# DEVELOPMENT AGREEMENT

**AGREEMENT** dated as of June 25, 2018, 2018 between the **City of Bridgeport**, a municipal body corporate and politic organized and existing under the laws of the State of Connecticut, acting through its Library Board, a municipal library board, having an address at 925 Broad Street, Bridgeport, Connecticut ("**City**" or "**Library Board**") and **Ashlar Construction LLC**, having an address at 277 Fairfield Avenue, Bridgeport, Connecticut ("**Developer**").

## RECITALS

WHEREAS, the City published a Request For Expressions of Developer Interest on September 15, 2015 ("**RFEI**") and the Developer submitted its qualifications (the "**Developer Qualifications**");

WHEREAS, the Library Board has accepted the Developer Qualifications;

WHEREAS, in order to undertake the necessary pre-development preparations for the Project (defined below), the Library Board and the Developer entered into that certain Pre-Development Services Agreement dated January 9, 2018 (the "**Pre-Development Agreement**") while the Library Board was awating the State's decision on its grant request;

WHEREAS, a critical element of the Library Board's financing of the Project (defined below) consists of a $1,000,000 construction grant from the Library Board of the State of Connecticut (the "**Grant**");

WHEREAS, in order for the City to receive the Grant and comply with its terms and conditions, the Developer shall be required to comply with such terms and conditions set forth in that certain agreement between the State Library and the City of Bridgeport dated May 15, 2018 (the "**Grant Contract**"), which is attached hereto and incorporated by reference as **Exhibit 10;**

WHEREAS, the Grant Contract requires the Developer to adhere to the State Library's guidelines for construction contracts set forth at https://libguides.ctstatelibrary.org/dld/construction/constructiongrants, which guidelines include the requirement that the Developer be or become prequalified as a minority business contractor, adhere to the General Conditions of Construction contained in AIA A201- (2007 version), seek State Library approval of certain change orders, pay prevailing wages to all workers, adhere to an Affirmative Action Plan approved by the State of Connecticut Division of Human Rights and Opportunities, erect the appropriate project sign required by the State of Connecticut, and the like (collectively, the "State Library Grant Requirements";

WHEREAS, the Developer has been working with the design professional and project architect, Antinozzi Associates, located at 271 Fairfield Avenue,

Bridgeport, Connecticut (the "**Project Architect**"), to provide cost-estimating, space programming, site planning, budgets, schedules and other items including the necessary design and construction drawings for the bidding of the reconstruction and expansion of the Newfield Library, located at 755 Central Avenue, Bridgeport, Connecticut as shown generally on the conceptual design plans attached as **Exhibit 1** hereto and incorporated by reference (the "**Project**");

WHEREAS, the Library Board has previously approved the conceptual design drawings for the Project and will approve the final design development drawings and the issued-for-construction drawings at the point where they are near completion and sufficient for bidding purposes identified by drawing sheet, date of issuance and date of last revision, with each page being signed or initialed by the City (the "**Issued-For-Construction Drawings**"), more particularly set forth and described in or to be described in **Exhibit 4** attached hereto and incorporated herein by reference;

WHEREAS, after the Developer has accepted bids for all divisions of work of the Project, it will submit its guaranteed maximum price for the construction and delivery of the Project as substantially complete to the Library Board, including costs and expenses of every kind and nature and a completion schedule acceptable to the Library Board (the "**GMP**");

and

WHEREAS, upon the Library Board's acceptance of the GMP, the Library Board will direct the Developer in writing to commence construction of the Project and to complete the delivery of the Project in accordance with the GMP, the schedule and this Agreement.

NOW, THEREFORE, in consideration of the Recitals, which are hereby incorporated into this Agreement, and the receipt of other good, mutual and valuable consideration set forth herein, the sufficiency of which is hereby acknowledged, the parties agree as follows:

**Definitions.** For purposes of this Agreement, the following terms shall have the following meanings assigned to them:

**Addenda** means any document, agreement, schedule, exhibit, attachment, reference, amendment or other thing referred to herein, including but not limited to the GMP, required to be made a part hereof, or agreed by the parties to be incorporated into this Agreement as if each were fully set forth herein.

**Additional Project Costs** means the cost of delays or disruptions of the type described in the definition of "Time is of the Essence" or due to the City's breach

of this Agreement or that are the subject of Approved written change orders, and, provided that the Developer is not in default of its material obligations at the time of any such delay, disruption, breach or change order, or as the result of events or conditions constituting excusable delay, are not included in the GMP and will be treated as additional project costs payable by the City.

**Agency** means any federal, State, municipal or other governmental department, commission, board, bureau, agency, institution, public authority, office, council, association, instrumentality or political subdivision having jurisdiction over either of the parties or the Project Property or the Project.

**Applicable Law or Laws** means any applicable or relevant State, federal or local laws, codes, regulations, ordinances, requirements, rules or rulings, executive orders, judicial or administrative interpretations, orders or decrees with respect to such laws.

**"Approve", "Approval"** or **"Consent"** means, with respect to the administration and performance of this Agreement, that the City Representative has given his/her written approval(s) to the Developer when requested, including but not limited to, the approval of budgets, designs, directions, changes or deviations from or with respect to the Project Scope, the Project Specifications, additional costs or expenses, substitutions, time delays, schedule changes, Clarifications, Refinement Documents, etc. In any case where the Developer intends to rely on any verbal authorization of the City that is not reduced to writing, it is the Developer's responsibility to reduce its request for Approval or Consent to writing and submit it to the City for formal written Approval or Consent in order to be enforceable as an Approval or Consent under this Agreement. In connection with any request from the Developer for Approval or Consent, the City shall make a decision to grant or deny such a request by applying its prudent commercial business judgment, reasonably exercised. Approval as to the City's authorization and acceptance of the GMP means and constitutes the City's representation to the Developer that it has reviewed the Project Architect's Issued-For-Construction Drawings and the Developer's final construction budget ("**Final Budget**") including allowances and contingencies, and the final schedule ("**Project Completion Schedule**"), and reasonably believes that the portion of the GMP relating to the renovation of the Project Property will result in the completion of the Project in accordance with the terms of this Agreement; provided, however, that such Approval does not waive in any respect or diminish the Developer's obligation to complete the Project in accordance with this Agreement, and provided, further, however, that such Approval does not create or constitute by inference or otherwise any City relationship with, responsibility for, or contractual relationship with or supervisory responsibility for the Developer, its GMP or the delivery of the Project.

**Architect or Project Architect** means [Antinozzi Associates], a Connecticut licensed architect, responsible for all engineering and architectural services to be performed in connection with the Project.

