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

Addendum #1

June 5, 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 1) must be entered in the appropriate spaces provided on the Form for General Bid, & Form for Sub-Bid.

ATTACHMENTS:

Document 00 54 22 – BID ATTACHMENT UNIT PRICES SCHEDULE

SKC-001A through SKC-001F

SKL-001

SKA-001 through SKA-006

SKS-001 through SKS-007

SKFP-001

SKP-001 through SKP-015

SKE-001 through SKE-023

SKM-001 through SKM-002

SKTL-001

SPECIFICATIONS:

- ADD 1-001 CLARIFICATION: Product substitutions will not be reviewed during the bidding phase of the project. All substitution requests must be submitted by the Contractor awarded the job during the Construction phase and shall follow the guidelines set forth in Document 00 63 25 – SUBSTITUTION REQUEST FORM as well as Document 00 72 00 – GENERAL CONDITIONS, Article 1, section 1.1.5 – “OR EQUAL”.
- ADD 1-002 CLARIFICATION: The perimeter of the metal lockers do not require Joint Sealant at dissimilar materials.
- ADD 1-003 Page 00 01 10-3, Section 00 01 10, TABLE OF CONTENTS, Appendices, AFTER the words “Section 08 35 15 Sliding Glass Panels” INSERT the words “(* Filed Sub-Bid Required as Part of Section 08 00 08)”.
- ADD 1-004 Page 00 01 10-7, Section 00 01 10, TABLE OF CONTENTS, Appendices, DELETE the words “~~Appendix E Responsible Contractor Bylaw~~”.
- ADD 1-005 Page 00 52 00-1, Section 00 52 00, AGREEMENT, Article 2, REMOVE the word “Complete” in the first sentence and REPLACE with the word “Substantial” to read as follows:
...”bring the work to Substantial Completion on May 12, 2017.”

- ADD 1-006 DELETE Document 00 54 22, BID ATTACHMENT UNIT PRICES SCHEDULE, in its entirety AND INSERT Document 00 54 22, BID ATTACHMENT UNIT PRICES SCHEDULE. Included with this Addendum and attached hereto.
- ADD 1-007 Page 02 41 00-3, Section 02 41 00, SITE DEMOLITION, Article 1.7, Paragraph E, subparagraph 3, REMOVE "investigated" and REPLACE with "screened and analyzed"
- ADD 1-008 Page 07 53 23-7, Section 07 53 23, ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 1.12, Paragraph A, subparagraph 3, AFTER the words "created by maximum wind speed of" DELETE the number "100" and INSERT the number "110".
- ADD 1-009 Page 07 53 23-10, Section 07 53 23, ETHYLENE PROPYLENE DIENE MONOMER (EPDM) ROOFING, Article 2.5, DELETE Paragraph J in its entirety and INSERT the following new Paragraph:
- J. Walkway pads: Manufacturer's standard UV resistant, pressure sensitive molded walkway pads, 30 inches by 30 inches in white color to match roofing material complying with the following characteristics:
 - 1. Thickness: 0.182 inches (4.6 mm) minimum.
 - 2. Tensile strength: 500 psi minimum when tested in accordance with ASTM D 412
 - 3. Tear resistance: 250 lbf/in when tested in accordance with ASTM D 624.
- ADD 1-010 Page 07 92 00-12, Section 07 92 00, JOINT SEALANT, Article 3.7, Paragraph D, subparagraph 2 – Architectural millwork and casework, subparagraph c, INSERT the following: "and backsplashes" AFTER the word "Countertops".
- ADD 1-011 Page 07 92 00-12, Section 07 92 00, JOINT SEALANT, Article 3.7, Paragraph D, subparagraph 2 – Architectural millwork and casework, DELETE subparagraph "a" & subparagraph "b" in their entirety and renumber subparagraph "c" to "a" and subparagraph "d" to "b".
- ADD 1-012 Page 08 35 15-1, Section 08 35 15, SLIDING GLASS PANELS, AFTER the words "Section 08 35 15 SLIDING GLASS PANELS" INSERT the words "(FILED SUB-BID REQUIRED As Part of Section 08 00 08)"
- ADD 1-013 Page 08 35 15-1, Section 08 35 15, SLIDING GLASS PANELS, INSERT the following new Article and resequence the remaining Articles accordingly:
- 1.1. GENERAL PROVISIONS
 - A. Sub Bid Requirements: As provided under Section 08 00 08 – Glass and Glazing Filed Sub-Bid Requirements and supplemented under the Bidding Requirements, Contract Forms, and Conditions of the Contract, and applicable parts of Division 1 - General Requirements.
 - 1. Work of this Filed Sub-Bid includes all individual specification sections listed in Section 08 00 08.
- ADD 1-014 Page 08 35 15-16, Section 08 35 15, SLIDING GLASS PANELS, Article 2.2, DELETE Paragraph B in its entirety and INSERT the following new Paragraph:
- B. Nominal 3/8 inch thick laminated glass:
 - 1. Outer face: 3/16 inch (3 mm) thick fully tempered clear glass
 - 2. Interlayer: 0.030 inch thick translucent clear polyvinyl butyl innerlayer
 - 3. Inner face: 3/16 inch (3 mm) thick fully tempered clear glass.
- ADD 1-015 Page 08 36 13-4, Section 08 36 13, MULTI-LEAF VERTICAL LIFT DOORS, Article 2.2, Paragraph C, INSERT the following as subparagraph 4:
- "4. General: Tempered glass shall conform to ASTM C 1048 FT, fully tempered, complying with Class 3 (tinted-light reducing), quality q3 glazing select, and to ANSI Z97.1 and CPSC 16 CFR 1201."

- ADD 1-016 Page 08 42 26-3, Section 08 42 26, ALL-GLASS ENTRANCES, Article 2.2, Paragraph A, INSERT the following: "and CPSC 16 CFR 1201" AFTER "ANSI Z97.1"
- ADD 1-017 Page 08 43 13-10, Section 08 43 13, ALUMINUM-FRAMED STOREFRONTS, Article 2.9, Paragraph B, subparagraph 3, subparagraph a, INSERT the words "all doors," BEFORE the word "sidelights"
- ADD 1-018 Page 08 43 13-10, Section 08 43 13, ALUMINUM-FRAMED STOREFRONTS, Article 2.9, Paragraph B, subparagraph 3, subparagraph a, INSERT the following:

"within 36 inches of a door opening horizontally and within 60 inches to either finished floor or grade"

AFTER the word "sidelight"
- ADD 1-019 Page 08 43 13-10, Section 08 43 13, ALUMINUM-FRAMED STOREFRONTS, Article 2.9, Paragraph B, subparagraph 3, subparagraph a, REMOVE "18 inches" and REPLACE with ""36 inches"
- ADD 1-020 Page 08 43 13-10, Section 08 43 13, ALUMINUM-FRAMED STOREFRONTS, Article 2.9, Paragraph B, DELETE subparagraph 4 in its entirety.
- ADD 1-021 Page 08 44 13-8, Section 08 44 13, GLAZED ALUMINUM CURTAIN WALLS, Article 2.6, Paragraph A, subparagraph 2, INSERT the following subparagraph:

a. Provide at all sidelights within 36 inches of a door opening horizontally and within 60 inches to either finished floor or grade, and all locations where bottom of glass is less than 36 inches to either finished floor or grade (whichever is less).
- ADD 1-022 Page 08 44 26-8, Section 08 44 26, STRUCTURAL GLASS CURTAIN WALL, Article 2.6, Paragraph A, subparagraph 2, INSERT the following subparagraph:

a. Provide at all sidelights within 36 inches of a door opening horizontally and within 60 inches to either finished floor or grade, and all locations where bottom of glass is less than 36 inches to either finished floor or grade (whichever is less).
- ADD 1-023 Page 08 51 13-4, Section 08 51 13, ALUMINUM WINDOWS, Article 1.5, DELETE Paragraph F in its entirety as there are no "Project Out Windows" in this project.
- ADD 1-024 Page 08 51 13-8, Section 08 51 13, ALUMINUM WINDOWS, Article 2.1, Paragraph A, DELETE subparagraph 3 in its entirety as there are no "Project Out" windows on this project.
- ADD 1-025 Page 08 51 13-10, Section 08 51 13, ALUMINUM WINDOWS, Part 2, REMOVE Article 2.5 in its entirety and REPLACE with the following:

"2.5 NOT USED"
- ADD 1-026 Page 08 51 13-12, Section 08 51 13, ALUMINUM WINDOWS, Article 2.8, Paragraph B, subparagraph 2, subparagraph a, INSERT the word "door," BEFORE the word "sidelights"
- ADD 1-027 Page 08 51 13-12, Section 08 51 13, ALUMINUM WINDOWS, Article 2.8, Paragraph B, subparagraph 2, subparagraph a, INSERT the following:

"horizontally and within 60 inches to either finished floor or grade"

AFTER "36 inches of a door opening"
- ADD 1-028 Page 08 51 13-12, Section 08 51 13, ALUMINUM WINDOWS, Article 2.8, Paragraph B, subparagraph 2, subparagraph a, REMOVE "18 inches" and REPLACE with "36 inches"
- ADD 1-029 Page 08 51 13-12, Section 08 51 13, ALUMINUM WINDOWS, Article 2.8, Paragraph B, subparagraph 2, INSERT the following as subparagraph b:

"b. Comply with ASTM C 1048 FT, fully tempered, complying with Class 3 (tinted-light reducing), quality q3 glazing select, conforming to ANSI Z97.1 and CPSC 16 CFR 1201."

- ADD 1-030 Page 08 51 13-12, Section 08 51 13, ALUMINUM WINDOWS, Article 2.8, Paragraph B, DELETE subparagraph 3 in its entirety.
- ADD 1-031 Page 08 51 13-12, Section 08 51 13, ALUMINUM WINDOWS, Article 2.8, Paragraph B, subparagraph 4, subparagraph a, REMOVE "Type E" and REPLACE with "Type D"
- ADD 1-032 Page 08 51 13-13, Section 08 51 13, ALUMINUM WINDOWS, Article 2.8, DELETE Paragraph E in its entirety.
- ADD 1-033 Page 08 80 00-6, Section 08 80 00, GLAZING, Article 2.2, Paragraph D, INSERT the following: "and CPSC 16 CFR 1201" AFTER "ANSI Z97.1"
- ADD 1-034 Page 08 80 00-6, Section 08 80 00, GLAZING, Article 2.3, Paragraph A, subparagraph 1, subparagraph b, REMOVE "18 inches" and REPLACE with "36 inches"
- ADD 1-035 Page 08 80 00-7, Section 08 80 00, GLAZING, Article 2.3, Paragraph A, subparagraph 1, subparagraph c, INSERT the following:

"horizontally and within 60 inches to either finished floor or grade"

AFTER "36 inches of a door jambs"
- ADD 1-036 DELETE Section 09 67 33, THIN FILM EPOXY FLOORING, in its entirety.
- ADD 1-037 Page 10 71 13-4, Section 10 71 13, EXTERIOR SUN CONTROL DEVICES, Article 2.3, INSERT the following as Paragraph D:

"D. Aluminum Mesh: ASTM B209; alloy as required for forming and finishing
1. Sheet thickness as needed to meet local wind and snow load requirements
2. Open area: 56%
3. McNichols Company, product 1796003241 or approved equal with perforated, square holes"
- ADD 1-038 Page 11 31 00-1, Section 11 31 00, APPLIANCES, Article 1.1, Paragraph A, INSERT the following subparagraph:

15. Flake ice machine.
- ADD 1-039 Page 11 31 00-3, Section 11 31 00, APPLIANCES, Article 2.2, Paragraph C, INSERT the following subparagraph:

1. Provide icemaker with integral drain pumps and piping to adjacent sinks to drain.
- ADD 1-040 Page 11 31 00-4, Section 11 31 00, APPLIANCES, Article 2.2, Paragraph I, REMOVE Summit Model No. "CT66ADASSTB" and REPLACE with Summit Model No. "FF6LCSSADA"
- ADD 1-041 Page 11 31 00-4, Section 11 31 00, APPLIANCES, Article 2.2, Paragraph I, REMOVE subparagraph 1 in its entirety
- ADD 1-042 Page 11 31 00-4, Section 11 31 00, APPLIANCES, Article 2.2, Paragraph L INSERT the following new subparagraph:

1. Provide cube ice machines at the following locations:
a. Room 100D – Exam.
b. Room 113 – Science Prep.
c. Room 121 – Science Prep.
d. Room 132 – Science Prep.
e. Room 152A – School Store.
f. Room 171C – Athletic Support.

ADD 1-043 Page 11 31 00-4, Section 11 31 00, APPLIANCES, Article 2.2, INSERT the following new Paragraphs:

- Q. Undercounter flake ice machine: Scotsman Model No. AFE424.
 - 1. Provide icemaker with integral drain pumps and piping to adjacent sinks to drain.
 - 2. Provide flake ice machines at the following locations:
 - a. Room 117C - Training Room.
 - b. Room F113 - Custodian (Storage/Support/Restroom Facility, Alternate No. 2).
- R. Refrigerator/freezer under-counter: SUMMIT Model No. CP351WADA.

ADD 1-044 Page 11 51 19-3, Section 11 51 19, BOOK THEFT PROTECTION EQUIPMENT, Article 2.1, Paragraph A, REMOVE "3M Bookcheck Unit, Model 943" and REPLACE with "3M Pad Staff Workstation, Model 895"

ADD 1-045 Page 11 51 19-3, Section 11 51 19, BOOK THEFT PROTECTION EQUIPMENT, Article 2.1, DELETE Paragraph C in its entirety and INSERT the following new Paragraph:

- C. Bookcheck Unit.
 - 1. Pad: Nominal 11-1/2 inches by 11-1/2 inches.
 - 2. Reader: Nominal 5-1/8 inch by 3 inch by 1 inch
 - 2. Circulation desk and tag programming station capable of processing multiple RFID tags and barcodes simultaneously.
 - 3. Software to convert barcode items to RFID.
 - a. Provide software wedge to allow compatibility with ILS/LMS.
 - 4. Synchronized keyboard hot key feature allows simultaneous mode selection (check-in or checkout) for the ILS and workstation
 - 5. RFID "case set" feature.
 - 6. Power requirements:
 - a. 100 to 240 VAC.
 - b. 47 to 63 Hz.
 - c. 0.6 amperes.

ADD 1-046 Page 21 00 00-14, Section 21 00 00, HANGERS, SUPPORTS AND SEISMIC RESTRAINTS, Article 2.5, subparagraph P, delete in its entirety.

ADD 1-047 Page 22 00 00-15, Section 22 00 00, PIPE AND FITTINGS, Article 2.2, Paragraph A, subparagraph 3, ADD to end of first sentence, and cast iron no-hub.

Paragraph B, ADD to end of first sentence "or electrically fused joints."

ADD 1-048 Page 23 00 00-4, Section 23 00 00, SCOPE OF WORK, Article 1.3, paragraph F shall be modified to read as follows:

"F. The work of this Section is shown on Drawings numbered, M0.1, M1.11, M1.12, M1.13, M1.14, M1.15, M1.16, M1.21, M1.22, M1.23, M1.24, M1.25, M1.26, M1.31, M1.32, M1.33, M1.34, M1.11P, M1.12P, M1.13P, M1.14P, M1.15P, M1.16P, M1.21P, M1.22P, M1.23P, M1.24P, M1.25P, M1.26P, M1.31P, M1.32P, M1.33P, M1.34P, M1.51, M1.52, M2.1, M2.2, M2.3, M2.4, M2.5, M2.6, M2.7, M2.8, M2.9, M2.10, M2.11, M2.12, M2.13, M4.1."

- ADD 1-049 Page 23 00 00-8, Section 23 00 00, RECORD DRAWINGS, Article 1.18, paragraph B shall be modified to read as follows:
“B. The record drawings required to be furnished under this SECTION are of drawings numbered, M0.1, M1.11, M1.12, M1.13, M1.14, M1.15, M1.16, M1.21, M1.22, M1.23, M1.24, M1.25, M1.26, M1.31, M1.32, M1.33, M1.34, M1.11P, M1.12P, M1.13P, M1.14P, M1.15P, M1.16P, M1.21P, M1.22P, M1.23P, M1.24P, M1.25P, M1.26P, M1.31P, M1.32P, M1.33P, M1.34P, M1.51, M1.52, M2.1, M2.2, M2.3, M2.4, M2.5, M2.6, M2.7, M2.8, M2.9, M2.10, M2.11, M2.12, M2.13, M4.1.”
- ADD 1-050 Page 23 00 00-11, Section 23 00 00, AIR HANDLING UNITS, Article 2.2, add the following paragraph:
“V. Warranty: Manufacturer shall provide a full parts warranty for two (2) years from start-up.”
- ADD 1-051 Page 23 00 00-16, Section 23 00 00, BOILERS, Article 2.4, paragraph I, sub-paragraph 1 shall be modified to read as follows:
“1. All equipment shall be guaranteed against defects in materials and/or workmanship for a period of two (2) years from the date of startup. The warranty shall include parts only to repair or replace all defective parts and materials.”
- ADD 1-052 Page 23 00 00-22, Section 23 00 00, CEILING MOUNTED INDUCTION UNITS (ACTIVE CHILLED BEAMS), Article 2.7, paragraph O, sub-paragraph 1 shall be modified to read as follows:
“1. Units shall be warranted against failures on parts for a period of two (2) years from startup.”
- ADD 1-053 Page 23 00 00-29, Section 23 00 00, CHILLER (AIR COOLED), Article 2.9, paragraph M, sub-paragraph 1 shall be modified to read as follows:
“1. Provide a full parts warranty for two years from start-up.”
- ADD 1-054 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 installation. 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 1-055 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.”
- ADD 1-056 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, 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 1-057 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.”
- ADD 1-058 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.”
- ADD 1-059 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.”
- ADD 1-060 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.”
- ADD 1-061 Page 23 00 00-55, Section 23 00 00, INSULATION (PIPING), Article 2.26, add the following paragraph:
“E. Refrigerant Piping: Insulate refrigerant suction and liquid piping system with 3/4-inch thick foamed plastic. Insulation shall be Armaflex, or equal, and shall be installed and adhered to in accordance with the manufacturer's recommendations. Provide two (2) 3/4" thickness of insulation where refrigerant piping is exterior to building.
- ADD 1-062 Page 23 00 00-56, Section 23 00 00, INSULATION (SHEET METAL), Article 2.27, paragraph B add the following sub-paragraph:
“5. Acoustically lined ductwork shall be wrapped with class 135 insulation such that the total insulation system achieves a minimum “R” value of R-6.”
- ADD 1-063 Page 23 00 00-57, Section 23 00 00, INSULATION (SHEET METAL), Article 2.27, paragraph F, sub-paragraph 2, a. shall be modified to read as follows:
“a. Insulation shall consist of 1½ inch thick rigid fiberglass board with reinforced foil vapor barrier cut to fit duct shape and applied by impaling insulation on pins attached to duct surface. Insulation shall have a minimum installed “R” value of R-6. Pins shall be located approximately 1 per square foot of surface. Insulation shall be secured on pins using metal washers with excess pin length trimmed. Seal seams and all vapor barrier penetrations using 4 inch wide reinforced foil tape self-sealing type or secured using vapor seal adhesive.”
- ADD 1-064 Page 23 00 00-57, Section 23 00 00, INSULATION (SHEET METAL), Article 2.27, paragraph F, sub-paragraph 3, a. shall be modified to read as follows:
“a. Insulation shall consist of minimum 2 inch thick flexible fiberglass blanket with reinforced foil vapor barrier with a minimum installed “R” value of R-6. Insulation shall be tightly wrapped around duct and secured using bonding adhesive covering not less than 50 percent of sheet metal surface. Seams and penetrations shall be sealed by using 4 inch wide reinforced foil tape self-sealing type or secured with vapor seal adhesive. The bottom of ducts over 24 inches wide shall have additional support for blanket consisting of pins attached to duct surface at a rate of 1 per 2 square feet, evenly spaced. Insulation shall be impaled on pins and secured using mechanical washers with excess pin length trimmed.”
- ADD 1-065 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.”
- ADD 1-066 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, 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 1-067 Page 23 00 00-105, 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.”

ADD 1-068 26 00 00-40, Section 26 00 00, FIRE ALARM SYSTEM, Article 2.21, Paragraph D, subparagraph 3, e, CHANGE TO READ “The equipment and completed installation shall meet the approval of the Fire Department, the Authorities Having Jurisdiction, and in accordance with applicable Sections of NFPA 72 for Auxiliary Fire Alarm Systems, and National Fire Codes.”

ADD 1-069 Page 33 30 00-19 Section 33 30 00, SANITARY SEWAGE UTILITIES (WWTP), Article 2.24, Paragraph C6. INSERT the following sentence:
 All wall openings to be cored in field.

ADD 1-070 Page 33 30 00-19 Section 33 30 00, SANITARY SEWAGE UTILITIES (WWTP), Article 2.24, Paragraph C8. REMOVE words “Kor-N-Seal” and REPLACE with “Link Seals”.

ADD 1-071 Page 33 00 00-19 Section 33 30 00 SANITARY SEWAGE UTILITIES (WWTP), Article 2.24, Paragraph C, ADD subparagraph C-11 as:

11. All baffle walls shown on the drawings shall be included with Precast Concrete Tanks and NOT poured or cast in place in the field.

ADD 1-072 Page 33 30 00-24 Section 33 30 00 SANITARY SEWAGE UTILITIES (WWTP), Article 3.7 Paragraph G: INSERT the following sentence:
 All PVC pipe ends shall be deburred to prevent shavings entering the process equipment.

ADD 1-073 Page 33 30 00-28 Section 33 30 00 SANITARY SEWAGE UTILITIES (WWTP), Article 3.11, Paragraph C, REMOVE first sentence and REPLACE with:
 All tank penetration shall be sealed water tight on inside with Link Seal and waterproofed with non-shrink waterproof grout on outside.

ADD 1-074 Page 33 40 00-6, Section 33 40 00, STORM DRAINAGE SYSTEMS, Article 2.8, REMOVE Paragraph D: “The nominal dimensions of the START chamber shall be 51.4 inches (1306 mm) wide, 30.3 inches (770 mm) tall, and 98.4 inches (2500 mm) long. The nominal dimensions of the MIDDLE chamber shall be 51.4 inches (1306 mm) wide, 30.3 inches (770 mm) tall, and 91.0 inches (2311 mm) long. The nominal dimensions of the END chamber shall be 51.4 inches (1306 mm) wide, 30.3 inches (770 mm) tall, and 92.0 inches (2337 mm) long. The nominal storage volume inside the chamber shall be 77 cubic feet (2.17 cubic meters) when utilizing 6” (152 mm) of stone above and below chamber with 40% stone porosity.” And replace with “Refer to the project plans for typical dimensions and sizing criteria.”

ADD 1-075 Page 33 40 00 – 8, Section 33 40 00, STORM DRAINAGE SYSTEMS, Article 2.12, Paragraph 2, INSERT the following subparagraph

1. Water Quality Flow rates for each unit are provided in the table below. Calculations must be provided to show the below criteria are met with the shop drawing for the treatment system submitted

Structure	Water Quality Flow (WQF)
TBF#1	0.121 cfs
TBF#2	0.121 cfs
TBF#3	0.091 cfs
TBF#4	0.106 cfs
TBF#5	0.064 cfs
TBF#6	0.074 cfs
TBF#7	0.096 cfs
TBF#8	0.067 cfs
TBF#9	0.075 cfs

TBF#10	0.067 cfs
TBF#11	0.100 cfs
TBF#12	0.113 cfs
TBF#13	0.169 cfs
TBF#14	0.167 cfs
TBF#15	0.167 cfs
TBF#16	0.124 cfs
TBF#17	0.106 cfs
TBF#18	0.138 cfs
TBF#19	0.131 cfs
TBF#20	0.131 cfs

- ADD 1-076 Page 43 21 00-8 Section 43 21 00 LIQUID PUMPS (WWTP), Article 2.1 Paragraph A, DELETE, The ENTIRE fifth subparagraph which begins with the words “The control panel and VFD’s....” and REPLACE with:
 The Control Panel and VFD’s controlling these pumps are included within the custom built PLC Control Panel by BIOPROCESS H2O. The Control Panel is part of proprietary waste treatment process equipment to be provided by BIOPROCESS.

- ADD 1-077 Page 43 21 00-8 Section 43 21 00 LIQUID PUMPS (WWTP), Article 3.1, paragraph A, REMOVE entire wording and REPLACE with:
 The pump system and controls are part of the proprietary wastewater treatment package by BIOPROCESS H2O. The Control Panel and VFD’s controlling these pumps are included within the custom built PLC Control Panel by BIOPROCESS H2O as part of the complete BIOPROCESS Treatment Package. The Control Panel is part of the proprietary waste treatment process because of its complexity.

- ADD 1-078 Page 44 41 13-1 Section 44 41 13 PACKAGED WATER TREATMENT PLANTS, Article 1.1, Paragraph D, REMOVE the word ‘Batch’ in first sentence and REPLACE with ‘Bio’.

- ADD 1-079 Page 44 41 13-2 Section 44 41 13 PACKAGED WATER TREATMENT PLANTS, Article 1.4 Paragraph A, Bullet 4, REMOVE the number (2) and REPLACE with the number (3).

- ADD 1-080 Page 44 41 13-2 Section 44 41 13, PACKAGED WATER TREATMENT PLANTS, Article 1.4, Paragraph A, Bullet 9, REMOVE the word ‘ultrasonic’ and REPLACE with the word ‘pressure’.

- ADD 1-081 Page 44 41 13-6 Section 44 41 13 PACKAGED WATER TREATMENT PLANTS, Article 1.8, Paragraph H, REMOVE in first sentence the words, ‘Twelve (12) months from date of start up, but not less than one full school year’: and REPLACE with the words, ‘a two (2) year warranty from the date of start up for’.

- ADD 1-082 Page 43 41 13-6 Section 44 41 13 PACKAGED WASTE TREATMENT PLANTS, Article 1.8, Paragraph I, REMOVE the last sentence and REPLACE with the words, “The Town of Plymouth requires a Process Warranty for a full two (2) years from date of startup”.

- ADD 1-083 Page 44 41 13-6 Section 44 41 13 PACKAGED WATER TREATMENT PLANTS, Article 1.10, Paragraph B, REMOVE entire paragraph and REPLACE with:
 The BIOPROCESS H2O process system manufacturer shall furnish the services of a competent and experienced factory-trained representative who has complete knowledge of proper operation and maintenance of the equipment. The representative shall be in attendance, for a period of not less than five (5) full working days, (eight [8] hours per day) onsite in a minimum of five (5) separate trips to inspect the installation of the BIOPROCESS treatment equipment, and the mechanical equipment, to provide instructions to the plant operating personnel, to assist in plant startup, to be present during the clear water test with the Commonwealth of Massachusetts Department of Environmental Protection, and to be present during the process performance test. Additional days

and trips, excluding those required to satisfy the process performance test, shall be reimbursed by the purchasing contractor to the manufacturer on a per diem basis.

ADD 1-084 Page 44 41 13-8 Section 44 41 13 PACKAGE WATER TREATMENT PLANTS, Article 1.14, Paragraph 1.14, Paragraph A, REMOVE paragraph and REPLACE with:
 All reactor operations are controlled from the Main Control Panel (MCP). The typical mode of operation is automatic based on operator input settings. The carbon and pH adjustment systems are controlled by dedicated controllers which will communicate the ORP/pH values to the MCP.

ADD 1-085 Page 44 41 13-11 Section 44 41 13 PACKAGED WATER TREATMENT PLANTS, Article 2.1, Paragraph A, Equipment List REMOVE the sixth item on that page: "Permeate Pump #2, P&ID Ref # P-0812, Description, Goulds 2ST-.5hp"; from the list.

ADD 1-086 Page 44 41 13-14, PACKAGED WATER TREATMENT PLANTS, Article 2.1, Paragraph A, Equipment List, INSERT the following to the Equipment List:

ITEM	P&ID REF #	DESCRIPTION
FET Feed Pump Level Transmitter	LT-0121	Mecoid Series PBLT2
FET Feed Pump Low Float	LS-0122	Connery
FET Feed Pump High Float	LS-0123	Connery
Portable Hoist		Thern Model 5110-M3 with cables and bases as specified

ADD 1-087 Page 44 41 13-14 Section PACKAGED WATER TREATMENT PLANTS, Article 2.1, INSERT new paragraph as follows:
 B. Portable Hoist package by Thern to include one (1) Crane 5110 with M5 winch with six (6) bases, eight (8) pumps/mixers with wire hook assemblies, six (6) base covers and eight (8) wire rope keepers.

ADD 1-088 Page 44 41 13-14 Section 44 41 13 PACKAGE WATER TREATMENT PLANTS, Article 2.3 paragraph C INSERT additional sentence as:
 Touch up paint kit only needs to be provided by Contractor if repair to scratches or marring occur during installation.

ADD 1-089 Page 44 41 13-15 Section 44 41 13 PACKAGED WATER TREATMENT PLANTS, Article 2.4, paragraph A, REMOVE entire paragraph and REPLACE with:
 An electrical Control Panel shall be installed within a NEMA 12 enclosure. The Control Console shall be provided for mounting as indicated on the plans. The Control Console shall be completely factory assembled and a point to point test performed prior to shipment. The Control Console shall be furnished with all necessary controls for operations of all MBR Treatment Plant equipment and FET Pump Station as shown on the contract drawings Electrical One-Line Diagram. A Programmable Logic Controller (PLC) shall be used to control all process plant functions communicating to a local Operator Interface Terminal (OIT). Controls shall be mounted to a removable sub-panel within the enclosure and shall be wired and spaced in accordance with the latest National Electrical Code. The Control console shall be supplied with properly sized magnetic-circuit breakers to act as the main disconnects for the Control Console. Magnetic starters or VFD's with overload protection shall be supplied for all blower motor units, pumps and mixers. Thermal Magnetic circuit breakers and motor wiring in the Control Cabinet shall be color coded in accordance with National Electric Code.

ADD 1-090 Page 44 41 13-15 Section 44 41 13 PACKAGED WATER TREATMENT PLANTS, Article 2.4, Paragraph C, REMOVE entire paragraph and REPLACE with:
 The Main Control Panel supplied by BIOPROCESS will include provisions for remote monitoring via an internet connection. IT connection to the new WWTP Control Panel to be provided by the Contractor. The Control Cabinet shall be mounted by the Contractor inside the WWTP Control Building.

- ADD 1-091 Page 44 41 13-15 Section 44 41 13 PACKAGED WATER TREATMENT PLANTS, Article 2.6 and 2.7, INSERT the following two paragraphs:
- 2.6 FIELD WIRING
 - A. Contractor to provide all wiring, conductors, junction boxes and supports to completely install and place into operation all Control Panels shown on the Contract Drawings.
 - 2.7 MAIN CONTROL PANEL
 - A. An electrical Control Panel shall be installed within a NEMA 12 enclosure. The Control Console shall be provided for mounting as indicated on the plans. The Control Console shall be furnished with all necessary controls for operations of all MBR Treatment Plant equipment and FET Pump Station as shown on the contract drawings Electrical One-Line Diagram. A Programmable Logic Controller (PLC) shall be used to control all process plant functions communicating to a local Operator Interface Terminal (OIT).
 - B. Controls shall be mounted to a removable sub-panel within the enclosure and shall be wired and spaced in accordance with the latest National Electrical Code. The Control console shall be supplied with properly sized magnetic-circuit breakers to act as the main disconnects for the Control Console. Magnetic starters or VFD's with overload protection shall be supplied for all blower motor units, pumps and mixers.
 - C. Each process blower shall be fitted with a VFD that is controlled via the PLC.
 - D. Alternator logic shall be furnished to alternate the operation of blower motor units and pump units.
 - E. All wire and conduit required between the Control Panel and the electrical power service, and conduit between the Control Panel and plant equipment shall be furnished and installed by the Contractor. See drawing for power requirements.

- ADD 1-092 Page 44 41 13-16 Section 44 41 13 PACKAGED WATER TREATMENT PLANTS, Article 3.5 INSERT the following additional articles after Article 3.5:
- 3.6 INSTALLATION OF EQUIPMENT
 - A. Control Panels shall be securely mounted to the floor or wall. Panels shall be mounted true and plumb. All field wiring shall be numbered and terminated on terminal strips within the Control Cabinets. All field wiring shall be numbered with the same numbering sequence used in the Main Control Panel.
 - 3.7 DEMONSTRATION OF EQUIPMENT
 - A. Prior to the application of power, the Contractor shall verify and tighten all field connections. All motors shall then be checked for proper rotation prior to a full functional test.
 - B. Equipment supplier shall record the full running current of all motors and submit this test data along with the operations and maintenance manual for the panel.
 - C. Equipment supplier shall demonstrate all functions of the Control Panel including:
 - 1. Manual operation of all pumps, motors and control valves
 - 2. Alternate sequencing of pumps and blowers
 - 3. Functioning of motor overload relays
 - 4. Automatic operation of pumps, motors and control valves
 - 5. Operation of all alarm conditions
 - D. Control Panel shall operate without undue heat or noise. All functions shall be reliable and repeatable.
 - E. Contractor shall work with the Control System Equipment supplier as needed for process startup and shall make available personnel to work with the manufacturer's representatives.

