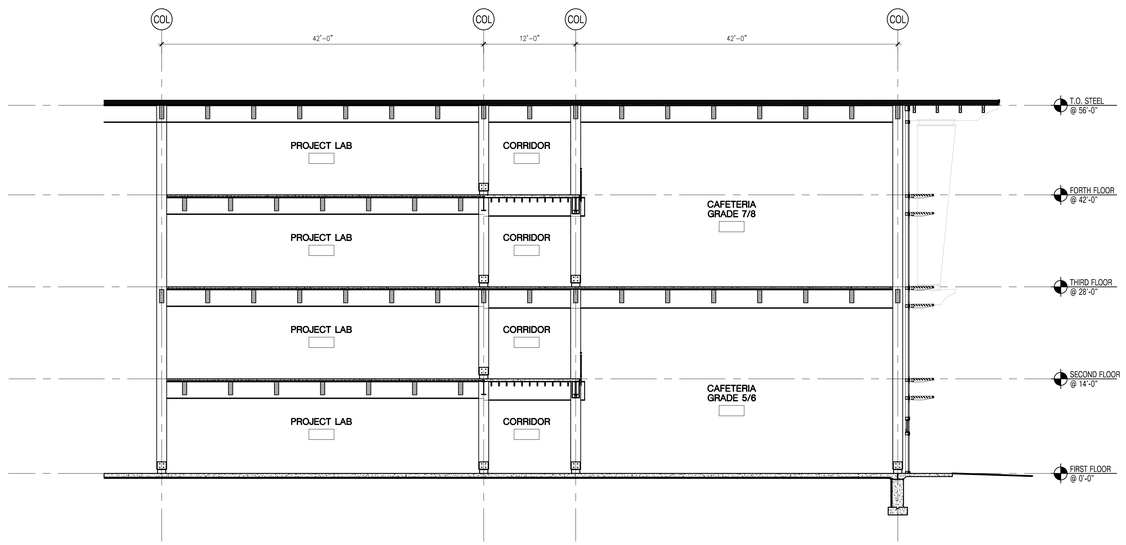
DRAWN BY:	MB/NC
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A3.04



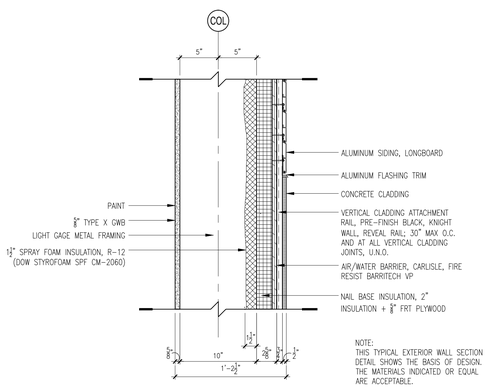
3 SECTION - MAIN ENTRY LOBBY
1/8" = 1'-0"



2 SECTION - ACADEMIC WING
1/8" = 1'-0"



1 SECTION - STUDENT DINING
1/8" = 1'-0"



NOTE:
THIS TYPICAL EXTERIOR WALL SECTION DETAIL SHOWS THE BASIS OF DESIGN. THE MATERIALS INDICATED OR EQUAL ARE ACCEPTABLE.

4 TYPICAL EXTERIOR WALL - SECTION DETAIL
1 1/2" = 1'-0"

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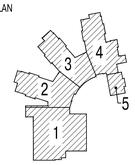
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

BUILDING SECTIONS

DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A4.01

ROOM FINISH SCHEDULE
FOURTH FLOOR

ROOM #	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALL MATERIAL N	E	S	W	CEILING MATERIAL	HEIGHT	NOTES
402	IDF	SCRF	RB	P	P	P	P	EXP MTL	12'-0"	
403	ELEC	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
404	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
405	SMALL GROUP SEMINAR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
406	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
407	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
408	READING CLASSROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
409	LANGUAGE BASED - 6TH GRADE	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
411	SMALL GROUP ROOM/READING	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
412	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
413A	SCIENCE CLASSROOM LAB 7/8 GRADES	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
413B	PREP ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
414	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
415A	INTEGRATED PRODUCTION LAB	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
415B	ACADEMIC TEAM ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
415C	STEAM ACADEMIC SUPPORT	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
417A	INSTRUCTIONAL COACH (LITERACY)	CPT	RB	P	P	P	P	EXP WOOD	12'-0"	
417B	INSTRUCTIONAL COACH (MATH)	CPT	RB	P	P	P	P	EXP WOOD	12'-0"	
418A	TEACHERS WORK ROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
418B	STAFF LUNCH ROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
418C	TEACHER COLLABORATION	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
419	ELEC	SCRF	RB	P	P	P	P	EXP MTL	12'-0"	
420	ASSISTANT PRINCIPAL OFFICE AP2	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
421	SSP - 6TH GRADE	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
422	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
423	SMALL GROUP SEMINAR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
424	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
425	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
426	THERAPEUTIC LEARNING 7/8 GRADES	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
427	RESOURCE ROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
429	SMALL GROUP ROOM/READING	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
430	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
431A	SCIENCE CLASSROOM LAB 7/8 GRADES	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
431B	PREP ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
432	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
433A	INTEGRATED PRODUCTION LAB	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
433B	ACADEMIC TEAM ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
433C	STEAM ACADEMIC SUPPORT	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
435A	INTEGRATED PRODUCTION LAB	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
435B	ACADEMIC TEAM ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
435C	STEAM ACADEMIC SUPPORT	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
436	GENERAL CLASSROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
437	SMALL GROUP ROOM/READING	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
438	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
439A	SCIENCE CLASSROOM LAB 7/8 GRADES	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
439B	PREP ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
441	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
442	SMALL GROUP SEMINAR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
443	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
444	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
445	READING CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
446	IDF	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
C400	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
C401	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
C402	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
C403	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
T4-2A	BOYS TOILET	CMT	RB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T4-2B	TOILET	CMT	RB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T4-3A	GIRLS TOILET	CMT	RB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T4-3B	TOILET	CMT	RB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T4-4A	TOILET	CMT	RB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T4-4B	TOILET	CMT	RB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T4-5A	BOYS TOILET	CMT	RB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T4-5B	TOILET	CMT	RB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T5-6A	GIRLS TOILET	CMT	RB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T4-6B	TOILET	CMT	RB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
ST1-4	STAIR 1	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST2-4	STAIR 2	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST3-4	STAIR 3	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST4-4	STAIR 4	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST5-4	STAIR 5	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST6-4	STAIR 6	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST7-4	STAIR 7	R	RB	P	P	P	P	EXP MTL	12'-0"	

FINISH LEGEND

APSC	ARCHITECTURAL POLISHED STAINED CONCRETE	AC	ACOUSTICAL CLOUD
CMT	CERAMIC MOSAIC TILE	ACT	ACOUSTICAL CEILING TILE
CMTB	CERAMIC MOSAIC TILE BASE	WP	SUSPENDED WOOD PANEL
CT	CERAMIC WALL TILE	WAB	WOOD ATHLETIC BASE
CPT	CARPET TILE	TFE	THIN FILM EPOXY FLOORING
RB	RUBBER BASE	MAT	ENTRY MATS
R	RUBBER FLOOR TILE	EXP WOOD	EXPOSED STIMULATED WOOD PLANK DECKING AND FRAMING
SCRF	STATIC-CONTROL RESILIENT FLOORING	EXP MTL	EXPOSED METAL DECK AND FRAMING
WAF	WOOD ATHLETIC FLOORING		
QT	QUARRY TILE		
P	PAINTED		

