RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

AWARDING AUTHORITY

TOWN OF AMHERST
4 BOLTWOOD AVENUE
AMHERST, MA 01002

TOWN MANAGER

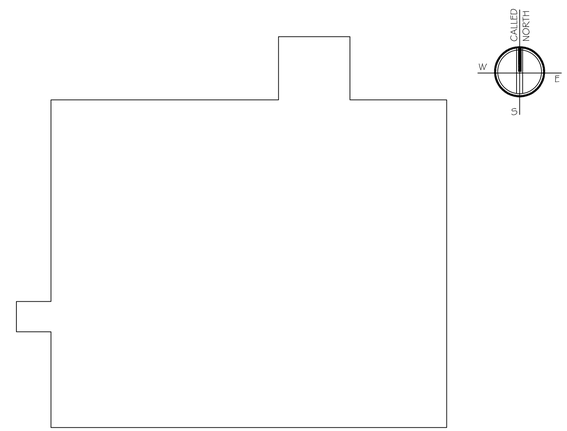
JOHN MUSANTE, CHIEF PROCUREMENT OFFICER

DIRECTOR OF FACILITIES AND MAINTENANCE

RONALD J. BOHONOWICZ

DATE: 07.17.15

PROJECT NO. 15-06-01



KEY PLAN

ARCHITECT

ROY S. BROWN ARCHITECTS
85 CHILSON ROAD
WILBRAHAM, MA 01095
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MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION

ROBERT W. HALL CONSULTING ENGINEERS INC.
540 MEADOW STREET EXTENSION
AGAWAM, MA 01001
PH 413.789.0960
FAX 413.789.3295

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APPLICABLE CODES

INTERNATIONAL BUILDING CODE (2009)

INTERNATIONAL EXISTING BUILDING CODE (2009)

INTERNATIONAL ENERGY CONSERVATION CODE (2009)

MASSACHUSETTS STATE BUILDING CODE 780 CMR 8TH EDITION SUPPLEMENTAL INFORMATION AND AMENDMENTS (2010)

ARCHITECTURAL ACCESS BOARD 521 CMR (2006)

NFPA 101 LIFE SAFETY CODE (2006)

MASSACHUSETTS PLUMBING CODE 248 CMR (2006)

MASSACHUSETTS FIRE PREVENTION REGULATIONS 527 CMR (2007)

NFPA 13 FIRE SPRINKLERS (2007)

NFPA 72 NATIONAL FIRE ALARM CODE (2007)

OSHA (CURRENT)

NFPA 10 FIRE EXTINGUISHERS (2002)

INTERNATIONAL ENERGY CONSERVATION CODE (2009)

CALCULATED FOR VESTIBULE ADDITION ONLY, UNLESS NOTED OTHERWISE

BUILDING ENVELOPE REQUIREMENTS:
OPAQUE ASSEMBLIES
(IECC TABLE 502.2 AND AMENDED BY 780 CMR - 8TH EDITION AMENDMENTS)

WALLS, ABOVE GRADE: R-13 + R-7.5ci REQUIRED
R-26 + R-13ci PROVIDED

WALLS, BELOW GRADE: R-7.5ci REQUIRED
R-10ci PROVIDED

ROOFS: R-38 REQUIRED (ATTIC AND OTHER)
R-39 PROVIDED

SLAB-ON-GRADE FLOORS: R-10 FOR 24" BELOW REQUIRED
R-10 FOR 48" BELOW PROVIDED

OPAQUE DOORS (SWINGING): R-2.7 REQUIRED
R-10 PROVIDED

BUILDING ENVELOPE REQUIREMENTS:
FENESTRATION (IECC TABLE 502.3 AND AMENDED BY 780 CMR - 8TH EDITION AMENDMENTS)

METAL FRAMING: R-2.2 REQUIRED
(WITH OR WITHOUT THERMAL BREAK) R-5 GLAZING UNIT PROVIDED

MASSACHUSETTS PLUMBING CODE 248 CMR (2006)

FIXTURE REQUIREMENTS:
(248 CMR TABLE 2.10)

MALES: (30) MALE OCCUPANTS (ACTUAL)
WATER CLOSETS (1/25): (2) REQUIRED
(2) PROVIDED
URINALS (33%): (0) REQUIRED
(0) PROVIDED
LAVATORIES (1/50): (1) REQUIRED
(2) PROVIDED

FEMALES: (30) FEMALE OCCUPANTS (ACTUAL)
WATER CLOSETS (1/20): (2) REQUIRED
(2) PROVIDED
LAVATORIES (1/50): (1) REQUIRED
(2) PROVIDED

DRINKING FOUNTAINS (1/75): (1) REQUIRED
(3) PROVIDED

SERVICE SINK (1/FLOOR): (1) PER FLOOR PROVIDED

INTERNATIONAL BUILDING CODE (2009)

OCCUPANCY (EXISTING): EDUCATIONAL "E" - IBC 305

OCCUPANCY (NEW): BUSINESS "B" - IBC 304

TYPE OF CONSTRUCTION: 3B (IBC TABLE 601)

ALLOWABLE HEIGHT AND AREA FOR 3B BUSINESS "B": (3) STORIES, 55 FEET, 19,000 SF PER STORY (IBC TABLE 503)

AUTOMATIC SPRINKLER SYSTEM INCREASE (IBC 504.2):
MAXIMUM BUILDING HEIGHT = 75 FEET
MAXIMUM NUMBER OF STORIES = 4

ACTUAL BUILDING HEIGHT: (3) STORIES, 33'-8" HIGH

AUTOMATIC SPRINKLER SYSTEM INCREASE (IBC 506.3):
MAXIMUM BUILDING AREA INCREASE = 200%
MAXIMUM BUILDING AREA (PER STORY) = 57,000 SF

ACTUAL BUILDING AREA:
BASEMENT FLOOR = 3,213 SF
FIRST FLOOR = 2,944 SF
SECOND FLOOR = 2,944 SF

FIRE RESISTANCE RATING OF BUILDING ELEMENTS:
(IBC TABLE 601)

PRIMARY STRUCTURAL FRAME:	0 HR
EXTERIOR BEARING WALLS:	2 HR
INTERIOR BEARING WALLS:	0 HR
EXTERIOR NON-BEARING WALLS AND PARTITIONS:	0 HR
INTERIOR NON-BEARING WALLS AND PARTITIONS:	0 HR
FLOOR CONSTRUCTION:	0 HR
ROOF CONSTRUCTION:	0 HR

SHAFT ENCLOSURES
FIRE-RESISTANCE RATING:
(IBC 708.4)
REQUIRED: 1 HOUR (WHEN CONNECTING LESS THAN 4 STORIES)
PROVIDED: 1 HOUR (AT LU/LA ELEVATOR SHAFT)

INTERIOR FINISH REQUIREMENTS:
(IBC TABLE 803.9)
SPRINKLERED

EXIT ENCLOSURES AND PASSAGEWAYS:	CLASS B
CORRIDORS:	CLASS C
ROOMS AND ENCLOSED SPACES:	CLASS C

OCCUPANT LOAD:
(IBC TABLE 1004.1.1)
BUSINESS:
TABULAR: 100 SF (GROSS) PER OCCUPANT = 33 OCCUPANTS PER STORY
ACTUAL: 42 OCCUPANTS (2ND FLOOR); 18 OCCUPANTS (FIRST FLOOR);
0 OCCUPANTS (BASEMENT FLOOR)

IBC 1004.4 EXITING FROM MULTIPLE LEVELS. WHERE EXITS SERVE MORE THAN ONE FLOOR, ONLY THE OCCUPANT LOAD OF EACH FLOOR CONSIDERED INDIVIDUALLY SHALL BE USED IN COMPUTING THE REQUIRED CAPACITY OF THE EXITS AT THAT FLOOR, PROVIDED THAT THE EXIT CAPACITY SHALL NOT DECREASE IN THE DIRECTION OF EGRESS TRAVEL.

EGRESS WIDTH PER OCCUPANT:
(IBC 1005.1)
REQUIRED: STAIRWAYS: 0.30"
OTHER EGRESS COMPONENTS: 0.20"

PROVIDED: 4 DOORS AT 144" (total) WIDE = 144" / 0.20" PER OCCUPANT = 720 OCCUPANTS

2 STAIRWAYS = 90" / 0.30" PER OCCUPANT = 300 OCCUPANTS

LENGTH OF EXIT ACCESS TRAVEL:
(IBC TABLE 1016.1)
MAXIMUM: 250'-0" (WITH SPRINKLER SYSTEM)
ACTUAL: 48'-0"

CORRIDOR FIRE-RESISTANCE RATING (IBC TABLE 1018.1)
REQUIRED FIRE RATING: 0 HR
(WITH SPRINKLER SYSTEM)

DEAD-END CORRIDOR:
(IBC 1018.4)
MAXIMUM: 50'-0" (EXCEPTION 1018.4.2)
ACTUAL: 30'-0"

MINIMUM NUMBER OF EXITS:
(IBC TABLE 1021.1)
REQUIRED: (2)
PROVIDED: (2)

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PROJECT MNGR.			
PROJ. ARCHT. RSB			
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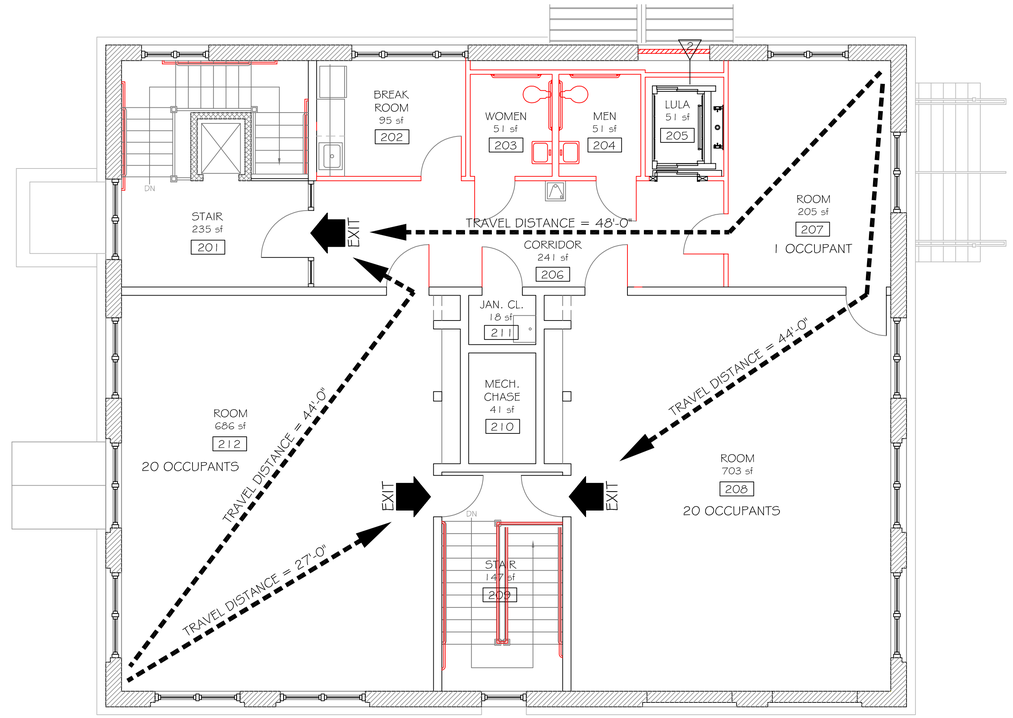
PROJECT No. 15-06-01			

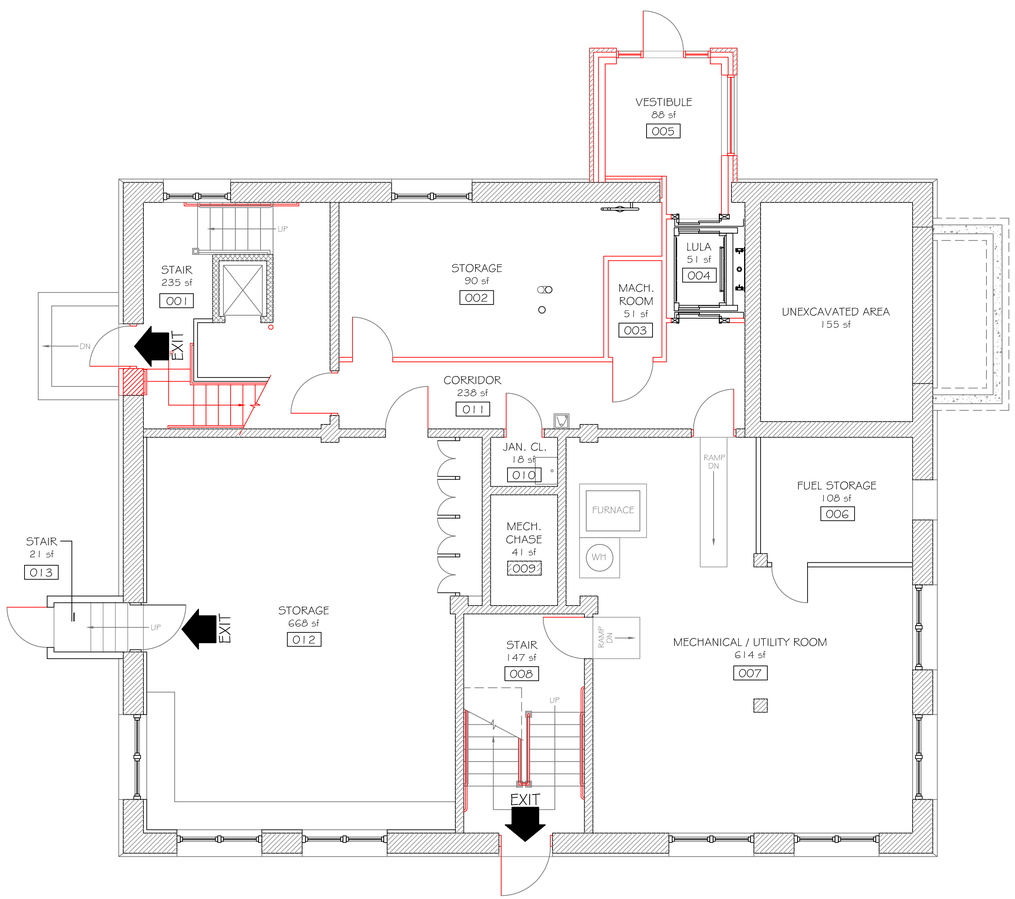
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET CC.1 OF 2



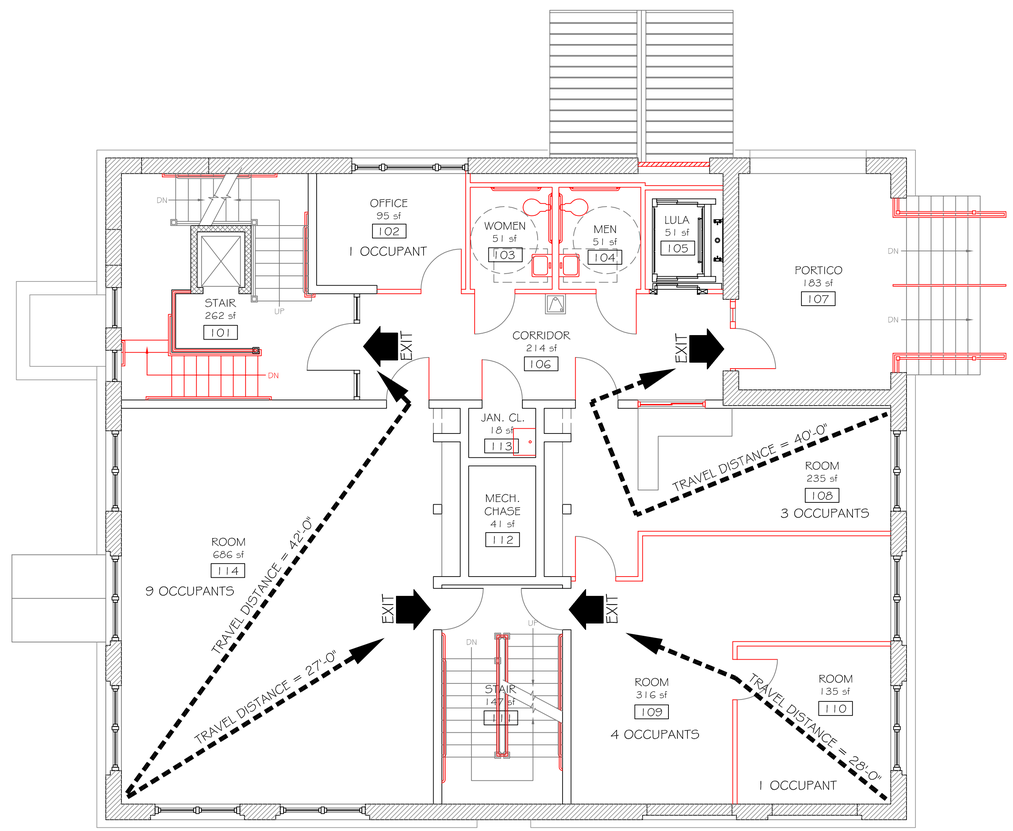
SECOND FLOOR PLAN - EXISTING

3/16"= 1'-0"



BASEMENT FLOOR PLAN - EXISTING

3/16"= 1'-0"



FIRST FLOOR PLAN - EXISTING

3/16"= 1'-0"

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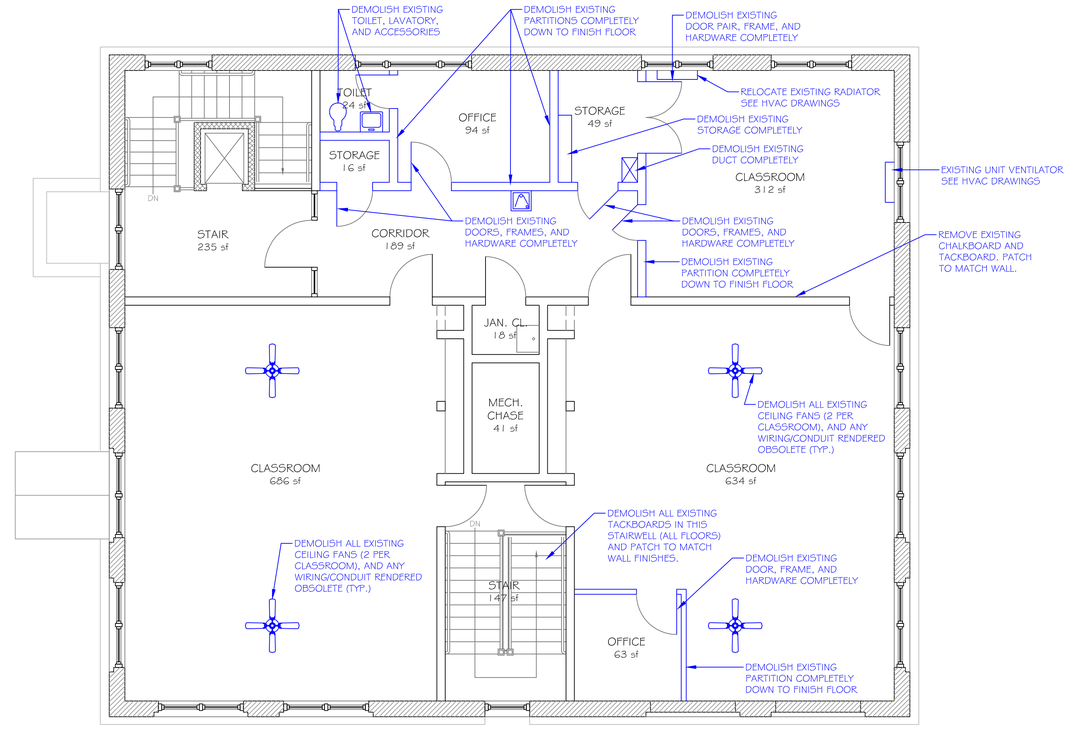
SHEET CC.2 OF 2



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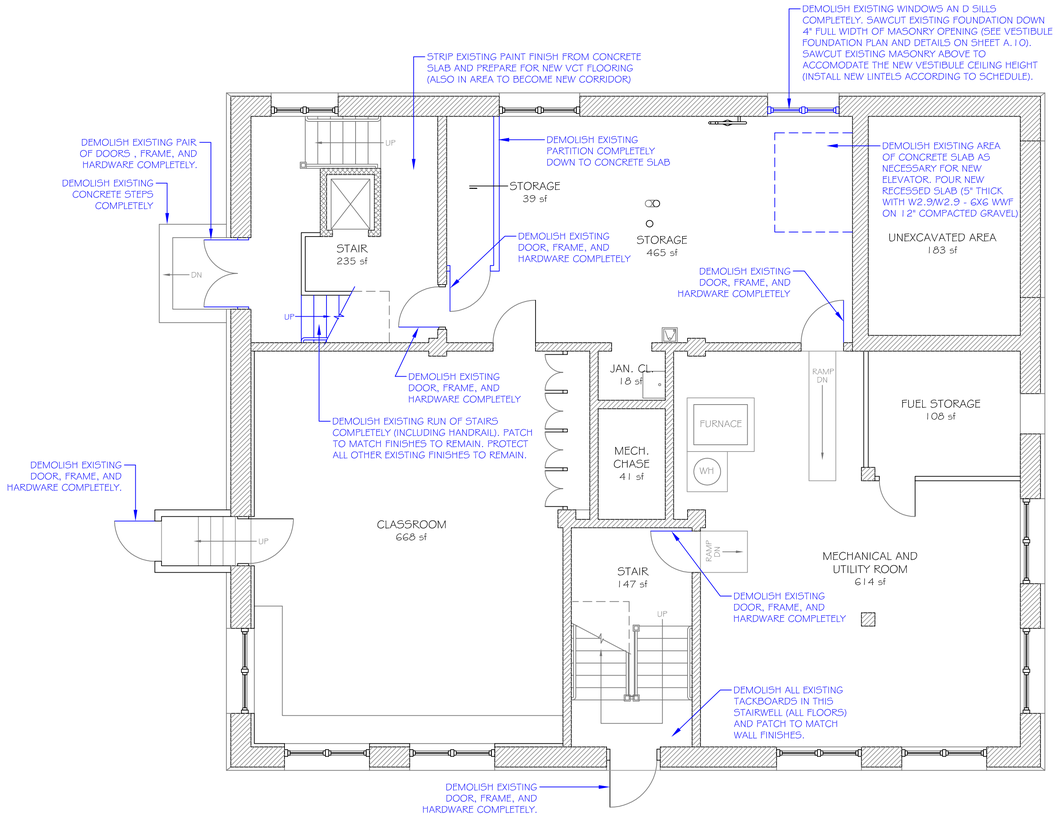
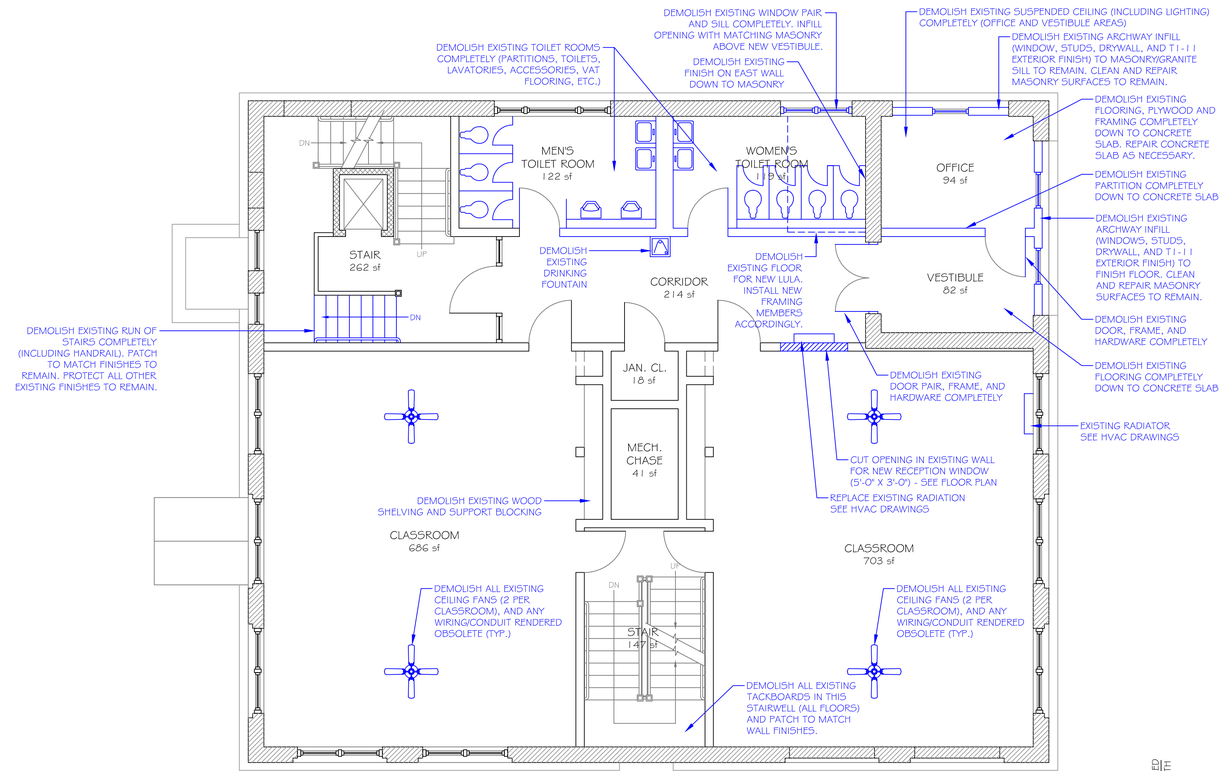


BASEMENT FLOOR PLAN - EXISTING

3/16"= 1'-0"



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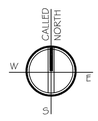
3/16"= 1'-0"



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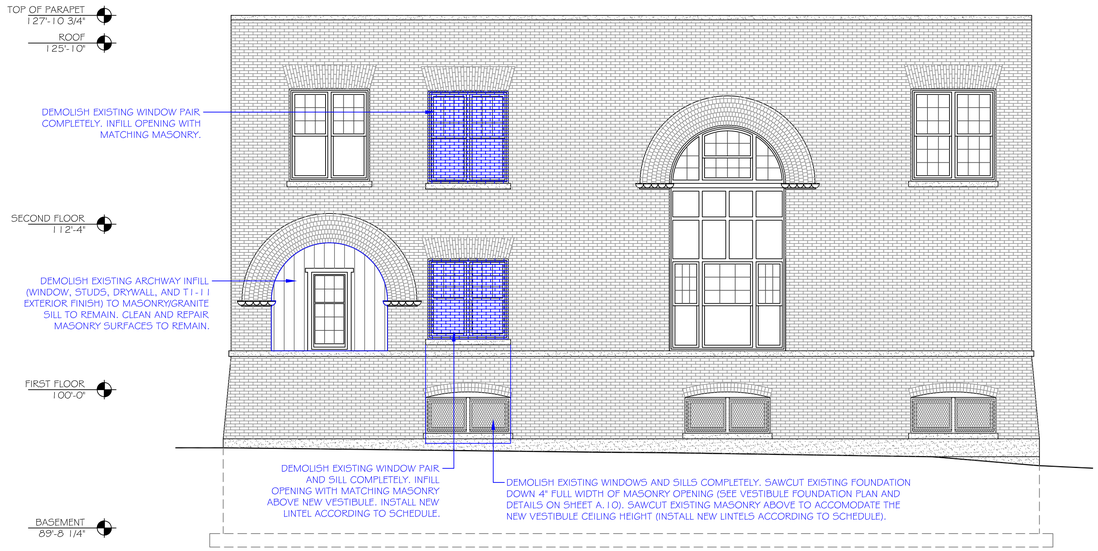
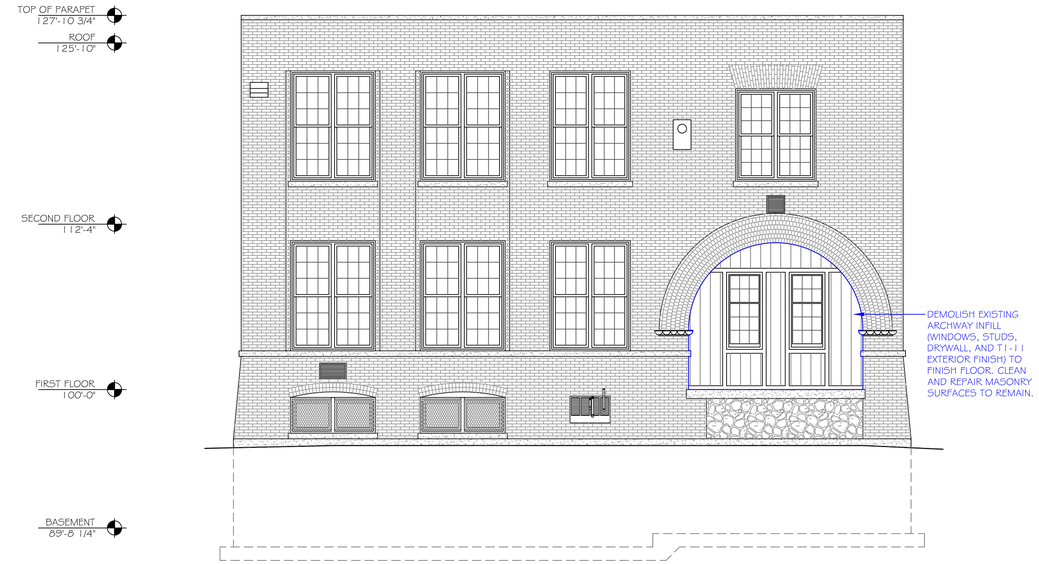
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET A.1 | 13 OF



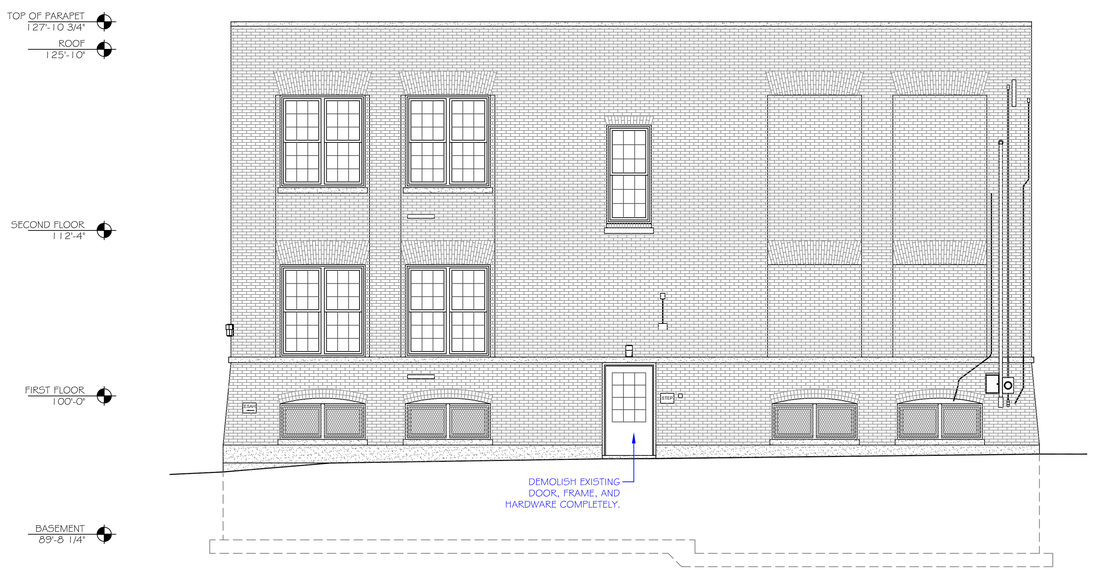
NORTH ELEVATION - EXISTING

3/16"= 1'-0"



