



SCHEMATIC DESIGN DRAWINGS
FULLER MIDDLE SCHOOL
FRAMINGHAM, MA

LIST OF DRAWINGS	
NO.	SHEET NAME

A001	COVER SHEET
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C-1.2	EXISTING CONDITIONS PLAN
C-1.3	EXISTING CONDITIONS PLAN
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C-2.3	PHASE 3 DEMOLITION AND VEHICLE CIRCULATION
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C-3.2	LAYOUT & MATERIALS PLAN
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A101C	PLAN - FLOOR 1-C
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A102A	PLAN - FLOOR 2-A
A102B	PLAN - FLOOR 2-B
A102C	PLAN - FLOOR 2-C
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A103B	PLAN - FLOOR 3-B
A103C	PLAN - FLOOR 3-C
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M-101B	DUCTWORK PLAN FLOOR 1-B - HVAC
M-101C	DUCTWORK PLAN FLOOR 1-C - HVAC
M-102A	DUCTWORK PLAN FLOOR 2-A - HVAC
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M-201	AHU AIRFLOW DIAGRAM
M-202	CHW FLOW DIAGRAM
M-203	HHW FLOW DIAGRAM



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NOT FOR
 CONSTRUCTION

FULLER SCHOOL
 31 FLAGG DRIVE, FRAMINGHAM, MA

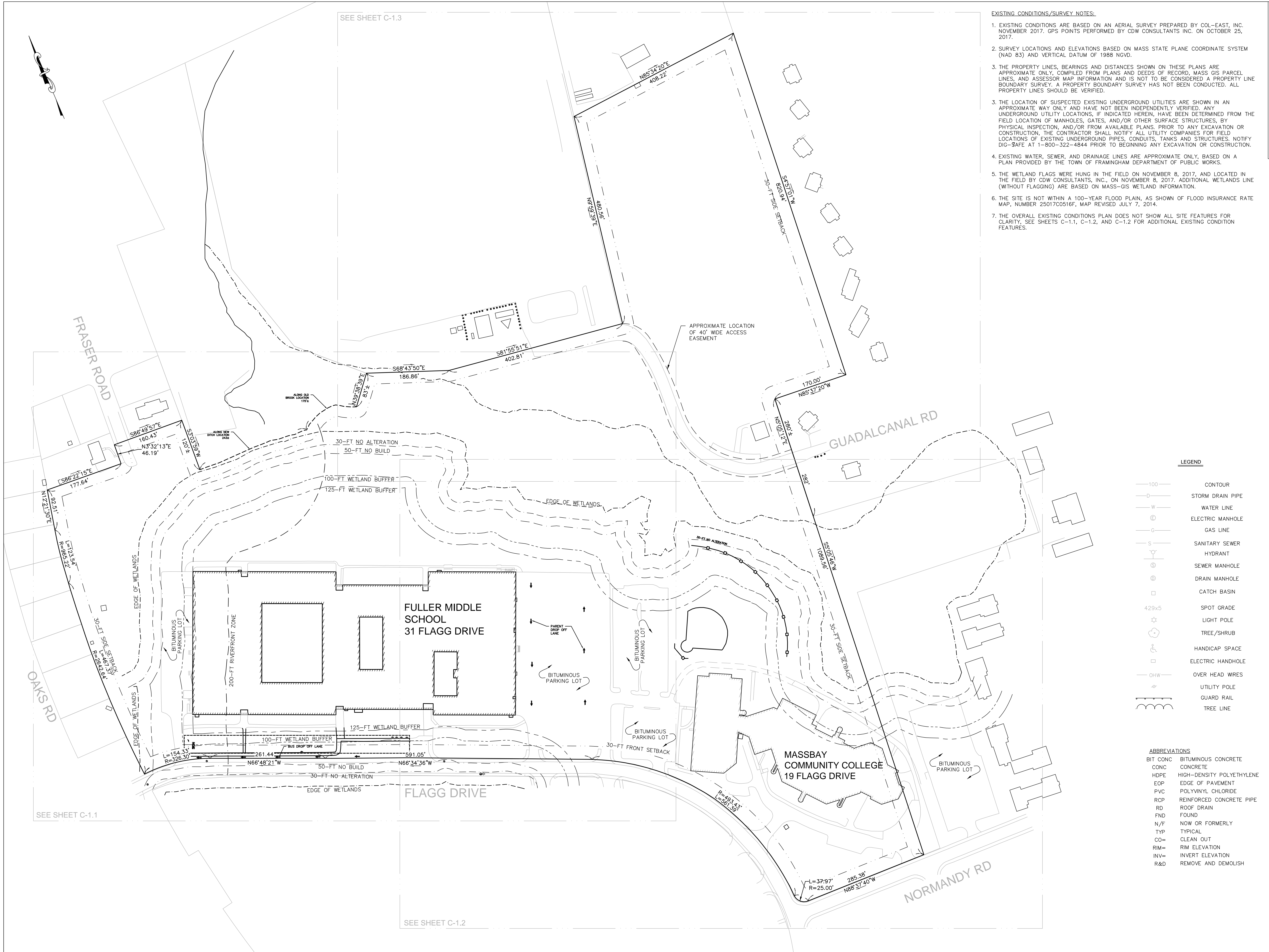
PROJECT STATUS
 SCHEMATIC DESIGN
 09/12/18

REVISIONS		
No.	Date	Description

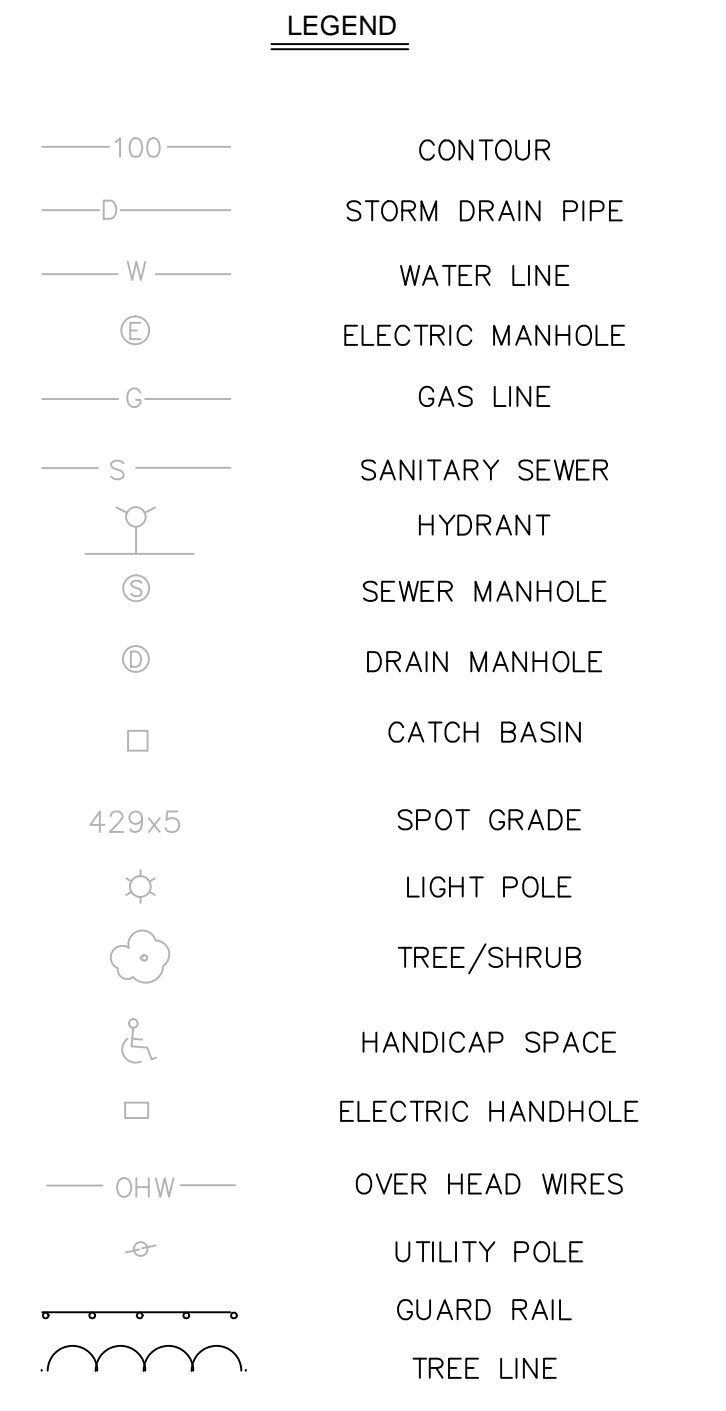
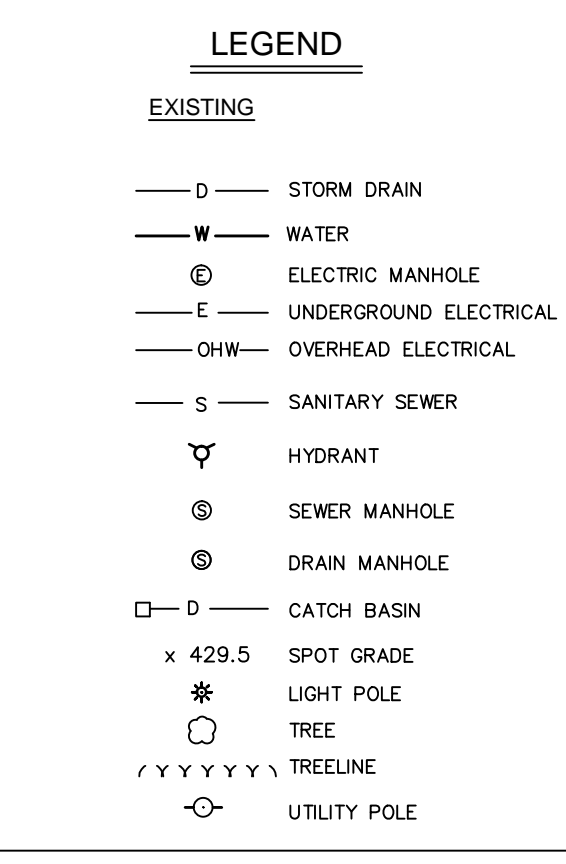
DRAWING NAME
 COVER SHEET

PROJECT NO. Project Number
 DRAWING NO.

A001



- EXISTING CONDITIONS/SURVEY NOTES:**
- EXISTING CONDITIONS ARE BASED ON AN AERIAL SURVEY PREPARED BY COL-EAST, INC. NOVEMBER 2017. GPS POINTS PERFORMED BY CDW CONSULTANTS INC. ON OCTOBER 25, 2017.
 - SURVEY LOCATIONS AND ELEVATIONS BASED ON MASS STATE PLANE COORDINATE SYSTEM (NAD 83) AND VERTICAL DATUM OF 1988 NGVD.
 - THE PROPERTY LINES, BEARINGS AND DISTANCES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY, COMPILED FROM PLANS AND DEEDS OF RECORD, MASS GIS PARCEL LINES, AND ASSESSOR MAP INFORMATION AND IS NOT TO BE CONSIDERED A PROPERTY LINE BOUNDARY SURVEY. A PROPERTY BOUNDARY SURVEY HAS NOT BEEN CONDUCTED. ALL PROPERTY LINES SHOULD BE VERIFIED.
 - THE LOCATION OF SUSPECTED EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. ANY UNDERGROUND UTILITY LOCATIONS, IF INDICATED HEREIN, HAVE BEEN DETERMINED FROM THE FIELD LOCATION OF MANHOLES, GATES, AND/OR OTHER SURFACE STRUCTURES, BY PHYSICAL INSPECTION, AND/OR FROM AVAILABLE PLANS. PRIOR TO ANY EXCAVATION OR CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES FOR FIELD LOCATIONS OF EXISTING UNDERGROUND PIPES, CONDUITS, TANKS AND STRUCTURES. NOTIFY DIG-SAFE AT 1-800-322-4844 PRIOR TO BEGINNING ANY EXCAVATION OR CONSTRUCTION.
 - EXISTING WATER, SEWER, AND DRAINAGE LINES ARE APPROXIMATE ONLY, BASED ON A PLAN PROVIDED BY THE TOWN OF FRAMINGHAM DEPARTMENT OF PUBLIC WORKS.
 - THE WETLAND FLAGS WERE HUNG IN THE FIELD ON NOVEMBER 8, 2017, AND LOCATED IN THE FIELD BY CDW CONSULTANTS, INC., ON NOVEMBER 8, 2017. ADDITIONAL WETLANDS LINE (WITHOUT FLAGGING) ARE BASED ON MASS-GIS WETLAND INFORMATION.
 - THE SITE IS NOT WITHIN A 100-YEAR FLOOD PLAIN, AS SHOWN OF FLOOD INSURANCE RATE MAP, NUMBER 25017C0516F, MAP REVISED JULY 7, 2014.
 - THE OVERALL EXISTING CONDITIONS PLAN DOES NOT SHOW ALL SITE FEATURES FOR CLARITY. SEE SHEETS C-1.1, C-1.2, AND C-1.3 FOR ADDITIONAL EXISTING CONDITION FEATURES.



ABBREVIATIONS

BIT CONC	BITUMINOUS CONCRETE
CONC	CONCRETE
HDPE	HIGH-DENSITY POLYETHYLENE
EOP	EDGE OF PAVEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
FND	FOUND
N/F	NOW OR FORMERLY
TYP	TYPICAL
CO=	CLEAN OUT
INV=	RIM ELEVATION
INV=	INVERT ELEVATION
R&D	REMOVE AND DEMOLISH

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**FULLER MIDDLE SCHOOL
SCHEMATIC DESIGN**

01 Flagg Drive
Framingham, MA 01702

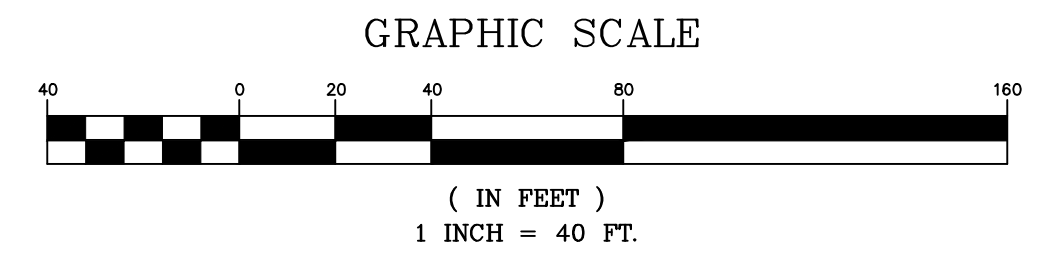
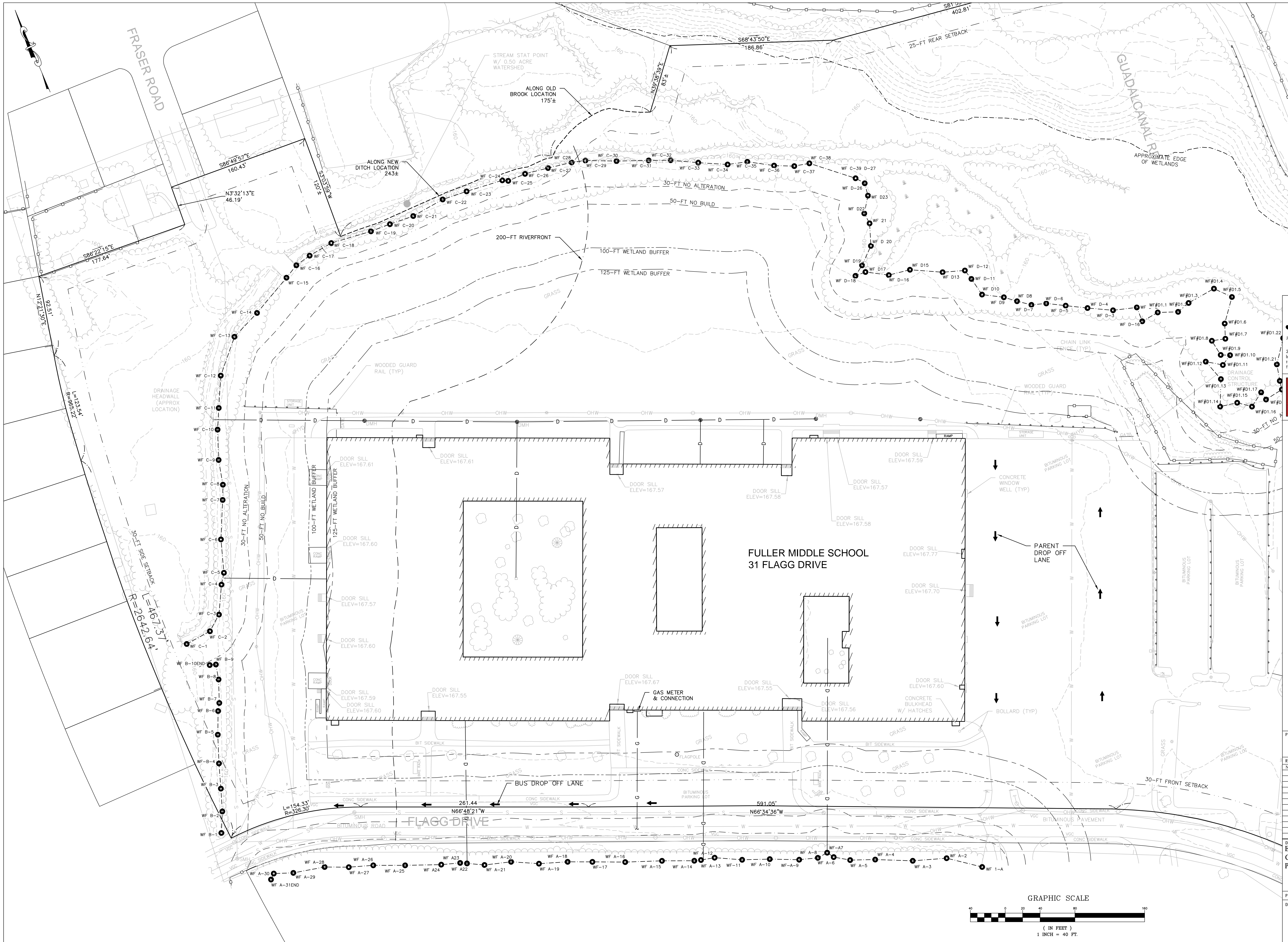
PROJECT STATUS: SCHEMATIC DESIGN PLANS
9/7/18

REVISIONS

No.	Date	Description

DRAWING NAME: OVERALL EXISTING CONDITIONS PLAN

PROJECT NO. 1597.0
DRAWING NO.



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**FULLER MIDDLE SCHOOL
 SCHEMATIC DESIGN**

PROJECT STATUS: SCHEMATIC DESIGN PLANS

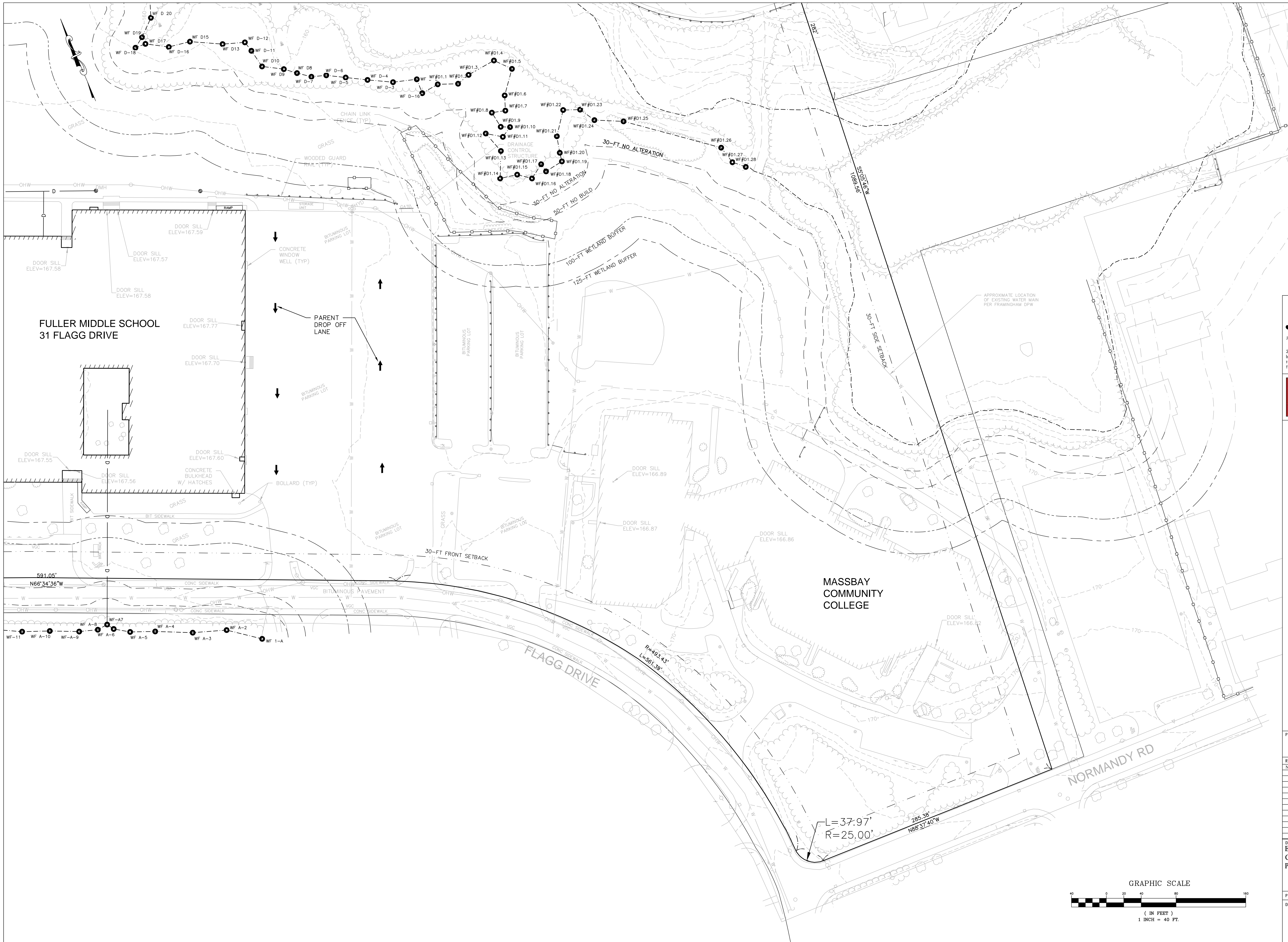
9/7/18

No.	Date	Description

DRAWING NAME:
 EXISTING
 CONDITIONS
 PLAN

PROJECT NO. 1597.0
 DRAWING NO.

C-1.1



FULLER MIDDLE SCHOOL
31 FLAGG DRIVE

MASSBAY
COMMUNITY
COLLEGE

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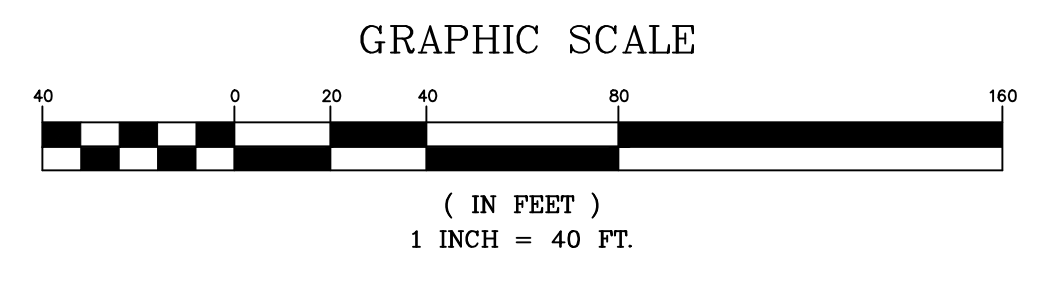
PROJECT STATUS
SCHEMATIC DESIGN PLANS
9/7/18

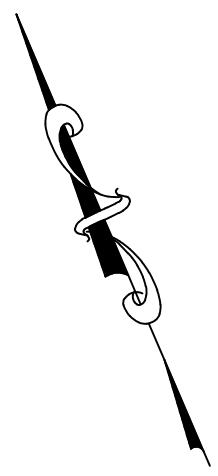
REVISIONS		
No.	Date	Description

DRAWING NAME
EXISTING
CONDITIONS
PLAN

PROJECT NO. 1597.0
DRAWING NO.

C-1.2





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Framingham, MA 01702

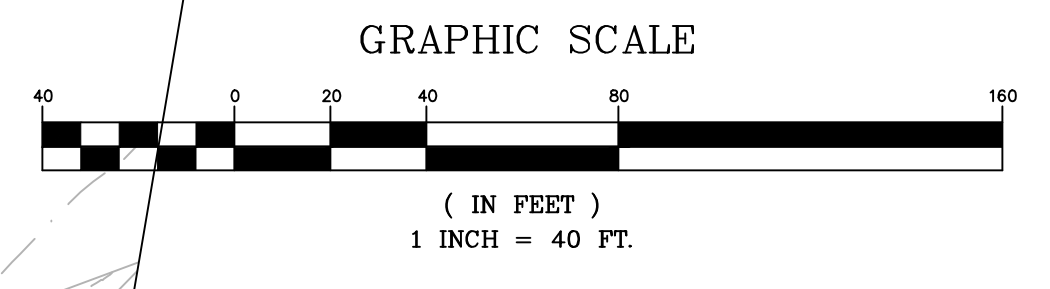
PROJECT STATUS
SCHEMATIC DESIGN PLANS
9/7/18

REVISIONS		
No.	Date	Description

DRAWING NAME
EXISTING
CONDITIONS
PLAN

PROJECT NO. 1597.0
DRAWING NO.

C-1.3



ZONING REQUIREMENTS
 ZONE: R-1
 MIN. AREA: 43,560 S.F.
 MIN. WIDTH: 120 FT CIRCLE
 MIN. FRONTAGE: 150 FT
 MIN. BUILDING SETBACKS:
 FRONT: 30 FT
 SIDE: 30 FT
 REAR: 25 FT

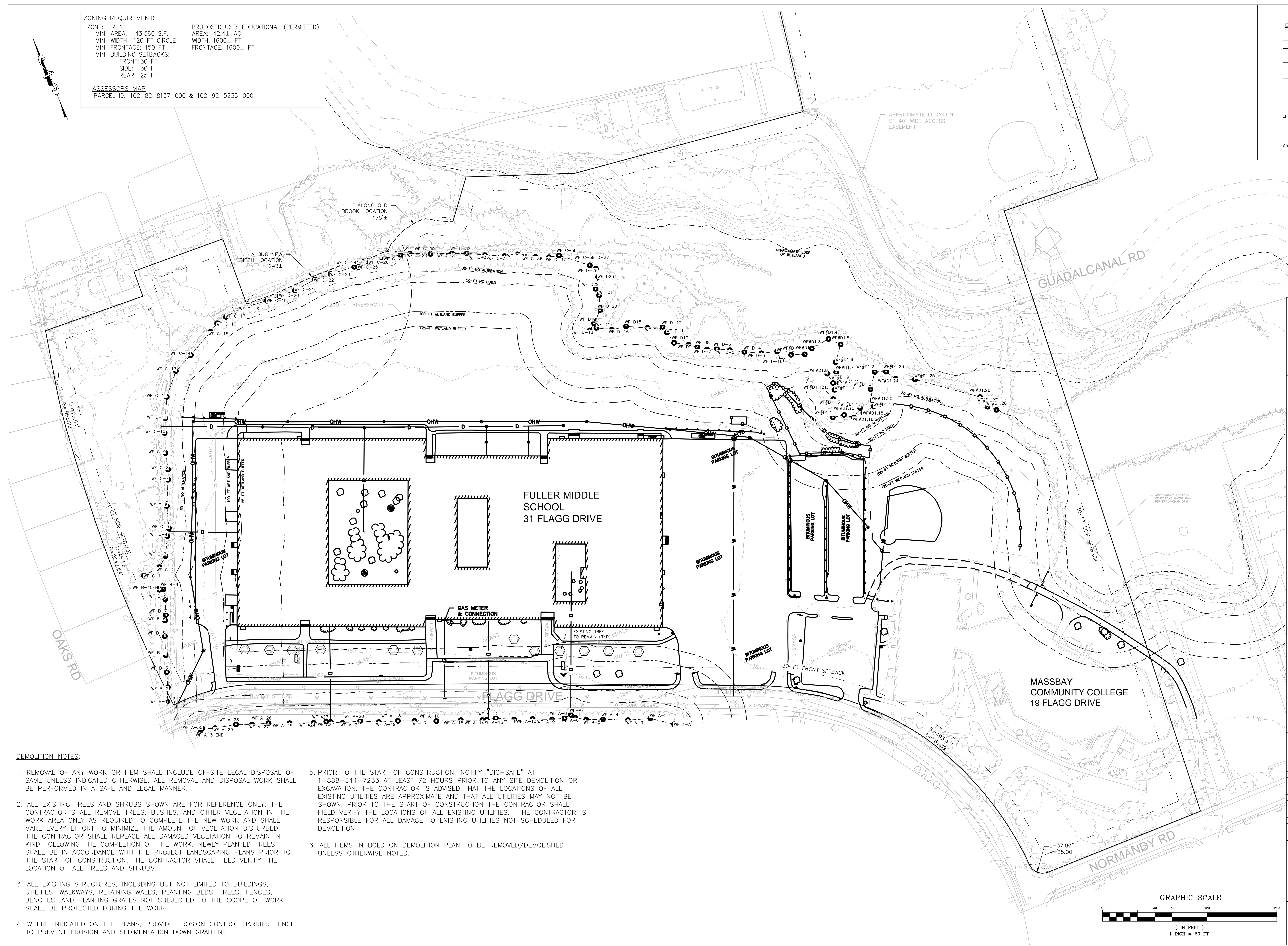
PROPOSED USE: EDUCATIONAL (PERMITTED)
 AREA: 42.4± AC
 WIDTH: 1600± FT
 FRONTAGE: 1600± FT

ASSESSORS MAP
 PARCEL ID: 102-82-8137-000 & 102-92-5235-000

LEGEND

EXISTING

- D — STORM DRAIN
- W — WATER
- ⊖ — ELECTRIC MANHOLE
- E — UNDERGROUND ELECTRICAL
- OHW — OVERHEAD ELECTRICAL
- S — SANITARY SEWER
- ▽ — HYDRANT
- ⊙ — SEWER MANHOLE
- ⊙ — DRAIN MANHOLE
- ⊙ — CATCH BASIN
- x — SPOT GRADE
- ⊙ — LIGHT POLE
- ⊙ — TREE
- Y — TREE LINE
- ⊙ — UTILITY POLE



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**FULLER MIDDLE SCHOOL
 SCHEMATIC DESIGN**

31 Flagg Drive
 Framingham, MA 01702

PROJECT STATUS:
 SCHEMATIC DESIGN PLANS
 9/7/18

DEMOLITION NOTES:

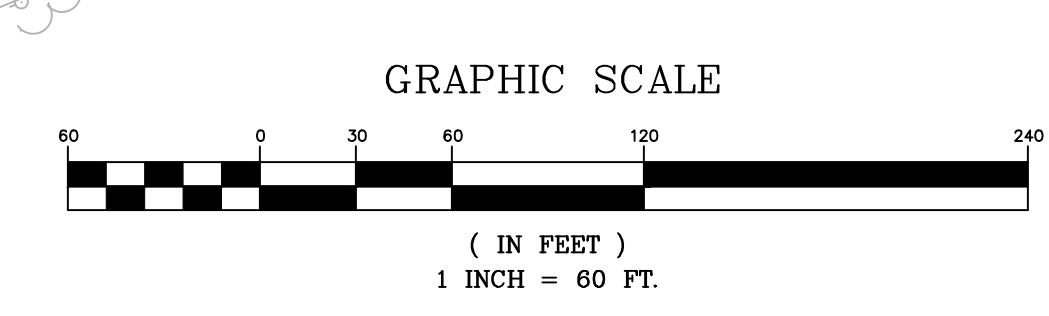
1. REMOVAL OF ANY WORK OR ITEM SHALL INCLUDE OFFSITE LEGAL DISPOSAL OF SAME UNLESS INDICATED OTHERWISE. ALL REMOVAL AND DISPOSAL WORK SHALL BE PERFORMED IN A SAFE AND LEGAL MANNER.
2. ALL EXISTING TREES AND SHRUBS SHOWN ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL REMOVE TREES, BUSHES, AND OTHER VEGETATION IN THE WORK AREA ONLY AS REQUIRED TO COMPLETE THE NEW WORK AND SHALL MAKE EVERY EFFORT TO MINIMIZE THE AMOUNT OF VEGETATION DISTURBED. THE CONTRACTOR SHALL REPLACE ALL DAMAGED VEGETATION TO REMAIN IN KIND FOLLOWING THE COMPLETION OF THE WORK. NEWLY PLANTED TREES SHALL BE IN ACCORDANCE WITH THE PROJECT LANDSCAPING PLANS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL TREES AND SHRUBS.
3. ALL EXISTING STRUCTURES, INCLUDING BUT NOT LIMITED TO BUILDINGS, UTILITIES, WALKWAYS, RETAINING WALLS, PLANTING BEDS, TREES, FENCES, BENCHES, AND PLANTING GRATES NOT SUBJECTED TO THE SCOPE OF WORK SHALL BE PROTECTED DURING THE WORK.
4. WHERE INDICATED ON THE PLANS, PROVIDE EROSION CONTROL BARRIER FENCE TO PREVENT EROSION AND SEDIMENTATION DOWN GRADIENT.
5. PRIOR TO THE START OF CONSTRUCTION, NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION. THE CONTRACTOR IS ADVISED THAT THE LOCATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE AND THAT ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES NOT SCHEDULED FOR DEMOLITION.
6. ALL ITEMS IN BOLD ON DEMOLITION PLAN TO BE REMOVED/DEMOLISHED UNLESS OTHERWISE NOTED.

REVISIONS

No.	Date	Description

DRAWING NAME:
**OVERALL
 DEMOLITION
 PLAN**

PROJECT NO. 1597.0
 DRAWING NO. **C-2.0**



ZONING REQUIREMENTS
 ZONE: R-1
 MIN. AREA: 43,560 S.F.
 MIN. WIDTH: 120 FT CIRCLE
 MIN. FRONTAGE: 150 FT
 MIN. BUILDING SETBACKS:
 FRONT: 30 FT
 SIDE: 30 FT
 REAR: 25 FT

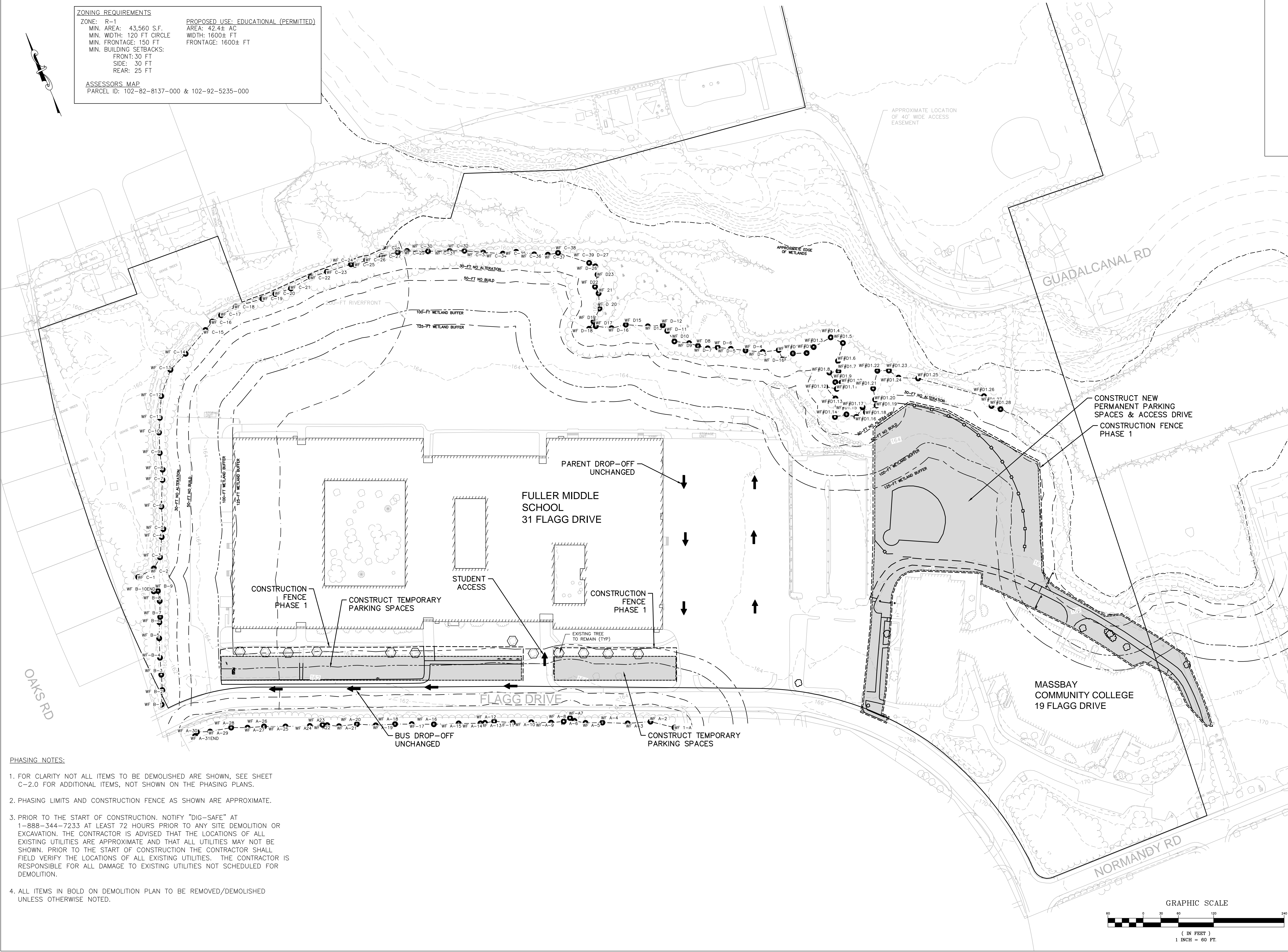
PROPOSED USE: EDUCATIONAL (PERMITTED)
 AREA: 42.4± AC
 WIDTH: 1600± FT
 FRONTAGE: 1600± FT

ASSESSORS MAP
 PARCEL ID: 102-82-8137-000 & 102-92-5235-000

LEGEND

EXISTING

- D — STORM DRAIN
- W — WATER
- ⊕ — ELECTRIC MANHOLE
- E — UNDERGROUND ELECTRICAL
- OHW — OVERHEAD ELECTRICAL
- S — SANITARY SEWER
- ▽ — HYDRANT
- ⊙ — SEWER MANHOLE
- ⊙ — DRAIN MANHOLE
- ⊙ — CATCH BASIN
- x — 429.5 SPOT GRADE
- ⊙ — LIGHT POLE
- ⊙ — TREE
- / / / / / — TREE LINE
- ⊙ — UTILITY POLE



- PHASING NOTES:**
- FOR CLARITY NOT ALL ITEMS TO BE DEMOLISHED ARE SHOWN, SEE SHEET C-2.0 FOR ADDITIONAL ITEMS, NOT SHOWN ON THE PHASING PLANS.
 - PHASING LIMITS AND CONSTRUCTION FENCE AS SHOWN ARE APPROXIMATE.
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**FULLER MIDDLE SCHOOL
 SCHEMATIC DESIGN**

PROJECT STATUS: SCHEMATIC DESIGN PLANS
 9/7/18

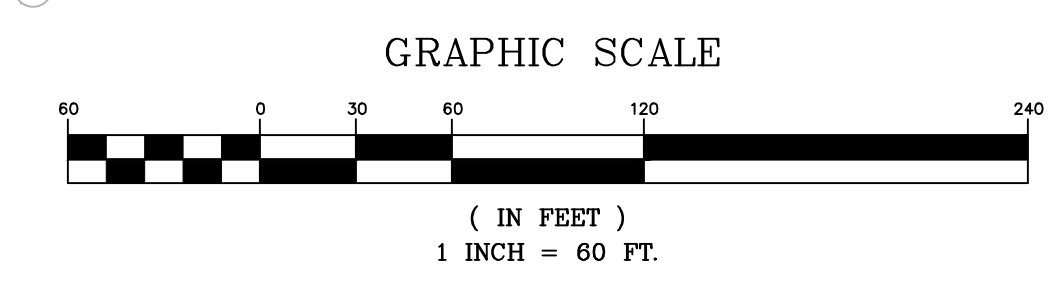
REVISIONS

No.	Date	Description

DRAWING NAME:
**PHASE 1
 DEMOLITION
 AND VEHICLE
 CIRCULATION**

PROJECT NO. 1597.0
 DRAWING NO.

C-2.1



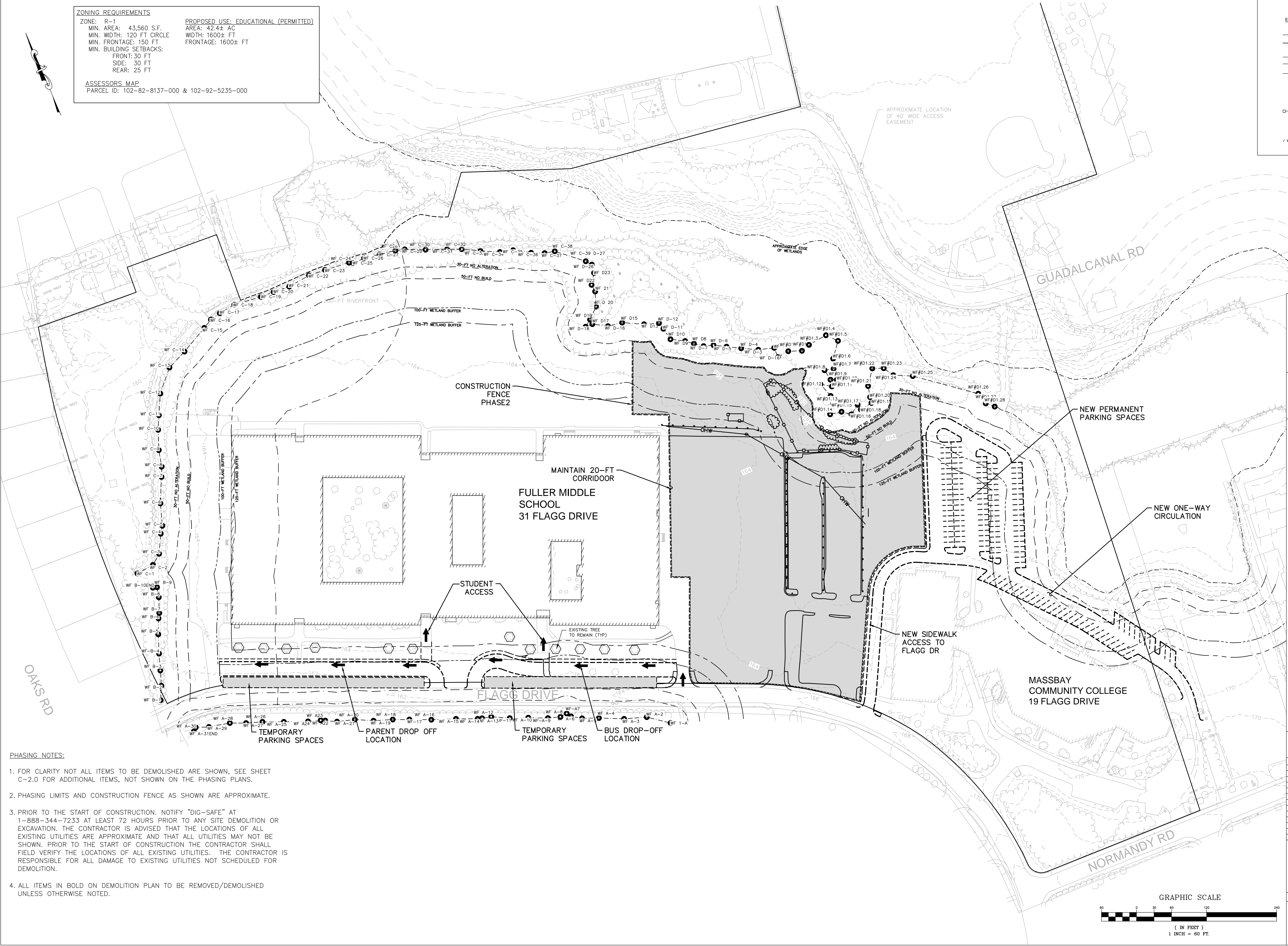
ZONING REQUIREMENTS
 ZONE: R-1
 MIN. AREA: 43,560 S.F.
 MIN. WIDTH: 120 FT CIRCLE
 MIN. FRONTAGE: 150 FT
 MIN. BUILDING SETBACKS:
 FRONT: 30 FT
 SIDE: 30 FT
 REAR: 25 FT

PROPOSED USE: EDUCATIONAL (PERMITTED)
 AREA: 42.4± AC
 WIDTH: 1600± FT
 FRONTAGE: 1600± FT

ASSESSORS MAP
 PARCEL ID: 102-82-8137-000 & 102-92-5235-000

LEGEND

EXISTING	
—	STORM DRAIN
—	WATER
⊙	ELECTRIC MANHOLE
—	UNDERGROUND ELECTRICAL
—	OVERHEAD ELECTRICAL
—	SANITARY SEWER
▽	HYDRANT
⊙	SEWER MANHOLE
⊙	DRAIN MANHOLE
⊙	CATCH BASIN
x	429.5 SPOT GRADE
⊙	LIGHT POLE
⊙	TREE
—	TREELINE
⊙	UTILITY POLE



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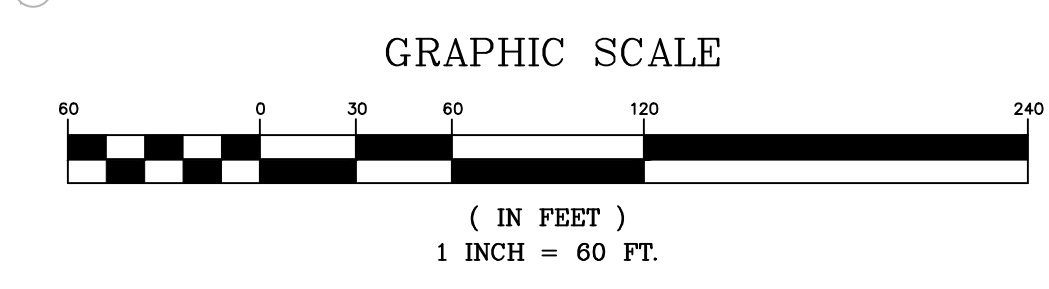
**FULLER MIDDLE SCHOOL
 SCHEMATIC DESIGN**

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PROJECT STATUS: SCHEMATIC DESIGN PLANS
 9/7/18

REVISIONS	No.	Date	Description

DRAWING NAME: PHASE 1 DEMOLITION AND VEHICLE CIRCULATION
 PROJECT NO.: 1597.0
 DRAWING NO.: C-2.2

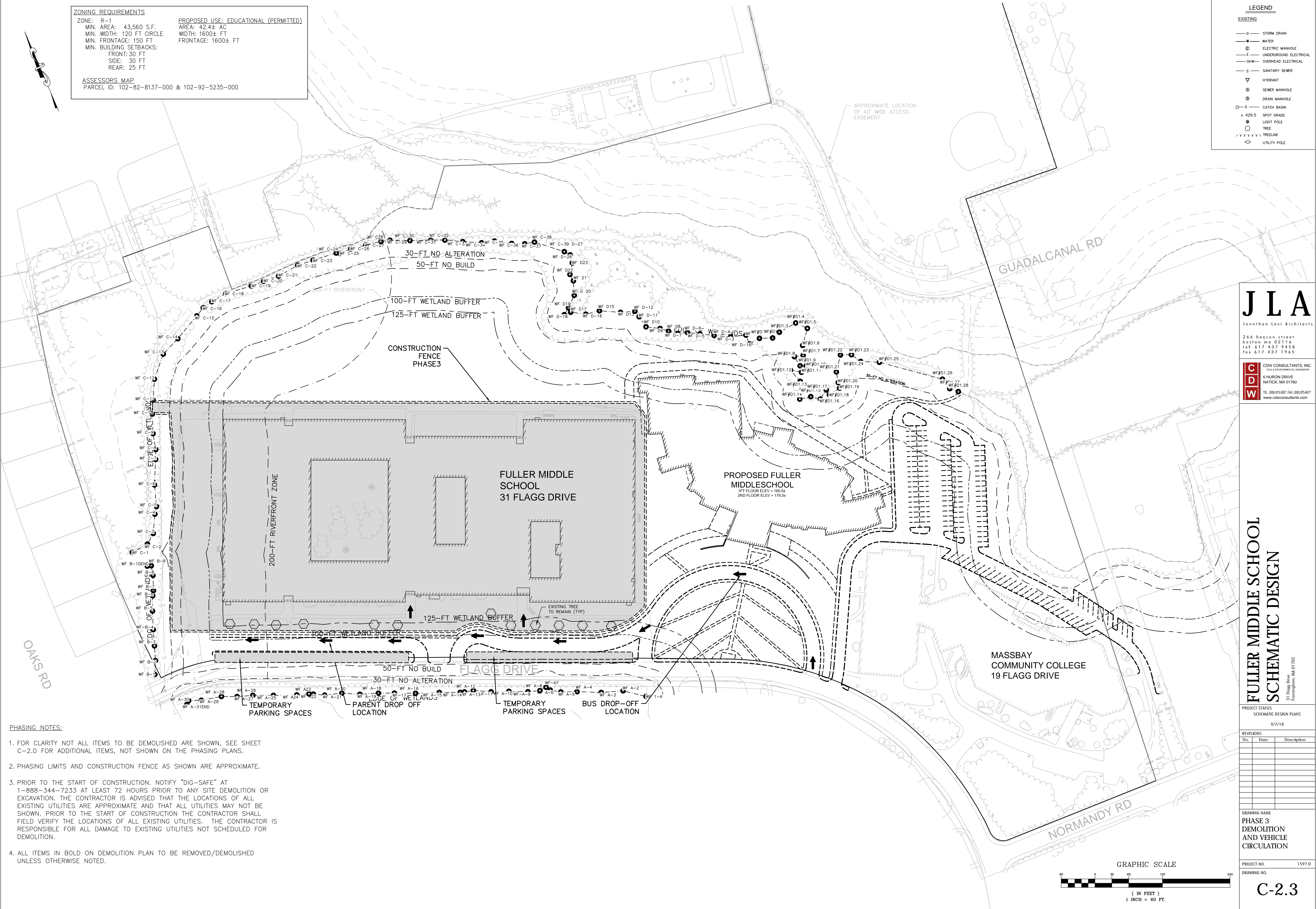


ZONING REQUIREMENTS
 ZONE: R-1
 MIN. AREA: 43,560 S.F.
 MIN. WIDTH: 120 FT CIRCLE
 MIN. FRONTAGE: 150 FT
 MIN. BUILDING SETBACKS:
 FRONT: 30 FT
 SIDE: 30 FT
 REAR: 25 FT

PROPOSED USE: EDUCATIONAL (PERMITTED)
 AREA: 42.4± AC
 WIDTH: 1600± FT
 FRONTAGE: 1600± FT

ASSESSORS MAP
 PARCEL ID: 102-82-8137-000 & 102-92-5235-000

LEGEND	
EXISTING	
— D —	STORM DRAIN
— W —	WATER
⊗	ELECTRIC MANHOLE
— E —	UNDERGROUND ELECTRICAL
— OHW —	OVERHEAD ELECTRICAL
— S —	SANITARY SEWER
▽	HYDRANT
⊙	SEWER MANHOLE
⊙	DRAIN MANHOLE
□	CATCH BASIN
x	429.5 SPOT GRADE
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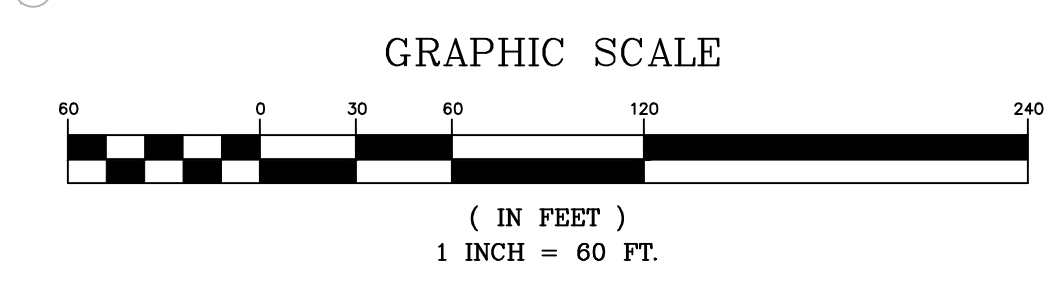
PROJECT STATUS
 SCHEMATIC DESIGN PLANS
 9/7/18

No.	Date	Description

DRAWING NAME
**PHASE 3
 DEMOLITION
 AND VEHICLE
 CIRCULATION**

PROJECT NO. 1597.0
 DRAWING NO.

