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**Plymouth South High School**  
Plymouth, MA  
Ai3 Project # - 1308.00

**Addendum #2**

June 11, 2015

The attention of Bidders submitting proposals for Plymouth South High School is called to the following changes to the Bidding Contract Documents dated May 21, 2015 as prepared by Ai3 Architects, LLC. The items set forth therein below, whether of revision, omission, addition, substitution or clarification are all to be included as changes to Information to Bidders, the Conditions of the Contract, Specifications & Drawings of the Contract.

**The number of this Addendum (Number 2) must be entered in the appropriate spaces provided on the Form for General Bid, & Form for Sub-Bid.**

**ATTACHMENTS:**

**SKC-002**

**SKL-002 through SKL-003**

**SKA-007 through SKA-026**

**SKFP-002 through SKFP-014**

**SKP-016 through SKP-023**

**SKE-024 through SKE-070**

**SKM-003 through SKM-006**

**SKT-001 through SKT-004**

**SPECIFICATIONS:**

ADD 2-001 Page 00 52 00-1, Section AGREEMENT, Article 2, INSERT the following "The Contractor shall bring the work to Complete Completion on August 12, 2018."

AFTER the following: "...Completion on May 12, 2017."

ADD 2-002 Document 00 54 22 – Bid Attachment - Unit Prices Schedule shall be submitted by the General Bidders only and must be included with Document 00 41 13 Form for General Bid. Filed sub-bidders are not required to submit this attachment with Document 00 41 14 Sub-Bid Form.

ADD 2-003 Page 00 01 10-4, Section 00 01 10, TABLE OF CONTENTS, Division 09 - Finishes, AFTER the words "Section 09 51 00 \*Acoustical Ceilings (\* Filed Sub-Bid Required)" DELETE the words "as part of Section 09 00 05".

ADD 2-004 Page 05 50 00-1, Section METAL FABRICATIONS, Article 1.2, Paragraph B  
CLARIFICATION: Pipe bollards are to be furnished by Miscellaneous and Ornamental Iron Filed Sub Bidder as indicated in subparagraph 5.

- ADD 2-005 Page 06 20 00-12, Section FINISH CARPENTRY, Article 2.12, Paragraph B, DELETE the words “recess by nominally 3/4 inch deep” INSERT the following sentence:
- “Depth of channel shall match thickness of adjacent panel.”
- AFTER “reveal channel.”
- ADD 2-006 Page 07 53 23, Section ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, CLARIFICATION: It is the Contractor’s responsibility to provide a roof system that meets all warranty and performance requirements as stated in the Project Manual.
- ADD 2-007 Page 07 53 23-1, Section 07 53 23, ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 1.2, DELETE Paragraph C in its entirety and INSERT the following new Paragraph:
- C. Coordinate with infrared survey of completed roof assembly performed by independent third party testing agency hired by the Enclosure Commissioning Agent, Comply with requirements of Section 01 91 19 – Exterior Enclosure Commissioning.
- ADD 2-008 Page 07 53 23-7, Section ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 1.12, Paragraph A, subparagraph 3, REMOVE “100” and REPLACE with “110”
- ADD 2-009 Page 07 53 23-8, Section ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 2.2, Paragraph B, subparagraph 1, REMOVE subparagraph a in its entirety and REPLACE with the following:
- a. Additional Design Uplift Pressure Requirements: In addition to the manufacturer’s warranty requirements, install the specified roof system to withstand a design uplift pressure of 90 psf. Only to establish criteria, the installation and associated fastening should be consistent with FM1-28 and 1-29, with regards to the increased fastening density on the perimeter and corners of roof areas.
- ADD 2-010 Page 07 53 23-8, Section ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 2.4, Paragraph C, CLARIFICATION: Extruded Polystyrene roofing insulation shall be used on this project.
- ADD 2-011 Page 07 53 23-9, Section ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 2.4, Paragraph D, REMOVE dimension of “1/2 inch” and REPLACE with dimension “5/8 inch”.
- ADD 2-012 Page 07 53 23-9, Section 07 53 23, ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 2.5, DELETE Paragraph A in its entirety.
- ADD 2-013 Page 07 53 23-10, Section 07 53 23, ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 2.5, INSERT the following new Paragraph:
- O. Vapor Barrier: Polymeric air/vapor barrier membrane protected by release paper on cross-laminated polyethylene carrier film with exposed polymeric membrane strips on both sides protected by pull-off release strips.
    - 1. Water Vapor Permeance (free film), ASTM E 96, Procedure B: 0.035 Perms.
    - 2. Acceptable products include the following or approved equal:
      - a. Carlisle Syntec, product: 725TR vapor retarder.
      - b. Firestone, products “V-force” membrane.
      - c. W.R. Meadows, Inc., product “Air Shield Air/Vapor Barrier System”.
      - d. Substitutions: Roofing manufacturer’s proprietary vapor barriers will be considered as acceptable alternative.

- ADD 2-014 Page 07 53 23-12, Section ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 3.5  
CLARIFICATION: Insulation to be mechanically fastened.
- ADD 2-015 Page 07 53 23-14, Section 07 53 23, ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING,  
Article 3.8, Paragraph D, DELETE subparagraph 2 in its entirety.
- ADD 2-016 Page 07 53 23-14, Section 07 53 23, ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING,  
Article 3.8, DELETE Paragraph E in its entirety.
- ADD 2-017 Page 07 53 23-15, Section ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 3.10,
- ADD 2-018 Page 07 62 00-1, Section SHEET METAL AND FLASHING TRIM, Article 1.2, Paragraph B,  
CLARIFICATION: Flashing material to be furnished to Section 04 20 00 – Unit Masonry shall be Aluminum  
as specified in section 07 62 00, Article 2.1.
- ADD 2-019 Page 07 72 00-5, Section 07 72 00, ROOF ACCESSORIES, Article 2.3, Paragraph A, REMOVE dimension  
“6'-0” by 12'-0”” and REPLACE with dimension “5'-6” x 12'-0””
- ADD 2-020 Page 07 92 00-10, Section JOINT SEALANT, Article 3.7  
CLARIFICATION: Waterproofing, Dampproofing and Caulking Filed Sub-Bidder is responsible for site  
sealant between materials and conditions listed in Article 3.7 and throughout the Construction Documents.
- ADD 2-021 Page 08 80 00-1, Section 08 80 00, GLAZING, Article 1.2, Paragraph A, subparagraph 4, AFTER the word  
“Frameless” INSERT the words “and framed”.
- ADD 2-022 Page 08 80 00-1, Section 08 80 00, GLAZING, Article 1.2, Paragraph A, DELETE subparagraph 6 in its  
entirety.
- ADD 2-023 Page 08 80 00-1, Section GLAZING, Article 1.2, Paragraph A, subparagraph 7, REMOVE the word “lobbies”  
and REPLACE with the word “gymnasium”
- ADD 2-024 Page 08 80 00-5, Section 08 80 00, GLAZING, Article 2.1, Paragraph A, DELETE subparagraph 6 in its  
entirety.
- ADD 2-025 Page 08 80 00-7, Section 08 80 00, GLAZING, Article 2.3, Paragraph E, AFTER the words “Glass Type 5:”  
DELETE the word “Frameless”.
- ADD 2-026 Page 08 80 00-7, Section GLAZING, Article 2.3, Paragraph G  
CLARIFICATION: Refer to Monumental Stair Details and RCP’s for location and additional information  
regarding the Smoke Barrier.
- ADD 2-027 Page 08 80 00-8, Section 08 80 00, GLAZING, DELETE Article 2.4 in its entirety.
- ADD 2-028 Page 08 80 00-10, Section 08 80 00, GLAZING, Article 2.6, INSERT the following new Paragraphs:
- H. Glazing channel: ½ inch glazing channel fabricated from extruded aluminum with a satin finish.
  - I. Aluminum male-female standoffs: 1 inch diameter cap by 2 inch depth aluminum standoff  
system with satin finish and neoprene washers.
    - 1. Subject to requirements specified herein, the following products are acceptable, or  
approved equal:
      - a. Gyford Productions, Reno NV.

- b. Accurate Screw Machine, Fairfield NJ.
- c. C. R. Laurence Company Inc, Los Angeles CA.

- ADD 2-029 Page 08 80 00-11, Section GLAZING, Article 3.2,  
CLARIFICATION: Dry-Glazing installation to be as specified in Article 3.2.
- ADD 2-030 Page 08 80 00-12, Section 08 80 00, GLAZING, Article 3.4, INSERT the following new Paragraph:  
E. Framed mirrors: Provide continuous frame with mitred corners and required accessories to secure mirror in frame. Pre-drill glazing in locations approved by the Architect to receive standoffs. Secure standoffs to framing or blocking with washers and place glazing in locations indicated on the Drawings.
- ADD 2-031 Page 09 30 13-5, Section CERAMIC TILING, Article 2.2, Paragraph A  
CLARIFICATION: Ceramic mosaic tile is located in the Toilet and Shower rooms according to the Room Finish Schedule on drawing A7.01. Drawing A7.02, details 8 & 9, represent a sample floor pattern of these spaces.
- ADD 2-032 Page 09 30 13-7, Section CERAMIC TILING, Article 2.4, Paragraph A  
CLARIFICATION: Cementitious backing board shall be installed but not limited to the following location, interior walls. Refer to interior door details, interior window details, interior elevations, and interior wall sections for additional information.
- ADD 2-033 Page 09 30 16-5, Section 09 30 16, QUARRY TILING, Article 2.5, DELETE Paragraphs A and B in their entirety and INSERT the following new Paragraphs:  
A. Mortar bed (factory pre-mixed) for thick-set applications: Acceptable products include the following or approved equal:  
1. Mapei product: "3 to-1" with "Planicrete 50" additive.  
2. Laticrete product number 226 with number 3701 additive.  
3. Custom Building Products "Fast Setting Thick Bed Mortar"  
B. Slurry mix bond coat for thickset applications: Portland cement, silica sand and latex admix in proportions recommended by additive manufacturer. Acceptable products include the following or approved equal:  
1. Portland cement/sand mix: Laticrete product number 211, "Crete Filler Powder" or approved equal or field mix the following:  
a. Portland Cement: Conforming to ASTM C 150, Type 1.  
b. Sand: Fine silica sand (40 to 60).  
2. Latex additive:  
a. Mapei product: "Planicrete 50".  
b. Laticrete product number 4237.  
c. Custom Building Products "Custom Crete"
- ADD 2-034 Page 09 30 16-6, Section 09 30 16, QUARRY TILING, Article 2.5, INSERT the following new Paragraphs:  
D. Reinforcing mesh: ASTM A 185 3 by 3 inch (75mm by 75mm) size weave of 13/13 wire size; welded fabric, galvanized. Provide in flat sheets, or flatten prior to installation.  
E. Tie wire: 18 gage soft galvanized annealed wire.
- ADD 2-035 Page 09 30 16-8, Section 09 30 16, QUARRY TILING, DELETE Article 3.6 in its entirety and INSERT the following new Article:  
3.6 FLOORING INSTALLATION – TCNA NUMBER F114

- A. Description: Thick (mud) set tile installation with tile installed using portland cement past on workable mortar bed.
- B. General: Install in accordance with ANSI A108.1A, TCNA installation method number F111 and as additionally specified herein below. Apply materials in strict accordance with the written instructions and recommendations of setting materials manufacturer.
  - 1. Setting materials:
    - a. Cleavage membrane.
    - b. Wire reinforcing.
    - c. Portland cement mortar bed.
    - d. Bond Coat: Portland cement paste over workable mortar bed.
  - 2. Grout materials: Epoxy grout (ANSI A118.3).
- C. Install cleavage membrane:
- D. Install portland cement mortar leveling bed to a nominal thickness of 1-1/2 inch upwards of 2 inches thickness. Level top with other abutting flooring finish substrates. Screed finish surface.
- E. Install tile over workable mortar bed using unmodified (non-latex) portland cement bond coat.
- F. Grouting:
  - 1. Allow tile to fully set prior to grouting; do not grout in less than 48 hours after installation of tile.
  - 2. Grout tile joints in accordance with ANSI A108.10 and as additionally specified.

- ADD 2-036 Page 09 30 19-6, Section PAVER TILING, Article 2.2, Paragraph A, subparagraph d, REMOVE tile size of "13 inches by 40 inches" and REPLACE with tile size "23 inches by 23 inches"
- ADD 2-037 Page 09 30 19-6, Section PAVER TILING, Article 2.2, Paragraph A, subparagraph 1, subparagraph k, REMOVE color "Black Out" and REPLACE with color "Night Night".
- ADD 2-038 Page 09 30 19-8, Section 09 30 19, PAVER TILING, Article 2.3, DELETE Paragraph G in its entirety.
- ADD 2-039 Page 09 30 19-8, Section 09 30 16, PAVER TILING, Article 2.3, INSERT the following new Paragraphs:
  - B. Cleavage membrane: ASTM D 226 Number 15 asphalt saturated felt or ASTM D 2103, polyethylene film, 4 mil thick.
  - C. Reinforcing mesh: ASTM A 185 2 by 2 inch (50mm by 50mm) size weave of 16/16 wire size; welded fabric, galvanized. Provide in flat sheets, or flatten prior to installation.
  - D. Tie wire: 18 gage soft galvanized annealed wire.
- ADD 2-040 Page 09 51 00-7, Section ACOUSTICAL CEILINGS, Article 2.2, Paragraph B, subparagraph 4, DELETE subparagraph a in its entirety.
- ADD 2-041 Page 09 51 00-8, Section ACOUSTICAL CEILINGS, Article 2.2, Paragraph E, subparagraph 1 – Color, subparagraph a, INSERT the following: "Rm. 123 – Small Group Seminar, Rm. 223 – Small Group Seminar, " AFTER the following: "Provide black panels at".
- ADD 2-042 Page 09 51 00-8, Section ACOUSTICAL CEILINGS, Article 2.2, DELETE Paragraph F in its entirety. ACT Type-6 is not used on this project.
- ADD 2-043 Page 09 51 00-10, Section 09 51 00, ACOUSTICAL CEILINGS, Article 2.3, Paragraph A, AFTER the words "ceiling grids: 15/16 inch exposed tee grid in" DELETE the word "white".

- ADD 2-044 Page 09 51 00-10, Section 09 51 00, ACOUSTICAL CEILINGS, Article 2.3, Paragraph B, AFTER the words "suspension system (or all aluminum tee system), in" DELETE the word "white".
- ADD 2-045 Page 09 51 00-10, Section ACOUSTICAL CEILINGS, Article 2.3, DELETE Paragraph C in its entirety. Interlude system referenced is not used on this project.
- ADD 2-046 Page 09 51 00-10, Section ACOUSTICAL CEILINGS, Article 2.4, Paragraph A,  
CLARIFICATION: Universal Grid system shall be installed as required to support the Acoustical Ceiling, whether to avoid other obstructions or to span between acceptable mounting points. Refer to Article 1.4 – Related Requirements for additional information.
- ADD 2-047 DELETE Section 09 67 66, FLUID-APPLIED ATHLETIC FLOORING, in its entirety.
- ADD 2-048 Page 09 91 23-5, Section INTERIOR PAINTING SCHEDULE, Article 1.3, Paragraph D, subparagraph 4, DELETE subparagraph a. Potable water & subparagraph b. Non-potable water in their entirety.
- ADD 2-049 Page 09 91 23-6, Section INTERIOR PAINTING SCHEDULE, Article 1.3, Paragraph G,  
CLARIFICATION: Paragraph G is part of the painter's scope of work.
- ADD 2-050 Page 06 20 00-12, Section FINISH CARPENTRY, Article 2.12, Paragraph H, REMOVE the words "6 inch" and REPLACE with "3 inch". REMOVE the words "number "TM1B" with "TMLID1"" and REPLACE with "number "EPD"
- ADD 2-051 Page 11 31 00-3, Section APPLIANCES, Article 2.2, Paragraph G, REMOVE "Workshop 167B" and REPLACE with "Custodian Receiving & General Supply 145H, Storage 104C, Mop Room 149B, Athletic Support 171C, Lockers 107D"
- ADD 2-052 Page 11 31 00-3, Section APPLIANCES, Article 2.2, Paragraph H, REMOVE "Workshop 167B" and REPLACE with "Custodian Receiving & General Supply 145H, Storage 104C, Mop Room 149B, Athletic Support 171C, Lockers 107D"
- ADD 2-053 Page 11 31 00-4, Section APPLIANCES, Article 2.2, DELETE Paragraph K in its entirety.
- ADD 2-054 Page 11 31 00-4, Section APPLIANCES, Article 2.2, DELETE Paragraph O in its entirety.
- ADD 2-055 Page 21 00 00-2, Section FIRE SUPPRESSION, Article 1.3, Paragraph A, subparagraph 1, INSERT the following "C4.1, C4.2," BEFORE the text "C4.3"
- ADD 2-056 Page 21 00 00-2, Section 21 00 00, SCOPE OF WORK, Article 1.3,  
Subparagraph 1, ADD to end of paragraph:  
Fire Protection contractor to coordinate and own all the fire piping/hydrants per MGL 146, section 81 as noted on civil drawings C4.3 and C4.4. Fire Protection contractor to own all testing/flushing of the complete system. Fire Protection contractor not responsible for any excavation/trenching, backfill, gravel bedding, concrete thrust blocks.  
Subparagraph 14, DELETE, 4 inch and replace with 4 inch.  
Subparagraph 15, ADD to end of paragraph:  
Testing and maintenance of the existing fire pump, inspection and full maintenance of the entire pump assembly, diesel engine, all fire pump pipe, fittings, components, fuel tank/fittings, pump oil analyst for metals, alarm devices, fire pump/jockey pump, controllers, pump room elements, wet (water) pit entry screens/rack cleaning, water pond debris/cleaning assessment. All work/evaluations should be perform in accordance with NFPA-25, 2011 edition. Complete report provided with documenting assessments, deficiencies and corrective action required.

- ADD 2-057 Page 21 00 00-3, Section 21 00 00, WORK NOT INCLUDED, Article 1.4,  
ADD subparagraph 4, Division 03 – Concrete, section 03 30 00 Cast-in Place Concrete
- ADD 2-058 Page 21 00 00-10 , Section 21 00 00, PROCEDURE FOR TESTING, Article 1.30, paragraph H shall be  
modified to read as follows:  
REMOVE, NFPA 14 and replace with NFPA 24
- ADD 2-059 Page 21 00 00-16, Section 21 00 00, FIRE DEPARTMENT CONNECTIONS, Article 2.13, ADD the following  
subparagraph B.  
Roof fire department connection shall be Potter-Roemer Figure 5871 with free standing extension, and 2-  
1/2” fire department valves.
- ADD 2-060 Page 21 00 00-18, Section 21 00 00, WORKING PLANS, FLOW TEST AND HYDRAULIC CALCULATIONS,  
Article 3.4, DELETE subparagraph D
- ADD 2-061 Page 22 00 00-15, Section 22 00 00, PIPE AND FITTING, Article 2.2, paragraph B, sub-paragraph 1 ADD to  
end of paragraph.  
Above slab, non-flame polypropylene pipe will be allowed below slab.
- ADD 2-062 Page 22 00 00-31, Section 22 00 00, PLUMBING FIXTURES Article 2.34, add General Note:  
Soldered stops at plumbing fixtures will be allowed or IPS.
- ADD 2-063 Page 22 00 00-33, Section 22 00 00, PLUMBING FIXTURES, Article 2.34, paragraph H, and Remove the  
following from P-5 fixture.  
Shower basin to be Fait Products model 36-MFT 36” X 36” Pre-Cast Terrazzo.  
Add in its place: Shower basin to be constructed in place by General Contractor.
- ADD 2-064 Page 23 00 00-30, Section 23 00 00, DUCTLESS SPLIT FANCOIL SYSTEM, Article 2.11, paragraph B shall  
be modified to read as follows:  
“B. The units shall have a manufacturer’s warranty for a period of two (2) years from date of start-up or  
substantial completion, whichever occurs later. The compressor shall have a warranty of six (6) years from  
date of installation. If, during this period, any part should fail to function properly due to defects in  
workmanship or material, it shall be replaced or repaired at the site of installation.”
- ADD 2-065 Page 23 00 00-35, Section 23 00 00, DUST COLLECTOR SYSTEM, Article 2.12, Add the following  
paragraph:  
“V. Warranty: Manufacturer shall provide a full parts warranty for two (2) years from start-up or  
substantial completion, whichever occurs later.”
- ADD 2-066 Page 23 00 00-35, Section 23 00 00, DUST COLLECTOR SYSTEM, Article 2.12, Add the following  
paragraph:  
“L. Filter Access:  
1. PowerCore Filter Pacs are easily accessed from the exterior clean side of the collector  
via an access door on top of the collector. Filter removal and replacement can be  
accomplished from outside the collector without the need for tools.  
2. Stationary Platform including welded platform, railing system with safety bar knee  
bracing and ladder, painted safety yellow.”

"X. Spark Detection and Extinguishment System:

1. The spark detection and extinguishing system shall be a micro-processor based system designed to detect and extinguish a spark before it reaches other downstream processes or filtration equipment, thus eliminating the potential for fires and explosions.
2. System must be Factory Mutual Approved, and approval report number must be listed.
3. Control Cabinet:
  - a. Control cabinet shall be fully microprocessor based with an event recorder capable of memory of at least 2,500 events. This memory shall be a circular memory so as to feed out the old and input the new when the memory is full. Control Console shall be equipped with RS-485 Serial Port for interface to a remote printer or computer. Control Console shall also be equipped for optional built-in event printer.
  - b. Control cabinet shall have a user-friendly operating menu with critical operation parameters password protected for security.
  - c. The control cabinet shall receive the alarm signal from the spark sensor and immediately activate the extinguishing assembly and relay contacts. An LCD readout shall be provided to indicate the affected zone, date of the alarm, time of the alarm, the number of sparks, the length of extinguishment and whether the threshold setting of number of sparks or length of extinguishment has been exceeded. A visual light for alarm and water flow will also be indicated.
  - d. The control cabinet shall be programmed to allow the extinguishing system to function without interrupting production, provide minimum volume of water necessary for extinguishment and be capable of activating two separate dry relay contacts; i.e., from a first spark alarm or when exceeding a pre-set threshold due to either a continuous extinguish-ment or a pre-set number of sparks in a preset time frame. The extinguishing threshold and the spark threshold shall be adjustable to the customer's requirements.
  - e. The control cabinet shall provide a constant visual readout of extinguishments during a specific period of time. A battery back-up emergency power supply will be provided to assure continued operation upon main power failure.
  - f. The control cabinet shall have a NEMA 12 rating, non-ventilated and microprocessor based with solid-state circuitry. Terminal connections should have easy access, and all components should be plug-in type. The internal components should be easily removable and replaceable if maintenance is required.
  - g. The control cabinet shall provide powered terminals for an external horn or light device, summation alarm and trouble dry contacts, trouble contacts for system disabled and alarm contacts to monitor for water flow and low water pressure.
  - h. The control cabinet shall be either wall mounted or free standing, and require 120 volt AC power supply with all working voltage, internal and external, to be 15/24 volt DC and a wire requirement of no more than three (3) wires for the sensors and two (2) wires for the valve. No AC voltage is to be run next to sensor or valve wiring or within the conduit.
  - i. Testing of each sensor shall be automatic at four (4) hour intervals. In addition, the system shall have the capability of manual testing of the sensors and water flow. System integrity shall be monitored at all times by the control console components and shall produce an alarm in case of any system troubles.
4. Spark Sensors:
  - a. The standard spark sensors are to be located in ducts susceptible to sparks. Sensor shall be an infrared type sensor responsive to radiation in the 800 to 1,100 nanometer range with a mean temperature of 600 °C (1,112 °F) and operate in an air stream temperature not to exceed 158 °F. An optional high temperature sensor will be available to operate in an air stream temperature from 158 °F up to 660 °F and with optional adapters allowing operation up to 1,800 °F. The optional high temperature sensor will be fitted with three (3) individual fiber-optic cables to allow the sensor to be mounted away from the duct and will be attached to the duct with the use of a stainless steel cable mounting adapter.
  - b. If sensors are required to operate in ambient light, then a daylight type sensor must be furnished that must not be responsive to this condition and should respond to radiation in the 1,650 - 3,000 nanometer range.
  - c. Sensor shall be infrared type of the highest sensitivity electronic photo diode type to detect the tiniest of sparks.
  - d. Sensors shall be electronically stable with the longest possible time exposure of the spark signal to the photo diode, providing confirmation of signal. Shielded cable shall not be a requirement.

- e. Spark detection sensors must not be responsive to VHF and UHF radio frequencies or other electrical interferences.
  - f. Sensors must have the ability to detect individual sparks in an air stream up to 10,000 FPM.
  - g. No more than two (2) sensors shall be required in ducts up to 79"(2,000 mm) in diameter.
  - h. Spark sensors shall be mounted on the pipe or duct with a stainless steel adapter for pipes 9" diameter or larger and a mounting band for pipes 8" diameter or smaller. The adapter shall be installed from the outside of the pipe or duct with the use of a special tool kit to be supplied with the sensors and will mount in such a manner as to prevent build-up of materials on the lens cover.
5. Extinguishing Assembly:
- a. The automatic extinguishing assembly shall use a finely atomized water spray as the extinguishing agent. The duration of atomized water spray is to be regulated by the microprocessor based control cabinet. Pressurized water at 75 PSI minimum static pressure or 60 PSI at flow condition will be used as the extinguishing agent.
  - b. The extinguishment assembly shall be furnished completely assembled with a 100 mesh Y-strainer and ball valve, 1" solenoid valve with coil and wire connecting plug, contamination-free 3/4" nozzle, either brass or stainless steel, and a stainless steel nozzle mounting adapter or mounting band and intermediate galvanized piping.
  - c. The spring loaded spray nozzles are to be flush mounted inside the pipe or duct with the use of a stainless steel nozzle mounting adapter.
  - d. The system shall have the capability to establish the water spray pattern in the pipe within 0.3 seconds from time of detection, which will include a 50% safety factor.
6. Pressure Booster Pump System: Extinguishing water pressure booster system consisting of: pressure tank, centrifugal pump, 230/460V pump motor, pressure relief valve, pressure gauges, switches, flow switch, control panel with motor starter and circuit breaker. All items are assembled on a common steel base, pre-plumbed, pre-wired and water tested.
7. Abort Gate: A high speed abort gate activated by the spark detector shall divert any burning material to atmosphere before it can enter the building. The abort gate shall have a manual reset so that after it has aborted, it can be reset to the normal position. Support for abort gate is by others."

ADD 2-068 Page 23 00 00-45, Section 23 00 00, ENERGY RECOVERY UNITS, Article 2.13, paragraph Z, sub-paragraph 1 shall be modified to read as follows:

"1. Manufacturer warrants each product to be free from defects in material and workmanship under normal and proper use, and will within two (2) years from date of start-up or substantial completion, whichever occurs later, repair or replace any part which, upon inspection by manufacturer, proves to be defective. This warranty does not include any labor or service charges that occur under this warranty. Minimum (5) five year wheel and compressor warranty shall be provided, parts only. Unit casing shall be provided with a lifetime warranty against corrosion. The installing contractor must be responsible for warranty service and maintenance after the equipment is placed into operation."

ADD 2-069 Page 23 00 00-47, Section 23 00 00, FANS (CENTRIFUGAL), Article 2.16, add the following paragraph:

"D. Warranty: Manufacturer shall provide a full parts warranty for two (2) years from start-up or substantial completion, whichever occurs later."

ADD 2-070 Page 23 00 00-48, Section 23 00 00, FANS (FUME HOOD EXHAUST), Article 2.17, add the following paragraph:

"G. Warranty: Manufacturer shall provide a full parts warranty for two (2) years from start-up or substantial completion, whichever occurs later."

ADD 2-071 Page 23 00 00-49, Section 23 00 00, FANS (ROOF), Article 2.16, add the following paragraph:

"J. Warranty: Manufacturer shall provide a full parts warranty for two (2) years from start-up or substantial completion, whichever occurs later."

ADD 2-072 Page 23 00 00-50, Section 23 00 00, FANCOIL UNITS, Article 2.19, add the following paragraph:

“M. Warranty: Manufacturer shall provide a full parts warranty for two (2) years from start-up or substantial completion, whichever occurs later.”

ADD 2-073 Page 23 00 00-61, Section 23 00 00, MAKE-UP AIR UNIT (INDIRECT GAS FIRED), Article 2.16, add the following paragraph:

“R. Warranty: Manufacturer shall provide a full parts warranty for two (2) years from start-up or substantial completion, whichever occurs later.”

ADD 2-074 Page 23 00 00-84, Section 23 00 00, ROOFTOP AIR HANDLING UNITS, Article 2.36, add the following paragraph:

“W. Manufacturer warrants each product to be free from defects in material and workmanship under normal and proper use, and will within two (2) years from date of start-up or substantial completion, whichever occurs later, repair or replace any part which, upon inspection by manufacturer, proves to be defective. This warranty does not include any labor or service charges that occur under this warranty. Minimum (5) five year compressor warranty shall be provided, parts only.”

ADD 2-075 Page Section 23 00 00, VARIABLE FREQUENCY DRIVES, Article 2.47, add the following paragraph:

“L. Warranty: Manufacturer shall provide a full parts warranty for two (2) years from start-up or substantial completion, whichever occurs later.”

ADD 2-076 Page 23 00 00-146, Section 23 00 00 add the following article:

- “2.54 THERMOSET FRP DUCTS AND FITTINGS (VEHICLE EXHAUST DUCTWORK)
- A. Vehicle exhaust ductwork shall be as manufactured by Monoxivent or approved equal.
  - B. Resin:
    - 1. Thermoset FRP Resin: Duct and fittings shall be made with a fire retardant resin that is corrosion resistant to carbon monoxide gas and engine exhaust at 325° F. Ducts shall have a flame spread of less than 25 and a smoke spread of less than 50 for a class 1 duct system per ASTM E-84 throughout the laminate.
  - C. Reinforcement:
    - 1. Surfacing Veil shall be “C” glass veil with a silane finish and a styrene soluble binder.
    - 2. Chopped Strand Mat shall be Type E Glass with a minimum 1-1/2 ounce per square foot with silane finish and styrene soluble binder.
    - 3. Woven Roving shall be Type E glass minimum 24 ounces per square yard.
    - 4. Continuous Roving for a filament binding shall be Type E glass with a silane finish.
  - D. Construction:
    - 1. Fabricate joints, seams, transitions, reinforcement, elbows, branch connections, and access doors and panels, according to SMACNA’s “Thermoset FRP Duct Construction Manual” Chapter 7, “Requirements”.
    - 2. FRP ductwork shall be design safety factor of 10 to 1 for pressure and 5 to 1 for vacuum
    - 3. Out of roundness of duct shall be limited to  $\pm 1/4$ ”
    - 4. Round Duct: Filament wound minimum Thickness:

2” to 20” diameter	0.125” THK
22” to 36” diameter	0.1875” THK
38” to 96” diameter	0.25” THK
  - E. Lamination:
    - 1. All ductwork shall have any interior and exterior “C” veil liner 10 mil thick.
    - 2. Structural layer shall be fabricated toward Winding or Hand lay-up Standard.
    - 3. Exterior:
      - a. Below ground to have a “C” veil layer.
  - F. Fittings:
    - 1. All fittings shall be made out of the same resin and having the same strength as the FRP ductwork
    - 2. The internal diameter of all fittings shall be equal to the adjacent duct

3. The tolerance on angles of all fittings shall be  $\pm 1^\circ$  up to and including 24" diameter and  $\pm \frac{1}{2}^\circ$  for 30" diameter and above.
- G. Elbows:
1. Elbows Centerline radius shall be 1-1/2 times the diameter.
  2. Fabricate 45-degree elbows with a minimum of two (2) segments and 90-degree round elbows with a minimum of three (3) segments.
- H. Drains:
1. When required, formed drain pockets with a minimum of NPS 1" threaded pipe connections
- I. Joints:
1. Field Joints to be Butt & Wrap type for wet lay-up method.
  2. Field joint kits sent out in bulk form with an extra 20% material for waste
  3. Resin to be same as duct."

- ADD 2-077 Page 26 00 00-30, Section 26 00 00, EMERGENCY STANDBY SYSTEM, Article 2.18, Add Paragraph N, "N. Provide a cantilevered catwalk and railing assembly with a single stair that will attach to the base mounted diesel fuel tank that provides access to all enclosure doors and maintenance compartments. The catwalk, railing and stair assembly shall be manufactured of a non-rusting metal material and shall have grating on all walking surfaces. Stairs and railings shall conform to all federal and local building/safety codes. The entire assembly shall be epoxy painted. The assembly shall be shipped loose for installation on site."
- ADD 2-078 CLARIFICATION: All low voltage cabling in the following sections shall be coordinated with the 271000 communications subcontractor and provided and installed by the 271000 communications subcontractor, unless a manufacturer requires the respective sections communications subcontractor to install the cabling for warranty/manufacturers purposes: 275000, 281600, 282300. The following sections of work are responsible to provide and install all cabling specified in each section, and all cabling shown for the respective work on the drawings: 271000, 272133, 274000, 277000, 281300.
- ADD 2-079 CLARIFICATION: 271000 CCTV locations reflect camera locations. Actual data outlet shall be positioned as close as possible to each camera location. For indoor and outdoor surface, corner, pendant and wall mount locations, data outlet shall be installed above the finished accessible ceiling where conduit run terminates from the camera location. All data outlet locations shall be above finished ceilings or other accessible ceiling/wall spaces. For recessed ceiling locations, install data jack as close to camera position as possible. Electrical subcontractor is responsible for 1" conduits and back boxes to all CCTV camera locations (except for recessed mounted cameras).
- ADD 2-080 CLARIFICATION: All Work Area Outlets shall be White thermoplastic unless specified otherwise
- ADD 2-081 CLARIFICATION: The engagement of an RCDD in Section 271000 is for post bid review and coordination.
- ADD 2-082 Page 27 10 00-1 Section SUMMARY Article 1.2.A.3 Revise "CCTV (C###) (single gang faceplate with one RJ45 jack plus appropriate size patch cord (Cat6A) to CCTV cameras)" to read "CCTV (C###) (single gang faceplate with one Cat6A RJ45 jack for CCTV cameras)"
- ADD 2-083 Page 27 10 00-2 Section SUMMARY Article 1.2.A.9 Delete the following: "27 70 00 Video Distribution System" and "28 13 00 Access Control"
- ADD 2-084 Page 27 10 00-22 Section D4 DATA AT CCTV POLE BASES Article 2.5.C add "5. Provide and install lightning protection for all outdoor cat6a cables to pole locations."
- ADD 2-085 Page 27 10 00-23 Section CAT 5E MULTIPAIR CABLE Article 2.8 add "C.5. Provide and install lightning protection for all outdoor cat5e multipair cable."
- ADD 2-086 CLARIFICATION: In Section 27 21 33, if no WAP equipment in the IDFs is powered by external power (non-poe equipment) then no UPS devices are required. Network switches that power the actual WAP devices do not require UPS devices by the communications subcontractor of this section.
- ADD 2-087 CLARIFICATION Page 27 21 33-11 section WIRELESS ACCESS NETWORK EQUIPMENT Article 2.3.A the product quantities are correct. Note that the support/storage facility has wireless access points as well as

the press box. A WAP symbol on the drawings without a circle denotes that NO wireless access point is installed in the location, as stated on T2.0

- ADD 2-088 CLARIFICATION: Communications subcontractors are responsible for all equipment listed in the specifications and all equipment shown on the drawings. For the specified sounds systems designs, all specified equipment in the specifications and all equipment shown on the drawings will be required for the design intent.
- ADD 2-089 CLARIFICATION: In 274000, the 3 year warranty shall not cover the owner provided parts; but it shall cover new cable, labor and installation of owner provided equipment.
- ADD 2-090 CLARIFICATION: in Section 27 40 00, a roof mounted AM/FM antenna shall be installed and distributed to all AM/FM receiver units specified by the communications subcontractor of Section 274000.
- ADD 2-091 CLARIFICATION Custom Rack plates in racks in SECTION 274000 require connections shown on the drawings and listed in the specifications. Provide 1RU rack plates with connections shown/specified, consolidate connections on a minimum number of rack plates to save rack space. Label all connections.
- ADD 2-092 CLARIFICATION: The owner provided IPTV Set top box in the specifications and on the drawings is: the MediaMaster MM-1272; the owner provided presentation camera in the specifications and on the drawings is: the Samsung SDP-860; the owner provided Voice Lift System in the specifications and on the drawings is: the LightSpeed CAT855.
- ADD 2-093 CLARIFICATION: IPTV encoders shown on T2.8 detail 1 and 3 are provided and installed by 27 70 00 communications subcontractor. 27 40 00 subcontractor responsible for providing and installing the HDMI output of the matrix switcher for these devices as well as any cabling specified.
- ADD 2-094 Page 27 40 00-21 Section 27 40 00, AUDITORIUM, Article 2.2, paragraph C, subparagraph 3.ee. DELETE 4)
- ADD 2-095 Page 27 40 00-22 Section 27 40 00, AUDITORIUM, Article 2.2, paragraph C, subparagraph 3.ff Revise to read: "Digital Snakes at Stage are 4000S-3208 and 4000S-4000 by Roland or equal by Yamaha
- ADD 2-096 Page 27 40 00-22 Section 27 40 00, AUDITORIUM, Article 2.2, paragraph C, subparagraph 4.e; Revise second sentence to read "Provide two SPC82JT, or equal"
- ADD 2-097 Page 27 40 00-22 Section AUDITORIUM Article 2.2.C.5.b.2) Revise to read: "Frequency response min 73Hz-16kHz, Pressure Sensitivity: min 90dB @ 1m; Coverage: min 40x60; Power: Min 200W @ 8 Ohms, Max SPL: Min 113., Color: Black"
- ADD 2-098 Page 27 40 00-22 Section AUDITORIUM Article 2.2.C.5.b.4) Revise to read: "Speakers by EAW model MW8, Bose Panaray 620M or Yamaha CM10V."
- ADD 2-099 Page 27 40 00-28 Section 27 40 00, AUDITORIUM, Article 2.2, paragraph C, subparagraph 11.c; Revise "C2-2100" to read "C2-2655".
- ADD 2-0100 CLARIFICATION: Auditorium roll top desk shall be sized to fit approved equipment. As such, there is no quote number on file with HSA
- ADD 2-0101 Page 27 40 00-35 Section AUDITORIUM Article 2.2.C.15.s.2) at end of sentence add "Provide and install PoDM Power supply."
- ADD 2-0102 Page 27 40 00-41, Section AUDITORIUM Article 2.2.C.17 revise to read:
  - 17. Wall Mounted Digital Transmitters (Provide 1 at each V2 at stage apron (qty 3))
    - a. The transmitter shall meet the following minimum requirements:
      - 1) One (1) HDMI input
      - 2) One(1) RGB input
      - 3) One (1) analog 3.5mm stereo audio input.
      - 4) One (1) USB HID port.

- Supports USB 1.1.
  - 5) One UTP/STP HDMI extended signal output RJ-45 Female.  
Signal transmission on CAT5e or better
  - 6) One (1) power input.
  - b. Wall mountable on US 2-gang electrical box.
  - c. Wall Mounted Digital Transmitter is Crestron DM-TX-200-C-2G or equal by Extron or Kramer
- ADD 2-0103 Page 27 40 00-42 Section Auditorium Article 2.2.C.18.b Revise "DM-RX-1G" to read "DM-RX1-1G"
- ADD 2-0104 Page 27 40 00-43 Section 27 40 00, AUDITORIUM, Article 2.2, paragraph C, subparagraph 21.f; After the word "Tascam" add the phrase "Pyle Pro PT504"
- ADD 2-0105 Page 27 40 00-45 Section 27 40 00, SMALL GROUP SEMINAR, Article 2.3, paragraph C, subparagraph 14.a; Add after last sentence "Rack is ERK-4025 with caster base CBS-ERK-25 and with ERK-6FT-440CFM top cooling unit (includes two 6" fans) by Middle Atlantic or equal."
- ADD 2-0106 Page 27 40 00-45 Section AUDITORIUM, Article 2.2.C.23.c Revise to read "Provide ERK-4425 rack with screened front and rear lockable doors, by Middle Atlantic or equal at stage rack location." CLARIFICATION: A Stage rack is required in the auditorium, as detailed on T2.8, shown on T1.15, and specified in 2.2.C.23.c edited above.
- ADD 2-0107 Page 27 40 00-49 Section SMALL GROUP SEMINAR Article 2.3.C.3.f delete article subparagraph 2.3.C.3.f
- ADD 2-0108 CLARIFICATION: Telephone interface on Small Group Seminar Room DSP is required as specified.
- ADD 2-0109 CLARIFICATION: In the Seminar room, the wireless microphone systems shall be installed in the cabinet on the first floor, as specified, not in the system rack as shown on T2.8 detail 1. Remote antennas, brackets, and antenna distribution equipment is required to place the antennas in the room for complete coverage.
- ADD 2-0110 CLARIFICATION: In Seminar room, a second rack is to be provided and installed inside the cabinet on the first floor for equipment mounting. DR-12 by Middel Atlantic or equal. Secure rack to floor of cabinet. See 2.3.C.14.e. The equipment to be installed in this rack is the CD/iPod dock player and the 5 wireless microphones. These units are incorrectly shown on the T2.8 riser in the main rack.
- ADD 2-0111 CLARIFICATION: Subwoofer in Seminar room, detail number 1 on T2.8 shall be installed/wired in discrete mode as shown on the drawing.
- ADD 2-0112 Page 27 40 00-54 Section SMALL GROUP SEMINAR Article 2.3.C.8.s.2) at end of sentence add "Provide and install PoDM Power supply."
- ADD 2-0113 Page 27 40 00-59 Section SMALL GROUP SEMINAR Article 2.3.C.10 revise paragraph to read:
- 10. Integrated Room Control System
    - a. Provide a wireless touch panel based integrated control system with wireless gateway equipment (provide wireless access point and extended range RF transceiver equipment (CEN-ERFGW-POE) for RF and WiFi wireless touch panel functionality from any location in room). Provide wall dock charging station (TST-902-DSW and TST-902-DSW-BB) for touch panel to be mounted in the wall above the cabinet on first floor of room.
    - b. Provide down converter, C2-2655 or equal by Atlona or Extron. Connect to an output of video switcher.
    - c. Provide network streamer, CEN-NVS200 or equal by Extron or Atlona. Connect to down converter.
    - d. Provide PoE switch, connect to network streamer.
    - e. Provide wireless access point to broadcast network stream in room. Connect to PoE switch. Position WAP for 100% room coverage of the wireless touch panel. Coordinate antenna/wap location with architect.
    - f. 8.7" Wireless WiFi Touch Panel

- 1) Features
  - a) 8.7" TFT active matrix touch color LCD
  - b) 1008 x 588 pixels
  - c) 24-bit 16.7M color depth
  - d) Communications: 802.11a/b/g Wi-Fi 2-way and 2-way RF 2.4GHz ISM Channels 11-26 for wireless communications
  - e) Onboard PC applications for Web browsing and streaming media
  - f) Shall present video from teleconferencing cameras wirelessly, and shall allow PTZ control of teleconferencing cameras wirelessly
  - g) Internal Li-Ion battery pack included
  - h) Brightness: 300 nits
  - i) Contrast: 700:1
  - j) Video H.264 or MJPEG, up to 1280x720 @30 fps
- g. 8.7" Wireless Touch Panel is Crestron TST-902 or equal by AMX or Extron
- h. System shall control the following devices:
  - 1) DVD, Power and Transport
  - 3) CD/iPod Unit, Power and Transport Controls
  - 4) Matrix Switcher
  - 5) Projector power and selection controls
  - 6) Projection Screen (Up/Down)
  - 7) Room lighting scenes
  - 8) Both teleconferencing cameras, PTZ functions (camera feed shall be viewable on wireless touch panel)
  - 10) Teleconferencing system start/stop recording function
  - 11) Speaker selections
- i. Communications subcontractor shall design a graphical user interface to control and switch all devices above. Owner must approve screen design prior to system programming.
- j. Touch panel shall be integrated with fire alarm control panel. Upon fire alarm activation, touch panel shall flash the word FIRE in red on the screen and all audio sources shall be muted. Electrical subcontractor shall provide source, communications subcontractor of this section shall install override and test. All audio programming shall be muted upon PA announcement. 275000 communications subcontractor shall provide source, communications subcontractor of this section shall install override and test
- k. Provide controller that is Ethernet capable for touch panel. Provide all power supplies and related equipment for a fully functional system in accordance with design intent. Crestron Pro 2 with C2ENET-2 card or equal by AMX or Extron.
- l. Provide wireless touch panel dock and back box and install in wall above cabinet at front of room.

ADD 2-0114 Page 27 40 00-64 Section SMALL GROUP SEMINAR Article 2.3.C.13 Revise to read:

13. Wall Mounted Digital Transmitters (Provide 1 at V6)
  - a. The transmitter shall meet the following minimum requirements:
    - 1) One (1) HDMI input
    - 2) One(1) RGB input
    - 3) One (1) analog 3.5mm stereo audio input.
    - 4) One (1) USB HID port.  
Supports USB 1.1.
    - 5) One UTP/STP HDMI extended signal output RJ-45 Female.  
Signal transmission on CAT5e or better
    - 6) One (1) power input.
  - b. Wall mountable on US 2-gang electrical box.
  - c. Wall Mounted Digital Transmitter is Crestron DM-TX-200-C-2G or equal by Extron or Kramer. Provide audio and video input at Matrix switcher in rack, and power unit from rack equipment.

- ADD 2-0115 Page 27 40 00-64 Section SMALL GROUP SEMINAR article 2.3.C.14.e delete the words "DVD Player"
- ADD 2-0116 Page 27 40 00-65 Section SMALL GROUP SEMINAR article 2.3.C.15 Add "i. Provide and install 75' HDMI Pro Series cable by Extron or equal for Laptop at Cabinet location shown on Detail 1 of T2.8 drawing
- ADD 2-0117 CLARIFICATION: Transformer/combiners are required to be provided and installed on source equipment single inputs being connected to DSPs if the DSP proposed requires them.
- ADD 2-0118 Page 27 40 00-68 Section 27 40 00, GYM, Article 2.4.C.2.h After the last sentence, add "5-CD Changer PMD-371 by Denon or equal, AM/FM receiver PT504 by Pyle Pro or equal"
- ADD 2-0119 Page 27 40 00-70 Section GYM Article 2.4.C.8 Delete 2.4.C.8.g.
- ADD 2-0120 Page 27 40 00-70 Section GYM Article 2.4.C.9 revise paragraph to read:
10. Integrated Room Control System
    - a. Provide a wireless touch panel based integrated control system with wireless gateway equipment (provide wireless access point2 (total 4) and extended range RF transceiver equipment (CEN-ERFGW-POE, provide 2 evenly spaced atop trusses) for RF and WiFi wireless touch panel functionality from any location in room). Provide wall dock charging station (TST-902-DSW and TST-902-DSW-BB) for touch panel to be mounted in the rack.
    - b. Provide PoE switch
    - c. Provide wireless access points to broadcast network stream in room. Connect to PoE switch. Position WAPs for 100% room coverage of the wireless touch panel spaced evenly in the gym, above the trusses. Coordinate antenna/wap location with architect.
    - d. 8.7" Wireless WiFi Touch Panel
      - 1) Features
        - a) 8.7" TFT active matrix touch color LCD
        - b) 1008 x 588 pixels
        - c) 24-bit 16.7M color depth
        - d) Communications: 802.11a/b/g Wi-Fi 2-way and 2-way RF 2.4GHz ISM Channels 11-26 for wireless communications
        - e) Onboard PC applications for Web browsing and streaming media
        - f) Shall present video from teleconferencing cameras wirelessly, and shall allow PTZ control of teleconferencing cameras wirelessly
        - g) Internal Li-Ion battery pack included
        - h) Brightness: 300 nits
        - i) Contrast: 700:1
        - j) Video H.264 or MJPEG, up to 1280x720 @30 fps
    - e. 8.7" Wireless Touch Panel is Crestron TST-902 or equal by AMX or Extron
    - f. System shall control the following devices:
      - 1) 5 CD changer, Power and Transport
      - 2) Both CD/iPod units, Power and Transport
      - 3) DSP Audio switcher
      - 4) Speaker selections: 1/4x1/4x1/2; 1/2x1/2; full gym
      - 5) AM/FM Tuner
    - g. Communications subcontractor shall design a graphical user interface to control and switch all devices above. Owner must approve screen design prior to system programming.
    - h. Touch panel shall be integrated with fire alarm control panel. Upon fire alarm activation, touch panel shall flash the word FIRE in red on the screen and all audio sources shall be muted. Electrical subcontractor shall provide source, communications subcontractor of this section shall install override and test. All audio programming shall be muted upon PA announcement. 275000 communications subcontractor shall provide source, communications subcontractor of this section shall install override and test
    - i. Provide controller that is Ethernet capable for touch panel. Provide all power supplies and related equipment for a fully functional system in accordance with design intent. Crestron Pro 2 with C2ENET-2 card or equal by AMX or Extron.

- j. Provide wireless touch panel dock and back box and install in rack.

- ADD 2-0121 Page 27 40 00-74 Section 27 40 00, STUDENT DINING, Article 2.5.C.2.h After the last sentence, add "5-CD Changer PMD-371 by Denon or equal, AM/FM receiver PT504 by Pyle Pro or equal"
- ADD 2-0122 Page 27 40 00-77 Section STUDENT DINING Article 2.5.C.9 Revise to read:  
9. Wall Mounted Digital Transmitter and receiver (Provide transmitter at V6, receiver at projector)  
a. The Transmitter shall meet the following minimum requirements:  
1) One (1) HDMI input  
2) One(1) RGB input  
3) Two (2) analog 3.5mm stereo audio input.  
4) One (1) IR port  
5) One UTP/STP HDMI extended signal output RJ-45 Female.  
Signal transmission on shielded CAT5e or better  
6) One (1) power input.  
7) Wall mountable on US 2-gang electrical box.  
8) Wall Mounted Digital Transmitter is Extron DTP-T-UWP-332-D or equal by Crestron or Kramer  
b. The Receiver shall be installed at the projector  
1) Connect output of receiver to projector  
2) Provide power module  
3) Cable audio output to sound rack and connect to sound system input  
4) Installation shall use shielded cat6 cable to connect receiver to transmitter.  
5) Receiver is Extron model DTP-HDMI-4K-330-RX or equal by Crestron or Kramer
- ADD 2-0123 CLARIFICATION: PE Center and Storage/Support Facility sound systems are nearly identical (minus the projector equipment) to the Student Dining sound system and as such the specified equipment in each section shall be installed in a similar fashion as stated and shown on T2.9 detail 1.
- ADD 2-0124 Page 27 40 00-79 Section 27 40 00, PE ALTERNATIVE, Article 2.6.C.2.h After the last sentence, add "5-CD Changer PMD-371 by Denon or equal, AM/FM receiver PT504 by Pyle Pro or equal"
- ADD 2-0125 Page 2740 00-82 Section 27 40 00, STORAGE / SUPPORT FACILITY ALTERNATE 2, Article 2.7.C.2.h After the last sentence, add "5-CD Changer PMD-371 by Denon or equal, AM/FM receiver PT504 by Pyle Pro or equal"
- ADD 2-0126 Page 27 40 00-85 Section 27 40 00, BAND & CHORAL ROOMS, Article 2.9.B.2.k Revise to read "Product is DN-700R by Denon or equal by Marantz."
- ADD 2-0127 CLARIFICATION: Riser diagram not required for Band and Chorus rooms. The Microphone cable notes are clearly defined, and the equipment to be provided is self-contained in the equipment to be provided by the communications subcontractor of 27 40 00.
- ADD 2-0128 Page 27 40 00-86 Section PRESS BOX Article 2.10.A Revise 2.10.A to read:  
1. The PA system shall include a mixer and amplifiers. See detail 3 on T2.9.  
a. 7 Microphone inputs required (M2 in press box, 3 inputs on plate in rack, 2 wireless mics)  
b. 5 line level outputs required (mix out as xlr on plate on front of rack plus 3 outputs to dual channel amps plus 1 output to ALS system  
c. 2 inputs required (one for PA override, one for CD/iPod unit)  
d. Provide amplifier(s) to provide 6 channels, each channel at 250W. Each speaker shall be connected to a channel.  
Mixer is TOA D901 or equal by Bose or Allen and Heath. Provide modules to provide connectivity for above inputs and outputs. Amplifiers by QSC,Crown or TOA. Install equipment in a rack.

2. Provide six (6) speakers angled and paired to provide bleacher and field coverage of field. Mount three 2 speaker cluster speakers to upper fencing of pressbox using uni-strut (SPrx2 in three locations on T2.4)
  - a. Include all mounting, poles, and rigging hardware
  - b. Speakers must be weather resistant
  - c. Speakers shall be full range 2 way
  - d. Speakers shall be black
  - e. Freq response: min 58Hz to 16 kHz
  - f. 250W program power handling min @ 8 ohms
  - g. Molded plastic or fiberglass or other weather proof enclosure
  - h. Coverage pattern: 60 degrees by 60 degreesSpeakers AW566-BK by JBL, Stadia III Quadra by Peavey or EVF-S12 by Electrovoice.
3. Microphones, Stands, Cords  
Provide :
  - a. 5 microphones of type Shure SM58S with protective pouch or equal
  - b. 2 microphone deskstands with microphone adapter
  - c. 5 microphone cords, 25' of type Whirlwind MK or equal
  - d. Install In rack:
    - Wireless Microphone System – 2 complete systems
    - 1). Power On Indicator
    - 2) "RF" Diversity Signal Indicators
    - 3) Transmitted (TX) Audio Indicators
    - 4) Receiving Antenna Indicator
    - 5) Group/Channel Displays
    - 6) Transmitter Battery Life Indicator
    - 7) MODE Button for Menu Display
    - 8) SET Button for Saving Settings
    - 9) Mic/Line level Switch
    - 10) XLR and ¼" outputs with level control
    - 11) Provide rack mounting kit, and mount in equipment cabinet
    - 12) Provide and install antennas, distribution equipment and cabling to install antennas on the fascia of the press box.
    - 13) Provide 1 handheld microphone, and one headworn microphone/transmitter combination on the same frequency per system. Devices will not be used concurrently.Model is the Shure ULXS4 Standard, with Rack Mounting Kit or equal by Mipro or Sennheiser
4. Install equipment in rack provided by 271000 (ERK4425)
  - a. 271000 equipment shall be installed at the top of the rack
  - b. Door must be able to be closed and locked. Adjust rails for equipment accordingly.
  - c. Include a drawer for cabling and microphones
  - d. Provide and install a sequential power strip
  - e. Provide and install a mic plate on the rack front with 3 xlr connections for connecting 3 wired mics to be used inside the press box (in addition to the hardwired M2 plate at the front of the press box). XLR jacks shall be inputs to the PA system Label inputs as M3, M4, M5 (Mics 1-2 are on the M2 plate in the press box). Terminate 3 mic cables from field box on this plate next to these 3 inputs. Label the three "From Field" "1-3". Label in field box accordingly.
  - f. Provide and install an XLR connection marked PA override. Terminate PA override signal from school with XLR connector (signal provided by 275000 communication subcontractor) and connect to XLR PA Override connector. Connect PA over ride signal to system. Ensure input from override XLR shall mute all audio sources.
  - g. Provide rack plates/mounts for equipment in rack.
5. Provide CD/iPod dock combination unit in rack as provided elsewhere on project. Tascam model CD-200i. Connect to sound system.
6. Assistive Listening System, install in rack.
  - a. The stationary FM transmitter shall be capable of broadcasting on 57 channels.
  - b. The transmitter shall have a SNR of 80dB or greater.
  - c. The output power shall be adjustable to quarter, half or full.
  - d. Channel tuning shall be capable of being locked.
  - e. The device shall broadcast on both wide and narrow band channels.

- f. The device shall have an audio frequency response of 50Hz to 15KHz, +/- 3dB at 72MHz, or of 50Hz to 10kHz, +/- 3dB at 216MHz.
- g. It shall have two mixing audio inputs. The device shall have the following audio controls: input level, process control and an adjustable low pass shelving filter.
- h. Provide appropriate antenna, and rack mounting kit. Install antenna on press box fascia for best coverage of bleachers. Provide and install all cabling and hardware necessary for mounting the antenna
- i. Provide 5 programmable receivers (Listen Technologies LR-500 or equal) with earbuds and rechargeable batteries, and transformer/wall chargers.
- j. System is the Listen LT-800, Phonic Ear, Williams Sound or equal.
- 7. Provide and install 3 XLR mic inputs around the 50 yard line in the field box provided by 271000 under the bleachers connected to the plate mentioned above for the mics from the field.
- 8. Provide 3 XLR patch cords to connect the field mics terminated on the front of the rack from the field to the 3 xlr mic inputs on the plate to present the field mics on the PA system of the press box.
- 9. Provide and install on a rack plate on the front of the press box an XLR mix output connection from the sound system. Label "Mix Out". This is to be used by the TV studio personnel who are sending mixed audio over their fiber transceivers. This may be located on the press box mic/field box mic XLR panel.
- 10. Provide and install 3 intercom jacks and cable them inside the field box to a rack plate on the front of the press box sound rack, as terminated elsewhere on the project. Label jacks "Int From Field" "1-3" and label as appropriate in the field box. Install these on a plate above the mic XLR plate.
- 11. Provide and install 3 video, audio and bidirectional audio fiber transmitters and 3 receivers. Mount transmitters below fiber patch panel in Press box. Mount Receivers below fiber patch panel in TV control room. Provide breakout cables to connect mics and intercoms to the fiber transmitters and receivers breakout cables. Provide 3 HD-3500-FMX-37-ST transmitters and 3 HD-3500-FMX-73-ST receivers. Provide 2 triple RNT mount kits. Provide 6 breakout cables, DVMXLR35.

ADD 2-0129 CLARIFICATION: 277000 CATV service demark shall be on the plywood backboard of the MDF.

ADD 2-0130 CLARIFICATION: As stated in 277000-1 Section RELATED DOCUMENTS Article 1.2 subparagraph B the phrase "Communication Subcontractor" "...shall be understood to represent the bidder responsible for the furnishing, configuring, testing, programming, warranting and ensuring all work is performed in accordance with the manufacturer's requirements and recommendations identified in this section." Note that in all Paragraph E Sections, including 277000, it is specifically indicated that the "Bidder" is responsible for completing the work of that specific Paragraph E section. The term "Bidder" refers to the subcontractor specifically listed as the subcontractor on the paragraph E section of the bid form, as per prior interpretations of the MA Attorney General's Office. The "Bidder" will be the entity listed within the Paragraph E section of the bid form as being responsible for the work of listed Paragraph E sections.

ADD 2-0131 Page 27 70 00-2 Section SUMMARY Article 1.3 subparagraph C, after the last sentence of C.6 add the following: "Owner shall deliver owner provided equipment to the communications subcontractor no later than 27 April 2017. Communications subcontractor of this section shall coordinate and schedule work for owner provided equipment with this date and the project completion date in mind when scheduling work and work crews to complete the Video Distribution installation."

ADD 2-0132 Page 27 70 00-13 Section NETWORKED DIGITAL VIDEO RECORDER SERVER Article 2.4 subparagraph A add the following after item i:

- j. Networked Digital Video Recorder Server shall be provided and installed if the network video recording functionality is not software based within the Media Server specified in article 2.1 or the Digital Video Server specified in article 2.3."

ADD 2-0133 Page 27 70 00-14 Section HIGH DEFINITION PRESTOVIDEO BULLETIN BOARD PC Article 2.5 subparagraph C. Revise first sentence to read "The Bulletin Board shall be preloaded with PrestoVideo PowerPoint to H.264TS Transcoding software with the capability for up to 24 simultaneous transcodes, file loads, or transfers."

- ADD 2-0134 On drawing T2.11, detail 3, Revise the note for the 6"x6"x3" J-box to read: "Electrical subcontractor shall provide and install 6" x 6" x 3" Junction box at 18" above ceiling at every doorway with door contacts on the secure side of doorway. Electrical subcontractor shall provide and install a ¾" conduit from this junction box to the door position sensor."
- ADD 2-0135 On drawing T2.11, Detail 2, revise "Provide output from ID system to access control system for the motion sensors noted below; in the specifications, and on the drawings" to read "Provide outputs from intrusion detection for each motions sensor specified to report to access control". Next to MO symbol, revise to read "360 degree motion or wall motion. Set jumper to slow detection. Provided by 28 16 00 subcontractor."
- ADD 2-0136 CLARIFICATION A Request to Exit device is required at EVERY door with a door contact, to include doors with no card readers.
- ADD 2-0137 CLARIFICATION: In Section 28 13 00, the Hirsch and Avigilon servers shall be on the same subnet. While this does not affect the communications subcontractor of this section directly for the servers mentioned above, the communications subcontractor of this section is to be aware of this requirement since other specified Hirsch components the communications subcontractor of this section is responsible for (such as all panels with SNIB2 connectivity) shall also be on this subnet.
- ADD 2-0138 CLARIFICATION: In 281300, in regards to the integration between the Hirsch and Avgilon servers, the 281300 communications subcontractor will have access to the server provided by the owner for the programming of the Hirsch gateway in regards to camera call ups. The 281300 communications subcontractor shall perform the programming as specified on the Hirsch server.
- ADD 2-0139 Page 28 13 00-1 Section 28 13 00 SUMMARY Article 1.2.A.5 Revise the second and third sentences to read "Electrical subcontractor shall provide and install a six inch by six inch back box with cover above every doorway with door contact for splicing, wiring and MELM installation. Communications subcontractor of this section shall provide and install MELM or MELM2 as appropriate at every doorway with contacts."
- ADD 2-0140 Page 28 13 00-2 Section 28 13 00 SUMMARY Article 1.2.A.10 Revise to read "Intrusion Detection System 28 16 00 communications subcontractor shall provide outputs from the Intrusion system for all motions located in vestibules, stairwells, hallways and other locations where noted on the drawings. Provide and install inputs for the access control system and cable these inputs to the intrusion system motions outputs specified above."
- ADD 2-0141 Page 28 13 00-15 Section 28 13 00 Article 2.9 Delete third and fourth sentences.
- ADD 2-0142 Page 28 16 00-1 Section SUMMARY Article 1.2.A.1 revise paragraph to read " All security wiring, addressable motion detectors, security system panels, interfaces, keypads, addressable contact modules, addressable loop regenerators, integrations with the access control and CCTV systems, and all related equipment and wiring to complete installation and testing of the system to be used as a complete intrusion detection system. Provide and install an output from the system for all motions sensors in vestibules, stairwells, and hallways, and anywhere else noted on the drawings for integration with access control. 281300 communications subcontractor shall wire all outputs to inputs on the access control system. Label all outputs with the motion ID number.
- ADD 2-0143 CLARIFICATION: Provide Intrusion system inputs and outputs as per 281600-2 Article 1.2.E IN ADDITION TO all motion outputs required to access control (all vestibule, stairwell and hallway motions, and any other motions noted on drawings).
- ADD 2-0144 Page 28 16 00-2 Section SUMMARY Article 1.2.H revise the paragraph to read "Addressable motion detectors (provide and install an intrusion system output to access control for all stairwells, vestibules, hallways and other location noted on the drawings)."
- ADD 2-0145 Page 28 16 00-6 Section VOICE ASSISTED STATUS & CONTROL Article 2.3 Delete paragraph.
- ADD 2-0146 Page 28 16 00-9 Section 2-WAY SERIAL PRINTER Article 2.17 Replace "security control room" with "MDF".

- ADD 2-0147 Page 28 16 00-9 Section MOTION DETECTORS Article 2.20.A revise paragraph to read “Ceiling mounted 360 degree detection area for a 24 foot coverage area. Wall mounted type where shown on the drawings. GE model AP669 or equal with zone expanders in quantities necessary for design intent.”
- ADD 2-0148 CLARIFICATION: Outdoor grade cat6A patch cords for CCTV pole cameras are available from L-com; the outdoor grade cat6 cables at L-com are also acceptable for the pole cameras specified in 28 23 00.
- ADD 2-0149 CLARIFICATION: On T2.2 and in 282300-12 article 2.10.B.1 the longspan poe camera unit is the specified Veracity units in the same article.
- ADD 2-0150 Page 28 23 00-12 Section CCTV WIRELESS PANIC BUTTON INTEGRATION Article 2.11.A.1 After last sentence, add: “Install a receiver in each IDF and one in the MDF. Install 2 receivers in IDF 150K. Install one receiver in Press Box. Install one receiver in Storage/Support Facility IDF. Turn over remaining receiver to owner. ”
- ADD 2-0151 Page 31 00 00-16, Section 31 00 00, EARTHWORK, Article 2.5, Paragraph A, INSERT the following subparagraph:  
3. Common Borrow to be placed within 10 inches of athletic fields shall be soil containing no stone larger than 3 inches and shall meet all other requirements listed herein.