DRAWINGS:

- ADD 1-093 Drawing L3.3 – Landscape Details Plan No. 4
Detail 1 / Track Layout; REMOVE dimension “103'-11”” on the east side of the track in its entirety and REPLACE with dimension “138'-3””

- ADD 1-094 Drawing SS9.2 – W.W.T.P. INSIDE TANKAGE DETAILS
DETAIL Tunnel Tank Elevation View & Detail Tunnel Tank Top View; REMOVE note saying “concrete baffle wall (cast in field)” and REPLACE with note “concrete baffle wall to be precast with tank and not to be cast in field”.
- ADD 1-095 Drawing A1.04 – Partition Types
CLARIFICATION: Wall types shown on sheet A1.04 – Partition Types are typical and do not cover every condition on the project. For locations requiring spray applied fireproofing, refer to sheet G0.01 – Code Analysis as well as G0.02 through G0.04 - Fire Safety Plans.
- ADD 1-096 Drawing A3.05 – Exterior Elevations
Detail 2 / North Elevation; REMOVE Fire Department Connection graphic and keynote “21 00 00.09” by gridline M and RELOCATE the Fire Department Connection graphic and keynote “21 00 00.09” to Detail 1 on gridline K.
- ADD 1-097 Drawing A3.12 – Exterior Elevations
East Elevation; DELETE Fire Department Connection graphic and keynote “21 00 00.09”
- ADD 1-098 Drawing A3.17 – Enlarged Exterior Elevations
Detail 2 / Enlarged East Elevation; REMOVE window type “D” on the second floor level and REPLACE with window type “H”. Window type “H” shall be centered where window type “D” is shown.
- ADD 1-099 Drawing A6.05 – Exterior Window Details
Detail 1 / Window Head Detail; CLARIFICATION: The PVC trim, keynoted as 06 20 00.18 shall be furnished and installed by the General Contractor.
- ADD 1-0100 Drawing A6.10 – Storefront Types
Storefront Type 4; REMOVE storefront width dimension “11’ - 1-3/8”” and REPLACE with dimension “11’-4””
- ADD 1-0101 Drawing A6.13 – Storefront Details
Detail 2 / Storefront Head Detail; DELETE the portion of Plywood keynoted 06 10 00.43 located ABOVE the steel stud top track and BELOW the structural steel plate. SHIFT the steel stud top track up to be directly below the structural steel plate.
- ADD 1-0102 Drawing A6.30 – Louver Details
Detail 2 / Louver Jamb Detail & Detail 3 / Louver Head Detail; CLARIFICATION, Louver and hollow metal frame to be furnished and installed by the General Contractor. This louver/hollow metal system shall be installed by the General Contractor into a storefront frame furnished and installed by the Metal Windows Filed Sub-Bidder. Refer to SKA-005 & SKA-006 for additional information.
- ADD 1-0103 Drawing A7.01 – Room Finish Schedule
DELETE the following: “LIN LINEAR METAL SYSTEM (SECTION 09 54 26)” from the Finish Legend.
REMOVE “(SECTION 06 64 66)” after “WOOD ATHLETIC FLOORING” and REPLACE with “(SECTION 09 64 66)” in the Finish Legend.
- ADD 1-0104 Drawing A7.01 – Room Finish Schedule
REMOVE floor material “SHTV” for room 100A – Nurse Reception/Waiting & REPLACE with floor material “SHVT”
REMOVE floor material “SHTV” for room 100C – Storage & REPLACE with floor material “SHVT”
REMOVE floor material “SHTV” for room 100D – Exam & REPLACE with floor material “SHVT”

REMOVE floor material "SHTV" for room 100E – Nurse & REPLACE with floor material "SHVT"
REMOVE floor material "SHTV" for room 100G – Nurse Tech-ED & REPLACE with floor material "SHVT"
REMOVE floor material "SHTV" for room 100H – Nurse Resting & REPLACE with floor material "SHVT"
REMOVE floor material "SHTV" for room 100J – Storage & REPLACE with floor material "SHVT"
REMOVE floor material "VCT" for room 109 – Elec. & REPLACE with floor material "CONC. PAINTED"
REMOVE floor material "VCT" for room 209- Elec. & REPLACE with floor material "CONC. PAINTED"
REMOVE floor material "R" for room C101A – Monumental Stair 1 & REPLACE with floor material "CONC. POLISH"
REMOVE floor material "R" for room C102A – Monumental Stair 2 & REPLACE with floor material "CONC. POLISH"
REMOVE floor material "R" for room C201A – Monumental Stair 1 & REPLACE with floor material "CONC. POLISH"
REMOVE floor material "R" for room C202A – Monumental Stair 2 & REPLACE with floor material "CONC. POLISH"
REMOVE floor material "R" for room C301A – Monumental Stair 1 & REPLACE with floor material "CONC. POLISH"
REMOVE floor material "R" for room C302A – Monumental Stair 2 & REPLACE with floor material "CONC. POLISH"

ADD 1-0105 Drawing A9.81 – School Store Enlarged Plan, Elevations, and Details
Detail 12 / New and Existing Equipment List; Equipment SS2 – Ice Maker with Bin - REMOVE all "TBD" notations and REPLACE with the following:
Manufacturer: "SCOTSMAN"
Model #: CU3030MA-1
Overall Size: 30" W x 30" D x 33" H
Elec. Req.: 115V, 60Hz, 1PH

ADD 1-0106 Drawing A10.17 – Media Center Enlarged Elevation and Interior Details
Drawing A10.18 – Media Center Interior Plan Details
Drawing A10.43 – Student Dining Interior Elevations
CLARIFICATION: The graphic representation of the Storefront frames on these sheets are graphic representation only and should be used for overall dimensions as noted. Frame configuration may vary depending on manufacturer. Refer to interior elevations for whether aluminum frames are either storefront or curtainwall.

ADD 1-0107 Drawing A11.21 – Storage / Support / Restroom Facility
Detail 2 / Storage / Support / Restroom Facility RCP; REMOVE "ACT-X" text in the following rooms:
Boys Toilet – F102
Girls Toilet – F103
Team Room 1 – F104
Concessions – F105
And REPLACE with the following:
Boys Toilet – "ACT-3"
Girls Toilet – "ACT-3"
Team Room 1 – "ACT-3"
Concessions – "ACT-4"

- ADD 1-0108 Drawing A11.21 – Storage / Support / Restroom Facility
Detail 3 / Storage / Support / Restroom Facility Finished Sched.;
Room F102 – Boys Toilet, REMOVE Ceiling Material “ACT-X” and REPLACE with “ACT-3”
Room F103 – Girls Toilet, REMOVE Ceiling Material “ACT-X” and REPLACE with “ACT-3”
Room F104 – Team Room 1, REMOVE Ceiling Material “ACT-X” and REPLACE with “ACT-3”
Room F105 – Concessions, REMOVE Ceiling Material “ACT-X” and REPLACE with “ACT-4”
- ADD 1-0109 Drawing S1.12 – Foundation Plan Zone 2
Revise the reference to detail 8/S2.02 along column line 11.3 between column line K and column line L.5 to reference detail 1/S2.01
- ADD 1-0110 Drawing S1.21 – Second Floor Framing Plan Zone 1
Revise the references to detail 5/S3.04 along column line A.6 between column line 17 and column line 24 to reference detail 1/S3.06 (typical at windows). Add a reference to detail 5/S3.04 along column line A.6 between column line 17.9 and 19.9.
- ADD 1-0111 Drawing S1.21 – Second Floor Framing Plan Zone 1
Along column line K add a reference to detail 8/S3.09 (typical at windows) between column line 21.5 and column line 26 as well as between column line 26 and column line 27.
- ADD 1-0112 Drawing S1.22 – Second Floor Framing Plan Zone 2
Add a reference to detail 8/S3.09 (typical at windows) along column line K between column line 3 and column line 4.
- ADD 1-0113 Drawing S1.22 – Second Floor Framing Plan Zone 2
Add a reference to detail 8/S3.09 (typical at windows) along column line K between column line 6.2 and column line 6.8 as well as between column line 6.8 and column line 8.
- ADD 1-0114 Drawing S1.23 – Second Floor Framing Plan Zone 3
Revise the reference to detail 5/S3.04 along column line 20.1 between column line M.5 and column line N.2 to reference detail 1/S3.06.
- ADD 1-0115 Drawing S1.23 – Second Floor Framing Plan Zone 3
Add a referenced to detail 1/S3.06 along column line 20 between column line Q.4 and column line R as well as between column line R and column line T.
- ADD 1-0116 Drawing S1.27 – Second Floor Framing Plan Zone 7
Add a reference to detail 5/S3.14 (typical at windows) along column line 2 between column line TT.2 and column line UU as well as between column line UU and column line UU.8
- ADD 1-0117 Drawing S1.27 – Second Floor Framing Plan Zone 7
Add a reference to detail 6/S3.04 along column line 3.9 between column line SS and column line WW.
- ADD 1-0118 Drawing S1.31 – Third Floor Framing Plan Zone 1
Revise the reference to detail 9/S3.03 along column line J between column line 26 and column line 26.6 to reference detail 9/S3.05.

- ADD 1-0119 Drawing S1.31 – Third Floor Framing Plan Zone 1
Add a reference to detail 6/S3.14 along column line A.4 between column line 27.4 and column line 26.6.
- ADD 1-0120 Drawing S1.32 – Third Floor Framing Plan Zone 2
Add a reference to detail 6/S3.14 along column line A between column line 1 and column line 6.
- ADD 1-0121 Drawing S1.32 – Third Floor Framing Plan Zone 2
Add a reference to detail 6/S3.14 along column line 1 between column line B and column line C.
- ADD 1-0122 Drawing S1.32 – Third Floor Framing Plan Zone 2
Revise the reference to detail 9/S3.03 along column line H between column line 3 and column line 4 to reference detail 9/S3.05
- ADD 1-0123 Drawing S1.32 – Third Floor Framing Plan Zone 2
Revise the reference to detail 9/S3.03 along column line J between column line 4 and column line 6.2
- ADD 1-0124 Drawing S1.33 – Third Floor Framing Plan Zone 3
Revise the reference to detail 7/S3.05 (typical at windows) along column line 11 between column line M and column line N to reference detail 7A/S3.05.
- ADD 1-0125 Drawing S1.33 – Third Floor Framing Plan Zone 3
Add a reference to detail 7A/S3.05 along column line 11 between column line N and column line P.
- ADD 1-0126 Drawing S1.33 – Third Floor Framing Plan Zone 3
Revise the reference to detail 7/S3.05 (typical at windows) along column line 18 between column line M and column line N.2 to reference detail 7/S3.14.
- ADD 1-0127 Drawing S1.33 – Third Floor Framing Plan Zone 3
Revise the reference to detail 7/S3.05 (typical at windows) along column line 18 between column line P and column line Q to reference detail 7/S3.14.
- ADD 1-0128 Drawing S1.33 – Third Floor Framing Plan Zone 3
Add a reference to detail 7/S3.05 (typical at windows) along column line 18 between column line N.2 and P.
- ADD 1-0129 Drawing S1.33– Third Floor Framing Plan Zone 3
Revise the reference to detail 7/S3.05 (typical at windows) along column line 18 between column line T and column line T.8 to reference detail 7/S3.14.
- ADD 1-0130 Drawing S1.33– Third Floor Framing Plan Zone 3
Add a reference to detail 7/S3.14 along column line 18 between column line R and column line T.
- ADD 1-0131 Drawing S1.33– Third Floor Framing Plan Zone 3
Revise the reference to detail 7/S3.05 (typical at windows) along column line 11 between column line P and column line Q to reference detail 7/S3.14.

- ADD 1-0132 Drawing S1.34– Third Floor Framing Plan Zone 4
Revise the reference to detail 7/S3.05 along column line 12.7 between column line X and column line Y to reference detail 7A/S3.05.
- ADD 1-0133 Drawing S1.35– Third Floor Framing Plan Zone 5
Revise the reference to detail 9/S3.04 along column line 17.7 between column line KK and column line LL to reference detail 9A/S3.04.
- ADD 1-0134 Drawing S1.35– Third Floor Framing Plan Zone 5
Revise the reference to detail 1/S3.01 along column line 19 between column line LL and column line MM to reference detail 6/S3.05.
- ADD 1-0135 Drawing S1.35– Third Floor Framing Plan Zone 5
Revise the reference to detail 1/S3.01 along column line 19 between column line QQ.7 and column line RR to reference detail 6/S3.05.
- ADD 1-0136 Drawing S1.35– Third Floor Framing Plan Zone 5
Add a reference to detail 6/S3.05 along column line 19 between column line PP and column line QQ.
- ADD 1-0137 Drawing S1.36 – Third Floor Framing Plan Zone 6
Add a reference to detail 5A/S3.09 along column line 25 between column line SS.6 and column line TT.5 as well as between column line UU.5 and column line VV.4.
- ADD 1-0138 Drawing S1.36 – Third Floor Framing Plan Zone 6
Add a reference to detail 6/S3.05 along column line 19 between column line RR and column line SS.1.
- ADD 1-0139 Drawing S1.37 – Third Floor Framing Plan Zone 7
Revise the reference to detail 9/S3.04 along column line 6.3 between column line RR and column line SS to reference detail 9A/S3.04.
- ADD 1-0140 Drawing S1.37 – Third Floor Framing Plan Zone 7
Revise the reference to detail 9/S3.04 along column line 3.9 between column line SS and column line TT to reference detail 9A/S3.04.
- ADD 1-0141 Drawing S1.37 – Third Floor Framing Plan Zone 7
Revise the reference to detail 9/S3.04 along column line 3.9 between column line UU.8 and column line WW to reference detail 9A/S3.04.
- ADD 1-0142 Drawing S1.44 – Roof Framing Plan Zone 4
Revise the reference to detail 9/S3.04 along column line 22 between column line BB and column line CC to reference detail 9A/S3.04.
- ADD 1-0143 Drawing S1.44 – Roof Framing Plan Zone 4
Revise the reference to detail 1/S3.01 along column line 17.7 between column line FF and column line JJ to reference detail 6/S3.05.
- ADD 1-0144 Drawing FP1.11 – First Floor Plan Zone 1
Construction Shop, student work bay area, REMOVE sprinkler heads and branch piping.

- ADD 1-0145 Drawing P1.12 – First Floor Plan Zone 2
Auto Motive/Collision Shop, REMOVE under slab ductwork.
Chemical Storage, ADD plumbing notes.
Acid Tank Room, ADD plumbing notes.
- ADD 1-0146 Drawing P1.13 – First Floor Zone 3
Medical Assisting, Change P-13 fixtures to P-10 fixtures.
- ADD 1-0147 Drawing P1.16 First Floor Plan Zone 6 & 7
Athletic Support, ADD plumbing notes.
- ADD 1-0148 Drawing P1.21 Second Floor Plan Zone 1
Art Classroom, Change P-20 & P20H fixtures to P-16 and 16H.
Ceramics Classroom, Change P-20 & P20H fixtures to P-16 and 16H.
- ADD 1-0149 Drawing P2.1 Toilet Room Piping Part Plans
Part Plan A, change fixture P-4 to P-4A
Part Plan B, change P1.32 to P1.12 & change P-13 to P-13H.
Part Plan E, change P1.11 to P1.13.
Part Plan F, change P-16 to P-11.
Part Plan G, change P-13's to P-10's.
Part Plan J, change P1.1A to P1.13.
Part Plan K, change P-1A to P-1K & change P-3A to P-3K.
Part plan N, change P-10 to P-18.
Part Plan P, change P1.1a to P1.15.
Part Plan Q, change P1.1e to P1.16 & REMOVE P-21 & P-11.
Part Plan R, change P-3H to P-9 & P-17 to P-14.
- ADD 1-0150 Drawing P2.3 Culinary/Kitchen Water & Gas Piping Plans
Sanitary Lift Station Detail, REMOVE explosion proof from junction box note.
- ADD 1-0151 Drawing P2.4 Science Class Rooms Plans & Details
Science Classroom, ADD plumbing notes.
Science Classroom, ADD plumbing notes.
Science Classroom, ADD plumbing notes.
Science Prep Room 1, ADD plumbing notes.
Part Plan, Chemical Storage Room Vac., Gas. & Water Piping Partial Plan "A", ADD piping and plumbing notes.
- ADD 1-0152 Drawing M1.13 First Floor Ductwork Plan Zone 3 Mechanical
Add access panels for ductwork clean-out.
- ADD 1-0153 Drawing M1.14 First Floor Ductwork Plan Zone 4 Mechanical
Add access panels for ductwork clean-out.
- ADD 1-0154 Drawing ES.1 Site Electrical Renovation Plan
Add receptacle at finish line.
Revise Key Note 1.
- ADD 1-0155 Drawing ES.4 Site Plan Details Electrical Continued
Revise Primary Electric Service Conduit to 4".
Revise Ductbank A-A.
Revise Ductbank D-D.
Delete 5" Spare Conduit.
Add Pressure Treated Wood Mounted Receptacle Detail.
- ADD 1-0156 Drawing ES.8 Storage, Support, and Restroom Facility Alternate No. 2
Revise circuiting.

- Add weatherproof exterior strobe.
- ADD 1-0157 Drawing E0.1 Electrical Legend
Revise symbol descriptions.
- ADD 1-0158 Drawing E0.2 Typical Conduit and Back Box and Conduit Details
Revise Types D, L, L1, L2 and L3 lighting fixtures.
- ADD 1-0159 Drawing E1.13L, E1.14L, E1.15L, and E1.16L First Floor Lighting Plan Zone 3,4,5,6 and 7 Electrical
Revise lighting.
Revise occupancy sensors.
Revise switching.
Revise circuiting.
- ADD 1-0160 Drawing E1.21L First Floor Lighting Plan Zone 2 Electrical
Revise lighting.
- ADD 1-0161 Drawing E1.31L and E1.33L Third Floor Lighting Plan Zone 1 and 3 Electrical
Revise lighting.
Revise occupancy sensors.
Revise switching.
- ADD 1-0162 Drawing E1.12P and E1.13P First Floor Power Plan Zone 2 and 3 Electrical
Add flush valve circuits.
Change hot water heaters and associated pumps to emergency power.
Change receptacles to emergency power.
Delete existing fire pump annunciator.
Delete generator annunciator.
Add note to secure hardwired equipment to equipment itself.
Delete two RW system booster pumps.
- ADD 1-0163 Drawing E1.14P, E1.15P, and E1.16P First Floor Power Plan Zone 4, 5, and 6 Electrical
Add flush valve circuits.
Change receptacles to emergency power.
Add door holder.
Add existing fire pump annunciator.
Add generator annunciator.
- ADD 1-0164 Drawing E1.21P, E1.22P, E1.24P, and E1.26P Second Floor Power Plan Zone 1, 2, 4, and 6 Electrical
Add emergency receptacle in cabinet.
Add 6 solar panels.
Add two receptacles on roof near elevator louvers.
Add shop outlets.
- ADD 1-0165 Drawing E1.32P Third Floor Power Plan Zone 2 Electrical
Add receptacle on roof near elevator louver.
- ADD 1-0166 Drawing E2.5 Fire Alarm Riser Diagrams
Revise School Fire Alarm Riser Diagram.
- ADD 1-0167 Drawing E2.5 Fire Alarm Riser Diagrams
Revise New Waste Water Treatment Facility Alternate No. 1 Fire Alarm Riser Diagram.
- ADD 1-0168 Drawing E2.5 Fire Alarm Riser Diagrams
Add Matrixes.

- ADD 1-0169 Drawing E1.8 Auditorium and Small Group Seminar Schedules
Revise DR1 Schedule.
Revise DRS-2 Schedule.
- ADD 1-0170 Drawing E2.4 Riser Diagrams
Revise generator circuit breaker feeding ATS-1.
Revise size of ATS-1.
Revise feeder size from generator to ATS-1.
- ADD 1-0171 Drawing E2.6 Electrical Schedules
Revise Switchboard Schedule.
Revise Distribution Panelboard OEDP Schedule.
- ADD 1-0172 Drawing E2.9 Electrical Panel Schedules
Revise panel schedules.
- ADD 1-0173 Drawing E2.11 Electrical Panel Schedules
Revise panel schedules.
- ADD 1-0174 Drawing E2.13 Electrical Panel Schedules
Revise panel schedules.
- ADD 1-0175 Drawing E2.14 Electrical Panel Schedules
Revise panel schedules.
- ADD 1-0176 Drawing E2.16 Electrical Panel Schedules
Revise panel schedules.

End of Addendum 1

Document 00 54 22
 BID ATTACHMENT
 UNIT PRICES SCHEDULE

- A. Unit Prices: General Bidders are required to complete this Document 00 54 22 – BID ATTACHMENT UNIT PRICES SCHEDULE and attach the same to Document 00 41 13 – FORM FOR GENERAL BID. Bids submitted without this documentation will be considered non-responsive.
- B. Unit prices: Should certain additional work be required, or should the quantities of certain classes of work be increased or decreased from those upon which the Bid is based, as authorized by the Owner, the undersigned agrees that the following supplemental unit prices represent the exact net amount per unit to be paid the Contractor (in the case of additions or increases) or credited to the Owner (in the case of decrease), without further adjustment for overhead, profit, insurance, compensation insurance or other direct or indirect expenses of the Contractor.
- C. Schedule of Unit Prices

	Item	Spec. Section	Unit of Measure	Unit Cost Add	Unit Cost Deduct	Bid Quantity	Bid Price
1.	Abatement of asbestos containing floor tile and mastic	02 82 20	Square foot	\$.....	\$.....	120,000 square feet	\$.....
2.	Abatement of interior windows	02 82 20	Each	\$.....	\$.....	250	\$.....
3.	Abatement of interior doors with windows	02 82 20	Each	\$.....	\$.....	200	\$.....
4.	Abatement of existing sinks	02 82 20	Each	\$.....	\$.....	10	\$.....
5.	Abatement of existing blackboards	02 82 20	Each	\$.....	\$.....	160	\$.....
6.	Abatement of existing light fixtures	02 82 20	Each	\$.....	\$.....	650	\$.....
7.	Abatement of rubber gymnasium flooring and mastic and 1 inch of cement	02 82 20	Square foot	\$.....	\$.....	9,300 square feet	\$.....
8.	Abatement of exterior windows	02 82 20	Each	\$.....	\$.....	520	\$.....

9.	Abatement of vertical caulking	02 82 20	Linear foot	\$.....	\$.....	350 linear feet	\$.....
10.	Abatement of underground piping	02 82 20	Linear foot	\$.....	\$.....	2,500 linear feet	\$.....
11.	Removal and replacement of unsuitable soil	31 00 00	Cubic yard	\$.....	\$.....	1,000 cubic yards	\$.....
12.	Rock removal	31 00 00	Cubic yard	\$.....	\$.....	0	\$.....

End of Document

15. THE CONTRACTOR IS RESPONSIBLE FOR INVESTIGATION OF ALL AREAS IDENTIFIED IN THE PHASE I ESA FOR THE SITE AS POTENTIAL SOURCES OF CONTAMINATION. INVESTIGATIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL.

- DURING DEMOLITION OF THE ELEVATOR PIT LOCATED WITHIN THE SCHOOL BUILDING SOIL AND/OR GROUNDWATER IN THE VICINITY OF THE ELEVATOR PIT SHOULD BE SCREENED AND ANALYZED FOR THE POTENTIAL PRESENCE OF PETROLEUM CONTAMINATION.

- DURING DEMOLITION OF THE AUTOMOTIVE STORAGE BARN, SOIL AND/OR GROUNDWATER SHALL BE SCREENED (I.E., VISUAL, OLFACTORY, TVOC SCREENING) TO DETERMINE WHETHER EVIDENCE OF CONTAMINATION EXISTS.

- DURING DEMOLITION OF ANY AND ALL DRAINAGE STRUCTURES FOUND TO HAVE OPEN LEACHING BOTTOMS, SURROUNDING SOIL SHOULD BE SCREENED AND ANALYZED FOR PETROLEUM CONTAMINATION.

- DOCUMENTATION OF INVESTIGATIONS AND CONCLUSIONS SHALL BE PROVIDED TO THE ARCHITECT. IN THE EVENT THAT CONTAMINATION IS ENCOUNTERED, NOTIFY THE ARCHITECT IMMEDIATELY. ALL MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. DOCUMENTATION OF DISPOSAL SHALL BE PROVIDED TO THE ARCHITECT.

SKC-001A
ADD-1

ADDENDUM 1



526 Boston Post Road
Wayland, MA 01778

TEL. 508.358.0790
FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	AWB	SKC-001A
SCALE:	NTS	
JOB NO:	13102.00	
DATE:	06/05/2015	
REF DWG:		C1.1

15. THE CONTRACTOR IS RESPONSIBLE FOR INVESTIGATION OF ALL AREAS IDENTIFIED IN THE PHASE I ESA FOR THE SITE AS POTENTIAL SOURCES OF CONTAMINATION. INVESTIGATIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL.

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SKC-001B
ADD-1

ADDENDUM 1



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Wayland, MA 01778

TEL. 508.358.0790
FAX. 508.358.0791

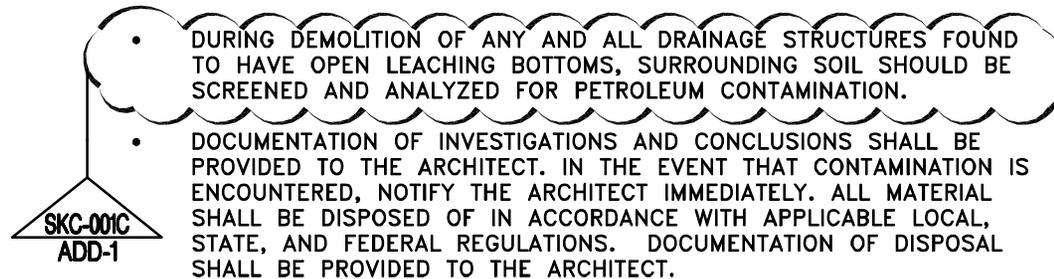
PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	AWB	SKC-001B
SCALE:	NTS	
JOB NO:	13102.00	REF DWG: C1.2
DATE:	06/05/2015	

15. THE CONTRACTOR IS RESPONSIBLE FOR INVESTIGATION OF ALL AREAS IDENTIFIED IN THE PHASE I ESA FOR THE SITE AS POTENTIAL SOURCES OF CONTAMINATION. INVESTIGATIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL.

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ADDENDUM 1



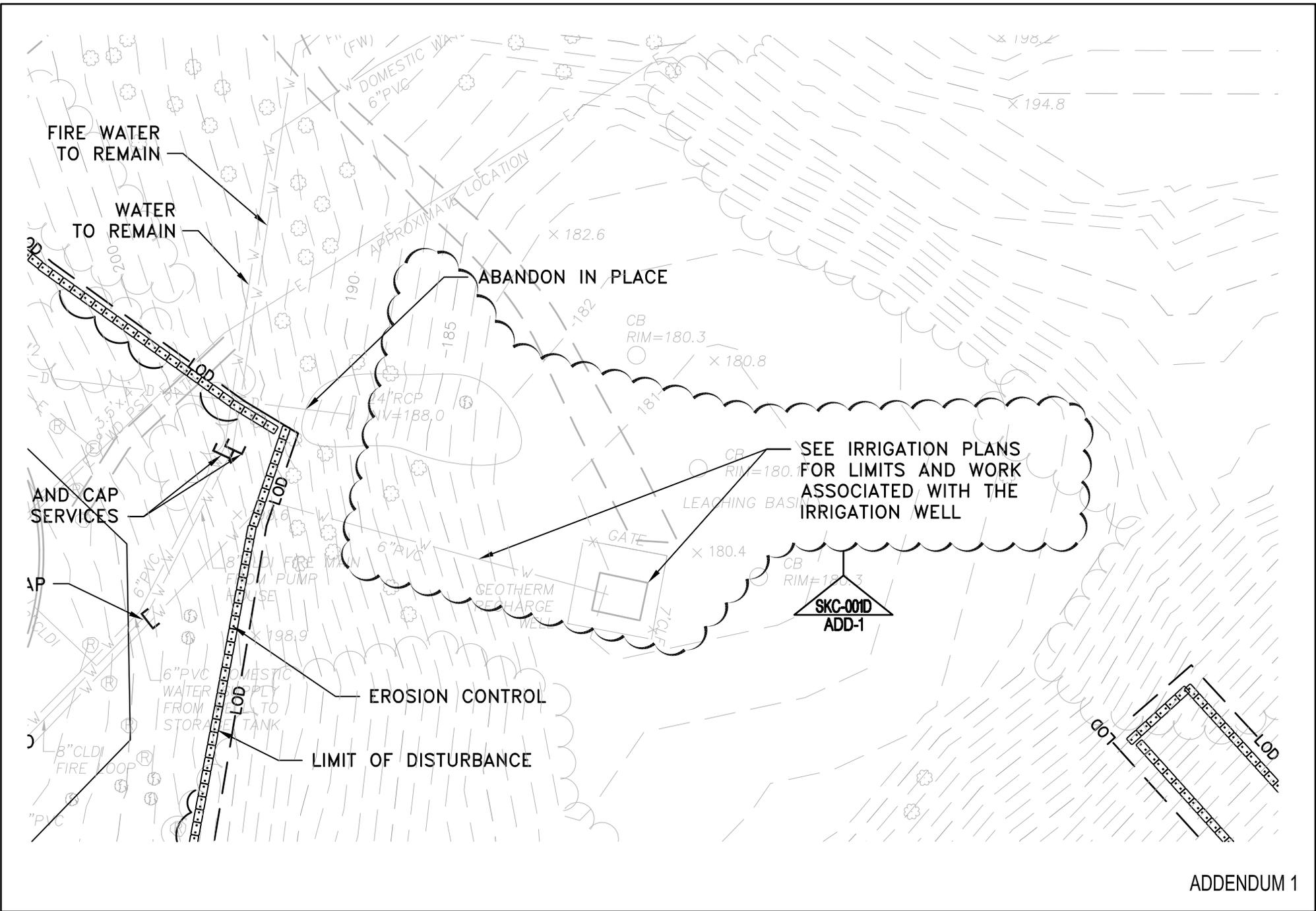
526 Boston Post Road
Wayland, MA 01778

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FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	AWB	SKC-001C
SCALE:	NTS	
JOB NO:	13102.00	
DATE:	06/05/2015	
REF DWG:		C1.3



ADDENDUM 1



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PLYMOUTH SOUTH HIGH SCHOOL
 Plymouth, MA

DRAWN BY:	AWB	SKC-001D
SCALE:	1"=30'	
JOB NO:	13102.00	
DATE:	06/05/2015	
REF DWG:	C1.3	

15. THE CONTRACTOR IS RESPONSIBLE FOR INVESTIGATION OF ALL AREAS IDENTIFIED IN THE PHASE I ESA FOR THE SITE AS POTENTIAL SOURCES OF CONTAMINATION. INVESTIGATIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL.