C-2.3



ZONING REQUIREMENTS
 ZONE: R-1
 MIN. AREA: 43,560 S.F.
 MIN. WIDTH: 120 FT CIRCLE
 MIN. FRONTAGE: 150 FT
 MIN. BUILDING SETBACKS:
 FRONT: 30 FT
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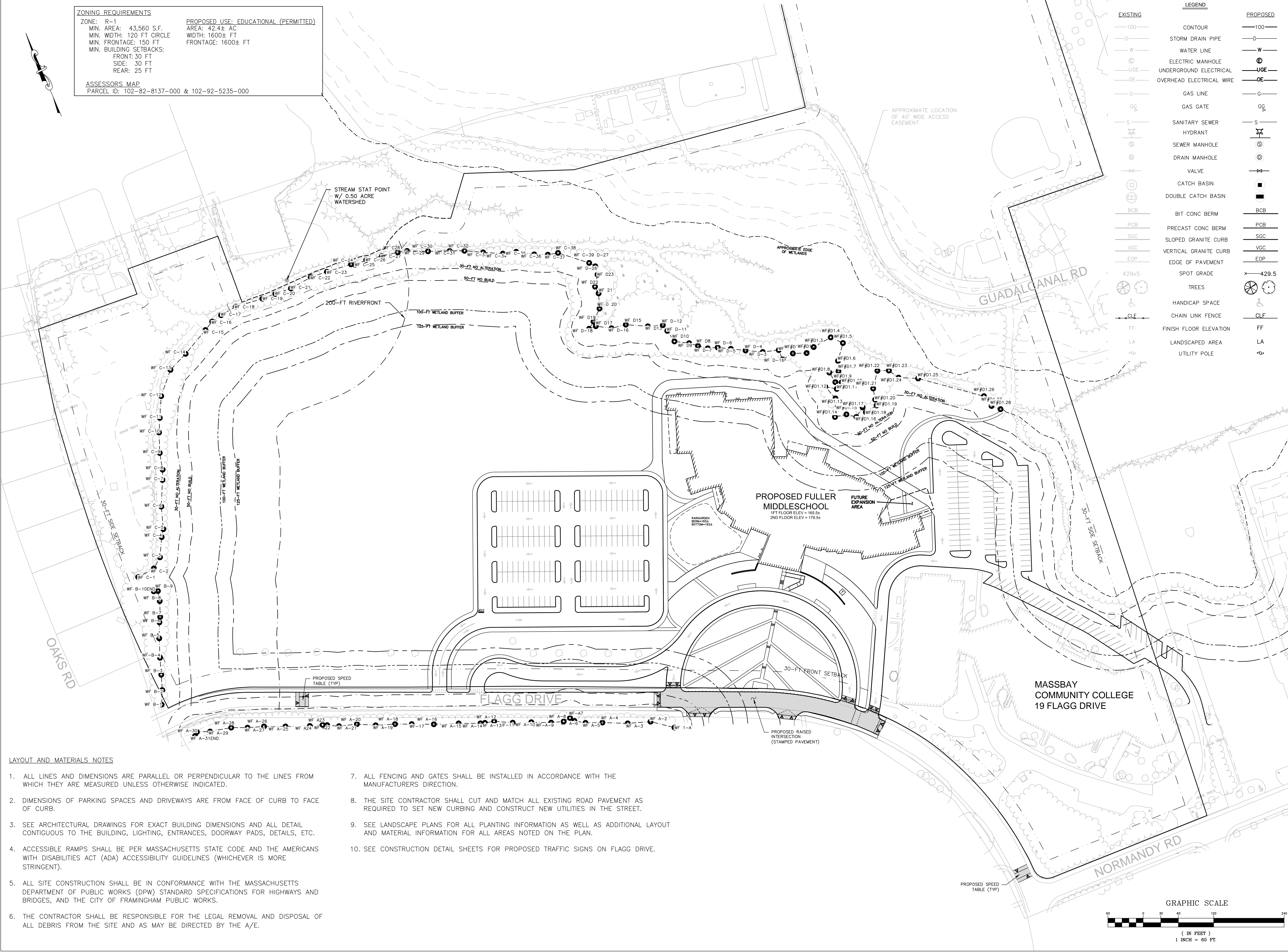
PROPOSED USE: EDUCATIONAL (PERMITTED)
 AREA: 42.4± AC
 WIDTH: 1600± FT
 FRONTAGE: 1600± FT

ASSESSORS MAP
 PARCEL ID: 102-82-8137-000 & 102-92-5235-000

LEGEND	
EXISTING	PROPOSED
100	100
CONTOUR	CONTOUR
STORM DRAIN PIPE	STORM DRAIN PIPE
WATER LINE	WATER LINE
ELECTRIC MANHOLE	ELECTRIC MANHOLE
UNDERGROUND ELECTRICAL	UNDERGROUND ELECTRICAL
OVERHEAD ELECTRICAL WIRE	OVERHEAD ELECTRICAL WIRE
GAS LINE	GAS LINE
GAS GATE	GAS GATE
SANITARY SEWER	SANITARY SEWER
HYDRANT	HYDRANT
SEWER MANHOLE	SEWER MANHOLE
DRAIN MANHOLE	DRAIN MANHOLE
VALVE	VALVE
CATCH BASIN	CATCH BASIN
DOUBLE CATCH BASIN	DOUBLE CATCH BASIN
BIT CONC BERM	BIT CONC BERM
PRECAST CONC BERM	PRECAST CONC BERM
SLOPED GRANITE CURB	SLOPED GRANITE CURB
VERTICAL GRANITE CURB	VERTICAL GRANITE CURB
EDGE OF PAVEMENT	EDGE OF PAVEMENT
SPOT GRADE	SPOT GRADE
TREES	TREES
HANDICAP SPACE	HANDICAP SPACE
CHAIN LINK FENCE	CHAIN LINK FENCE
FINISH FLOOR ELEVATION	FINISH FLOOR ELEVATION
LANDSCAPED AREA	LANDSCAPED AREA
UTILITY POLE	UTILITY POLE

ABBREVIATIONS

BIT CONC	BITUMINOUS CONCRETE
CONC	CONCRETE
HDPE	HIGH-DENSITY POLYETHYLENE
EOP	EDGE OF PAVEMENT
PVC	POLYVINYL CHLORIDE
RC	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
FND	FOUND
N/F	NOW OR FORMERLY
TYP	TYPICAL
CO-	CLEAN OUT
RM=	RIM ELEVATION
INV=	INVERT ELEVATION
R&D	REMOVE AND DEMOLISH
WQS	WATER QUALITY STRUCTURE
OCS	OUTLET CONTROL STRUCTURE



- LAYOUT AND MATERIALS NOTES**
- ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
 - DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM FACE OF CURB TO FACE OF CURB.
 - SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND ALL DETAIL CONTIGUOUS TO THE BUILDING, LIGHTING, ENTRANCES, DOORWAY PADS, DETAILS, ETC.
 - ACCESSIBLE RAMPS SHALL BE PER MASSACHUSETTS STATE CODE AND THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES (WHICHEVER IS MORE STRINGENT).
 - ALL SITE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS (DPW) STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, AND THE CITY OF FRAMINGHAM PUBLIC WORKS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL REMOVAL AND DISPOSAL OF ALL DEBRIS FROM THE SITE AND AS MAY BE DIRECTED BY THE A/E.
 - ALL FENCING AND GATES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS DIRECTION.
 - THE SITE CONTRACTOR SHALL CUT AND MATCH ALL EXISTING ROAD PAVEMENT AS REQUIRED TO SET NEW CURBING AND CONSTRUCT NEW UTILITIES IN THE STREET.
 - SEE LANDSCAPE PLANS FOR ALL PLANTING INFORMATION AS WELL AS ADDITIONAL LAYOUT AND MATERIAL INFORMATION FOR ALL AREAS NOTED ON THE PLAN.
 - SEE CONSTRUCTION DETAIL SHEETS FOR PROPOSED TRAFFIC SIGNS ON FLAGG DRIVE.

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**FULLER MIDDLE SCHOOL
 SCHEMATIC DESIGN**
 19 Flagg Drive
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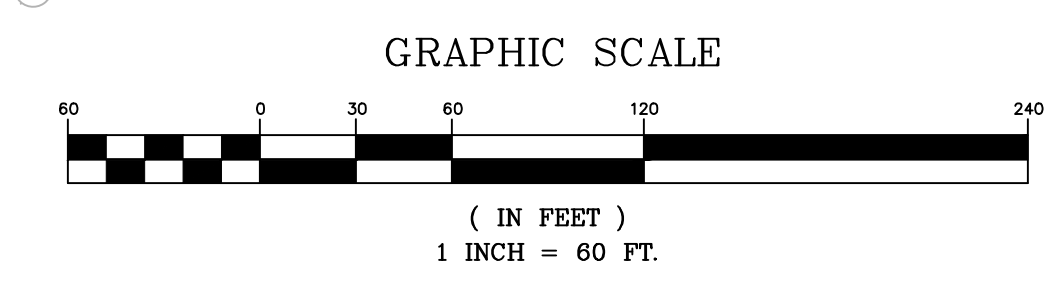
PROJECT STATUS
 SCHEMATIC DESIGN PLANS
 9/7/18

REVISIONS	No.	Date	Description

DRAWING NAME
**OVERALL LAYOUT
 & MATERIALS PLAN**

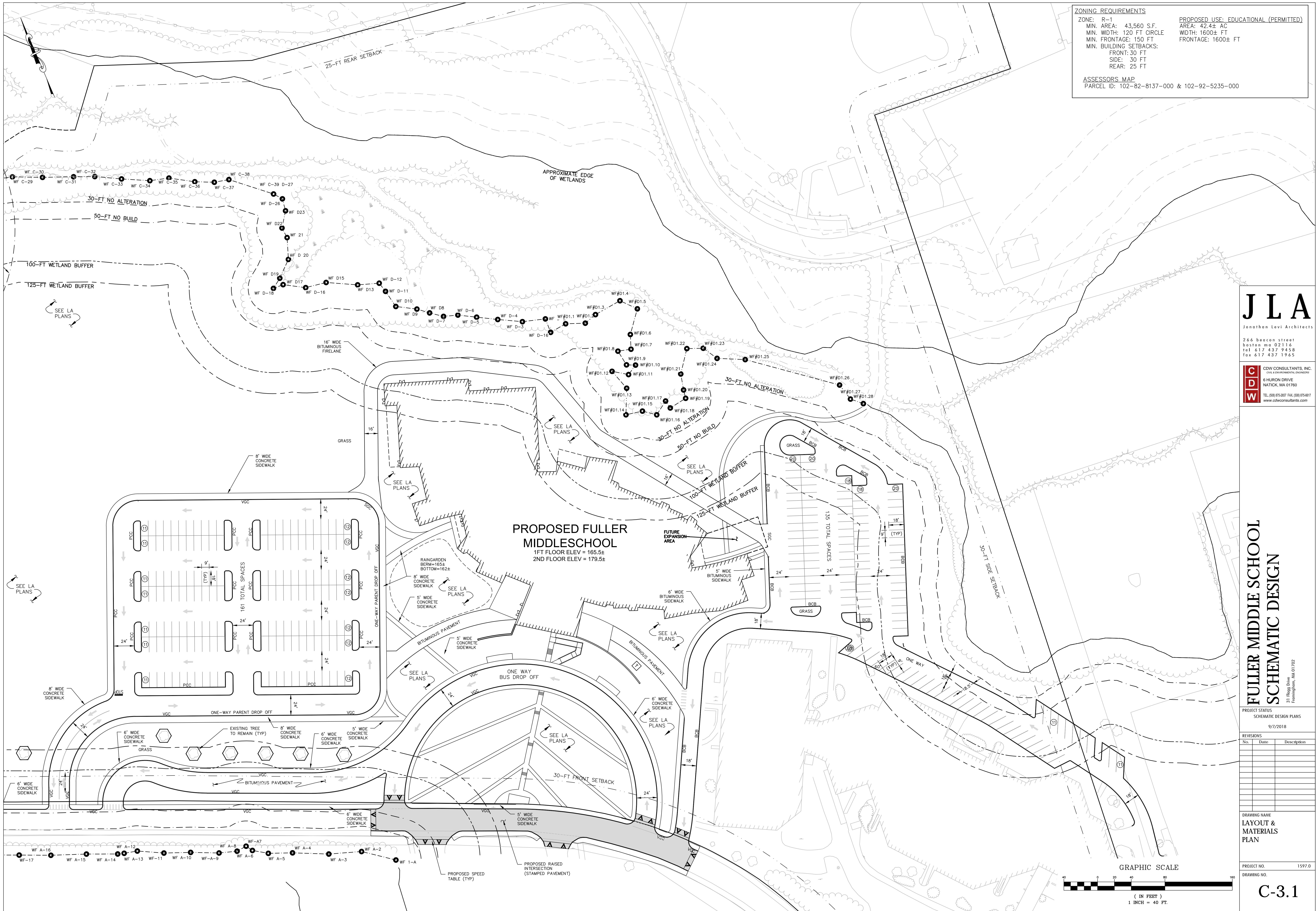
PROJECT NO. 1597.0
 DRAWING NO.

C-3.0

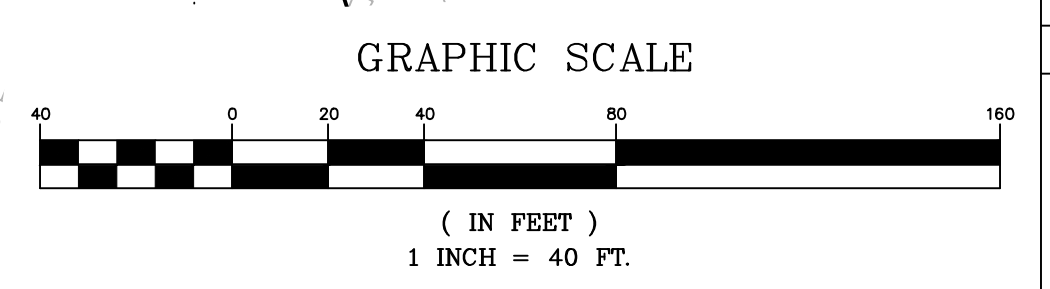


ZONING REQUIREMENTS
 ZONE: R-1
 MIN. AREA: 43,560 S.F.
 MIN. WIDTH: 120 FT CIRCLE
 MIN. FRONTAGE: 150 FT
 MIN. BUILDING SETBACKS:
 FRONT: 30 FT
 SIDE: 30 FT
 REAR: 25 FT
 PROPOSED USE: EDUCATIONAL (PERMITTED)
 AREA: 42.4± AC
 WIDTH: 1600± FT
 FRONTAGE: 1600± FT

ASSESSORS MAP
 PARCEL ID: 102-82-8137-000 & 102-92-5235-000



**PROPOSED FULLER
 MIDDLESCHOOL**
 1ST FLOOR ELEV = 165.5±
 2ND FLOOR ELEV = 179.5±



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 NATTICK, MA 01760
 TEL: (508) 675-2827 FAX: (508) 675-6917
 www.cdwcconsultants.com

**FULLER MIDDLE SCHOOL
 SCHEMATIC DESIGN**

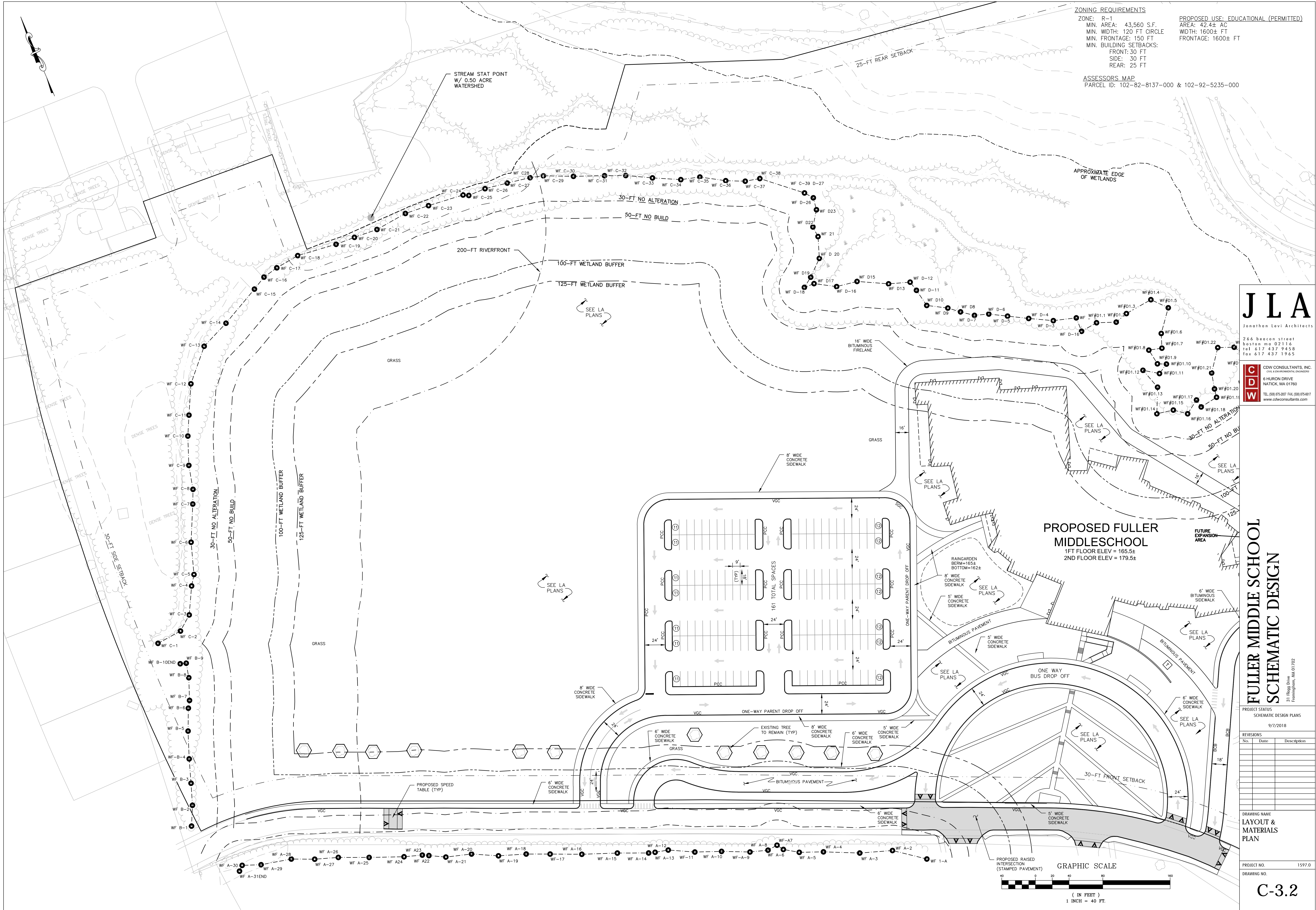
PROJECT STATUS:
 SCHEMATIC DESIGN PLANS
 9/7/2018

No.	Date	Description

DRAWING NAME:
 LAYOUT & MATERIALS PLAN

PROJECT NO. 1597.0
 DRAWING NO.

C-3.1



ZONING REQUIREMENTS
 ZONE: R-1
 MIN. AREA: 43,560 S.F.
 MIN. WIDTH: 120 FT CIRCLE
 MIN. FRONTAGE: 150 FT
 MIN. BUILDING SETBACKS:
 FRONT: 30 FT
 SIDE: 30 FT
 REAR: 25 FT

PROPOSED USE: EDUCATIONAL (PERMITTED)
 AREA: 42.4± AC
 WIDTH: 1600± FT
 FRONTAGE: 1600± FT

ASSESSORS MAP
 PARCEL ID: 102-82-8137-000 & 102-92-5235-000

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**FULLER MIDDLE SCHOOL
 SCHEMATIC DESIGN**
 31 Main Street
 Framingham, MA 01702

PROJECT STATUS:
 SCHEMATIC DESIGN PLANS
 9/7/2018

REV	DATE	DESCRIPTION

DRAWING NAME:
 LAYOUT & MATERIALS PLAN

PROJECT NO.: 1597.0
 DRAWING NO.:

C-3.2

GRADING, AND DRAINAGE NOTES

1. UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES, ARE APPROXIMATE AND ASSUMED. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-344-7233 TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE.
2. AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF THE DEVELOPMENT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.
3. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT.
4. WHERE EXISTING CURBING OR PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT, CURBS AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS. PITCH EVENLY BETWEEN SPOT GRADES. GRADE ALL AREAS TO DRAIN.
5. PITCH EVENLY BETWEEN SPOT GRADES. GRADE ALL AREAS TO DRAIN.
6. REFER TO LANDSCAPE PLANS FOR ADDITIONAL GRADING INFORMATION, INCLUDING SPOT GRADES, DETAILED GRADING AROUND THE BUILDING, AND FINE GRADING OF SIDEWALKS AND OTHER AREAS.

ZONING REQUIREMENTS

ZONE: R-1
 MIN. AREA: 43,560 S.F.
 MIN. WIDTH: 120 FT CIRCLE
 MIN. FRONTAGE: 150 FT
 MIN. BUILDING SETBACKS:
 FRONT: 30 FT
 SIDE: 30 FT
 REAR: 25 FT

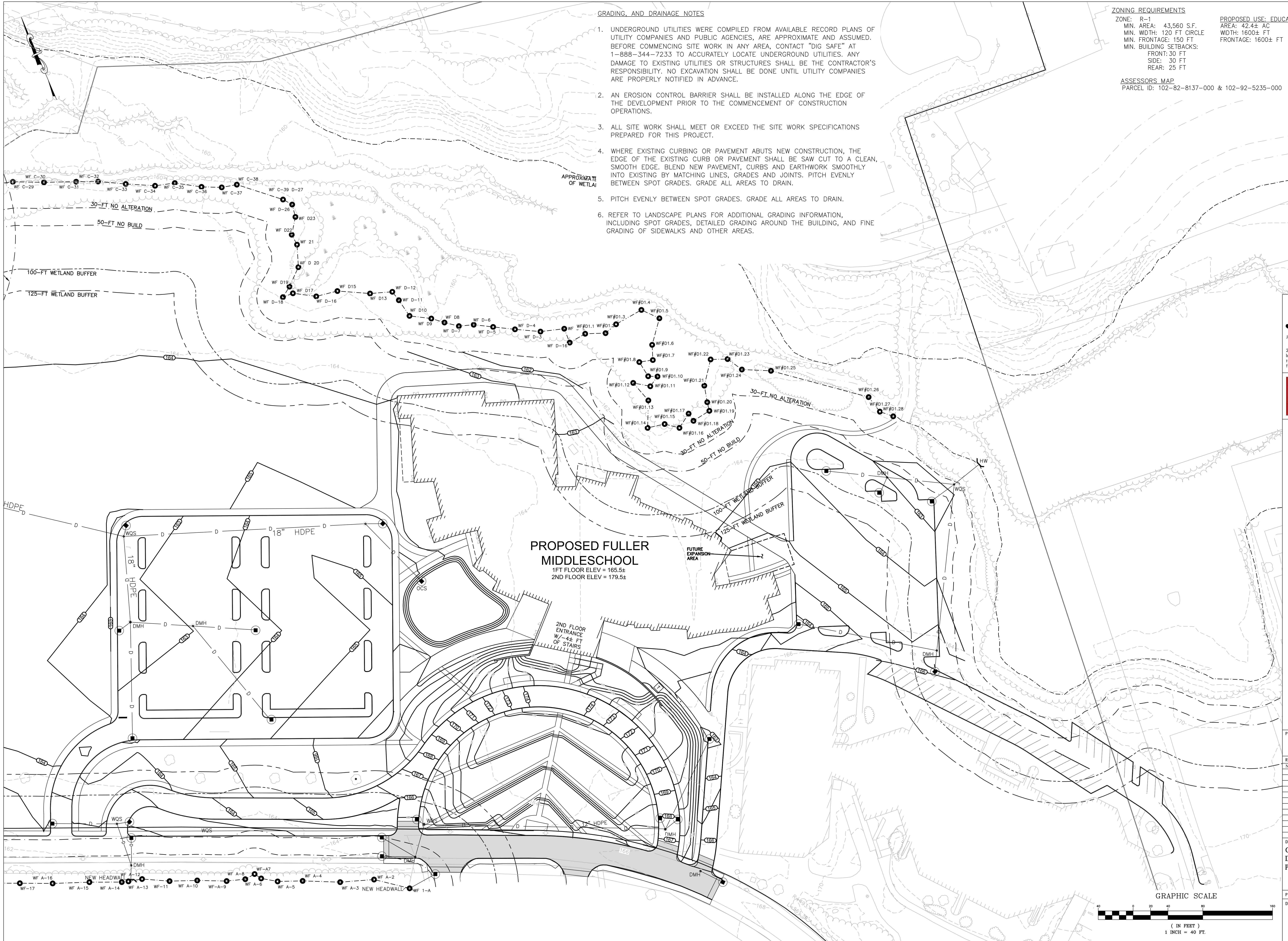
ASSESSORS MAP

PARCEL ID: 102-82-8137-000 & 102-92-5235-000

PROPOSED USE: EDUCATIONAL (PERMITTED)

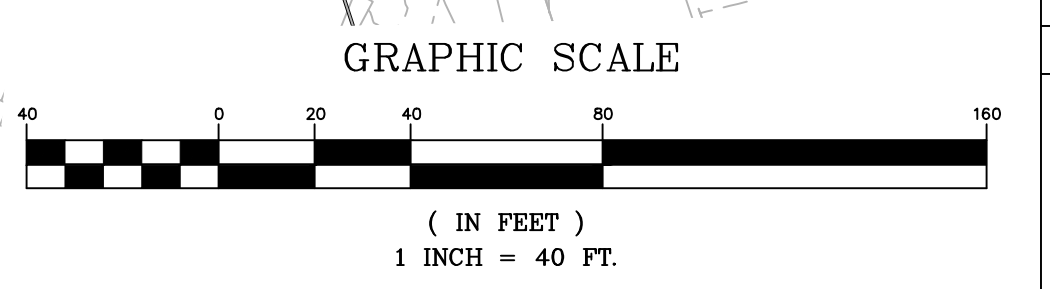
AREA: 42.4± AC
 WIDTH: 1600± FT
 FRONTAGE: 1600± FT

APPROXIMATE
OF WETLAND



**PROPOSED FULLER
MIDDLESCHOOL**
 1ST FLOOR ELEV = 165.5±
 2ND FLOOR ELEV = 179.5±

2ND FLOOR
ENTRANCE
W/ 4-4± FT
OF STAIRS



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 fax 617 437 1965

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**FULLER MIDDLE SCHOOL
SCHEMATIC DESIGN**
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 Framingham, MA 01702

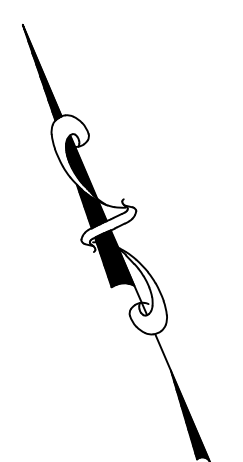
PROJECT STATUS:
SCHEMATIC DESIGN PLANS
 9/7/18

NO.	DATE	DESCRIPTION

DRAWING NAME:
GRADING &
DRAINAGE
PLAN

PROJECT NO. 1597.0
 DRAWING NO.

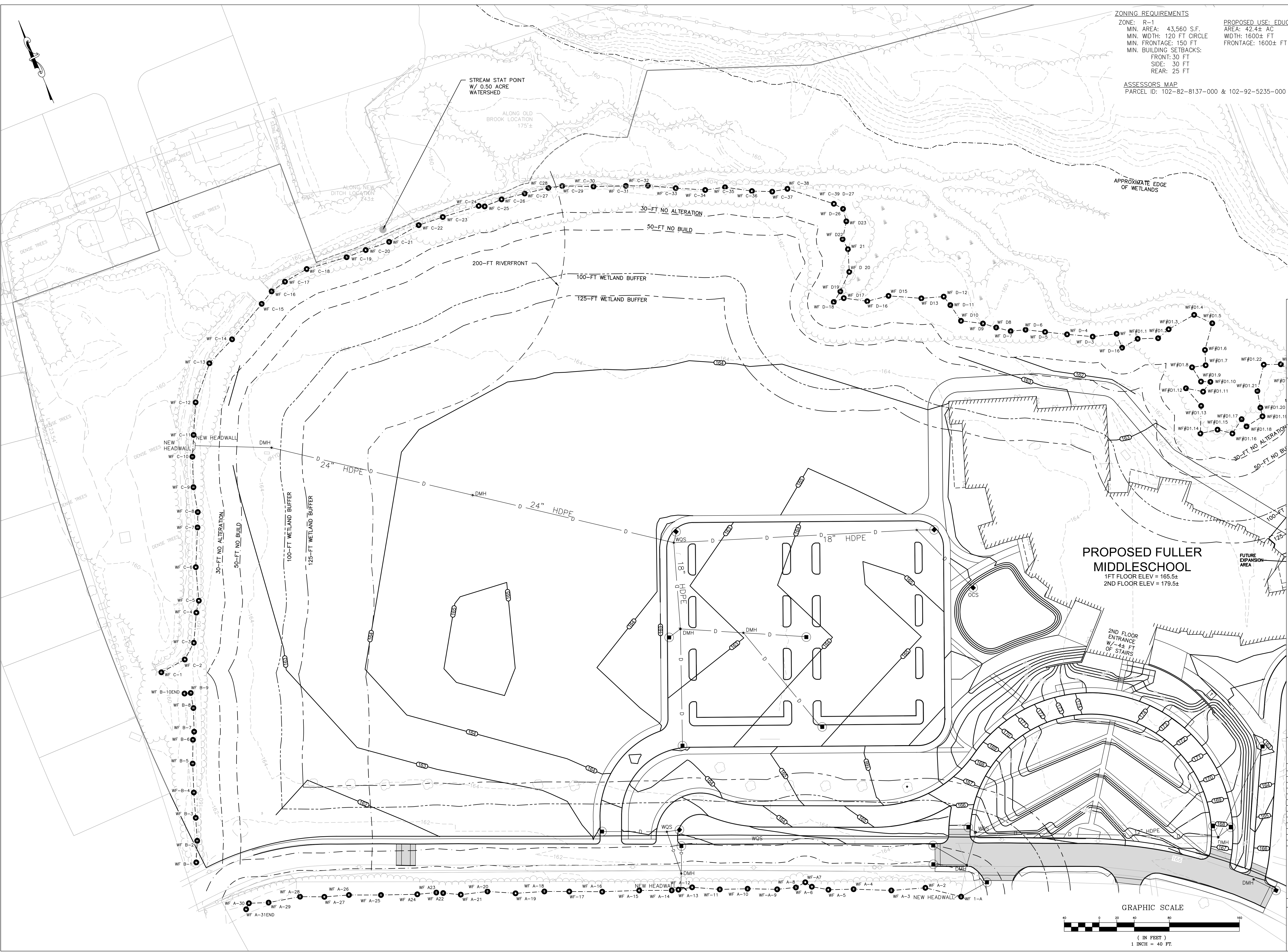
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ZONING REQUIREMENTS
ZONE: R-1
MIN. AREA: 43,560 S.F.
MIN. WIDTH: 120 FT CIRCLE
MIN. FRONTAGE: 150 FT
MIN. BUILDING SETBACKS:
FRONT: 30 FT
SIDE: 30 FT
REAR: 25 FT

PROPOSED USE: EDUCATIONAL (PERMITTED)
AREA: 42.4± AC
WIDTH: 1600± FT
FRONTAGE: 1600± FT

ASSESSOR'S MAP
PARCEL ID: 102-82-8137-000 & 102-92-5235-000



PROPOSED FULLER MIDDLESCHOOL
1ST FLOOR ELEV = 165.5±
2ND FLOOR ELEV = 179.5±

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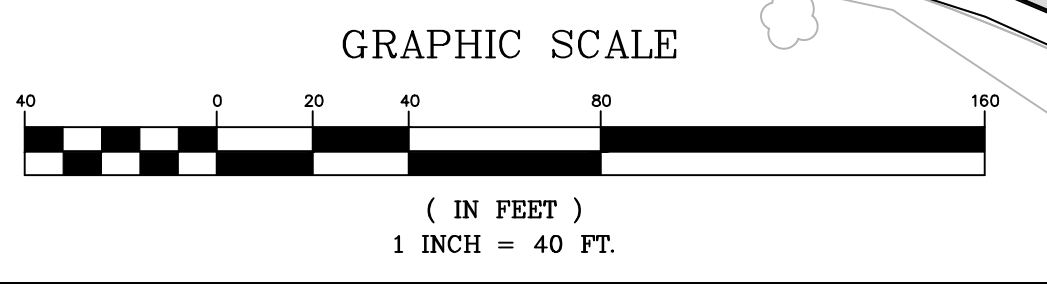
**FULLER MIDDLE SCHOOL
SCHEMATIC DESIGN**

PROJECT STATUS
SCHEMATIC DESIGN PLANS
9/7/2018

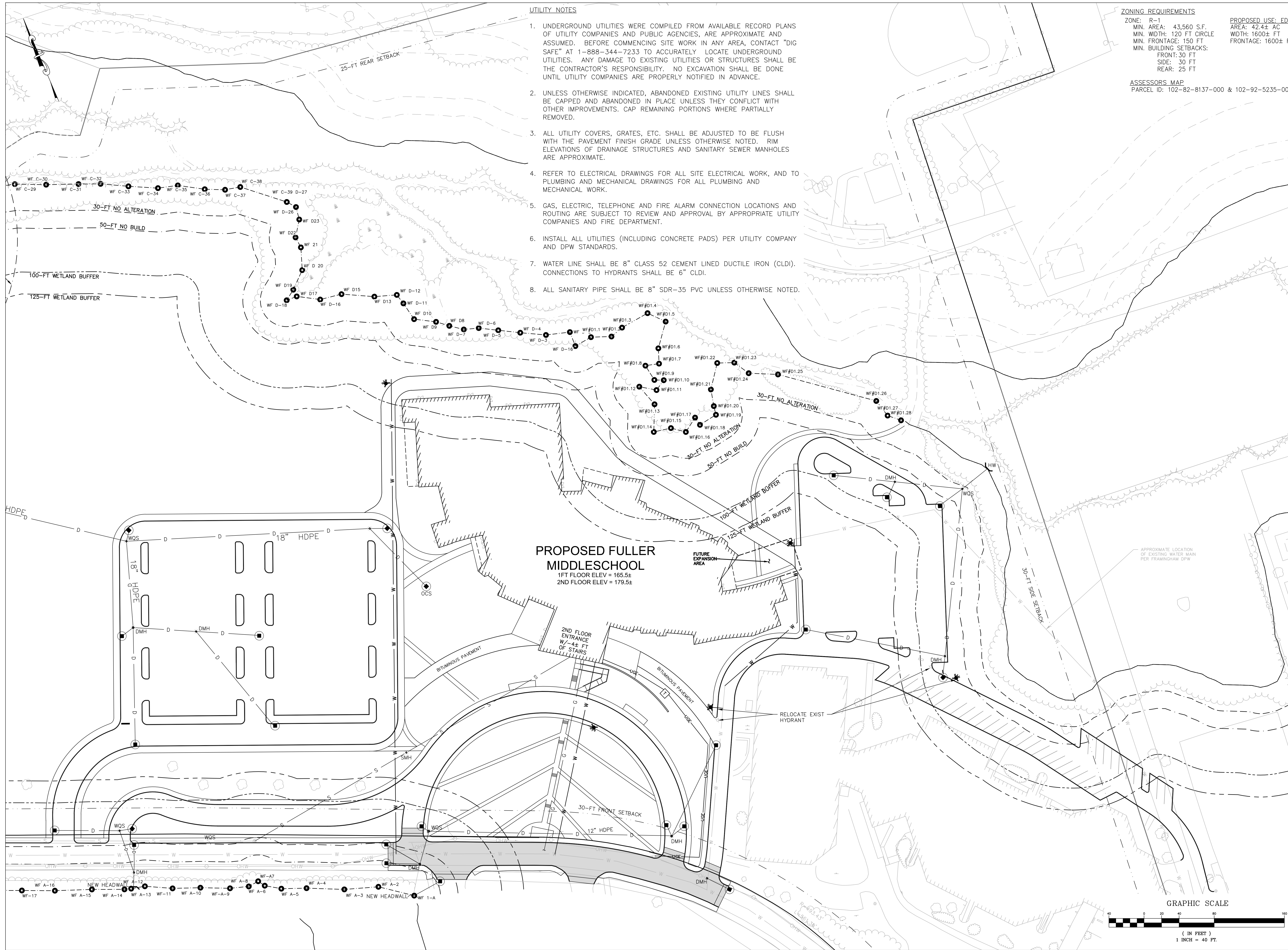
No.	Date	Description

DRAWING NAME
GRADING & DRAINAGE PLAN

PROJECT NO. 1597.0
DRAWING NO.



C-4.1



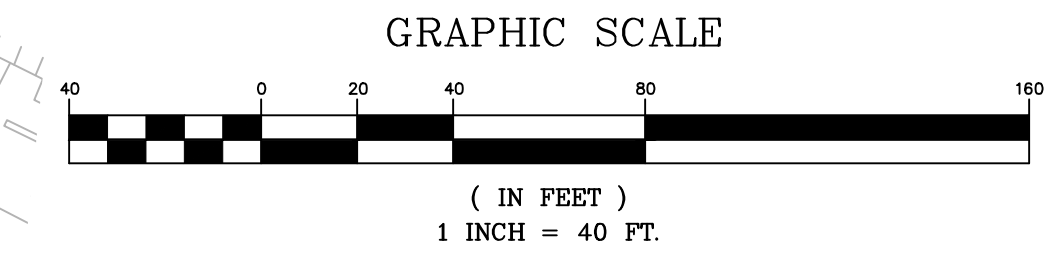
- UTILITY NOTES**
1. UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES, ARE APPROXIMATE AND ASSUMED. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-344-7233 TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE.
 2. UNLESS OTHERWISE INDICATED, ABANDONED EXISTING UTILITY LINES SHALL BE CAPPED AND ABANDONED IN PLACE UNLESS THEY CONFLICT WITH OTHER IMPROVEMENTS. CAP REMAINING PORTIONS WHERE PARTIALLY REMOVED.
 3. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE PAVEMENT FINISH GRADE UNLESS OTHERWISE NOTED. RIM ELEVATIONS OF DRAINAGE STRUCTURES AND SANITARY SEWER MANHOLES ARE APPROXIMATE.
 4. REFER TO ELECTRICAL DRAWINGS FOR ALL SITE ELECTRICAL WORK, AND TO PLUMBING AND MECHANICAL DRAWINGS FOR ALL PLUMBING AND MECHANICAL WORK.
 5. GAS, ELECTRIC, TELEPHONE AND FIRE ALARM CONNECTION LOCATIONS AND ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY APPROPRIATE UTILITY COMPANIES AND FIRE DEPARTMENT.
 6. INSTALL ALL UTILITIES (INCLUDING CONCRETE PADS) PER UTILITY COMPANY AND DPW STANDARDS.
 7. WATER LINE SHALL BE 8" CLASS 52 CEMENT LINED DUCTILE IRON (CLDI). CONNECTIONS TO HYDRANTS SHALL BE 6" CLDI.
 8. ALL SANITARY PIPE SHALL BE 8" SDR-35 PVC UNLESS OTHERWISE NOTED.

ZONING REQUIREMENTS
 ZONE: R-1
 MIN. AREA: 43,560 S.F.
 MIN. WIDTH: 120 FT CIRCLE
 MIN. FRONTAGE: 150 FT
 MIN. BUILDING SETBACKS:
 FRONT: 30 FT
 SIDE: 30 FT
 REAR: 25 FT

PROPOSED USE: EDUCATIONAL (PERMITTED)
 AREA: 42.4± AC
 WIDTH: 1600± FT
 FRONTAGE: 1600± FT

ASSESSORS MAP
 PARCEL ID: 102-82-8137-000 & 102-92-5235-000

PROPOSED FULLER MIDDLESCHOOL
 1ST FLOOR ELEV = 165.5±
 2ND FLOOR ELEV = 179.5±



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**FULLER MIDDLE SCHOOL
 SCHEMATIC DESIGN**

21 Pleasant Drive
 Framingham, MA 01702

PROJECT STATUS:
 SCHEMATIC DESIGN PLANS
 9/7/2018

REVISIONS

No.	Date	Description

DRAWING NAME:
 UTILITY PLAN

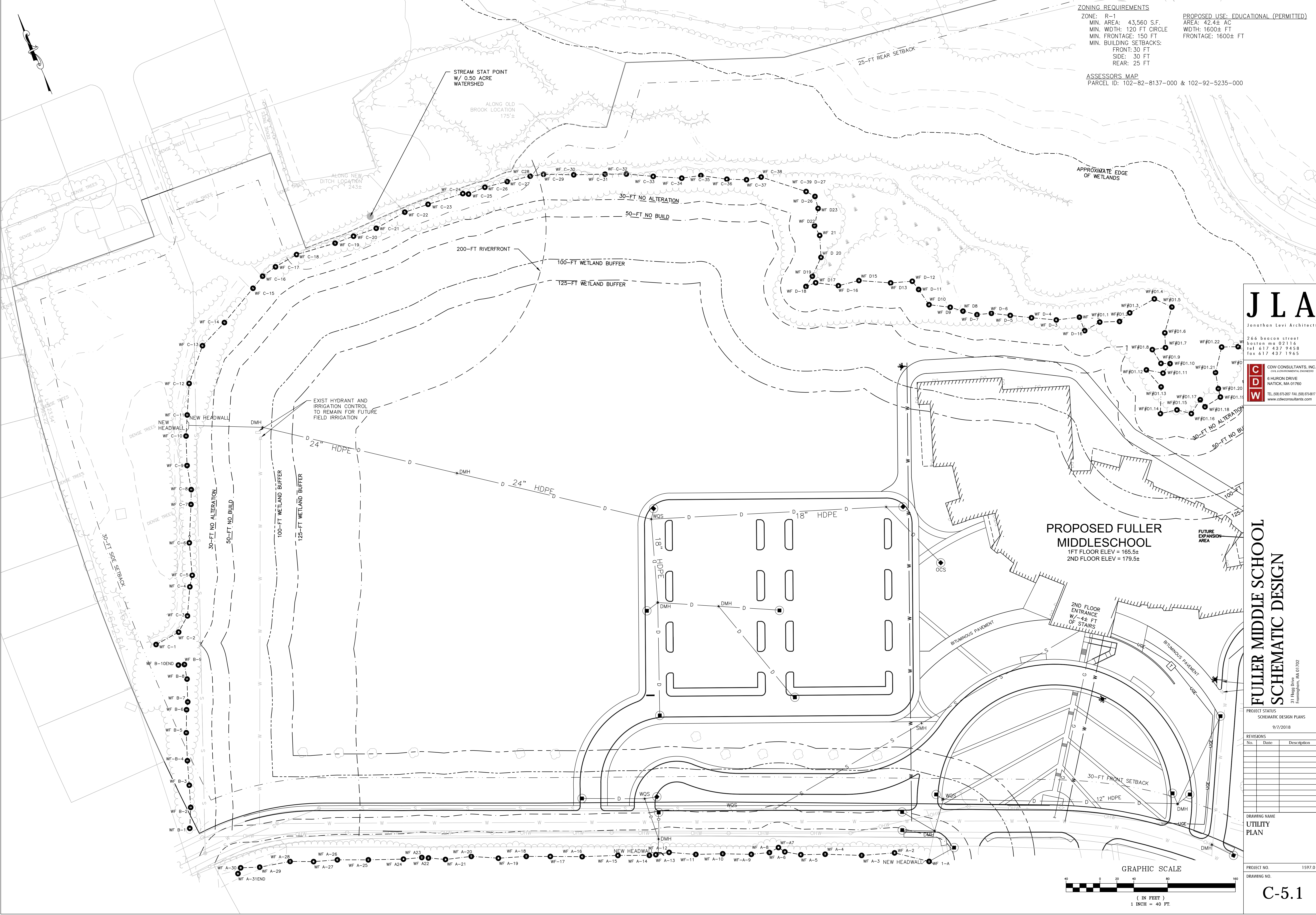
PROJECT NO. 1597.0
 DRAWING NO.

C-5.0

ZONING REQUIREMENTS
 ZONE: R-1
 MIN. AREA: 43,560 S.F.
 MIN. WIDTH: 120 FT CIRCLE
 MIN. FRONTAGE: 150 FT
 MIN. BUILDING SETBACKS:
 FRONT: 30 FT
 SIDE: 30 FT
 REAR: 25 FT

PROPOSED USE: EDUCATIONAL (PERMITTED)
 AREA: 42.4± AC
 WIDTH: 1600± FT
 FRONTAGE: 1600± FT

ASSESSORS MAP
 PARCEL ID: 102-82-8137-000 & 102-92-5235-000



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 WWW.CDWCONSULTANTS.COM

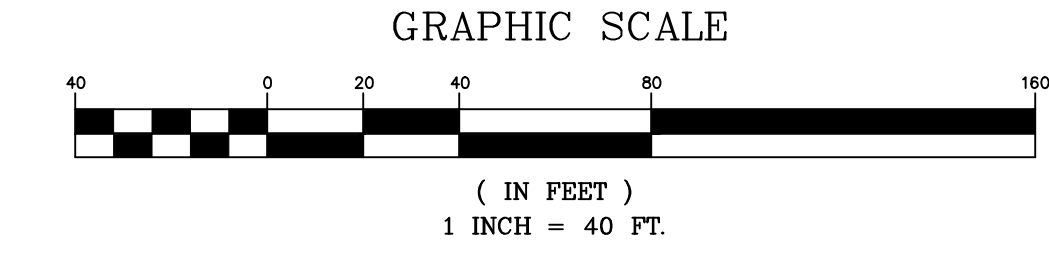
**FULLER MIDDLE SCHOOL
 SCHEMATIC DESIGN**

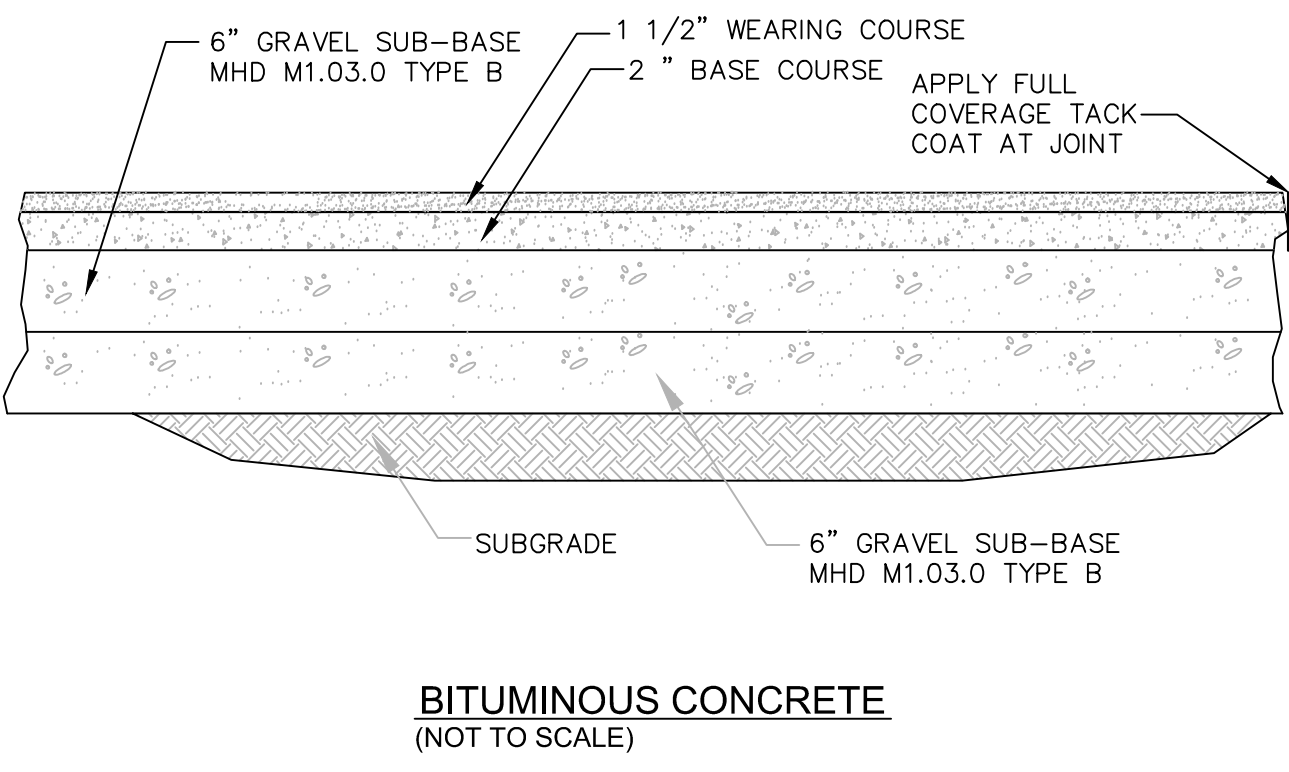
PROJECT STATUS: SCHEMATIC DESIGN PLANS
 9/7/2018

REVISIONS	No.	Date	Description

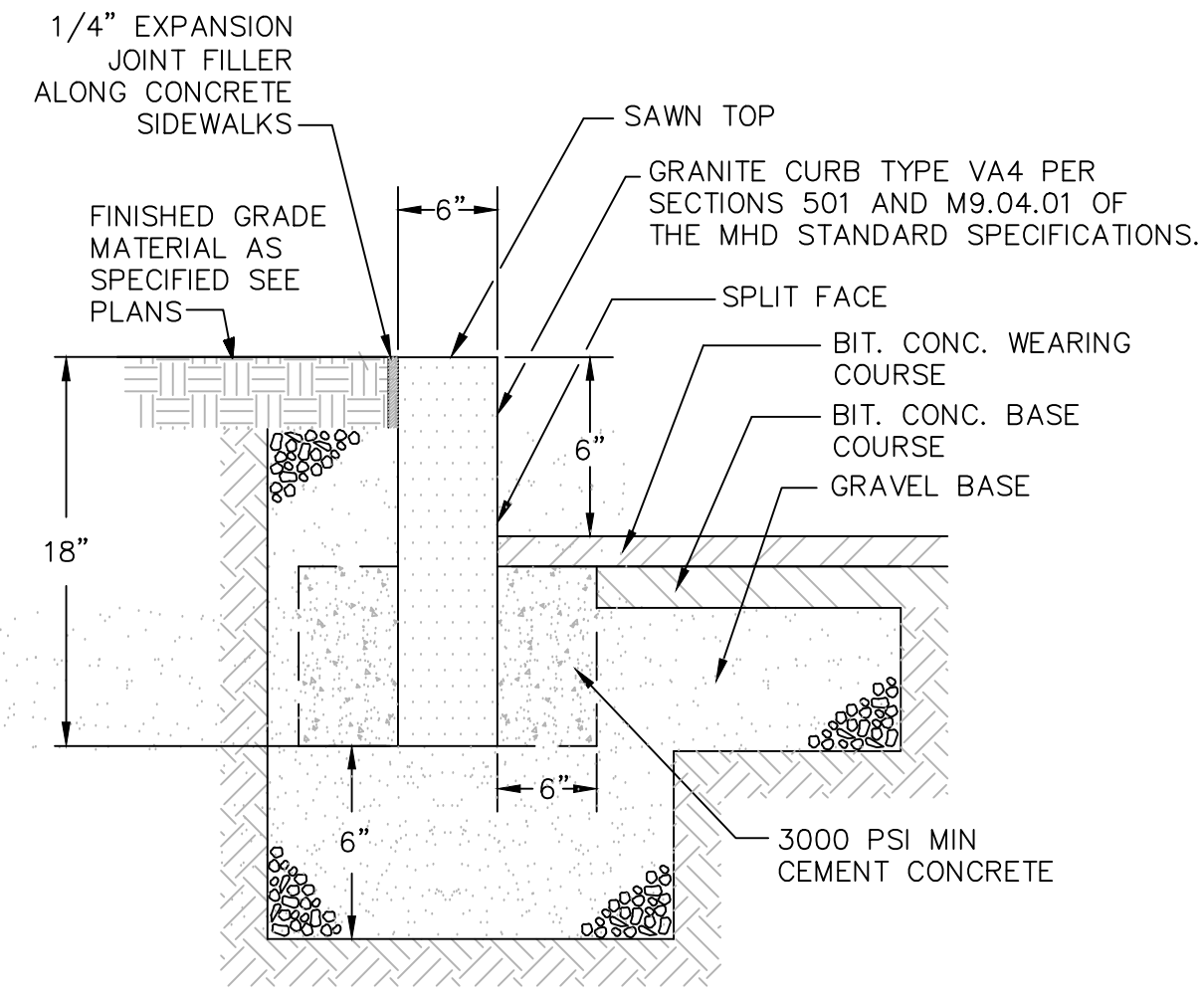
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UTILITY PLAN