**DRAWINGS:**

- ADD 2-0152 Drawing C0.2 – Phase I Plan  
CLARIFICATION: The extents of the Visual Barrier on the Construction Fence can be identified by referencing the legend for the linetype. Refer to SKC-002 for additional information.
- ADD 2-0153 Drawing L1.5 – Planting Details  
Detail – Loam and Seed or Loam and Sod  
ADD:  
“NOTE:  
1.0 COMMON BORROW TO BE PLACED WITHIN 10 INCHES OF ATHLETIC FIELDS SHALL BE SOIL CONTAINING NO STONE LARGER THAN 3 INCHES AND SHALL MEET ALL REQUIREMENTS AS OUTLINED IN THE SPECIFICATIONS.  
2.0 THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE OWNER’S REPRESENTATIVE FOR AN INSPECTION OF THE SUBGRADE PRIOR TO THE PLACEMENT OF LOAM.”
- ADD 2-0154 Drawing L3.3 – Landscape Details Plan No. 4  
Detail 1 / Track Layout:  
Alternate Tag – REMOVE: “ALTERNATE #2” and REPLACE with “ALTERNATE #3”  
Alternate Tag – REMOVE “ALTERNATE 1” and REPLACE with “ALTERNATE #3”
- ADD 2-0155 Drawing A1.04 – Master Keynote List  
ADD keynote “05 12 00.21 – STEEL ANGLE – SEE STRUCTURAL”  
Keynote 07 72 00.02: Modify description to read “Roof Scuttle – Type 2 – 3’-0” x 4’-6””  
ADD keynote “08 51 13.35 – PREFINISHED ALUMINUM FLASHING – FINISH TO MATCH FRAME – 0.090 INCHES THICK”

- ADD 2-0156     Drawing A1.11 – First Floor Plan Zone 1  
DELETE dimension “1'-0 ½”” located by the intersection of gridlines D and 29.
- ADD 2-0157     Drawing A1.12 – First Floor Plan Zone 2  
DELETE dimension “1'-0 ½”” located by the intersection of gridlines D and 1.
- ADD 2-0158     Drawing A1.52 – Roof Plan Zone 2  
Title Block Keynote Legend: Dimensions for Roof Scuttle Type 2, keynote 07 72 00.02, shall be modified to read “3'-0” x 4'-6””.
- ADD 2-0159     Drawing A1.53 – Roof Plan Zone 3  
Title Block Keynote Legend: Dimensions for Roof Scuttle Type 2, keynote 07 72 00.02, shall be modified to read “3'-0” x 4'-6””.
- ADD 2-0160     Drawing A5.15 – Canopy Details  
Detail 5 / Vertical Detail; REMOVE keynote “05 50 00.01” and REPLACE with keynote “05 12 00.21”
- ADD 2-0161     Drawing A5.21 – Vertical Roof Details  
Detail 4 / Typ. AVB Tie-In at Roof; REMOVE keynote “05 50 00.19” and REPLACE with keynote “05 12 00.21”  
Detail 5 / Vertical Detail: REMOVE keynote “05 50 00.03” and REPLACE with keynote “05 12 00.21”  
Detail 6 & 9 / Vertical Detail; REMOVE keynote “05 50 00.04” and REPLACE with keynote “05 12 00.21”  
Detail 7, 10, 12, & 13 / Vertical Detail; REMOVE keynote “05 50 00.01”, keynote “05 50 00.44” and text note “3-1/2 x 8-1/2”. REPLACE keynotes with keynote “05 12 00.21”  
Detail 8 / Vertical Detail; REMOVE keynote “05 50 00.02” and REPLACE with keynote “05 12 00.21”  
Detail 11 / Vertical Detail; REMOVE keynote “05 50 00.03” and REPLACE with keynote “05 12 00.21”
- ADD 2-0162     Drawing A5.22 – Vertical Roof Details  
Detail 1 / Vertical Detail; REMOVE keynote “05 50 00.02” & keynote “05 50 00.42” and REPLACE with keynote “05 12 00.12” at both locations.  
Detail 2, 3, 6, & 9 / Vertical Detail; REMOVE keynote “05 50 00.02”, keynote “05 50 00.44” and text note “3-1/2 x 8-1/2”. REPLACE keynotes with keynote “05 12 00.21”  
Detail 4, 5 & 7 / Vertical Detail: REMOVE keynote “05 50 00.04” and REPLACE with keynote “05 12 00.21”  
Detail 8 / Vertical Detail; REMOVE keynote “05 50 00.02”, keynote “05 50 00.19” and text note “3-1/2 x 8-1/2”. REPLACE keynotes with keynote “05 12 00.21”
- ADD 2-0163     Drawing A5.23 – Vertical Roof Details  
Detail 2 thru 11 / Vertical Detail; REMOVE keynote “05 50 00.01”, keynote “05 50 00.44” and text note “3-1/2 x 8-1/2”. REPLACE keynotes with keynote “05 12 00.21”
- ADD 2-0164     Drawing A5.24 – Vertical Roof Details  
Detail 1, 2, 3, 4, 6, 8 & 9 / Vertical Detail; REMOVE keynote “05 50 00.01”, keynote “05 50 00.44” and text note “3-1/2 x 8-1/2”. REPLACE keynotes with keynote “05 12 00.21”  
Detail 5 / Vertical Detail; REMOVE keynote “05 50 00.05” and REPLACE with keynote “05 12 00.21”

- ADD 2-0165     Drawing A5.25 – Vertical Roof Details  
Detail 1 / Vertical Detail; REMOVE keynote “05 50 00.02”, keynote “05 50 00.44” and text note “3-1/2 x 8-1/2”. REPLACE with keynote “05 12 00.21”  
Detail 2, 3, 4, 5 & 6 / Vertical Detail; REMOVE keynote “05 50 00.01”, keynote “05 50 00.44” and text note “3-1/2 x 8-1/2”. REPLACE keynotes with keynote “05 12 00.21”
- ADD 2-0166     Drawing A6.05 – Exterior Window Details  
Detail 4 / Window Jamb Detail; REMOVE keynote “08 51 13.30” and REPLACE with “08 51 13.35”
- ADD 2-0167     Drawing A6.11 – Storefront & Overhead Door Types  
Storefront Types 25, 26, 27, 28, 29 & 30;  
CLARIFICATION: These frames are intended to be segmented. The radius dimension is given so the installer can determine where the vertical mullions shall be located.
- ADD 2-0168     Drawing A6.21 – Curtainwall & Louver Types  
CLARIFICATION: The Spandrel glazing shown on Curtainwall Types 1, 4, & 7 is correct.
- ADD 2-0169     Drawing A6.10, A6.11 & A6.12 – Storefront Types  
CLARIFICATION: The horizontal and vertical mullions shown need to meet load requirements as well as the dimensions shown.
- ADD 2-0170     Drawing A6.21 & A6.22 – Curtainwall Types  
CLARIFICATION: The horizontal and vertical mullions shown need to meet load requirements as well as the dimensions shown.
- ADD 2-0171     Drawing A7.01 – Room Finish Schedule  
CLARIFICATION: Wall Material for rooms 175G – SHOWERS and 176G – SHOWERS shall be “CT” as indicated in the schedule. Wall Material for rooms 175A – BOYS LOCKER ROOM and 176A – GIRLS LOCKER ROOM shall be “EP” as indicated in the schedule.  
Room T104 – GIRLS TOILET: REVISE Wall Material on the East, South and West walls to be “CT/EP”  
Room T105 – BOYS TOILET: REVISE Wall Material on the East, South and West walls to be “CT/EP”  
Room T302 – GIRLS TOILET: REVISE Wall Material on the East, South and West walls to be “CT/EP”  
Room T303 – BOYS TOILET: REVISE Wall Material on the East, South and West walls to be “CT/EP”  
CLARIFICATION: The extent of CT on the walls in Rooms T104, T105, T202, T203, T302, & T303 is related to the flooring material. Where there is CMT on the floor, there is CT on the walls. The floor transition is also where the wall material transitions to EP.  
Room 175D – TOILET: REVISE Wall Material on all walls to be “CT”  
Room 175F – TOILETS: REVISE Wall Material on all walls to be “CT”  
Room 176D – TOILET: REVISE Wall Material on all walls to be “CT”  
Room 176F – TOILETS: REVISE Wall Material on all walls to be “CT”  
Room 106C – SPED SUPPORT ASD: REVISE floor material to be “R”  
Room 106D – SPED STORAGE: REVISE floor material to be “R”
- ADD 2-0172     Drawing A7.02 – Sample Wall And Floor Patterns  
Detail 7; REMOVE the words “LOCKER ROOMS” from the title and REPLACE with the words “SHOWERS”  
Detail 7; INSERT text note stating “WALL TILE SHALL BE INSTALLED FROM FLOOR TO CEILING. REFER TO RCPS FOR ADDITIONAL INFORMATION”

- ADD 2-0173     Drawing A7.04 – Sample Wall And Floor Patterns  
Porcelain Paver Tile Pattern Legend: Refer to SKA-021 for updated legend.
- ADD 2-0174     Drawing A7.11 – Door Schedule  
REVISE both Door 171A1 - GYMNASIUM #1 and Door 171A2 – GYMNASIUM #1 to read as follows:  
Door Type: EE  
Door Mat'l: ALG  
Door Thk: MFR  
Door Fin: PVFD  
Frame Type: SF5  
Frame Mat'l: AL  
Frame Fin: PVFD  
  
Door 175A – BOYS LOCKER ROOM and Door 176A – GIRLS LOCKER ROOM  
CLARIFICATION: The frame of these doors shall be furnished and installed by the Metal Windows FSB (they are Storefront systems). The doors and all hardware shall be furnished by the General Contractor but installed by the Metal Windows FSB.
- ADD 2-0175     Drawing A8.31 – Enlarged Toilet Room Plans  
Detail 17 / Enlarged Toilet Room Plan;  
REMOVE keynote “11 31 00.21” and REPLACE with keynote “11 31 00.25”  
REMOVE keynote “11 31 00.22” and REPLACE with keynote “11 31 00.26”
- ADD 2-0176     Drawing A8.32 – Enlarged Locker Room Plans  
CLARIFICATION: Room 175G – SHOWERS and 176G – SHOWERS have ceramic tile on the entire floor including the shower stalls. The floors are sloped to the floor drains as indicated to achieve proper drainage. Marble thresholds shall be installed in the locations as noted to prevent water migration.
- ADD 2-0177     Drawing A8.32 – Enlarged Locker Room Plans  
The CMU wall located on gridline UU is currently tagged as type “6”. REMOVE this tag and REPLACE with wall type tag “8”
- ADD 2-0178     Drawing A9.33 – Choral Classroom Interior Elevations And Details  
Detail 11 / Mirror Edge Detail; CLARIFICATION: The mirror detailed here as well as all mirrors with reference to this detail shall be furnished and installed by the “Glass and Glazing Filed Sub-Bidder”. The wood trim surrounding the mirror keynoted as 06 20 00.23 & 06 20 00.24 shall be installed by the General Contractor after the mirror has been installed on the wall.
- ADD 2-0179     Drawing A9.39 – TV Studio Plan & Elevations  
Detail 4 / Control Room Interior Elevations;  
REMOVE keynote “12 30 00.31” and REPLACE with keynote “06 20 00.80”  
REMOVE keynote “12 30 00.20” and REPLACE with keynotes “06 20 00.81” & “06 20 00.82”
- ADD 2-0180     Drawing A9.48 – Cosmetology Salon Plan & Elevations  
Details 4, 5, 7, 8, & 9; REMOVE keynote “08 80 00.06” and REPLACE with keynote “08 80 00.05” at EVERY location.  
Detail 4; REMOVE detail callout “7/A9.48” by gridline 17.7 and REPLACE with detail callout “7/A9.49”  
Detail 5; REMOVE detail callout “7/A9.48” by gridline 17.7 and REPLACE with detail callout “7/A9.49”  
Detail 7; REMOVE detail callout “7/A9.48” by gridline 20 and REPLACE with detail callout “7/A9.49”

Detail 8; REMOVE detail callout "7/A9.48" by gridline 20 and REPLACE with detail callout "7/A9.49"  
Detail 9; REMOVE detail callout "7/A9.48" by gridline 20 and REPLACE with detail callout "7/A9.49"

ADD 2-0181 Drawing A9.49 – Cosmetology Salon Elevations & Details

Detail 2 / Cosmetology Elevation; REMOVE keynote "08 80 00.06" & REPLACE with keynote "08 80 00.05".  
Detail 5 / Cosmetology Elevation; REMOVE keynote "11 31 00.22" & REPLACE with keynote "11 31 00.26".  
Detail 5 / Cosmetology Elevation; REMOVE keynote "11 31 00.21" & REPLACE with keynote "11 31 00.25".  
Detail 7 / Typical Mirror Detail; REMOVE keynote "08 80 00.06" and REPLACE with keynote "08 80 00.05".  
Detail 7 / Typical Mirror Detail; CLARIFICATION: The mirror detailed here as well as all mirrors with reference to this detail shall be furnished and installed by the "Glass and Glazing Filed Sub-Bidder"

ADD 2-0182 Drawing A10.21 – Auditorium Enlarged Plan – Lower

Wall type tag "GB" located between Music Practice Rooms 163A & 163B should be REMOVED and REPLACE with wall type tag "GD".

ADD 2-0183 Drawing A11.21 – Storage / Support / Restroom Facility

Detail 1 / Storage/Support/Restroom Facility Plan; DELETE text note "FLUID ATHLETIC FLOOR" located in room "Team Room / Support – F101"

ADD 2-0184 Drawing A11.21 – Storage / Support / Restroom Facility

Detail 2 / Storage/Support/Restroom Facility RCP; DELETE text note "FLUID ATHLETIC FLOOR" located in room "Team Room / Support – F101"

ADD 2-0185 SKS-001 – Addendum No. 1

CLARIFICATION: The L8x8x1/2x1'-0" long angle spaced at 36" o.c. shown in this sketch shall be provided by structural steel division 051200.

ADD 2-0186 Drawing S1.62 – Monumental Stair Part Plans

All steel shown on drawings S1.62 shall be provided by structural steel division 051200. All corridor and landing framing is supported by cantilevered beams along column lines D, E, 12.6, and 14.

ADD 2-0187 Drawing S3.01 – Sections

Reference detail 1; revise note "CONT L6X3 1/2X3/8 LLV (BY METAL FABRICATIONS) FIELD WELD AFTER ALIGNMENT" to read as follows "CONT L6X3X1/2X3/8 LLV - FIELD WELD AFTER ALIGNMENT"

ADD 2-0188 Drawing S3.01 – Sections

Reference detail 2 and 2A; revise note "CONT L6X3 1/2X3/8 LLV (BY METAL FABRICATIONS) FIELD WELD AFTER ALIGNMENT" to read as follows "CONT L6X3X1/2X3/8 LLV - FIELD WELD AFTER ALIGNMENT"

ADD 2-0189 Drawing S3.01 – Sections

Add the following note to details 1, 2, and 2A;

"Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted and staggered"

ADD 2-0190 Drawing S3.02 – Sections

Add the following note to details 5 and 9;

“Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted and staggered”

ADD 2-0191 Drawing S3.03 – Sections

Add the following note to details 9;

“Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted and staggered”

ADD 2-0192 Drawing S3.04 – Sections

Add the following note to details 3, 5, 7, 8 and 9;

“Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted and staggered”

ADD 2-0193 Drawing S3.04 – Sections

Reference detail 7; revise note “CONT L6X3 1/2X3/8 LLV (BY METAL FABRICATIONS) FIELD WELD AFTER ALIGNMENT” to read as follows “CONT L6X3X1/2X3/8 LLV - FIELD WELD AFTER ALIGNMENT”

ADD 2-0194 Drawing S3.04 – Sections

Reference detail 8; revise note “CONT L6X3 1/2X3/8 LLV (BY METAL FABRICATIONS) FIELD WELD AFTER ALIGNMENT” to read as follows “CONT L6X3X1/2X3/8 LLV - FIELD WELD AFTER ALIGNMENT”

ADD 2-0195 Drawing S3.04 – Sections

Reference detail 9; revise note “CONT L6X3 1/2X3/8 LLV (BY METAL FABRICATIONS) FIELD WELD AFTER ALIGNMENT” to read as follows “CONT L6X3X1/2X3/8 LLV - FIELD WELD AFTER ALIGNMENT”

ADD 2-0196 Drawing S3.05 – Sections

Add the following note to details 6 and 9;

“Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted and staggered”

ADD 2-0197 Drawing S3.05 – Sections

Reference detail 6; revise note “CONT L6X3 1/2X3/8 LLV (BY METAL FABRICATIONS) FIELD WELD AFTER ALIGNMENT” to read as follows “CONT L6X3X1/2X3/8 LLV - FIELD WELD AFTER ALIGNMENT”

ADD 2-0198 Drawing S3.06 – Sections

Add the following note to details 1, 3, 6 and 7;

“Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted and staggered”

ADD 2-0199 Drawing S3.07 – Sections

Add the following note to details 7;

“Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted and staggered”

ADD 2-0200 Drawing S3.08 – Sections

Add the following note to details 2, 4, 5, 6 and 8;

“Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted and staggered”

- ADD 2-0201     Drawing S3.09 – Sections  
Add the following note to details 3, 4, 5 and 8;  
                  >Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted  
                  and staggered"
- ADD 2-0202     Drawing S3.09 – Sections  
Reference detail 3; revise note "CONT L6X3 1/2X3/8 LLV (BY METAL FABRICATIONS) FIELD WELD  
AFTER ALIGNMENT" to read as follows "CONT L6X3X1/2X3/8 LLV - FIELD WELD AFTER ALIGNMENT"
- ADD 2-0203     Drawing S3.09 – Sections  
Reference detail 4; revise note "CONT L6X3 1/2X3/8 LLV (BY METAL FABRICATIONS) FIELD WELD  
AFTER ALIGNMENT" to read as follows "CONT L6X3X1/2X3/8 LLV - FIELD WELD AFTER ALIGNMENT"
- ADD 2-0204     Drawing S3.09 – Sections  
Reference detail 5; revise note "CONT L6X3 1/2X3/8 LLV (BY METAL FABRICATIONS) FIELD WELD  
AFTER ALIGNMENT" to read as follows "CONT L6X3X1/2X3/8 LLV - FIELD WELD AFTER ALIGNMENT"
- ADD 2-0205     Drawing S3.10 – Sections  
Add the following note to detail 7;  
                  >Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted  
                  and staggered"
- ADD 2-0206     Drawing S3.11 – Sections  
Add the following note to detail 10;  
                  >Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted  
                  and staggered"
- ADD 2-0207     Drawing S3.13 – Sections  
Add the following note to detail 4;  
                  >Note: All holes in the outstanding angle which supports wood blocking shall be vertically slotted  
                  and staggered"
- ADD 2-0208     Drawing FP1.11 – First Floor Plan Zone 1  
                  ADD a sprinkler head under Stair 2
- ADD 2-0209     Drawing FP1.12 – First Floor Plan Zone 2  
                  ADD a sprinkler head under Stair 3
- ADD 2-0210     Drawing FP1.13 – First Floor Plan Zone 3  
                  REMOVE backflow preventer & from note at Loading Dock  
                  Change Typical Sprinkler Head Installation to Typical Return Bend Sprinkler Head Installation
- ADD 2-0211     Drawing FP1.14 First Floor Plan Zone 4  
                  REMOVE sprinkler head from Electric Room  
                  ADD sprinkler head under Stair 1

- ADD 2-0212     Drawing FP1.15 First Floor Plan Zone 5  
                  REMOVE fire main from under slab of Auditorium  
                  Relocate FVC cabinet South in same corridor  
                  Relocate FVC to stage
- ADD 2-0213     Drawing FP1.16 First Floor Plan Zone 6 & 7  
                  REMOVE sprinkler head from Electric Room
- ADD 2-0214     Drawing FP2.11 Second Floor Plan Zone 1  
                  REMOVE sprinkler head from Electric Room
- ADD 2-0215     Drawing FP2.24 Second Floor Plan Zone 4  
                  Extend 2-1/2 inch fire main
- ADD 2-0216     Drawing FP2.25 Second Floor Plan Zone 5  
                  Extend 2-1/2 inch fire main
- ADD 2-0217     Drawing FP1.31 Third Floor Plan Zone 1  
                  REMOVE check valve
- ADD 2-0218     Drawing FP1.33 Third Floor Plan Zone 3  
                  REMOVE check valve
- ADD 2-0219     Drawing P1.13 First Floor Plan Zone 3  
                  REMOVE G.C. from note  
                  ADD note, Provide (3) ¾ inch gas vents from boilers thru roof.  
                  Extend 2 inch vent pipes
- ADD 2-0220     Drawing P1.15 First Floor Plan Zone 5  
                  ADD floor drain and piping with notes.
- ADD 2-0221     Drawing P1.21 Second Floor Plan Zone 1  
                  Change P-16's back to P-20's
- ADD 2-0222     Drawing P1.23 Second Floor Plan Zone 3  
                  ADD note, 4 inch vent riser
- ADD 2-0223     Drawing P1.33 Third Floor Plan Zone 3  
                  ADD note, 4 inch vent thru roof
- ADD 2-0224     Drawing P2.1 Toilet Room Water Piping Part Plans  
                  Training Room, replace P-11 and P-21
- ADD 2-0225     Drawing P2.4 Science Classrooms Plans & Details  
                  Change P-12 to P-19
- ADD 2-0226     Drawing P2.5 Legend, Schedule & Details

ADD notes to Hot Water Heater Detail  
Modify notes to Recycled Water System Detail

ADD 2-0227 Drawing M1.31 Third Floor Ductwork Plan Zone 1 Mechanical

Add acoustical liner.

ADD 2-0228 Drawing M1.32 Third Floor Ductwork Plan Zone 2 Mechanical

Add acoustical liner.

ADD 2-0229 Drawing M1.33 Third Floor Ductwork Plan Zone 3 Mechanical

Add acoustical liner.

ADD 2-0230 Drawing M2.2 Mechanical Schedules

Add keynotes to exhaust fan schedule.

ADD 2-0231 Drawing ES.1 Site Electrical Renovation Plan

Delete bollard references.  
Revise exterior disconnect switches to weatherproof type.

ADD 2-0232 Drawing ES.2 Site Electrical Renovation Plan

Add General Note indicating 1" minimum conduit size for site lighting.  
Coordinating sports lighter pole locations.  
Coordinating site lighting pole locations.

ADD 2-0233 Drawing E1.11L First Floor Lighting Plan Zone 1 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0234 Drawing E1.11L and E1.12L First Floor Lighting Plans Zone 1 and 2 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0235 Drawing E1.13L First Floor Lighting Plan Zone 3 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0236 Drawing E1.13L and E1.14L First Floor Lighting Plans Zone 3 and 4 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0237 Drawing E1.14L and E1.15L First Floor Lighting Plans Zone 4 and 5 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0238 Drawing E1.16L First Floor Lighting Plan Zone 6 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0239 Drawing E1.21L and E1.22L Second Floor Lighting Plans Zone 1 and 2 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0240 Drawing E1.22L and E1.23L Second Floor Lighting Plans Zone 2 and 3 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0241 Drawing E1.24L, E1.25L, and E1.26L Second Floor Lighting Plans Zone 4, 5, and 6 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0242 Drawing E1.31L, E1.33L, and E1.34L Third Floor Lighting Plans Zone 1, 3, and 4 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0243 Drawing ES.5 Site Details Electrical Continued

Delete bollard detail.

ADD 2-0244 Drawing E2.1 and E2.2 Lighting Control Details

Revise and add lighting control details.

ADD 2-0245 Drawing E2.7 Electrical Schedules

Revise lighting relay panel schedules.

ADD 2-0246 Drawing E2.8 Lighting Control Relay Panel Schedules

Revise and add lighting relay panel schedules.

ADD 2-0247 Drawing E2.4 Riser Diagrams

Revise fire alarm matrixes.  
Revise riser diagram.

ADD 2-0248 Drawing E2.10 Electrical Panel Schedules

Revise panelboard schedules.

ADD 2-0249 Drawing E2.11 Electrical Panel Schedules

Revise panelboard schedules.

ADD 2-0250 Drawing E2.12 Electrical Panel Schedules

Revise panelboard schedules.

- ADD 2-0251     Drawing E0.2 Lighting Fixture Schedule  
                  Revise lighting fixtures.
- ADD 2-0252     Drawing ES.8 Storage, Support, and Restroom Facility Alternate No. 2  
                  Revise heat detector location.  
                  Add aquastat and circ pump.
- ADD 2-0253     Drawing E0.1 Electrical Legend  
                  Revise symbols.
- ADD 2-0254     Drawing E1.11P and E1.12P First Floor Power Plans Zone 1 and 2 Electrical  
                  Revise fire alarm.  
                  Revise receptacles.  
                  Revise EF circuit.
- ADD 2-0255     Drawing E1.12P, E1.13P, and E1.14P First Floor Power Plans Zone 2, 3, and 4 Electrical  
                  Revise fire alarm.
- ADD 2-0256     Drawing E1.14P and E1.15P First Floor Power Plans Zone 4 and 5 Electrical  
                  Revise fire alarm.
- ADD 2-0257     Drawing E1.16P First Floor Power Plan Zone 6 Electrical  
                  Revise fire alarm.
- ADD 2-0258     Drawing E1.21P, E1.22P, and E1.23P Second Floor Power Plans Zone 1, 2, and 3 Electrical  
                  Revise fire alarm.
- ADD 2-0259     Drawing E1.24P Second Floor Power Plan Zone 4 Electrical  
                  Revise fire alarm.
- ADD 2-0260     Drawing E1.25P and E1.26P Second Floor Power Plans Zone 5 and 6 Electrical  
                  Revise fire alarm.
- ADD 2-0261     Drawing E1.31P and E1.32P Third Floor Power Plans Zone 1 and 2 Electrical  
                  Revise fire alarm.
- ADD 2-0262     Drawing E1.33P and E1.34P Third Floor Power Plans Zone 3 and 4 Electrical  
                  Revise fire alarm.
- ADD 2-0263     Drawing E1.34P Third Floor Power Plan Zone 4 Electrical  
                  Revise fire alarm.
- ADD 2-0264     Drawing E1.8 Auditorium and Small Group Seminar Schedules  
                  Revise Note.
- ADD 2-0265     Drawing E1.6 Culinary Plans Electrical  
                  Revise fire alarm.

Revise Note.

ADD 2-0266 Drawing E1.7 Kitchen Plan Electrical

Revise fire alarm.  
Revise Note.

ADD 2-0267 Drawing E0.2 Lighting Fixture Schedule

Revise lighting fixtures.

ADD 2-0268 Drawing E1.11L Lighting Plan Zone 1 Electrical

Revise lighting.

ADD 2-0269 Drawing E1.13L and E1.14L First Floor Lighting Plans Zone 3 and 4 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0270 Drawing E1.14L and E1.15L First Floor Lighting Plans Zone 4 and 5 Electrical

Revise lighting.  
Revise occupancy sensors.  
Revise switching.

ADD 2-0271 Drawing E1.14P First Floor Power Plan Zone 4 Electrical

Revise lighting relay panels.

ADD 2-0272 Drawing E1.51 and E1.52 Roof Plan Zones 1, 2, 3, 4, 5, 6, & 7 Electrical

Add duct smoke detectors.  
Revise roof top equipment circuits.

ADD 2-0273 Drawing E2.13 Electrical Panel Schedules

Revise panelboard schedules.

ADD 2-0274 Drawing E2.14 Electrical Panel Schedules

Revise panelboard schedules.

ADD 2-0275 Drawing E2.15 Electrical Panel Schedules

Revise panelboard schedules.

ADD 2-0276 Drawing E2.16 Electrical Panel Schedules

Revise panelboard schedules.

ADD 2-0277 Drawing EW.6 Existing and New Waste Water Treatment Facility

Add aquastat and circ pump.  
Revise fire alarm.

**End of Addendum 2**

## GENERAL NOTES

1. THE STATE OF MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES 1995 EDITION AND THE SUPPLEMENTAL SPECIFICATIONS 2012 EDITION, OR LATEST REVISION, AND THE MASSACHUSETTS STANDARD DETAILS AND THE TOWN OF PLYMOUTH STANDARD DETAILS AND CONSTRUCTION STANDARDS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. THE 1995 EDITION OF THE STANDARD SPECIFICATIONS AND THE 2012 EDITION OF THE SUPPLEMENTAL SPECIFICATIONS MAY BE OBTAINED AT THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION.
2. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE OWNER AND THE ENGINEER. THE CONTRACTOR IS REQUIRED TO FILE ANY DOCUMENTS REQUIRED BY NPDES GENERAL PERMIT APPLICABLE TO THE SITE.
3. CONTRACTOR IS REQUIRED TO APPLY FOR, OBTAIN, AND PAY ALL FEES ASSOCIATED WITH CONSTRUCTION PHASE PERMITS. PERMITS MAY INCLUDE, BUT NOT LIMITED TO:
  - \* THIS WORK IS SUBJECT TO A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AS REQUIRED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA) CONSTRUCTION GENERAL PERMIT (CGP). THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING A NOTICE OF INTENT WITH THE EPA, PREPARING A STORMWATER POLLUTION PREVENTION PLAN (SWPPP), CONDUCTING THE REQUIRED SITE INSPECTIONS, MAINTAINING THE SWPPP PER THE CGP AND FILING A NOTICE OF TERMINATION WITH THE EPA AFTER SITE STABILIZATION REQUIREMENTS HAVE BEEN MET.
  - \* TOWN OF PLYMOUTH DEPARTMENT OF PUBLIC WORKS PERMITS
  - \* TOWN OF PLYMOUTH FIRE DEPARTMENT PERMITS
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ALL OPEN EXCAVATED AREAS, AND CONDUCT ALL WORK IN ACCORDANCE WITH OSHA STANDARDS AND THE TOWN OF PLYMOUTH REQUIREMENTS.
3. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR IS TO IMMEDIATELY CONTACT AND COORDINATE WITH THE ENGINEER AND OWNER.
4. ANY AREA OUTSIDE OF THE LIMIT OF DISTURBANCE THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
5. ALL EXISTING CONDITIONS SHOWN SHALL BE CONSIDERED APPROXIMATE AND ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER, AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEERS APPROVAL.
6. ALL UTILITIES (LOCATION AND ELEVATION) SHOWN SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, THE CONTRACTORS SHALL CONTACT "DIG SAFE" AT 1-888-344-7233 AND ALL UTILITY COMPANIES NOT COVERED BY "DIG SAFE." TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES AS SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE. (NOTE THAT NOT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN.)
7. ALL WORK WITHIN THE RIGHT OF WAY SHALL CONFORM TO THE TOWN OF PLYMOUTH DEPARTMENT OF PUBLIC WORKS REQUIREMENTS, AND MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES 1995 EDITION AND THE 2002 EDITION OF THE SUPPLEMENTAL SPECIFICATIONS, OR LATEST REVISIONS TO BOTH.
8. PAVEMENT MARKINGS SHALL BE EPOXY RESIN AND CONFORM TO THE SPECIFICATIONS.
9. PRIOR TO PLACEMENT OF FINAL COAT OF PAVEMENT ALL EXISTING PAVEMENT IS TO BE SWEEPED CLEAN AND ASPHALT EMULSION TACK COAT IS TO BE APPLIED.
10. ALL ADA CURB RAMPS SHALL HAVE DETECTABLE WARNING MATS IN ACCORDANCE WITH ADA GUIDELINES.
11. IN ADDITION TO TYPICAL DESIGN STANDARDS, THE CONSTRUCTION GATE/FENCE SUPPORT SYSTEM (POSTS, UPRIGHTS, RODS, RAILS, TIES, FOUNDATIONS, ETC.) SHALL BE DESIGNED FOR A LATERAL WIND PRESSURE WITH THE FENCE ASSUMED TO BE SOLID I.E., WITHOUT PENETRATIONS. CONTRACTOR SHALL SUBMIT CALCULATIONS STAMPED BY A MA REGISTERED PROFESSIONAL ENGINEER DEMONSTRATING THE DESIGN TO BE IN COMPLIANCE WITH ALL LOADS NOTED AND THE STATE BUILDING CODE.
12. CONTRACTOR TO INSTALL VISUAL BARRIER SCREENING COVERING THE CHAIN LINK FENCE WITH A MAXIMUM 85% OPACITY. CONTRACTOR TO INSTALL THE SCREENING ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

SKC-002  
ADD-2

ADDENDUM 2



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**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

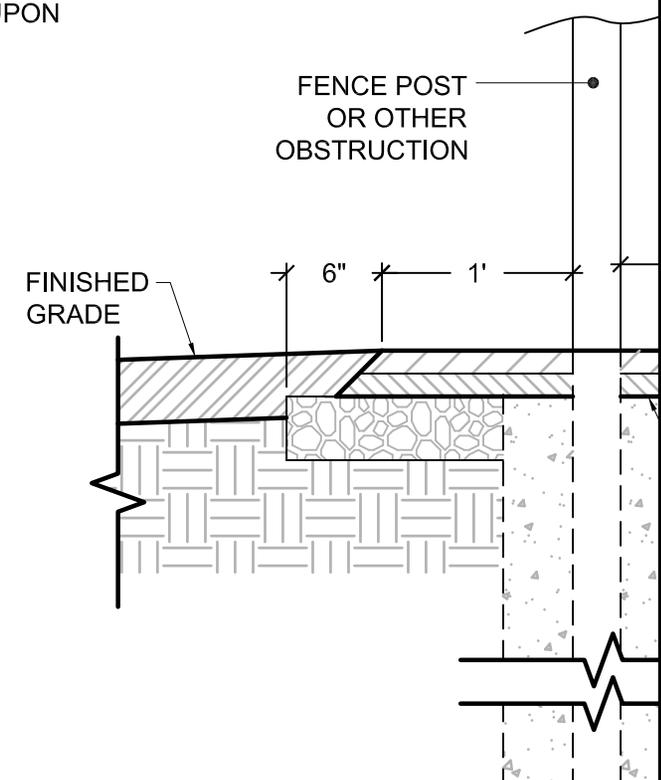
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DATE:	06/11/2015	

NOTES FOR TRACK LAYOUT:

1. REFER TO CIVIL ENGINEERING PLANS FOR GRADING AND DRAINAGE OF TRACK & FIELD FACILITY.
2. REFER TO CIVIL ENGINEERING PLANS FOR LOCATION AND ORIENTATION OF TRACK & FIELD FACILITY.

GENERAL NOTES:

1. LAYOUT AND DIMENSIONS OF FIELD AND ALL EVENT AREAS TO COMPLY WITH THE STANDARDS AND GUIDELINES AS SET FORTH BY AMERICAN SPORTS BUILDERS ASSOCIATION (ASBA) AND THE NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS (NFSHSA) AND THE MASSACHUSETTS INTER SCHOLASTIC ATHLETIC ASSOCIATION (MIAA).
2. THE CONTRACTOR SHALL CERTIFY THE FIELD TO THE MAXIMUM LEVEL POSSIBLE. MINIMUM LEVEL ONE CERTIFICATION, BASED ON REQUIREMENTS SET FORTH BY AMERICAN SPORTS BUILDERS ASSOCIATION (ASBA) AND THE NATIONAL FEDERATION FOR STATE HIGH SCHOOL ASSOCIATIONS (NFHS). THIS OFFICIAL DOCUMENT IS TO BE SUPPLIED TO THE OWNER UPON COMPLETION OF WORK.
3. SEE CIVIL GRADING AND DRAINAGE PLANS FOR MORE INFORMATION.
4. SEE SPECIFICATIONS FOR FIELD MARKINGS.
5. SEE SPECIFICATIONS FOR FIELD EQUIPMENT.
6. SEE SHEET X/XX FOR FIELD LAYOUTS



**1** MULTI-USE FIELD & TRACK: FIELD A  
SCALE: 1"=30'

BASE BID: ALL FIELDS  
NATURAL GRASS AND  
IRRIGATION

**ALTERNATE #3**

ALTERNATE 3- SYNTHETIC  
TURF FOOTBALL FIELD,  
POLYURETHANE TRACK,  
AND SCOREBOARD

ADD2  
SKL-002

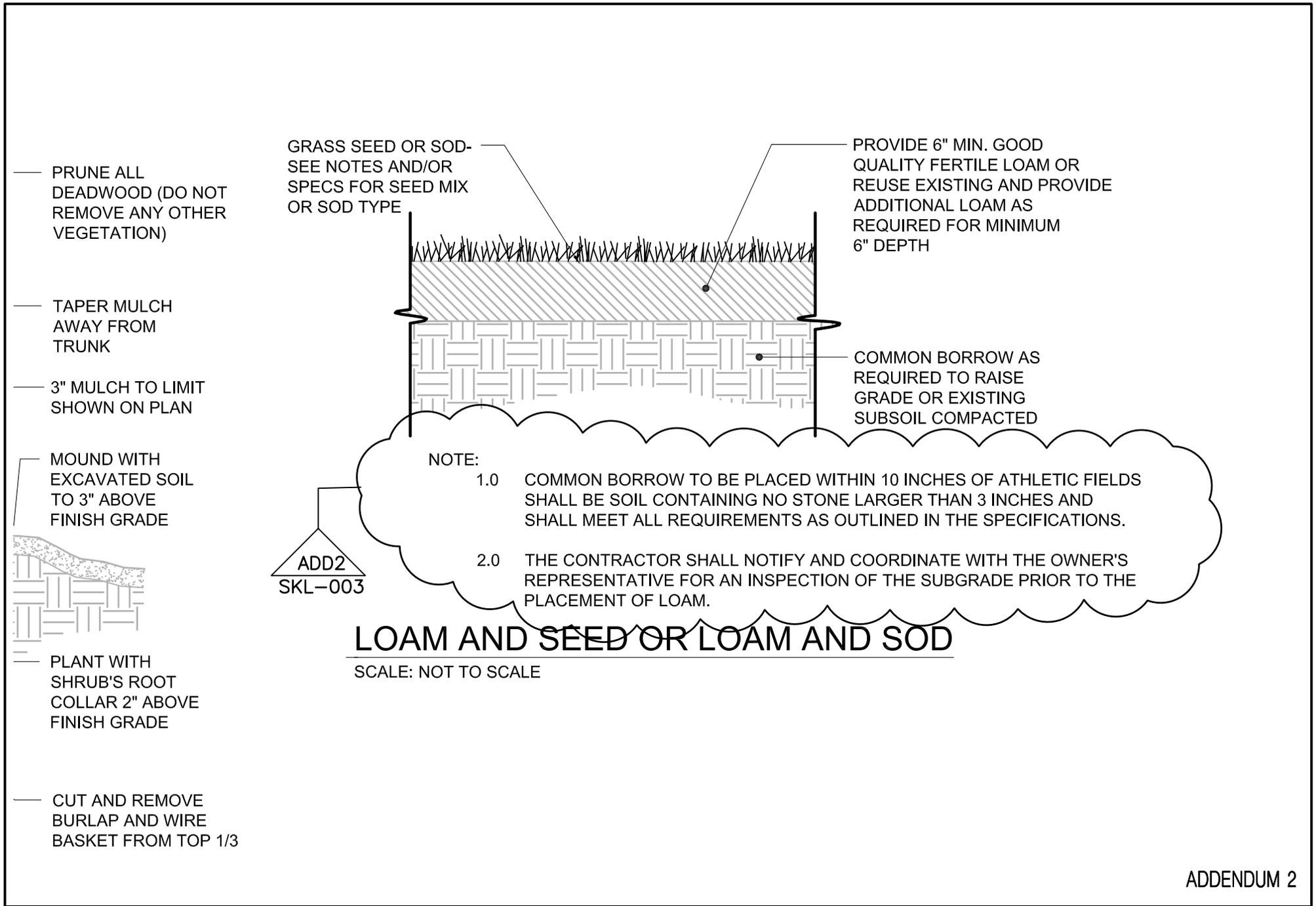
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DRAWN BY:	AJE	<b>SKL-002</b>
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JOB NO:	1308.00	
DATE:	06/11/2015	
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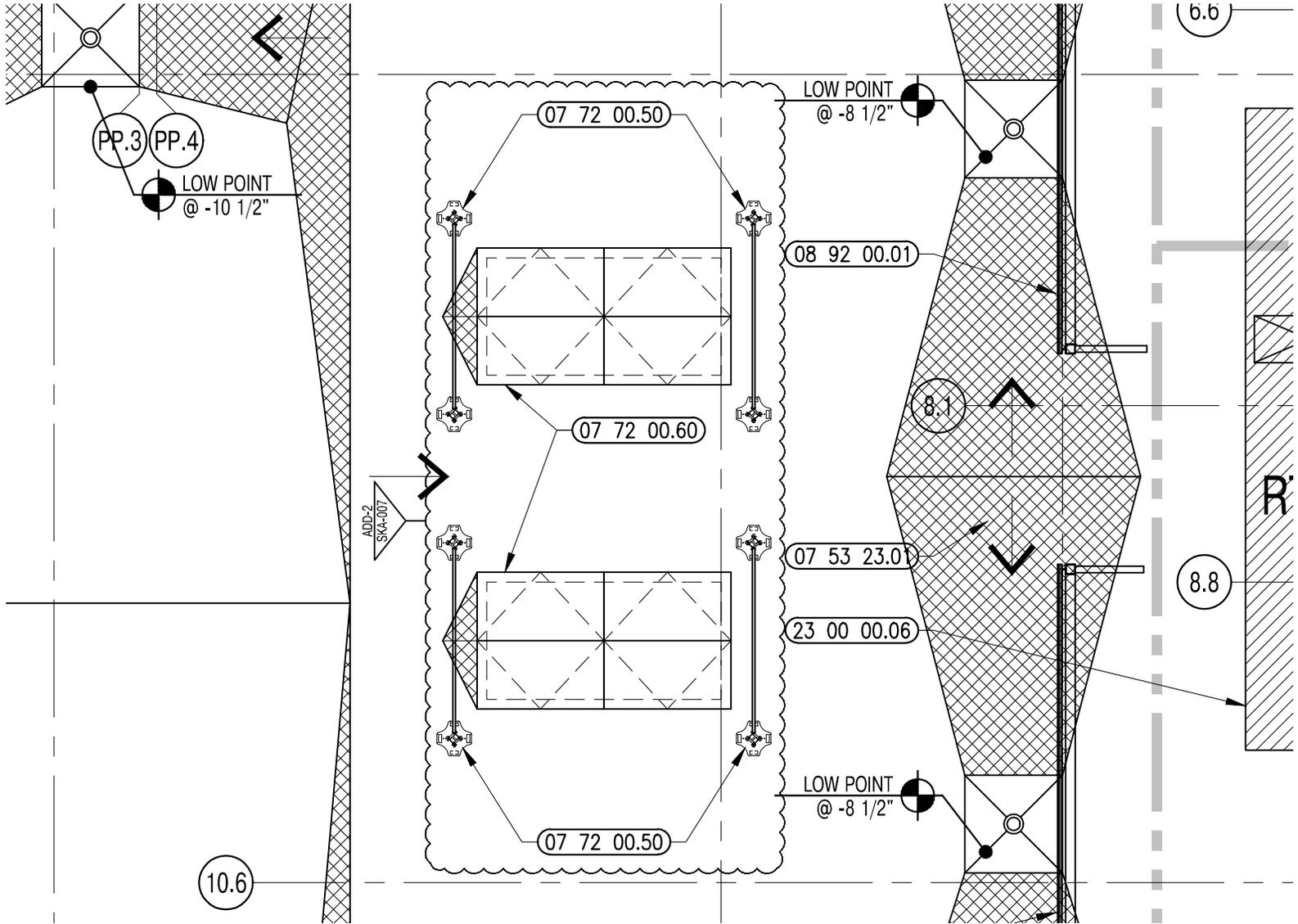
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SCALE:	N/A	
JOB NO:	1308.00	
DATE:	06/11/2015	
REF DWG:	L15	



07 72 00.50 ROOF GUARDRAIL SYSTEM  
 07 72 00.60 HEAT AND SMOKE VENT - 5'-6" x 12'-0"

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

ADDENDUM 2

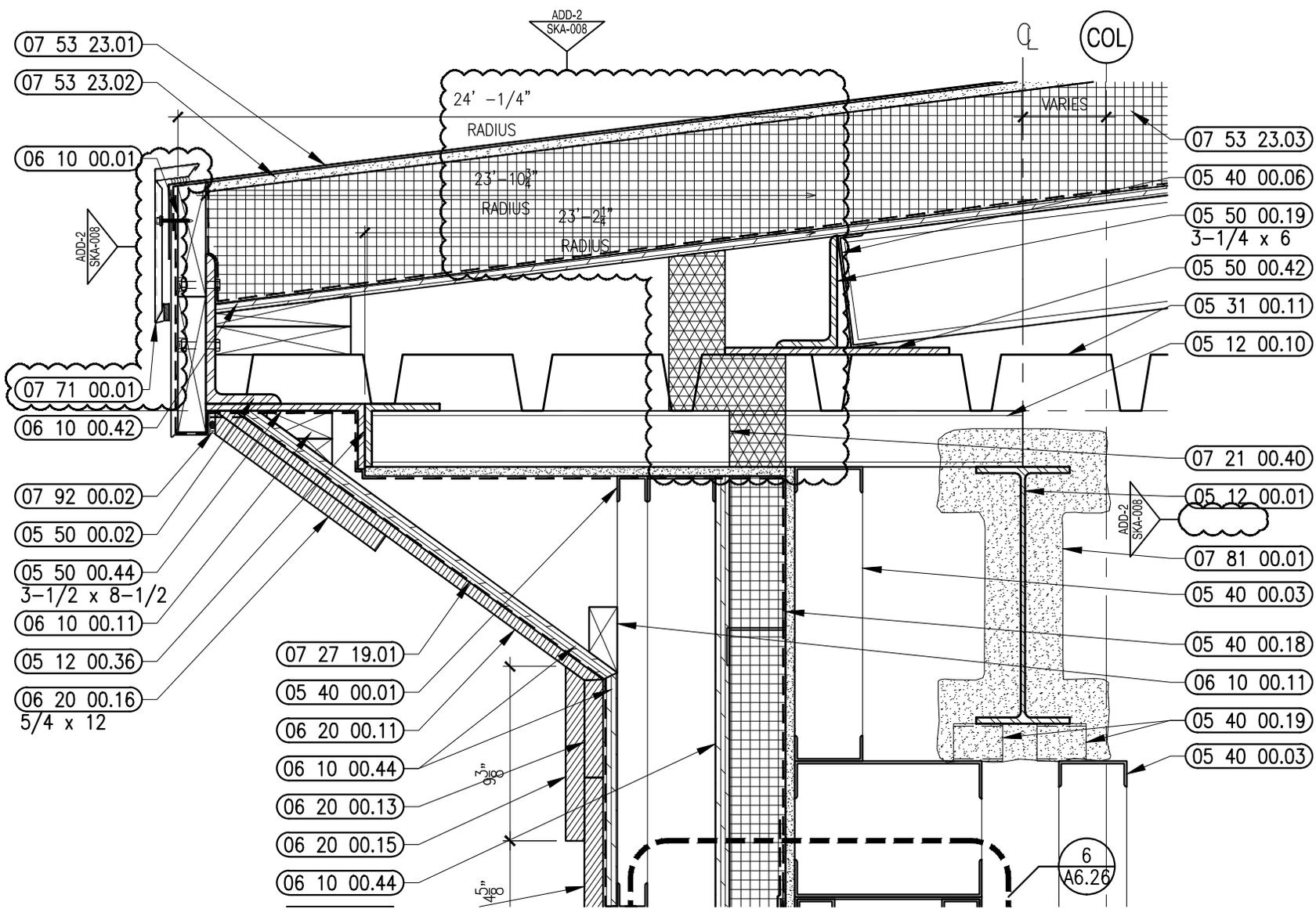


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 JOB NO: 1308.00  
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**SKA-007**  
 REF DWG: A1.55



**3** VERTICAL DETAIL  
 1-1/2" = 1'-0"

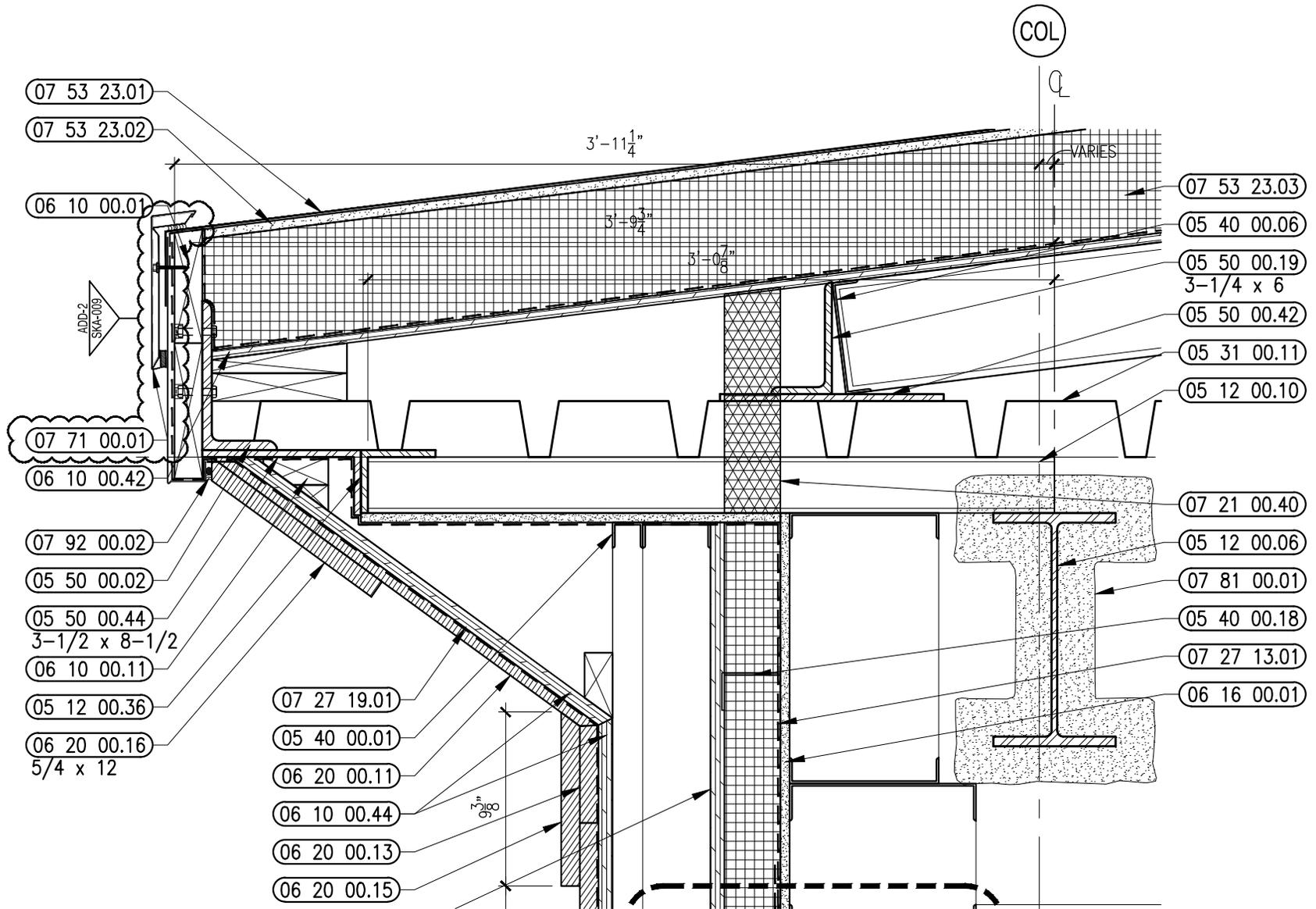
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**1** VERTICAL DETAIL  
 1-1/2" = 1'-0"

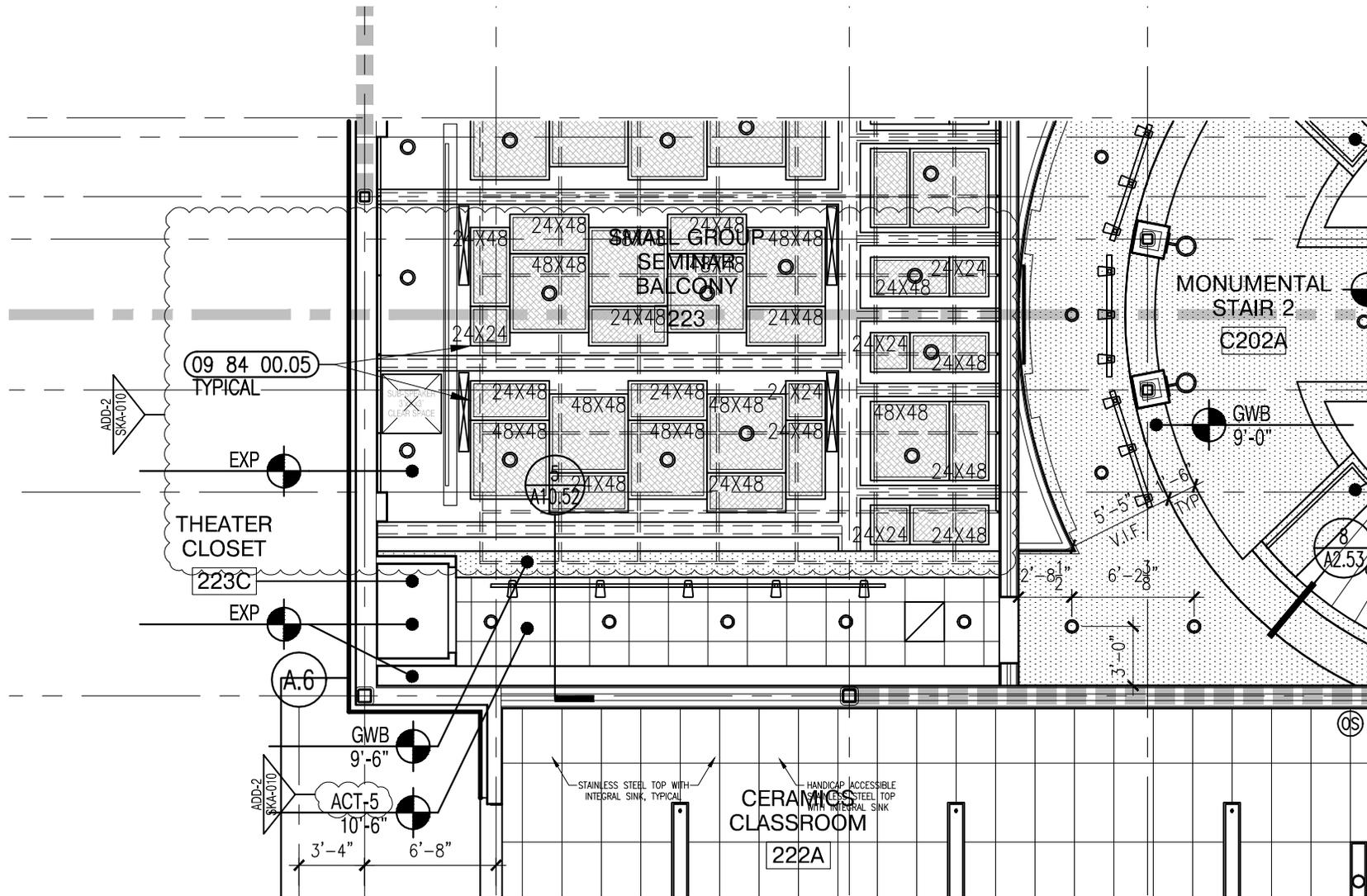
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SCALE:		
JOB NO:	1308.00	
DATE:		



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

ADDENDUM 2

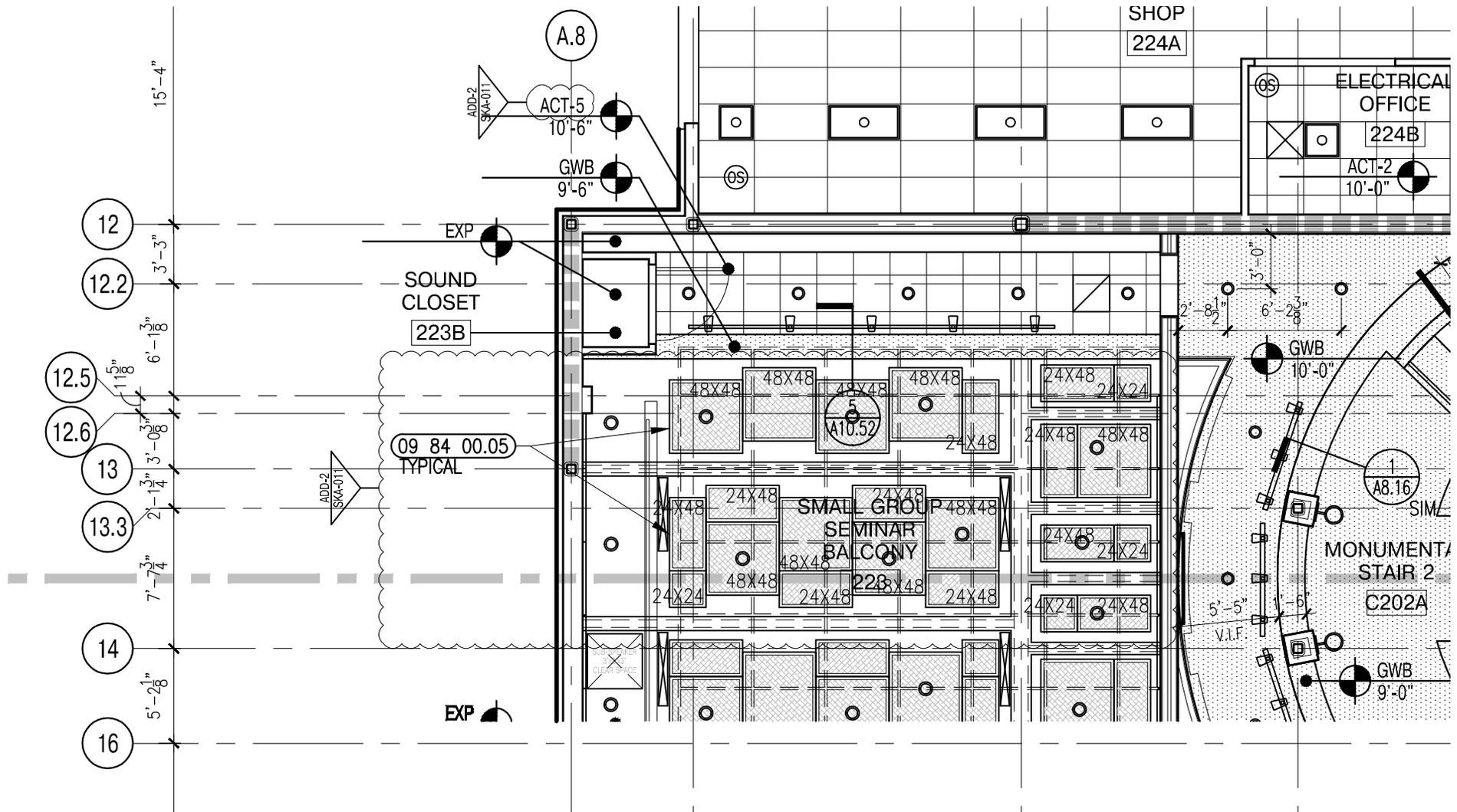


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 JOB NO: 1308.00  
 DATE: 8/11/2015

**SKA-010**  
 REF DWG: A2.21



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

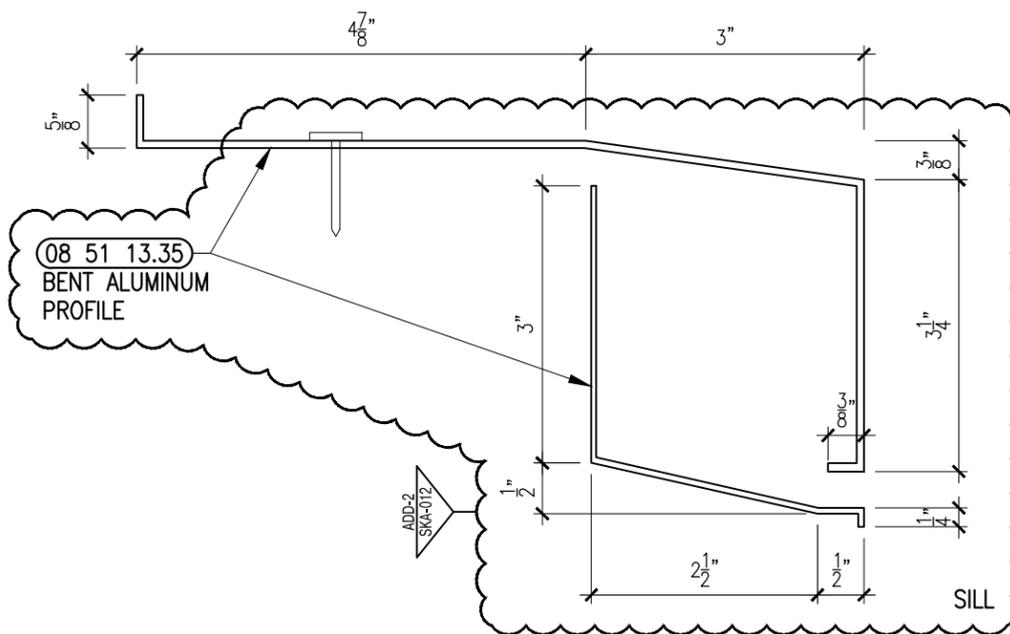
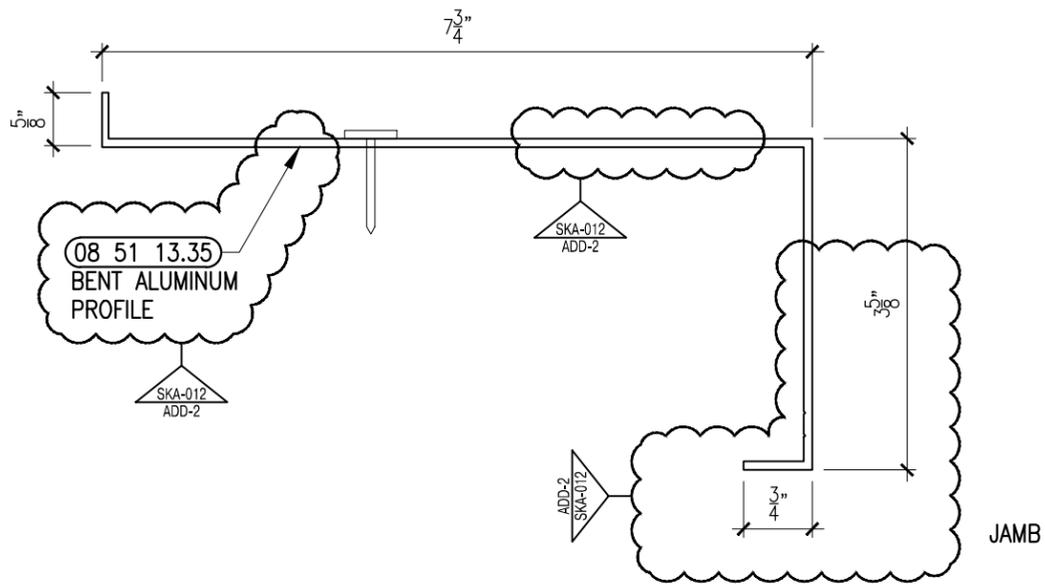
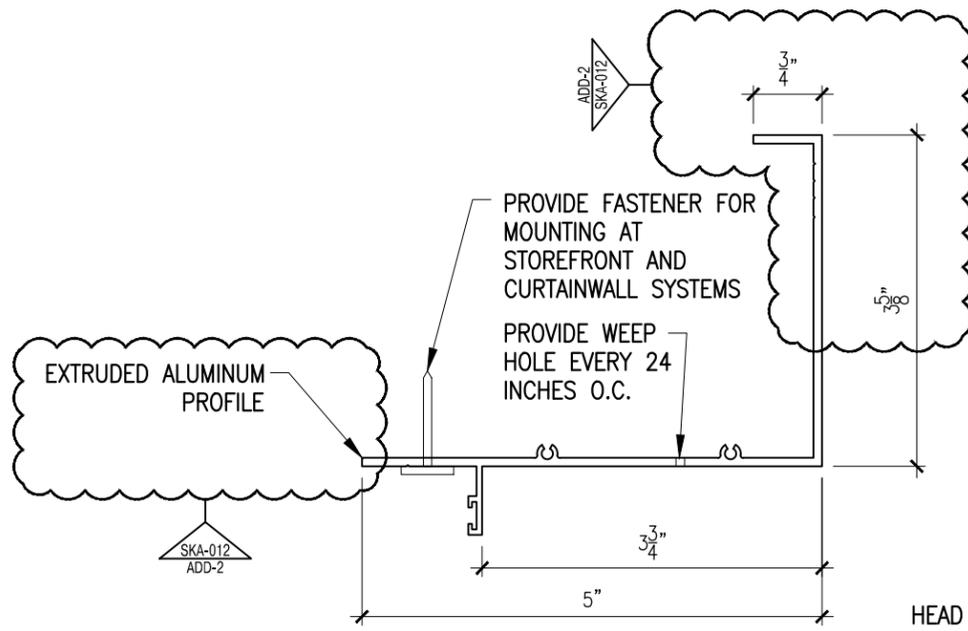
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DRAWN BY:	JPT	<b>SKA-011</b> REF DWG: A2.22
SCALE:	1/8" = 1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	