GENERAL NOTES

1. GENERAL CONTRACTOR TO COORDINATE ALL SLAB DEPRESSIONS AS REQUIRED WITH ALL FINISH FLOOR SYSTEMS AND MATERIALS SPECIFIED.
2. SPACES NOT LISTED SHALL RECEIVE THE SAME FINISHES AS SIMILAR FUNCTION SPACES.
3. " EXP " DENOTES EXPOSED TO VIEW STRUCTURAL STEEL, METAL DECK, FABRICATED METAL, DUCTWORK, PIPES & CONDUIT REQUIRED TO BE PAINTED.
4. EXPOSED CONCRETE FLOORS TO BE POLISHED.
5. REFER TO G0.01 GENERAL INFORMATION AND CODE ANALYSIS FOR CEMENTIOUS FIRE PROOFING LOCATIONS.
6. PROVIDE ACT RETENTION CLIPS AT ALL TOILET ROOMS, VESTIBULES & FIRE RATED SPACES.
7. AREAS DIRECTLY UNDER PERMANENT SEATING IN AUDITORIUM ARE TO BE CONC. PAINTED WITH EPOXY DECK ENAMEL. ALL OTHER AREAS TO BE CONCRETE.
8. PROVIDE CERAMIC TILE ON ALL WALLS OF GANG TOILET ROOMS. TILE TO RUN FROM FINISH FLOOR TO 6" MINIMUM ABOVE CEILING. PATTERN CONSISTS OF ONE BASE COLOR, ONE FIELD COLOR AND MIN. OF 2 ACCENT COLORS (UP TO 15% ACCENT).
9. STAGE FLOOR WILL BE PAINTED MASONITE BOARD, EXCEPT ON STAGE PERIMETER WHERE THE FLOOR PLAN IDENTIFIES A TRANSITION TO TRIP WOOD FLOORING.
10. FURNISH AND INSTALL RUBBER FLOORING AT ALL ELEVATORS, BY SECTION 09 65 23. PROVIDE SAME TYPE AND COLOR RUBBER FLOORING MATERIAL AS USED AT THE STAIR LANDINGS.
11. FURNISH AND INSTALL RUBBER FLOORING AT ALL ELEVATORS. PROVIDE SAME TYPE AND COLOR RUBBER FLOORING MATERIAL AS USED AT THE STAIR LANDINGS.

ROOM FINISH SCHEDULE
SECOND FLOOR CONTINUED

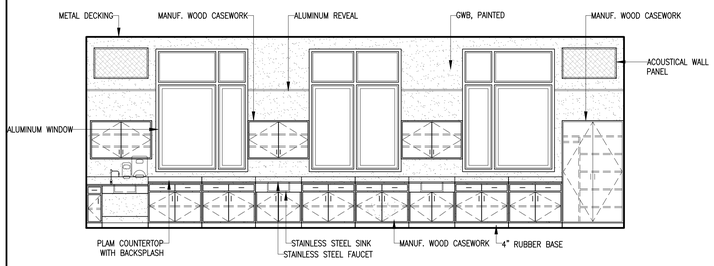
ROOM #	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALL MATERIAL N	E	S	W	CEILING MATERIAL	HEIGHT	NOTES
201D	EXAMINATION ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
201E	EXAMINATION ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
201F	NURSE STOREROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
202	ELEV NO. 1 EQUIP	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
203	IDF	SCRF	RB	P	P	P	P	EXP MTL	12'-0"	
204	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
205	SMALL GROUP SEMINAR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
206	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
207	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
208	READING CLASSROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
209	LANGUAGE BASED - 6TH GRADE	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
210	LANGUAGE CLASSROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
211	SMALL GROUP ROOM/READING	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
212	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
213A	SCIENCE CLASSROOM LAB 5/6 GRADES	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
213B	PREP ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
214	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
215A	INTEGRATED PRODUCTION LAB	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
215B	ACADEMIC TEAM ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
215C	STEAM ACADEMIC SUPPORT	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
217A	GUIDANCE MEETING	CPT	RB	P	P	P	P	EXP WOOD	12'-0"	
217B	SPED CONFERENCE ROOM	CPT	RB	P	P	P	P	EXP WOOD	12'-0"	
218A	TEACHERS WORK ROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
218B	STAFF LUNCH ROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
218C	TEACHER COLLABORATION ROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
219	ELEC	SCRF	RB	P	P	P	P	EXP MTL	12'-0"	
220	ASSISTANT PRINCIPAL OFFICE AP1	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
221	SSP - 6TH GRADE	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
222	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
223	SMALL GROUP SEMINAR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
224	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
225	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
226	LEARNING CENTER - 5/6	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
227	SBI ELA	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
228A	READING CLASSROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
228B	READING CLASSROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
229	SMALL GROUP ROOM/READING	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
230	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
231A	SCIENCE CLASSROOM LAB 5/6 GRADES	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
231B	PREP ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
232	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
233A	INTEGRATED PRODUCTION LAB	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
233B	ACADEMIC TEAM ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
233C	STEAM ACADEMIC SUPPORT	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
235A	INTEGRATED PRODUCTION LAB	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
235B	ACADEMIC TEAM ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
235C	STEAM ACADEMIC SUPPORT	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
236	LANGUAGE CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
237	SMALL GROUP ROOM/READING	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
238	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
239A	SCIENCE CLASSROOM LAB 5/6 GRADES	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
239B	PREP ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
240	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
241	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
242	SMALL GROUP SEMINAR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
243	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
244	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
245	IDF	SCRF	RB	P	P	P	P	EXP MTL	12'-0"	
246A	SPED RECEPTION	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
246B	SPED CONFERENCE ROM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
246C	SPEECH TESTING	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
246D	OT/PT	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
246E	SPECIAL EDUCATION CHAIR OFFICE	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
C200A	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
C200	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
C201	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
C202	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
C203	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
T2-1	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T2-2A	BOYS TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T2-2B	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T2-3A	GIRLS TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T2-3B	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T2-4A	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T2-4B	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T2-5A	BOYS TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T2-5B	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T2-6A	GIRLS TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T2-6B	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
ST1-2	STAIR 1	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST2-2	STAIR 2	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST3-2	STAIR 3	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST4-2	STAIR 4	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST5-2	STAIR 5	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST6-2	STAIR 6	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST7-2	STAIR 7	R	RB	P	P	P	P	EXP MTL	12'-0"	