PROJECT NO. 1597.0
 DRAWING NO. **C-5.1**

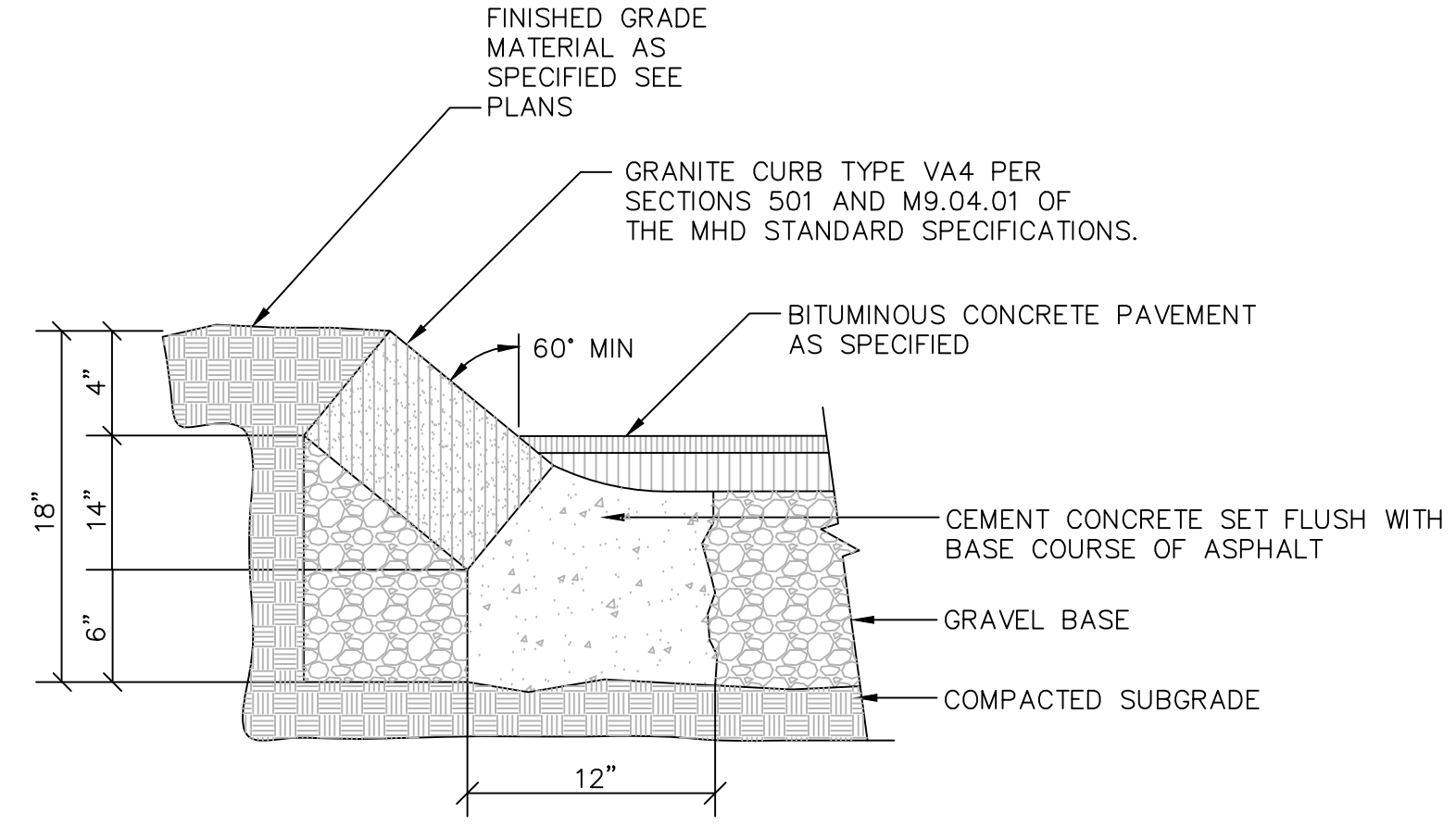




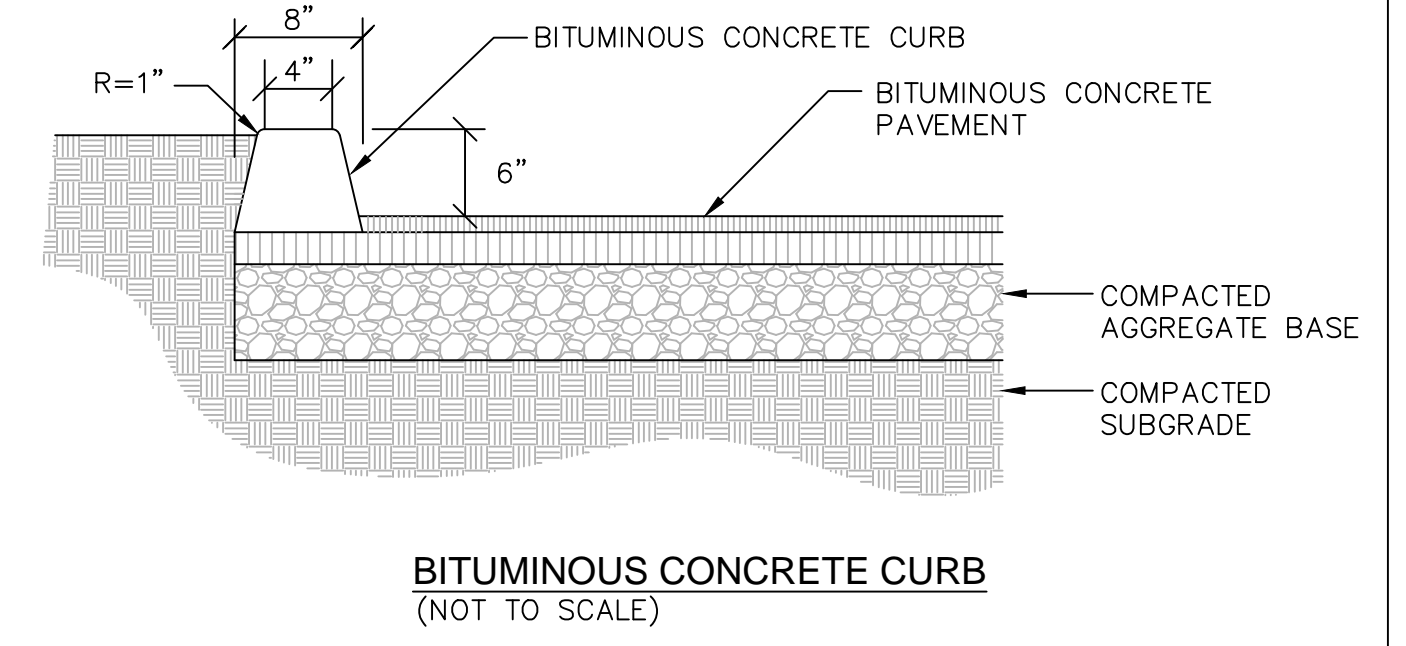
BITUMINOUS CONCRETE
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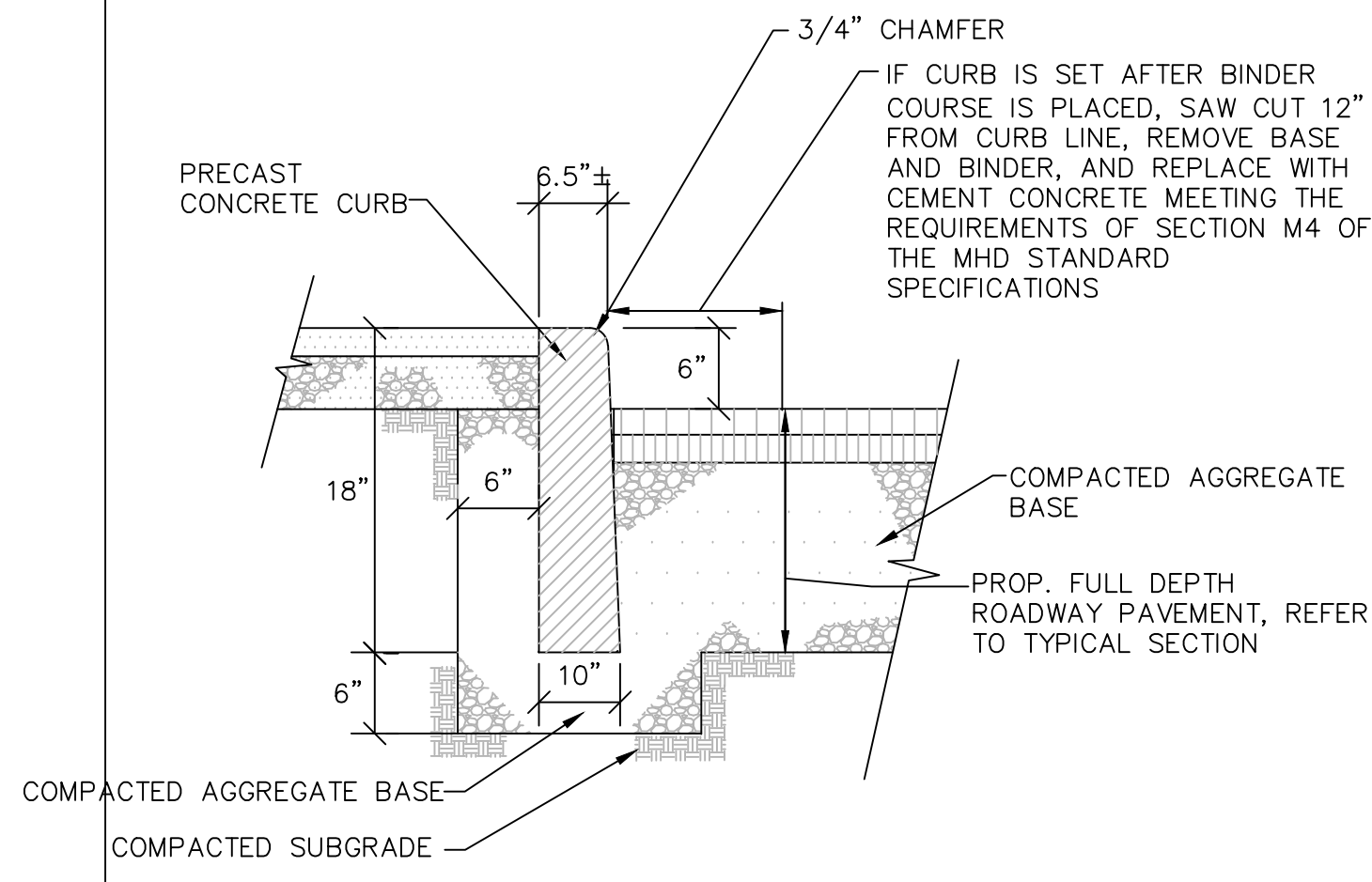
VERTICAL GRANITE CURB
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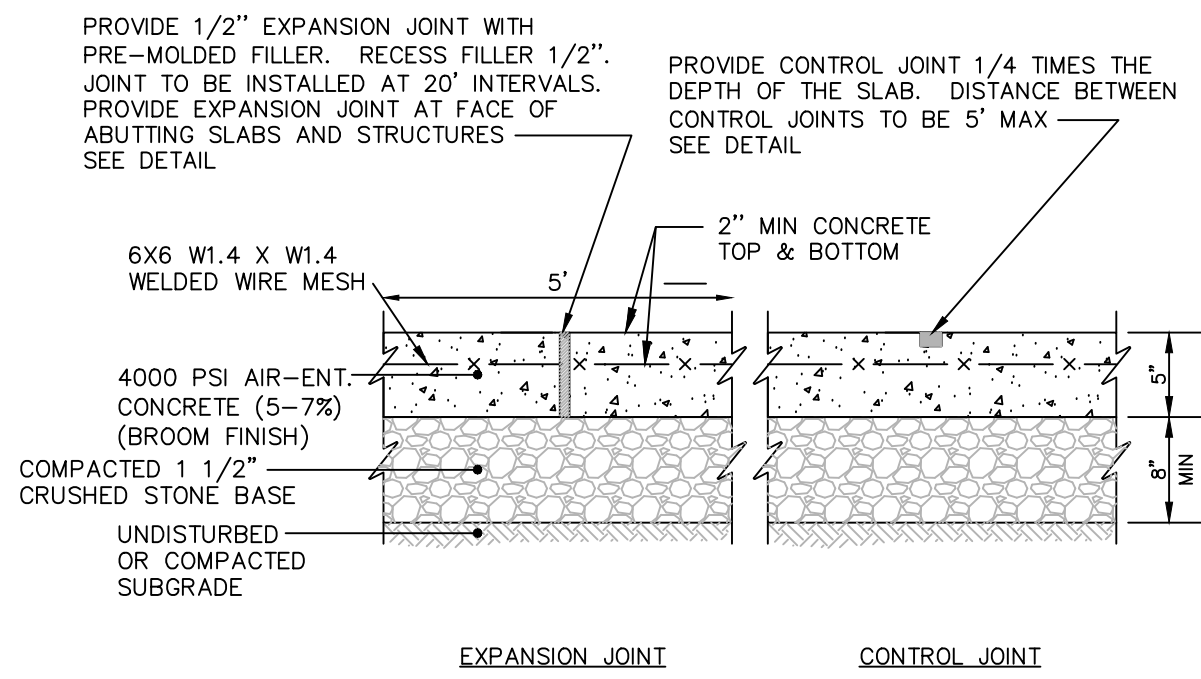
SLOPED GRANITE CURB
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BITUMINOUS CONCRETE CURB
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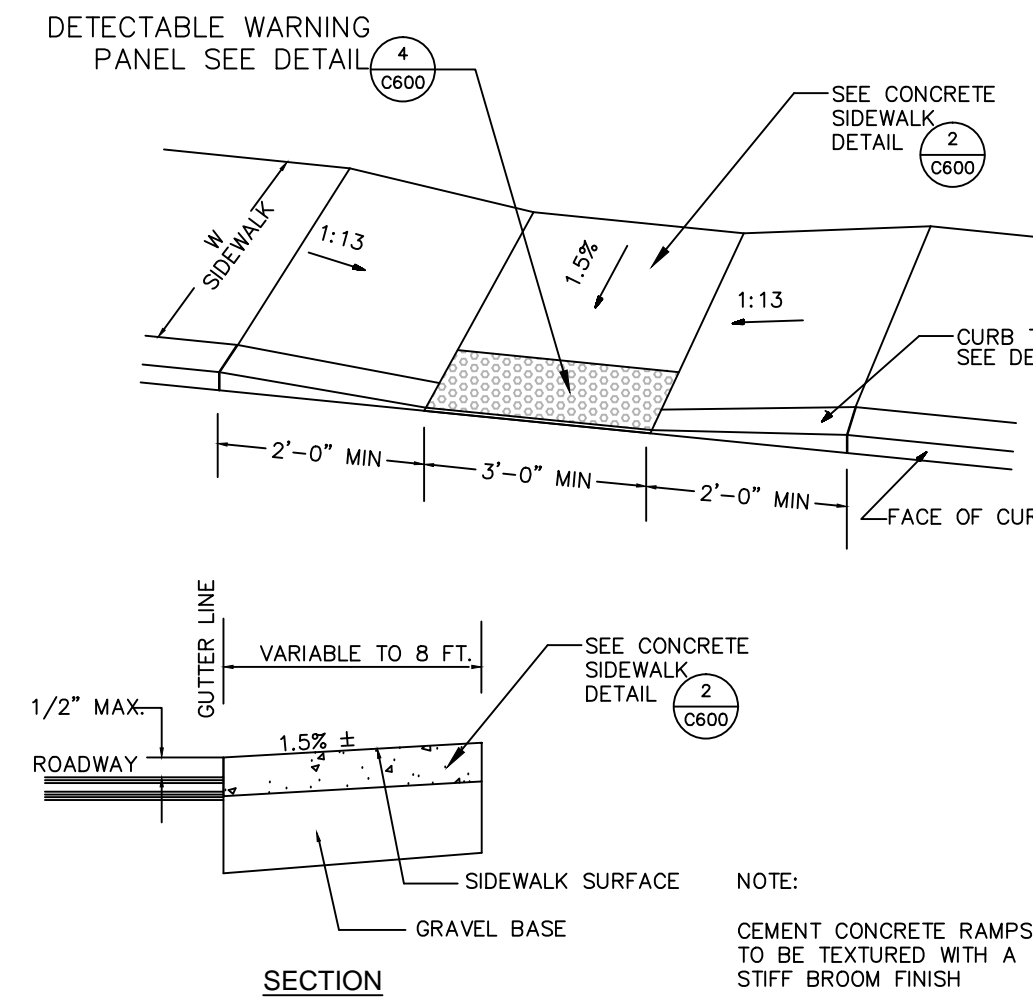


PRECAST CONCRETE CURB DETAIL
(NOT TO SCALE)

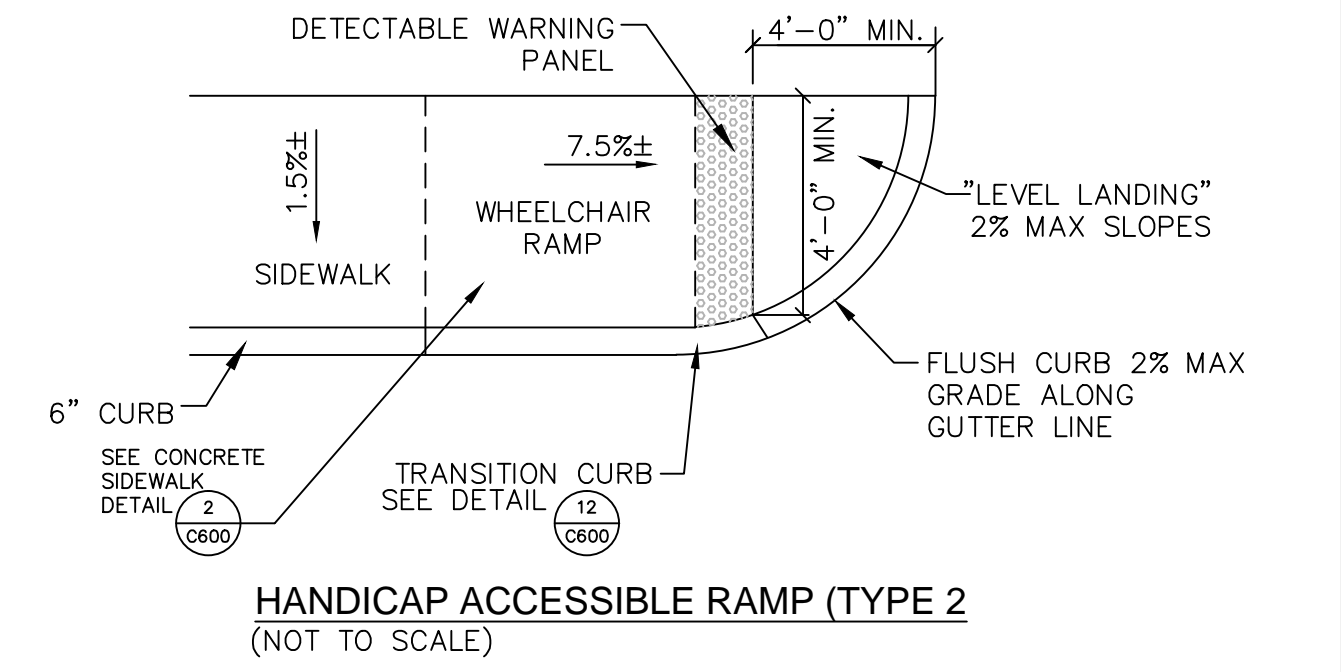


- 1. MAXIMUM CROSS SLOPE = 2%
- 2. MAXIMUM GRADIENT = 5%
- 3. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES
- 4. PROVIDE CURBING AS SHOWN ON PLANS

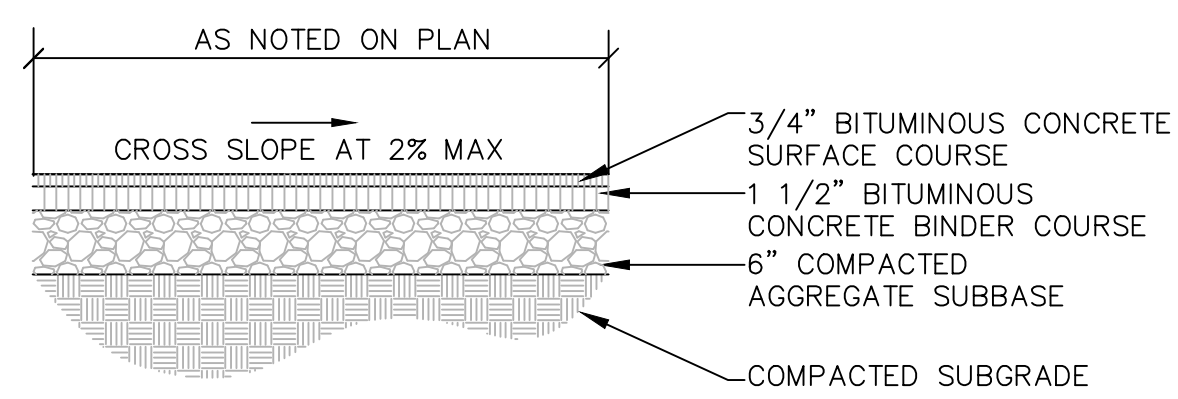
CONCRETE SIDEWALK
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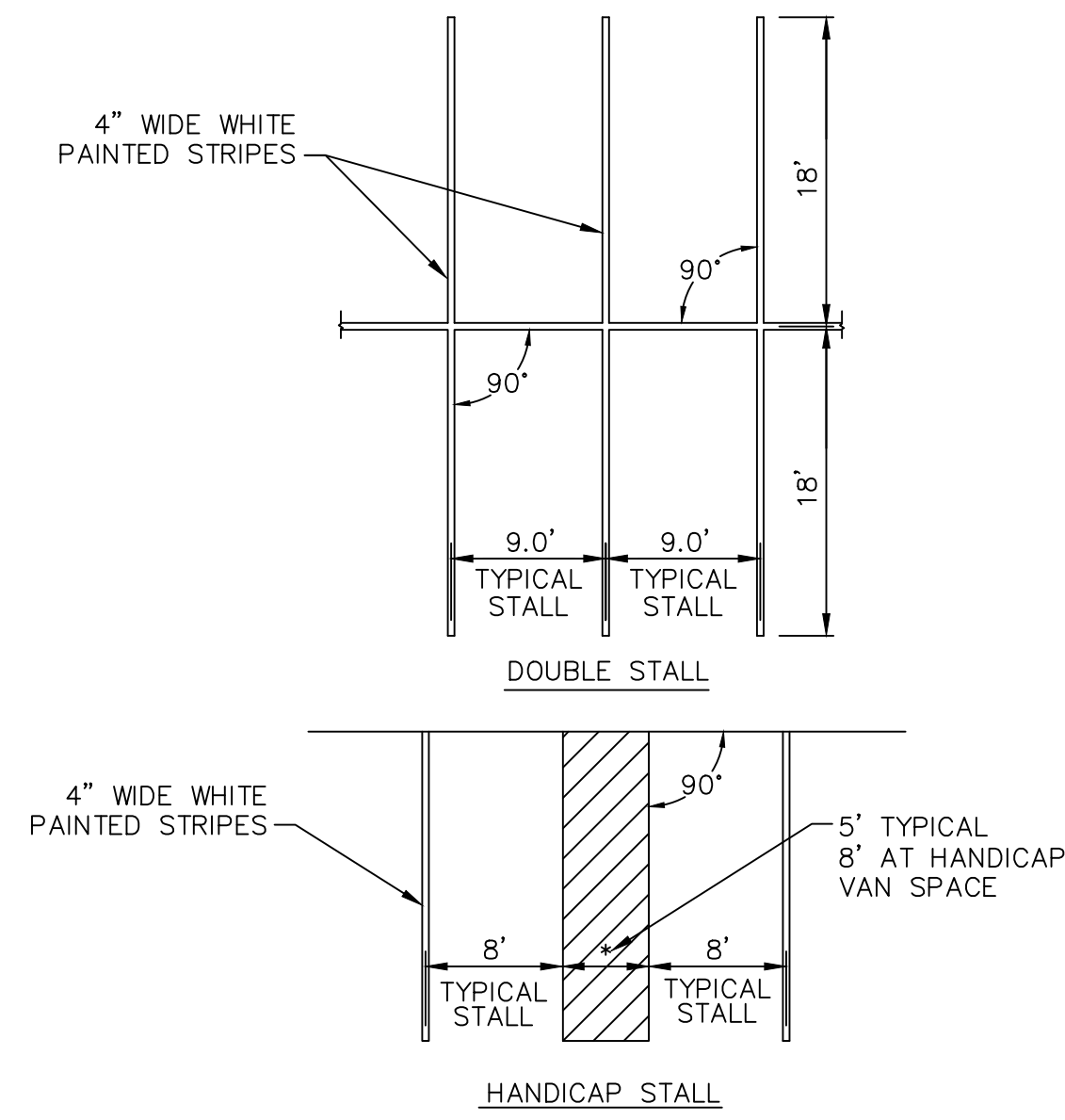
HANDICAP ACCESSIBLE RAMP (TYPE 1)
(NOT TO SCALE)



HANDICAP ACCESSIBLE RAMP (TYPE 2)
(NOT TO SCALE)

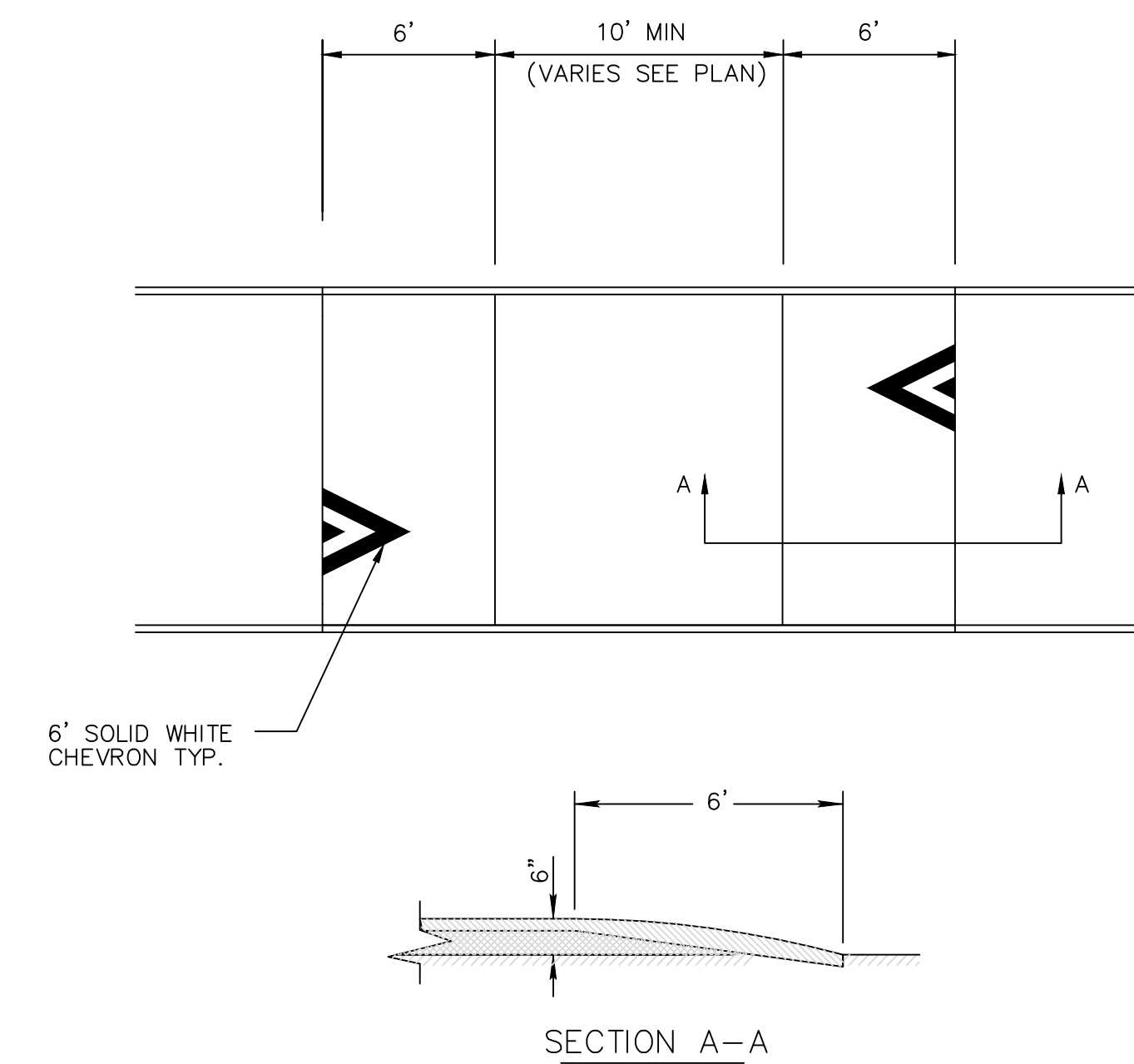


BITUMINOUS CONCRETE SIDEWALK
(NOT TO SCALE)



NOTE:
FOR GRASS PARKING AREAS USE MANUFACTURERS
RECOMMENDED METHOD TO MARK STALLS

PARKING STALL STRIPING
(NOT TO SCALE)



ROADWAY SPEED TABLE TYPICAL
(NOT TO SCALE)

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**FULLER MIDDLE SCHOOL
SCHEMATIC DESIGN**
31 Third Drive
Frammingham, MA 01702

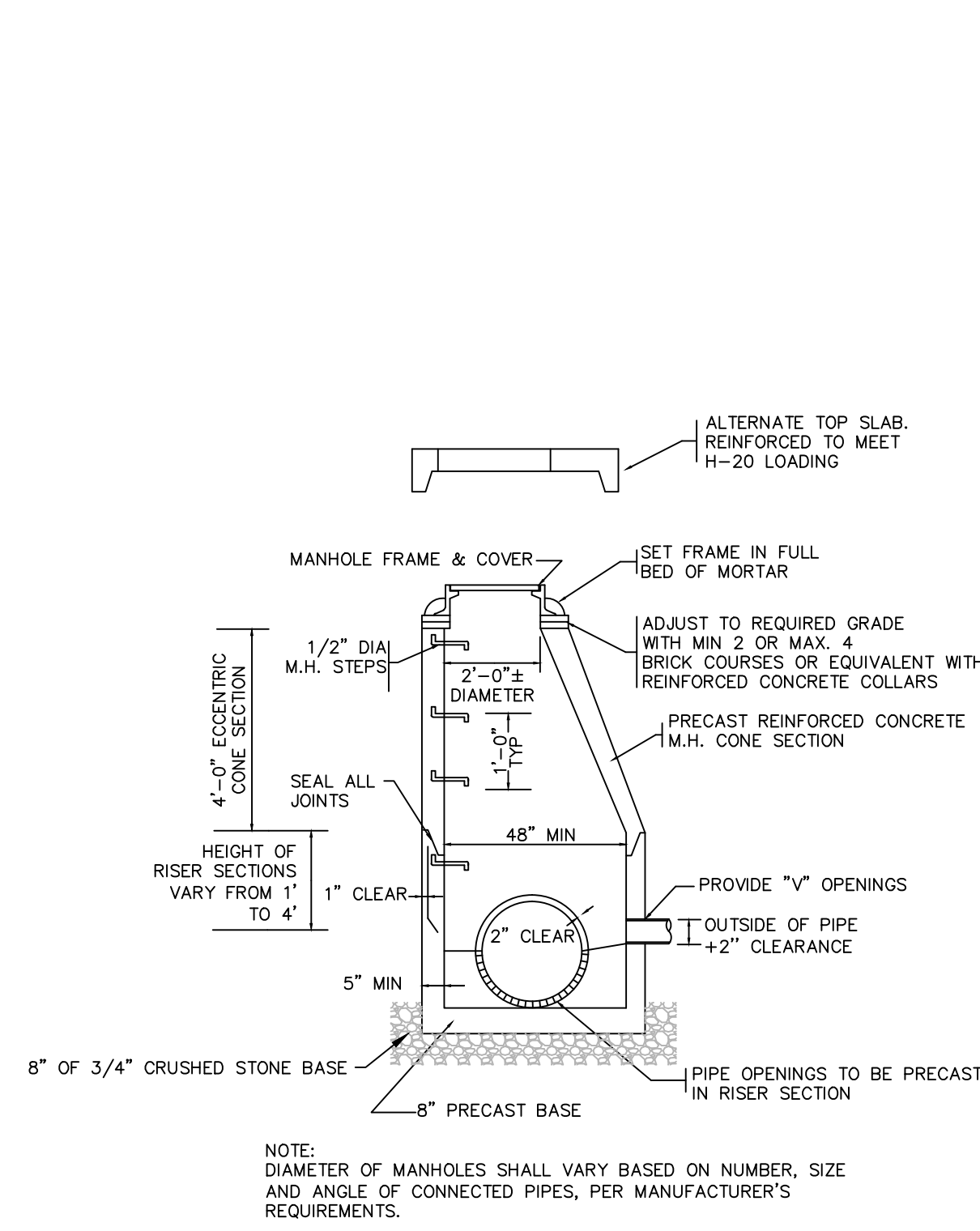
PROJECT STATUS:
SCHEMATIC DESIGN PLANS
9/7/18

REVISIONS		
No.	Date	Description

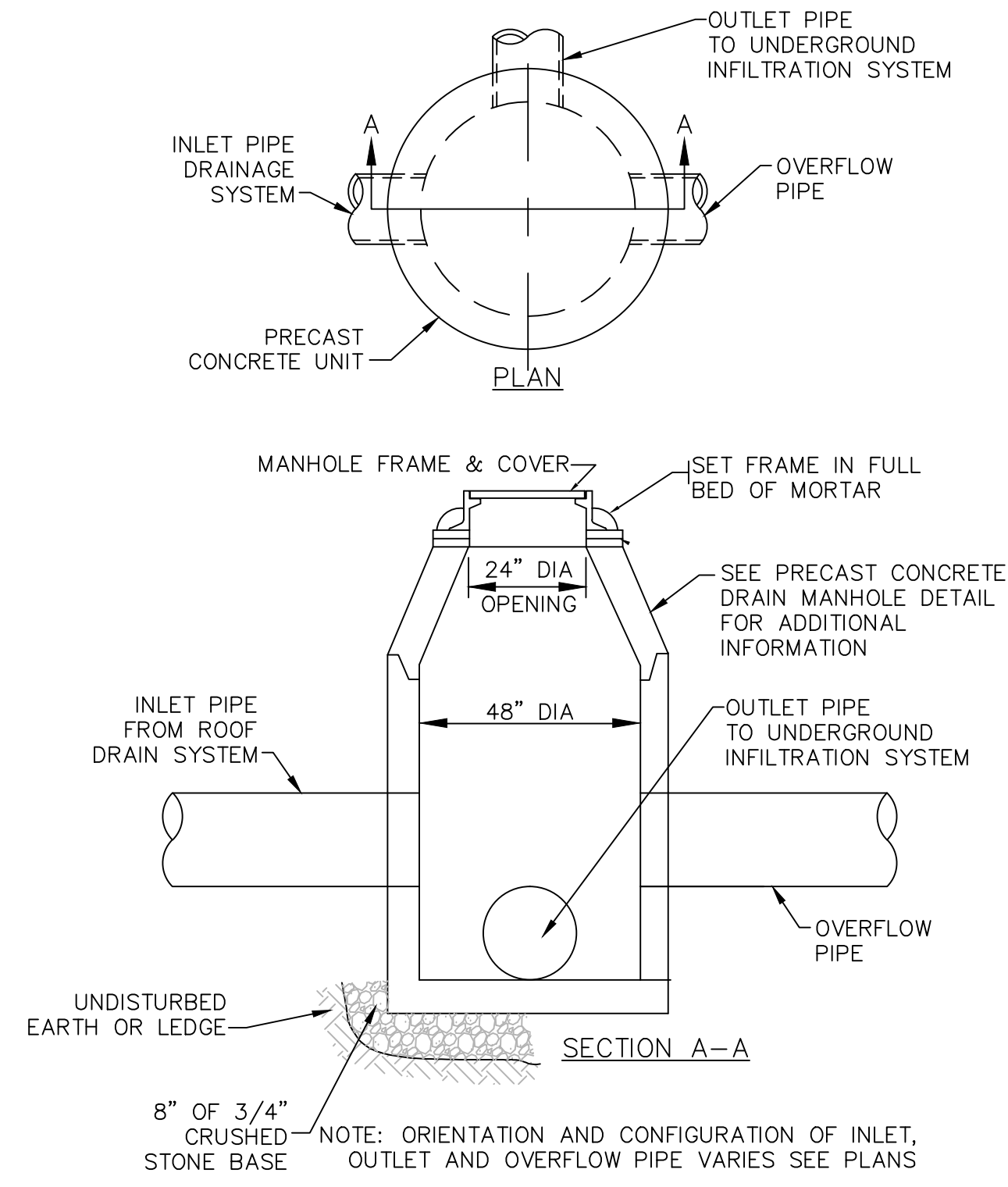
DRAWING NAME:
**CONSTRUCTION
SITE DETAILS**

PROJECT NO. 1597.0
DRAWING NO.

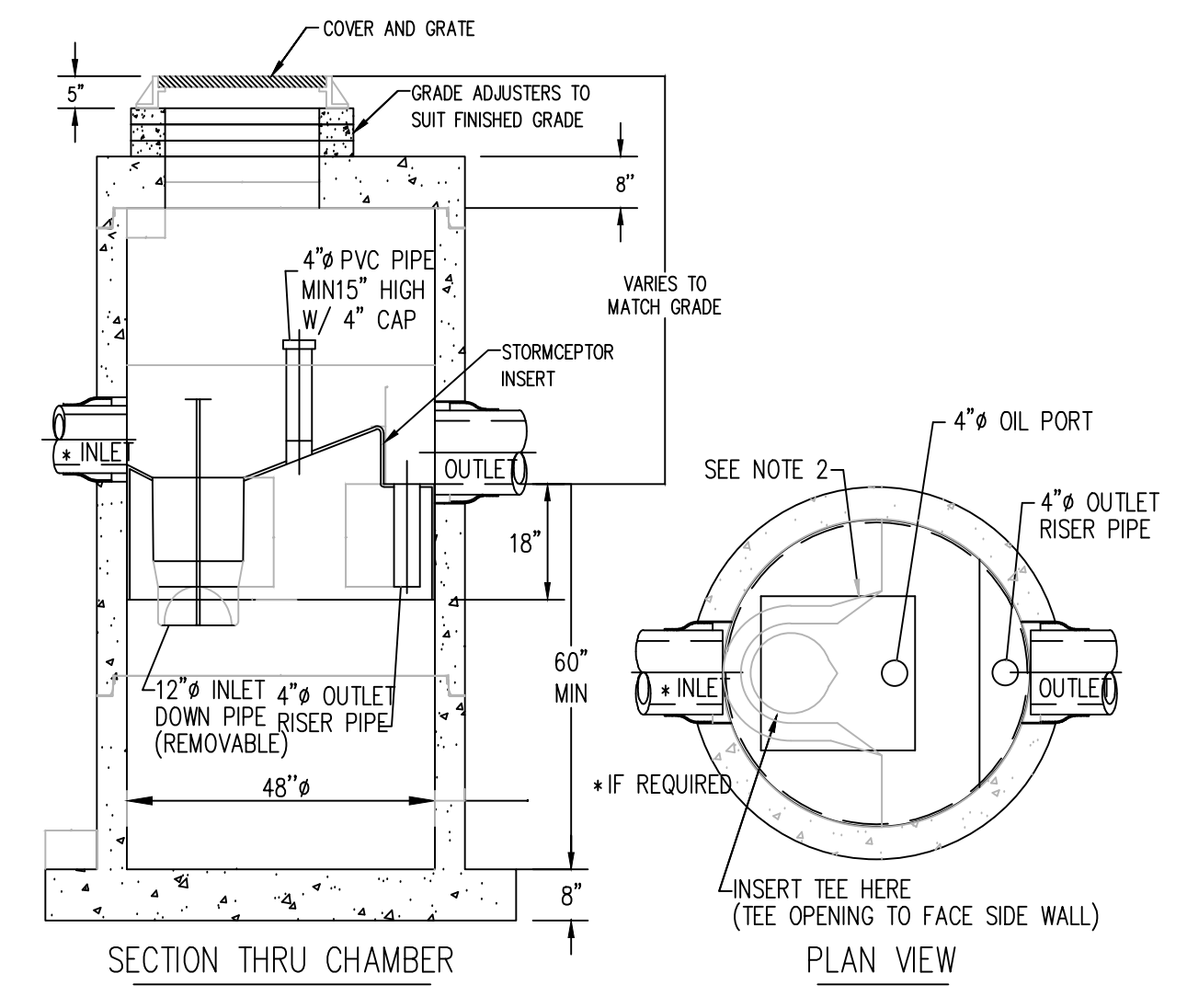
C-6.0



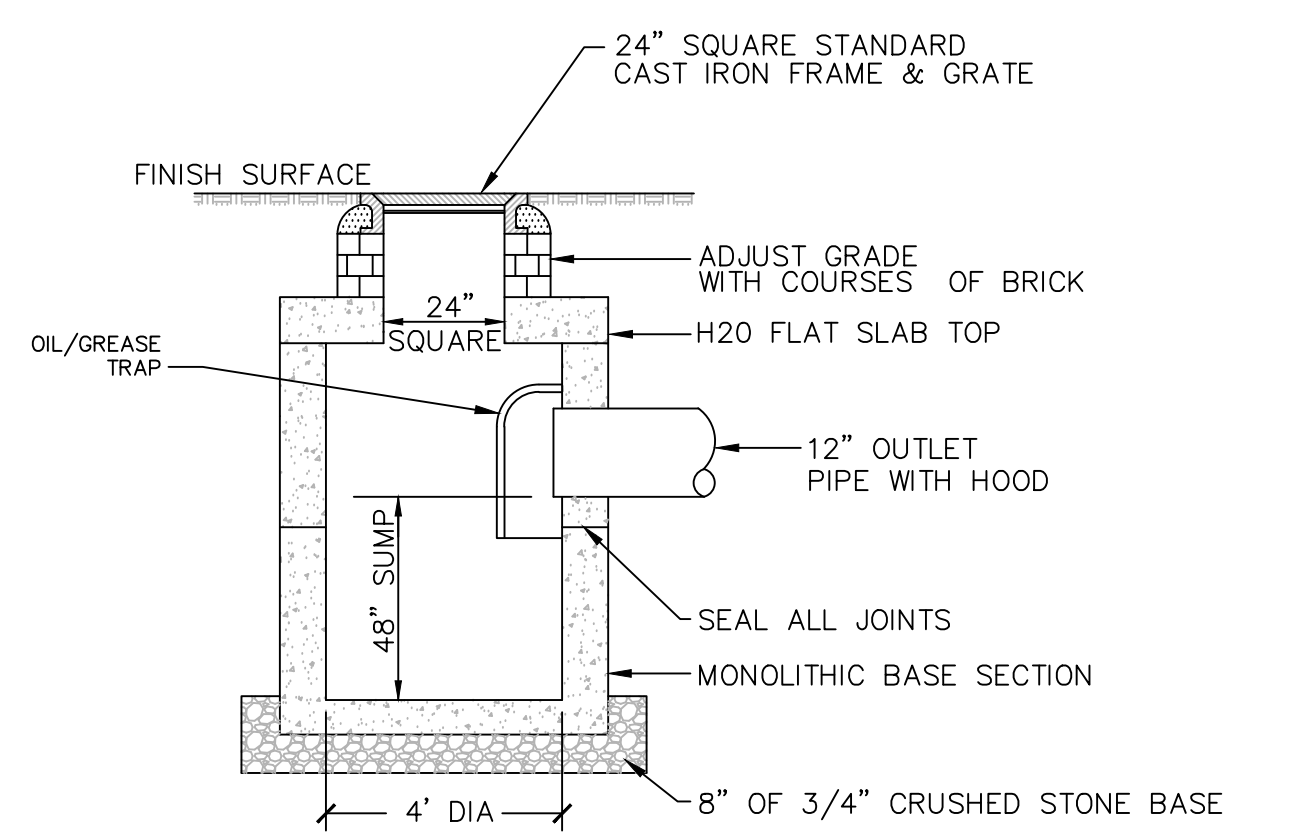
PRECAST CONCRETE DRAIN MANHOLE
(NOT TO SCALE)



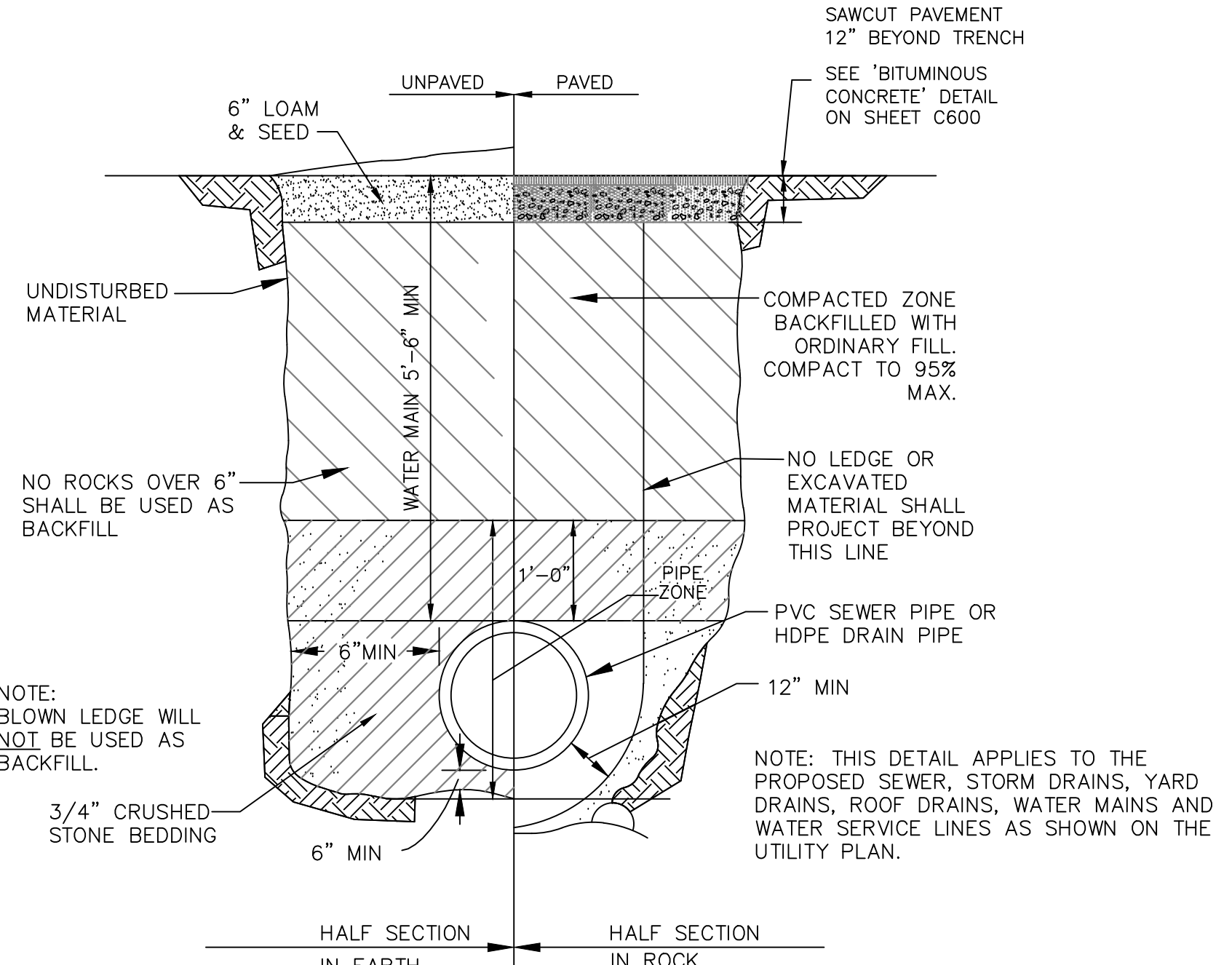
OUTLET CONTROL STRUCTURE (OCS)
(NOT TO SCALE)



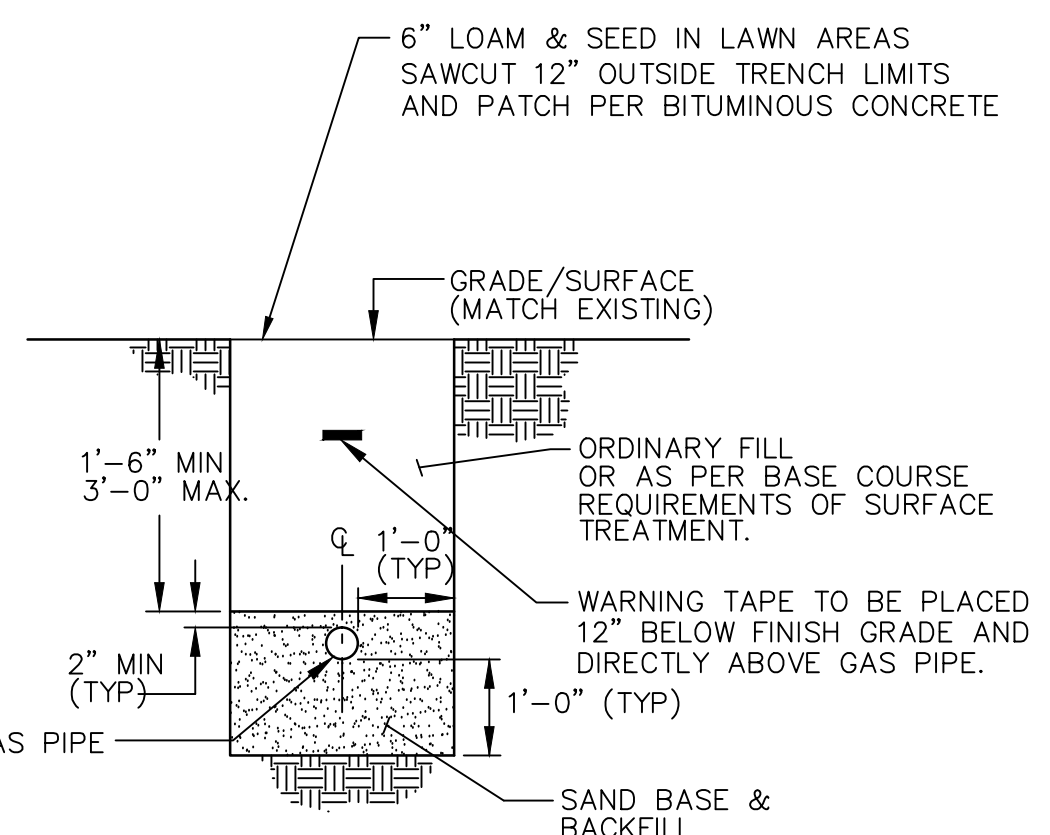
WATER QUALITY STRUCTURE
(NOT TO SCALE)



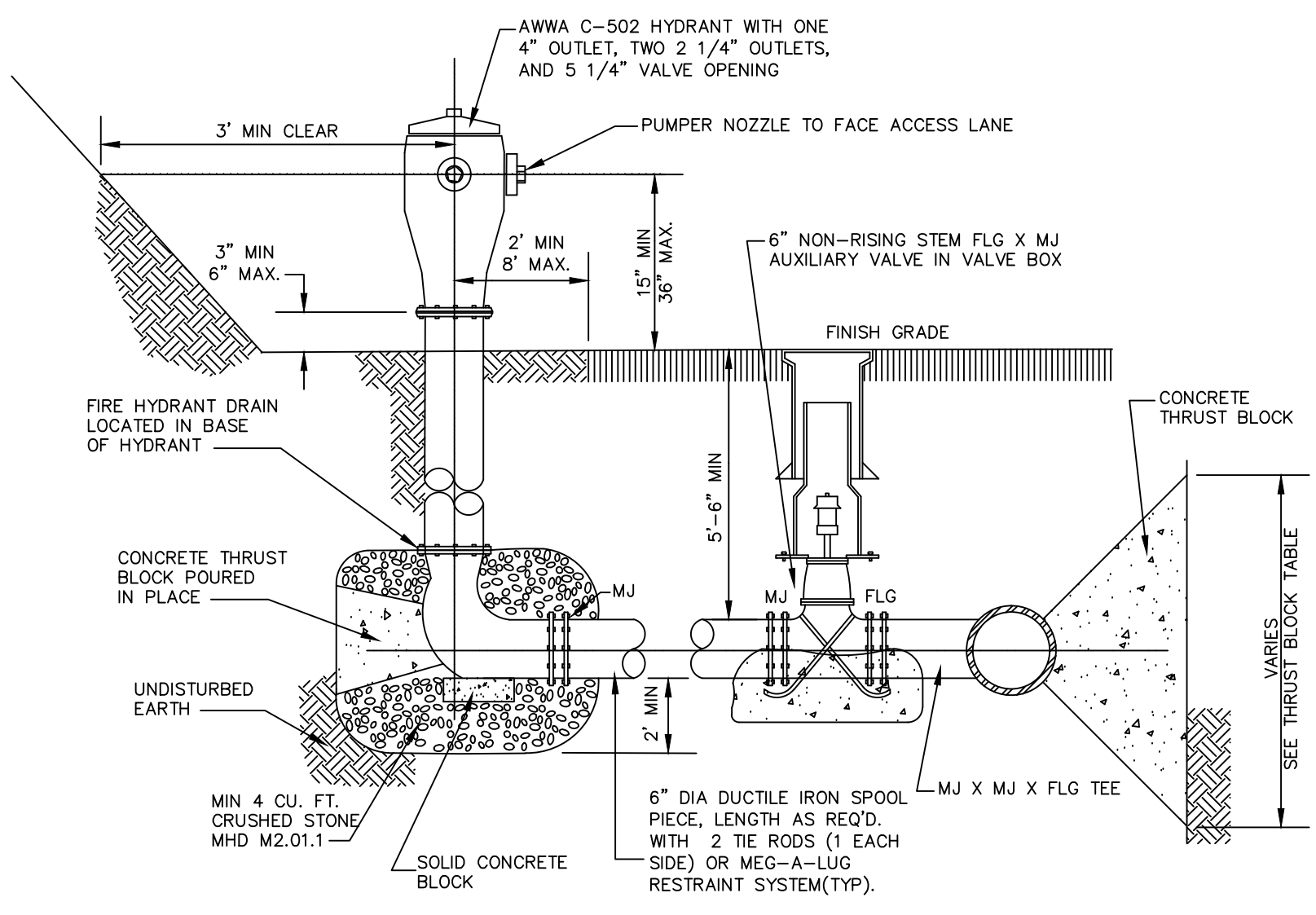
PRECAST CONCRETE CATCH BASIN W/TRAP
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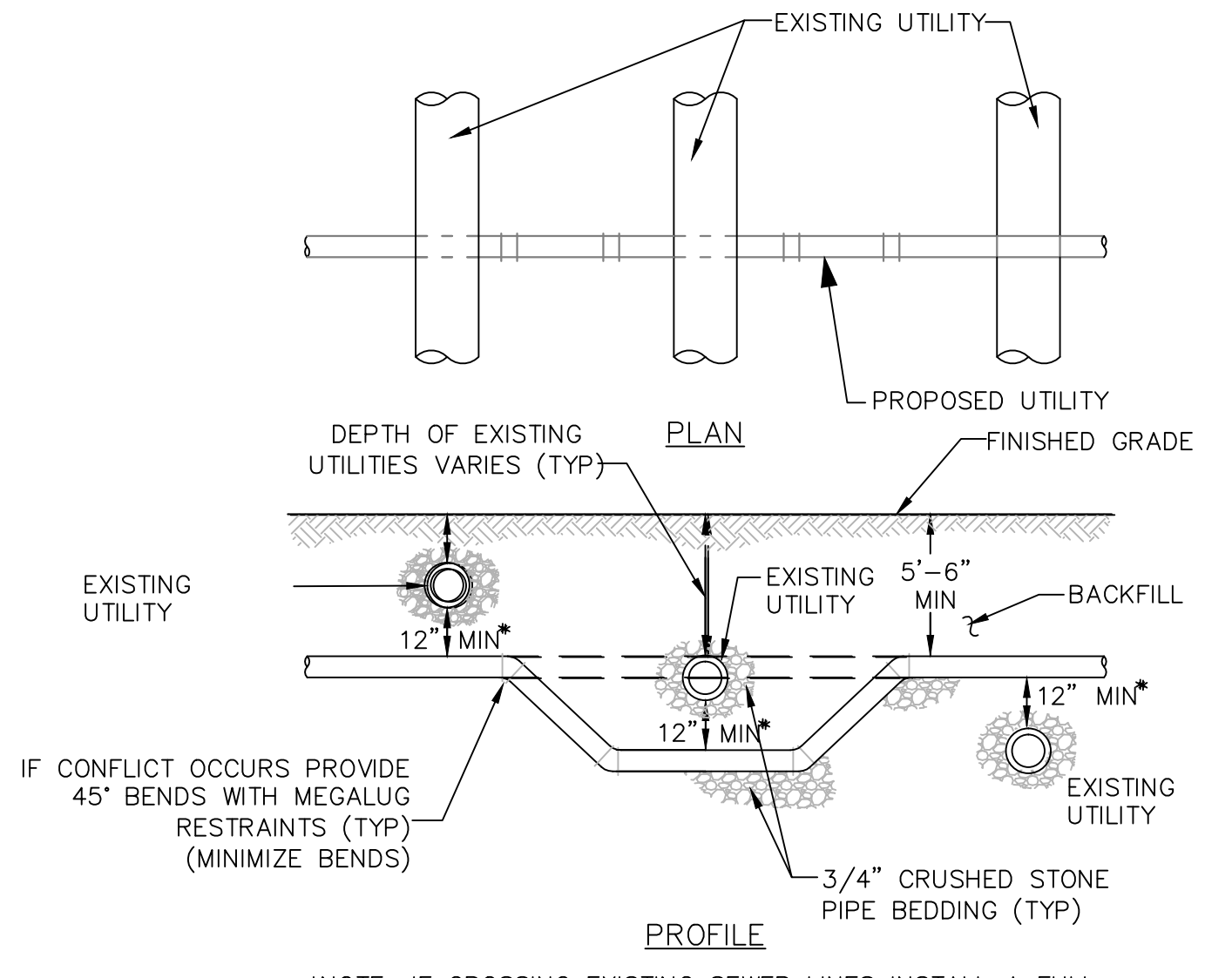
TYPICAL PIPE IN TRENCH
(NOT TO SCALE)