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SKC-001E
ADD-1

ADDENDUM 1



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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	AWB	SKC-001E
SCALE:	NTS	
JOB NO:	13102.00	
DATE:	06/05/2015	
REF DWG:		C1.4

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SKC-001F
ADD-1

ADDENDUM 1



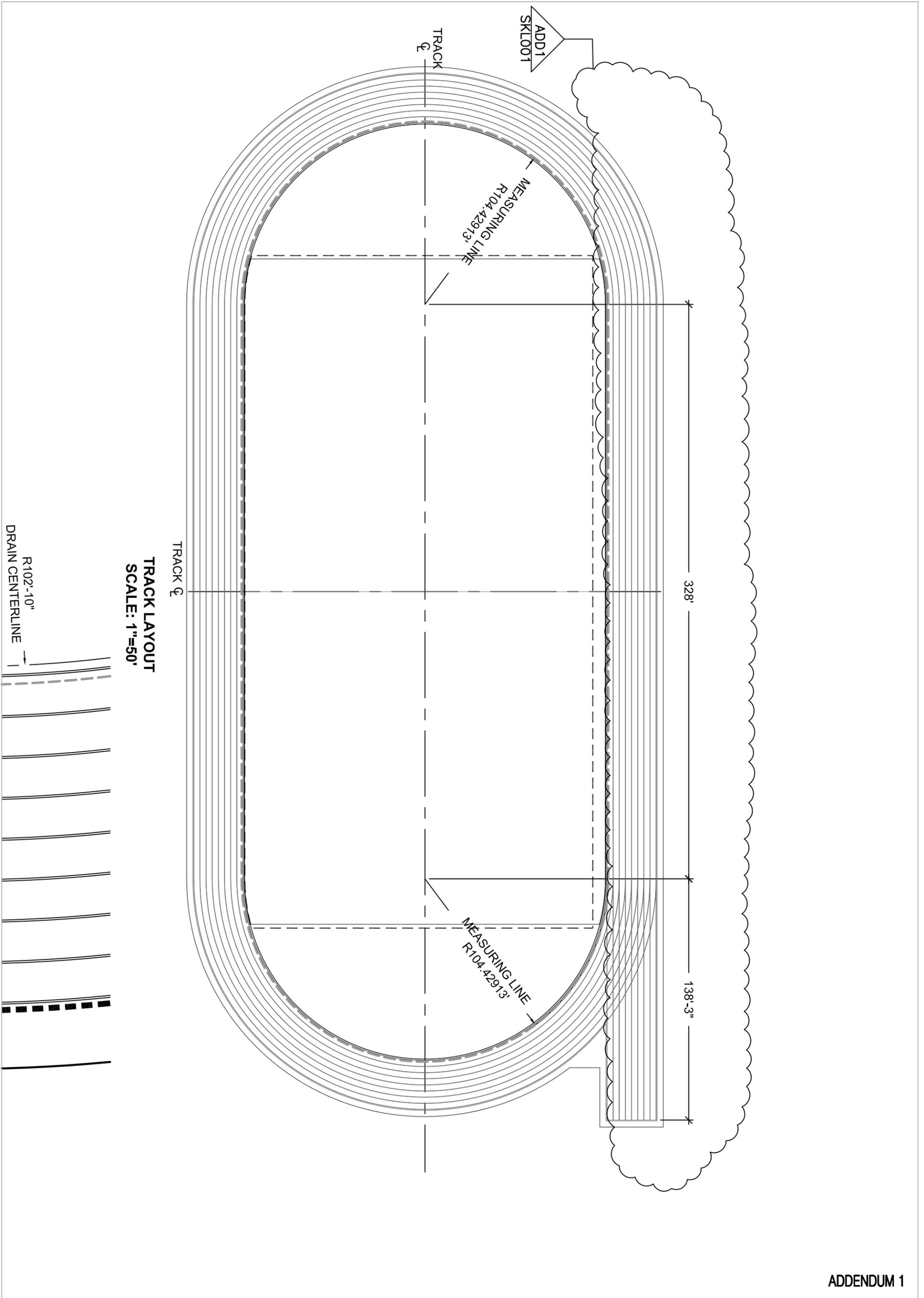
526 Boston Post Road
Wayland, MA 01778

TEL. 508.358.0790
FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	AWB	SKC-001F
SCALE:	NTS	
JOB NO:	13102.00	REF DWG: C1.5
DATE:	06/05/2015	

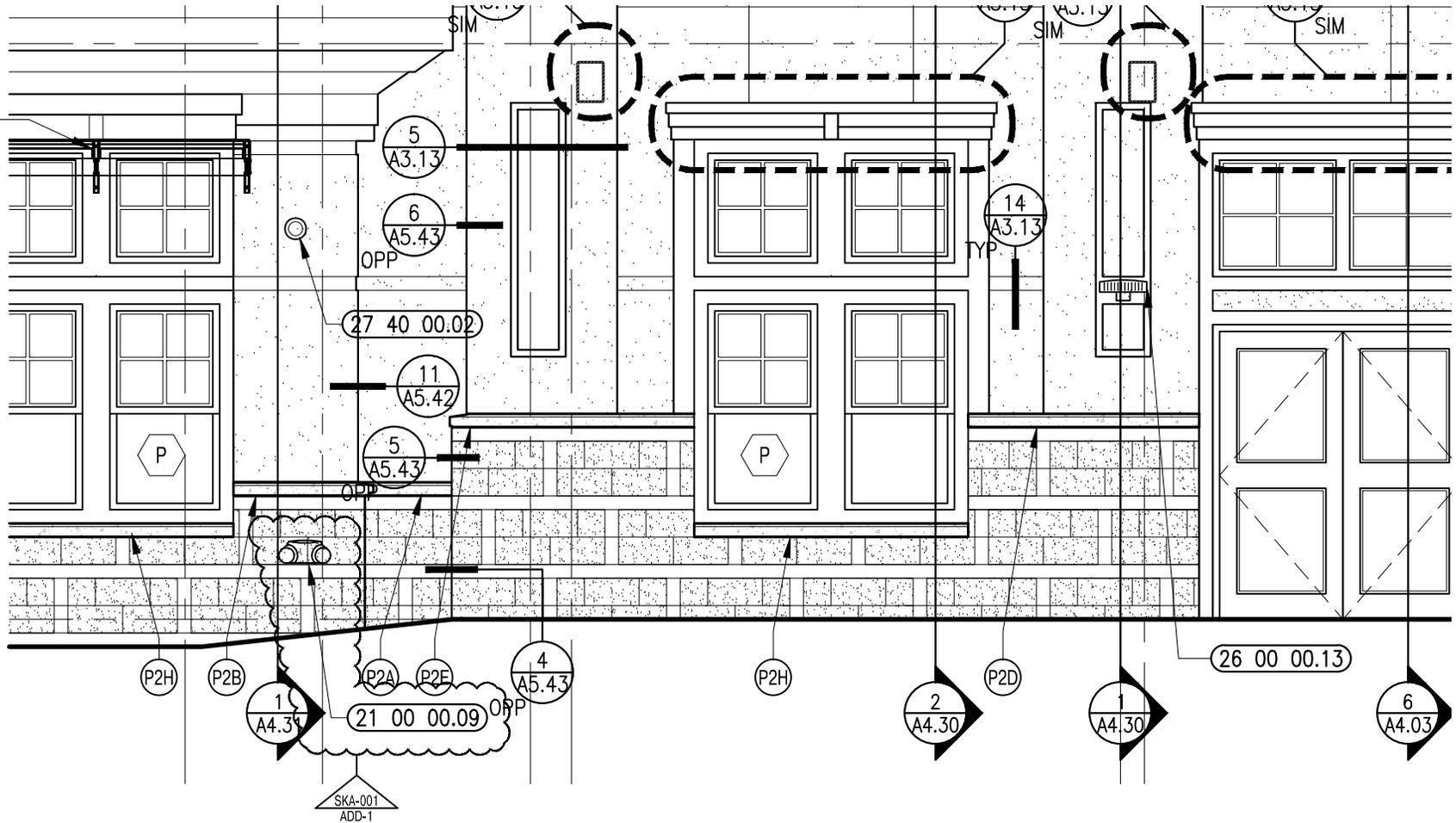


TRACK LAYOUT
SCALE: 1"=50'

R102'-10"
DRAIN CENTERLINE

ADDENDUM 1

10 71 13.01
TYPE B



1 ENLARGED SOUTH ELEVATION
1/4"=1'-0"

ADDENDUM 1



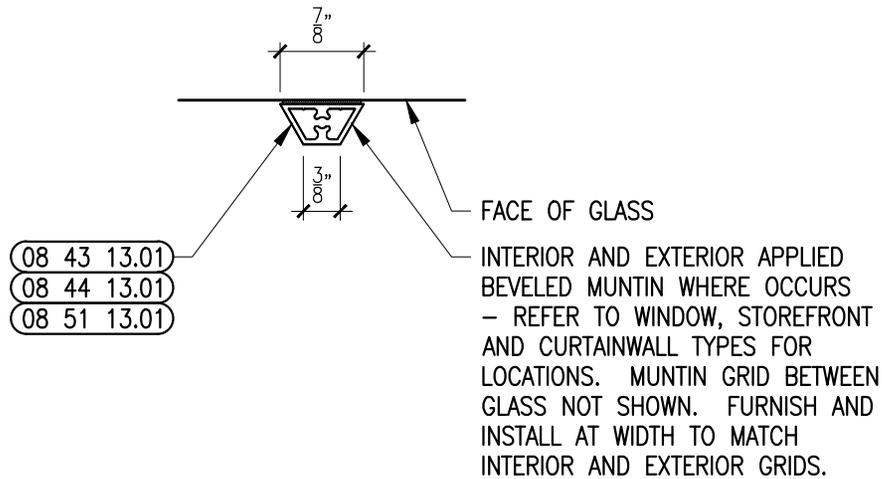
526 Boston Post Road
Wayland, MA 01778
TEL. 508.358.0790
FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY: JPT
SCALE: 1/4" = 1'-0"
JOB NO: 1308.00
DATE: 6/5/2015

SKA-001
REF DWG: A3.13



NOTE: MUNTINS SHALL BE FURNISHED AND INSTALLED IN LITE PATTERNS AS ELEVATED. SPACING IS TO PROVIDE EQUAL SIZE LITES WITHIN EACH SASH.

2 DETAIL @ MUNTIN
 6" = 1'-0"

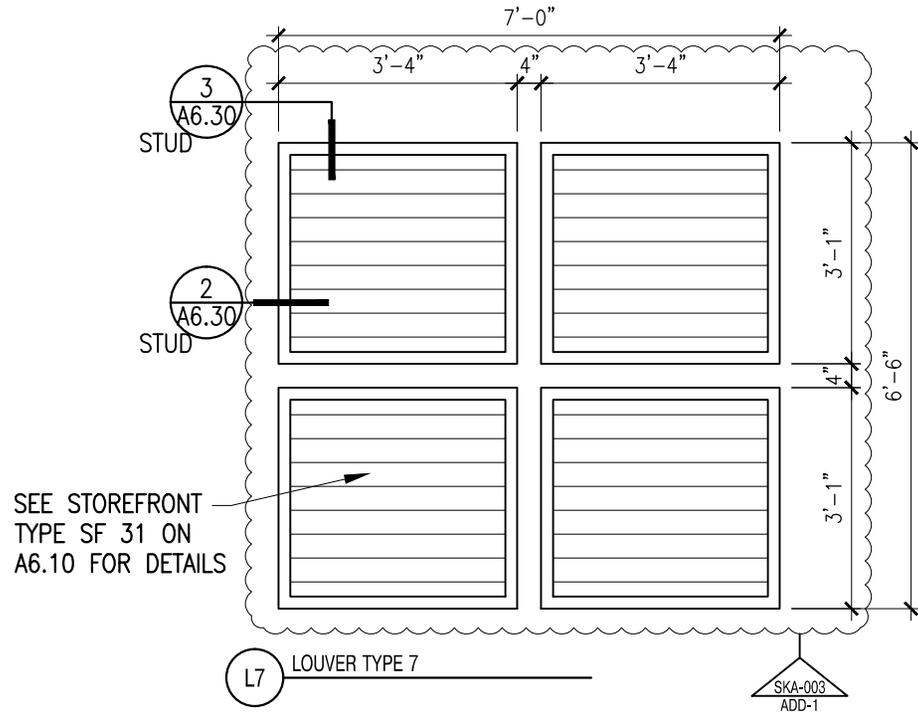
ADDENDUM 1



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 FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL
 Plymouth, MA

DRAWN BY:	JPT	SKA-002
SCALE:	6" = 1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	A6.01	



2 LOUVER TYPES
 3/8" = 1'-0"

ADDENDUM 1

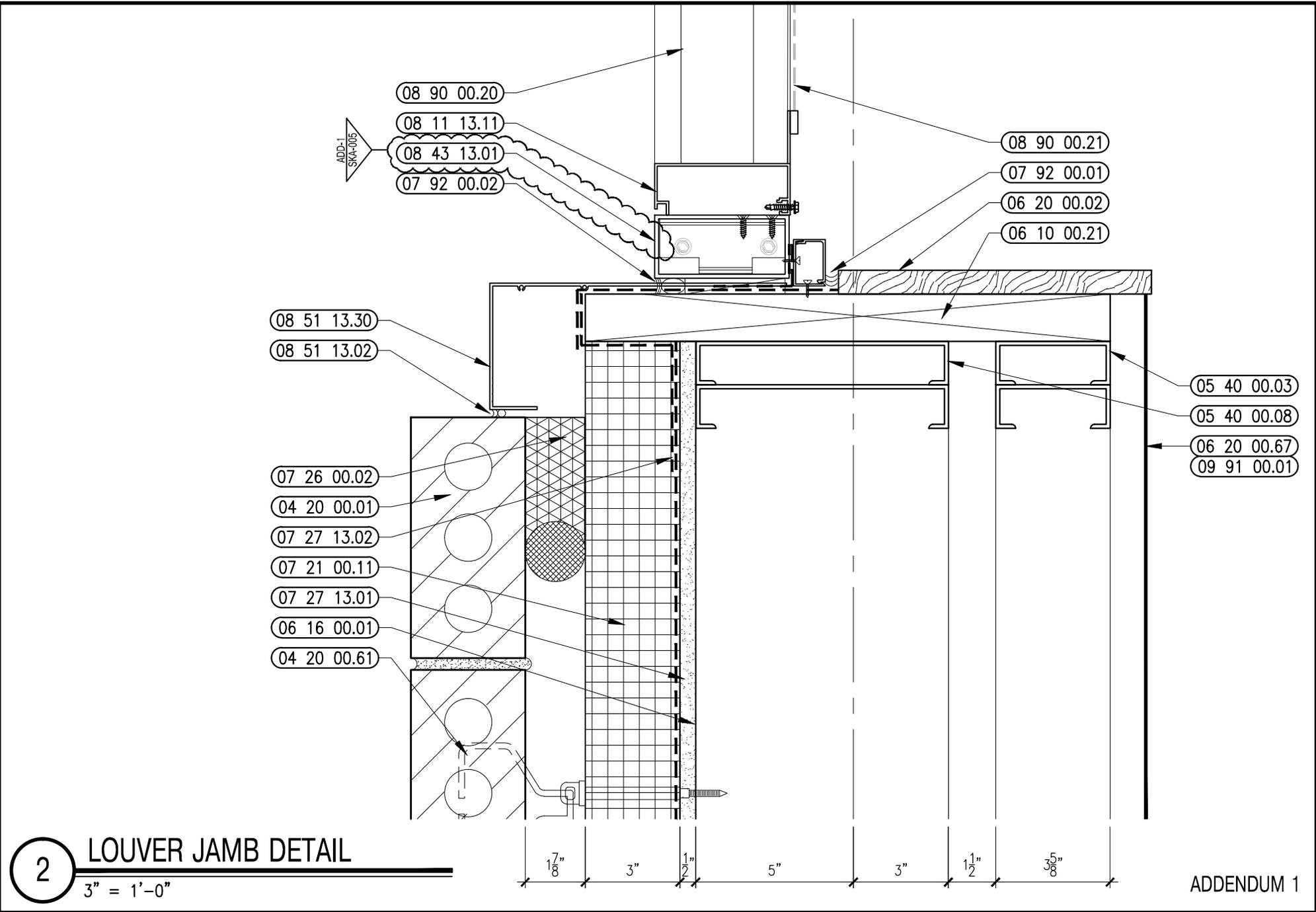


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 FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL
 Plymouth, MA

DRAWN BY:	JPT
SCALE:	3/8" = 1'-0"
JOB NO:	1308.00
DATE:	6/5/2015

SKA-003
REF DWG: A6.21



ADDENDUM 1

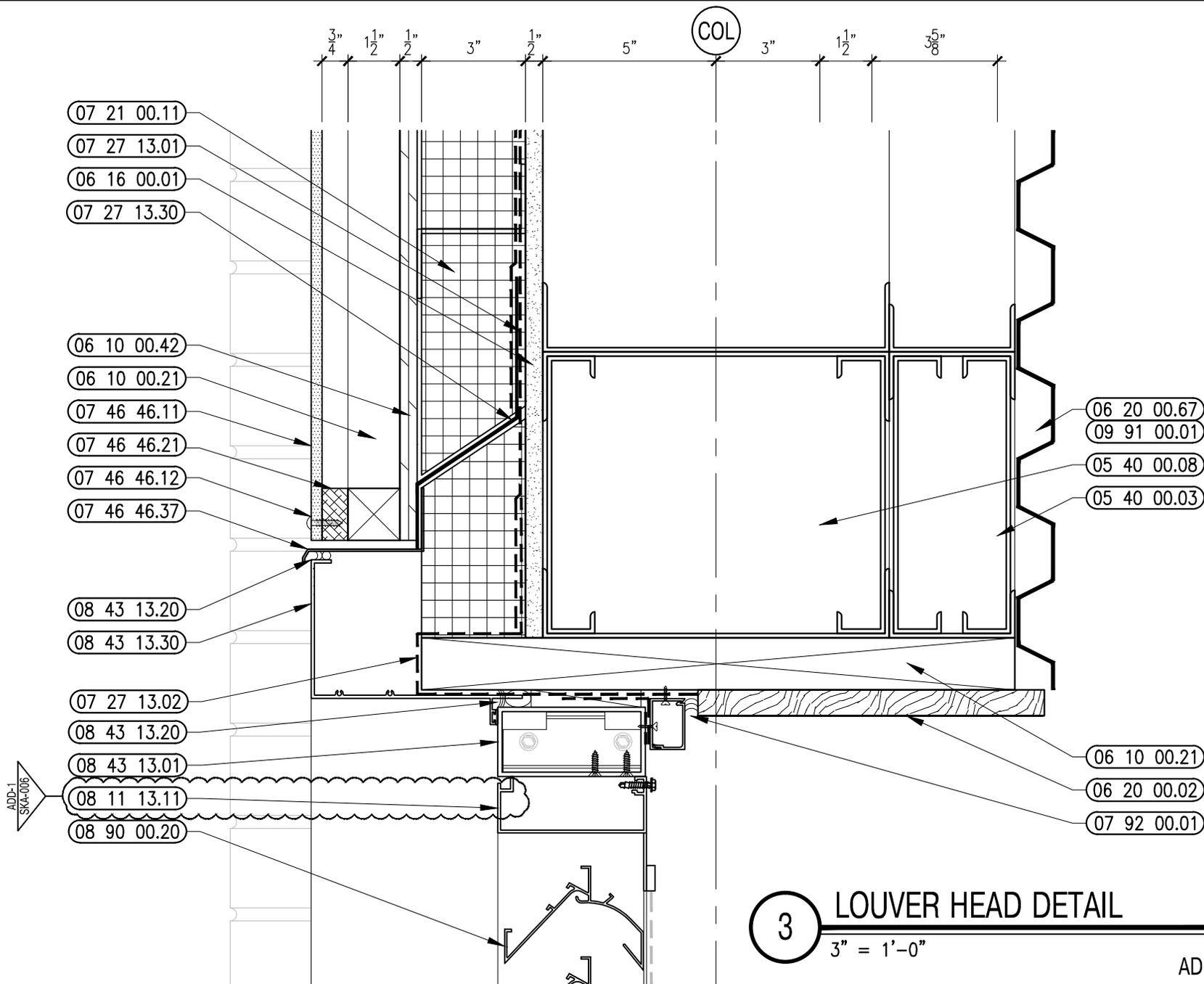


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 FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL
 Plymouth, MA

DRAWN BY: JPT
 SCALE: 3" = 1'-0"
 JOB NO: 1308.00
 DATE: 6/5/2015

SKA-005
 REF DWG: A6.30



ADD-1
SKA-006

3 LOUVER HEAD DETAIL
3" = 1'-0"

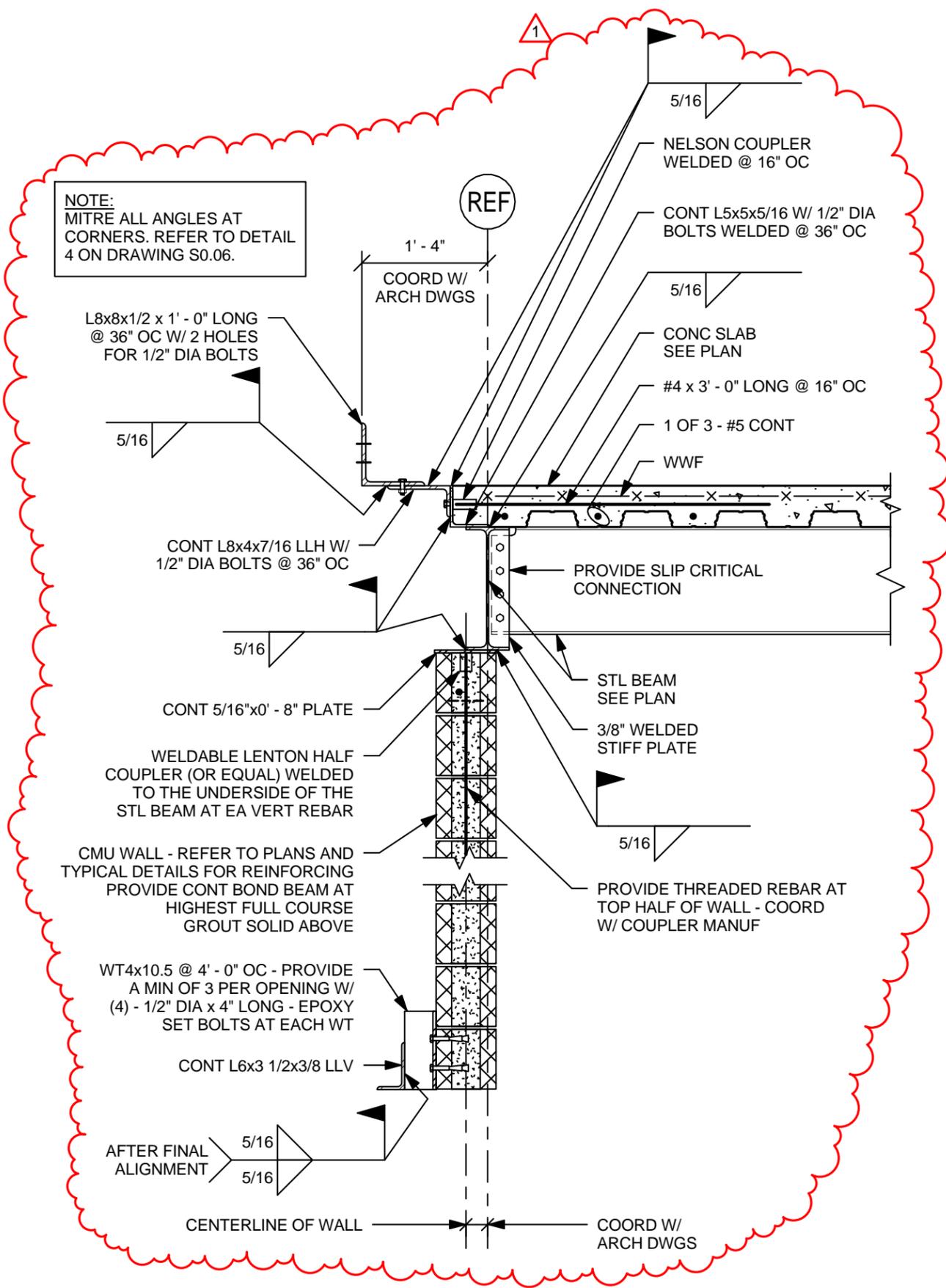
ADDENDUM 1



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TEL. 508.358.0790
FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY:	JPT	SKA-006
SCALE:	3" = 1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:		A6.30



ADDENDUM 1



526 Boston Post Road
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FAX. 508.358.0791

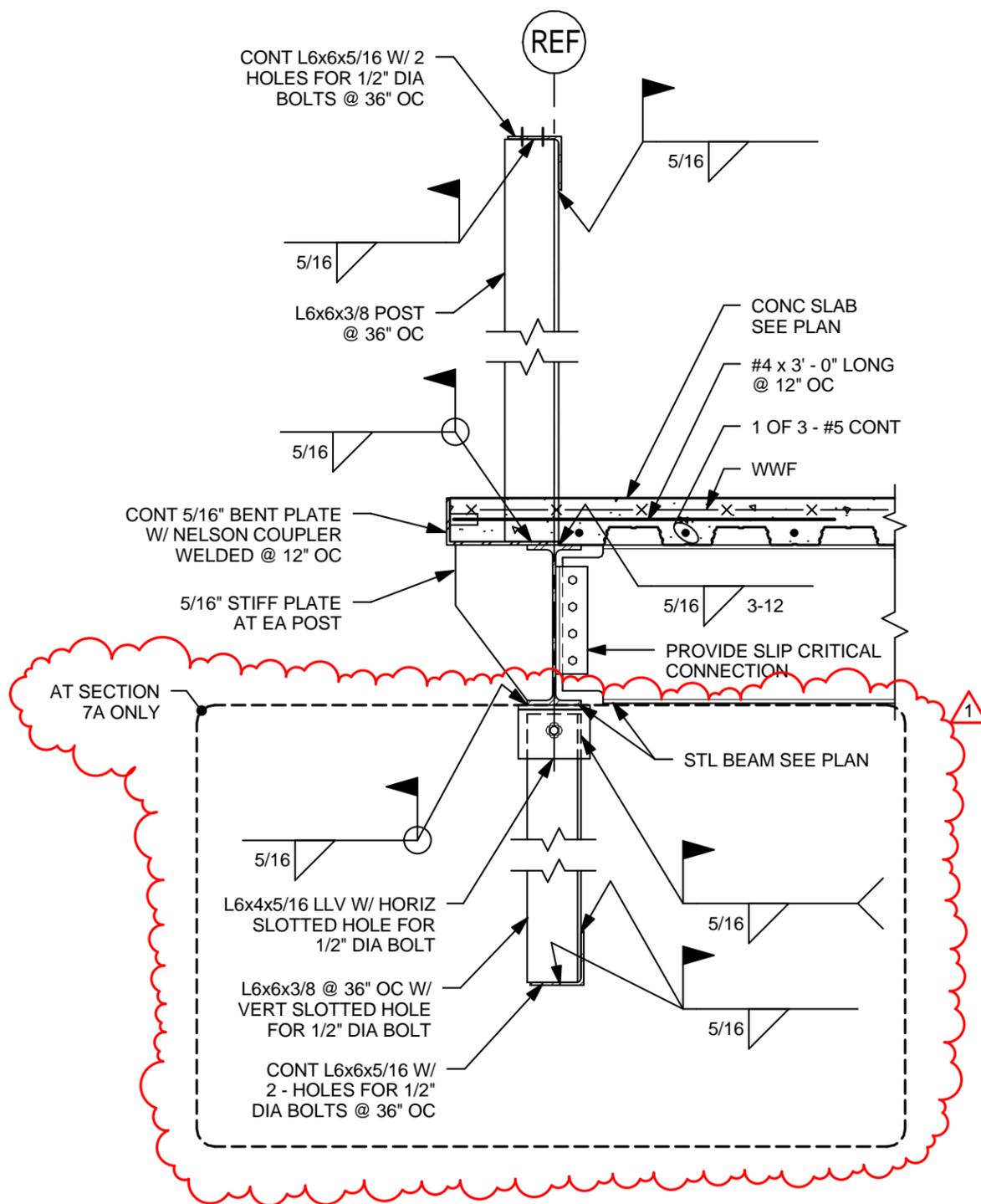
PLYMOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	DRD
SCALE:	NO SCALE
JOB NO:	1308.00
DATE:	JUNE 5, 2015

SKS-001

REF DWG: 5/S3.14



ADDENDUM 1



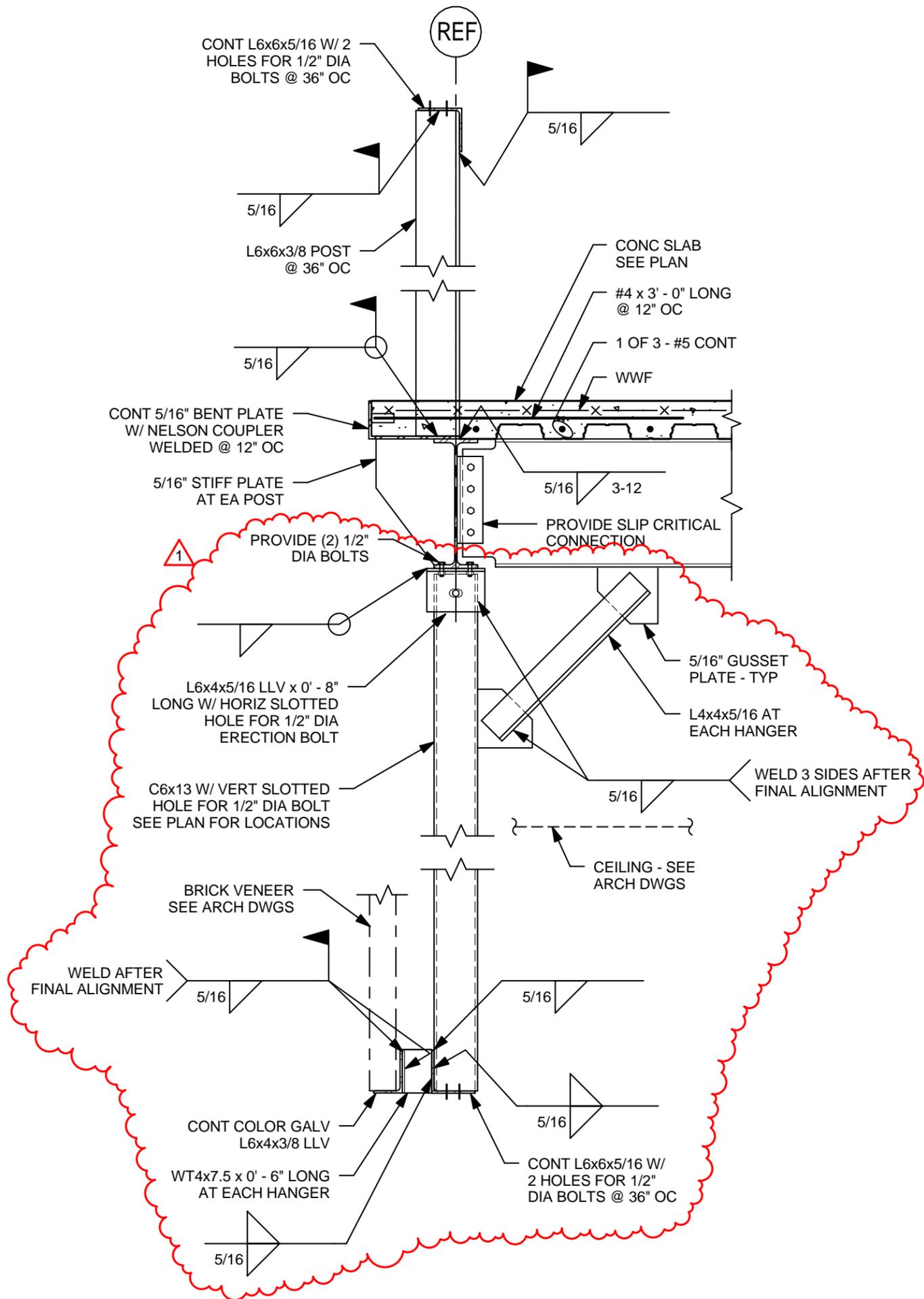
526 Boston Post Road
Wayland, MA 01778
TEL. 508.358.0790
FAX. 508.358.0791

PLYMOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY:	DRD
SCALE:	NO SCALE
JOB NO:	1308.00
DATE:	JUNE 5, 2015

SKS-003

REF DWG: 7 + 7A/S3.05



ADDENDUM 1



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PLYMOUTH HIGH SCHOOL

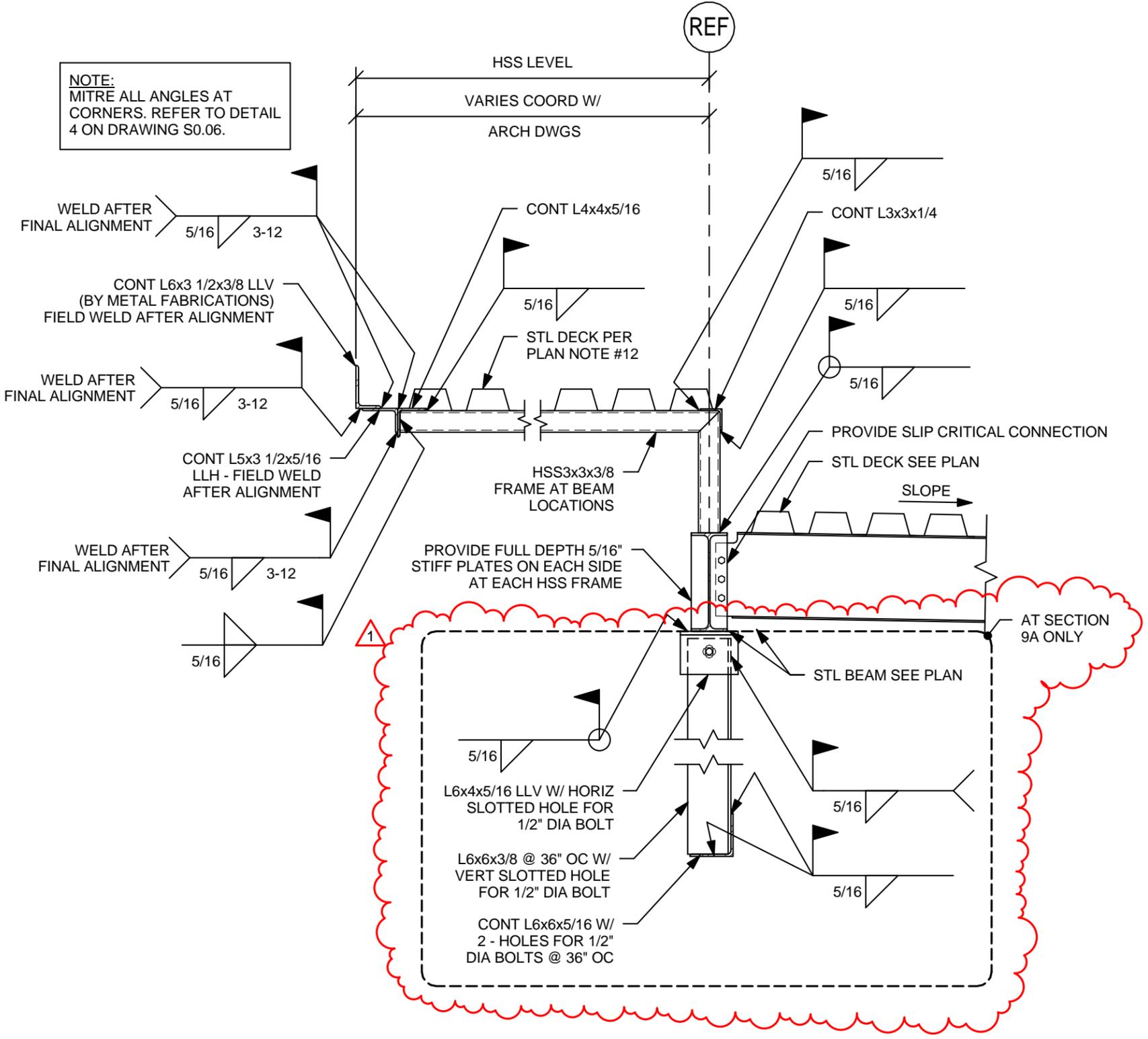
Plymouth, MA

DRAWN BY:	DRD
SCALE:	NO SCALE
JOB NO:	1308.00
DATE:	JUNE 5, 2015

SKS-004

REF DWG: 7/S3.14

NOTE:
MITRE ALL ANGLES AT
CORNERS. REFER TO DETAIL
4 ON DRAWING S0.06.



