

CLARKE ELEMENTARY SCHOOL

FIRE ALARM REPLACEMENT

100 Middlesex Ave. Swampscott, MA 01907

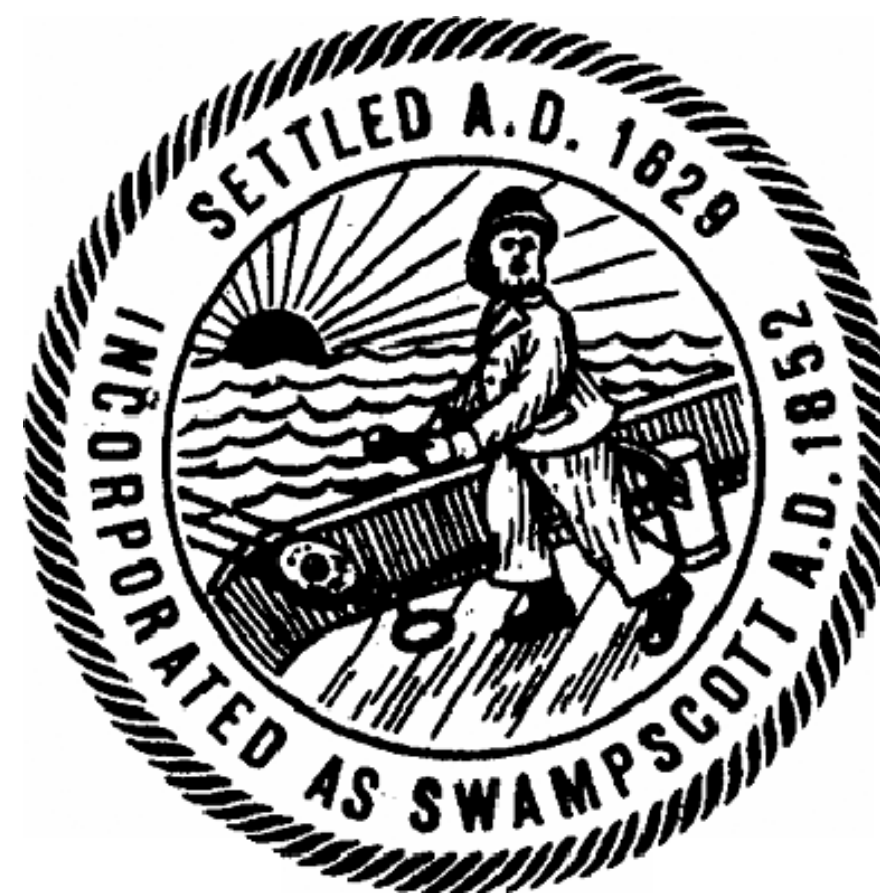


LOCUS PLAN



DRAWING LIST

Sheet Number	Sheet Title
COVER SHEET C0.00	COVER SHEET
ELECTRICAL FA0.00 FAD1.0 FAD1.1 FAD1.2 FAD1.3 FA1.0 FA1.1 FA1.2 FA1.3 FA2.0 FA2.0	ELECTRICAL LEGEND NOTES AND ABBREVIATIONS FIRE ALARM CRAWLSPACE DEMOLITION PLAN FIRE ALARM FIRST FLOOR DEMOLITION PLAN FIRE ALARM SECOND FLOOR DEMOLITION PLAN FIRE ALARM ATTIC DEMOLITION PLAN FIRE ALARM CRAWLSPACE PLAN FIRE ALARM FIRST FLOOR PLAN FIRE ALARM SECOND FLOOR PLAN FIRE ALARM ATTIC PLAN FIRE ALARM PORTABLE DEMOLITION AND NEW WORK PLANS FIRE ALARM MATRIX AND RISER



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REVISIONS

DATE	CHK	DESCRIPTION

SEAL

PROJECT

NUMBER
20170327
DATE
6/30/17
TOWN OF SWAMPSCOTT
CLARKE ELEMENTARY
FIRE ALARM
REPLACEMENT
SWAMPSCOTT, MA

DRAWING

DRAWN BY
DF
CHECKED BY
MW
SCALE
N/A
COVER SHEET

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DF

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SCALE
NTS

FIRE ALARM
LEGEND, NOTES,
ABBREVIATIONS &
DETAILS

EXISTING EQUIPMENT LEGEND

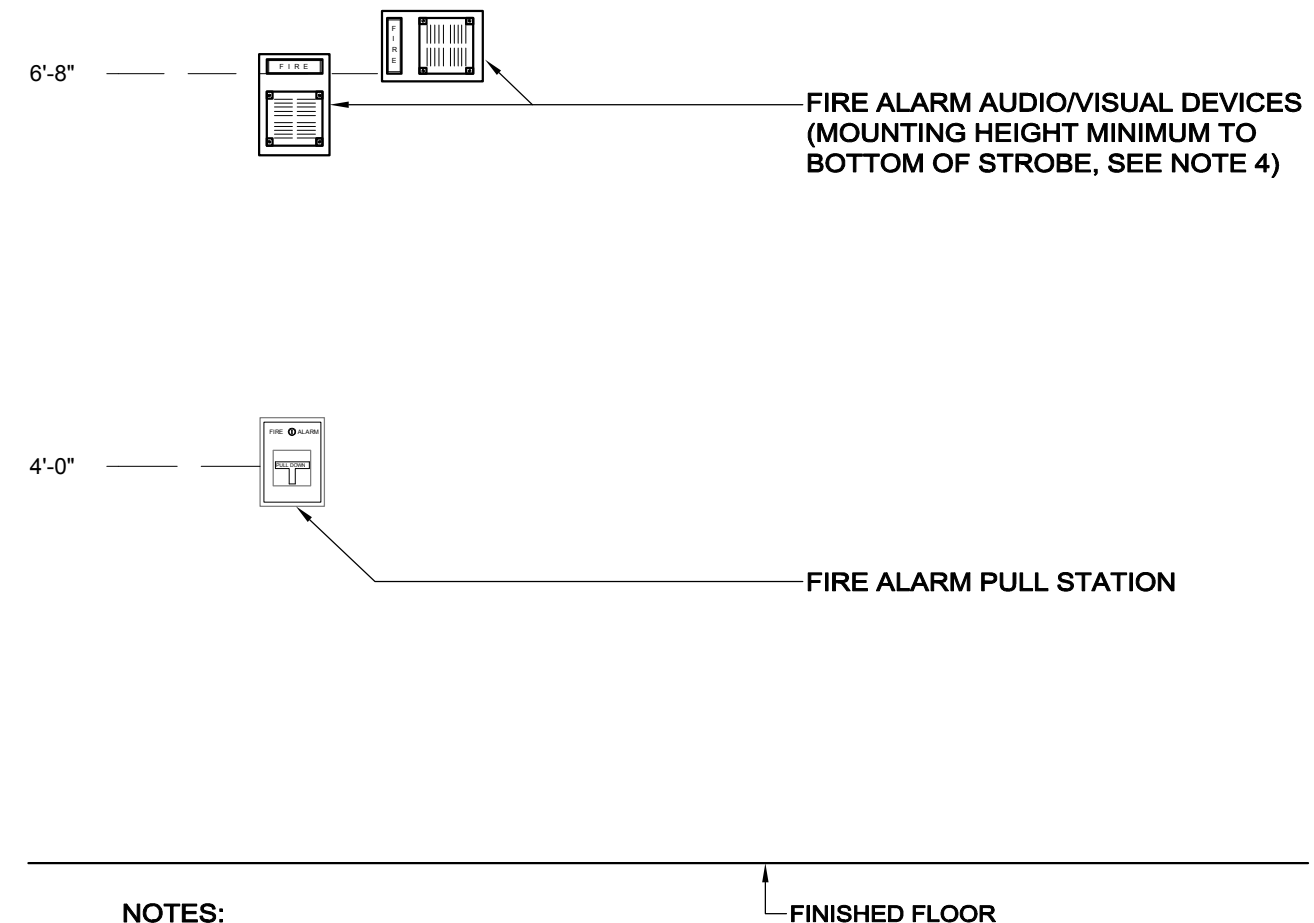
XM	EXISTING EQUIPMENT TO REMAIN
X	EXISTING EQUIPMENT TO BE REMOVED
XR	EXISTING EQUIPMENT TO BE RELOCATED
XN	NEW LOCATION OF EXISTING RELOCATED EQUIPMENT
NR	EXISTING EQUIPMENT TO BE REMOVED AND NEW EQUIPMENT TO BE INSTALLED ON EXISTING BRANCH/FEEDER
[Symbol]	EXISTING EQUIPMENT FOR INFORMATION ONLY- INDICATED BY SYMBOL WITH LIGHT AND OUT OF FUNCTION LINE TYPE
[Symbol]	EXISTING EQUIPMENT TO BE REVOKED- INDICATED BY SYMBOL WITH DASHED AND IN FUNCTION LINE TYPE