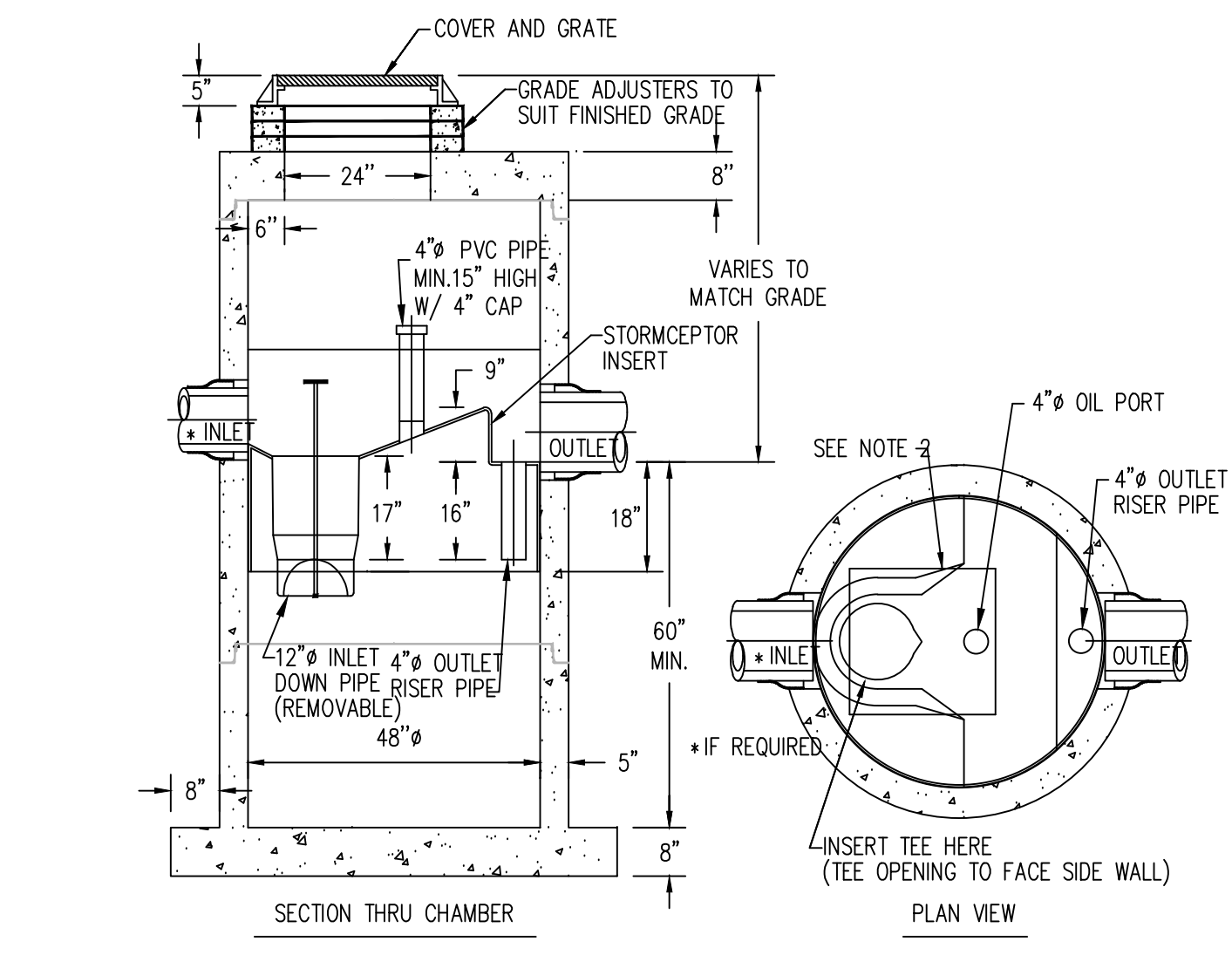
GAS TRENCH DETAIL
(NOT TO SCALE)



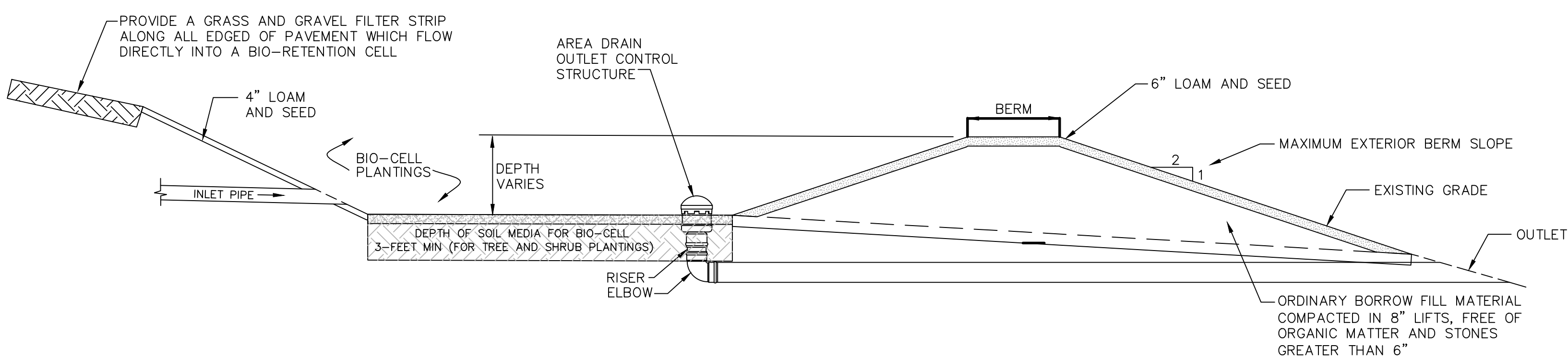
FIRE HYDRANT ASSEMBLY
(NOT TO SCALE)



UTILITY CROSSING DETAIL
(NOT TO SCALE)

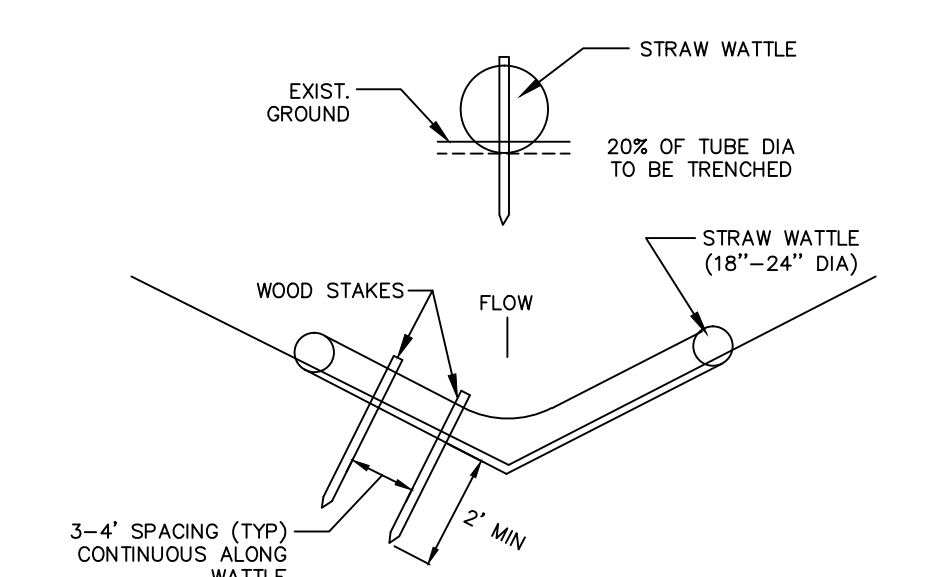


STORMWATER WATER QUALITY STRUCTURE
(NOT TO SCALE)



TYPICAL RAIN GARDEN/RETENTION BASIN CROSS SECTION
(NOT TO SCALE)

SLOPE	ON SLOPE SPACING (FT)	MIN DIAMETER (INCH)
<6:1	50	12
6:1 - 4:1	25	20
4:1 - 2:1	20	20
2:1 - 1:1	10	20
>1:1	5	20



EROSION CONTROL BARRIER, STRAW WATTLES (TYP)
NOT TO SCALE

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CDW
CDW CONSULTANTS, INC.
ONE WASHINGTON SQUARE
6 HURON DRIVE
NATICK, MA 01760
TEL: (508) 875-3827 FAX: (508) 875-4877
WWW.CDWCONSULTANTS.COM

FULLER MIDDLE SCHOOL
SCHEMATIC DESIGN
33 Flagg Drive
Frammingham, MA 01702

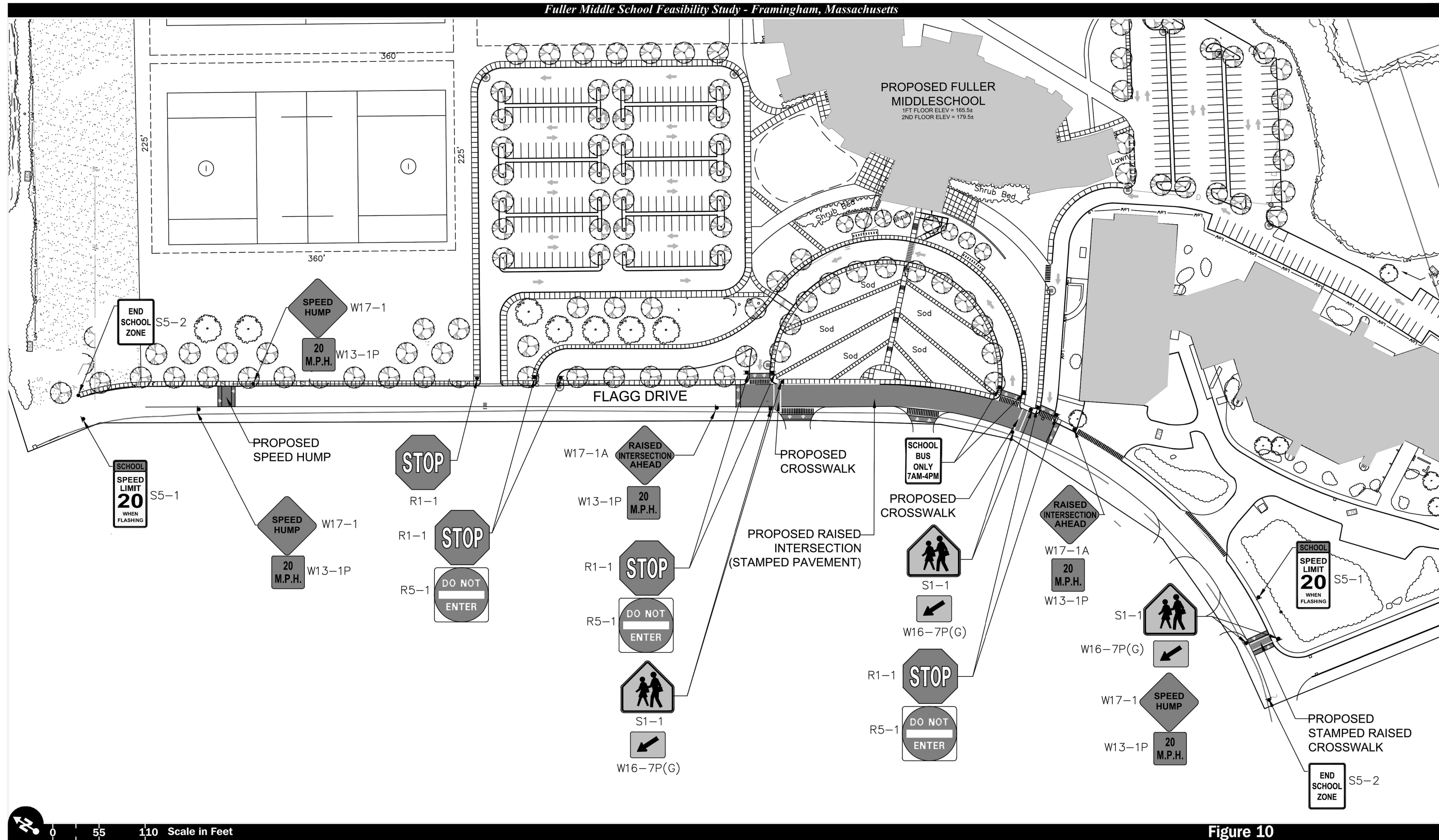
PROJECT STATUS
SCHEMATIC DESIGN PLANS
9/7/18

REVISIONS		
No.	Date	Description

DRAWING NAME
CONSTRUCTION SITE DETAILS

PROJECT NO. 1597.0
DRAWING NO.

C-6.1



0 55 110 Scale in Feet

VAI Vanasse & Associates, Inc.
Transportation Engineers & Planners

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Figure 10

Proposed School Signage Plan

JLA

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Fuller Middle School
SCHEMATIC DESIGN

PROJECT STATUS

SCHEMATIC DESIGN PLANS

9/7/18

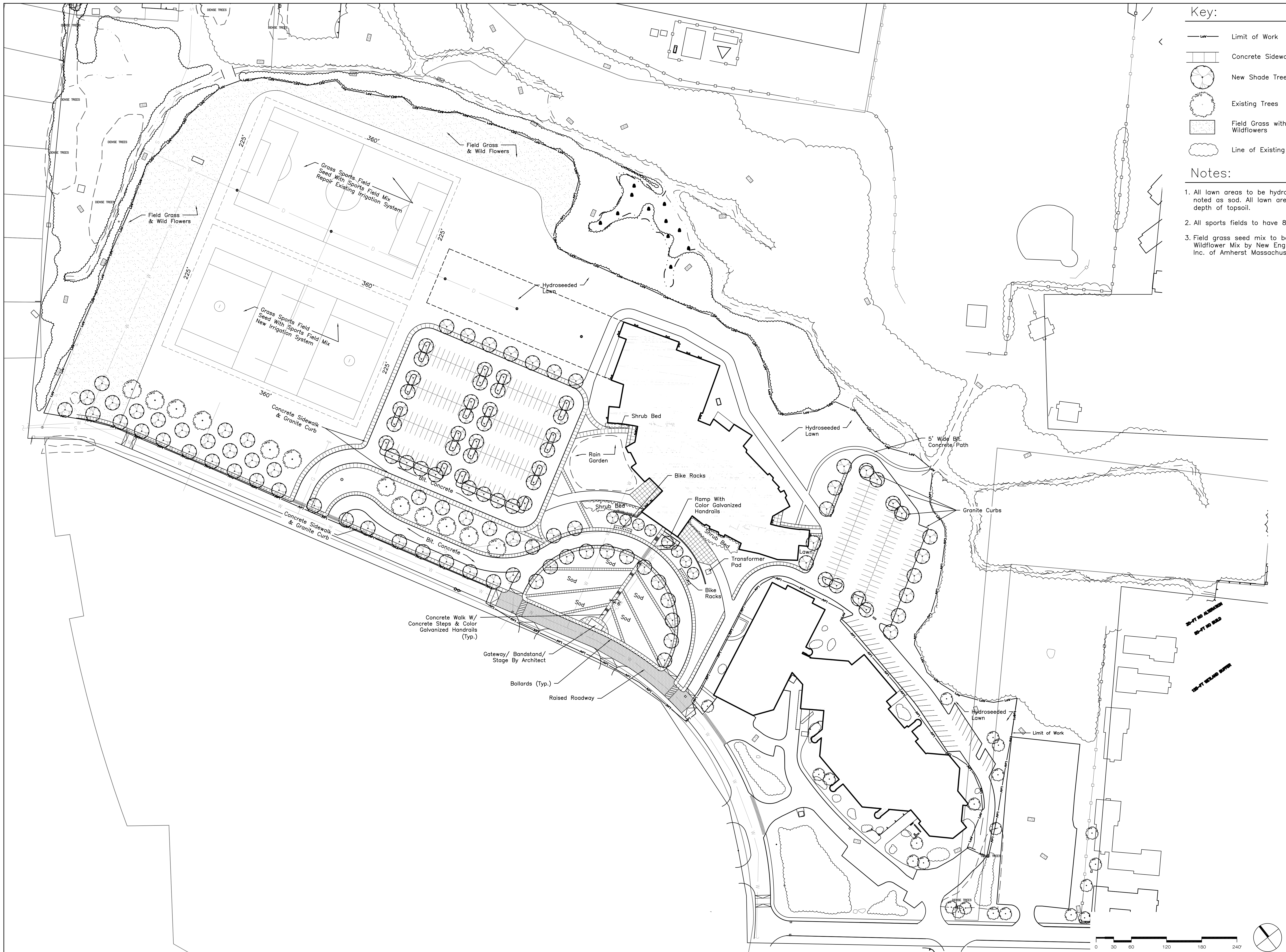
REVISIONS		
No.	Date	Description

DRAWING NAME
CONSTRUCTION
SITE DETAILS

PROJECT NO. 1597.0

DRAWING NO. C-6.2

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- Key:**
- Limit of Work
 - Concrete Sidewalk
 - New Shade Trees (3 - 3 1/2" CAL)
 - Existing Trees
 - Field Grass with Grass with Wildflowers
 - Line of Existing Vegetation

- Notes:**
1. All lawn areas to be hydroseeded, unless noted as sod. All lawn areas to receive 6" depth of topsoil.
 2. All sports fields to have 8" depth of topsoil.
 3. Field grass seed mix to be New England Wildflower Mix by New England Wetland Plants Inc. of Amherst Massachusetts.

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G&A Landscape Architects LLC
 11 Flagg Drive
 Framingham, MA 01702

FULLER MIDDLE SCHOOL

PROJECT STATUS
 Preliminary Existing
 Conditions
 11/20/2017

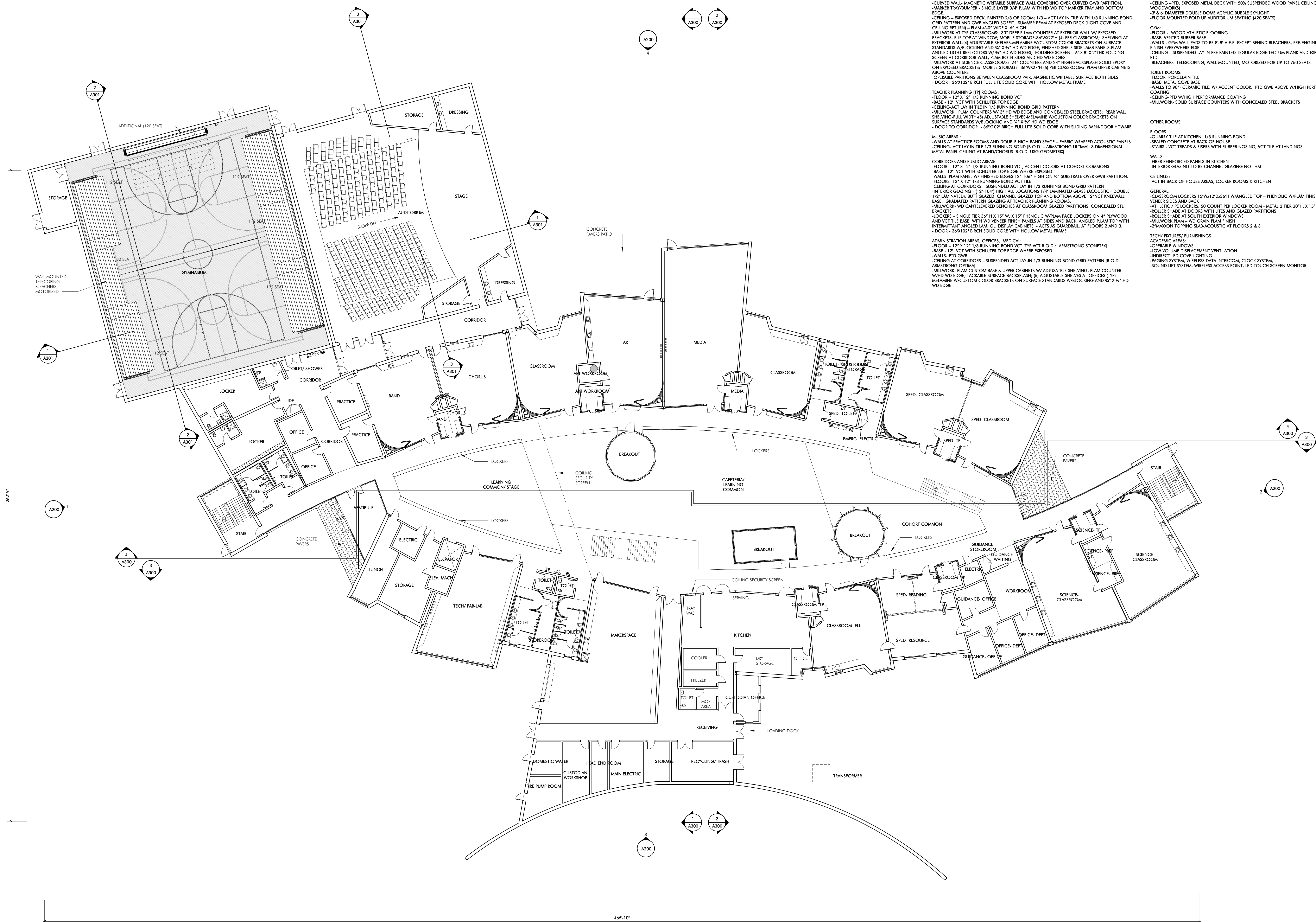
REVISIONS

No.	Date	Description
1	8/15/2018	Revised Plan
2	8/30/2018	Coordination

DRAWING NAME
 LANDSCAPE
 PLAN

PROJECT 1597.0
 DRAWING NO.

L-1.0



FINISHES - INTERIOR

ACADEMIC AREAS, CLASSROOMS, SCIENCE, MEDIA, ART, MUSIC, VOCATIONAL, SPED
 - FLOOR - 12" X 12" 1/2 RUNNING BOND VCT (TPV VCT B.O.D.) - ARMSTRONG STONETEX
 - BASE - 1" VCT WITH SCHLUTER TOP EDGE WHERE EXPOSED
 - LOWER WALL (87"-114") - MAGNETIC WRITABLE SURFACE WALL COVERING
 - UPPER WALL (104"-128") - PAINTED GWS
 - CURVED WALL - MAGNETIC WRITABLE SURFACE WALL COVERING OVER CURVED GWS PARTITION
 - MARKER TRAY/CUMBER - SINGLE LAYER 3/4" PLAM WITH HD WD MARKER TRAY AND BOTTOM EDGE
 - CEILING - EXPOSED DECK, PAINTED 2/3 OF ROOM; 1/3 - ACT LAY IN TILE WITH 1/3 RUNNING BOND GRID PATTERN AND GWS ANGELED SOFFIT. SUMMER BEAM AT EXPOSED DECK (LIGHT COVE AND CEILING RETURN) - PLAM 4" WIDE X 8" HIGH
 - MILLWORK AT TYP CLASSROOMS: 30" DEEP PLAM COUNTER AT EXTERIOR WALL W/ EXPOSED BRACKETS; 810" TOP AT WINDOW; MOBILE STORAGE: 36"WX27"H (6) PER CLASSROOM; SHELVEING AT EXTERIOR WALL (4) ADJUSTABLE SHELVES-MELAMINE W/CUSTOM COLOR BRACKETS ON SURFACE STANDARD W/BLOCKING AND 9" X 8" HD WD EDGE. FINISHED SHELF SIDE JAMB PANELS-PLAM ANGELED LIGHT REFLECTORS W/ 1/2 HD WD EDGES. FOLDING SCREEN - 4" X 8" X 2" THK FOLDING SCREEN AT CORRIDOR WALL, PLAM BOTH SIDES AND HD WD EDGES
 - MILLWORK AT SCIENCE CLASSROOMS: 24" COUNTERS AND 24" HIGH BACKSPASH-SOLID EPOXY ON EXPOSED BRACKETS; MOBILE STORAGE: 36"WX27"H (6) PER CLASSROOM; PLAM UPPER CABINETS ABOVE COUNTERTOPS
 - OPERABLE PARTITIONS BETWEEN CLASSROOM PAIR, MAGNETIC WRITABLE SURFACE BOTH SIDES
 - DOOR - 36"X102" BIRCH FULL LITE SOLID CORE WITH HOLLOW METAL FRAME

TEACHER PLANNING (TP) ROOMS
 - FLOOR - 12" X 12" 1/2 RUNNING BOND VCT
 - BASE - 1" VCT WITH SCHLUTER TOP EDGE
 - CEILING-ACT LAY IN TILE IN 1/3 RUNNING BOND GRID PATTERN
 - MILLWORK: PLAM COUNTERS W/ 3" HD WD EDGE AND CONCEALED STEEL BRACKETS; REAR WALL SHELVEING-FULL WIDTH-36" ADJUSTABLE SHELVES-MELAMINE W/CUSTOM COLOR BRACKETS ON SURFACE STANDARD W/BLOCKING AND 9" X 8" HD WD EDGES
 - DOOR TO CORRIDOR - 36"X102" BIRCH FULL LITE SOLID CORE WITH SLIDING BARN-DOOR HDWARE

MUSIC AREAS
 - WALLS AT PRACTICE ROOMS AND DOUBLE HIGH BAND SPACE - FABRIC WRAPPED ACOUSTIC PANELS
 - CEILING- ACT LAY IN TILE 1/3 RUNNING BOND B.O.D. - ARMSTRONG ULTIMA, 3 DIMENSIONAL METAL PANEL, CEILING AT BAND/CHORUS (B.O.D.) 105 GIGAWATT

CORRIDORS AND PUBLIC AREAS
 - FLOOR - 12" X 12" 1/2 RUNNING BOND VCT, ACCENT COLORS AT COHORT COMMONS
 - BASE - 1" VCT WITH SCHLUTER TOP EDGE WHERE EXPOSED
 - WALLS- PLAM PANEL W/ FINISHED EDGES 12"-18" HIGH ON 1/4" SUBSTRATE OVER GWS PARTITION.
 - FLOORS - 12" X 12" 1/2 RUNNING BOND VCT
 - CEILING AT CORRIDORS - SUSPENDED ACT LAY IN 1/3 RUNNING BOND GRID PATTERN
 - INTERIOR GLAZING - 12"-104" HIGH ALL LOCATIONS 1/4" LAMINATED GLASS (ACROUSTIC - DOUBLE 1/2" LAMINATED), BUTT GLAZED, CHANNEL GLAZED TOP AND BOTTOM ABOVE 12" VCT KNEEWALL BASE. GRADUATED PATTERN GLAZING AT TEACHER PLANNING ROOMS.
 - MILLWORK: W/ CATERING/BENCHES AT CLASSROOM GLAZED PARTITIONS, CONCEALED STL BRACKETS
 - LOCKERS - SINGLE TIER 36" X 12" X 18" W/ 1" X 1/2" PHENOLIC W/PLAM FACE LOCKERS ON 4" PLYWOOD AND VCT TILE BASE, WITH HD VENEER FINISH PANELS AT SIDES AND BACK, ANGELED PLAM TOP WITH INTERMITTENT ANGELED LAM. GL. DISPLAY CABINETS - ACTS AS GUARDRAIL AT FLOORS 2 AND 3.
 - DOOR - 36"X102" BIRCH SOLID CORE WITH HOLLOW METAL FRAME

ADMINISTRATION AREAS, OFFICES, MEDICAL
 - FLOOR - 12" X 12" 1/2 RUNNING BOND VCT (TPV VCT B.O.D.) - ARMSTRONG STONETEX
 - BASE - 1" VCT WITH SCHLUTER TOP EDGE WHERE EXPOSED
 - WALLS - PTD GWS
 - CEILING AT CORRIDORS - SUSPENDED ACT LAY IN 1/3 RUNNING BOND GRID PATTERN (B.O.D., ARMSTRONG OPTIMA)
 - MILLWORK: PLAM CUSTOM BASE & UPPER CABINETS W/ ADJUSTABLE SHELVEING, PLAM COUNTER W/HD WD EDGE; TACKABLE SURFACE BACKSPASH; (8) ADJUSTABLE SHELVES AT OFFICES (TPV); MELAMINE W/CUSTOM COLOR BRACKETS ON SURFACE STANDARD W/BLOCKING AND 9" X 8" HD WD EDGE

AUDITORIUM:
 - WALLS - 50% ACOUSTIC WOOD WALL SYSTEM (ARMSTRONG WOODWORKS), 50% GROUND FACED BLOCK
 - FLOOR - CARPET AT SEATS, SLAB ON GRADE POWER TROWELED CONCRETE AT SEATS (SLAB IS SLOPED AT SEATING AREA)
 - CEILING - PTD. EXPOSED METAL DECK WITH 50% SUSPENDED WOOD PANEL CEILING (ARMSTRONG WOODWORKS)
 - 3 & 6 DIAMETER DOUBLE DOME ACRYLIC BUBBLE SKYLIGHT
 - FLOOR MOUNTED FOLD UP AUDITORIUM SEATING (420 SEATS)

GYM:
 - FLOOR - WOOD ATHLETIC FLOORING
 - BASE - VENTED RUBBER BASE
 - WALLS - GYM WALL PADS TO BE 8"-8" A.F.F. EXCEPT BEHIND BLEACHERS, PRE-ENGINEERED STANDARD FINISH EVERYWHERE ELSE
 - CEILING - SUSPENDED LAY IN PRE PAINTED TEGULAR EDGE TECTUM PLANK AND EXPOSED DECK, PTD.
 - BLEACHERS - TELESCOPING, WALL MOUNTED, MOTORIZED FOR UP TO 750 SEATS

TOILET ROOMS:
 - FLOOR: PORCELAIN TILE
 - BASE: METAL COVE BASE
 - WALLS TO 98" - CERAMIC TILE, W/ ACCENT COLOR. PTD GWS ABOVE W/HIGH PERFORMANCE COATING
 - CEILING-PTD W/HIGH PERFORMANCE COATING
 - MILLWORK: SOLID SURFACE COUNTERTOPS WITH CONCEALED STEEL BRACKETS

OTHER ROOMS:
 - FLOORS
 - QUARRY TILE AT KITCHEN; 1/3 RUNNING BOND
 - SEALED CONCRETE AT BACK OF HOUSE
 - STAIRS - VCT TREADS & RISERS WITH RUBBER NOSING, VCT TILE AT LANDINGS
 - WALLS
 - FIBER REINFORCED PANELS IN KITCHEN
 - INTERIOR GLAZING TO BE CHANNEL GLAZING NOT HM
 - CEILING:
 - ACT IN BACK OF HOUSE AREAS, LOCKER ROOMS & KITCHEN
 - GENERAL
 - CLASSROOM LOCKERS 15"Wx12"Dx36"H W/ANGELED TOP - PHENOLIC W/PLAM FINISH AND WD VENEER SIDES AND BACK
 - ATHLETIC (PE) LOCKERS: 50 COUNT PER LOCKER ROOM - METAL 2 TIER 30"H, X 15"W X 15"D
 - ROLLER SHADE AT DOORS WITH LITES AND GLAZED PARTITIONS
 - ROLLER SHADE AT SOUTH EXTERIOR WINDOWS
 - MILLWORK PLAM - W/ GRAN PLAM FINISH
 - 2" PLAM TOPPING SUB-ACOUSTIC AT FLOORS 2 & 3

TECH/ FIXTURES/ FURNISHINGS
 - ACADEMIC AREAS:
 - OPERABLE WINDOWS
 - LOW VOLUME DISPLACEMENT VENTILATION
 - INDUCT LED COVE LIGHTING
 - PAGING SYSTEM, WIRELESS DATA INTERCOM, CLOCK SYSTEM,
 - SOUND LIFT SYSTEM, WIRELESS ACCESS POINT, LED TOUCH SCREEN MONITOR

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NOT FOR CONSTRUCTION

FULLER SCHOOL
 31 FLAGG DRIVE, FRAMINGHAM, MA

PROJECT STATUS

SCHEMATIC DESIGN
 8/7/18

REVISIONS

No.	Date	Description

DRAWING NAME
 PLAN - FLOOR 1

PROJECT NO. Project Number
 DRAWING NO.



1 PLAN - FLOOR 1-A
1/8" = 1'-0"



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FULLER SCHOOL
31 FLAGG DRIVE, FRAMINGHAM, MA

PROJECT STATUS
SCHEMATIC DESIGN
09/12/18

REVISIONS

No.	Date	Description

DRAWING NAME
PLAN - FLOOR 1-A

PROJECT NO. Project Number
DRAWING NO.

A101A



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FULLER SCHOOL
 31 FLAGG DRIVE, FRAMMINGHAM, MA

PROJECT STATUS
 SCHEMATIC DESIGN
 09/12/18

REVISIONS

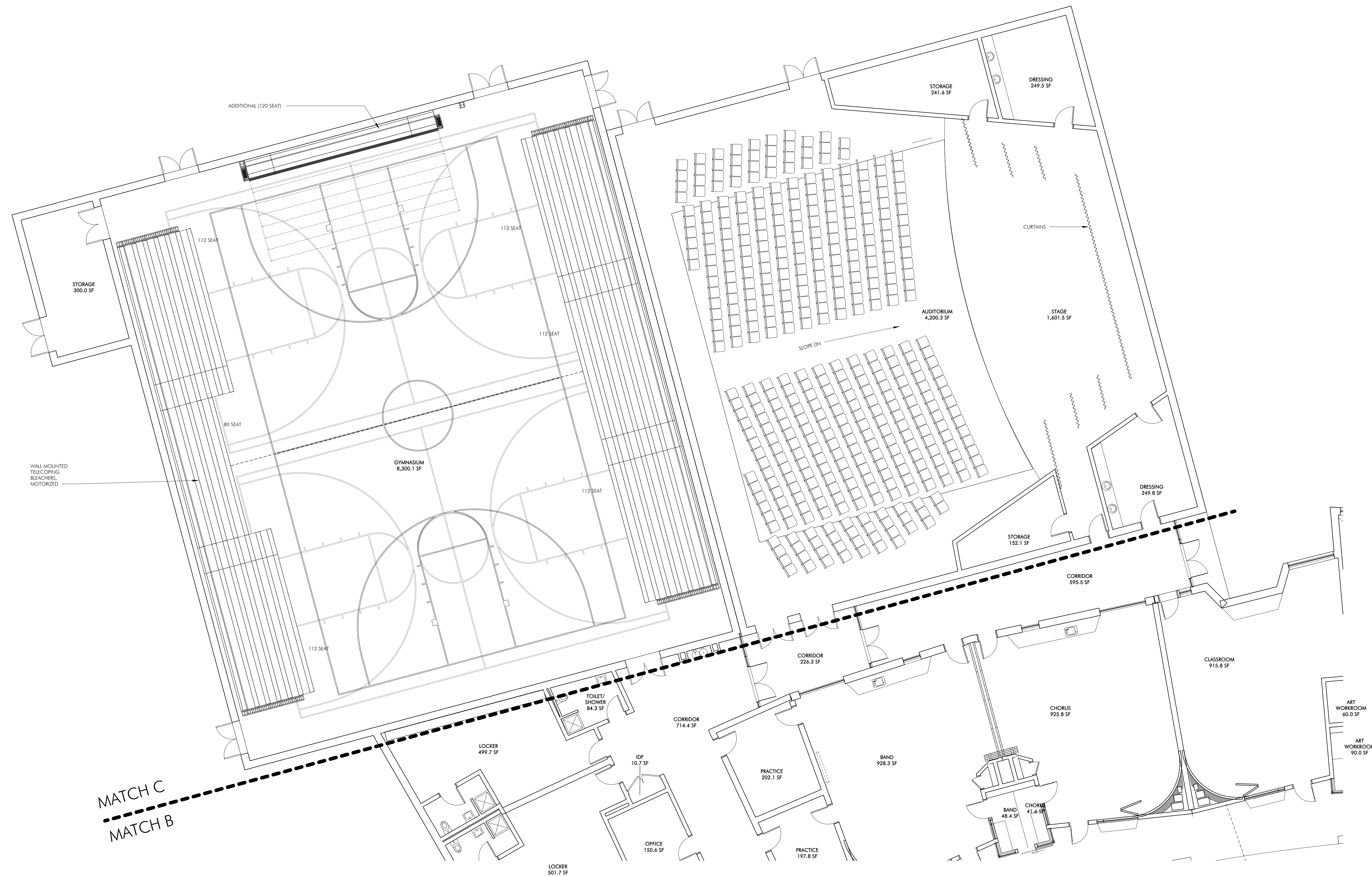
No.	Date	Description

DRAWING NAME
 PLAN - FLOOR 1-B

PROJECT NO. _____ Project Number
 DRAWING NO. _____

1 PLAN - FLOOR 1-B
 1/8" = 1'-0"

A101B



MATCH C
MATCH B

1 PLAN - FLOOR 1-C
1/8" = 1'-0"



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CONSTRUCTION

FULLER SCHOOL
31 FLAGG DRIVE, FRAMINGHAM, MA

PROJECT STATUS
SCHEMATIC DESIGN
09/12/18

REVISIONS

No.	Date	Description

DRAWING NAME
PLAN - FLOOR 1-C

PROJECT NO. Project Number
DRAWING NO.

A101C

FINISHES - INTERIOR

ACADEMIC AREAS: CLASSROOMS, SCIENCE, MEDIA, ART, MUSIC, VOCATIONAL, SPED
 - FLOOR - 12" X 12" 1/3 RUNNING BOND VCT (TYP VCT 8 O.D.) - ARMSTRONG STONETEX
 - BASE - 12" VCT WITH SCHLUTER TOP EDGE WHERE EXPOSED
 - LOWER WALL (30" TO 4') - MAGNETIC WRITABLE SURFACE WALL COVERING
 - UPPER WALL (4' TO 12') - PAINTED GWB
 - CURVED WALL - MAGNETIC WRITABLE SURFACE WALL COVERING OVER CURVED GWB PARTITION;
 - JANKER TRAY/GRAFFER - SINGLE LAYER 3/4" PLUM WITH HD WD TOP MARKER TRAY AND BOTTOM
 EDGE
 - CEILING - EXPOSED DECK, PAINTED 3/3 OF ROOM; 1/3 - ACT LAY IN TILE WITH 1/3 RUNNING BOND
 GRID PATTERN AND GWB ANGLED SOFFIT. SUMMER BEAM AT EXPOSED DECK (LIGHT COVE AND
 CEILING RETURN) - PLUM 4" WIDE X 8" HIGH
 - MILLWORK AT TYP CLASSROOMS: 30" DEEP PLAM COUNTER AT EXTERIOR WALL W/ EXPOSED
 BRACKETS, FLIP TOP AT WINDOWS; MOBILE STORAGE 36"W X 27"H (6) PER CLASSROOM; SHELVING AT
 EXTERIOR WALL (6) ADJUSTABLE SHELVES-MELAMINE W/CUSTOM COLOR BRACKETS ON SURFACE
 STANDARDS W/BLOCKING AND 1/2" X 1/4" HD WD EDGE, FINISHED SHELF SIDE LAMB PANELS-PLAM
 ANGLED LIGHT REFLECTORS W/ 1/4" HD WD EDGES, FOLDING SCREEN - 7' X 8' 2" THK FOLDING
 SCREEN AT CORRIDOR WALL, PLAM BOTH SIDES AND HD WD EDGES
 - MILLWORK AT SCIENCE CLASSROOMS: 24" COUNTERS AND 24" HIGH BACKSPLASH-SOLID EPOXY
 ON EXPOSED BRACKETS; MOBILE STORAGE: 36"W X 27"H (6) PER CLASSROOM; PLAM UPPER CABINETS
 ABOVE COUNTERS
 - OPERABLE PARTITIONS BETWEEN CLASSROOM PAIR, MAGNETIC WRITABLE SURFACE BOTH SIDES
 - DOOR - 36"X102" BIRCH FULL LITE SOLID CORE WITH HOLLOW METAL FRAME

TEACHER PLANNING (TP) ROOMS:
 - FLOOR - 12" X 12" 1/3 RUNNING BOND VCT
 - BASE - 12" VCT WITH SCHLUTER TOP EDGE
 - CEILING-ACT LAY IN TILE IN 1/3 RUNNING BOND GRID PATTERN
 - MILLWORK: PLAM COUNTERS W/ 3" HD WD EDGE AND CONCEALED STEEL BRACKETS; REAR WALL
 SHELVING-FULL WIDTH (5) ADJUSTABLE SHELVES-MELAMINE W/CUSTOM COLOR BRACKETS ON
 SURFACE STANDARDS W/BLOCKING AND 1/2" X 1/4" HD WD EDGE
 - DOOR TO CORRIDOR - 36"X102" BIRCH FULL LITE SOLID CORE WITH SLIDING BARN-DOOR HWARE

MUSIC AREAS:
 - WALLS AT PRACTICE ROOMS AND DOUBLE HIGH BAND SPACE - FABRIC WRAPPED ACOUSTIC PANELS
 - CEILING - ACT LAY IN TILE IN 1/3 RUNNING BOND (B.O.D.) - ARMSTRONG ULTIMA, 3 DIMENSIONAL
 METAL PANEL CEILING AT BAND CHAIRS (B.O.D. USG GEOMETRI)

CORRIDORS AND PUBLIC AREAS:
 - FLOOR - 12" X 12" 1/3 RUNNING BOND VCT, ACCENT COLORS AT COHORT COMMONS
 - BASE - 12" VCT WITH SCHLUTER TOP EDGE WHERE EXPOSED
 - WALLS - PLAM PANEL W/ FINISHED EDGES 12" X 106" HIGH ON 1/2" SUBSTRATE OVER GWB PARTITION
 - FLOORS - 12" X 12" 1/3 RUNNING BOND VCT TILE
 - CEILING AT CORRIDORS - SUSPENDED ACT LAY-IN 1/3 RUNNING BOND GRID PATTERN
 - INTERIOR GLAZING - (12" TO 14") HIGH ALL LOCATIONS 1/4" LAMINATED GLASS (ACOUSTIC - DOUBLE
 1/2" LAMINATED), BUTT GLAZED, CHANNEL GLAZED TOP AND BOTTOM ABOVE 12" VCT KNEEWALL
 BASE, GRADUATED PATTERN GLAZING AT TEACHER PLANNING ROOMS
 - MILLWORK: WD CENTERED BENCHES AT CLASSROOM GLAZED PARTITIONS, CONCEALED STL
 BRACKETS
 - LOCKERS - SINGLE TIER 24" H X 15" W, X 15" PHENOLIC W/PLAM FACE LOCKERS ON 4" R/W COUNTER
 AND VCT TILE BASE, WITH WD VENEER FINISH PANELS AT SIDES AND BACK, ANGLED PLAM TOP WITH
 INTERMEDIATE ANGLED LAM GL DISPLAY CABINETS - ACTS AS GUARDRAIL AT FLOORS 2 AND 3
 - DOOR - 36"X102" BIRCH SOLID CORE WITH HOLLOW METAL FRAME

ADMINISTRATION AREAS, OFFICES, MEDICAL:
 - FLOOR - 12" X 12" 1/3 RUNNING BOND VCT (TYP VCT 8 O.D.) - ARMSTRONG STONETEX
 - BASE - 12" VCT WITH SCHLUTER TOP EDGE WHERE EXPOSED
 - WALLS - PTD GWB
 - CEILING AT CORRIDORS - SUSPENDED ACT LAY-IN 1/3 RUNNING BOND GRID PATTERN (B.O.D.)
 - ARMSTRONG OPTIMA
 - MILLWORK: PLAM CUSTOM BASE & UPPER CABINETS W/ ADJUSTABLE SHELVING, PLAM COUNTER
 W/ HD WD EDGE; TACKABLE SURFACE BACKSPLASH (5) ADJUSTABLE SHELVES AT OFFICES (TYP);
 MELAMINE W/CUSTOM COLOR BRACKETS ON SURFACE STANDARDS W/BLOCKING AND 1/2" X 1/4" HD
 WD EDGE

AUDITORIUM:
 - FLOOR - 50% ACOUSTIC WOOD WALL SYSTEM (ARMSTRONG WOODWORKS), 50% GROUND FACED
 BLOCK
 - FLOOR - CABRET AT AISLES, SLAB ON GRADE POWER TROWELED CONCRETE AT SEATS (SLAB IS
 SCURED AT SEATING AREA)
 - CEILING - PTD, EXPOSED METAL DECK WITH 50% SUSPENDED WOOD PANEL CEILING (ARMSTRONG
 WOODWORKS)
 - 7' & 8' DIAMETER DOUBLE DOME ACRYLIC BUBBLE SKYLIGHT
 - FLOOR MOUNTED FOLD UP AUDITORIUM SEATING (420 SEATS)

GYM:
 - FLOOR - WOOD ATHLETIC FLOORING
 - WALLS - VENTED RUBBER BASE
 - WALLS - GYM WALL PADS TO BE 8'-0" A.F.F. EXCEPT BEHIND BLEACHERS, PRE-ENGINEERED STANDARD
 FINISH EVERYWHERE ELSE
 - CEILING - SUSPENDED LAY IN PRE PAINTED TEGULAR EDGE TECTUM PLANK AND EXPOSED DECK,
 PTD
 - BLEACHERS, TELESCOPING, WALL MOUNTED, MOTORIZED FOR UP TO 750 SEATS

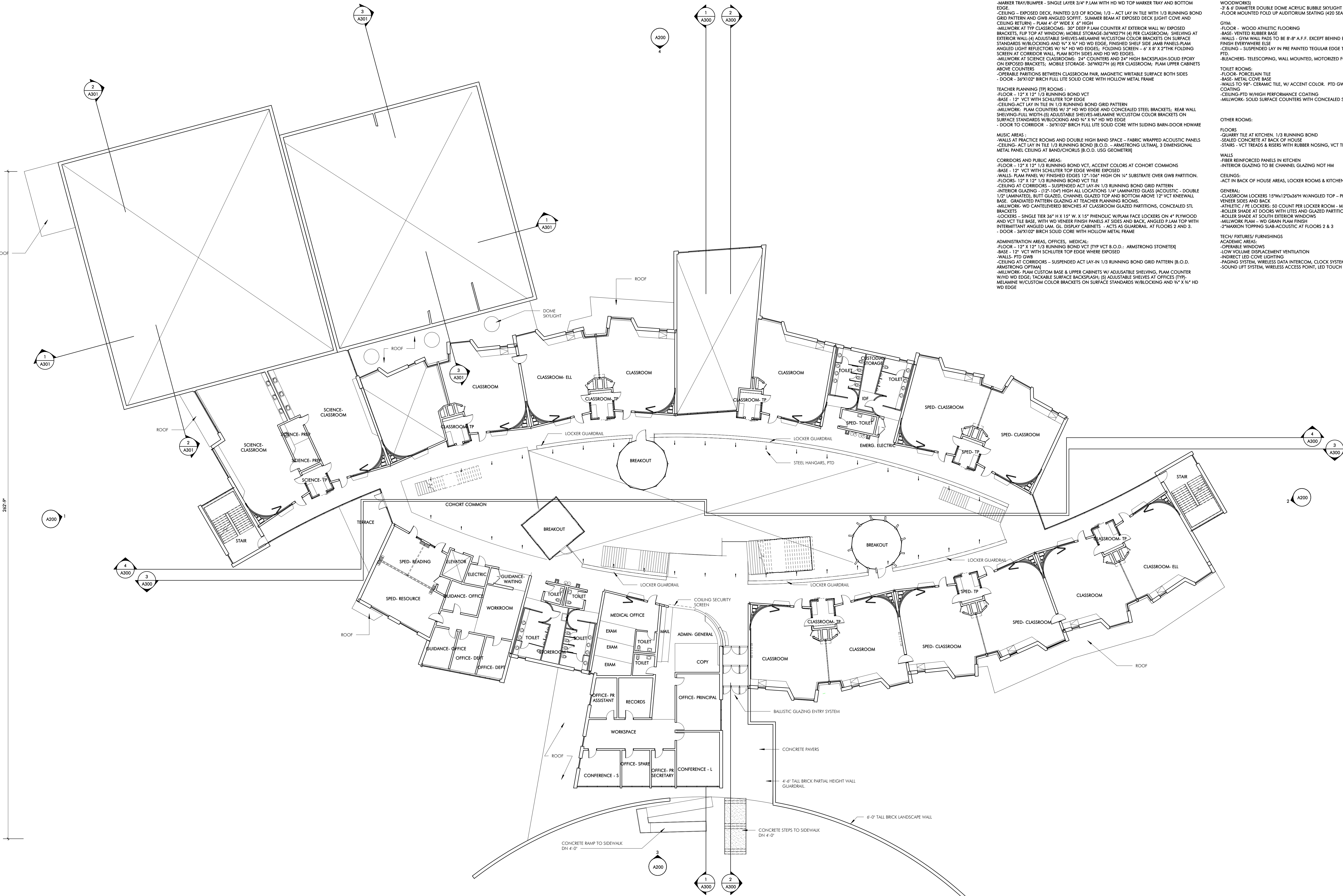
TOILET ROOMS:
 - FLOOR - PORCELAIN TILE
 - BASE - METAL COVE BASE
 - WALLS TO 96" - CERAMIC TILE, W/ ACCENT COLOR. PTD GWB ABOVE WHICH PERFORMANCE
 COATING
 - CEILING - PTD HIGH PERFORMANCE COATING
 - MILLWORK - SOLID SURFACE COUNTERS WITH CONCEALED STEEL BRACKETS

OTHER ROOMS:
 - FLOORS
 - QUARRY TILE AT KITCHEN, 1/3 RUNNING BOND
 - SEALED CONCRETE AT BACK OF HOUSE
 - WALLS - VCT TREADS & RISERS WITH RUBBER NOSING, VCT TILE AT LANDINGS
 - STAIRS
 - FIBER REINFORCED PANELS IN KITCHEN
 - INTERIOR GLAZING TO BE CHANNEL GLAZING NOT HM

CEILING:
 - ACT IN BACK OF HOUSE AREAS, LOCKER ROOMS & KITCHEN

GENERAL:
 - CLASSROOM LOCKERS 15"W X 12"D X 6"H W/ANGLED TOP - PHENOLIC W/PLAM FINISH AND WD
 VENEER SIDES AND BACK
 - ATHLETIC / PE LOCKERS: 50 COUNT PER LOCKER ROOM - METAL 2 TIER 30" X 15" W X 15" D
 - ROLLER SHADE AT DOORS WITH LITES AND GLAZED PARTITIONS
 - MILLWORK PLAM - WD GRAIN PLAM FINISH
 - 2" MAX WOOD TOPPING SLAB-ACOUSTIC AT FLOORS 2 & 3

TECH/ FIXTURES/ FURNISHINGS
 - OPERABLE WINDOWS
 - LOW VOLUME DISPLACEMENT VENTILATION
 - INDIRECT LED COVE LIGHTING
 - PAGING SYSTEM, WIRELESS DATA INTERCOM, CLOCK SYSTEM,
 - SOUND LIFT SYSTEM, WIRELESS ACCESS POINT, LED TOUCH SCREEN MONITOR



242'-0"

465'-10"

1 PLAN - FLOOR 2
 1/16" = 1'-0"

FLOOR 2 GSF: 35,871 SF



NOT FOR CONSTRUCTION

FULLER SCHOOL
 31 FLAGG DRIVE, FRAMINGHAM, MA

PROJECT STATUS
 SCHEMATIC DESIGN
 8/7/18

REVISIONS

No.	Date	Description

DRAWING NAME
 PLAN - FLOOR 2

PROJECT NO. Project Number
 DRAWING NO.

A102



1 PLAN - FLOOR 2-A
 1/8" = 1'-0"



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 CONSTRUCTION

FULLER SCHOOL
 31 FLAGG DRIVE, FRAMINGHAM, MA

PROJECT STATUS
 SCHEMATIC DESIGN
 09/12/18

REVISIONS		
No.	Date	Description

DRAWING NAME
 PLAN - FLOOR 2-A

PROJECT NO. Project Number
 DRAWING NO.



1 PLAN - FLOOR 2-B
1/8" = 1'-0"

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NOT FOR
CONSTRUCTION

FULLER SCHOOL
31 FLAGG DRIVE, FRAMINGHAM, MA

PROJECT STATUS
SCHEMATIC DESIGN
08/21/18

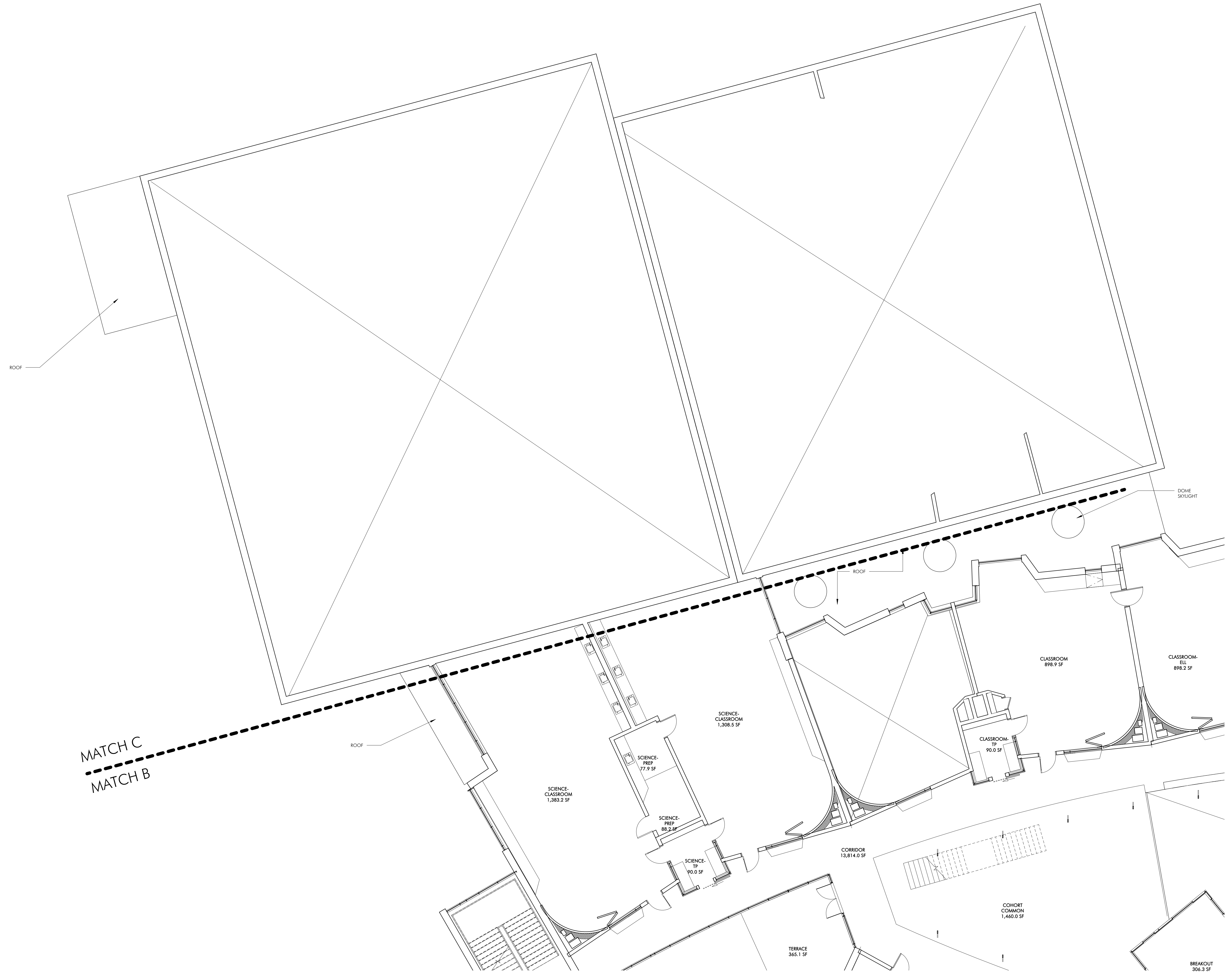
REVISIONS

No.	Date	Description

DRAWING NAME
PLAN - FLOOR 2-B

PROJECT NO. Project Number
DRAWING NO.