**Business Day** means one day in a calendar year that is a weekday (Monday through Friday) but not holidays observed by the United States Government or the State of Connecticut.

**Calendar Day** means one day in a calendar year having 365-days, including Saturdays, Sundays or holidays observed by the United States Government or the State of Connecticut.

**City** includes the City of Bridgeport, its Library Board, its City Council, its elected and appointed officials, administrators, directors, employees, agents and representatives.

**City Representative** means a specific individual or individuals designated by the Library Board in writing to the Developer from time to time during the term of this Agreement as its representative or representatives with respect to the Project. At the inception of this Agreement, the City's Representative shall be **Thomas R. Errichetti, the Secretary/Treasurer of the Library Board, or his designee** set forth in writing to the Developer. The City Representative shall work with the Library Board in connection with all aspects of the Project, however, in the case of conflicts or interpretations concerning this Agreement or any Approval or Consent required for the Project as specified herein, the decisions, directions, Approvals and Consents of the City Representative shall govern and control over any contrary or different decision, direction, consent or approval of any person, entity or participant identified with or related to the City other than the City Representative. Each such person acting as the City Representative shall act on behalf of the Library Board with respect to this Agreement and shall have authority to make decisions on which the Developer can rely, provided, however, that the City Representative has no authority, direct or apparent, to increase the scope of the Project without the express prior approval of the Library Board or to increase the GMP without additional funding authority from the Library Board. The City Representative shall promptly examine documents at each phase of the Project performed by or on behalf of the Developer, which are submitted to the Developer by the Project Architect from time to time, and shall render evaluations and decisions pertaining thereto promptly in order to avoid unreasonable delay in the performance and delivery of the Project. Any Consent or Approval given by the City Representative shall not relieve the Developer of any of its obligations hereunder unrelated to such Consent or Approval.

**Clarification** means an interpretation of the Contract Documents that may result in minor changes to the Project scope or schedule and that is not inconsistent with the intent of the Contract Documents, provided that the Clarification is documented and Approved by the City Representative and the Developer.

**Construction Documents** means the drawings and specifications Approved by the Library Board and the Developer setting forth in detail the requirements for the construction of the entire Project including drawings, technical specifications, cost estimates, inspections, testing and necessary bidding information prepared by or for the Project Architect that shall conform with all Applicable Laws.

**Construction Phase** means the commencement of construction activities, including the earliest activities to occur in connection with site preparation, demolition, environmental remediation and the like.

**Construction Manager** means, where used in this Agreement, the Developer.

**Contract Documents** means this Agreement and all Exhibits and Addenda.

**Critical Path** means the sequence of all critical tasks mutually agreed to by the parties that have a significant impact on the completion of the Final Construction Schedule in a timely manner.

**Developer** means Ashlar Construction LLC, its members, principals, employees and agents.

**Developer Representative** means a specific individual or individuals designated by the Developer in writing to the City from time to time during the term of this Agreement as the Developer's representative or representatives to interface with the Project Architect and the City Representative with respect to the Project. At the inception of this Agreement, the Developer Representative shall be **Anthony Ashlar, its Managing Member or such other person as the Developer Representative may designate** by notice to the City and to the Project Architect. The Developer Representative shall work with the Project Architect and the City Representative in connection with all aspects of the Project, however, in the case of conflicts or interpretations concerning this Agreement or any Approval or Consent required for the Project as specified herein, the decisions, directions, Approvals and Consents of the Developer Representative shall govern and control over any contrary or different decision, direction, consent or approval of any person, entity or participant identified with or related to the Developer other than the Developer Representative. Each such person acting as the Developer Representative shall act on behalf of the Developer with respect to this Agreement and shall have authority to make decisions on which the Project Architect and the City can rely, provided, however, that the Developer Representative has no authority, direct or apparent, to increase or decrease the scope of the Project or increase the GMP without the express prior approval of the Developer's principal or its board of directors when required by the Bylaws of Developer or by law. The Developer Representative shall examine design and construction documents and budgets at each phase of the Project performed by or on behalf of the Developer, which are submitted to the City from time to time,

and shall render evaluations and decisions pertaining thereto promptly in order to avoid unreasonable delay in the performance and delivery of the Project.

**Environmental Laws** means any federal, state, or local statute, law, ordinance, code, rule, regulation, order, permit, or decree regulating or relating to the protection of human health or the environment, or imposing liability or standards of conduct concerning any hazardous, toxic, or waste substance, element, compound, mixture or material, as now or at any time hereafter in effect, including, without limitation, the Comprehensive Environmental Response Compensation and Liability Act ("CERCLA"), as amended, 42 U.S.C. § 9601 et seq.; the Emergency Planning and Right to Know Act, 42 U.S.C. § 11101 et seq.; the Endangered Species Act, 16 U.S.C. § 1531 et seq.; the Lead Based Paint Exposure Reduction Act, 15 U.S.C. § 2681 et seq.; the Oil Pollution Act, 33 U.S.C. § 2701 et seq.; the Toxic Substances Control Act, 15 U.S.C. § 2601 et seq.; the Solid Waste Disposal Act (including the Resource Conservation and Recovery Act) 42 U.S.C. § 6901 et seq.; the Hazardous Material Transportation Act, 49 U.S.C. § 1801 et seq.; the Superfund Amendments and Reauthorization Act, 42 U.S.C. §9601 et seq.; Clean Air Act, 42 U.S.C. § 7401 et seq.; the Water Pollution Control Act, 33 U.S.C. § 1251 et seq.; the River and Harbors Act of 1899, 33 U.S.C. § 401 et seq., including any other similar State environmental act or provision; and all rules and regulations of the U.S. Environmental Protection Agency (EPA) or any state or federal department, board, or agency, or any other agency or governmental board or entity having jurisdiction over environmental or health and safety matters.

**Final Completion Date** means the date that is no later than sixty (60) calendar days after the Certificate of Substantial Completion (as defined in Section III.A.8.b below) is issued, which final completion date may be extended by mutual agreement of the parties in writing if the Developer can certify that all remaining unfinished or punch-list items will be completed to the reasonable satisfaction of the Library Board on a date certain after the end of such 60-day period or that such open items may be completed at such times that will not materially interfere with the Library Board's use or occupancy of the Project on a date certain.