ABBREVIATIONS

A/AMP	AMPERE	KWH	KILOWATT HOURS
AC	ALTERNATING CURRENT	LTG	LIGHTING
ADA	AMERICAN WITH DISABILITIES ACT	MCB	MAIN CIRCUIT BREAKER
AF	AMPERE FRAME	MEC	MASSACHUSETTS ELECTRICAL CODE
AFF	ABOVE FINISHED FLOOR	M/G	MOTOR/GENERATOR SET
AFG	ABOVE FINISHED GRADE	MH	MANHOLE
AIC	AMPERE INTERRUPTING CAPACITY	MLO	MAIN LUGS ONLY
AL	ALUMINUM	MTD	MOUNTED
AT	AMPERE TRIP	MTG	MOUNTING
ATS	AUTOMATIC TRANSFER SWITCH	NC	NORMALLY CLOSED CONTACT
AWG	AMERICAN WIRE GAUGE	NEC	NATIONAL ELECTRICAL CODE
B	BURIED	NO	NORMALLY OPEN CONTACT
C	CONDUIT	NTS	NOT TO SCALE
CA	CABLE	#	NUMBER
CATV	CABLE TELEVISION	OPD	OVER CURRENT PROTECTION DEVICE
CCTV	CLOSED CIRCUIT TELEVISION SYSTEM	POS	PROVIDED UNDER OTHER SECTIONS
CB	CIRCUIT BREAKER	PVC	POLYVINYL CHLORIDE
CKT	CIRCUITS	PWR	POWER
CPU	CENTRAL PROCESSING UNIT	RGS	RIGID GALVANIZED STEEL
CL	CENTERLINE	RMS	ROOT MEAN SQUARE VALUE
dB	DECIBEL	RPM	REVOLUTIONS PER MINUTE
DC	DIRECT CURRENT	SN	SOLID NEUTRAL
DWG	DRAWING	SWBD	SWITCHBOARD
EC	ELECTRICAL CONTRACTOR	TB	TERMINAL BLOCK
EMT	ELECTRIC METALLIC TUBING	TEL	TELEPHONE
FDR	FEEDER	TERMN	TERMINAL
FLMT	FLEXIBLE LIQUID TIGHT METALLIC TUBING	TSP	TWISTED SHIELDED-PAIR
FREQ	FREQUENCY	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
GEC	GROUNDING ELECTRODE CONDUCTOR	TYP	TYPICAL
GFI	GROUND FAULT INTERRUPTING	UG	UNDERGROUND
GND	GROUND	UNO	UNLESS NOTED OTHERWISE
HH	HANDHOLE	UPS	UNINTERRUPTIBLE POWER SUPPLY
HP	HORSEPOWER	UTP	UNSHIELDED TWISTED-PAIR
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	V	VOLTS
HZ	HERTZ	VA	VOLT-AMPERE
IG	ISOLATED GROUND	VSD	VARIABLE SPEED DRIVE
JB	JUNCTION BOX	W	WATTS
KVA	KILOVOLT-AMPERE	WP	WEATHERPROOF
KW	KILOWATT		

FIRE ALARM LEGEND

[FACP]	FIRE ALARM CONTROL PANEL
[FAA]	FIRE ALARM ANNUNCIATOR PANEL
[FATC]	FIRE ALARM TERMINAL CABINET
[BATT]	FIRE ALARM SYSTEM BATTERY PACK & BATTERY CHARGER
[M]	FIRE ALARM MASTER BOX
[A]	FIRE ALARM COMMUNICATIONS ANTENNA/TRANSMITTER
[R]	FIRE ALARM RED ROTATING BEACON, EXTERIOR MOUNTED, WEATHERPROOF
[V] 15cd	FIRE ALARM VISUAL DEVICE
[V] 15cd	CEILING MOUNTED FIRE ALARM VISUAL DEVICE
[B]	FIRE ALARM BELL
[S]	FIRE ALARM SPEAKER
[H]	FIRE ALARM HORN
[DH]	MAGNETIC DOOR HOLDER
[K]	KEY BOX
[F] SC	FIRE ALARM MANUAL PULL STATION "SC" INDICATES STOPPER COVER
[RAI]	REMOTE ALARM INDICATOR
[RTS]	REMOTE TEST STATION
[ACM]	INDIVIDUAL ADDRESSABLE CONTROL MODULE
[ZMM]	ZONE MONITORING MODULE
[V] 110cd [F] WG	FIRE ALARM AUDIBLE AND VISUAL DEVICE, NUMERAL INDICATES CANDELA VALUE "WG" INDICATES WIRE GUARD "WP" INDICATES WEATHERPROOF
[V] 15cd [F]	CEILING MOUNTED FIRE ALARM AUDIBLE AND VISUAL DEVICE, NUMERAL INDICATES CANDELA VALUE
[S] ER	FIRE ALARM SMOKE DETECTOR, PHOTO ELECTRIC UNLESS NOTED OTHERWISE "ER" INDICATES ELEVATOR RECALL "SC" INDICATES SELF-CONTAINED, SINGLE STATION TYPE "I" INDICATES IONIZATION TYPE DETECTOR "M" INDICATES MULTI-SENSOR "WG" INDICATES WIRE GUARD
[H] RR	FIRE ALARM HEAT DETECTOR, 135° FIXED TEMPERATURE UNLESS NOTED OTHERWISE "RR" INDICATES RATE OF RISE "R/F" INDICATES RATE OF RISE AND FIXED TEMPERATURE "200°" INDICATES 200° TEMPERATURE "WG" INDICATES WIRE GUARD
[CO]	CARBON MONOXIDE SENSOR



- NOTES:**
- ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT EXIT SIGNS, CLOCKS, EMERGENCY LIGHTING AND FIRE ALARM A/V DEVICES.
 - DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
 - ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL UNLESS OTHERWISE NOTED.
 - STROBE HEIGHT ILLUSTRATED AT MINIMUM HEIGHT OF 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER, IN ACCORDANCE WITH NFPA 72 CRITERIA. THIS DOES NOT APPLY TO CEILING MOUNTED STROBES.

TYPICAL DEVICE MOUNTING HEIGHTS DETAIL



E201A

90% PROGRESS
06-30-17

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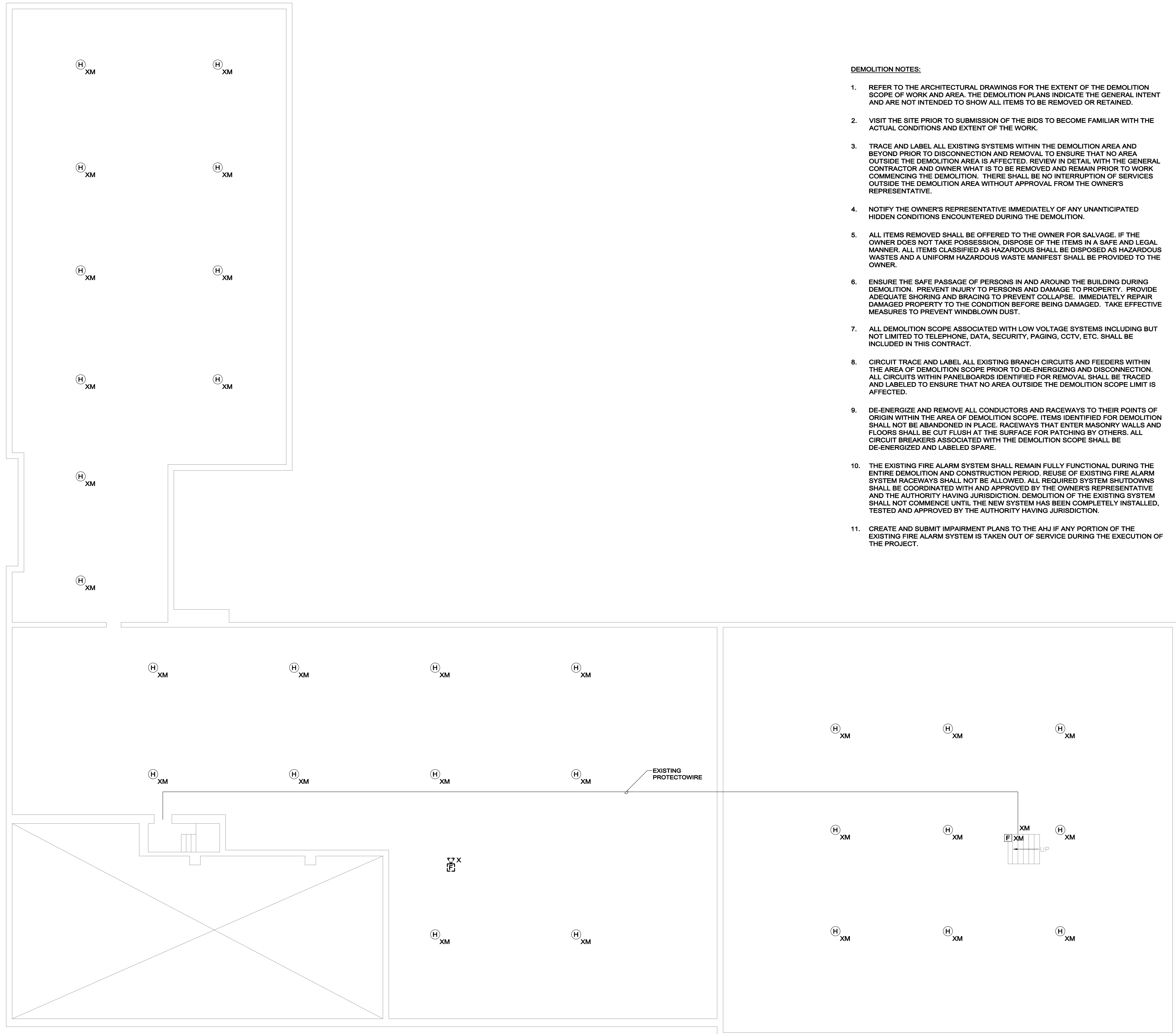
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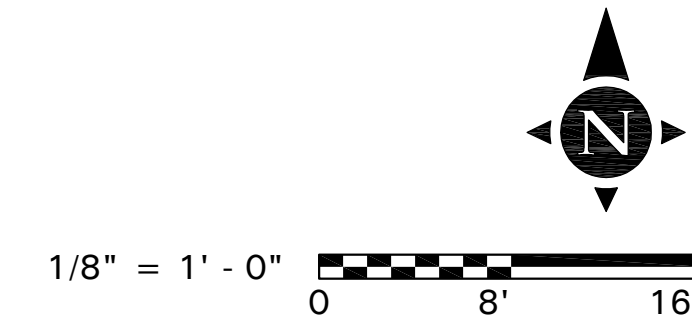
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MW
SCALE
1/8" = 1'-0"
FIRE ALARM
CRAWLSPACE
DEMOLITION PLAN