ADDENDUM 1



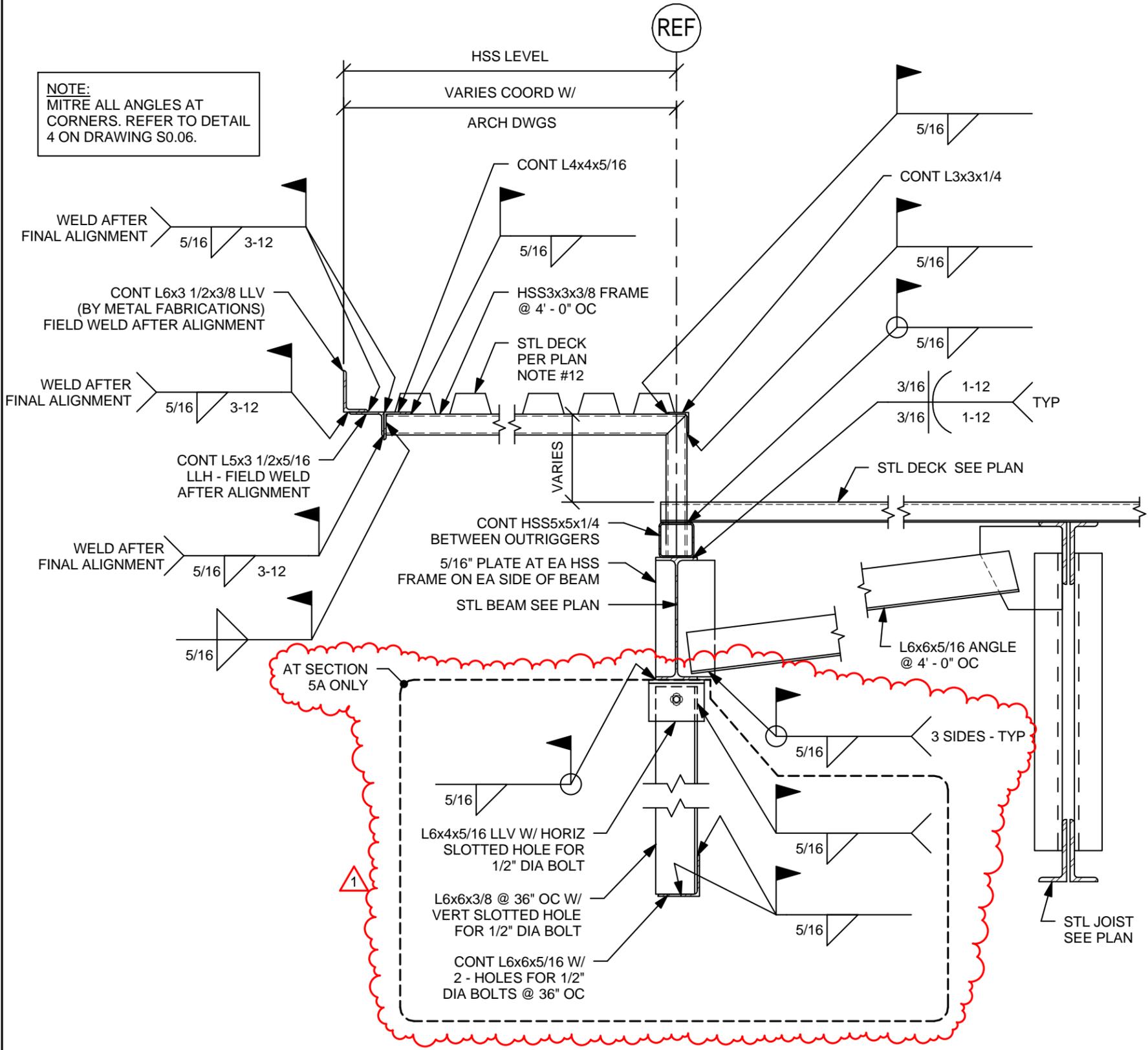
526 Boston Post Road
Wayland, MA 01778
TEL. 508.358.0790
FAX. 508.358.0791

PLYMOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY:	DRD	SKS-005
SCALE:	NO SCALE	
JOB NO:	1308.00	
DATE:	JUNE 5, 2015	
		REF DWG: 9 + 9A/S3.04

NOTE:
MITRE ALL ANGLES AT
CORNERS. REFER TO DETAIL
4 ON DRAWING S0.06.

REF



ADDENDUM 1



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FAX. 508.358.0791

PLYMOUTH HIGH SCHOOL
Plymouth, MA

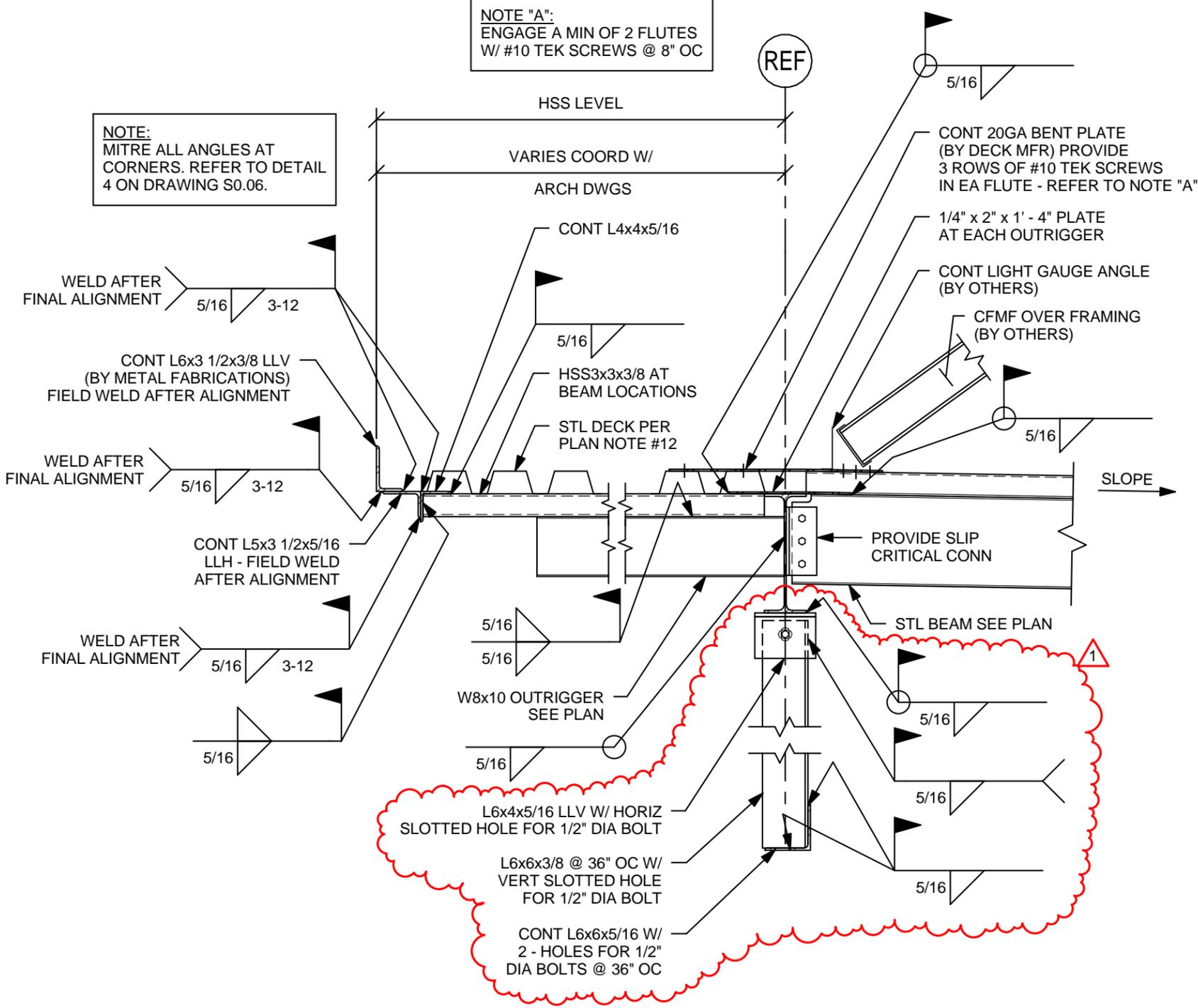
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JOB NO: 1308.00
DATE: JUNE 5, 2015

SKS-006

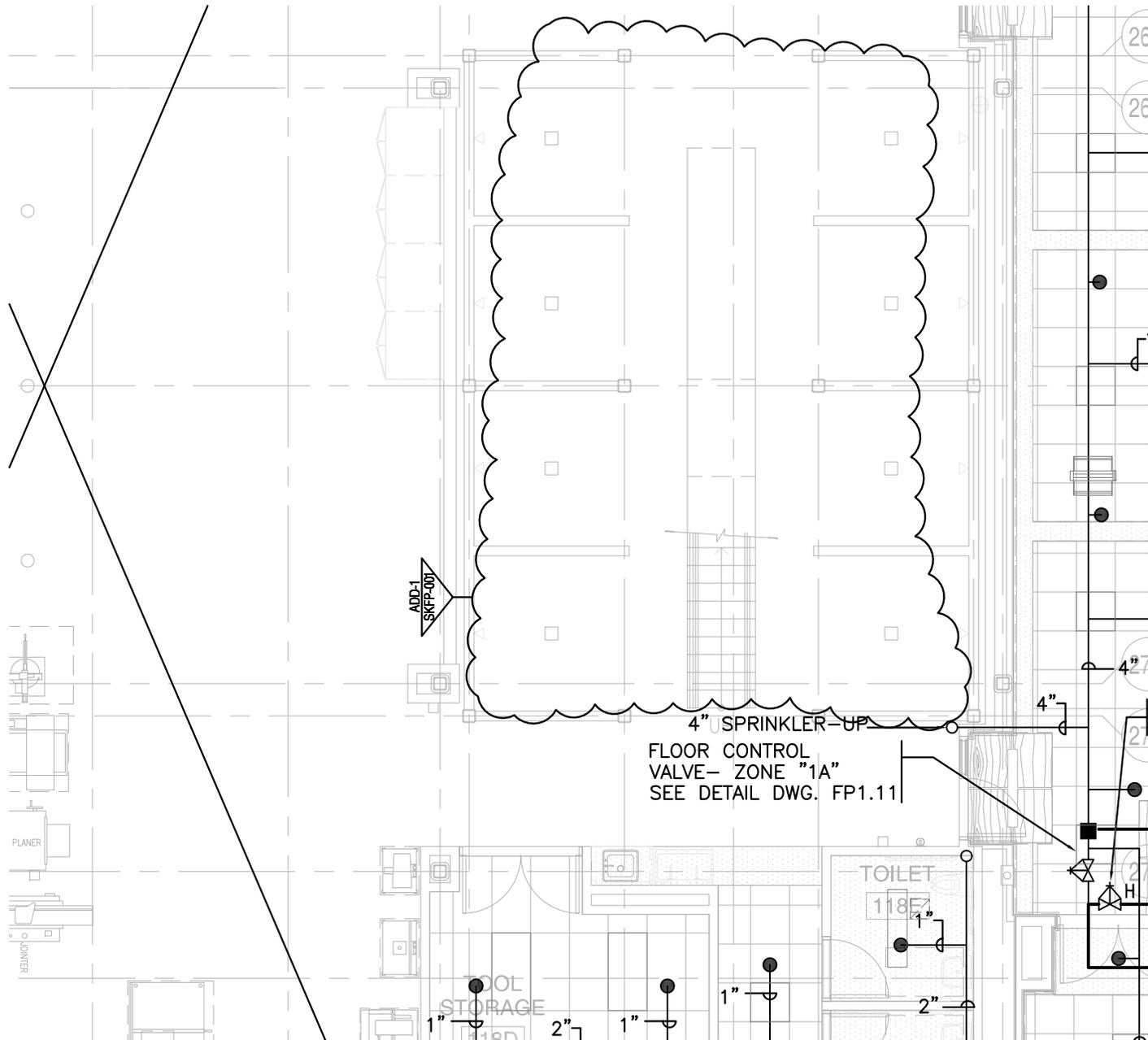
REF DWG: 5 + 5A/S3.09

NOTE "A":
 ENGAGE A MIN OF 2 FLUTES
 W/ #10 TEK SCREWS @ 8" OC

NOTE:
 MITRE ALL ANGLES AT
 CORNERS. REFER TO DETAIL
 4 ON DRAWING S0.06.



ADDENDUM 1



ADDENDUM 1

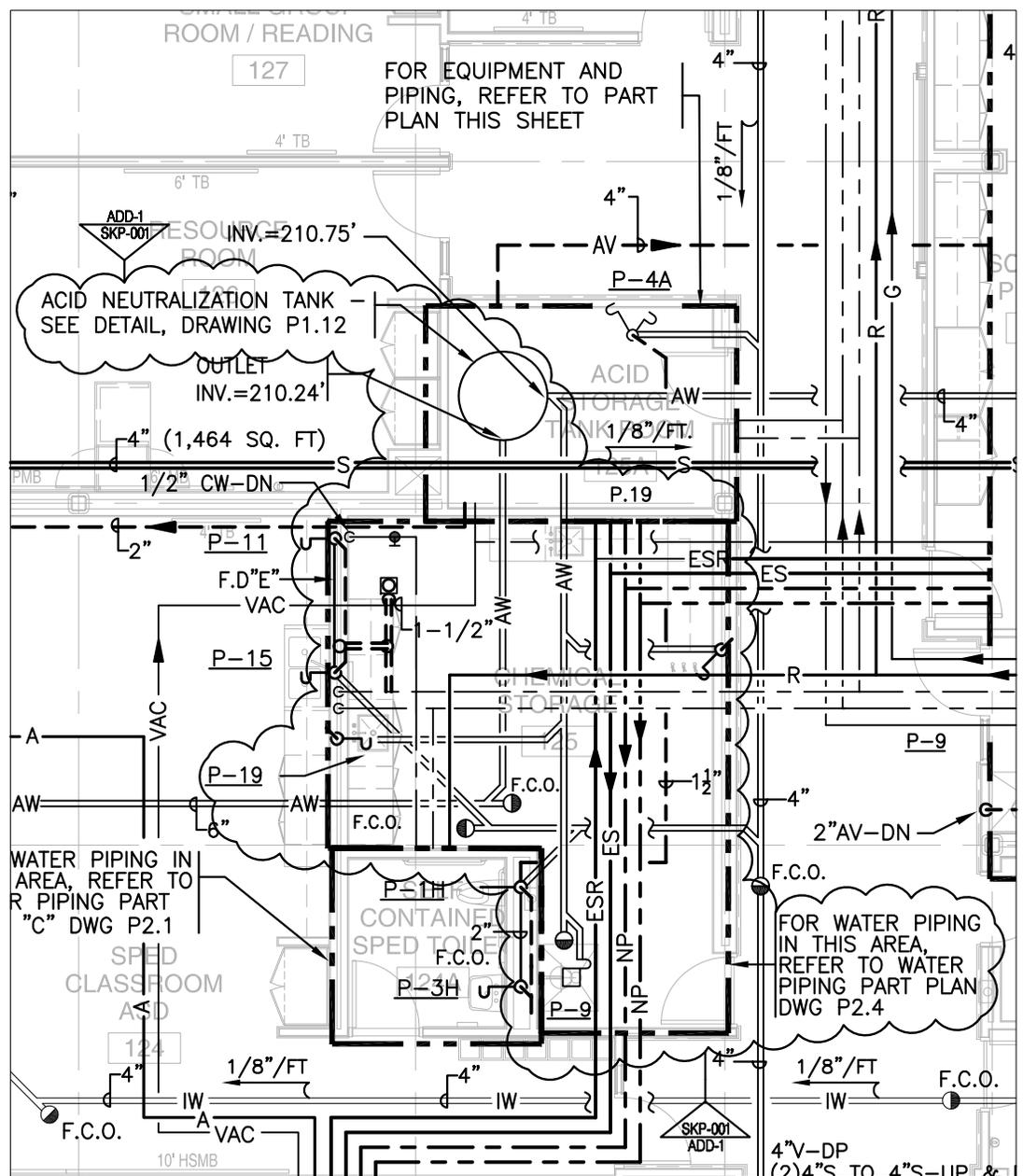
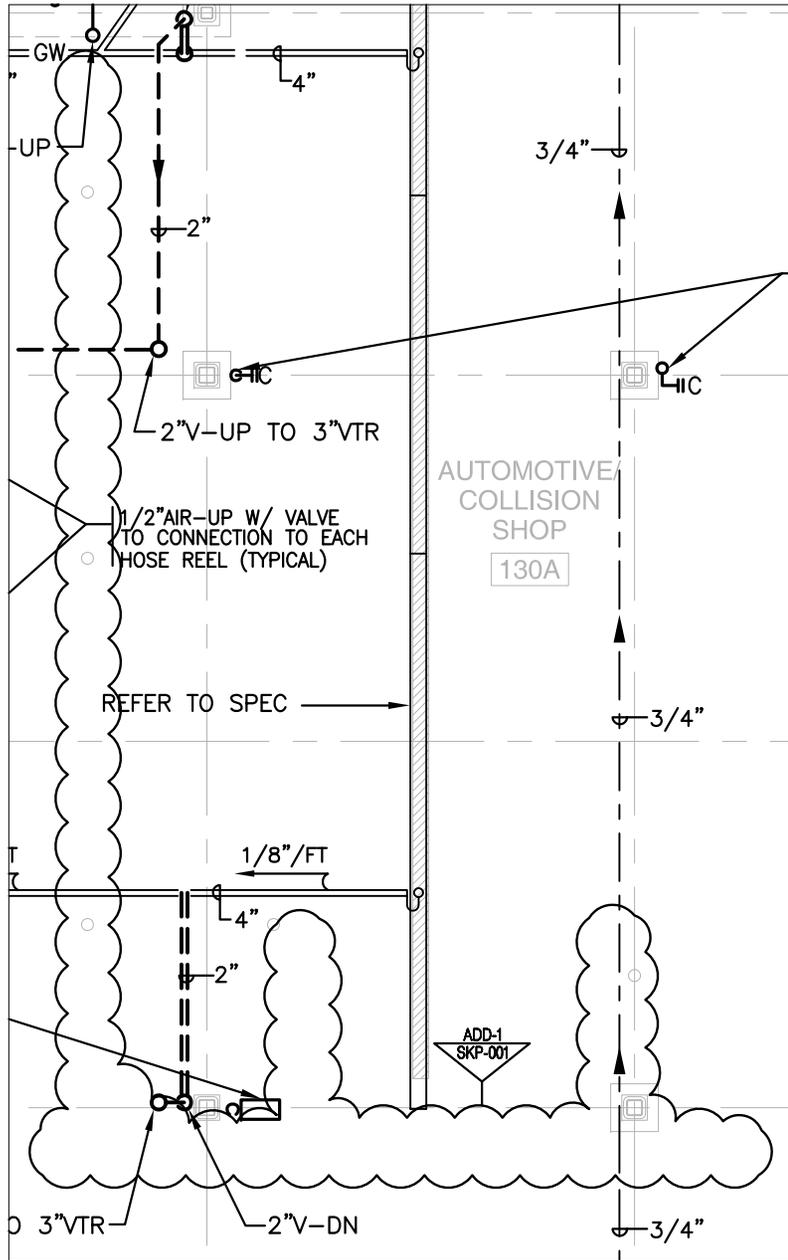


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FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	MG	SKFP-001
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:		FP1.11



ADDENDUM 1

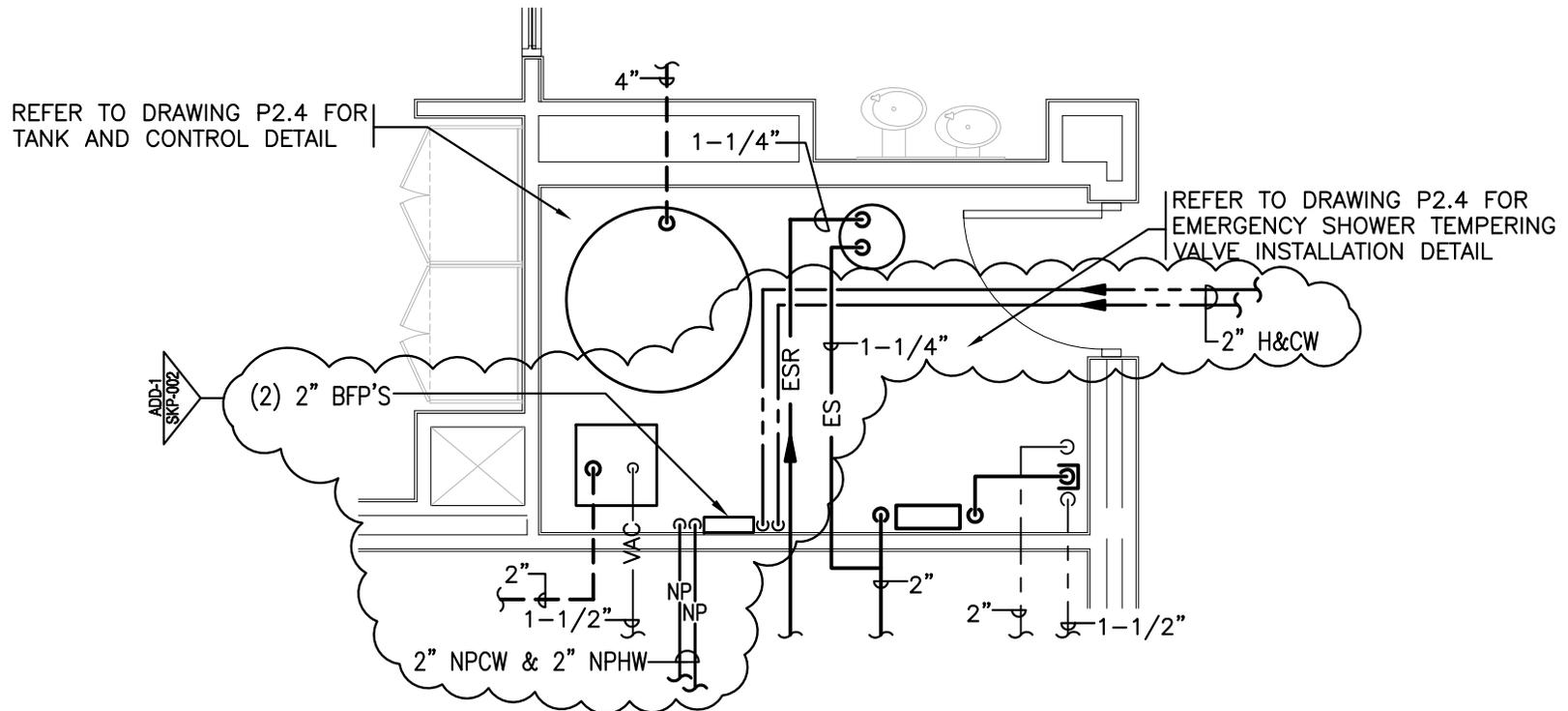


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FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	MG	SKP-001
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	P1.12	



1 ACID TANK ROOM WATER & VACUUM PART PLAN, RM 125 A
 1/4" = 1'-0"

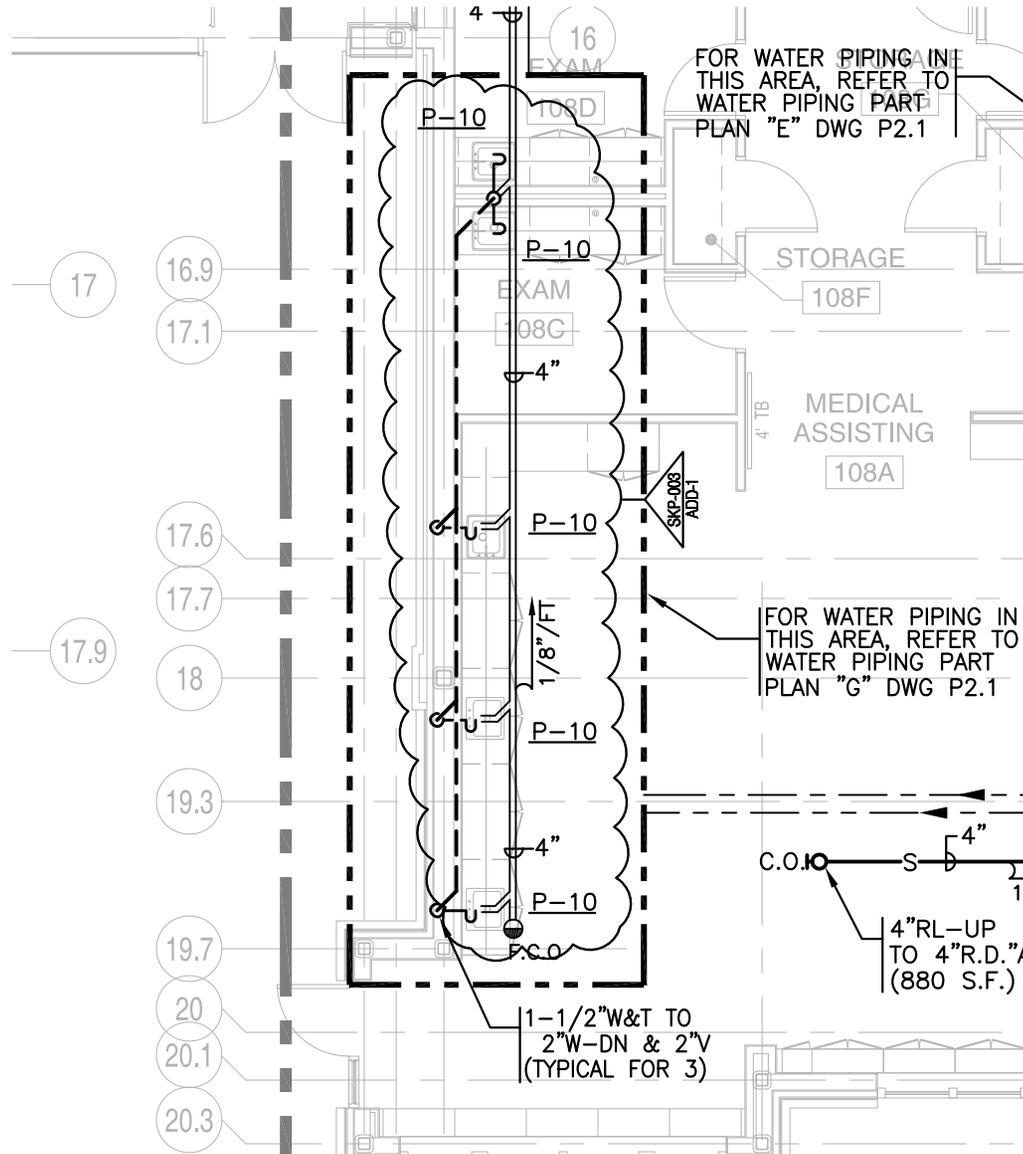
ADDENDUM 1



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 FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL
 Plymouth, MA

DRAWN BY:	MG	SKP-002
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	P1.12	



ADDENDUM 1

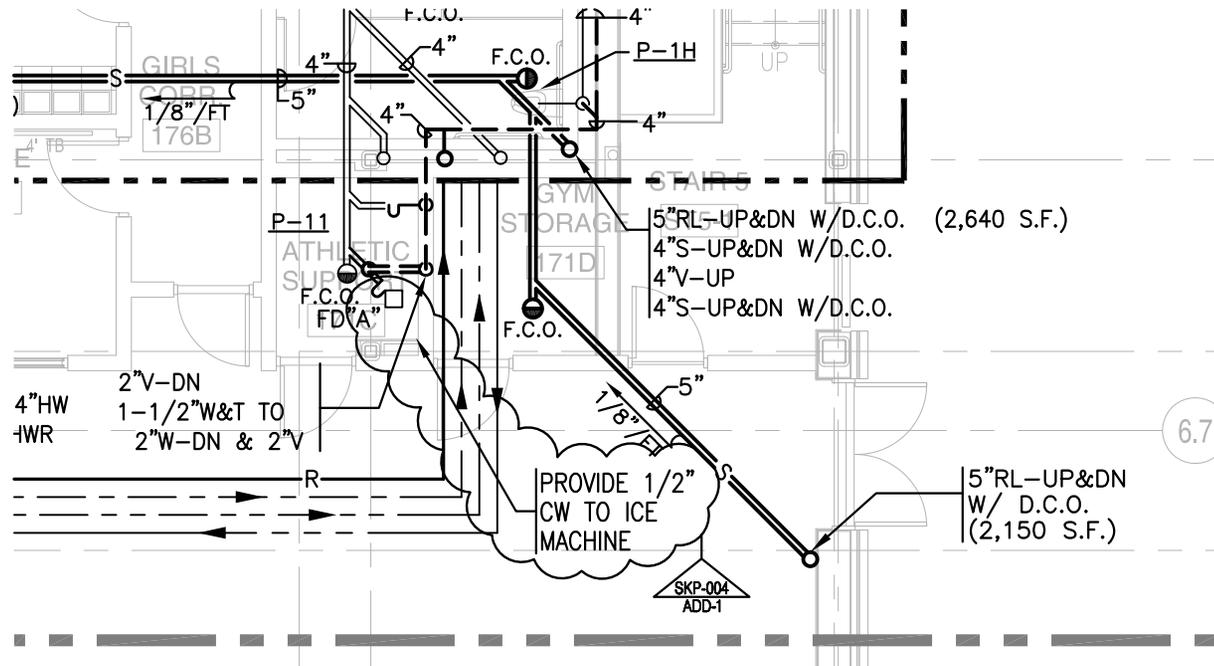


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FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	MG	SKP-003
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	P1.13	



ADDENDUM 1

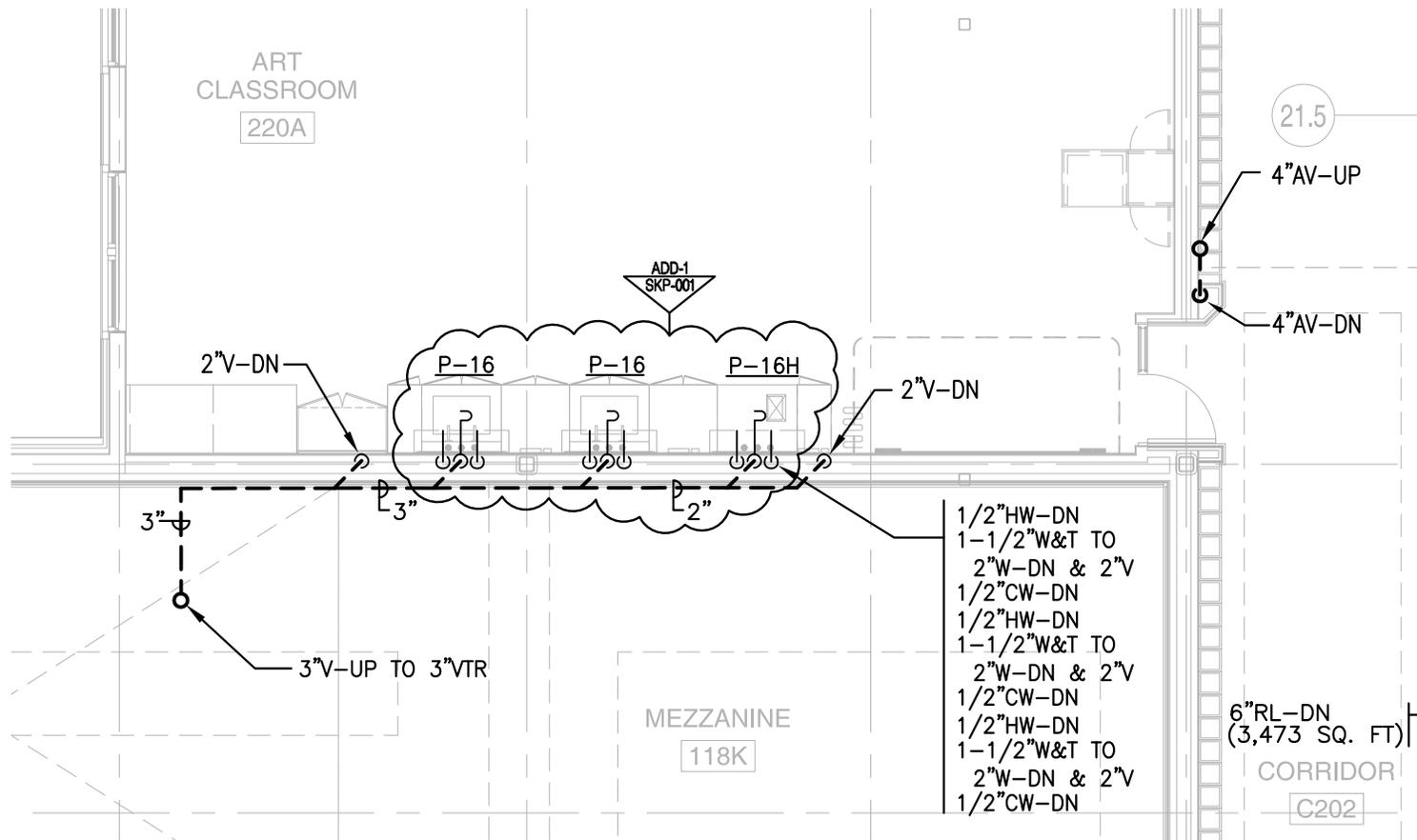


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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	MG	SKP-004
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	P1.16	