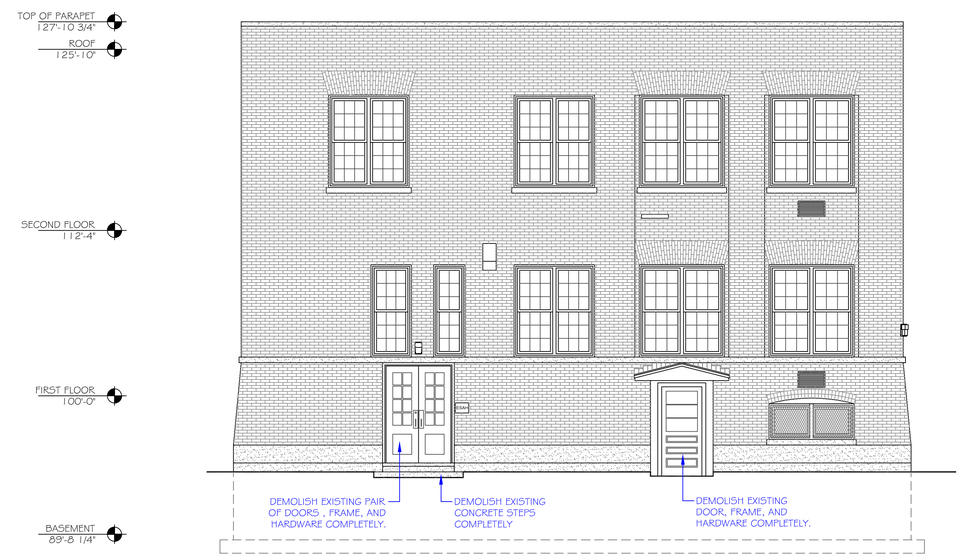
EAST ELEVATION - EXISTING

3/16"= 1'-0"



SOUTH ELEVATION - EXISTING

3/16"= 1'-0"



WEST ELEVATION - EXISTING

3/16"= 1'-0"

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RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET
A.2
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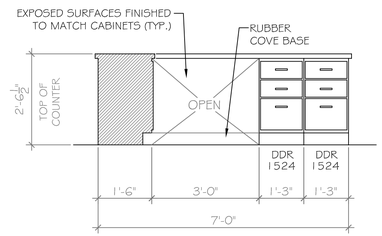
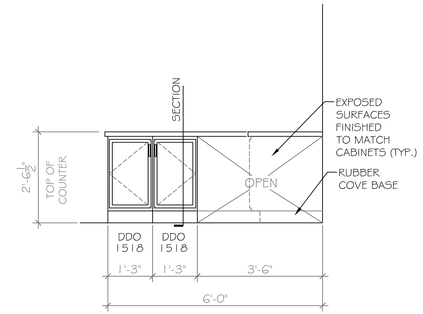
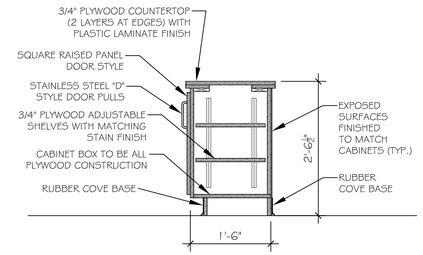
OF





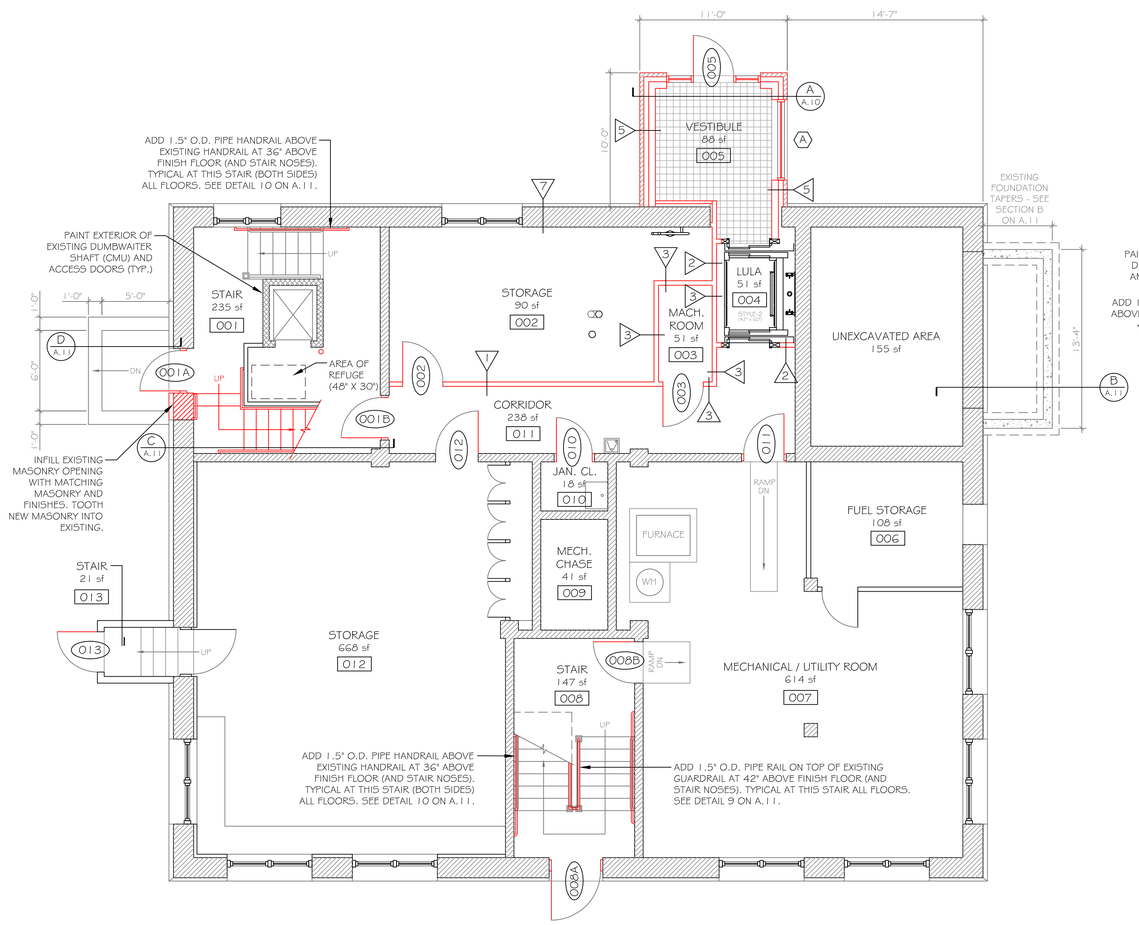
NEW RECEPTION DESK ELEVATIONS

1/2"= 1'-0"



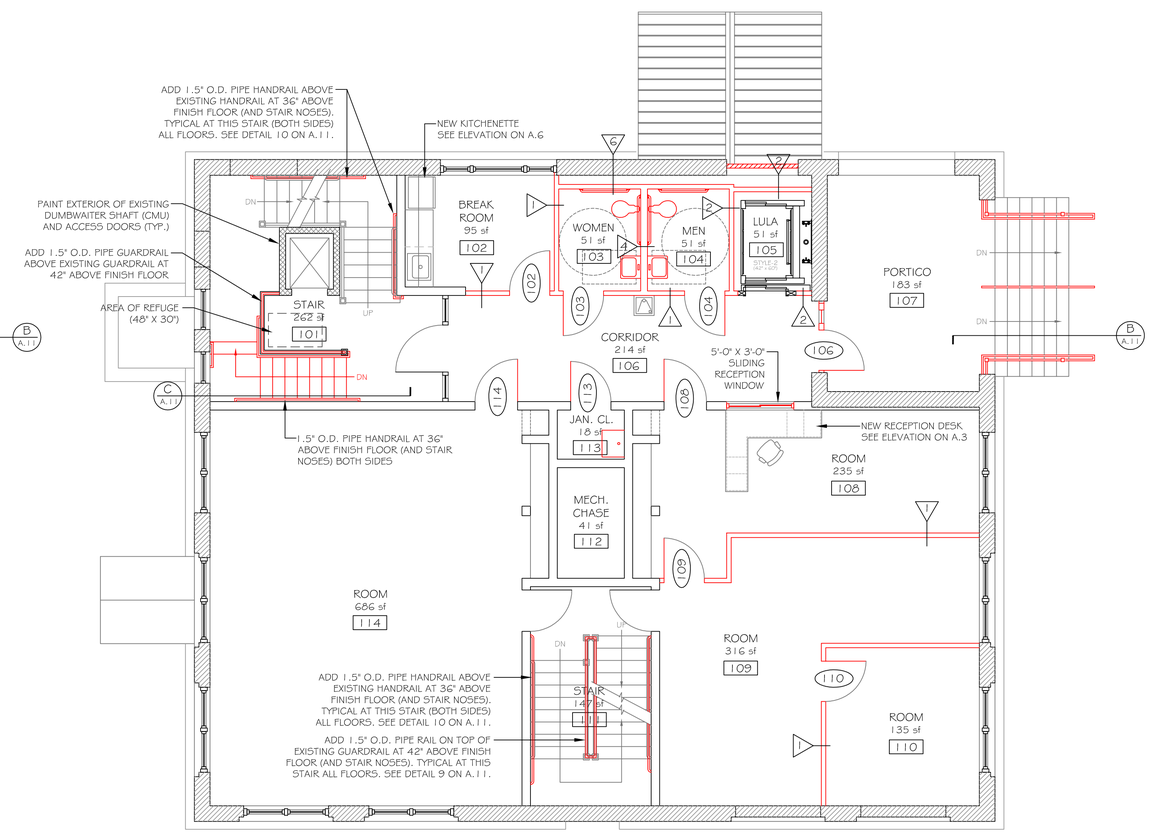
NEW RECEPTION DESK SECTION

1/2"= 1'-0"



BASEMENT FLOOR PLAN - NEW

3/16"= 1'-0"



FIRST FLOOR PLAN - NEW

3/16"= 1'-0"

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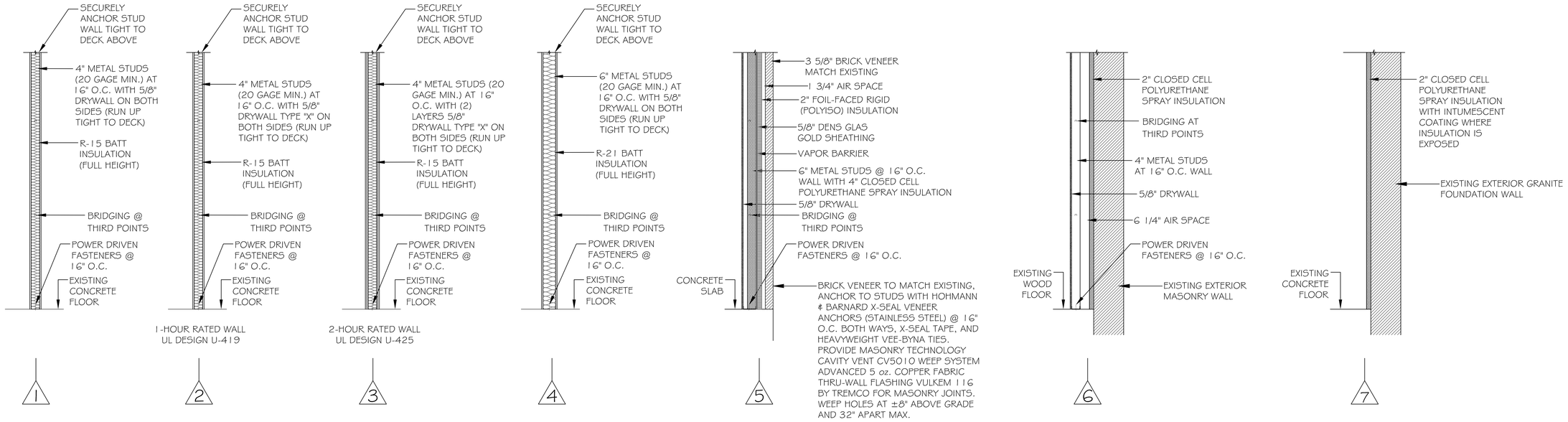
SHEET A.3 OF 13



WALL TYPES

1/2"= 1'-0"

LINTEL SCHEDULE

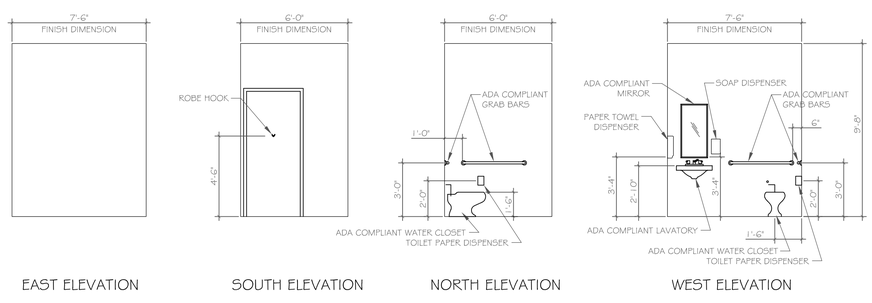
MAX. MASONRY OPENING	WALL THICKNESS			
	4 INCH	6 INCH	8 INCH	12 INCH
3'-0"	(1) L 4" x 3-1/2" x 1/4"	(2) L's 3-1/2" x 2-1/2" x 1/4"	(2) L's 4" x 3-1/2" x 1/4"	(3) L's 4" x 3-1/2" x 1/4"
4'-0"	(1) L 4" x 3-1/2" x 1/4"	(2) L's 3-1/2" x 2-1/2" x 1/4"	(2) L's 4" x 3-1/2" x 1/4"	(3) L's 4" x 3-1/2" x 1/4"
5'-0"	(1) L 4" x 3-1/2" x 1/4"	(2) L's 3-1/2" x 2-1/2" x 1/4"	(2) L's 4" x 3-1/2" x 1/4"	(3) L's 4" x 3-1/2" x 1/4"
6'-0"	(1) L 5" x 3-1/2" x 1/4"	(2) L's 3-1/2" x 2-1/2" x 3/8"	(2) L's 5" x 3-1/2" x 1/4"	(3) L's 5" x 3-1/2" x 1/4"
8'-0"	(1) L 6" x 3-1/2" x 3/8"	(2) L's 3-1/2" x 2-1/2" x 3/8"	(2) L's 6" x 3-1/2" x 3/8"	(3) L's 6" x 3-1/2" x 3/8"
9'-0"	(1) L 6" x 3-1/2" x 3/8"			

UNLESS NOTED OTHER WISE ON THE DRAWINGS, PROVIDE AND INSTALL LINTELS IN ACCORDANCE WIHT THE ABOVE SCHEDULE. INSTALL LINTELS WITH THE LONG LEG VERTICAL. PROVIDE ADDITIONAL ANGLE OF SIZE INDICATED FOR EACH ADDITIONAL FOUR INCHES OF MASONRY WALL THICKNESS. PROVIDE CLOSURE ANGLES AT CAVITY WALLS AS NECESSARY. FOR OPENINGS OVER 8'-0" IN WIDTH, PROVIDE W8X18 + 1/4" PLATE X WALL THICKNESS UNLESS NOTED OTHERWISE ON THE DRAWINGS. LINTELS AT EXTERIOR WALLS ARE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.

LIST OF TOILET ACCESSORIES

	ITEM	MAKE	MODEL	MOUNTING HEIGHT	MOUNTING HEIGHT (PRE-K TO 3RD)
1	PAPER TOWEL DISPENSER	BOBRICK	B-262	40" AFF MAX. TO CONTROLS	36" AFF MAX. TO CONTROLS
2	SOAP DISPENSER	BOBRICK	B-132	40" AFF MAX. TO CONTROLS	36" AFF MAX. TO CONTROLS
3	TOILET PAPER DISPENSER	BOBRICK	B-76867	24" AFF MIN. TO CENTERLINE	14" AFF TO CENTERLINE
4	MIRRORS	BOBRICK	B-293 1836	BOTTOM OF GLASS 40" AFF MAX.	BOTTOM OF GLASS 31" AFF MAX.
5	GRAB BARS - 42"	BOBRICK	B6806X42	33" - 36" AFF	20" AFF
6	ROBE HOOKS	BOBRICK	B-6727	54" AFF MAX. (ONE PER DOOR)	48" AFF MAX. (ONE PER DOOR)
7	MOP & BROOM HOLDER	BOBRICK	B-224X36	ONE PER JAN. CLOSET	ONE PER JAN. CLOSET

AFF - ABOVE FINISH FLOOR

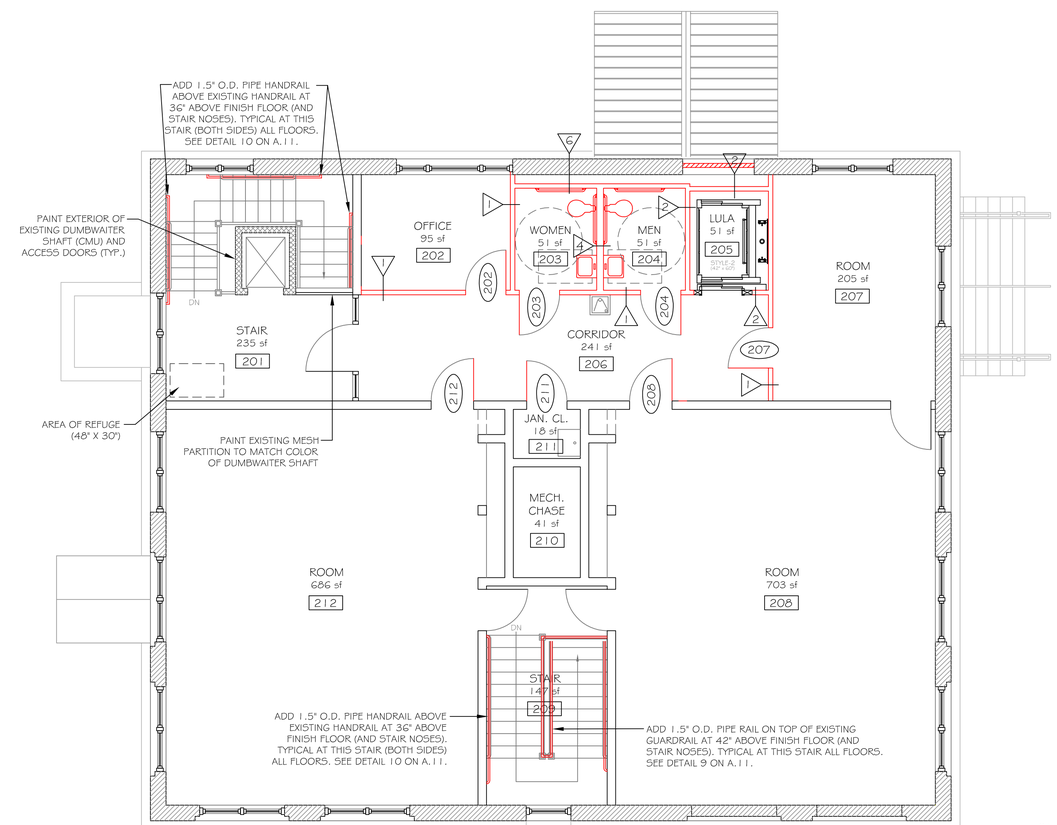


MENS' TOILET ROOMS "104 AND 204" ELEVATIONS

WOMENS' TOILET ROOMS "103 AND 203" ELEVATIONS ARE MIRROR IMAGE

TOILET ROOM ELEVATIONS

1/4"= 1'-0"



SECOND FLOOR PLAN - NEW

3/16"= 1'-0"

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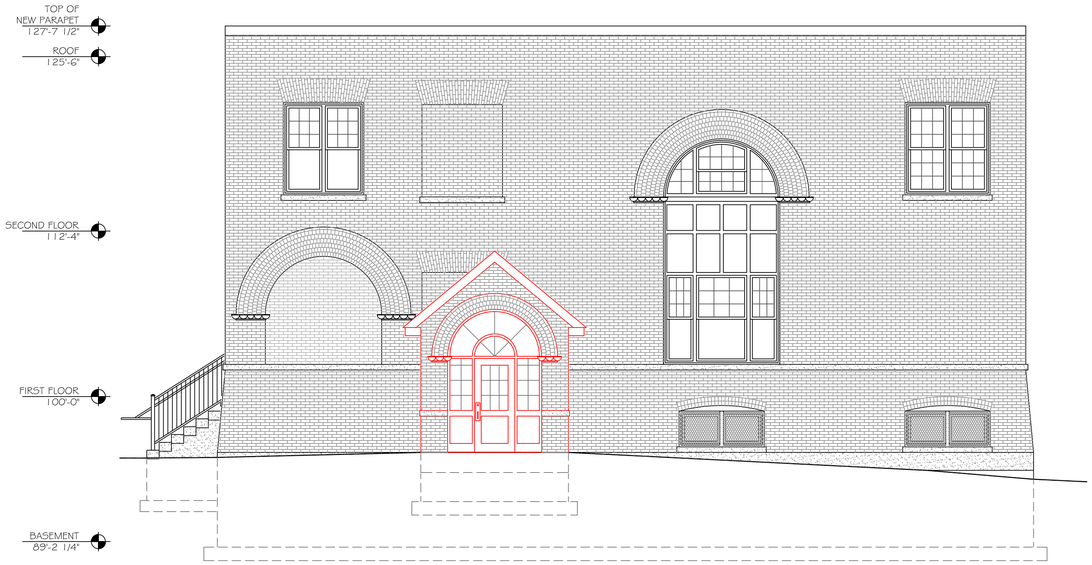
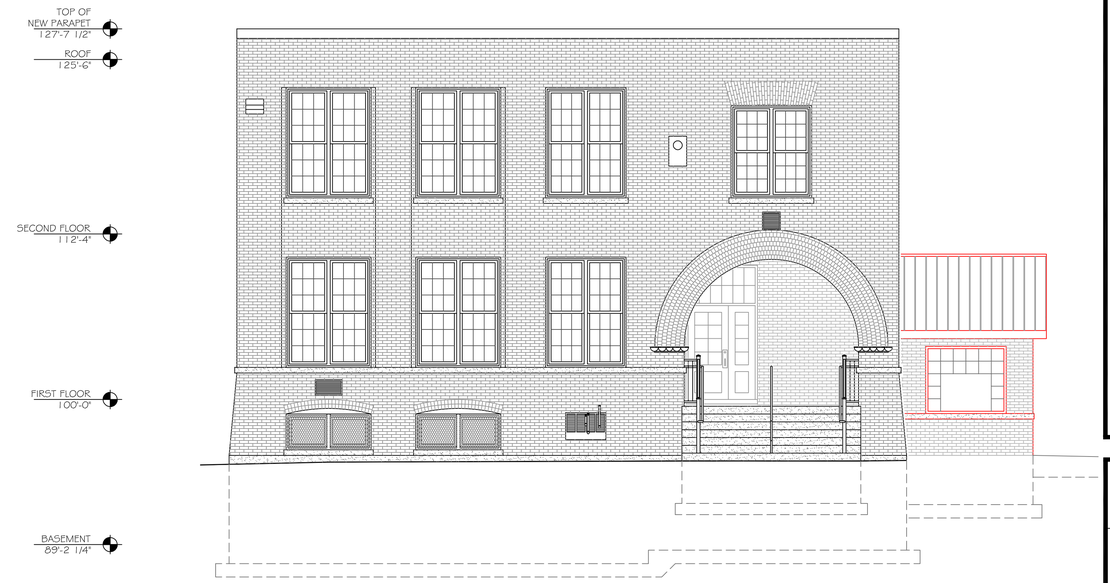
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET A.4 OF 13



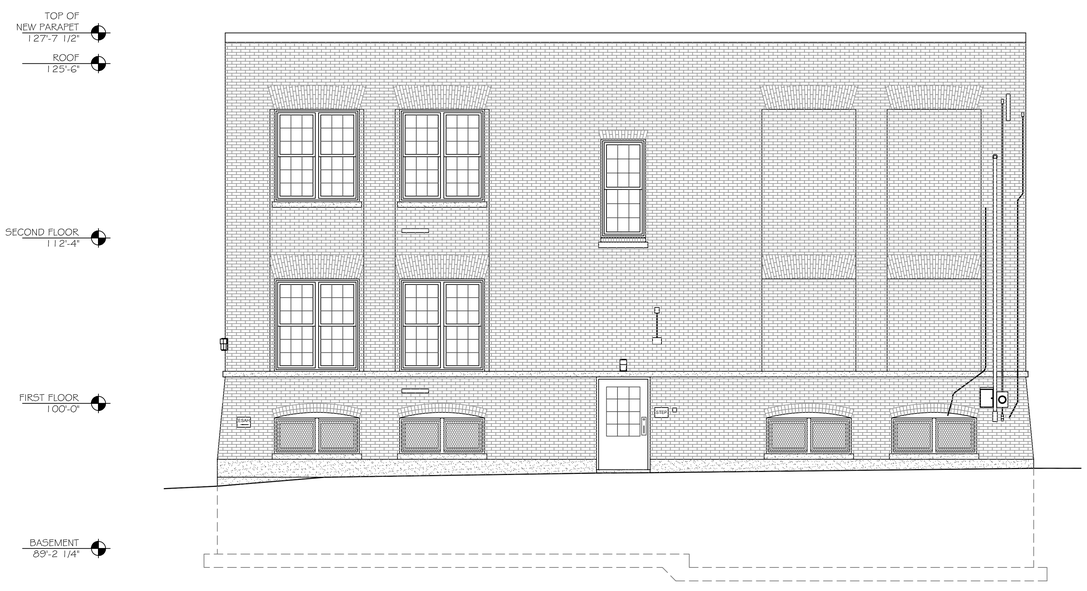
NORTH ELEVATION - NEW

3/16"= 1'-0"



EAST ELEVATION - NEW

3/16"= 1'-0"



SOUTH ELEVATION - NEW

3/16"= 1'-0"

WEST ELEVATION - NEW

3/16"= 1'-0"

ROY S. BROWN ARCHITECTS
85 CHILSON ROAD
WILBRAHAM, MA 01095
PH 413.596.2360
FAX 413.596.2360

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PROJ. MNGR.	RSB		
DATE:	07.17.15		
PROJECT No.	15-06-01		

RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET A.5 OF 13

LIGHTING SCHEDULE

A - 48" (LONG) PENDENT MOUNTED INDIRECT LIGHTING
FINELITE SERIES 12 LED FIXTURES. FIXTURES MOUNTED
AT 8'-0" ABOVE FINISH FLOOR. SEE ELECTRICAL DRAWINGS.
LOCATION: ROOMS, CORRIDORS, VESTIBULE, AND OFFICES

B - 2X2 RECESSED LIGHTING - FINELITE HPR-LED EP.
SEE ELECTRICAL DRAWINGS.
LOCATION: TOILET ROOMS AND VESTIBULE

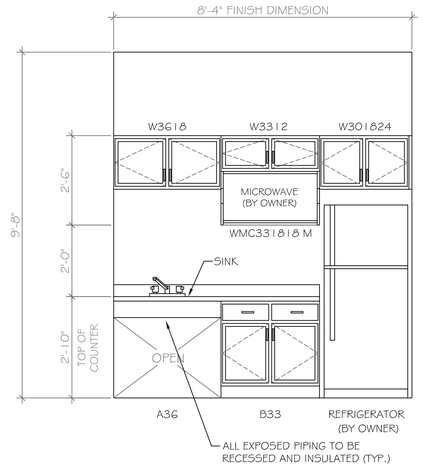
C - 1X4 SURFACE MOUNTED LIGHTING - FINELITE HPR-LED EP
SEE ELECTRICAL DRAWINGS.
LOCATION: CORRIDORS AND STAIRS

D - 1X4 SURFACE MOUNTED INDUSTRIAL LIGHTING - 2F32T8
SEE ELECTRICAL DRAWINGS.
LOCATION: STORAGE AND MACH. ROOM

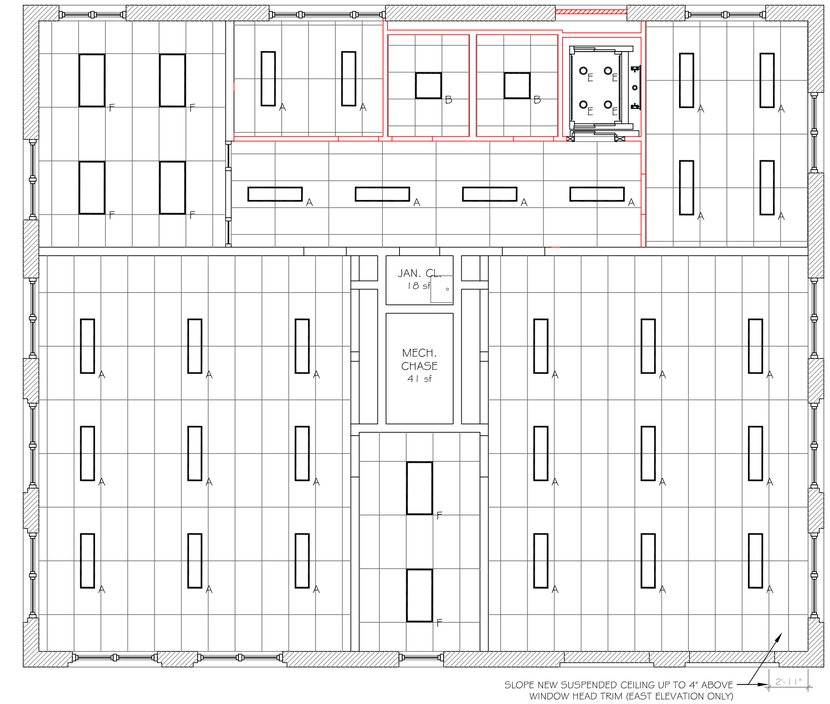
E - RECESSED LED LIGHT PROVIDED BY ELEVATOR MANUFACTURER
SEE ELECTRICAL DRAWINGS.
LOCATION: LULA

F - 2X4 RECESSED LIGHTING - FINELITE HPR-LED EP.
SEE ELECTRICAL DRAWINGS.
LOCATION: STAIRS (SECOND FLOOR ONLY)