DEMOLITION NOTES:

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- ENSURE THE SAFE PASSAGE OF PERSONS IN AND AROUND THE BUILDING DURING DEMOLITION. PREVENT INJURY TO PERSONS AND DAMAGE TO PROPERTY. PROVIDE ADEQUATE SHORING AND BRACING TO PREVENT COLLAPSE. IMMEDIATELY REPAIR DAMAGED PROPERTY TO THE CONDITION BEFORE BEING DAMAGED. TAKE EFFECTIVE MEASURES TO PREVENT WINDBLOWN DUST.
- ALL DEMOLITION SCOPE ASSOCIATED WITH LOW VOLTAGE SYSTEMS INCLUDING BUT NOT LIMITED TO TELEPHONE, DATA, SECURITY, PAGING, CCTV, ETC. SHALL BE INCLUDED IN THIS CONTRACT.
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- CREATE AND SUBMIT IMPAIRMENT PLANS TO THE AHJ IF ANY PORTION OF THE EXISTING FIRE ALARM SYSTEM IS TAKEN OUT OF SERVICE DURING THE EXECUTION OF THE PROJECT.



90% PROGRESS
06-30-17



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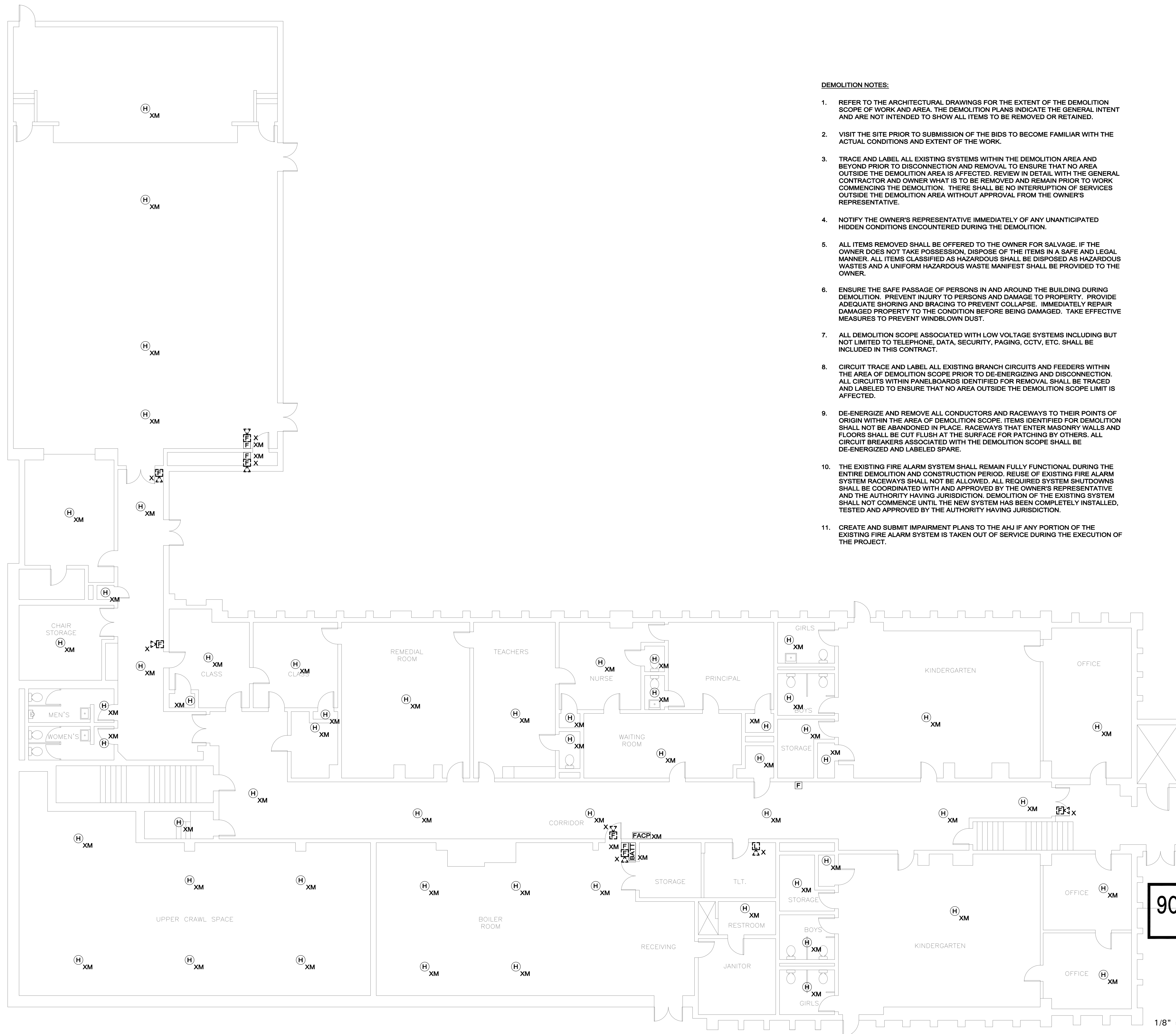
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TOWN OF SWAMPSCOTT
CLARKE ELEMENTARY
FIRE ALARM
REPLACEMENT
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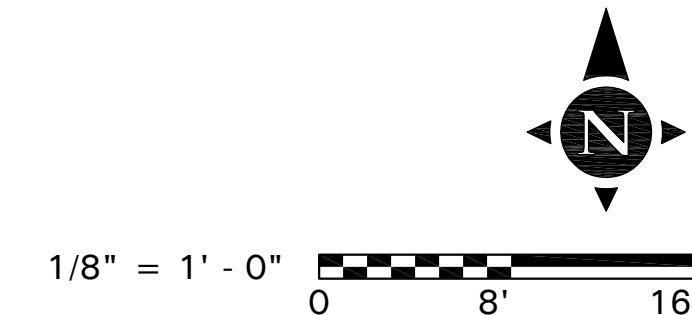
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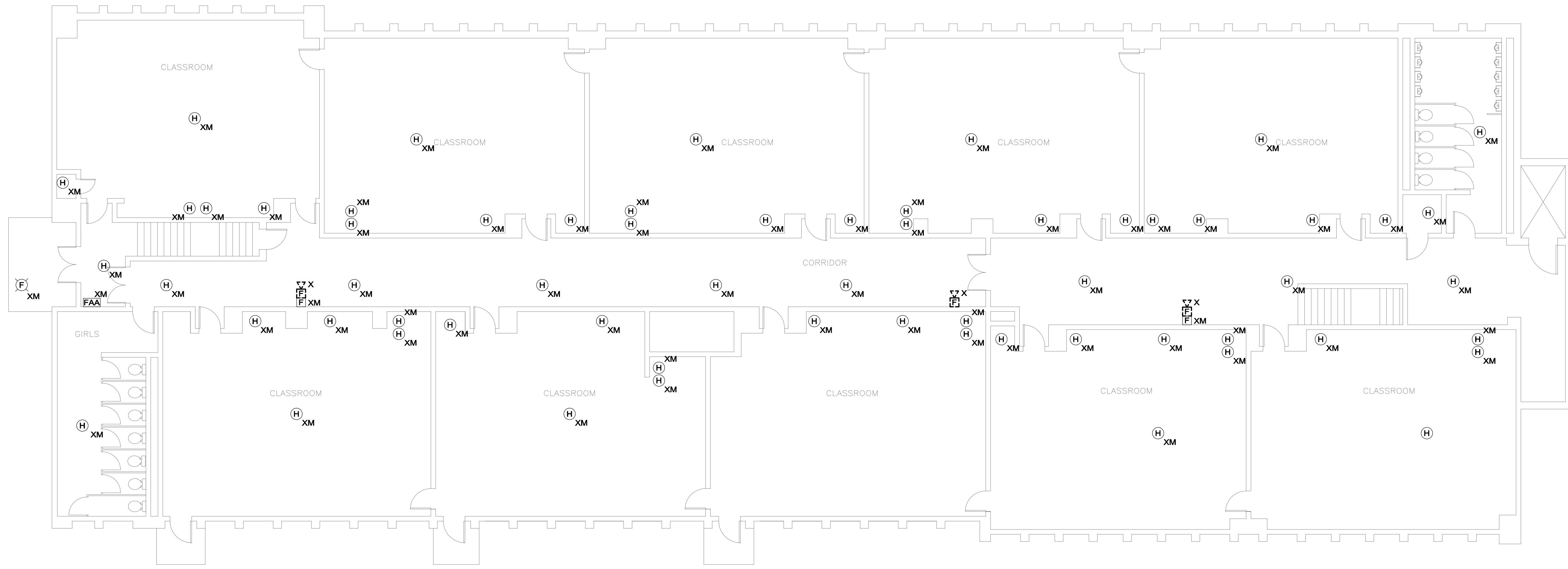
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SCALE
1/8" = 1'-0"