ADDENDUM 1

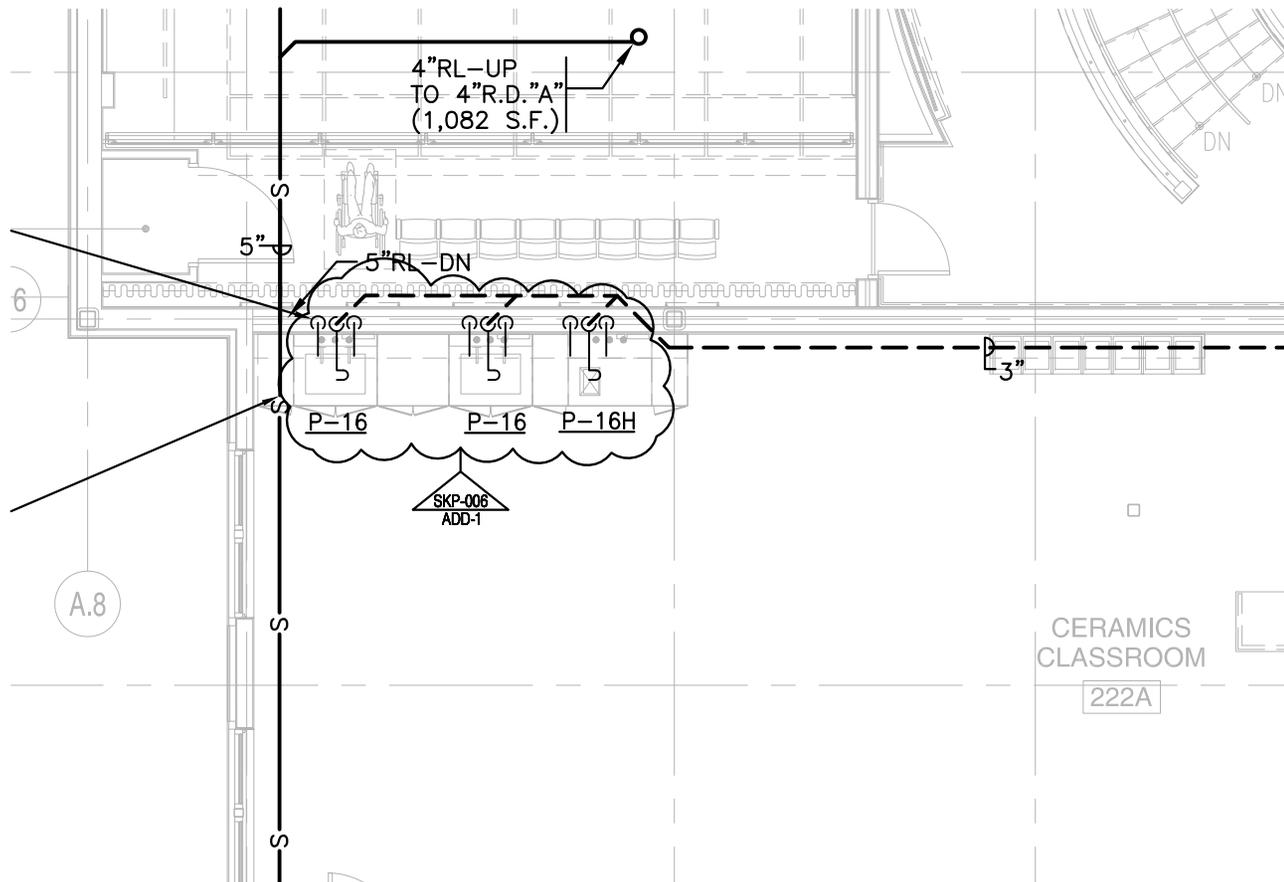


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FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	MG	<h3>SKP-005</h3>
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	P1.21	



ADDENDUM 1

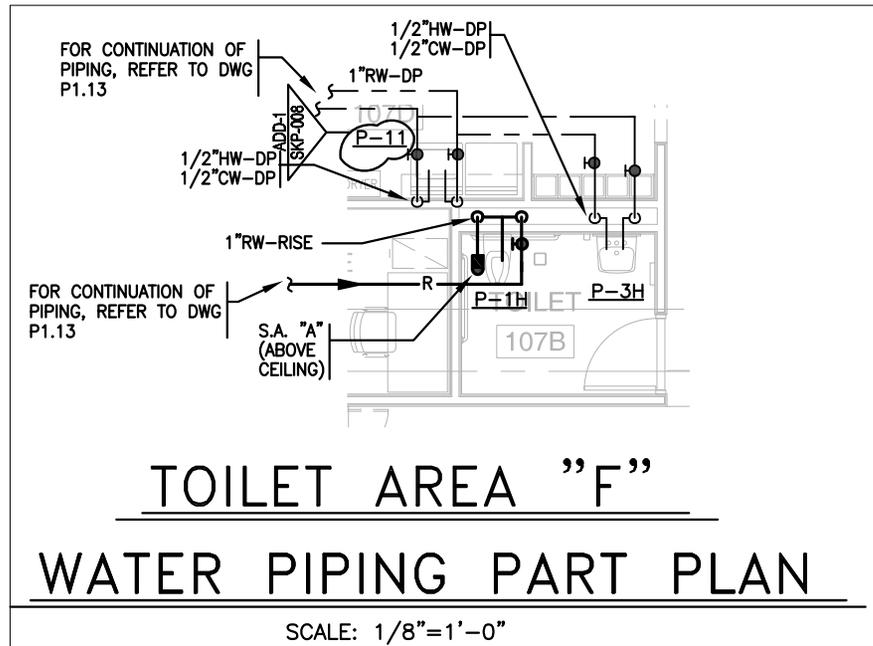
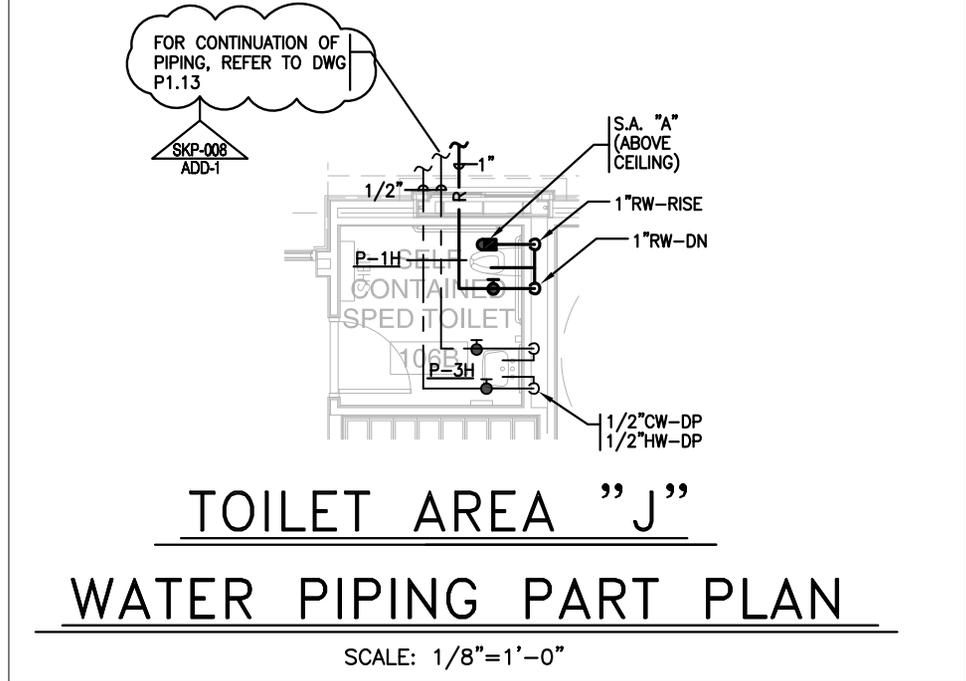
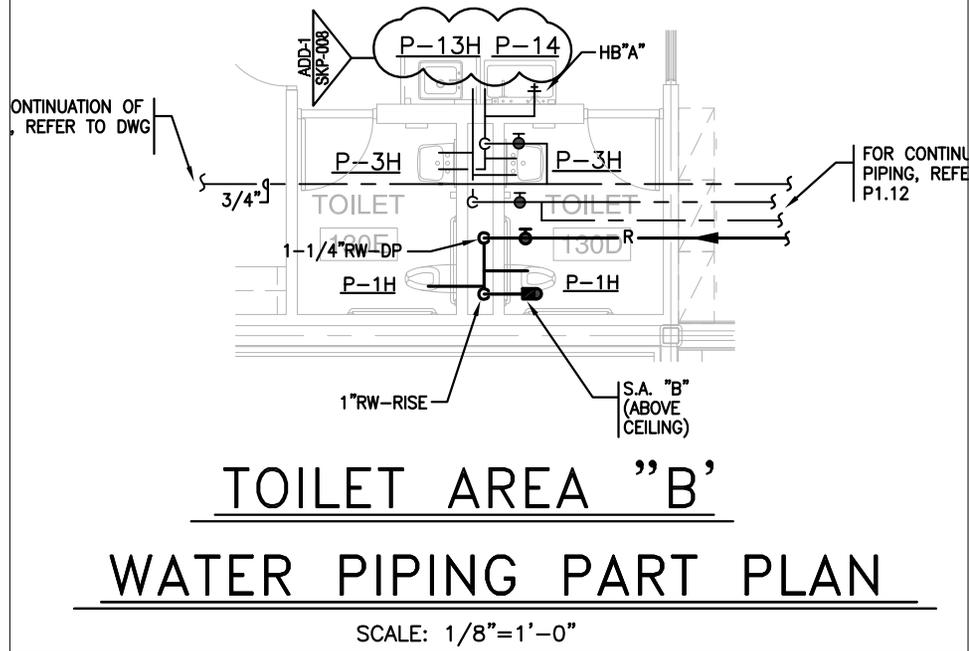


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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	MG	SKP-006
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:		P1.21



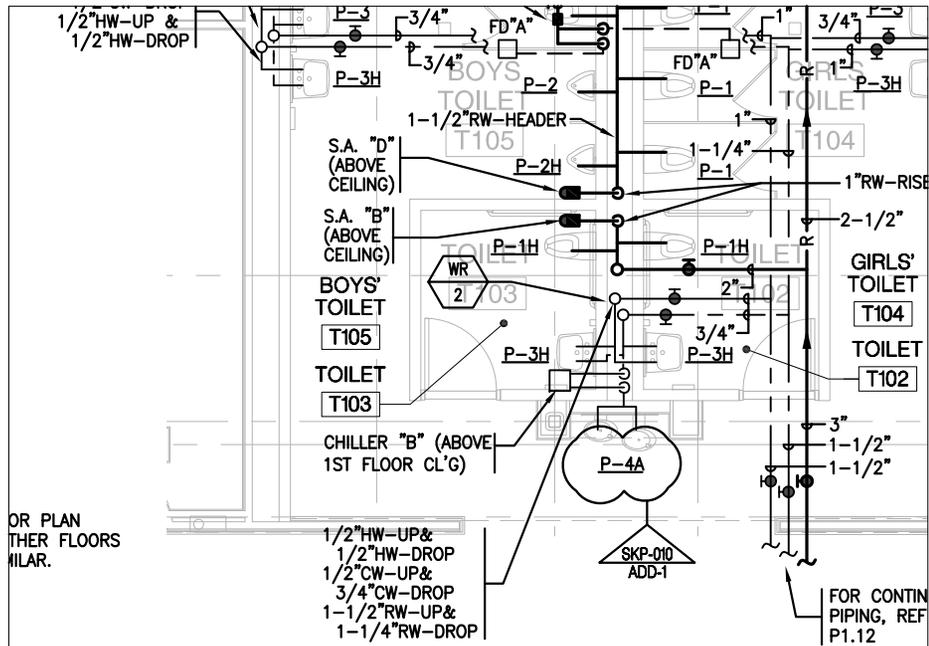
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PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY:	MG	SKP-008
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	P2.1	

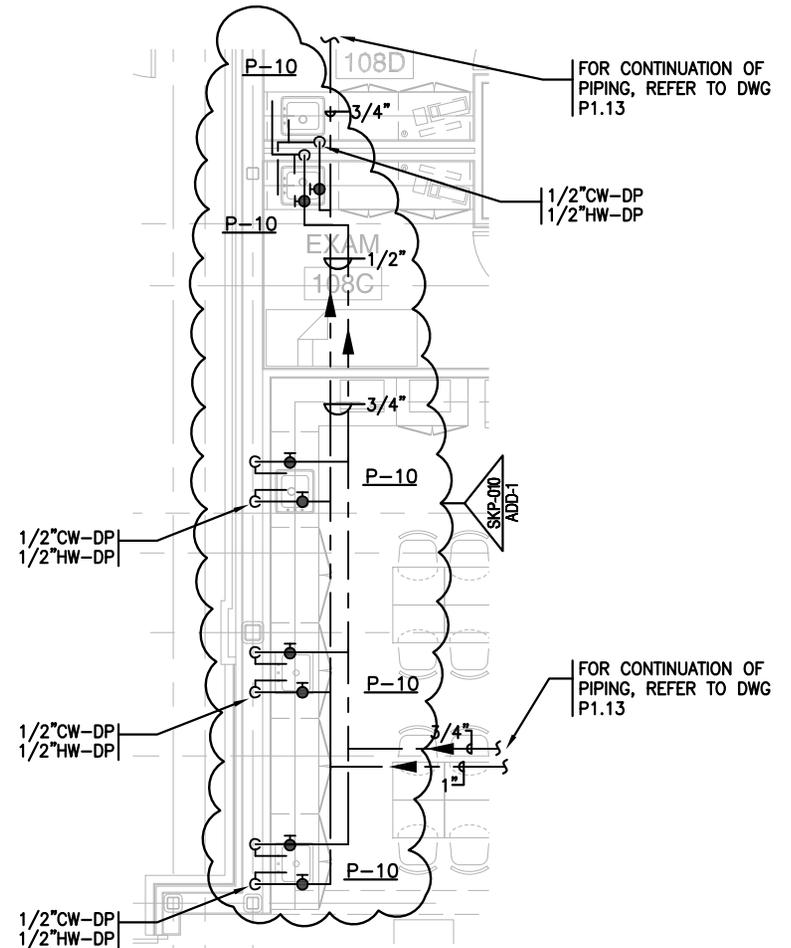


TOILET AREA "A"

WATER PIPING PART PLAN

SCALE: 1/8"=1'-0"

OR PLAN
OTHER FLOORS
SIMILAR.



TOILET AREA "G"

WATER PIPING PART PLAN

SCALE: 1/8"=1'-0"

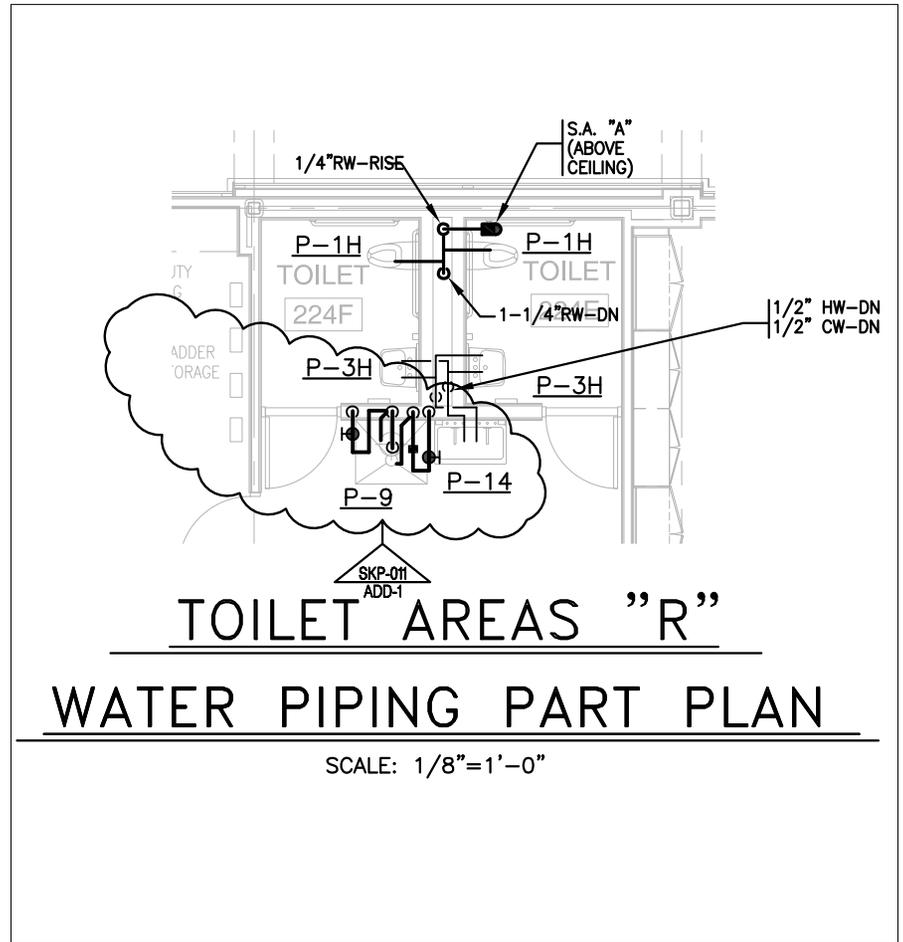
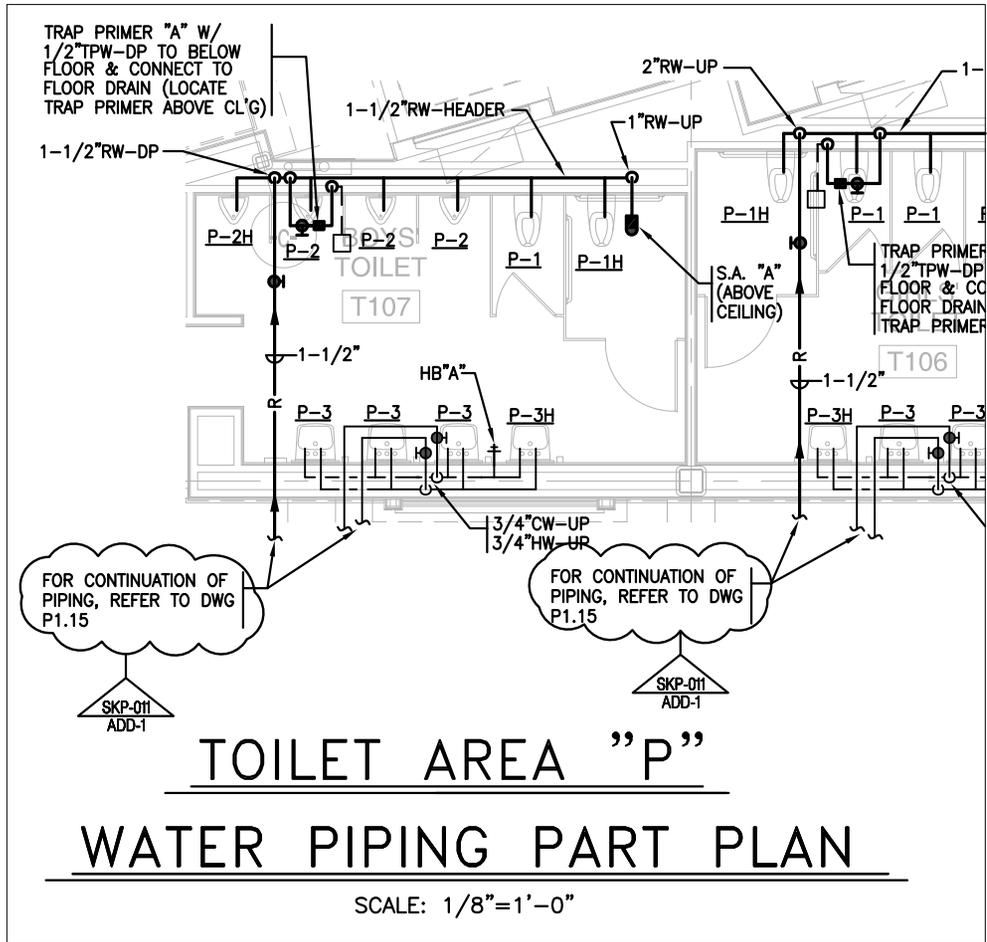
ADDENDUM 1



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FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY:	MG	SKP-010
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	P2.1	



ADDENDUM 1

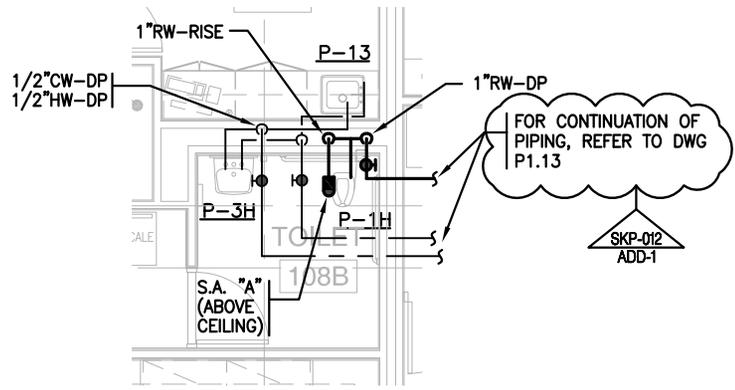


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PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY:	MG
SCALE:	1/8"=1'-0"
JOB NO:	1308.00
DATE:	6/5/2015

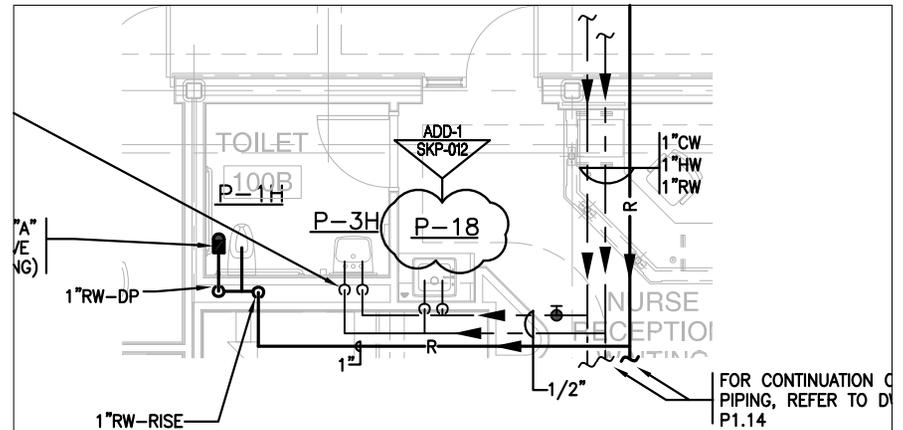
SKP-011
REF DWG: P2.1



TOILET AREA "E"

WATER PIPING PART PLAN

SCALE: 1/8"=1'-0"



TOILET AREA "N"

WATER PIPING PART PLAN

SCALE: 1/8"=1'-0"

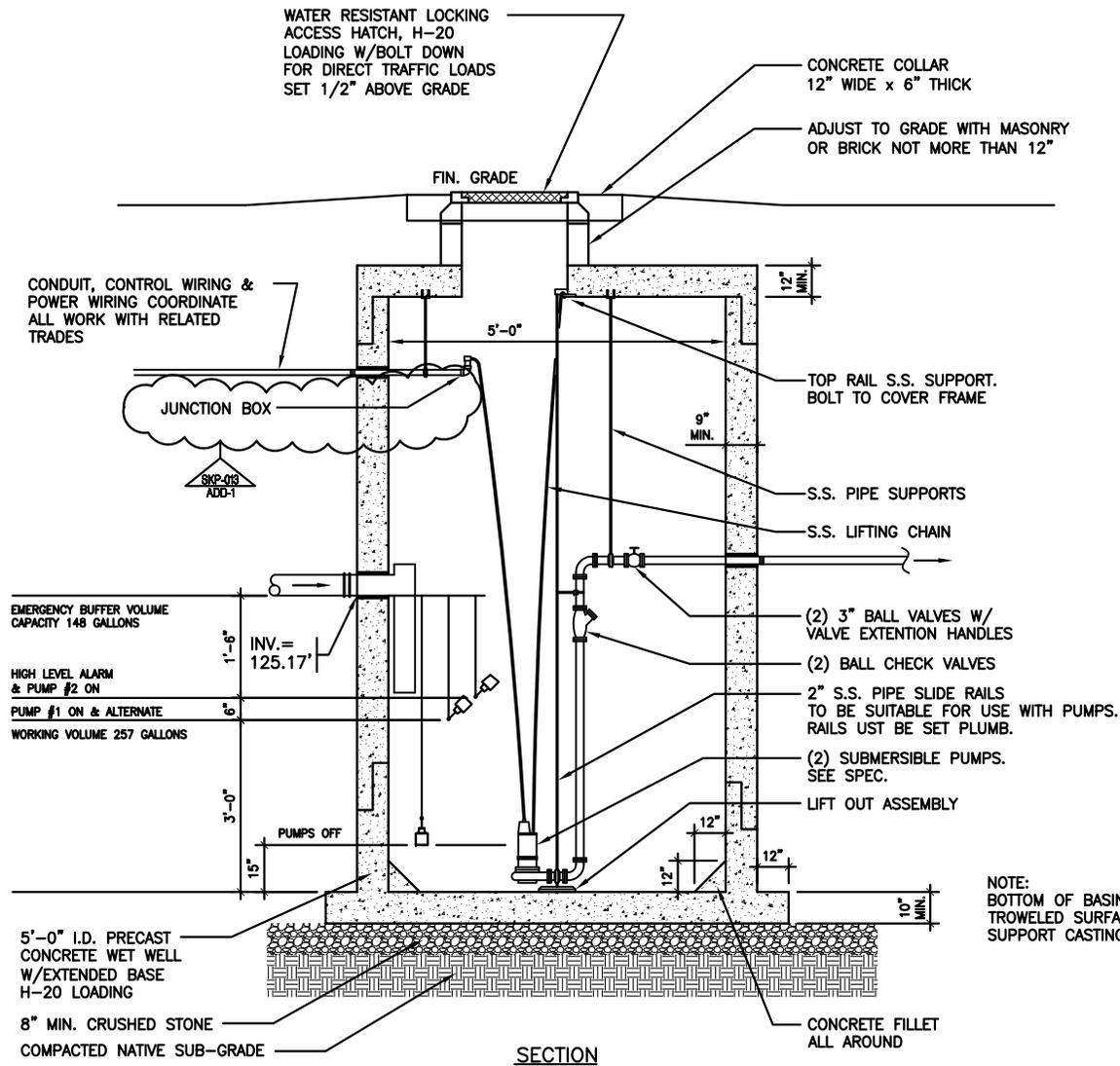
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PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY:	MG	SKP-012
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	P2.1	



SANITARY LIFT STATION DETAIL

NOT TO SCALE

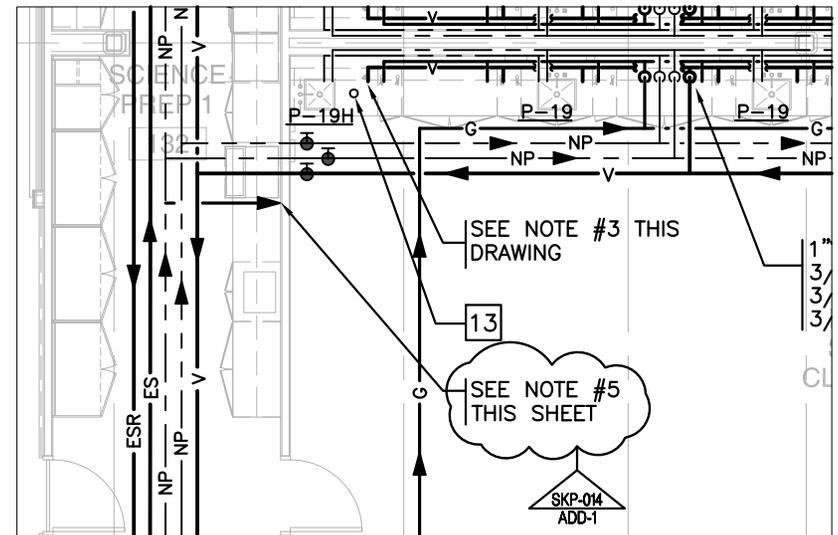
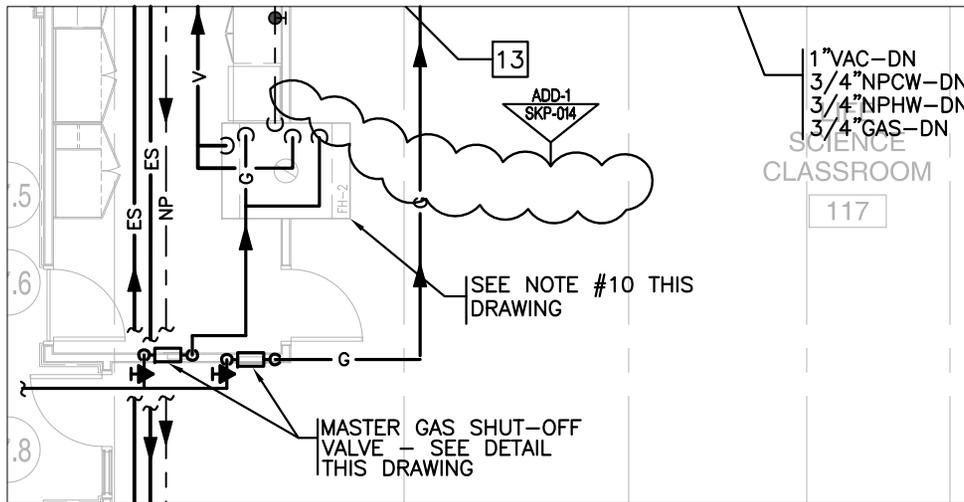
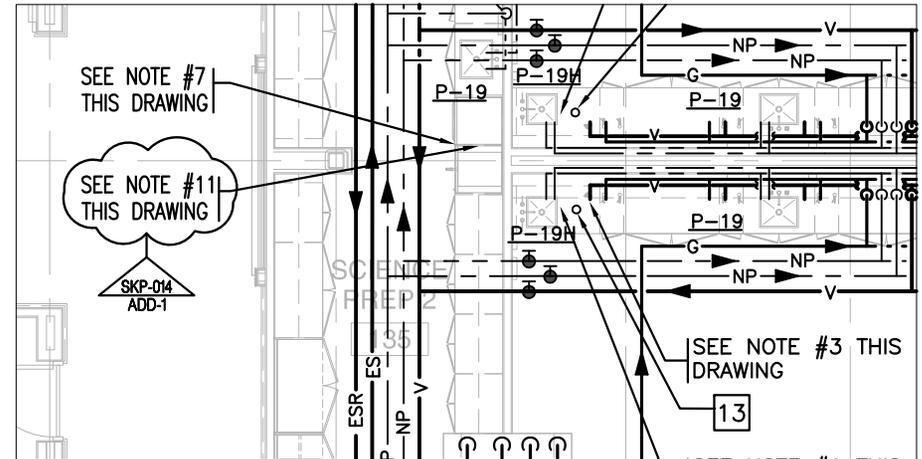
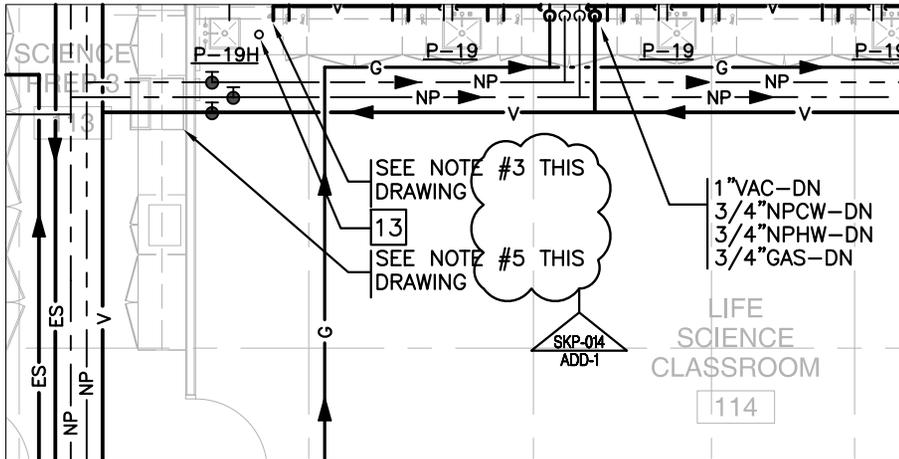
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PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY:	MG	SKP-013
SCALE:	NONE	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	P2.3	



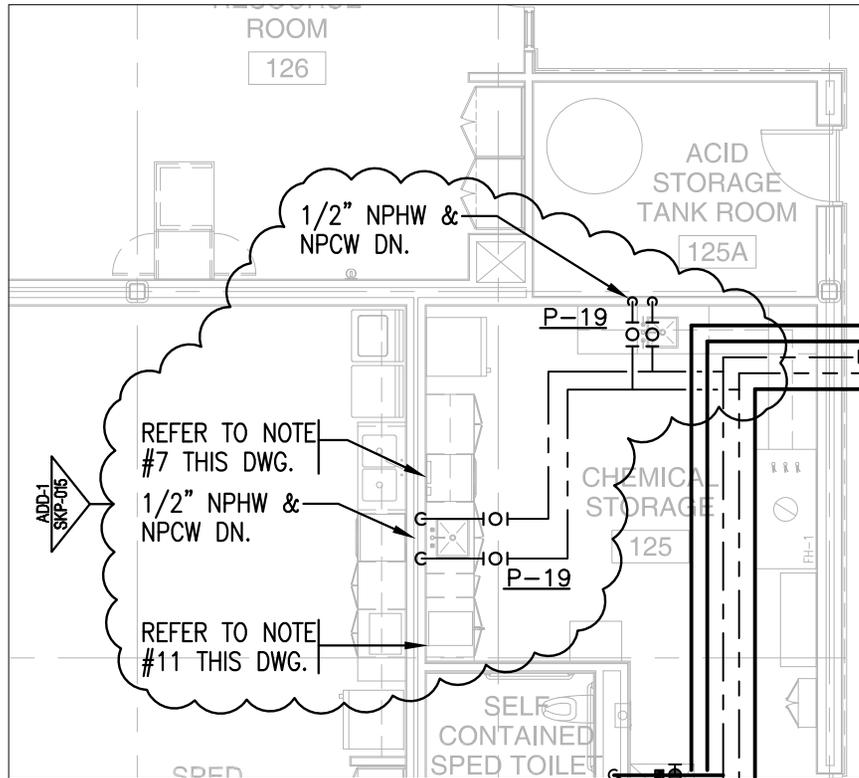
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PLYMOUTH SOUTH HIGH SCHOOL
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DRAWN BY:	MG	SKP-014
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JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	P2.4	



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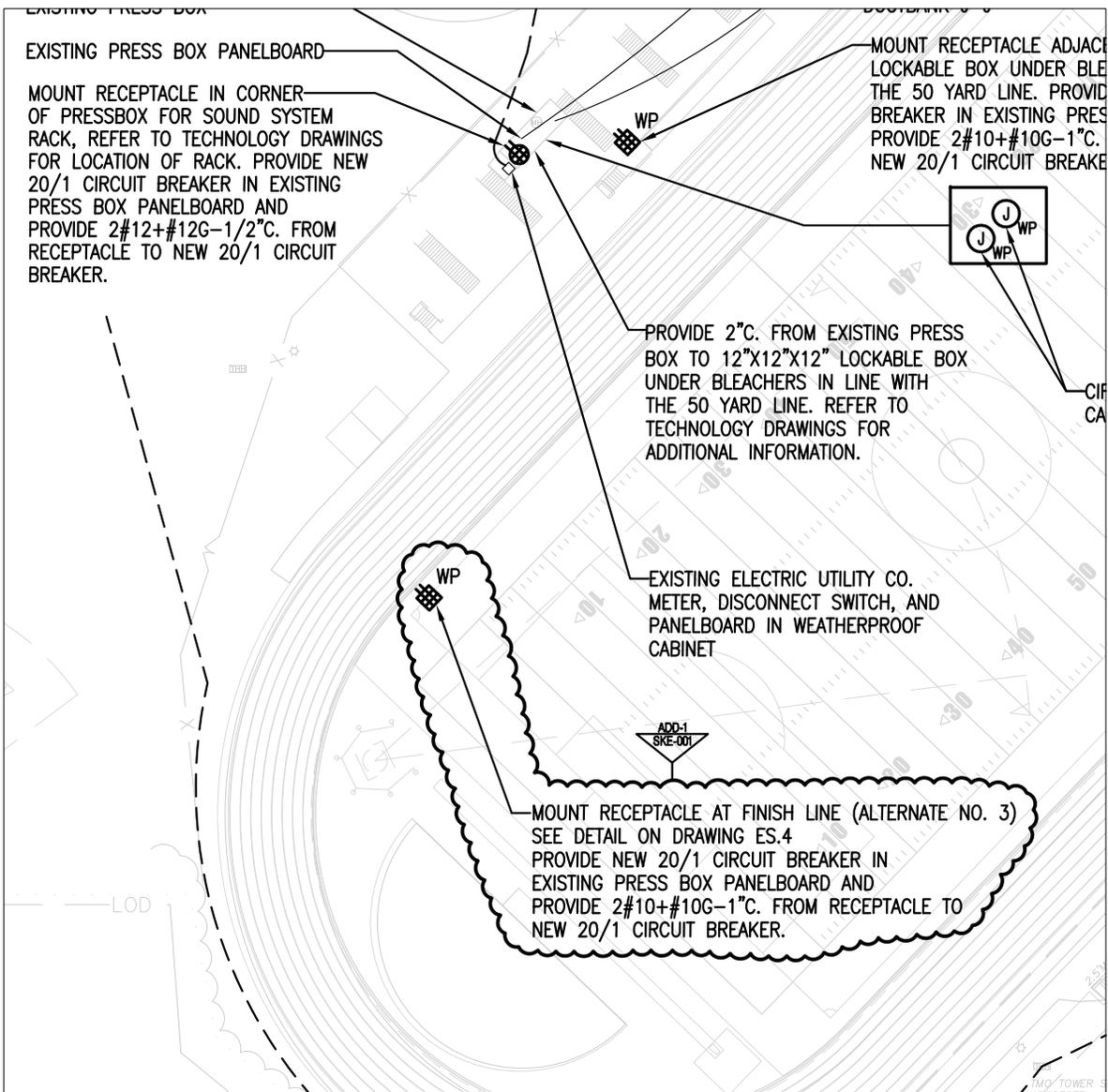


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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	MG	SKP-015
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:		P2.4



SCALE: 1" = 60'

1 PROVIDE 2" C FROM SIGN TO TECH CLOSET F112 FOR LOW VOLTAGE CABLING, REFER TO TECHNOLOGY DRAWINGS.

GENERAL NOTES:

1. CIRCUITS TO PANELBOARD OPHT AT SITE LIGHTING FIXTURES ARE FOR CAMERAS, POWER SUPPLIES, AND SWITCHES.
2. WHERE CONDUITS TERMINATE IN BUILDINGS, THEY SHALL BE STUBBED UP 6" A.F.F., UNLESS OTHERWISE NOTED.