ROOM FINISH SCHEDULE
THIRD FLOOR

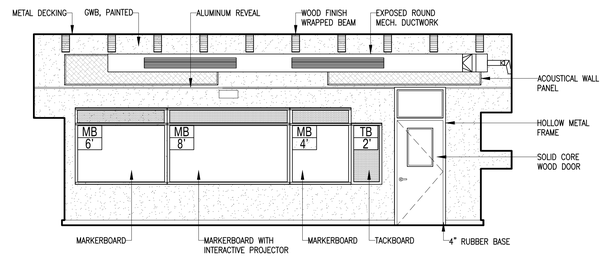
ROOM #	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALL MATERIAL N	E	S	W	CEILING MATERIAL	HEIGHT	NOTES
302	IDF	SCRF	RB	P	P	P	P	EXP MTL	12'-0"	
303	CUSTODIAL	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
304	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
305	SMALL GROUP SEMINAR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
306	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
307	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
308	ELL - ENGLISH LANGUAGE LEARNERS	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
309	LANGUAGE BASED - 7TH GRADE	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
310	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
311	SMALL GROUP ROOM/READING	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
312	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
313A	SCIENCE CLASSROOM LAB 7/8 GRADES	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
313B	PREP ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
314	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
315A	INTEGRATED PRODUCTION LAB	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
315B	ACADEMIC TEAM ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
315C	STEAM ACADEMIC SUPPORT	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
316	MULTIMEDIA & VIDEO APPLICATIONS LAB	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
317A	CAFETERIA DINING 7-8 GRADES	APSC	RB	P	P	P	P	EXP WOOD	24'-0"	
317B	MEDIA READING AREA	APSC	RB	P	P	P	P	EXP WOOD	24'-0"	
317C	MEDIA READING AREA	APSC	RB	P	P	P	P	EXP WOOD	24'-0"	
317D	SCHOOL ADJUSTMENT COUNSELOR	CPT	RB	P	P	P	P	EXP WOOD	12'-0"	
317E	SCHOOL ADJUSTMENT COUNSELOR	CPT	RB	P	P	P	P	EXP WOOD	12'-0"	
318A	TEACHERS WORK ROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
318B	STAFF LUNCH ROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
318C	TEACHER COLLABORATION	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
319	IDF	SCRF	RB	P	P	P	P	EXP MTL	12'-0"	
320	ASSISTANT PRINCIPAL OFFICE AP2	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
321	SSP - 7TH GRADE	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
322	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
323	SMALL GROUP SEMINAR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
324	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
325	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
326	SPED LEARNING CENTER 7/8	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
327	SBI MATH	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
328	READING CLASSROOM	CPT	RB	P	P	P	P	EXP MTL	12'-0"	
329	SMALL GROUP ROOM/READING	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
330	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
331A	SCIENCE CLASSROOM LAB 7/8 GRADES	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
331B	PREP ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
332	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
333A	INTEGRATED PRODUCTION LAB	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
333B	ACADEMIC TEAM ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
333C	STEAM ACADEMIC SUPPORT	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
334A	ART CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	24'-0"	
334B	ART WORKROOM W/ STORAGE	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
335A	INTEGRATED PRODUCTION LAB	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
335B	ACADEMIC TEAM ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
335C	STEAM ACADEMIC SUPPORT	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
336	LANGUAGE CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
337	SMALL GROUP ROOM/READING	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
338	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
339A	SCIENCE CLASSROOM LAB 7/8 GRADES	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
339B	PREP ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
340	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
341	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
342	SMALL GROUP ROOM/READING	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
343	SMALL INCLUSION ROOM	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
344	GENERAL CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
345	KITCHEN	TFE	TFE	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
346	CHAIR/TABLE/EQUIPMENT STORAGE	TFE	TFE	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
C300	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
C301	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
C302	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
C303	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL/WP	12'-0"	
T3-2A	BOYS TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T3-2B	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T3-3A	GIRLS TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T3-3B	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T3-4A	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T3-4B	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T3-5A	BOYS TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T3-5B	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T3-6A	GIRLS TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
T3-6B	TOILET	CMT	CMTB	EP,CT	EP,CT	EP,CT	EP,CT	EXP MTL	12'-0"	
ST1-3	STAIR 1	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST2-3	STAIR 2	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST3-3	STAIR 3	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST4-3	STAIR 4	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST5-3	STAIR 5	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST6-3	STAIR 6	R	RB	P	P	P	P	EXP MTL	12'-0"	
ST7-3	STAIR 7	R	RB	P	P	P	P	EXP MTL	12'-0"	

ROOM FINISH SCHEDULE
LOWER FLOOR

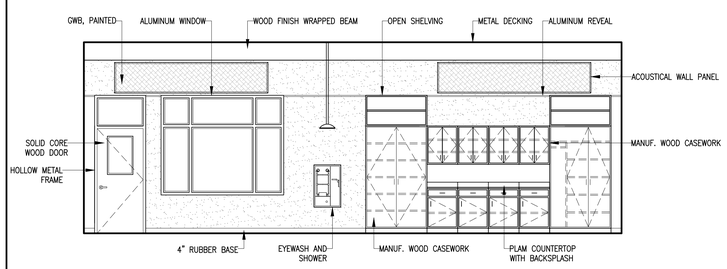
ROOM #	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALL MATERIAL N	E	S	W	CEILING MATERIAL	HEIGHT	NOTES
L01	ELEV NO. 3 EQUIP	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
L02	SELF-CONTAINED SPED	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
L03	HEALTH CLASSROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
L04	CUSTODIAL	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
L05	IDF	SCRF	RB	P	P	P	P	EXP MTL	12'-0"	
L06	GIRLS LOCKER ROOM	APSC	RB	EP	EP	EP	EP	EXP MTL	12'-0"	
L07	HEALTH INSTRUCTOR OFFICE	APSC	RB	EP	EP	EP	EP	EXP MTL	12'-0"	
L08	GYM STOREROOM	APSC	RB	EP	EP	EP	EP	EXP MTL	12'-0"	
L09	GYM STOREROOM	APSC	RB	EP	EP	EP	EP	EXP MTL	12'-0"	
L10	HEALTH INSTRUCTOR OFFICE	APSC	RB	EP	EP	EP	EP	EXP MTL	12'-0"	
L11	BOYS LOCKER ROOM	APSC	RB	EP	EP	EP	EP	EXP MTL	12'-0"	
L12	MAIN ELEC	APSC	RB	EP	EP	EP	EP	EXP MTL	12'-0"	
L13	MECH ROOM	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
L14A	GYMNASIUM	WAB	RB	P	P	P	P	EXP MTL	24'-0" MIN./SLOPED	
L14B	GYMNASIUM	WAB	RB	P	P	P	P	EXP MTL	24'-0" MIN./SLOPED	
CL01A	LOWER LOBBY VESTIBULE	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
CL01	LOWER LOBBY	APSC	RB	P	P	P	P	EXP MTL	24'-0"	
CL02	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
CL03	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
CL04	CORRIDOR	APSC	RB	P	P	P	P	EXP MTL	12'-0"	
TL-1A	GIRLS TOILET	CMT	CMTB	EP/CT	EP/CT	EP/CT	EP/CT	EXP MTL	12'-0"	
TL-1B	TOILET	CMT	CMTB	EP/CT	EP/CT	EP/CT	EP/CT	EXP MTL	12'-0"	
TL-2A	BOYS TOILET	CMT	CMTB	EP/CT	EP/CT	EP/CT	EP/CT	EXP MTL	12'-0"	
TL-2B	TOILET	CMT	CMTB	EP/CT	EP/CT	EP/CT	EP/CT	EXP MTL	12'-0"	
TL-3	TOILET	CMT	CMTB	EP/CT	EP/CT	EP/CT	EP/CT	EXP MTL	12'-0"	
TL-4	TOILET	CMT	CMTB	EP/CT	EP/CT	EP/CT	EP/CT	EXP MTL	12'-0"	
TL-5	TOILETS	CMT	CMTB	EP/CT	EP/CT	EP/CT	EP/CT	EXP MTL	12'-0"	
TL-



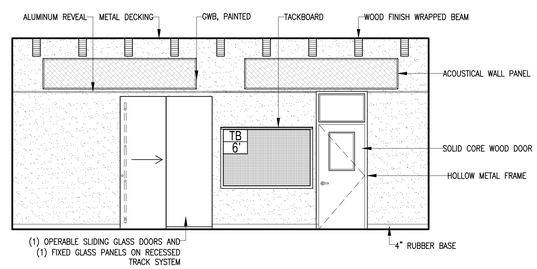
10 TYPICAL SCIENCE CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