**Final Construction Documents** means the final Issued-For-Construction Documents that the Developer submits to the Library Board as the full 100% complete elaboration of the final design of the Project submitted as part of the GMP, including plans and specifications with all items appropriate or necessary for the proper execution and completion of the Work by the trades describing the quality and quantity of construction materials, assemblies, coordination, inspection and testing schedules, Critical Path project schedule items and other information deemed necessary to adequately inform and permit tradesmen, equipment installers, material suppliers, testers and inspectors to perform and complete the Work of the Project in accordance with this Agreement, and further including the drawings and specifications issued for bid, all addenda thereto, all

requests for information and answers thereto, and for purposes of this Agreement only, all shop drawings, Clarifications and Refinement Documents.

**Final Construction Schedule** means the schedule for Substantial Completion of the Project established at the same time the GMP is accepted.

**Final Design** means the final Approved design of the Project accepted by the Library Board and the Developer on which the GMP is based.

**Guaranteed Maximum Price or GMP** means the outcome of a process in which the Developer submits a guaranteed maximum price proposal with supporting documentation, Issued-For-Construction Drawings, a Final Construction Budget and a Project Completion Schedule to the Library Board and the Developer and the Library Board, respectively, Approve the GMP for the completion of the Project, said GMP to be inclusive of all Developer's hard and soft Project and Project Property pre-construction and construction-related costs, including, but not limited to, its construction financing costs, if any, fees and expenses, contract sums it pays to its agents, attorneys, contractors, subcontractors, consultants and representatives, performance and payment bond costs, insurance premiums, and a reserve for construction, design and Project and Property construction contingencies as further described herein.

**Minority Business Compliance** means the Developer's commitment to identify qualified minority subcontractors located in Bridgeport and Bridgeport residents to perform portions of the Work of the Project as more particularly described herein.

**Milestone Dates** means those dates on the Critical Path in the Project Completion Schedule as described herein that mark the progress of the Developer's completion of the Project.

**Modification** means any material change in the Project scope, or the Project Completion Schedule or in the terms of this Agreement.

**Permits and Approvals** means all Connecticut, federal, local and other permits and approvals required and necessary to perform and timely complete the work required for the Project in order to ensure the Library Board's legal occupancy and use of the Project in accordance with the Project Completion Schedule and the terms and conditions of this Agreement.

**Pre-Development Agreement** means that certain agreement entered into between the Developer and the Library Board dated January 9, 2018 for the completion of preliminary project development planning activities as more fully set forth therein, which agreement is attached hereto as **Exhibit 2** and incorporated by reference as if fully set forth herein.

**Preliminary Design Documents** means the schematic, preliminary or conceptual design documents prepared by the Project Architect including plan, elevation and section drawings illustrating the scale and relationship of all components of the proposed Work to existing conditions and physical improvements, any known future development on the site, and illustrating the design concept and details for any proposed Work or structure with regard to foundation, anchoring, internal and external features, materials and finished appearance and location in accordance with this Agreement.

**Project** means the alteration of the Project Property in accordance with the Final Construction Documents and the Approved GMP.

**Project Completion Schedule** means the graphical representation of the timeline for the design and construction of the Project in Critical Path method format. The Project Completion Schedule shall specify the proposed start and finish dates for each project activity and the dates by which certain design and construction activities and milestones must be complete, including the dates of Substantial Completion and Final Completion set at the time the Library Board and the Developer, respectively, exzcept the GMP, which shall be attached hereto and made a part hereof as **Exhibit 3**.

**Project Scope** means a written description of the Work of the Project, including any environmental remediation of the Property, site demolition and preparation, permitting, renovation of the existing improvements and the construction of other facilities on the Project Property in accordance with this Agreement and in compliance with applicable law, which shall include but not be limited to the Issued-For-Construction Drawings signed by the Library Board and shall be attached hereto and made a part hereof as **Exhibit 4**.

**Project Specifications** means construction of the Project in accordance with Applicable Law and the terms of this Agreement.

**Project Property or Premises** means the real property and existing improvements located at 755 Central Avenue and adjacent lots in the City of Bridgeport as the same shall be improved in accordance with this Agreement.

**Public Bidding** means the Developer's commitment to seek competitive pricing for the Work for the Project, except for that portion of the work that the Developer intends to self-perform, through pre-qualification, price proposal or hard bid method, which actions shall include the Developer's reasonable affirmative outreach to qualified minority, women and disadvantaged business entities, in particular those qualified entities located in Bridgeport, and shall also include a reasonable plan for job outreach to Bridgeport residents, with particular emphasis on residents of the East End.

**Refinement Documents** means all project meeting notes, shop drawings, sketches and other documentation developed and Approved by the Developer and the Project Architect and Approved by the Library Board for purposes of clarifying and refining the Final Construction Documents.

**Retainage** means the sum identified in the Approved GMP to be held by the City to ensure the Developer's complete performance of the Project in accordance with this Agreement, including, but not limited to, the delivery of a permanent Certificate of Occupancy.

**Standards** means the minimum prescribed standards of design, material quality and trade workmanship for the Project, utilizing the Connecticut Building Standard Guidelines Compliance Manual for High Performance Buildings, in accordance with Connecticut State Regulations §§16a-38k-1 through 9, and the 2012 International Energy Conservation Code, which incorporates the requirements of ASHRE 90.1 (2010), Energy Standard for Buildings Except Low-Rise Residential Buildings, as the specifications for energy conservation, environmental remediation, component uniformity and other requirements for the development of the Final Construction Documents. The Standards are further identified in hyperlinks attached hereto and incorporated herein as **Exhibit 5** to this Agreement.

**Substantial Completion** means the point in the construction of the Project when the progress of the renovation and improvement of the Property is complete so that a temporary Certificate of Occupancy may be issued, meaning that the Library Board could legally occupy and utilize the Project for its intended purpose and the requirements set forth in this Agreement have been satisfied; and the Project Architect issues a certificate stating that the Project is substantially complete. At the time that the Library Board and the Developer agree to a GMP, a mutually acceptable specific date for Substantial Completion (the "**Substantial Completion Date**") shall be determined and be binding on the parties and such date shall constitute **Time of the Essence**.

**Systems Testing and Transition Phase** means that period when the Project Completion Schedule indicates the commencement and duration of final inspections, systems testing, training, final systems operation, code compliance testing and inspections, and Project turnover.

**Time is of the Essence** means a specific date on which the Developer must complete a certain activity, subject to agreed-upon delays that the City has given its Consent to, including, but specifically limited to, (a) subsurface or building conditions not readily discoverable through customary pre-construction due diligence, (b) breach of contract by the City, or (c) force majeure occurrences.

**Work** means all of the necessary and anticipated installations, equipment, permits, labor, activities, procedures, reports, documentation, confirmation,

certification and delivery of items set forth and described in or incorporated by reference into this Agreement that together constitute the completed Project.