ADDENDUM 1



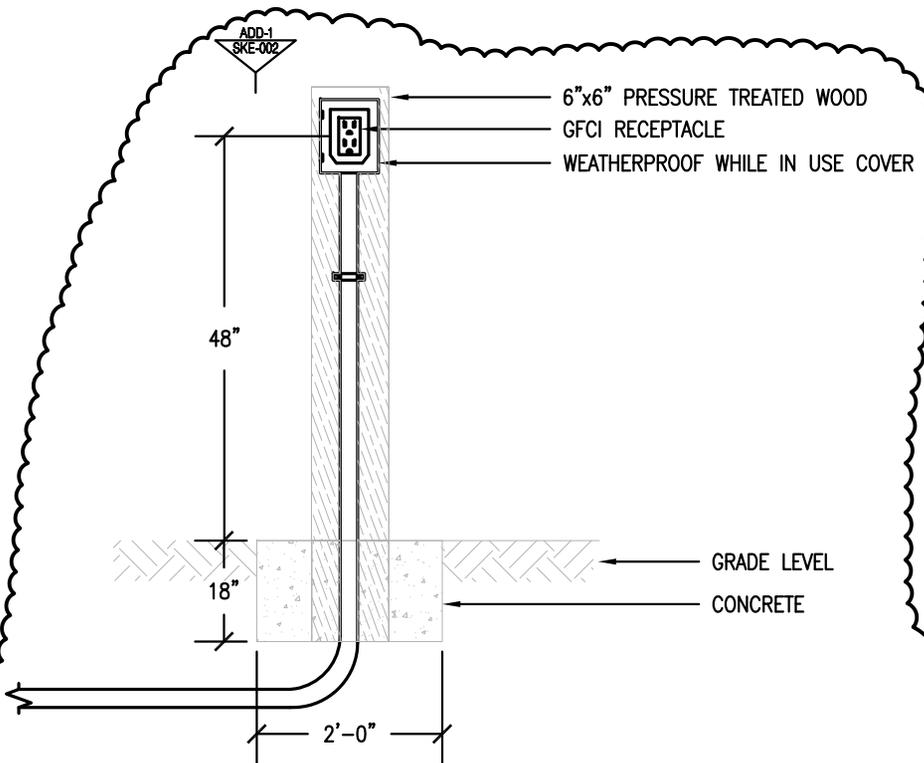
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PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

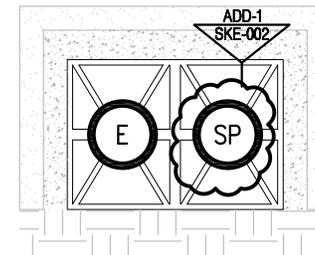
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SCALE:	As Noted
JOB NO:	1308.00
DATE:	6/5/2015

SKE-001

REF DWG: ES.1

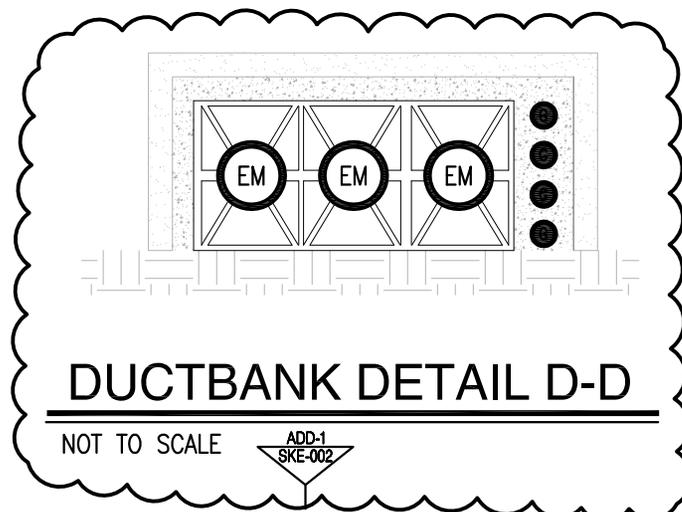


PRESSURE TREATED WOOD MOUNTED RECEPTACLE DETAIL
NOT TO SCALE



DUCTBANK DETAIL A-A

NOT TO SCALE



DUCTBANK DETAIL D-D

NOT TO SCALE

-  4" CONDUIT FOR CATV SERVICE
-  4" CONDUIT FOR PRIMARY ELECTRICAL SERVICE
-  4" CONDUIT FOR EMERGENCY GENERATOR TO ATS FEEDER

-  SPARE 4" CONDUIT
-  4" CONDUIT FOR TELEPHONE SERVICE

ADDENDUM 1

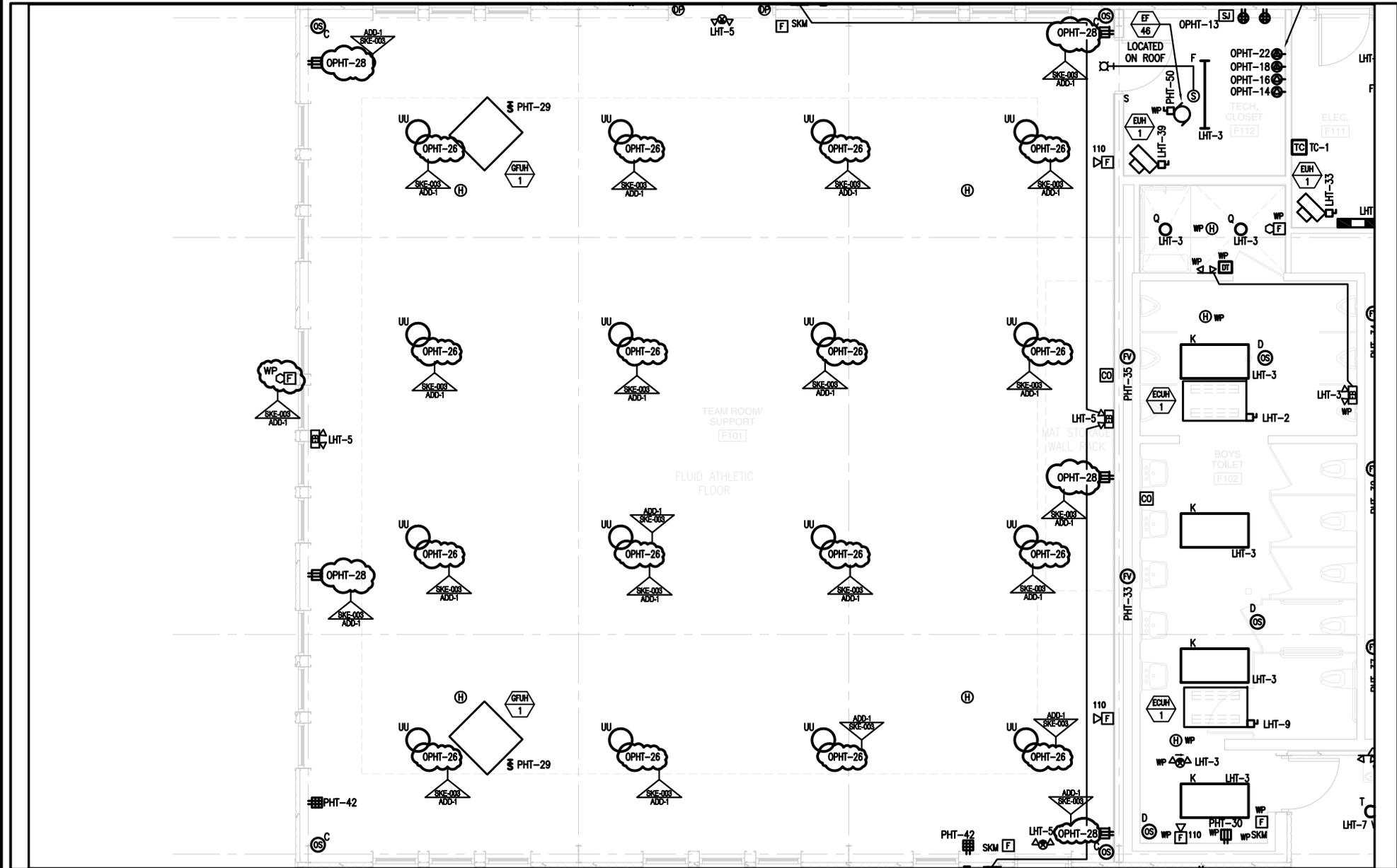


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PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY:	BJH
SCALE:	None
JOB NO:	1308.00
DATE:	6/5/2015

SKE-002
REF DWG: ES.4



ADDENDUM 1



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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	BJH
SCALE:	1/8"=1'-0"
JOB NO:	1308.00
DATE:	6/5/2015

SKE-003
REF DWG: ES.8

FV

FLUSH VALVE/FAUCET SENSOR POWER CONNECTION TO ALL TRANSFORMERS FOR PLUMBING FIXTURES IN ROOM COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH PLUMBING CONTRACTOR.

FJ

JUNCTION BOX FOR FUTURE USE. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE NEW 1" CONDUIT AND PULLSTRING FROM JUNCTION BOX TO DESIGNATED PANEL.

EA

120/240 VOLT, 1 ϕ , 3 WIRE, 10,000 AIC, MLO, RV PANEL, WITH 50/2, 20/1 GFCI RECEPTACLE, 50/2, AND 20/1 BRANCH CIRCUIT BREAKERS. MOUNT EQUIPMENT 76" A.F.F. TO CENTERLINE OF EQUIPMENT. PROVIDE CIRCUIT TO RV PANEL AS INDICATED ON PLAN.

SKE-004
ADD-1

DC

DROP CORD WITH STRAIN RELIEF AND SINGLE RECEPTACLE ON END, ELECTRICAL SUBCONTRACTOR TO DETERMINE CORD LENGTH IN FIELD.

EC

120/208 VOLT, 1 ϕ , 60 AMP FUSED DISCONNECT SWITCH, WITH GFCI DUPLEX RECEPTACLE AND SWITCH BELOW DISCONNECT SWITCH. RECEPTACLE AND SWITCH SHALL BE MOUNTED 48" A.F.F. TO CENTER. MOUNT DISCONNECT SWITCH 54" A.F.F. TO BOTTOM. PROVIDE 2#12+#12G-1/2"C. FROM DISCONNECT SWITCH TO RECEPTACLE AND SWITCH. SWITCH SHALL CONTROL RECEPTACLE. PROVIDE CIRCUIT TO DISCONNECT SWITCH AS INDICATED ON PLAN.

SKE-004
ADD-1

EF

120/208 VOLT, 3 ϕ , 4 WIRE, DISCONNECT SWITCH, AND 60 AMP, 120/208 VOLT, 3 ϕ , 4 WIRE, 10,000 AIC, MLO PANELBOARD, WITH 20/3, AND 20/1 BRANCH CIRCUIT BREAKERS. PROVIDE 4#8+#10G-1"C. FROM DISCONNECT SWITCH TO PANELBOARD. PROVIDE CIRCUIT TO DISCONNECT SWITCH AS INDICATED ON PLAN.

SKE-004
ADD-1

ADDENDUM 1



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Plymouth, MA

DRAWN BY:	BJH
SCALE:	None
JOB NO:	1308.00
DATE:	6/5/2015

SKE-004

REF DWG: E0.1

LIGHTING FIXTURE SCHEDULE

NOTES:

1. LIGHTING FIXTURES SHALL BE FURNISHED COMPLETE WITH ALL HARDWARE, LAMPS, HANGERS, ACCESSORIES, ETC. FOR A COMPLETE AND PROPER INSTALLATION.
2. THE MANUFACTURER'S AND CATALOG NUMBERS IDENTIFIED IN THIS LIGHTING FIXTURE SCHEDULE ARE INTENDED TO ESTABLISH A GENERAL LEVEL OF QUALITY, CONFIGURATION, MATERIALS, AND APPEARANCE REQUIRED. THIS IS NOT A PROPRIETARY SPECIFICATION AND IT SHOULD BE NOTED THAT "OR EQUAL" APPLIES TO ALL LIGHTING FIXTURES DENOTED HEREIN. IT IS UNDERSTOOD THAT ALL MANUFACTURER'S WILL HAVE MINOR VARIATIONS IN CONFIGURATION, APPEARANCE, AND PRODUCT SPECIFICATIONS AND SUCH MINOR VARIATIONS SHALL NOT ELIMINATE SUCH MANUFACTURER'S AS AN APPROVED EQUAL.
3. IN GENERAL INTERIOR LIGHTING COLOR TEMPERATURE SHALL BE 3000 TO 3500 DEGREES KELVIN, WHILE EXTERIOR LIGHTING SHALL BE 4000 DEGREES KELVIN.
4. LIGHTING FIXTURES SHALL CONFORM TO THE REQUIREMENTS OF THE ELECTRIC UTILITY CO. REBATE PROGRAM, WHERE APPLICABLE.
5. MOUNTING ABBREVIATIONS, "R" = RECESSED, "S" = SURFACE, "W" = WALL, "P" = PENDANT, "G" = GROUND, "U" = UNIVERSAL.
6. LIGHTING FIXTURES TO BE CONTROLLED BY DAYLIGHT HARVESTING SYSTEM SHALL BE PROVIDED WITH ADVANCE MARK VII 0-10VDC DIMMING BALLAST, OR EQUAL.
7. LED LIGHTING FIXTURES SHALL BE PROVIDED WITH DRIVERS.
8. PROVIDE TWO ADDITIONAL WIRES TO DIMMING RACK IN ADDITION TO POWER WIRING WHERE 0-10 VOLT DIMMING DRIVERS ARE SPECIFIED FOR CONTROL.

TYPE	MANUFACTURER	CATALOG NUMBER	VOLTAGE	MOUNTING	LAMPS			DESCRIPTION/REMARKS
					QUANTITY	WATTAGE	TYPE	
C	PINNACLE	AUZZAZ13H0GAX27/W	277	R	2	24	T5H0	HINGED CENTER SATINE CURVED ACRYLIC LENS WITH RIBBED SIDE CHANNELS, AND ELECTRONIC BALLAST
C2	PINNACLE	AD22A3541GX2771DSW	277	R	-	48.5	LED	2'X2', RECESSED, GRID, STATIC LIGHTING FIXTURE, WITH HIGH EFFICIENCY HINGED CENTER SATINE CURVED ACRYLIC LENS WITH RIBBED SIDE CHANNELS, LED WITH ASSOCIATED DRIVER.
CS	PINNACLE	AD22A2T5H0GX277SDW	277	R	2	24	T5H0	2'X2', RECESSED, GRID, STATIC LIGHTING FIXTURE, WITH HIGH EFFICIENCY HINGED CENTER SATINE CURVED ACRYLIC LENS WITH RIBBED SIDE CHANNELS, AND STEP DIMMING BALLAST
D	LITHONIA	ADD-1 SKE-005 SP5F228T5FWA12277	277	R	2	28	T5	1'X4', FLANGED, STATIC, PRISMATIC LENS LIGHTING FIXTURE, WITH REGRESSED ALUMINUM DOOR, AND ELECTRONIC BALLAST.
E	MERCURY	M106228T5AELBUNIBLACK	277	S	2	28	T5	1'X4', WRAPAROUND LIGHTING FIXTURE, WITH PRISMATIC DIFFUSER, BLACK HOUSING, AND ELECTRONIC BALLAST, LESS THAN 20% UPLIGHT.
F1	MERCURY	M106128T5AELBUNI	277	S	1	28	T5	1'X4', WRAPAROUND LIGHTING FIXTURE, WITH PRISMATIC DIFFUSER AND ELECTRONIC BALLAST, LESS THAN 20% UPLIGHT.
JT	PINNACLE	AD24A2T5FL2771DSW	277	R	2	28	T5	2'X4', RECESSED, FLANGE, STATIC LIGHTING FIXTURE, WITH HIGH EFFICIENCY HINGED CENTER SATINE CURVED ACRYLIC LENS WITH RIBBED SIDE CHANNELS, AND STEP DIMMING BALLAST
K	DAY-BRITE	2DPWLG428FA12UNV1/21	277	R	3	28	T5	2'X4', GRID, STATIC, ALUMINUM, WET LOCATION LIGHTING FIXTURE, WITH PRISMATIC LENS .125" THICK, GASKETED ALUMINUM DOOR, AND TWO ELECTRONIC BALLASTS
L	GOTHAM	EVO35/156ARWDLSS277	277	R	-	18.5	LED	6" OPEN DOWNLIGHT, WITH CLEAR SEMI-SPECULAR REFLECTOR, WHITE TRIM, BAR HANGERS, HORIZONTAL LAMP, AND ELECTRONIC BALLAST
L1	GOTHAM	EVO35/356ARWDLSS277	277	R	-	42.1	LED	6" OPEN DOWNLIGHT, WITH CLEAR SEMI-SPECULAR REFLECTOR, WHITE TRIM, BAR HANGERS, HORIZONTAL LAMPS, AND ELECTRONIC BALLAST
L2	GOTHAM	EVO35/356ARWDLSS277EZ1	277	R	-	42.1	LED	6" OPEN DOWNLIGHT, WITH CLEAR SEMI-SPECULAR REFLECTOR, WHITE TRIM, BAR HANGERS, HORIZONTAL LAMPS, AND ELECTRONIC DIMMING DRIVER.
L3	OMEGA	ADD-1 SKE-005 OM6LED27277R6LED35KWDCSS	277	R	-	27	LED	6" EXTERIOR, WET LOCATION, OPEN DOWNLIGHT, WITH BAR HANGERS, REMOTE PHOSPHOR TECHNOLOGY, AND 3500 DEGREE KELVIN IN COLOR
M	GOTHAM	EVO35/1166APWD120E00S2	120	P	10	10	LED	6" OPEN 1000 LUMEN, WIDE DISTRIBUTION, DOWNLIGHT, 3500 DEGREE KELVIN IN COLOR, WITH CLEAR SEMI-SPECULAR REFLECTOR, BAR

ADDENDUM 1

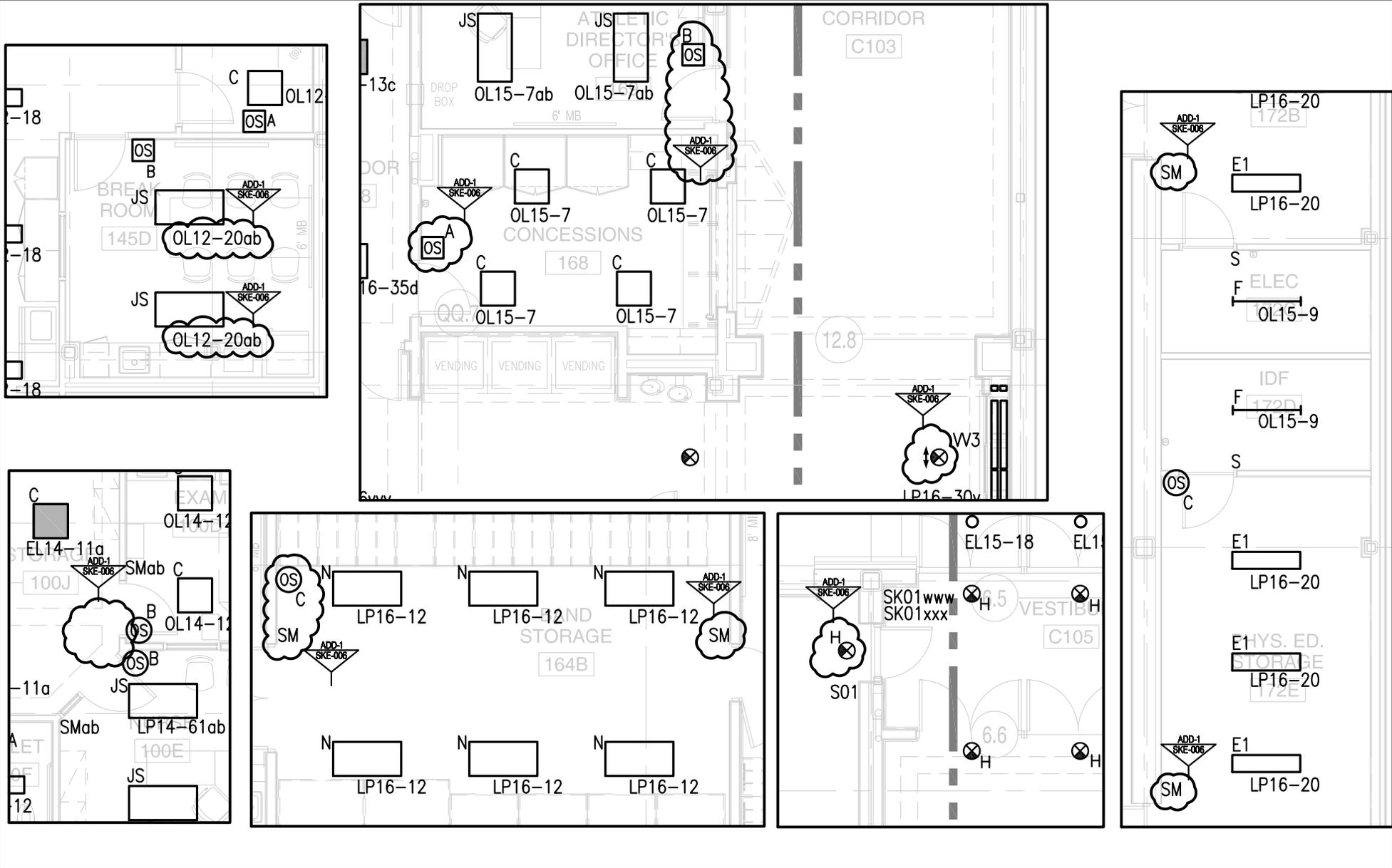


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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	BJH	SKE-005
SCALE:	None	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	E0.2	



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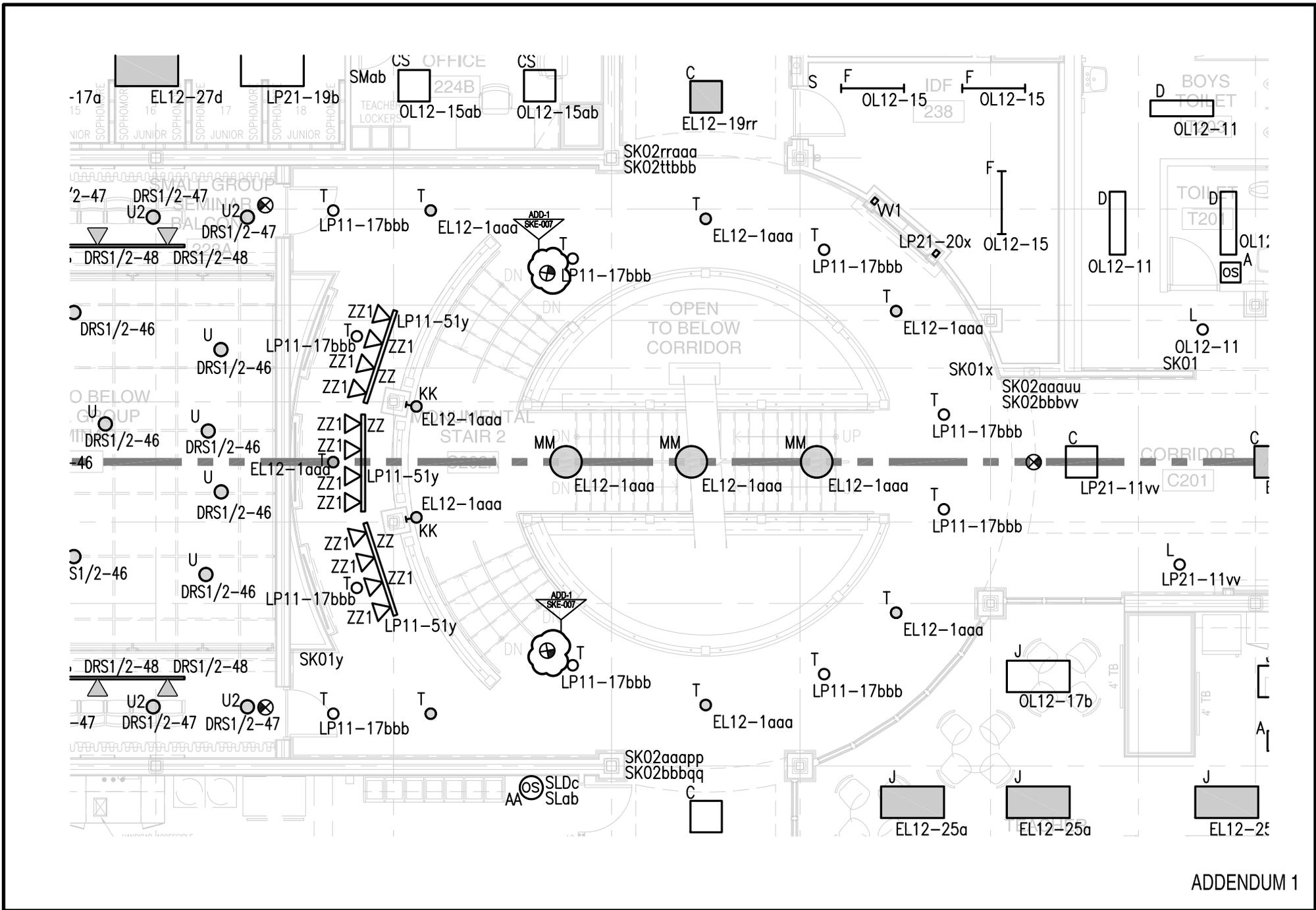
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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY: BJH
SCALE: 1/8"=1'-0"
JOB NO: 1308.00
DATE: 6/5/2015

SKE-006
REF DWG: E1.13L,E1.14L,E1.15L,E1.16L



ADDENDUM 1



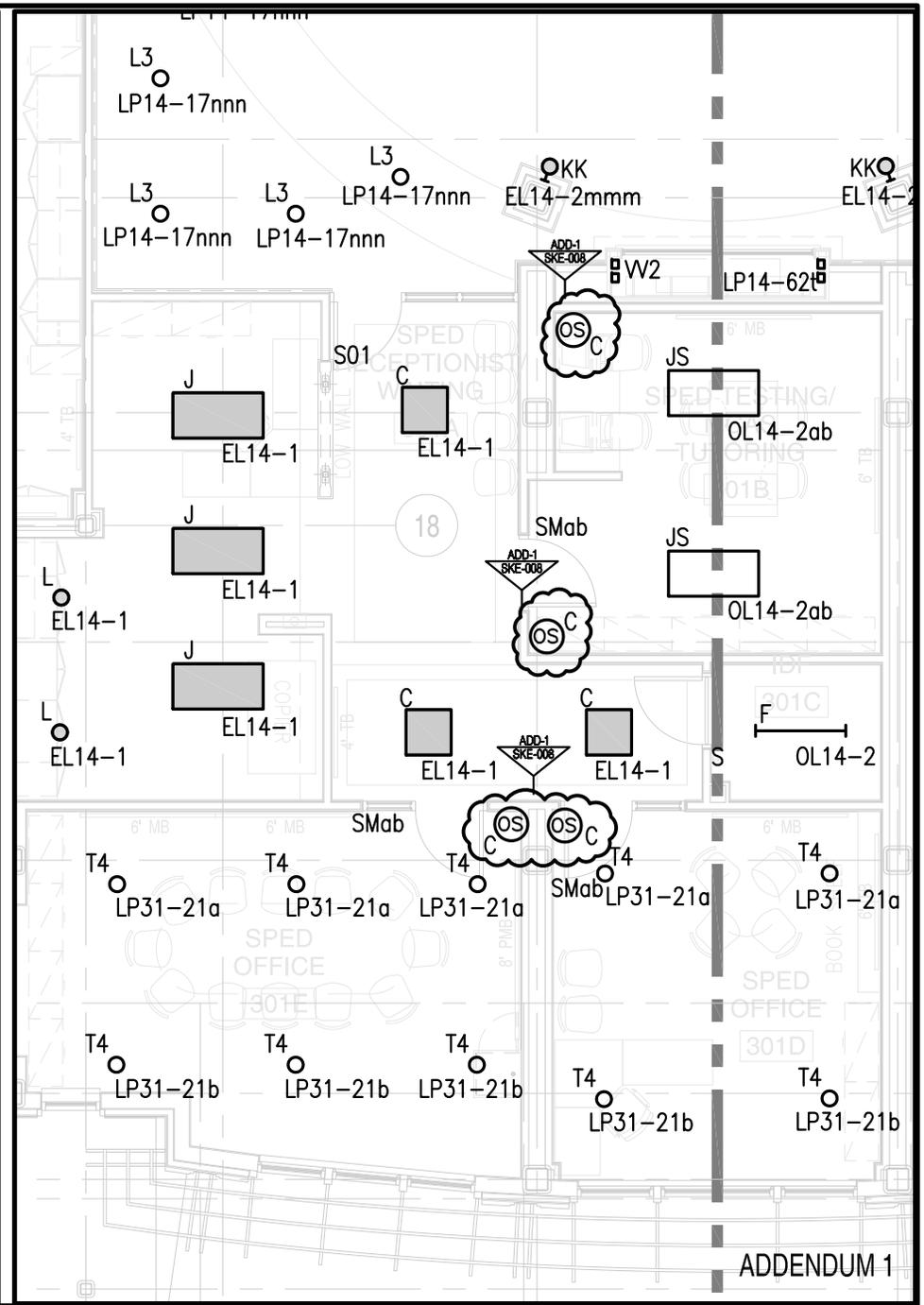
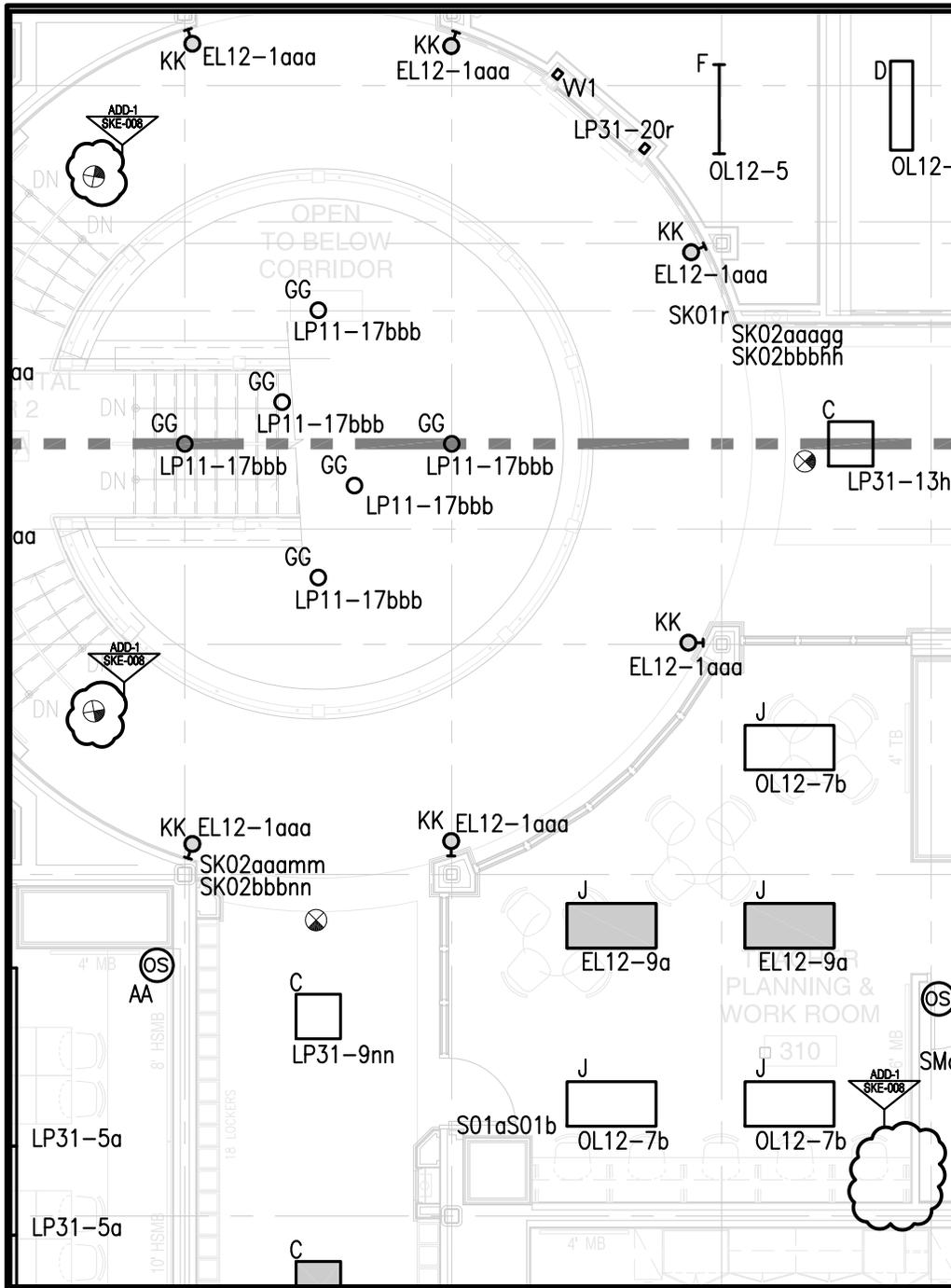
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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY: BJH
 SCALE: 1/8"=1'-0"
 JOB NO: 1308.00
 DATE: 6/5/2015