**14** EXTERIOR WINDOW SNAP TRIM @ BRICK  
6" = 1'-0"

ADDENDUM 2



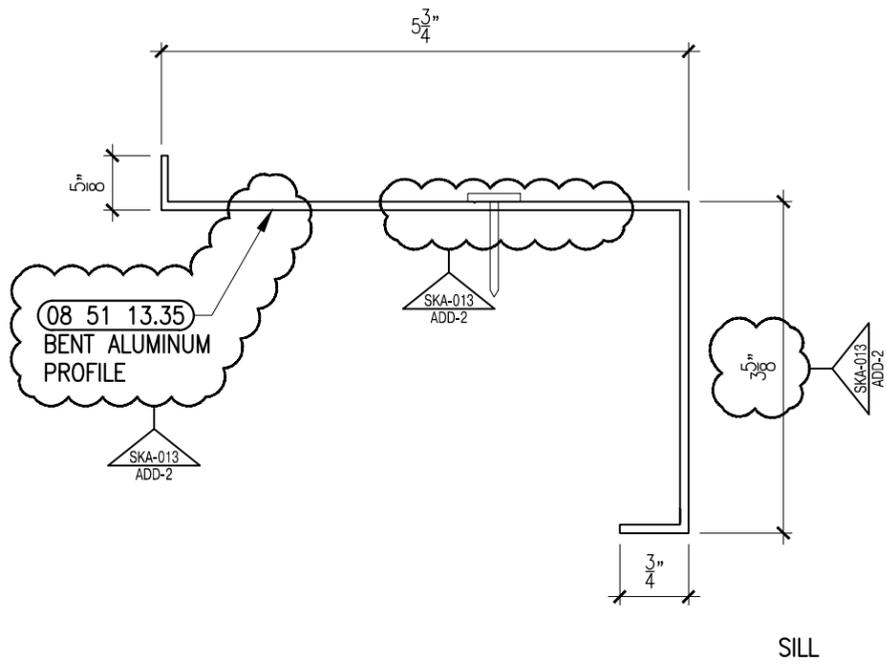
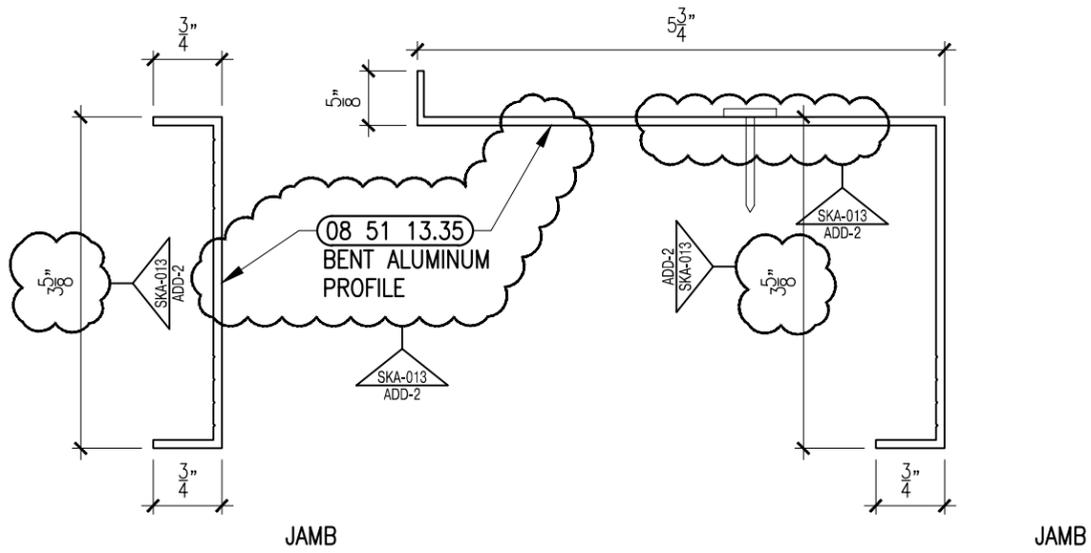
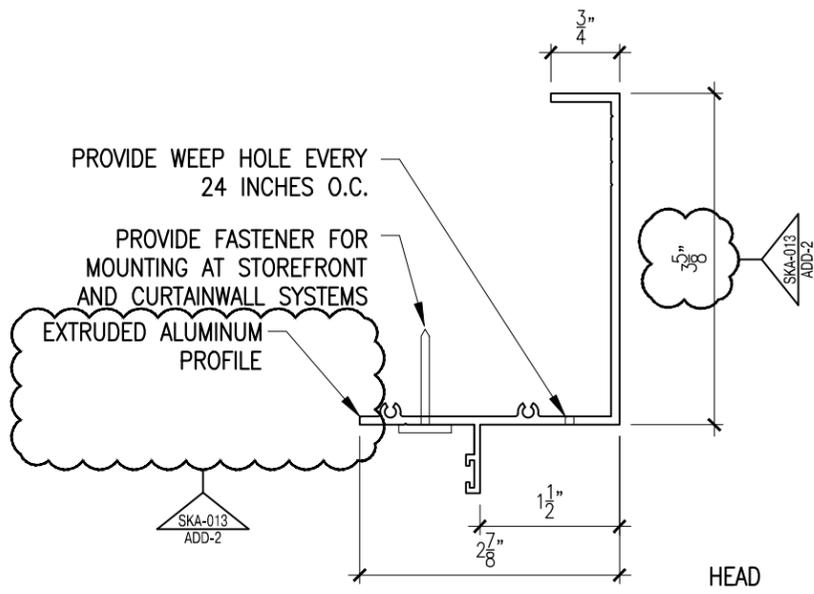
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DRAWN BY:	JPT
SCALE:	6" = 1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

**SKA-012**

REF DWG: A6.06



**15** EXTERIOR WINDOW SNAP TRIM @ CEMENT PANEL  
6" = 1'-0"

ADDENDUM 2



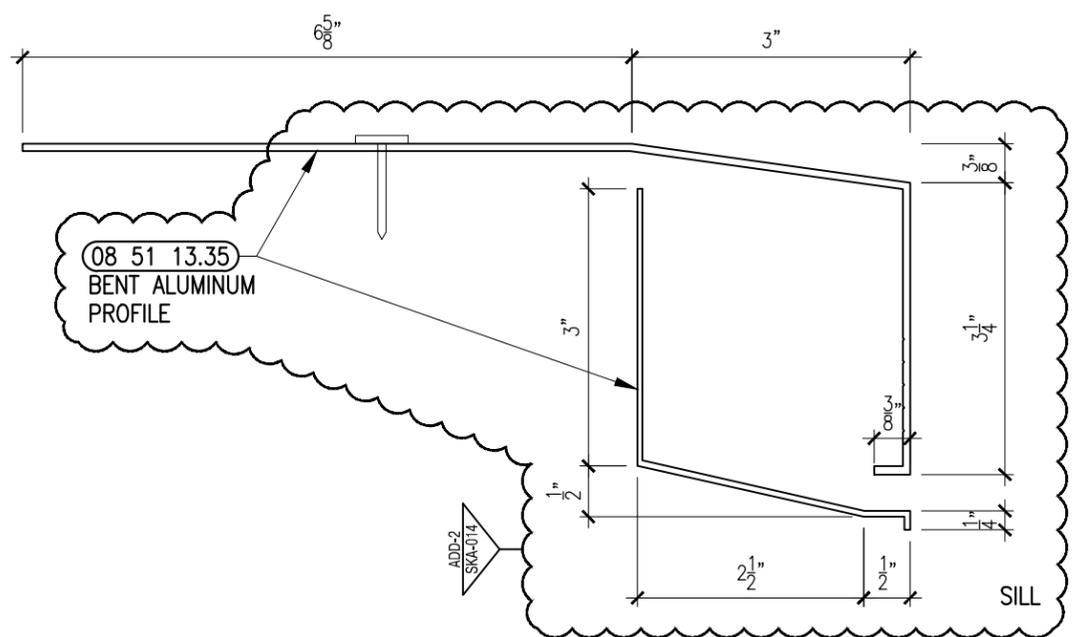
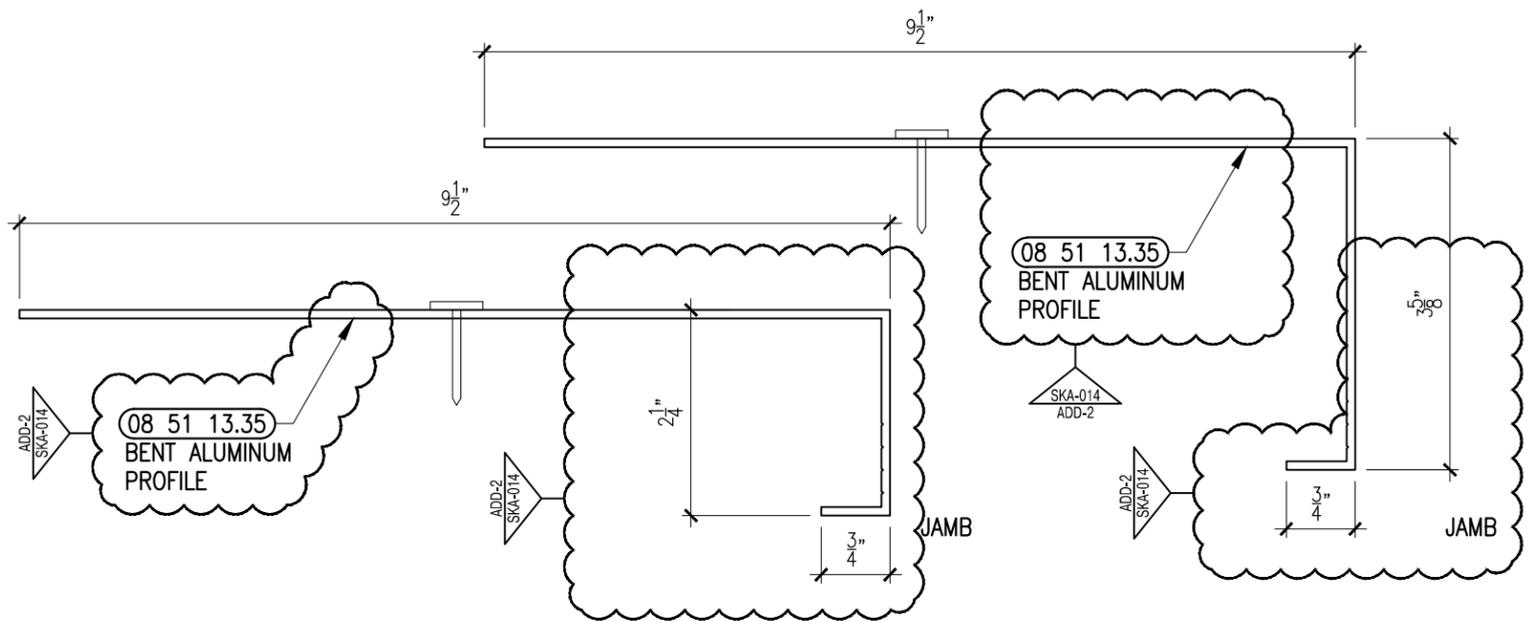
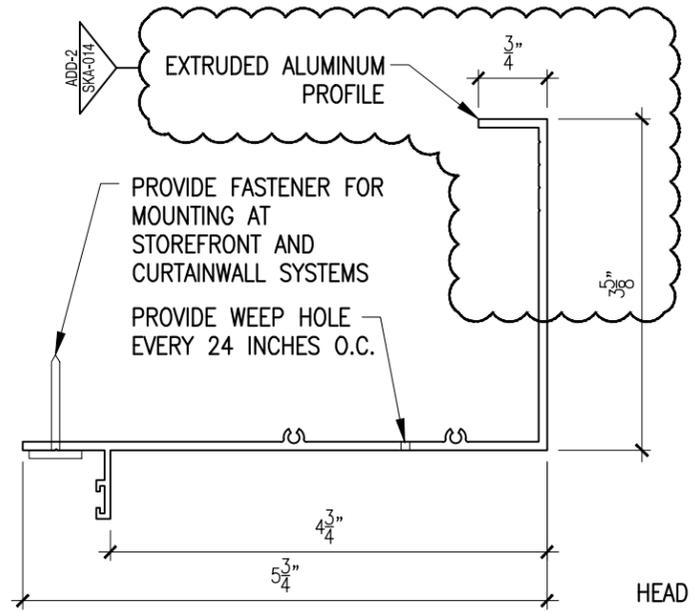
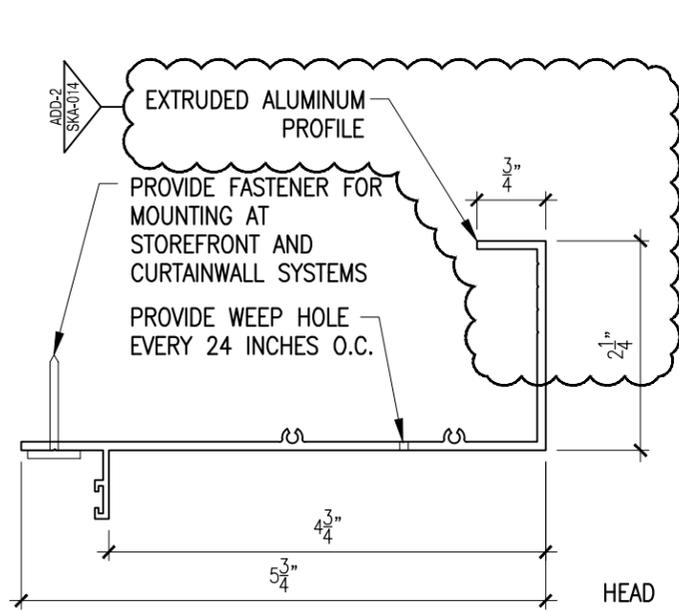
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**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

DRAWN BY:	JPT
SCALE:	6" = 1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

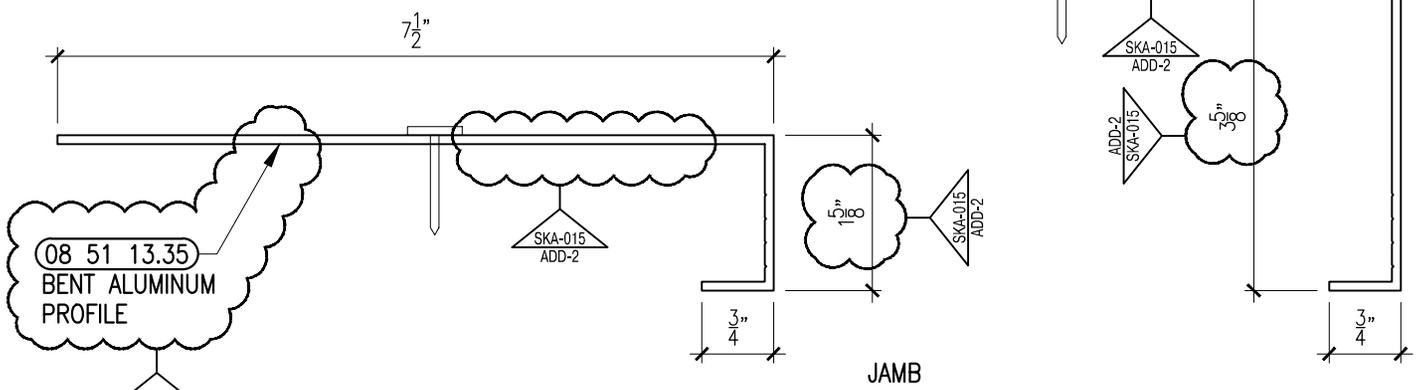
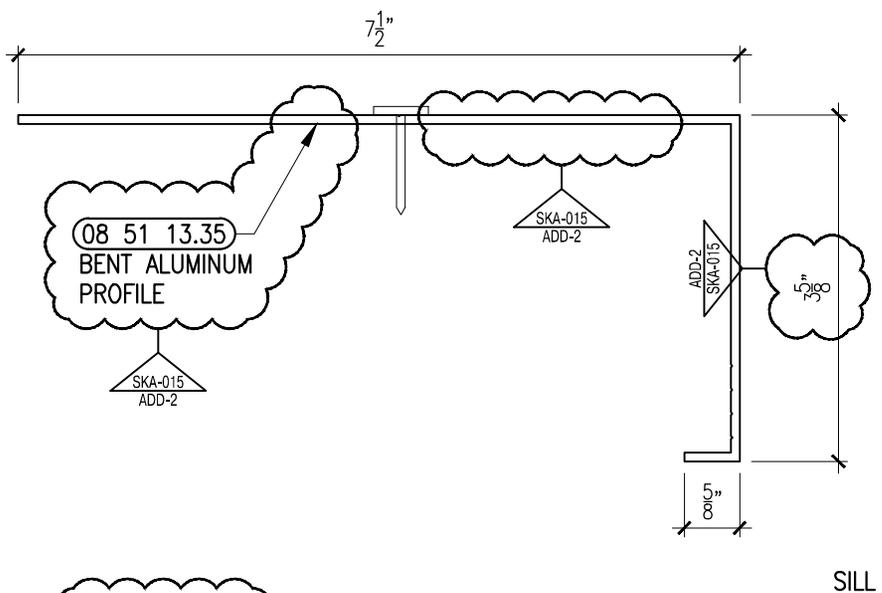
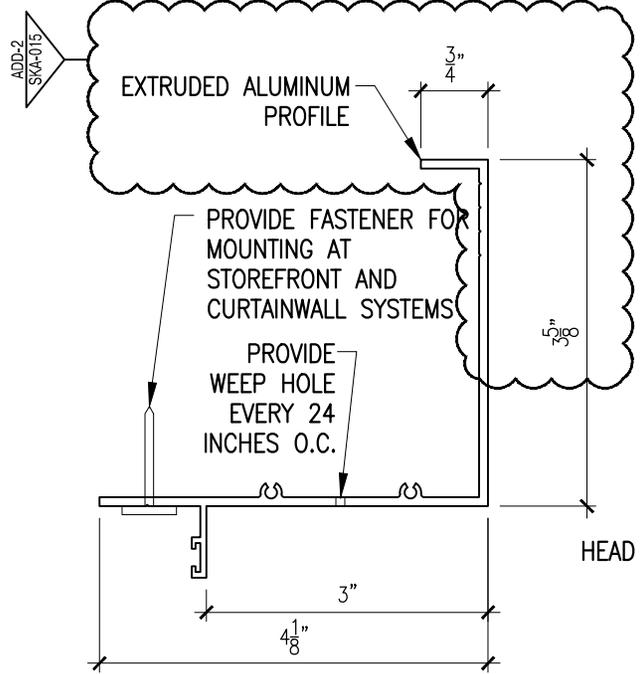
**SKA-013**

REF DWG: A6.06



**16** EXTERIOR STOREFRONT SNAP TRIM @ BRICK  
6" = 1'-0"

ADDENDUM 2



17

EXTERIOR STOREFRONT SNAP TRIM @ CEMENT PANEL

6" = 1'-0"

JAMB

ADDENDUM 2

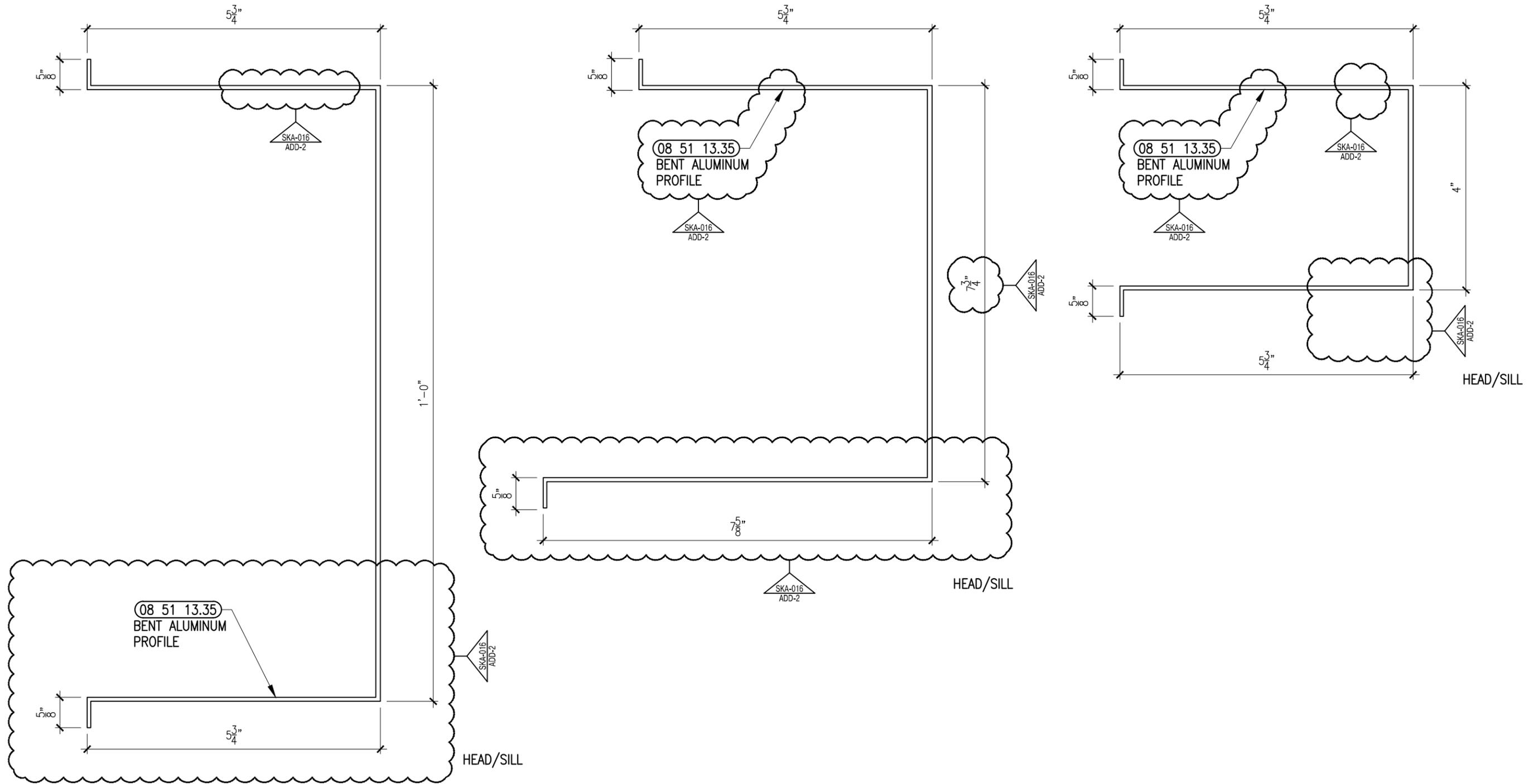


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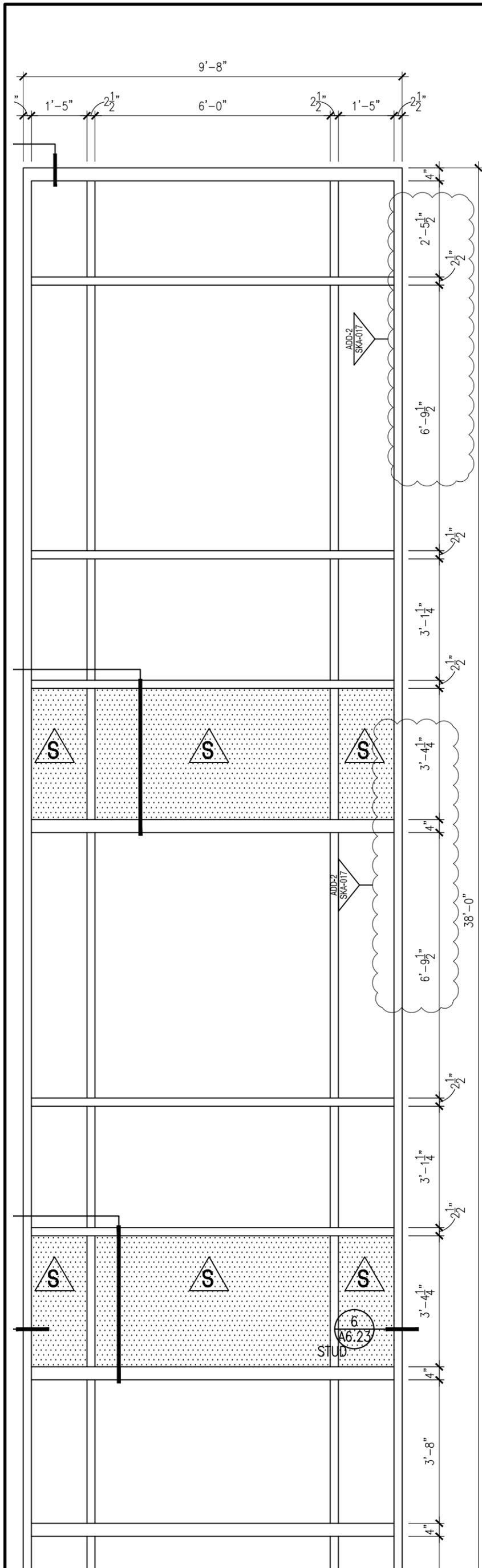
PLYMOUTH SOUTH HIGH SCHOOL  
Plymouth, MA

DRAWN BY: JPT  
SCALE: 6" = 1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

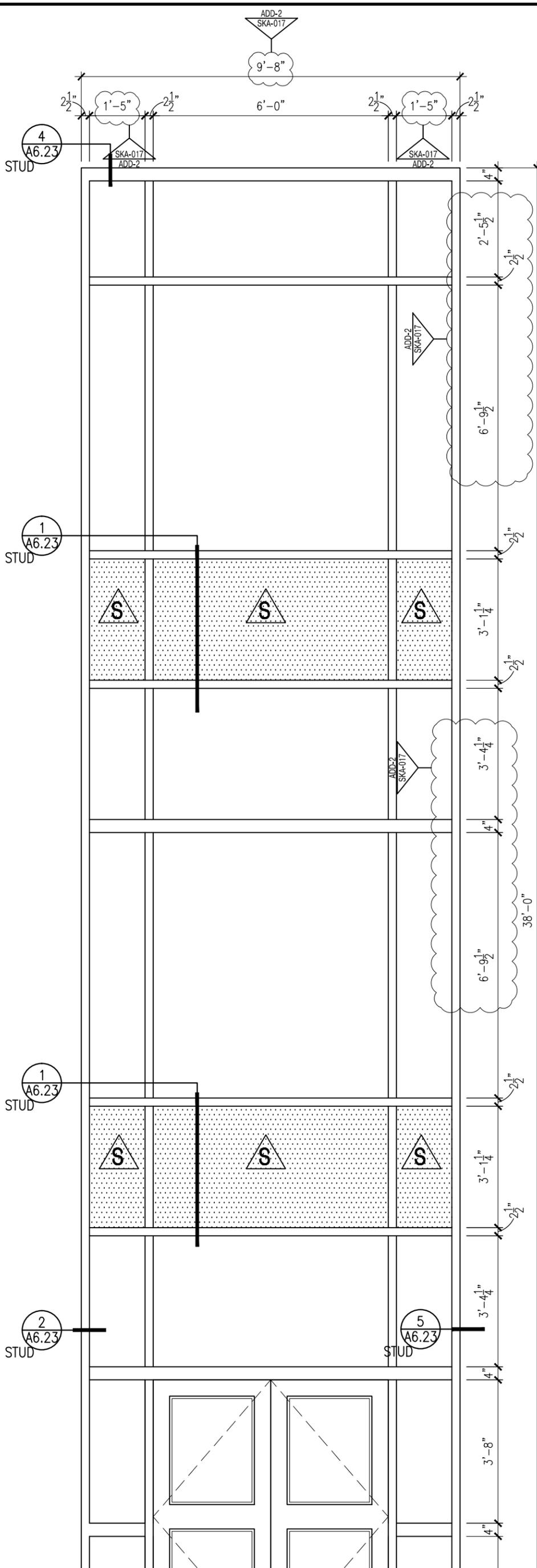
SKA-015  
REF DWG: A6.06



18 EXTERIOR STOREFRONT SNAP TRIM @ ENTRY  
6" = 1'-0"



CW 4 CURTAINWALL TYPE 4



CW 1 CURTAINWALL TYPE 1

ADDENDUM 2



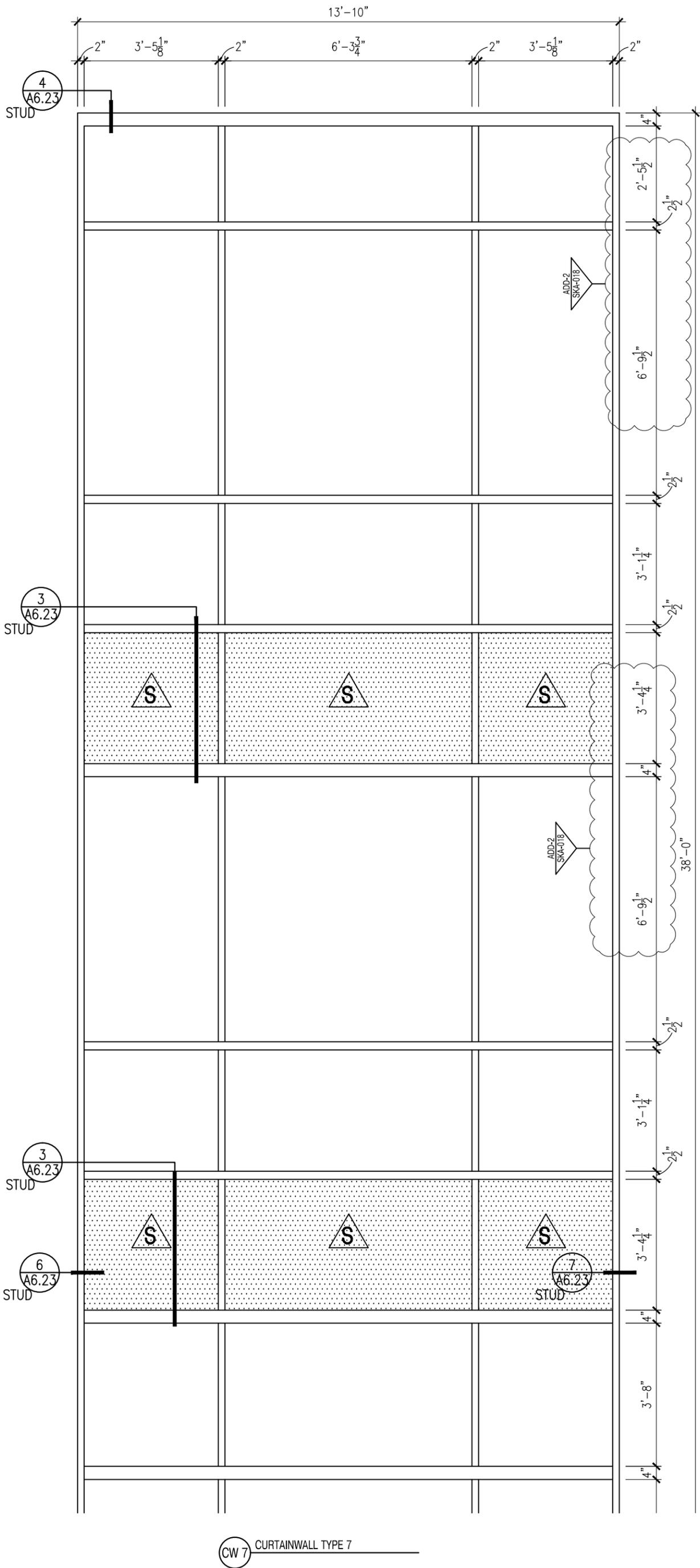
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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: JPT  
SCALE: 3/8" = 1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

SKA-017  
REF DWG: A6.21



CW 7 CURTAINWALL TYPE 7

ADDENDUM 2

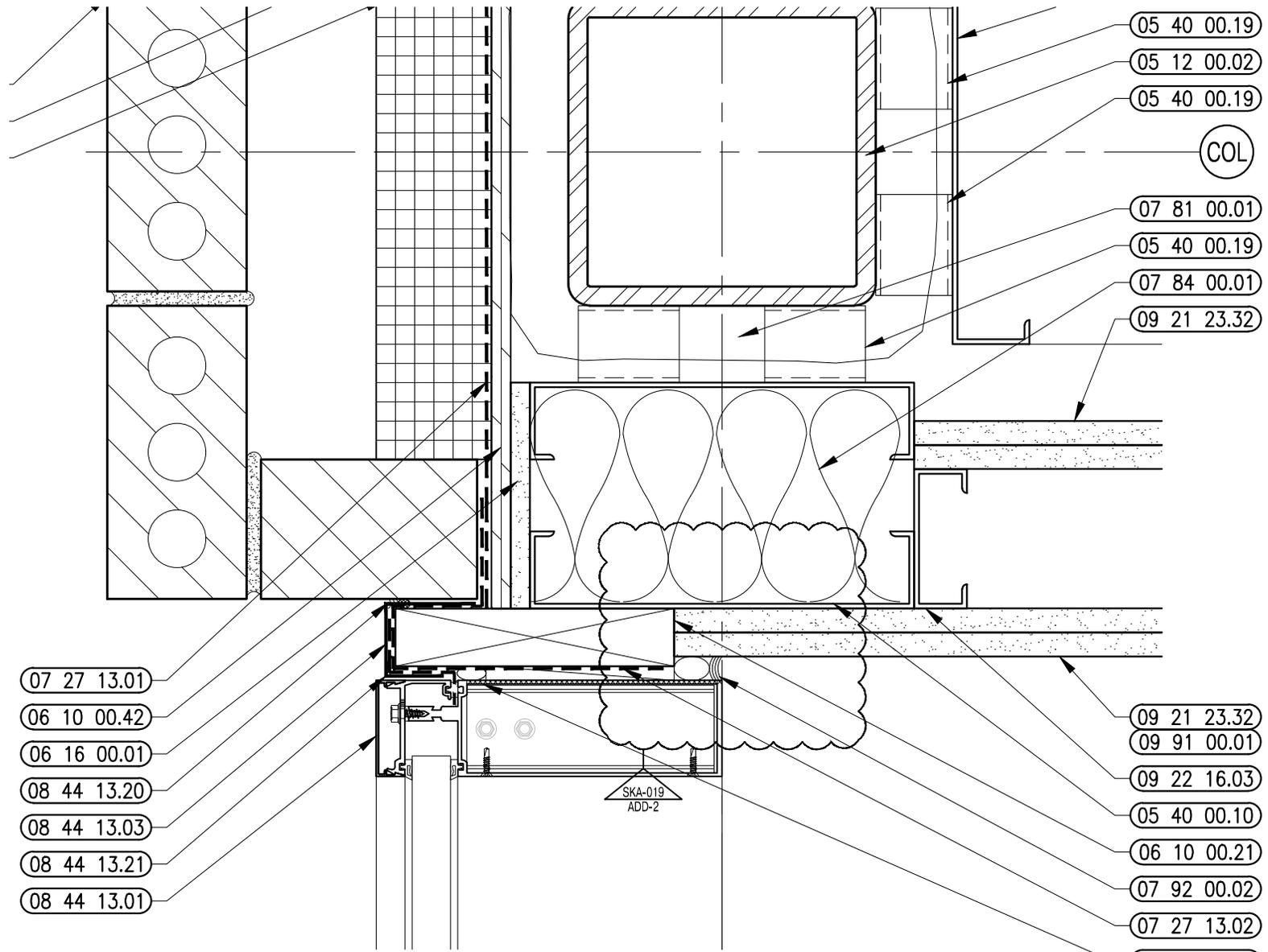


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**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

DRAWN BY: JPT  
SCALE: 3/8" = 1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

**SKA-018**  
REF DWG: A6.21



- 05 40 00.19
- 05 12 00.02
- 05 40 00.19
- COL
- 07 81 00.01
- 05 40 00.19
- 07 84 00.01
- 09 21 23.32

- 07 27 13.01
- 06 10 00.42
- 06 16 00.01
- 08 44 13.20
- 08 44 13.03
- 08 44 13.21
- 08 44 13.01

- 09 21 23.32
- 09 91 00.01
- 09 22 16.03
- 05 40 00.10
- 06 10 00.21
- 07 92 00.02
- 07 27 13.02
- 07 92 00.03

**2** CURTAINWALL JAMB DETAIL  
 3" = 1'-0"

ADDENDUM 2

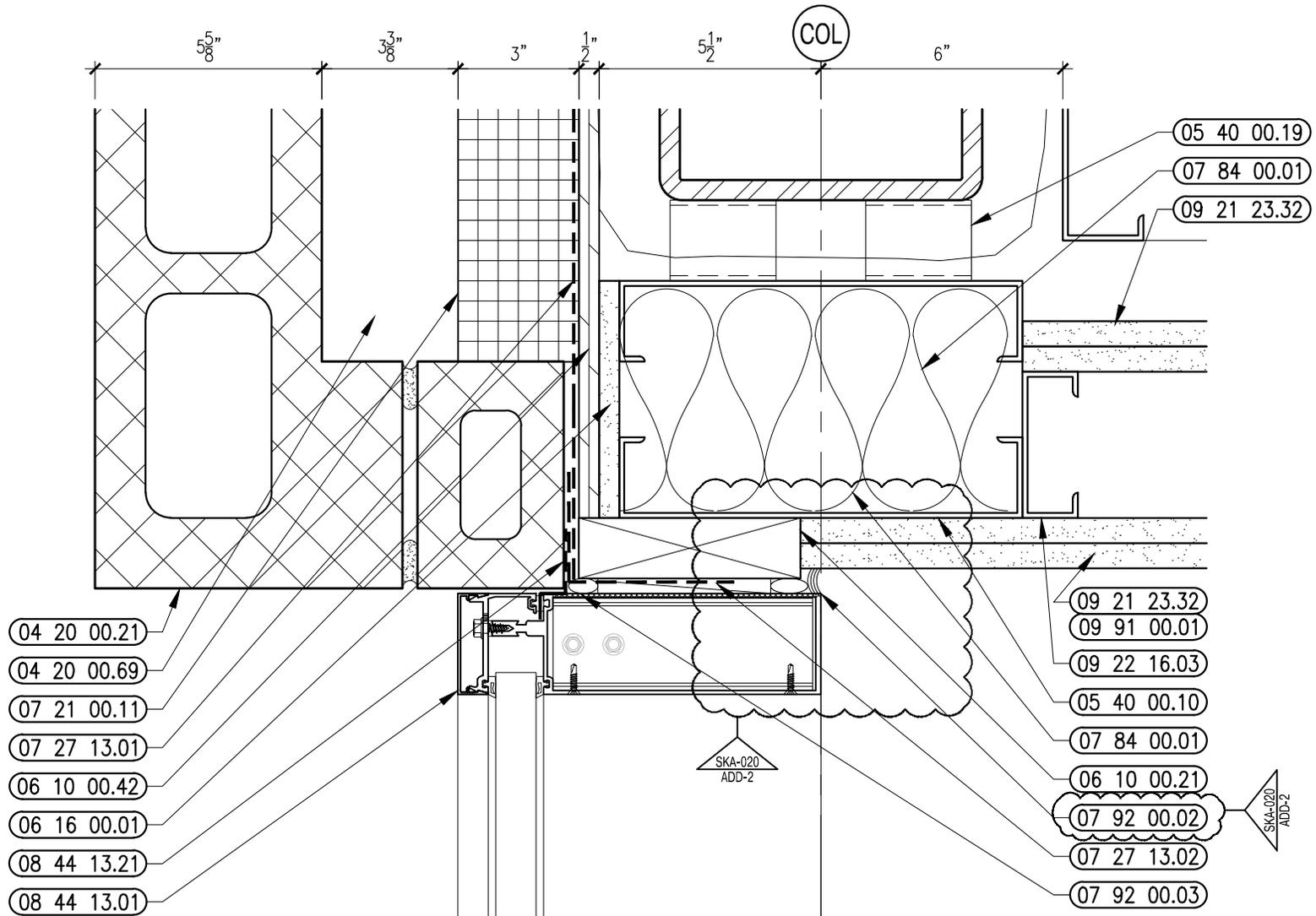


526 Boston Post Road  
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 FAX. 508.358.0791

**PLYMOUTH SOUTH HIGH SCHOOL**  
 Plymouth, MA

DRAWN BY:	JPT
SCALE:	3" = 1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

<b>SKA-019</b>
REF DWG: A6.23



**11** CURTAINWALL JAMB DETAIL  
 3" = 1'-0"

ADDENDUM 2



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**PLYMOUTH SOUTH HIGH SCHOOL**  
 Plymouth, MA

DRAWN BY: JPT  
 SCALE: 3" = 1'-0"  
 JOB NO: 1308.00  
 DATE: 6/11/2015

**SKA-020**  
 REF DWG: A6.23

ADD-2  
SKA-021

**PORCELAIN PAVER TILE PATTERN LEGEND**

	PT-1		PT-5		PT-9
	PT-2		PT-6		PT-10
	PT-3		PT-7		PT-11
	PT-4		PT-8		PT-12

ADDENDUM 2

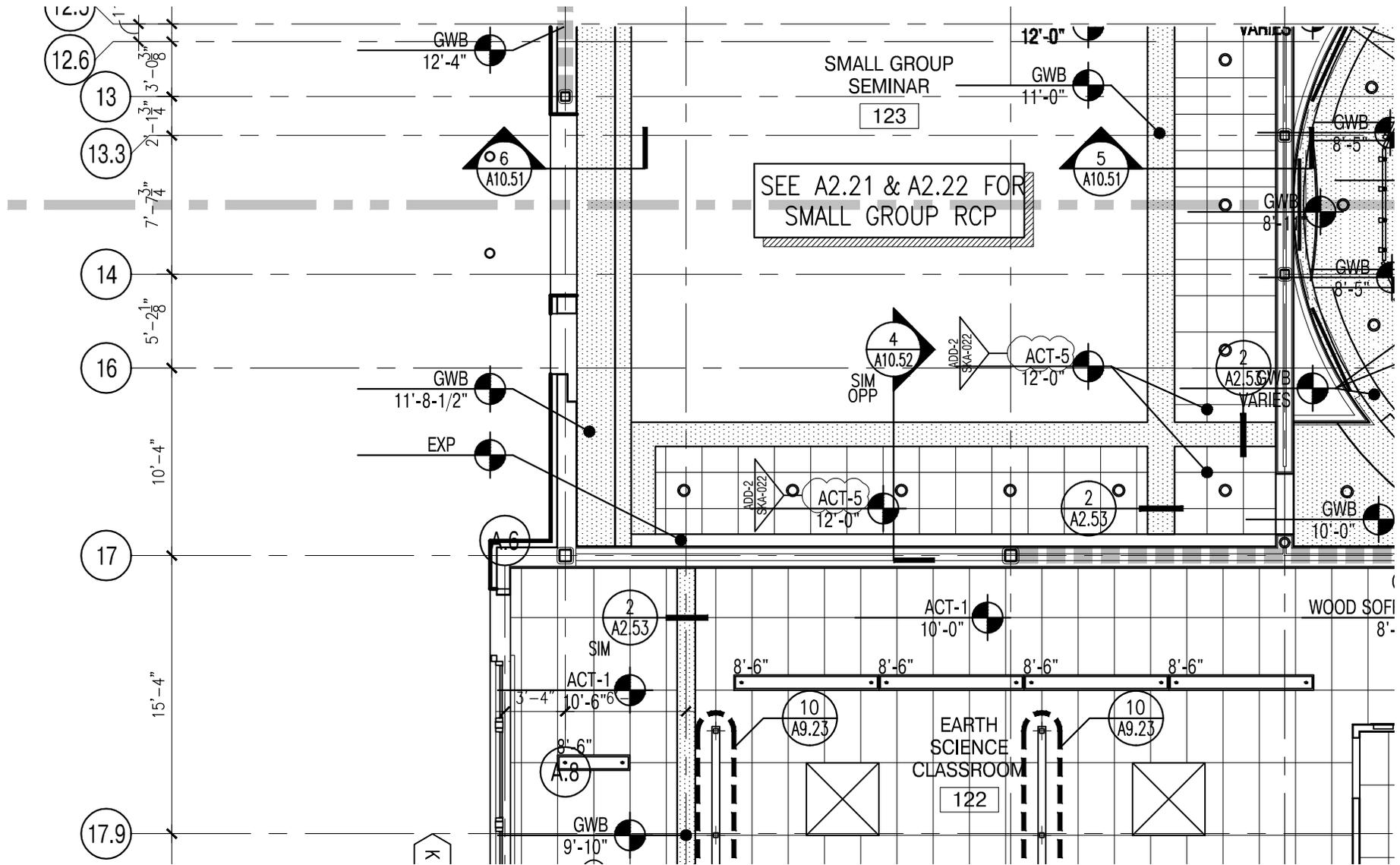


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**PLYMOUTH SOUTH HIGH SCHOOL**  
**Plymouth, MA**

DRAWN BY: JPT  
SCALE: NTS  
JOB NO: 1308.00  
DATE: 6/11/2015

**SKA-021**  
A7.01, A7.02,  
REF DWG: A7.03 & A7.04



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

ADDENDUM 2

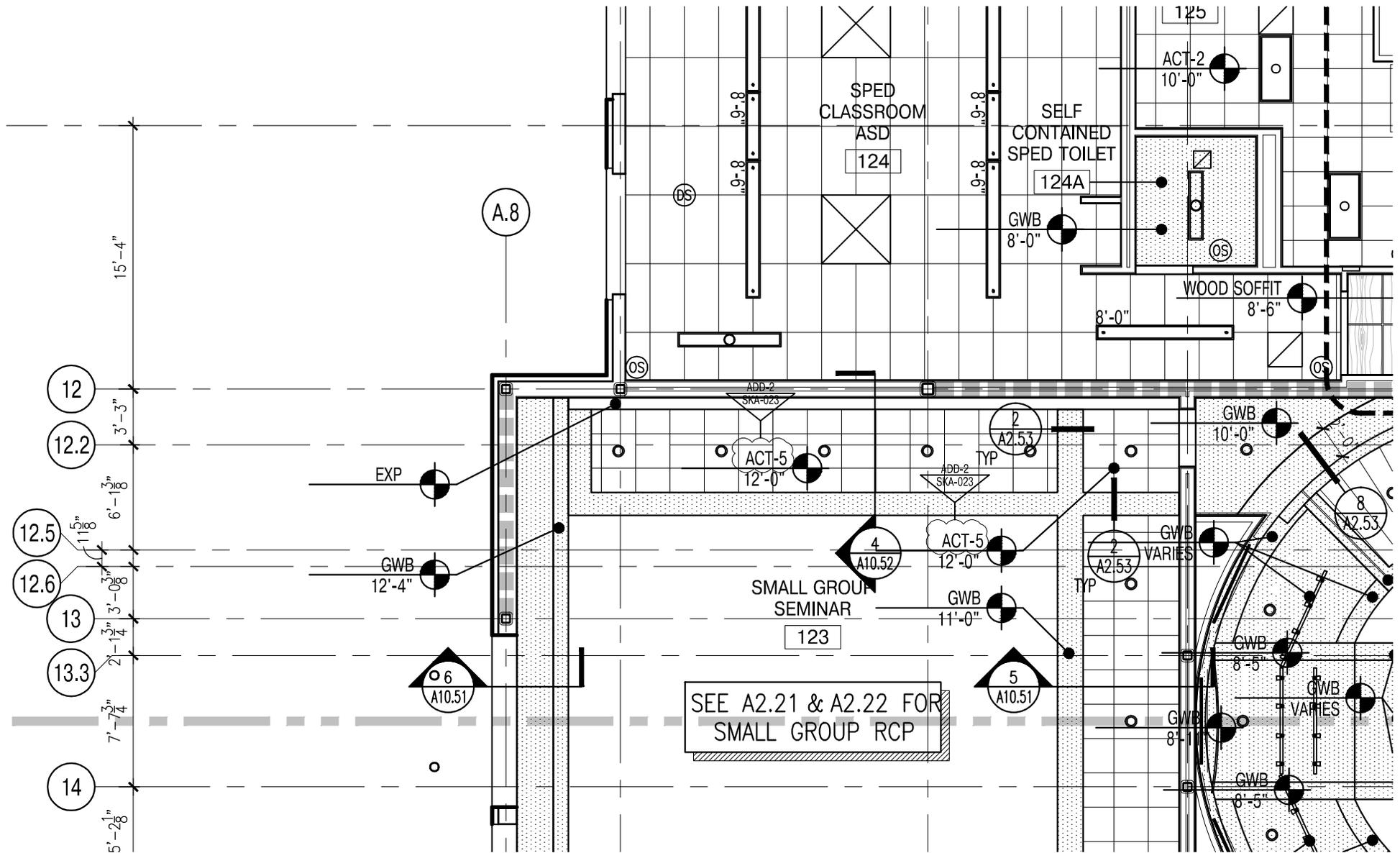


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**PLYMOUTH SOUTH HIGH SCHOOL**  
 Plymouth, MA

DRAWN BY: JPT  
 SCALE: 1/8" = 1'-0"  
 JOB NO: 1308.00  
 DATE: 6/11/2015

**SKA-022**  
 REF DWG: A2.11



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

ADDENDUM 2

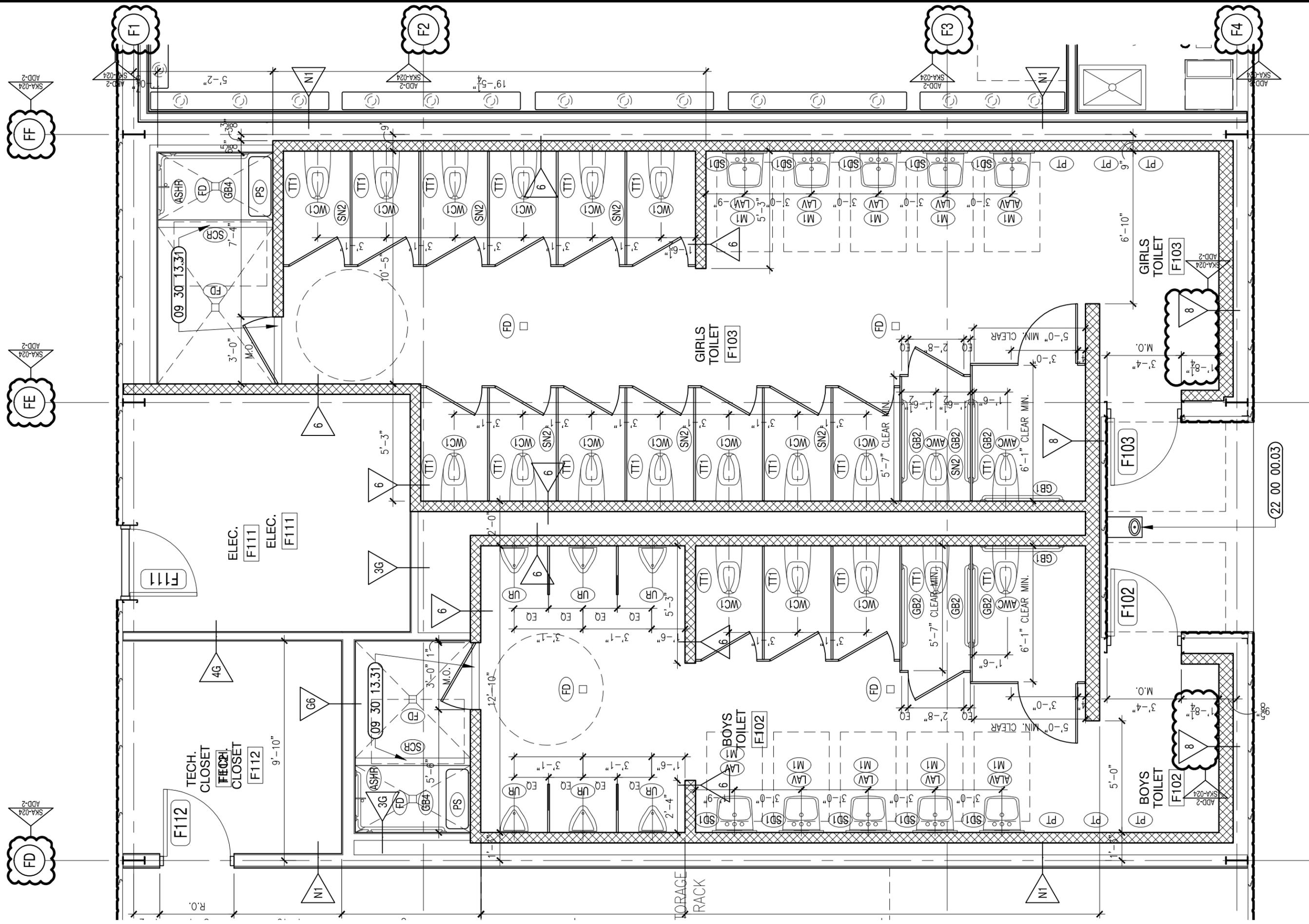


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**PLYMOUTH SOUTH HIGH SCHOOL**  
 Plymouth, MA

DRAWN BY: JPT  
 SCALE: 1/8" = 1'-0"  
 JOB NO: 1308.00  
 DATE: 6/11/2015

**SKA-023**  
 REF DWG: A2.12



**6 ENLARGED PLAN - RESTROOM FACILITY**  
 1/4" = 1'-0"

ADDENDUM 2

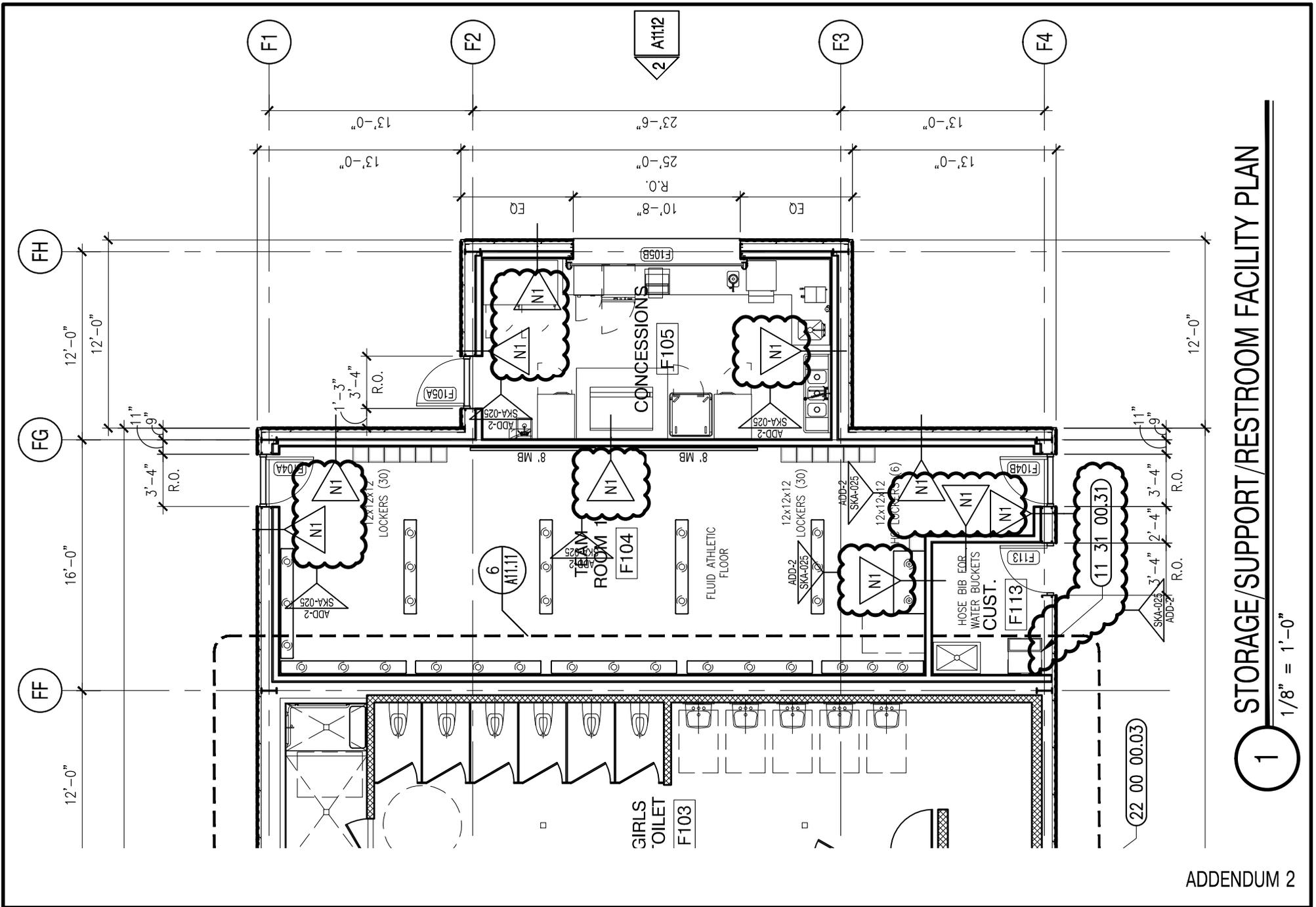


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**PLYMOUTH SOUTH HIGH SCHOOL**  
 Plymouth, MA

DRAWN BY: JPT  
 SCALE: 1/4" = 1'-0"  
 JOB NO: 1308.00  
 DATE: 6/11/2015

SKA-024  
 REF DWG: A11.21



1 STORAGE/SUPPORT/RESTROOM FACILITY PLAN

1/8" = 1'-0"

ADDENDUM 2

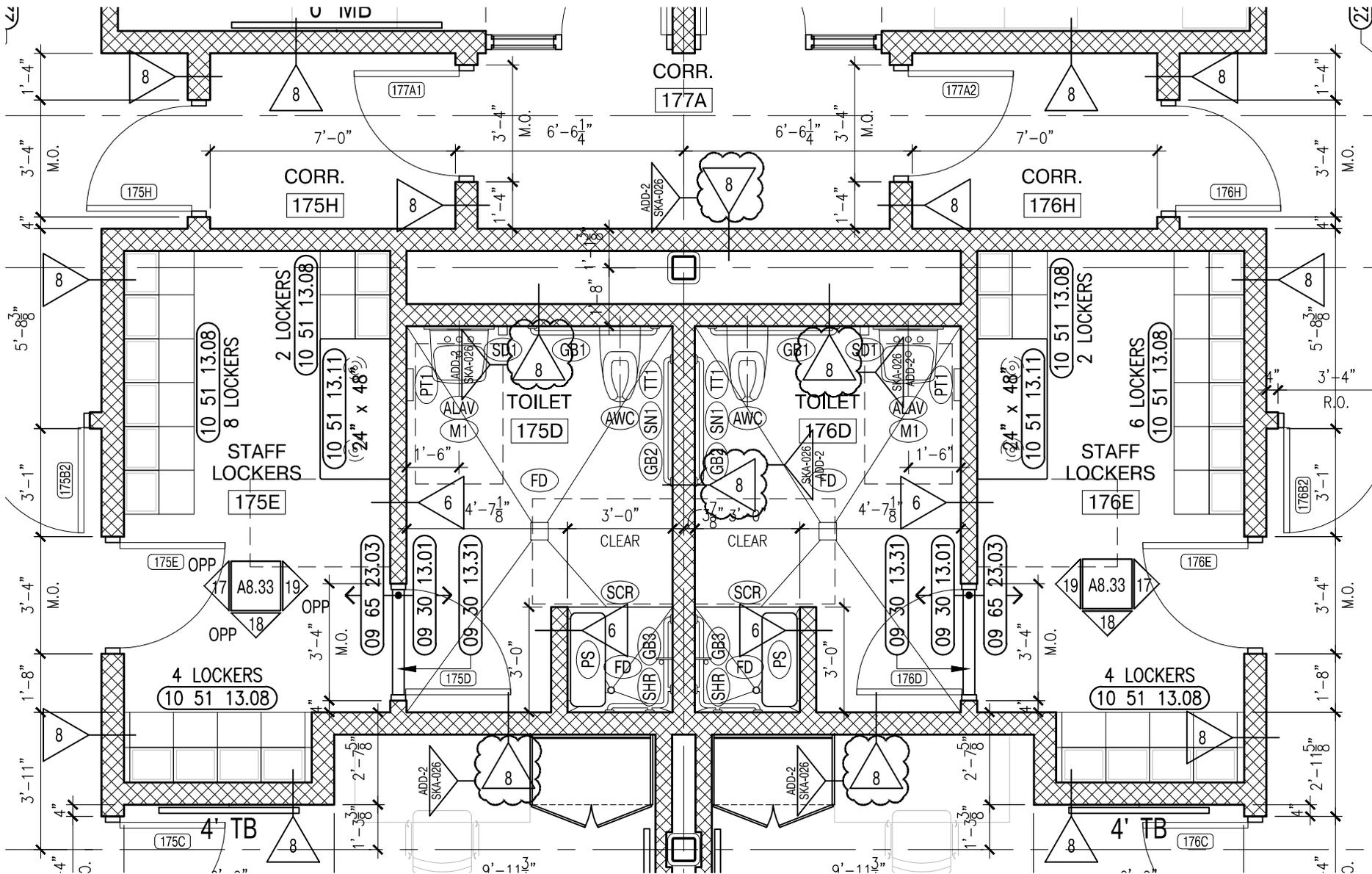


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PLYMOUTH SOUTH HIGH SCHOOL  
Plymouth, MA

DRAWN BY:	JPT
SCALE:	1/8" = 1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

SKA-025
REF DWG: A11.21



**1 ENLARGED LOCKER ROOM PLAN**  
 1/4" = 1'-0"

ADDENDUM 2

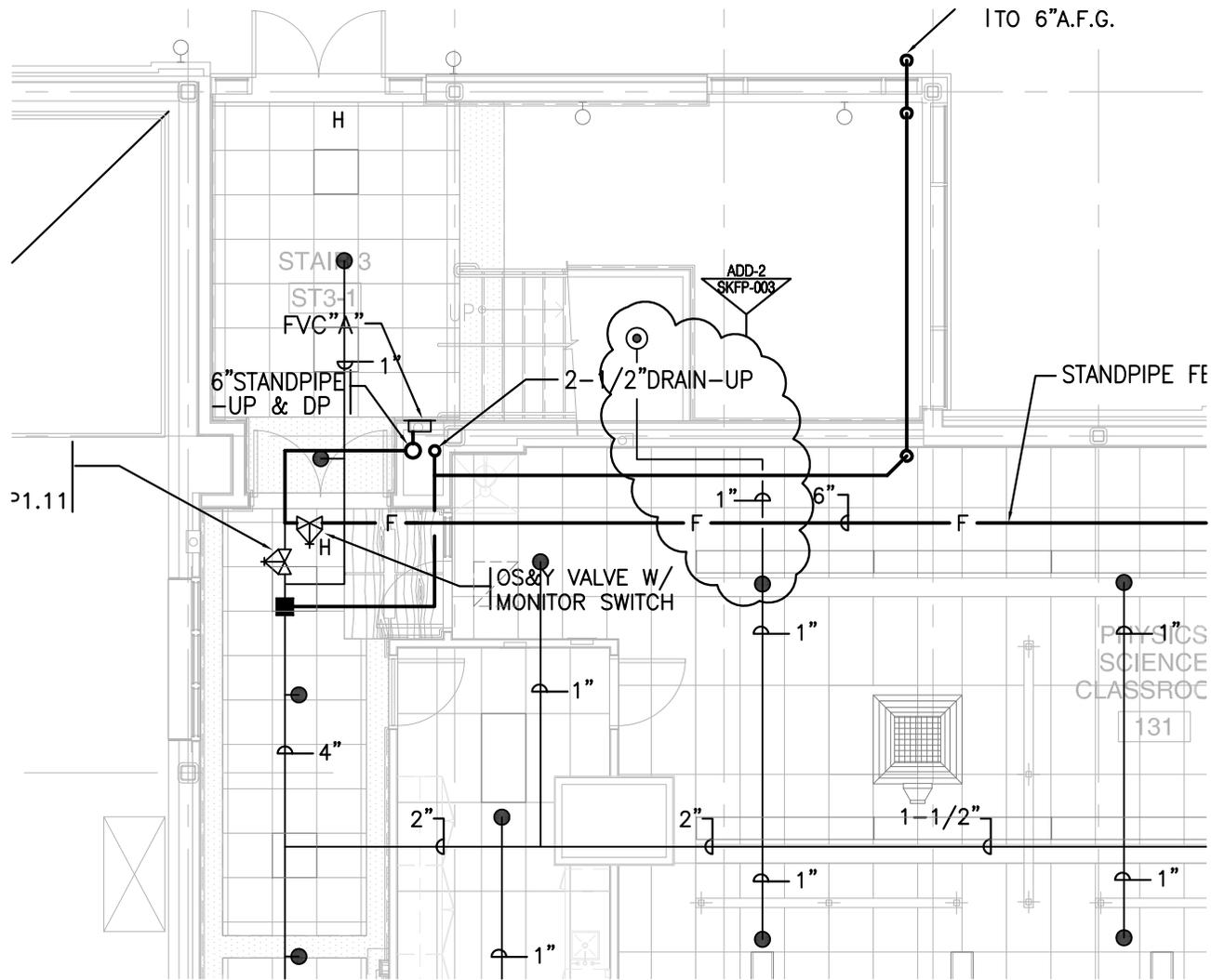


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**PLYMOUTH SOUTH HIGH SCHOOL**  
 Plymouth, MA