## ARTICLE I
## Basic Agreement

### A. Basic Terms of the Agreement

**1**. The City, acting on behalf of the Library Board, sought qualifications from developers for the rehabilitation of property owned by the Library Board situated at 755 Central Avenue, Bridgeport, Connecticut.

**2.** The Library Board received qualifications from various entities and selected the Developer for the Project.

**3.** The Library Board and the Developer entered into the Pre-Development Agreement in order to be able to plan the program for the Project, select design alternatives, make decisions about space and site planning, develop a preliminary project budget, determine permit requirements, collaborate with the Project Architect to refine the design and functionality sought by the Library Board, and undertook such other activities preliminary to the determination of final design, project cost, schedule, completion date, and similar activities.

**4.** Once the final design has been completed, the Developer will submit a proposed GMP and completion schedule to the Library Board for Approval.

**5.** The Library Board will then issue a notice to proceed to the Developer to begin the work of the Project and to commence the completion schedule.

**6.** The Developer is an African-American minority business enterprise that meets all of the City's minority business enterprise goals and requirements by itself as a result of such status, but has agreed to conduct outreach to identify other qualified minority business enterprises including in particular qualified Bridgeport minority business enterprises and Bridgeport residents to perform portions of the Work of the Project.

### B. Developer's Representations, Warranties and Covenants

**1. Developer's Representations and Warranties.** The Developer makes the following representations and warranties, which are true on the date of execution of this Agreement, and shall continue to be true during the performance of this Agreement:

**(a) Use of Qualified Personnel, Subcontractors and Consultants**. The Developer represents and warrants that it will have the requisite personnel, experience and resources to undertake and complete the Work contemplated under this Agreement, has in its employ, or will engage at its sole cost and expense, licensed (where required), experienced, qualified and trained personnel, subcontractors and consultants suitable for the nature of the work being performed, and will use, or require those in its employ, to use quality equipment accurately calibrated to competently perform the work required for the Project.

**(b) Developer Shall Possess Adequate Resources and Personnel.** The Developer represents and warrants that it is financially stable, has adequate resources and personnel to assign to the Project, will consistently maintain staff levels throughout the design and construction of the Project commensurate with the resources required for the work being performed, and will complete the work of the Project in a timely fashion in accordance with the Project Completion Schedule.

**(c) No Conflicts**. The Developer represents and warrants that it is responsible for compliance with all the requirements of Applicable Law. The Developer further represents and warrants that it will disclose in writing, prior to the execution of this Agreement, all conflicts or potential conflicts of interest that may or are likely to have an adverse affect on the Developer's ability to independently protect the City's interests in accordance with this Agreement, including pending or threatened litigation against the City. The Developer further represents and warrants that its performance under this Agreement and the Standards in the design and construction of the Project will not result in a conflict of interest and will not violate any laws or contractual obligations with third parties. Should a conflict of interest or potential conflict of interest arise after the execution of this Agreement, the Developer shall promptly notify the City and Library Board in writing with the pertinent facts and circumstances and shall take all appropriate steps to eliminate such conflict and proceed with its obligations to complete the Project.

**(d) Consultants, Contractors and Subcontractors.** The Developer represents and warrants that it will not intentionally engage any consultant, contractor or subcontractor for the work in violation of this Agreement or Applicable Law.

**(e) No Violation of Law**. The Developer represents and warrants that, during the previous five (5) years, neither it, nor any of its officers, directors or owners, have committed a criminal violation of federal or state laws arising directly or indirectly from its business operations that resulted in the imposition of a monetary fine in excess of $10,000, injunction, indictment, conviction of a felony, sentencing to a term longer than one

year, or other sanction, or has been debarred or has been prevented or restricted from doing business in the State of Connecticut or any other jurisdiction.

**(f) Standard of Care; Quality and Performance of Services**. The Developer represents and warrants that it will perform its work in a good and workmanlike manner consistent with the degree of care and skill ordinarily exercised by members of the construction profession currently practicing under similar circumstances on projects of this type and scope in the State of Connecticut, and will undertake, diligently pursue and timely complete such services in a professional manner to construct the Project in accordance with the terms of this Agreement. The Developer is responsible for monitoring the professional performance of all subcontractors and consultants and represents that such subcontractors and consultants shall be under the direction and control of the Developer.

**(g) Licenses and Permits**. The Developer represents and warrants that it will acquire and possess at all times all professional licenses and other licenses and permits that may be required to perform the Work of the Project as required by this Agreement.

**(h) Observance of Proprietary Rights**. The Developer represents and warrants that it will take reasonable steps to ascertain that its activities will not infringe upon or misappropriate any United States copyright, trademark, patent, trade secret or other proprietary material of any third persons. Upon being notified of a substantive claim by a third party, the Developer may (i) defend through litigation or obtain through negotiation the right of the Developer to continue using such claimed proprietary rights while such claim of infringement is contested; (ii) modify its services to be rendered at no cost, expense or damage to the City so as to make such services non-infringing while preserving the original functionality, and/or (iii) replace the infringing or potentially infringing portion of the services or the Work with the functional equivalent, within the coverage of the Final Construction Budget for the Project.

**(i) Communications and Coordination.** The Developer represents and warrants that it shall receive, control, coordinate and distribute all Project documents and arrange all Project meetings with the City Representative, other Project participants and third parties, including any Agency having jurisdiction over the Project Property or the Project and shall ensure that the City Representative and all participants necessary or desired for any such meeting receive advance notice thereof. The Developer shall take appropriate measures to inform the City Representative of the nature and content of all direct communications with local, State and federal representatives, including communications with any Agency having jurisdiction in connection with the Project. All such communications shall

be indicated on the daily log and weekly meeting minutes or notes for the Project.

**(j) Ownership of the Work.** The Developer represents and warrants that it has or will have good title to and ownership of all materials to be incorporated into the Project, whether incorporated into the Project or held in storage on or off the Project site, and that, immediately upon any part of the construction-related work on the Project Property being completed and paid for in accordance with its agreement, such title shall vest in and be transferable to the Library Board free of any and all liens, charges, encumbrances or claims that create defects in title and ownership of all components and materials in the Project. The Developer further represents and warrants that it shall not encumber or otherwise create or permit to be created any lien or security interest in any part of the Project or the Project Property.