SKE-007
 REF DWG: E1.21L



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PLYMOUTH SOUTH HIGH SCHOOL

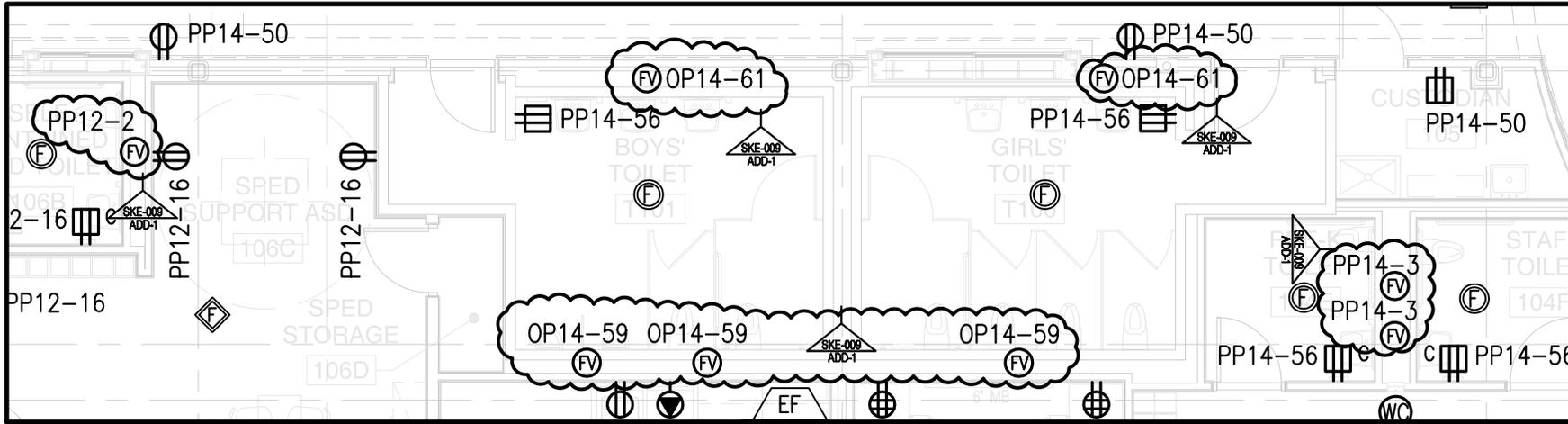
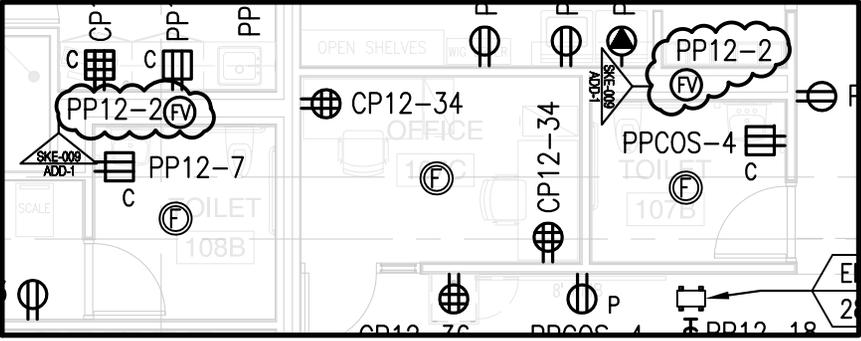
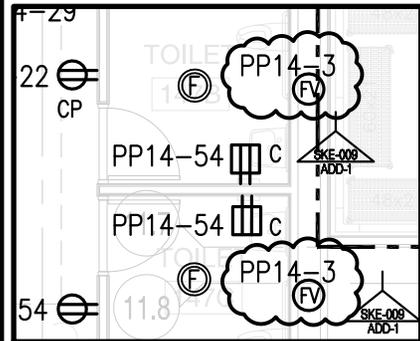
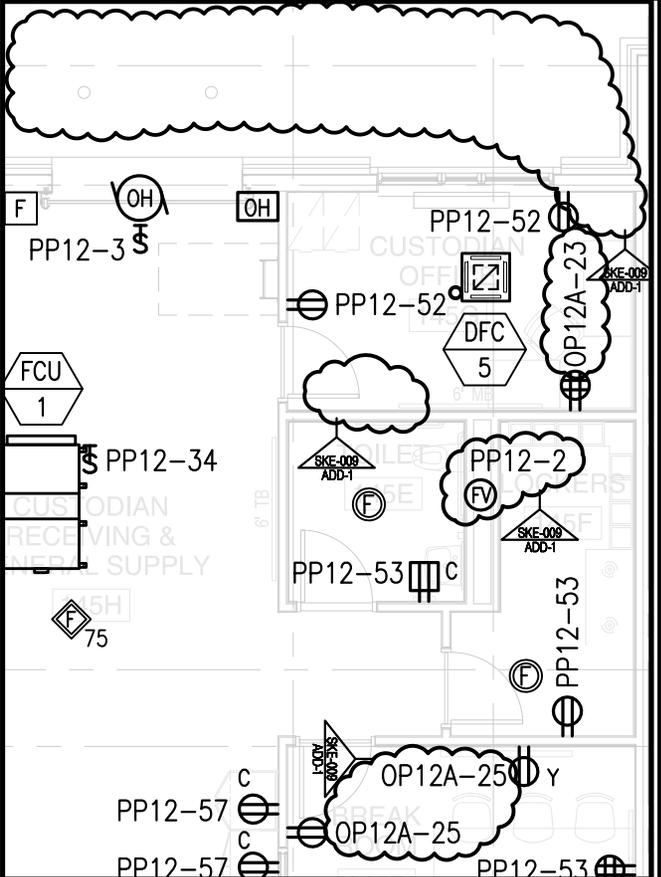
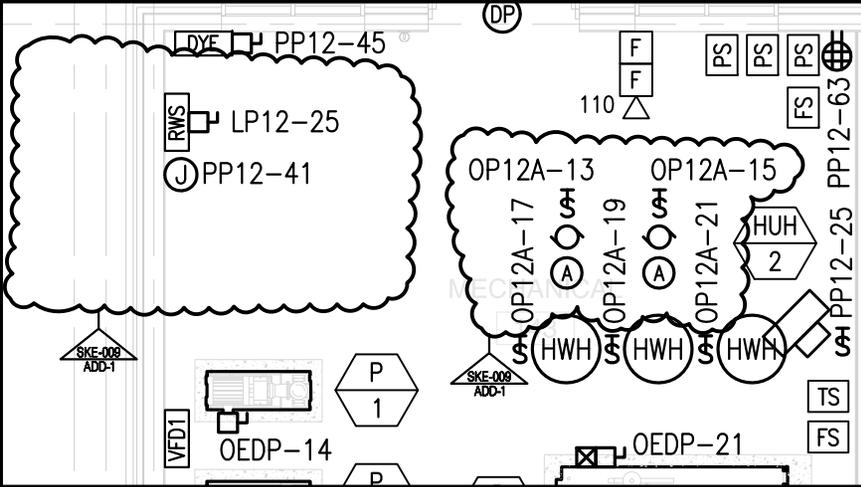
Plymouth, MA

DRAWN BY: BJH
 SCALE: 1/8"=1'-0"
 JOB NO: 1308.00
 DATE: 6/5/2015

SKE-008
 REF DWG: E1.31L/E1.33L

AUTOMOTIVE/
COLLISION
SHOP
130A

ALL RECEPTACLES IN THIS ROOM
TO BE MOUNTED AT 24" A.F.F.
UNLESS OTHERWISE NOTED AND
FED FROM ABOVE. WHEN
EQUIPMENT IS HARDWIRED,
FASTEN TO EQUIPMENT AS PER
ARCHITECTURAL DRAWINGS.



ADDENDUM 1



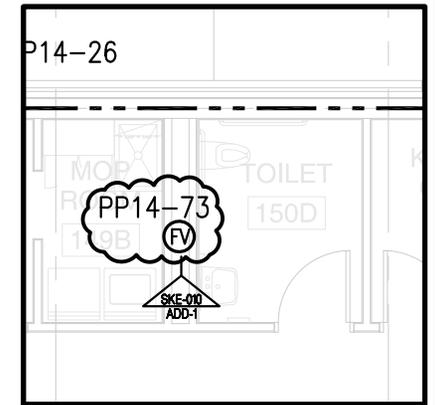
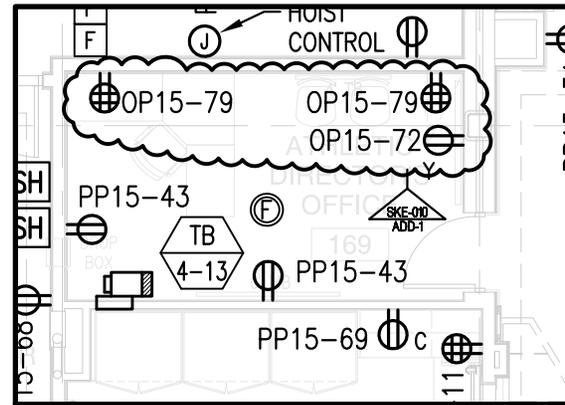
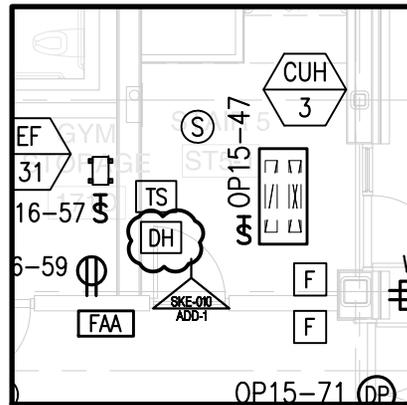
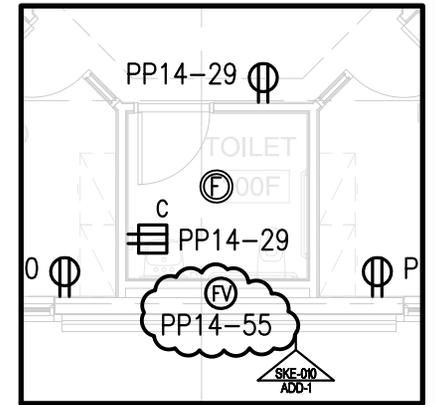
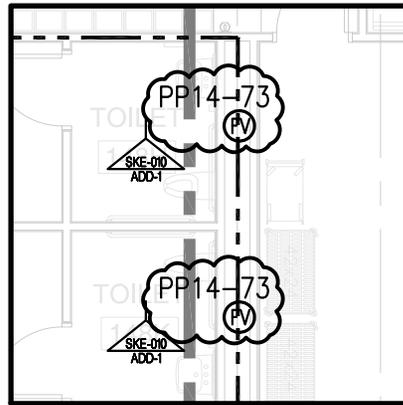
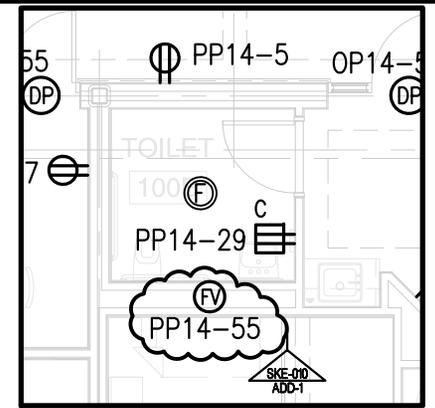
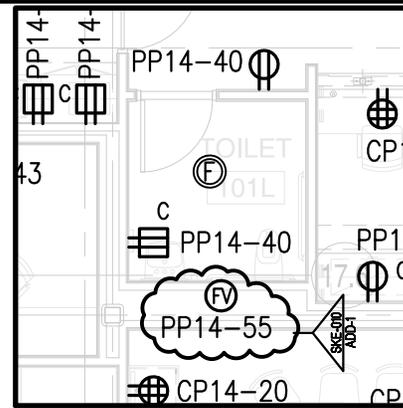
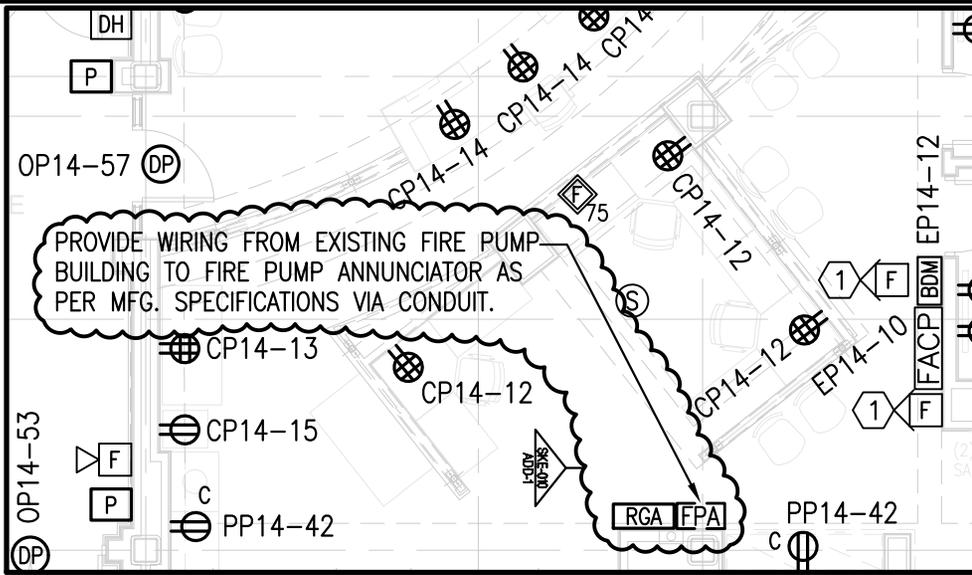
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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY: BJH
SCALE: 1/8"=1'-0"
JOB NO: 1308.00
DATE: 6/5/2015

SKE-009
REF DWG: E1.12P/E1.13P



ADDENDUM 1

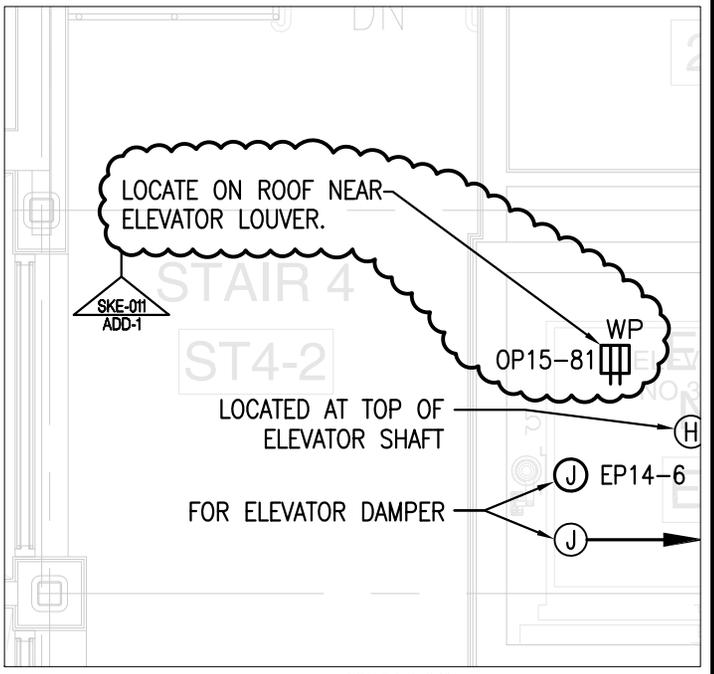
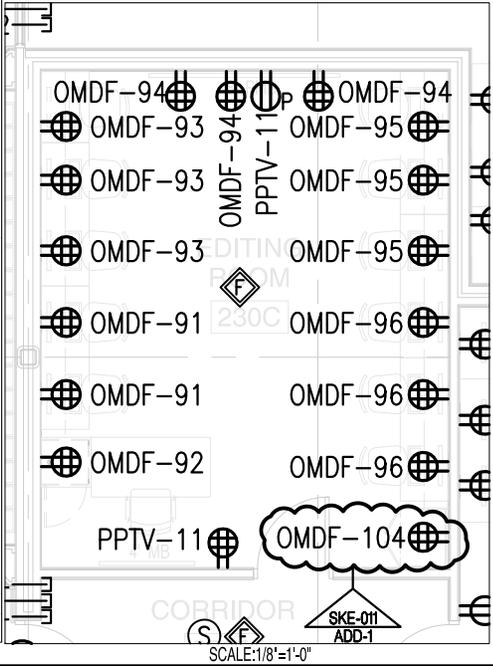
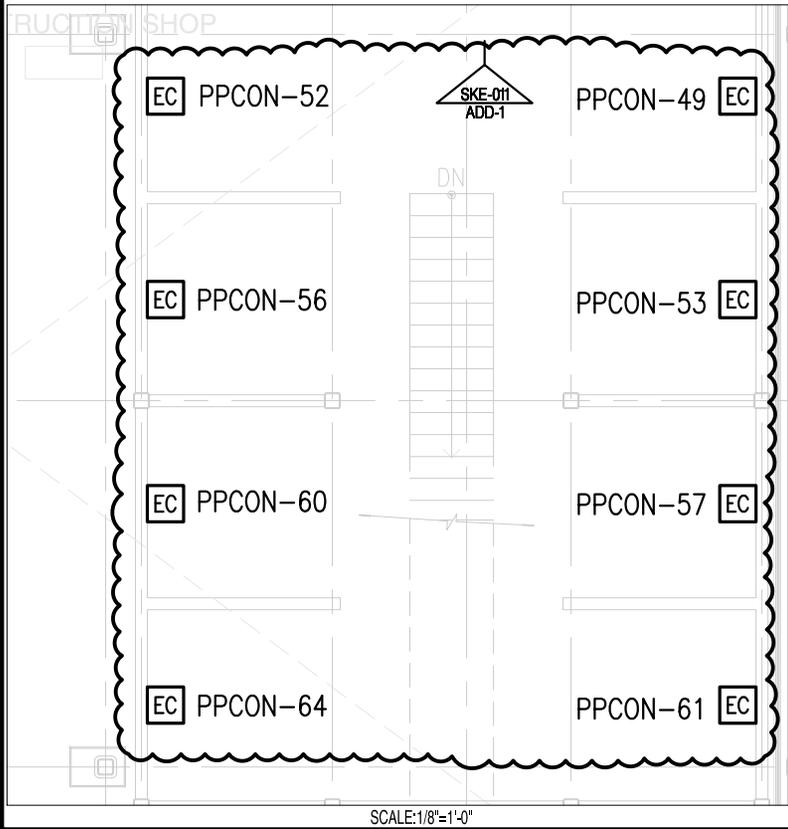
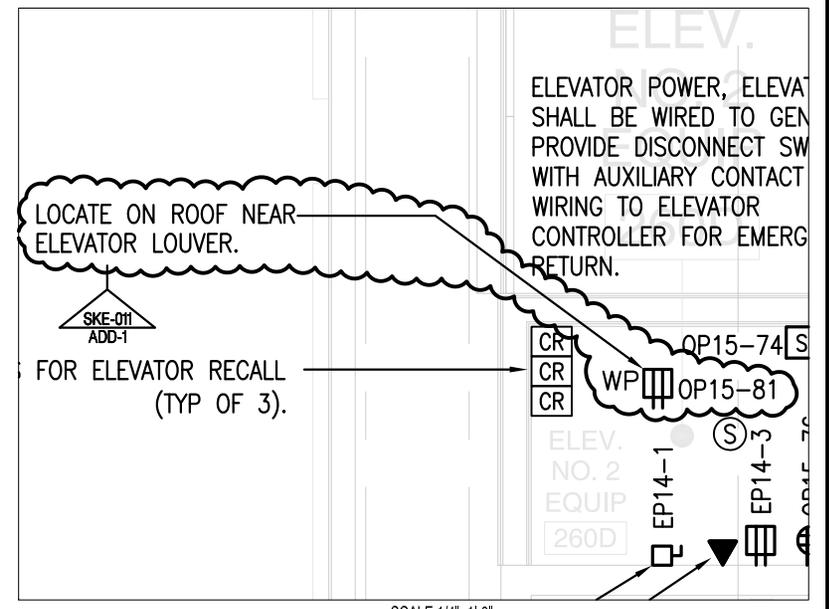
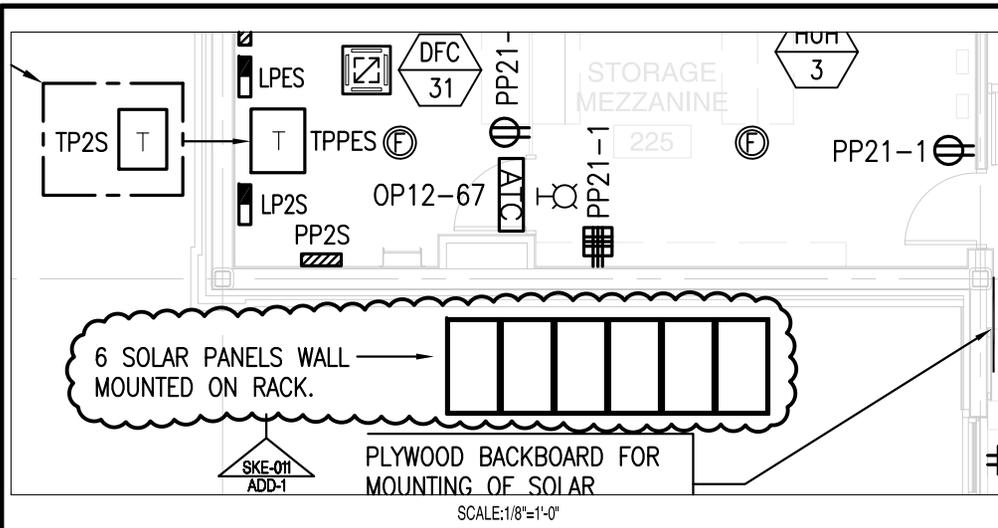


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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	BJH	SKE-010
SCALE:	1/8"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
		REF DWG: E1.14P/E1.15/E1.16P



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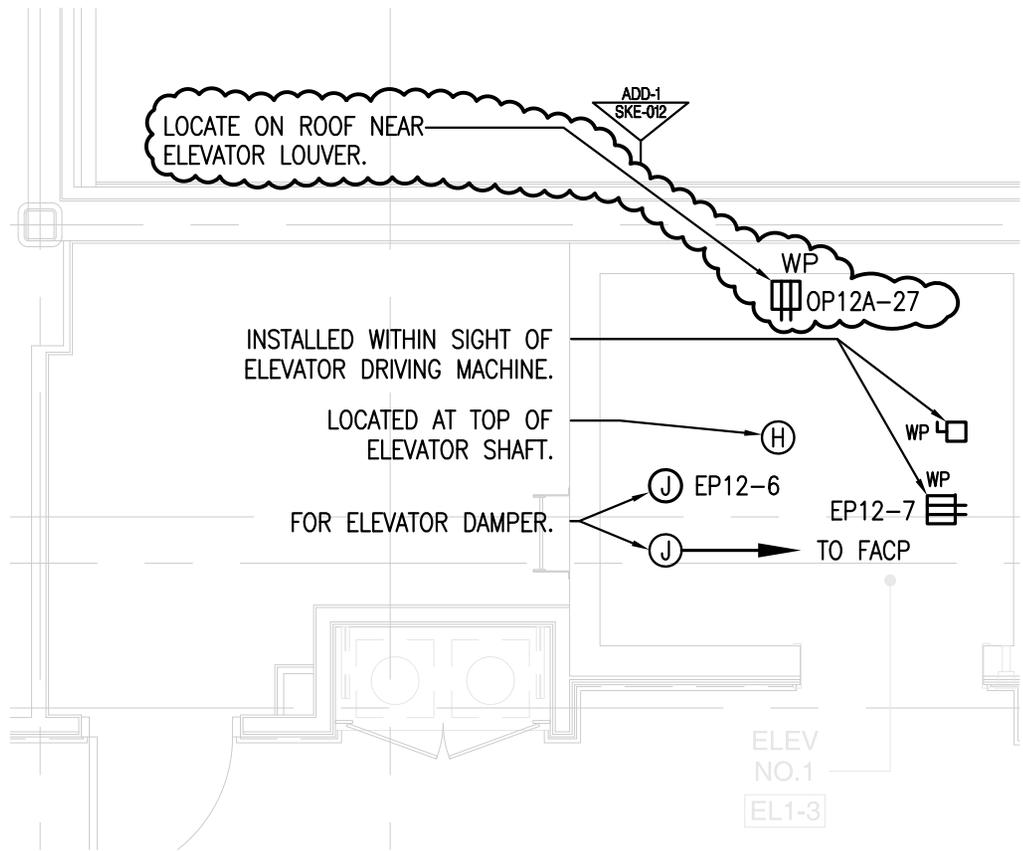
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PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY: BJH
SCALE: As Noted
JOB NO: 1308.00
DATE: 6/5/2015

SKE-011
REF DWG: E1.21P/E1.22P/E1.24P/E1.26P



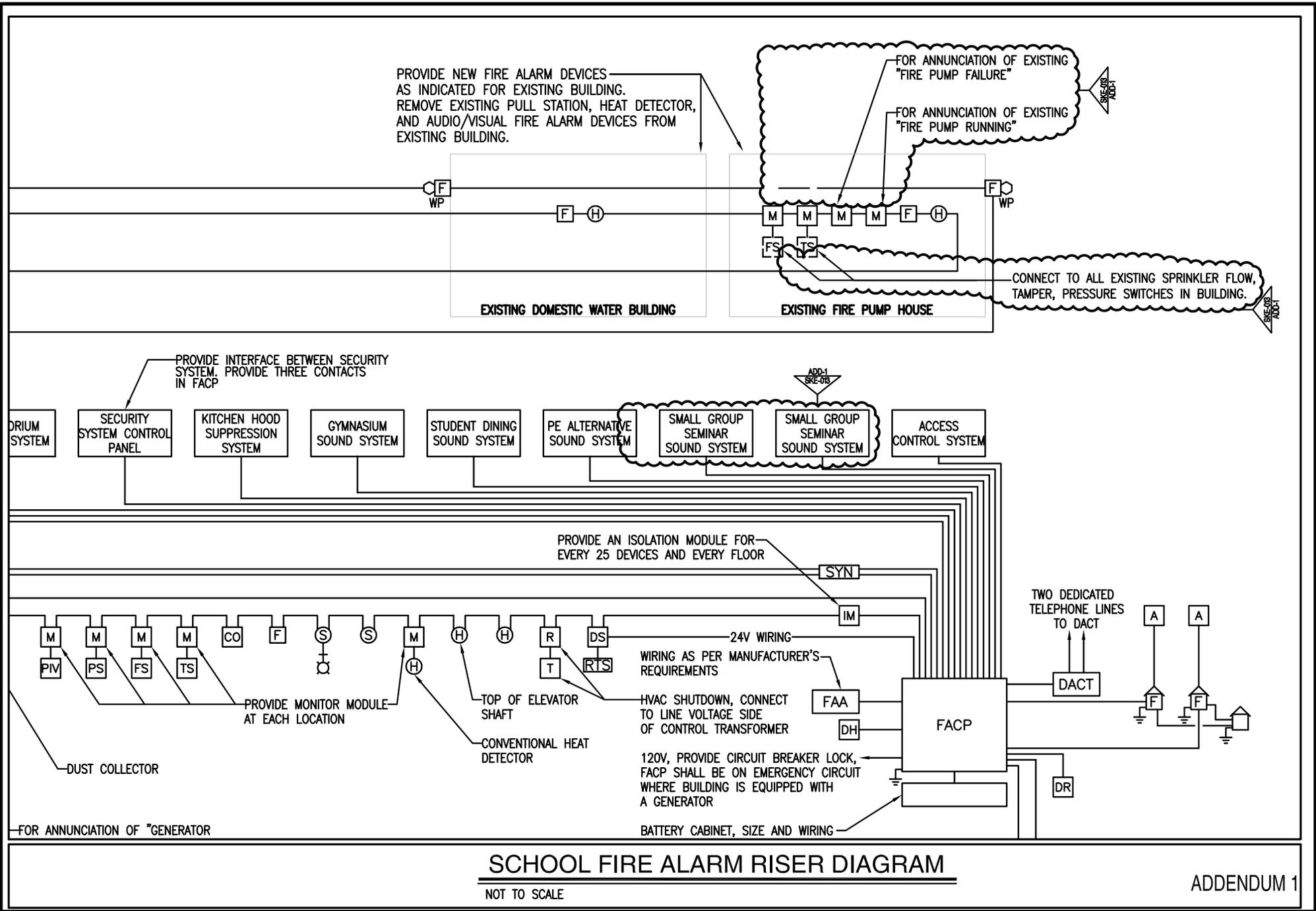
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PLYMOUTH SOUTH HIGH SCHOOL
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DRAWN BY:	BJH	SKE-012
SCALE:	1/4"=1'-0"	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:		E1.32P



SCHOOL FIRE ALARM RISER DIAGRAM

NOT TO SCALE

ADDENDUM 1

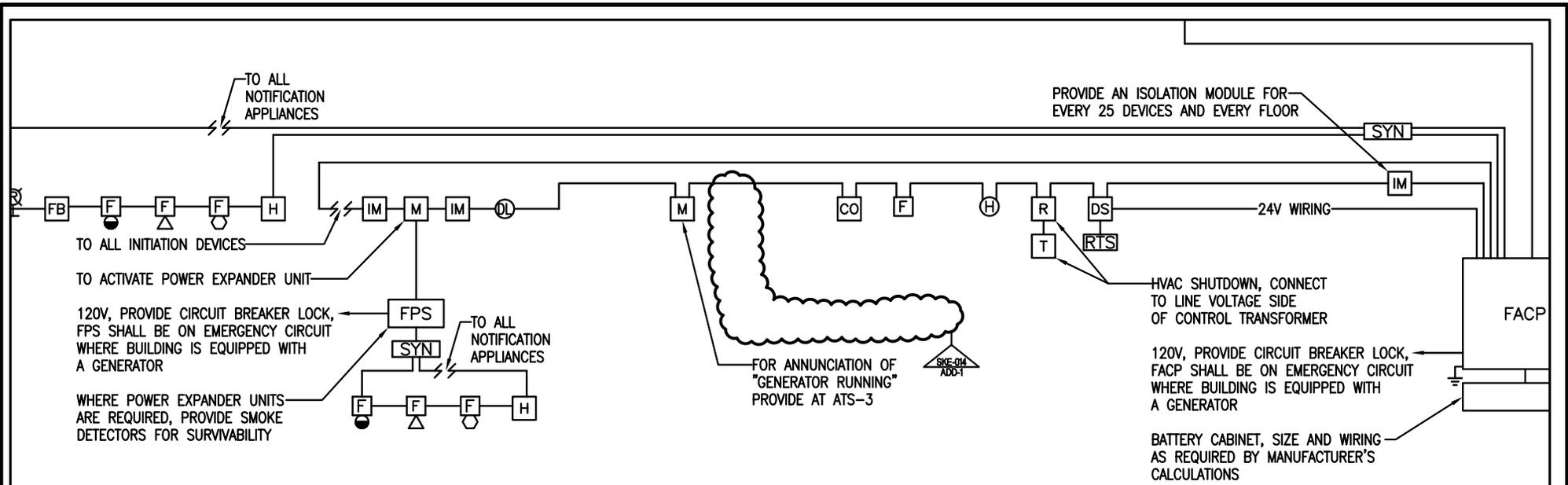


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PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY: BJH
SCALE: None
JOB NO: 1308.00
DATE: 6/5/2015

SKE-013
REF DWG: E2.5



FIRE ALARM RISER NOTES:

1. ALL FIRE ALARM WIRING SHALL BE 2#14 IN CONDUIT, UNLESS OTHERWISE NOTED.
2. THIS FIRE ALARM RISER DIAGRAM IS TYPICAL. REFER TO PLANS FOR QUANTITIES AND LOCATIONS OF DEVICES AND ADDITIONAL REQUIREMENTS. PROVIDE ALL PARTS, MATERIALS, ETC. FOR A FULLY FUNCTIONAL SYSTEM.
3. FIRE ALARM WIRING SHALL BE CONTINUOUS FROM DEVICE TO DEVICE.
4. DEVICE OUTGOING AND RETURN WIRING SHALL RUN IN SEPERATE RACEWAYS.
5. PROVIDE GRAPHIC FRAMED FLOOR PLAN INDICATING ALL FIRE ALARM INITIATING DEVICES (PULL STATIONS, HEAT DETECTORS, ETC.) INDICATE YOU ARE HERE ON FLOOR PLAN. ORIENTATE FLOOR PLAN ACCORDINGLY INDICATE LOCATION OF MASTER BOX. GRAPHIC FLOOR PLAN SHALL BE MOUNTED ADJACENT TO FIRE ALARM PANEL.
6. PROVIDE A DITEK #DTK-2MHLP SURGE PROTECTION DEVICE WHERE INITIATION AND NOTIFICATION LOOP ENTERS AND EXITS EACH BUILDING (FOUR PER BUILDING) WITH ALL BUILDING DEVICES BETWEEN THE SURGE PROTECTION DEVICES.
7. PROVIDE A DITEK #DTK-120HW SURGE PROTECTION DEVICE AHEAD OF FIRE ALARM CONTROL PANEL.