FIRE ALARM
FIRST FLOOR
DEMOLITION PLAN

90% PROGRESS
06-30-17





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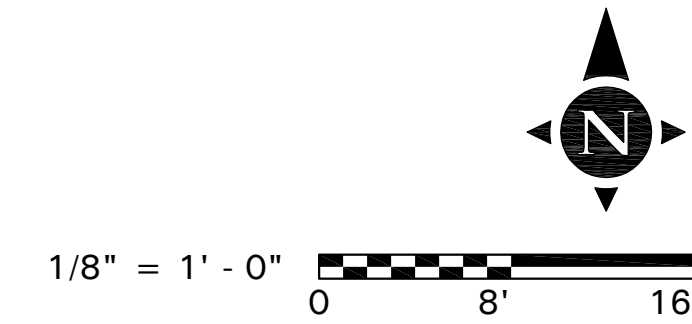
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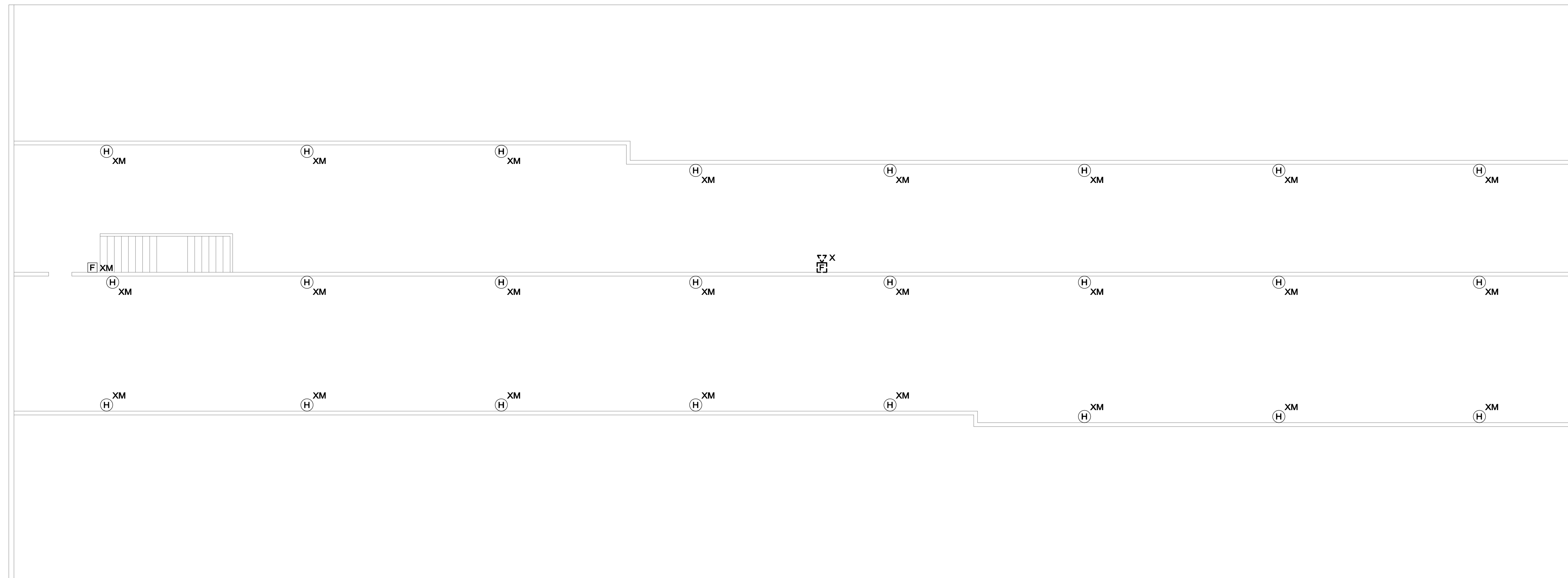
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90% PROGRESS
06-30-17

SCALE: 1/8" = 1'-0"
FIRE ALARM
SECOND FLOOR
DEMOLITION PLAN



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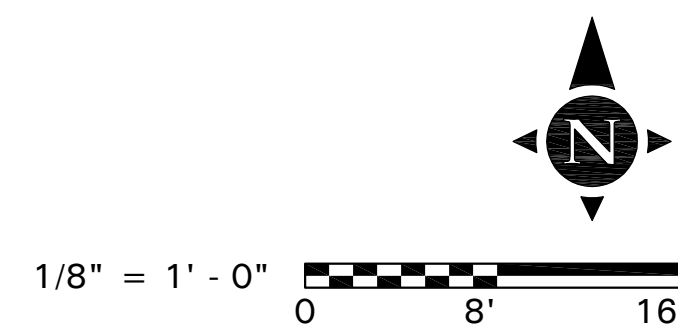
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FIRE ALARM
ATTIC DEMOLITION
PLAN

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- ALL DEMOLITION SCOPE ASSOCIATED WITH LOW VOLTAGE SYSTEMS INCLUDING BUT NOT LIMITED TO TELEPHONE, DATA, SECURITY, PAGING, CCTV, ETC. SHALL BE INCLUDED IN THIS CONTRACT.
- CIRCUIT TRACE AND LABEL ALL EXISTING BRANCH CIRCUITS AND FEEDERS WITHIN THE AREA OF DEMOLITION SCOPE PRIOR TO DE-ENERGIZING AND DISCONNECTION. ALL CIRCUITS WITHIN PANELBOARDS IDENTIFIED FOR REMOVAL SHALL BE TRACED AND LABELED TO ENSURE THAT NO AREA OUTSIDE THE DEMOLITION SCOPE LIMIT IS AFFECTED.
- DE-ENERGIZE AND REMOVE ALL CONDUCTORS AND RACEWAYS TO THEIR POINTS OF ORIGIN WITHIN THE AREA OF DEMOLITION SCOPE. ITEMS IDENTIFIED FOR DEMOLITION SHALL NOT BE ABANDONED IN PLACE. RACEWAYS THAT ENTER MASONRY WALLS AND FLOORS SHALL BE CUT FLUSH AT THE SURFACE FOR PATCHING BY OTHERS. ALL CIRCUIT BREAKERS ASSOCIATED WITH THE DEMOLITION SCOPE SHALL BE DE-ENERGIZED AND LABELED SPARE.
- THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN FULLY FUNCTIONAL DURING THE ENTIRE DEMOLITION AND CONSTRUCTION PERIOD. REUSE OF EXISTING FIRE ALARM SYSTEM RACEWAYS SHALL NOT BE ALLOWED. ALL REQUIRED SYSTEM SHUTDOWNS SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE AND THE AUTHORITY HAVING JURISDICTION. DEMOLITION OF THE EXISTING SYSTEM SHALL NOT COMMENCE UNTIL THE NEW SYSTEM HAS BEEN COMPLETELY INSTALLED, TESTED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- CREATE AND SUBMIT IMPAIRMENT PLANS TO THE AHJ IF ANY PORTION OF THE EXISTING FIRE ALARM SYSTEM IS TAKEN OUT OF SERVICE DURING THE EXECUTION OF THE PROJECT.