**(k) Quality of the Work; Corrections.** The Developer represents and warrants that all materials and equipment used in the construction-related work and made part of the Project will be new, unless otherwise previously expressly Approved by the Library Board, and that the Project, including all materials and equipment, will be designed and constructed in a good and workmanlike manner and in accordance with the terms and conditions of this Agreement, and that the Project will be free of any defects, including, without limitation, structural, mechanical or operational defects. The foregoing representations and warranties exclude any remedy for damage or defect to the extent caused by normal wear and tear and deterioration by the elements prior to the completion of the Project in accordance with the Final Completion Schedule, or for any consequential damages other than as may be set forth herein or damages otherwise recoverable pursuant to any applicable implied warranties of merchantability and fitness for a particular use. The representations and warranties provided in this Agreement shall be limited to the duration(s) provided in this Agreement or to such longer period(s) as provided by material and equipment manufacturers or as may be mandated by Applicable Laws. Without limiting any other remedies that may be available to the City in the event of any material breach of any such representations and warranties, the Developer shall, promptly and within a reasonable time after receipt of notice from the City, and immediately in the event of an emergency, repair, replace, or correct, at the Developer's sole cost and expense, all defective work for a period of twelve (12) months after Substantial Completion or for such longer periods of time as may be provided under material and equipment warranties or as may be required by Applicable Law. Notwithstanding anything to the contrary contained in this subparagraph (k), any equipment or systems or component warranty that commences on the date of installation, inspection and testing, or startup, shall be extended by the Developer by

manufacturer's extended warranty or other method Approved by the Library Board so that such warranty extends for one (1) year after the Final Completion Date. Subsequent to the expiration of such 12-month or longer period, as the case may be, the City shall have the exclusive responsibility of enforcing all such material and equipment warranties and workmanship and installation warranties to the extent that such warranties or Applicable Law allows, and the Developer's direct warranty shall expire.

**(l) Project Documents; Inspection and Copying; Retention.** The Developer represents and warrants that it will provide the City Representative with access to and the ability to obtain and copy any and all Construction Documents in any and all media or formats including, but not limited to, reports, statements, testing results, inspection reports, or other materials relating to the design and construction of the Project at any time during the design and construction phases of the Project during normal business hours at a location in Fairfield County, Connecticut. The Developer further represents and warrants that all Project documents of any kind and nature in every media or format in which such documents were created by, on behalf of, or submitted to the Developer or provided by the Project Architect will be preserved and will take such action as necessary to preserve electronic information located on computer hard drives, laptop hard drives, handheld computer drives, zip drives, CPUs and network servers in their original state at the Final Completion Date and that the storage drives on such devices are not overwritten or deleted, and shall preserve software programs supporting all such devices and necessary to retrieve all such data contained thereon. Such access and retention shall continue for a period of ten (10) years after Substantial Completion. If the City requests, the Developer shall promptly deliver to the City for copying, imaging and retrieving all hardware devices and software related to the Project and, upon completion of the City's activities, the City shall return all such hardware devices and software to the Developer in the condition in which they were delivered. This provision shall survive the full performance or earlier termination of this Agreement.

(**m**) **Corporate Action.** The Developer has taken all necessary action to approve this agreement and such agreement does not violate any other agreements to which the Developer is a party.

**C. City Representations and Warranties.**

The City makes the following representations and warranties, which are true on the date of execution of this Agreement, and shall continue to be true during the performance of this Agreement:

**1. Intent to Participate in Project.** The City represents and warrants that it has taken and will take in the future all steps required to fulfill the City's obligations to the Developer in a timely fashion so that the Developer can complete the Project in accordance with the terms of this Agreement.

**2. Agreement to Pay GMP.** The City represents and warrants that it shall pay the GMP and all Approved Additional Project Costs to the Developer upon the receipt of invoices for work completed and in the manner described herein, provided that the Developer has complied with all applicable requirements of this Agreement that establish its entitlement to such payments.

**3. Timely Review and Action.** The City represents and warrants that it shall designate the City Representative for the Project in a timely manner and shall promptly resolve the Developer's questions or concerns about the authority of the City Representative in connection with any Approval or Consent. At the inception of this Agreement, the City Representative is Thomas R. Errichetti, the Secrertary / Treasurer of the Library Board or his designee. The Library Board may change the City Representative at any time by written notice to the Developer. The City represents and warrants that the City Representative shall furnish information and review, comment and disapprove or Approve proposed Clarifications and Refinement Documents within fifteen (15) Calendar Days of the receipt of complete documentation of such Clarifications or Refinement Documents from the Developer. The City further represents and warrants that the City will take action to review, comment and disapprove or Approve the Developer's requests for Modifications or special changes in the Project or this Agreement promptly in accordance with the local and State law requirements, including, but not limited to, requirements of the State Freedom of Information Act. Any intentional or negligent delay by the City in meeting its obligations related to any Critical Path deadlines set forth in the Project Completion Schedule may extend the affected schedule if the Developer demonstrates that an extension is justified and required to meet the date of Substantial Completion, in which case the minimum necessary extension shall be granted if the delay cannot be eliminated before the next Critical Path event set forth on the Project Completion Schedule. Upon request from the Developer, the City shall execute an appropriate amendment or modification of this Agreement to evidence any such extensions that the City does not in good faith contest. The Developer shall have the right to seek payment from the City for any reasonable additional costs that are the direct result of an intentional or negligent delay or violation of the covenant of good faith and fair dealing, but only if the delay affects the date of Substantial Completion.

**4. Timely Attention to City's Conduct of Construction Inspection and Testing.** The City represents and warrants that, with regard to any construction inspection and testing scheduled or planned by the Developer, the City may engage in its own construction inspection and testing consultant

throughout the design and construction phases of the Project at the City's sole cost and expense.

**5. Commitments by the City.** The City represents and warrants that it shall take all necessary action on a timely basis within its power to advance the Project, to take timely action with respect to the review of the GMP, and to secure the funds necessary to pay Approved Additional Project Costs prior to the time such additional costs are incurred in order that the Developer can be paid in a timely manner.

**6. Authorization.** The Library Board, the signer of this document, represents that it is acting for itself, and further represents and warrants that, when it places its representative's signature hereon, that it will have already taken all action necessary to be bound as a matter of municipal and state law by the terms and conditions of this Agreement for all purposes, including but not limited to an unconditional obligation hereunder, upon Developer's completion of the Project pursuant to the Final Design Documents and the Issued-For-Construction Documents, to pay the GMP and Approved Additional Project Costs.

**7. Further Assurances**. The parties further agree to cooperate with each other to accomplish the intent and purpose of this Agreement and to act in a timely manner so that the goals and objectives of this Agreement are met.