A102B



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NOT FOR
 CONSTRUCTION

FULLER SCHOOL
 31 FLAGG DRIVE, FRAMINGHAM, MA

PROJECT STATUS

SCHEMATIC DESIGN
 09/12/18

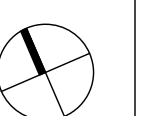
REVISIONS

No.	Date	Description

DRAWING NAME
PLAN - FLOOR 2-C

PROJECT NO. Project Number

DRAWING NO.



A102C

1 PLAN - FLOOR 2-C
 1/8" = 1'-0"

FINISHES - INTERIOR

ACADEMIC AREAS: CLASSROOMS, SCIENCE, MEDIA, ART, MUSIC, VOCATIONAL, SPED
 FLOOR - 12" X 12" 1/3 RUNNING BOND VCT (TYP VCT B.O.D.) - ARMSTRONG STONETEX
 BASE - 12" VCT WITH SCHLUTER TOP EDGE WHERE EXPOSED
 LOWER WALL 120" - MAGNETIC WRITABLE SURFACE WALL COVERING
 UPPER WALL 104" - 128" - PAINTED GWB
 CURVED WALL - MAGNETIC WRITABLE SURFACE WALL COVERING OVER CURVED GWB PARTITION;
 MARKER TRAY/BUMPER - SINGLE LAYER 3/4" P.LAM WITH HD WD TOP MARKER TRAY AND BOTTOM
 EDGE
 CEILING - EXPOSED DECK, PAINTED 2/3 OF ROOM, 1/3 - ACT LAY IN TILE WITH 1/3 RUNNING BOND
 GRID PATTERN AND GWB ANGLD SPOFF. SUMMER BEAM AT EXPOSED DECK (LIGHT COVE AND
 CEILING RETURN) - PLAM 4'-0" WIDE X 6" HIGH
 MILLWORK AT TYP CLASSROOMS: 30" DEEP PLAM COUNTER AT EXTERIOR WALL W/ EXPOSED
 BRACKETS, FLIP TOP AT WINDOW; MOBILE STORAGE-36"WX27"H (4) PER CLASSROOM; SHELVING AT
 EXTERIOR WALL (6) ADJUSTABLE SHELVES-MELAMINE W/CUSTOM COLOR BRACKETS ON SURFACE
 STANDARDS W/BLOCKING AND 9" X 14" HD WD EDGE; FINISHED SHELF SIDE PANELS-PLAM
 ANGLD LIGHT REFLECTORS W/ 1/4" HD WD EDGES; FOLDING SCREEN - 6' X 8' X 2" THK FOLDING
 SCREEN AT CORRIDOR WALL, PLAM BOTH SIDES AND HD WD EDGES
 MILLWORK AT SCIENCE CLASSROOMS: 24" COUNTERS AND 24" HIGH BACKPLASH-SOLID EPOXY
 ON EXPOSED BRACKETS; MOBILE STORAGE-36"WX27"H (6) PER CLASSROOM; PLAM LIPK CABINETS
 ABOVE COUNTERS
 OPERABLE PARTITIONS BETWEEN CLASSROOM PAIR, MAGNETIC WRITABLE SURFACE BOTH SIDES
 - DOOR - 36X102" BIRCH FULL LITE SOLID CORE WITH HOLLOW METAL FRAME

TOILET ROOMS:
 FLOOR - POLYURETHANE TILE
 BASE - METAL COVE BASE
 WALLS TO 98" - CERAMIC TILE, W/ ACCENT COLOR. PTD GWB ABOVE W/HIGH PERFORMANCE
 COATING
 CEILING - PTD W/HIGH PERFORMANCE COATING
 MILLWORK - SOLID SURFACE COUNTERS WITH CONCEALED STEEL BRACKETS

TEACHER PLANNING (TP) ROOMS:
 FLOOR - 12" X 12" 1/3 RUNNING BOND VCT
 BASE - 12" VCT WITH SCHLUTER TOP EDGE
 CEILING - ACT LAY IN TILE 1/3 RUNNING BOND GRID PATTERN
 MILLWORK: REAM COUNTERS W/ 2" HD WD EDGE AND CONCEALED STEEL BRACKETS; REAR WALL
 SHELVING-FULL WIDTH-(5) ADJUSTABLE SHELVES-MELAMINE W/CUSTOM COLOR BRACKETS ON
 SURFACE STANDARDS W/BLOCKING AND 9" X 14" HD WD EDGE
 - DOOR TO CORRIDOR - 36X102" BIRCH FULL LITE SOLID CORE WITH SLIDING BARN-DOOR HDWARE

MUSIC AREAS:
 WALLS AT PRACTICE ROOMS AND DOUBLE HUND SPACE - FABRIC WRAPPED ACOUSTIC PANELS
 CEILING - ACT LAY IN TILE 1/3 RUNNING BOND (B.O.D.) - ARMSTRONG ULTIMA, 3 DIMENSIONAL
 METAL PANEL CEILING AT BAND/CHORUS (B.O.D. USG GEOMETRIK)

CORRIDORS AND PUBLIC AREAS:
 FLOOR - 12" X 12" 1/3 RUNNING BOND VCT, ACCENT COLORS AT COHORT COMMONS
 BASE - 12" VCT WITH SCHLUTER TOP EDGE WHERE EXPOSED
 WALLS: REAM PANE W/ FINISHED EDGES 12'-106" HIGH ON 1/4" SUBSTRATE OVER GWB PARTITION.
 FLOORS: 12" X 12" 1/3 RUNNING BOND VCT TILE
 CEILING AT CORRIDORS - SUSPENDED ACT LAY IN 1/3 RUNNING BOND GRID PATTERN
 INTERIOR GLAZING - (12'-104" HIGH ALL LOCATIONS) 1/4" LAMINATED GLASS ACOUSTIC - DOUBLE
 1/2" LAMINATED, BUTT GLAZED, CHANNEL GLAZED TOP AND BOTTOM ABOVE 12" VCT KNEEWALL
 BASE, GRADUATED PATTERN GLAZING AT TEACHER PLANNING ROOMS
 MILLWORK: WD CANTILEVERED BENCHES AT CLASSROOM GLAZED PARTITIONS, CONCEALED STL
 BRACKETS
 LOCKERS - SINGLE TIER 36" H X 15" W X 15" PHENOLIC W/PLAM FACE LOCKERS ON 4" PLYWOOD
 AND VCT TILE BASE, WITH VENEER FINISH PANELS AT SIDES AND BACK, ANGLD 1/4" LAM TOP WITH
 INTERMITTANT ANGLD LAM. GL. DISPLAY CABINETS - ACTS AS GUARDRAIL AT FLOORS 2 AND 3.
 - DOOR - 36X102" BIRCH SOLID CORE WITH HOLLOW METAL FRAME

ADMINISTRATION AREAS, OFFICES, MEDICAL:
 FLOOR - 12" X 12" 1/3 RUNNING BOND VCT (TYP VCT B.O.D.) - ARMSTRONG STONETEX
 BASE - 12" VCT WITH SCHLUTER TOP EDGE WHERE EXPOSED
 WALLS: PTD GWB
 CEILING AT CORRIDORS - SUSPENDED ACT LAY IN 1/3 RUNNING BOND GRID PATTERN (B.O.D.)
 ARMSTRONG OPTIMA
 MILLWORK: PLAM CUSTOM BASE & UPPER CABINETS W/ ADJUSTABLE SHELVING, PLAM COUNTER
 W/ HD WD EDGE; PACKABLE SURFACE BACKPLASH (5) ADJUSTABLE SHELVES AT OFFICES (TYP);
 MELAMINE W/CUSTOM COLOR BRACKETS ON SURFACE STANDARDS W/BLOCKING AND 9" X 14" HD
 WD EDGE

AUDITORIUM:
 WALLS - 50% ACOUSTIC WOOD WALL SYSTEM (ARMSTRONG WOODWORKS), 50% GROUND FACED
 BLOCK
 FLOOR - CARPET AT AISLES, SLAB ON GRADE POWER TROWELED CONCRETE AT SEATS (SLAB IS
 SLOPED AT SEATING AREA)
 CEILING - PTD, EXPOSED METAL DECK WITH 50% SUSPENDED WOOD PLANK CEILING (ARMSTRONG
 WOODWORKS)
 3' & 6' DIAMETER DOUBLE DOME ACRYLIC BUBBLE SKYLIGHT
 FLOOR MOUNTED FOLD UP AUDITORIUM SEATING (420 SEATS)

GYM:
 FLOOR - WOOD ATHLETIC FLOORING
 BASE - VENTED RUBBER BASE
 WALLS - GYM WALL PADS TO BE 8'-8" A.F.F. EXCEPT BEHIND BLEACHERS, PRE-ENGINEERED STANDARD
 FINISH EVERYWHERE ELSE
 CEILING - SUSPENDED LAY IN PRE PAINTED TEGULAR EDGE TECTUM PLANK AND EXPOSED DECK,
 PTD
 BLEACHERS - TELESCOPING, WALL MOUNTED, MOTORIZED FOR UP TO 750 SEATS

OTHER ROOMS:
 FLOOR
 QUARRY TILE AT KITCHEN, 1/3 RUNNING BOND
 SEALED CONCRETE AT BACK OF HOUSE
 STAIRS - VCT TREADS & RISERS WITH RUBBER NOISING, VCT TILE AT LANDINGS
 WALLS
 FIBER REINFORCED PANELS IN KITCHEN
 INTERIOR GLAZING TO BE CHANNEL GLAZING NOT HM
 CEILING:
 ACT IN BACK OF HOUSE AREAS, LOCKER ROOMS & KITCHEN
 GENERAL:
 CLASSROOM LOCKERS 15"Wx12Dx36"H W/ ANGLD TOP - PHENOLIC W/PLAM FINISH AND WD
 VENEER SIDES AND BACK
 ATHLETIC / PE LOCKERS: 50 COUNT PER LOCKER ROOM - METAL 2 TIER 30" X 15" W X 15" D
 ROLLER SHADE AT DOORS WITH LITES AND GLAZED PARTITIONS
 ROLLER SHADE AT SOUTH EXTERIOR WINDOWS
 MILLWORK PLAM - WD GRAM PLAM FINISH
 2" MAXIM TIPPING SLAB-ACOUSTIC AT FLOORS 2 & 3

TECH FIXTURES/FURNISHINGS
 ACADEMIC AREAS:
 OPERABLE WINDOWS
 LOW VOLUME DISPLACEMENT VENTILATION
 INDIRECT LED COVE LIGHTING
 PAGING SYSTEM, WIRELESS DATA INTERCOM, CLOCK SYSTEM
 SOUND LIFT SYSTEM, WIRELESS ACCESS POINT, LED TOUCH SCREEN MONITOR



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FULLER SCHOOL
 31 FLAGG DRIVE, FRAMMINGHAM, MA

PROJECT STATUS
 SCHEMATIC DESIGN
 8/7/18

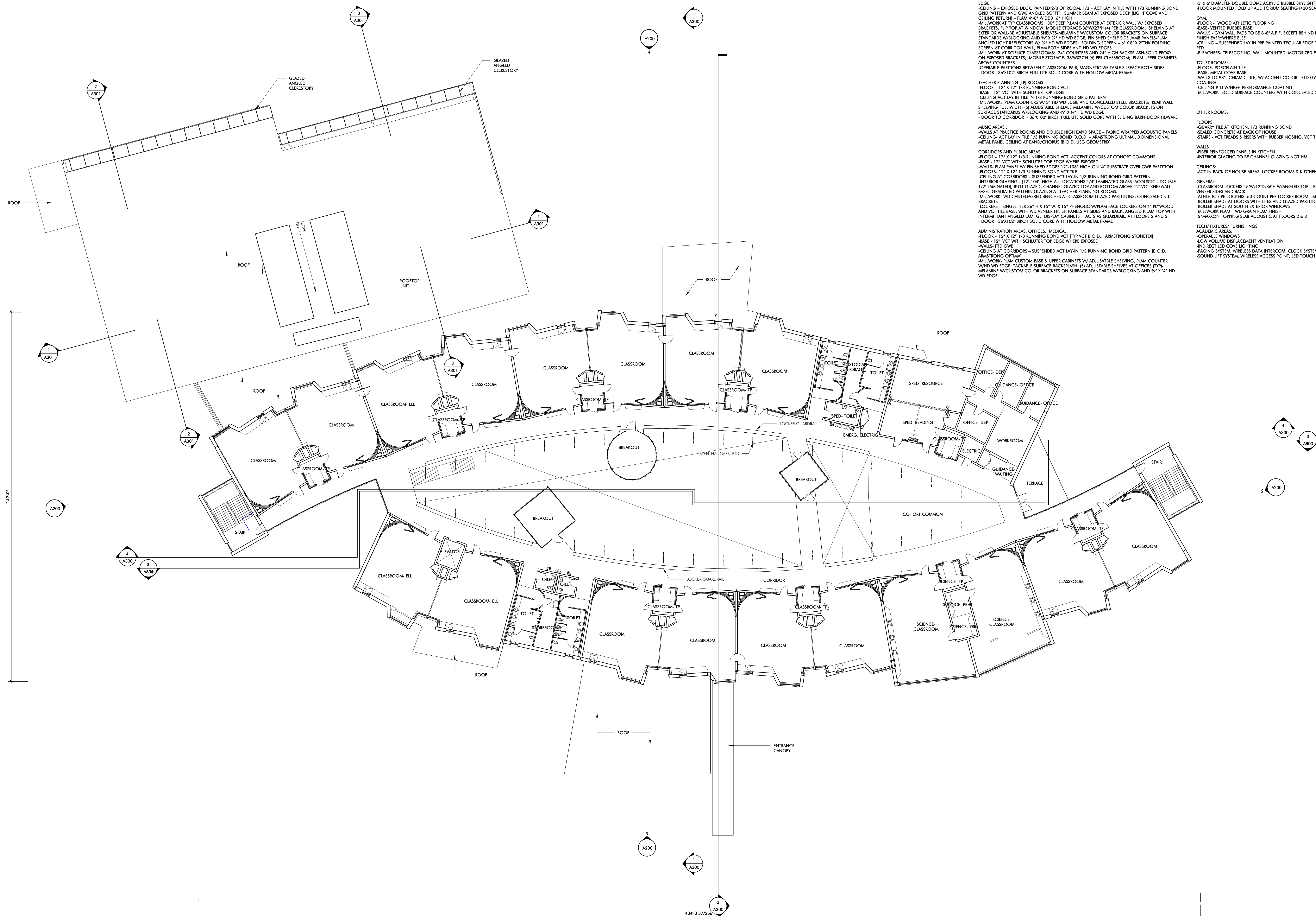
REVISIONS

No.	Date	Description

DRAWING NAME
 PLAN - FLOOR 3

PROJECT NO. Project Number
 DRAWING NO.

A103



1 PLAN - FLOOR 3
 1/4" = 1'-0"

FLOOR 3 GSF: 34,092 SF



1 PLAN - FLOOR 3-A
1/8" = 1'-0"



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SCHEMATIC DESIGN
09/12/18

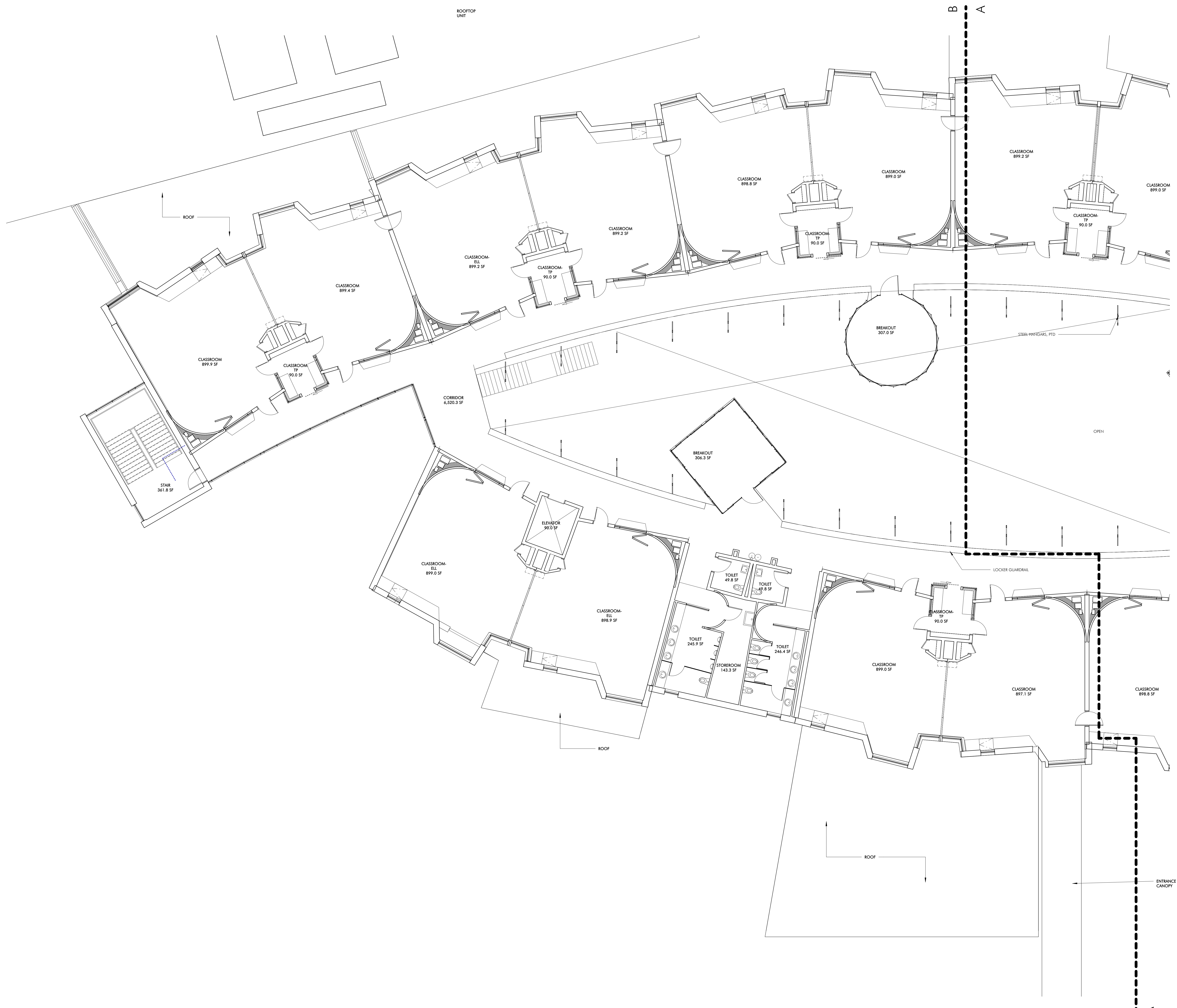
REVISIONS

No.	Date	Description

DRAWING NAME
PLAN - FLOOR 3-A

PROJECT NO. Project Number
DRAWING NO.

A103A



1 PLAN - FLOOR 3-B
1/8" = 1'-0"

JLA
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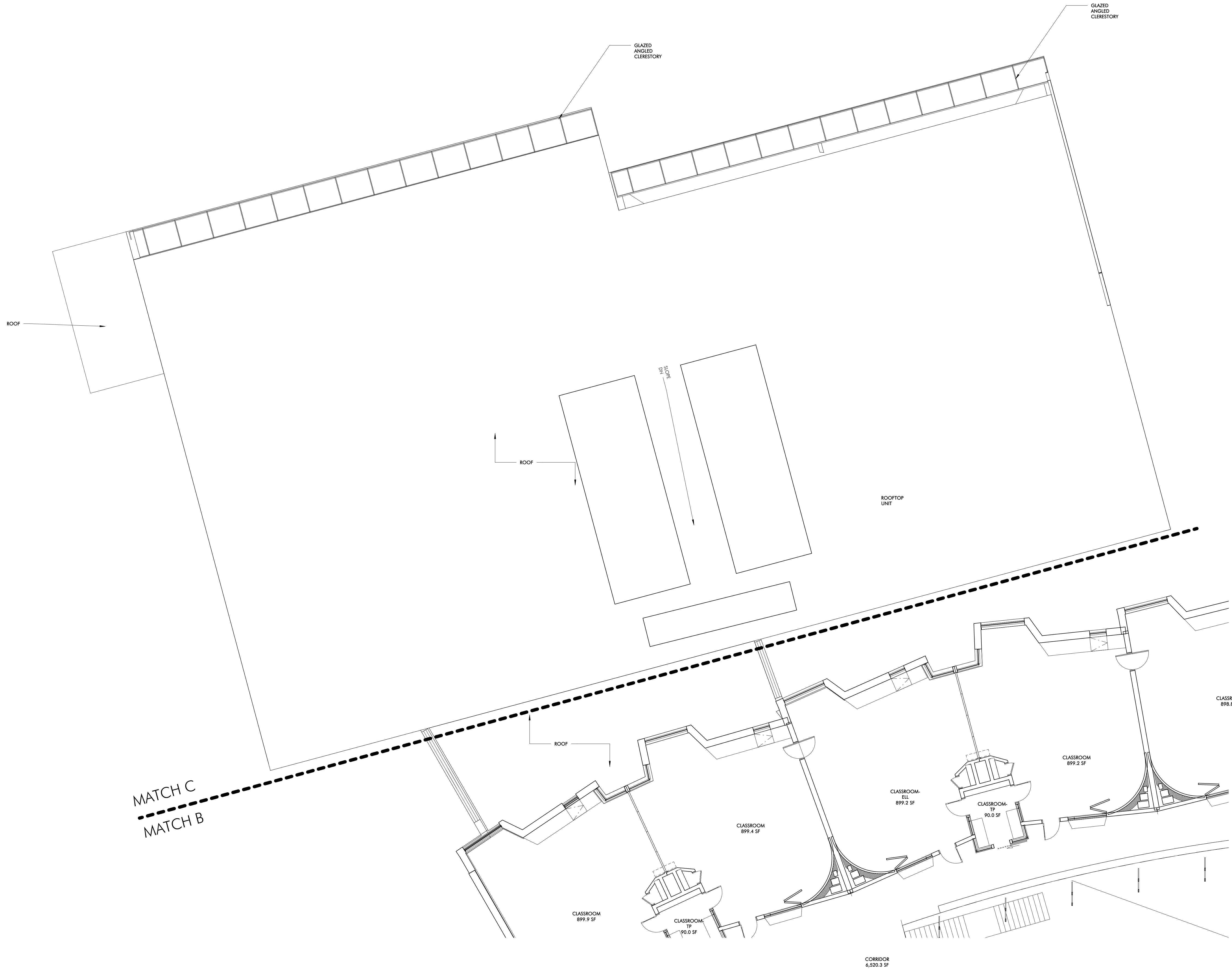
REVISIONS

No.	Date	Description

DRAWING NAME
PLAN - FLOOR 3-B

PROJECT NO. Project Number
DRAWING NO.

A103B



1 PLAN - FLOOR 3-C
1/8" = 1'-0"



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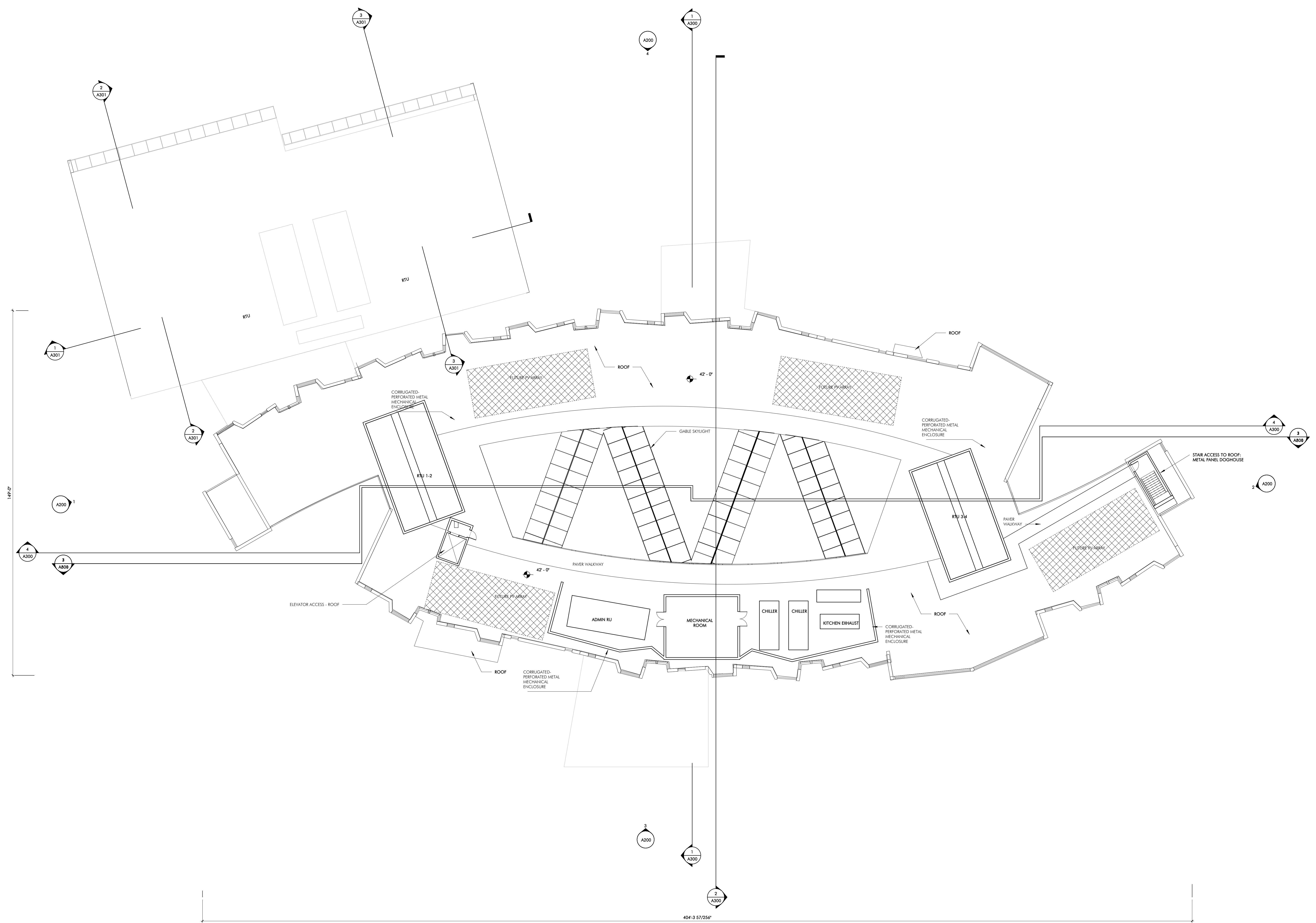
REVISIONS

No.	Date	Description

DRAWING NAME
PLAN - FLOOR 3-C

PROJECT NO. Project Number
DRAWING NO.

A103C



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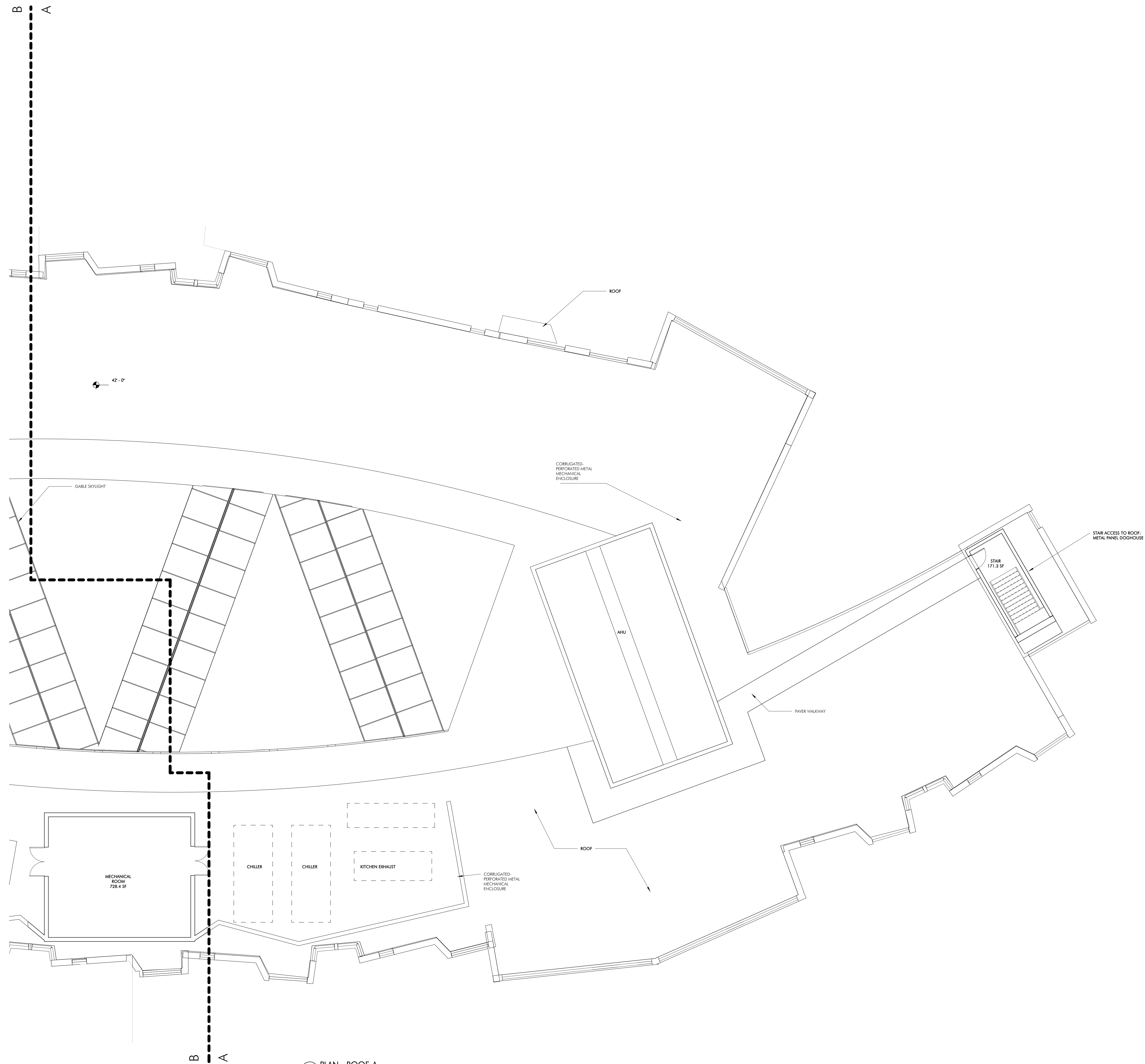
No.	Date	Description

DRAWING NAME
 PLAN - ROOF

PROJECT NO. Project Number
 DRAWING NO.

1 ROOF PLAN
 1/16" = 1'-0"

FLOOR ROOF GSF: 1,200
 SF



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



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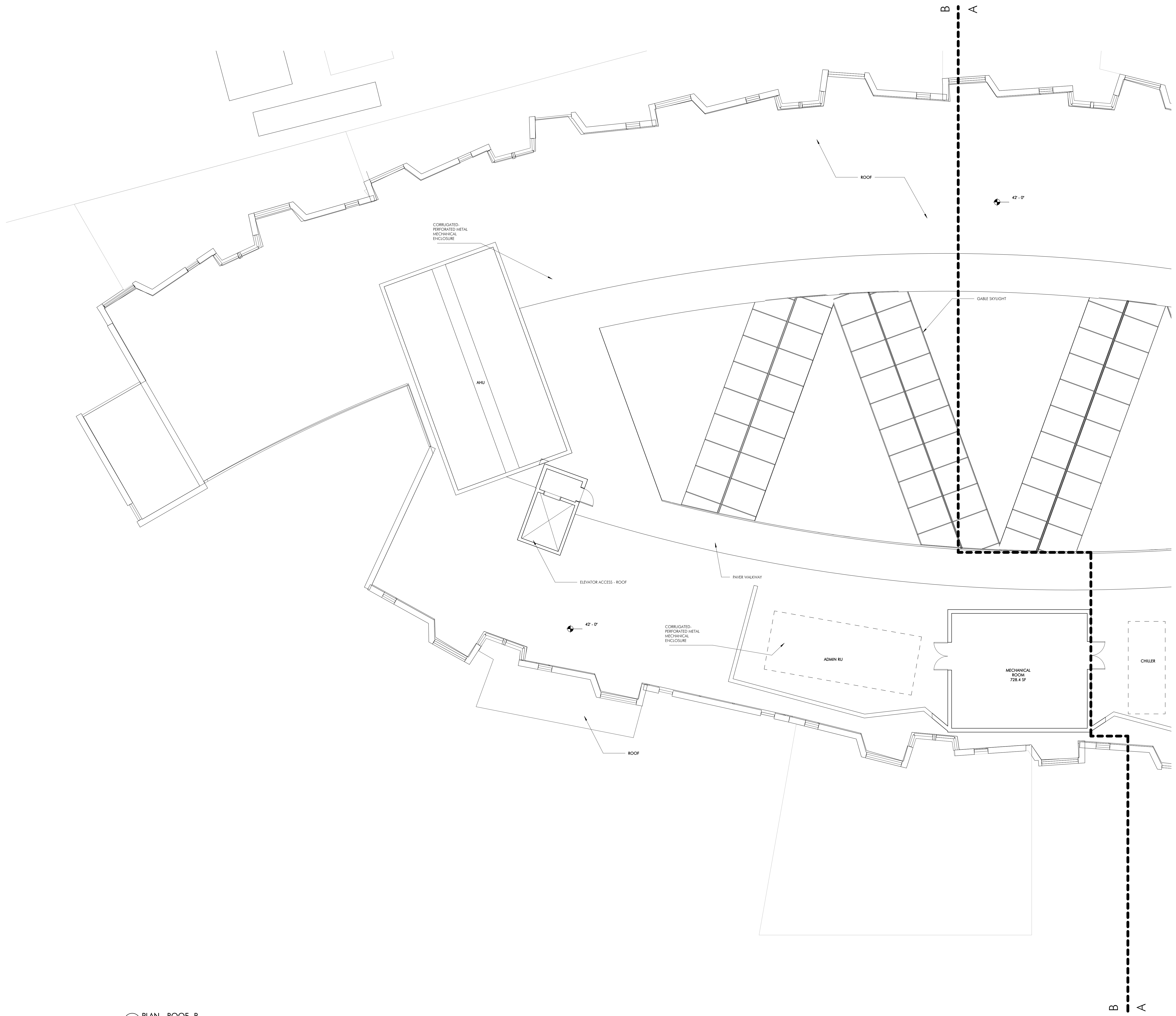
REVISIONS

No.	Date	Description

DRAWING NAME
PLAN - ROOF-A

PROJECT NO. Project Number
DRAWING NO.

A104A



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



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No.	Date	Description

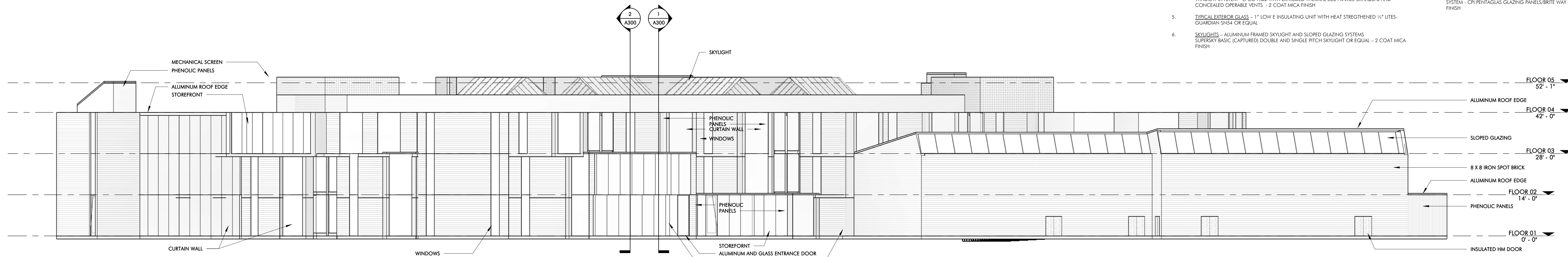
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PLAN - ROOF-B

PROJECT NO. Project Number
DRAWING NO.

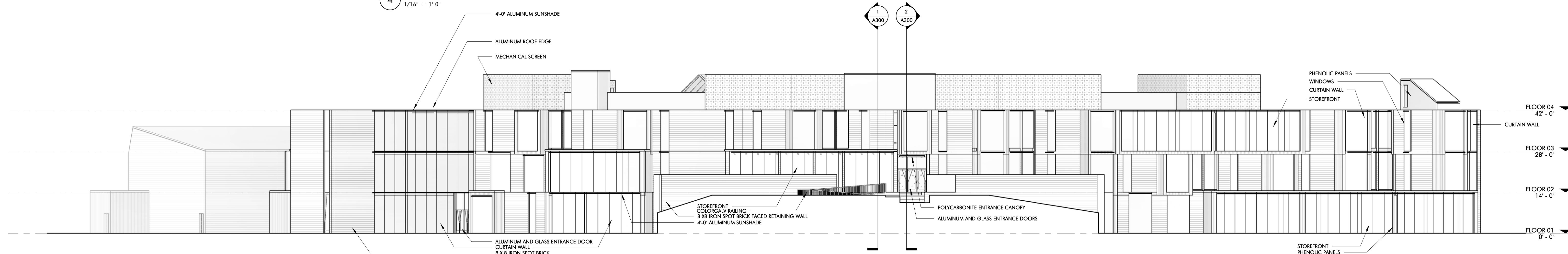
A104B

FINISHES - EXTERIOR

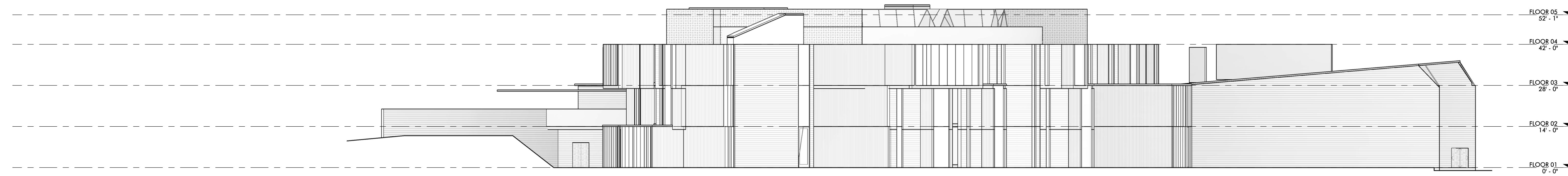
1. PRIMARY MATERIAL - 8 X 8 IRON SPOT BRICK WITH 3/8" VERTICAL SCORE BELEN 475-479 OR EQUAL
2. ACCENT MATERIAL - WOOD GRAIN PHENOLIC PANELS TRUSP SERIES METCH OR EQUAL
3. TYPICAL BACK UP WALL - 5/8" DRYWALL, 6" STEEL STUDS, 1/2" FIBERGLASS FACED SHEATHING, FLUID APPLIED AVE, 3" MINERAL FIBER INSULATION, PHENOLIC PANELS - ADD 3" HORIZONTAL FIBERGLASS Z FURRING
4. VERTICAL GLAZED OPENINGS - CURTAIN WALL SYSTEM - KAWNEER 600 UT OR EQUAL WITH EXTRUDED CAP COVERS AND CONCEALED OPERABLE VENTS - 2 COAT MICA FINISH
STOREFRONT SYSTEM - KAWNEER - 601 UT OR EQUAL WITH FULLY GLAZED ENTRY DOORS AND CONCEALED OPERABLE VENTS - 2 COAT MICA FINISH
WINDOW SYSTEM - EFCO PR22 WITH EXTRUDED THERMAL SUB FRAMES OR EQUAL AND CONCEALED OPERABLE VENTS - 2 COAT MICA FINISH
5. TYPICAL EXTERIOR GLASS - 1"1/2" LOW E INSULATING UNIT WITH HEAT STRENGTHENED 1/2" LITES - GUARDIAN S154 OR EQUAL
6. SKYLIGHTS - ALUMINUM FRAMED SKYLIGHT AND SLOPED GLAZING SYSTEMS SUPERSKY BASIC (CAPTURED) DOUBLE AND SINGLE PITCH SKYLIGHT OR EQUAL - 2 COAT MICA FINISH
7. TYPICAL SKYLIGHT GLASS - 1.9/16" LAMINATED LOW E INSULATING UNIT WITH HEAT STRENGTHENED 1/2" LITES - GUARDIAN S154 OR EQUAL
8. HORIZONTAL SUNSHADES - 4"1/2" WIRE - EXTRUDED ALUMINUM BLADES WITH TAPERED OUTRIGGERS (SOUTH FACING ELEVATION) - 2 COAT MICA FINISH
9. CONTINUOUS 12" HIGH MECHANICAL SCREEN - PERFORATED 1/2" CORRUGATED METAL SIDING MORN C-37.7/8" OR EQUAL - 2 COAT MICA FINISH ON GALVANIZED HSS 6 X 6 FRAMING
10. ROOFING - FULLY ADHERED WHITE PVC ROOFING OVER R-36 INSULATION
11. ROOF EDGE - 2-PIECE ALUMINUM ROOF EDGE RICKMANT TERMINEDGE ALUMINUM FASCIA OR EQUAL WITH 2 COAT MICA FINISH
12. ENTRANCE CANOPY - CLEAR POLYCARBONITE GLAZING PANELS AND ALUMINUM STRUCTURE SYSTEM - OR PERFORATED GLAZING PANELS/WHITE WAY STRUCTURE SYSTEM WITH 2 COAT MICA FINISH



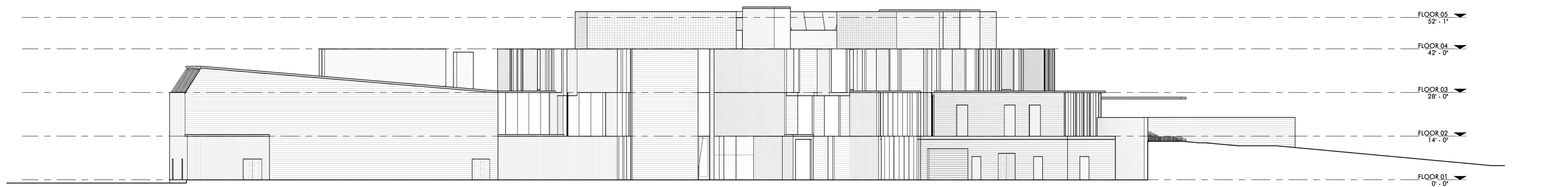
4 EXTERIOR ELEVATION-NORTH
1/16" = 1'-0"



3 EXTERIOR ELEVATION-SOUTH
1/16" = 1'-0"



2 EXTERIOR ELEVATION - EAST
1/16" = 1'-0"



1 EXTERIOR ELEVATION-WEST
1/16" = 1'-0"



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FULLER SCHOOL
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PROJECT STATUS
SCHEMATIC DESIGN
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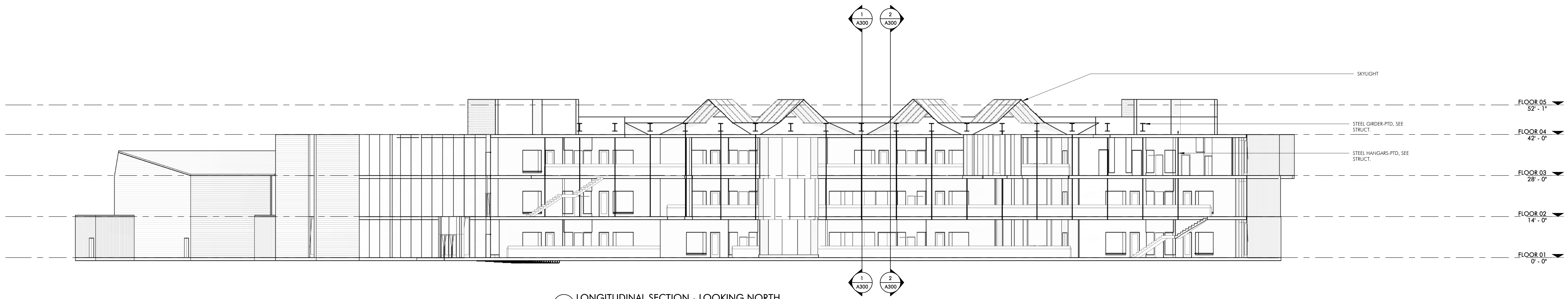
REVISIONS

No.	Date	Description

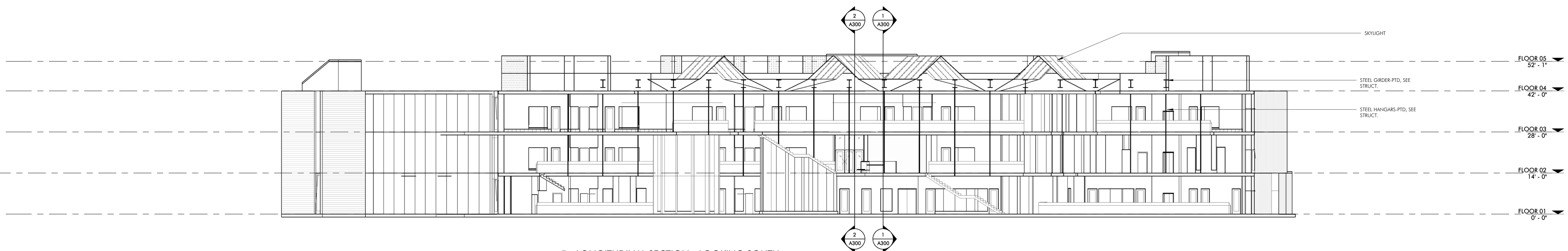
DRAWING NAME
EXTERIOR ELEVATIONS

PROJECT NO. Project Number
DRAWING NO.

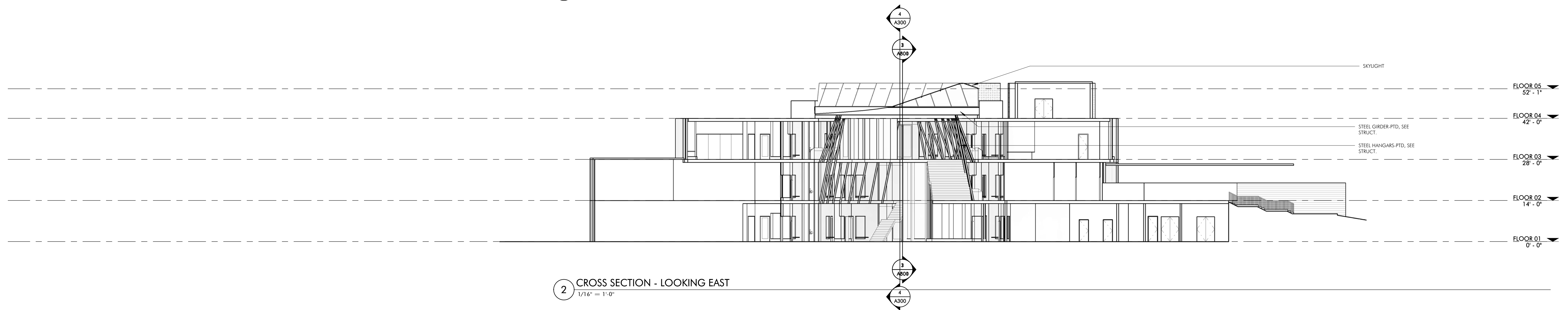
A200



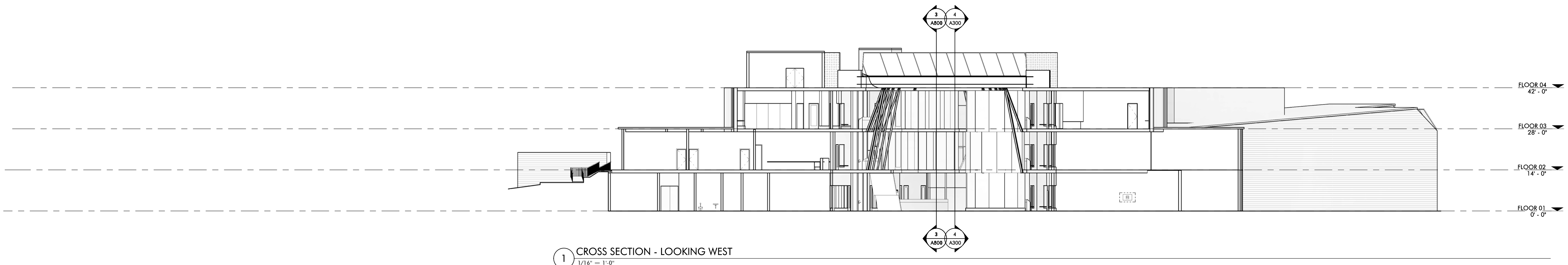
4 LONGITUDINAL SECTION - LOOKING NORTH
1/16" = 1'-0"



3 LONGITUDINAL SECTION - LOOKING SOUTH
1/16" = 1'-0"



2 CROSS SECTION - LOOKING EAST
1/16" = 1'-0"



1 CROSS SECTION - LOOKING WEST
1/16" = 1'-0"

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31 FLAGG DRIVE, FRAMINGHAM, MA

PROJECT STATUS
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No.	Date	Description

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BUILDING SECTIONS

PROJECT NO. Project Number
DRAWING NO.