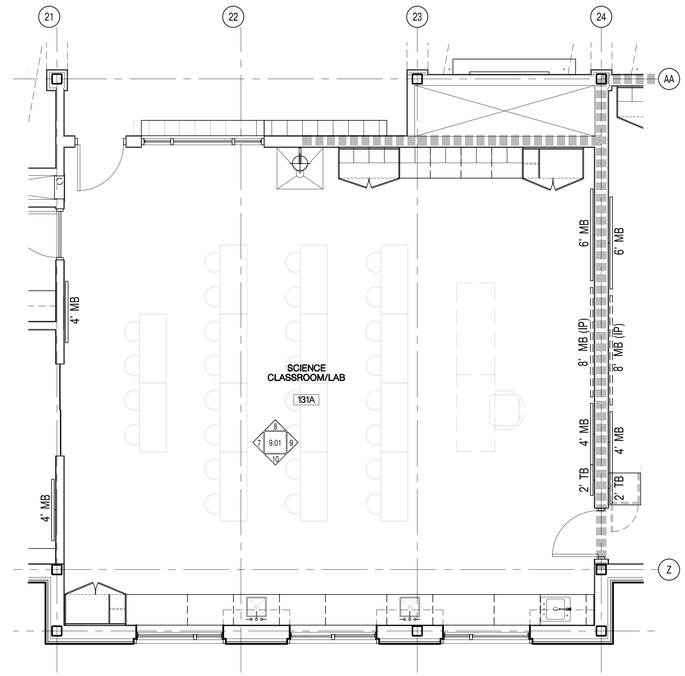
9 TYPICAL SCIENCE CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



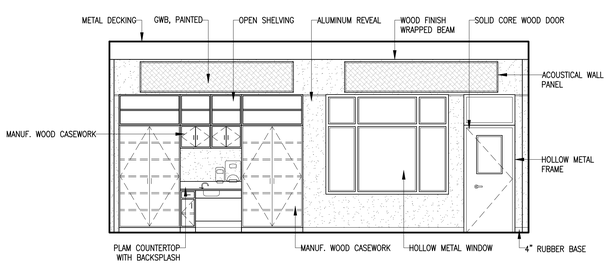
8 TYPICAL SCIENCE CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



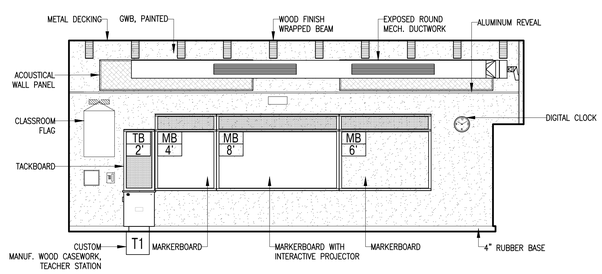
7 TYPICAL SCIENCE CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



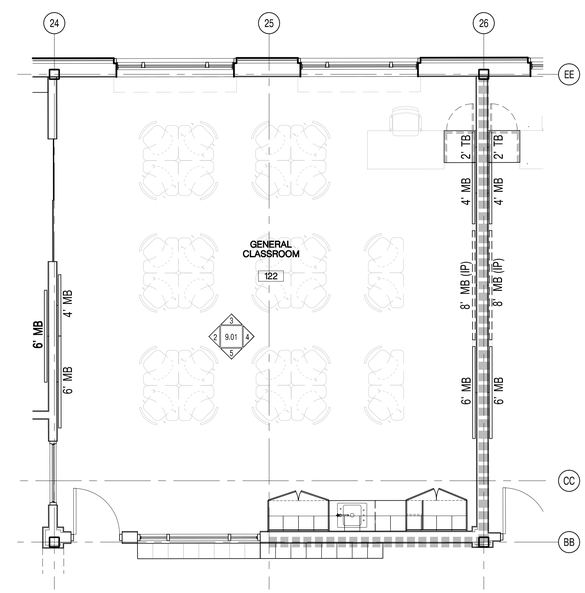
6 TYPICAL SCIENCE CLASSROOM ENLARGED PLAN
1/4" = 1'-0"



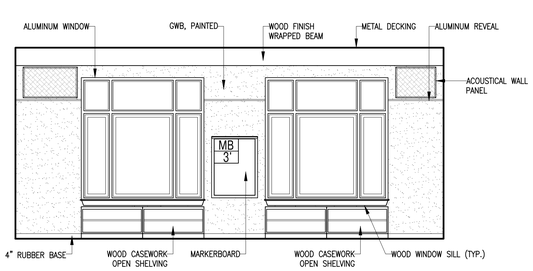
5 TYPICAL CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



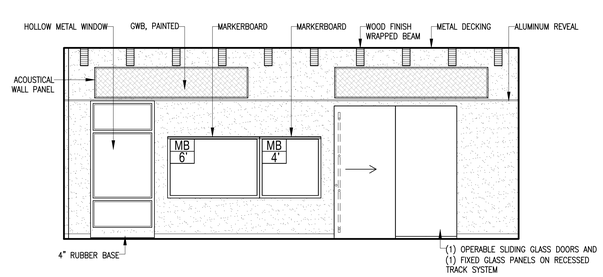
4 TYPICAL CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



1 TYPICAL CLASSROOM ENLARGED PLAN
1/4" = 1'-0"



3 TYPICAL CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



2 TYPICAL CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"

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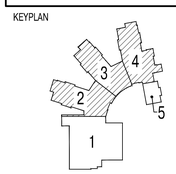
BEVERLY MIDDLE SCHOOL

CABOT STREET
BEVERLY, MA 01915

KEYNOTE LEGEND:

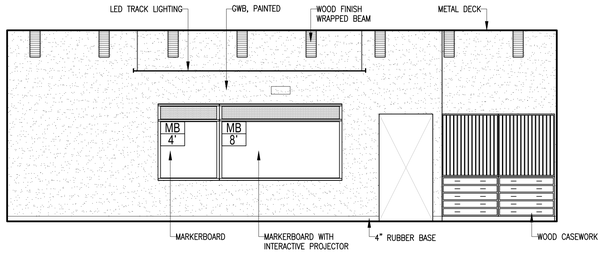
NORTH ARROW

KEYPLAN

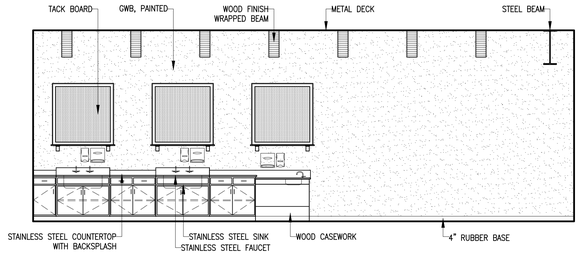


DRAWING NAME:
TYPICAL GENERAL & SCIENCE CLASSROOM PLANS & ELEVATIONS

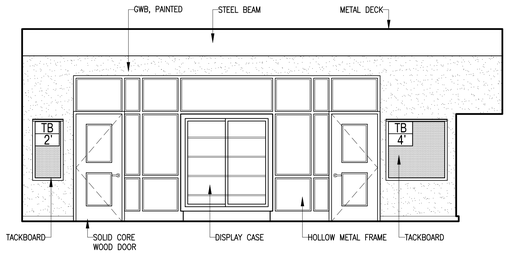
DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A9.01



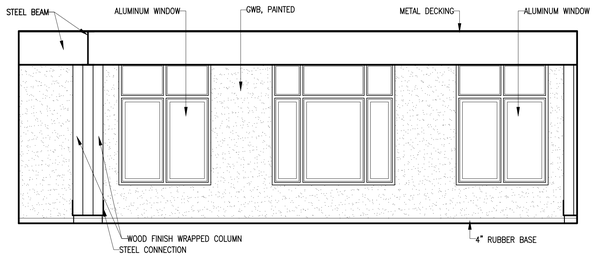
10 GRADE 7/8 ART CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