DRAWN BY:	JPT	<b>SKA-026</b> REF DWG: A8.32
SCALE:	1/4" = 1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	





ADDENDUM 2

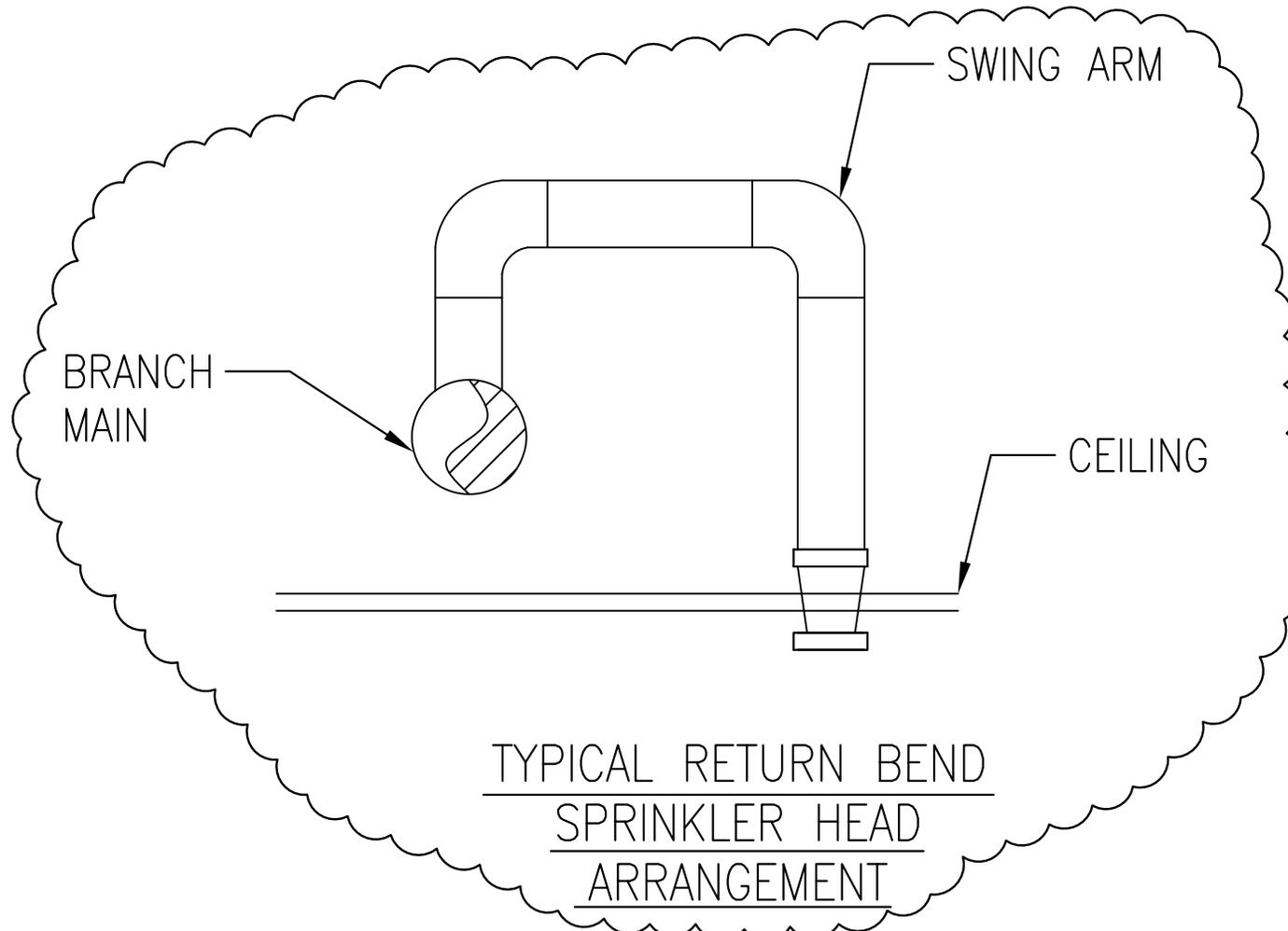


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 FAX. 508.358.0791

**PLYMOUTH SOUTH HIGH SCHOOL**  
 Plymouth, MA

DRAWN BY:	MG
SCALE:	1/8"=1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

<b>SKFP-003</b>
REF DWG: FP1.12



TYPICAL RETURN BEND  
 SPRINKLER HEAD  
 ARRANGEMENT

SKFP-004  
 ADD-2

ADDENDUM 2

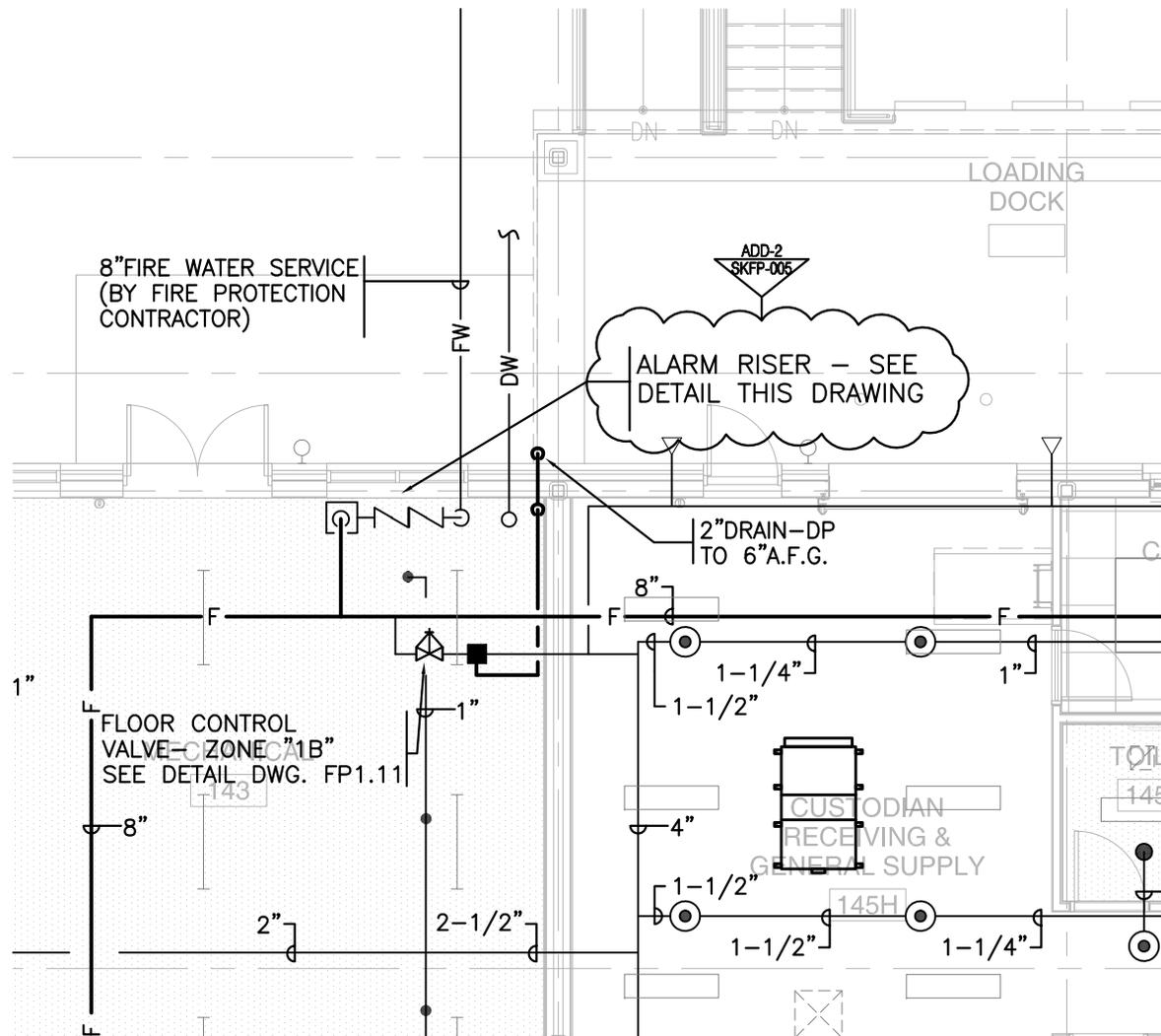


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**PLYMOUTH SOUTH HIGH SCHOOL**  
 Plymouth, MA

DRAWN BY:	MG
SCALE:	1/8"=1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

<b>SKFP-004</b>
REF DWG: FP1.13



ADDENDUM 2

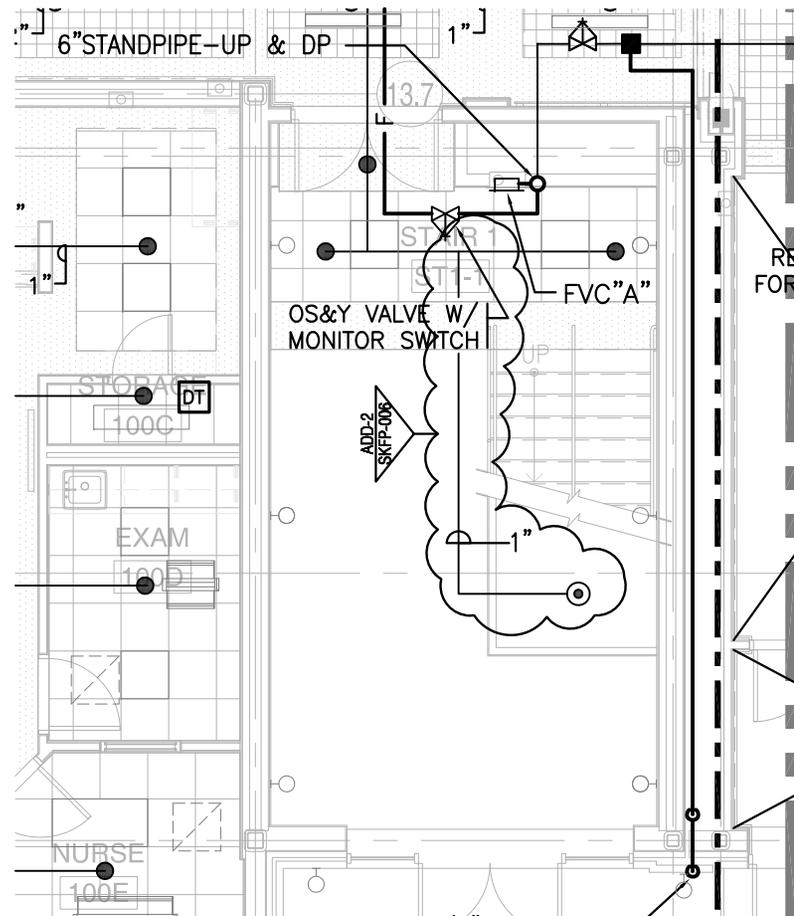
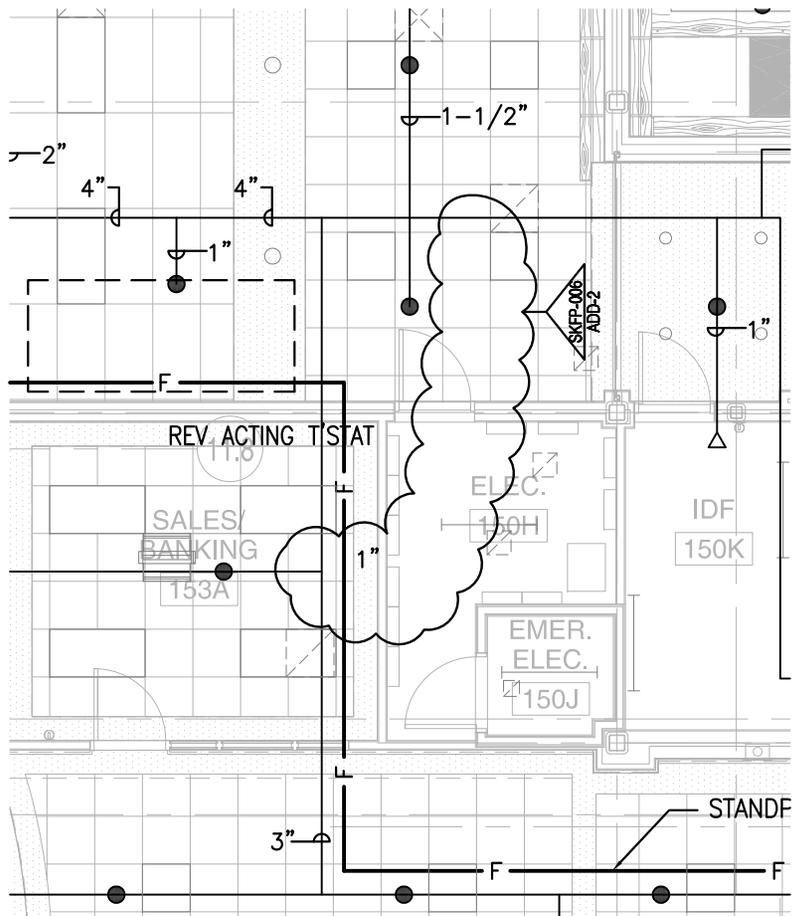


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	MG	<b>SKFP-005</b>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:	FP1.13	



ADDENDUM 2

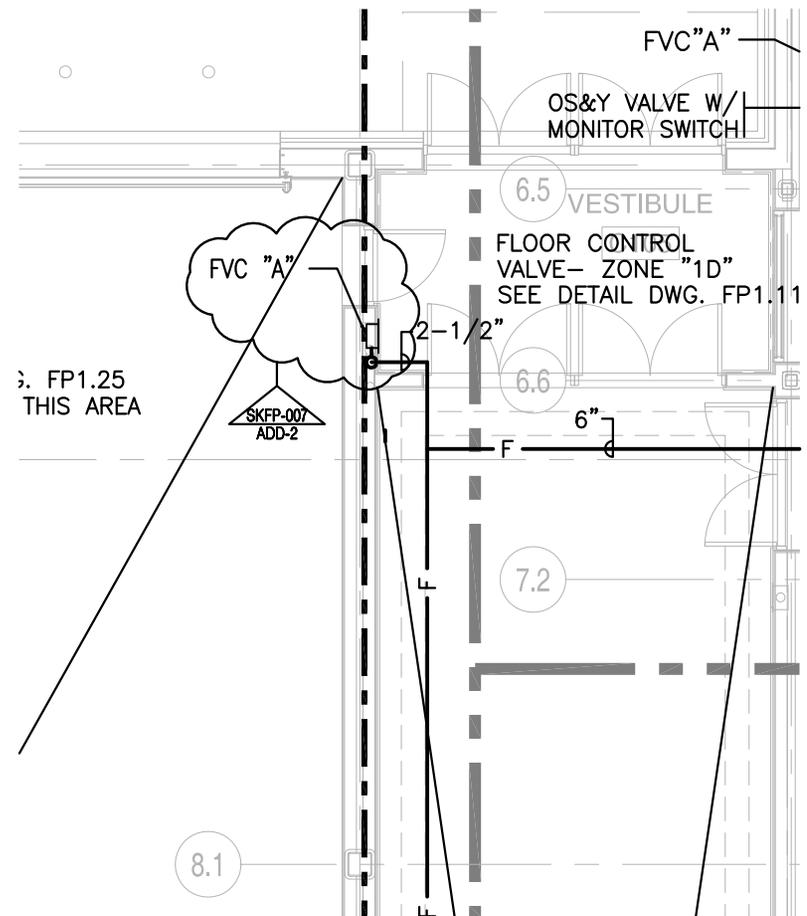
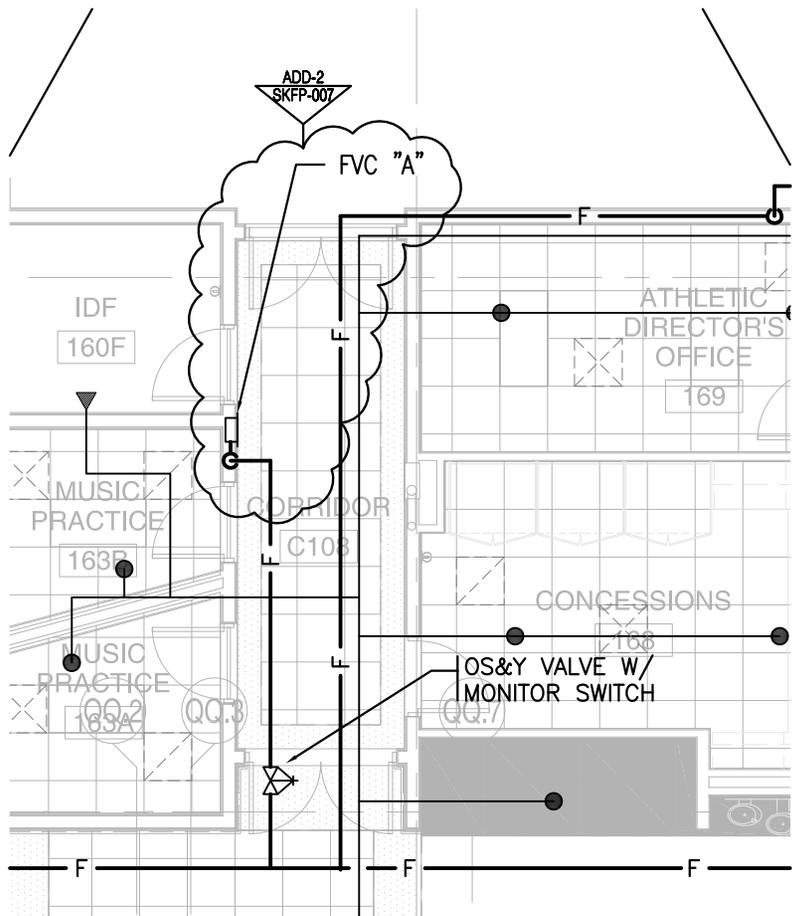


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	MG	SKFP-006
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:	FP1.14	



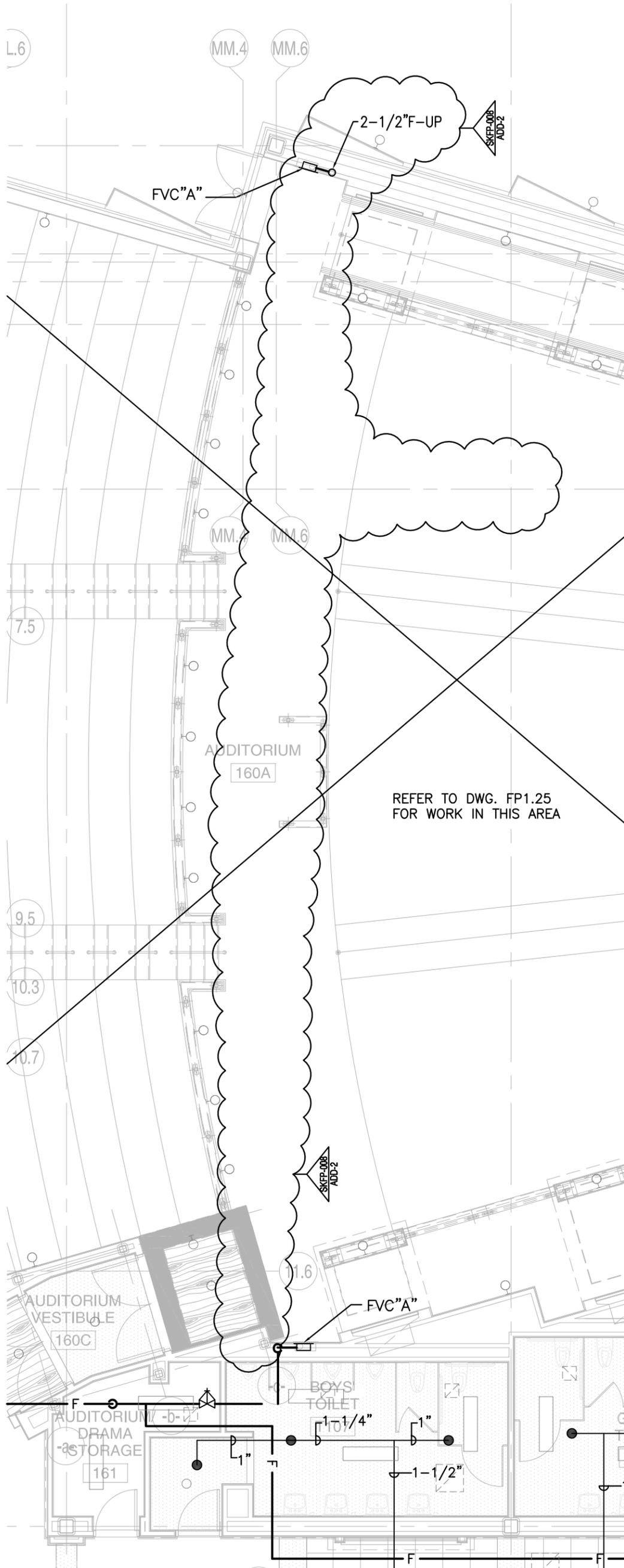
ADDENDUM 2



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**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

DRAWN BY:	MG	<b>SKFP-007</b>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:	FP1.15	



ADDENDUM 2

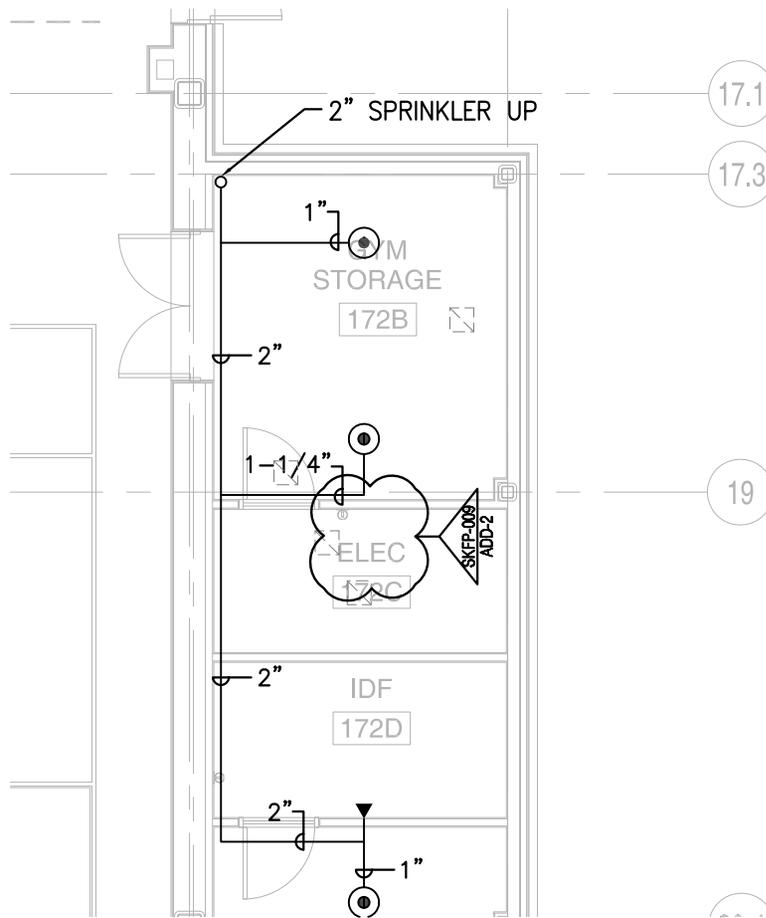


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**PLYMOUTH SOUTH HIGH SCHOOL**  
 Plymouth, MA

DRAWN BY:	BJH
SCALE:	None
JOB NO:	1308.00
DATE:	6/11/2015

<b>SKFP-008</b>
REF DWG: FP1.15



ADDENDUM 2

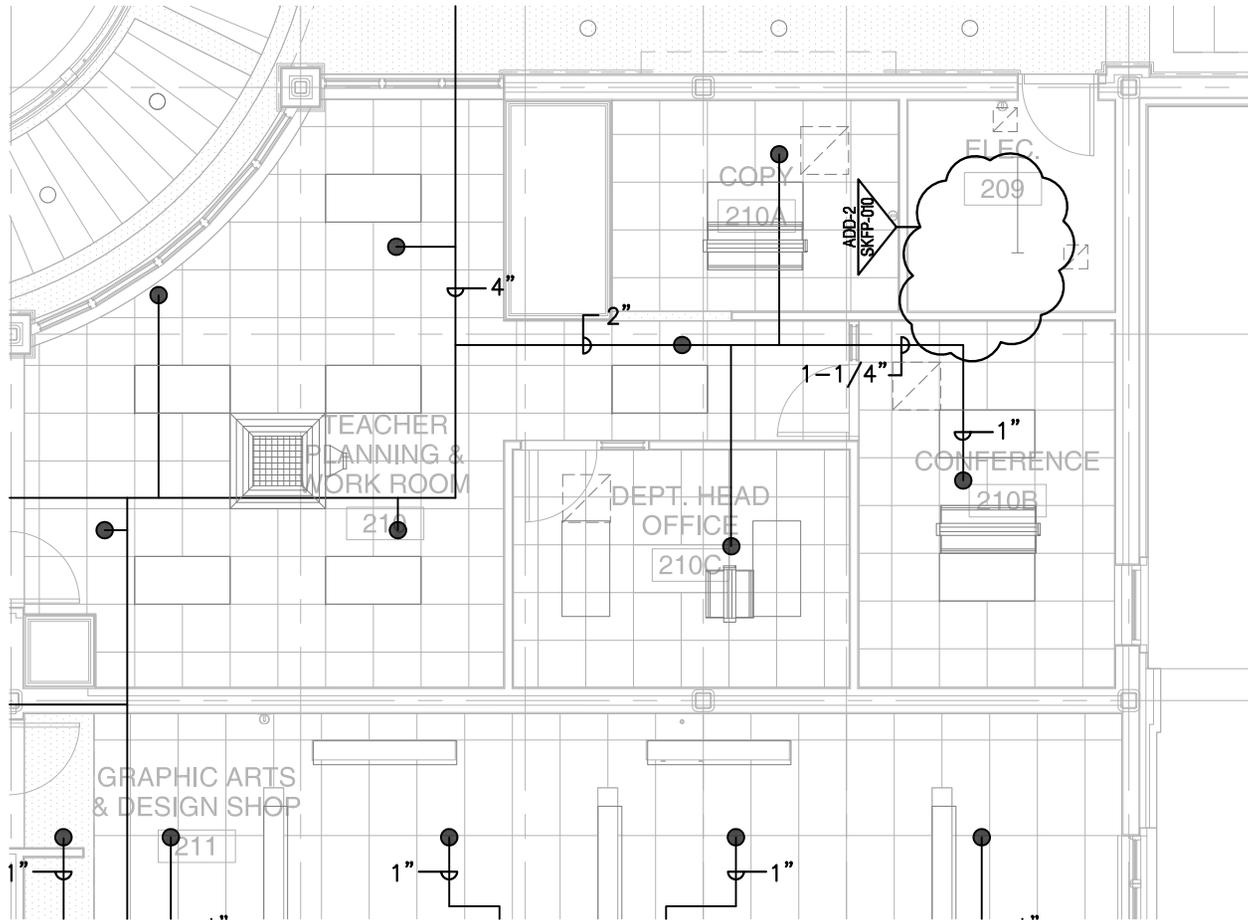


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	MG	<b>SKFP-009</b>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:	FP1.16	



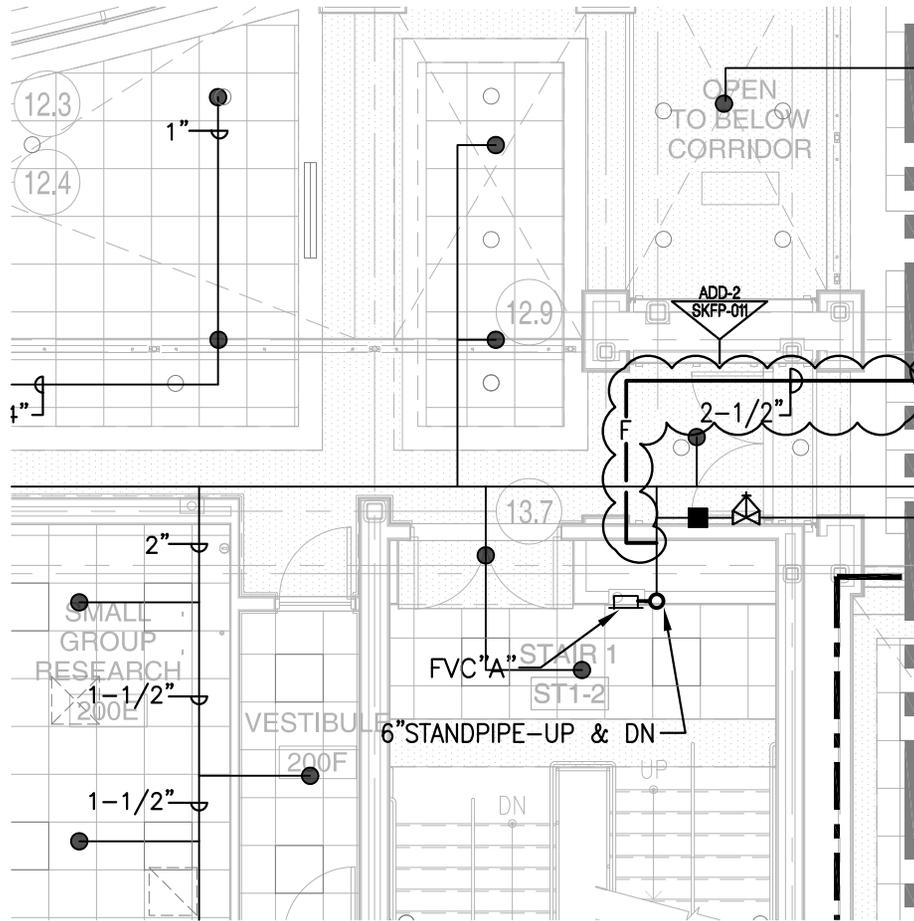
ADDENDUM 2



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**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

DRAWN BY:	MG	<b>SKFP-010</b>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:	FP1.21	



ADDENDUM 2

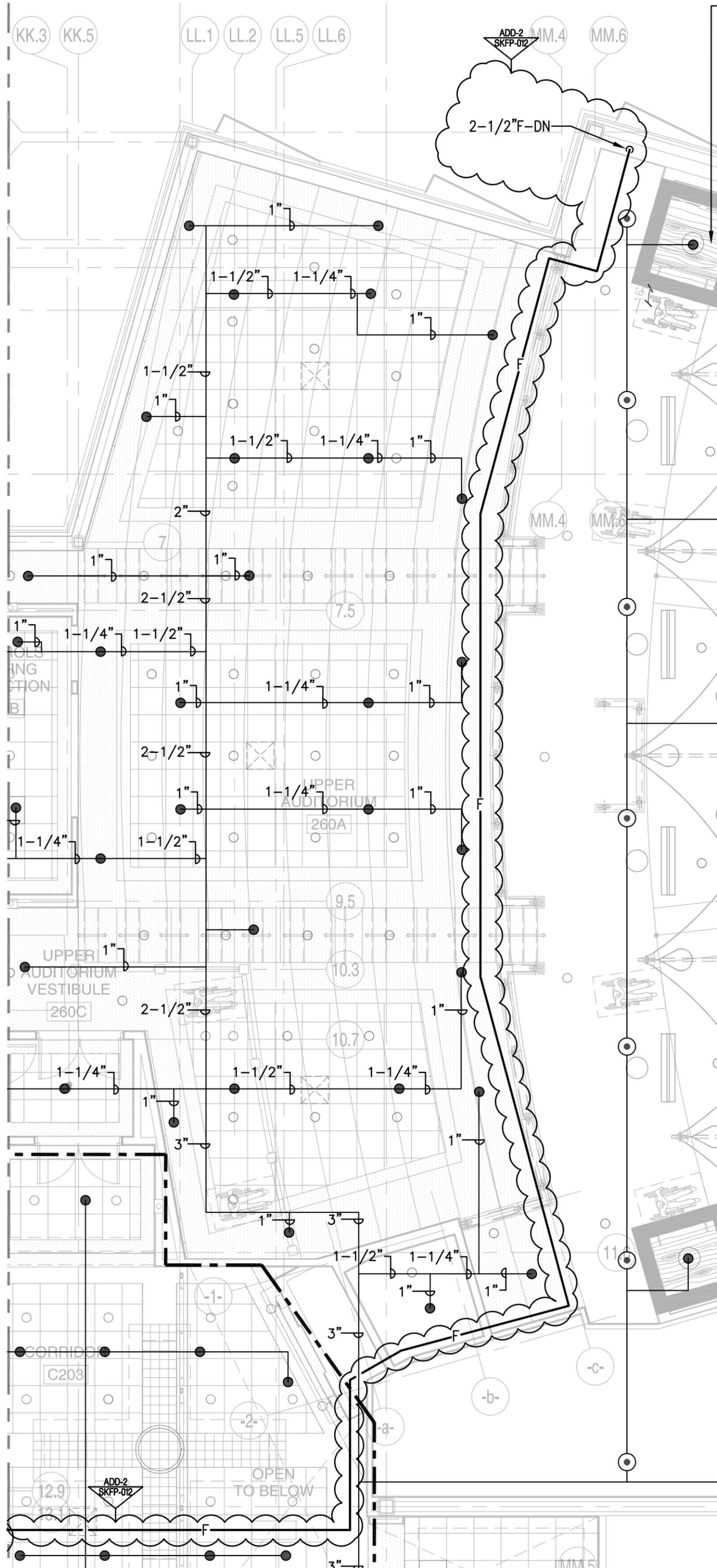


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	MG	<b>SKFP-011</b>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:		FP1.24



ADDENDUM 2



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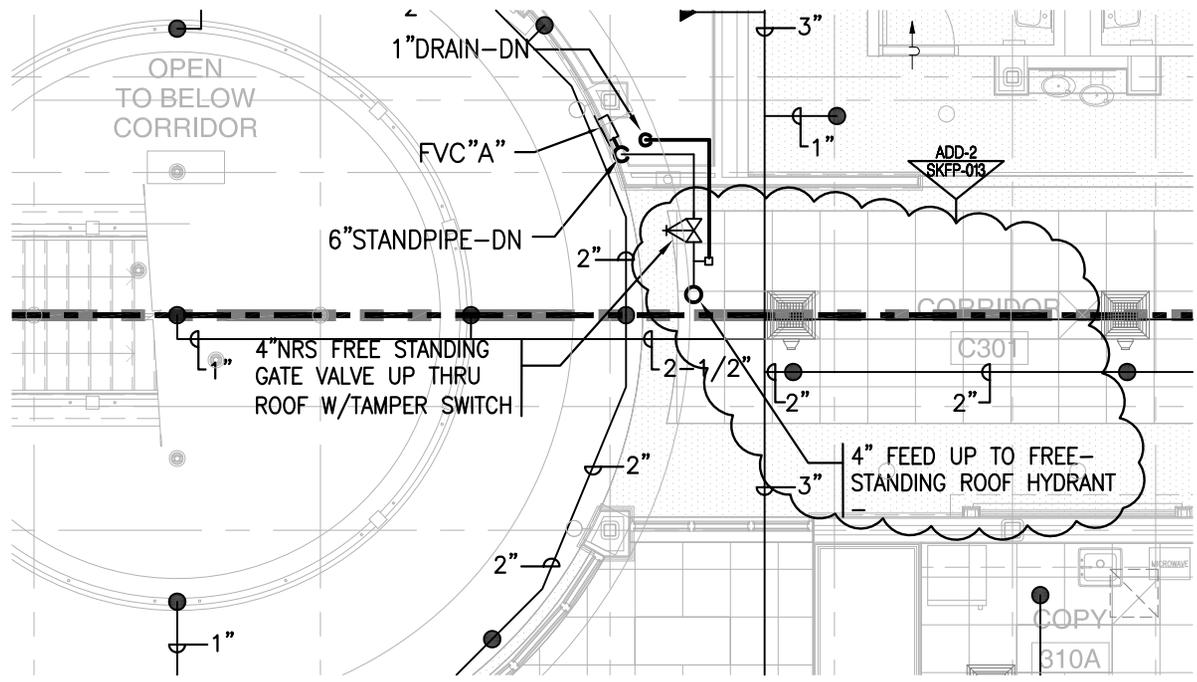
# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: MG  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

SKFP-012

REF DWG: FP1.25



ADDENDUM 2

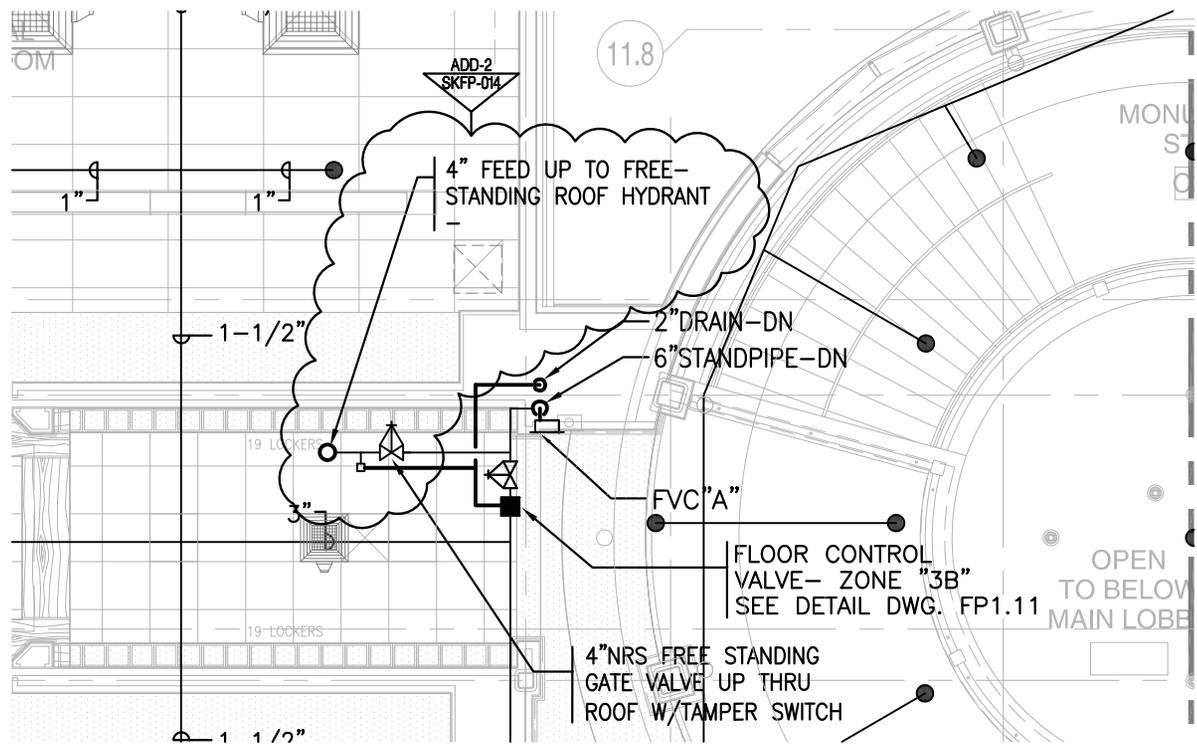


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	MG	<b>SKFP-013</b>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:	FP1.31	



ADDENDUM 2

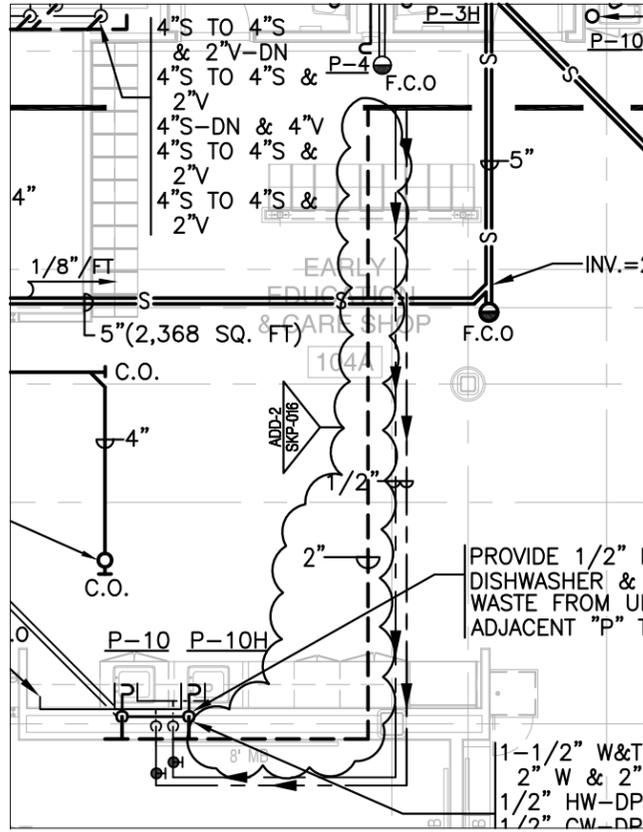
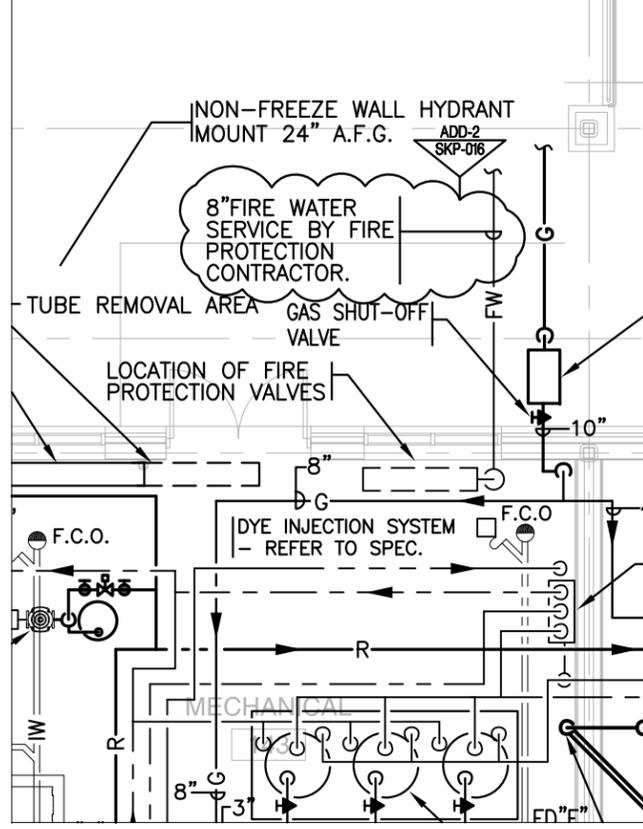
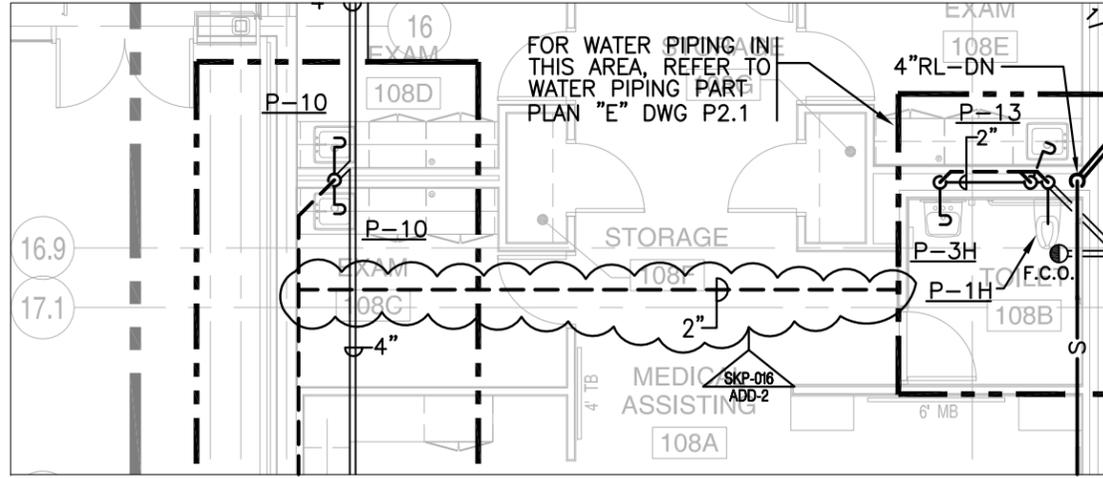
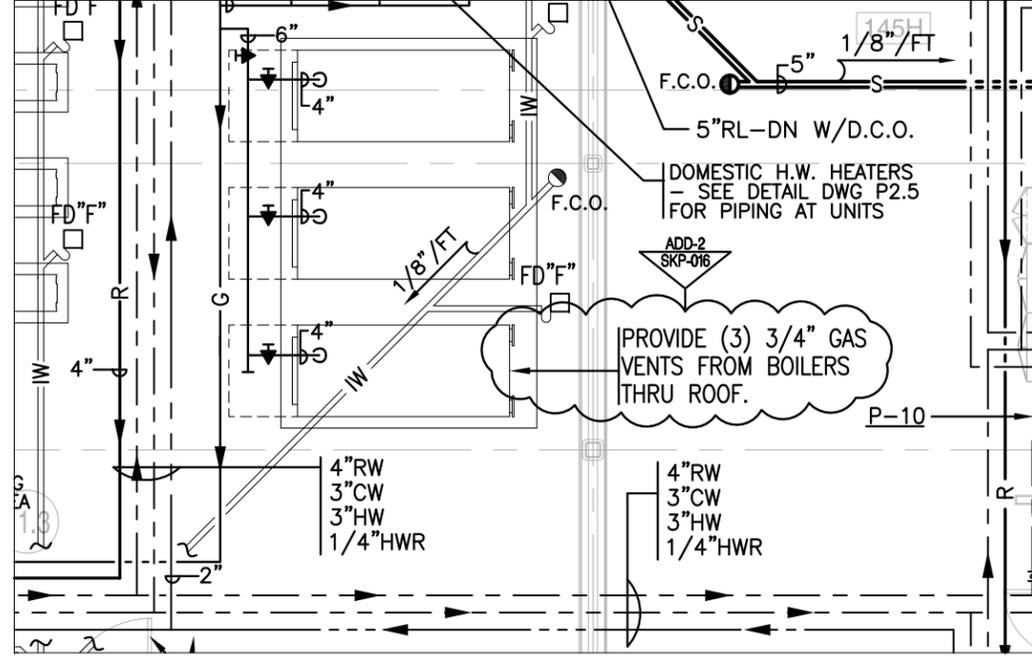


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**PLYMOUTH SOUTH HIGH SCHOOL**  
 Plymouth, MA

DRAWN BY:	MG
SCALE:	1/8"=1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

<b>SKFP-014</b>
REF DWG: FP1.33



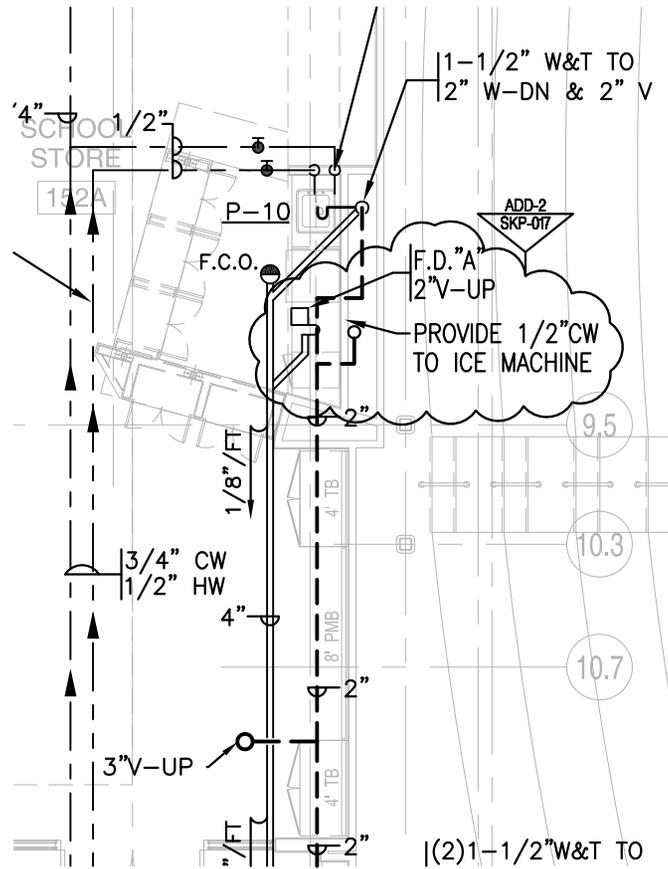
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SCALE:	1/8"=1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

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SKP-016  
REF DWG: P1.13



ADDENDUM 2

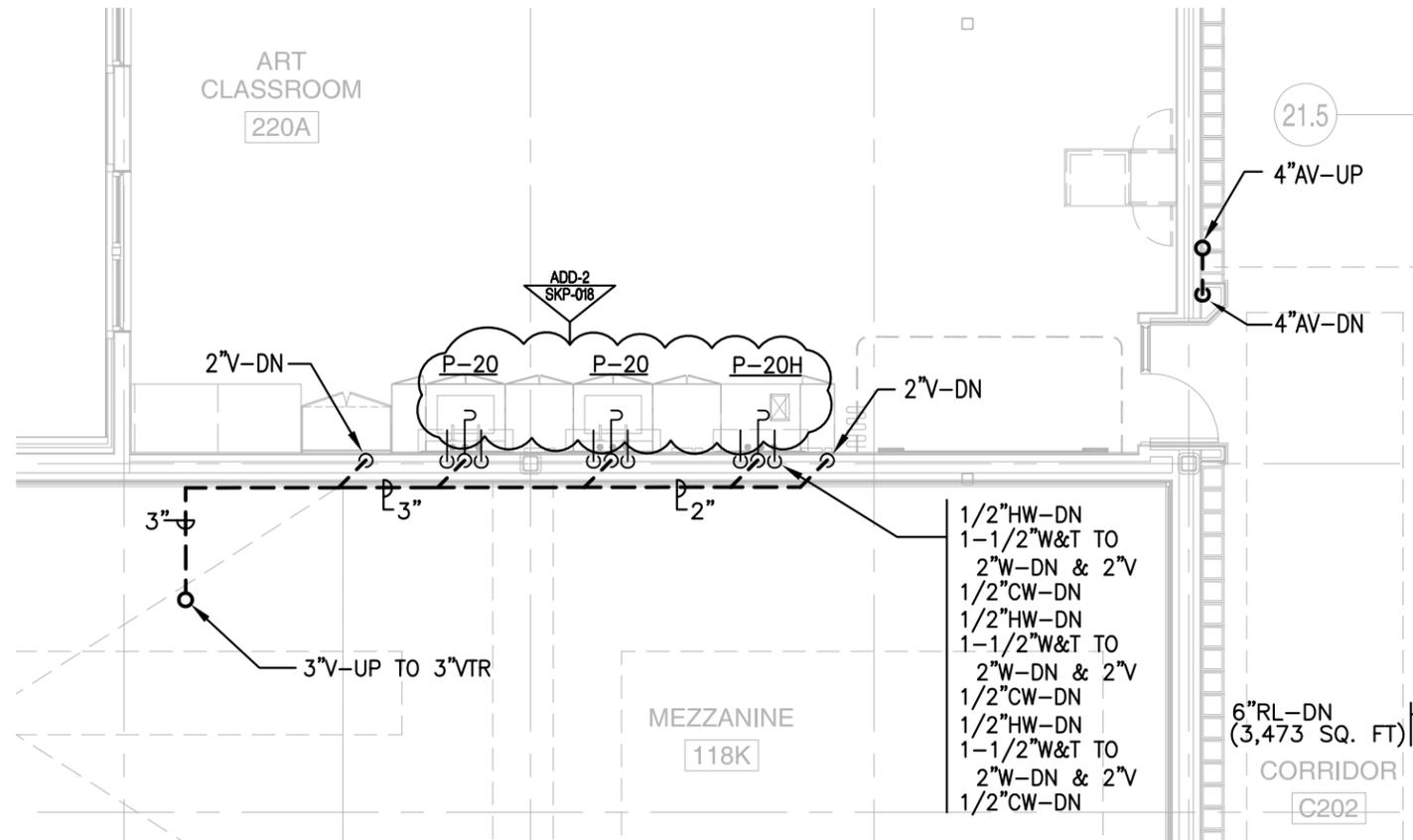
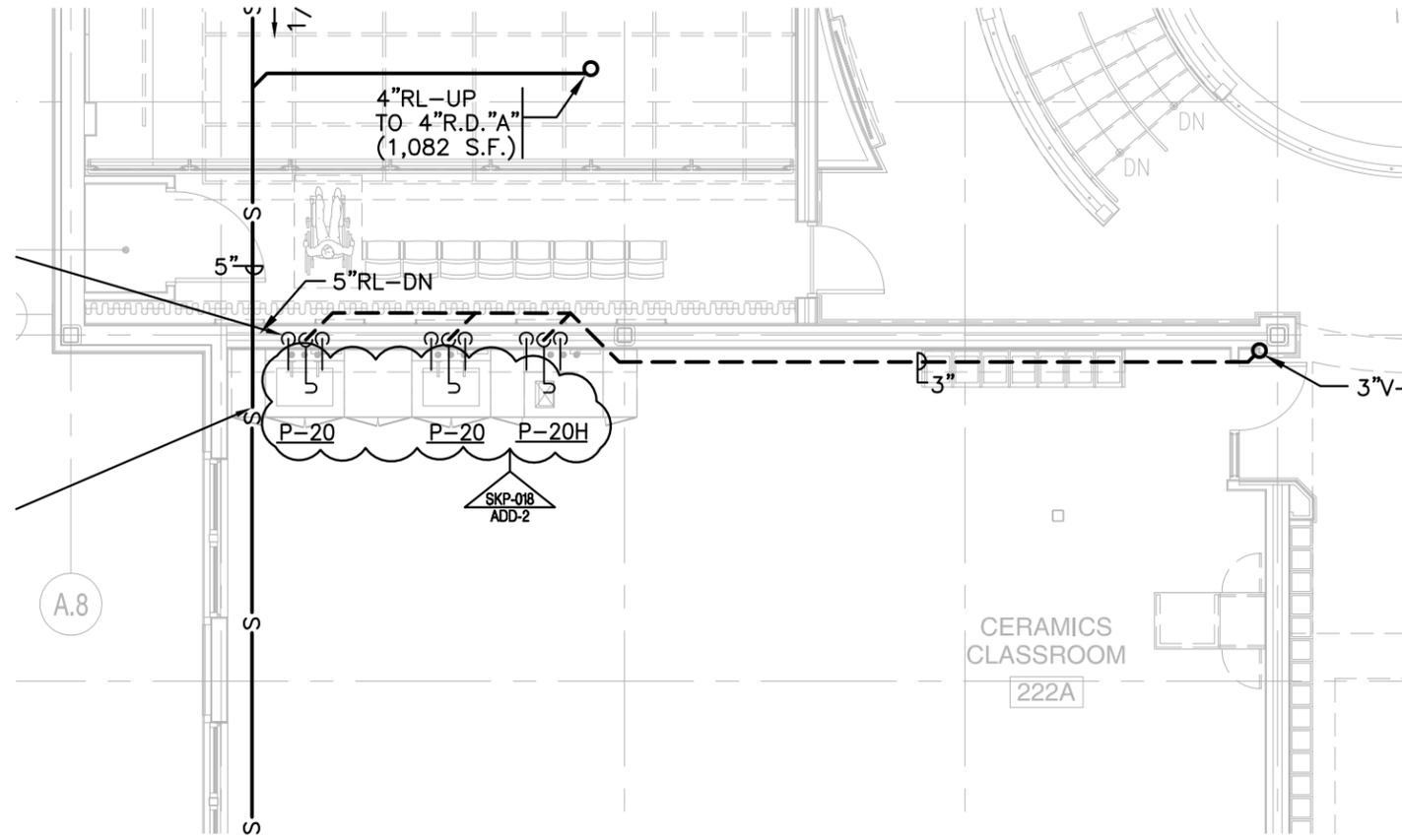


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	MG	SKP-017
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:		P1.15

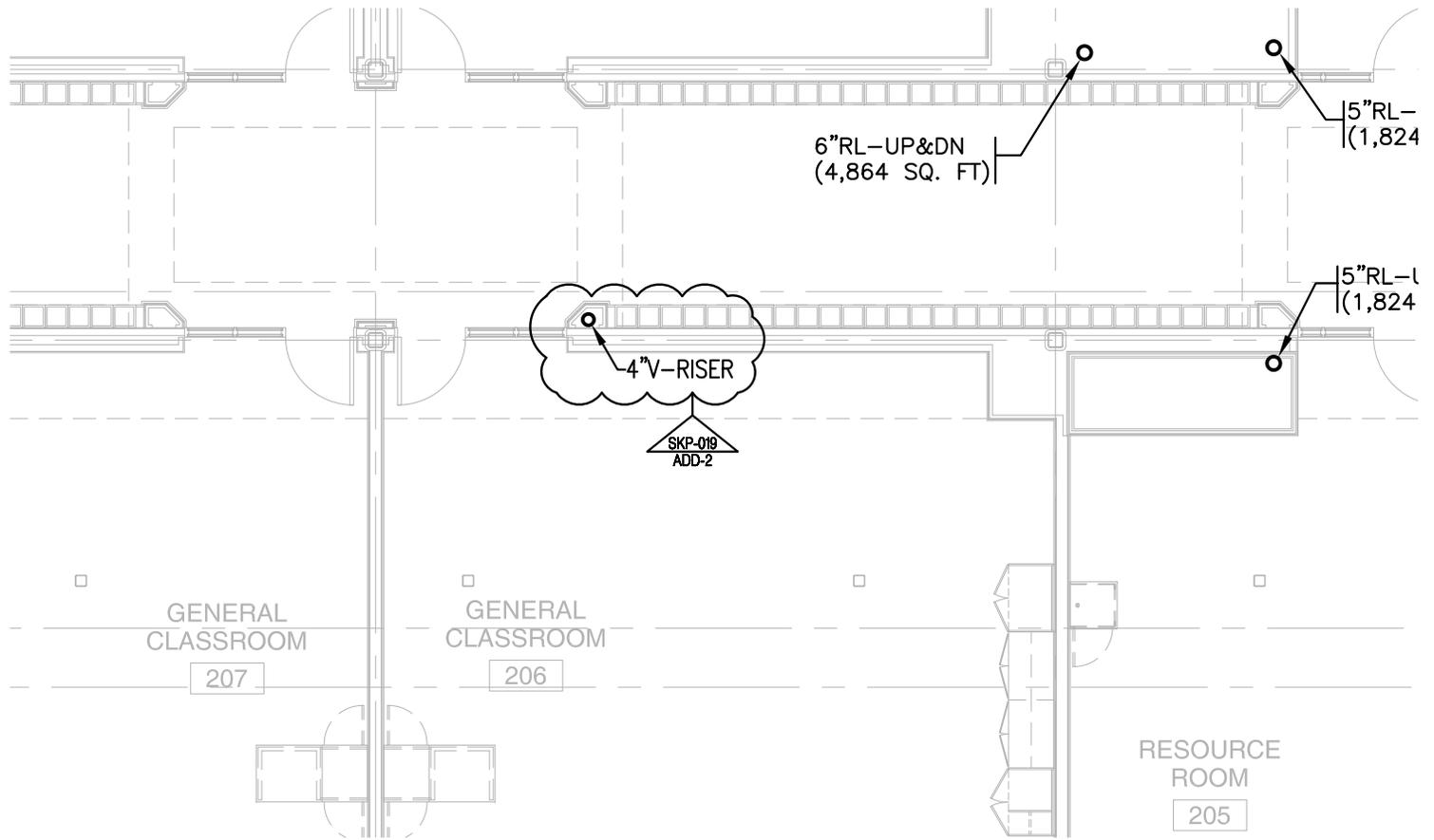


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SCALE:	1/8"=1'-0"
JOB NO:	1308.00
DATE:	6/11/2015
REF DWG:	P1.21

**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

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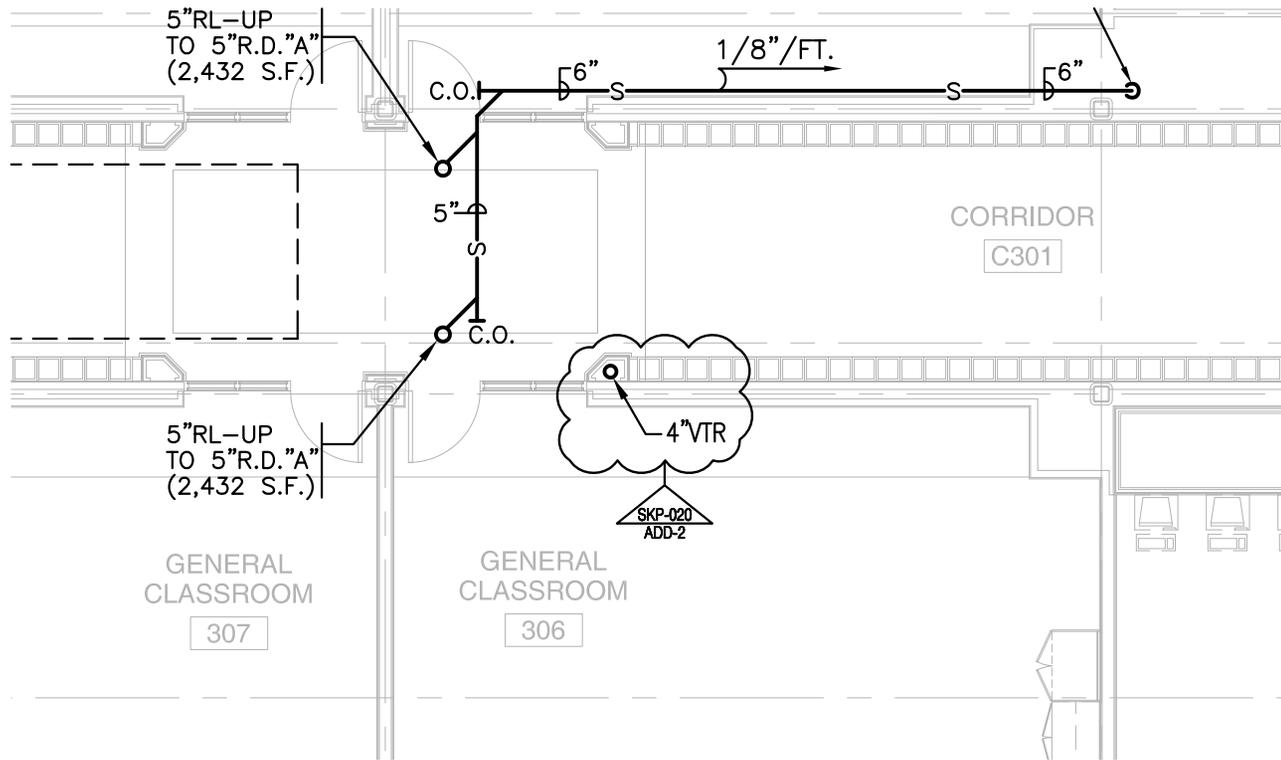
ADDENDUM 2



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**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

DRAWN BY:	MG	<b>SKP-019</b> REF DWG: P1.23
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	