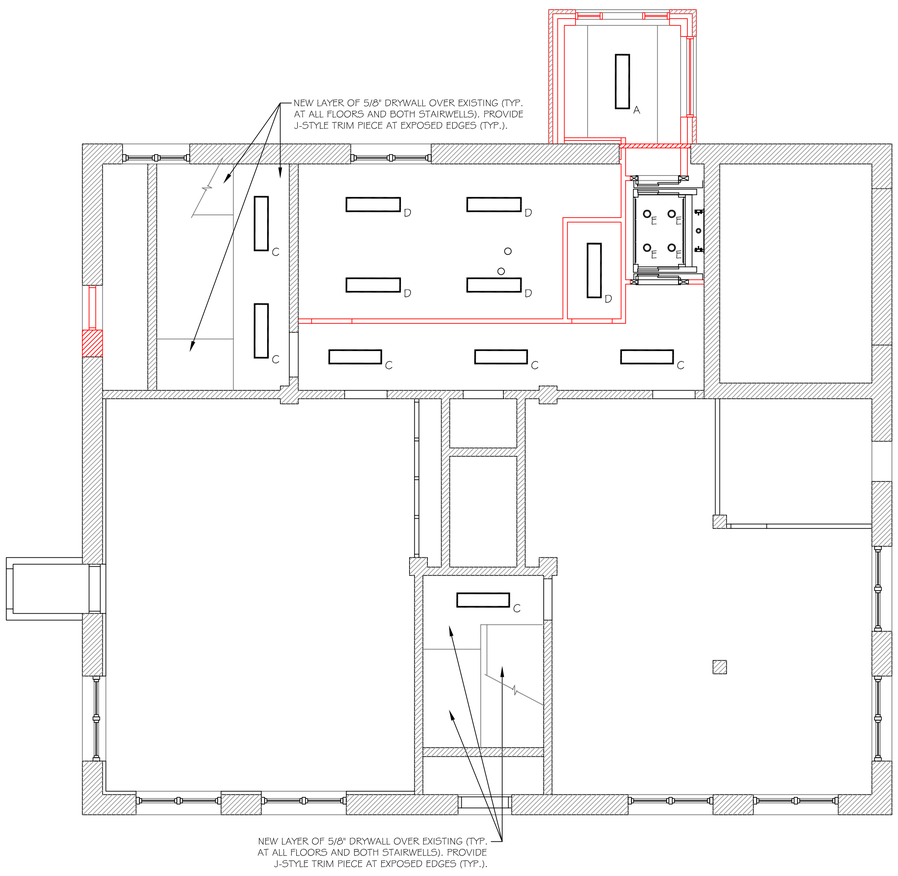
G - THREE (LED) LIGHT HANGING (PENDANT MOUNTED) LANTERN
BY PROGRESS LIGHTING SEIRENES SERIES MODEL #P5551-31
BOTTOM OF FIXTURE AT 7'-6" ABOVE FINISH FLOOR
ENSURE THAT FIXTURE DOES NOT CAST SHADOW ON STEPS



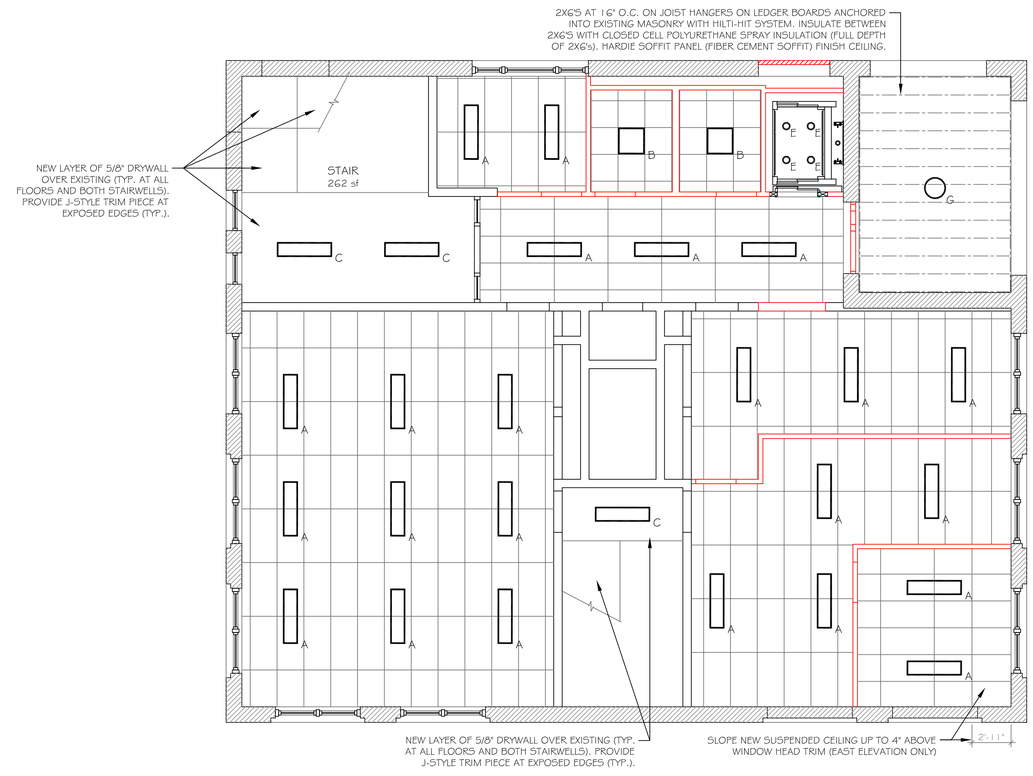
BREAK ROOM "102" - CABINET ELEVATIONS
1/2"= 1'-0"



SECOND FLOOR REFLECTED CEILING PLAN
3/16"= 1'-0"



BASEMENT FLOOR REFLECTED CEILING PLAN
3/16"= 1'-0"



FIRST FLOOR REFLECTED CEILING PLAN
3/16"= 1'-0"

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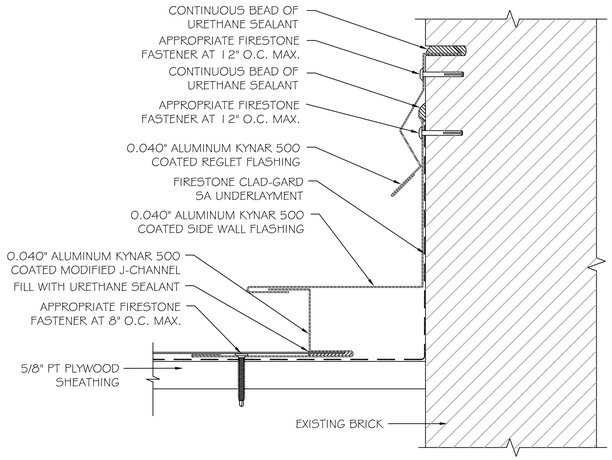
PROJ. MNGR.	RSB	07.17.15
PROJ. ARCH.		

DATE:
PROJECT No. 15-06-01

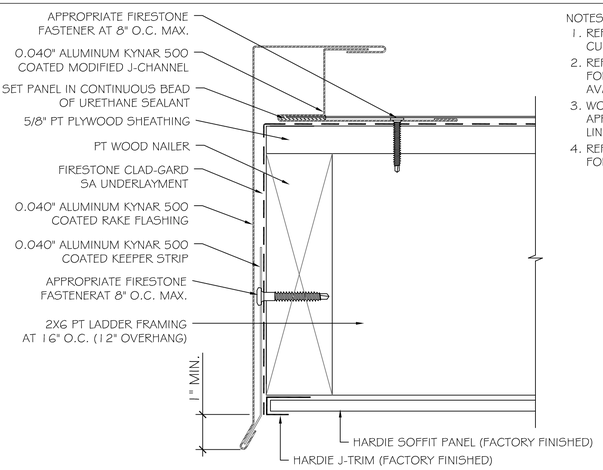
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET A.6 OF 13



NOTES:
1. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO TECHNICAL INFORMATION SHEETS FOR FASCIA SIZES, ACCESSORIES, AND FINISHES AVAILABLE.
3. REFER TO THE FIRESTONE TECHNICAL DATABASE FOR FASTENER/METAL COMPATIBILITY.

1 / A.7 SIDEWALL FLASHING WITH MODIFIED J-CHANNEL AT REGLET
NO SCALE



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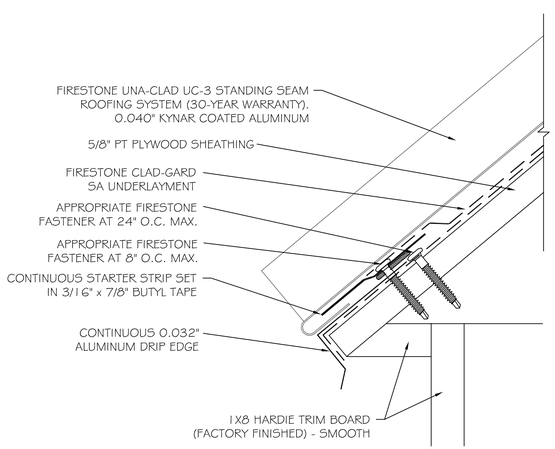
2. REFER TO TECHNICAL INFORMATION SHEETS FOR FASCIA SIZES, ACCESSORIES, AND FINISHES AVAILABLE.
3. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.
4. REFER TO THE FIRESTONE TECHNICAL DATABASE FOR FASTENER/METAL COMPATIBILITY.

2 / A.7 RAKE EDGE WITH MODIFIED J-CHANNEL DETAIL
NO SCALE



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3. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.
4. REFER TO THE FIRESTONE TECHNICAL DATABASE FOR FASTENER COMPATIBILITY WITH METAL.
5. REFER TO THE FIRESTONE TECHNICAL DATABASE FOR HEM LENGTH AND REQUIRED DISTANCE BETWEEN THE PANEL AND CLEAT.

3 / A.7 CLEATED SLIDING DRIP EDGE DETAIL
NO SCALE

ROOM FINISH SCHEDULE

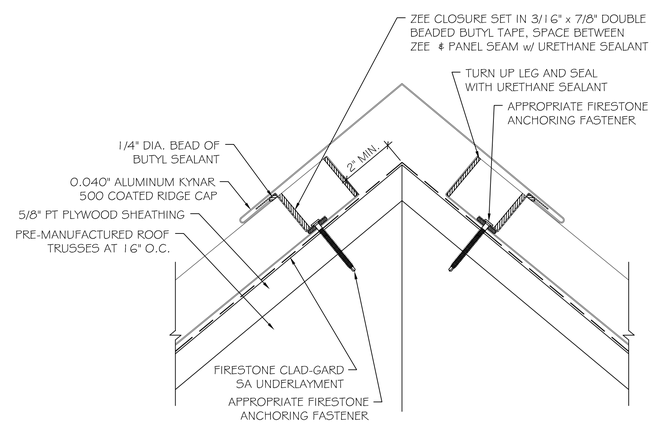
No.	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	DOORS	CEILING	HEIGHT	NOTES
001	STAIR	VCT	RUBBER	PGWB	PBMA	PBMA	PBMA	FACT. FIN.	PGWB	ETR	
002	STORAGE	ETR	NONE	PBMA	PGWB	PGWB	PBMA	FACT. FIN.	ETR	ETR	
003	MACH. ROOM	ETR	ETR	PGWB	PGWB	PGWB	PGWB	FACT. FIN.	PGWB	ETR	
004	LULA (HOISTWAY)	TC	NONE	PGWB	PGWB	PGWB	PGWB	NONE	NONE	NONE	
005	VESTIBULE	QT	QT	PGWB	PGWB	PGWB	PGWB	FACT. FIN.	PGWB	11'-6"	
006	FUEL STORAGE	ETR	NONE	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
007	MECHANICAL / UTILITY ROOM	ETR	NONE	ETR	ETR	ETR	ETR	NONE	ETR	ETR	
008	STAIR	ETR	RUBBER	PBMA	PBMA	PBMA	PBMA	FACT. FIN.	PGWB	ETR	
009	MECH. CHASE	ETR	ETR	ETR	ETR	ETR	ETR	NONE	NONE	NONE	
010	JAN. CL.	ETR	NONE	PBMA	PBMA	PBMA	PBMA	FACT. FIN.	ETR	ETR	
011	CORRIDOR	VCT	RUBBER	PGWB	PBMA	PBMA	PBMA	FACT. FIN.	ETR	ETR	
012	STORAGE	ETR	NONE	PBMA	PBMA	PBMA	PBMA	ETR	ETR	ETR	
013	STAIR	ETR	NONE	PGWB	PGWB	PGWB	PGWB	FACT. FIN.	ETR	ETR	
014	TOILET ROOM	QT	QT	QT / PGWB	QT / PGWB	QT / PGWB	QT / PGWB	VARN. SCW	PGWB	7'-2"	C
101	STAIR	ETR / CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	ETR	PGWB	ETR	B
102	BREAK ROOM	CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	VARN. SCW	SAT	9'-8"	
103	WOMEN	CT	CT	CT / PGWB	CT / PGWB	CT / PGWB	CT / PGWB	VARN. SCW	SAT	9'-8"	A
104	MEN	CT	CT	CT / PGWB	CT / PGWB	CT / PGWB	CT / PGWB	VARN. SCW	SAT	9'-8"	A
105	LULA (HOISTWAY)	NONE	NONE	PGWB	PGWB	PGWB	PGWB	NONE	NONE	NONE	
106	CORRIDOR	CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	FACT. FIN.	PGWB	ETR	
107	PORTICO	TC	TC	ETR	ETR	ETR	ETR	NONE	FCS	EHSC	
108	ROOM	CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	VARN. SCW	SAT	10'-0"	
109	ROOM	CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	VARN. SCW	SAT	10'-0"	
110	ROOM	CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	VARN. SCW	SAT	10'-0"	
111	STAIR	ETR / CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	ETR	PGWB	ETR	B
112	MECH. CHASE	NONE	ETR	ETR	ETR	ETR	ETR	NONE	NONE	NONE	
113	JAN. CL.	ETR	ETR	PGWB	PGWB	PGWB	PGWB	VARN. SCW	PGWB	ETR	
114	ROOM	EWF	RUBBER	PGWB	PGWB	PGWB	PGWB	VARN. SCW	SAT	10'-0"	
201	STAIR	ETR / CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	ETR	PGWB	ETR	B
202	OFFICE	CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	VARN. SCW	SAT	9'-8"	
203	WOMEN	CT	CT	CT / PGWB	CT / PGWB	CT / PGWB	CT / PGWB	VARN. SCW	SAT	9'-8"	A
204	MEN	CT	CT	CT / PGWB	CT / PGWB	CT / PGWB	CT / PGWB	VARN. SCW	SAT	9'-8"	A
205	LULA (HOISTWAY)	NONE	NONE	PGWB	PGWB	PGWB	PGWB	NONE	PGWB	11'-6"	
206	CORRIDOR	CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	FACT. FIN.	PGWB	ETR	
207	ROOM	CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	ETR	SAT	10'-0"	
208	ROOM	CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	ETR	SAT	10'-0"	
209	STAIR	ETR / CPT	RUBBER	PGWB	PGWB	PGWB	PGWB	ETR	PGWB	ETR	B
210	MECH. CHASE	NONE	ETR	ETR	ETR	ETR	ETR	NONE	NONE	NONE	
211	JAN. CL.	ETR	ETR	PGWB	PGWB	PGWB	PGWB	ETR	PGWB	ETR	
212	ROOM	EWF	RUBBER	PGWB	PGWB	PGWB	PGWB	ETR	SAT	10'-0"	

VCT - VINYL COMPOSITION TILE
CT - CERAMIC TILE
QT - QUARRY TILE
TC - TRAFFIC COATING
CPT - CARPET TILE

PGWB - PAINTED GYPSUM WALLBOARD
PCMU - PAINTED CONCRETE MASONRY UNITS
ETR - EXISTING TO REMAIN
A.F.F. - ABOVE FINISH FLOOR
EWF - ENGINEERED WOOD FLOORING

SAT - SUSPENDED ACOUSTICAL TILE
FACT. FIN. - FACTORY FINISH
VARN. SCW - VARNISHED SOLID CORE WOOD
PBMA - PAINTED BRICK MASONRY
FCS - FIBER CEMENT SOFFIT
EHSC - EXISTING HEIGHT OF SUSPENDED CEILING

A - CT UP 54" A.F.F.
B - STAIR TREADS TO REMAIN, LANDINGS TO BE CPT
C - QT UP 54" A.F.F. (ALL WORK PART OF ALTERNATE #1)



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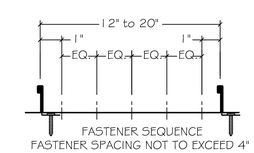
2. REFER TO TECHNICAL INFORMATION SHEETS FOR FASCIA SIZES, ACCESSORIES, AND FINISHES AVAILABLE.
3. REFER TO THE FIRESTONE TECHNICAL DATABASE FOR FASTENER/METAL COMPATIBILITY.
4. FIELD NOTCH ZEE CLOSURES. SET ZEE CLOSURE IN BUTYL TAPE AND SEAL AROUND REMAINING EDGES OF ZEE WITH URETHANE SEALANT.



ANCHORING FASTENER PATTERN

4 / A.7 FIXED RIDGE WITH Z-CLOSURE DETAIL
NO SCALE

ROY S. BROWN ARCHITECTS
85 CHILSON ROAD
WILBRAHAM, MA 01095
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FAX 413.596.2360

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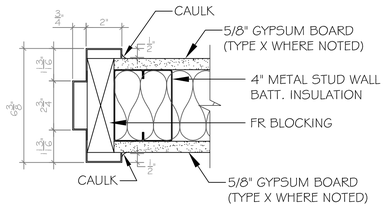
PROJECT MNGR.			
PROJ. ARCHT.	RSB		
DATE:	07.17.15		
PROJECT No. 15-06-01			

RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET A.7 OF 13



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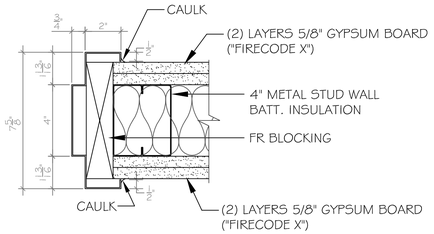

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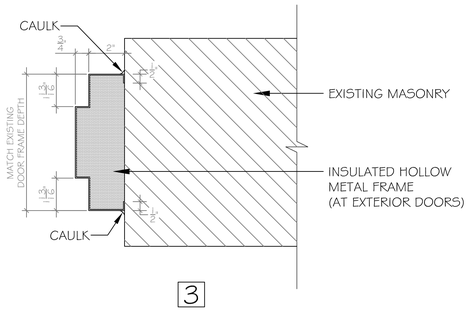

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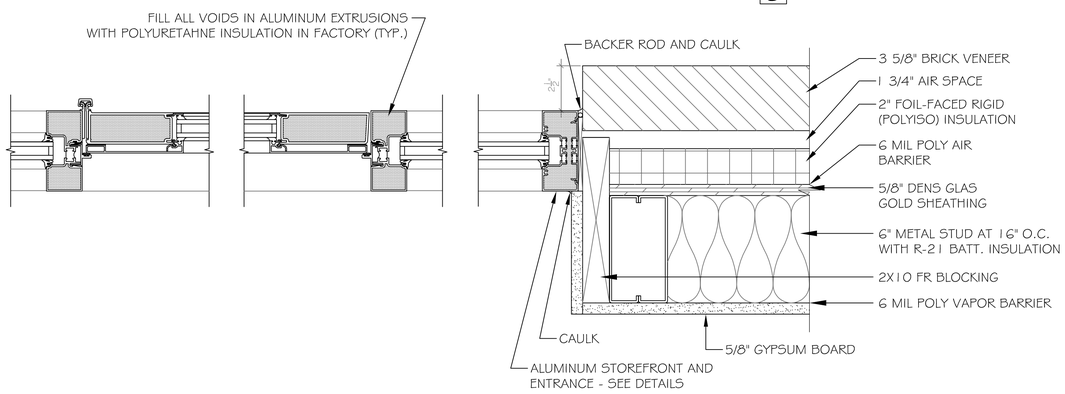


4

DOOR SCHEDULE

MARK	LOCATION	WIDTH	HEIGHT	THICKNESS	MATERIAL	GLASS	DOOR ELEVATION	DOOR FRAME	FRAME ELEVATION	HDWR SET	JAMB	FIRE LABEL	NOTES
001A	STAIR	3'-0"	7'-0"	1 3/4"	INS. HM	TEMP. INS.	F	INS. HM	X	5	3		
001B	STAIR	3'-0"	7'-0"	1 3/4"	HM	NONE	C	HM	V	4	3	60 min.	
002	STORAGE	3'-0"	7'-0"	1 3/4"	HM	NONE	C	HM	V	2	1		
003	MACH. ROOM	3'-0"	7'-0"	1 3/4"	HM	NONE	C	HM	V	2	2	90 min.	
004	LULA												A
005	VESTIBULE	3'-0"	7'-0"	1 3/4"	ALUM.	TEMP. INS.	H	ALUM.	Z	6	4		D
006	FUEL STORAGE												B
007	MECHANICAL / UTILITY ROOM												C
008A	STAIR	3'-8"	7'-0"	1 3/4"	INS. HM	TEMP. INS.	E	INS. HM	W	5	3		
008B	STAIR	3'-0"	7'-0"	1 3/4"	HM	NONE	C	HM	V	2	3		
009	MECH. CHASE												C
010	JAN. CL.	2'-8"	7'-0"	1 3/4"	SCW	NONE	B	HM	U	2	3		
011	CORRIDOR	3'-0"	7'-0"	1 3/4"	HM	NONE	C	HM	V	2	3		
012	STORAGE	3'-2"	7'-0"	1 3/4"	SCW	TEMP.	I	HM	S	1	1		
013	STAIR	3'-0"	6'-8"	1 3/4"	INS. HM	TEMP. INS.	A	INS. HM	T	5	3		
014	TOILET ROOM	3'-0"	7'-0"	1 3/4"	SCW	NONE	C	HM	V	3	1		E
101	STAIR												B
102	BREAK ROOM	3'-0"	7'-0"	1 3/4"	SCW	TEMP.	D	HM	V	1	1		
103	WOMEN	3'-0"	7'-0"	1 3/4"	SCW	NONE	C	HM	V	3	1		
104	MEN	3'-0"	7'-0"	1 3/4"	SCW	NONE	C	HM	C	3	1		
105	LULA												A
106	CORRIDOR	3'-0"	7'-0"	1 3/4"	INS. HM	TEMP. INS.	G	INS. HM	Y	5	3		
107	PORTICO												C
108	ROOM	3'-2"	7'-0"	1 3/4"	SCW	TEMP.	I	HM	S	1	1		
109	ROOM	3'-0"	7'-0"	1 3/4"	SCW	TEMP.	D	HM	V	1	1		
110	ROOM	3'-0"	7'-0"	1 3/4"	SCW	TEMP.	D	HM	V	1	1		
111	STAIR												B
112	MECH. CHASE												B
113	JAN. CL.	3'-0"	7'-0"	1 3/4"	SCW	NONE	C	HM	V	1	1		
114	ROOM	3'-2"	7'-0"	1 3/4"	SCW	TEMP.	I	HM	S	1	1		
201	STAIR												B
202	OFFICE	3'-0"	7'-0"	1 3/4"	SCW	TEMP.	D	HM	V	1	1		
203	WOMEN	3'-0"	7'-0"	1 3/4"	SCW	NONE	C	HM	V	3	1		
204	MEN	3'-0"	7'-0"	1 3/4"	SCW	NONE	C	HM	V	3	1		
205	LULA												A
206	CORRIDOR												C
207	ROOM	3'-0"	7'-0"	1 3/4"	SCW	TEMP.	D	HM	V	1	1		
208	ROOM	3'-2"	7'-0"	1 3/4"	SCW	TEMP.	I	HM	S	1	1		
209	STAIR												B
210	MECH. CHASE												B
211	JAN. CL.	3'-0"	7'-0"	1 3/4"	SCW	NONE	C	HM	V	1	1		
212	ROOM	3'-2"	7'-0"	1 3/4"	SCW	TEMP.	I	HM	S	1	1		

TEMP. INS. - TEMPERED INSULATED
SCW - SOLID CORE WOOD
INS. HM - INSULATED HOLLOW METAL

TEMP. - TEMPERED
HM - HOLLOW METAL
ALUM. - ALUMINUM STOREFRONT

A - DOORS AND TRIM TO ELEVATOR CAB PROVIDED BY ELEVATOR MANUFACTURER
B - EXISTING DOOR(S) TO REMAIN
C - NO DOOR(S) FOR THIS SPACE
D - SEE ALUMINUM ENTRANCE DETAILS ON SHEET A.9
E - ALL WORK ASSOCIATED WITH TOILET ROOM -014 TO BE ALTERNATE #1

DOOR JAMB DETAILS

3"=1'-0"

HARDWARE SET #1
(DOORS #102, 202, AND 207)

3 BUTT HINGES
1 HEAVY DUTY CYLINDRICAL LOCKSET - OFFICE FUNCTION
(PUSH BUTTON LOCK FROM INSIDE RELEASES WHEN DOOR CLOSES)
1 KICKPLATE
1 DOOR STOP - WALL BUMPER
3 SILENCERS

HARDWARE SET #2
(DOORS #002, 003, 008B, 010, AND 011)

3 BUTT HINGES
1 HEAVY DUTY CYLINDRICAL LOCKSET - STORAGE FUNCTION
1 KICKPLATE
1 CLOSER (WITH HOLD OPEN FINCTION)
1 DOOR STOP - WALL BUMPER
3 SILENCERS

HARDWARE SET #3
(DOORS #103, 104, 203, AND 204)

3 BUTT HINGES
1 HEAVY DUTY CYLINDRICAL LOCKSET - PRIVACY FUNCTION
1 CLOSER
1 KICKPLATE
1 DOOR STOP - WALL BUMPER
3 SILENCERS

HARDWARE SET #4
(DOORS #001B)

3 BUTT HINGES
1 HEAVY DUTY CYLINDRICAL LOCKSET - PASSAGE FUNCTION
1 CLOSER
1 KICKPLATE
1 DOOR STOP - WALL BUMPER
3 SILENCERS

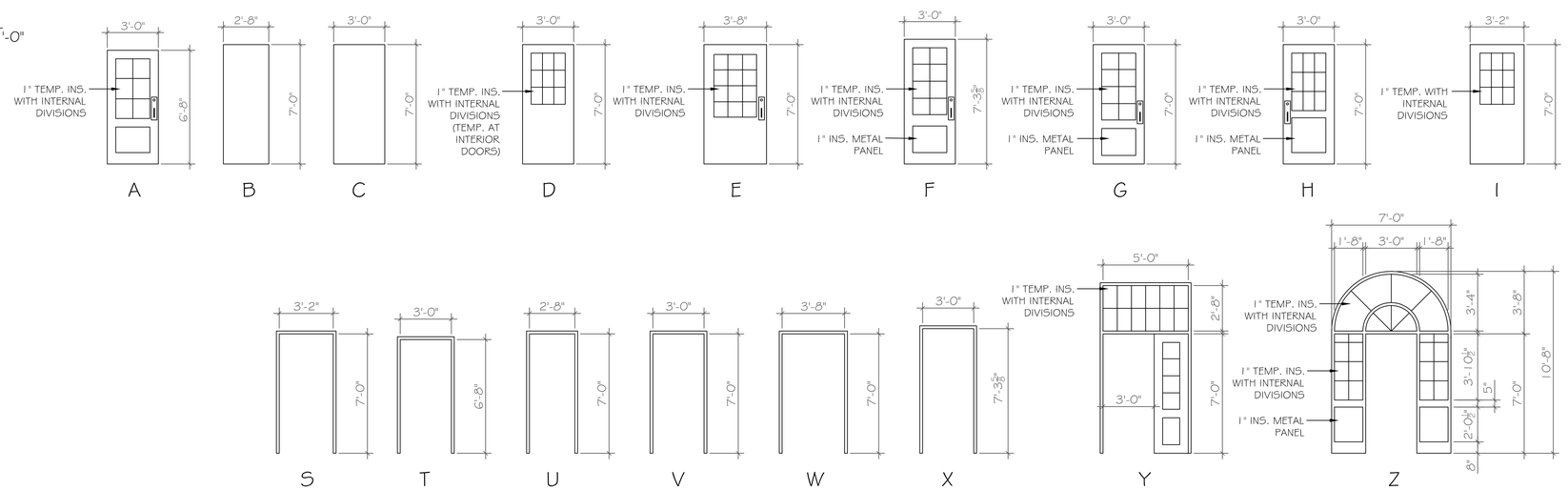
HARDWARE SET #5
(DOORS #001A, 008A, 013, AND 106)

3 BUTT HINGES
1 CLOSER
1 LOCKSET - STORE DOOR FUNCTION
1 SILL SWEEP
1 WEATHERSTRIPPING SET
1 THRESHOLD

HARDWARE SET #6*
(DOORS #005)

1 CONTINUOUS HINGE
1 CLOSER
1 INTERIOR PUSH BAR
1 EXTERIOR PULL
1 DEADBOLT LOCK
1 WEATHERSTRIPPING SET
1 THRESHOLD
1 SILL SWEEP

*HARDWARE TO BE PROVIDED BY ALUMINUM DOOR MANUFACTURER



DOOR AND FRAME ELEVATIONS

1/4"=1'-0"

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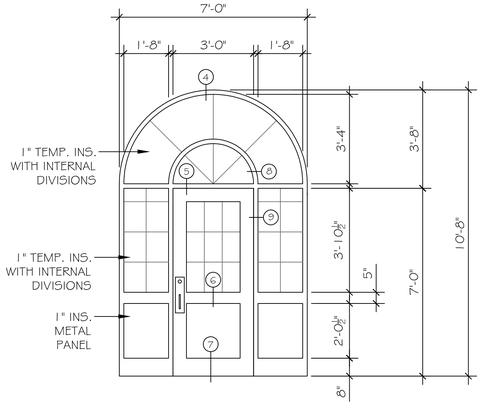
PROJ. ARCH.	RSB
DATE:	07.17.15
PROJECT No. 15-06-01	

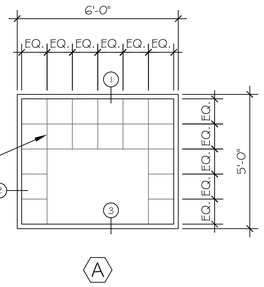
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET A.8 OF 13



ALUMINUM ENTRANCE ELEVATION

3/8"= 1'-0"



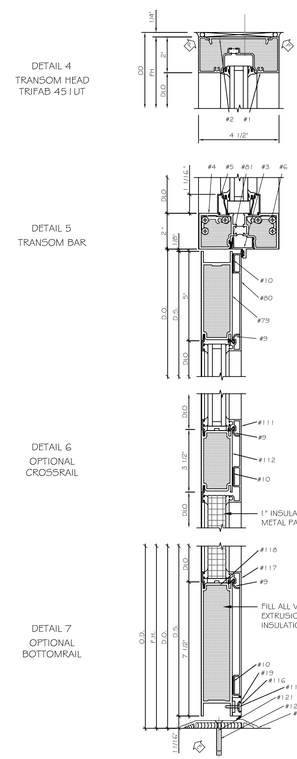
WINDOW ELEVATION

3/8"= 1'-0"

WINDOW SCHEDULE									
MARK	MANUFACTURER	MODEL	TYPE	WIDTH	HEIGHT	THICKNESS	HEAD HEIGHT	QUANTITY	NOTES
A	KAWNEER	TRIFAB VERSAGLAZE 451UT	FIXED	6'-0"	5'-0"	4 1/2"	8'-1 1/2" AFF	1	A, B

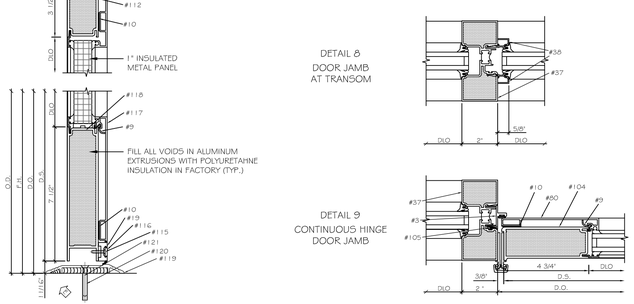
AFF - ABOVE FINISH FLOOR

A - TEMPERED INSULATED GLASS
B - INTERNAL WINDOW DIVISIONS (SEE ELEVATION)