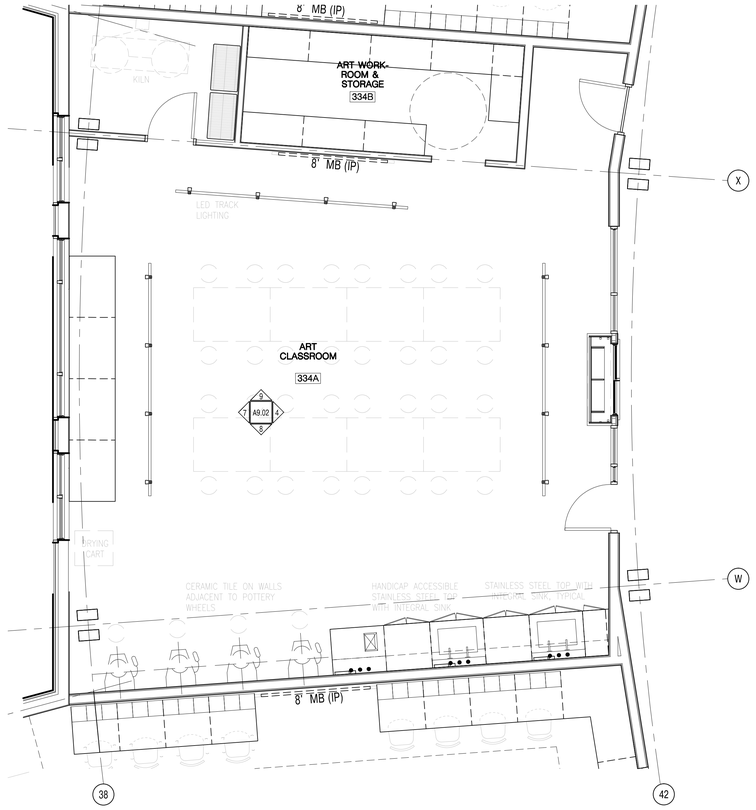
8 GRADE 7/8 ART CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



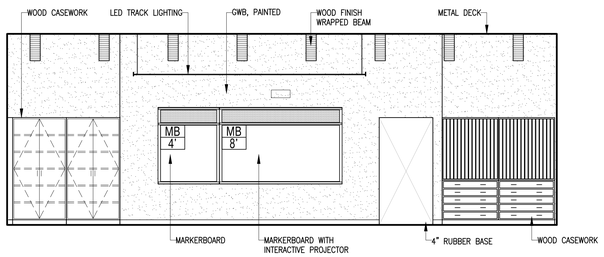
9 GRADE 7/8 ART CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



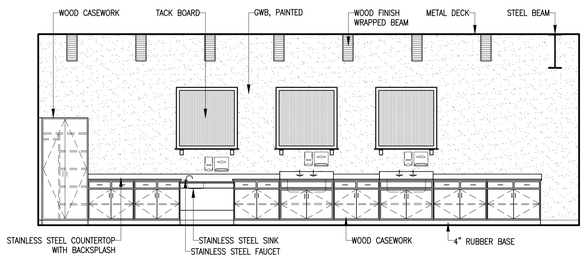
7 GRADE 7/8 ART CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



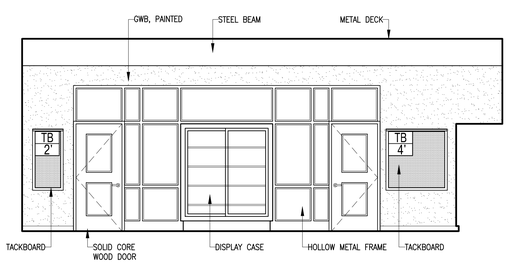
6 GRADE 7/8 ART CLASSROOM ENLARGED PLAN
1/4" = 1'-0"



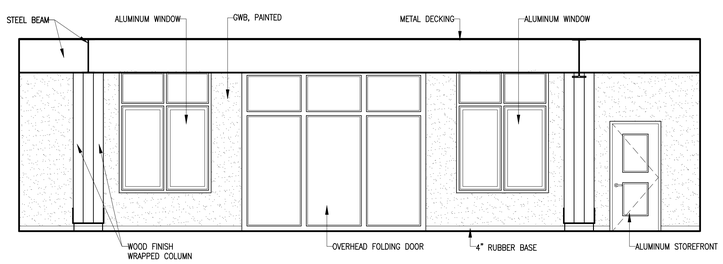
5 GRADE 5/6 ART CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



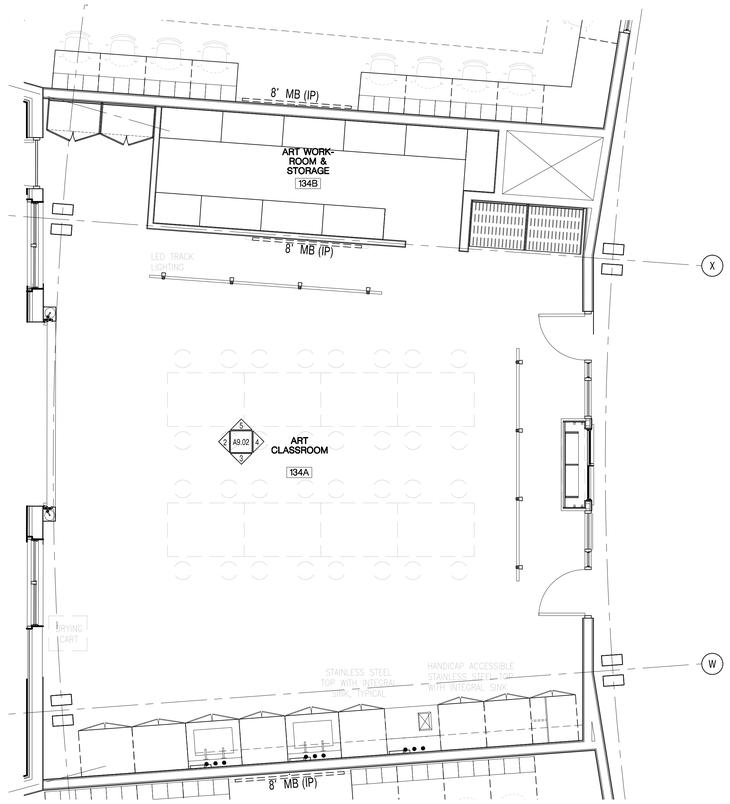
3 GRADE 5/6 ART CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



4 GRADE 5/6 ART CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



2 GRADE 5/6 ART CLASSROOM INTERIOR ELEVATION
1/4" = 1'-0"



1 GRADE 5/6 ART CLASSROOM ENLARGED PLAN
1/4" = 1'-0"

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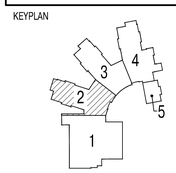
KEYNOTE LEGEND:

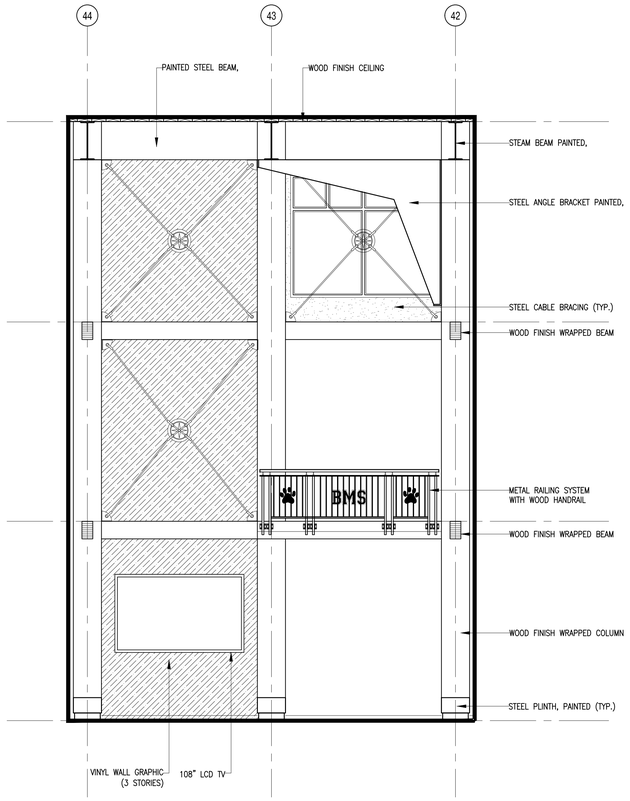
NORTH ARROW

KEYPLAN

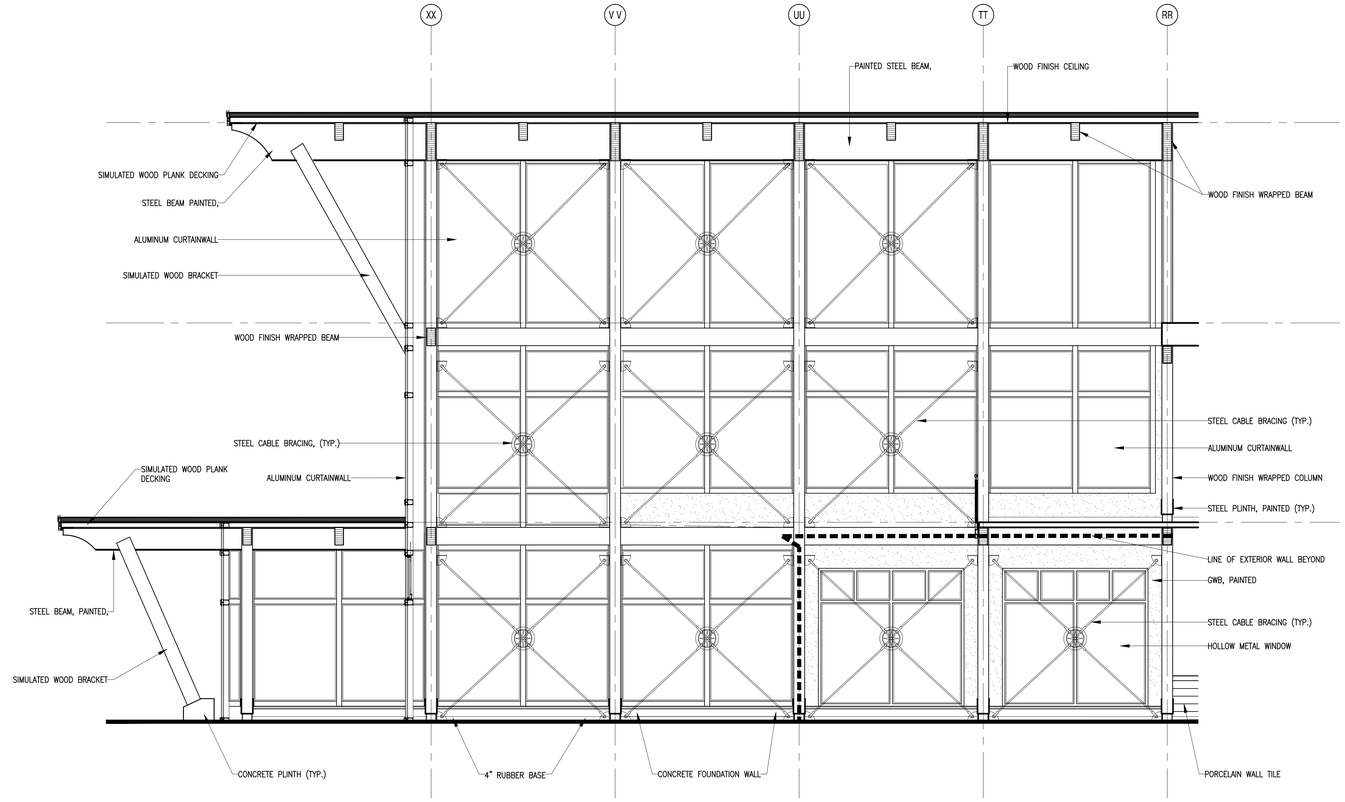


DRAWING NAME:
ART CLASSROOM ENLARGED PLAN AND ELEVATIONS

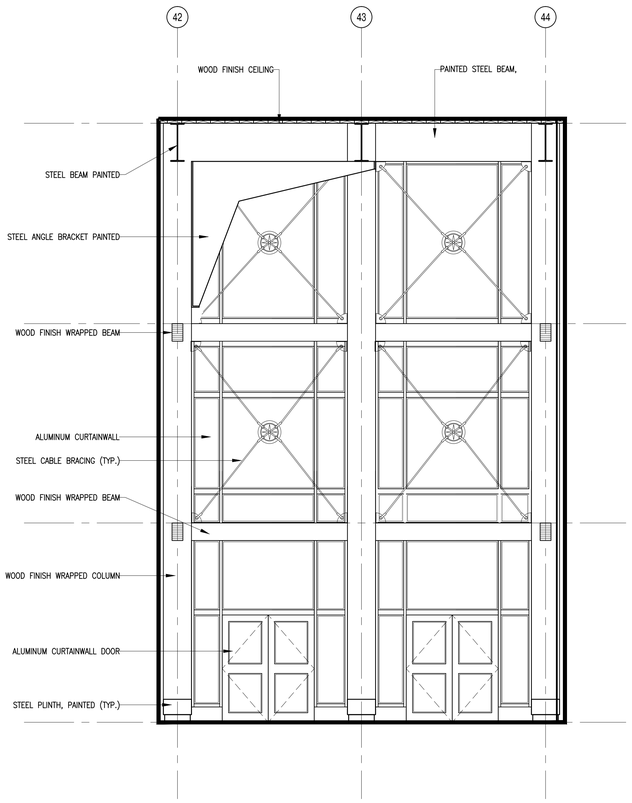
DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A9.02