A300



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PROJECT STATUS
 SCHEMATIC DESIGN
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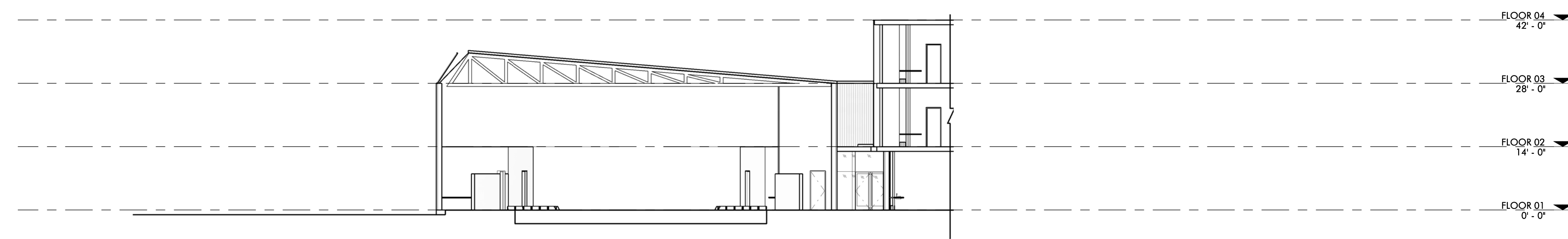
REVISIONS

No.	Date	Description

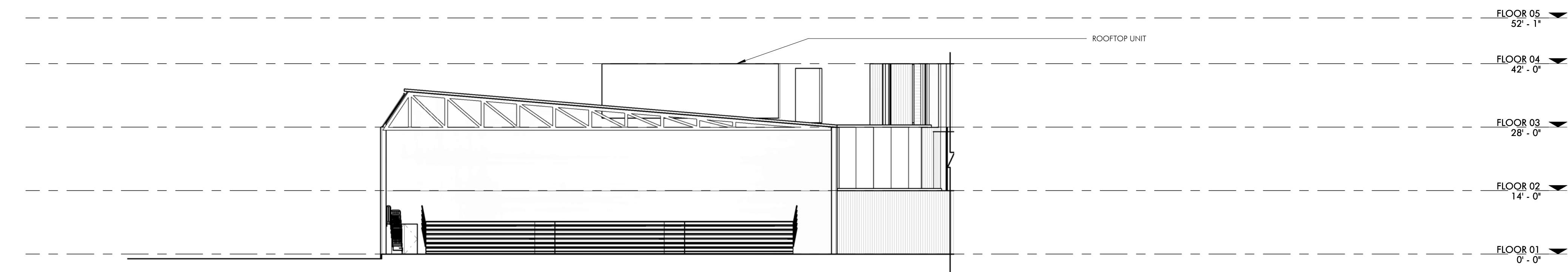
DRAWING NAME
 BUILDING
 SECTIONS

PROJECT NO. Project Number
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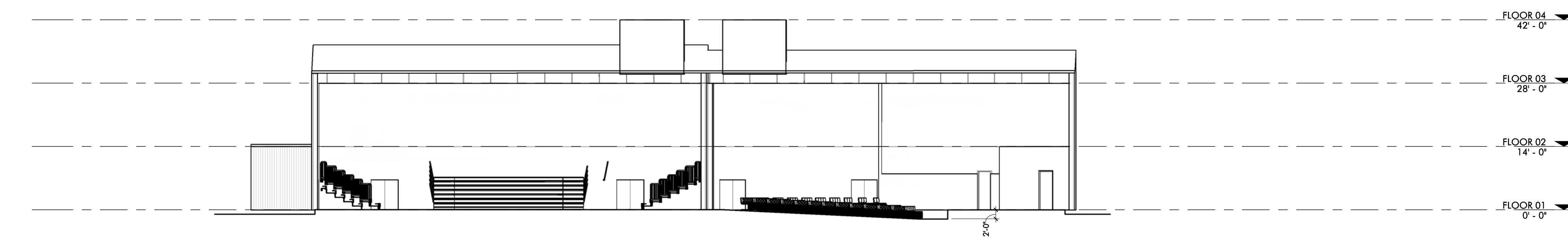
A301



3 SECTION - CROSS- AUDITORIUM
 1/16" = 1'-0"



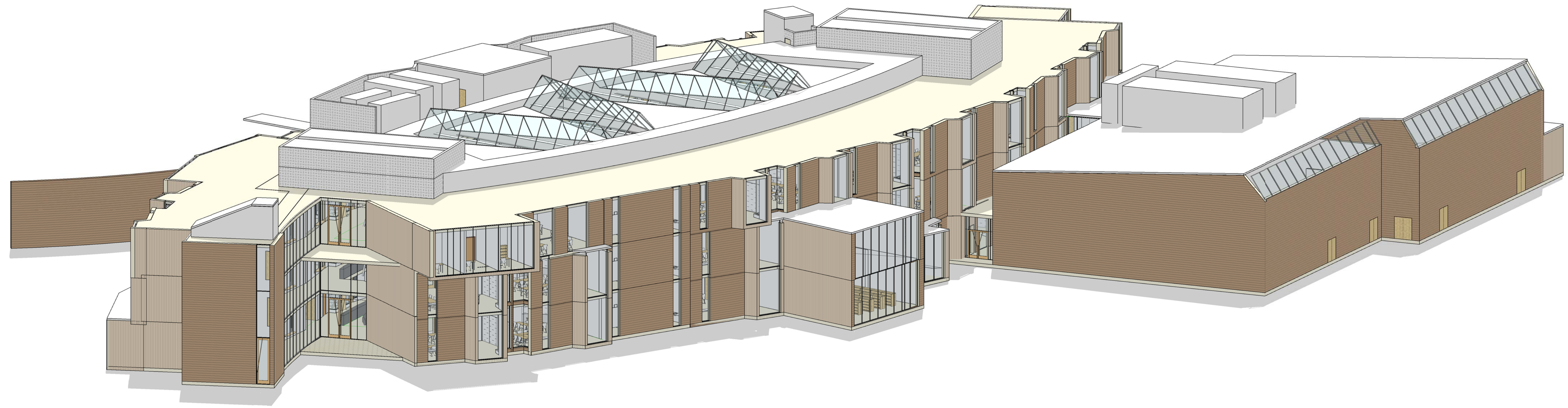
2 SECTION - CROSS-GYMNASIUM
 1/16" = 1'-0"



1 SECTION - LONGITUDINAL GYMNASIUM/AUDITORIUM
 1/16" = 1'-0"

FINISHES - EXTERIOR

1. PRIMARY MATERIAL - 8 X 8 IRON SPOT BRICK WITH 3/8" VERTICAL SCORE
SELESA 470-477 OR EQUAL
2. ACCENT MATERIAL - WOOD GRAIN PHENOLIC PANELS
TRESPA SERIES METEON OR EQUAL
3. TYPICAL BACK UP WALL - 5/8" DRYWALL, 6" STEEL STUDS, 1/2" FIBERGLASS FACED SHEATHING,
FLUO APPLIED AYS, 3" MINIMAL FIBER INSULATION
PHENOLIC PANELS - ADD 3" HORIZONTAL FIBERGLASS Z FURRING
4. VERTICAL GLAZED OPENINGS -
CURTAIN WALL SYSTEM - KAWNEER 1600 LT OR EQUAL WITH EXTRUDED CAP COVERS AND
CONCEALED OPERABLE VENTS - 2 COAT MICA FINISH
STOREFRONT SYSTEM - KAWNEER - 601 LT OR EQUAL WITH FULLY GLAZED ENTRY DOORS AND
CONCEALED OPERABLE VENTS - 2 COAT MICA FINISH
WINDOW SYSTEM - EPICO PK22 WITH EXTRUDED THERMAL SUB FRAMES OR EQUAL AND
CONCEALED OPERABLE VENTS - 2 COAT MICA FINISH
5. TYPICAL EXTERIOR GLASS - 1" LOW E INSULATING UNIT WITH HEAT STRENGTHENED 1/2" LITES,
GUARDIAN 5454 OR EQUAL
6. SKYLIGHTS - ALUMINUM FRAMED SKYLIGHT AND SLOPED GLAZING SYSTEMS
SUPERIOR BASIC (CAPTURED) DOUBLE AND SINGLE PITCH SKYLIGHT OR EQUAL - 2 COAT MICA
FINISH
7. TYPICAL SKYLIGHT GLASS - 1 1/2" LAMINATED LOW E INSULATING UNIT WITH HEAT
STRENGTHENED 1/2" LITES - GUARDIAN 5454 OR EQUAL
8. HORIZONTAL SUNSHADES - 4'-0" WIDE - EXTRUDED ALUMINUM BLADES WITH TAPERED
OUTRIGGERS (SOUTH FACING ELEVATION) - 2 COAT MICA FINISH
9. CONTINUOUS 1 1/2" HIGH MECHANICAL SCREENS - PERFORATED 1/4" CORRUGATED METAL SIDING
MIDRY C-37-7/8" OR EQUAL - 2 COAT MICA FINISH ON GALVANIZED HSS 6 X 6 FRAMING
10. ROOFING - FULLY ADHERED WHITE PVC ROOFING OVER R-36 INSULATION
11. ROOF EDGE - 2 PIECE ALUMINUM ROOF EDGE
PROCEMAN TERRAZZO ALUMINUM FINISH OR EQUAL WITH 2 COAT MICA FINISH
12. ENTRANCE CANOPY - CLEAR POLYCARBONATE GLAZING PANELS AND ALUMINUM STRUCTURE
SYSTEM - ICF PENTAGLAS GLAZING PANELS/BRITE WAY STRUCTURE SYSTEM WITH 2 COAT MICA
FINISH



2 3D-NORTHEAST



1 3D-SOUTHEAST



NOT FOR
CONSTRUCTION

FULLER SCHOOL
31 FLAGG DRIVE, FRAMINGHAM, MA

PROJECT STATUS
SCHEMATIC DESIGN
09/12/18

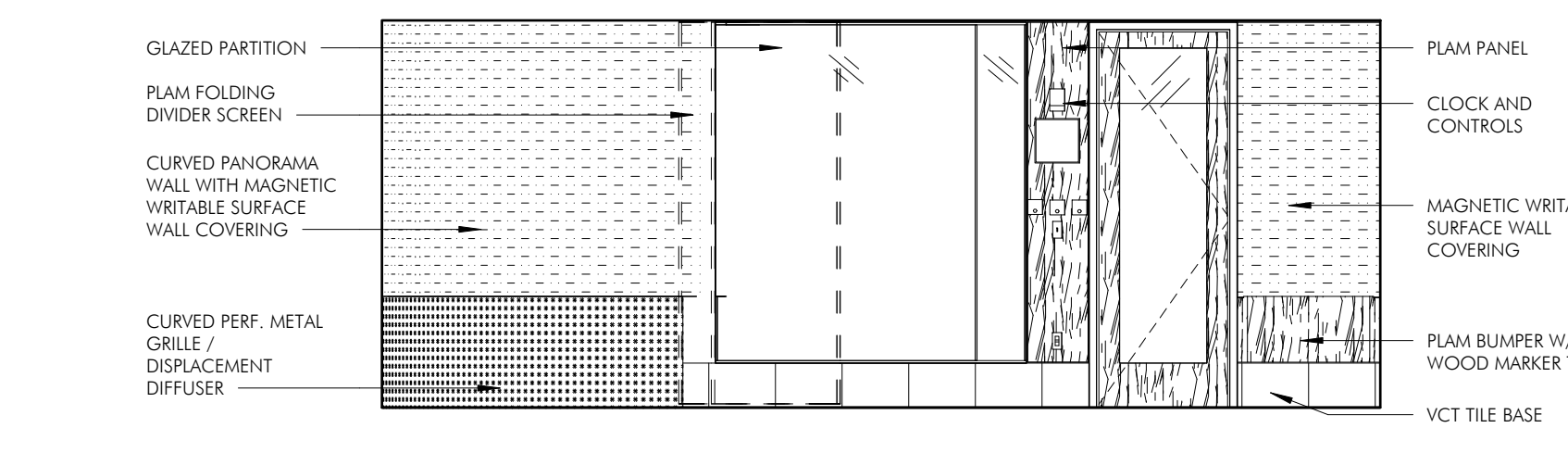
REVISIONS

No.	Date	Description

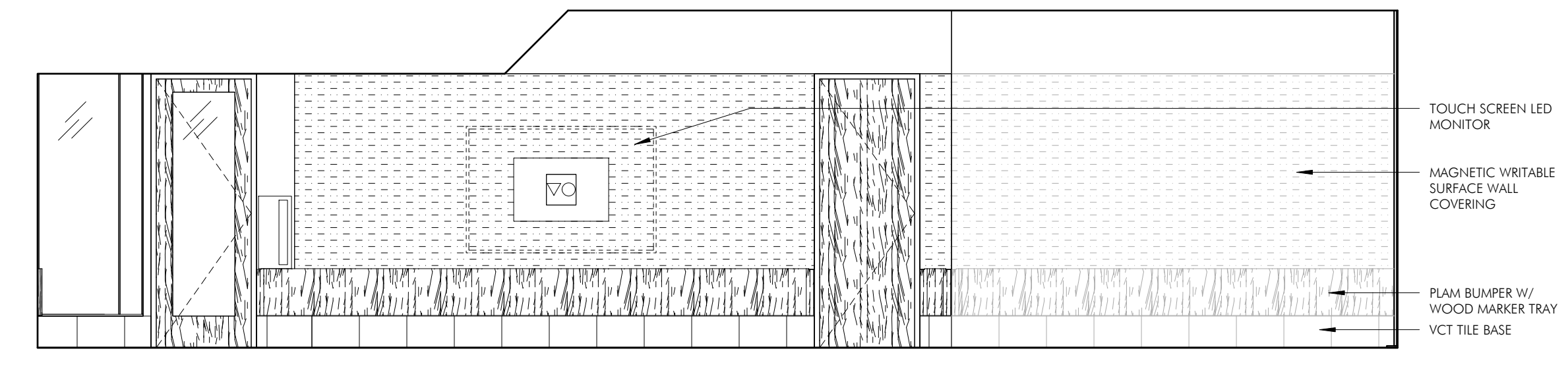
DRAWING NAME
EXTERIOR 3D VIEWS

PROJECT NO. Project Number
DRAWING NO.

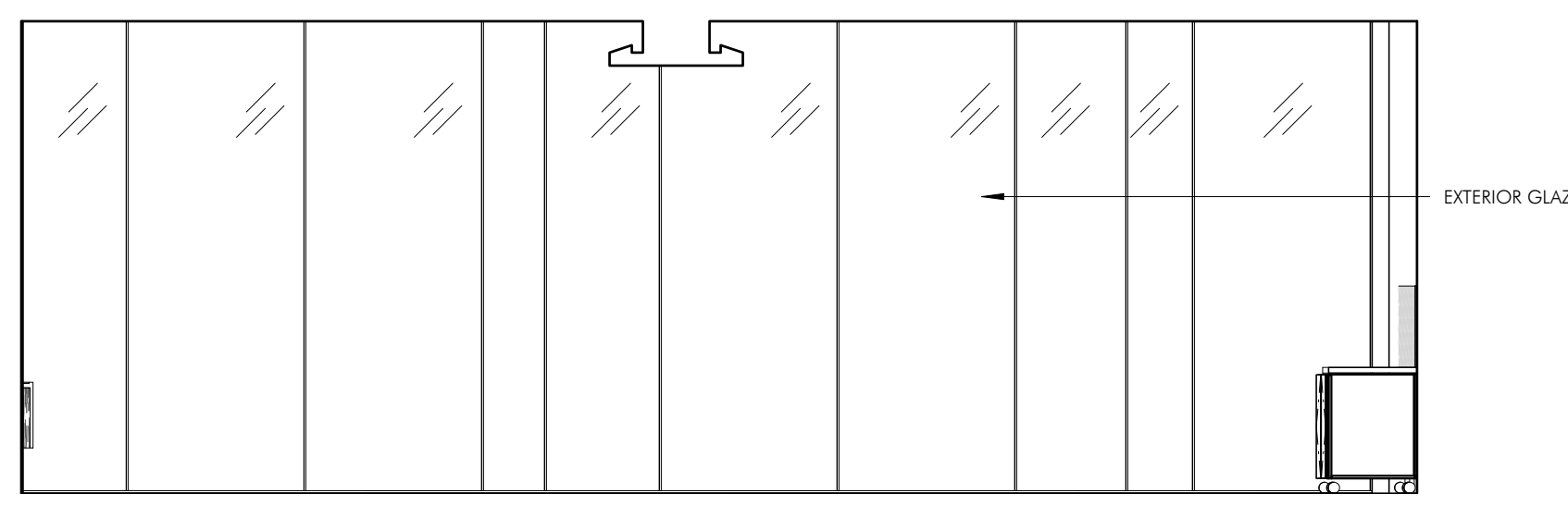
A400



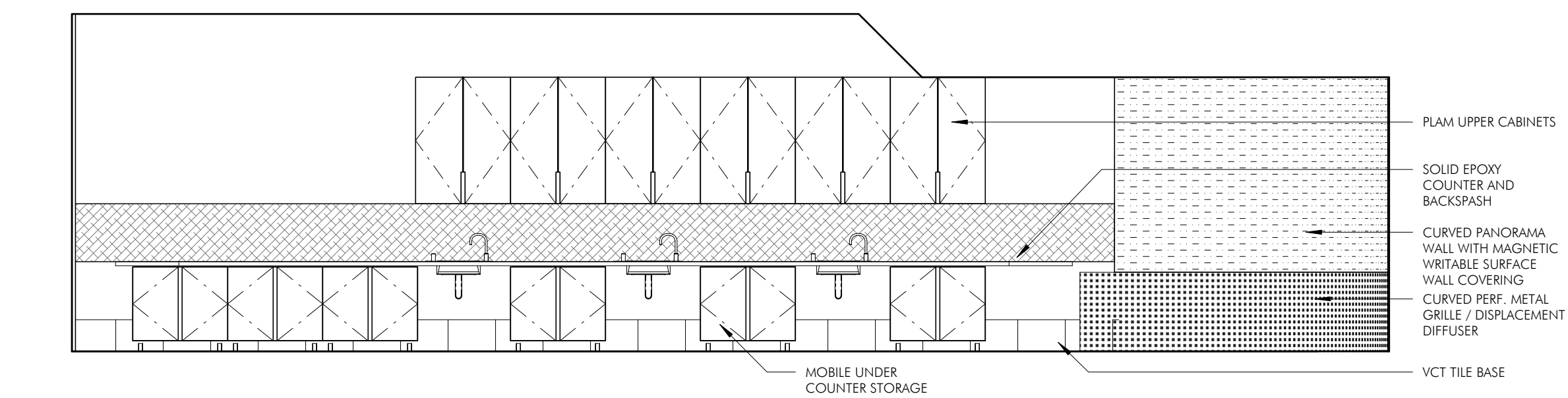
10 TYPICAL SCIENCE ELEVATION - NORTH
1/4" = 1'-0"



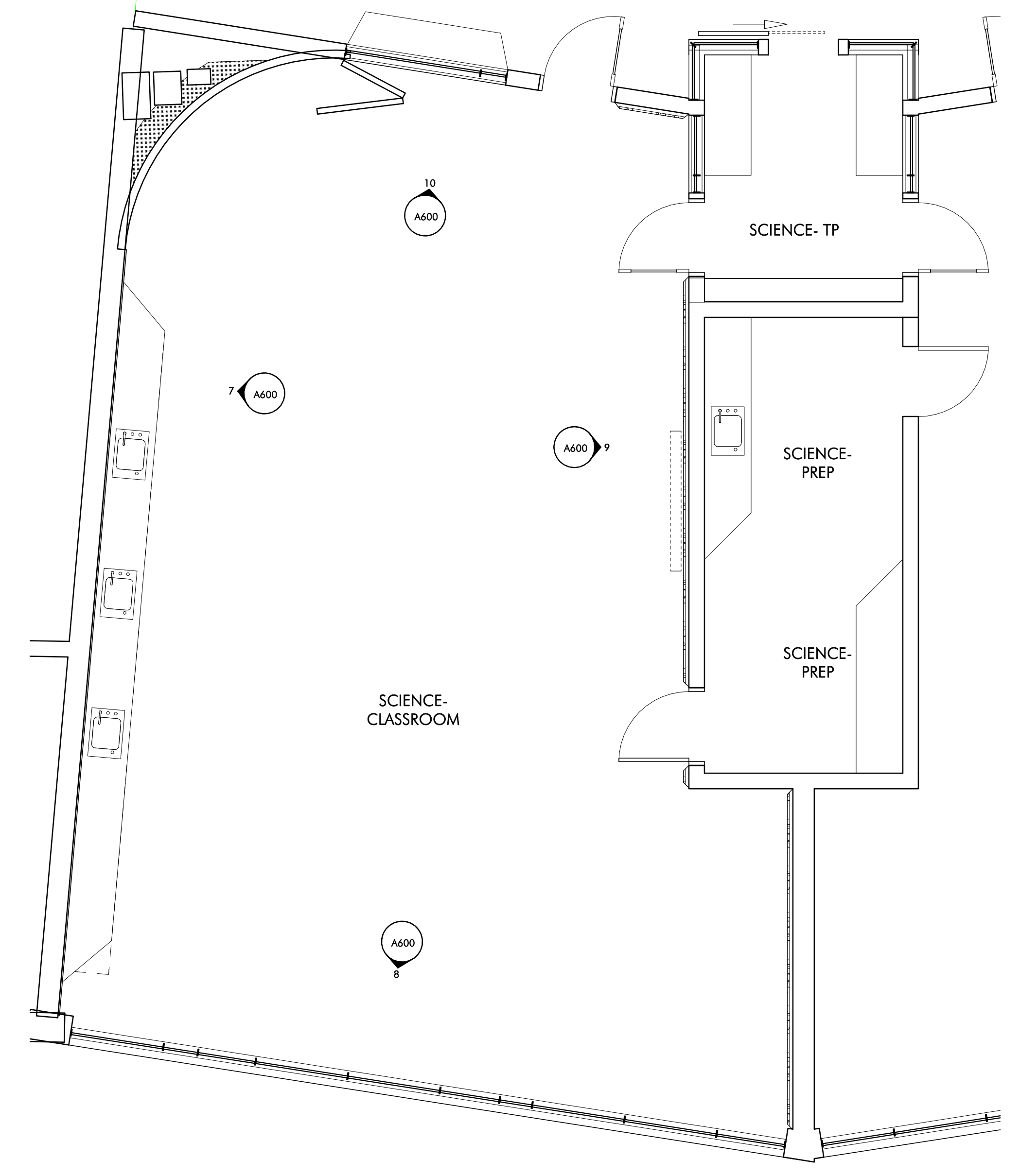
9 TYPICAL SCIENCE ELEVATION - EAST
1/4" = 1'-0"



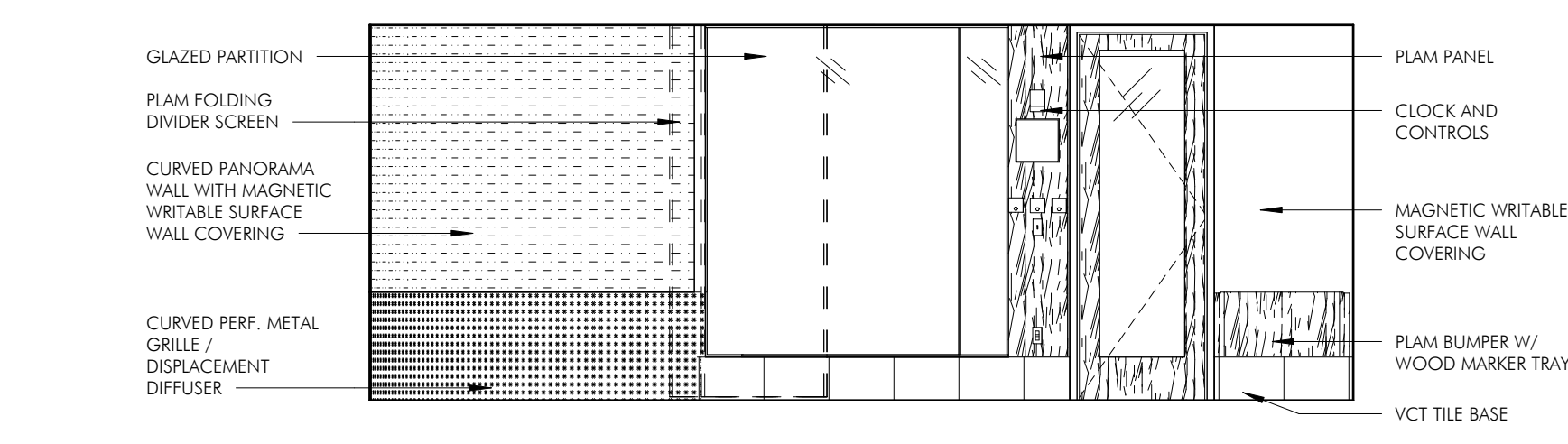
8 TYPICAL SCIENCE ELEVATION - SOUTH
1/4" = 1'-0"



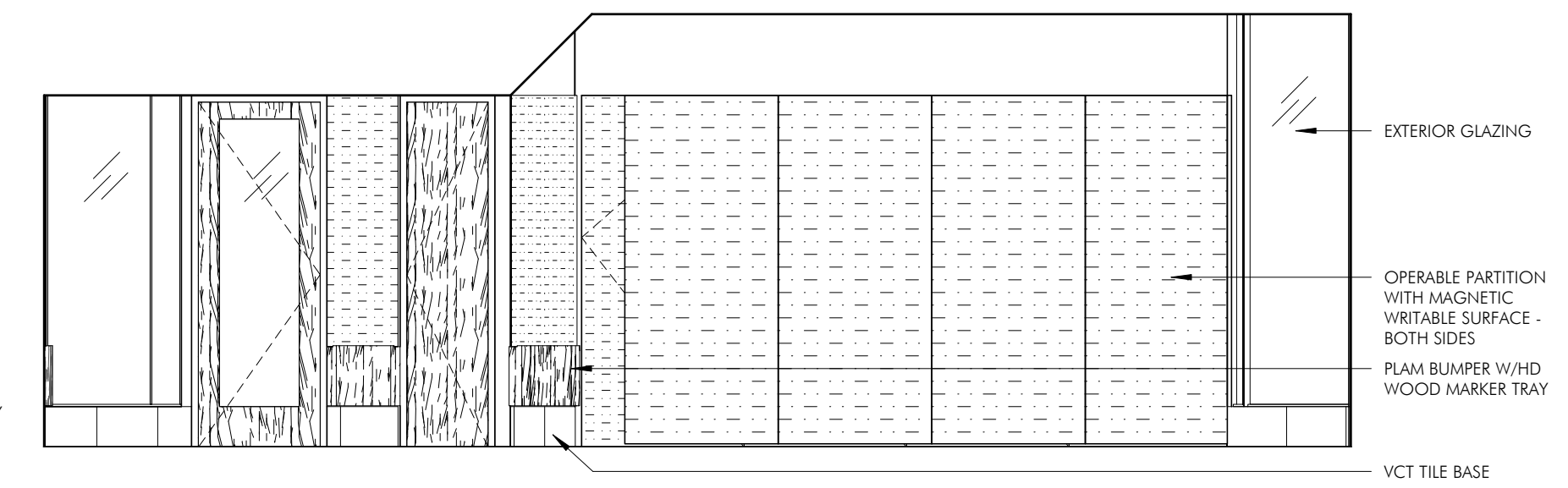
7 TYPICAL SCIENCE ELEVATION - WEST
1/4" = 1'-0"



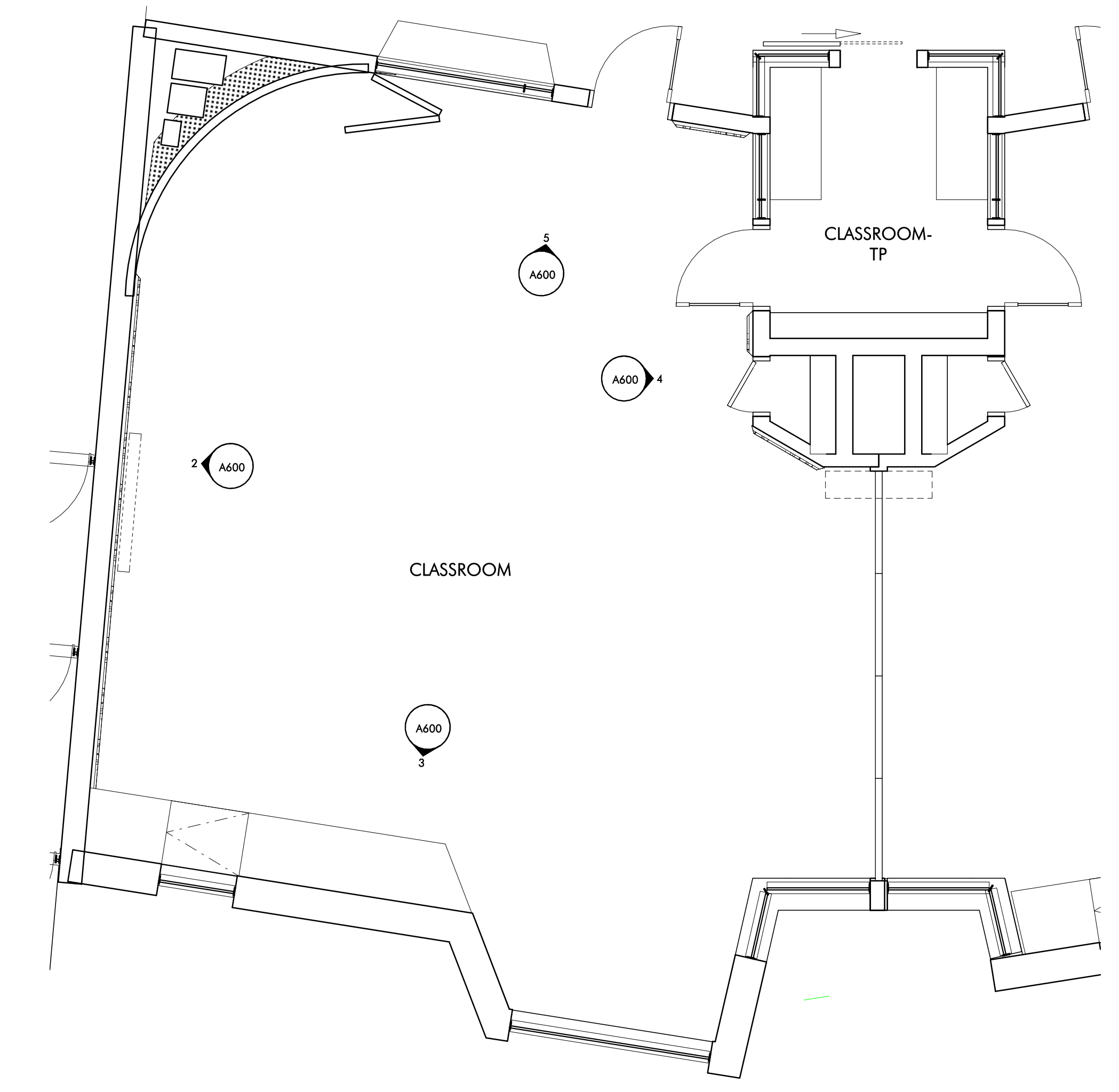
6 TYPICAL SCIENCE CLASSROOM
1/4" = 1'-0"



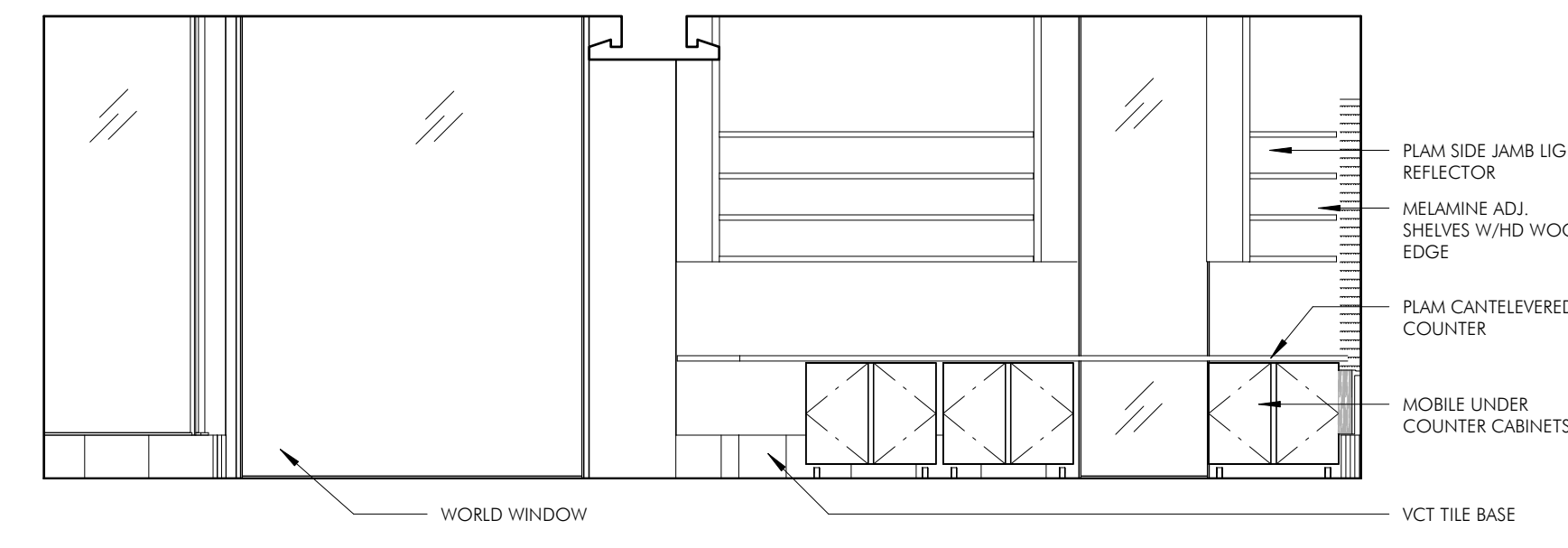
5 TYPICAL CLASSROOM ELEVATION - NORTH
1/4" = 1'-0"



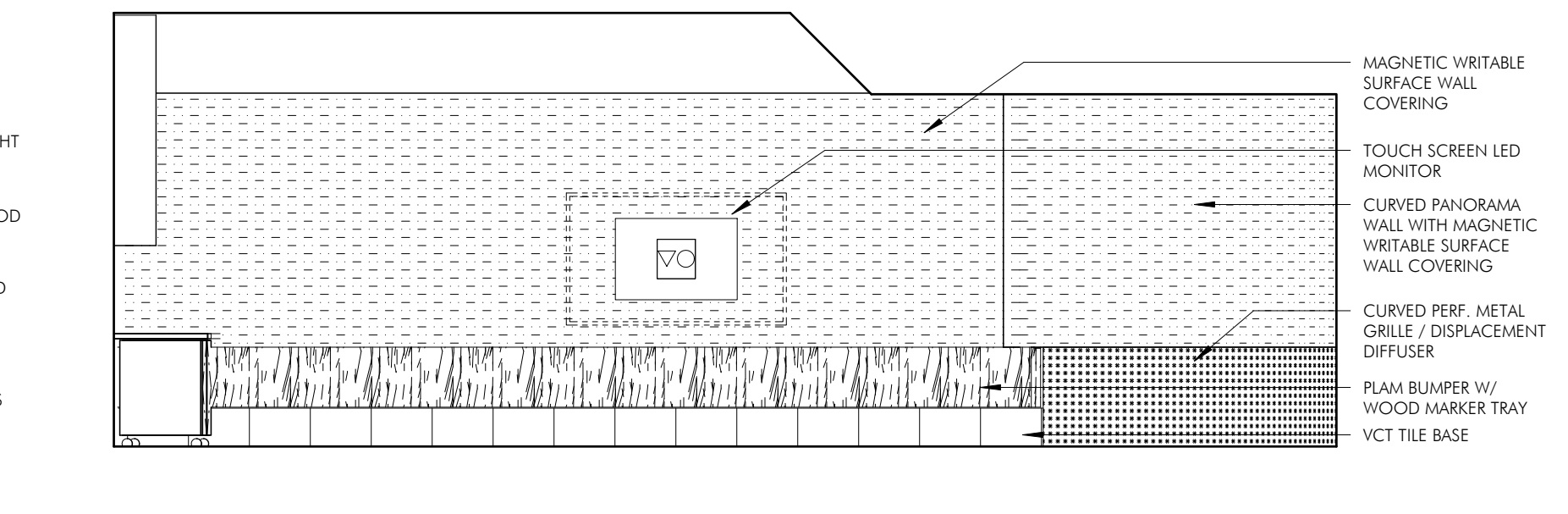
4 TYPICAL CLASSROOM ELEVATION - EAST
1/4" = 1'-0"



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



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



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

REVISIONS

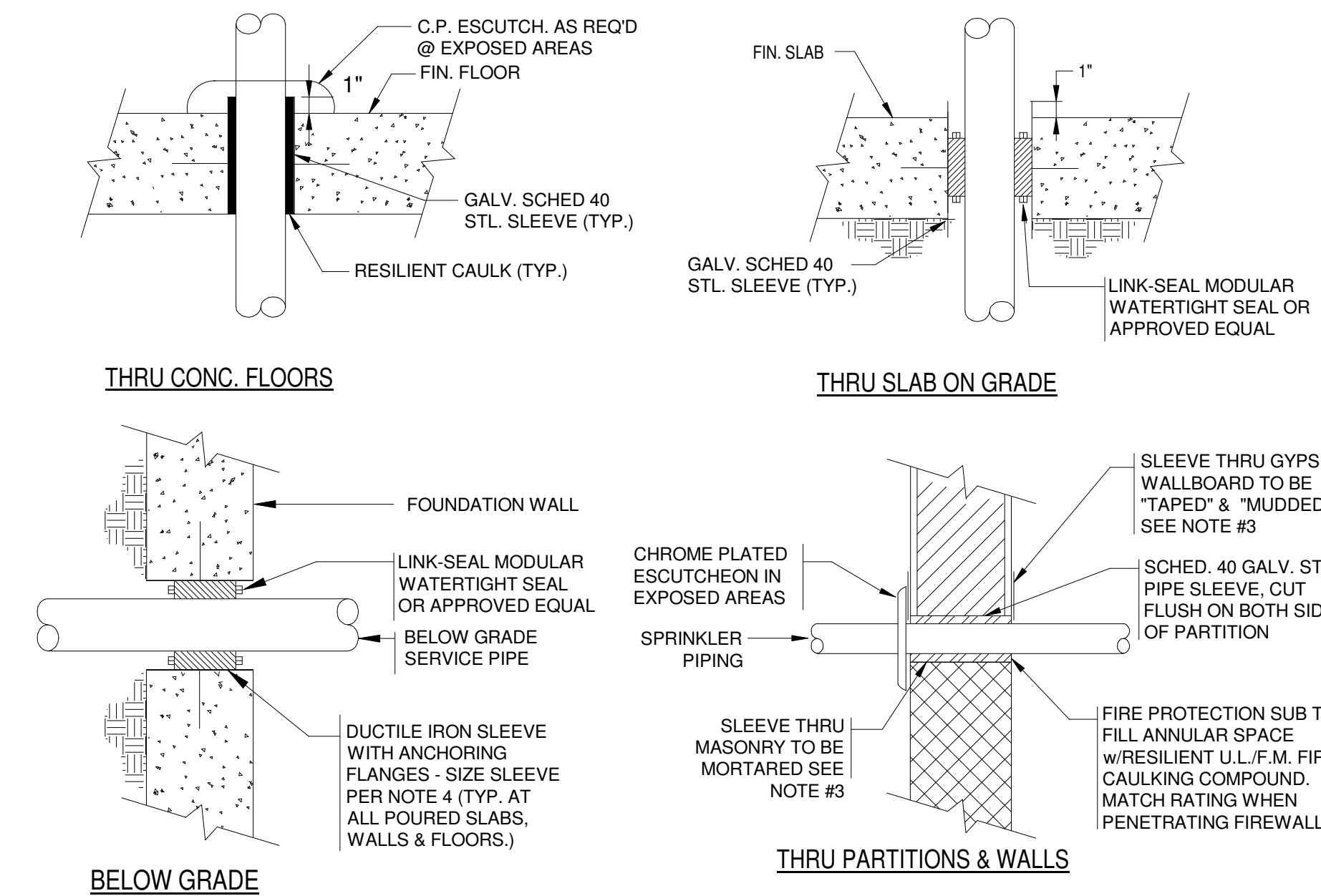
No.	Date	Description

LEGEND		
SYMBOL	ABBREV	DESCRIPTION
— FSP	FSP	STANDPIPE (WET)
— F	F	FIRE MAIN ABOVEGROUND
— F	F	FIRE MAIN UNDERGROUND
— SPR	SPR	SPRINKLER LINE (WET)
— PA	PA	PREACTION SPRINKLER LINE (DRY)
— SD	SD	SPRINKLER DRAIN
— DSP	DSP	DRY SPRINKLER PIPE (DRY)
▲ EC	EC	SIDEWALL SPRINKLER HEAD EXTENDED COVERAGE
● EC	EC	PENDANT SPRINKLER HEAD EXTENDED COVERAGE
○ I	I	INSTITUTIONAL PENDANT SPRINKLER HEAD
⊙		EXPOSED UPRIGHT SPRINKLER HEAD
⊙		CONCEALED PENDANT SPRINKLER HEAD IN CEILING
▲ D	D	DRY SIDEWALL SPRINKLER HEAD
● D	D	DRY PENDANT SPRINKLER HEAD IN CEILING
○ DP, DN	DP, DN	PIPE DROP OR DOWN
○ UP	UP	PIPE RISE OR UP
—		TEE LOOKING DOWN
—		CAP ON END OF PIPE
—		STRAINER
—		UNION
—	PG	PRESSURE GAGE
—	CV	CHECK VALVE
—	SCV	SUPERVISED CONTROL VALVE
—	VIV	VALVE ON VERTICAL
—	FDC	FIRE DEPARTMENT CONNECTION
—	FS	FLOW SWITCH
—	PV	POST INDICATOR VALVE
—	ABD	AUTOMATIC BALL DRIP
—		PRESSURE RELIEF VALVE
—		SLOPED PIPE
—	DACV	DRY ALARM CHECK VALVE
—	MACV	MAIN WET ALARM CHECK VALVE
—	PAV	PRE-ACTION VALVE
—	WMG	WATER MOTOR GONG
—	ITC	INSPECTORS TEST CONNECTION
—	TYP.	TYPICAL
—	AC	CONCEALED ABOVE CEILING
—	⊙C	EXPOSED AT CEILING
—	AP	ACCESS PANEL
—	AF	ABOVE FINISHED FLOOR
—	FI	FURNISH AND INSTALL
—	FC	PLUMBING CONTRACTOR
—	PA	PRE-ACTION
—	FPC	FIRE PROTECTION CONTRACTOR
—	GC	GENERAL CONTRACTOR
—	HVAC	HEAT, VENT & AIR CONDITIONER, CONTRACTOR
—	EC	ELECTRICAL CONTRACTOR
—	DCVA	DOUBLE CHECK VALVE ASSEMBLY
—	EXP	EXPOSED
—	LPD	LOW POINT DRAIN
—	FDV	FIRE DEPARTMENT VALVE
—	FDVC	FIRE DEPT. VALVE CABINET
—	FHC	FIRE HOSE CABINET
—	SCVA	SPRINKLER FLOOR CONTROL VALVE ASSEMBLY
—		NO AUTOMATIC SPRINKLERS
—	TS	TAMPER (SUPERVISORY) SWITCH
—	FS	FLOW SWITCH
—	AC	AIR COMPRESSOR
—	PS	PRESSURE SWITCH
—	ITS	REMOTE INSPECTORS TEST STATION
—	I	HYDRAULIC NODE POINT DESIGNATION
—	S	IONIZATION SMOKE DETECTOR
—	P	PHOTOELECTRIC SMOKE DETECTOR
—		DENOTES SPRINKLER DESIGN CRITERIA
—		DENOTES SPRINKLER ZONE BOUNDARY

NOTE: NOT ALL SYMBOLS LISTED ARE APPLICABLE TO THIS PROJECT.

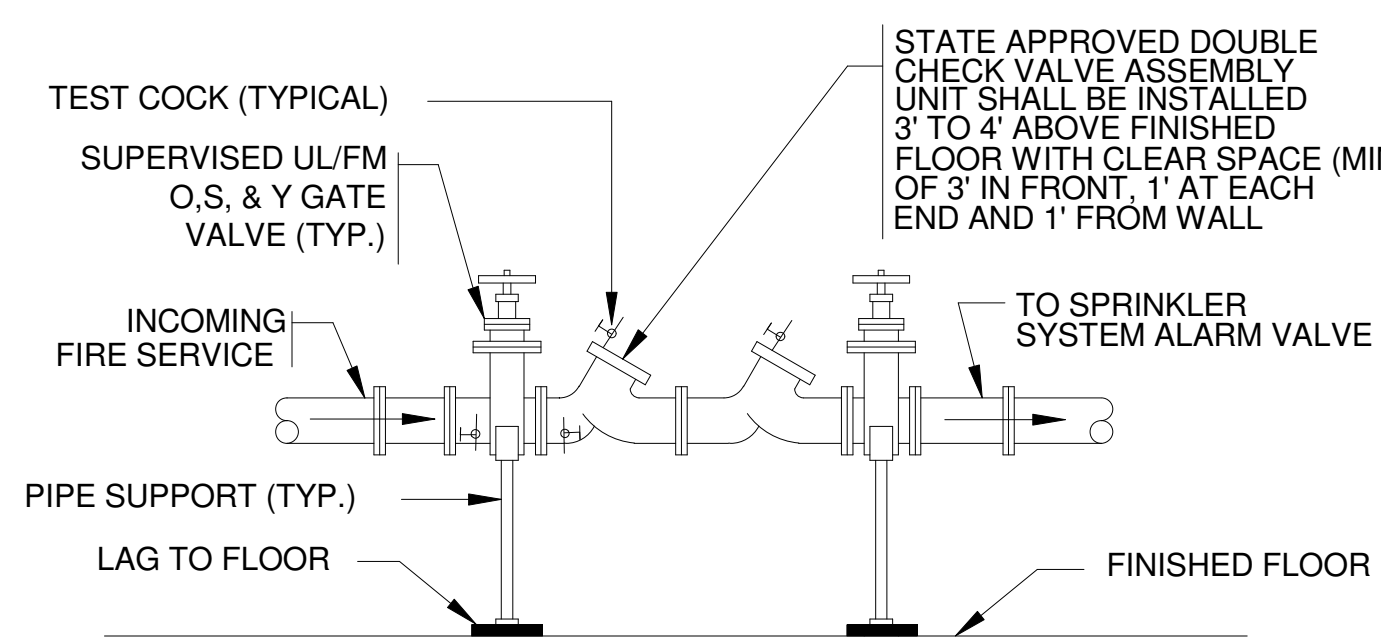
GENERAL NOTES

- THE WORK HEREIN REQUIRED INCLUDES A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM AS SPECIFIED IN THE DOCUMENTS AND AS APPROVED BY THE ARCHITECT.
- THE FIRE PROTECTION DRAWINGS ARE DIAGRAMMATIC AND ARE TO BE USED FOR THE PURPOSE OF ESTABLISHING GENERAL LOCATIONS OF PIPING RUNS, SIZES OF PIPING, AND QUANTITIES OF FIXTURES AND EQUIPMENT TO BE FURNISHED HEREIN. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS FOR EXACT LOCATIONS OF ALL SPRINKLER HEADS, AND EQUIPMENT, INCLUDING MOUNTING HEIGHTS. IN THE EVENT OF CONFLICT OR IF DIMENSIONS ARE NOT SHOWN, OBTAIN FIELD DIRECTIVE FROM THE ARCHITECT AS TO THE LOCATIONS OF ALL VISIBLE EQUIPMENT.
- ALL PIPING SHOWN ON THESE PLANS OR THOSE TO BE DESIGNED HEREIN SHALL BE RUN CONCEALED ABOVE SUSPENDED CEILING, IN CHASES, OR IN PARTITIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL SPRINKLER HEADS IN CEILING TILES SHALL BE LOCATED IN THE EXACT CENTER OF 2'x2' TILE OR FOR A 2'x4' TILE IN THE CENTER OF EITHER HALF, UNLESS SPECIFICALLY APPROVED OTHERWISE BY THE ARCHITECT.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND CEILING MATERIALS AND LAYOUTS. REFER TO THE RESPECTIVE PLUMBING, HVAC AND ELECTRICAL DRAWINGS FOR LIGHTING, DIFFUSER AND REGISTER LAYOUTS IN CEILINGS AND FOR PIPING, DUCTWORK AND EQUIPMENT ABOVE CEILINGS FOR COORDINATION PURPOSES. IN THE EVENT OF CONFLICT OR IF DIMENSIONS ARE NOT SHOWN, OBTAIN FIELD DIRECTIVE FROM THE ARCHITECT AS TO THE LOCATIONS OF ALL VISIBLE EQUIPMENT.
- THE SPRINKLER CONTRACTOR SHALL PROVIDE AS PART OF THIS CONTRACT ALL SPRINKLERS BELOW FIXED OBSTRUCTIONS 48" AND LARGER AS REQUIRED BY NFPA 13, 8.6.5.3.3. IT IS THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR TO PROVIDE THE REQUIRED SPRINKLERS AND ALL ASSOCIATED PIPING, FITTINGS, HANGERS, ETC. FOR A COMPLETE INSTALLATION.
- ATTENTION IS CALLED TO THE REQUIREMENT FOR THE PREPARATION OF COORDINATION DRAWINGS. IN ADDITION TO THE PREPARATION OF SHOP DRAWINGS ALSO PREPARE COORDINATION DRAWINGS AS OUTLINED IN THE SPECIFICATION. THE APPROVAL OF THE SHOP DRAWINGS INCLUDING DIMENSIONS SHOWN THEREIN DOES NOT RELIEVE THE CONTRACTOR.
- SPECIFIC ATTENTION IS DIRECTED TO THE REQUIREMENTS OF MA BUILDING CODE AND NFPA 241-2009 REGARDING THE MAINTENANCE OF FIRE PROTECTION SYSTEMS INCLUDING STANDPIPES AND BULK FIRE MAINS BOTH DURING CONSTRUCTION AND DEMOLITION. MAINTAIN THE SYSTEMS AS REQUIRED BY THESE STANDARDS AS A MINIMUM.
- THE SPRINKLER CONTRACTOR SHALL PROVIDE AS PART OF HIS CONTRACT AN INSPECTOR'S TEST STATION ON EACH SPRINKLER ZONE. THE INSPECTOR'S TEST STATION WILL BE LOCATED AT THE MOST HYDRAULICALLY REMOTE PART OF EACH ZONE AND SHALL BE IDENTIFIED ON THE SPRINKLER SHOP DRAWINGS.
- REFER TO NFPA 13 TABLE 8.3.2.5(a) FOR TEMPERATURE RATING OF SPRINKLERS BASED ON DISTANCE FROM HEAT SOURCES SUCH AS HEATING DUCTS, DIFFUSERS AND UNIT HEATERS.



1 TYPICAL SLEEVE CONDITION DETAILS

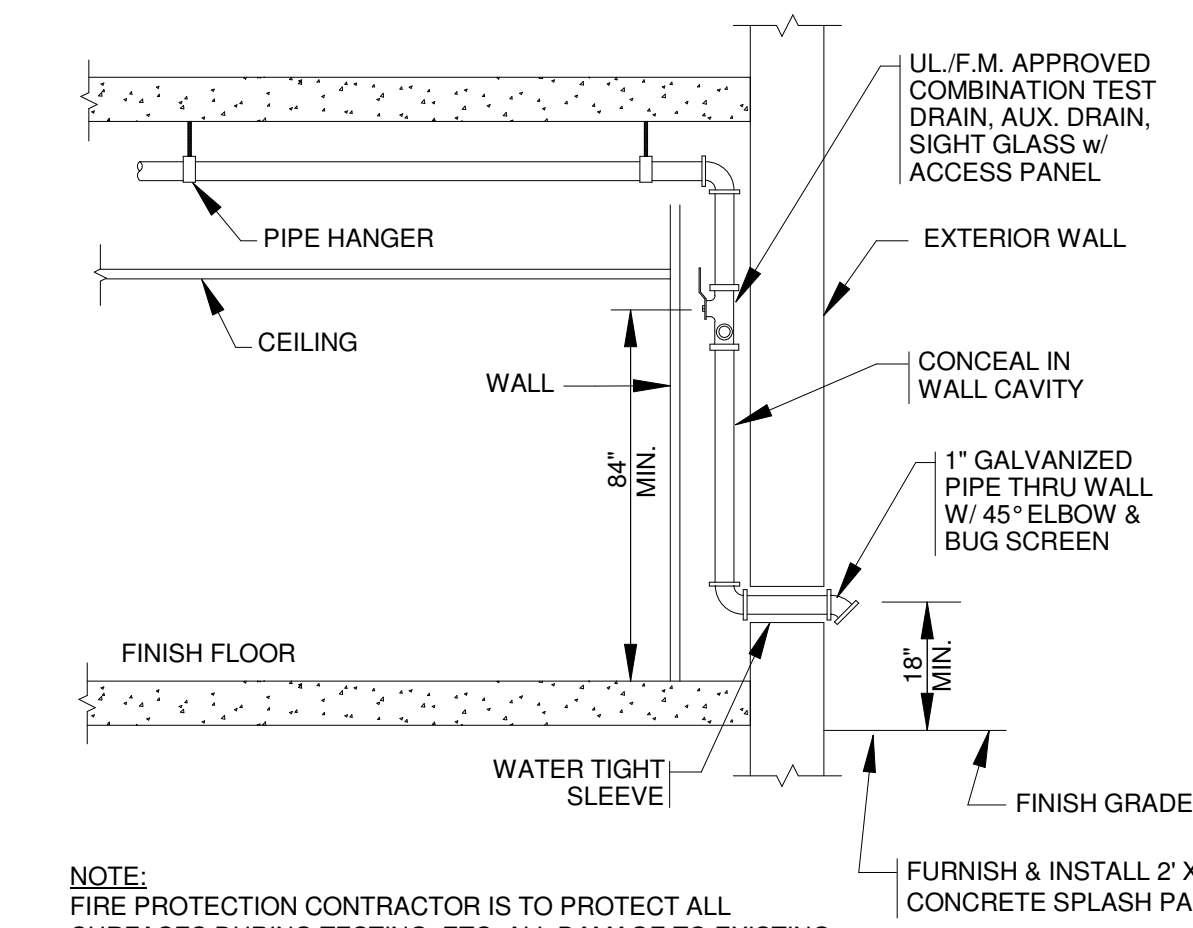
- 1 N.T.S.
- NOTE:
 1. ALL PIPING PENETRATING ALL PARTITIONS, WHETHER FIRE OR SMOKE RATED OR NOT, CONCEALED OR EXPOSED, SHALL BE SLEEVED AS DETAILED.
 2. WHERE CONCRETE WALLS, SLABS, ETC., ARE CORE DRILLED, INSTALL SLEEVE FLUSH WITH BOTH SIDES, CAULKED & LEADED IN PLACE.
 3. REFER TO DIVISION 4 & 9 FOR PROCEDURES & METHODS OF PATCHING AROUND SLEEVES AT GYPSUM, PLASTER & MASONRY. REFER TO SPECS FOR DELINEATION OF RESPONSIBILITY. SLEEVES SHALL BE SIZED TO PROVIDE MIN. 1" CLEARANCE BETWEEN PIPE O.D. & SLEEVE I.D.
 4. FOR PIPING UP TO 3" IN SIZE. PROVIDE 2" CLEARANCE BETWEEN PIPE O.D. & SLEEVE I.D. FOR PIPING 4" IN SIZE AND GREATER.



4 DOUBLE CHECK VALVE ASSEMBLY (DCVA) DETAIL

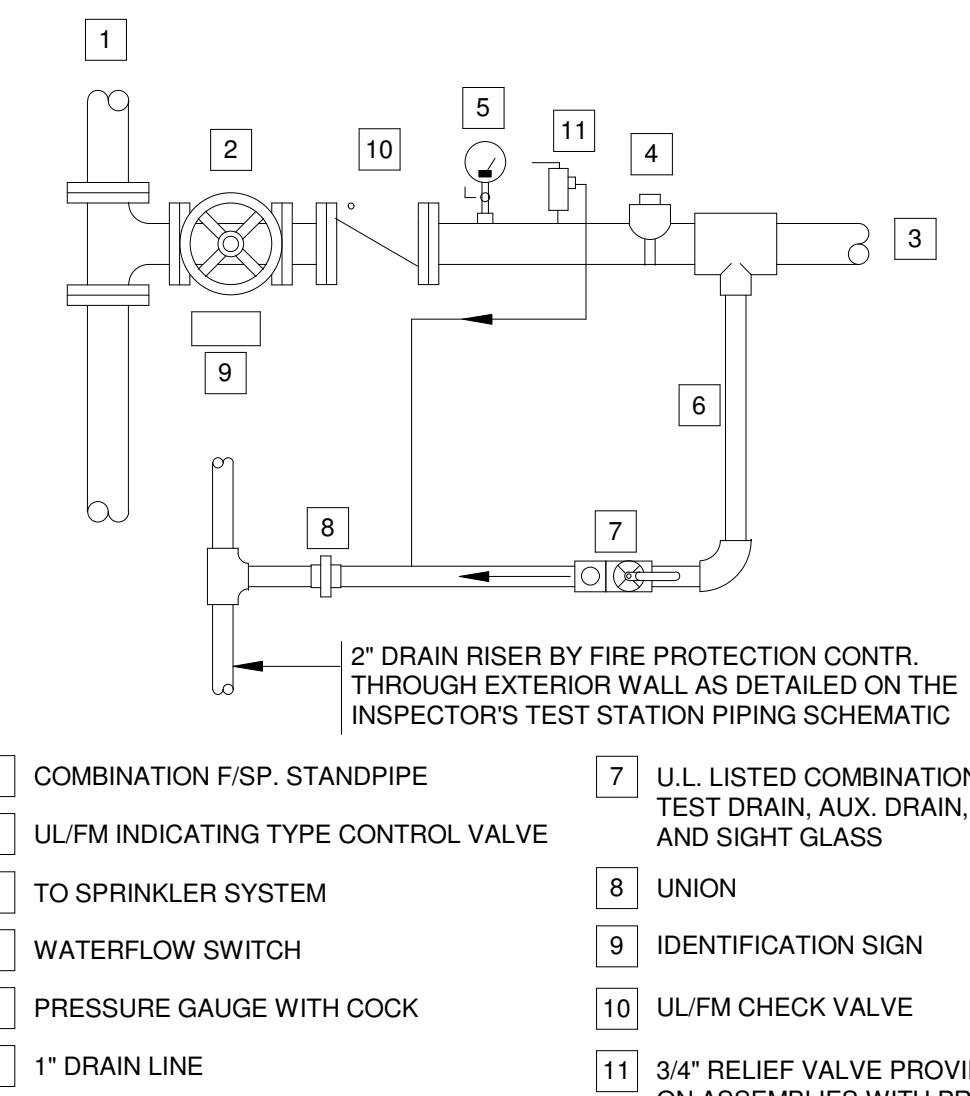
4 N.T.S.