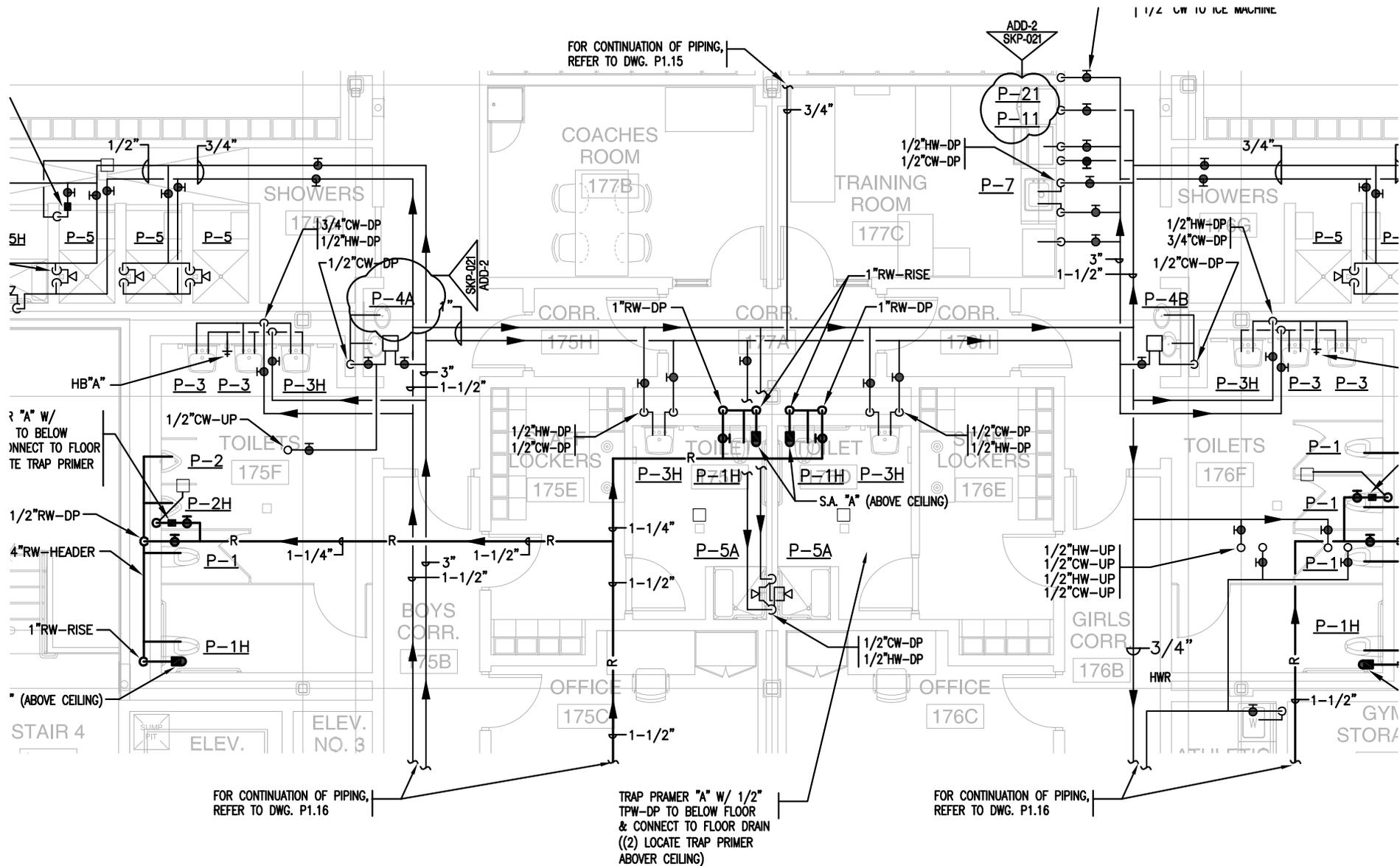
ADDENDUM 2



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**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

DRAWN BY:	MG	<b>SKP-020</b>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:		P1.33



# TOILET AREA "Q"

## WATER PIPING PART PLAN

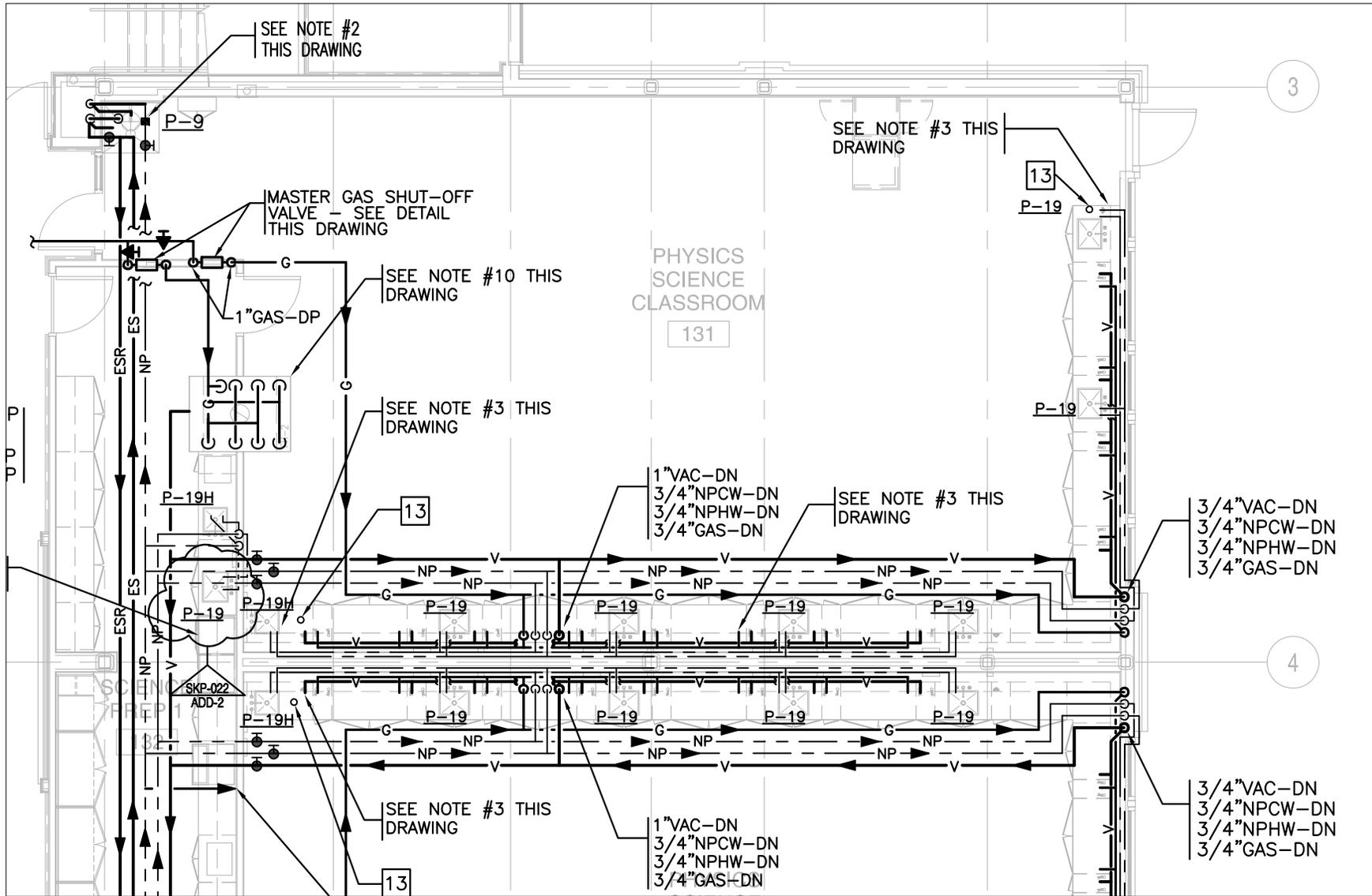
ADDENDUM 2



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**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

DRAWN BY:	MG	SKP-021
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:	P2.1	



ADDENDUM 2

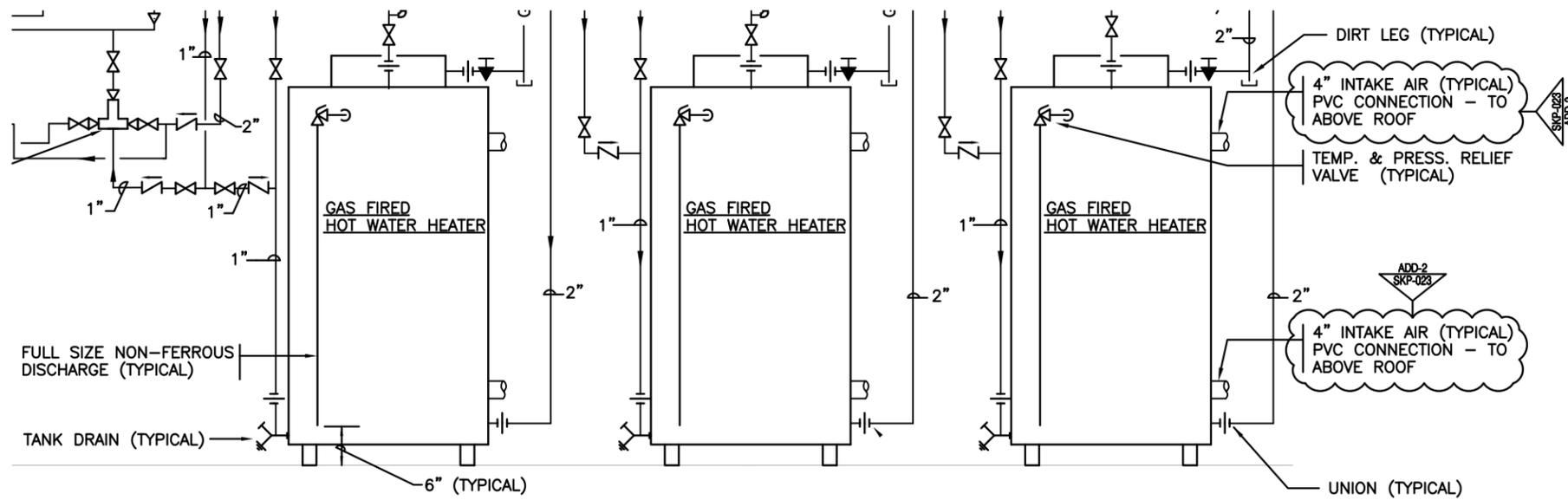


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# PLYMOUTH SOUTH HIGH SCHOOL

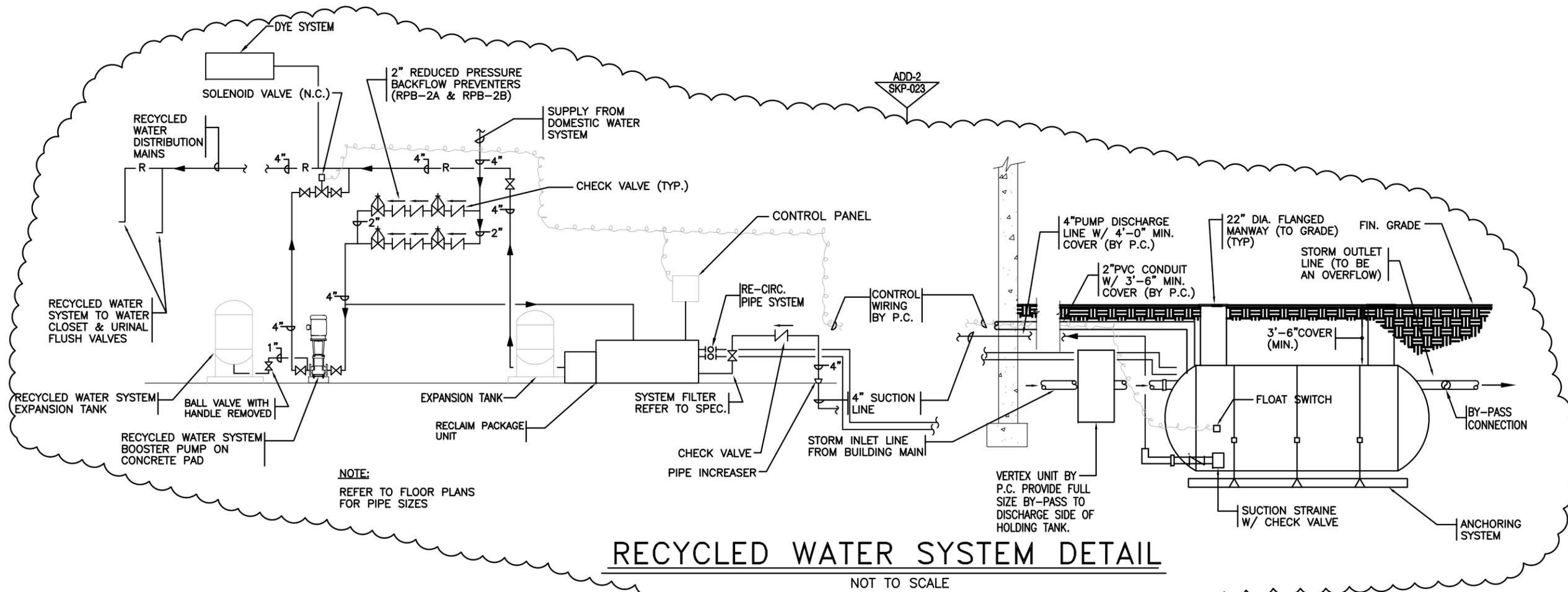
## Plymouth, MA

DRAWN BY:	MG	SKP-022
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:	P2.4	



### HOT WATER HEATER DETAIL

NOT TO SCALE



### RECYCLED WATER SYSTEM DETAIL

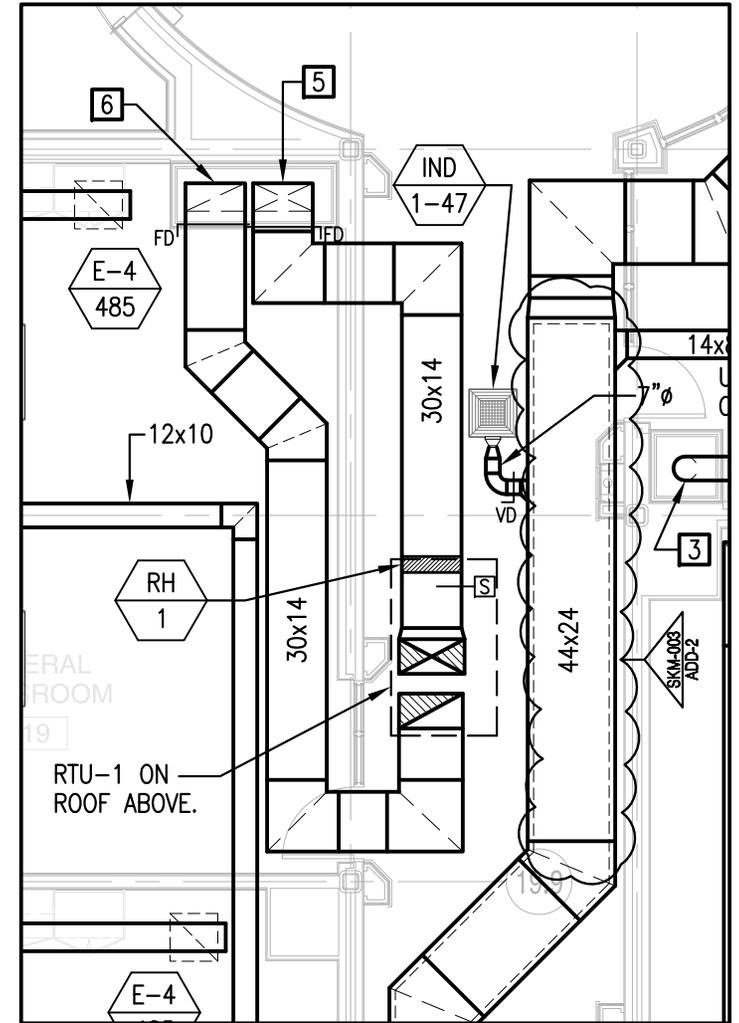
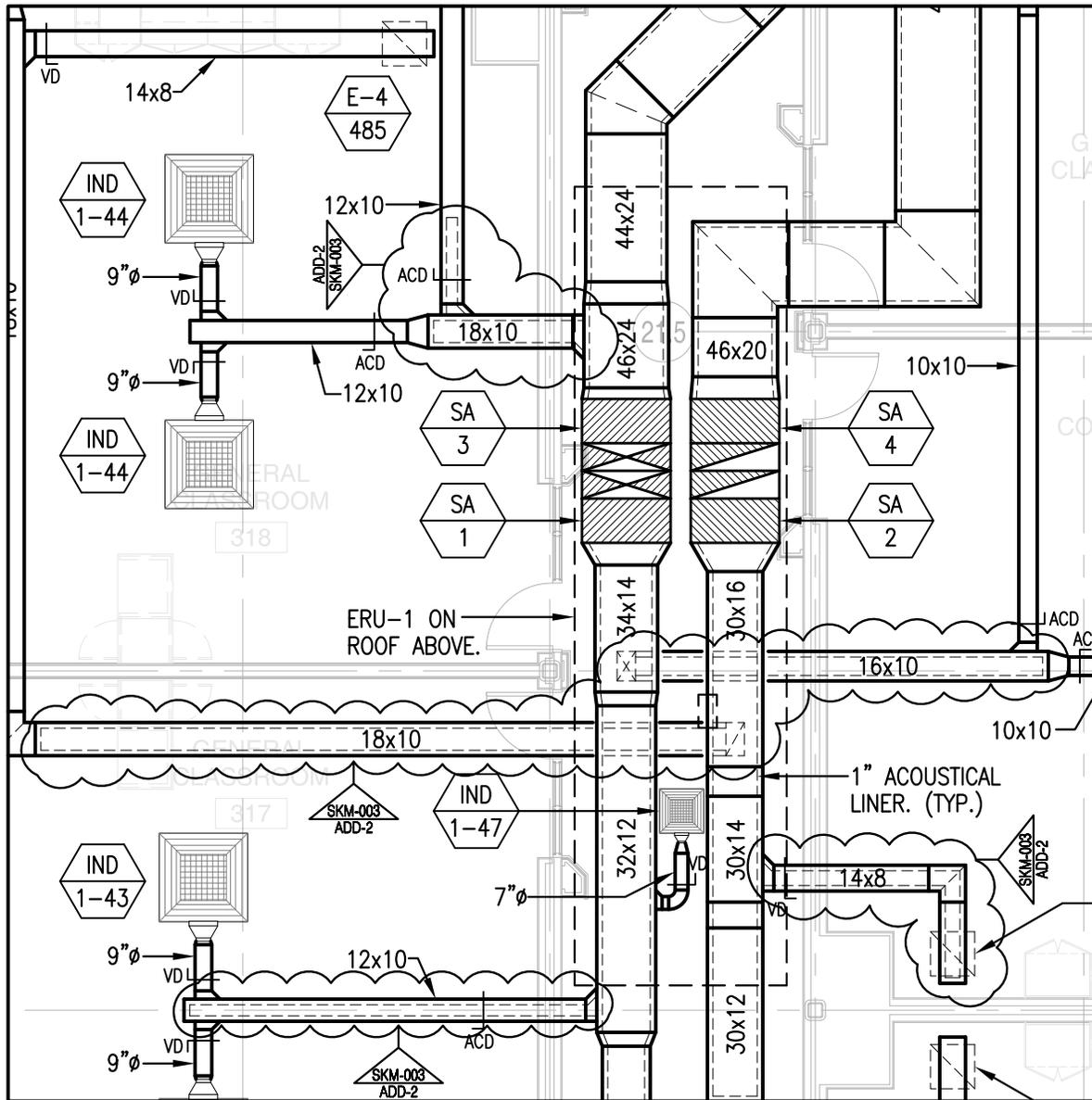
NOT TO SCALE

DRAWN BY:	MG
SCALE:	None
JOB NO.:	1308.00
DATE:	6/11/2015
REF. DWG.:	SKP-023
	P.2.5

PLYMOUTH SOUTH HIGH SCHOOL  
Plymouth, MA

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ADDENDUM 2



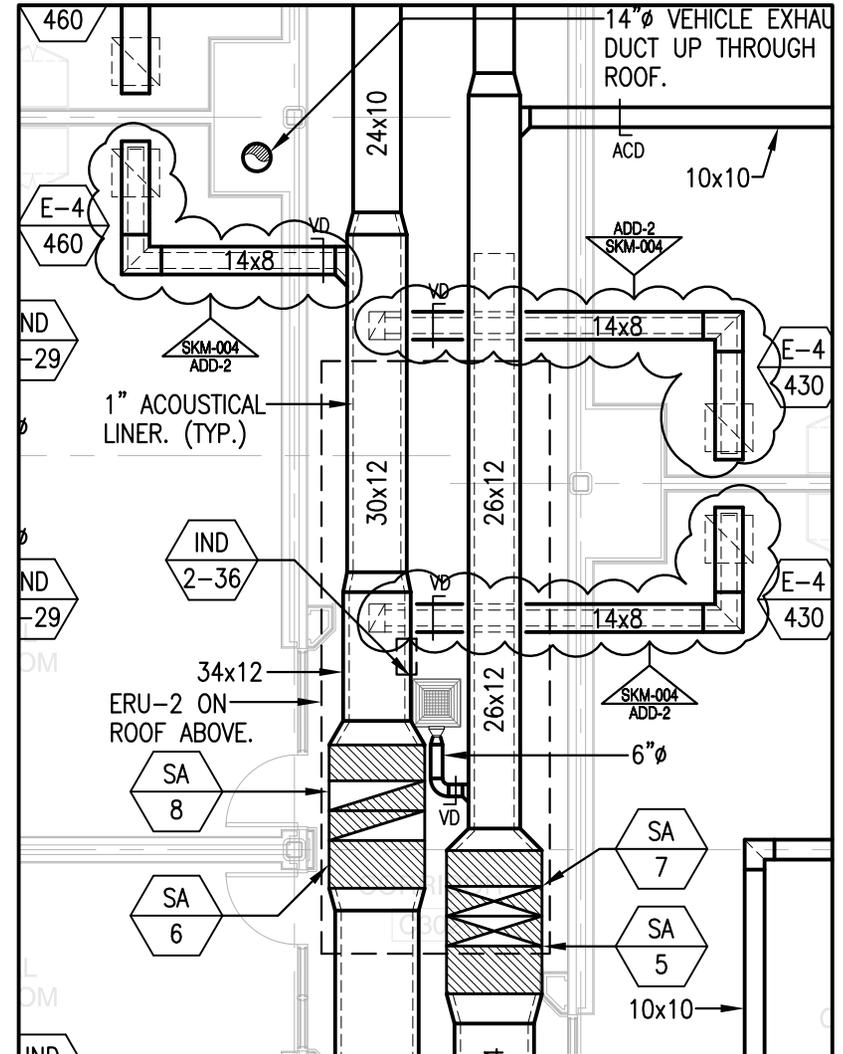
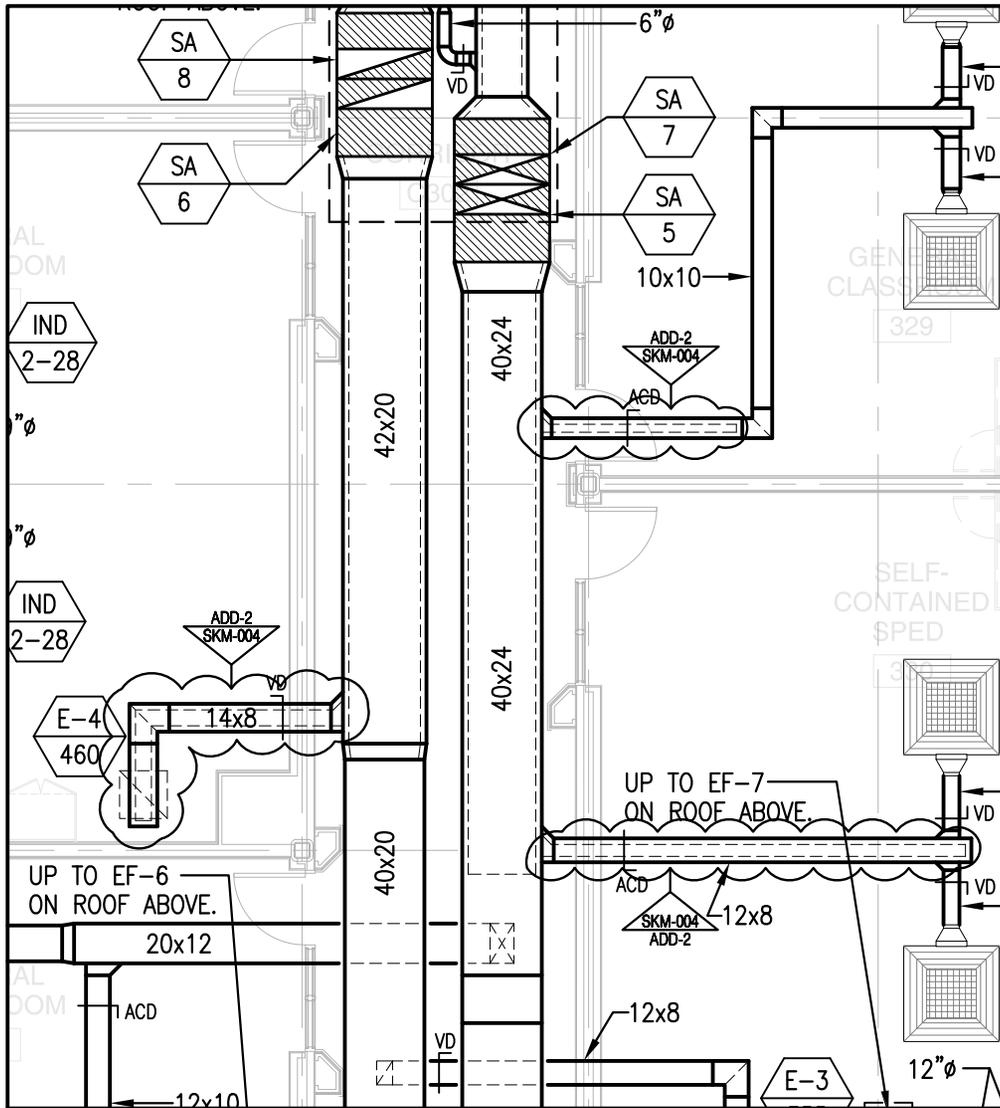
526 Boston Post Road  
Wayland, MA 01778  
TEL. 508.358.0790  
FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	JAJ
SCALE:	1/8"=1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

SKM-003	REF DWG:	M1.31
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ADDENDUM 2



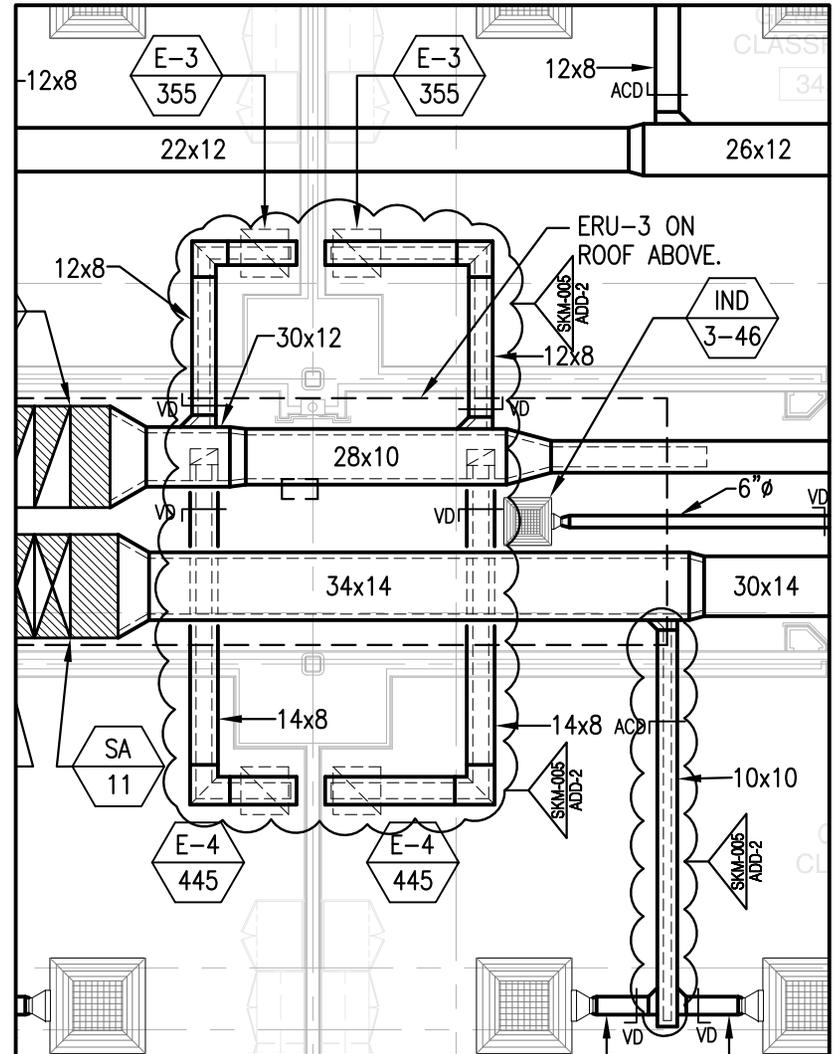
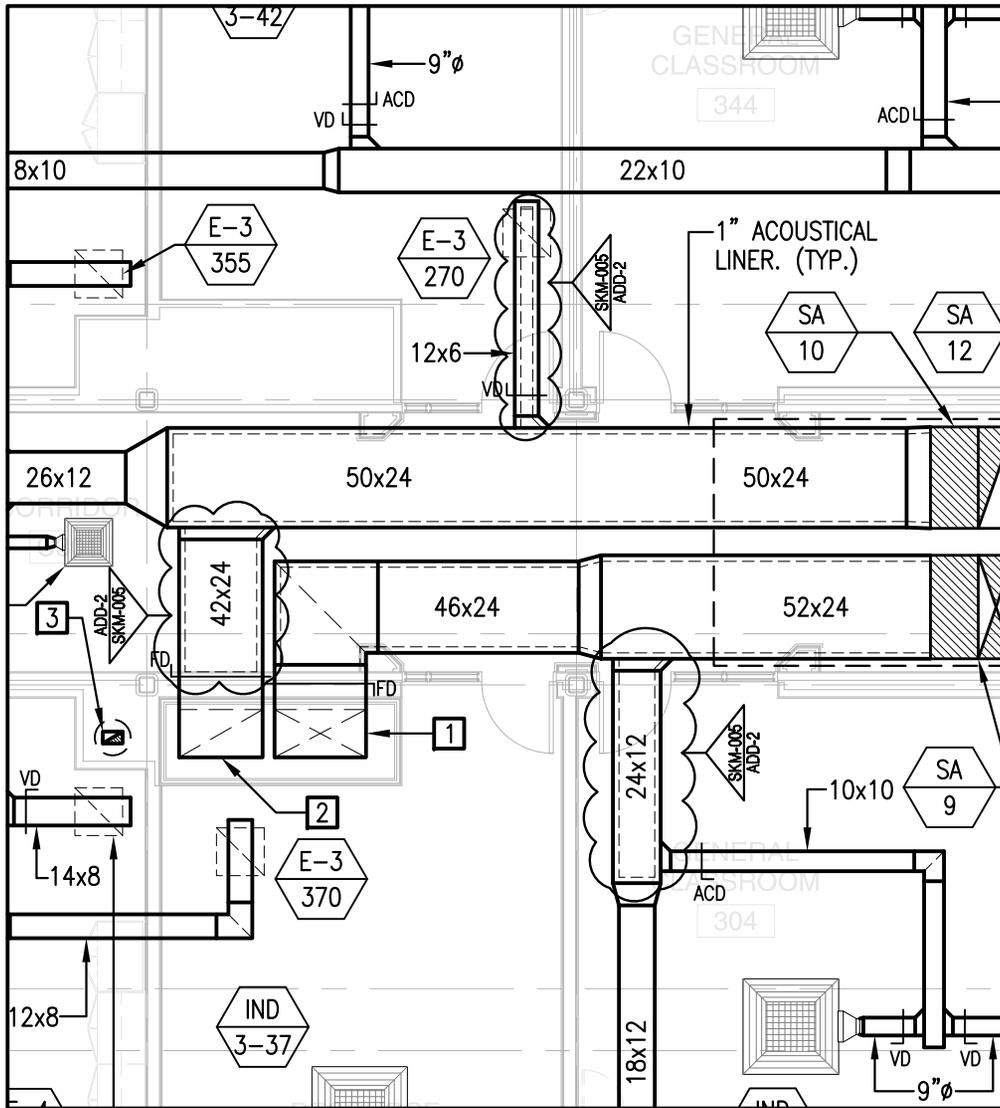
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FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: JAJ  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

SKM-004  
REF DWG: M1.32



ADDENDUM 2



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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: JAJ  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

SKM-005  
REF DWG: M1.33

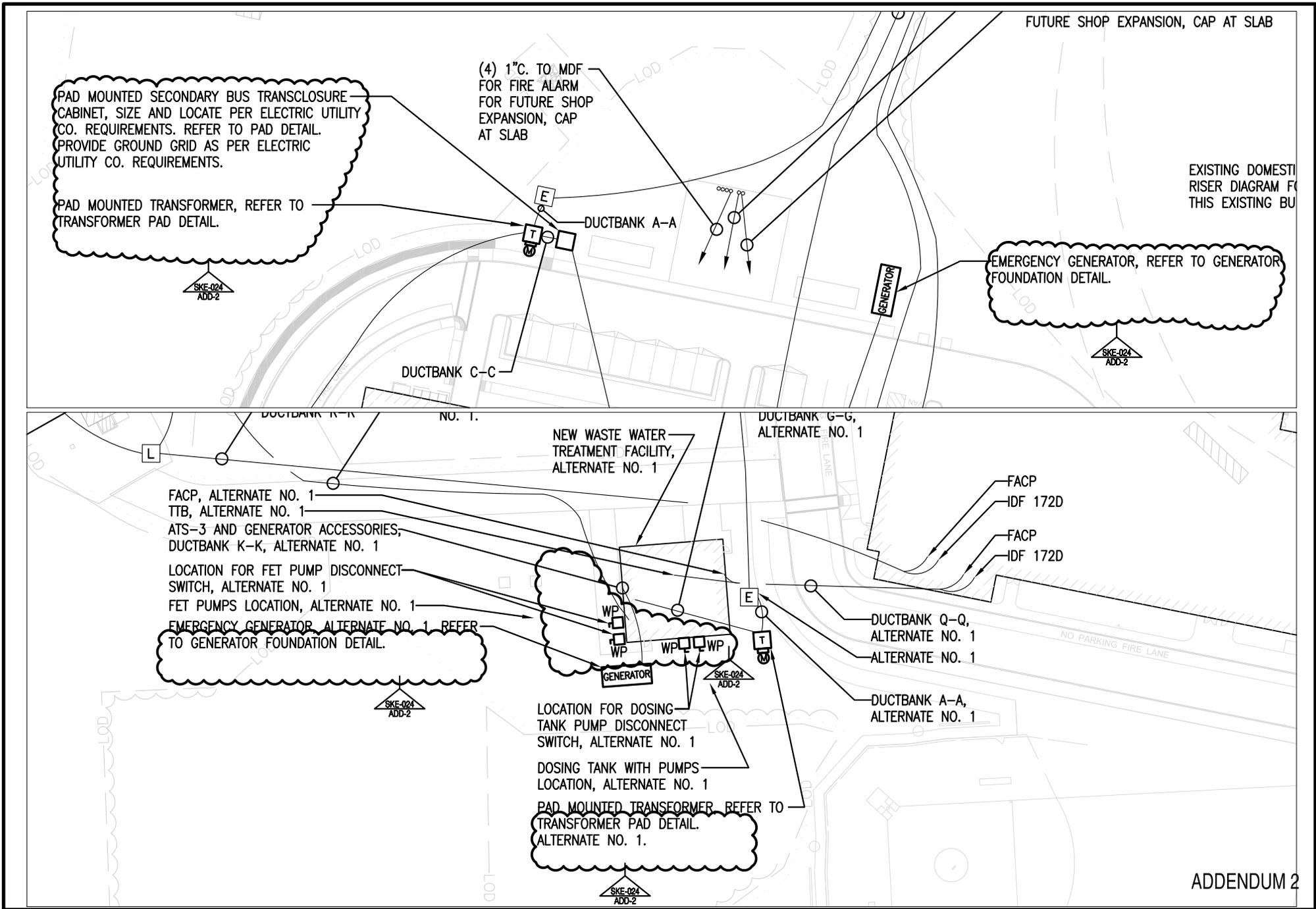


### RETURN/EXHAUST FAN SCHEDULE

ITEM	MFG'R. ⑦	MODEL	DRIVE	SERVICE	INTERLOCK	CFM	SP IN. WC.	HP	FAN RPM	ELECTRICAL DATA			SONES	REMARKS
										V	PH	HZ		
EF-1	GREENHECK	G-103HP-VG	DIRECT	GENERAL	BMS	300	1.0"	1/4	1683	115	1	60	9.6	④
EF-2	GREENHECK	VEKTOR-H-12-7	BELT	FUME HOOD	LOCAL SWITCH	1100	2.5"	3	3056	460	3	60	N/A	PROVIDE W/BELT GUARD, DISCONN. SWITCH & ROOF CURB ⑥
EF-3	GREENHECK	G-098-VG	DIRECT	KILN ROOM	REV. ACTING T-STAT	400	0.75"	1/4	1445	115	1	60	8.1	④
EF-4	GREENHECK	VEKTOR-H-12-7	BELT	FUME HOOD	LOCAL SWITCH	1100	2.5"	3	3056	460	3	60	N/A	PROVIDE W/BELT GUARD, DISCONN. SWITCH & ROOF CURB ⑥
EF-5	GREENHECK	GB-161-15	BELT	TOILETS	BMS	3400	1.25"	1-1/2	1548	208	1	60	21	③
EF-6	GREENHECK	VEKTOR-H-9-5	BELT	FUME HOOD	LOCAL SWITCH	550	2.5"	2	3428	460	3	60	N/A	PROVIDE W/BELT GUARD, DISCONN. SWITCH & ROOF CURB ⑥
EF-7	GREENHECK	VEKTOR-H-12-7	BELT	FUME HOOD	LOCAL SWITCH	1100	2.5"	3	3056	460	3	60	N/A	PROVIDE W/BELT GUARD, DISCONN. SWITCH & ROOF CURB ⑥
EF-8	GREENHECK	VEKTOR-H-12-7	BELT	FUME HOOD	LOCAL SWITCH	1100	2.5"	3	3056	460	3	60	N/A	PROVIDE W/BELT GUARD, DISCONN. SWITCH & ROOF CURB ⑥
EF-9	GREENHECK	GB-101HP-7	BELT	GENERAL	BMS	800	1.0"	3/4	2322	460	3	60	14.6	③
EF-10	GREENHECK	VEKTOR-H-12-7	BELT	FUME HOOD	LOCAL SWITCH	1100	2.5"	3	3056	460	3	60	N/A	PROVIDE W/BELT GUARD, DISCONN. SWITCH & ROOF CURB ⑥
EF-11	GREENHECK	G-097-VG	DIRECT	TOILETS	BMS	200	1.0"	1/4	1716	115	1	60	9.4	④
EF-12	GREENHECK	G-098-VG	DIRECT	TRASH/RECYCLING	BMS	350	0.75"	1/4	1401	115	1	60	7.7	④

SKM-006  
ADD-2

- ① FAN TO BE FURNISHED WITH GREASE TRAP, VENTED CURB EXTENSION & HINGING KIT TO MEET NFPA96. FAN SHALL HAVE U.L. 762 LISTING.
- ② FAN TO BE FURNISHED WITH INVERTER RATED MOTOR AND DISCONNECT SWITCH (FACTORY MOUNTED AND WIRED).
- ③ PROVIDE WITH ROOF CURB, BIRDSCREEN, MOTORIZED DAMPER & DISCONNECT SWITCH (FACTORY MOUNTED AND WIRED).
- ④ PROVIDE WITH ROOF CURB, BIRDSCREEN, MOTORIZED DAMPER, EC MOTOR, FACTORY MOUNTED AND WIRED POTENTIOMETER, AND FACTORY MOUNTED AND WIRED DISCONNECT SWITCH.
- ⑤ FAN SHALL BE FURNISHED WITH FLUSH EXTERIOR WALL HOUSING W/OSHA GUARD AND MOTORIZED DAMPER.
- ⑥ PROVIDE WITH VIBRATION ISOLATION CURB MODEL CMAB BY MASON IND. (OR APPROVED EQUAL), BIRDSCREEN, MOTORIZED DAMPER & DISCONNECT SWITCH (FACTORY MOUNTED AND WIRED).
- ⑦ ACCEPTABLE ALT. MANUFACTURERS: ACME, COOK OR APPROVED EQUAL.



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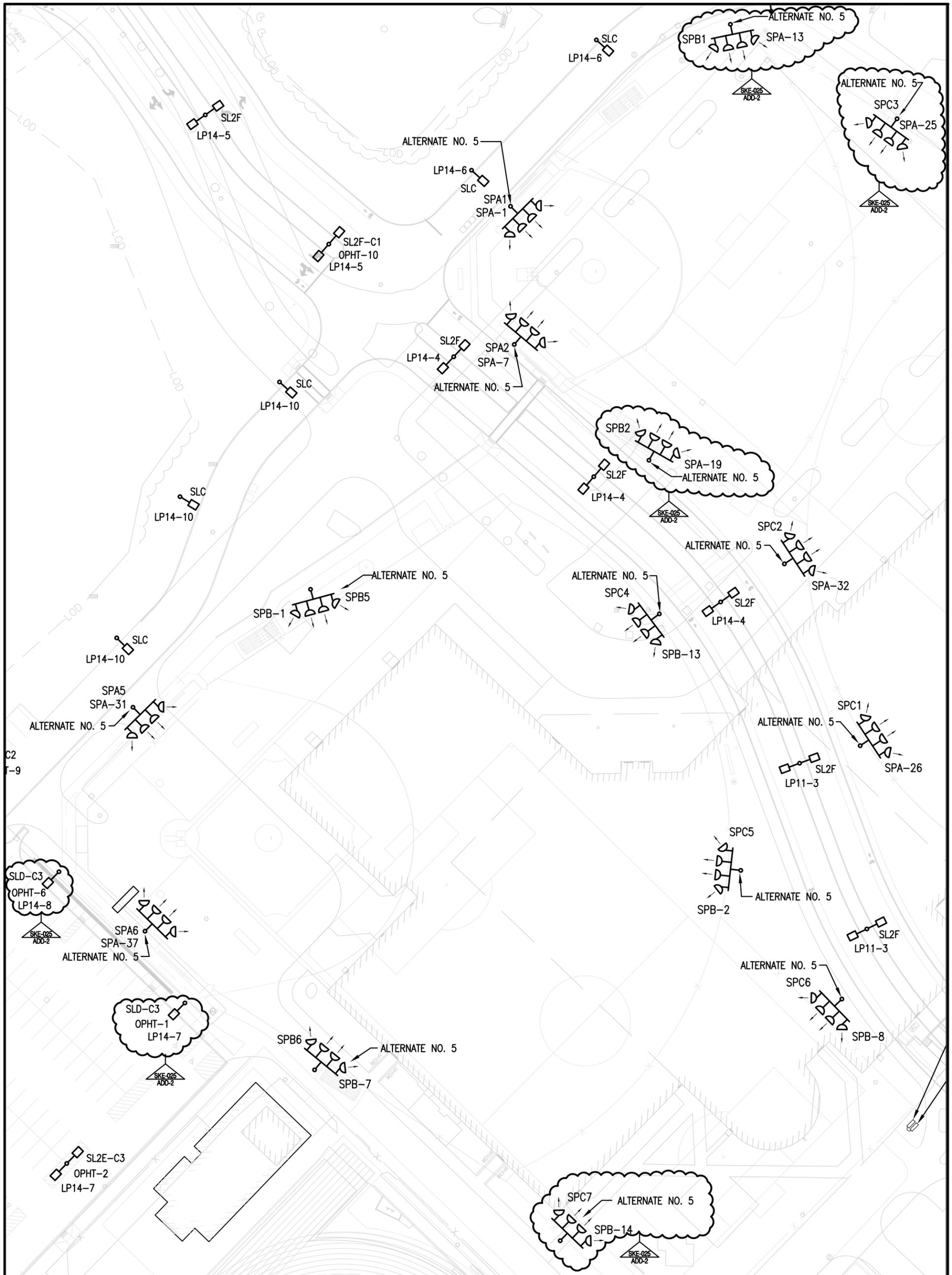
# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH
SCALE:	1"=60'
JOB NO:	1308.00
DATE:	6/11/2015

SKE-024	REF DWG:	ES.1
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ADDENDUM 2

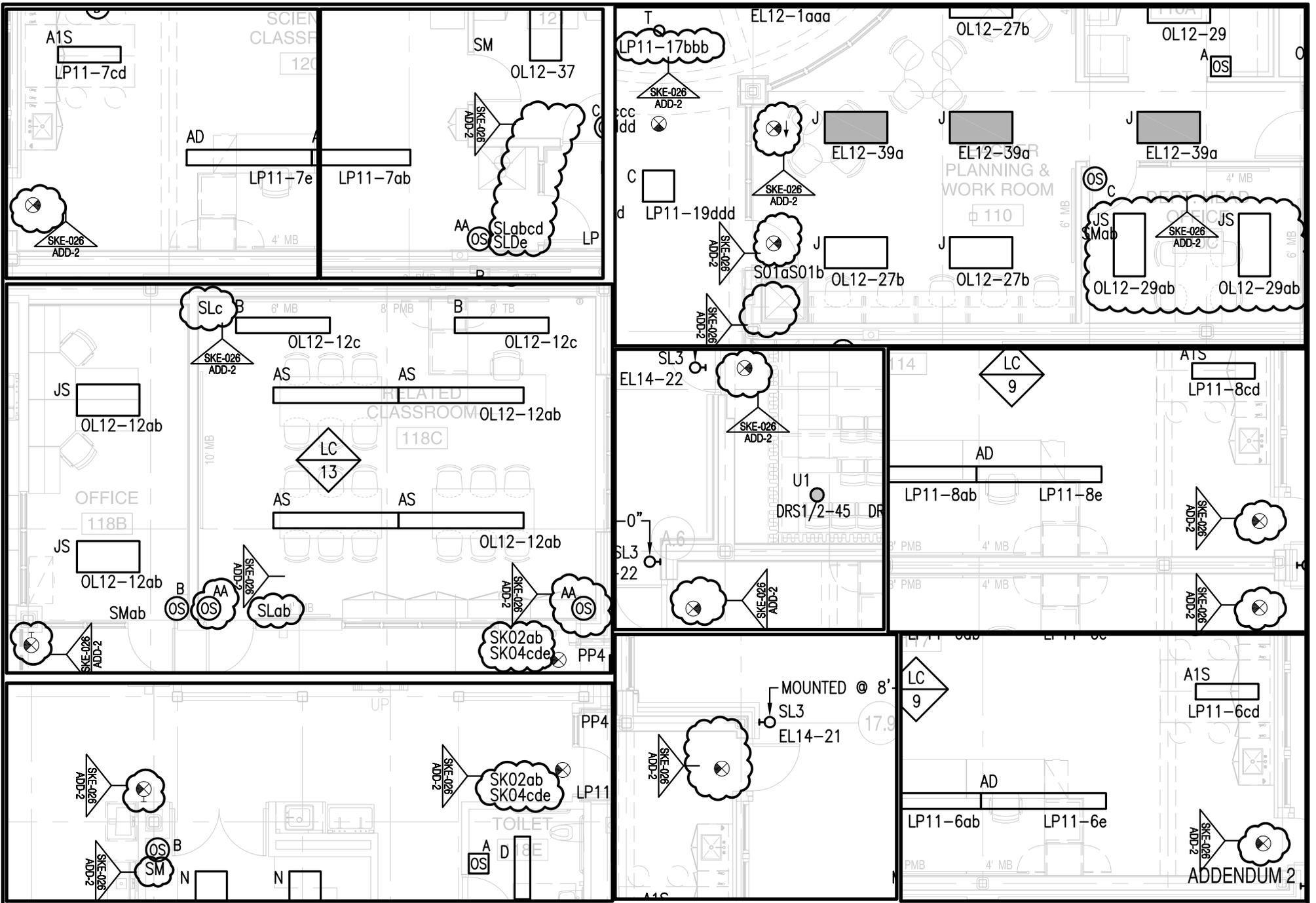


**GENERAL NOTES:**

1. CIRCUITS TO PANELBOARD OPHT AT SITE LIGHTING FIXTURES ARE FOR CAMERAS, POWER SUPPLIES, AND SWITCHES.
2. CONDUIT SIZE FOR SITE LIGHTING SHALL BE 1" MINIMUM.

SKE-025  
ADD-2

ADDENDUM 2



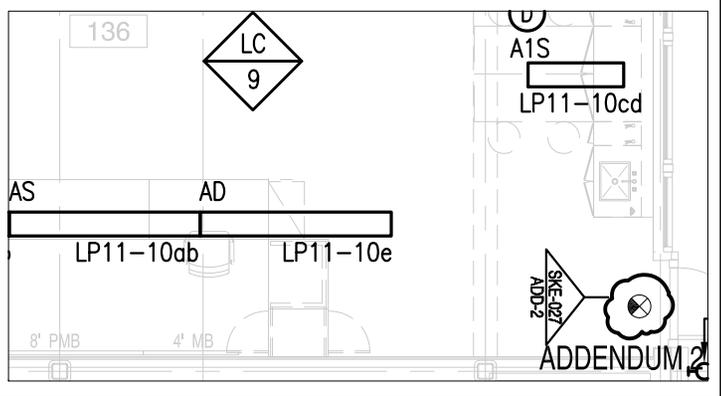
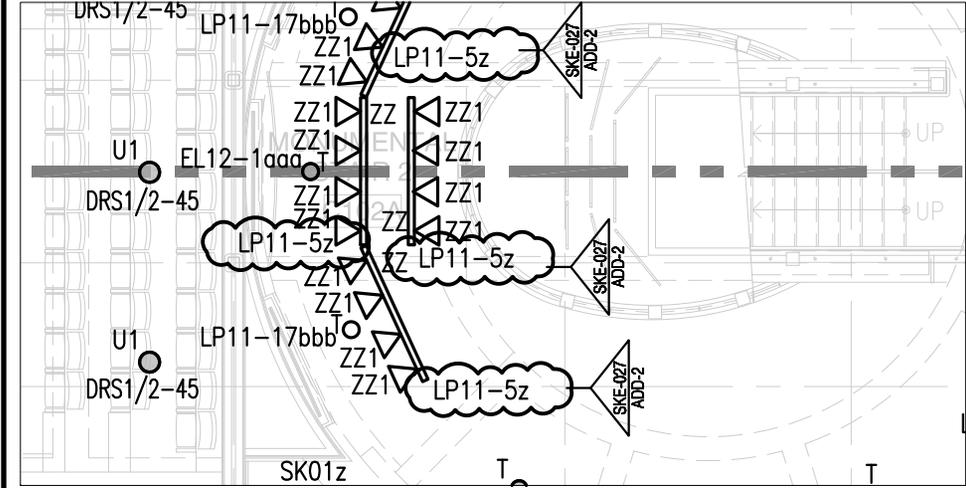
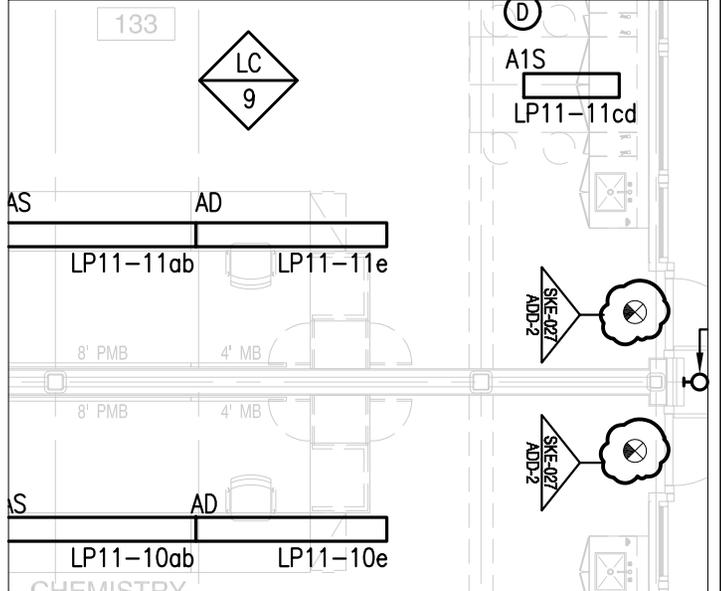
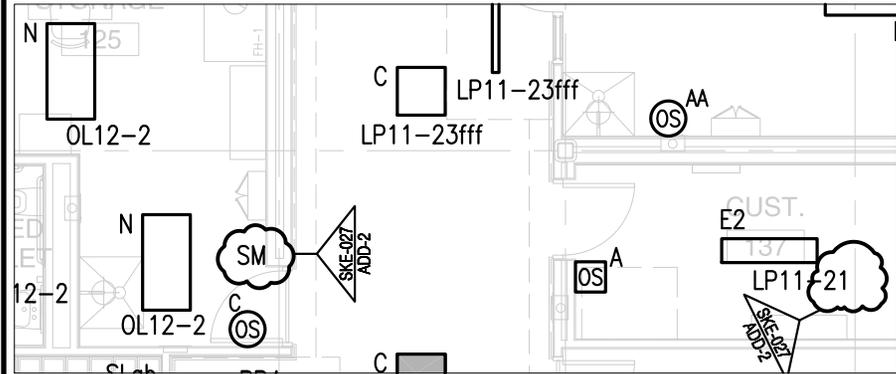
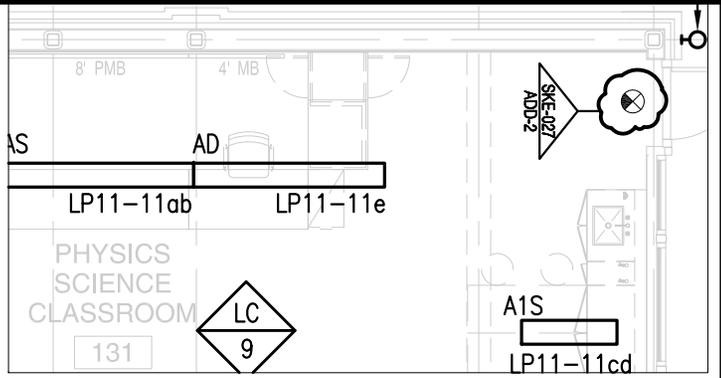
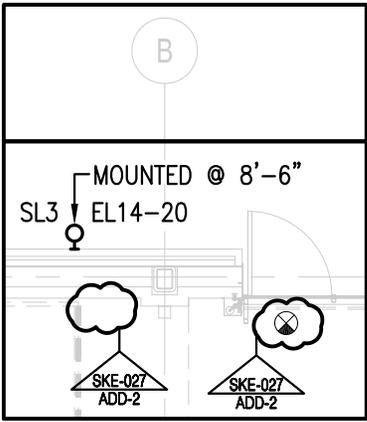
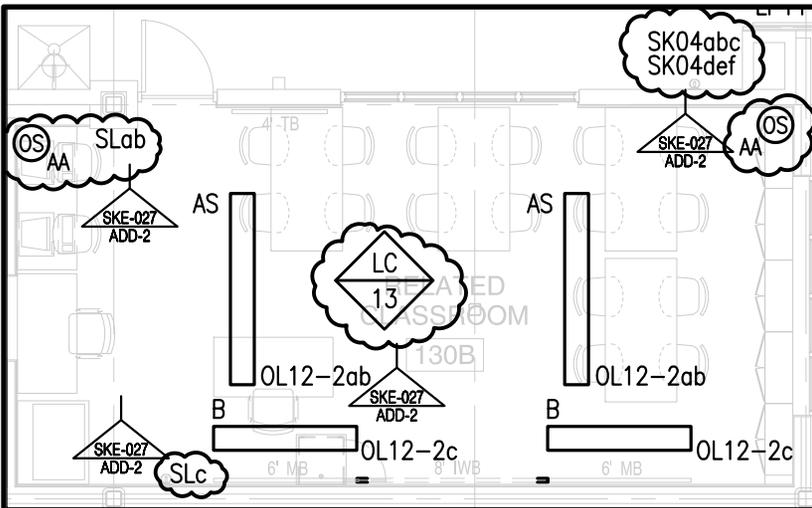
526 Boston Post Road  
Wayland, MA 01778  
TEL. 508.358.0790  
FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

**SKE-026**  
REF DWG: E1.11L



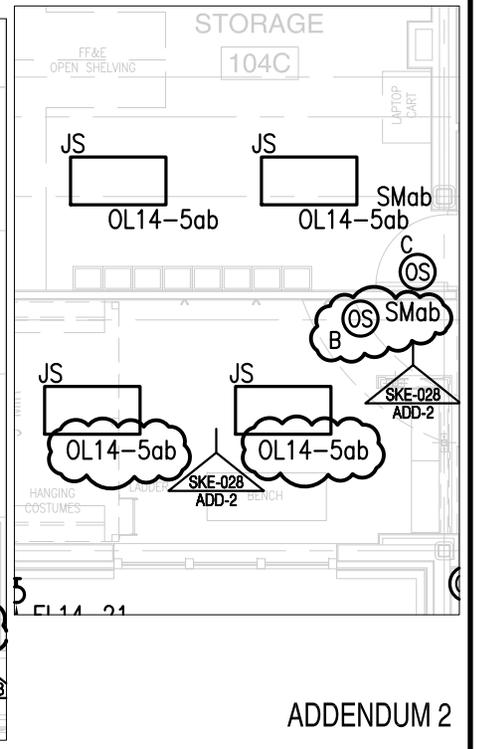
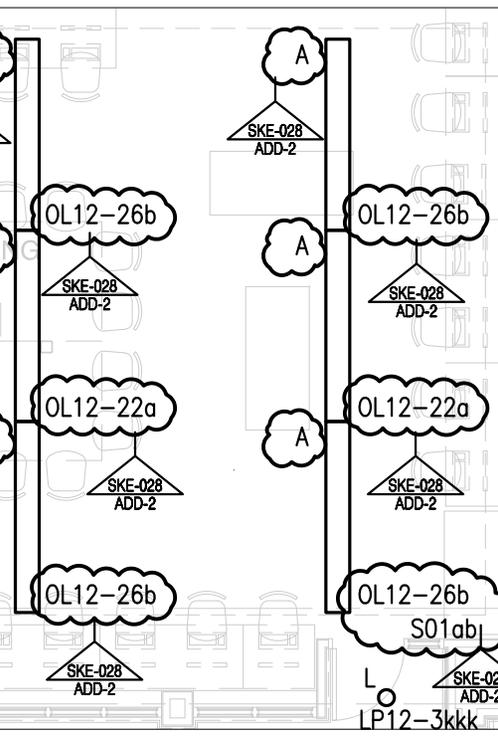
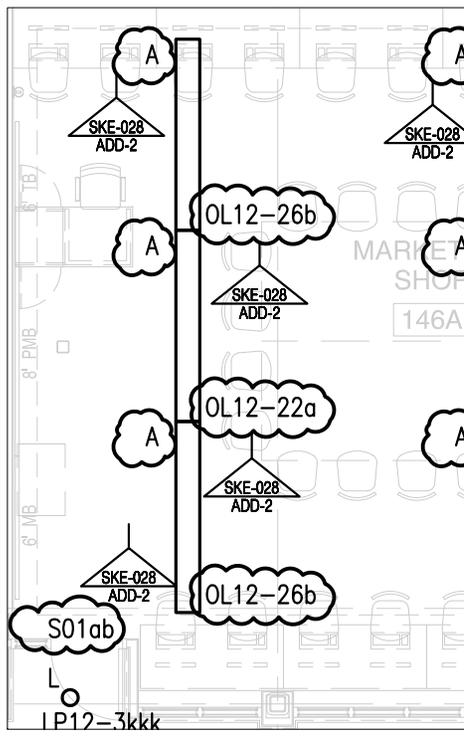
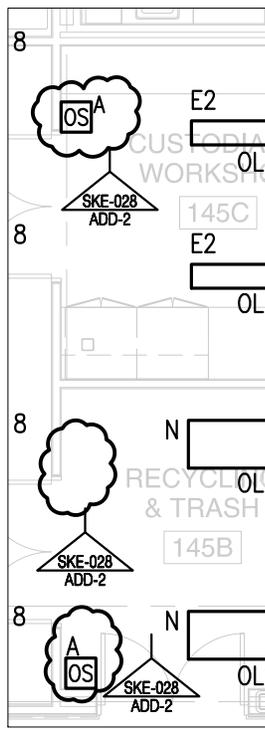
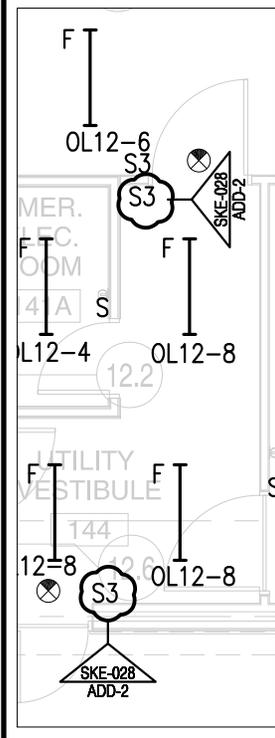
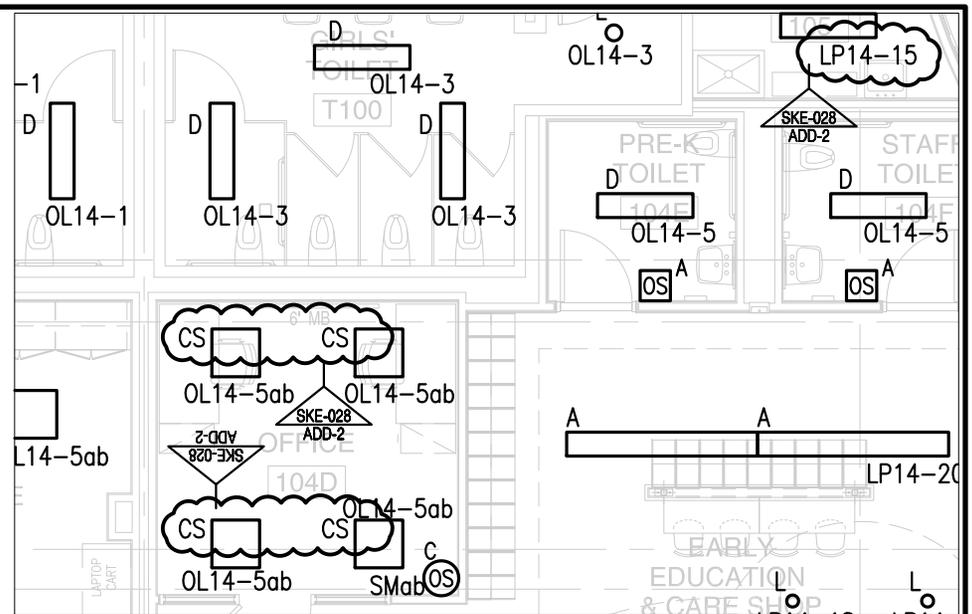
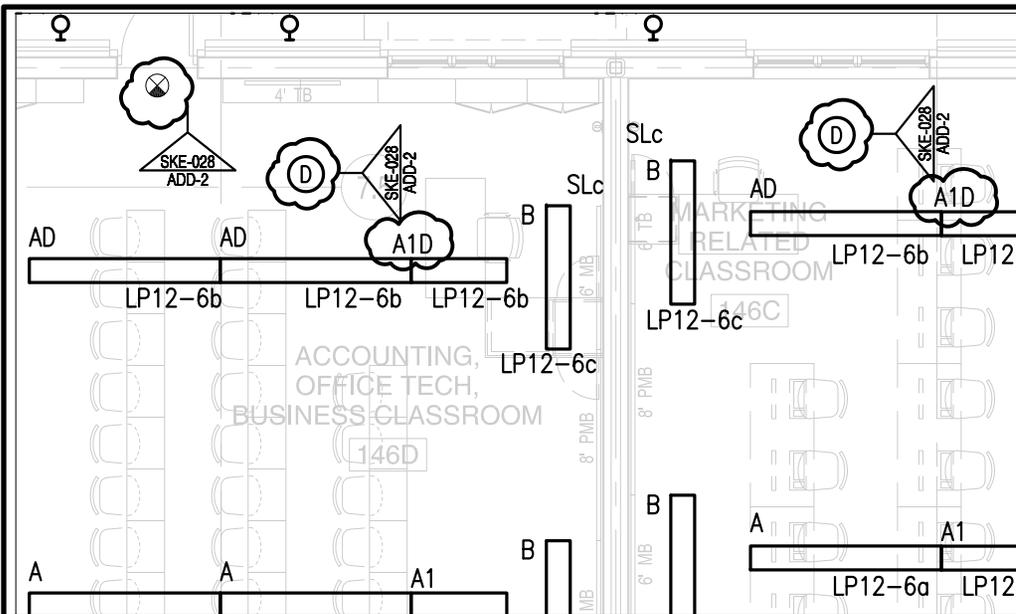
526 Boston Post Road  
Wayland, MA 01778  
TEL. 508.358.0790  
FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

**SKE-027**  
REF DWG: E1.11/E1.12L



ADDENDUM 2



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# PLYMOUTH SOUTH HIGH SCHOOL