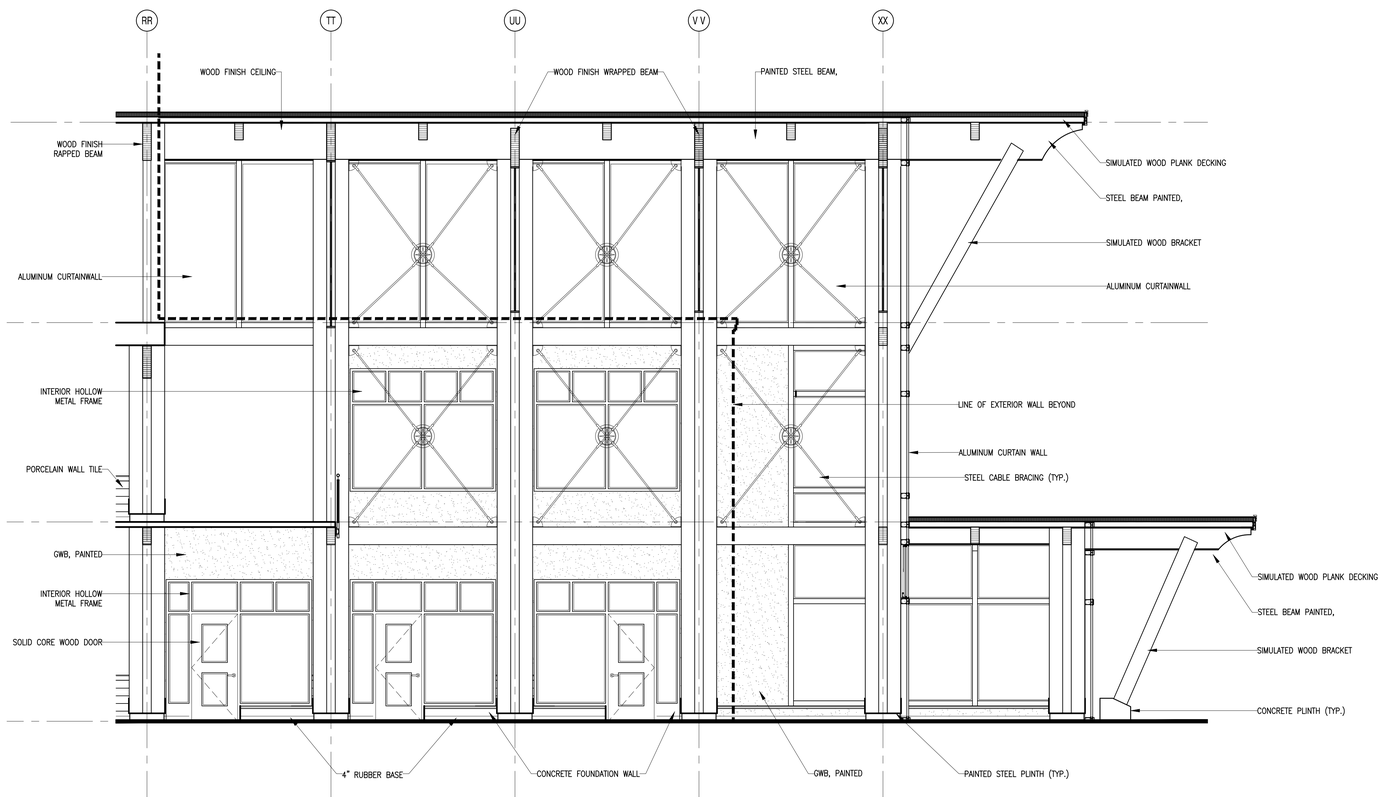
4 MAIN LOBBY INTERIOR ELEVATION/SECTION
1/4" = 1'-0"



3 MAIN LOBBY INTERIOR ELEVATION/SECTION
1/4" = 1'-0"



2 MAIN LOBBY INTERIOR ELEVATION/SECTION
1/4" = 1'-0"



1 MAIN LOBBY INTERIOR ELEVATION/SECTION
1/4" = 1'-0"

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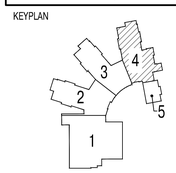
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:
MAIN LOBBY INTERIOR ELEVATIONS

DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A9.03

1 STUDENT DINING INTERIOR ELEVATION
1/4" = 1'-0" DRAWN FLAT

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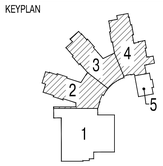
KEYNOTE LEGEND:

NORTH ARROW

KEYPLAN



DRAWING NAME:

STUDENT DINING INTERIOR ELEVATIONS

DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A9.04

1 STUDENT DINING INTERIOR ELEVATION
1/4" = 1'-0" DRAWN FLAT

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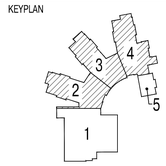
KEYNOTE LEGEND:

NORTH ARROW

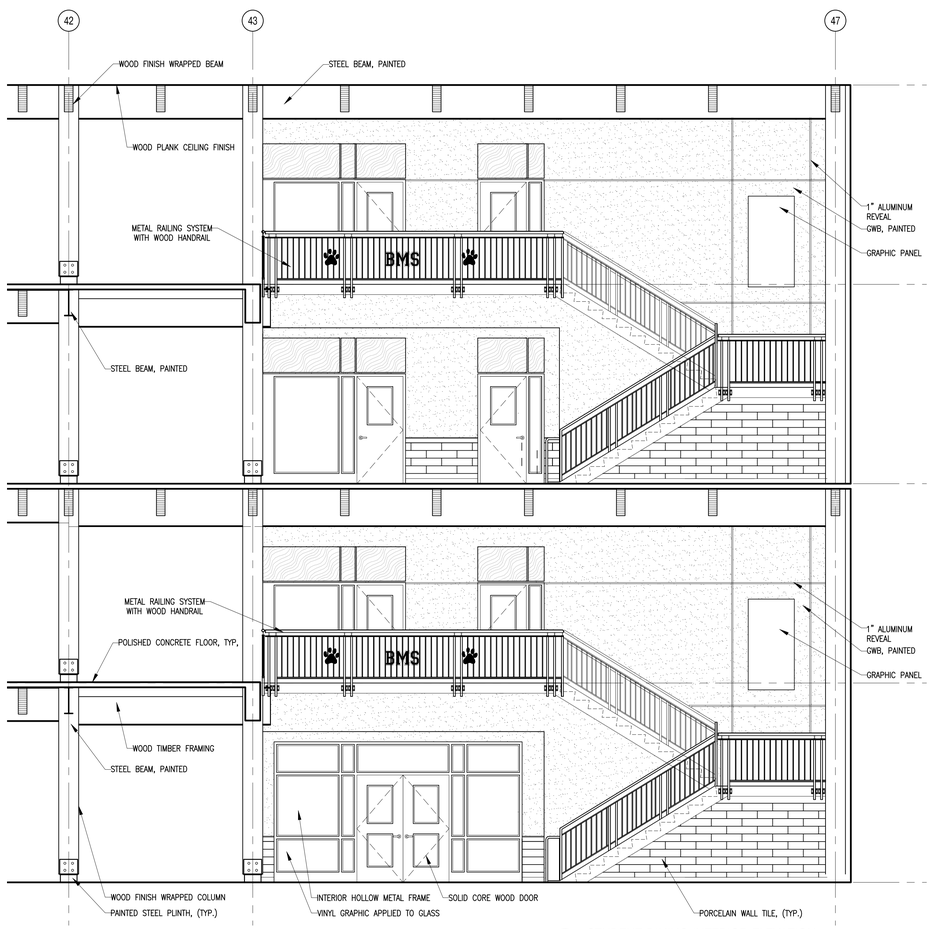
KEYPLAN



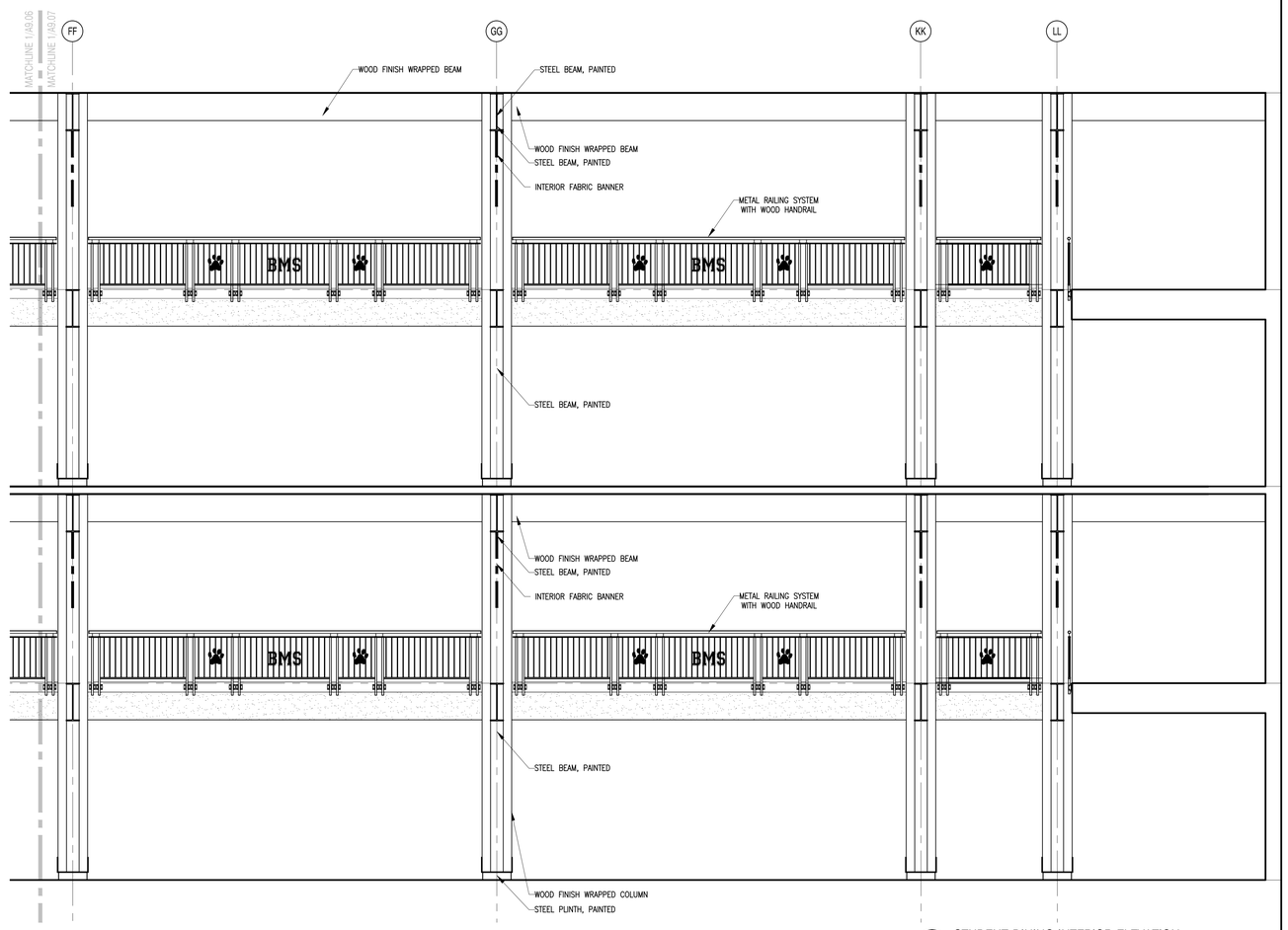
DRAWING NAME:

STUDENT DINING INTERIOR ELEVATIONS

DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A9.05



2 STUDENT DINING INTERIOR ELEVATION
1/4" = 1'-0"



1 STUDENT DINING INTERIOR ELEVATION
1/4" = 1'-0" DRAWN FLAT

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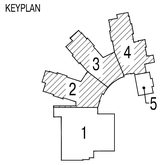
KEYNOTE LEGEND:

NORTH ARROW

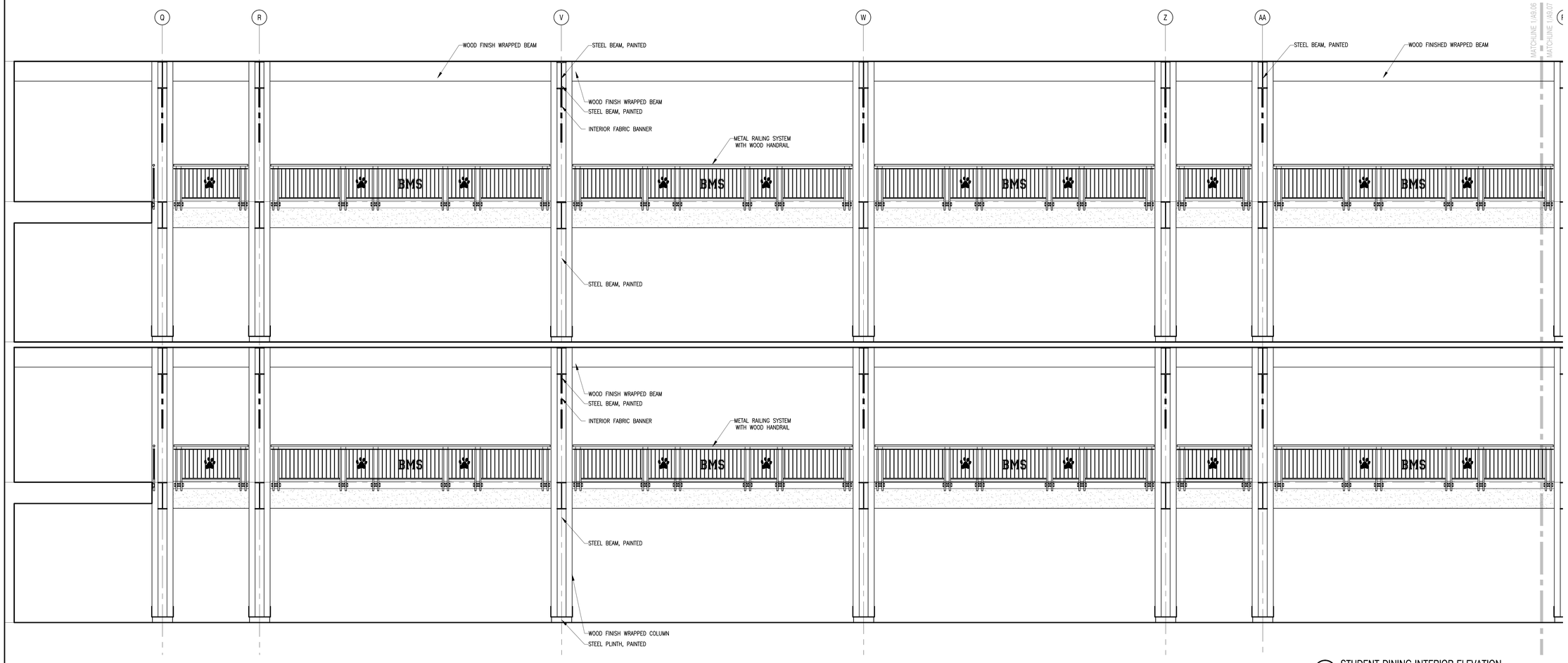
KEYPLAN



DRAWING NAME:

STUDENT DINING INTERIOR ELEVATIONS

DRAWN BY:	MB
REVIEWED BY:	MB
SCALE:	As Noted
JOB NO.:	1403.00
DATE:	Aug 6, 2015
DRAWING NUMBER:	A9.06



1 STUDENT DINING INTERIOR ELEVATION
1/4" = 1'-0" DRAWN FLAT

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KEYNOTE LEGEND:

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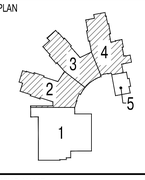

DRAWING NAME:

STUDENT
DINING
INTERIOR
ELEVATIONS

DRAWN BY:	MB
REVIEWED BY:	MB
SCALE: As Noted	DRAWING NUMBER:
JOB NO.: 1403.00	A9.07
DATE: Aug 6, 2015	