KAWNEER PARTS LIST	
# PART NO.	PART DESCRIPTION
1 451T-CG-001	MULIONS/JAMB
2 452-146	SHIM SUPPORT
3 452-039	DOOR STOP FOR THERMAL DOOR
4 452-137	THERMAL HEADER/T-BAR
5 450-022	TRANSOM BAR GLASS STOP
6 116-455	T-BAR/HEADER CUP PKG.
9 116-074	THERMAL SEPARATOR
10 127-152	VHB TAPE
19 116-073	BTM DOOR SWEEP
37 452-136	THERMAL DOOR JAMB
38 452-041	GLAZING INSERT
79 200-025	"500" STANDARD 5" TOP DOOR RAIL
80 116-084	TOP RAIL CLADDING
81 027-072	THERMAL SEPERATOR
104 200-013	"500" CONT. HINGE STILE
105 027-072	THERMAL SEPERATOR
111 116-086	CROSSRAIL CLADDING
112 200-058	3-1/2" CROSSRAIL
115 026-340	#6 X 3/4" FHTF "B"
116 027-407	ALUM. FILLER
117 116-086	BTM DOOR RAIL CLADDING
118 200-034	STD. 7-1/2" BTM DOOR RAIL
119 069-129	2" DOOR S.A. THRESHOLD
120 026-383	1 1/2" PLASTIC SCREW ANCHOR
121 026-201	#12 x 1 3/4" AB FHMS

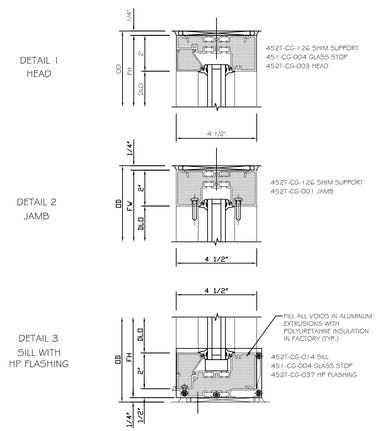
SEE THERMAL ENTRANCE DETAILS



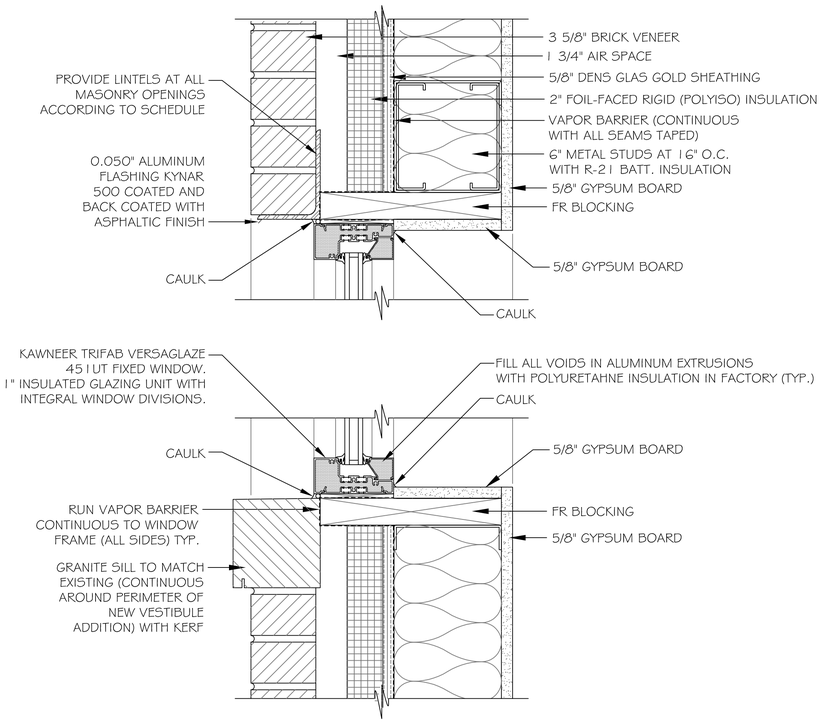
KAWNEER INSULCLAD 560 THERMAL ENTRANCE
(1" INFILL)

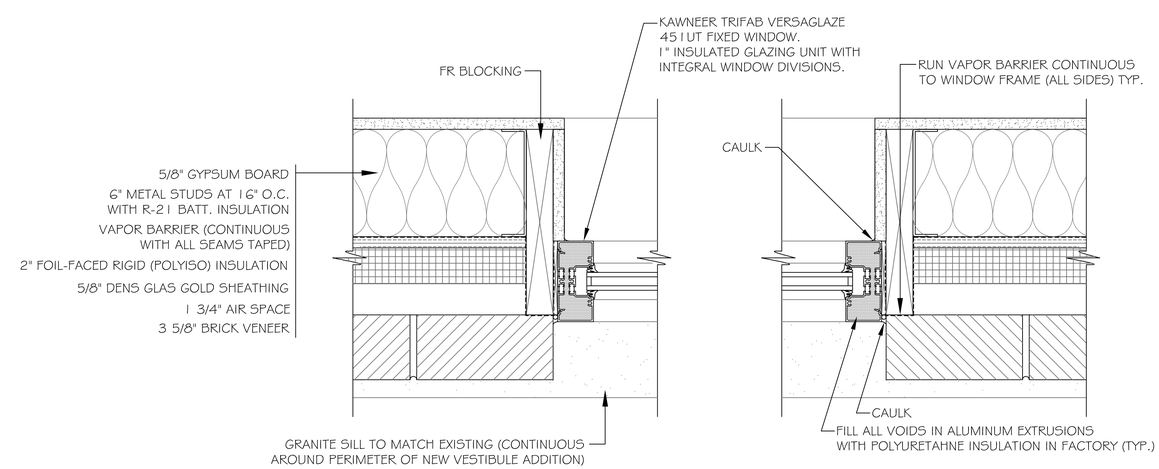
ALUMINUM ENTRANCE DETAILS

3"= 1'-0"



KAWNEER TRIFAB 451UT (CENTER)
SCREW SPLINE ASSEMBLY
INSIDE GLAZED
(1" INFILL)





WINDOW HEAD/JAMB/SILL DETAILS

3"= 1'-0"

ROY S. BROWN ARCHITECTS
85 CHILSON ROAD
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FAX 413.596.2360

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PROJ. ARCH.			
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PROJECT No. 15-06-01			

RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
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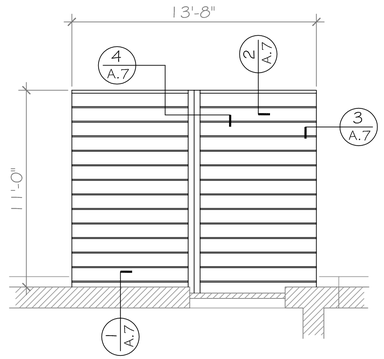
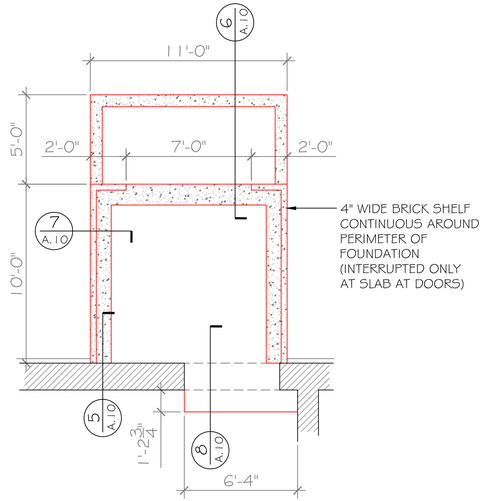
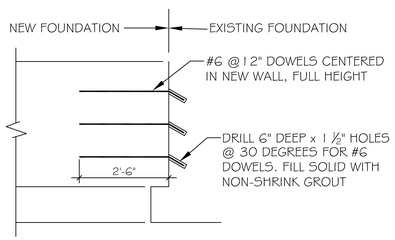
SHEET A.9 OF 13



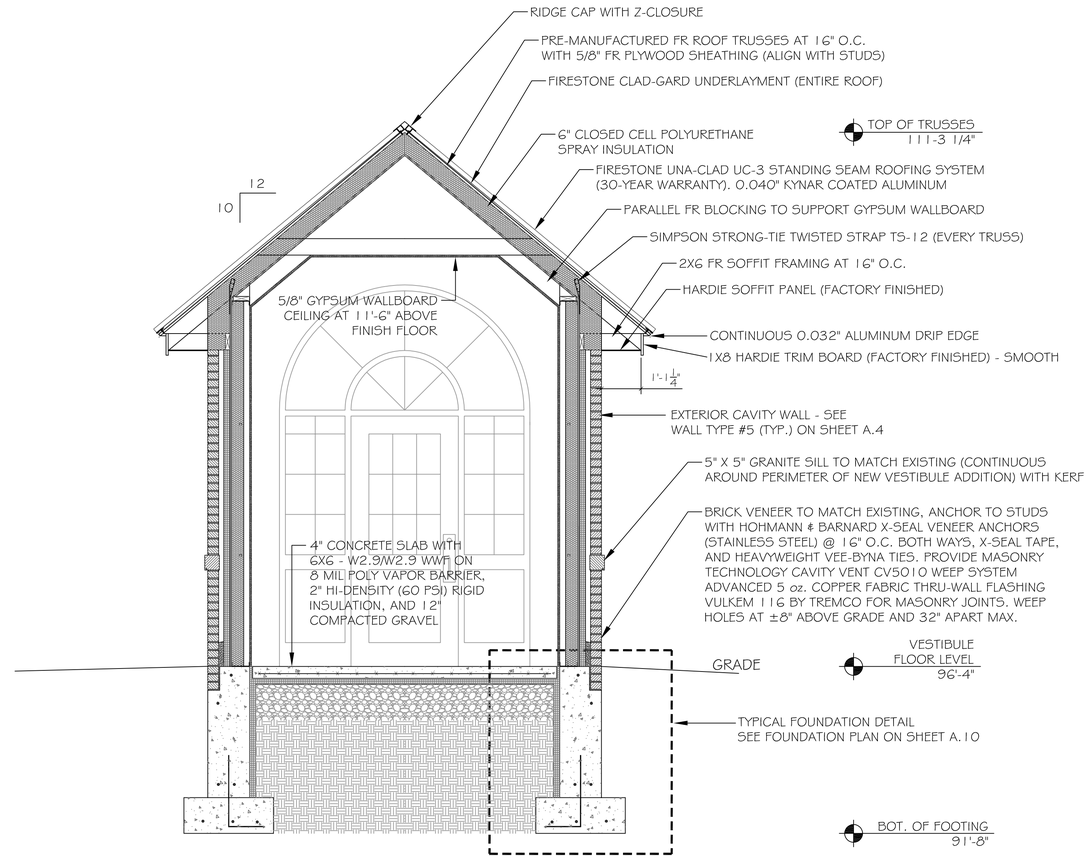
VESTIBULE ROOF PLAN
1/4"= 1'-0"



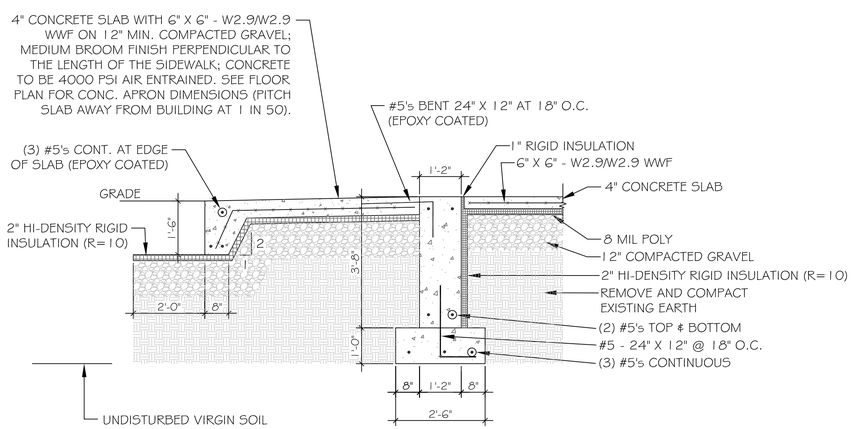
VESTIBULE FOUNDATION PLAN
1/4"= 1'-0"



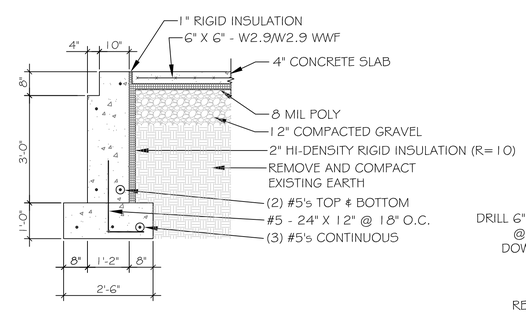
5 A.10 FOUNDATION TIE-IN DETAIL
1/2"= 1'-0"



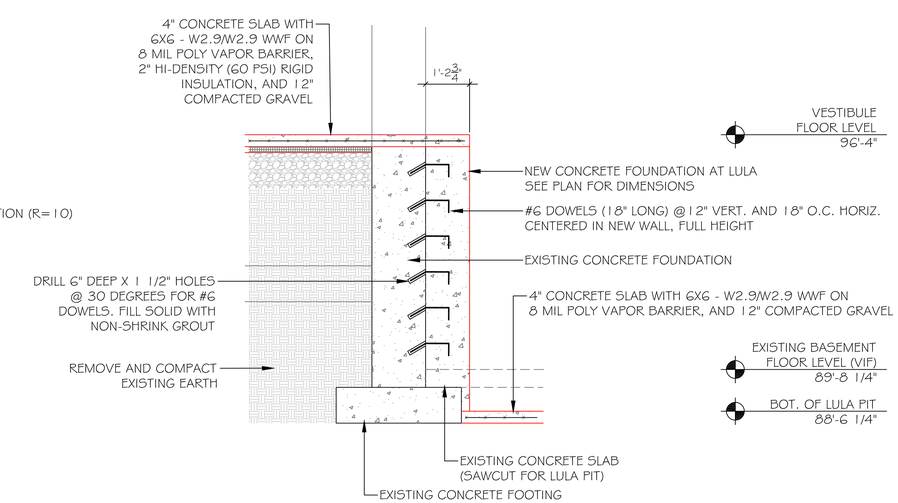
A A.10 VESTIBULE SECTION
1/2"= 1'-0"



6 A.10 SLAB AT DOOR DETAIL
1/2"= 1'-0"



7 A.10 TYPICAL FOUNDATION DETAIL
1/2"= 1'-0"



8 A.10 LULA FOUNDATION DETAIL
1/2"= 1'-0"

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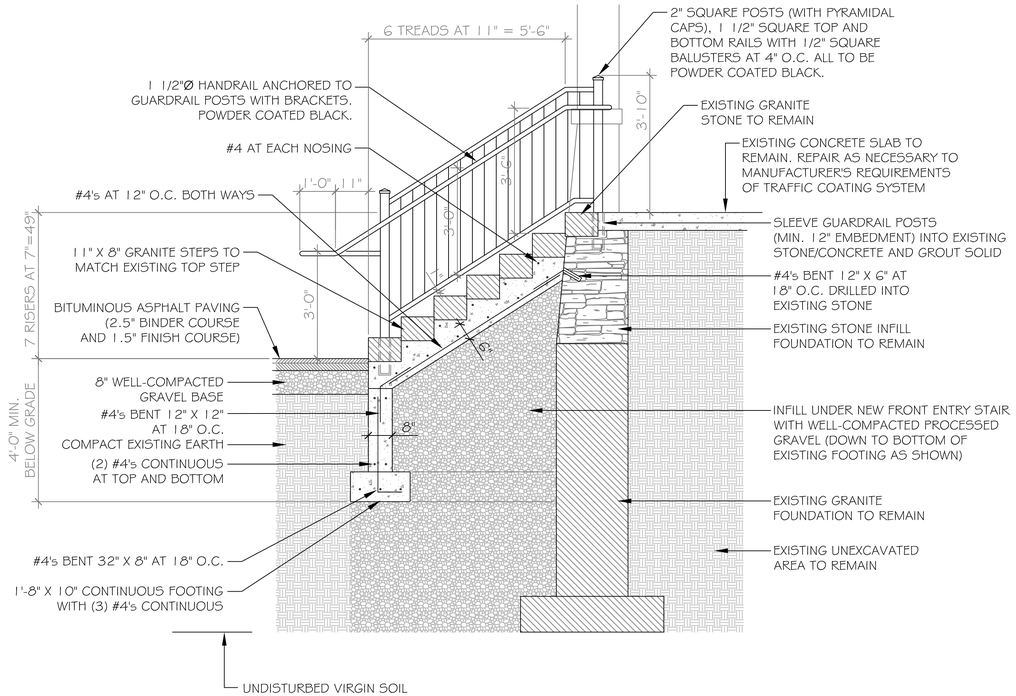
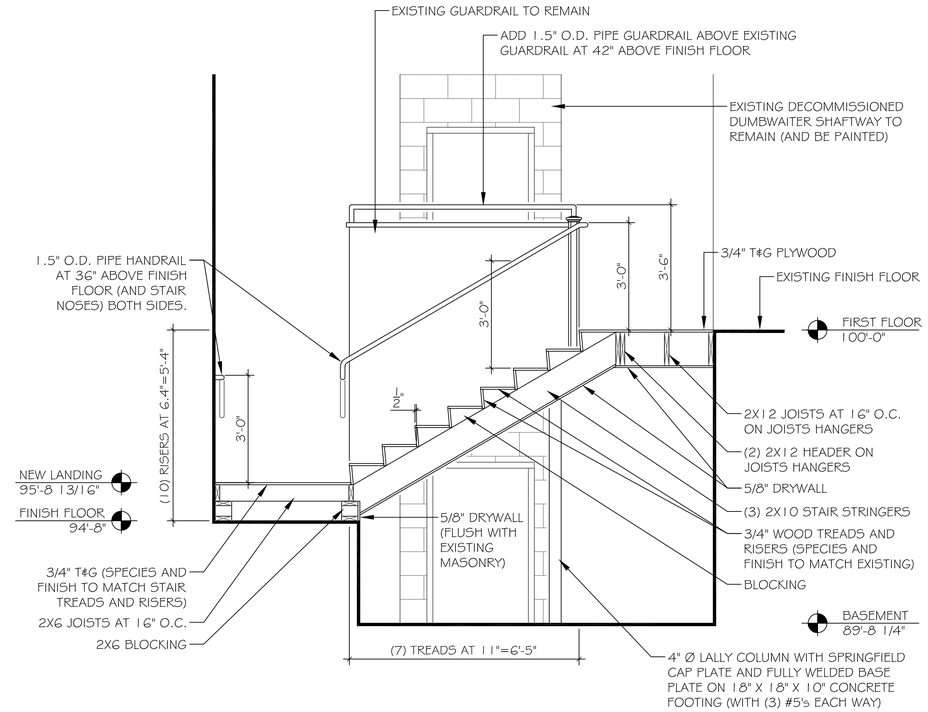
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

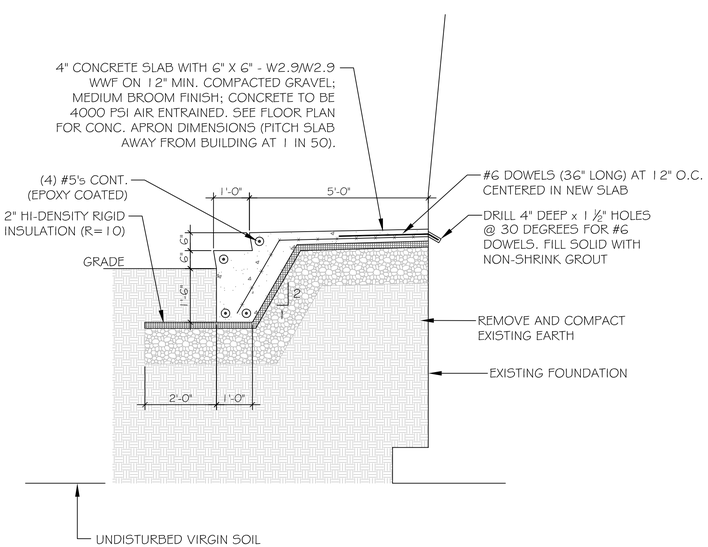
SHEET A.10 OF 13



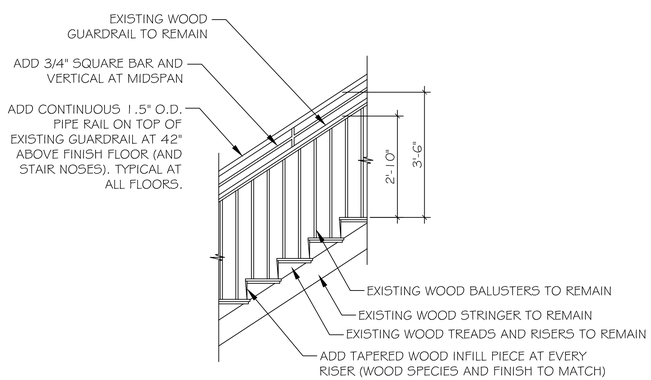
B / A.11 EXTERIOR STAIR SECTION
1/2"=1'-0"



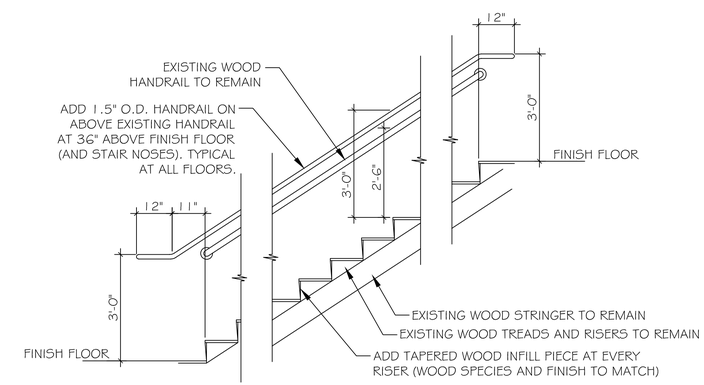
C / A.11 EXTERIOR STAIR SECTION
1/2"=1'-0"



D / A.11 EXTERIOR STAIR SECTION
1/2"=1'-0"



9 / A.11 GUARDRAIL DETAIL
1/2"=1'-0"



10 / A.11 HANDRAIL DETAIL
1/2"=1'-0"

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PROJ. ARCH. RSB			
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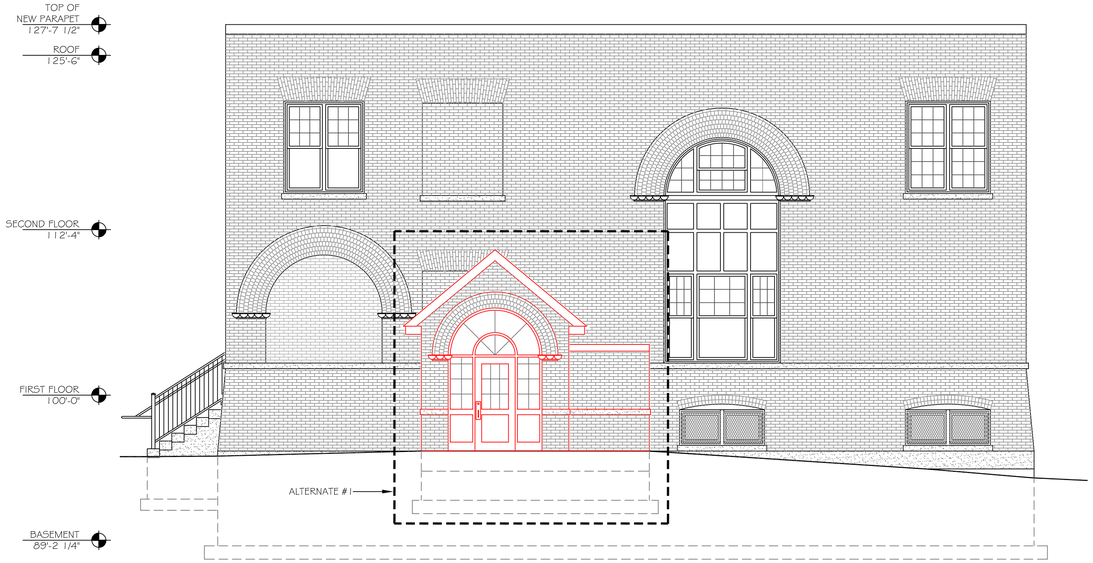
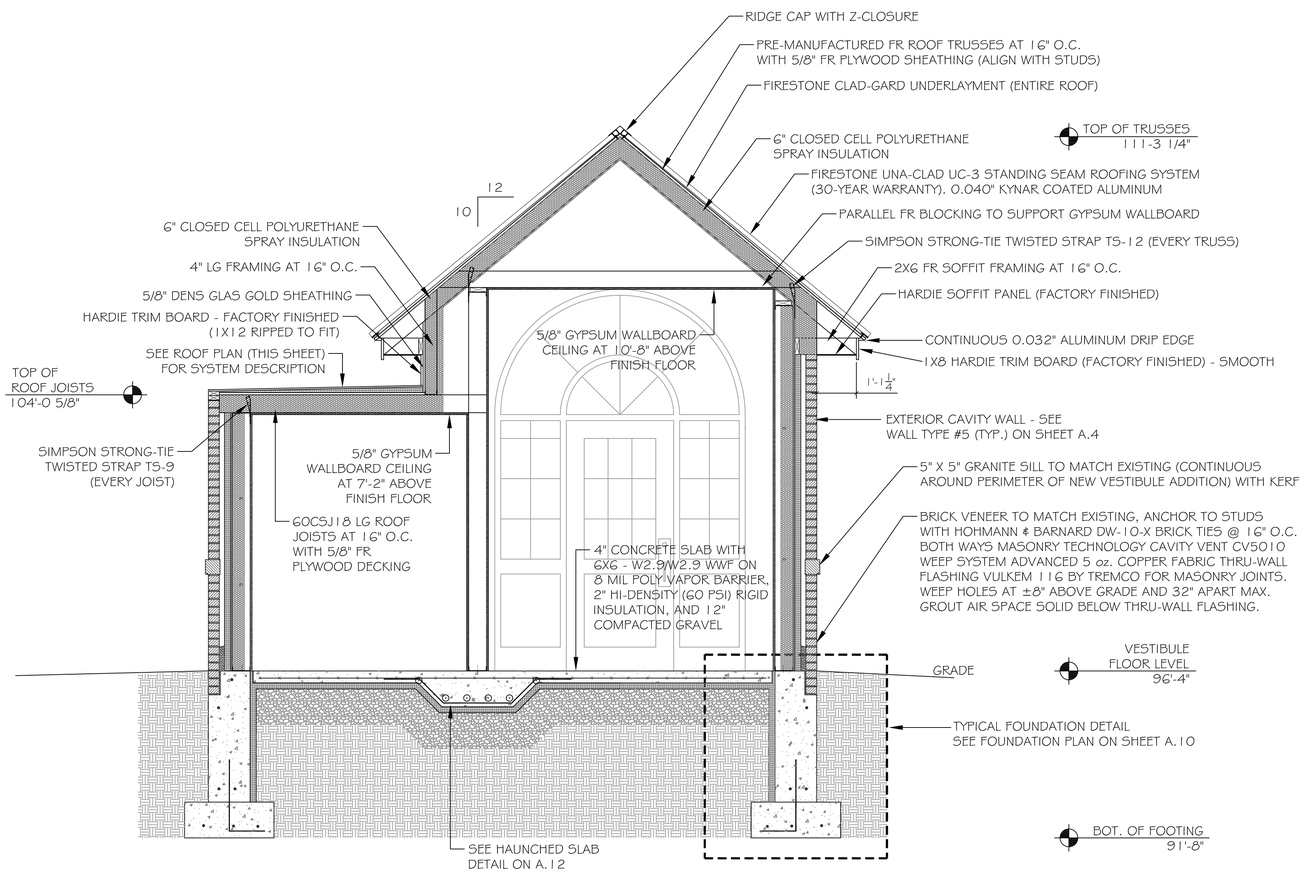
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

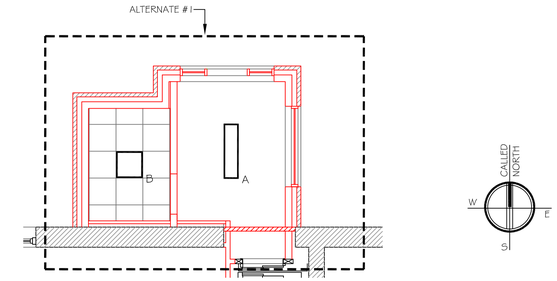
SHEET A.11 OF 13



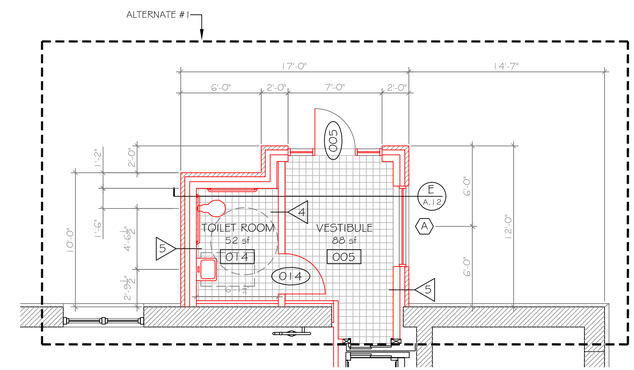
NORTH ELEVATION - ALTERNATE #1
3/16"= 1'-0"



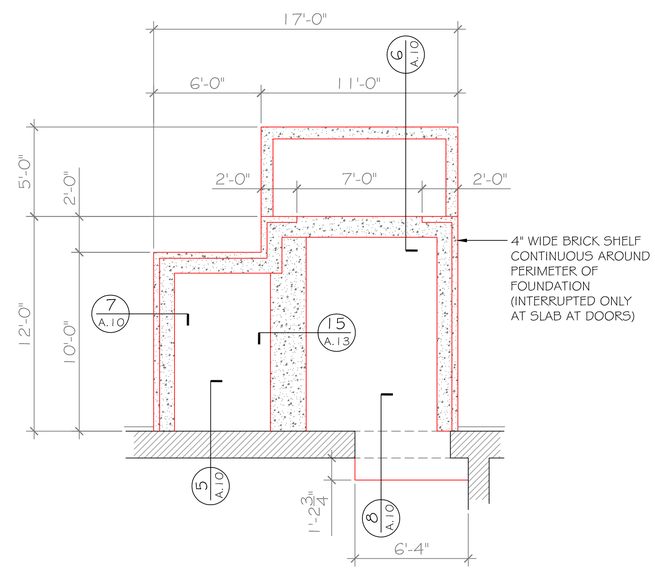
E / A.12 VESTIBULE SECTION - ALTERNATE #1
1/2"= 1'-0"



PARTIAL BASEMENT REFLECTED CEILING PLAN - ALTERNATE #1
3/16"= 1'-0"



PARTIAL BASEMENT FLOOR PLAN - ALTERNATE #1
3/16"= 1'-0"



VESTIBULE FOUNDATION PLAN - ALTERNATE #1
1/4"= 1'-0"

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WILBRAHAM, MA 01095
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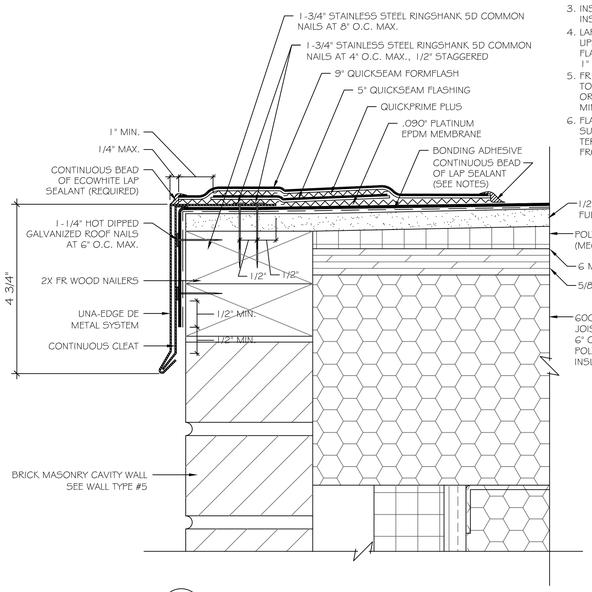
PROJECT MANGR.		
PROJ. ARCHITECT:	RSB	07.17.15
DATE:		
PROJECT No. 15-06-01		

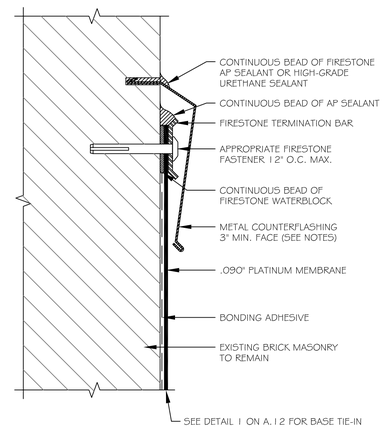
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET A.12 OF 13



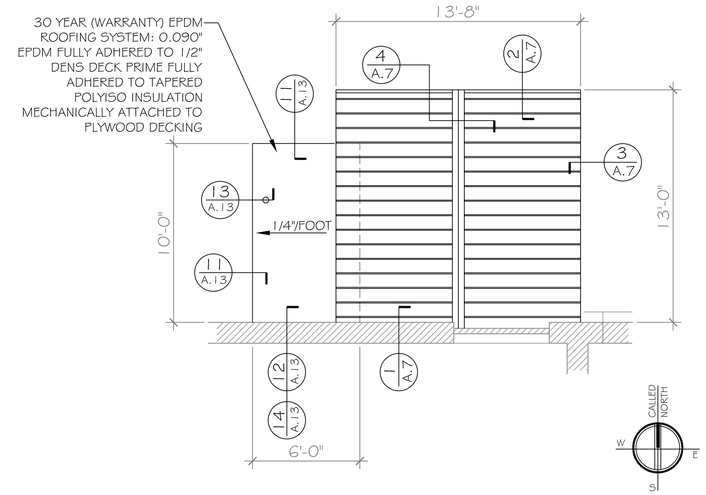
NOTES:
1. REFER TO MANUFACTURER'S WEBSITE FOR MOST CURRENT INFORMATION.
2. 9" QUICKSEAM FORMFLASH MUST EXTEND TO WITHIN 1/4" OF THE METAL EDGE.
3. INSTALL METAL WORK TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. LAP SEALANT IS REQUIRED ALONG UPSLOPE EDGE OF QUICKSEAM FLASHING WHEN ROOF SLOPE IS 1" PER FOOT OR GREATER.
5. FR WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.
6. FLANGE OF METAL MUST BE FULLY SUPPORTED BY WOOD AND TERMINATED AT LEAST 1/2" FROM EDGE OF WOOD.