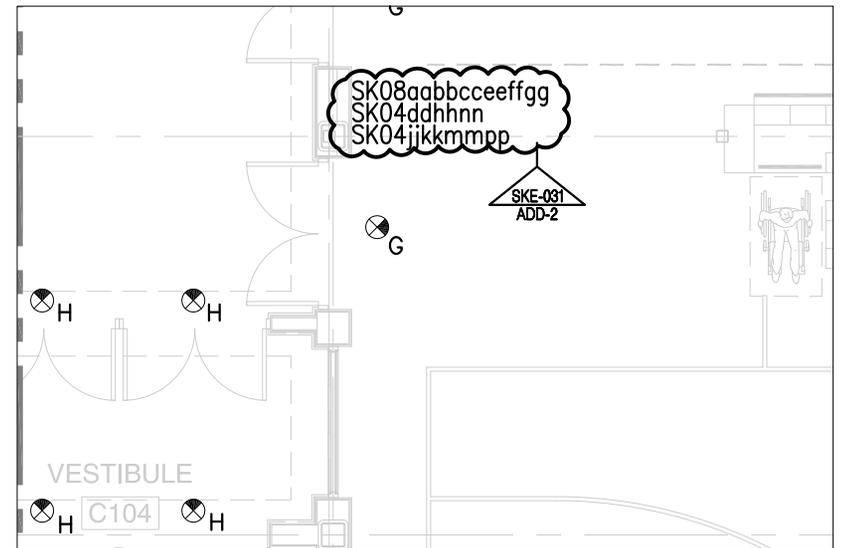
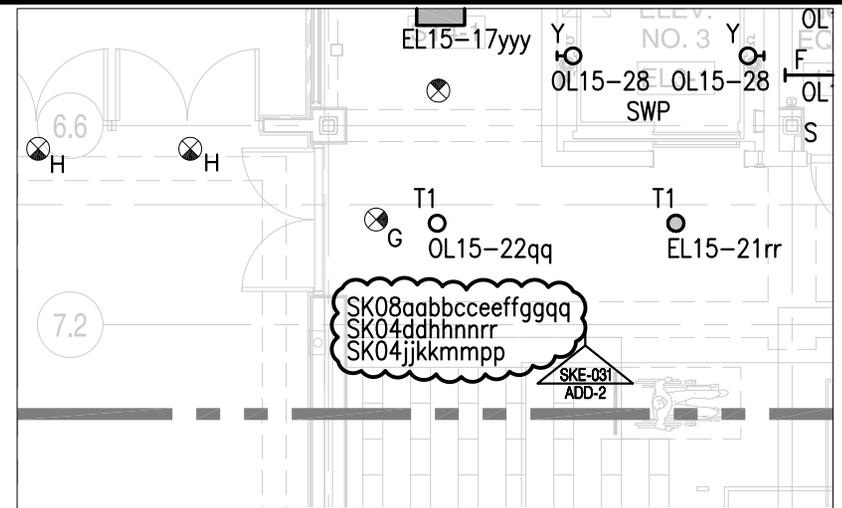
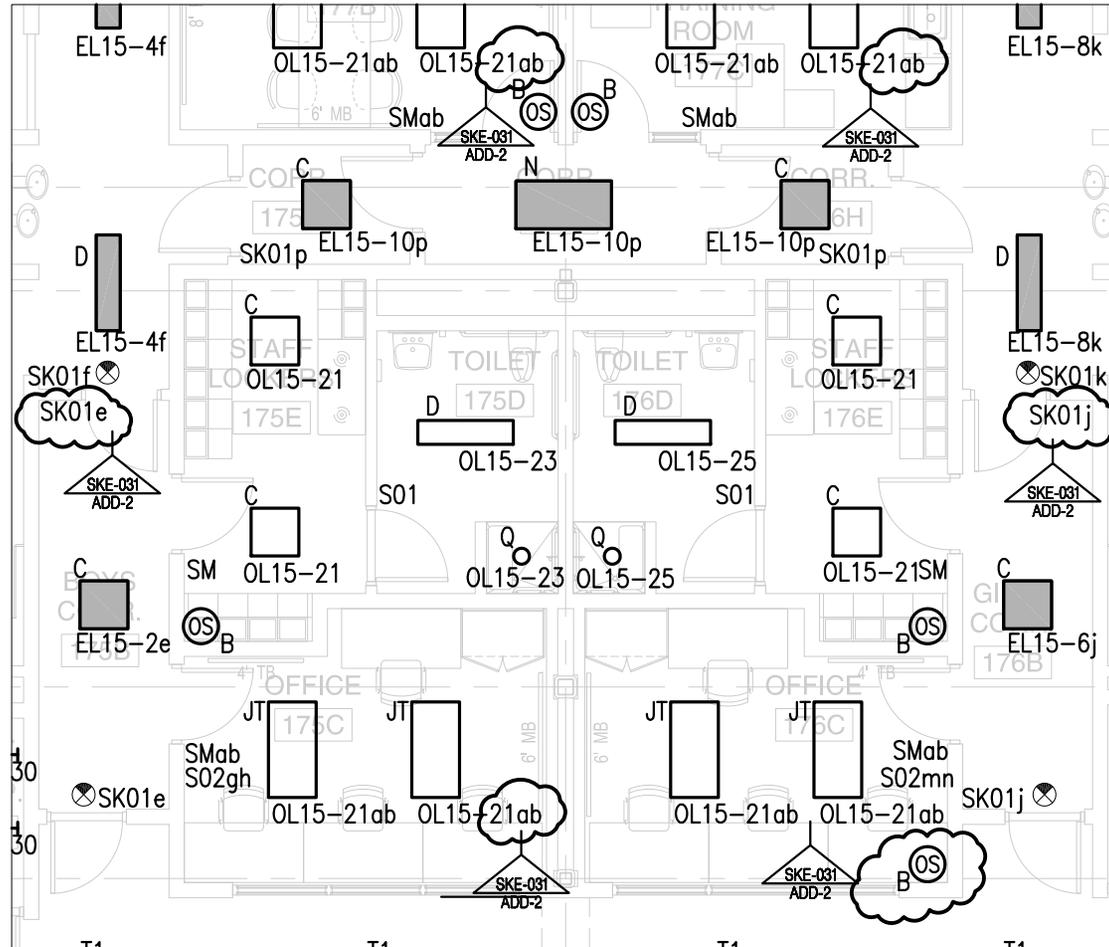
## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

SKE-028  
REF DWG: E1.13L







ADDENDUM 2



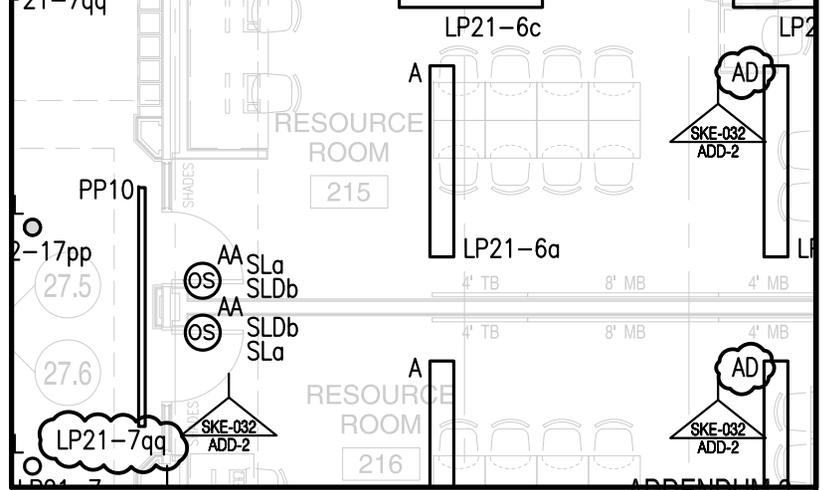
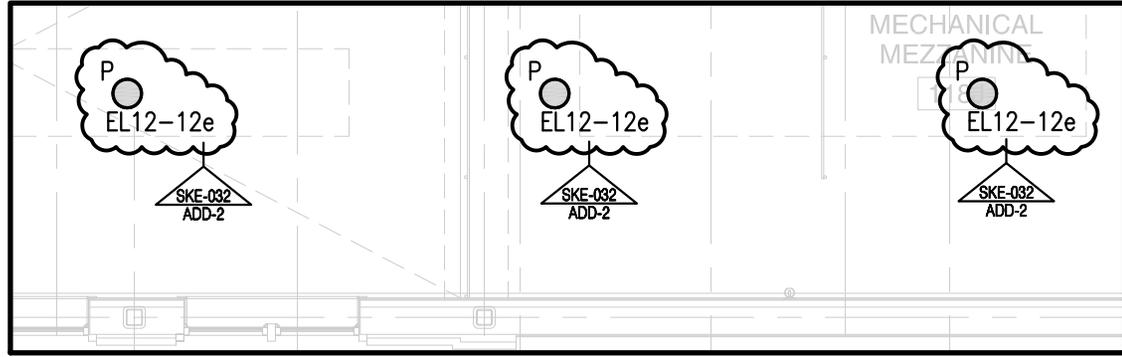
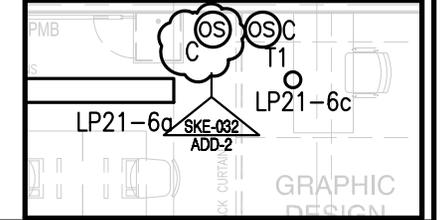
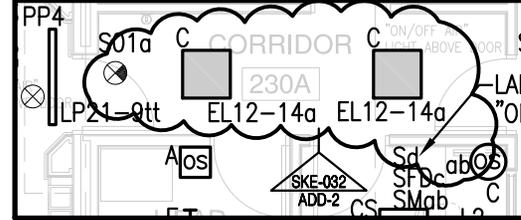
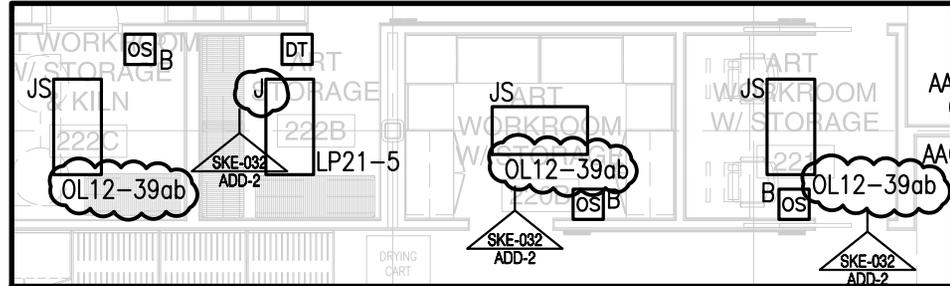
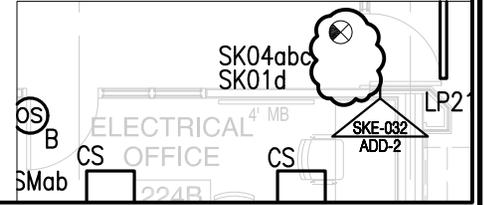
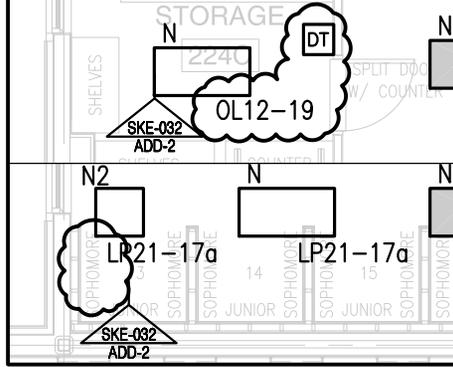
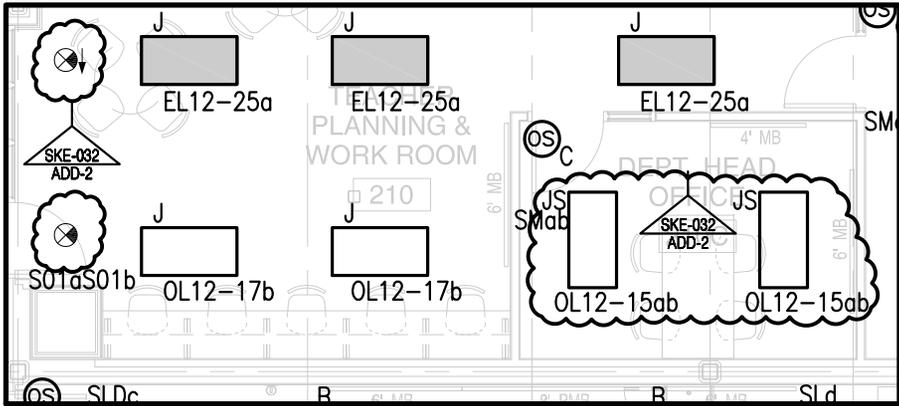
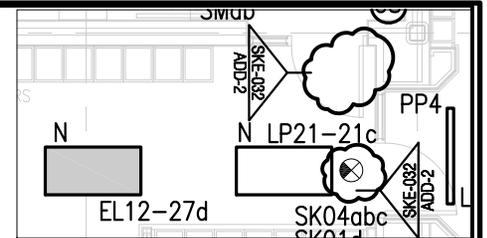
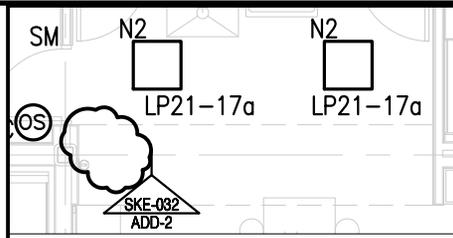
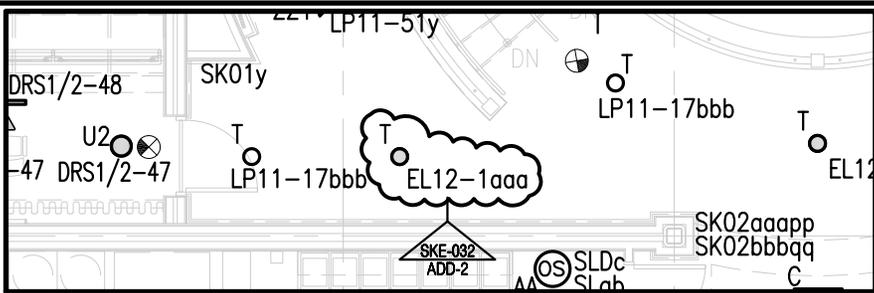
526 Boston Post Road  
Wayland, MA 01778  
TEL. 508.358.0790  
FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

SKE-031  
REF DWG: E1.16L



ADDENDUM 2



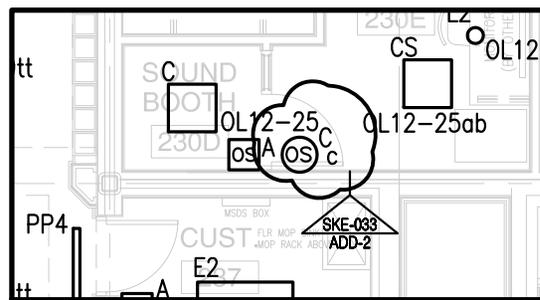
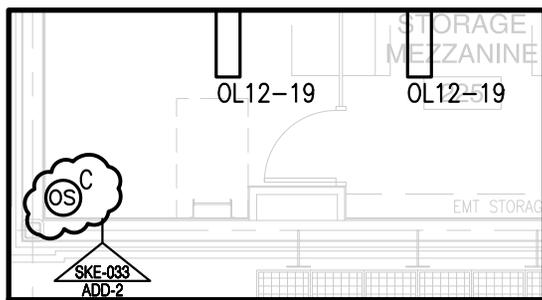
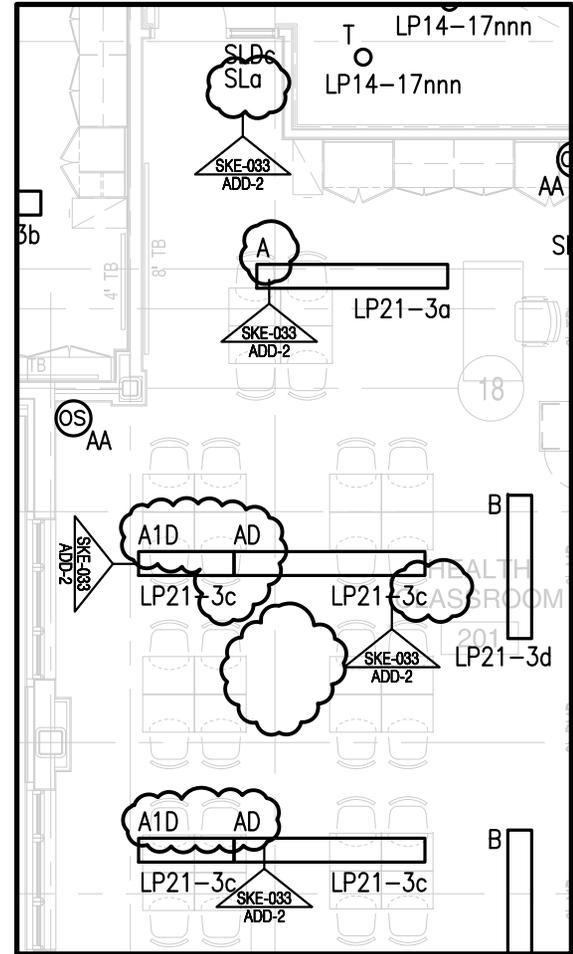
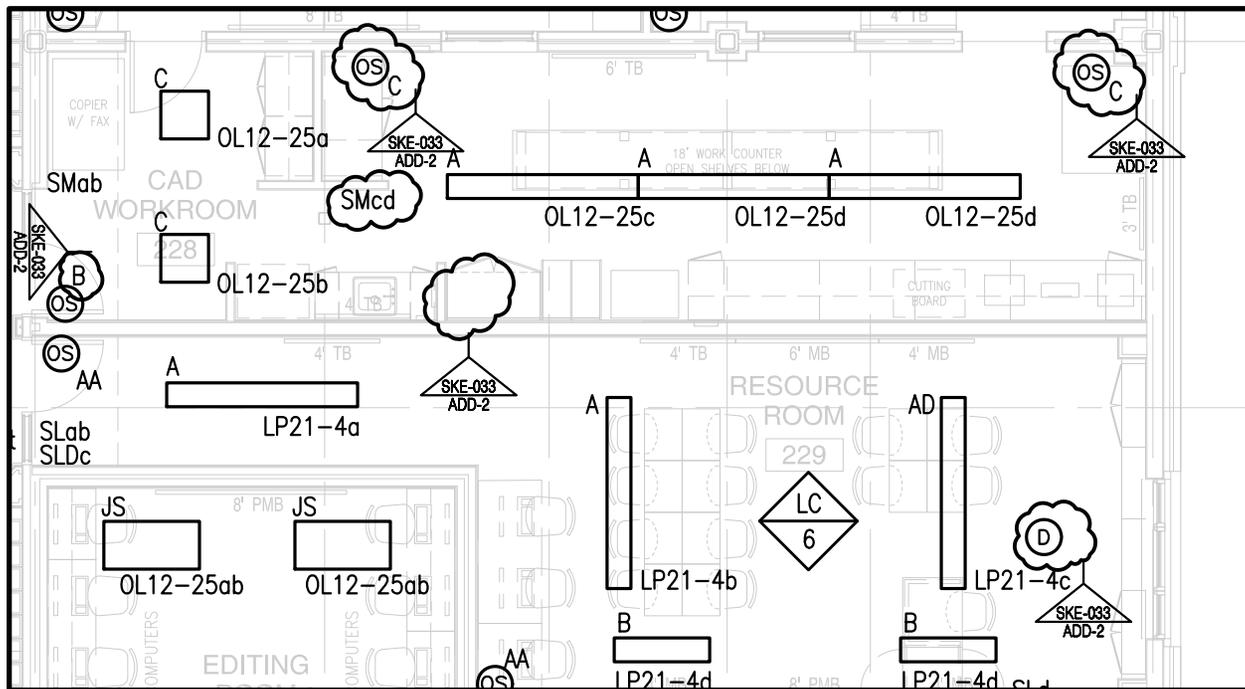
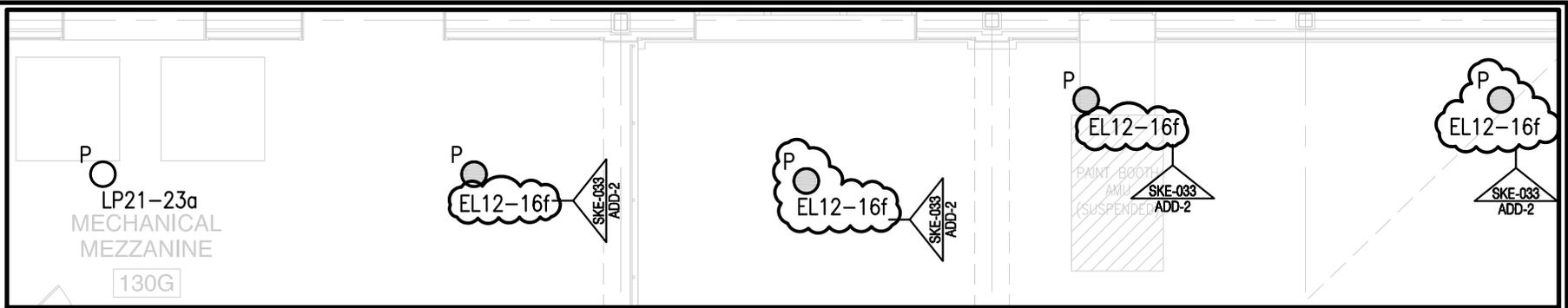
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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

**SKE-032**  
REF DWG: E1.21L/E1.22L



ADDENDUM 2



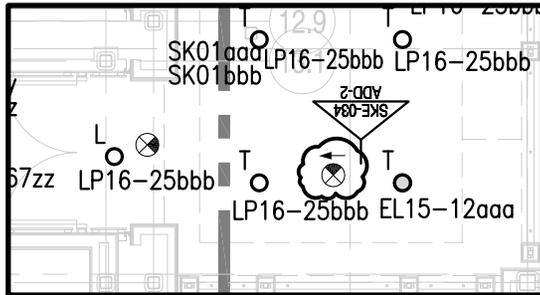
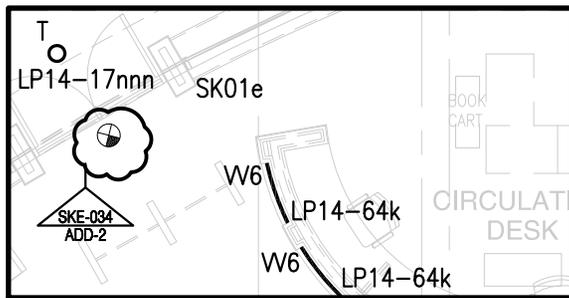
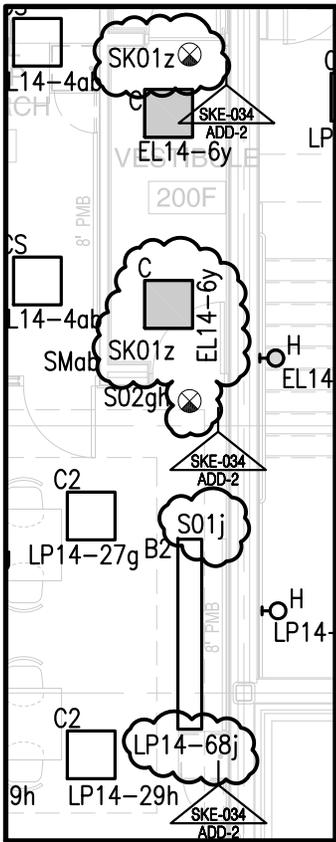
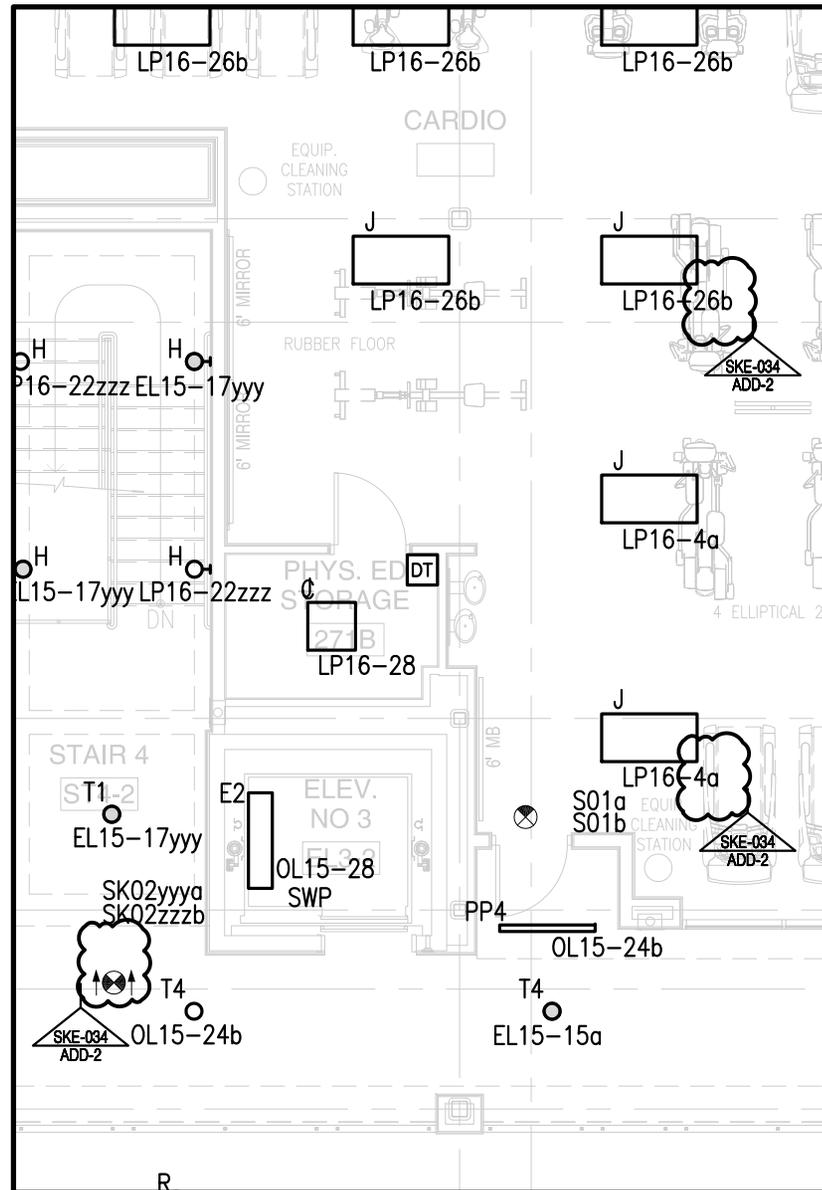
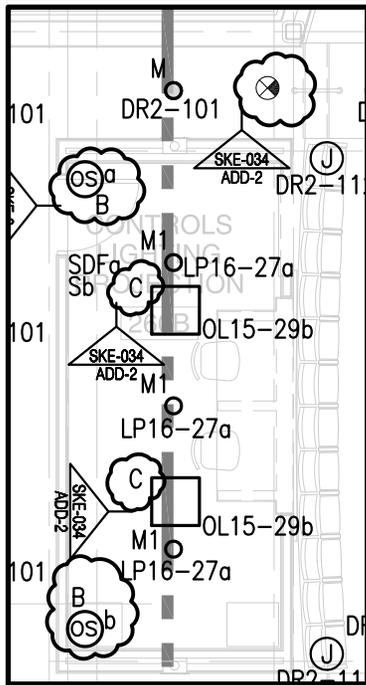
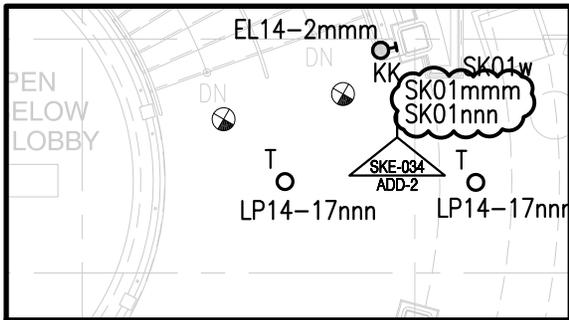
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FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

SKE-033  
REF DWG: E1.22L/E1.23L



ADDENDUM 2



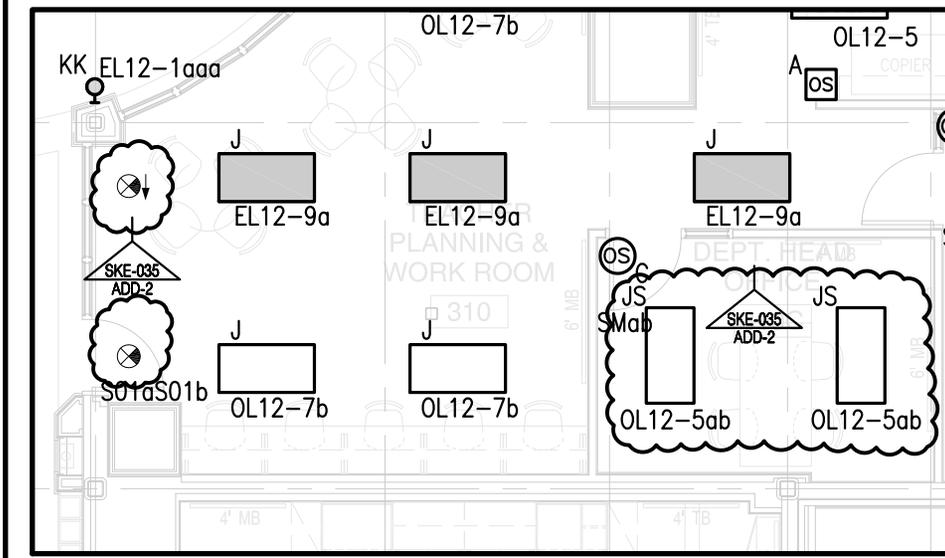
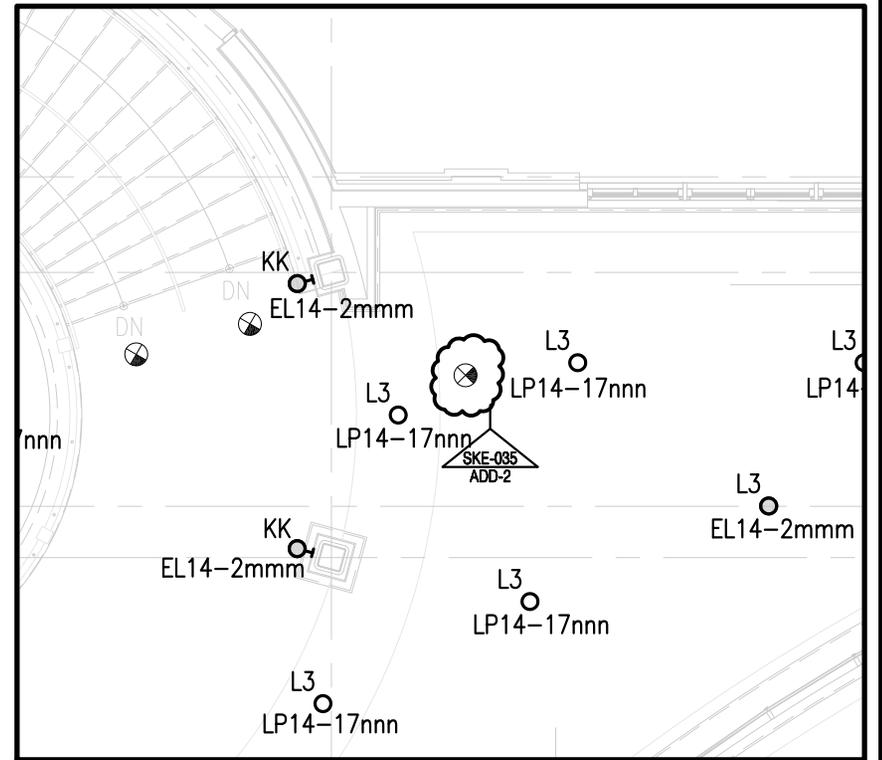
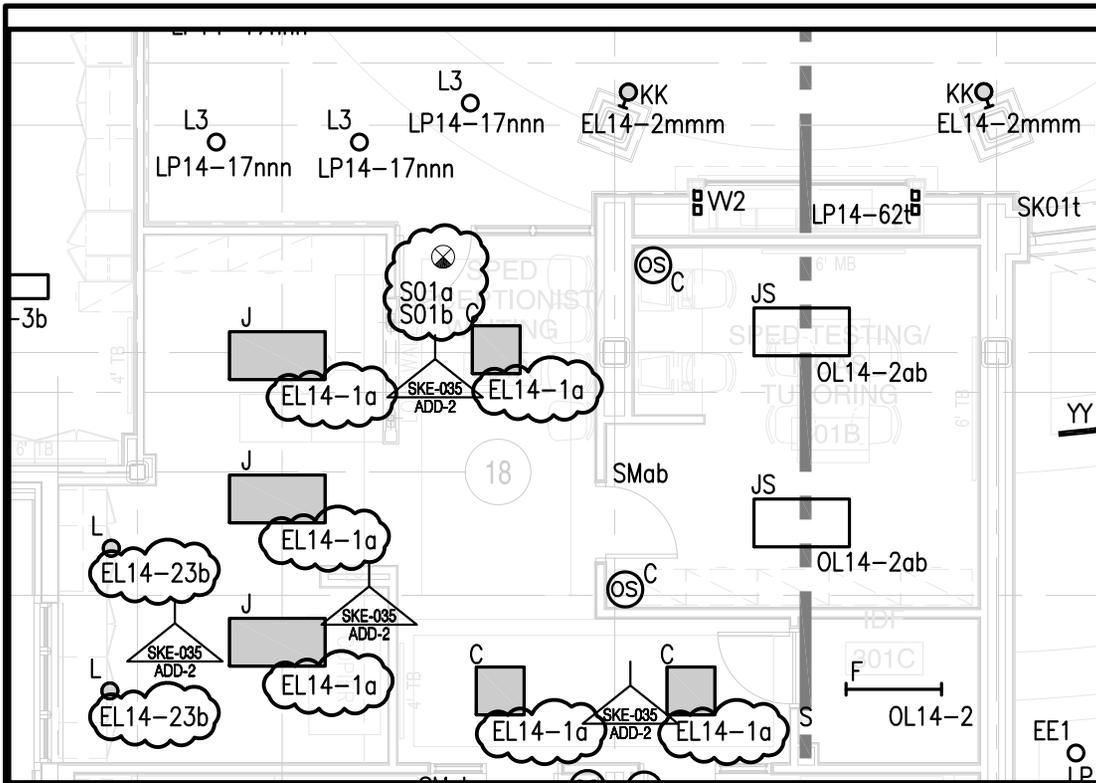
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TEL. 508.358.0790  
FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

SKE-034  
REF DWG: E1.24L/E1.25L/E1.26L



ADDENDUM 2



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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH
SCALE:	1/8"=1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

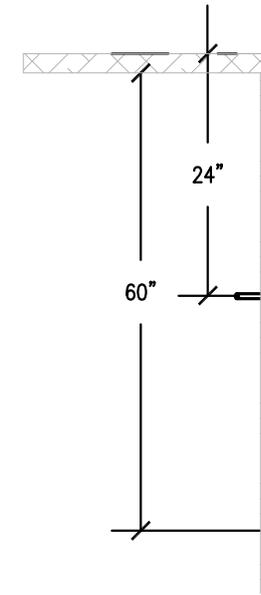
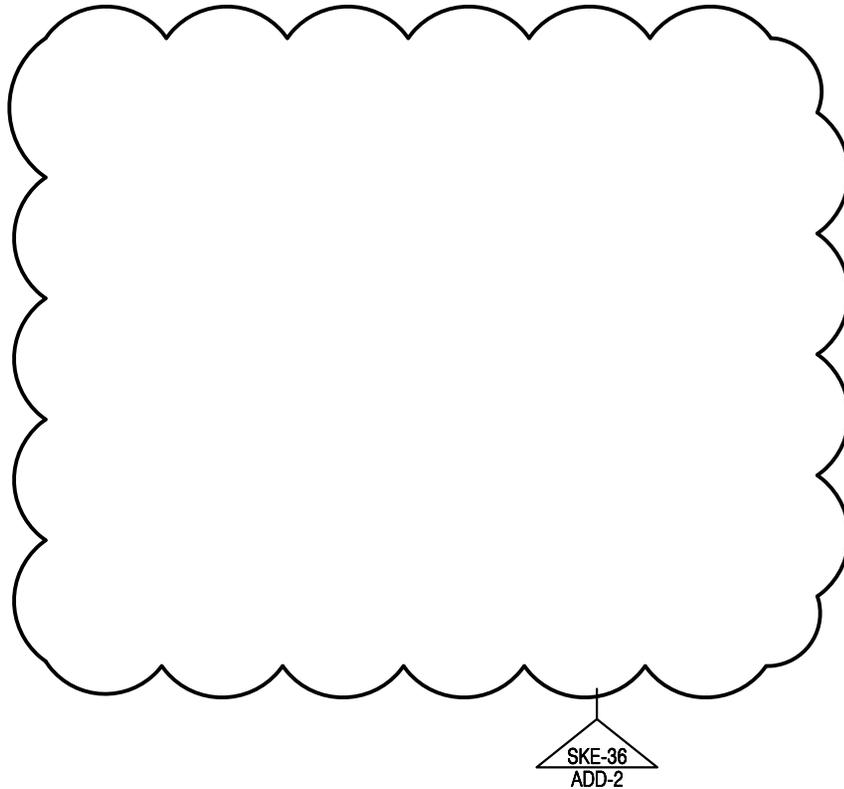
<b>SKE-035</b>
REF DWG: E1.31L/E1.33L/E1.34L

ELECTRICAL SUBCONTRACTOR SHALL COORDINATE EXACT LOCATION WITH SERVICE PROVIDER PRIOR TO INSTALLATION.

4. THE CONDUIT BURIAL DEPTH SHALL BE 30" MINIMUM.
5. PROVIDE GROUNDING PER SERVICE PROVIDER REQUIREMENTS.
6. ALL TRENCHING, CONCRETE WORK, BACKFILLING, GRADING, AND RESURFACING SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

## LOW VOLTAGE RISER POLE INSTALLATION DETAIL

NOT TO SCALE



### POLE BASE DETAIL NOTE

1. ALL SITE LIGHTING POLES SHALL BE
2. ALL TRENCHING, STEEL REINFORCING, PROVIDED BY THE GENERAL CONTRA
3. PROVIDE THIS POLE BASE DETAIL FO

## POLE BASE DETAIL FOR SITE

NOT TO SCALE

ADDENDUM 2



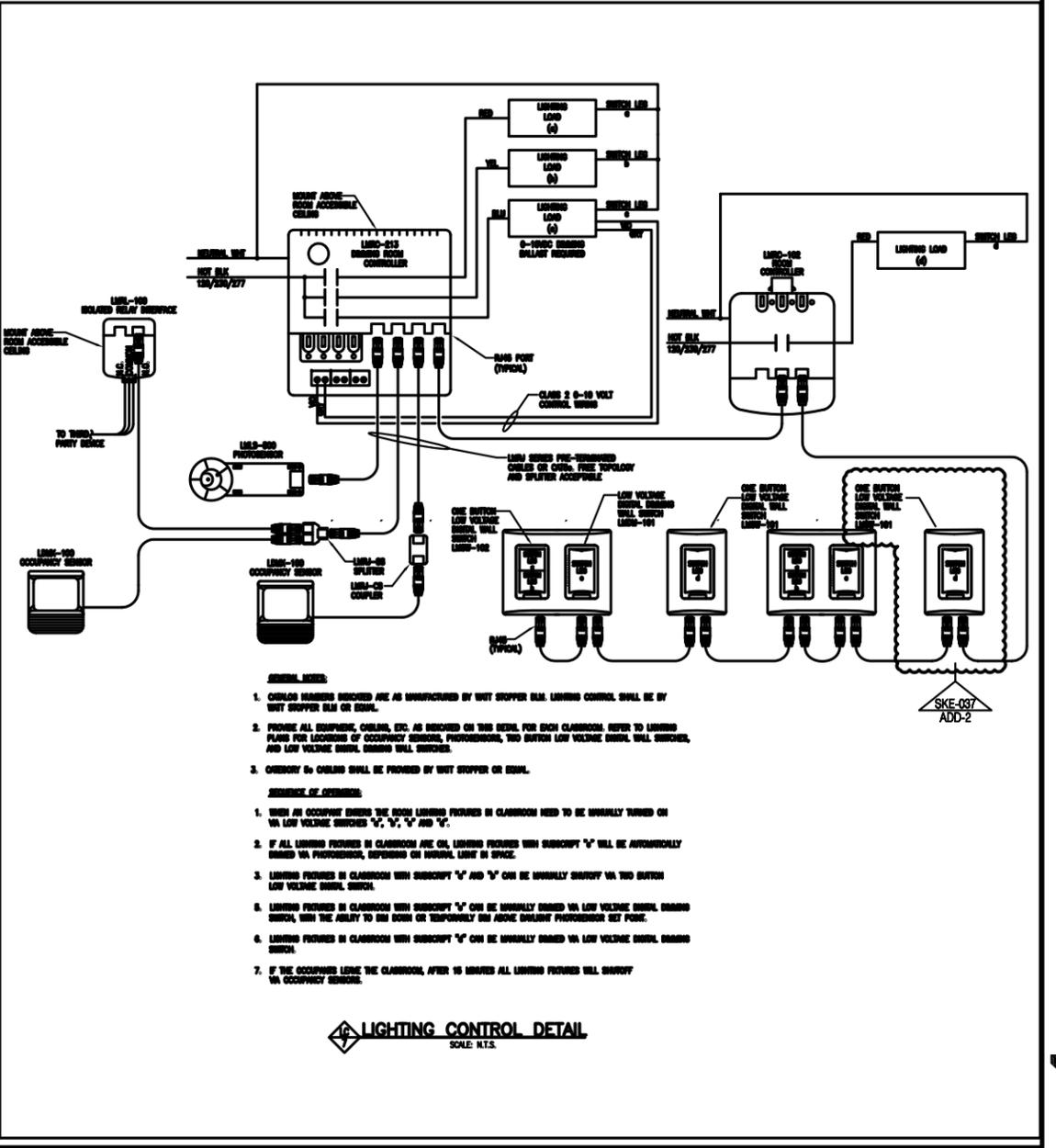
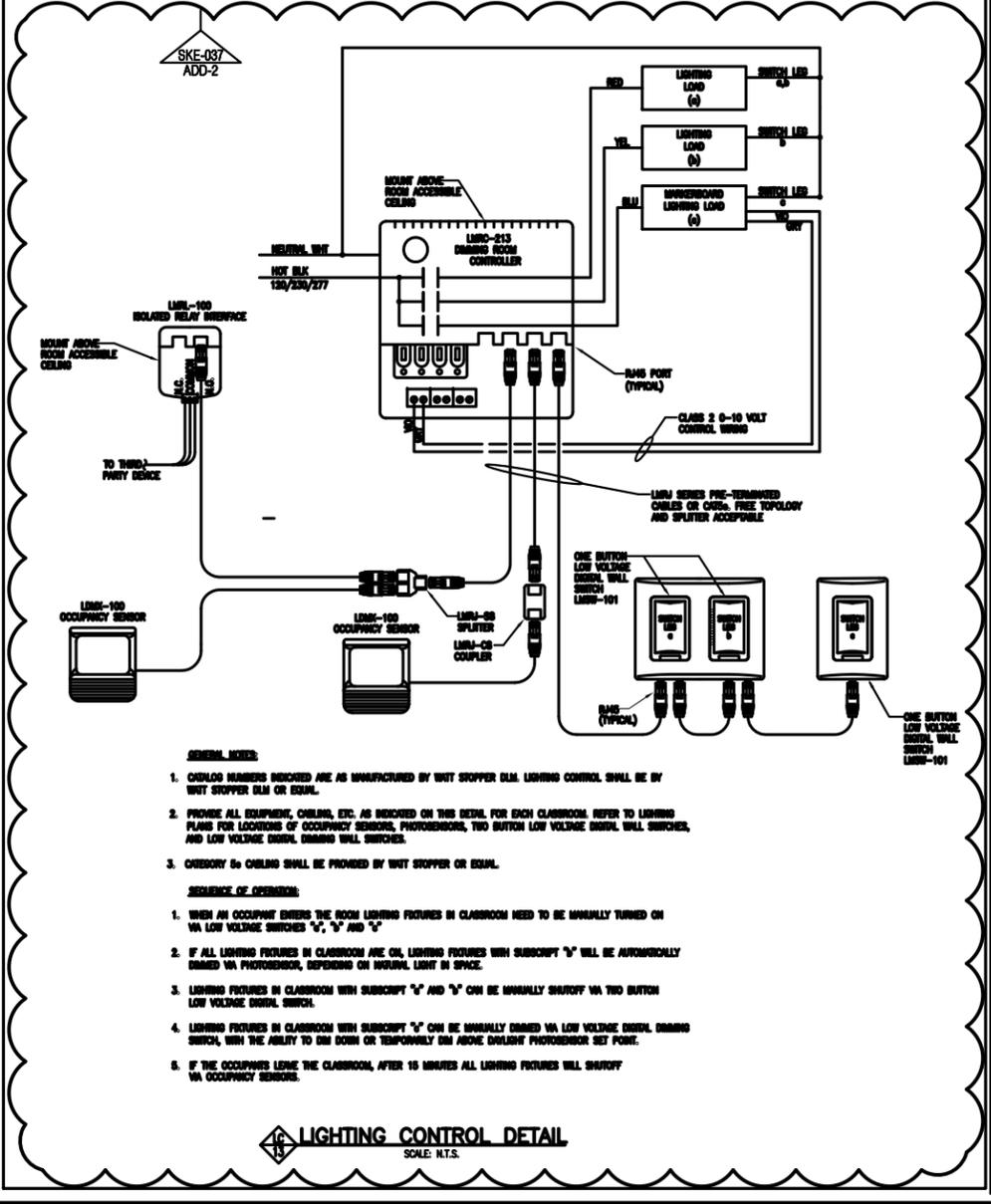
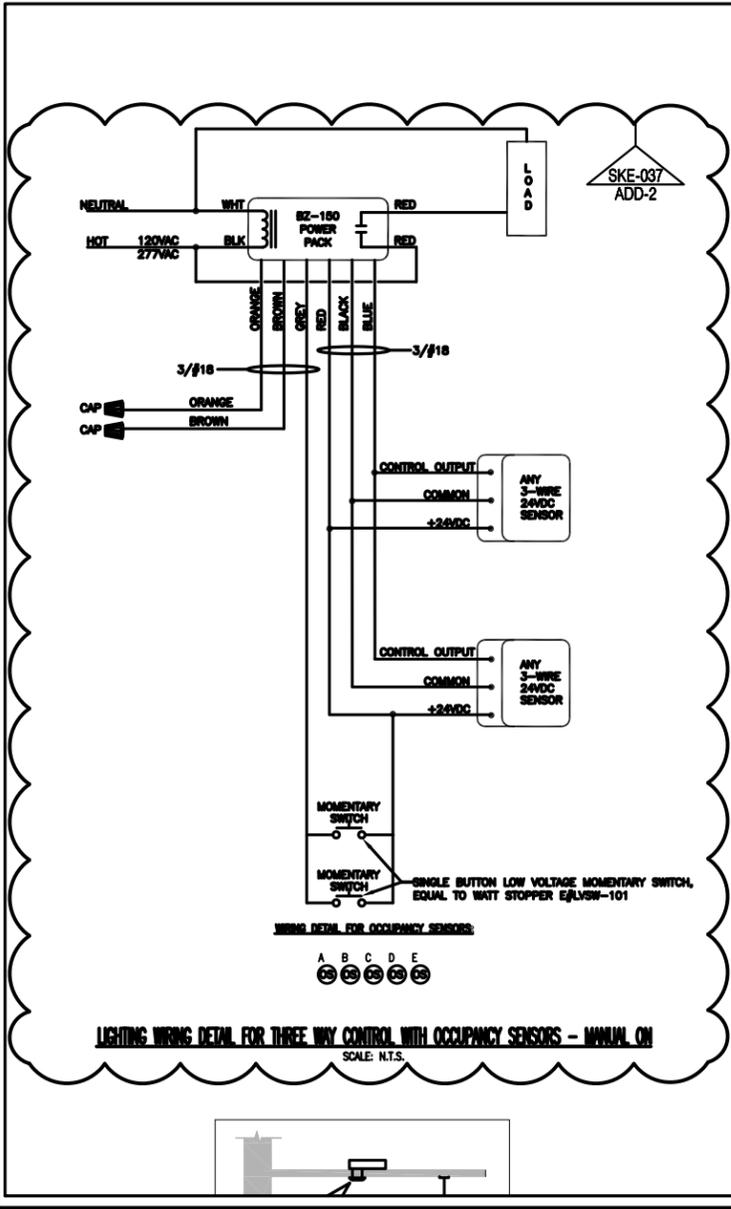
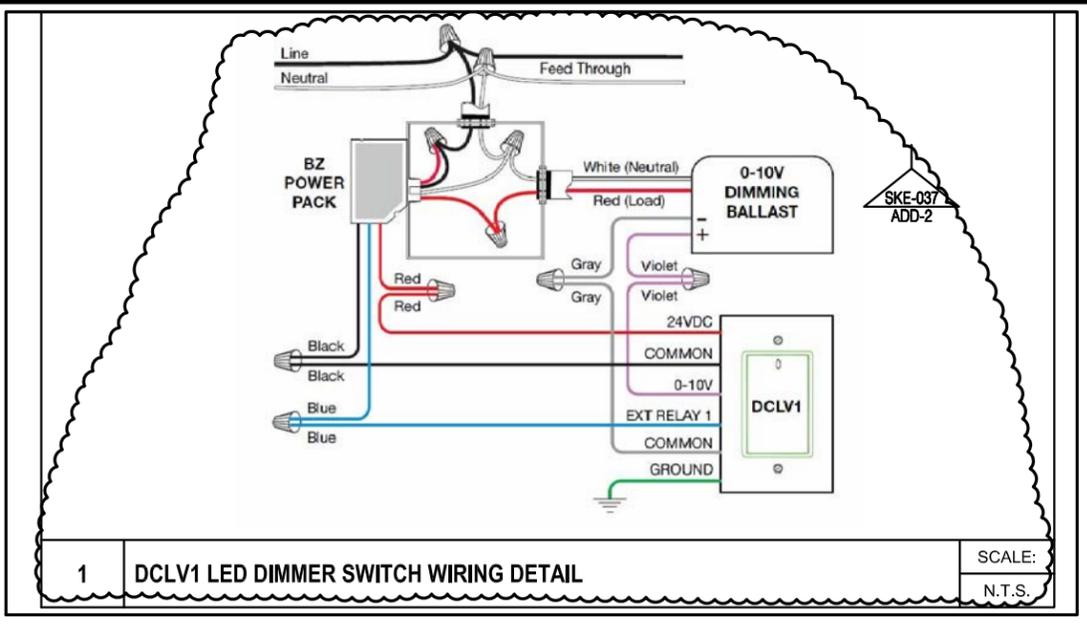
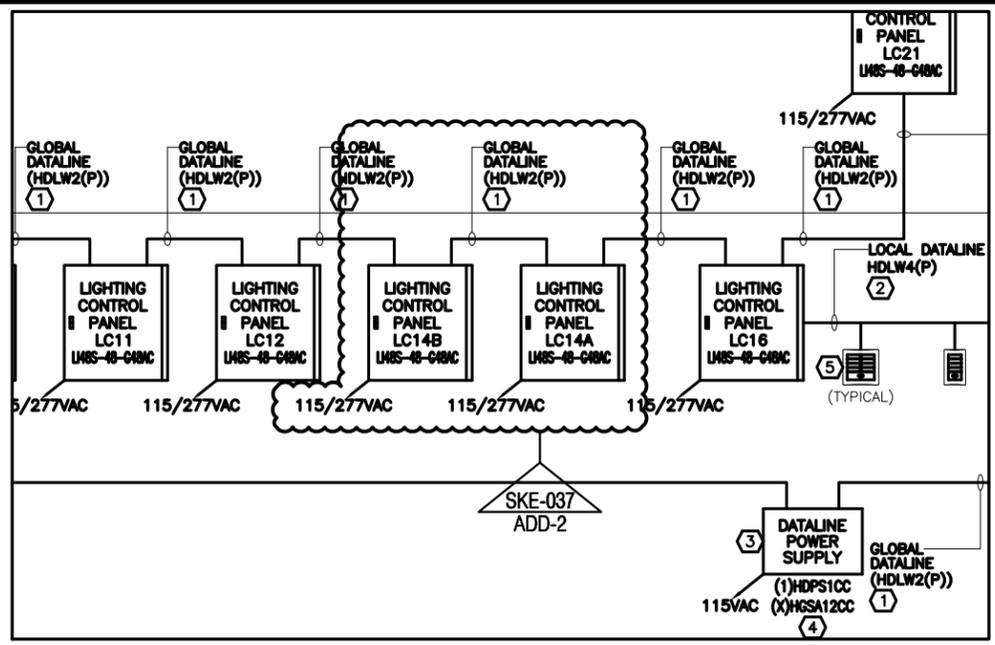
526 Boston Post Road  
Wayland, MA 01778

TEL. 508.358.0790  
FAX. 508.358.0791

**PLYMOUTH SOUTH HIGH SCHOOL**  
**Plymouth, MA**

DRAWN BY:	BJH
SCALE:	None
JOB NO:	1308.00
DATE:	6/11/2015

<b>SKE-036</b>
REF DWG: ES.5



ADDENDUM 2

DRAWN BY: BUJ  
 SCALE: None  
 JOB NO: 1308.00  
 DATE: 6/11/2015  
 REF DWG: E2.1/E2.2

PLYMOUTH SOUTH HIGH SCHOOL  
 Plymouth, MA

526 Boston Post Road  
 Wayland, MA 01778  
 TEL: 508.358.0790  
 FAX: 508.358.0791



**LIGHTING RELAY PANEL 'LCE12' SCHEDULE**

RELAY	PANEL	CIRCUIT NUMBER IN LIGHTING PNL	DESCRIPTION	LOCAL SWITCH	MASTER SWITCH	PHOTOCELL CONTROL	GROUP MODULE NUMBER	VOLTAGE
1	EL12	1	MONUMENTAL STAIR #2	✓	NOTE 2			277
2	EL12	2	CORRIDOR	✓	NOTE 2			277
3	EL12	3	CORRIDOR	✓	NOTE 2			277
4	EL12	4	CORRIDOR	✓	NOTE 2			277
5	EL12	5	CORRIDOR	✓	NOTE 2			277
6	EL12	7	CORRIDOR	✓	NOTE 2			277
7	EL12	9	TEACHER PLANNING	✓	NOTE 2			277
8	EL12	11	CORRIDOR	✓	NOTE 2			277
9	EL12	13	STAIR	✓	NOTE 2			277
10	EL12	15	STAIR	✓	NOTE 2			277
11	EL12	17	CORRIDOR	✓	NOTE 2			277
12	EL12	19	CORRIDOR	✓	NOTE 2			277
13	EL12	21	CORRIDOR	✓	NOTE 2			277
14	EL12	23	CORRIDOR	✓	NOTE 2			277
15	EL12	25	TEACHER PLANNING	✓	NOTE 2			277
16	EL12	27	ELECTRICAL SHOP	✓	NOTE 2			277
17	EL12	29	AUTOMOTIVE SHOP	✓	NOTE 2			277
18	EL12	31	AUTOMOTIVE SHOP	✓	NOTE 2			277
19	EL12	33	CONSTRUCTION SHOP	✓	NOTE 2			277
20	EL12	35	CONSTRUCTION SHOP	✓	NOTE 2			277
21	EL12	37	CORRIDOR	✓	NOTE 2			277
22	EL12	39	TEACHERS PLANNING	✓	NOTE 2			277
23	EL12	41	CORRIDOR	✓	NOTE 2			277
24	EL12	12	CONSTRUCTION SHOP	✓	NOTE 2			277
25	EL12	16	AUTO SHOP	✓	NOTE 2			277
26	EL12	14	TV STUDIO	✓	NOTE 2			277

**LIGHTING RELAY PANEL 'LCO12' SCHEDULE**

RELAY	PANEL	CIRCUIT NUMBER IN LIGHTING PNL	DESCRIPTION	LOCAL SWITCH	MASTER SWITCH	PHOTOCELL CONTROL	GROUP MODULE NUMBER	VOLTAGE
1	OL12	1	TOILET	✓	NOTE 2			277
2	OL12	3	TOILET	✓	NOTE 2			277
3	OL12	7	TEACHERS PLANNING	✓	NOTE 2			277
4	OL12	11	TOILET	✓	NOTE 2			277
5	OL12	13	TOILET	✓	NOTE 2			277
6	OL12	17	TEACHERS PLANNING	✓	NOTE 2			277
7	OL12	21	TV STUDIO	✓	NOTE 2			277
8	-	-	-	-	-			-
9	OL12	27	TEACHERS PLANNING	✓	NOTE 2			277
10	OL12	31	TOILET	✓	NOTE 2			277
11	OL12	33	TOILET	✓	NOTE 2			277
12	OL12	18	RECEIVING	✓	NOTE 2			277
13	OL12	22	MARKETING SHOP	✓	NOTE 2			277
14	OL12	24	MARKETING SHOP	✓	NOTE 2			277

**LIGHTING RELAY PANEL 'LCO14' SCHEDULE**

RELAY	PANEL	CIRCUIT NUMBER IN LIGHTING PNL	DESCRIPTION	LOCAL SWITCH	MASTER SWITCH	PHOTOCELL CONTROL	GROUP MODULE NUMBER	VOLTAGE
1	OL14	1	TOILET	✓	NOTE 2			277
2	OL14	3	TOILET	✓	NOTE 2			277
3	OL14	7	CULINARY KITCHEN	✓	NOTE 2			277
4	OL14	11	RECEIVING	✓	NOTE 2			277
5	OL14	13	KITCHEN	✓	NOTE 2			277
6	OL14	15	KITCHEN SERVING	✓	NOTE 2			277
7	OL14	17	SERVING AREA	✓	NOTE 2			277
8	OL14	19	STUDENT DINING SERV	✓	NOTE 2			277
9	OL14	21	STUDENT DINING SERV	✓	NOTE 2			277
10	OL14	23	STUDENT DINING	✓	NOTE 2			277
11	OL14	25	STUDENT DINING	✓	NOTE 2			277
12	OL14	27	STUDENT DINING	✓	NOTE 2			277
13	OL14	29	STUDENT DINING	✓	NOTE 2			277
14	OL14	31	STUDENT DINING	✓	NOTE 2			277
15	OL14	33	STUDENT DINING	✓	NOTE 2			277
16	OL14	35	STUDENT DINING	✓	NOTE 2			277
17	OL14	37	STUDENT DINING	✓	NOTE 2			277
18	OL14	39	SERVING AREA	✓	NOTE 2			277
19	OL14	41	SERVING AREA	✓	NOTE 2			277
20	OL14	6	EARLY EDUCATION	✓	NOTE 2			277
21	OL14	8	EARLY EDUCATION	✓	NOTE 2			277
22	OL14	14	GUIDANCE	✓	NOTE 2			277
23	OP14	43	CULINARY DINING	✓	NOTE 2			120
24	OP14	45	CULINARY DINING	✓	NOTE 2			120

**LIGHTING RELAY PANEL 'LCE14' SCHEDULE**

RELAY	PANEL	CIRCUIT NUMBER IN LIGHTING PNL	DESCRIPTION	LOCAL SWITCH	MASTER SWITCH	PHOTOCELL CONTROL	GROUP MODULE NUMBER	VOLTAGE
1	EL14	1	SPED RECEPTION	✓	NOTE 2			277
2	EL14	3	MEDIA CENTER	✓	NOTE 2	✓		277
3	EL14	5	MEDIA CENTER	✓	NOTE 2	✓		277
4	EL14	7	ADMIN	✓	NOTE 2	✓		277
5	EL14	9	ADMIN	✓	NOTE 2			277
6	EL14	11	NURSES SUITE	✓	NOTE 2			277
7	EL14	13	STAIR	✓	NOTE 2			277
8	EL14	15	MAIN LOBBY	✓	NOTE 2			277
9	EL14	17	CORRIDOR	✓	NOTE 2			277
10	EL14	2	MONUMENTAL STAIR #1	✓	NOTE 2			277
11	EL14	4	CORRIDOR	✓	NOTE 2			277
12	EL14	6	CORRIDOR	✓	NOTE 2			277
13	EL14	8	STUDENT DINING	✓	NOTE 2			277
14	EL14	10	STUDENT DINING	✓	NOTE 2			277
15	EL14	12	CORRIDOR	✓	NOTE 2			277
16	EL14	19	BLDG SITE LIGHTING			✓		277
17	EL14	20	BLDG SITE LIGHTING			✓		277
18	EL14	21	BLDG SITE LIGHTING			✓		277
19	EL14	22	BLDG SITE LIGHTING			✓		277
20	EL14	23	SPED RECEPTION	✓	NOTE 2			277

**LIGHTING RELAY PANEL 'LCO15' SCHEDULE**

RELAY	PANEL	CIRCUIT NUMBER IN LIGHTING PNL	DESCRIPTION	LOCAL SWITCH	MASTER SWITCH	PHOTOCELL CONTROL	GROUP MODULE NUMBER	VOLTAGE
1	OL15	1	STAGE	✓	NOTE 2			277
2	OL15	3	TOILET	✓	NOTE 2			277
3	OL15	5	TOILET	✓	NOTE 2			277
4	OL15	13	LOCKER ROOMS	✓	NOTE 2			277
5	OL15	15	LOCKER ROOMS	✓	NOTE 2			277
6	OL15	17	LOCKER ROOMS	✓	NOTE 2			277
7	OL15	19	LOCKER ROOMS	✓	NOTE 2			277
8	OL15	23	LOCKER ROOMS	✓	NOTE 2			277
9	OL15	25	LOCKER ROOMS	✓	NOTE 2			277
10	OL15	2	GYM	✓	NOTE 2			277
11	OL15	4	GYM	✓	NOTE 2	✓		277
12	OL15	6	GYM	✓	NOTE 2			277
13	OL15	8	GYM	✓	NOTE 2			277
14	OL15	10	GYM	✓	NOTE 2	✓		277
15	OL15	12	GYM	✓	NOTE 2			277
16	OL15	14	GYM	✓	NOTE 2	✓		277
17	OL15	16	GYM	✓	NOTE 2	✓		277
18	OL15	18	GYM	✓	NOTE 2			277
19	OL15	20	GYM	✓	NOTE 2	✓		277
20	OL15	22	GYM	✓	NOTE 2			277
21	OL15	24	GYM BALCONY	✓	NOTE 2	✓		277

**LIGHTING RELAY PANEL 'LCE15' SCHEDULE**

RELAY	PANEL	CIRCUIT NUMBER IN LIGHTING PNL	DESCRIPTION	LOCAL SWITCH	MASTER SWITCH	PHOTOCELL CONTROL	GROUP MODULE NUMBER	VOLTAGE
1	EL15	2	LOCKER ROOM	✓	NOTE 2			277
2	EL15	4	LOCKER ROOM	✓	NOTE 2			277
3	EL15	6	LOCKER ROOM	✓	NOTE 2			277
4	EL15	8	LOCKER ROOM	✓	NOTE 2			277
5	EL15	10	LOCKER ROOM	✓	NOTE 2			277
6	EL15	12	CORRIDOR	✓	NOTE 2			277
7	EL15	1	GYM	✓	NOTE 2			277
8	EL15	3	GYM	✓	NOTE 2			277
9	EL15	5	GYM	✓	NOTE 2			277
10	EL15	7	CORRIDOR	✓	NOTE 2			277
11	EL15	9	CORRIDOR	✓	NOTE 2			277
12	EL15	11	CORRIDOR	✓	NOTE 2			277
13	EL15	13	CORRIDOR	✓	NOTE 2			277
14	EL15	15	GYM BALCONY	✓	NOTE 2			277
15	EL15	17	STAIR	✓	NOTE 2			277
16	EL15	19	STAIR	✓	NOTE 2			277
17	EL15	21	GYM	✓	NOTE 2			277

ADDENDUM 2



526 Boston Post Road  
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**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

DRAWN BY: BJH  
SCALE: None  
JOB NO: 1308.00  
DATE: 6/11/2015

**SKE-038**

REF DWG: E2.7

LIGHTING RELAY PANEL 'LC11' SCHEDULE								
RELAY	PANEL	CIRCUIT NUMBER IN LIGHTING PNL	DESCRIPTION	LOCAL SWITCH	MASTER SWITCH	PHOTOCELL CONTROL	GROUP MODULE NUMBER	VOLTAGE
1	LP11	1	SITE LIGHTING			✓		277
2	LP11	2	SITE LIGHTING			✓		277
3	LP11	3	SITE LIGHTING			✓		277
4	LP11	13	STAIR	✓	NOTE 2			277
5	LP11	15	STAIR	✓	NOTE 2			277
6	LP11	17	MONUMENTAL STAIR #2	✓	NOTE 2			277
7	LP11	19	CORRIDOR	✓	NOTE 2			277
8	LP11	23	CORRIDOR	✓	NOTE 2			277
9	LP11	25	CORRIDOR	✓	NOTE 2			277
10	LP11	44	DISPLAY CASE	✓	NOTE 2			277
11	LP11	5	TRACK LIGHTING	✓	NOTE 2			277
12	LP11	51	TRACK LIGHTING	✓	NOTE 2			277