## ARTICLE II
## Preparation of Design and GMP Proposal

### A. Developer's Responsibilities to Work with the Project Architect and Submit a GMP Proposal for Review by the Library Board

**1. Development of Preliminary Design.** The Developer is responsible for working with the Project Architect to furnish to the Project all the design, architectural and engineering services, surveying services, and securing of all Project permits, including, but not limited to, testing, subsurface borings, and geo-technical data, necessary to prepare and furnish design documents for review and Approval by the Developer and Approval by the Library Board and to develop the GMP and the Project Completion Budget. The Developer is responsible for examining the Project Property and the existing improvements thereon and to determine that the Project Property and such improvements meet all requirements for development of the Project including, but not limited to, those related to availability and adequacy of public utilities such as electric, telephone, storm, sewer, water, etc., the suitability of the Property for the conduct of all construction-related work and necessary staging areas, and to ensure that all known subsurface or other site conditions above and below grade level are addressed in the Issued-For-Construction Documents.

**2. Final Design Phase.** The Developer, after the Approval of the Final Design Documents, shall move promptly in accordance with the Project Completion Schedule to prepare the Issued-For-Construction Documents and bid the Work of the Project so that it can develop the GMP for submission to the City.

**3. Responsibility For Adherence of Design to All Contract Requirements.** The Developer shall ensure that the Project budget, schedule and other requirements set forth in this Agreement are consistent with the design of the Project. The City's Approval of the design documents shall indicate the Library Board's acceptance of the design at that point in design development, as the same may be refined by the Refinement Documents and Clarifications, but such Approval shall not relieve the Developer of its responsibility to deliver the Project on the date of Substantial Completion in accordance with the Approved GMP and the Project Completion Schedule established. All design documents shall be submitted to the City for review, comment, revision, and Approval. Approval by the City of any phase of design documents shall not relieve the Developer of its responsibility to require the Developer to correct any defect, error, inconsistency, or omission in the design, plans and specifications for the Project. If such defect, error, inconsistency, or omission is discovered, the Developer shall request the Project Architect to revise all appropriate drawings, plans, specifications, and other design documents at no cost to the City to rectify such defect, error, inconsistency or omission immediately in order to avoid any schedule delay.

**4. Delivery of Proposed GMP.** The Developer shall prepare and submit to the City for review, comment, correction and Approval by the City and the Developer, a professional and complete proposed GMP. Such proposed GMP shall include a written statement setting forth the basis for the proposal, identifying and including, but not necessarily limited to, the following elements:

(a) A certification from the Project Architect that the Issued-For-Construction Documents forming the basis for the proposed GMP are ninety percent (90%) complete, that they incorporate all requirements of the Standards applicable to the Project, and were provided to the Developer as the basis for preparing the proposed GMP.

(b) A certification that the Issued-For-Construction Documents are the basis for the proposed GMP, without reductions in Project scope or quality unless agreed to and Approved by the City.

(c) A list of allowances and a statement of their respective bases, which allowances shall be included within the proposed GMP.

(d) A list of the clarifications and assumptions made by the Developer in the preparation of each component of the proposed GMP to

supplement the information contained in the Issued-For-Constructioin Documents.

(e) The proposed GMP, including a statement of the cost categories, allowances, design, construction and project contingency amounts, soft costs, fees, site preparation and remediation costs, and other items that are part thereof.

(f) A certification that the proposed GMP is based on the Project Completion Schedule, including the date of Substantial Completion.

**B. Submission and Review of Documents and GMP Prior to Approval**

**1. Submission of Proposed GMP and Schedule.** The City shall have thirty (30) days to review and take action on the Issued-For-Construction Drawings and the proposed GMP, which actions may include approvals, rejections, objections, comments, requests for information, or other actions to revise and resubmit the proposed GMP and the Project Completion Schedule. Once the proposed GMP is complete and acceptable, the Developer and the City, respectively, shall Approve the GMP and the Project Completion Schedule, and the GMP shall be attached hereto and incorporated herein as **Exhibit 6** and the Final Project Completion Schedule shall be attached hereto and incorporated herein as **Exhibit 7**.

**2. Rejection of GMP or Schedule.** If the parties to this Agreement are unable to come to agreement about the Guaranteed Maximum Price and/or the Project Completion Schedule within thirty (30) days' after the City gives written notice to the Developer that it is prepared to reject the proposed GMP, the City and the Developer agree to negotiate in good faith either or both a reduction in the proposed GMP or an allocation of the excess costs between themselves in writing or an amendment to the Project Completion Schedule.

**3. Design and Construction Contracts.** The Developer shall be responsible for construction bidding, contract formation, project oversight and administration and any other consulting agreements that the Developer shall require. The Developer will enter into all contracts for the construction of the Work required for the Project with contractors, subcontractors and consultants. The Developer shall conduct Public Bidding for each material contract for the work of the Project, and award each contract to the most qualified and responsible bidder in terms of its bid, skills, experience and reputation for timely performance.

## ARTICLE III
## Construction of the Project

**A. The Developer Shall Be Responsible for the Construction of the Project**

**1. Execution of the Work of the Project.** The Developer shall direct, schedule and coordinate the execution of all Work of the Project using its best skill and attention, and assumes all responsibilities in regard to the construction of the Project including, without limitation, (i) obtaining and paying for all utility services, utility charges and sewer charges required for construction of the Project; (ii) obtaining and paying for all necessary authorizations, permits, and approvals required for construction and occupancy of the Project including, without limitation, all Certificates of Occupancy and Certificates of Substantial Completion; (iii) satisfying all quality-control, testing and inspections, record-keeping, reporting and auditing requirements; (iv) preparing, maintaining, and furnishing for City Approval all Construction Documents, Schedules, Addenda, Refinement Documents, and Modifications; (v) making available appropriate representatives to attend regular Project meetings with the Developer and the City and other Agencies having jurisdiction; and (vi) provide or cause to be provided all construction, construction supervision, inspection, labor, materials (including spare parts); and provide all tools (including any special tools that may be necessary and appropriate to complete the Project), construction equipment and subcontracted items necessary for the execution and completion of the Project and the Work in accordance with the provisions of this Agreement, the Standards, the Contract Documents, and all Applicable Laws. The Developer shall also assume incidental and related responsibilities applicable to the foregoing, which may not be specifically enumerated in the Contract Documents. Subject to the terms of this Agreement, the Developer and the City acknowledge that the Developer shall be solely responsible for and shall have sole supervisory control over the means and methods of planning and executing design and construction, including techniques, sequences, and procedures for coordinating all portions of the design and construction work.