11 / A.13 ROOF EDGE DETAIL - ALTERNATE #1
NO SCALE

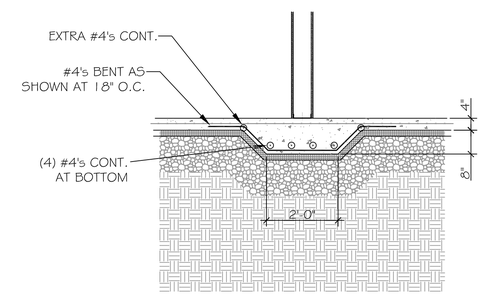


NOTES:
1. REFER TO MANUFACTURER'S WEBSITE FOR MOST CURRENT INFORMATION.
2. WATER BLOCK APPLIED AT THE RATE OF 10 LINEAR FEET PER TUBE.
3. METAL COUNTERFLASHING SHALL BE 24 GAUGE PRE-FINISHED STEEL OR .032" MIN. ALUMINUM FORMED WITH HEMMED LOWER EDGE.
4. INSTALL FIRESTONE TERMINATION BAR WITH 1/4" GAP BETWEEN ADJOINING SECTIONS.
5. TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND AROUND CORNERS.
6. TERMINATION BAR MUST BE FASTENED WITHIN 1" MAX. OF ALL SECTION ENDS.
7. INSTALL METAL WORK IN ACCORDANCE WITH CURRENT SMACNA RECOMMENDATIONS.

12 / A.13 CUT-IN REGLET DETAIL - ALTERNATE #1
NO SCALE

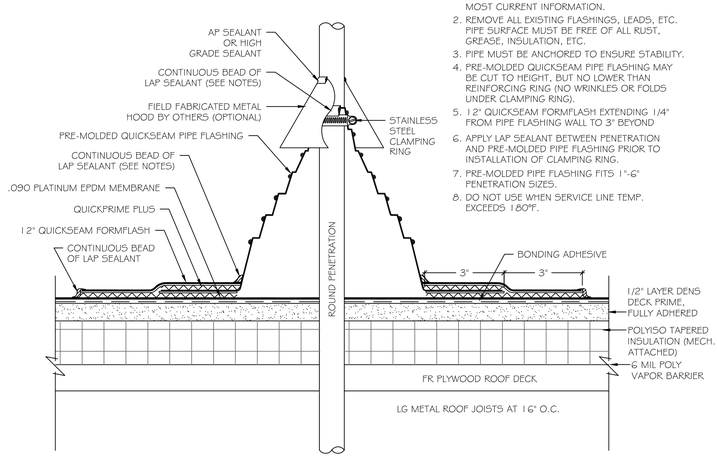


VESTIBULE ROOF PLAN - ALTERNATE #1
1/4"=1'-0"

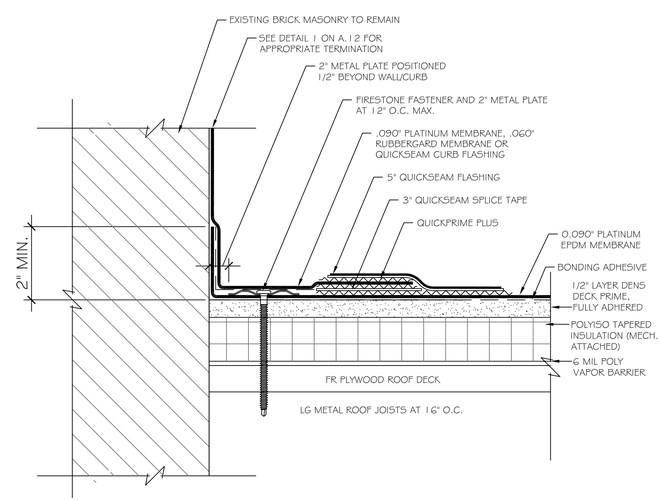


15 / A.13 HAUNCHED SLAB DETAIL - ALTERNATE #1
1/2"=1'-0"

NOTES:
1. REFER TO MANUFACTURER'S WEBSITE FOR MOST CURRENT INFORMATION.
2. REMOVE ALL EXISTING FLASHINGS, LEADS, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
3. PIPE MUST BE ANCHORED TO ENSURE STABILITY.
4. PRE-MOLDED QUICKSEAM PIPE FLASHING MAY BE CUT TO HEIGHT, BUT NO LOWER THAN REINFORCING RING (NO WRINKLES OR FOLDS UNDER CLAMPING RING).
5. 12" QUICKSEAM FORMFLASH EXTENDING 1/4" FROM PIPE FLASHING WALL TO 3" BEYOND
6. APPLY LAP SEALANT BETWEEN PENETRATION AND PRE-MOLDED PIPE FLASHING PRIOR TO INSTALLATION OF CLAMPING RING.
7. PRE-MOLDED PIPE FLASHING FITS 1"-6" PENETRATION SIZES.
8. DO NOT USE WHEN SERVICE LINE TEMP. EXCEEDS 180°F.



13 / A.13 PLUMBING VENT DETAIL - ALTERNATE #1
NO SCALE



14 / A.13 BASE TIE-IN DETAIL - ALTERNATE #1
NO SCALE

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RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET
A.13 13 OF

SPRINKLER SPECIFICATIONS	
●	CONCEALED PENDENT SPRINKLER, QUICK RESPONSE, 155°F LINK, 1/2" ORIFICE, WHITE FINISH, K=5.6 TYCO MODEL RFII
○	UPRIGHT SPRINKLER, QUICK RESPONSE, 155°F LINK, BRASS FINISH, K=5.6 TYCO MODEL TY-FRB
○ 286°	UPRIGHT SPRINKLER, QUICK RESPONSE, 286°F LINK, BRASS FINISH, K=5.6 TYCO MODEL TY-FRB
○D	DRY UPRIGHT SPRINKLER, QUICK RESPONSE, 200°F LINK, BRASS FINISH, K=5.6 TYCO MODEL DS-1
◀D	DRY SIDEWALL SPRINKLER, QUICK RESPONSE, 155°F LINK, WHITE FINISH, K=5.6 TYCO MODEL DS-1
◀SD	EXTENDED COVERAGE DRY SIDEWALL SPRINKLER, QUICK RESPONSE, 155°F LINK, WHITE FINISH, K=5.6 TYCO MODEL DS-1 EXT. COVER.
⊗	CONCEALED COMBUSTIBLE SPRINKLER, 200°F LINK, BRASS FINISH, K=5.6 TYCO MODEL CC3

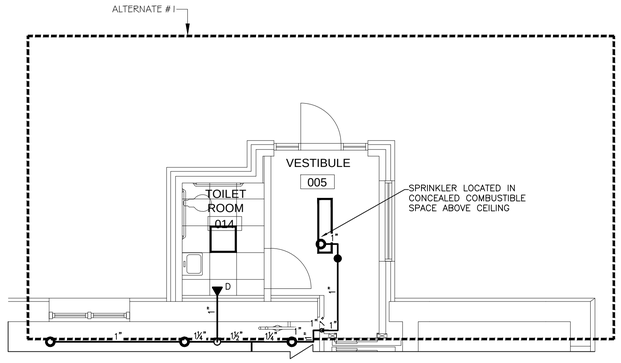
GENERAL NOTES:

1. FIRE PROTECTION CONTRACTOR SHALL INSTALL NEW WET FIRE PROTECTION SYSTEM IN ACCORDANCE WITH NFPA13-2013 AND MASSACHUSETTS STATE BUILDING CODE.
2. ALL AREAS ARE LIGHT HAZARD UNLESS OTHERWISE SPECIFIED.
3. TO THE MAXIMUM EXTENT POSSIBLE ALL PIPING SHALL BE ARRANGED TO DRAIN BACK TO THE RISERS. IN THE EVENT THAT THE PIPING CANNOT BE DRAINED BACK TO THE RISERS AUXILIARY DRAINS SHALL BE PROVIDED.
4. THE OWNER IS RESPONSIBLE FOR MAINTAINING MINIMUM TEMPERATURE OF 40 DEGREES F IN ALL SPACES WITH WET SPRINKLERS.
5. ALL SPRINKLERS ARE AS SCHEDULED.
6. ALL WORK SHALL BE SEISMICALLY BRACED IN ACCORDANCE WITH NFPA13.
7. FIRE PROTECTION CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SIGNED BY A MASSACHUSETTS REGISTERED FIRE PROTECTION ENGINEER FOR APPROVAL.

LEGEND

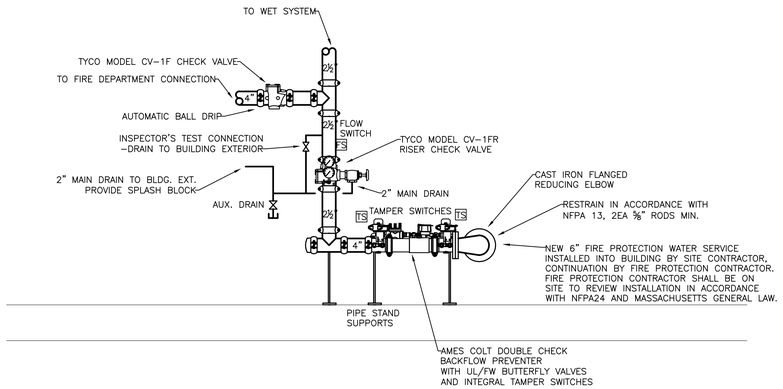
WET SPRINKLER LINE

RETURN BEND



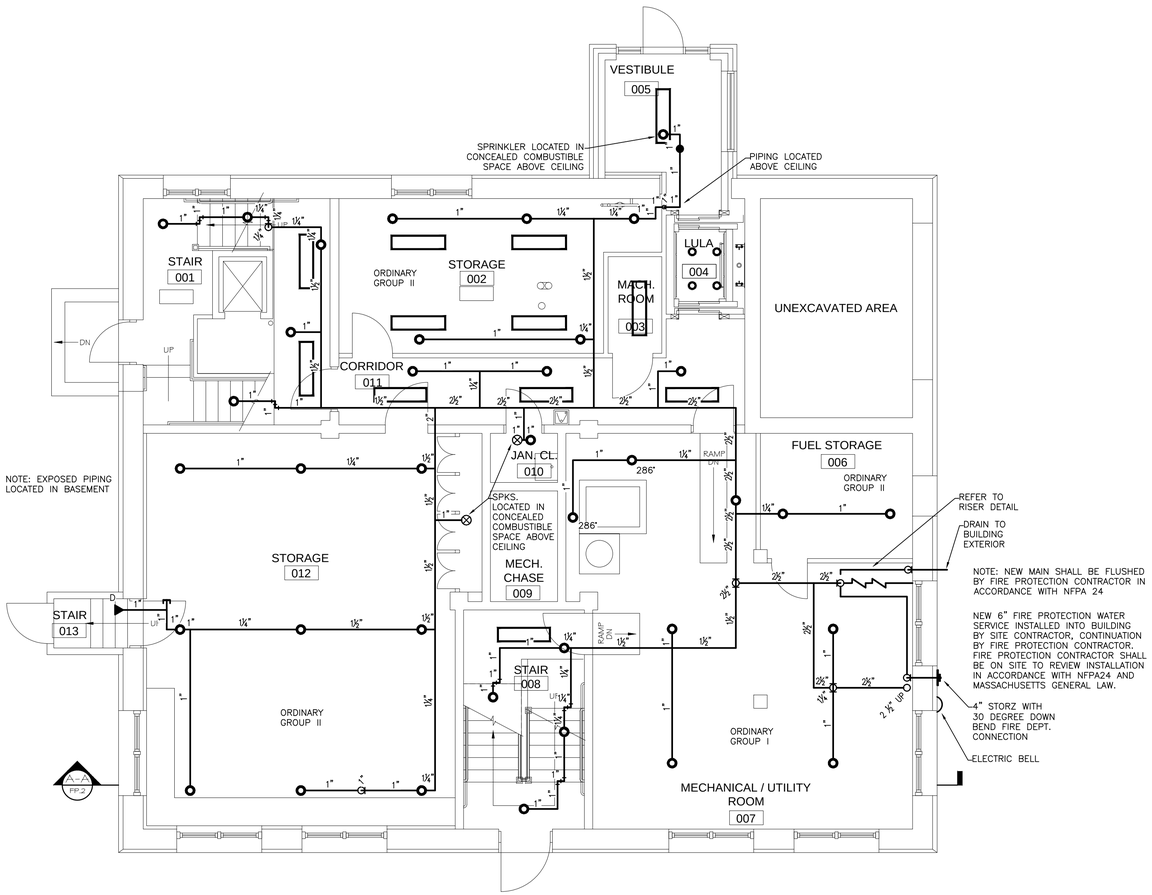
ALTERNATE - PARTIAL FIRE PROTECTION BASEMENT FLOOR PLAN

SCALE: 3/16"=1'-0"



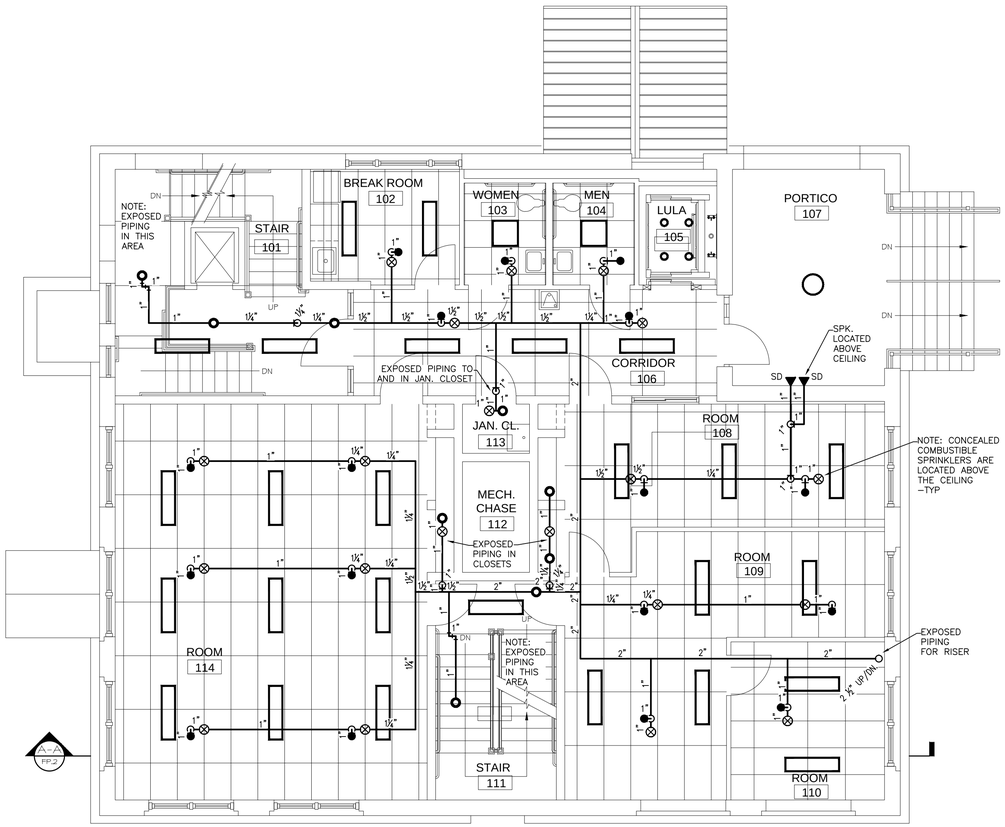
RISER DETAIL

NOT TO SCALE



FIRE PROTECTION BASEMENT FLOOR PLAN

SCALE: 3/16"=1'-0"



FIRE PROTECTION FIRST FLOOR PLAN

SCALE: 3/16"=1'-0"

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WILBRAHAM, MA 01095
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FAX 413.596.2360

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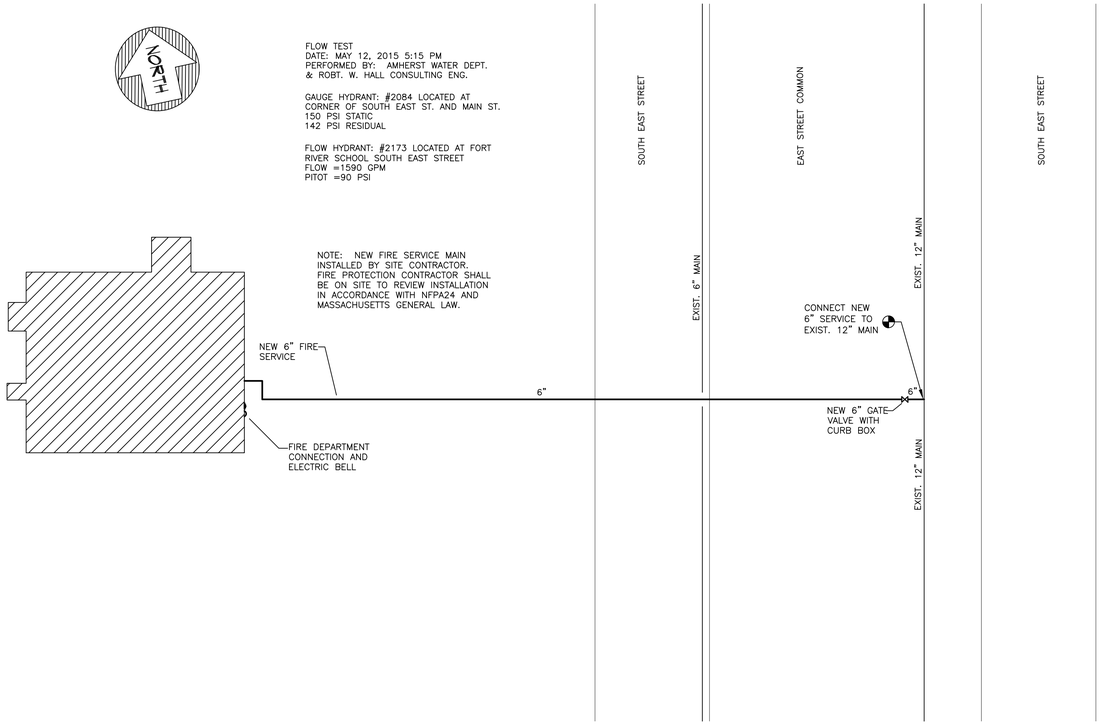
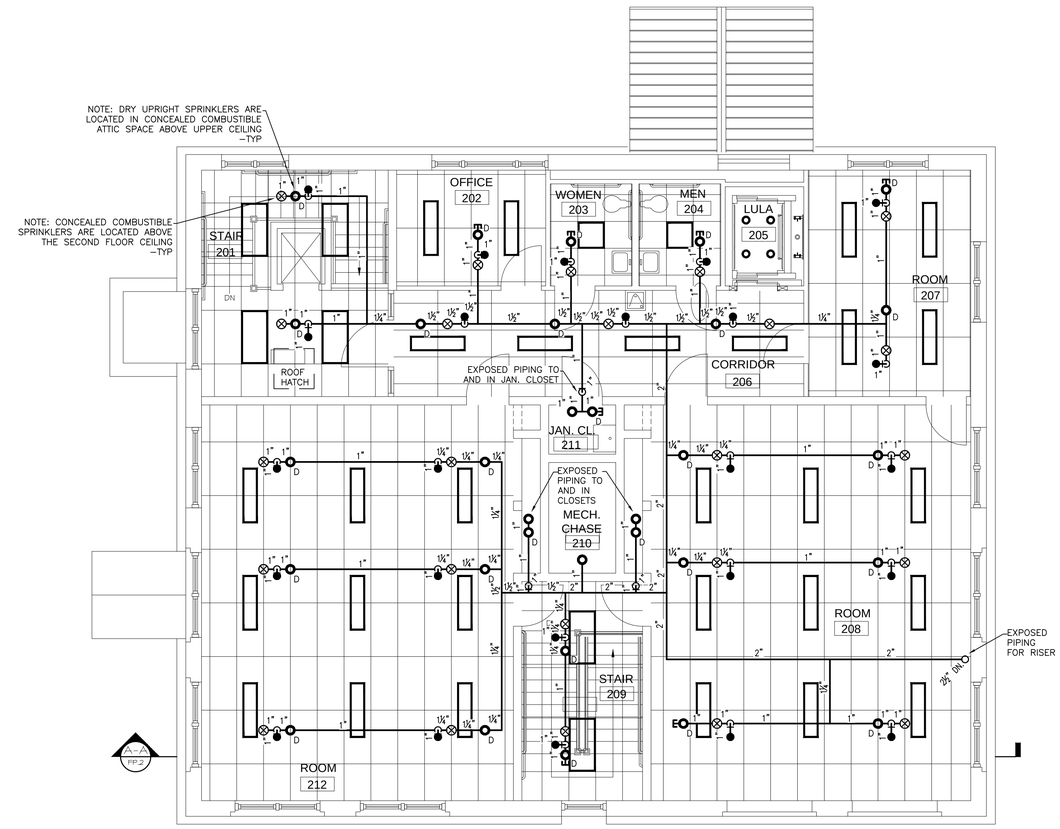
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET FP.1 2 OF



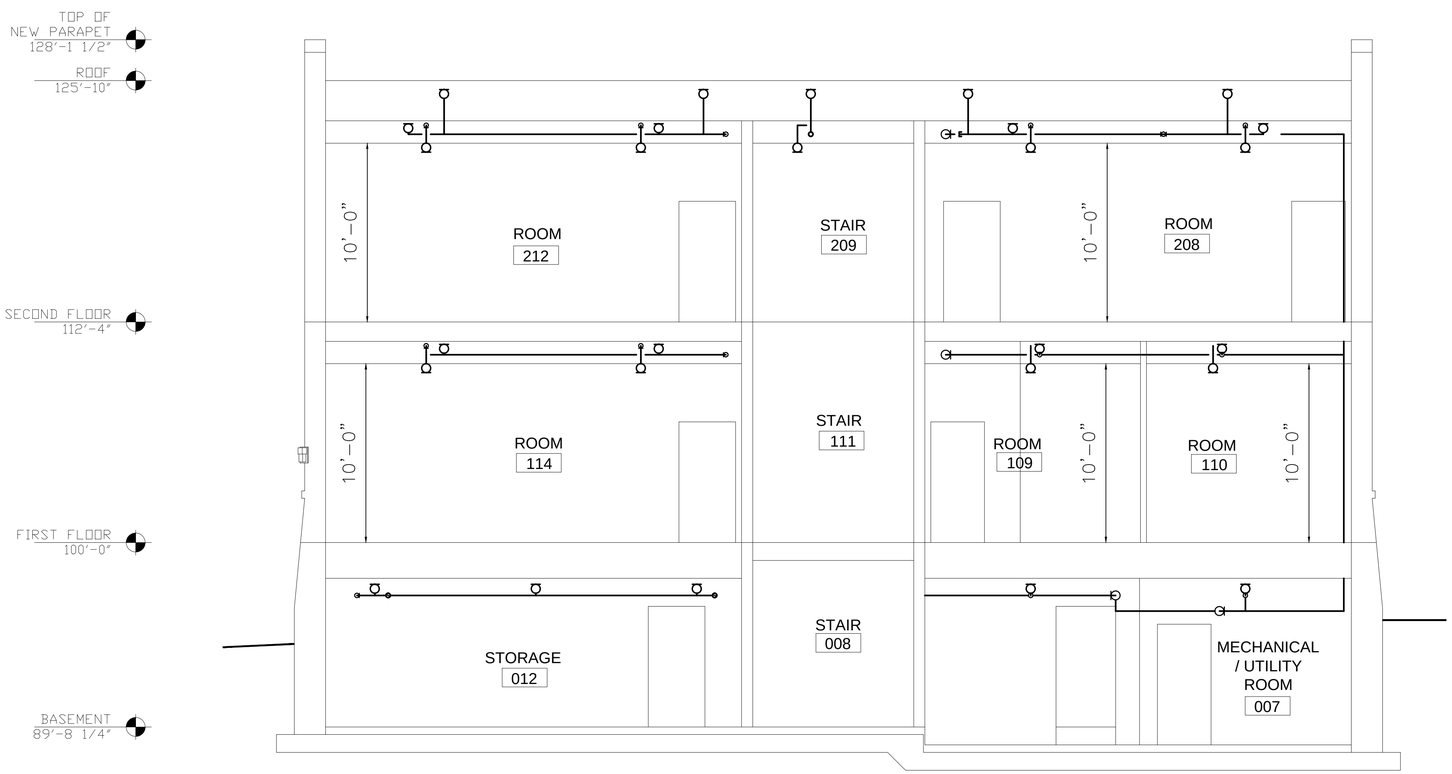
FIRE PROTECTION SITE PLAN

NOT TO SCALE



FIRE PROTECTION SECOND FLOOR PLAN

SCALE: 3/16"=1'-0"



SECTION A-A

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

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RENOVATIONS TO:
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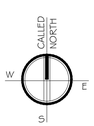
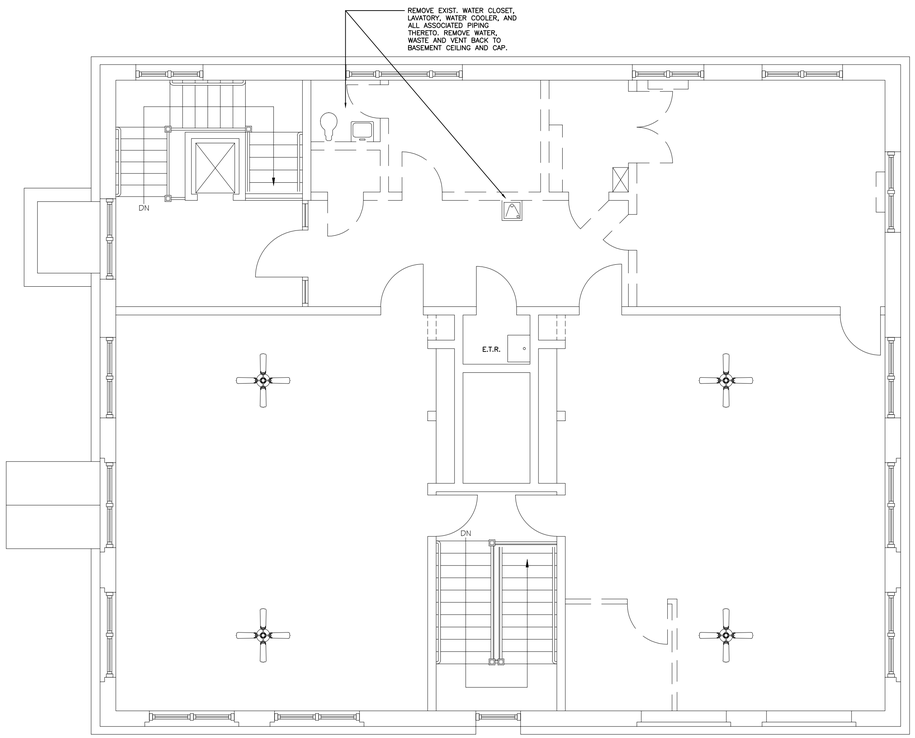
31 SOUTH EAST STREET
AMHERST, MA 01002

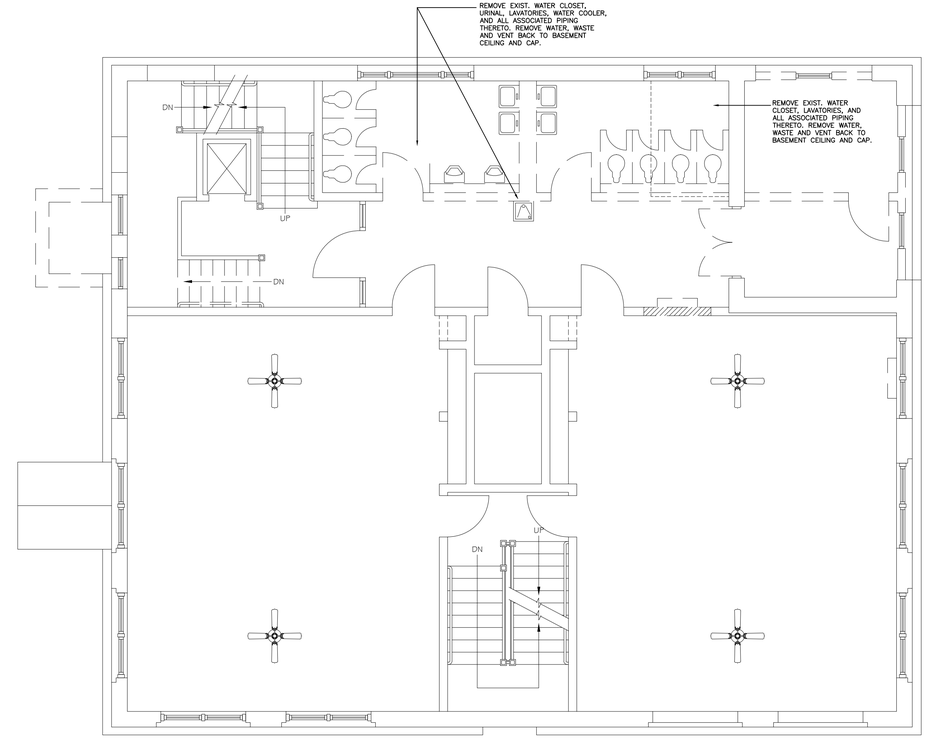


SHEET FP.2 2 OF



SECOND FLOOR PLAN - DEMOLITION

SCALE: 3/16"=1'-0"



FIRST FLOOR PLAN - DEMOLITION

SCALE: 3/16"=1'-0"

PLUMBING SYMBOL LIST		
	CW	COLD WATER PIPING
	HW	HOT WATER PIPING
		VENT PIPING ABOVE SLAB
		VENT PIPING BELOW SLAB
		SOIL OR WASTE ABOVE SLAB
		SOIL OR WASTE BELOW SLAB
	DN	INDICATES DROP POINT OF PIPING
	UP	INDICATES PIPING RISING UP
	FLCO	FLOOR LEVEL CLEANOUT
	CO	CLEANOUT
	BV	BALL VALVE
		VENT PIPING ABOVE SLAB

FIXTURE CONNECTIONS

	CW	HW	WASTE	VENT	P-TRAP	T/P VALVE
Water Closets	1"		4"	2"		
Lavatories	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	
Water Coolers	1/2"		1 1/4"	1 1/4"	1 1/4"	
Floor Drains	1/2"		3"	2"	3"	1/2"

GENERAL PLUMBING CONSTRUCTION NOTE:

WHERE NEW CONNECTIONS ARE TO BE MADE, ALL EXISTING PIPING SHALL BE VERIFIED IN FIELD FOR EXACT LOCATION AND SIZE.