LIGHTING RELAY PANEL 'LC12' SCHEDULE								
RELAY	PANEL	CIRCUIT NUMBER IN LIGHTING PNL	DESCRIPTION	LOCAL SWITCH	MASTER SWITCH	PHOTOCELL CONTROL	GROUP MODULE NUMBER	VOLTAGE
1	LP12	2	EXTERIOR SIGN LIGHTING			✓		277
2	LP12	3	CORRIDOR	✓	NOTE 2			277
3	LP12	5	COSMETOLOGY	✓	NOTE 2			277
4	LP12	7	COSMETOLOGY	✓	NOTE 2			277
5	LP12	9	COSMETOLOGY	✓	NOTE 2			277
6	LP12	11	COSMETOLOGY	✓	NOTE 2			277
7	LP12	13	COSMETOLOGY	✓	NOTE 2			277
8	LP12	15	COSMETOLOGY	✓	NOTE 2			277
9	LP12	17	COSMETOLOGY	✓	NOTE 2			277
10	PP12	17	COSMETOLOGY	✓	NOTE 2			120
11	PP12	19	COSMETOLOGY	✓	NOTE 2			120
12	PP12	68	COSMETOLOGY	✓	NOTE 2			120
13	LP12	37	DISPLAY CASE	✓	NOTE 2			277

LIGHTING RELAY PANEL 'LC14A' SCHEDULE									
RELAY	PANEL	CIRCUIT NUMBER IN LIGHTING PNL	DESCRIPTION	LOCAL SWITCH	MASTER SWITCH	PHOTOCELL CONTROL	GROUP MODULE NUMBER	VOLTAGE	
1	LP14	1	SITE LIGHTING			✓		277	
2	LP14	2	SITE LIGHTING			✓		277	
3	LP14	3	SITE LIGHTING			✓		277	
4	LP14	4	SITE LIGHTING			✓		277	
5	LP14	5	SITE LIGHTING			✓		277	
6	LP14	6	SITE LIGHTING			✓		277	
7	LP14	7	SITE LIGHTING			✓		277	
8	LP14	8	SITE LIGHTING			✓		277	
9	LP14	9	SITE LIGHTING			✓		277	
10	LP14	10	SITE LIGHTING			✓		277	
11	LP14	12	BLDG SITE LIGHTING			✓		277	
12	LP14	13	SITE LIGHTING			✓		277	
13	LP14	56	SITE LIGHTING			✓		277	
14	LP14	17	MONUMENTAL STAIR #1	✓	NOTE 2			277	
15	LP14	19	MEDIA CENTER	✓	NOTE 2	✓		277	
16	LP14	21	MEDIA CENTER	✓	NOTE 2			277	
17	LP14	23	MEDIA CENTER	✓	NOTE 2			277	
18	LP14	25	MEDIA CENTER	✓	NOTE 2			277	
19	LP14	27	MEDIA CENTER	✓	NOTE 2			277	
20	LP14	29	MEDIA CENTER	✓	NOTE 2	✓		277	
21	LP14	79	MEDIA CENTER	✓	NOTE 2			277	
22	LP14	64	MEDIA CENTER	✓	NOTE 2			277	
23	LP14	16	EARLY EDUCATION	✓	NOTE 2			277	
24	LP14	18	EARLY EDUCATION	✓	NOTE 2			277	
25	LP14	20	EARLY EDUCATION	✓	NOTE 2			277	
26	LP14	22	EARLY EDUCATION	✓	NOTE 2			277	
27	LP14	55	ADMIN	✓	NOTE 2			277	
28	LP14	57	NURSE	✓	NOTE 2			277	
29	LP14	59	NURSE	✓	NOTE 2			277	
30	LP14	63	CORRIDOR	✓	NOTE 2			277	

LIGHTING RELAY PANEL 'LC14B' SCHEDULE								
RELAY	PANEL	CIRCUIT NUMBER IN LIGHTING PNL	DESCRIPTION	LOCAL SWITCH	MASTER SWITCH	PHOTOCELL CONTROL	GROUP MODULE NUMBER	VOLTAGE
1	LP14	65	CORRIDOR	✓	NOTE 2			277
2	LP14	67	CORRIDOR	✓	NOTE 2			277
3	LP14	69	STAIR	✓	NOTE 2			277
4	LP14	71	MAIN LOBBY	✓	NOTE 2			277
5	LP14	73	CULINARY CAFE	✓	NOTE 2			277
6	LP14	75	CORRIDOR	✓	NOTE 2			277
7	-	-	-	-	-			-
8	PP14	23	CULINARY DINING	✓	NOTE 2			120
9	PP14	27	CULINARY DINING	✓	NOTE 2			120
10	PP14	31	CULINARY DINING	✓	NOTE 2			120
11	PP14	33	CULINARY DINING	✓	NOTE 2			120
12	PP14	35	CULINARY DINING	✓	NOTE 2			120
13	PP14	47	CULINARY DINING	✓	NOTE 2			120
14	PP14	74	DISPLAY CASE	✓	NOTE 2			120
15	PP14	76	DISPLAY CASE	✓	NOTE 2			120
16	LP14	60	DISPLAY CASE	✓	NOTE 2			277
17	LP14	62	DISPLAY CASE	✓	NOTE 2			277
18	LP14	66	GUIDANCE SUITE	✓	NOTE 2			277
19	LP14	68	MEDIA CENTER	✓	NOTE 2			277

ADDENDUM 2

**Existing Domestic Water Building**

*System Outputs*

	Control Unit Annunciation										Notification			Required Fire Safety Control	Supplementary
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
Actuate common alarm signal indicator															
Actuate audible alarm signal															
Actuate common supervisory signal indicator															
Actuate audible supervisory signal															
Actuate common trouble signal indicator															
Actuate audible common trouble signal															
Actuate alarm indicator															
Actuate evacuation signals															
Display/print change of status															
Transmit fire alarm signal to supervising station															
Transmit supervisory signal to supervising station															
Transmit trouble signal to supervising station															
Unlock exits															
Actuate exterior strobe															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1 Manual Fire Alarm Boxes	●	●												
2 Heat Detectors	●	●												
3 Fire Alarm AC Power Failure					●	●								
4 Fire Alarm System Low Battery					●	●								
5 Open Circuit					●	●								
6 Ground Fault					●	●								
7 Notification Appliance Short					●	●								

**Existing Fire Pump House**

*System Outputs*

	Control Unit Annunciation										Notification			Required Fire Safety Control	Supplementary
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
Actuate common alarm signal indicator															
Actuate audible alarm signal															
Actuate common supervisory signal indicator															
Actuate audible supervisory signal															
Actuate common trouble signal indicator															
Actuate audible common trouble signal															
Actuate alarm indicator															
Actuate evacuation signals															
Display/print change of status															
Transmit fire alarm signal to supervising station															
Transmit supervisory signal to supervising station															
Transmit trouble signal to supervising station															
Unlock exits															
Actuate exterior strobe															

*System Inputs*

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1 Manual Fire Alarm Boxes	●	●												
2 Heat Detectors	●	●												
3 Waterflow	●	●												
4 Sprinkler Control Valve					●	●								
5 Fire Pump Running	●	●												
6 Fire Pump Power Failure					●	●								
7 Fire Alarm AC Power Failure					●	●								
8 Fire Alarm System Low Battery					●	●								
9 Open Circuit					●	●								
10 Ground Fault					●	●								
11 Notification Appliance Short					●	●								

**EXISTING WWTF**

*System Outputs*

	Control Unit Annunciation										Notification			Required Fire Safety Control	Supplementary
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
Actuate common alarm signal indicator															
Actuate audible alarm signal															
Actuate common supervisory signal indicator															
Actuate audible supervisory signal															
Actuate common trouble signal indicator															
Actuate audible common trouble signal															
Actuate alarm indicator															
Actuate evacuation signals															
Display/print change of status															
Transmit fire alarm signal to supervising station															
Transmit supervisory signal to supervising station															
Transmit trouble signal to supervising station															
Unlock exits															
Actuate exterior strobe															

*System Inputs*

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1 Manual Fire Alarm Boxes	●	●												
2 Smoke Detectors	●	●												
3 In-duct Smoke Detector	●	●												
4 Heat Detectors	●	●												
5 Fire Alarm AC Power Failure					●	●								
6 Fire Alarm System Low Battery					●	●								
7 Open Circuit					●	●								
8 Ground Fault					●	●								
9 Notification Appliance Circuit Short					●	●								
10 Carbon Monoxide Detectors	●	●												

**NEW WWTF**

*System Outputs*

	Control Unit Annunciation										Notification			Required Fire Safety Control	Supplementary
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
Actuate common alarm signal indicator															
Actuate audible alarm signal															
Actuate common supervisory signal indicator															
Actuate audible supervisory signal															
Actuate common trouble signal indicator															
Actuate audible common trouble signal															
Actuate alarm indicator															
Actuate evacuation signals															
Display/print change of status															
Transmit fire alarm signal to supervising station															
Transmit supervisory signal to supervising station															
Transmit trouble signal to supervising station															
Unlock exits															
Actuate exterior strobe															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1 Manual Fire Alarm Boxes	●	●												
2 Smoke Detectors	●	●												
3 In-duct Smoke Detector	●	●												
4 Heat Detectors	●	●												
5 Fire Alarm AC Power Failure					●	●								
6 Fire Alarm System Low Battery					●	●								
7 Open Circuit					●	●								
8 Ground Fault					●	●								
9 Notification Appliance Circuit Short					●	●								
10 Carbon Monoxide Detectors	●	●												
11 Generator Running														

**SCHOOL**

*System Outputs*

	Control Unit Annunciation										Notification			Required Safety Control	Supplementary
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
Actuate common alarm signal indicator															
Actuate audible alarm signal															
Actuate common supervisory signal indicator															
Actuate audible supervisory signal															
Actuate common trouble signal indicator															
Actuate audible common trouble signal															
Actuate alarm indicator															
Actuate evacuation signals															
Display/print change of status															
Transmit fire alarm signal to supervising station															
Transmit supervisory signal to supervising station															
Transmit trouble signal to supervising station															
Release magnetically held smoke doors															
Recall elevators to primary recall floor															
Recall elevators to alternate recall floor															
Close smoke/fire dampers in rated walls															
Unlock exits															
Actuate exterior strobe at main entrance															
Shutoff Auditorium, Gymnasium, Student Dining, PE Alternatives & Lecture Hall Sound Systems															
Turn on Auditorium & Lecture Hall Dining Lighting to full bright															
Shutoff Discharge Light															
Open Elevator Dampers															

*System Inputs*

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1 Manual Fire Alarm Boxes	●	●												
2 Smoke Detectors	●	●												
3 Smoke Detectors - 1st Floor Elev. Lobby	●	●												
4 In-duct Smoke Detector	●	●												
5 Heat Detectors	●	●												
6 Waterflow	●	●												
7 Sprinkler Control Valve					●	●								



PANELBOARD: **LP11** **350 A, 480Y/277 V, 3 PH, 4 W, 60 HZ**

AIC: 100,000 MAIN LUG ONLY  MAIN CIRCUIT BREAKER  NOTES: LC = VIA LIGHTING CONTROL PANEL SHUNT TRIP MAIN 200% RATED NEUTRAL ISOLATED GROUND FEED THRU LUGS 100% RATED MAIN BREAKER GROUND FAULT MAIN C.B.

BUS RATING: 400A FLUSH MOUNTED  SURFACE MOUNTED  NOTES: LC = VIA LIGHTING CONTROL PANEL SHUNT TRIP MAIN 200% RATED NEUTRAL ISOLATED GROUND FEED THRU LUGS 100% RATED MAIN BREAKER GROUND FAULT MAIN C.B.

CKT No.	LOAD	Note	WIRE SIZE	CIRCUIT BREAKERS								CKT No.	LOAD	Note	WIRE SIZE	CIRCUIT BREAKERS							
				20/1	20/3	BBB	CCC	DDD	EEE	125/3	175/3					20/1	20/3	BBB	CCC	DDD	EEE	125/3	175/3
1	SITE LIGHTING	LC	8								2	SITE LIGHTING	LC	8									
3	SITE LIGHTING	LC	8								4	SPARE											
5	TRACK LIGHTING	LC	12								6	LIGHTING		12									
7	LIGHTING		12								8	LIGHTING		12									
9	LIGHTING		12								10	LIGHTING		12									
11	LIGHTING		12								12												
13	STAIR LIGHTING	LC	12								14	EF-4		12									
15	STAIR LIGHTING	LC	12								16												
17	MONUM STAIR 2 LTG	LC	12								18												
19	CORR LIGHTING	LC	12								20	EF-6		12									
21	LIGHTING		12								22												

PANELBOARD: **LHT** **250 A, 480Y/277 V, 3 PH, 4 W, 60 HZ**

AIC: 100,000 MAIN LUG ONLY  MAIN CIRCUIT BREAKER  NOTES: LC = VIA LIGHTING CONTROL PANEL SHUNT TRIP MAIN 200% RATED NEUTRAL ISOLATED GROUND FEED THRU LUGS 100% RATED MAIN BREAKER GROUND FAULT MAIN C.B.

ALTERNATE NO. 2 BUS RATING: 400A FLUSH MOUNTED  SURFACE MOUNTED  NOTES: LC = VIA LIGHTING CONTROL PANEL SHUNT TRIP MAIN 200% RATED NEUTRAL ISOLATED GROUND FEED THRU LUGS 100% RATED MAIN BREAKER GROUND FAULT MAIN C.B.

CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER								CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER							
				20/1	20/3	BBB	CCC	DDD	EEE	FFF	125/3					20/1	20/3	BBB	CCC	DDD	EEE	FFF	125/3
1	LIGHTING		12								2												
3	LIGHTING		12								4	ECUH-1		12									
5	SPARE										6												
7	EXTERIOR LIGHTING		12								8												
9											10	ECUH-1		12									
11	ECUH-1		12								12												
13											14												
15											16	ECUH-1		12									
17	ECUH-1		12								18												
19											20												
21											22	EUH-1		12									
23	ECUH-1		12								24												
25											26												
27											28	EF-45		12									
29	EXISTING FOOTBALL FIELD WELL PUMP	SEE RISER									30												
31											32												
33											34	EUH-1		12									
35	FIH-1		12								36												

PANELBOARD: **LP14** **300 A, 480Y/277 V, 3 PH, 4 W, 60 HZ**

AIC: 100,000 MAIN LUG ONLY  MAIN CIRCUIT BREAKER  NOTES: LC = VIA LIGHTING CONTROL PANEL SHUNT TRIP MAIN 200% RATED NEUTRAL ISOLATED GROUND FEED THRU LUGS 100% RATED MAIN BREAKER GROUND FAULT MAIN C.B.

BUS RATING: 400A FLUSH MOUNTED  SURFACE MOUNTED  NOTES: LC = VIA LIGHTING CONTROL PANEL SHUNT TRIP MAIN 200% RATED NEUTRAL ISOLATED GROUND FEED THRU LUGS 100% RATED MAIN BREAKER GROUND FAULT MAIN C.B.

CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER								CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BR							
				20/1	20/3	BBB	CCC	DDD	EEE	70/3	125/3					20/1	20/3	BBB	CCC	DDD			
61	LIGHTING		12								62	DISPER CASE LIGHTING		12									
63	CORR LIGHTING	LC	12								64	MEDIA CENTER TUBE LTG		12									
65	LIGHTING	LC	12								66	LIGHTING		12									
67	CORR LIGHTING	LC	12								68	LIGHTING		12									
75	CORR LIGHTING	LC	12								76	SPARE											
77	SPARE										78	SPARE											
79	LIGHTING	LC	12								80	SPARE											

BUJ None  
SCALE: 1308.00  
JOB NO: 1308.00  
DATE: 6/11/2015

DRAWN BY:  
SCALE:  
JOB NO:  
DATE:

PLYMOUTH SOUTH HIGH SCHOOL  
Plymouth, MA

526 Boston Post Road  
Wayland, MA 01778  
TEL: 508.358.0790  
FAX: 508.358.0791



SKE-042 REF DWG: E2.11



AD	AXIS LIGHTING	SOLVL30/708T5H01WUNVD1		277	P	2	54	T5H0	8'-0", ALUMINUM, WHITE FINISH, DIRECT/INDIRECT, 30% UP/70% DOWN, LEVEL AND LOCK ADJUSTABLE 3', WITH TWO 0-10 VOLT DIMMING BALLASTS. FIXTURE PROVIDED WITH CENTER MOUNTED TRANSMISSIVE LENS, AND END CAPS.
AS	AXIS LIGHTING	SOLVL30/708T5H01WUNVB1		277	P	2	54	T5H0	8'-0", ALUMINUM, WHITE FINISH, DIRECT/INDIRECT, 30% UP/70% DOWN, LEVEL AND LOCK ADJUSTABLE 3', WITH TWO BILEVEL DIMMING BALLASTS, FIXTURE PROVIDED WITH CENTER MOUNTED TRANSMISSIVE LENS, AND END CAPS.
A1	AXIS LIGHTING	SOLVL30/704T5H01WUNVERS1		277	P	1	54	T5H0	4'-0", ALUMINUM, WHITE FINISH, DIRECT/INDIRECT, 30% UP/70% DOWN, LEVEL AND LOCK ADJUSTABLE 3', WITH ELECTRONIC BALLAST, FIXTURE PROVIDED WITH CENTER MOUNTED TRANSMISSIVE LENS, AND END CAPS.
A1D	AXIS LIGHTING	SOLVL30/704T5H01WUNVD1		277	P	1	54	T5H0	4'-0", ALUMINUM, WHITE FINISH, DIRECT/INDIRECT, 30% UP/70% DOWN, LEVEL AND LOCK ADJUSTABLE 3', WITH 0-10 VOLT DIMMING BALLAST, FIXTURE PROVIDED WITH CENTER MOUNTED TRANSMISSIVE LENS, AND END CAPS.
A1S	AXIS LIGHTING	SOLVL30/704T5H01WUNVB1		277	P	1	54	T5H0	4'-0", ALUMINUM, WHITE FINISH, DIRECT/INDIRECT, 30% UP/70% DOWN, LEVEL AND LOCK ADJUSTABLE 3', AND BILEVEL DIMMING BALLAST, FIXTURE PROVIDED WITH CENTER MOUNTED TRANSMISSIVE LENS, AND END CAPS.
R	AXIS LIGHTING	BBRW6T51WUNVERS1		277	R	2	21	T5	6'-0", ALUMINUM, WHITE FINISH, GRID, STATIC, OPEN WALL WASHER

									STAIRCASE GOING FROM FIRST FLOOR UP TO THE SECOND
NN	MARK ARCHITECTURAL	S6LR8TGN35AD277HT		277	R	-	48	LED	6" WIDE X 8' LONG RECESSED LINEAR SLOT TYPE LED FIXTURE, 6W PER LINEAR FOOT, 70 LUMENS PER WATT, 3500 DEGREE KELVIN IN COLOR
NN1	MARK ARCHITECTURAL	S6LR4TGN35AD277HT		277	R	-	24	LED	6" WIDE X 4' LONG RECESSED LINEAR SLOT TYPE LED FIXTURE, 6W PER LINEAR FOOT, 70 LUMENS PER WATT, 3500 DEGREE KELVIN IN COLOR
NN2	MARK ARCHITECTURAL	S4LR8TGN35AD277HT		277	R	-	48	LED	4" WIDE X 8' LONG RECESSED LINEAR SLOT TYPE LED FIXTURE, 6W PER LINEAR FOOT, 70 LUMENS PER WATT, 3500 DEGREE KELVIN IN COLOR
NN3	MARK ARCHITECTURAL	S4LR4TGN35AD277HT		277	R	-	24	LED	4" WIDE X 4' LONG RECESSED LINEAR SLOT TYPE LED FIXTURE, 6W PER LINEAR FOOT, 70 LUMENS PER WATT, 3500 DEGREE KELVIN IN COLOR
NN4	LBL LIGHTING	HS463CBALEDS830MPT		120	P	-	8	LED	14" HIGH, 3" DIAMETER DECORATIVE MONOPOINT LIGHTING FIXTURE, WITH FIELD CUTTABLE SUSPENSION CABLE, FROSTED GLASS, AND 24 VOLT TRANSFORMER. MOUNT TRANSFORMER ABOVE SUSPENDED CEILING. FINISH/COLOR BY ARCHITECT
NN5	MARK ARCHITECTURAL	S6LR4TGN35AD277HT		277	R	-	36	LED	6" WIDE X 6' LONG RECESSED LINEAR SLOT TYPE LED FIXTURE, 6W PER LINEAR FOOT, 70 LUMENS PER WATT, 3500 DEGREE KELVIN IN COLOR
PP4	FOCAL POINT LIGHTING	FSM2LFL125LF35K1C277LD1WH4		277	R	-	8	LED	2" WIDE X 4' LONG LINEAR SLOT WHITE LIGHTING FIXTURE WITH FLUSH SATIN LENS, 125 LUMENS PER FOOT, 3500 DEGREE KELVIN IN COLOR.
PP8	FOCAL POINT LIGHTING	FSM2LFL125LF35K1C277LD1WH8		277	R	-	16	LED	2" WIDE X 8' LONG LINEAR SLOT WHITE LIGHTING FIXTURE WITH FLUSH SATIN LENS, 125 LUMENS PER FOOT, 3500 DEGREE KELVIN IN COLOR.
PP10	FOCAL POINT LIGHTING	FSM2LFL125LF35K1C277LD1WH10		277	R	-	20	LED	2" WIDE X 10' LONG LINEAR SLOT WHITE LIGHTING FIXTURE WITH FLUSH SATIN LENS, 125 LUMENS PER FOOT, 3500 DEGREE KELVIN IN COLOR.
PP12	FOCAL POINT LIGHTING	FSM2LFL125LF35K1C277LD1WH12		277	R	-	24	LED	2" WIDE X 12' LONG LINEAR SLOT WHITE LIGHTING FIXTURE WITH FLUSH SATIN LENS, 125 LUMENS PER FOOT, 3500 DEGREE KELVIN IN COLOR.
PP16	FOCAL POINT LIGHTING	FSM2LFL125LF35K1C277LD1WH16		277	R	-	32	LED	2" WIDE X 16' LONG LINEAR SLOT WHITE LIGHTING FIXTURE WITH FLUSH SATIN LENS, 125 LUMENS PER FOOT, 3500 DEGREE KELVIN IN COLOR.

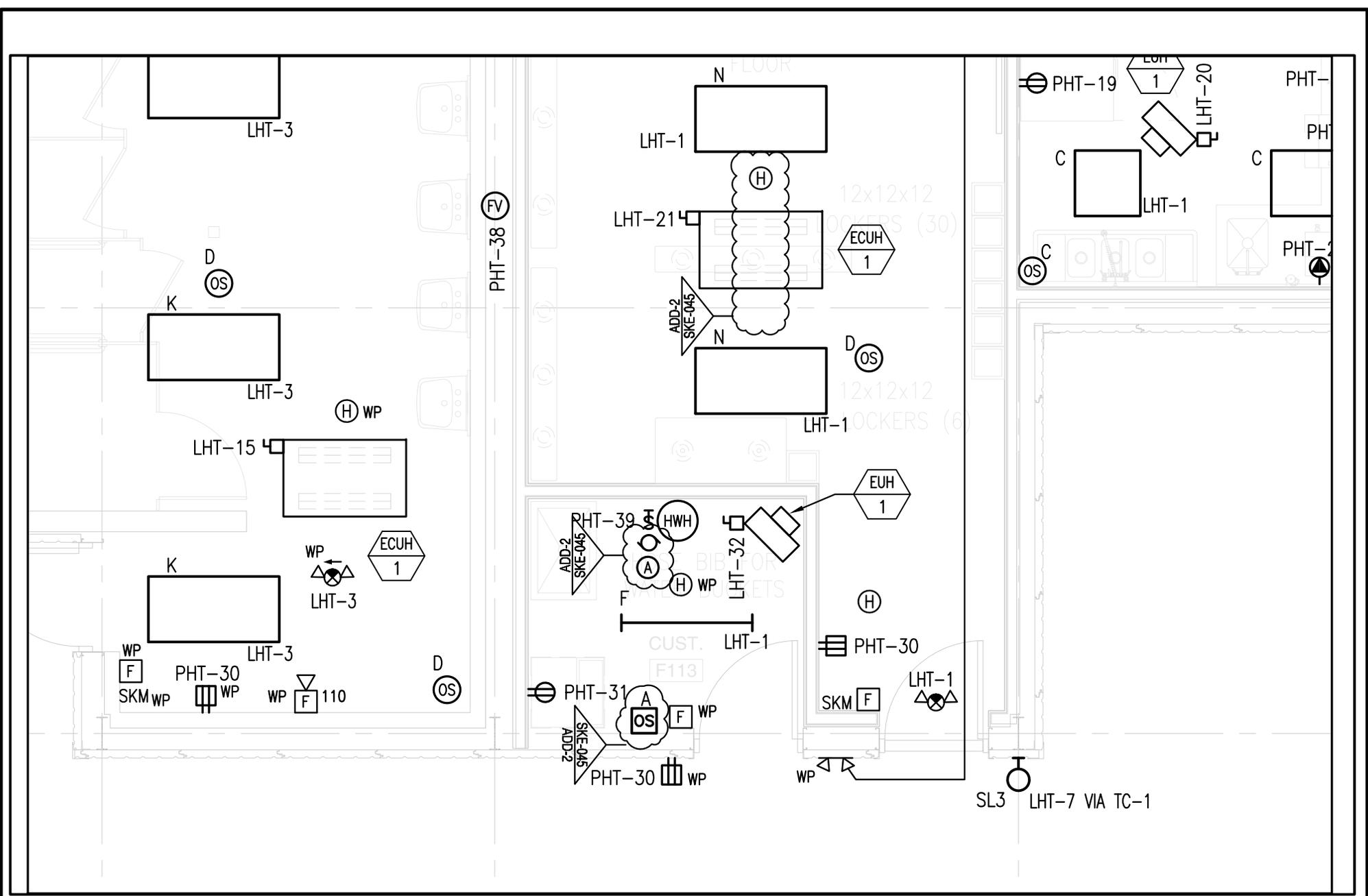


526 Boston Post Road  
Wayland, MA 01778  
TEL. 508.358.0790  
FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH	<b>SKE-044</b>
SCALE:	None	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:	E0.2	



ADDENDUM 2



526 Boston Post Road  
Wayland, MA 01778  
TEL. 508.358.0790  
FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH
SCALE:	1/4"=1'-0"
JOB NO:	1308.00
DATE:	6/11/2015

SKE-045	REF DWG:	ES.8
---------	----------	------

**SK4a** KEYED FOUR WAY SWITCH MOUNTED AT 48" A.F.F TO CENTER. SUBSCRIPT INDICATES LIGHT FIXTURE CONTROL.

**SDa** INCANDESCENT DIMMER SWITCH MOUNTED AT 48" A.F.F TO CENTER. SUBSCRIPT INDICATES LIGHT FIXTURE CONTROL.

**SD3a** INCANDESCENT THREE WAY DIMMER SWITCH MOUNTED AT 48" A.F.F TO CENTER. SUBSCRIPT INDICATES LIGHT FIXTURE CONTROL.

**SFDa** LED DIMMER EQUAL TO WATTSTOPPER #DCLV1 MOUNTED AT 48" A.F.F TO CENTER. SUBSCRIPT INDICATES LIGHT FIXTURE CONTROL.

**SFD3a** FLUORESCENT THREE WAY DIMMER SWITCH MOUNTED AT 48" A.F.F TO CENTER. SUBSCRIPT INDICATES LIGHT FIXTURE CONTROL.

**SWP** SINGLE POLE SWITCH WITH WEATHERPROOF COVER MOUNTED AT 48" A.F.F TO CENTER.

SKE-046  
ADD-2

**FAA** FIRE ALARM ANNUNCIATOR PANEL

**F** 

FIRE ALARM COMBINATION SPEAKER/STROBE, AS PER SPEC, MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING WHICHEVER IS LOWER TO LENS. "WP" INDICATES WEATHERPROOF, "WG" INDICATES WITH WIREGUARD. CANDELA RATING SHALL BE 15, UNLESS OTHERWISE NOTED. "8W" DENOTES 8 WATT HIGH AUDIO OUTPUT SPEAKER.

SKE-046  
ADD-2

**F** 

FIRE ALARM STROBE MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING WHICHEVER AT 80" A.F.F. OR 6" BELOW CEILING WHICHEVER IS LOWER TO LENS. "WP" INDICATES WEATHERPROOF, "WG" INDICATES WITH WIREGUARD. CANDELA RATING SHALL BE 15, UNLESS OTHERWISE NOTED.

**F** 

FIRE ALARM COMBINATION SPEAKER/STROBE, AS PER SPEC, MOUNTED ON CEILING "WP" INDICATES WEATHERPROOF, "WG" INDICATES WIREGUARD. CANDELA RATING SHALL BE 15, UNLESS OTHERWISE NOTED. "8W" DENOTES 8 WATT HIGH AUDIO OUTPUT SPEAKER.

SKE-046  
ADD-2

**F** 

FIRE ALARM STROBE MOUNTED ON CEILING "WP" INDICATES WEATHERPROOF, "WG" INDICATES WIREGUARD. CANDELA RATING SHALL BE 15, UNLESS OTHERWISE NOTED.

**F** 

FIRE ALARM BEACON, MOUNTED AT 80" A.F.F. OR FINISHED GRADE TO CENTER.

ADDENDUM 2



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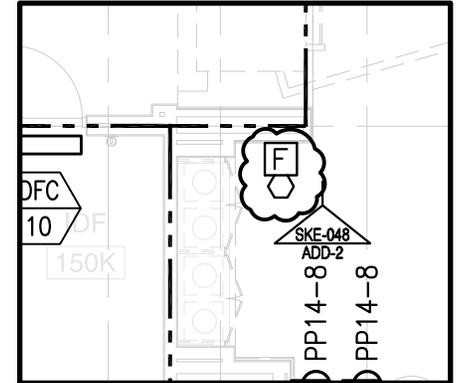
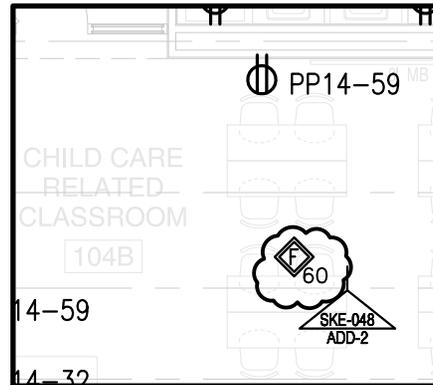
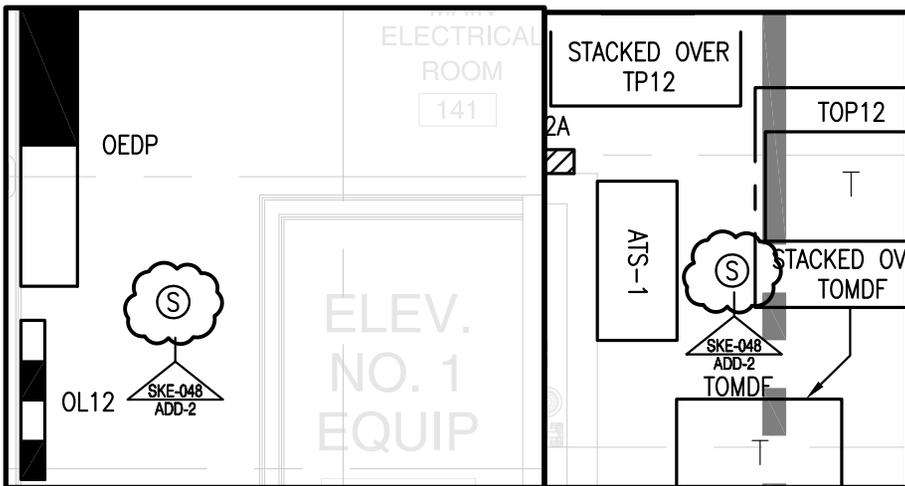
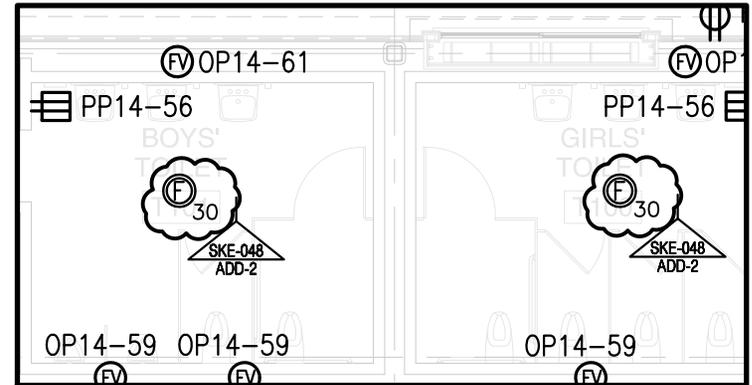
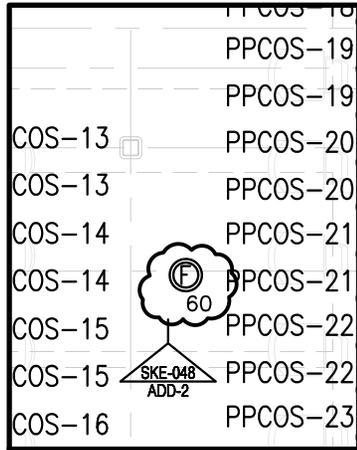
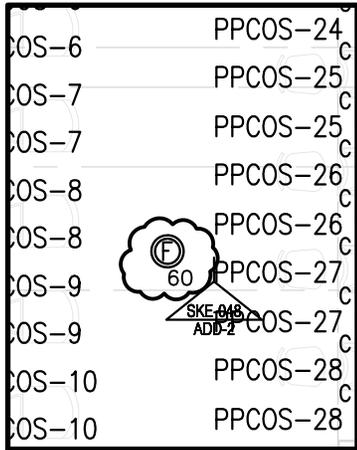
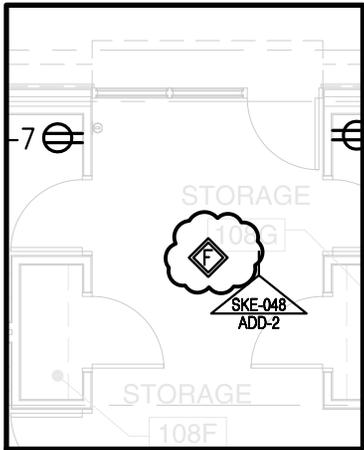
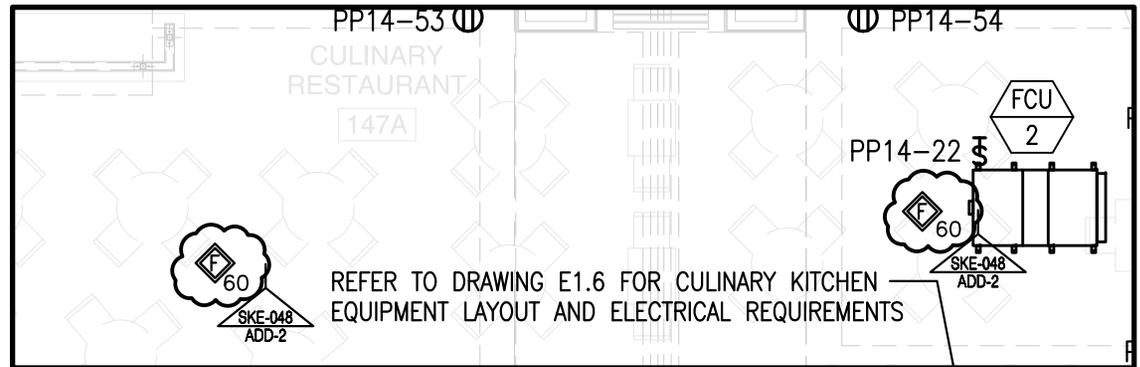
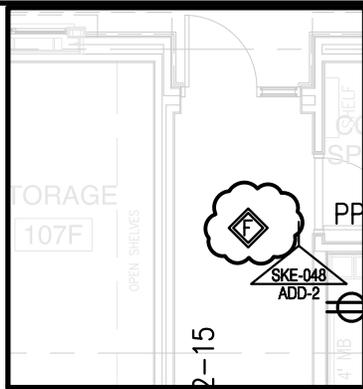
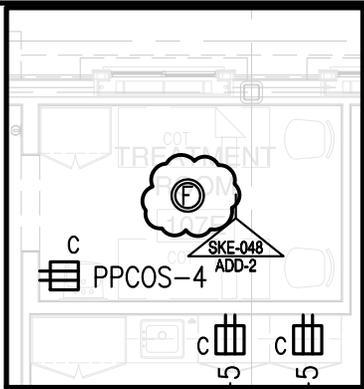
# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: None  
JOB NO: 1308.00  
DATE: 6/11/2015

SKE-046  
REF DWG: E0.1





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

ADDENDUM 2



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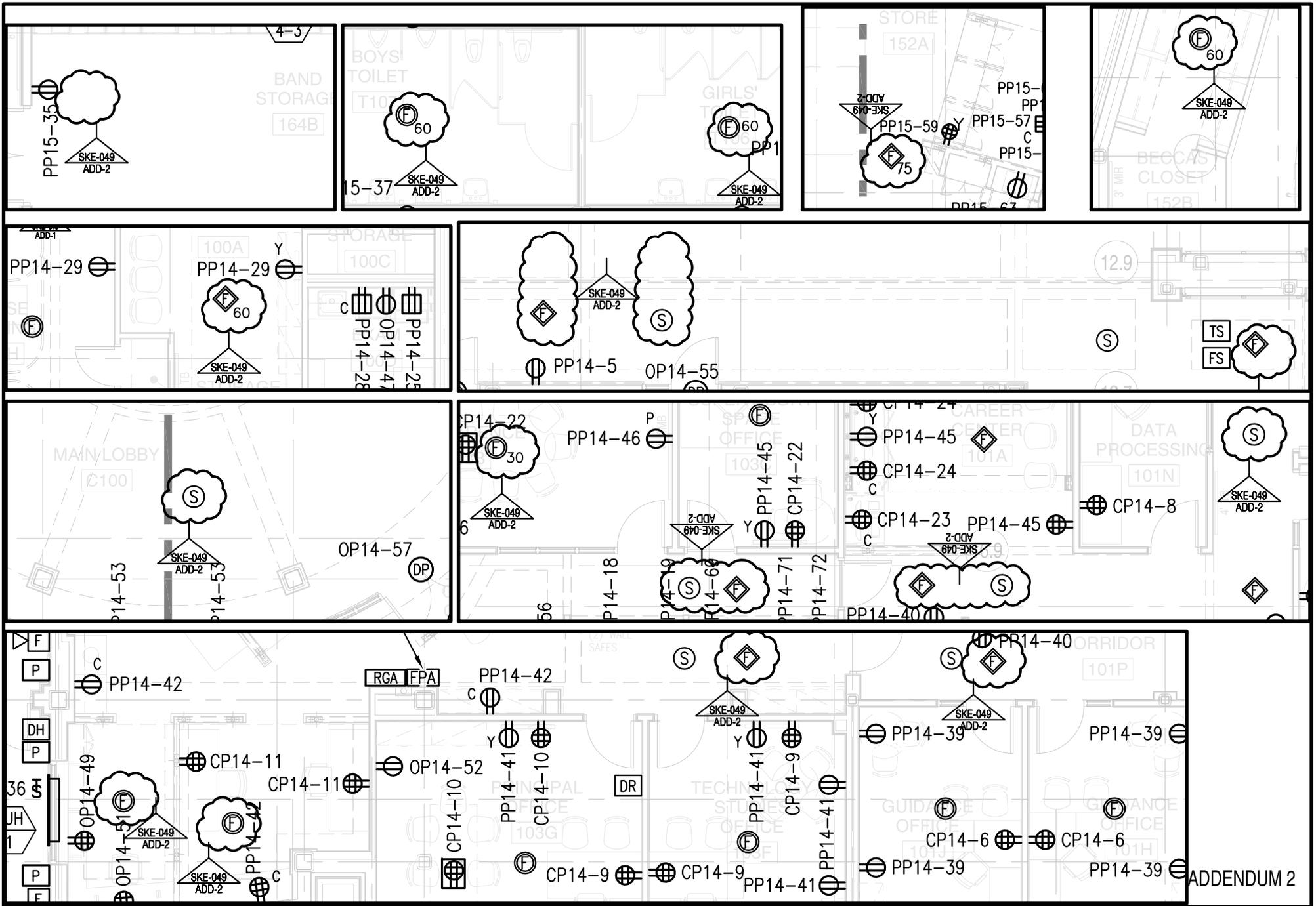
# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0" U.O.N.  
JOB NO: 1308.00  
DATE: 6/11/2015

SKE-048

REF DWG: E1.12P/E1.13P/E1.14P



ADDENDUM 2



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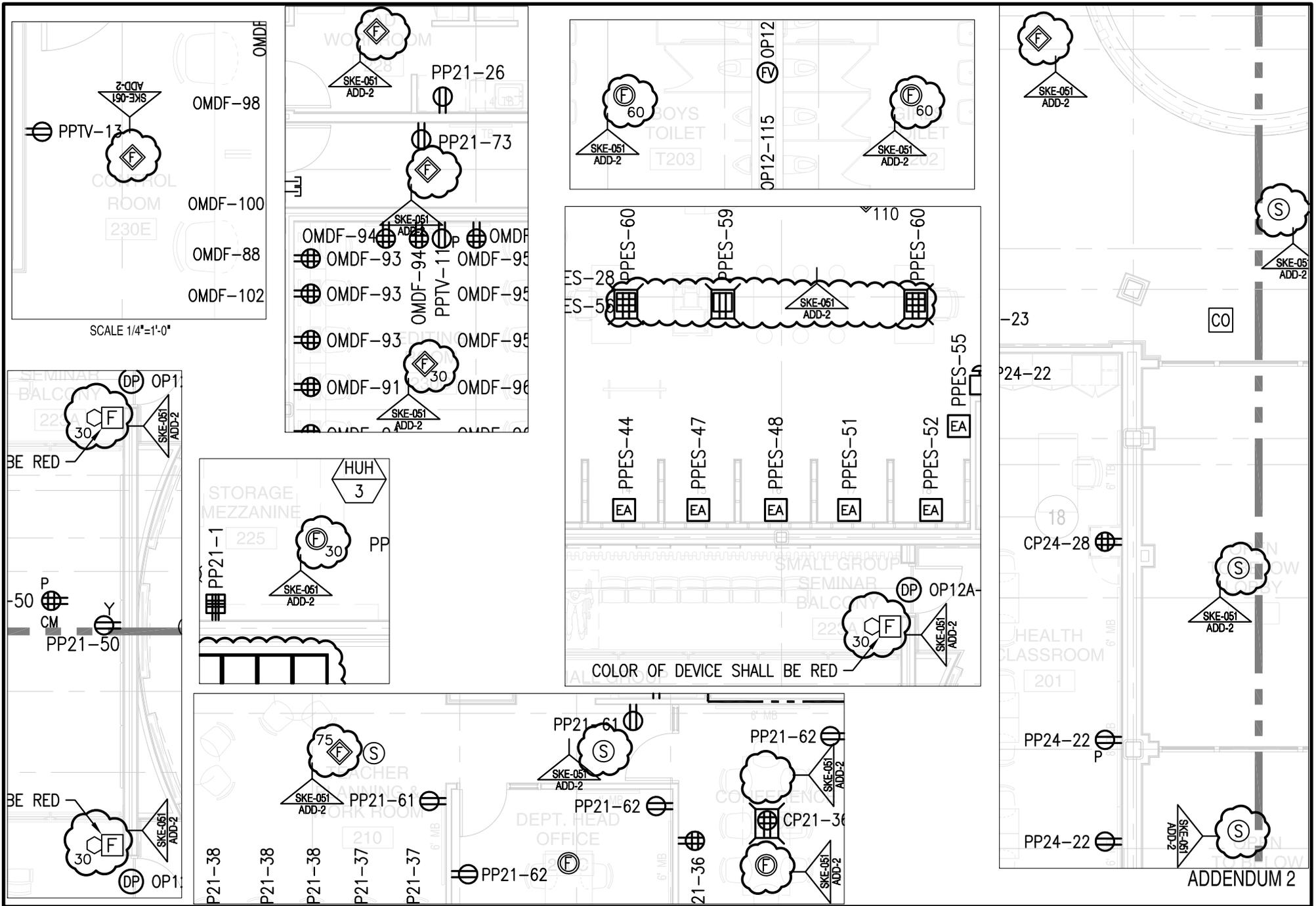
# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

**SKE-049**  
REF DWG: E1.14P/E1.15F





ADDENDUM 2



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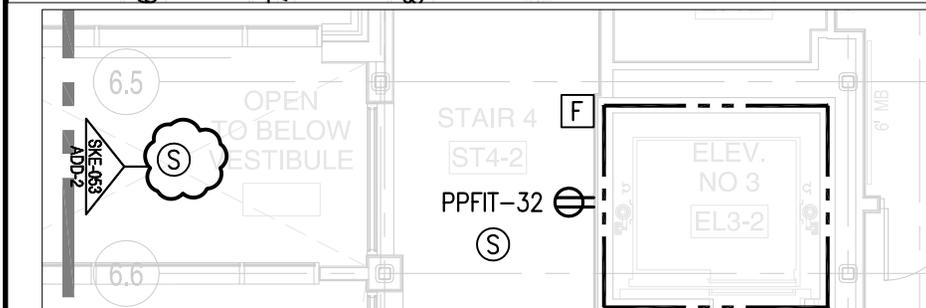
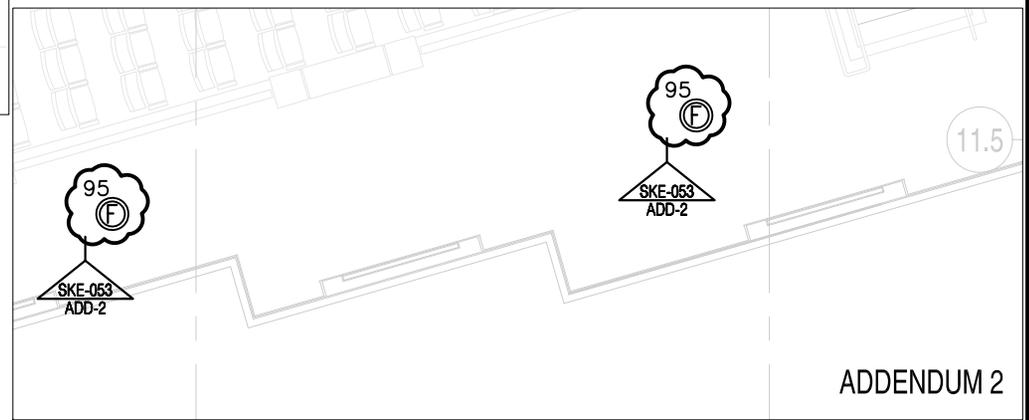
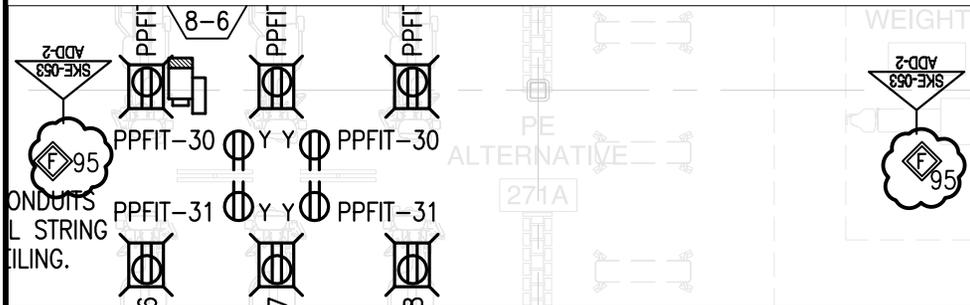
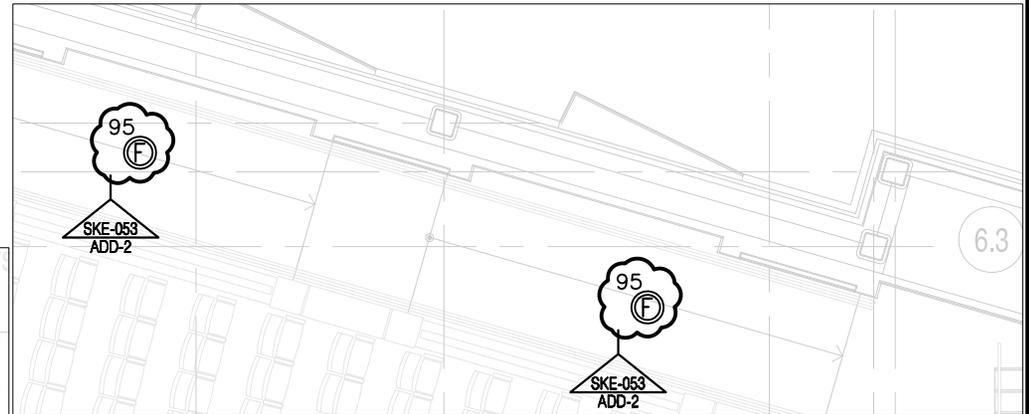
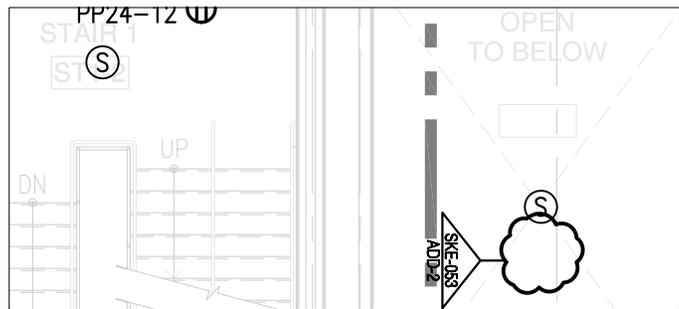
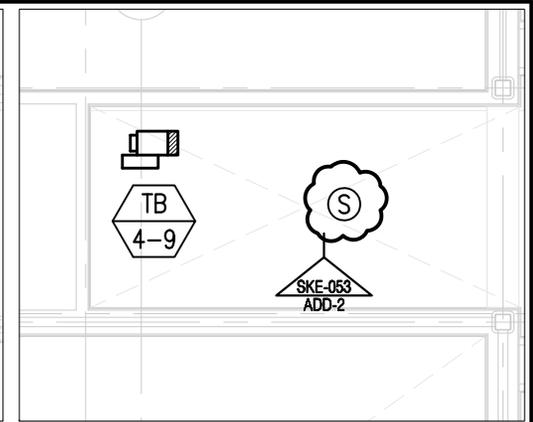
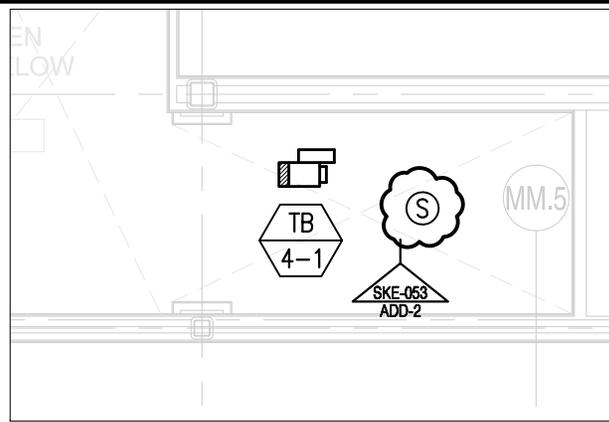
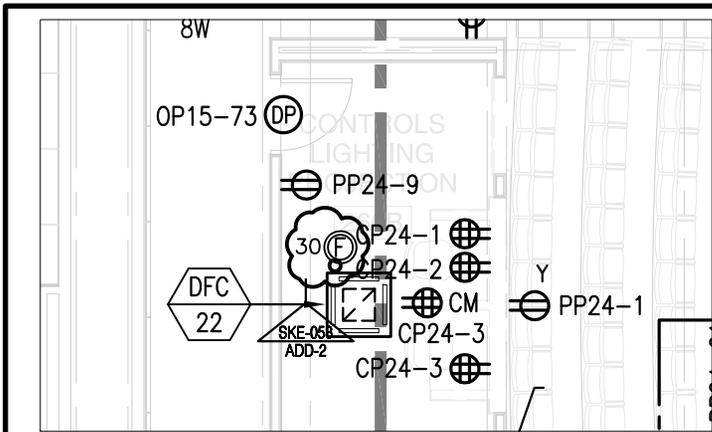
# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0" U.O.N.  
JOB NO: 1308.00  
DATE: 6/11/2015

**SKE-051**  
REF DWG: E1.21P/E1.22P/E1.23P





ADDENDUM 2



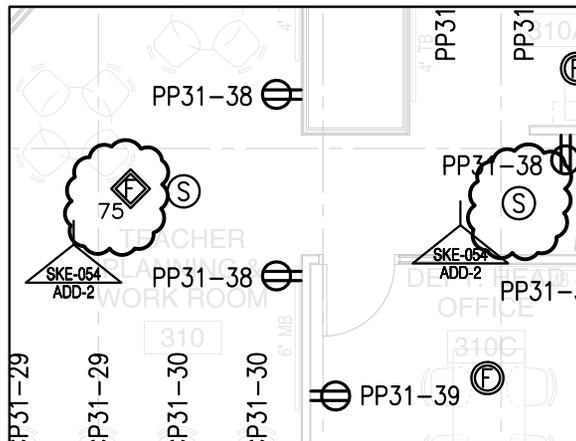
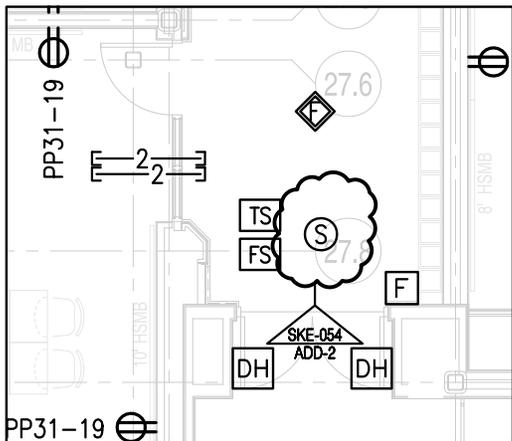
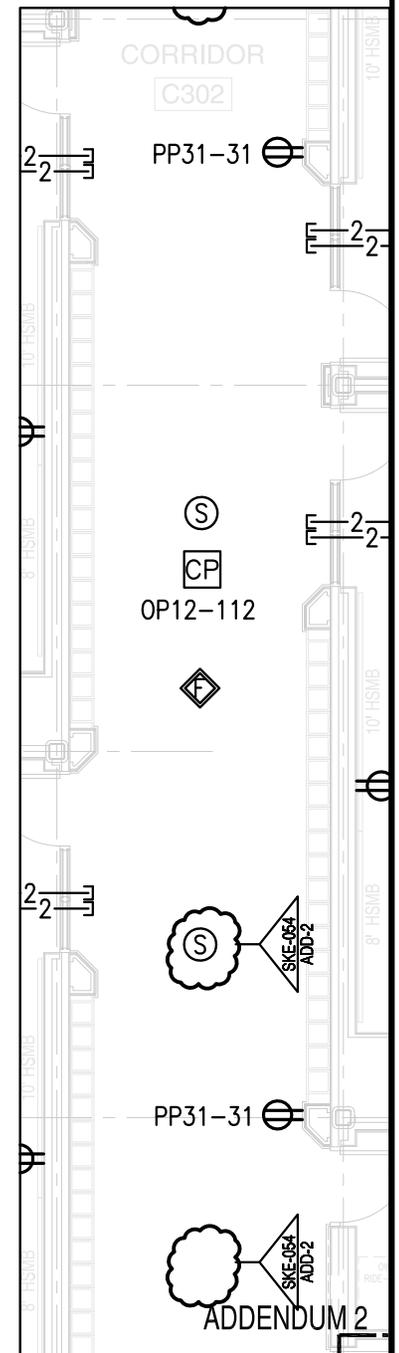
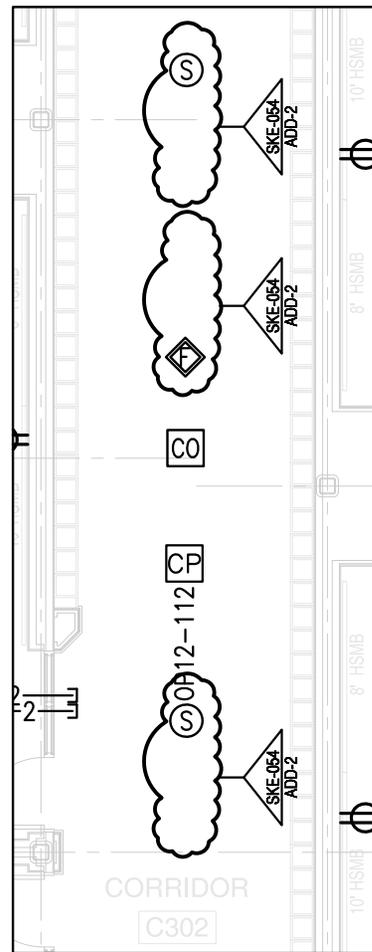
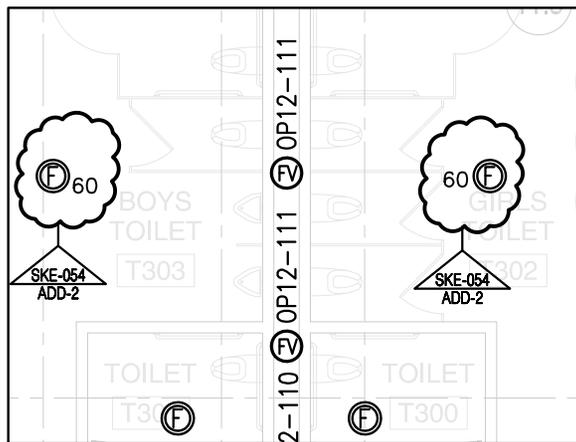
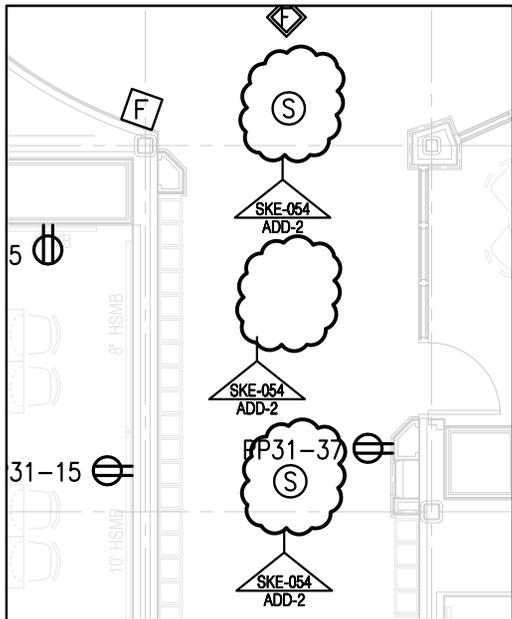
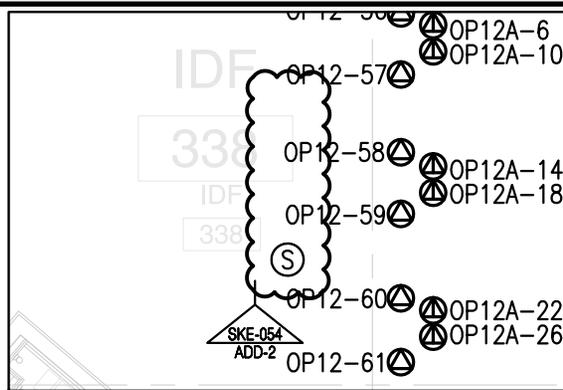
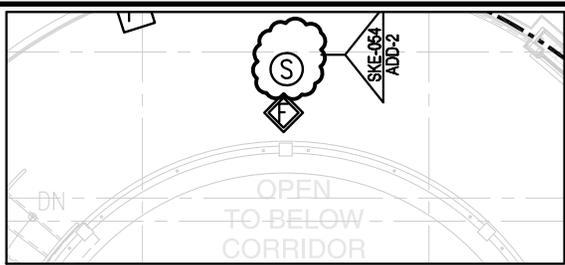
526 Boston Post Road  
Wayland, MA 01778  
TEL. 508.358.0790  
FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

**SKE-053**  
REF DWG: E1.25P/E1.26P



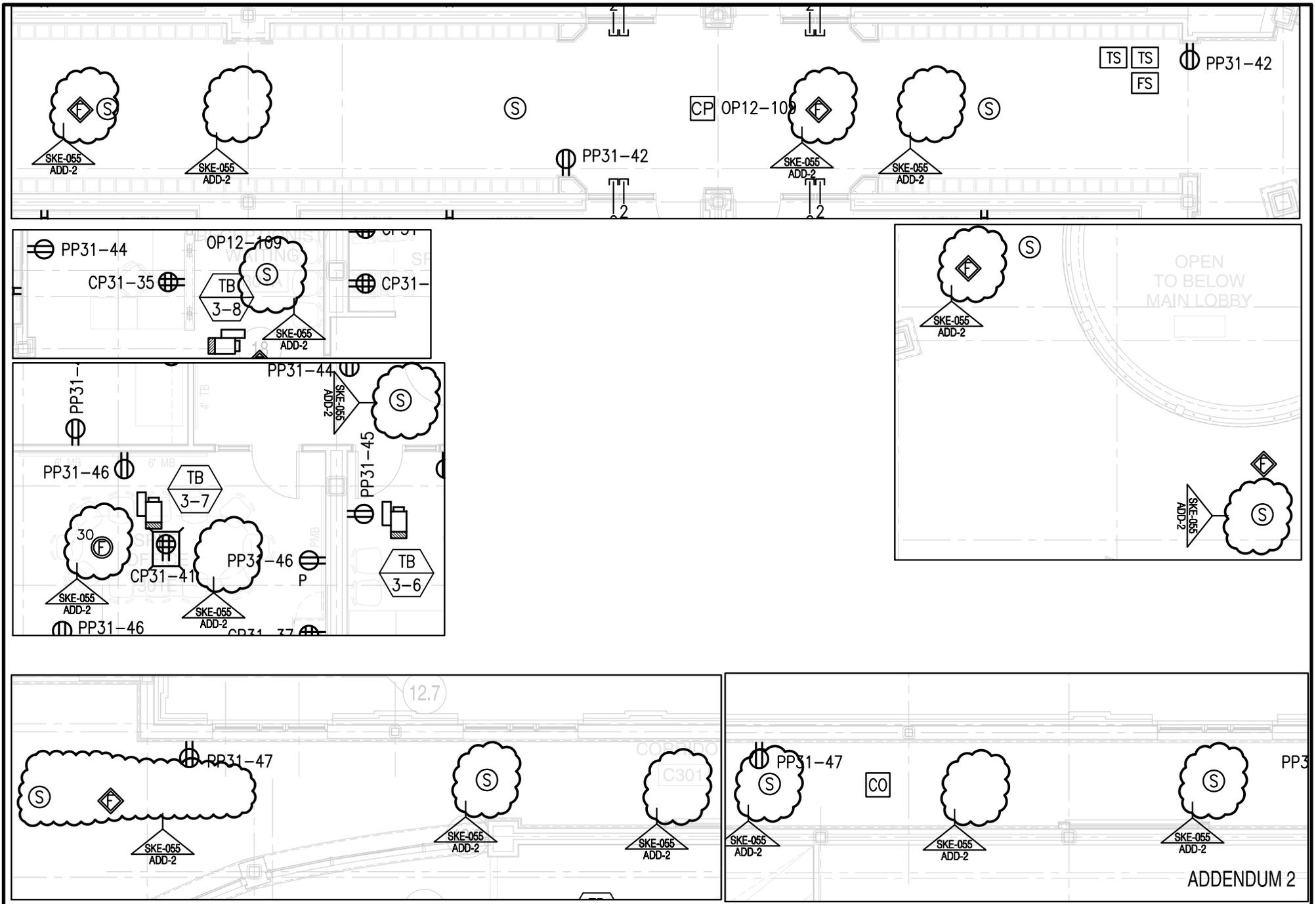
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Wayland, MA 01778  
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FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

**SKE-054**  
REF DWG: E1.31P/E1.32P

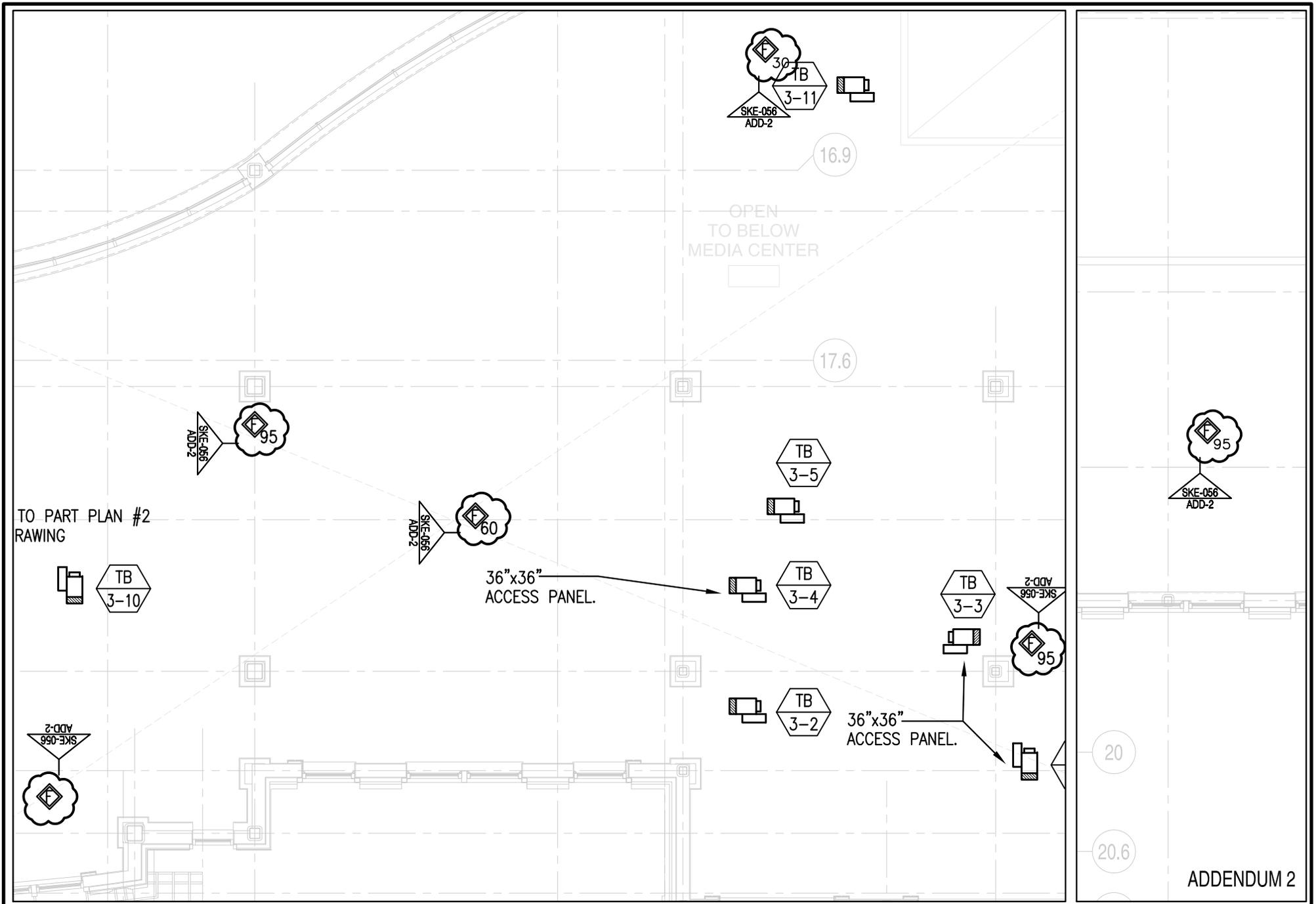


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH	<b>SKE-055</b>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:		E1.33P/E1.34P



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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH	<b>SKE-056</b> REF DWG: E1.34P
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	

EQUIPMENT SPECIFICATIONS AND DRAWINGS.