**2. Utilities During Construction.** The Developer shall pay all charges for utilities incurred by reason of its occupying any portion of the Project prior to Substantial Completion and until the City assumes occupancy as provided herein. If these utilities are not separately metered, the Developer and the City shall equitably adjust all such utility bills so that the Developer and the City each pay their respective fair share of each bill from and after the date that the City assumes occupancy of the Project.

**3. Correction of Defects.** If the Developer has actual knowledge of any fault or defect in the work of the Project or nonconformance with the the Standards, it shall give prompt written notice to the City, shall use best efforts and due diligence to cure the fault, defect or condition, and shall otherwise ensure that the same is corrected without an adverse impact on the Project or the Project Completion Schedule by employing such means, methods, personnel and equipment as may be necessary or required under the

circumstances at the sole cost and expense of the Developer. For faults or defects that the Developer does not have actual knowledge, it shall correct, or ensure correction, all such faults or defects promptly in accordance with this Agreement.

**4. Access to Project Site.** At all times prior to the City's assumption of occupancy of the Project as provided herein, the City, as authorized by the Developer's Representative, shall have full access to the Project Property for activities of a business nature related to the Project, and shall comply at all times with the Applicable Laws and Developer's site access rules, project safety and insurance requirements with respect to any activities of the City at the Project, provided, however, that the City shall use reasonable efforts not to interfere with the design and construction work except in cases of emergency or force majeure.

**5. Permit Fees, Costs and Expenses Related to the Work.** On or prior to the Project Completion Date, the Developer shall certify and provide documentary evidence to the City that all applicable permit fees, costs and expenses relating to the Work of the Project and all costs relating to the performance of its responsibilities pursuant to all of the terms and conditions of this Agreement, including, without limitation, all fees, assessments and other charges payable as a condition to obtaining utilities, permits and approvals, wages, and fees to every contractor, subcontractor and consultant have been duly paid and do not result in the perfection by filing of any liens or lien rights against the Project Property or other encumbrance upon title to or use of the Project Property at any time or from time to time during or following the completion of the Developer's performance under this Agreement.

**6. Removal of Waste and Debris.** Prior to Final Completion of the Project, the Developer shall certify that it has removed or caused to have removed all waste material and rubbish generated by the Work on and around the Project site, as well as its tools, construction equipment, machinery, and surplus materials not needed for Final Completion, so that occupancy of the Project and the Project Property may be delivered to the Library Board in broom clean condition (i.e., final cleaning, including floors waxed, etc.) on the date that the Library Board takes possession of the Project Property.

**7. Adherence to Schedules.** The Developer agrees that the Project Completion Schedule, as it may be revised from time to time as permitted by this Agreement, shall be deemed to be a part of this Agreement, as if fully set forth herein. The Developer shall ensure that the Project Completion Schedule is updated and provided to the City monthly. The Project Completion Schedule shall set forth a detailed construction schedule in Critical-Path method format that (1) incorporates all critical dates for commencement of the Work and attaining Substantial Completion of the Project; (2) provides a graphic representation of all significant activities and events that will occur during performance of the Work; (3) identifies each phase of construction, anticipated completion, inspections,

punch list activity and date of anticipated release of the Project for occupancy; and (4) sets forth activities on the Critical Path for ensuring the timely and orderly completion of the Work in accordance with the requirements of this Agreement and the Contract Documents. The Developer shall monitor the progress of the work for conformance with the requirements of the applicable schedule, including, without limitation, specifically noting in weekly project meeting minutes whether or not activities on the Critical Path are being met, and shall promptly notify the City of any delays or potential delays and what steps the Developer is taking to ensure that such activities on the Critical Path will be met, or shall give assurances that any delay will be eliminated by the next subsequent activity on the Critical Path on the Project Completion Schedule so that the date of Substantial Completion will be achieved. The Project Completion Schedule shall be updated monthly to reflect actual conditions or on a more frequent basis if requested by the City. The scheduling for the Project shall be kept in an electronic format and any variation (shortening or lengthening) from the sequence or schedule shall be identified, and any potential problems meeting activities on the Critical Path or threatening to delay the achievement of Project completion on the date of Substantial Completion shall be promptly brought to the City's attention.

**8. Requirements For Substantial Completion.** The Work to be performed under this Agreement shall be carried out by the Developer in accordance with the Project Completion Schedule, depending on the phase of the Project, and shall be concluded in accordance with all terms and conditions required for Substantial Completion by the date provided in the Project Completion Schedule. Substantial Completion requires the following to occur:

(a) **Certificate of Occupancy; Retainage.** A Certificate of Occupancy shall be issued for the Project by the appropriate governmental Agency, provided that if such Certificate of Occupancy is issued on a temporary basis, the Developer applies good faith and due diligence to pursue the issuance of a permanent Certificate of Occupancy and continually informs the City of its progress and activities in that regard; provided, however, that in no event shall the Developer deliver any permanent Certificate of Occupancy more than one (1) year after issuance of a temporary Certificate of Occupancy. Retainage of funds from the GMP identified in the Approved GMP shall be held and not released until the Developer obtains a permanent Certificate of Occupancy for the Project.

(b) **Notice of Intent to Submit Substantial Completion Certificate.** The Developer shall give to the City at least thirty (30) days' advance written notice of its intention to certify the Substantial Completion of the Project ("**Certificate of Substantial Completion**"). The Library Board shall be entitled to conclusively rely upon the accuracy of the statements and information set forth in such certificate so that it can undertake preparations for occupancy of the Project. The Developer shall use the

form attached as **Exhibit 8**, shall obtain the Project Architect's signature thereon, and shall submit the same to the Library Board, whereupon the Library Board shall review the same and, if appropriate, indicate its Approval of Substantial Completion by dating and signing the Certificate of Substantial Completion. The Library Board's execution of the Certificate of Substantial Completion does not waive its right to require completion of the Work of the Project that is not in conformance with the requirements of this Agreement if such Work is found to have faults or defects, or is found to be incomplete, incorrect, inoperable, inadequate or otherwise deficient.

(c) **Effect of Substantial Completion.** The Developer's submission of the Certificate of Substantial Completion shall constitute a certification that all Work of the Project has been performed in accordance with this Agreement and that all statements contained in the Certificate of Substantial Completion are true and correct as of the date it is delivered to the Library Board and shall continue to be true and correct thereafter.

(d) **Adherence to Project Completion Schedule.** Substantial Completion shall be accomplished no later than the Substantial Completion Date, **TIME BEING OF THE ESSENCE**.