THE PLUMBING CONTRACTOR IS RESPONSIBLE TO RECONNECT ANY EXISTING FIXTURES TO REMAIN THAT BECOME DISCONNECTED DUE TO THIS RENOVATION.

PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK WITH ALL TRADES.

ALL CUTTING AND PATCHING BY G.C.

MAKE ALL FINAL CONNECTIONS TO ALL NEW EQUIPMENT AND FIXTURES.

PROVIDE SHUT-OFF (BALL TYPE) VALVES ON ALL NEW BRANCH LINES (RISERS), SOME LOCATIONS SHOWN ON PLAN.

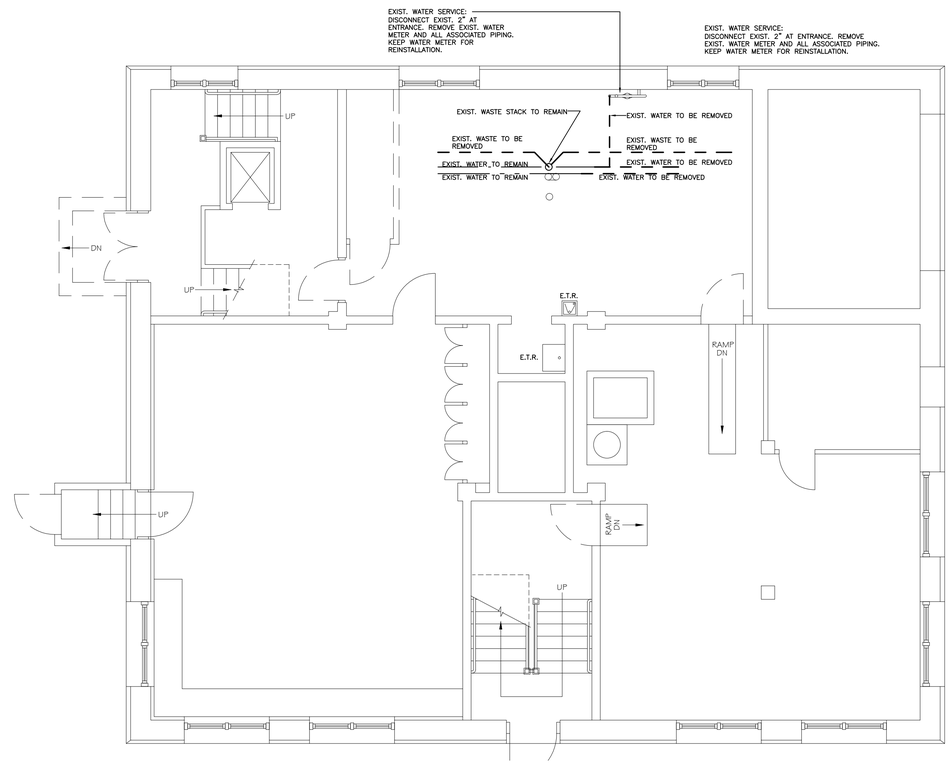
PROVIDE ISOLATION VALVES ON ALL NEW FIXTURES FOR INDIVIDUAL SHUT-OFF.

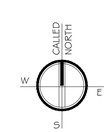
ALL PIPING SHALL PITCHED AS REQUIRED.

ALL PIPING SHALL BE LABELED FOR TYPE AND DIRECTION OF FLOW, AND ALL VALVES SHALL BE TAGGED, WITH MAIN VALVES INDICATED AS SUCH.

BASEMENT PLAN - DEMOLITION

SCALE: 3/16"=1'-0"





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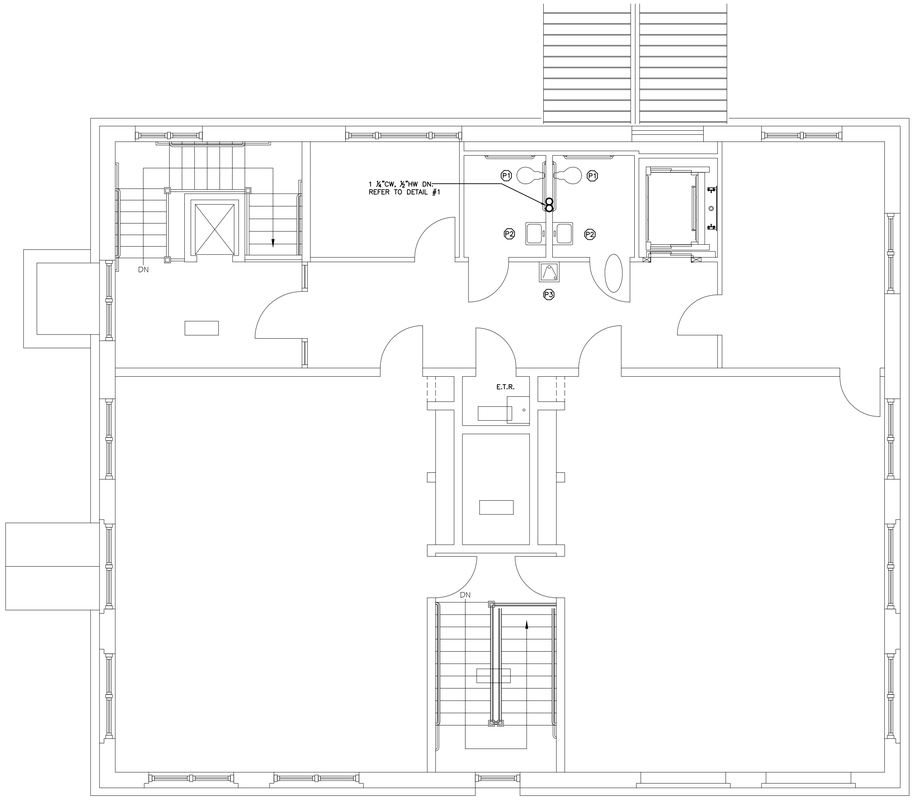
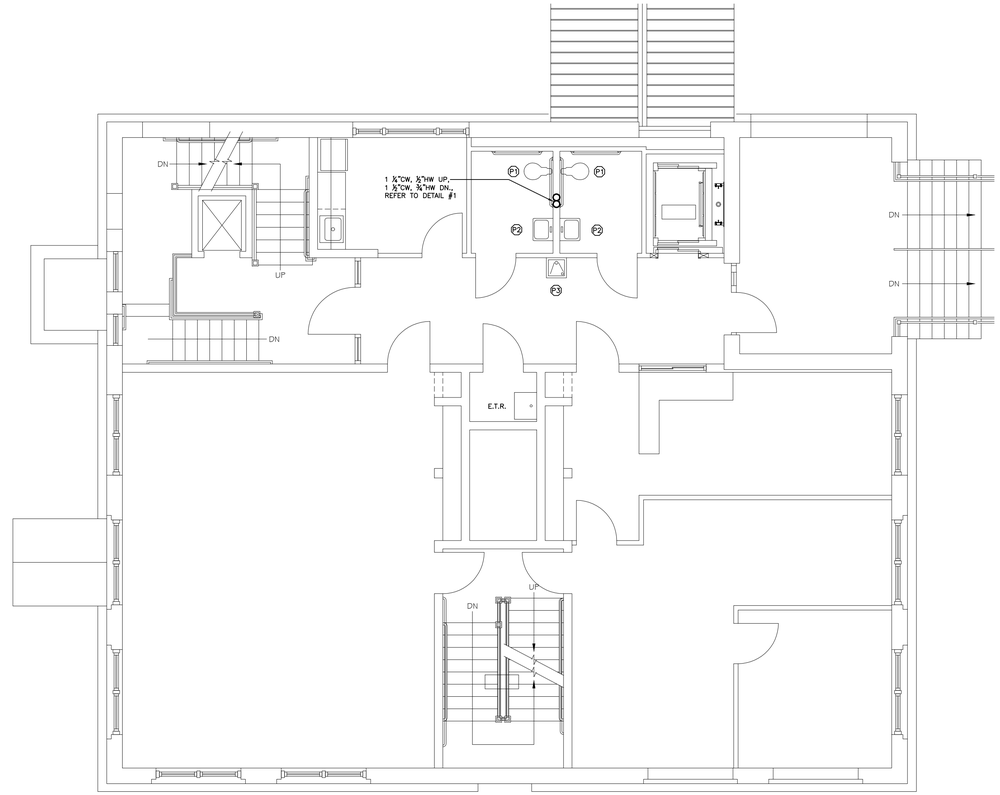
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET P.1 4 OF



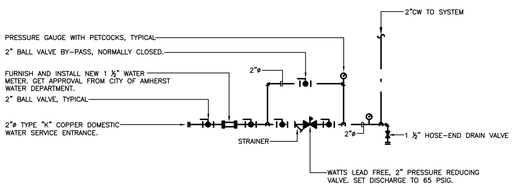
SECOND FLOOR PLAN - NEW WORK

SCALE: 3/16"=1'-0"



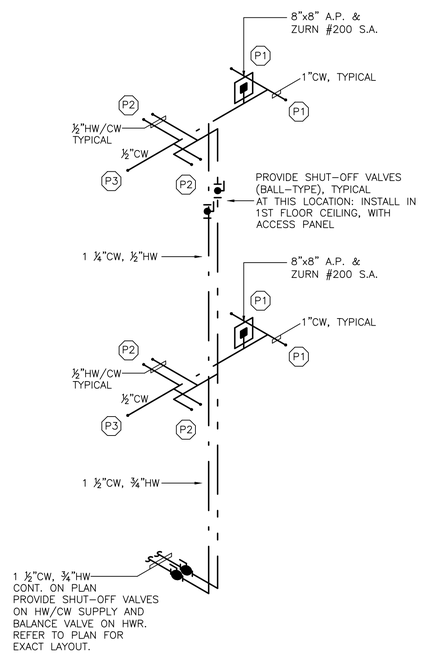
FIRST FLOOR PLAN - NEW WORK

SCALE: 3/16"=1'-0"



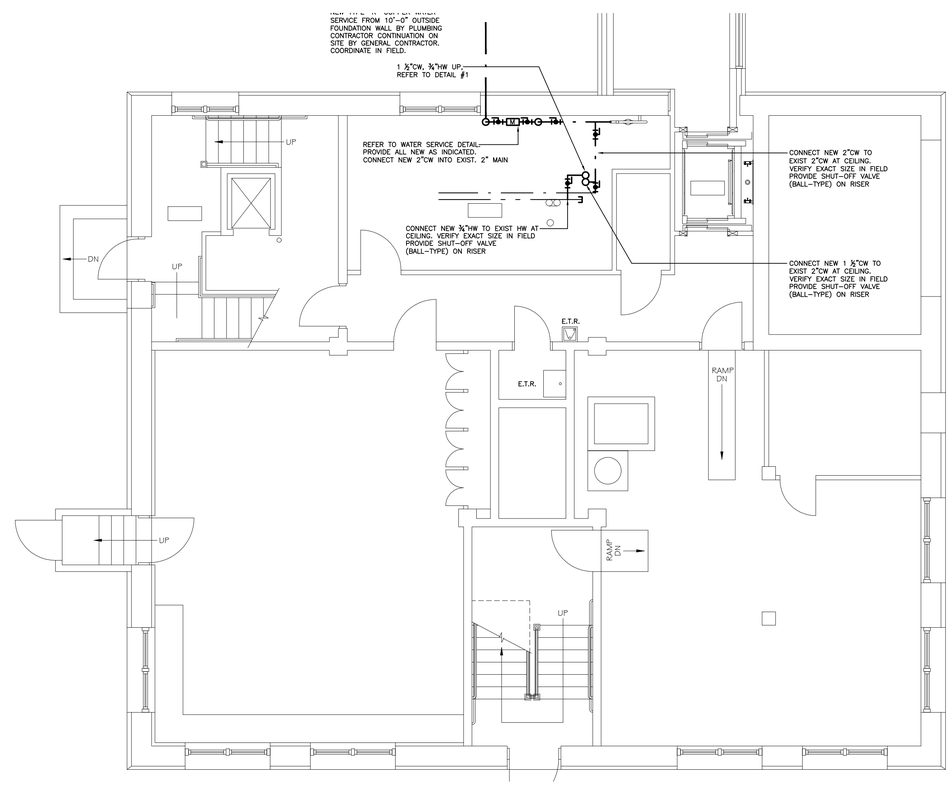
WATER SERVICE PIPING DETAIL

NOT TO SCALE



WATER RISER DETAIL #1

NOT TO SCALE



BASEMENT PLAN - NEW WORK

SCALE: 3/16"=1'-0"

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RENOVATIONS TO:
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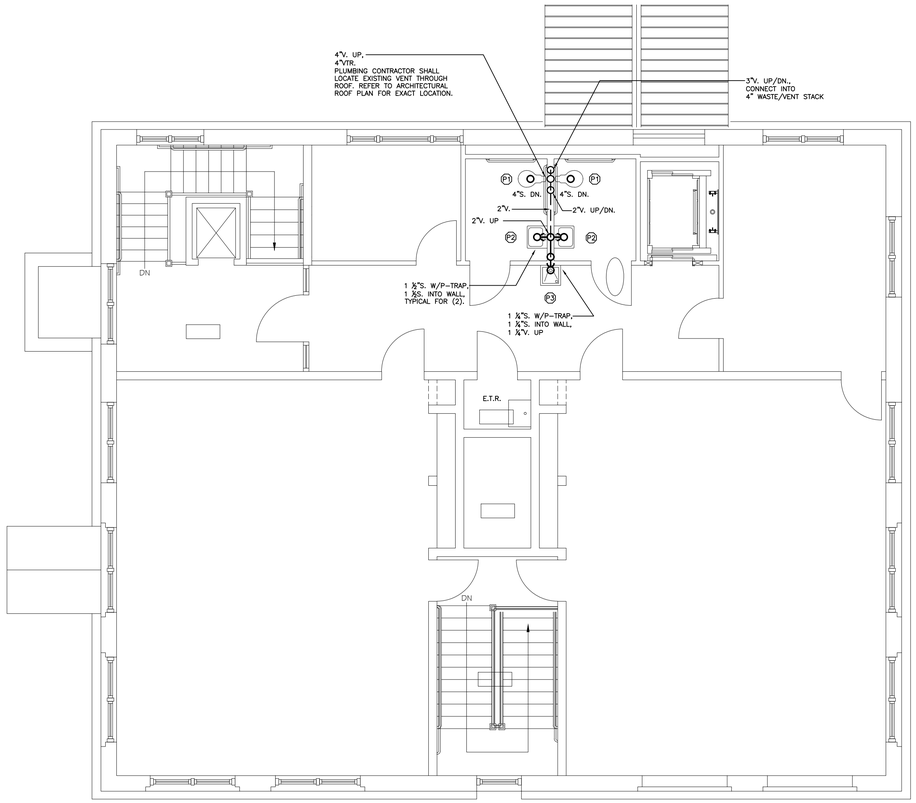
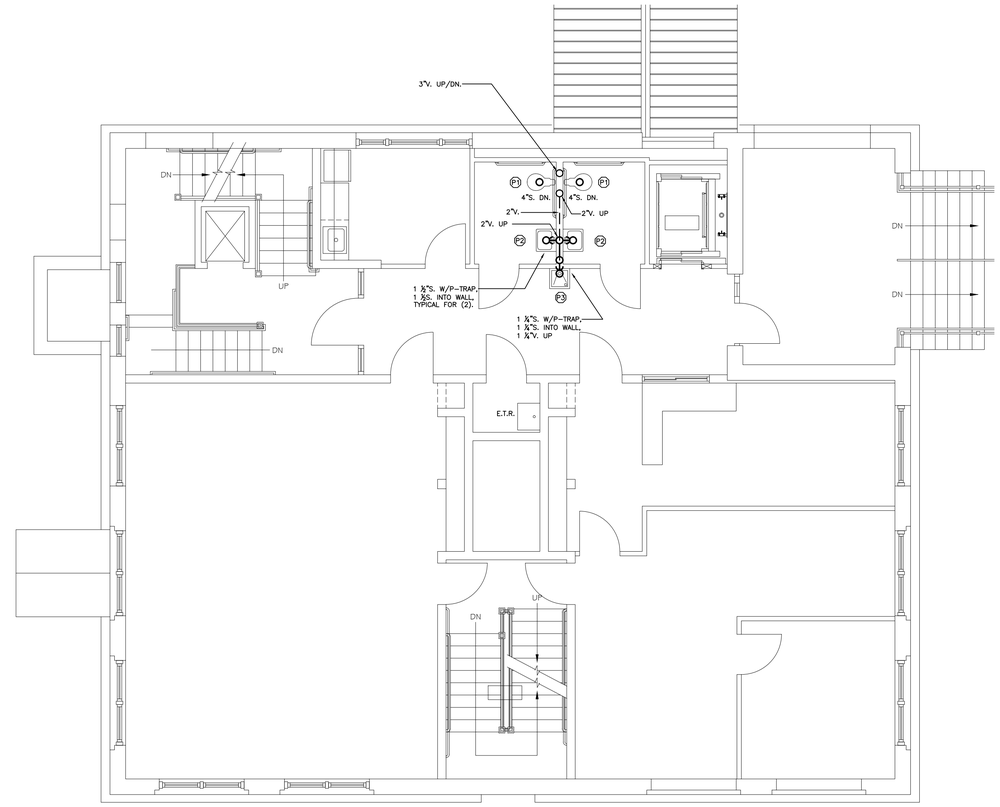
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET P.2 4 OF



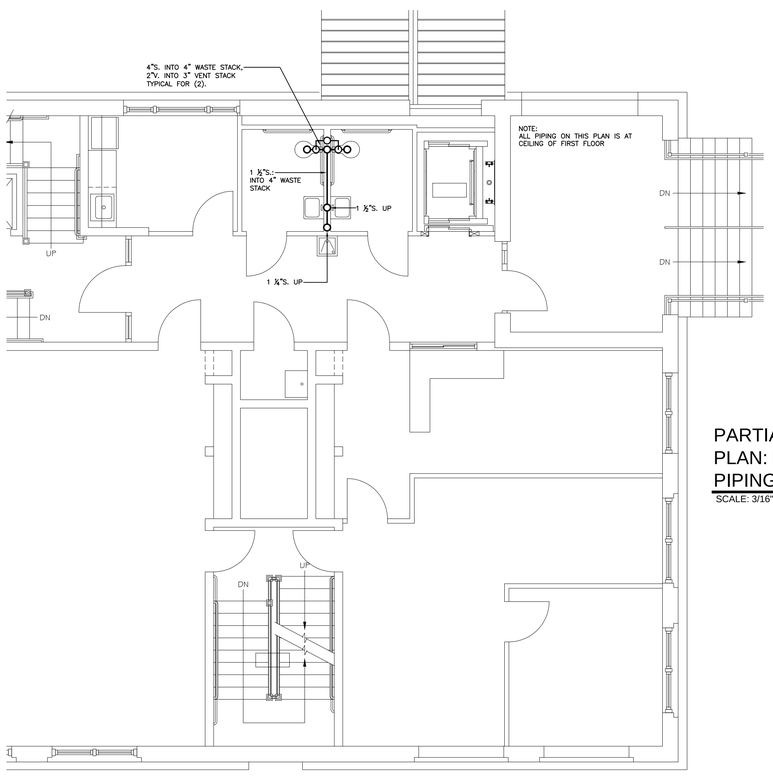
SECOND FLOOR PLAN - NEW WORK

SCALE: 3/16"=1'-0"



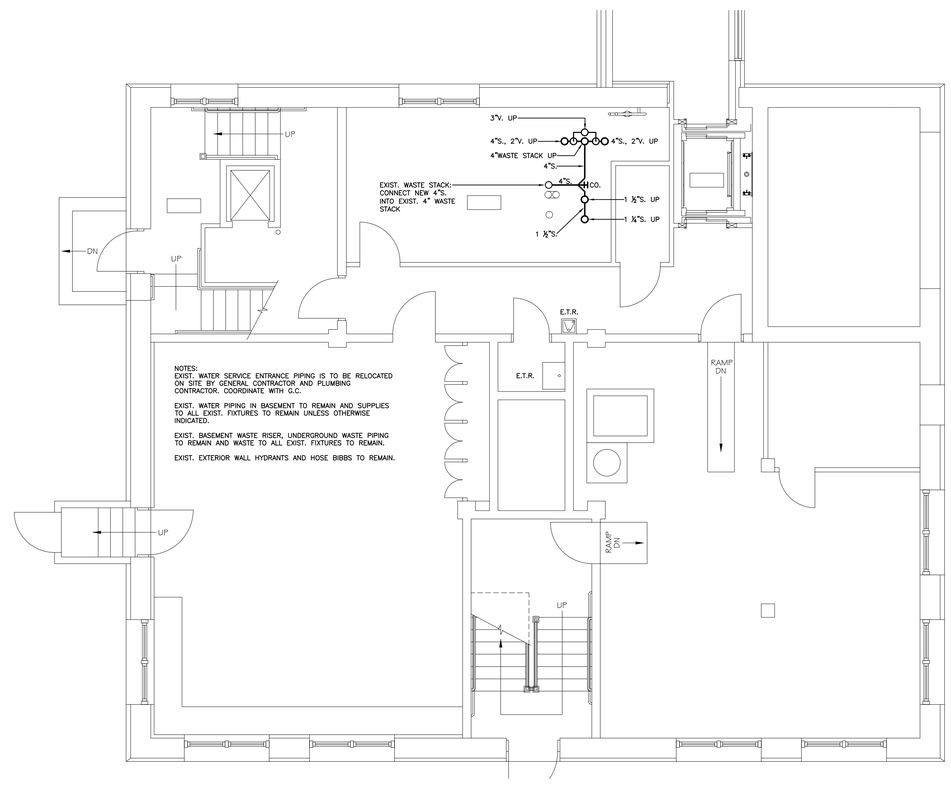
FIRST FLOOR PLAN - NEW WORK

SCALE: 3/16"=1'-0"



PARTIAL FIRST FLOOR PLAN: NEW WORK PIPING AT CEILING

SCALE: 3/16"=1'-0"



NOTES:
EXIST. WATER SERVICE ENTRANCE PIPING IS TO BE RELOCATED ON SITE BY GENERAL CONTRACTOR AND PLUMBING CONTRACTOR. COORDINATE WITH G.C.

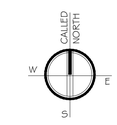
EXIST. WATER PIPING IN BASEMENT TO REMAIN AND SUPPLIES TO ALL EXIST. FIXTURES TO REMAIN UNLESS OTHERWISE INDICATED.

EXIST. BASEMENT WASTE RISER, UNDERGROUND WASTE PIPING TO REMAIN AND WASTE TO ALL EXIST. FIXTURES TO REMAIN.

EXIST. EXTERIOR WALL HYDRANTS AND HOSE BIBBS TO REMAIN.

BASEMENT PLAN - NEW WORK

SCALE: 3/16"=1'-0"



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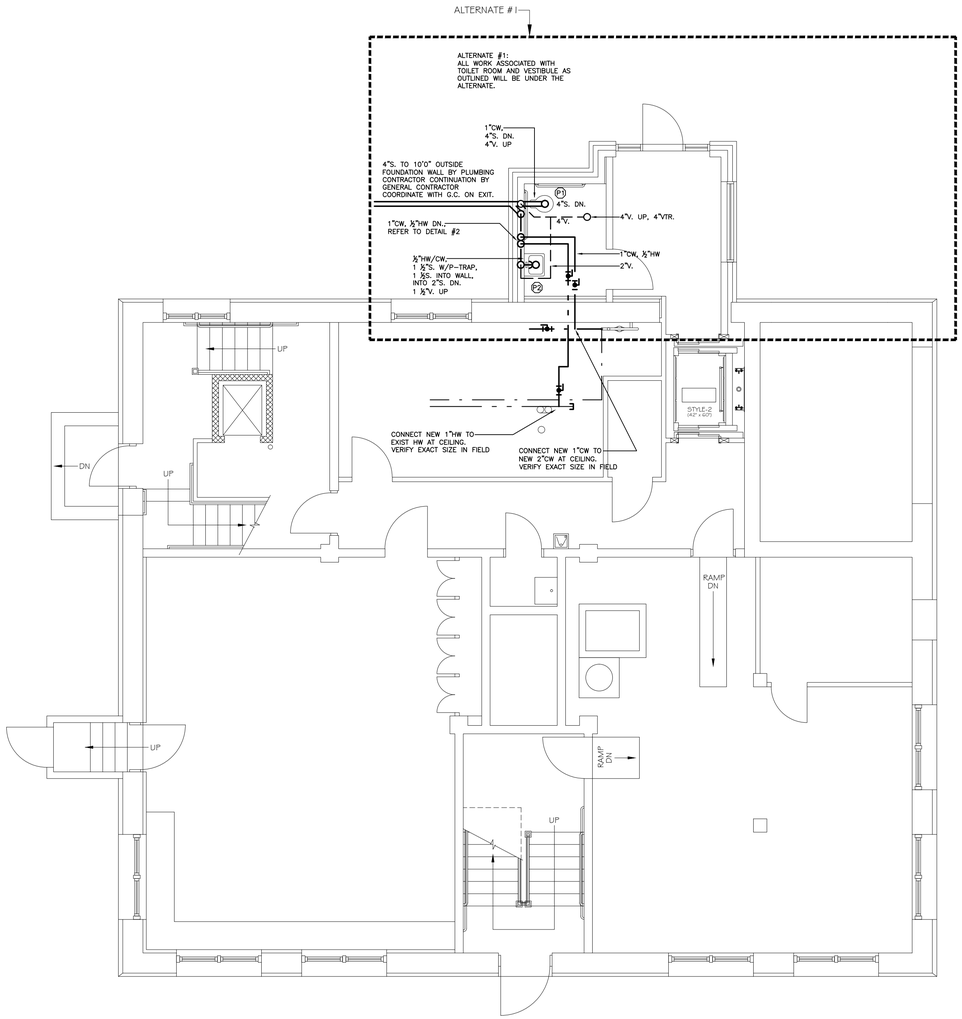
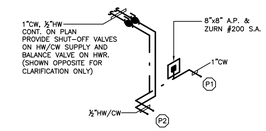
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET P.3 4 OF



FIRST FLOOR PLAN - NEW WORK
ALTERNATE #1
SCALE: 3/16"=1'-0"



WATER RISER DETAIL #2
NOT TO SCALE

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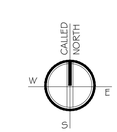
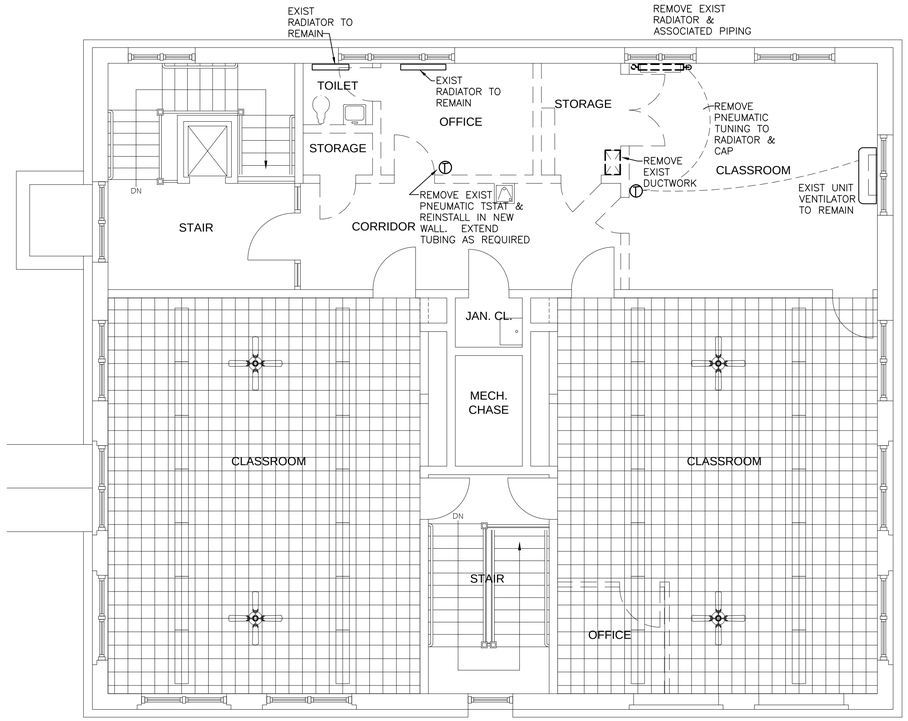
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

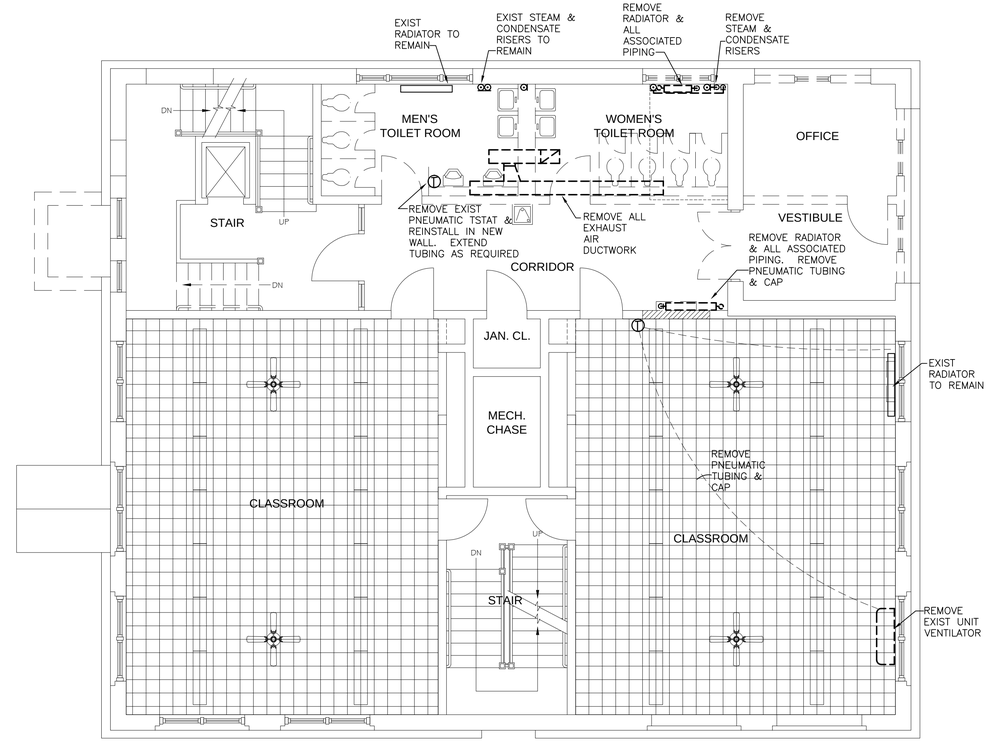


SHEET P.4 OF 4



SECOND FLOOR PLAN - DEMOLITION

SCALE: 3/16"=1'-0"