- NOTE:
 1. SUPPORT PIPING AND FITTINGS AS REQUIRED TO CONFORM TO MANUFACTURERS AND OR CODE REQUIREMENTS.
 2. MATERIALS AND METHODS FOR THIS INSTALLATION SHALL CONFORM TO ALL STATE & U.S. PUBLIC HEALTH SERVICES CODES AND REGULATIONS
 3. FILE FOR AND OBTAIN ALL REQUIRED APPROVALS & PERMITS PRIOR TO INSTALLATION



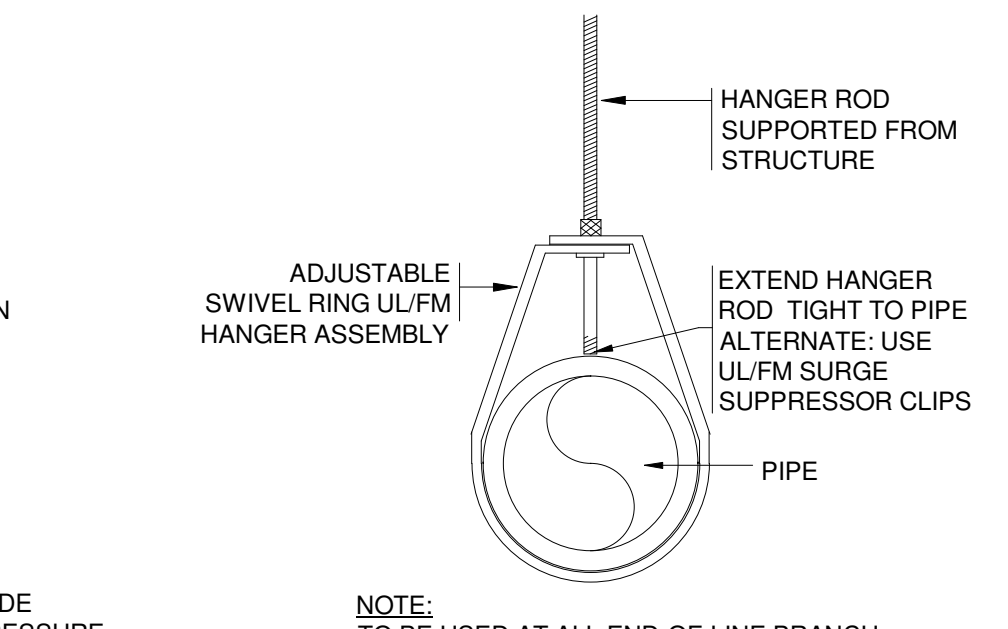
5 INSPECTOR'S TEST STATION PIPING SCHEMATIC

5 N.T.S.



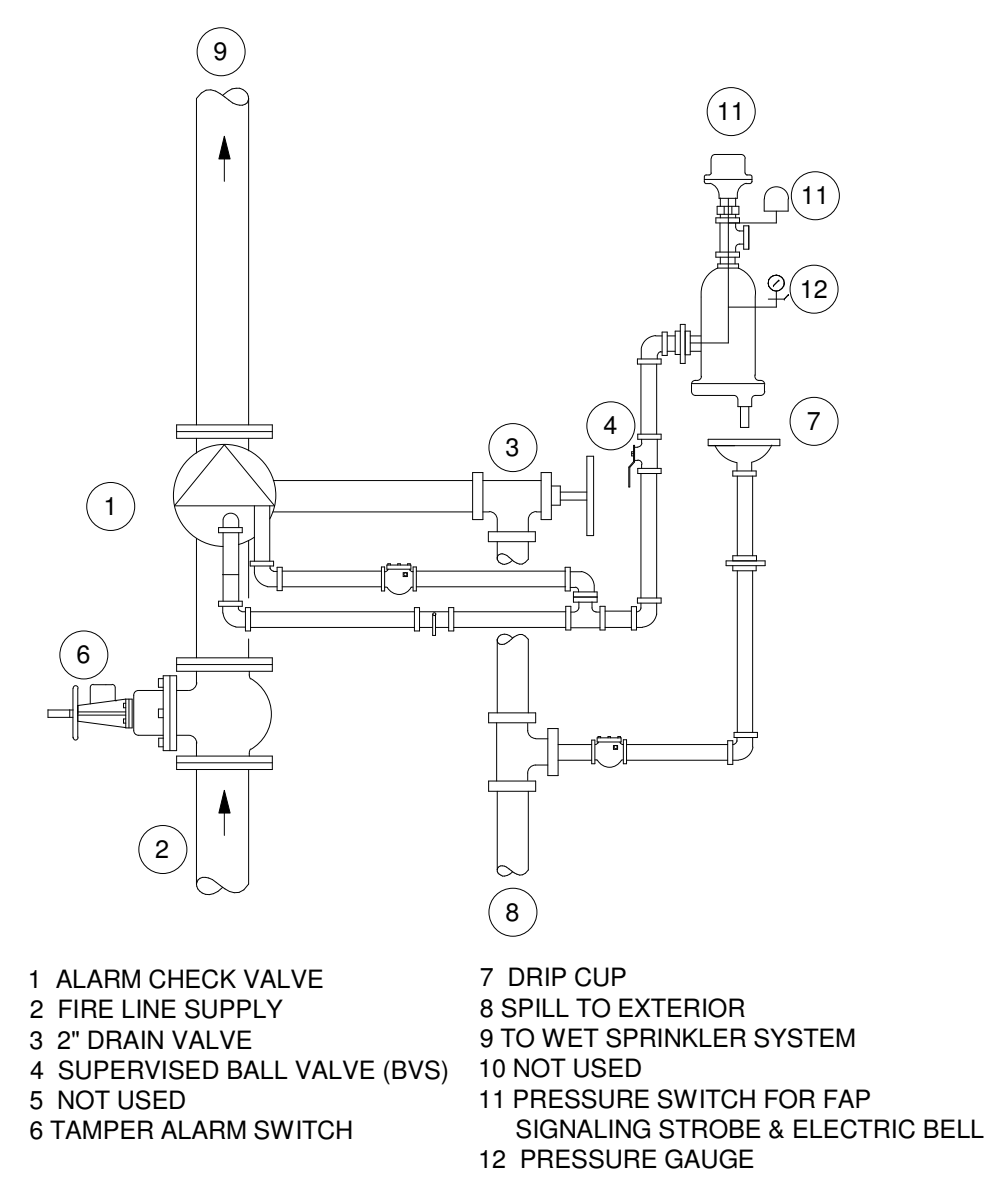
2 SPRINKLER CONTROL VALVE ASSEMBLY (SCVA) DETAIL

2 N.T.S.



3 TYPICAL END-OF-LINE BRANCH PIPE HANGER DETAIL

3 N.T.S.



6 MAIN ALARM CHECK VALVE DETAIL

6 N.T.S.



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 Fax: 617 437 1965

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FULLER SCHOOL
 31 FLAG DRIVE, FRAMINGHAM, MA

PROJECT STATUS

SCHEMATIC DESIGN
 09/07/18

REVISIONS

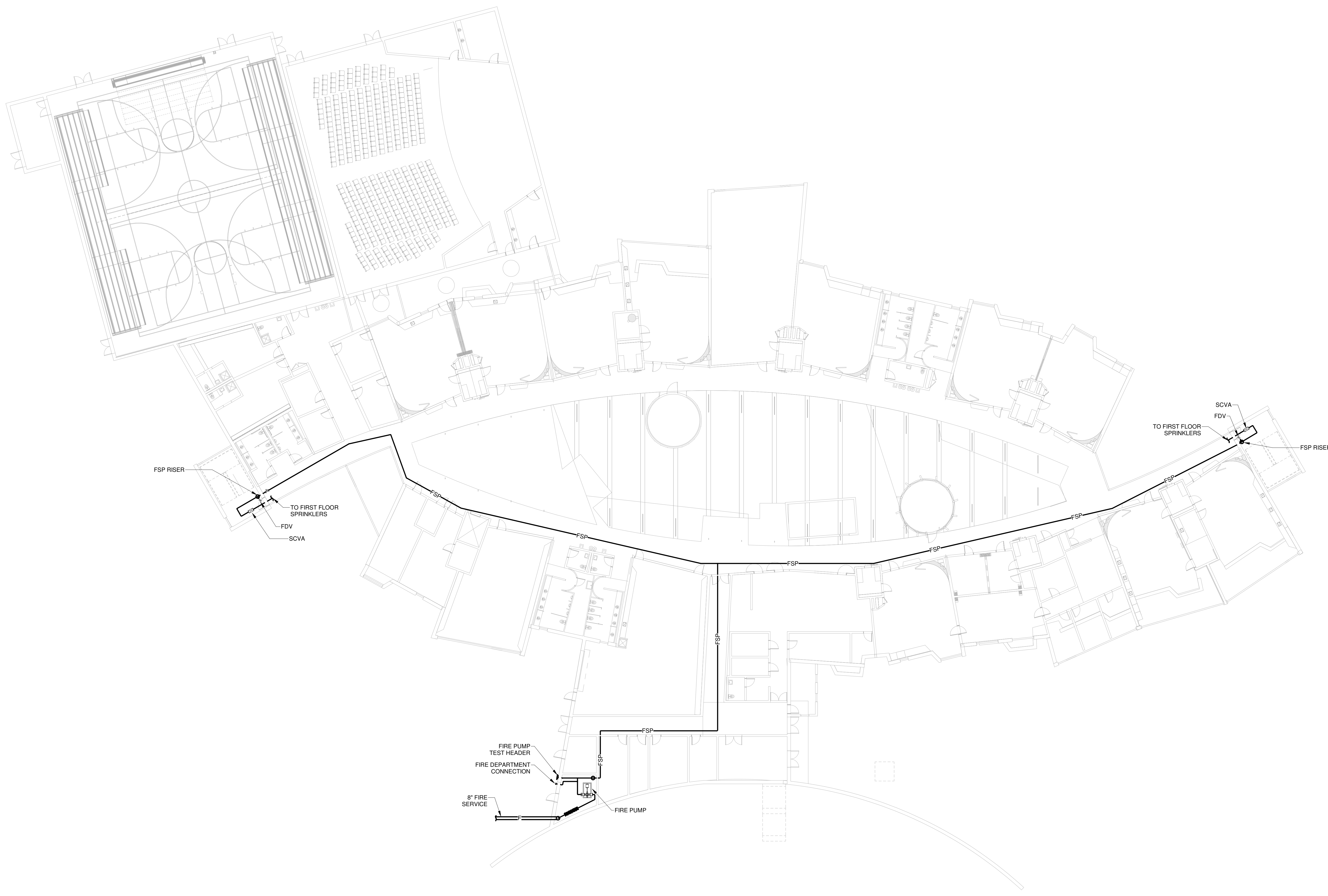
No.	Date	Description

DRAWING NAME
 LEGEND, SCHEDULES, AND DETAILS

PROJECT NO. Project Number

DRAWING NO.

FP001



1 FLOOR 01
 FP1.01 1/16" = 1'-0"



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 ARCHITECTS

FULLER SCHOOL

PROJECT STATUS
 SCHEMATIC DESIGN
 09/07/18

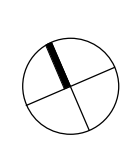
REVISIONS

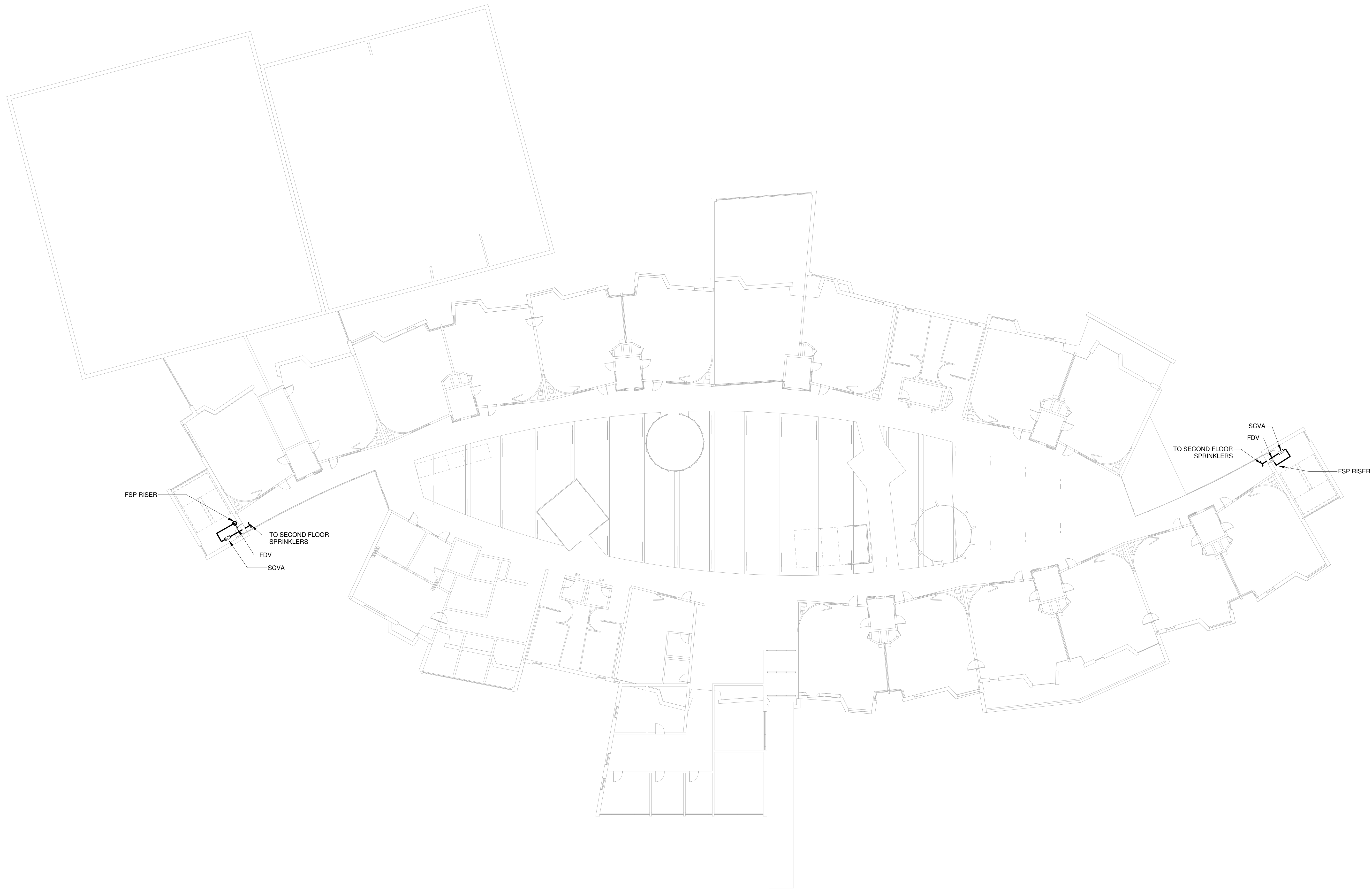
No.	Date	Description

DRAWING NAME
 FIRST FLOOR RCP -
 FIRE PROTECTION

PROJECT NO. Project Number
 DRAWING NO.

FP1.01





1 FLOOR 02
 FP1.02 1/16" = 1'-0"

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 31 FLAGG DRIVE, FRAMINGHAM, MA

PROJECT STATUS
 SCHEMATIC DESIGN
 09/07/18

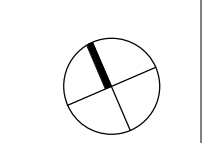
REVISIONS

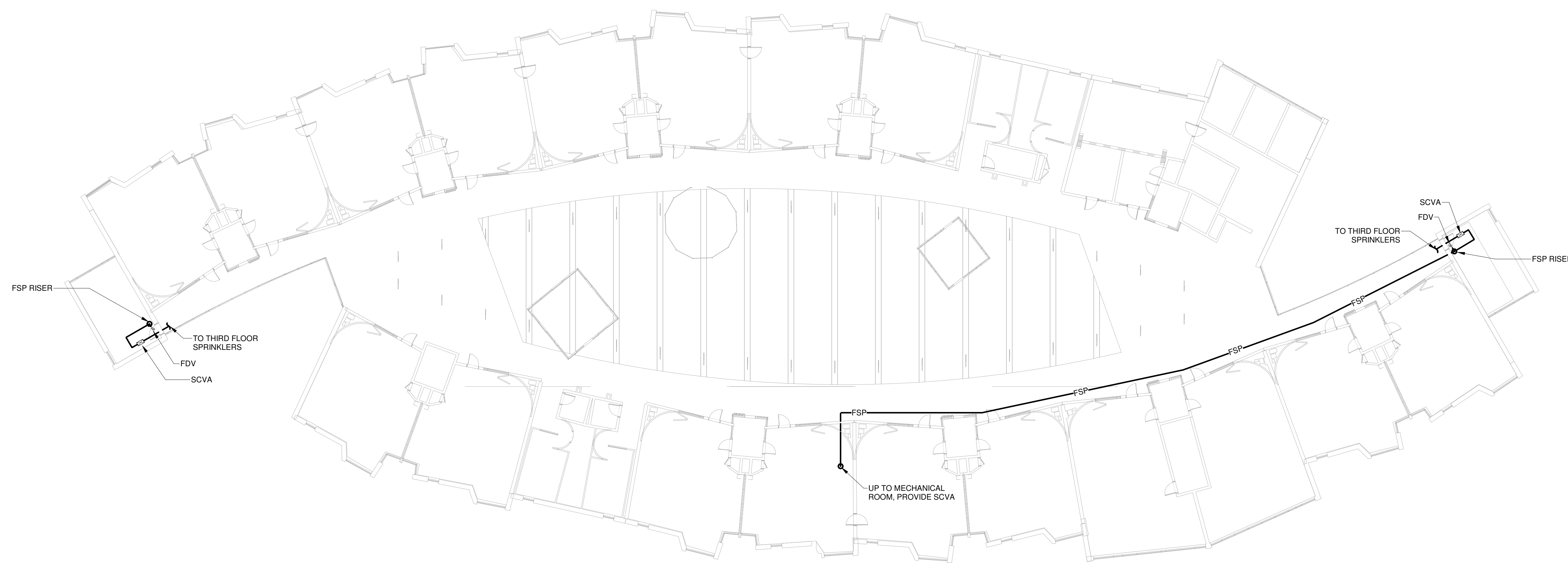
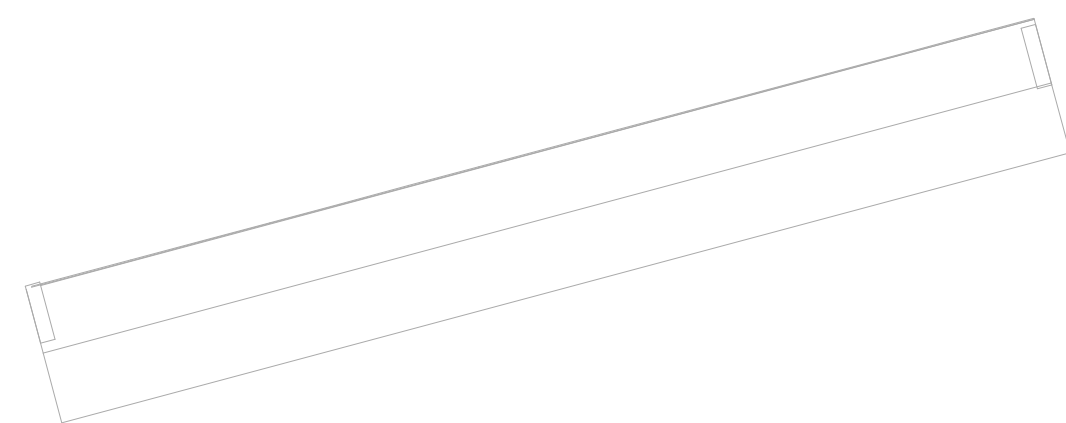
No.	Date	Description

DRAWING NAME
 SECOND FLOOR
 RCP - FIRE
 PROTECTION

PROJECT NO. Project Number

DRAWING NO.
FP1.02





1 FLOOR 03
FP1.03 1/16" = 1'-0"



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PROJECT STATUS
SCHEMATIC DESIGN
09/07/18

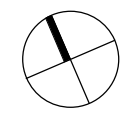
REVISIONS

No.	Date	Description

DRAWING NAME
THIRD FLOOR RCP -
FIRE PROTECTION

PROJECT NO. Project Number
DRAWING NO.

FP1.03



LEGEND

SYMBOL	ABBREV	DESCRIPTION
NEW	NEW WORK (DARK)	
EX	EXISTING WORK (LIGHT)	
SW	SOIL/WASTE ABV. GRADE	
S/W	SOIL/WASTE UNDERGROUND	
V	VENT ABV. GRADE	
V	VENT UNDERGROUND	
IW	INDIRECT WASTE	
RL	RAIN LEADER ABV. GRADE	
RL	RAIN LEADER UNDERGROUND	
OD	OVERFLOW DRAIN	
CW	COLD WATER	
HW	HOT WATER	
HWR	HOT WATER RETURN	
HW 140°	HOT WATER RETURN 140°F	
HWR 140°	HOT WATER RETURN 140°F	
NPCW	HOT WATER RETURN 140°F	
NPCW	HOT WATER RETURN 140°F	
NPHWR	HOT WATER RETURN 140°F	
G	FUEL GAS PIPING	
DP, DN	PIPE DROP OR DOWN	
UP	PIPE RISE OR UP	
FD	FLOOR DRAIN, ROOF DRAIN, AREA DRAIN	
RD	ROOF DRAIN	
AD	AREA DRAIN	
STRAINER	STRAINER	
UNION	UNION	
CO	CLEANOUT	
DCO	DANDY CLEANOUT	
FCO	FLOOR CLEANOUT	
PQ/TG	PRESSURE GAGE/TEMPERATURE GAGE	
SA	SHOCK ABSORBER	
BALANCING VALVE	BALANCING VALVE	
BV	BALL VALVE	
CV	CHECK VALVE	
GC	GAS COCK	
GR	GAS PRESSURE REGULATOR	
SOLENOID VALVE	SOLENOID VALVE	
GV	GATE VALVE	
PRV	PRESSURE REDUCING VALVE	
VOV	VALVE ON VERTICAL	
PT	P-TRAP	
S&W	STOP & WASTE VALVE	
EL	EXPANSION LOOP	
PIPE GUIDE	PIPE GUIDE	
PIPE ANCHOR	PIPE ANCHOR	
FLOW IN DIRECTION OF ARROW	FLOW IN DIRECTION OF ARROW	
HBWH	HOSE BIBB/WALL HYDRANT	
GW	GARAGE WASTE UNDERGROUND	
GV	GARAGE VENT	
GV	GARAGE VENT UNDERGROUND	
TP	TRAP PRIMER	
TW	TEMPERED WATER	
TYP.	TYPICAL	
FFE	FINISHED FLOOR ELEVATION	
INV	INVERT ELEVATION	
VTR	VENT THRU ROOF	
AVTR	ACID VENT THRU ROOF	
AP	ACCESS PANEL	
AF	ABOVE FINISHED FLOOR	
AFG	ABOVE FINISHED GRADE	
FG	FINISHED GRADE	
CI	CAST IRON	
CP	CHROME PLATED	
UC	UNDER COUNTER	
F&I	FURNISH AND INSTALL	
PC	PLUMBING CONTRACTOR	
FPC	FIRE PROTECTION CONTRACTOR	
GC	GENERAL CONTRACTOR	
HVAC	HEAT, VENT & AIR COND. CONTRACTOR	
DCVA	DOUBLE CHECK VALVE ASSEMBLY	
RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR	
STK	STACK	
STP	STANDPIPE	
EXP	EXPOSED	
FBO	FURNISHED BY OTHERS	

NOTE: NOT ALL SYMBOLS LISTED ARE APPLICABLE TO THIS PROJECT

GENERAL NOTES

- THE PLUMBING DRAWINGS ARE DIAGRAMMATIC AND ARE TO BE USED FOR THE PURPOSE OF ESTABLISHING GENERAL LOCATIONS OF PIPING RUNS, SIZES OF PIPING, AND QUANTITIES OF FIXTURES AND EQUIPMENT TO BE FURNISHED HEREIN. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS FOR EXACT LOCATIONS OF ALL PLUMBING FIXTURES, AND EQUIPMENT, INCLUDING FLOOR DRAINS, AND MOUNTING HEIGHTS. IN THE EVENT OF CONFLICT OR IF DIMENSIONS ARE NOT SHOWN, OBTAIN FIELD DIRECTIVE FROM THE ARCHITECT AS TO THE LOCATIONS OF ALL VISIBLE EQUIPMENT. PAY PARTICULAR CARE TO COORDINATE WITH THE ARCHITECT'S FIELD REPRESENTATIVE ALL FLOOR DRAIN AND FLOOR CLEANOUT LOCATIONS.
- ALL PIPING SHOWN ON THIS PLAN SHALL BE RUN CONCEALED ABOVE SUSPENDED CEILINGS, IN CHASES, OR IN PARTITIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
- INSTALL ALL NEW VALVES SO AS TO BE EASILY ACCESSIBLE AND OPERABLE.
- THE PLUMBING DRAWINGS ARE INTENDED TO INDICATE THE SIZING AND DESIGN FOR THE MAIN SUPPLY AND WASTE PIPING AND FOCUSES ON RUNS AND SIZES OF THE MAIN RISERS, STACKS AND VENT TERMINATION. IT IS NOT INTENDED TO INDICATE EVERY TRAP AND FIXTURE CONNECTION. CONTRACTOR IS REQUIRED TO PROVIDE ALL CONNECTIONS, TO MAKE ALL CONNECTIONS TO ALL DRAINS AND FIXTURES WHICH ARE SHOWN AND SCHEDULED ON THE PLUMBING DRAWINGS.

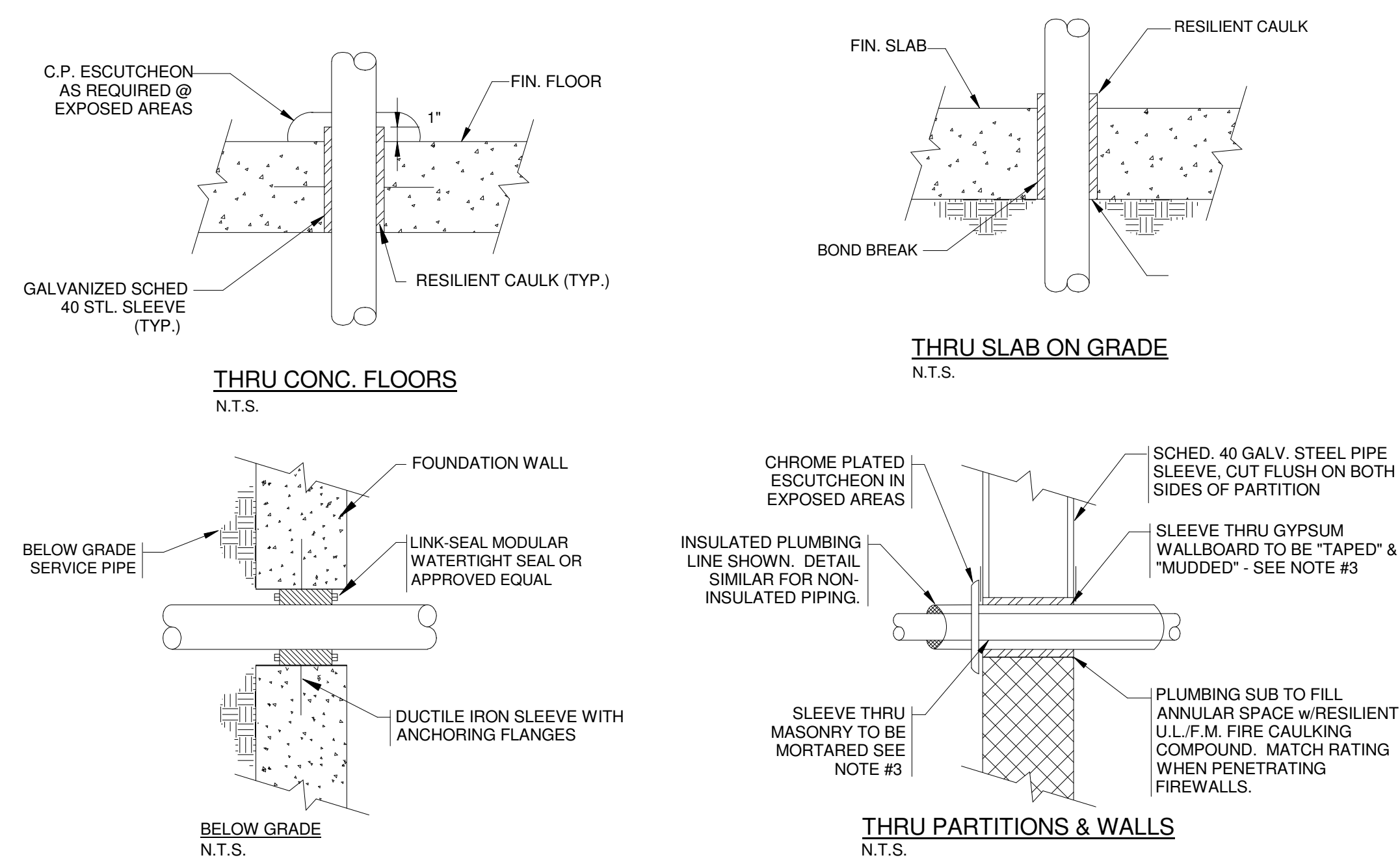
SHOCK ABSORBER SCHEDULE

PDI SYMBOL	A	B	C	D	E	F
ZURN SERIES 1250-XL OR EQ.	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

PIPE SIZE TO FIXTURE SCHEDULE

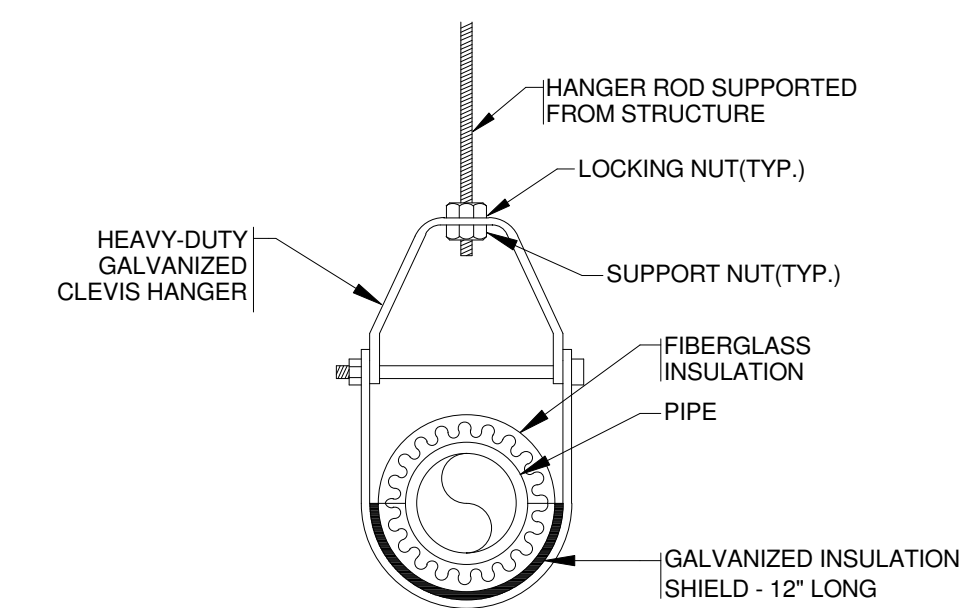
P. NO.	FIXTURE	SW	VENT	CW	HW	KW	KV	AW	AV	NPCW	NPHW	TW	GAS	REMARKS
P-1	WATER CLOSET	4"	2"	1 1/2"	-	-	-	-	-	-	-	-	-	*SUPPLY RISER & 1" STUBOUT TO FLUSH VLV.
P-1A	WATER CLOSET, ACCESSIBLE	4"	2"	1 1/2"	-	-	-	-	-	-	-	-	-	*SUPPLY RISER & 1" STUBOUT TO FLUSH VLV.
P-2	URINAL	3"	2"	1 1/4"	-	-	-	-	-	-	-	-	-	*SUPPLY RISER & 3/4" STUBOUT TO FLUSH VLV.
P-2A	URINAL, ACCESSIBLE	3"	2"	1 1/4"	-	-	-	-	-	-	-	-	-	*SUPPLY RISER & 3/4" STUBOUT TO FLUSH VLV.
P-3	LAVATORY ACCESSIBLE	1 1/2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	-	-	-	COUNTER MOUNTED
P-3A	LAVATORY ACCESSIBLE	1 1/2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	-	-	-	WALL MOUNTED
P-4	DRINKING FOUNTAIN	3"	2"	1 1/2"	1/2"	-	-	-	-	-	-	-	-	FLOOR MOUNTED
P-5	MOP RECEPTOR	3"	2"	1 1/2"	1/2"	-	-	-	-	-	-	-	-	FLOOR MOUNTED
P-6	SHOWER, ACCESSIBLE	2"	2"	1/2"	1/2"	-	-	-	-	-	-	-	-	
P-7	ART SINK	2"	2"	1/2"	1/2"	-	-	-	-	-	-	-	-	WITH SOLIDS INTERCEPTOR
P-7A	ART SINK, ACCESSIBLE	2"	2"	1/2"	1/2"	-	-	-	-	-	-	-	-	WITH SOLIDS INTERCEPTOR

COORDINATE ALL ROUGH-IN REQUIREMENTS WITH ARCHITECTURAL DRAWINGS, ACCESSIBLE HEIGHTS VARY.



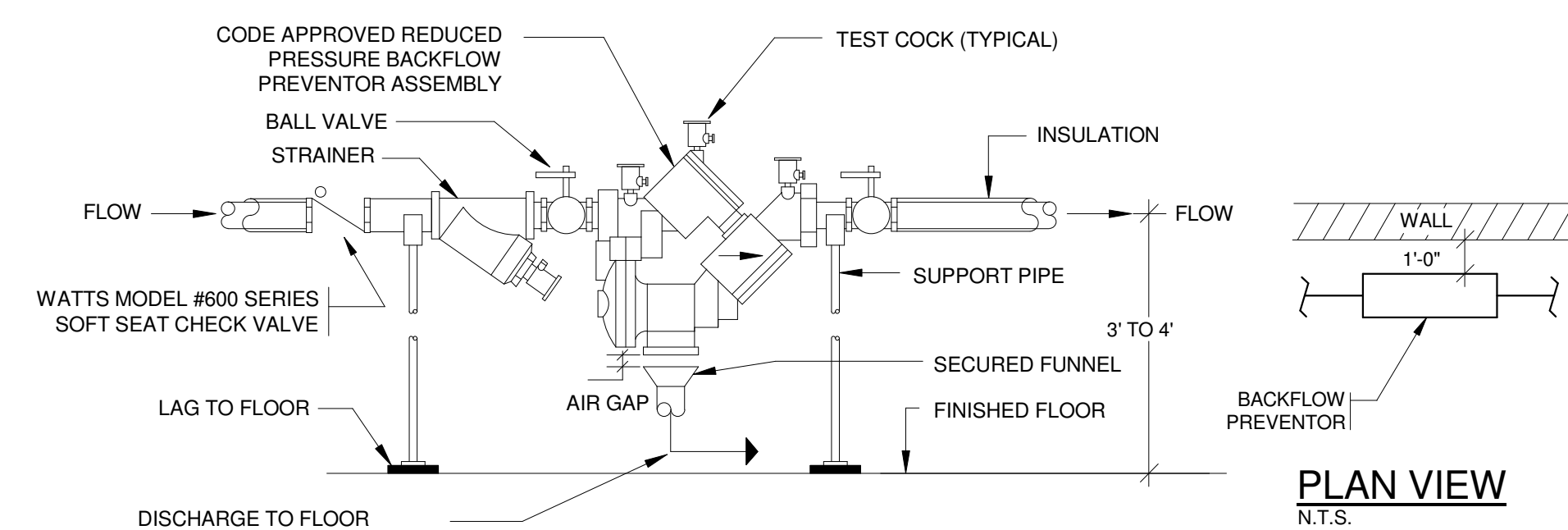
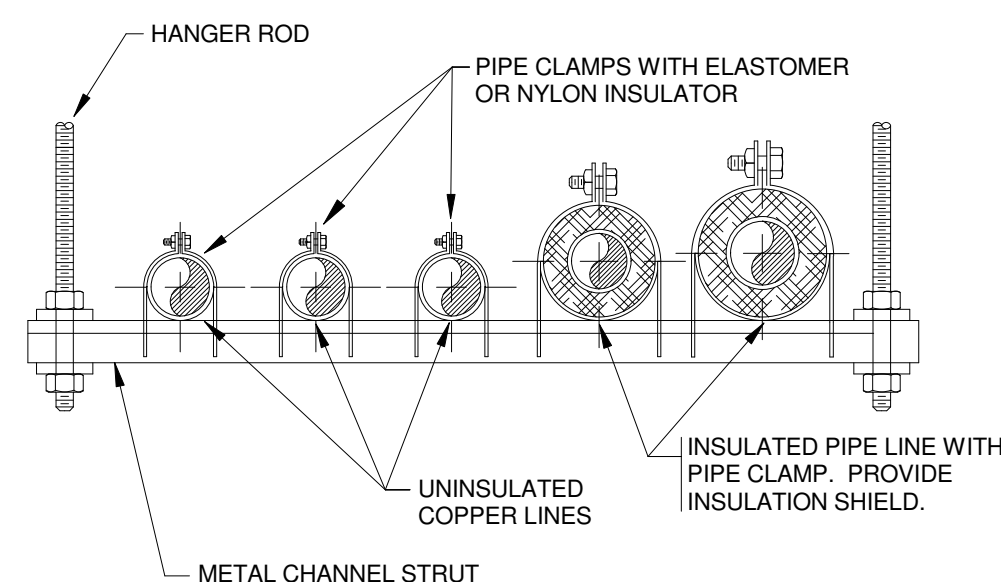
TYPICAL PLUMBING SLEEVE CONDITION DETAILS

- NOTE:
- ALL PIPING PENETRATING ALL PARTITIONS, WHETHER FIRE OR SMOKE RATED OR NOT, CONCEALED OR EXPOSED, SHALL BE SLEEVED AS DETAILED.
 - WHERE CONC. WALLS, SLABS, ETC., ARE CORE DRILLED, INSTALL SLEEVE FLUSH WITH BOTH SIDES, CAULKED & LEADED IN PLACE.
 - REFER TO DIVISION 4 & 9 FOR PROCEDURES & METHODS OF PATCHING AROUND SLEEVES AT GYPSUM, PLASTER & MASONRY. REFER TO SPECS FOR DELINEATION OF RESPONSIBILITY.
 - SLEEVES SHALL BE SIZED TO PROVIDE MIN. 1" CLEARANCE BETWEEN PIPE O.D. & SLEEVE I.D.



TYPICAL PIPE HANGER DETAIL

THIS DETAIL INDICATES HANGING OF INSULATED PIPING WHICH MAY BE EITHER WATER OR STORM DRAIN. CLEVIS HANGER DETAIL APPLIES TO ALL PLUMBING PIPING ON THIS PROJECT.



REDUCED PRESSURE BACKFLOW PREVENTOR ASSEMBLY DETAIL (R.P.B.P.)

NOTE: MOUNTING DIMENSIONS APPLY TO DOUBLE CHECK & REDUCED PRESSURE TYPE BACKFLOW PREVENTORS

- NOTES:
- LOCATE BACKFLOW PREVENTOR 3' TO 4' ABOVE FINISHED FLOOR, 1" FROM WALL AND EASILY ACCESSIBLE.
 - MATERIALS AND METHODS FOR THIS INSTALLATION SHALL CONFORM TO ALL STATE AND U.S. PUBLIC HEALTH SERVICES CODES AND REGULATIONS.
 - FILE FOR AND OBTAIN ALL REQUIRED APPROVALS AND PERMITS PRIOR TO INSTALLATION



NOT FOR CONSTRUCTION

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Boston, MA 02116
Tel: 617 437 1945

FULLER SCHOOL
31 FLAG DRIVE, FRAMINGHAM, MA

PROJECT STATUS
SCHEMATIC DESIGN
09/07/18

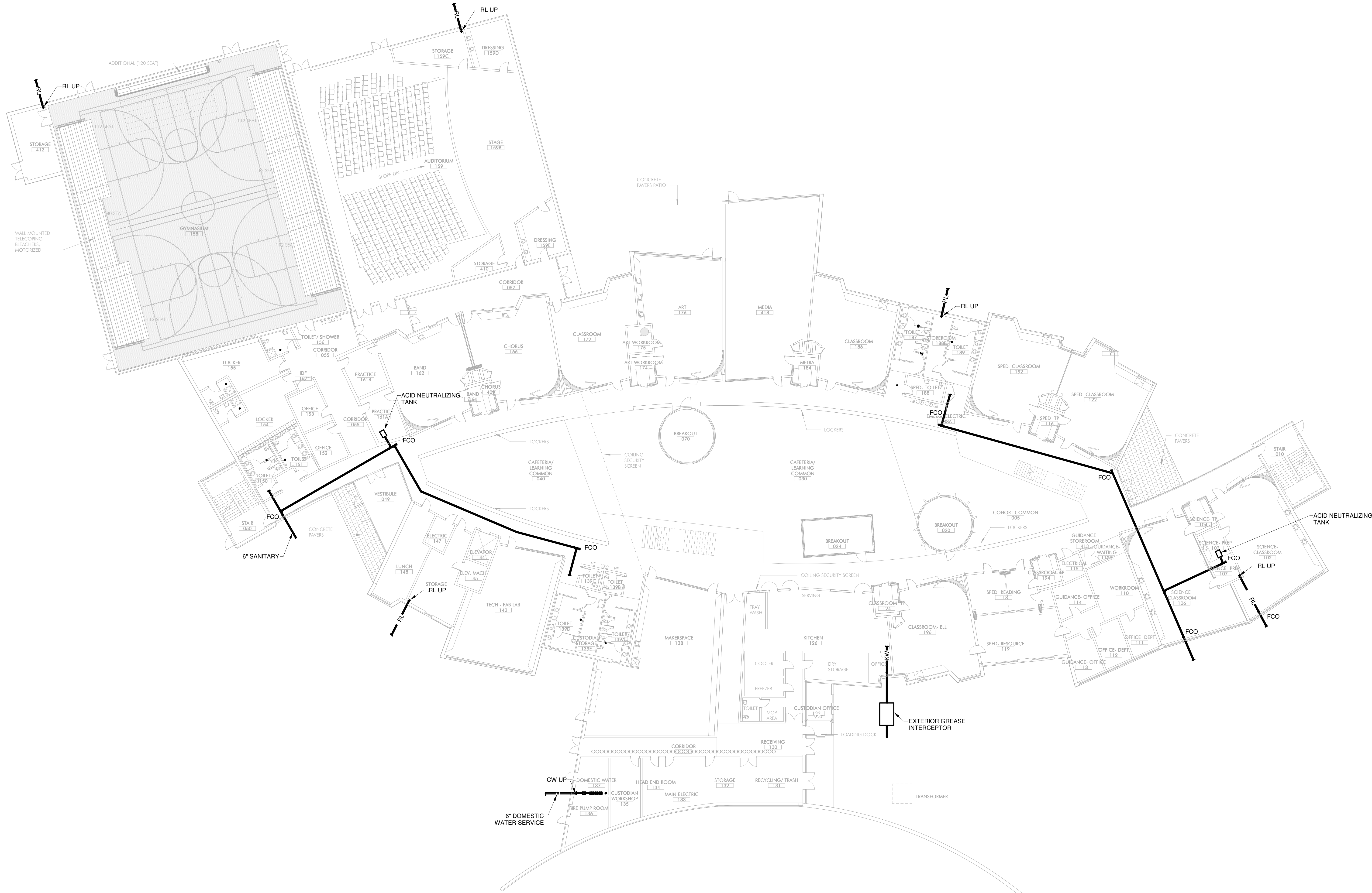
REVISIONS

No.	Date	Description

DRAWING NAME
LEGEND, NOTES, SCHEDULES, AND DETAILS

PROJECT NO. Project Number
DRAWING NO.

P001



1 FLOOR 01 BELOW SLAB
 P1.00 / 1/16" = 1'-0"

NOT FOR CONSTRUCTION

FULLER SCHOOL
 31 FLAGG DRIVE, FRAMINGHAM, MA

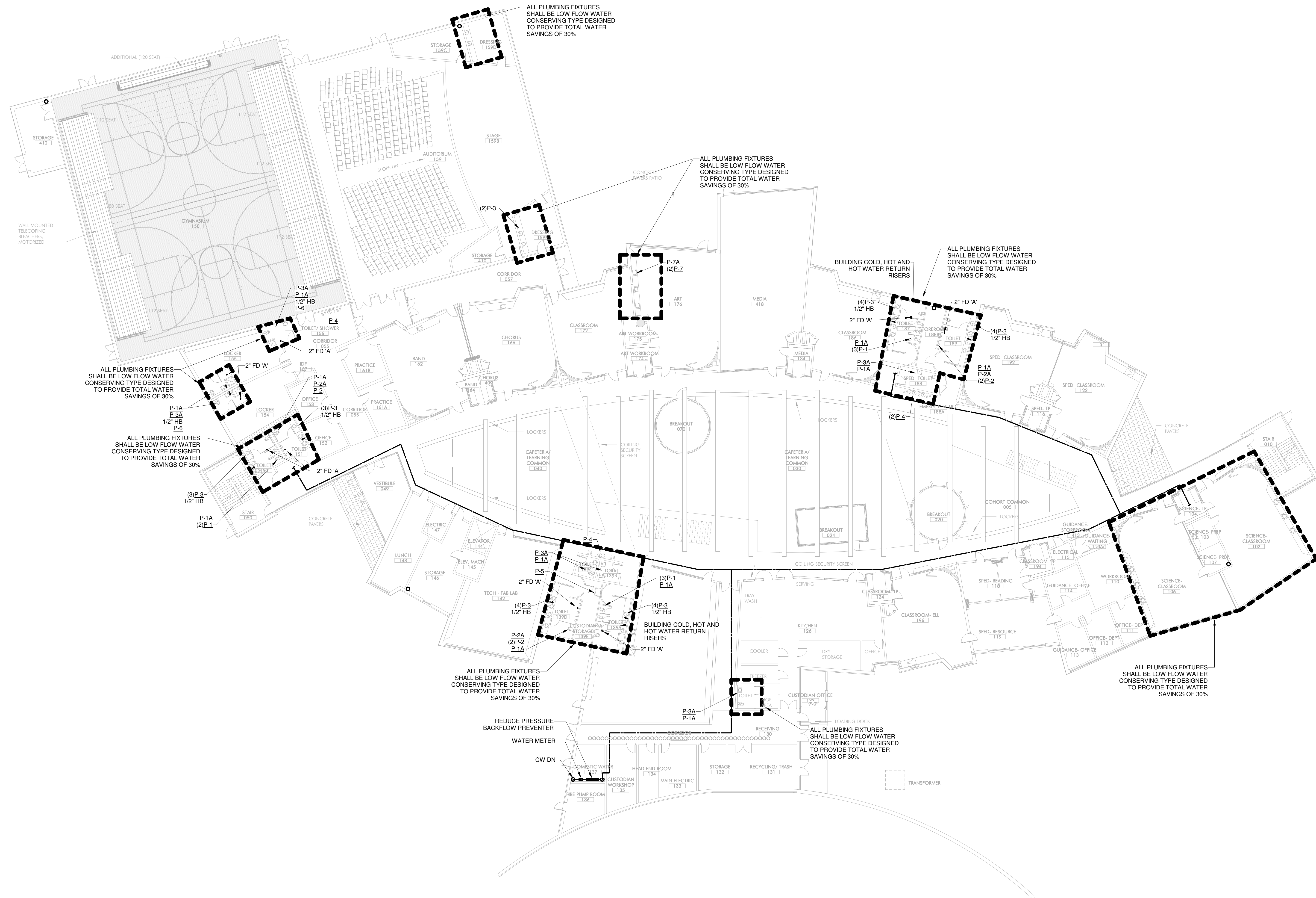
PROJECT STATUS
 SCHEMATIC DESIGN
 09/07/18

REVISIONS

No.	Date	Description

DRAWING NAME
**FIRST FLOOR
 BELOW SLAB PLAN
 - PLUMBING**

PROJECT NO. Project Number
 DRAWING NO.



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NOT FOR CONSTRUCTION



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 CONSULTING ENGINEERS ARCHITECTS
 100 N. STATE ST., SUITE 200
 BOSTON, MA 02109

FULLER SCHOOL
 31 FLAGE DRIVE, FRAMINGHAM, MA

PROJECT STATUS
 SCHEMATIC DESIGN
 09/07/18

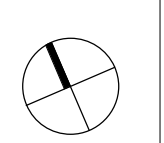
REVISIONS		
No.	Date	Description

DRAWING NAME
 FIRST FLOOR PLAN - PLUMBING

PROJECT NO. Project Number
 DRAWING NO.

P1.01

1 FLOOR 01
 P1.01 1/16" = 1'-0"

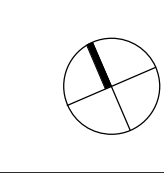


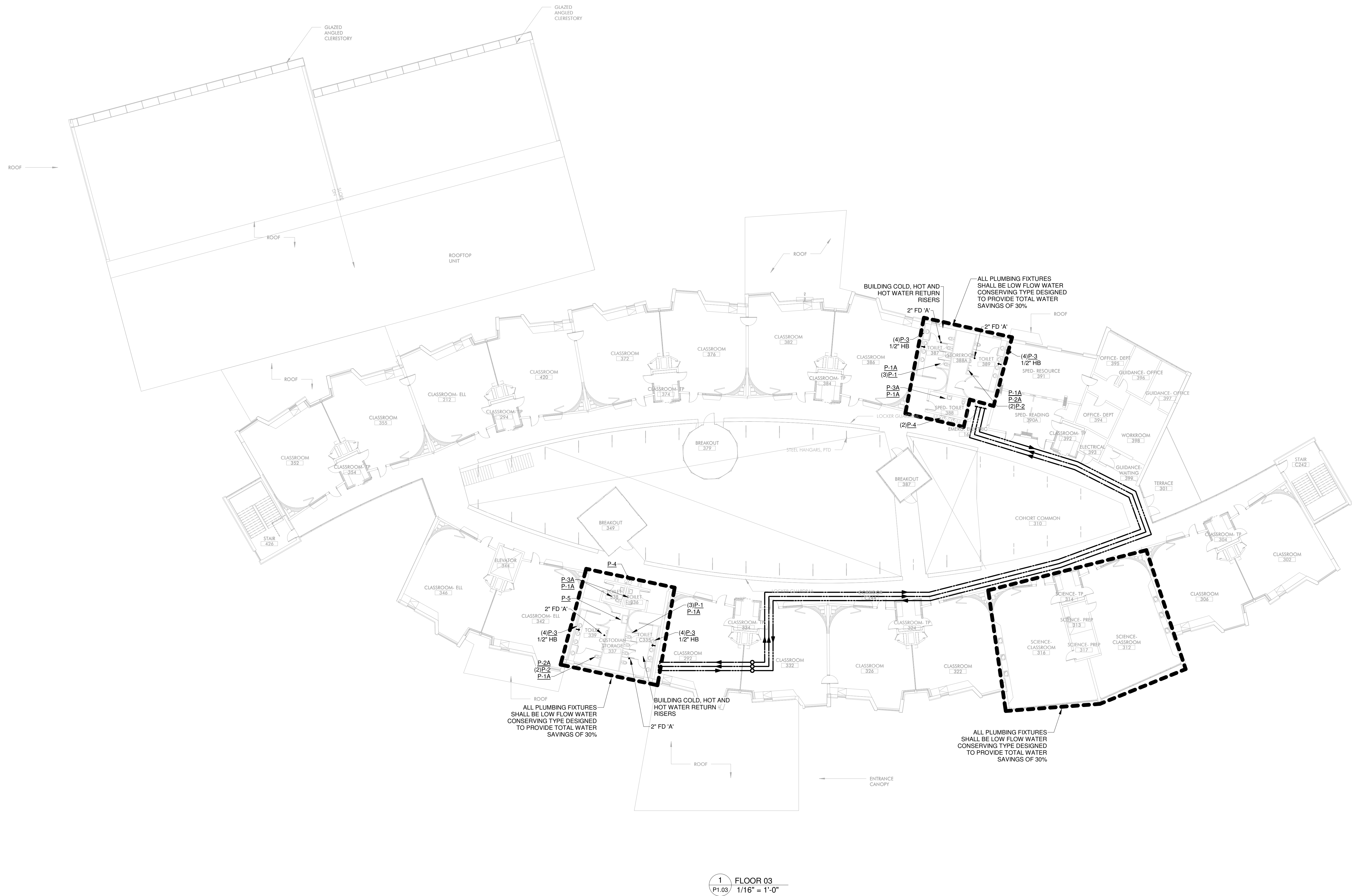


REVISIONS

No.	Date	Description

1 FLOOR 02
P1.02 1/16" = 1'-0"





1 FLOOR 03
P1.03 / 1/16" = 1'-0"



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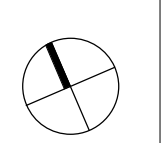
PROJECT STATUS
SCHEMATIC DESIGN
09/07/18

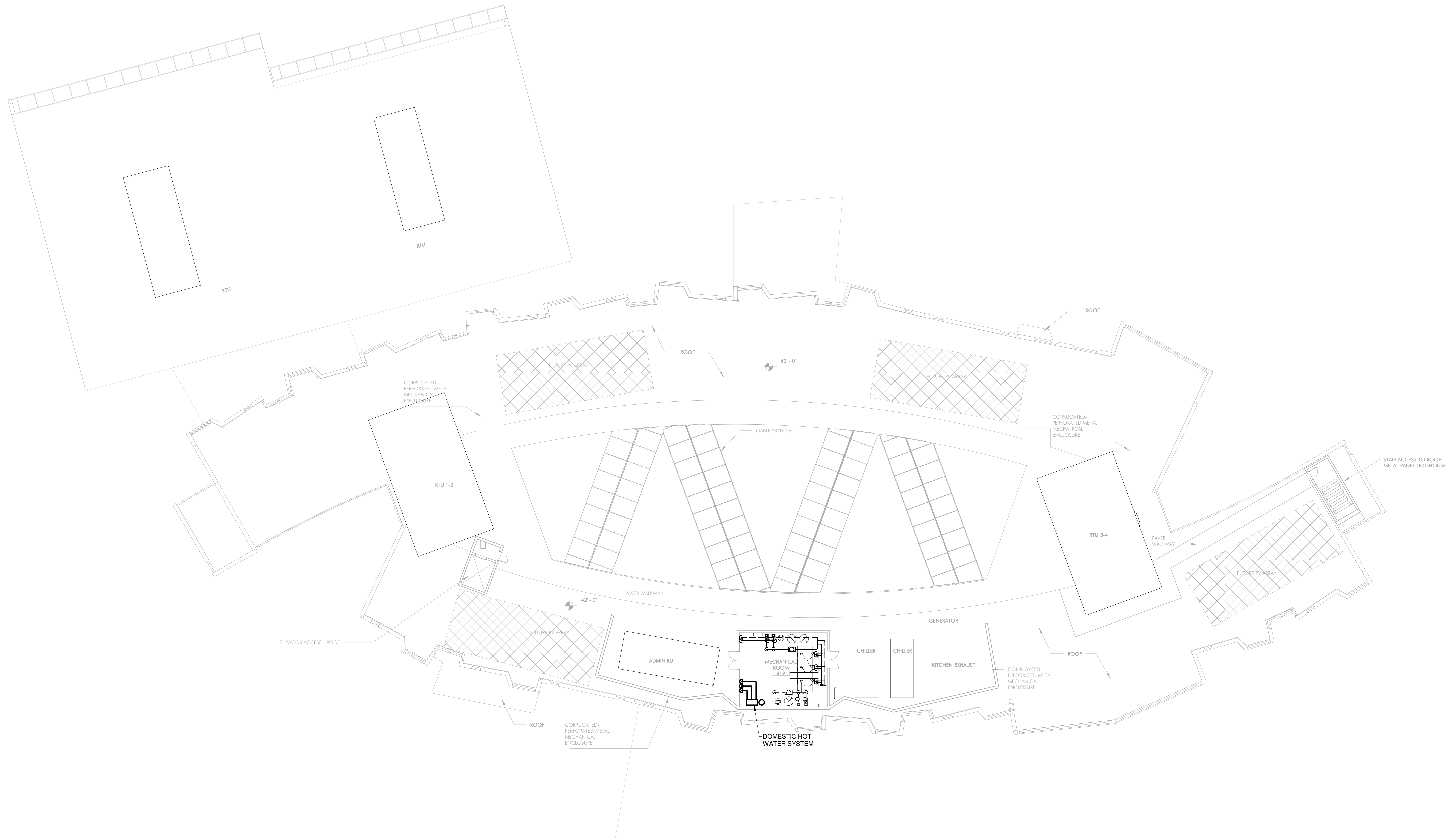
REVISIONS		
No.	Date	Description

DRAWING NAME
THIRD FLOOR PLAN - PLUMBING

PROJECT NO. Project Number
DRAWING NO.