90% PROGRESS
06-30-17



FAD1.3

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REVISIONS

▲	DATE	CHK	DESCRIPTION

SEAL

PROJECT

NUMBER
20170327
DATE
6/30/17
TOWN OF SWAMPSCOTT
CLARKE ELEMENTARY
FIRE ALARM
REPLACEMENT
SWAMPSCOTT, MA

DRAWING

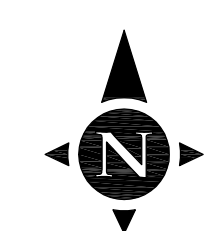
DRAWN BY
DF
CHECKED BY
MW
SCALE
1/8" = 1'-0"
FIRE ALARM
CRAWLSPACE PLAN

FIRE ALARM NOTES:

1. REFER TO DRAWING E0.00 FOR LEGEND, SYMBOLS AND GENERAL NOTES.
2. REFER TO ARCHITECTURAL DRAWINGS FOR ASSOCIATED NOTES, MOUNTING DETAILS, HEIGHTS AND EXACT LOCATIONS OF ALL DEVICES.
3. FIRE ALARM BRANCH CIRCUITRY SHALL BE INSTALLED IN CONDUIT FROM THE PANEL TO THE FIRST DEVICE AND/OR WHERE EXPOSED. FIRE ALARM BRANCH CIRCUITRY MAY BE TYPE MC CABLE WHERE CONCEALED ABOVE SUSPENDED CEILINGS AND IN METAL STUD WALLS.
4. MC CABLE FOR FIRE ALARM SERVICE SHALL HAVE A RED IDENTIFIER ALONG ITS ENTIRE LENGTH. JUNCTION BOX COVERS AND CONDUIT COUPLINGS FOR ALL FIRE ALARM WIRING RACEWAYS SHALL BE PAINTED RED PRIOR TO INSTALLATION.
5. MAINTAIN CONTINUITY OF BRANCH CIRCUITRY ASSOCIATED WITH ALL EXISTING FIRE ALARM DEVICES TO REMAIN.



90% PROGRESS
06-30-17



1/8" = 1' - 0"
0 8' 16'

FA1.0

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FIRE ALARM NOTES:

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REVISIONS

DATE	CHK	DESCRIPTION

SEAL

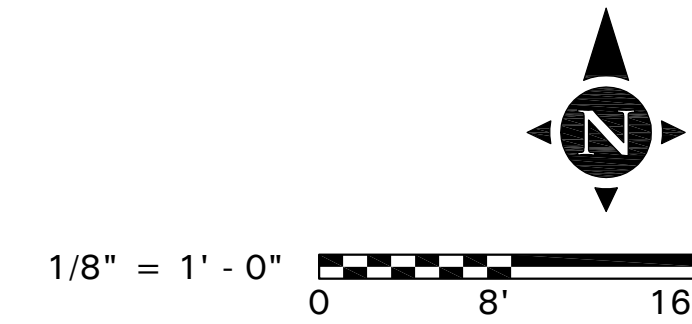
PROJECT

NUMBER
20170327
DATE
6/30/17
TOWN OF SWAMPSCOTT
CLARKE ELEMENTARY
FIRE ALARM
REPLACEMENT
SWAMPSCOTT, MA

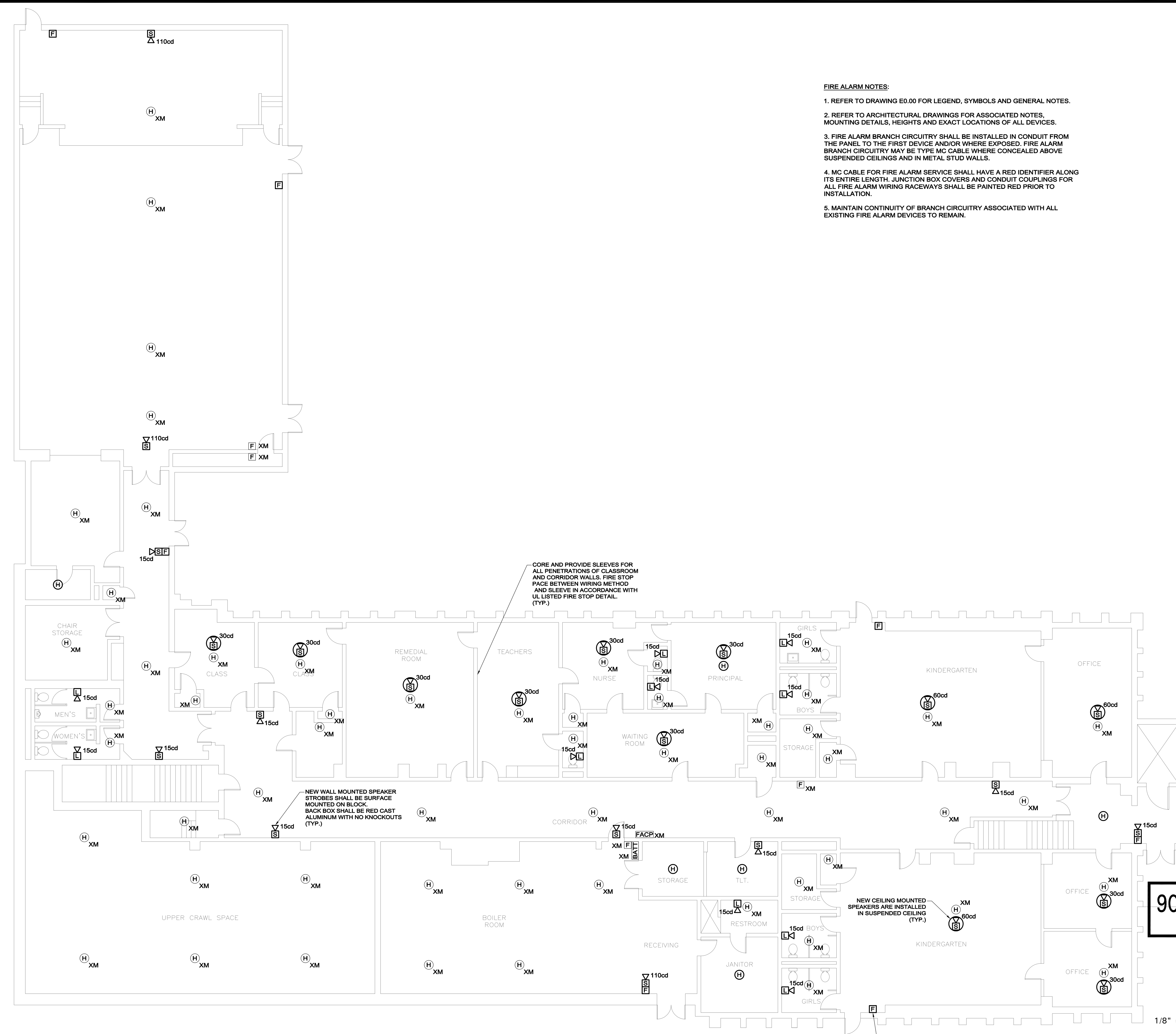
DRAWING

DRAWN BY
DF
CHECKED BY
MW
SCALE
1/8" = 1'-0"
FIRE ALARM
FIRST FLOOR PLAN

90% PROGRESS
06-30-17



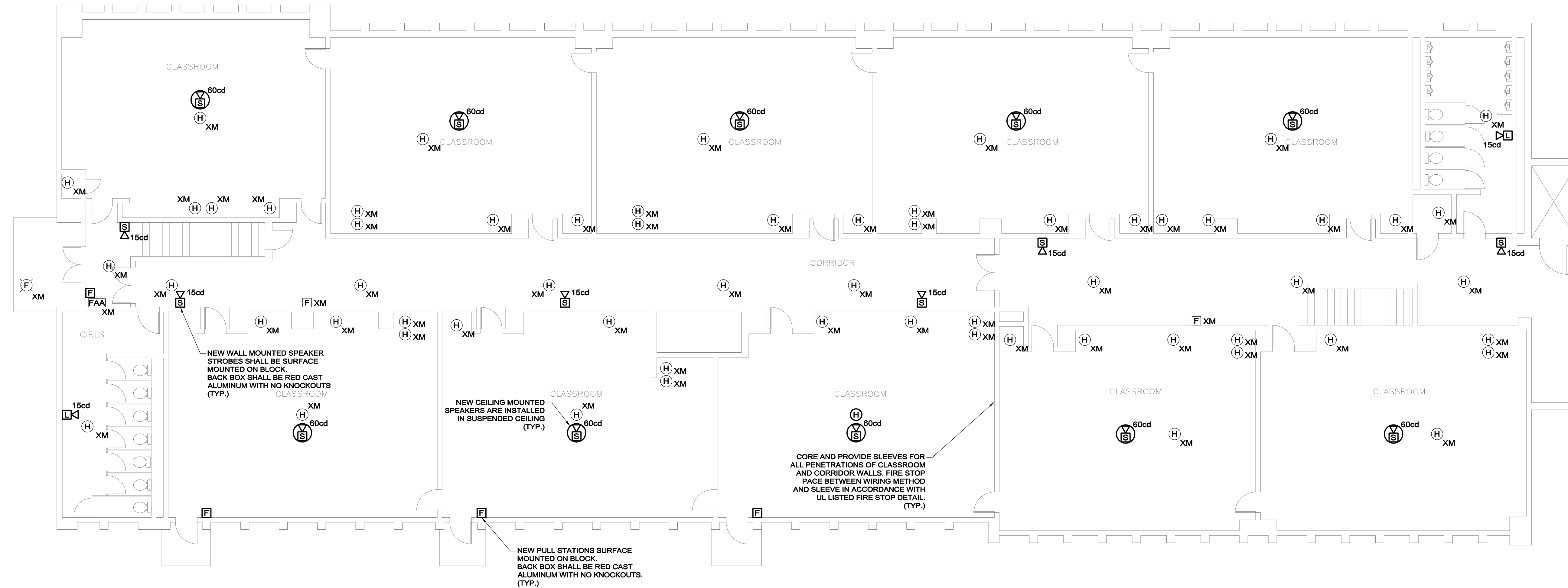
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FIRE ALARM NOTES:

1. REFER TO DRAWING E0.00 FOR LEGEND, SYMBOLS AND GENERAL NOTES.
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REVISIONS

DATE	CHK	DESCRIPTION

SEAL

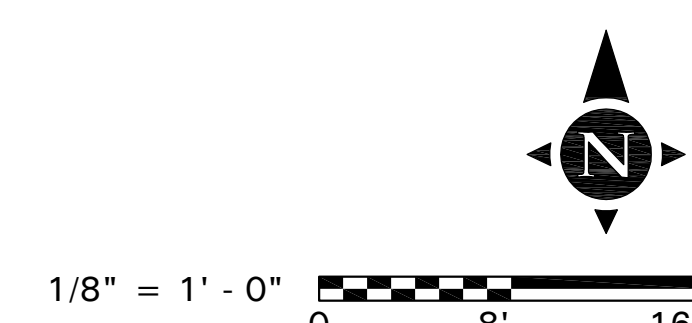
PROJECT

NUMBER: 20170327
DATE: 6/30/17
TOWN OF SWAMPSCOTT
CLARKE ELEMENTARY
FIRE ALARM
REPLACEMENT
SWAMPSCOTT, MA

DRAWING

DRAWN BY: DF
CHECKED BY: MW
SCALE: 1/8" = 1'-0"
FIRE ALARM
SECOND FLOOR PLAN

90% PROGRESS
06-30-17



FA1.2

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FIRE ALARM NOTES:

1. REFER TO DRAWING E0.00 FOR LEGEND, SYMBOLS AND GENERAL NOTES.
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PROJECT

NUMBER
20170327

DATE
6/30/17

TOWN OF SWAMPSCOTT
CLARKE ELEMENTARY
FIRE ALARM
REPLACEMENT
SWAMPSCOTT, MA

DRAWING

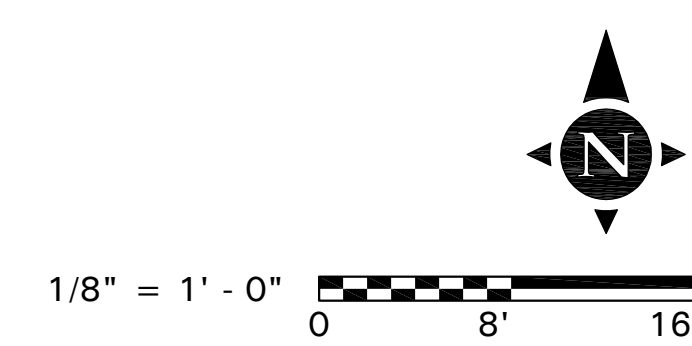
DRAWN BY
DF

CHECKED BY
MW

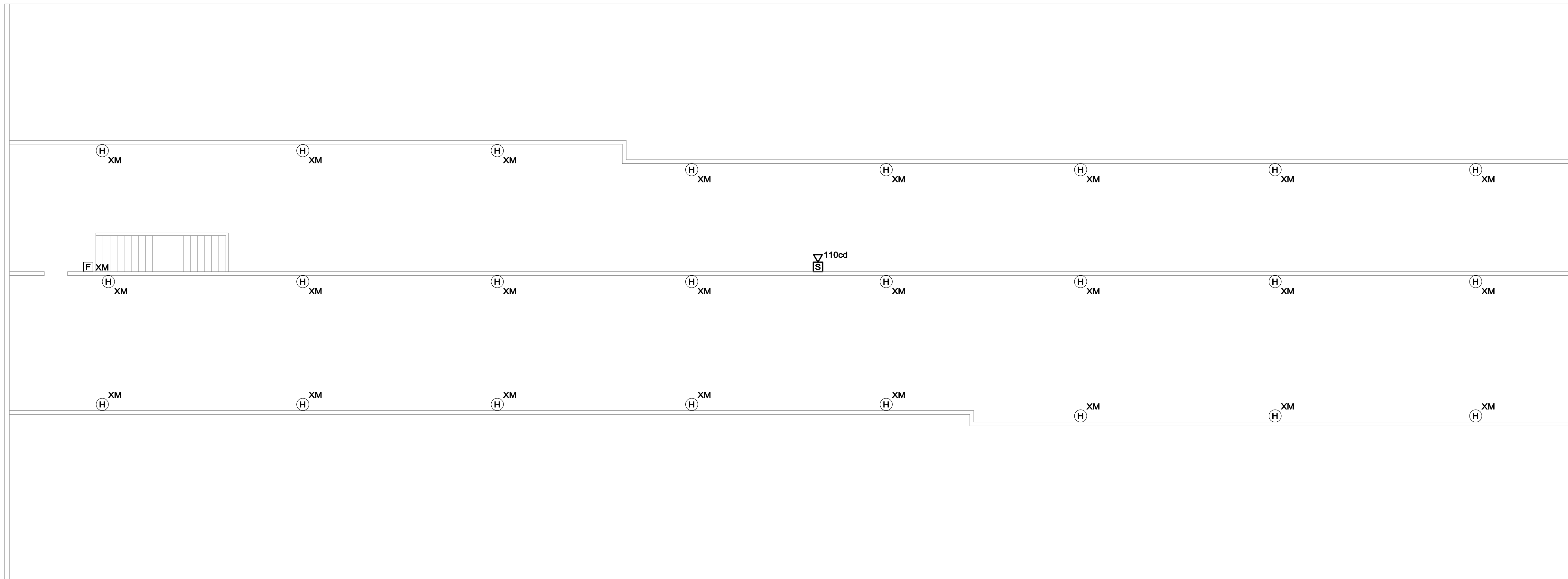
SCALE
1/8" = 1'-0"