FIRST FLOOR PLAN - DEMOLITION

SCALE: 3/16"=1'-0"

LEGEND

- DEMOLITION
- EQUIPMENT TAG - DIVISION 16000 CONNECTION REQUIRED
- EQUIPMENT TAG - DIVISION 16000 CONNECTION NOT REQUIRED
- BALL VALVE
- CHECK VALVE
- OS&Y GATE VALVE
- STEAM TRAP
- UNION
- LPS — LOW PRESSURE STEAM
- LPR — LPR PRESSURE RETURN
- CONTROL VALVE
- CONNECT TO EXISTING AT THIS POINT
- LIMIT OF DEMOLITION
- THERMOSTAT

DIFFUSER, REGISTER & GRILLE SCHEDULE

BASED ON PRICE

SYMBOL	SIZE	FUNCTION	MATERIAL	TYPE	FINISH	DAMPER	CFM RANGE	REMARKS
EG-1	6x6 FACE 6"ø NECK	EXHAUST	STEEL	CUT-IN	BY ARCH.	NONE	0 – 100	635
EG-2	6x6 FACE 6"ø NECK	EXHAUST	STEEL	LAY-IN	BY ARCH.	NONE	0 – 100	635

CABINET UNIT HEATER (STEAM)

SYMBOL	ARRANGEMENT	CFM	STEAM COIL DATA					MOTOR DATA			REMARKS
			PRESS	MBH	EAT	LAT	LBS/HR	HP	VOLTS	PHASE	
CUH-1	CEILING RECESSED	230	2	21.0	70	153	22	1/15	110	1	VULCAN RC1200

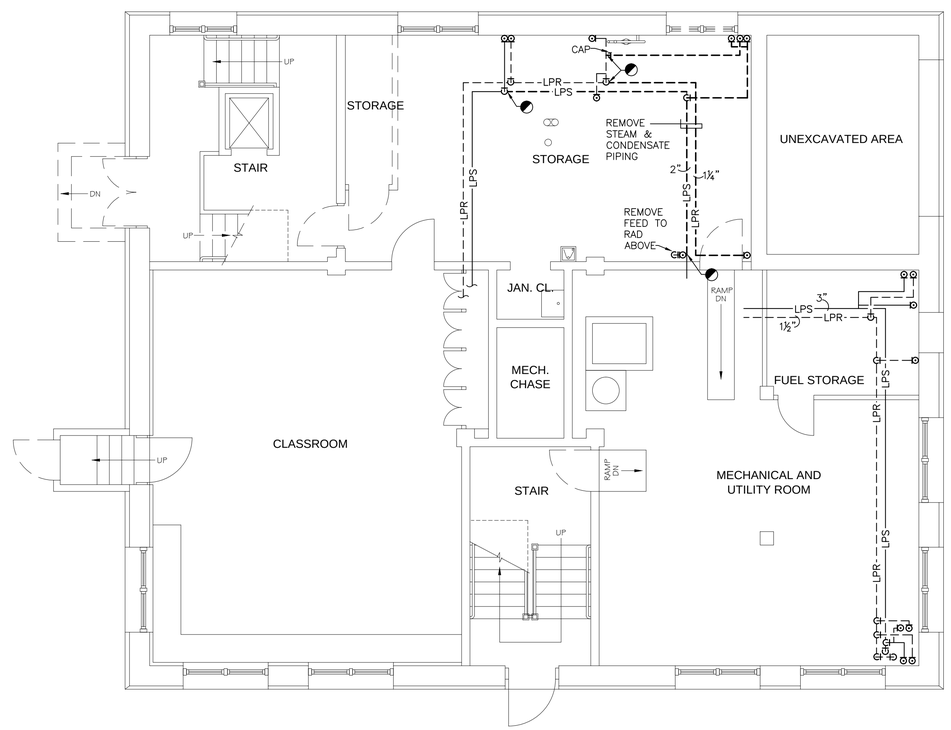
FINNED TUBE RADIATION

BASED ON 2 PSI STEAM

SYMBOL	COVER TYPE	ROWS	TUBE SIZE	TUBE TYPE	FIN SIZE	FIN TYPE	FINS/ FOOT	BTUH PER LINEAR FOOT	REMARKS
FTR-A	DOUBLE SLOPE	1	1-1/4"	STL	4.25X4.25	AL	32	1210	VULCAN LVDS 19.5" ENCL
FTR-B	SLOPE TOP	1	1"	STL	2.75X3.75	AL	40	1020	VULCAN LV2S 11" ENCL

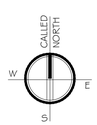
FANS

SYMBOL	SERVES	CFM	SP	RPM	MANUFACTURER/ MODEL NUMBER	TYPE	BHP	MOTOR DATA			REMARKS
								HP	VOLTS	PHASE	
EF-1	TOILET ROOM	100	0.1	–	BROAN 676	CABINET	–	–	110	1	BACKDRAFT DAMPER



BASEMENT PLAN - DEMOLITION

SCALE: 3/16"=1'-0"



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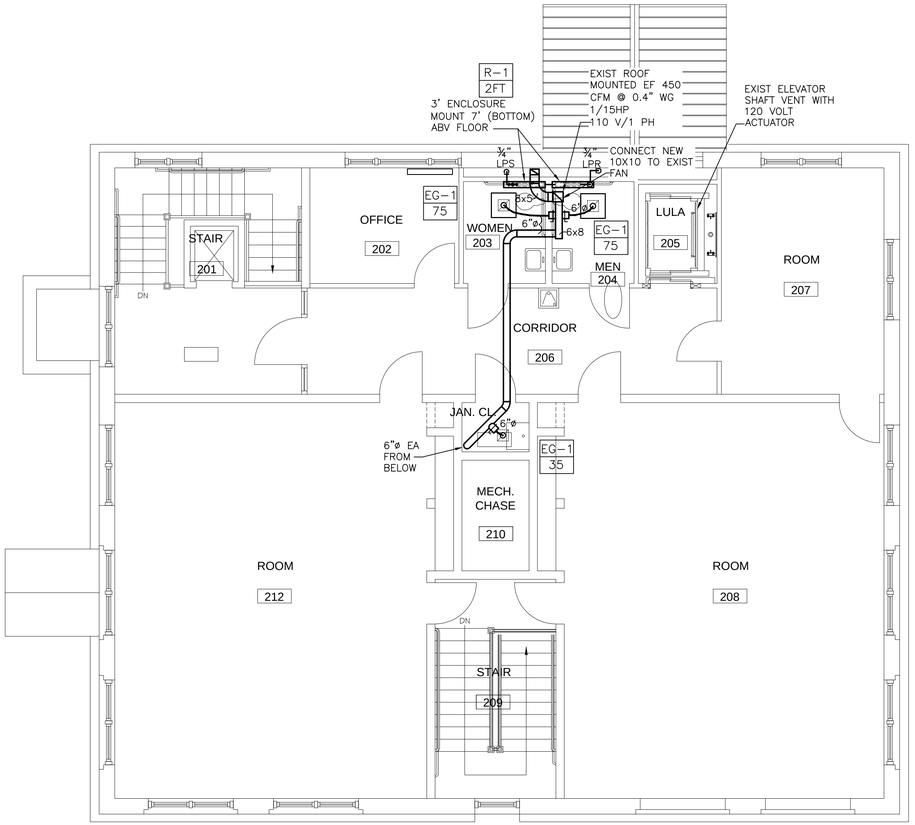
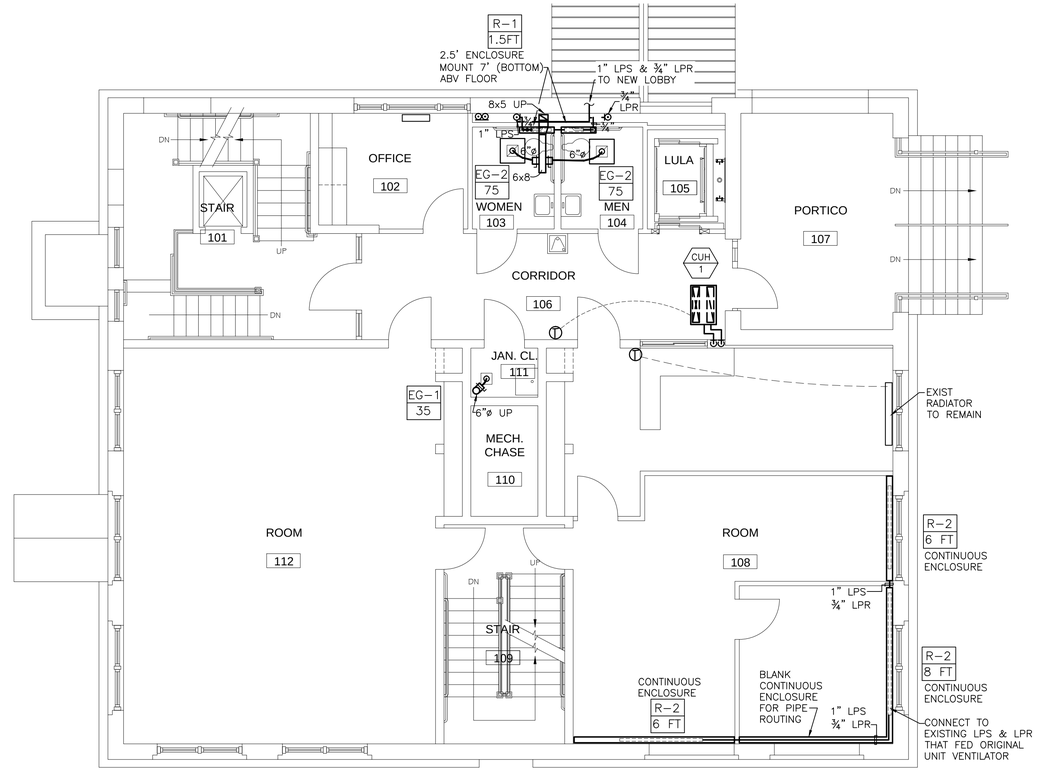
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

SHEET M.1 2 OF



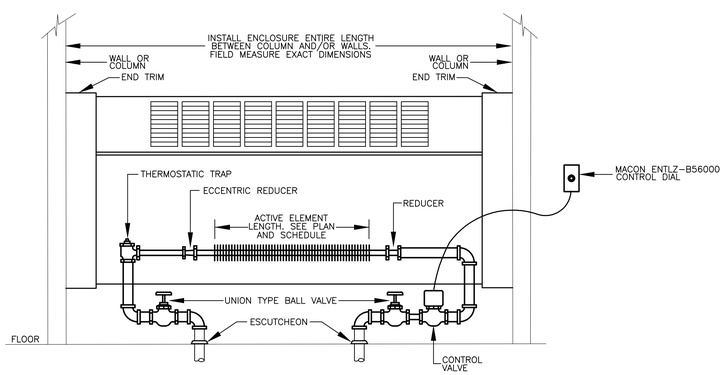
SECOND FLOOR PLAN - NEW WORK

SCALE: 3/16"=1'-0"



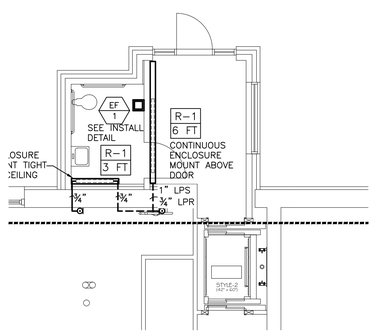
FIRST FLOOR PLAN - NEW WORK

SCALE: 3/16"=1'-0"



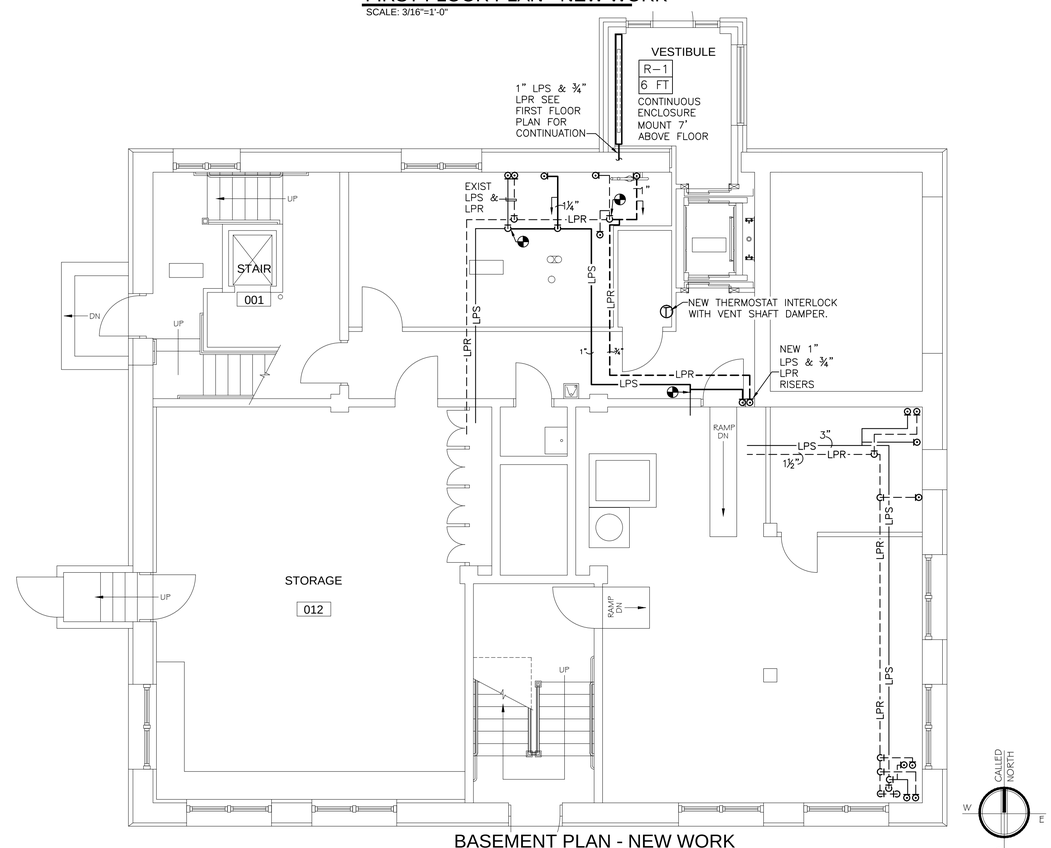
FIN TUBE RADIATION DETAIL

NOT TO SCALE:



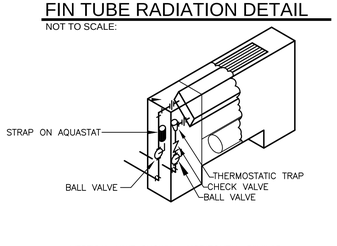
ALTERNATE 1 PLAN

SCALE: 3/16"=1'-0"



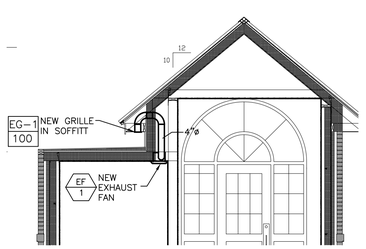
BASEMENT PLAN - NEW WORK

SCALE: 3/16"=1'-0"



CABINET HEATER PIPING DETAIL

NOT TO SCALE:



EF-1 INSTALLATION DETAIL

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

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			Drawn RFG
			Checked RFG
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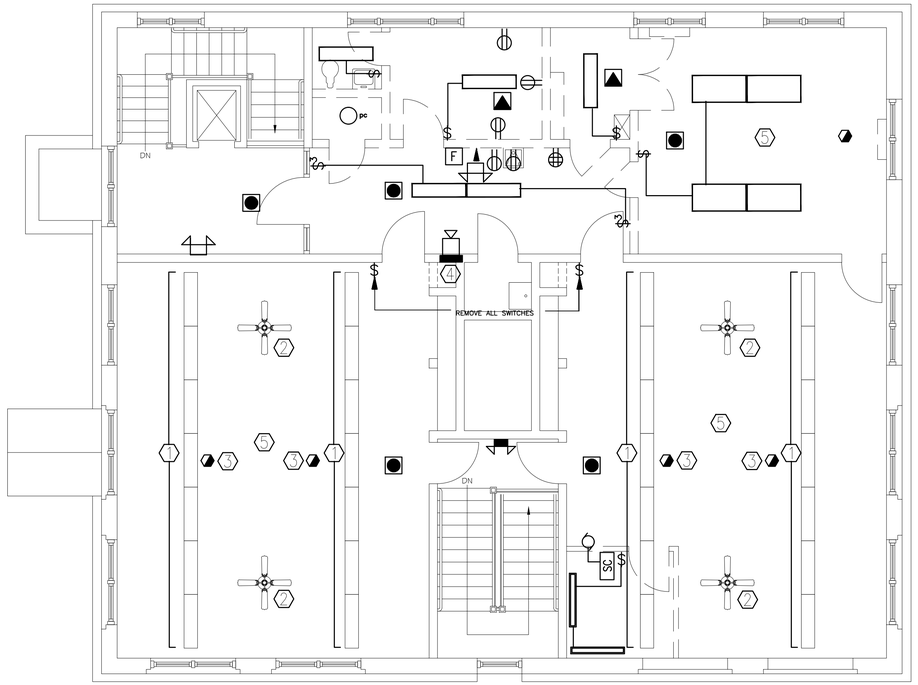
			PROJECT No. 14-02-01

RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

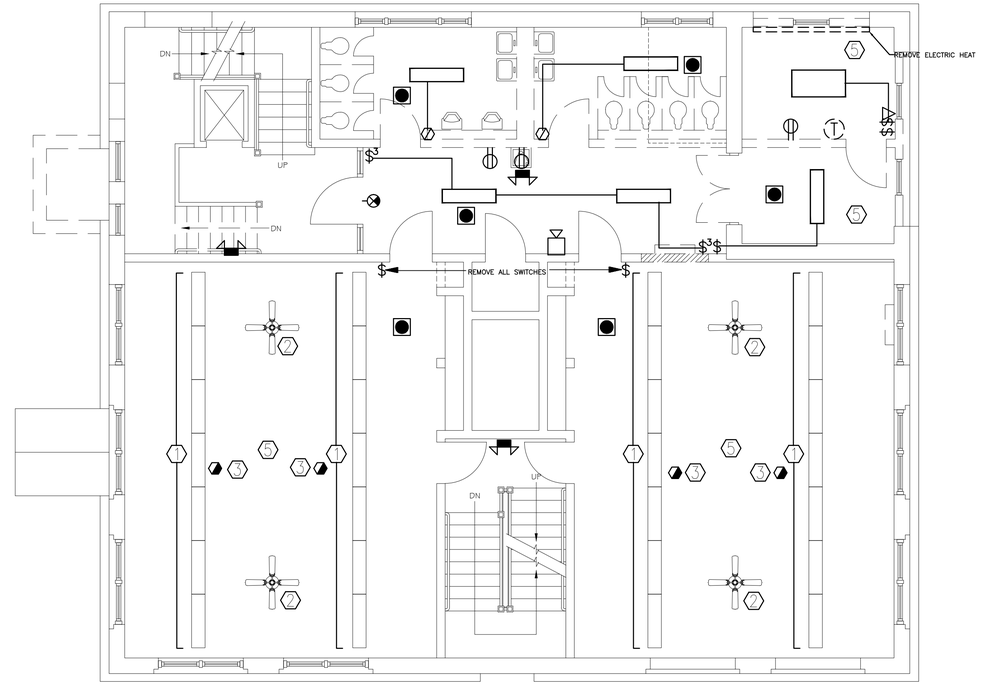
SHEET M.2 2 OF



UNLESS OTHERWISE INDICATED ALL EXISTING ELECTRICAL SHOWN IS TO BE REMOVED

SECOND FLOOR PLAN - DEMOLITION

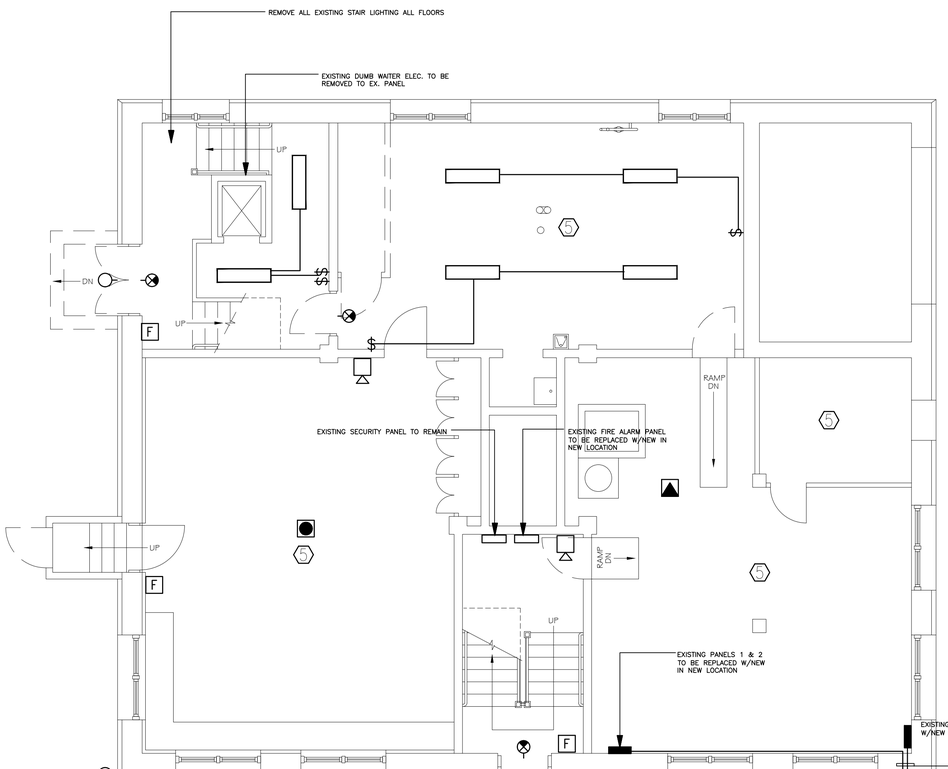
SCALE: 3/16=1'-0"



UNLESS OTHERWISE INDICATED ALL EXISTING ELECTRICAL SHOWN IS TO BE REMOVED

FIRST FLOOR PLAN - DEMOLITION

SCALE: 3/16"=1'-0"



BASEMENT PLAN - DEMOLITION

SCALE: 3/16"=1'-0"

UNLESS OTHERWISE INDICATED ALL EXISTING ELECTRICAL SHOWN IS TO BE REMOVED

REFERENCED NOTES

1. EXISTING CONTINUOUS ROW FIXTURES TO BE REMOVED
2. EXISTING CEILING FAN TO BE REMOVED
3. EXISTING OCCUPANCY SENSOR/POWER PACK TO BE REMOVED
4. EXISTING FUSE PANEL TO REMAIN–REMOVE ALL OBSOLETE WIRING
5. UNLESS OTHERWISE INDICATED, EXISTING LIGHTING/RECEPTACLES REMAIN

SYMBOL SCHEDULE

	HOMERUN		
	CONDUIT CONCEALED IN WALL, FLOOR, UNDERGROUND OR CEILING		
	LOW VOLTAGE WIRING		
	1/2"C–2 # 12 + 1 # 12 GROUND UNLESS NOTED OTHERWISE		
	1/2"C–3 # 12 + 1 # 12 GROUND		
	1/2"C–4 # 12 + 1 # 12 GROUND		
	3/4"C–5 # 12 + 1 # 12 GROUND		
	PANELBOARD		
TC	TIME CLOCK	MOA	MULTI–OUTLET ASSEMBLY SEE ARCH. PLANS

FL'R	WALL	CEIL	DESCRIPTION
			RECESSED TROFFER
			RECESSED TROFFER WITH EMERGENCY BATTERY PACK
			SURFACE OR SUSPENDED FLUORESCENT FIXTURE
			RECESSED LED DOWNLIGHT
			SURFACE OR SUSPENDED LED FIXTURE
			SELF–CONTAINED EMERGENCY LIGHT FIXTURE
			SINGLE OR DOUBLE FACE EXIT LIGHT WITH ARROWS AS SHOWN
			SELF–CONTAINED EXIT LIGHT WITH 2 EMERGENCY LIGHT HEADS
			OCCUPANCY SENSOR
			OCCUPANCY SENSOR
			OCCUPANCY & DAYLIGHT SENSOR
	RC	RC	ROOM CONTROLLER–LOCATE ABOVE HUNG CL'G. OR STORAGE ROOM DO NOT INSTALL ABOVE "HARD" CEILINGS
			3 OR 5 BUTTON ROOM CONTROL STATION "a,b"=3 BUTTON STATION
			DATA OUTLET/JACK PROVIDE CAT 6 CABLES FROM PATCH PANEL
			TELEPHONE OUTLET/JACK–PROVIDE CAT 6 CABLE TO TEL. TERMS.
			JUNCTION BOX
			MOTOR
			SINGLE POLE MOTOR CONTROLLER WITH THERMAL OVERLOAD
			DUPLEX RECEPTACLE "2" = CIRCUIT NUMBER
			GFCI DUPLEX RECEPTACLE "WP" = WEATHERPROOF
			QUADPLEX RECEPTACLE
	$		SINGLE POLE SWITCH
	DC		DOOR CONTACT BY OTHERS–PROVIDE PATCH FOR VENDOR WIRING
			ELECTRIC DOOR STRIKE–PART OF INTERCOM/ENTRY SYSTEM–COORD. W/DOOR HARDWARE SUPPLIER
			INTERCOM/ENTRY REMOTE STATION–EXACT LOCATION BY ARCHITECT
	MS		INTERCOM/ENTRY REMOTE STATION–EXACT LOCATION BY ARCHITECT
			FUSED DISCONNECT SWITCH
	IWB		INTERACTIVE WHITE BOARD–EXACT LOCATION BY ARCHITECT

TYPE AS PER FIXTURE SCHEDULE CIRCUIT NUMBER — A–1–c — SWITCH CONTROL ASSOCIATION

TYPE AS PER FIXTURE SCHEDULE CIRCUIT NUMBER — A–1–oso — SENSOR CONTROL

TYPE AS PER FIXTURE SCHEDULE CIRCUIT NUMBER — A–1–oso/a — OCCUPANCY SENSOR & SWITCH CONTROLS

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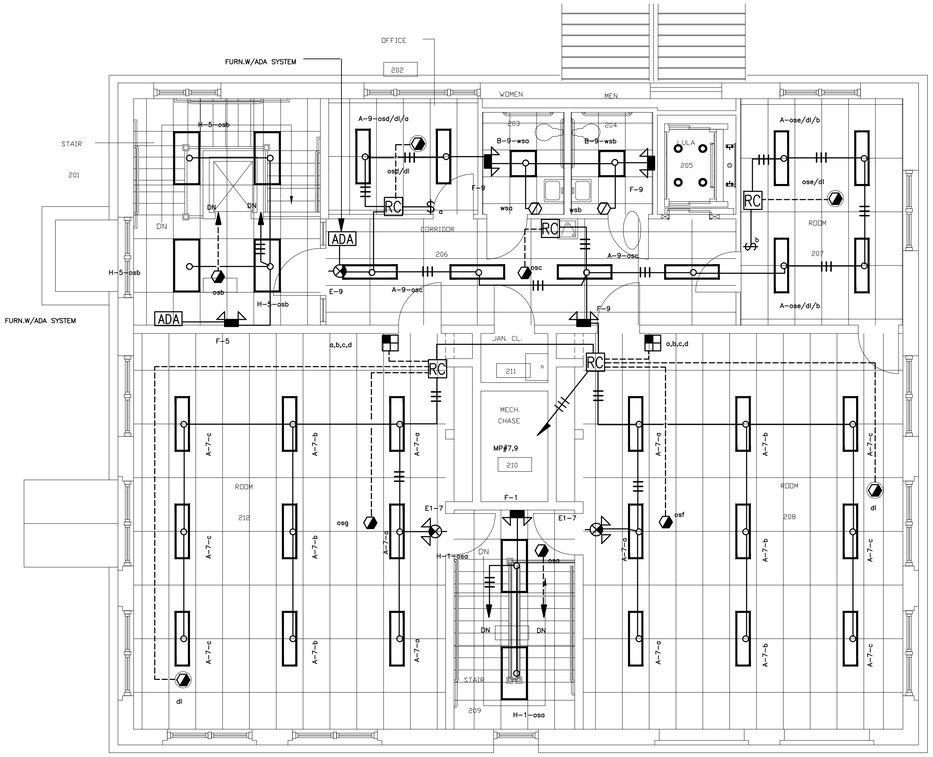
RENOVATIONS TO:
EAST STREET SCHOOL
31 SOUTH EAST STREET
AMHERST, MA 01002