3. ELECTRICAL CONTRACTOR SHALL REFER TO DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT SPECIFICATIONS AND DRAWINGS FOR DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT OUTLET MOUNTING HEIGHTS.

4. IF THERE ARE DISCREPANCIES BETWEEN THE ELECTRICAL DRAWINGS AND SPECIFICATIONS AND THE DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT DRAWINGS AND SPECIFICATIONS, THE DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT DRAWINGS AND SPECIFICATIONS SHALL GOVERN.

5. ELECTRICAL CONTRACTOR SHALL REFER TO DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT SPECIFICATIONS AND DRAWINGS AND PROVIDE, FURNISH, AND/OR INSTALL EQUIPMENT AS INDICATED IN SPECIFICATIONS AND DRAWINGS AND DIVISION OF RESPONSIBILITY MATRIX ON THIS DRAWING.

6. WHERE ELECTRICAL DRAWINGS INDICATE A FLOOR BOX OR A FIRE RATED POKE THRU, ELECTRICAL CONTRACTOR SHALL REFER TO DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT SPECIFICATIONS AND DRAWINGS TO DETERMINE DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT OUTLET REQUIREMENTS, TO BE PROVIDED IN FLOOR BOX OR FIRE RATED POKE THRU. FLOOR BOX OR POKE THRU SHALL BE OF SUFFICIENT SIZE TO INCLUDE ALL RECEPTACLE AND DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT OUTLET REQUIREMENTS AT LOCATION.

7. ELECTRICAL CONTRACTOR SHALL REFER TO DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT SPECIFICATIONS AND DRAWINGS FOR GROUNDING. ELECTRICAL CONTRACTOR SHALL PROVIDE GROUNDING AS REQUIRED BY DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT SPECIFICATIONS AND DRAWINGS.

8. DIVISION 11 61 00 THEATRE AND STAGE EQUIPMENT DRAWINGS: TL101, TL102, TL103, TL104, TL105, TL106, TL107, TL108, TL109, TL201, TL501, TL502, TL503, TL504, TL505, TL506, TL507, TR01, TR02, TR03, TR04, TR05 AND TR06.

SKE-057  
ADD-2

9. THE COH, STAGE RACK, AND BOOTH RECEPTACLES SHALL ALL BE CIRCUITED TO THE SAME PHASE B OF THE PANELBOARD WHICH THEY ARE BEING CIRCUITED TO. THEATER RACK SHOULD BE CIRCUITED TO PHASE A OF THE PANELBOARD WHICH IT IS BEING CIRCUITED TO.

ADDENDUM 2



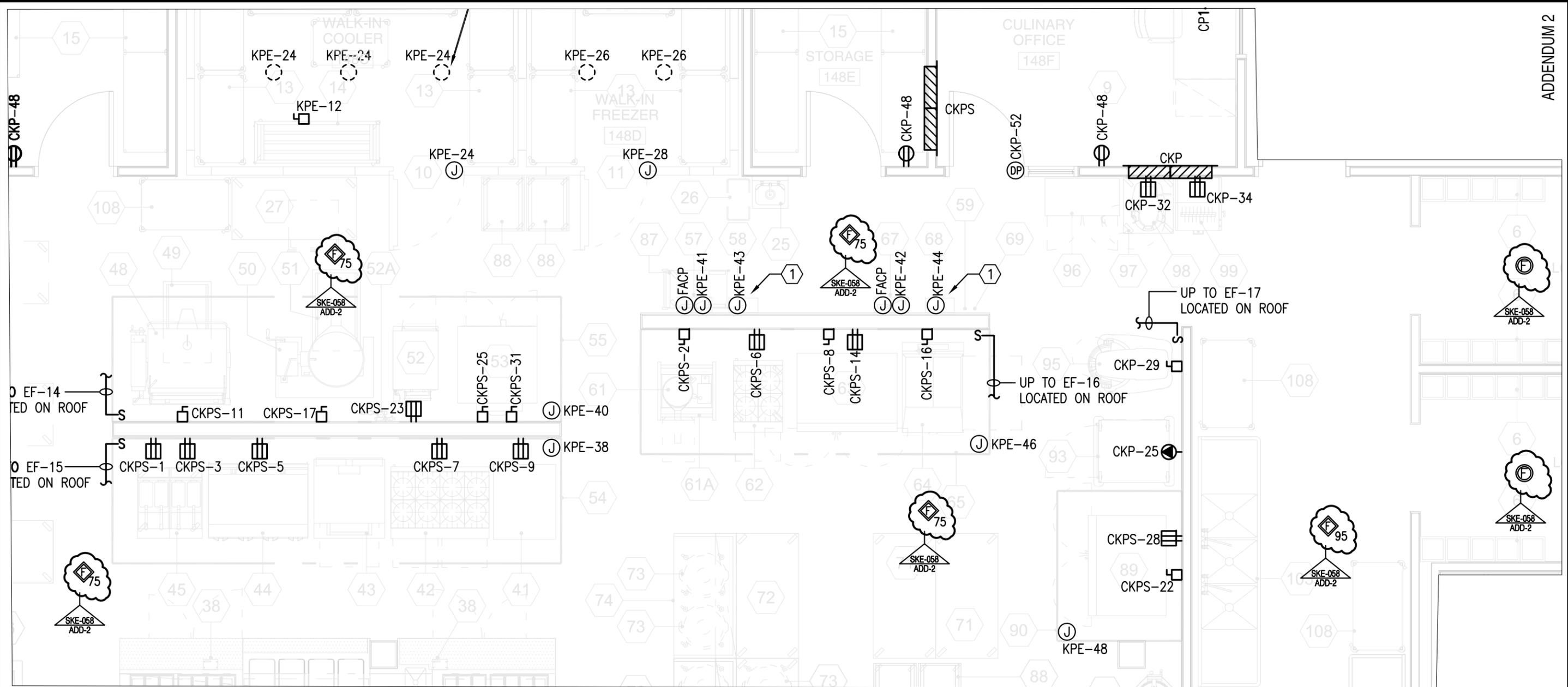
526 Boston Post Road  
Wayland, MA 01778

TEL. 508.358.0790  
FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH	SKE-057
SCALE:	None	
JOB NO:	1308.00	REF DWG: E1.8
DATE:	6/11/2015	



ADDENDUM 2

DRAWN BY:	BUJ	None
SCALE:	1308.00	None
JOB NO.:	1308.00	None
DATE:	6/11/2015	None

**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

526 Boston Post Road  
Wayland, MA 01778  
TEL: 508.358.0790  
FAX: 508.358.0791

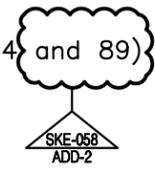


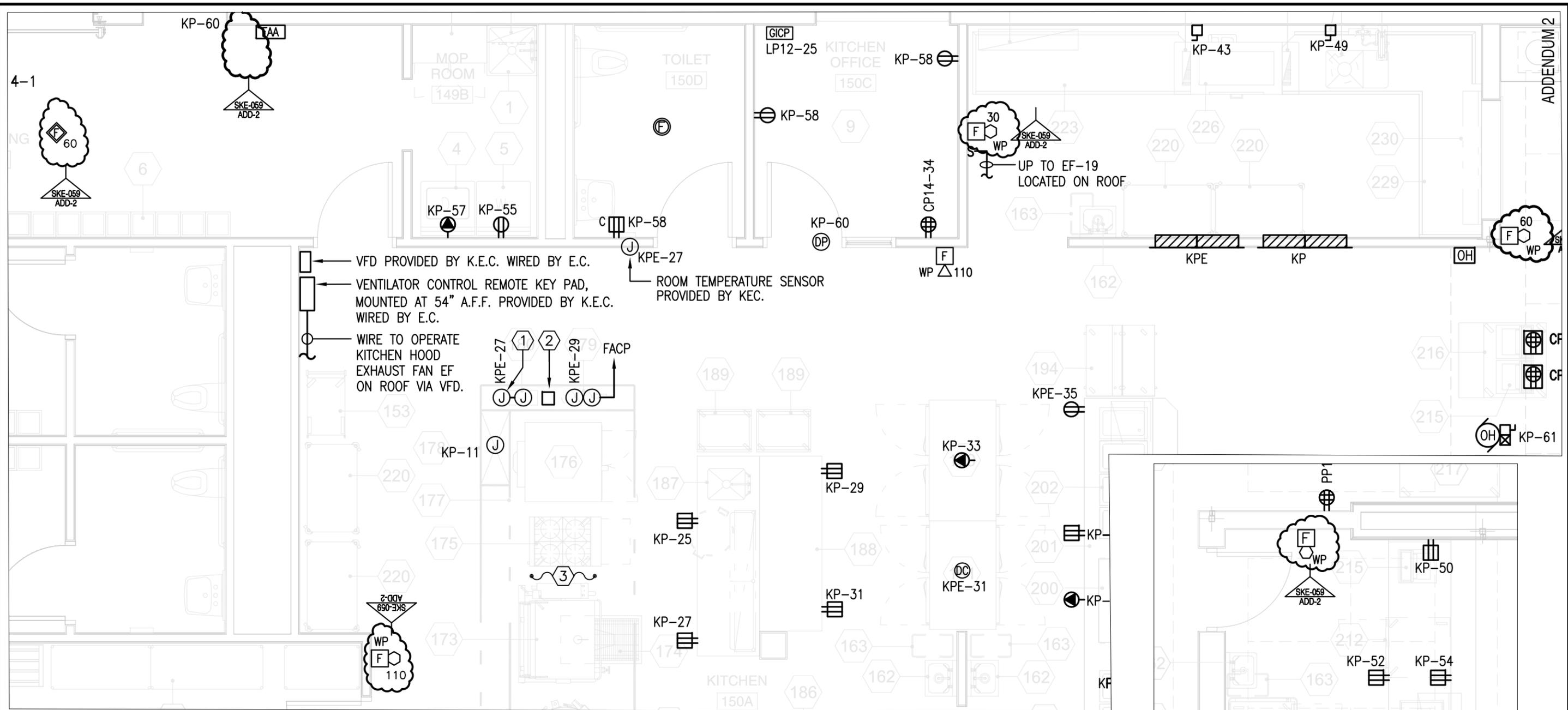
**SKE-058**

REF DWG: E1.6

**NOTES:**

- ALL DISCONNECT SWITCHES AND DEVICES ETC. LOCATED ON THE ROOF AND IN THE FREEZER, COOLER AND DISHWASH AREA SHALL BE IN NEMA 3R ENCLOSURES.
- ALL 120V RECEPTACLES SHOWN ON KITCHEN PLAN ARE TO BE OF GFCI TYPE.
- THE KITCHEN HOOD FIRE SUPPRESSION SYSTEM SHALL BE WIRED SO THAT WHEN THE FIRE SUPPRESSION SYSTEM IS ACTIVATED THE ELECTRIC SUPPLY TO ALL KITCHEN EQUIPMENT LOCATED BELOW THE EXHAUST CANOPIES (ITEMS 41, 42, 44, 45, 48, 50, 52, 53, 61, 62, 63, 64 and 89) SHALL BE DISCONNECTED AND THE FIRE ALARM SYSTEM SHALL GO INTO ALARM. FURNISH AND INSTALL 2#12 - 1/2"6 TO PANEL CKPS TO ACTIVATE SHUNT TRIP MAIN CIRCUIT BREAKERS.
- REFER TO FOOD SERVICE EQUIPMENT DRAWINGS FOR EXACT LOCATIONS OF BOXES, RECEPTACLES, MOUNTING HEIGHTS, AND TYPES OF CONNECTIONS.





VFD PROVIDED BY K.E.C. WIRED BY E.C.  
 VENTILATOR CONTROL REMOTE KEY PAD,  
 MOUNTED AT 54" A.F.F. PROVIDED BY K.E.C.  
 WIRED BY E.C.  
 WIRE TO OPERATE  
 KITCHEN HOOD  
 EXHAUST FAN EF  
 ON ROOF VIA VFD.

ROOM TEMPERATURE SENSOR  
 PROVIDED BY KEC.

**NOTES:**

- ALL DISCONNECT SWITCHES AND DEVICES ETC. LOCATED ON THE ROOF AND IN THE FREEZER, COOLER AND DISHWASH AREA SHALL BE IN NEMA 3R ENCLOSURES.
- ALL 120V RECEPTACLES SHOWN ON KITCHEN PLAN ARE TO BE OF GFCI TYPE.
- THE KITCHEN HOOD FIRE SUPPRESSION SYSTEM SHALL BE WIRED SO THAT WHEN THE FIRE SUPPRESSION SYSTEM IS ACTIVATED THE ELECTRIC SUPPLY TO ALL KITCHEN EQUIPMENT LOCATED BELOW THE EXHAUST CANOPY (ITEMS 169, 170, 171, 173, 175 AND 176) SHALL BE DISCONNECTED AND THE FIRE ALARM SYSTEM SHALL GO INTO ALARM. FURNISH AND INSTALL 2#12-1/2" C TO UTILITY DISTRIBUTION SYSTEM TO ACTIVATE SHUNT TRIP MAIN CIRCUIT BREAKERS.

4. REFER TO FOOD SERVICE EQUIPMENT DRAWINGS FOR EXACT LOCATIONS OF

ADDENDUM 2

DRAWN BY:	BUJ	None
SCALE:	1308.00	
JOB NO.:	6/11/2015	
DATE:		REF DWG: E1.7

**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

526 Boston Post Road  
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EE6	COTHAM	IC035/606AR60277	277	R		101	LED	AND 0-10 VOLT DIMMING DRIVER. 6" OPEN 6000 LUMEN DOWNLIGHT, 3500 DEGREE KELVIN IN COLOR, WITH CLEAR SEMI-SPECULAR REFLECTOR, 60 DEGREE BEAM ANGLE, BAR HANGERS, AND 0-10 VOLT DRIVER.
FF	BETA CALCO	443704CS2CBA	277	P	-	32	LED	STEEL AND ALUMINUM, WHITE POWDER COATED, EXTRUDED OPAL ACRYLIC, 32" DECORATIVE, CYLINDRICAL FIXTURE, WITH 6' ADJUSTABLE AIRCRAFT CABLE, COLOR BY ARCHITECT.
GG	BETA CALCO	4360522X1	277	P	-	48	LED	24" HIGH, 11" DIAMETER, STEEL AND ALUMINUM, SILVER ANODIZED FINISH, OPAL ACRYLIC ETCHED FINISH DIFFUSER, PENDANT LIGHTING FIXTURE. COORDINATE MOUNTING HEIGHT/EXACT LOCATIONS WITH ARCHITECT STAGGERED BETWEEN THREE FLOORS.
TT2	JESCO	ILP-21"x26"2E8MM3200K6FEETWIRE/DLPS9624/LCDIM5AHW	120	W	-	60	LED	21 X26 LED LIGHT PANEL WITH REMOTE 60 WATT LED POWER SUPPLY AND 0-10 VOLT DIMMING DRIVER, FOR BACK LIGHTING CULINARY RESTAURANT SIGN GLASS PANEL.
UU	SPECTRUM LIGHTING	PREXT16LEDGV55W35KE2CDSC2DR16WAG16CBA	120	P	-	55	LED	16" DIAMETER TRADITIONAL STYLE HIGH BAY LIGHTING FIXTURE, WITH CLEAR PRISMATIC REFRACTOR, 36" STRAIGHT CORD AIRCRAFT CABLE, WIRE GUARD, AND SAFETY CABLE, FINISH/COLOR BY ARCHITECT.
WV1	COLOR KINETICS	523000092-74 SYSTEM	277	S	-	38	LED	1.5" WIDE X 1.8" HIGH MAXIMUM, DIMMABLE, LOW PROFILE, WIDE BEAM ANGLE, ROTATEABLE LED FIXTURE, 3500 DEGREE KELVIN IN COLOR, WITH INTEGRAL DRIVER. UTILIZE (2) 4" LIGHTING FIXTURES TO LIGHT DISPLAY CASE AS INDICATED ON ARCHITECTURAL DETAILS. VERIFY EXACT MOUNTING LOCATIONS WITH ARCHITECTURAL DETAILS. PROVIDE ALL SUGGESTED PARTS/ACCESSORIES BY MANUFACTURER. PROVIDE FACTORY DRAWINGS FOR APPROVAL.
VV0	COLOR KINETICS	523000091-74 SYSTEM	277	S	-	12	LED	LIGHTING FIXTURES TO LIGHT DESK FRONT AS INDICATED ON ARCHITECTURAL DETAILS. VERIFY EXACT MOUNTING LOCATIONS WITH ARCHITECTURAL DETAILS. PROVIDE ALL SUGGESTED PARTS/ACCESSORIES BY MANUFACTURER. PROVIDE FACTORY DRAWINGS FOR APPROVAL.
YY	ACCLAIM LIGHTING	FTB123AADN	277	S	-	3.75W/FT	LED	LED TUBE, ROPE TYPE LIGHTING, LENGTHS AS INDICATED ON DRAWINGS. PROVIDE DRIVER #CLG-150-24 TRANSFORMER AS REQUIRED PER SECTION. 3500K COLOR TEMPERATURE.
ZZ	JUNO LIGHTING	TRACK: HTEK4 SERIES TRACK CBA	277	S/P	-	-	-	LED TRACK, REFER TO FLOOR PLANS FOR TRACK LENGTHS. ALL REQUIRED ACCESSORIES SHALL BE PROVIDED TO MAKE COMPLETE INSTALLATION, FACTORY DRAWINGS SHALL BE SUBMITTED FOR APPROVAL EACH TRACK LOCATION. COLOR/FINISH BY ARCHITECT.

ADDENDUM 2

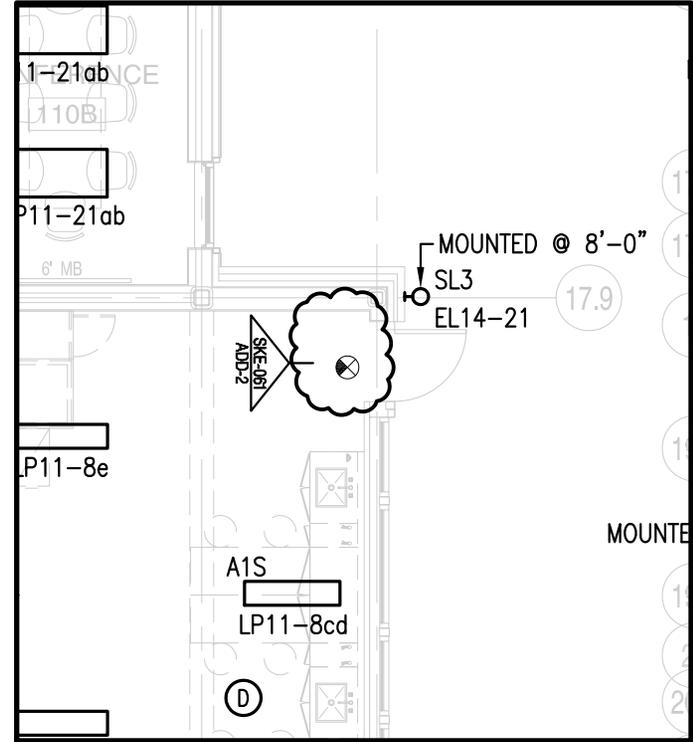
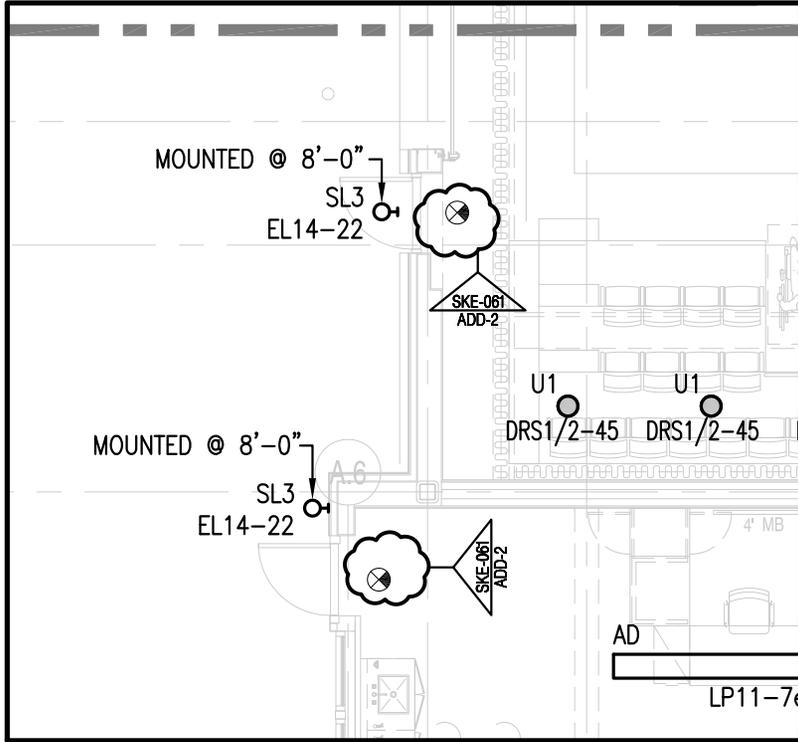


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH	<b>SKE-060</b>
SCALE:	None	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:	E0.2	



ADDENDUM 2



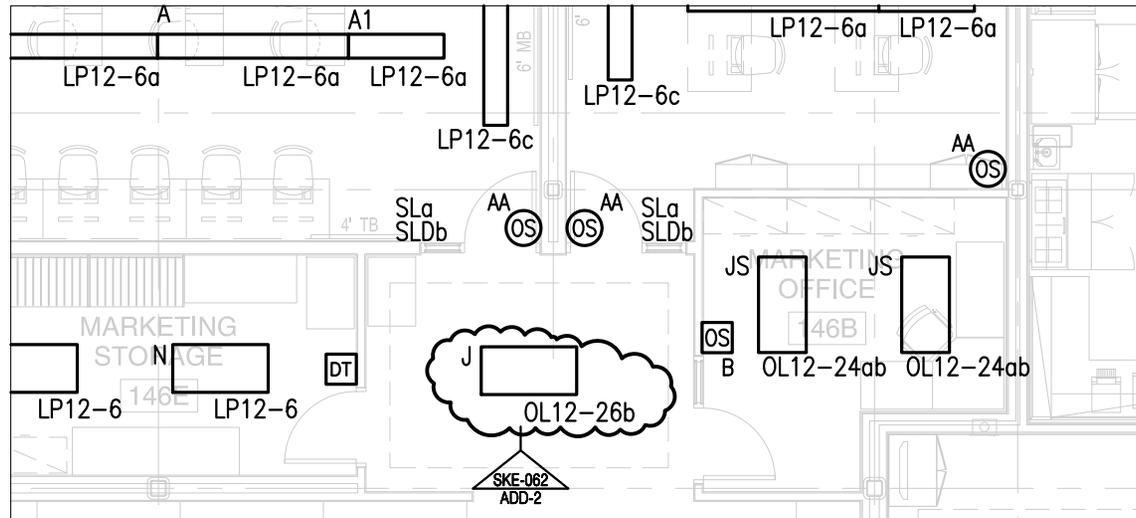
526 Boston Post Road  
Wayland, MA 01778  
TEL. 508.358.0790  
FAX. 508.358.0791

# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY: BJH  
SCALE: 1/8"=1'-0"  
JOB NO: 1308.00  
DATE: 6/11/2015

SKE-061  
REF DWG: E1.11L



ADDENDUM 2

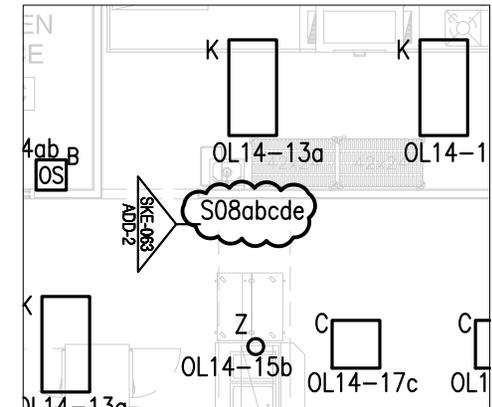
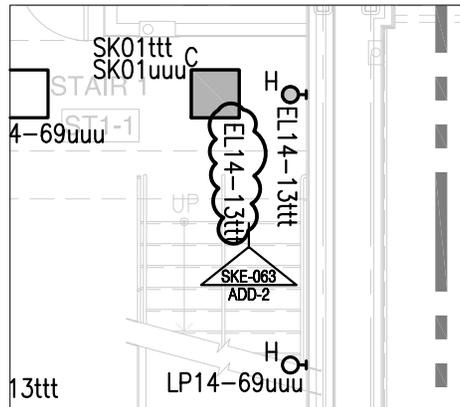
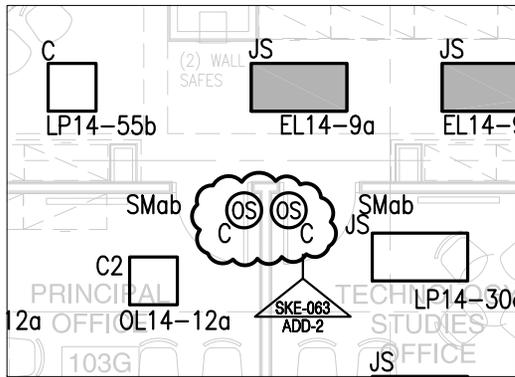


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH	<b>SKE-062</b>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:		E1.13L/E1.14L



ADDENDUM 2

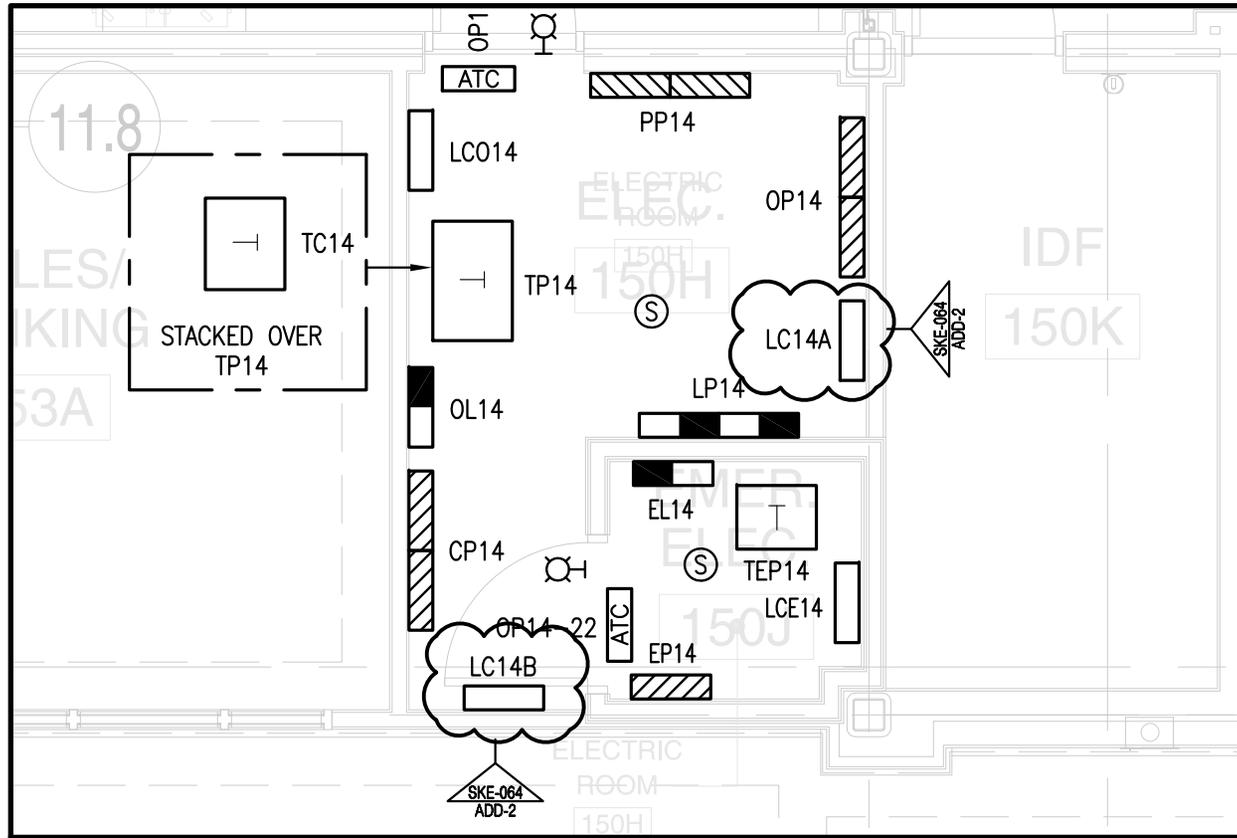


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH	<b>SKE-063</b>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:		E1.14L/E1.15L



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

ADDENDUM 2

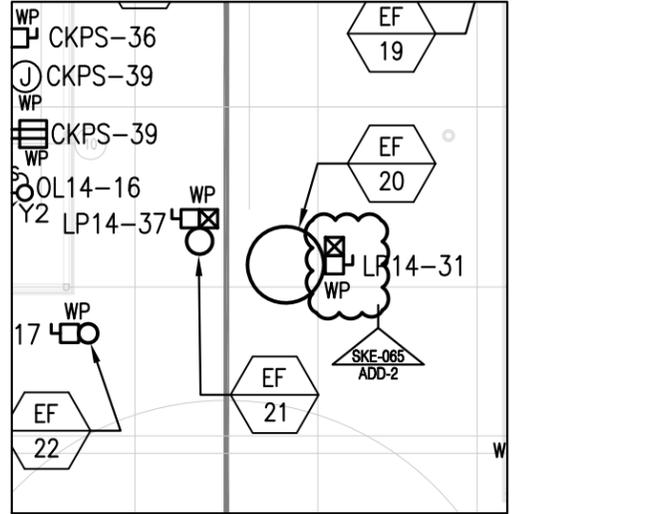
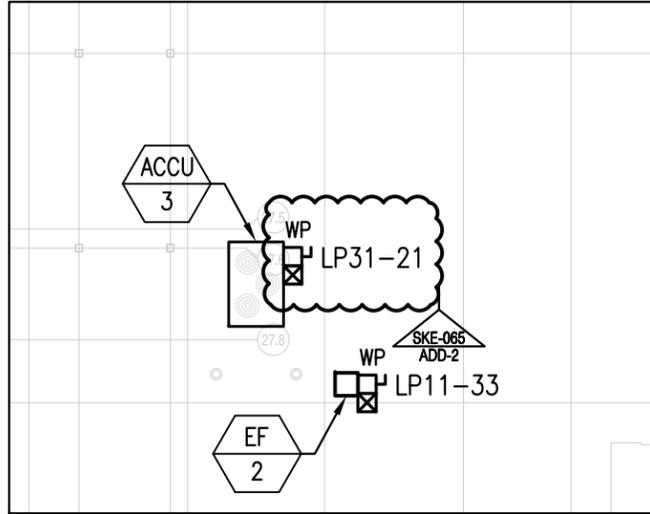
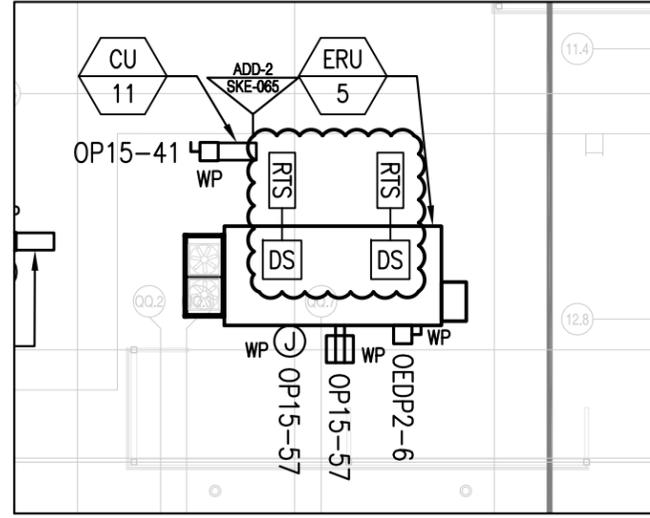
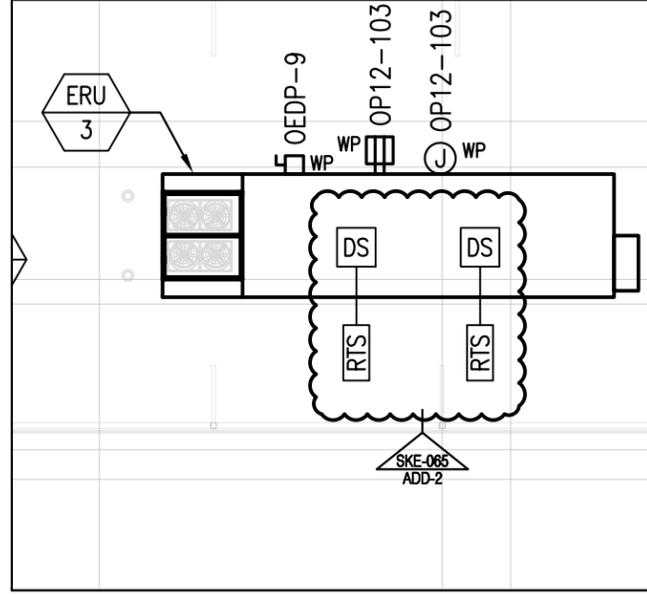
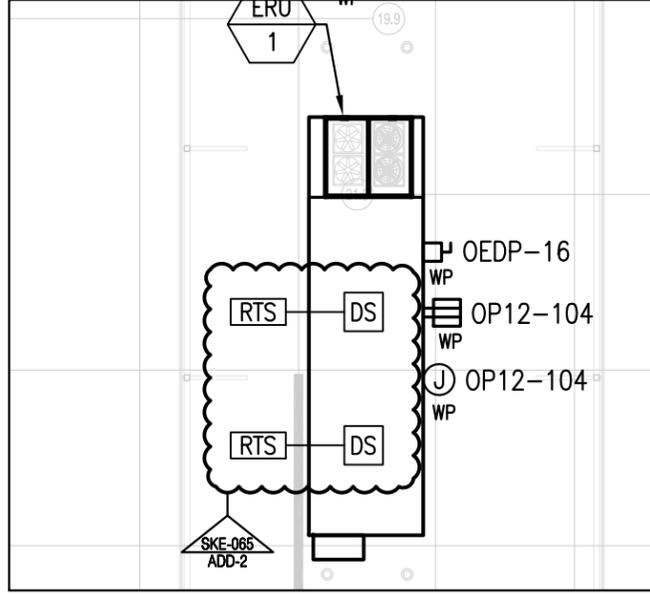
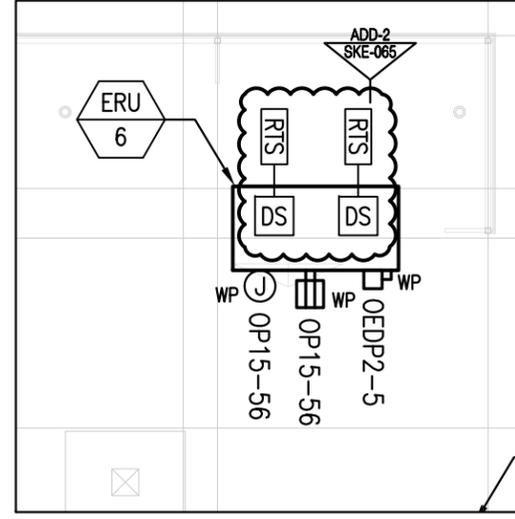
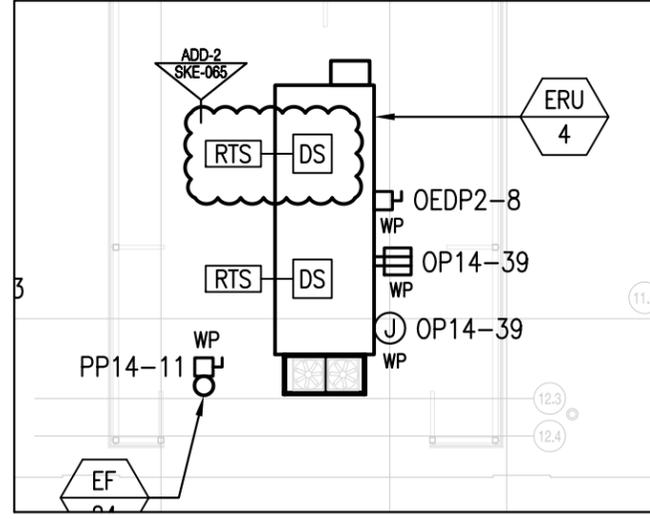
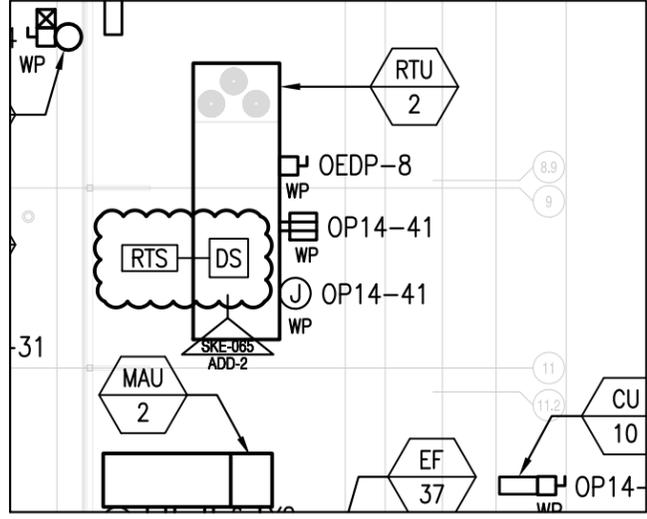
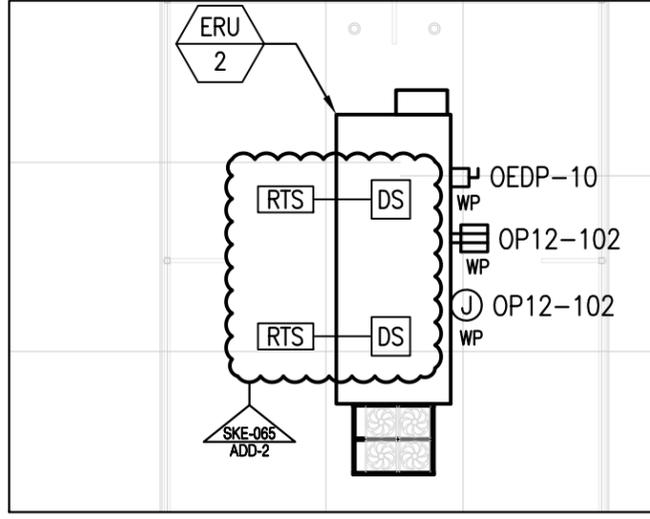


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH	<b>SKE-064</b>
SCALE:	1/4"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:		E1.14F



ADDENDUM 2

DRAWN BY:	BJH
SCALE:	1/16"=1'-0"
JOB NO.:	1308.00
DATE:	6/11/2015
REF DWG.:	E1.51 & E1.52

**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

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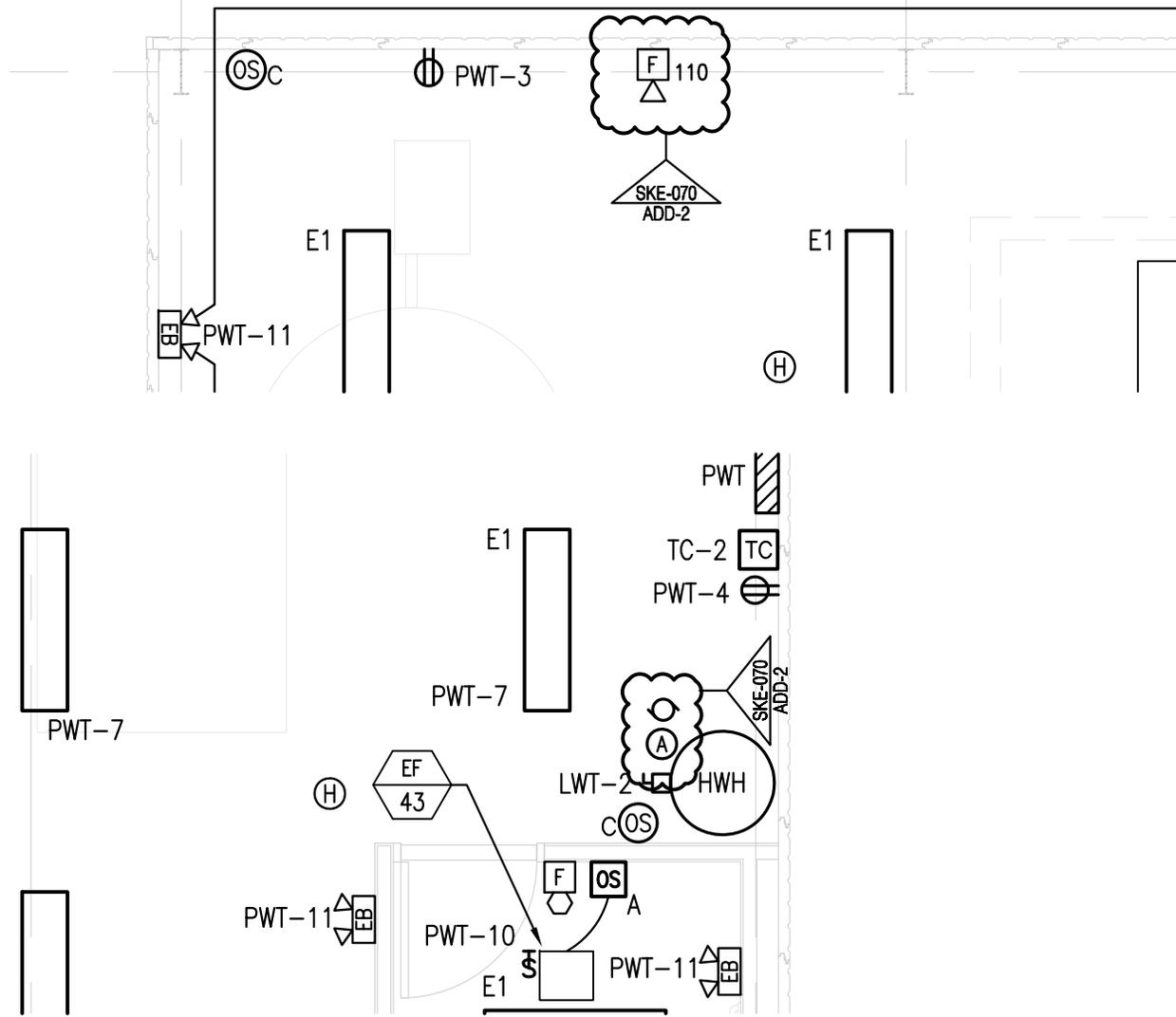












ADDENDUM 2

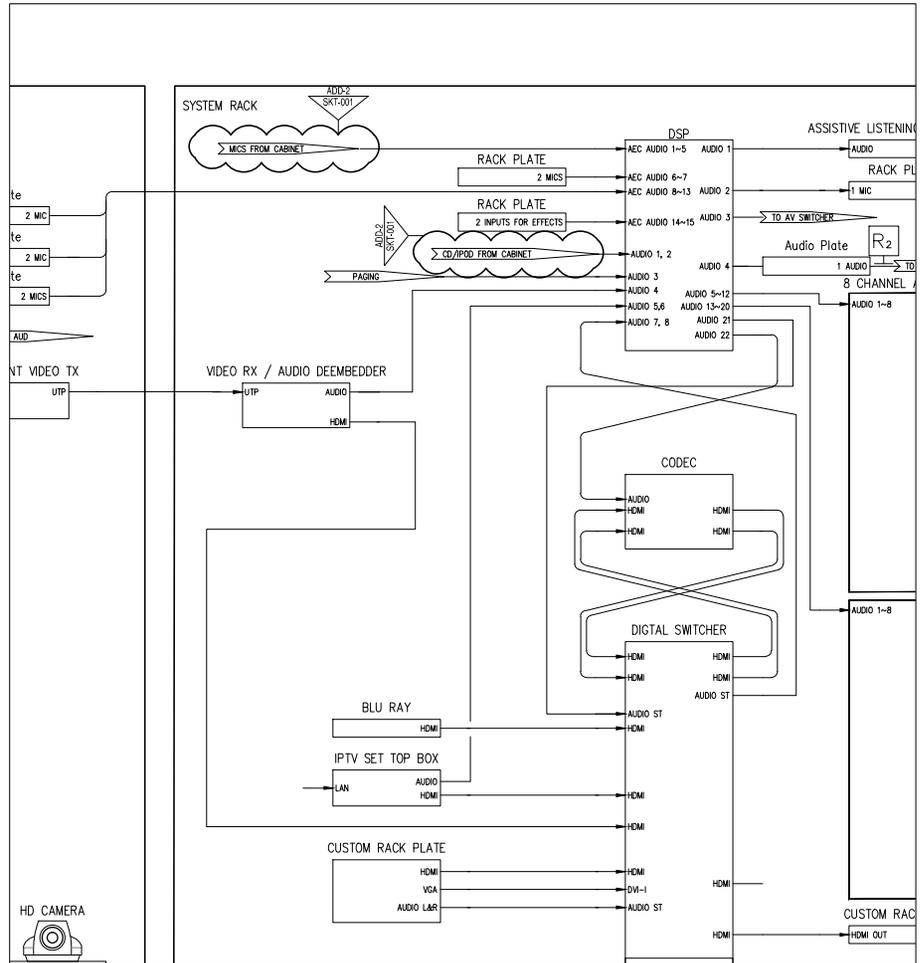
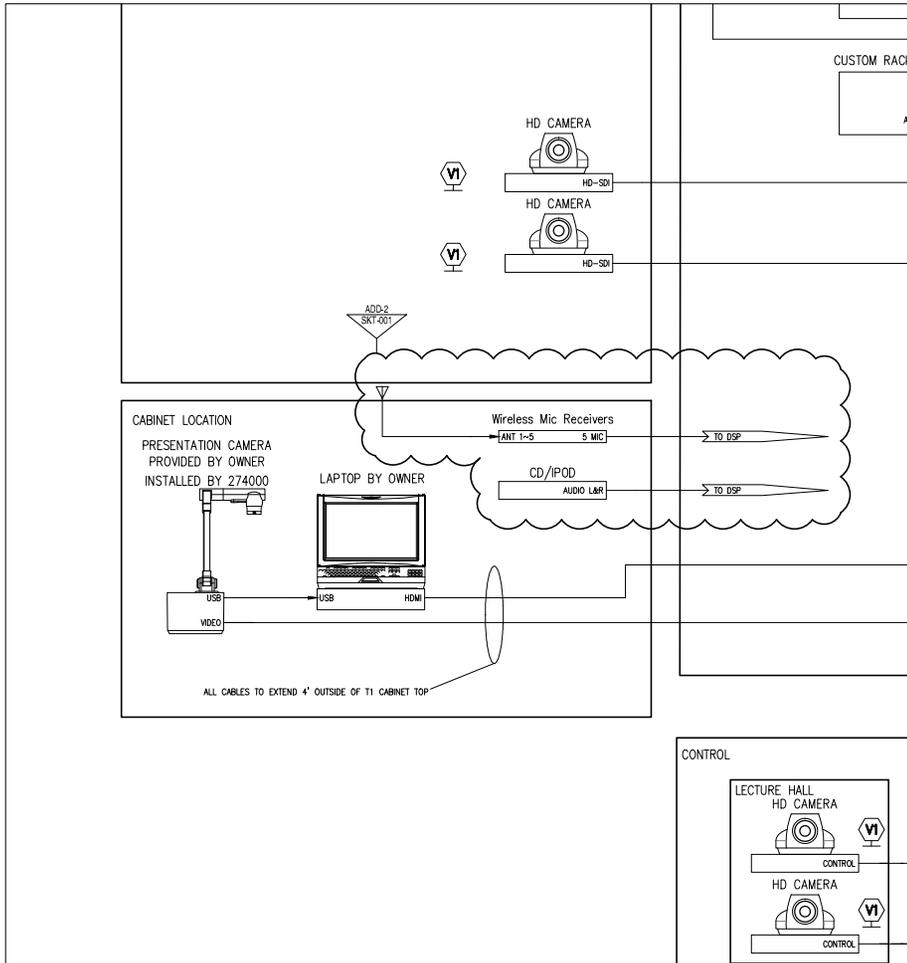


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	BJH	<b>SKE-070</b>
SCALE:	1/4"=1'-0"	
JOB NO:	1308.00	
DATE:	6/11/2015	
REF DWG:		EW.6



ADDENDUM 2

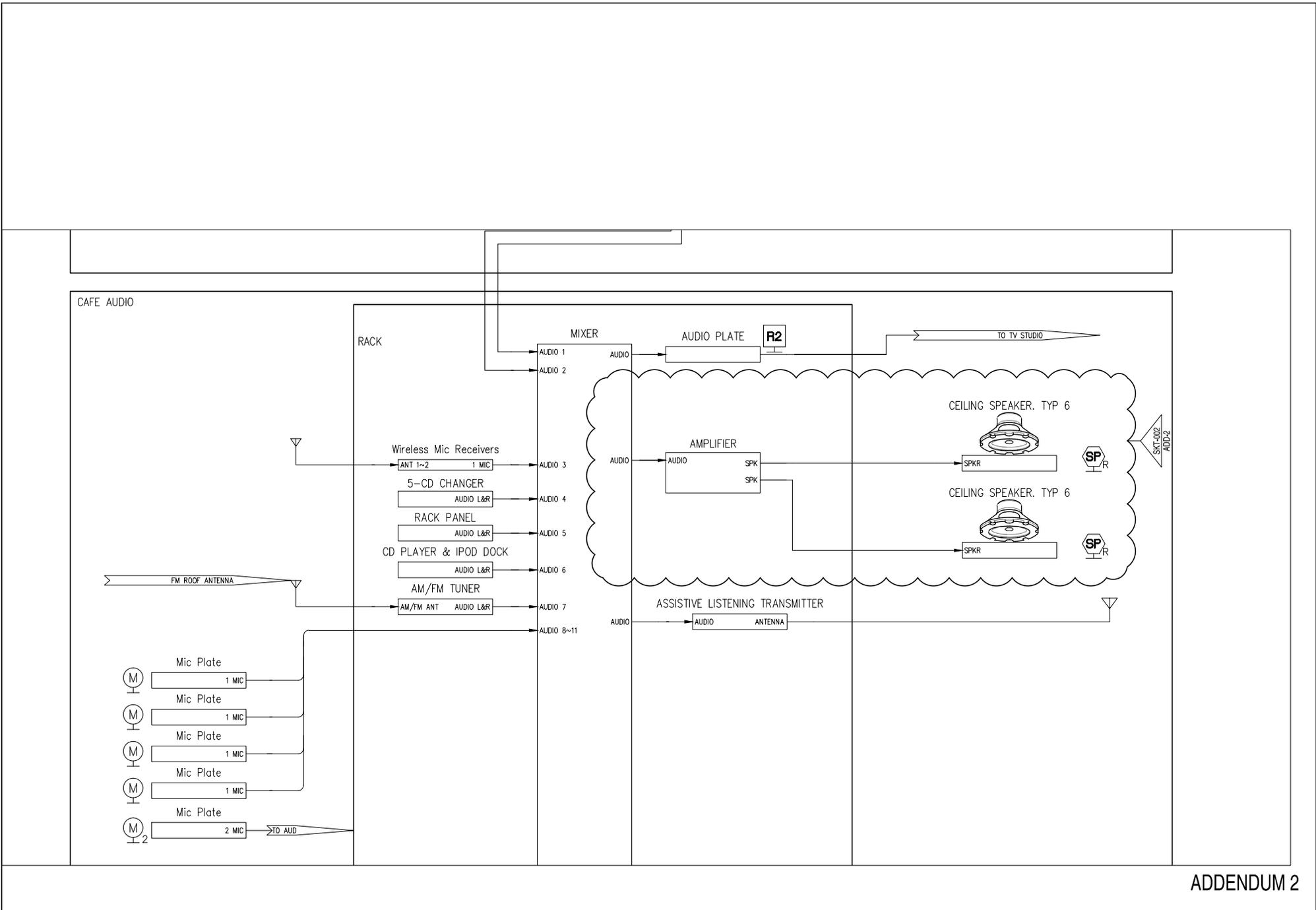


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	JCJ	SKT-001
SCALE:	NTS	
JOB NO:	1308.00	
DATE:	06/10/15	
REF DWG:	T2.8	



ADDENDUM 2

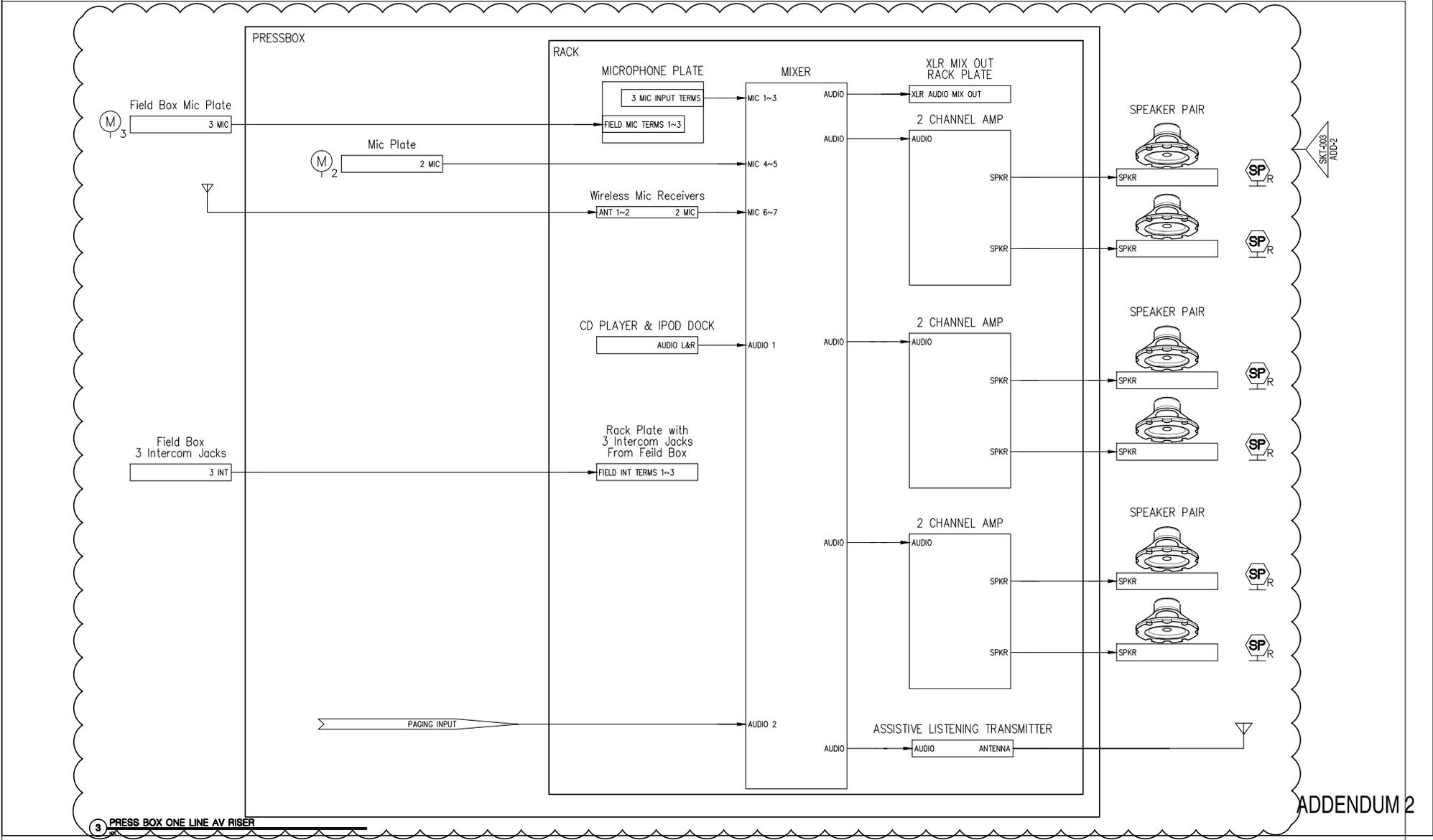


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# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

DRAWN BY:	JCJ	<b>SKT-002</b>
SCALE:	NTS	
JOB NO:	1308.00	
DATE:	06/10/15	
REF DWG:	T2.9	



ADDENDUM 2

3 PRESS BOX ONE LINE AV RISER



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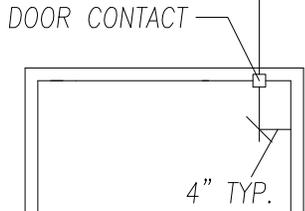
# PLYMOUTH SOUTH HIGH SCHOOL

## Plymouth, MA

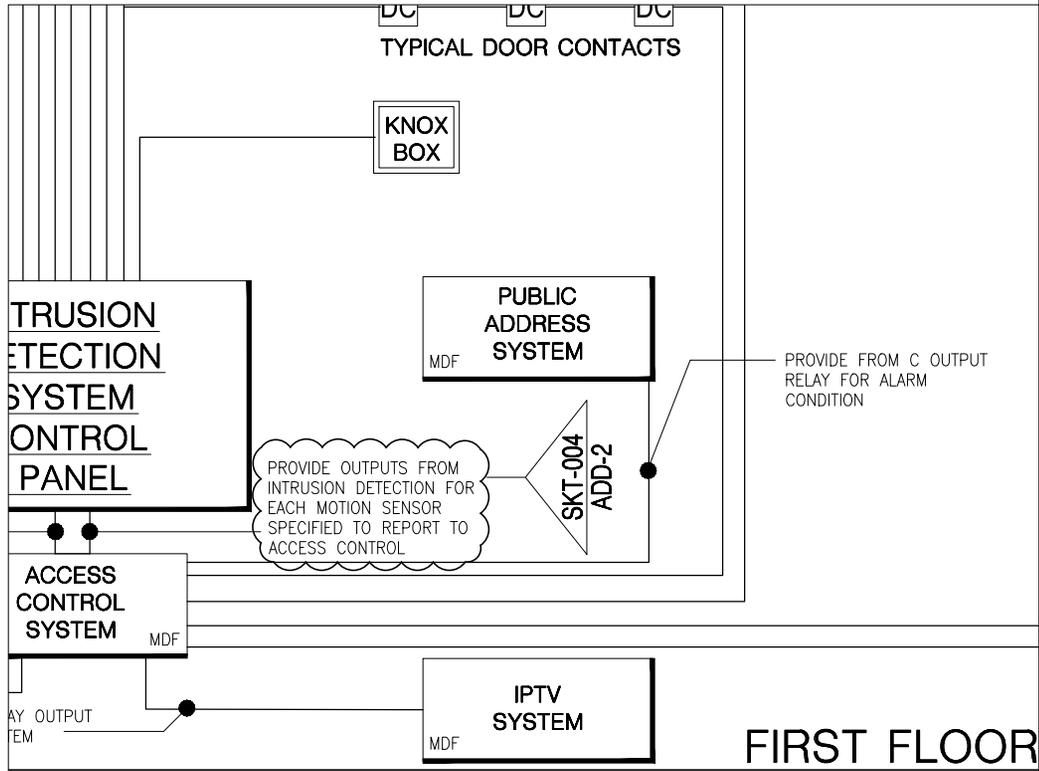
DRAWN BY: JCJ  
SCALE: NTS  
JOB NO: 1308.00  
DATE: 06/10/15

SKT-003  
REF DWG: T2.9 DETAIL 3

ELECTRICAL SUBCONTRACTOR SHALL PROVIDE AND INSTALL 6" X 6" X 3" JUNCTION BOX 18" ABOVE CEILING AT EVERY DOORWAY WITH DOOR CONTACTS ON THE SECURE SIDE OF DOORWAY. ELECTRICAL SUBCONTRACTOR SHALL PROVIDE AND INSTALL A 3/4" CONDUIT FROM THIS JUNCTION BOX TO THE DOOR POSITION SENSOR.



**3 DOORWAY ACCESS CONTROL DETAILS**  
NTS



**NOTES:**

**DC** DPDT OR EQUAL CONTACT MODULE. TIE INTO INTRUSION DETECTION SYSTEM AND ACCESS CONTROL SYSTEM. PROVIDED BY 28 13 00 SUBCONTRACTOR. INSTALLED IN DOOR BY 281300 SUBCONTRACTOR.

**KP** INTRUSION DETECTOR KEYPAD AT DESIGNATED LOCATIONS. PROVIDED BY 28 16 00 SUBCONTRACTOR

**MO** 360 DEGREE MOTION OR WALL MOTION. SET JUMPER TO SLOW DETECTION. PROVIDED BY 28 16 00 SUBCONTRACTOR.

\*OWNER WILL PROVIDE DETAILED ZONE SCHEDULE FOR SYSTEM PROGRAMMING FOLLOWING AWARD. FOR SECURITY PURPOSES, THIS IS NOT INCLUDED IN PUBLIC BID DOCUMENTS

**2 SECURITY SYSTEM RISER**  
NTS

ADDENDUM 2



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**PLYMOUTH SOUTH HIGH SCHOOL**  
Plymouth, MA

DRAWN BY:	JCJ
SCALE:	NTS
JOB NO:	1308.00
DATE:	6/11/15

SKT-004
REF DWG: T2.11