FIRE ALARM RISER DIAGRAM FOR NEW WASTE WATER TREATMENT FACILITY ALTERNATE NO. 1

NOT TO SCALE

ADDENDUM 1



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-014
SCALE:	None	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	E2.5	

Existing Domestic Water Building													
System Outputs													
Control Unit Annunciation				Notification				Required Fire Safety Control	Supplementary				
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 via School Radio Master Box				Transmit supervisory signal to supervising station via School Radio Master Box	Transmit trouble signal to supervising station via School Radio Master Box				
Unlock exits									Actuate exterior strobe				
System Inputs													
A	B	C	D	E	F	G	H	I	J	K	L	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				
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 via School Radio Master Box				Transmit supervisory signal to supervising station via School Radio Master Box	Transmit trouble signal to supervising station via School Radio Master Box				
Unlock exits									Actuate exterior strobe				
System Inputs													
A	B	C	D	E	F	G	H	I	J	K	L	N	
1 Manual Fire Alarm Boxes	●	●				●	●	●				●	●
2 Heat Detectors	●	●				●	●	●				●	●
3 Waterflow	●	●				●	●	●				●	●
4 Sprinkler Control Valve					●	●						●	●
5 Fire Pump Running	●	●				●	●	●				●	●
6 Fire Pump Power Failure/Phase Reversal					●	●						●	
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				
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 via School Radio Master Box				Transmit supervisory signal to supervising station via School Radio Master Box	Transmit trouble signal to supervising station via School Radio Master Box				
Unlock exits									Actuate exterior strobe				
System Inputs													
A	B	C	D	E	F	G	H	I	J	K	L	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				
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 via School Radio Master Box				Transmit supervisory signal to supervising station via School Radio Master Box	Transmit trouble signal to supervising station via School Radio Master Box				
Unlock exits									Actuate exterior strobe				
System Inputs													
A	B	C	D	E	F	G	H	I	J	K	L	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			
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 via School Radio Master Box							Transmit supervisory signal to supervising station via School Radio Master Box			Transmit trouble signal to supervising station via School Radio Master Box			
Release magnetically held smoke doors							Recall elevators to primary 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 Destraification Fans			
System Inputs																				
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
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					●	●						●	●	●	●	●	●	●	●	●
8 Fire Alarm AC Power Failure					●	●						●	●	●	●	●	●	●	●	●
9 Fire Alarm System Low Battery					●	●						●	●	●	●	●	●	●	●	●
10 Open Circuit					●	●						●	●	●	●	●	●	●	●	●
11 Ground Fault					●	●						●	●	●	●	●	●	●	●	●
12 Notification Appliance Circuit Short					●	●						●	●	●	●	●	●	●	●	●
13 Carbon Monoxide Detectors	●	●				●	●	●				●	●	●	●	●	●	●	●	●
14 Dust Collector	●	●				●	●	●				●	●	●	●	●	●	●	●	●
15 Generator Running		●	●									●	●	●	●	●	●	●	●	●
16 Bidirectional Amplifier		●	●									●	●	●	●	●	●	●	●	●
17 Kitchen Hood Suppression	●	●				●	●	●				●	●	●	●	●	●	●	●	●
18 Stage Smoke Hatches	●	●				●	●	●				●	●	●	●	●	●	●	●	●

Storage Support & Restroom Facility													
System Outputs													
Control Unit Annunciation				Notification				Required Fire Safety Control	Supplementary				
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 via School Radio Master Box				Transmit supervisory signal to supervising station via School Radio Master Box	Transmit trouble signal to supervising station via School Radio Master Box				
Unlock exits									Actuate exterior strobe				
System Inputs													
A	B	C	D	E	F	G	H	I	J	K	L	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 Kitchen Hood Suppression	●	●				●	●	●				●	●

SKE-015
ADD-1

DRAWN BY: BUJ
SCALE: None
JOB NO: 1308.00
DATE: 6/5/2015

PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

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



DR1	Dimmer
Dim/Circuit #	Dimmer Module
59	D20
60	D20
61	D20
62	D20
63	D20
64	D20
65	D20
66	D20
67	TR-20
68	TR-20
69	D20
70	D-20
71	D20
72	D20
73	R20
74	R20
75	D20
76	D20
77	D20
78	D20
79	TR-20

SKE-016
ADD-1

DRS-2 Dimmer Panel Schedule

Dim/Circuit #	Location	Designation	Module Type
25	Connector Strip #3	CSS-3	D20
26	Connector Strip #3	CSS-3	D20
27	Connector Strip #3	CSS-3	TR-20
28	Connector Strip #4	CSS-4	TR-20
29	Connector Strip #4	CSS-4	D20
30	Connector Strip #4	CSS-4	D20
31	Connector Strip #4	CSS-4	D20
32	Connector Strip #4	CSS-4	D20
33	Connector Strip #4	CSS-4	D20
34	Connector Strip #4	CSS-4	D20
35	Connector Strip #4	CSS-4	TR-20
36	Connector Strip #4	CSS-4	TR-20
37	Wall Box #1	WBS-1	D20
38	Wall Box #1	WBS-1	D20
39	Wall Box #3	WBS-3	D20
40	Wall Box #3	WBS-3	D20
41	Wall Box #4	WBS-4	D20
42	Wall Box #4	WBS-4	D20
43	Wall Box #6	WBS-6	D20
44	Wall Box #6	WBS-6	D20
45	House light - Down light	U1	D20
46	House light Cylinder	U	D20
47	House light - Down light	U2	D20
48	Track Lighting	U3	D20

SKE-016
ADD-1

ADDENDUM 1



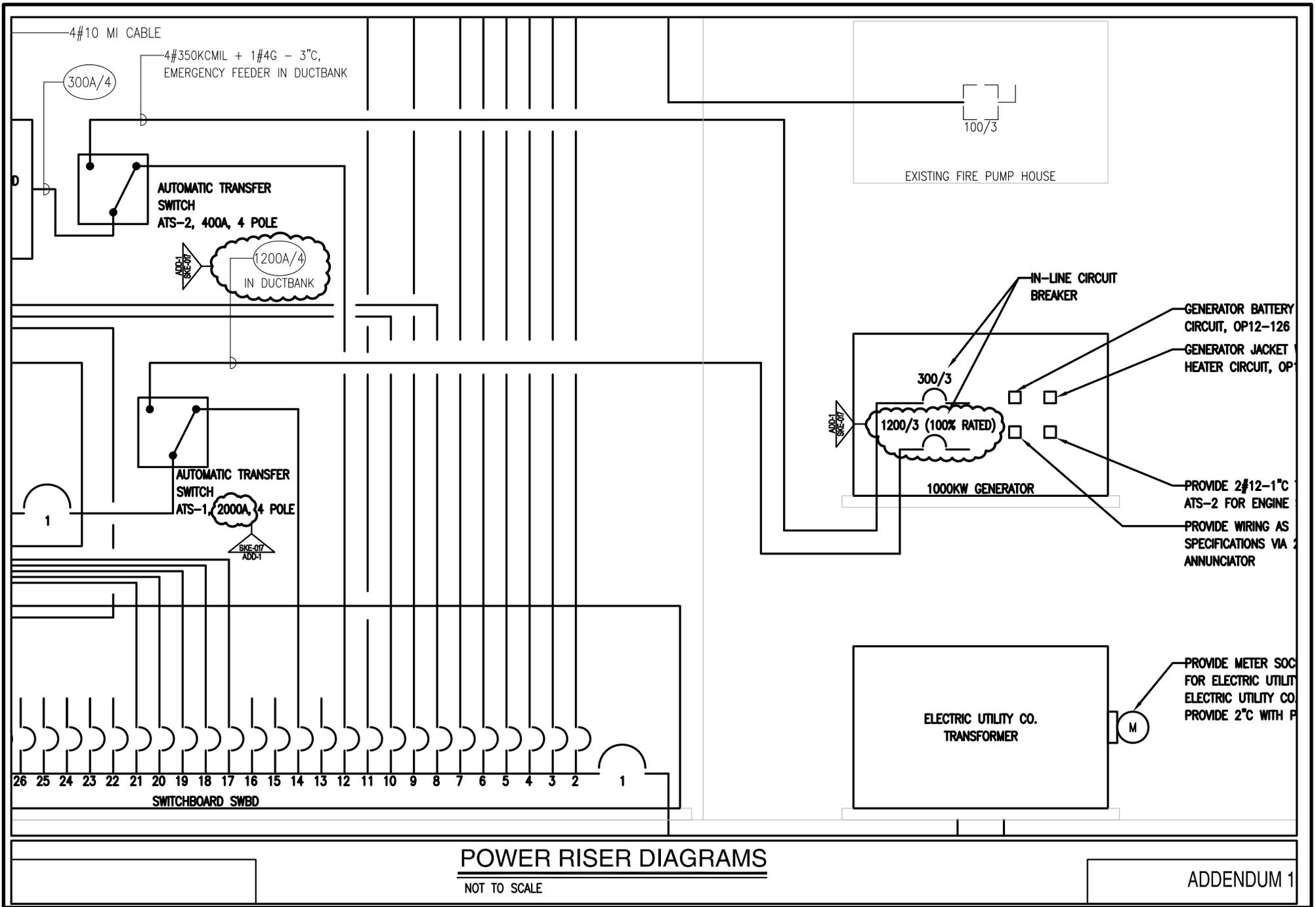
526 Boston Post Road
Wayland, MA 01778
TEL. 508.358.0790
FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY: BJH
SCALE: None
JOB NO: 1308.00
DATE: 6/5/2015

SKE-016
REF DWG: E1.8



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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: 6/5/2015

SKE-017
REF DWG: E2.4

SWITCHBOARD SCHEDULE

5,000A, 277/480V, 3 ϕ , 4W, 100,000 SHORT CIRCUIT A.I.C., FLOOR MOUNTED, WITH GROUND FAULT PROTECTION, AND INTEGRAL

CIRCUIT BREAKER		LOAD	FEEDER AND CONDUIT SIZE	NOTES
NUMBER	TRIP (A)			
1	5000/3	MAIN CIRCUIT BREAKER	SEE NOTES	PROVIDE 48 #750KCMIL + 12#3/0G - (12) 4" C. FROM ELECTRIC UTILITY SWITCHBOARD, VIA SECONDARY BUS TRANSCLASURE CABINET. 100% RATED
14	2000/3	AUTOMATIC TRANSFER SWITCH ATS-1	2000A/4	-

DISTRIBUTION PANELBOARD OEDP SCHEDULE

2,000A, 277/480V, 3 ϕ , 4W, 100,000 SHORT CIRCUIT A.I.C., SURFACE MOUNTED, AND INTEGRAL SPD

CIRCUIT BREAKER		LOAD	FEEDER AND CONDUIT SIZE	NOTES
NUMBER	TRIP (A)			
1	2000/3	MAIN CIRCUIT BREAKER	2000A/4	-
2	200/3	SPARE	X	-

ADDENDUM 1



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-018
SCALE:	None	
JOB NO:	1308.00	
DATE:	6/5/2015	
REF DWG:	E2.6	

PANELBOARD: **CP12**

175 A, 208Y/120 V, 3PH, 4W, 60HZ

AIC: 100,000

MAIN LUG ONLY
 MAIN CIRCUIT BREAKER

NOTES:
LC = VIA LIGHTING CONTROL PANEL
G = GFCI - 5mA TRIP
P = GFPE - 30 mA TRIP
S = SHUNT TRIP
L = PROVIDE LOCK ON CB
IG = ISOLATED GROUND

SHUNT TRIP
 200% RATED
 COMPUTE
 FEED THRU
 GROUND FAULT M

BUS RATING: 225A

FLUSH MOUNTED
 SURFACE MOUNTED

CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER								CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER			
				20/1	AAA	BBB	CCC	DDD	EEE	FFF	GGG					20/1	AAA	BBB	
31	RECEPTACLE		10	1								32	RECEPTACLE		12	1			
33	SPARE			1								34	RECEPTACLE		12	1			
35	RECEPTACLE		10	1								36	RECEPTACLE		10	1			
37	RECEPTACLE		10	1								38	RECEPTACLE		8	1			

PANELBOARD: **CP15**

50 A, 208Y/120 V, 3PH, 4W, 60HZ

AIC: 100,000

MAIN LUG ONLY
 MAIN CIRCUIT BREAKER

NOTES:
LC = VIA LIGHTING CONTROL PANEL
G = GFCI - 5mA TRIP
P = GFPE - 30 mA TRIP
S = SHUNT TRIP
L = PROVIDE LOCK ON CB
IG = ISOLATED GROUND

SHUNT TRIP
 200% RATED
 COMPUTE
 FEED THRU
 GROUND FAULT M

BUS RATING: 100A

FLUSH MOUNTED
 SURFACE MOUNTED

CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER								CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER			
				20/1	AAA	BBB	CCC	DDD	EEE	FFF	GGG					20/1	AAA	BBB	
1	RECEPTACLE		12	1								2	RECEPTACLE		12	1			
3	RECEPTACLE		12	1								4	RECEPTACLE		12	1			
5	SPARE			1								6	RECEPTACLE		12	1			
7	SPARE			1								8	RECEPTACLE		10	1			

ADDENDUM 1



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: 6/5/2015

SKE-019
 REF DWG: E2.9

PANELBOARD: **LP12**

300 A, 480Y/277 V, 3 PH, 4 W, 60 HZ

AIC:

MAIN LUG ONLY
 MAIN CIRCUIT BREAKER

NOTES:	
LC =	VIA LIGHTING CONTROL PANEL
G =	GFCI - 5mA TRIP
P =	GFPE - 30 mA TRIP
S =	SHUNT TRIP
L =	PROVIDE LOCK ON CB

SHUNT TRIP MA
 200% RATED NEUTR
 ISOLATED GROU
 FEED THRU LU
 100% RATED MAIN BREAK
 GROUND FAULT MAIN C

BUS RATING:

FLUSH MOUNTED
 SURFACE MOUNTED

CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER								CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT B					
				20/1	20/3	30/3	20/2	DDD	EEE	70/3	175/3					20/1	20/3	30/3	20/2		
21	VACUUM PUMP		10				1						22	SPARE				1			
23													24	SPARE				1			
25	RW CONTROL PANEL / RW SYSTEM WELL PUMPS		12				1						26	SPARE				1			
27													28	SPARE				1			
29	SPARE					1							30	SPARE				1			
31	SPARE					1							32								
33	SPARE					1							34	TRANSFORMER TC12							
35	SPARE					1							36								
37	DISPLAY CASE LIGHTING	LC	12			1							38								

PANELBOARD: **LHT**

250 A, 480Y/277 V, 3 PH,

AIC:

MAIN LUG ONLY
 MAIN CIRCUIT BREAKER

NOTES:	
LC =	VIA LIGHTING CONTR
G =	GFCI - 5mA T
P =	GFPE - 30 mA
S =	SHUNT TRIP
L =	PROVIDE LOCK

ALTERNATE NO. 2

BUS RATING:

FLUSH MOUNTED
 SURFACE MOUNTED

CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER								CKT No.	LOAD DESCRIP	
				20/1	40/3	20/3	50/3	DDD	EEE	FFF	125/3			
1	LIGHTING		12				1						2	
3	LIGHTING		12				1						4	ECUH-1
5	SPARE						1						6	

ADDENDUM 1



526 Boston Post Road
 Wayland, MA 01778
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PLYMOUTH SOUTH HIGH SCHOOL
 Plymouth, MA

DRAWN BY: BJH
 SCALE: None
 JOB NO: 1308.00
 DATE: 6/5/2015

SKE-020
 REF DWG: E2.11

PANELBOARD: **OP12A** **1**
 AIC: MA
MAIN CIRCUIT BREAKER
 BUS RATING: FLUSH MOUNTED
SURFACE MOUNTED

CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT			
				20/1	30/1	30/2	40/2
11	DOOR POWER		8	1			
13	RE-CIRC PUMP / AQUASTAT		12	1			
15	RE-CIRC PUMP / AQUASTAT		12	1			
17	HOT WATER HEATER		12	1			
19	HOT WATER HEATER		12	1			
21	HOT WATER HEATER		12	1			
23	RECEPTACLE		12	1			
25	RECEPTACLE		12	1			
27	RECEPTACLE	ADD-1 SKE-021	12	1			
29	SPARE						

PANELBOARD: **OP14** **400**
 AIC: MAIN L
MAIN CIRCUIT BREAKER
 BUS RATING: FLUSH M
SURFACE M

CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT			
				20/1	30/1	30/2	40/2
57	DOOR POWER		8	1			
59	FLUSH VALVE		12	1			
61	FLUSH VALVE	ADD-1 SKE-021	12	1			
63	SPARE						
65	SPARE			1			

PANELBOARD: **OP15** **600**
 AIC: MAIN L
MAIN CIRCUIT BREAKER

No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT			
				20/1	30/1	30/2	40/2
73	DOOR POWER		8	1			
75	IDF RECEPTACLE		12	1			
77	RECEPTACLES		8	1			
79	RECEPTACLE		12	1			
81	RECEPTACLE	ADD-1 SKE-021	12	1			
83	SPARE						

ADDENDUM 1



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PLYMOUTH SOUTH HIGH SCHOOL
 Plymouth, MA

DRAWN BY: BJH
 SCALE: None
 JOB NO: 1308.00
 DATE: 6/5/2015

SKE-021
 REF DWG: E2.13

PANELBOARD: **PP12**

400 A, 208Y/120 V, 3PH, 4W, 60HZ

CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER					CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER						
				20/1	100/3	30/1	25/2	30/2					20/1	100/3	30/1	25/2	30/2	EEE	
1	EXTERIOR ELECTRONIC SIGN		4	1					2	FLUSH VALVE		12	1						
3	OVERHEAD DOOR		12	1					4	SPARE			1						
35	ACID TANK CONTROL PANEL		12	1					36	VACCUM PUMP CONTROL PANEL		12	1						
37	HWH / EMG SHWR		10	1					38	CIRC PMP / AQST / SOLVALV		12	1						
39	METERING PUMP		12	1					40	SPARE			1						
41	RW SYSTEM CONTROLS	SKE-022 ADD-1	12	1					42	SPARE			1						
43	SPARE			1					44	SPARE			1						
45	DYE SYS / ULTRAVIOLET SYS		12	1					46	RECEPTACLE		8	1						
47	RECEPTACLE		8	1					48	RECEPTACLE		12	1						

PANELBOARD: **PP14**

300 A, 208Y/120 V, 3PH, 4W, 60HZ

CKT No.	LOAD DESCRIPTION	Note	WIRE SIZE	CIRCUIT BREAKER						
				20/1	20/2	30/1	40/1	30/2	EEE	EEE
1	OVERHEAD DOOR		12	1						
3	FLUSH VALVES	SKE-022 ADD-1	12	1						
5	RECEPTACLE		12	1						
53	RECEPTACLE		10	1						
55	FLUSH VALVES	SKE-022 ADD-1	12	1						
57	RECEPTACLE		10	1						
71	RECEPTACLE		12	1						
73	FLUSH VALVES	SKE-022 ADD-1	12	1						
75	SPARE			1						

PANELBOARD: **PHT**

300 A, 208Y/120 V, 3PH, 4W, 60HZ

CKT No.	LOAD	Note	WIRE SIZE	CIRCUIT BREAKER			
				20/1	30/2	100/2	50/3
50	EF-46		12	1			
52	LIGHTING	SKE-022 ADD-1	12	1			
54	SPARE			1			

ADDENDUM 1

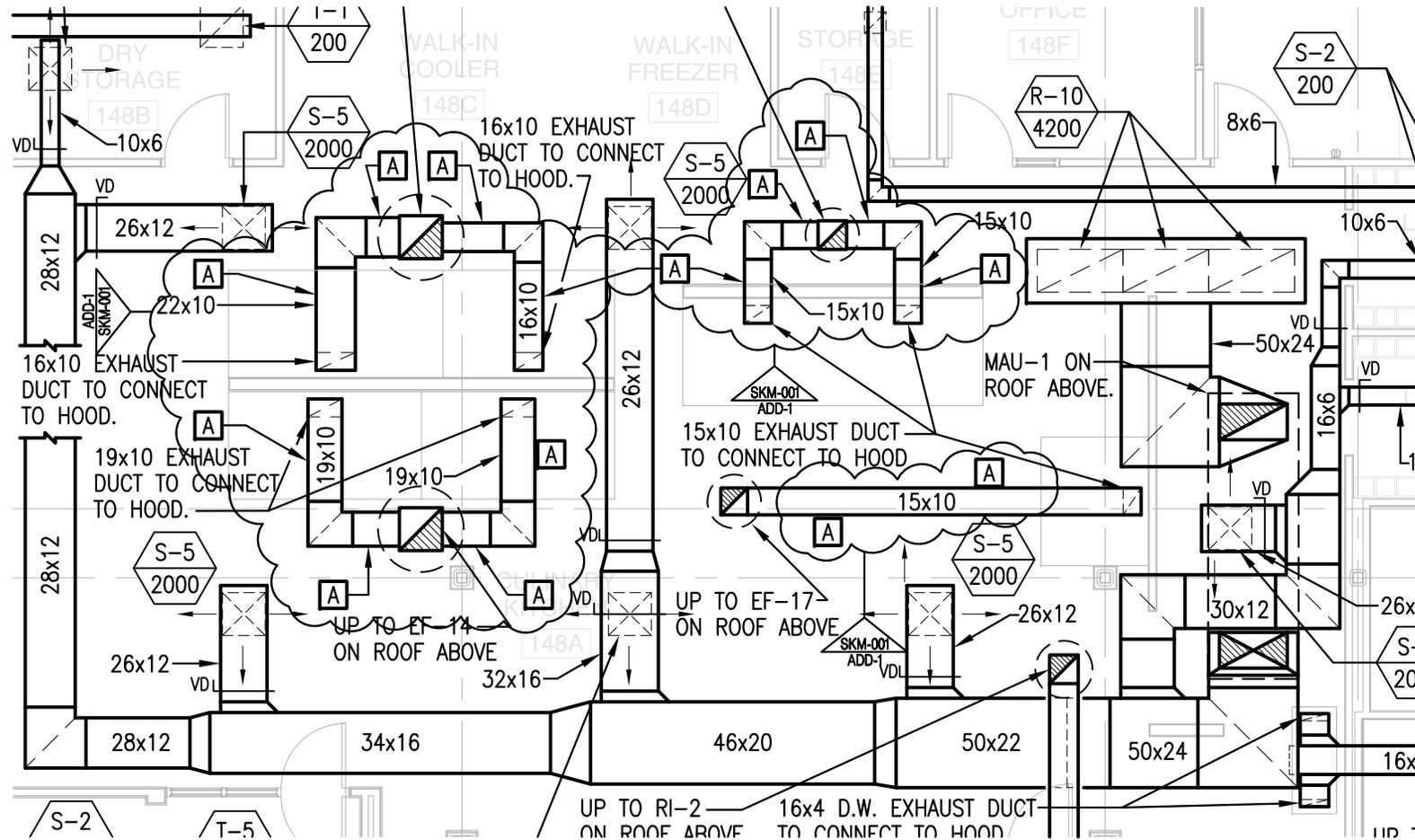


526 Boston Post Road
Wayland, MA 01778
TEL. 508.358.0790
FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL
Plymouth, MA

DRAWN BY: BJH
SCALE: None
JOB NO: 1308.00
DATE: 6/5/2015

SKE-022
REF DWG: E2.14



- A** 8"x8" ACCESS PANEL AT SIDE OF DUCT W/ FIRE RATED GASKET FOR DUCT CLEAN-OUT
- B** 12"x12" ACCESS PANEL AT SIDE OF DUCT W/ FIRE RATED GASKET FOR DUCT CLEAN-OUT

ADDENDUM 1



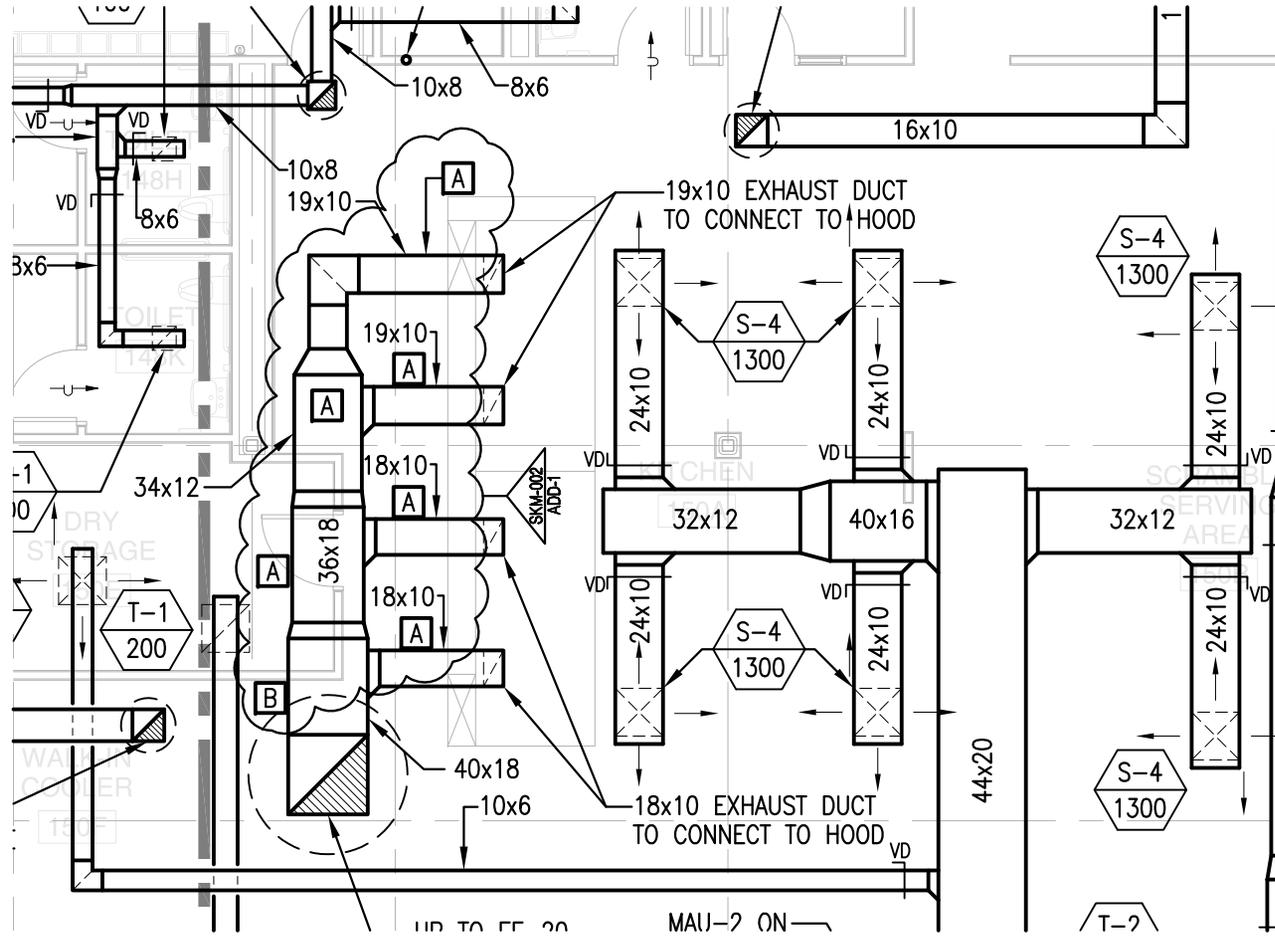
526 Boston Post Road
Wayland, MA 01778
TEL. 508.358.0790
FAX. 508.358.0791

PLYMOUTH SOUTH HIGH SCHOOL

Plymouth, MA

DRAWN BY:	JAJ
SCALE:	1/8"=1'-0"
JOB NO:	1308.00
DATE:	6/5/2015

SKM-001
REF DWG: M1.13



A 8"x8" ACCESS PANEL AT SIDE OF DUCT W/
 FIRE RATED GASKET FOR DUCT CLEAN-OUT
B 12"x12" ACCESS PANEL AT SIDE OF DUCT W/
 FIRE RATED GASKET FOR DUCT CLEAN-OUT

ADDENDUM 1



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DRAWN BY: JAJ
 SCALE: 1/8"=1'-0"
 JOB NO: 1308.00
 DATE: 6/5/2015

SKM-002
 REF DWG: M1.14

DRS-1 Dimmer Panel Schedule				DRS-2 Dimmer Panel Schedule			
Dim/Circuit #	Location	Designation	Module Type	Dim/Circuit #	Location	Designation	Module Type
1	Connector Strip #1	CSS-1	D20	25	Connector Strip #3	CSS-3	D20
2	Connector Strip #1	CSS-1	D20	26	Connector Strip #3	CSS-3	D20
3	Connector Strip #1	CSS-1	TR-20	27	Connector Strip #3	CSS-3	TR-20
4	Connector Strip #1	CSS-1	TR-20	28	Connector Strip #4	CSS-4	TR-20
5	Connector Strip #1	CSS-1	D20	29	Connector Strip #4	CSS-4	D20
6	Connector Strip #1	CSS-1	D20	30	Connector Strip #4	CSS-4	D20
7	Connector Strip #1	CSS-1	D20	31	Connector Strip #4	CSS-4	D20
8	Connector Strip #1	CSS-1	D20	32	Connector Strip #4	CSS-4	D20
9	Connector Strip #1	CSS-1	TR-20	33	Connector Strip #4	CSS-4	D20
10	Connector Strip #2	CSS-2	TR-20	34	Connector Strip #4	CSS-4	D20
11	Connector Strip #2	CSS-2	D20	35	Connector Strip #4	CSS-4	TR-20
12	Connector Strip #2	CSS-2	D20	36	Connector Strip #4	CSS-4	TR-20
13	Connector Strip #2	CSS-2	D20	37	Wall Box #1	WBS-1	D20
14	Connector Strip #2	CSS-2	D20	38	Wall Box #1	WBS-1	D20
15	Connector Strip #2	CSS-2	D20	39	Wall Box #3	WBS-3	D20
16	Connector Strip #2	CSS-2	D20	40	Wall Box #3	WBS-3	D20
17	Connector Strip #2	CSS-2	TR-20	41	Wall Box #4	WBS-4	D20
18	Connector Strip #2	CSS-2	TR-20	42	Wall Box #4	WBS-4	D20
19	Connector Strip #3	CSS-3	D20	43	Wall Box #6	WBS-6	D20
20	Connector Strip #3	CSS-3	D20	44	Wall Box #6	WBS-6	D20
21	Connector Strip #3	CSS-3	D20	45	House light - Down light	U1	D20
22	Connector Strip #3	CSS-3	D20	46	House light Cylinder	U	D20
23	Connector Strip #3	CSS-3	TR-20	47	House light - Down light	U2	D20
24	Conector Strip #3	CSS-3	TR-20	48	Track Lightinng	U3	D20

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DRAWN BY: SJS
SCALE: NTS
JOB NO: 1308.00
DATE: 6/4/15

SKTL-001
REF DWG: TL507