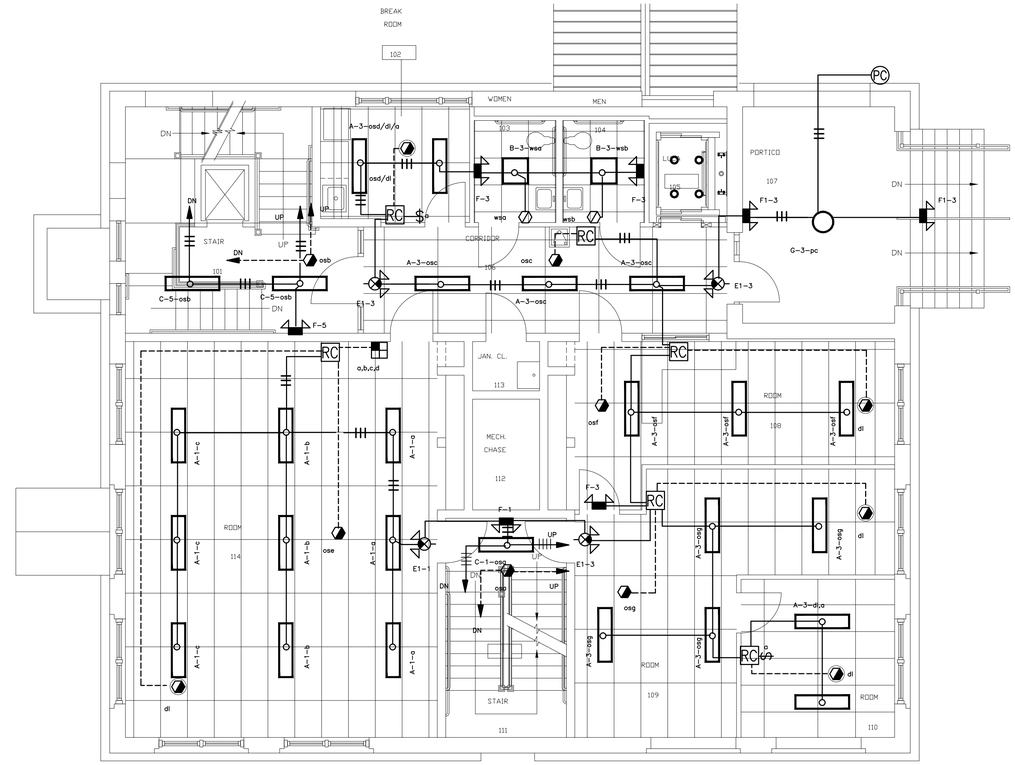
CALLED NORTH

SHEET E.1 5 OF



SECOND LIGHTING FLOOR PLAN - NEW WORK

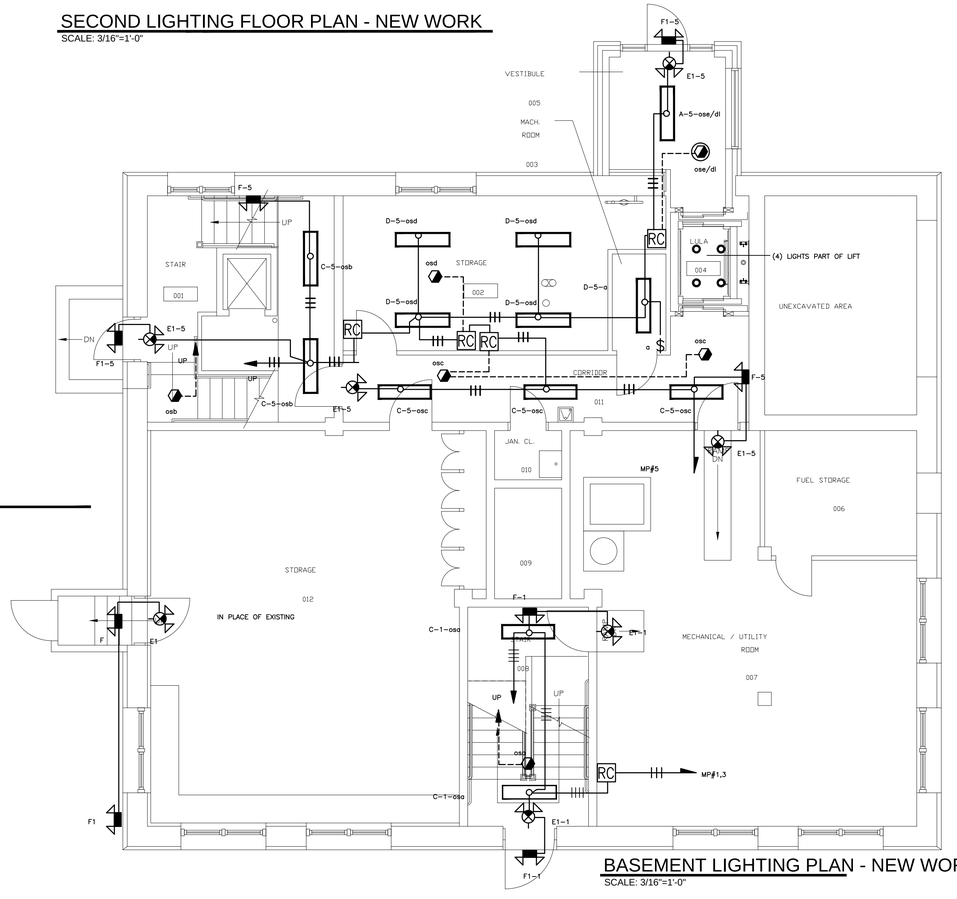
SCALE: 3/16"=1'-0"



FIRST FLOOR LIGHTING PLAN - NEW WORK

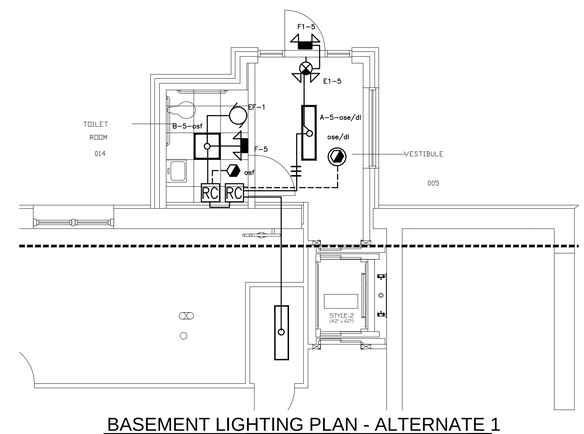
SCALE: 3/16"=1'-0"

LIGHTING FIXTURE SCHEDULE										
NO	MANUF	CATALOG NUMBER	LAMPS		VOLT	MOUNTING			LOAD	REMARKS
			NO	TYPE		REC	PEND	SURF		
A	FINELITE	S12 LED ID DCDX 3E HO SD 35K OPEN IC FA CE	---	LED	120		X			4'LED INDIRECT
B		HPR LED A 2X2 DCD SD 35K SC C1	---			X				2 x 2 LED TROFFER
C		HPR LED A 1X4 DCD SD 35K SC C1	---				X	X		1 x 4 SURFACE MTD. LED
D	DAYBRITE	1F232-PP-120-EB10R	2	FO32T8			X	X		1 x 4 INDUSTRIAL
E	EXITRONICS	ILX-R-EM-WH	---	BY MANUF				X		SELF-CONTAINED LED EXIT LIGHT
E1		VLED-1-WH-EL90	---					X		SELF-CONTAINED LED EXIT LT. W/2 HEADS
F		LED-90	---					X		SELF-CONTAINED LED EMERGENCY LIGHT
F1		TRL-ACEM-BL-CL (BLACK)	---					X		SELF-CONTAINED EXT. EMERG. LT W/PHOTOCELL
G	PROGRESS	P5551-31 (BLACK)	3	7W LED E12 BASE			X			PORTICO LIGHT CANDELABRA BASED
H	FINELITE	HPR LED A 2X4 DCD SD 35K SC C1	---	LED		X				2 x 4 LED TROFFER



BASEMENT LIGHTING PLAN - NEW WORK

SCALE: 3/16"=1'-0"



BASEMENT LIGHTING PLAN - ALTERNATE 1

SCALE: 3/16"=1'-0"

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AMHERST, MA 01002

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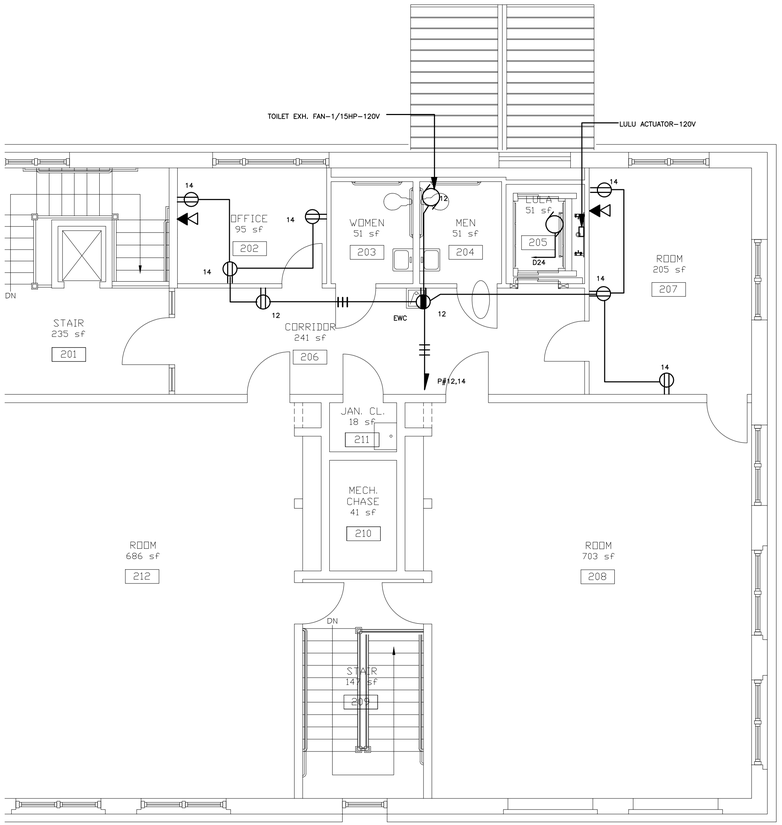


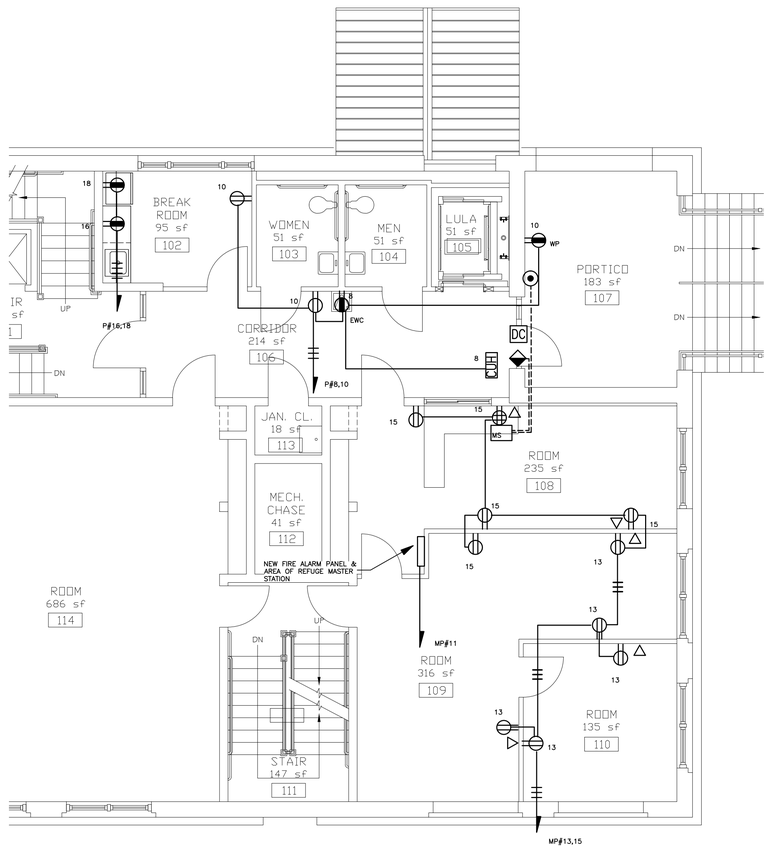
SECOND FLOOR PLAN - NEW WORK

SCALE: 3/16"=1'-0"

P	PANEL SCHEDULE	1	PHASE	4	WIRE	120/240	VOLTS

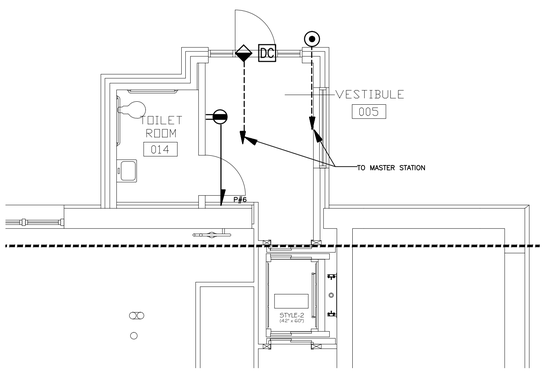
CKT. NO.	POLE NO.	DESCRIPTION	LOAD VA A	LOAD VA B	LOAD VA C	BREAKER POLE	BREAKER TRIP	BREAKER POLE	BREAKER TRIP	LOAD VA A	LOAD VA B	LOAD VA C	DESCRIPTION	CKT. NO.	POLE NO.
1	1	Ex. Reconn'd. or Spare				1P	20	1P	20					2	2
3	3													4	4
5	5													6	6
7	7													8	8
9	9													10	10
11	11													12	12
13	13													14	14
15	15													16	16
17	17													18	18
19	19							2P	50				Ex. Reconn'd. or Spare	20	20
21	21					1P	15							22	22
23	23							1P	20				ELEVATOR VENT LOUVER	24	24
25	25												SPARE	26	26
27	27	Space												28	28
29	29													30	30
31	31												Space	32	32
33	33													34	34
35	35													36	36
37	37													38	38
39	39													40	40
41	41													42	42

TOTAL VA		SIZE MAINS	200 AMPS	FEEDERS	3#3+GND.-1.5"CDT.
TOTAL AMPS		MAIN BKR.	MLO	A.I.C.	10KA RMS SYMM
LOAD %		LOCATION	AS SHOWN	MOUNTED	SURFACE



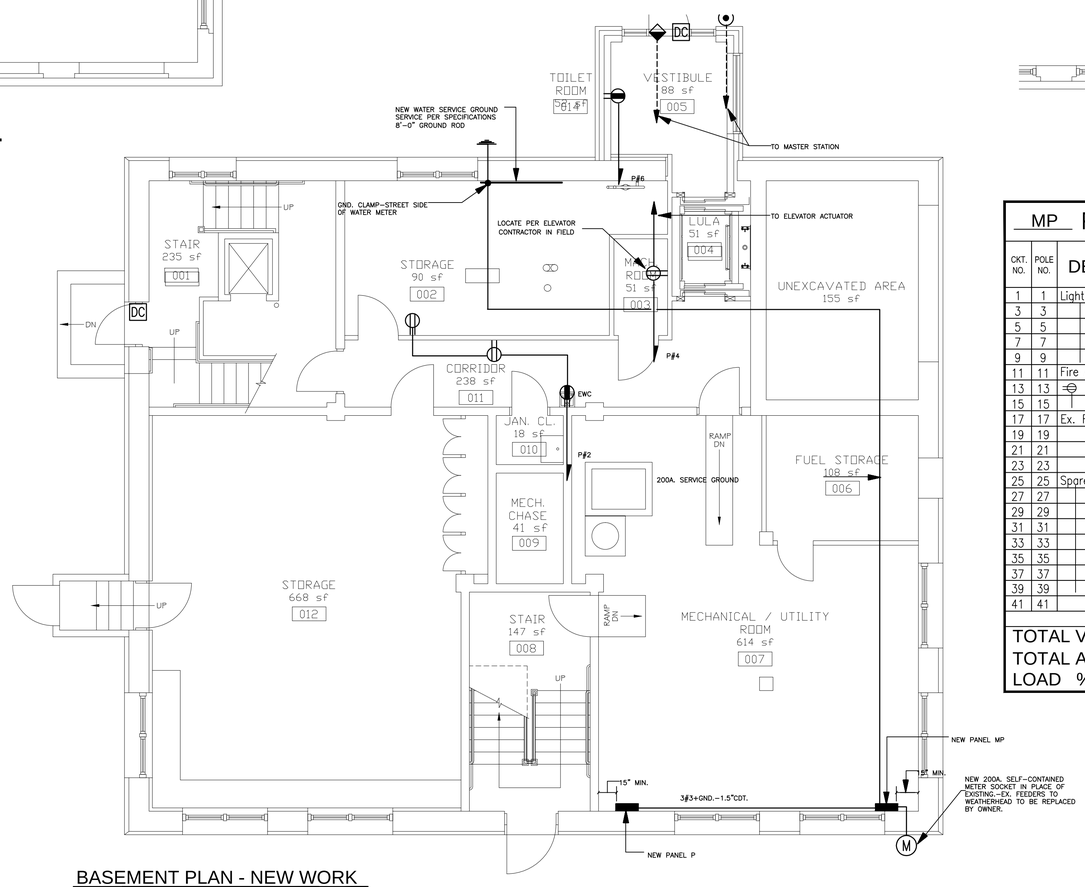
FIRST FLOOR PLAN - NEW WORK

SCALE: 3/16"=1'-0"



BASEMENT PLAN - ALTERNATE 1

SCALE: 3/16"=1'-0"



BASEMENT PLAN - NEW WORK

SCALE: 3/16"=1'-0"

MP	PANEL SCHEDULE	1	PHASE	4	WIRE	120/240	VOLTS

CKT. NO.	POLE NO.	DESCRIPTION	LOAD VA A	LOAD VA B	LOAD VA C	BREAKER POLE	BREAKER TRIP	BREAKER POLE	BREAKER TRIP	LOAD VA A	LOAD VA B	LOAD VA C	DESCRIPTION	CKT. NO.	POLE NO.
1	1	Lighting				1P	20	2P	100				Panel P	2	2
3	3													4	4
5	5							2P	20				Ex. Reconn'd. or Spare	6	6
7	7													8	8
9	9													10	10
11	11	Fire Alarm Panel												12	12
13	13							2P	30					14	14
15	15													16	16
17	17	Ex. Reconn'd. or Spare				1P	15	1P	20					18	18
19	19													20	20
21	21													22	22
23	23													24	24
25	25	Spare				1P	20							26	26
27	27													28	28
29	29													30	30
31	31												Space	32	32
33	33													34	34
35	35													36	36
37	37													38	38
39	39													40	40
41	41													42	42

TOTAL VA		SIZE MAINS	200 AMPS	FEEDERS	3#3/0+GND.-2.5"CDT.
TOTAL AMPS		MAIN BKR.	200 AMPS	A.I.C.	10KA RMS SYMM
LOAD %		LOCATION	AS SHOWN	MOUNTED	SURFACE

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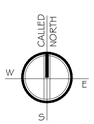
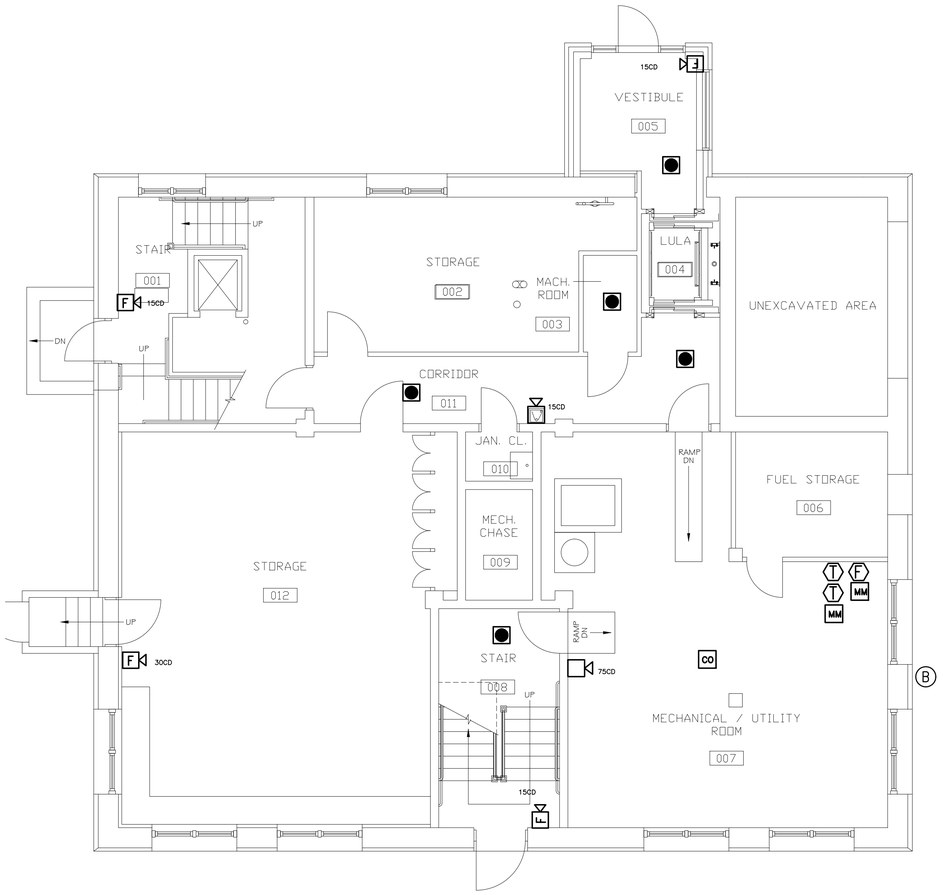
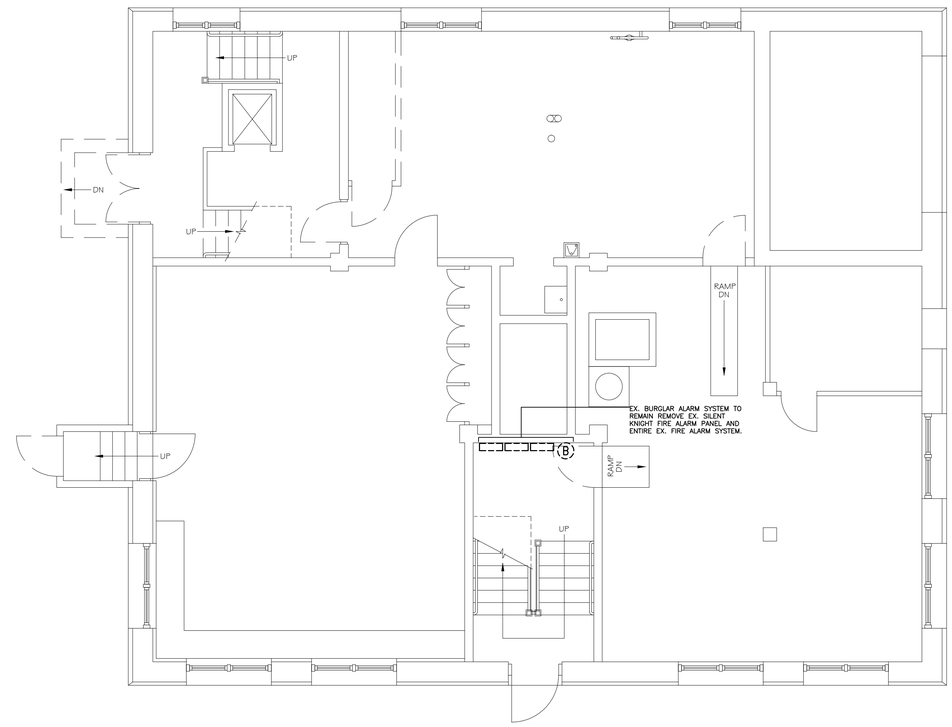


SHEET E.3 OF 5



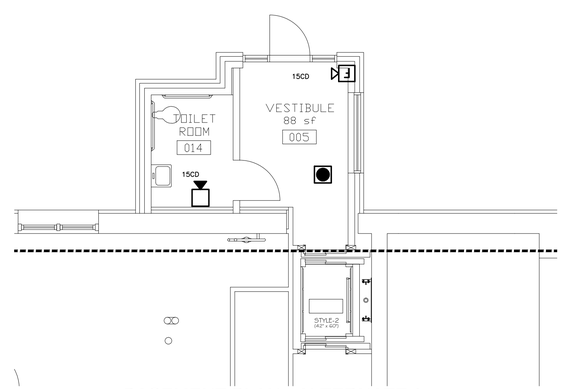
BASEMENT PLAN - FIRE ALARM
SCALE: 3/16"=1'-0"



BASEMENT PLAN - EXISTING
SCALE: 3/16"=1'-0"

FIRE ALARM SYSTEM SYMBOL SCHEDULE

FL'R	WALL	CEIL	DESCRIPTION
	F		MANUAL PULL STATION-MOUNT 48" A.F.F. WITH "STOP-IT" DEVICE
	F		MANUAL PULL STATION WITH "STOP-IT" DEVICE & AUDIO/VISUAL DEVICE ABOVE
			AUDIO/VISUAL DEVICE-MOUNT 84-96" A.F.F.
			VISUAL ONLY DEVICE-MOUNT 84-96" A.F.F.
			SMOKE DETECTOR
	MM		ADDRESSABLE MODULE
	F		SPRINKLER FLOW SWITCH WIRED BY E.C.
	T		SPRINKLER TAMPER SWITCH WIRED BY E.C.
	DH		DOOR HOLDER
	ADA		AREA OF REFUGE STATION
	K		KNOX BOX & BEACON
	CO		CARBON MONOXIDE DETECTOR
			HEAT DETECTOR
	B		SPRINKLER BELL WIRED BY E.C.
	CR		ADDRESSABLE RELAY



BASEMENT PLAN - ALTERNATE 1
SCALE: 3/16"=1'-0"

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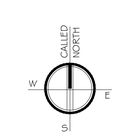
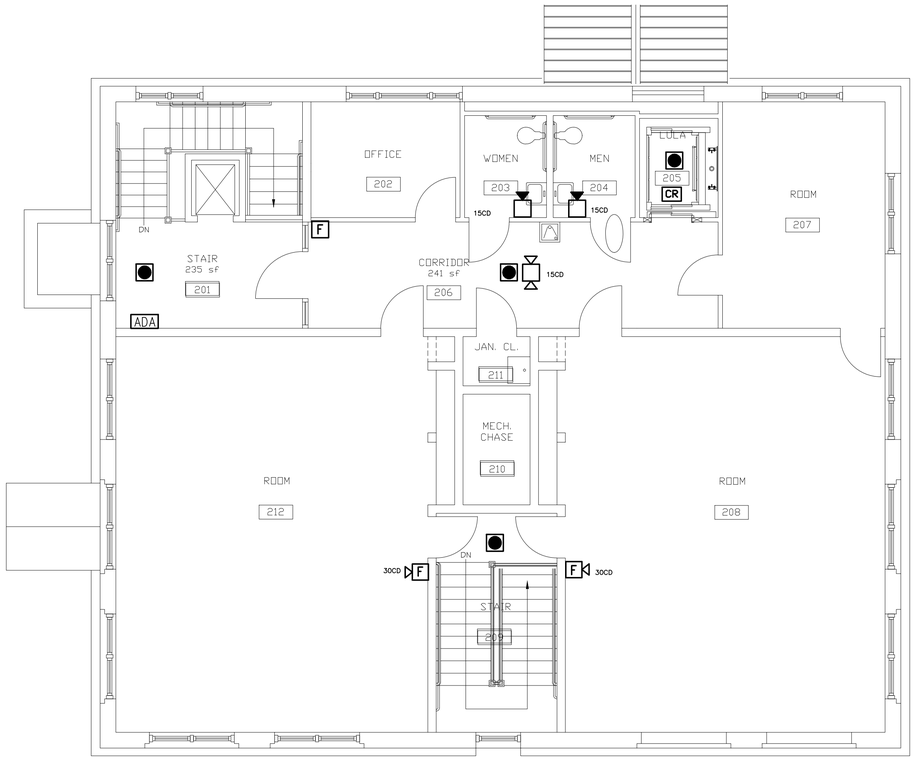
AMHERST, MA 01002

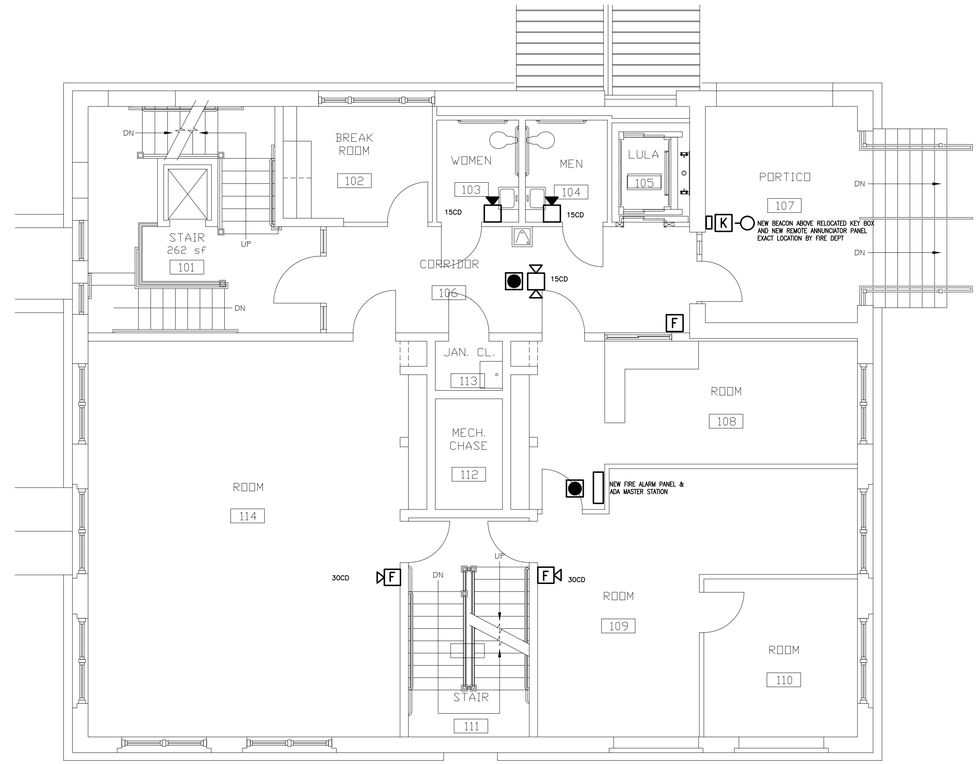


SHEET E.4 5 OF



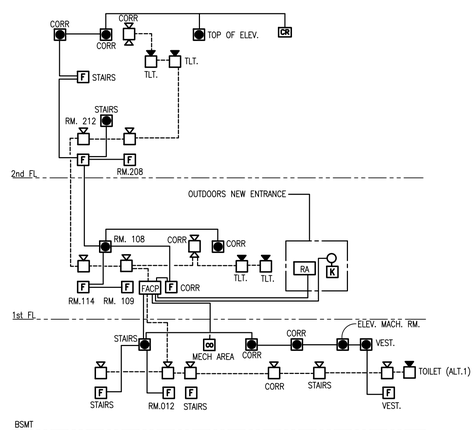
SECOND FLOOR PLAN - FIRE ALARM

SCALE: 3/16"=1'-0"



FIRST FLOOR PLAN - FIRE ALARM

SCALE: 3/16"=1'-0"



FIRE ALARM RISER DIAGRAM

NOT TO SCALE

SYSTEM OUTPUTS

		CONTROL UNIT ANNUNCIATION												NOTIFICATION												REQUIRED FIRE SAFETY CONTROL												SUPPLEMENTARY							
	SYSTEM INPUTS	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM COMMON SIGNAL DEVICES	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL DEVICES	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	ACTUATE BASEMENT FLOOR ALARM INDICATOR	ACTUATE FIRST FLOOR ALARM INDICATOR	ACTUATE SECOND FLOOR ALARM INDICATOR	ACTUATE MEZZANINE FLOOR ALARM INDICATOR	ACTUATE THIRD FLOOR ALARM INDICATOR	ACTUATE FOURTH FLOOR ALARM INDICATOR	TRANSMIT FIRST ALARM SIGNAL TO CENTRAL STATION	TRANSMIT SUBSEQUENT BUILDING ALARM SIGNAL TO CENTRAL STATION	TRANSMIT FIRE ALARM SIGNAL TO STATE EVALUATION SIGNAL	TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION	TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION	RECALL ELEVATOR TO PRIMARY RECALL FLOOR	ACTUATE EXTERIOR STROBE @ FD RESPONSE POINT																				
1	MANUAL FIRE ALARM BOXES-BSMT	●	●					●			●	●	●																			●														1
2	MANUAL FIRE ALARM BOXES-1ST FLOOR	●	●						●		●	●	●																			●														2
3	MANUAL FIRE ALARM BOXES-2ND FLOOR	●	●							●	●	●	●																			●														3
4	SMOKE DETECTOR BSMT	●	●					●			●	●	●				●															●														4
5	SMOKE DETECTORS-1ST FLOOR	●	●						●		●	●	●				●															●														5
6	SMOKE DETECTORS-2ND FLOOR	●	●							●	●	●	●				●															●														6
7	FLOW SWITCH	●	●					●			●	●	●				●															●														7
8	TAMPER SWITCHES			●	●							●		●																																8
9	CARBON MONOXIDE DETECTORS	●	●								●	●	●																			●														9
10	FIRE ALARM AC POWER FAILURE			●	●									●																																10
11	FIRE ALARM SYSTEM LOW BATTERY					●	●								●																															11
12	OPEN CIRCUIT					●	●								●																															12
13	GROUND FAULT					●	●								●																															13
14	NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●								●																															14
15																																														15
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB																	

FIRE ALARM MATRIX CHART- EAST ST. SCHOOL

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