P1.03





1 ROOF PLAN
P1.04 1/16" = 1'-0"

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PROJECT STATUS
SCHEMATIC DESIGN
09/07/18

REVISIONS

No.	Date	Description

DRAWING NAME
ROOF PLAN - PLUMBING

PROJECT NO. Project Number

DRAWING NO.

P1.04



THIS AREA PROVIDED WITH FULL A/C DISPLACEMENT VENTILATION FROM RTU-3. EACH SPACE SHALL BE PROVIDED WITH WALL-MOUNTED DISPLACEMENT DIFFUSERS, VAV BOX WITH CO2 SENSOR, & PERIMETER RADIANT HEATING.

THIS AREA PROVIDED WITH FULL A/C DISPLACEMENT VENTILATION FROM RTU-4. EACH SPACE SHALL BE PROVIDED WITH WALL-MOUNTED DISPLACEMENT DIFFUSERS, VAV BOX WITH CO2 SENSOR, & PERIMETER RADIANT HEATING.

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

1 HVAC DUCTWORK PLAN FIRST FLOOR PART A
1/8" = 1'-0"

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PROJECT STATUS
Issue Date
05/07/18

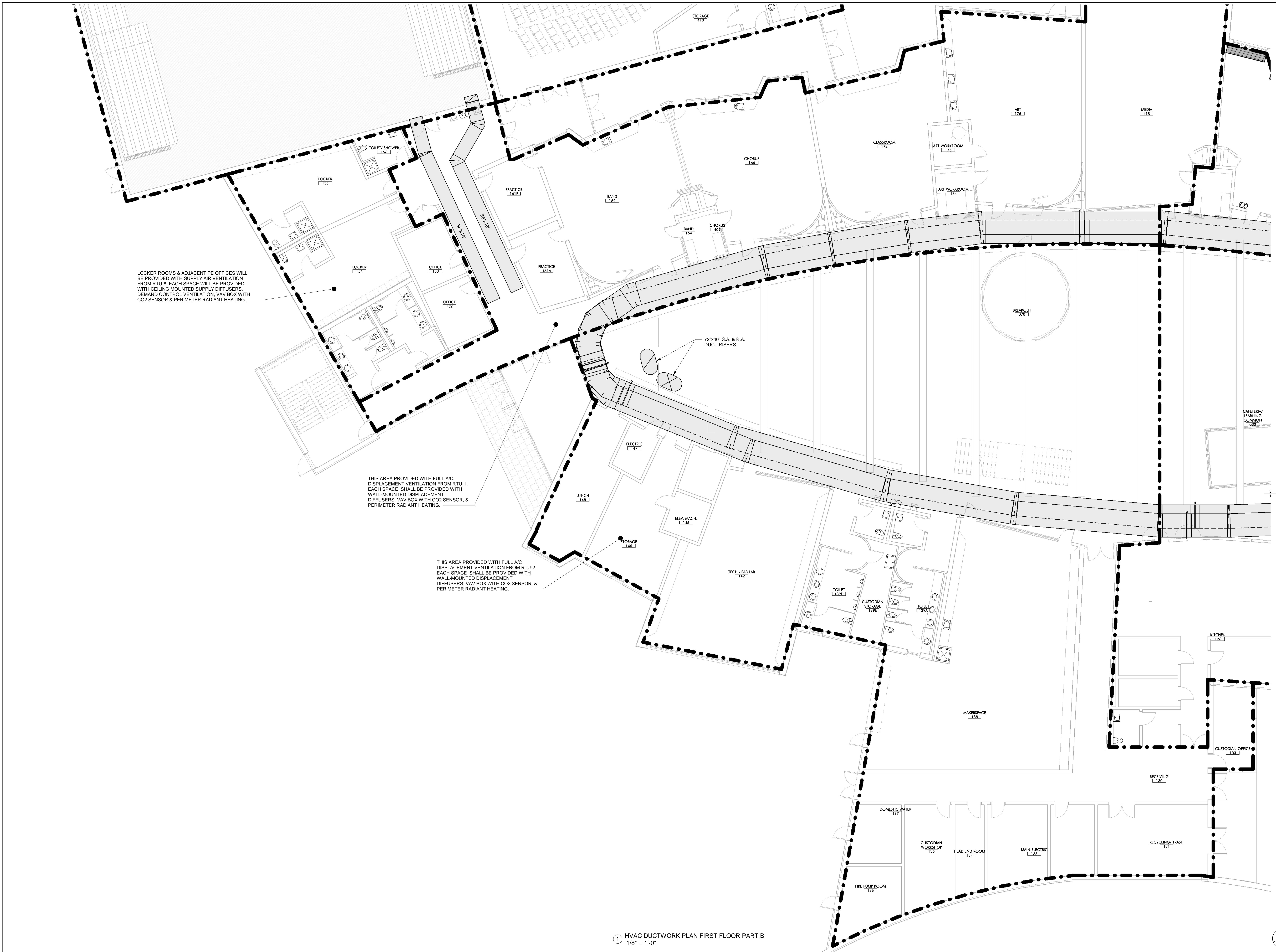
REVISIONS

No.	Date	Description

DRAWING NAME
DUCTWORK PLAN
FLOOR 1-A - HVAC

PROJECT NO. Project Number
DRAWING NO.

M101A



1 HVAC DUCTWORK PLAN FIRST FLOOR PART B
1/8" = 1'-0"

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FULLER SCHOOL
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PROJECT STATUS
Issue Date: 05/07/18

REVISIONS

No.	Date	Description

DRAWING NAME
DUCTWORK PLAN FLOOR 1-B - HVAC

PROJECT NO. Project Number
DRAWING NO.

M101B



THE GYMNASIUM SHALL BE PROVIDED WITH FULL A/C DISPLACEMENT VENTILATION FROM RTU-6 BY DISPLACEMENT DIFFUSERS LOW ON WALLS & A HIGH RETURN DUCT SYSTEM.

THE AUDITORIUM, STAGE, AND ADJACENT DRESSING ROOMS SHALL BE PROVIDED WITH FULL A/C DISPLACEMENT VENTILATION SERVED BY RTU-7. SUPPLY AIR TO THE AUDITORIUM SHALL BE PROVIDED THROUGH DISPLACEMENT DIFFUSERS UNDER THE SEATING AND EXHAUSTED THROUGH A HIGH RETURN DUCT SYSTEM. THE STAGE AND DRESSING ROOMS SHALL BE PROVIDED WITH WALL MOUNTED DISPLACEMENT DIFFUSERS.

LOCKER ROOMS & ADJACENT PE OFFICES WILL BE PROVIDED WITH SUPPLY AIR VENTILATION FROM RTU-8. EACH SPACE WILL BE PROVIDED WITH CEILING MOUNTED SUPPLY DIFFUSERS DEMAND CONTROL VENTILATION, VAV BOX WITH CO2 SENSOR & PERIMETER RADIANT HEATING.

1 HVAC DUCTWORK PLAN FIRST FLOOR PART C
1/8" = 1'-0"



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FULLER SCHOOL
3 FLAGG DRIVE FRAMINGHAM, MA

PROJECT STATUS

Issue Date	05/07/18
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REVISIONS

No.	Date	Description

DRAWING NAME
DUCTWORK PLAN
FLOOR 1-C - HVAC

PROJECT NO. Project Number

DRAWING NO.

M101C



THIS AREA PROVIDED WITH FULL A/C DISPLACEMENT VENTILATION FROM RTU-3. EACH SPACE SHALL BE PROVIDED WITH WALL-MOUNTED DISPLACEMENT DIFFUSERS, VAV BOX WITH CO2 SENSOR, & PERIMETER RADIANT HEATING.

THIS AREA PROVIDED WITH FULL A/C DISPLACEMENT VENTILATION FROM RTU-4. EACH SPACE SHALL BE PROVIDED WITH WALL-MOUNTED DISPLACEMENT DIFFUSERS, VAV BOX WITH CO2 SENSOR, & PERIMETER RADIANT HEATING.

1 HVAC DUCTWORK PLAN SECOND FLOOR PART A
1/8" = 1'-0"

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PROJECT STATUS
Issue Date
07/07/18

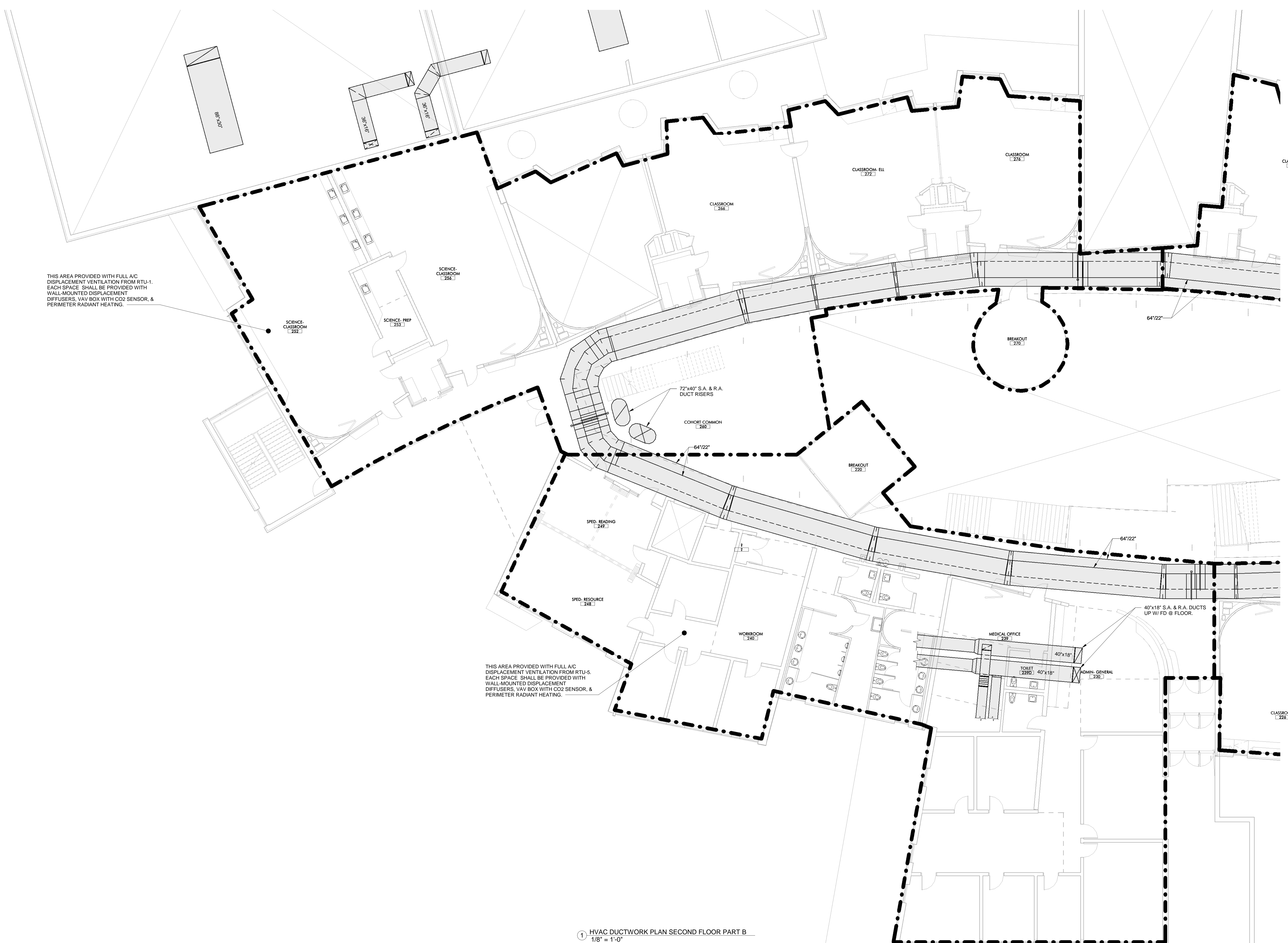
REVISIONS

No.	Date	Description

DRAWING NAME
DUCTWORK PLAN
FLOOR 2-A - HVAC

PROJECT NO. Project Number
DRAWING NO.

M102A



THIS AREA PROVIDED WITH FULL A/C DISPLACEMENT VENTILATION FROM RTU-1. EACH SPACE SHALL BE PROVIDED WITH WALL MOUNTED DISPLACEMENT DIFFUSERS, VAV BOX WITH CO2 SENSOR, & PERIMETER RADIANT HEATING.

THIS AREA PROVIDED WITH FULL A/C DISPLACEMENT VENTILATION FROM RTU-5. EACH SPACE SHALL BE PROVIDED WITH WALL MOUNTED DISPLACEMENT DIFFUSERS, VAV BOX WITH CO2 SENSOR, & PERIMETER RADIANT HEATING.

1 HVAC DUCTWORK PLAN SECOND FLOOR PART B
1/8" = 1'-0"

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PROJECT STATUS
Issue Date
05/07/18

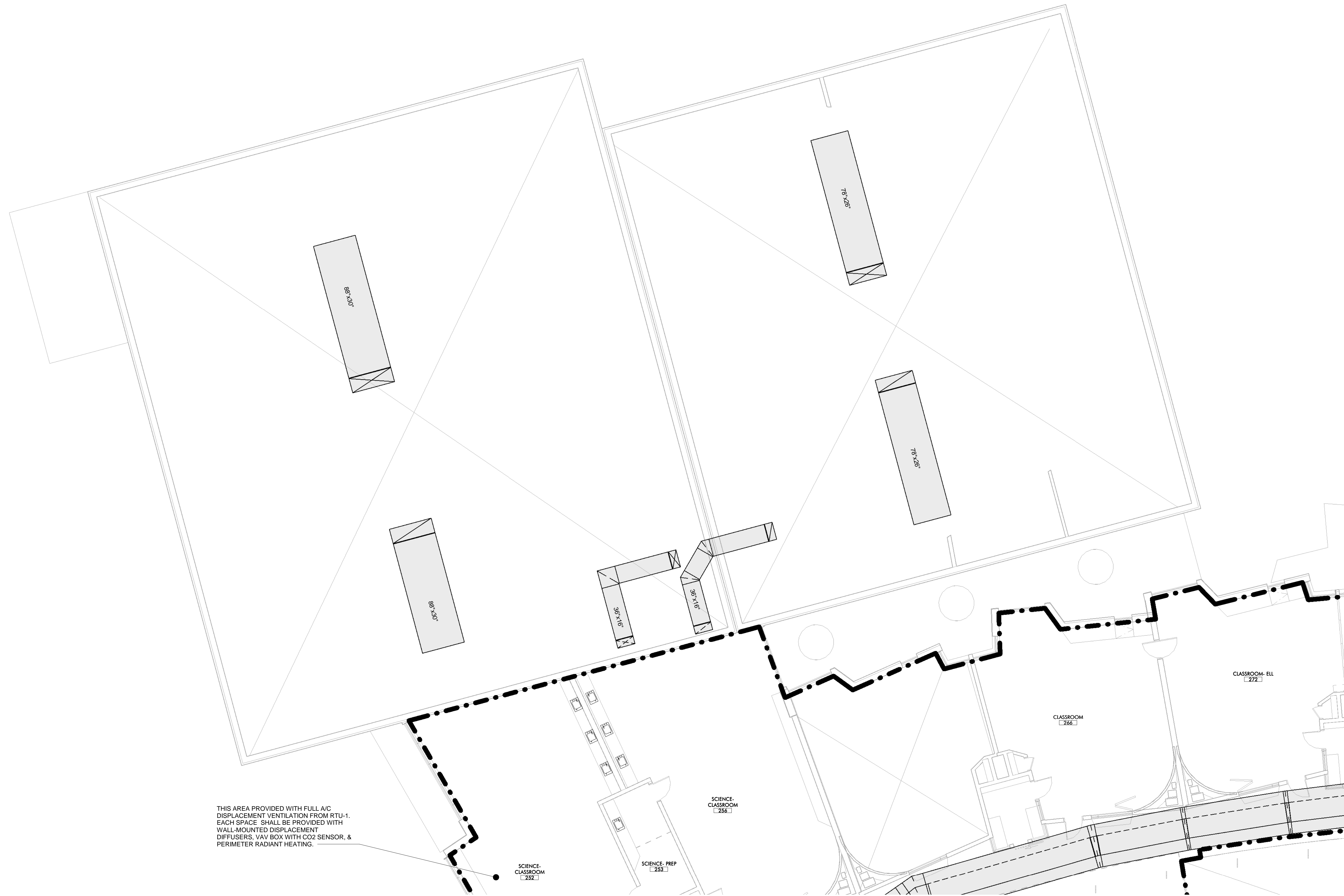
REVISIONS

No.	Date	Description

DRAWING NAME
DUCTWORK PLAN
FLOOR 2-B - HVAC

PROJECT NO. Project Number
DRAWING NO.

M102B



THIS AREA PROVIDED WITH FULL A/C
DISPLACEMENT VENTILATION FROM RTU-1.
EACH SPACE SHALL BE PROVIDED WITH
WALL-MOUNTED DISPLACEMENT
DIFFUSERS, VAV BOX WITH CO2 SENSOR, &
PERIMETER RADIANT HEATING.

1 HVAC DUCTWORK PLAN SECOND FLOOR PART C
1/8" = 1'-0"



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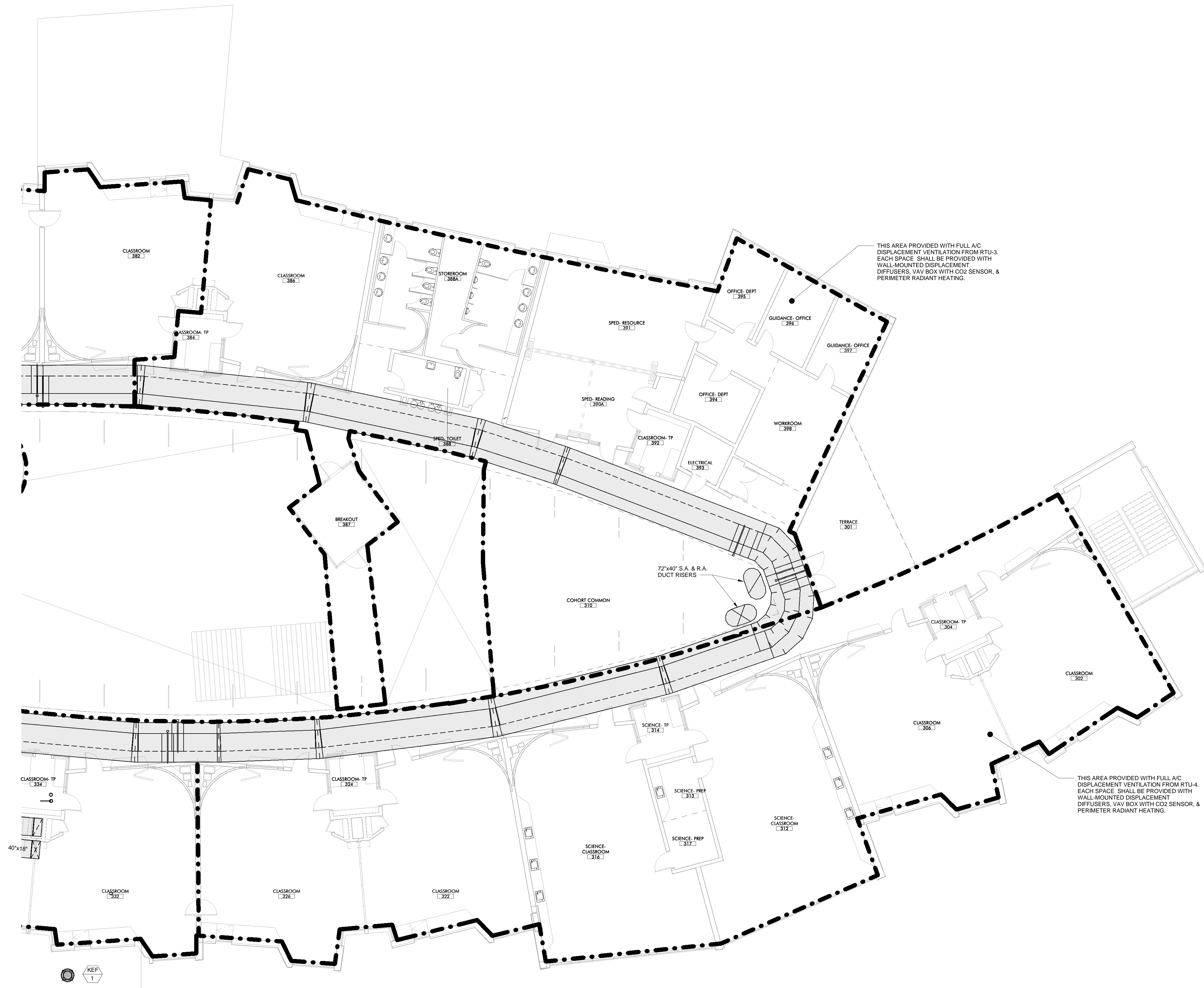
REVISIONS

No.	Date	Description

DRAWING NAME
DUCTWORK PLAN
FLOOR 2-C - HVAC

PROJECT NO. Project Number
DRAWING NO.

M102C



1 HVAC DUCTWORK PLAN THIRD FLOOR PART A
1/8" = 1'-0"



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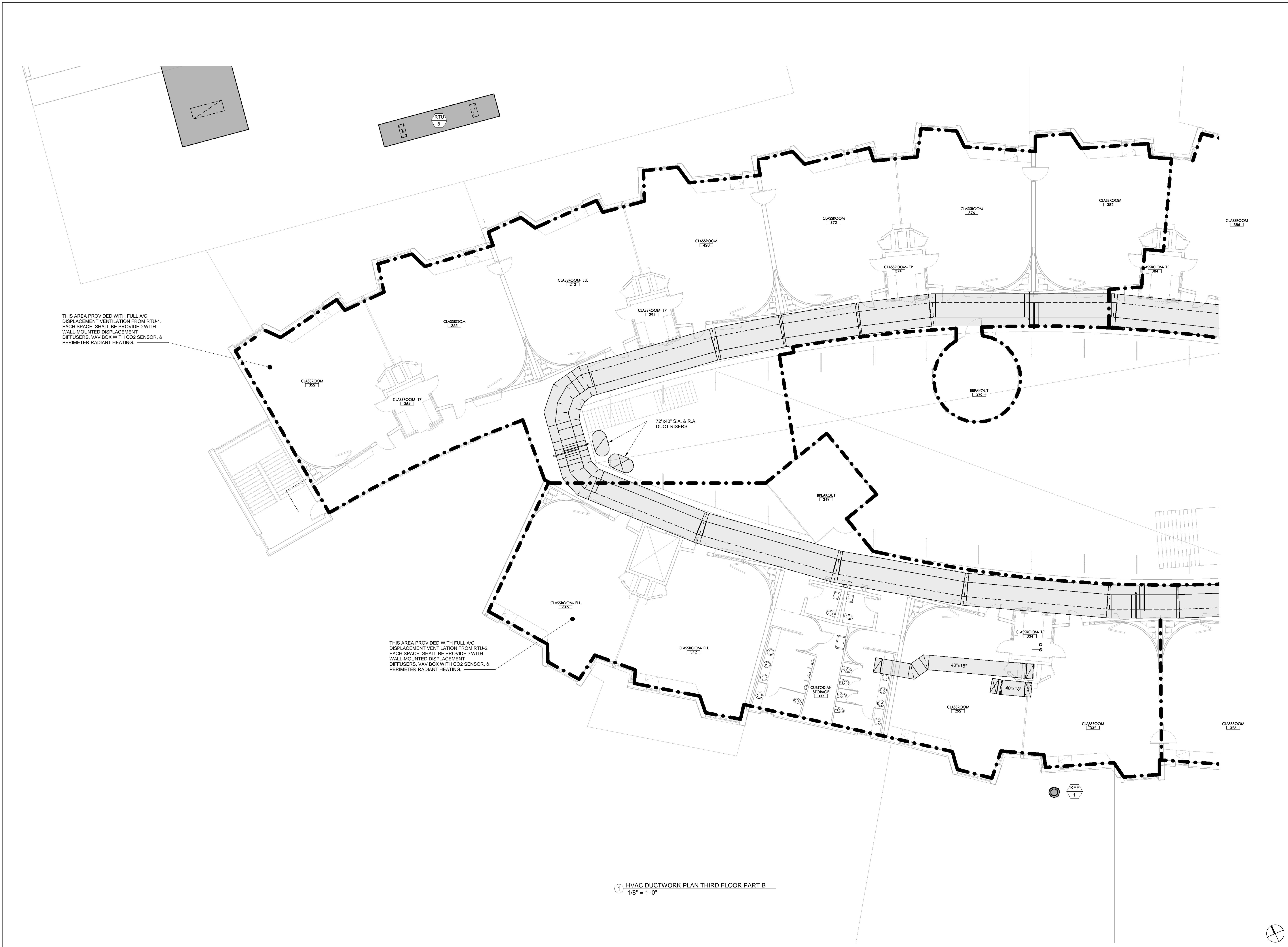
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No.	Date	Description

DRAWING NAME
DUCTWORK PLAN
FLOOR 3-A - HVAC

PROJECT NO. Project Number
DRAWING NO.

M103A



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 Issue Date: 05/07/18

REVISIONS

No.	Date	Description

DRAWING NAME
 DUCTWORK PLAN
 FLOOR 3-B - HVAC

PROJECT NO. Project Number
 DRAWING NO.

M103B

① HVAC DUCTWORK PLAN THIRD FLOOR PART B
 1/8" = 1'-0"



THIS AREA PROVIDED WITH FULL A/C DISPLACEMENT VENTILATION FROM RTU-1. EACH SPACE SHALL BE PROVIDED WITH WALL-MOUNTED DISPLACEMENT DIFFUSERS, VAV BOX WITH CO2 SENSOR, & PERIMETER RADIANT HEATING.

1 HVAC DUCTWORK PLAN THIRD FLOOR PART C
1/8" = 1'-0"

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PROJECT STATUS
Issue Date
05/07/18

REVISIONS

No.	Date	Description

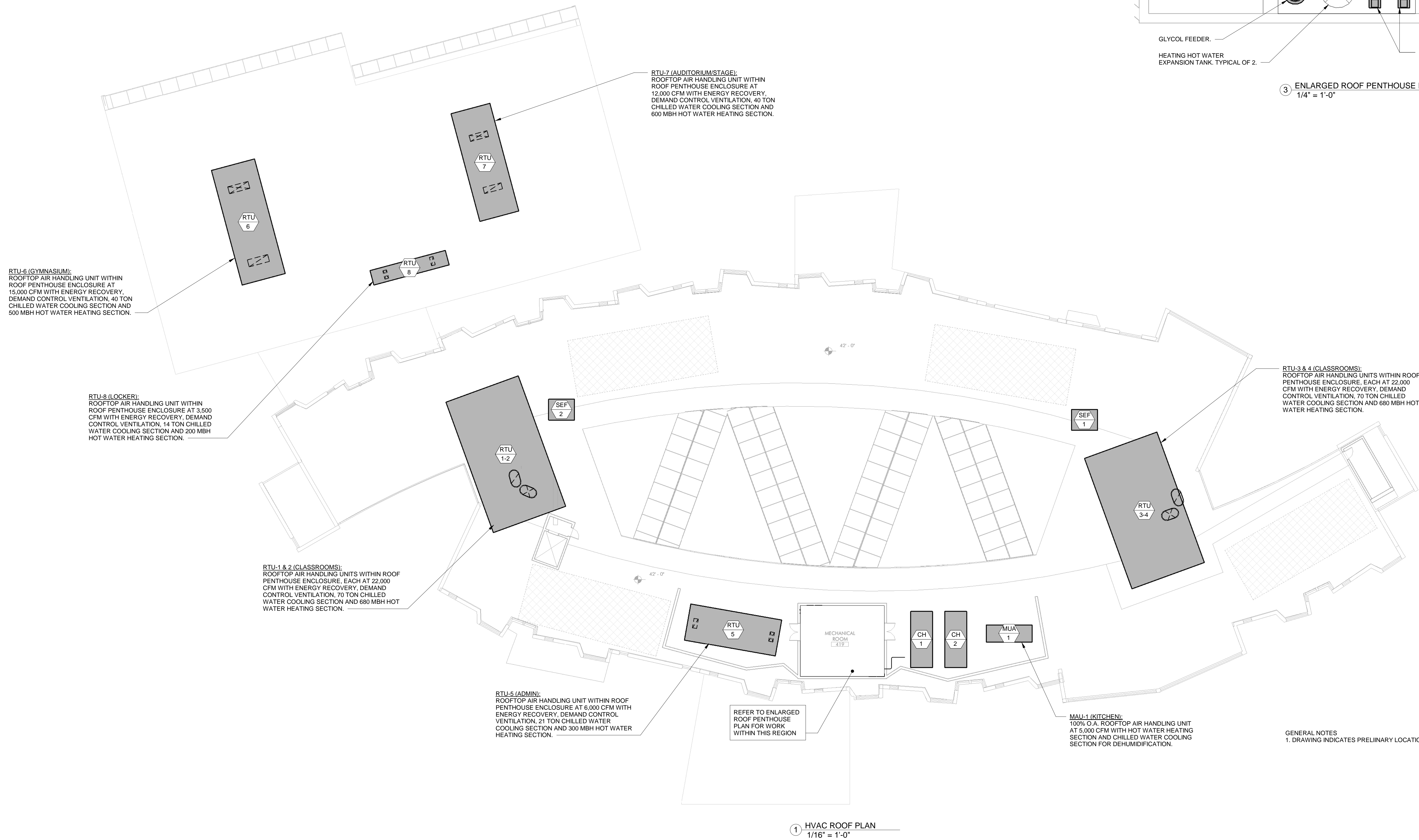
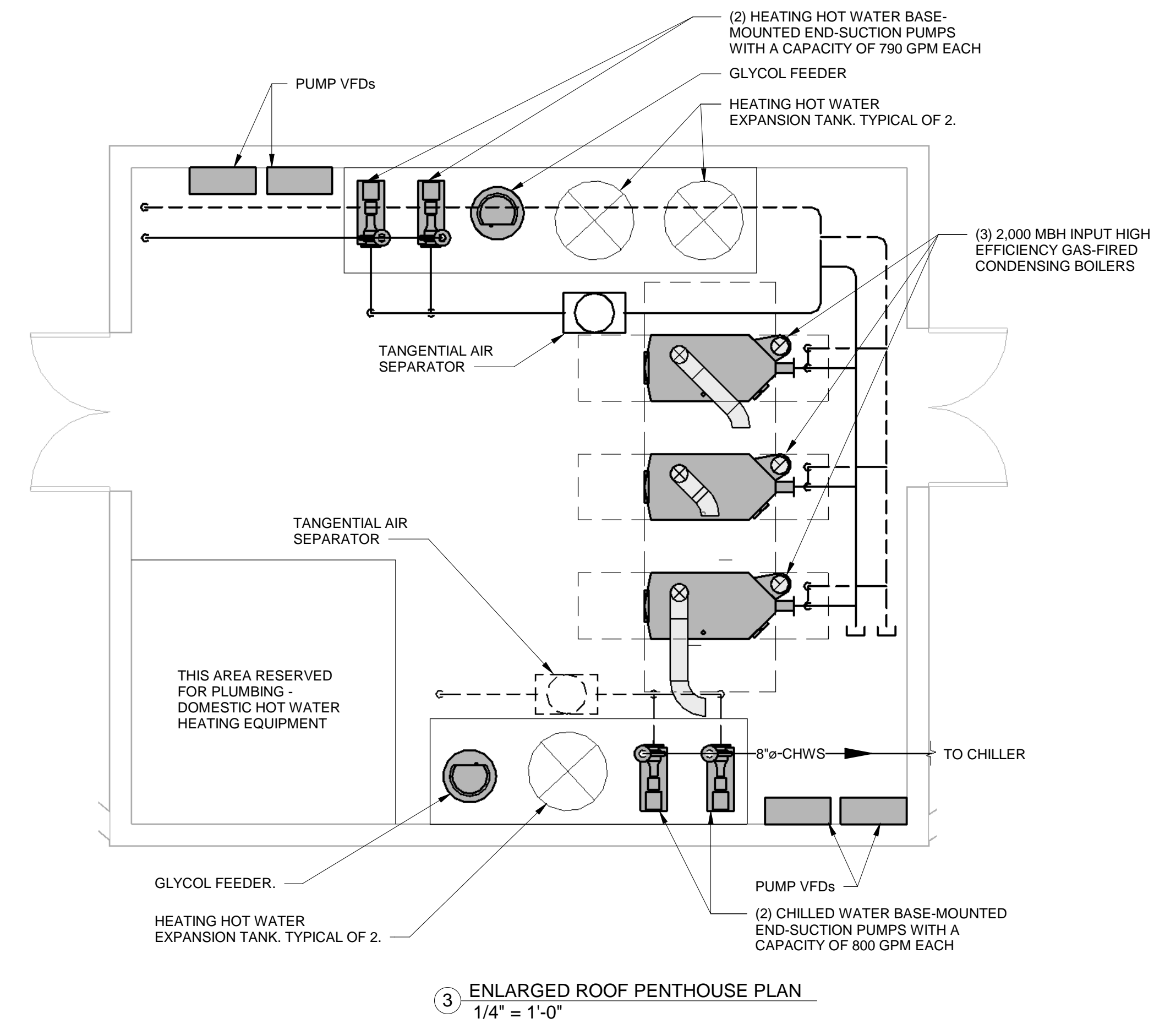
DRAWING NAME
DUCTWORK PLAN
FLOOR 3-C - HVAC

PROJECT NO. Project Number
DRAWING NO.

M103C

PRELIMINARY

UNIT NUMBER	SERVICE	AIRFLOW	SIZE	NOTES
RTU-1	CLASSROOMS, LEARNING COMMONS, CIRC. ADMIN	22,000 CFM	48.5' L x 26.9' W x 10' H	INCLUDES SOUND ATTENUATORS, ROOF CURB AND SERVICE VESTIBULE SHARED BETWEEN RTU-1 & 2
RTU-2	CLASSROOMS, LEARNING COMMONS, CIRC. ADMIN	22,000 CFM	48.5' L x 26.9' W x 10' H	
RTU-3	CLASSROOMS, LEARNING COMMONS, CIRC. ADMIN	22,000 CFM	48.5' L x 26.9' W x 10' H	INCLUDES SOUND ATTENUATORS, ROOF CURB AND SERVICE VESTIBULE SHARED BETWEEN RTU-3 & 4
RTU-4	CLASSROOMS, LEARNING COMMONS, CIRC. ADMIN	22,000 CFM	48.5' L x 26.9' W x 10' H	
RTU-5	ADMINISTRATION	6,000 CFM	32.3' L x 12.8' W x 6.8' H	INCLUDES SERVICE VESTIBULE, SOUND ATTENUATORS AND ROOF CURB
RTU-6	AUDITORIUM	12,000 CFM	41.5' L x 15.6' W x 9' H	INCLUDES SERVICE VESTIBULE, SOUND ATTENUATORS AND ROOF CURB
RTU-7	GYMNASIUM	15,000 CFM	39' L x 14.1' W x 8.5' H	INCLUDES SERVICE VESTIBULE, SOUND ATTENUATORS AND ROOF CURB
RTU-8	LOCKERS & PE OFFICES	3,500 CFM	27.3' L x 5.3' W x 6.8' H	INCLUDES ROOF CURB. DOES NOT INCLUDE SERVICE VESTIBULE OR SOUND ATTENUATORS.
MUA-1	KITCHEN	5,000 CFM	16' L x 6' W x 8.5' H	INCLUDES ROOF CURB. DOES NOT INCLUDE SERVICE VESTIBULE OR SOUND ATTENUATORS.
MECH ROOM	BUILDING	-	34' L x 20' W	-
AIR COOLED CHILLERS 2 @ 175 TONS	BUILDING	-	20' L x 8' W x 12' H	INCLUDES 3'-0" HIGH STEEL DUNNAGE



GENERAL NOTES
1. DRAWING INDICATES PRELIMINARY LOCATIONS AND DIMENSIONS ISSUED FOR COORDINATION PURPOSES ONLY



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3 FLAGG DRIVE IRVINGHAM, MA

PROJECT STATUS
Issue Date
05/07/18

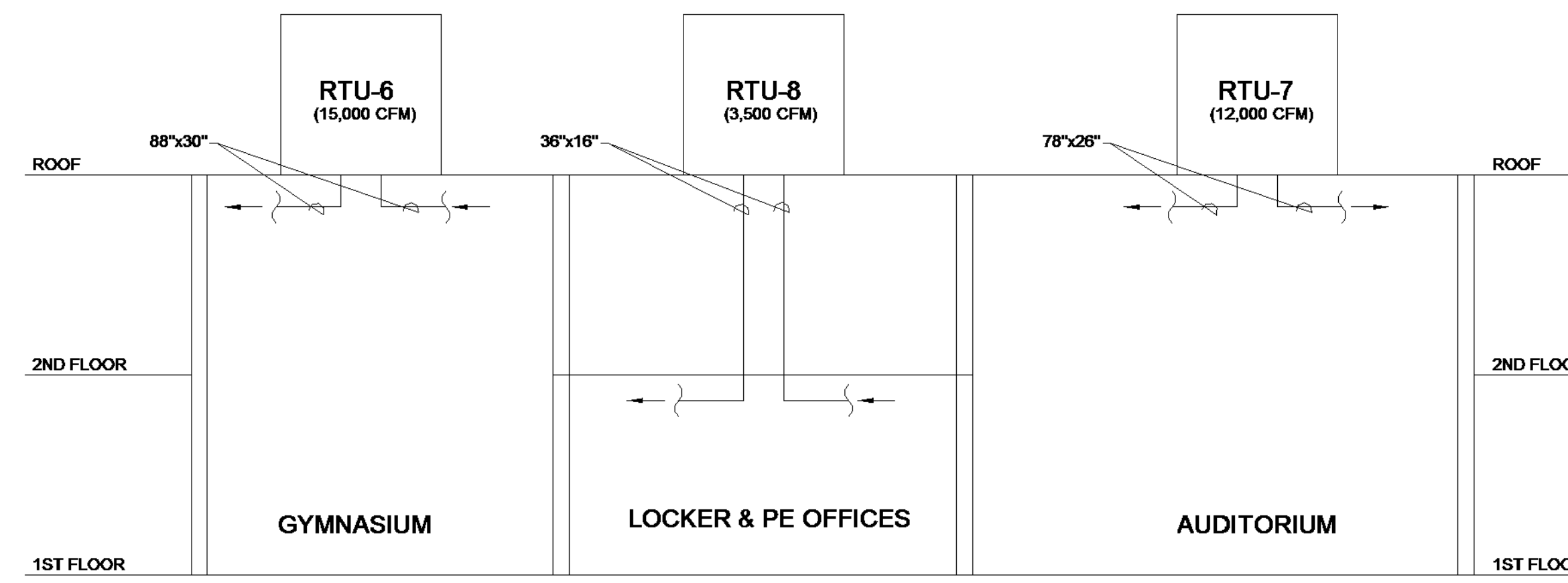
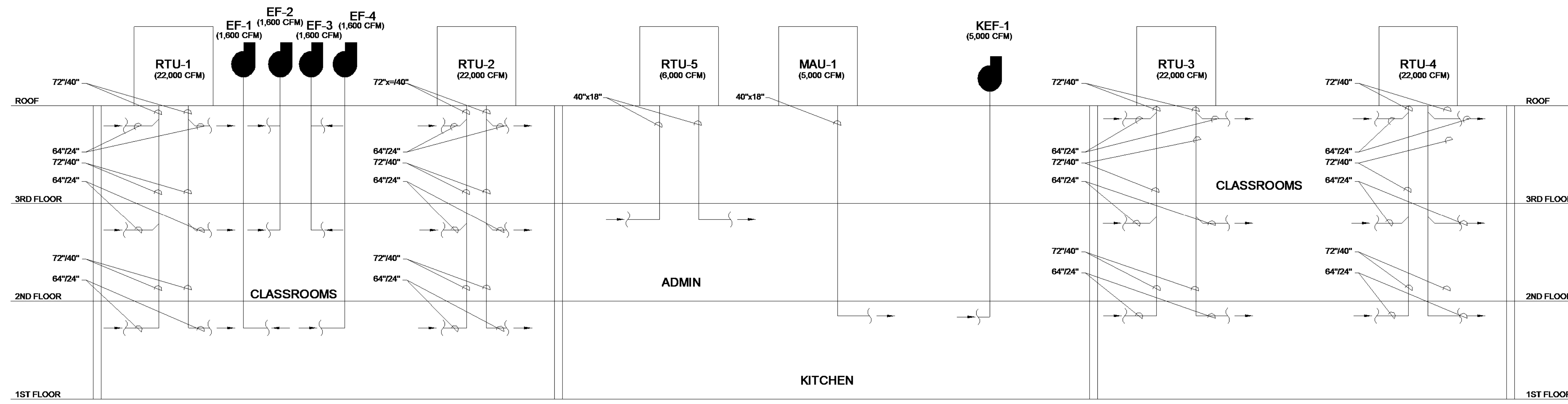
REVISIONS		
No.	Date	Description

DRAWING NAME
ROOF PLAN - HVAC

PROJECT NO. Project Number

DRAWING NO.

M104



AIRFLOW DIAGRAMS



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Issue Date
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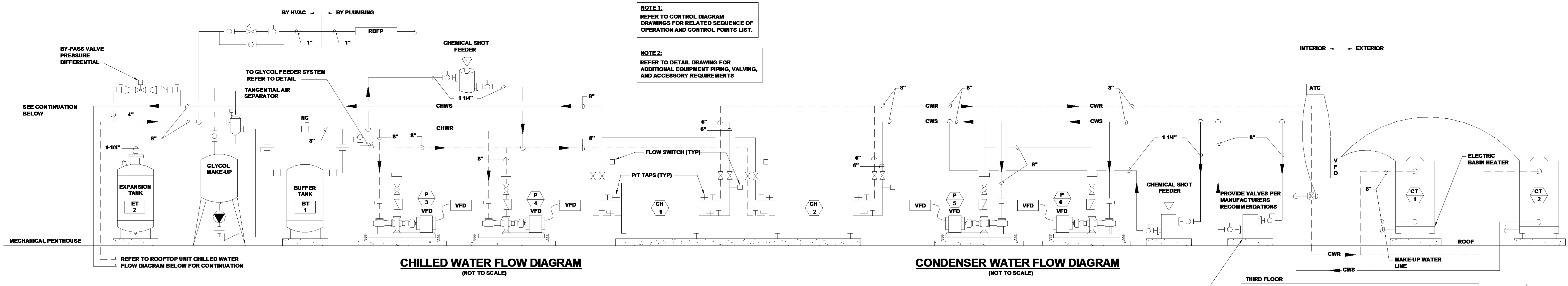
No.	Date	Description

DRAWING NAME
AHU AIRFLOW DIAGRAM

PROJECT NO. Project Number

DRAWING NO.

M201



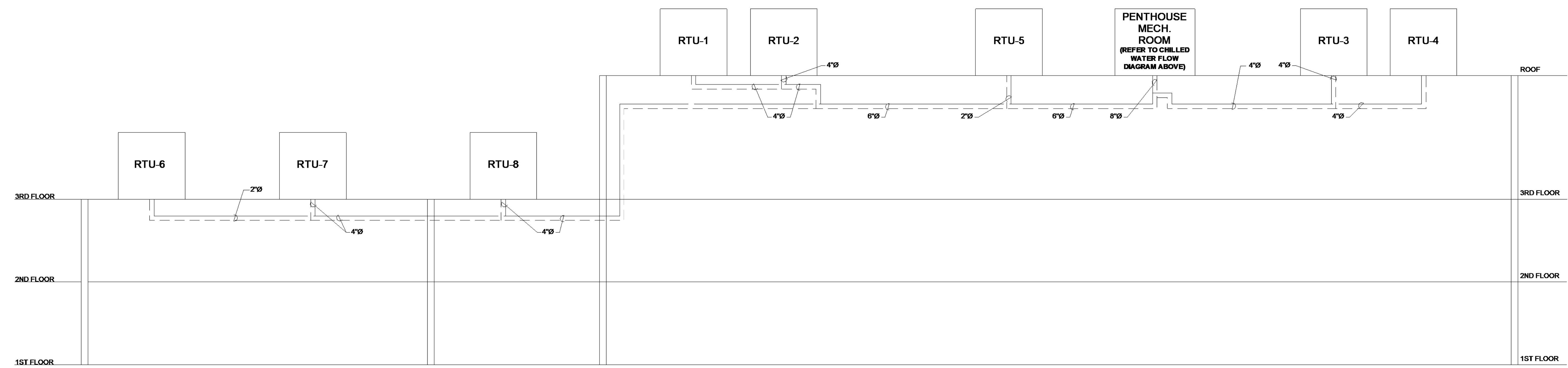
CHILLED WATER FLOW DIAGRAM
(NOT TO SCALE)

CONDENSER WATER FLOW DIAGRAM
(NOT TO SCALE)

NOTE 1:
REFER TO CONTROL DIAGRAM DRAWINGS FOR RELATED SEQUENCE OF OPERATION AND CONTROL POINTS LIST.

NOTE 2:
REFER TO DETAIL DRAWING FOR ADDITIONAL EQUIPMENT PIPING, VALVING, AND ACCESSORY REQUIREMENTS

THIRD FLOOR



ROOFTOP UNIT CHILLED WATER FLOW DIAGRAM

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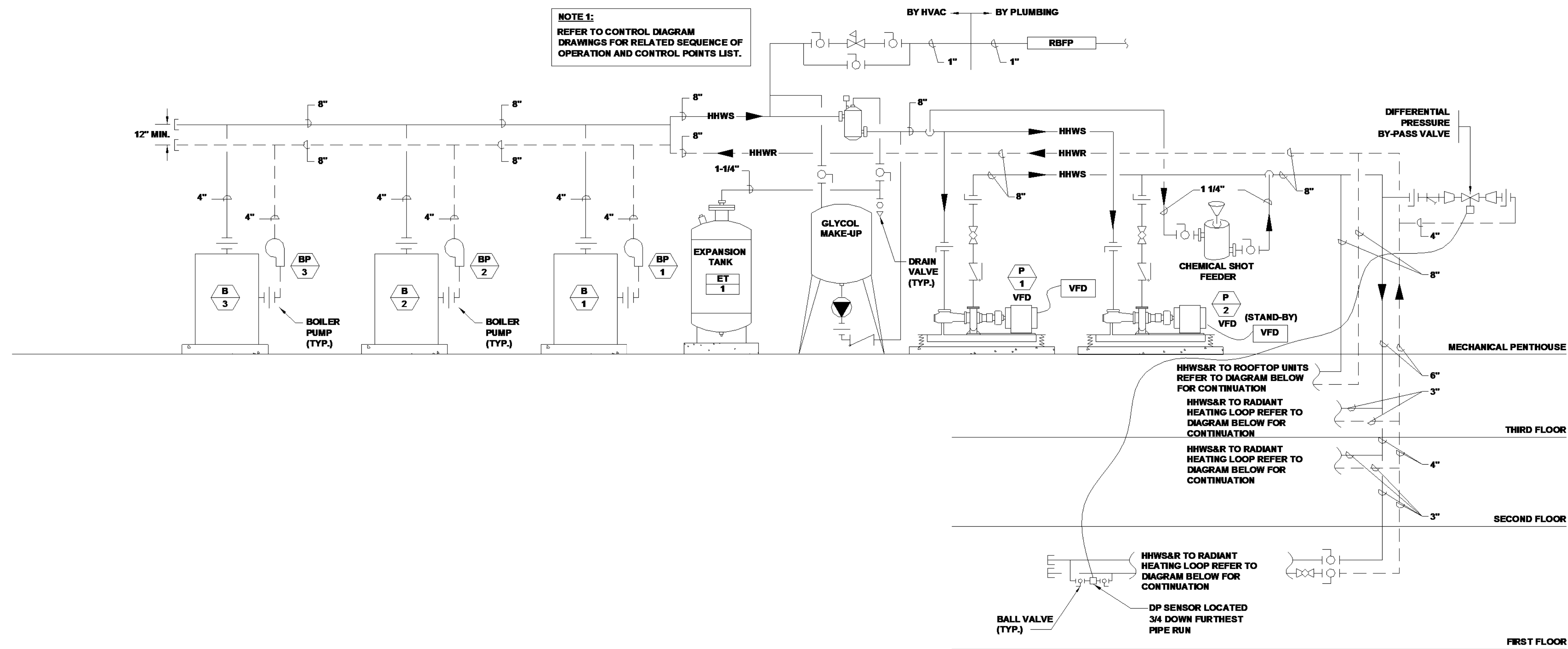
REVISIONS

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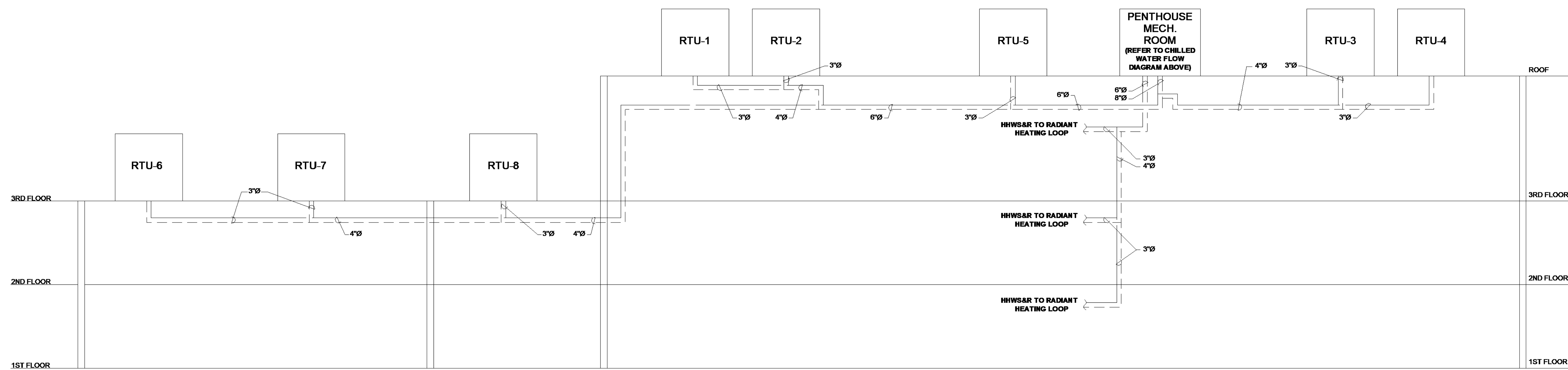
DRAWING NAME
CHW FLOW DIAGRAM

PROJECT NO. Project Number
DRAWING NO.

M202



HOT WATER FLOW DIAGRAM
(NOT TO SCALE)



ROOFTOP UNIT & RADIANT HEATING HOT WATER FLOW DIAGRAM



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PROJECT STATUS
Issue Date: 07/07/18

REVISIONS

No.	Date	Description

DRAWING NAME
HW FLOW DIAGRAM

PROJECT NO. Project Number
DRAWING NO.

M203