FIRE ALARM
ATTIC PLAN

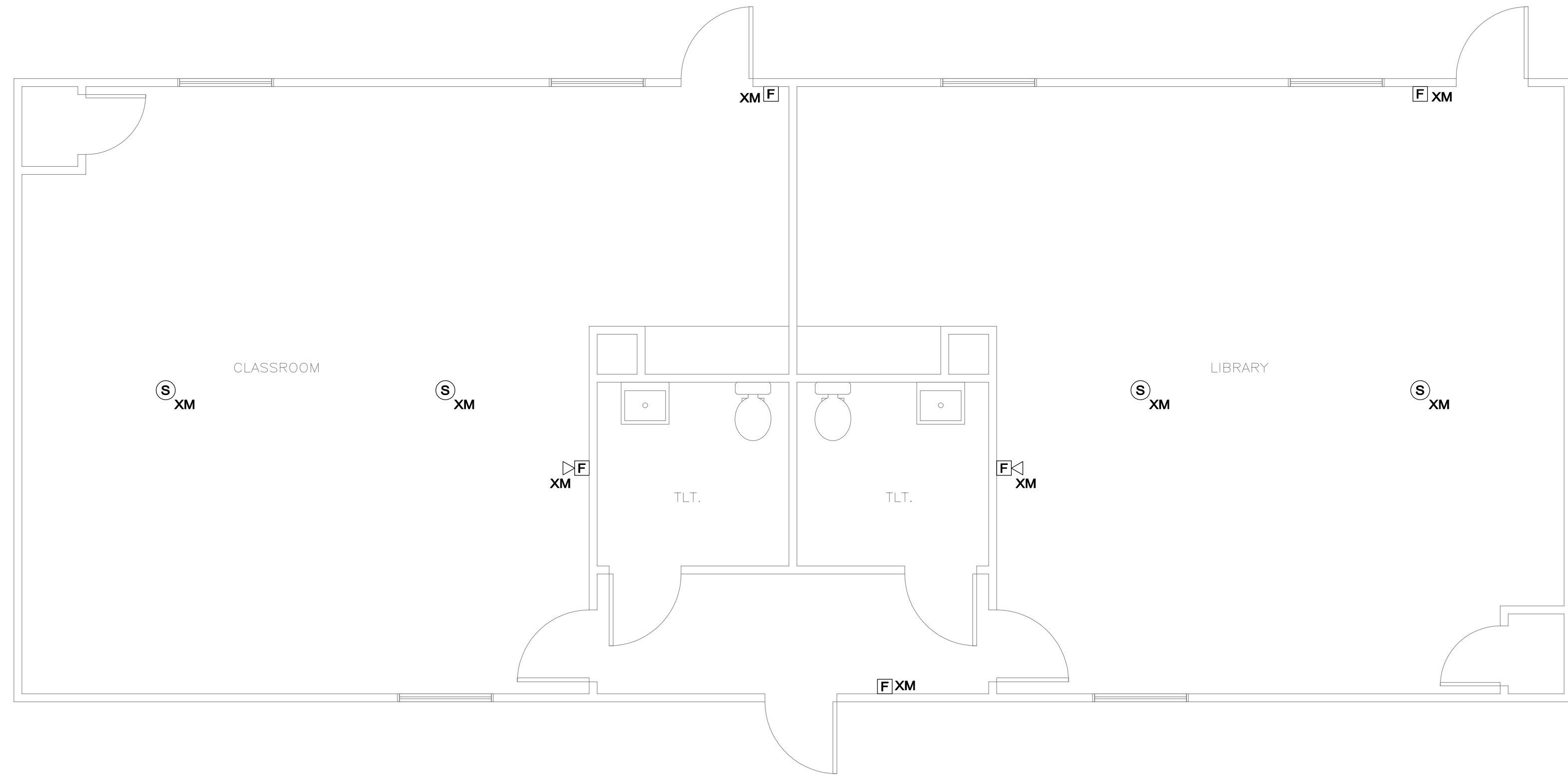
90% PROGRESS
06-30-17



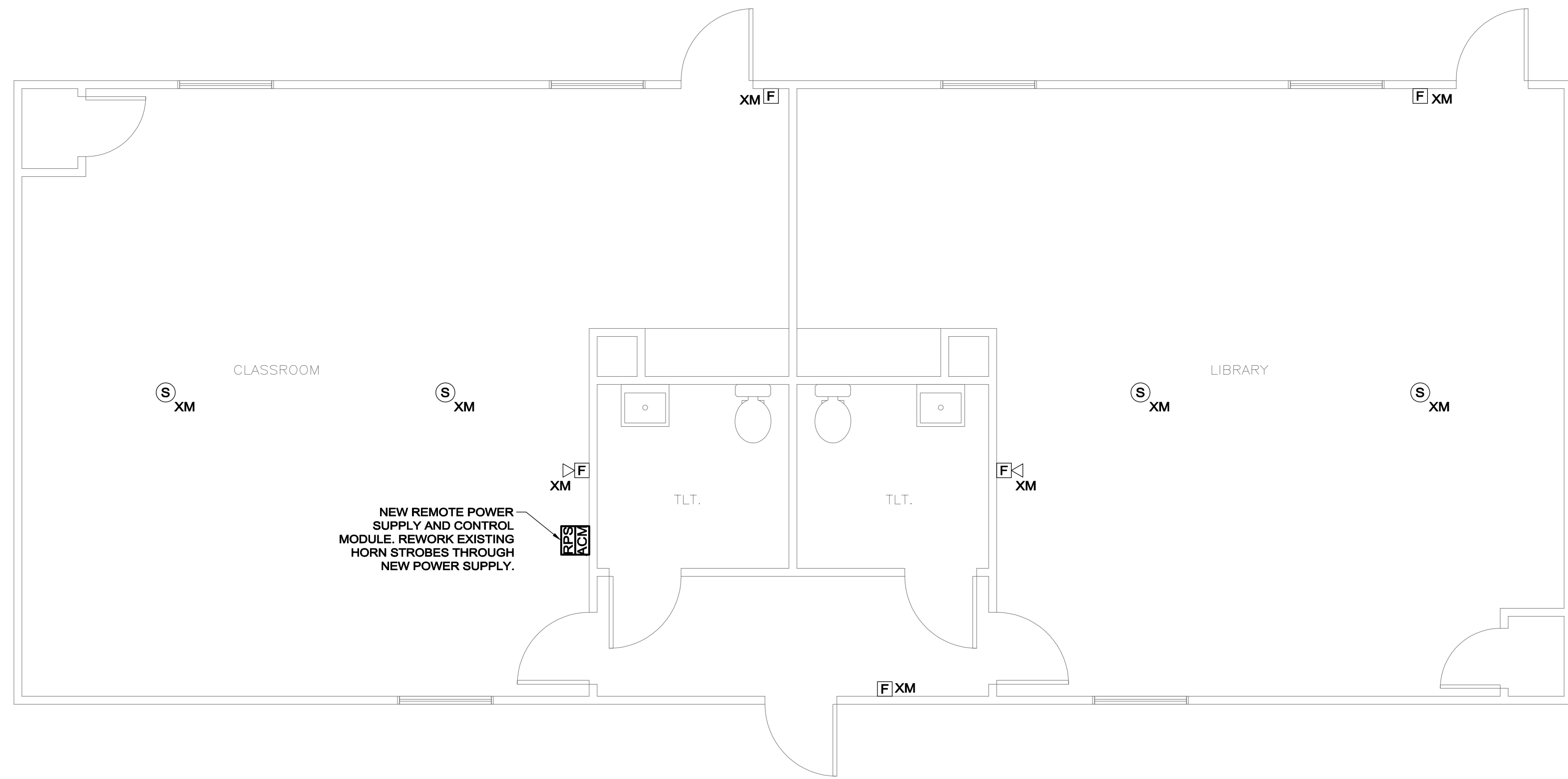
FA1.3



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PORTABLE DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



PORTABLE NEW WORK PLAN
SCALE: 1/4" = 1'-0"

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REVISIONS

▲	DATE	CHK	DESCRIPTION

SEAL

PROJECT

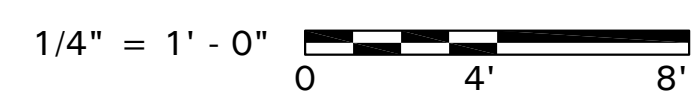
NUMBER: 20170327
DATE: 6/30/17
TOWN OF SWAMPSCOTT
CLARKE ELEMENTARY
FIRE ALARM
REPLACEMENT
SWAMPSCOTT, MA

DRAWING

DRAWN BY: DF
CHECKED BY: MW

90% PROGRESS
06-30-17

SCALE: 1/8" = 1'-0"
FIRE ALARM
PORTABLE
DEMOLITION AND
NEW WORK PLANS

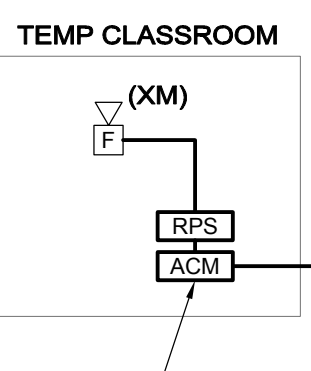


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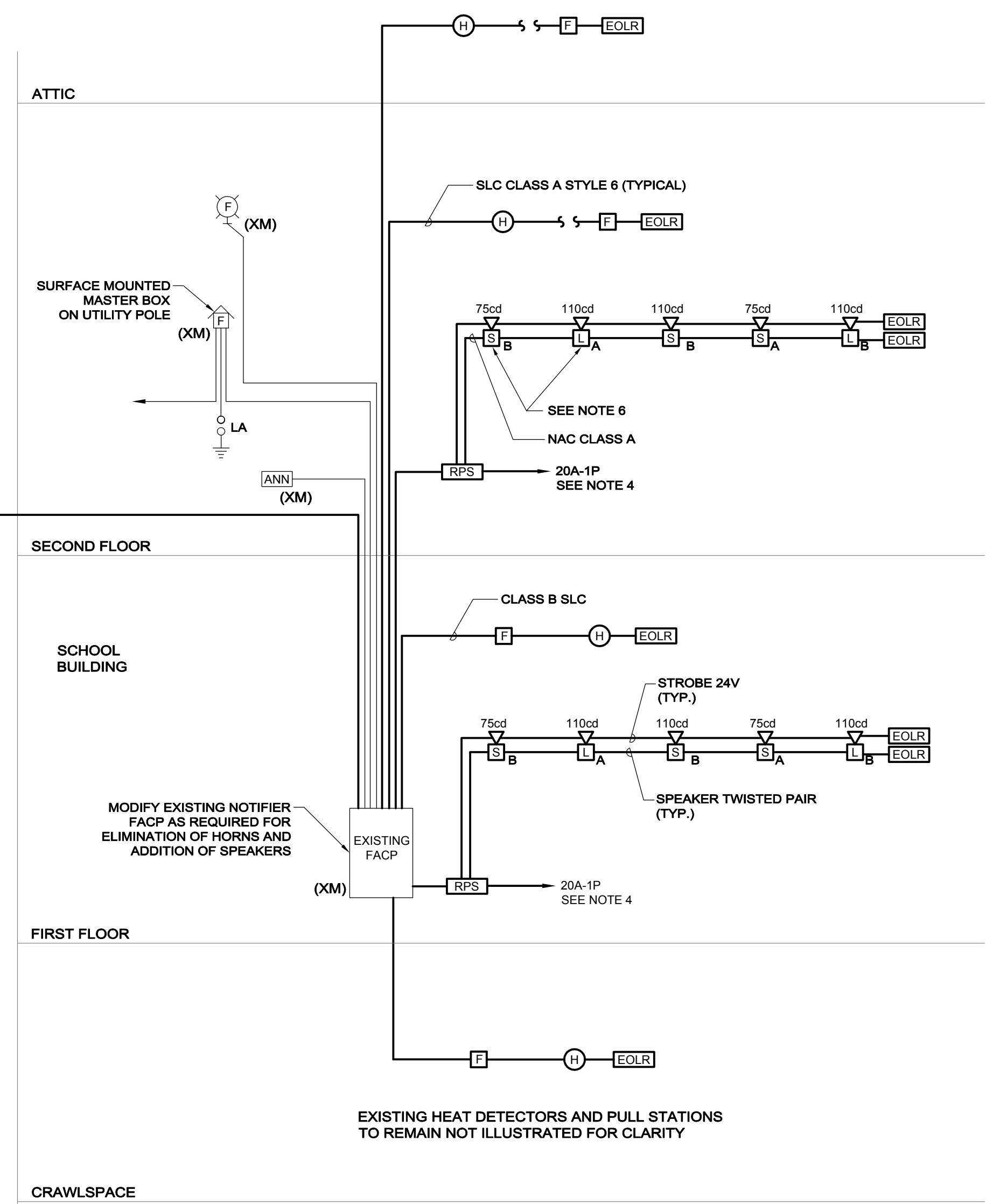
SYSTEM INPUTS	SYSTEM OUTPUTS																									
	CONTROL UNIT ANNUNCIATION													NOTIFICATION							REQUIRED FIRE SAFETY CONTROL					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1 MANUAL FIRE ALARM BOXES - CRAWLSPACE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 MANUAL FIRE ALARM BOXES - 1ST FLOOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3 MANUAL FIRE ALARM BOXES - 2ND FLOOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4 MANUAL FIRE ALARM BOXES - ATTIC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5 SMOKE DETECTORS - 1ST FLOOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6 SMOKE DETECTORS - 2ND FLOOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7 HEAT DETECTOR - CRAWLSPACE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8 HEAT DETECTOR - 1ST FLOOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9 HEAT DETECTOR - 2ND FLOOR	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10 HEAT DETECTOR - ATTIC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
11 FIRE ALARM AC POWER FAILURE																										
12 FIRE ALARM SYSTEM LOW BATTERY																										
13 OPEN CIRCUIT																										
14 GROUND FAULT																										
15 NOTIFICATION APPLIANCE CIRCUIT SHORT																										
16																										
17																										
18 SUPERVISORY																										
19 TROUBLE																										
20																										
21																										

FIRE ALARM SEQUENCE OF OPERATION MATRIX - STANDARD

- N.T.S.
- NOTE:
1. CONTRACTOR SHALL DEVELOP SPECIFIC MATRIX FOR EACH DEVICE AND CROSS REFERENCE TO DEVICE ADDRESS NUMBER FOR ENGINEER'S APPROVAL.
2. CONTRACTOR'S SHOP DRAWINGS SHALL INCLUDE FLOOR PLANS WITH DEVICE LAYOUT. EACH DEVICE SHALL HAVE ITS ASSOCIATED ADDRESS ILLUSTRATED AND CROSS REFERENCED TO THE SEQUENCE OF OPERATIONS MATRIX.
3. VISUAL APPLIANCES SHALL CONTINUE TO FLASH WHEN SILENCE FUNCTION SELECTED AT FIRE ALARM CONTROL PANEL.
4. EXISTING SEQUENCE SHALL REMAIN.
5. SPEAKERS SHALL BROADCAST A TEMPORAL THREE TONE ON ALARM CONDITION.



ADD CONTROL MODULE TO CONTROL NEW REMOTE POWER SUPPLY. THIS BUILDING SHALL NOT INITIATE ALARMS EXCEPT WITHIN THE PORTABLES BUILDING FOR AN ALARM ORIGINATING FROM THE PORTABLES BUILDING.
THE EVACUATION SIGNALS SHALL REMAIN HORN/STROBES IN THE PORTABLES BUILDING.



TYPICAL LOW RISE FIRE ALARM RISER
N.T.S.

- NOTES:
1. THIS DRAWING IS INTENDED TO ILLUSTRATE MAJOR EQUIPMENT AND THE INTENDED INTERCONNECTIONS. REFER TO THE FLOOR PLANS FOR EXACT LOCATIONS AND QUANTITIES OF DEVICES. REFER TO THE MANUFACTURER'S WIRING DIAGRAMS FOR INTERCONNECTION REQUIREMENTS. INTERCONNECTION DETAILS SHALL BE INCLUDED IN THE SHOP DRAWINGS WITH COMPONENT CUT SHEETS FOR REVIEW AND APPROVAL. THE SHOP DRAWING SUBMISSION SHALL INCLUDE DEVICE PLACEMENT LAYOUT DRAWINGS WITH ADDRESSES, RACEWAY AND WIRING INTERCONNECTION DETAILS ILLUSTRATED PHYSICALLY.
2. FIRE ALARM SYSTEM INSTALLATION SHALL BE IN CONFORMANCE WITH THE LATEST FIRE DEPARTMENT RULES, REGULATIONS, ALL APPLICABLE CODES, STANDARDS AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. PROVIDE SPEAKER/VISUAL POWER SUPPLIES SIZED TO ACCOMMODATE NOTIFICATION APPLIANCE QUANTITIES ILLUSTRATED WITH 40% ADDITIONAL SPARE CAPACITY. DISTRIBUTED AMPLIFICATION SHALL NOT EXCEED THAT WHICH IS ILLUSTRATED ON THE ONE-LINE.
4. PROVIDE UL LISTED LOCKING DEVICE FOR POWER SOURCE CIRCUIT BREAKER AND LABEL AS "FIRE ALARM CONTROL CIRCUIT" IN THE PANELBOARD DIRECTORY.
5. VISUAL APPLIANCES WITHIN SAME ROOM OF FIELD OF VIEW SHALL BE SYNCHRONIZED.
6. PROVIDE A MINIMUM OF (2) NAC TO EACH EVACUATION ZONE. ALTERNATE CONNECTION OF CIRCUITS TO EVERY OTHER DEVICE SUCH THAT APPROXIMATELY 50% OF THE NOTIFICATION APPLIANCES IN EACH AREA ARE SERVICED VIA EACH CIRCUIT. WIRING SHALL ACCOMMODATE CONTINUED STROBE OPERATION WHEN AUDIBLE DEVICES SILENCED.

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REVISIONS

DATE	CHK	DESCRIPTION

SEAL

PROJECT

NUMBER
20170327
DATE
6/30/17
TOWN OF SWAMPSCOTT
CLARKE ELEMENTARY
FIRE ALARM
REPLACEMENT
SWAMPSCOTT, MA

DRAWING

DRAWN BY
DF
CHECKED BY
MW
SCALE
NTS
FIRE ALARM
MATRIX AND
RISER

90% PROGRESS
06-30-17

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