(e) **Systems Testing and Transition Phase.**

(i) **Schedule For Initial Systems Startup.** The Developer will provide a schedule to the City for the conduct of the initial start-up and commissioning of all equipment and systems-testing activities required to provide complete and operational utilities, equipment, and building systems, and to coordinate start-up and testing schedules in order to accommodate the training and observation of the Library Board's facility personnel of such activities. The Developer will create and implement a training program for Library Board representatives responsible for the ongoing operations of the Project. Such program will include, but not be limited to, instruction, by the Developer or by the respective subcontractors or manufacturers, in the operation and maintenance of the electrical, mechanical, plumbing, HVAC, security, life safety and other systems reasonably acceptable to the Library Board. The Developer shall implement such training program for the Library Board and shall complete such schedule and provide it to the Library Board prior to its issuing a Certificate of Substantial Completion.

(ii) **Acceptability of Systems.** All equipment and building systems shall meet the Standards, shall be in compliance with all Applicable Laws, and shall be Approved by the City as the testing and operation of such equipment and systems are completed. All equipment and systems warranties shall commence on the respective date or dates that the City has Approved such equipment or systems.

**9. Creation of Punchlist.** A punchlist of incomplete items (not to include base building work) shall be established by the Developer and submitted to the City for review prior to a joint walkthrough of the Project (the "**Punchlist**"), provided, however, that such Punchlist shall also include a schedule for the completion of each item of punchlist work as well as a date when all punchlist work will be completed in its entirety, which schedule shall be Approved by the City. All Punchlist work shall be completed no later than sixty (60) days after a Certificate of Substantial Completion has been issued for the Project, that is, such Punchlist must be completed by the Final Completion Date. The Developer shall pursue the Punchlist work in good faith and with due diligence in a manner and at such times as to cause no interference with the Library Board's use and occupancy of the Project. Notwithstanding anything in this Paragraph 9 to the contrary, the Punchlist shall not contain missing, incomplete or unfurnished items that constitute "base building work" in the construction industry.

**10. Final Completion.** On the Final Completion Date or within sixty (60) Calendar Days after delivery of a Certificate of Substantial Completion, whichever is earlier, the Developer will obtain, collect and deliver to the City all written warranties, guarantees, equipment, operating and maintenance manuals, Contract Documents, specifications, photographic documentation of all systems installations, surveys, as-built drawings prepared in cooperation with the Project Architect, and other such data relating to the Project created in every form and media. All warranties and guarantees relating to the Project from suppliers of mechanical and other equipment located in the Project shall be assigned to the Library Board. Certified as-built drawings will be delivered to the City no later than sixty (60) days after Substantial Completion. The Developer shall deliver to the Library Board an A-2 survey completed by a licensed land surveyor in the State of Connecticut for the Project site no later than the Final Completion Date. All building systems shall be commissioned and operating within the design and operating parameters set forth in the Standards and Applicable Law. All required training of the Library Board's facilities personnel shall be complete, and all maintenance manuals, agreements and final certificates relating to building systems shall be in effect, to the reasonable satisfaction of the City. All final lien waivers and releases and final consents of surety on the bonds shall be submitted for all work completed with respect to the Project.

## ARTICLE IV
## Transfer of Possession

The transfer of possession of the Project to the Library Board shall include an assignment of all insurance policies, warranties, guarantees, bonds, operating manuals, Project Documents and the like. If the Library Board wishes to take possession and occupy the Project on the Property after Substantial Completion but before the Punchlist has been completed, the Library Board, in consideration

of such early occupancy, shall be responsible immediately upon the commencement of its occupancy of the Property for all direct costs of such occupancy, including, but not limited to, utilities, taxes, cleaning, indoor and outdoor maintenance, repairs (not otherwise covered by warranty or guaranty or the Developer's responsibility), and liability insurance from and after the date of occupancy in accordance with the amount of space, if less than the entire Project, that the Library Board takes occupancy of. The date of occupancy and any allocation of occupancy costs shall be acknowledged in writing by the parties, which acknowledgement shall be attached hereto as **Exhibit 9** and be incorporated by reference. Notwithstanding anything in the foregoing sentence to the contrary, the Library Board's occupancy of the Property after Substantial Completion shall not relieve the Developer of any of its responsibilities under this Agreement other than responsibilities relating to occupancy of the Property described.

## ARTICLE V
## General Project Requirements

**A. The Developer Shall Satisfy the Following General Project Requirements**

**1. Developer's Adherence to Local Ordinances, Programs and Initiatives and to the Laws of the State of Connecticut.** The City acknowledges that the Project is not a "public project" or "public work" under Connecticut statutory or common law or under the Charter, Municipal Code or ordinances of the City. The Developer acknowledges and agrees that it shall voluntarily comply with the following during the pre-development phase and in connection with its performance of this Agreement in particular the terms and conditions of the State Library Grant Contract:

(a) **DAS Prequalification**. The Developer shall be prequalified as a minority business contractor with the State of Connecticut Department of Administrative Services and shall submit its prequalification certificate and update affidavit to the Library Board. A copy of the Prequalification Certificate is attached and incorporated by reference as Exhibit 11.

(b) **Outreach to Bridgeport Subcontractors and Residents.** The Developer will use all reasonable efforts to implement the Affirmative Outreach Program to Bridgeport subcontractors and residents interested in working on the Project and has previously held one or more job fairs for this Project.

(b) **Minority Business Compliance.** The Developer itself is an African-American minority-owned business that, by definition, satisfies 100% of

the City's equal opportunity and minority business enterprise goals and requirements. However, the Developer has agreed to use all reasonable efforts to identify and enter into contracts with qualified minority subcontractors located in the City of Bridgeport in furtherance of the goals and requirements of the City's affirmative action and equal opportunity ordinance, Section 3.12 of the Code of Ordinances and the City's minority business enterprise ordinance, Section 3.12.070.

(c) **Prevailing Wages.** The Developer will pay prevailing wages for Work done on the Project applicable at the time the Project commences, as the same may be changed under State law from time to time thereafter.

(d) **Project Accounting.** The Developer shall ensure that accounting of all Project costs shall be maintained on an "open book" basis with all backup documentation and shall be accessible to the City as required by this Agreement.

(e) **Right to Audit.** The City, for itself and the Library Board, reserves for itself and the State Library pursuant to the State Library Grant Contract the right to audit the Developer's books and records for the Project, which books and records shall be kept at the Developer office in Bridgeport during regular business hours both before and after the completion of the Project.

(f) **Indemnification.** The Developer agrees to indemnify, defend and hold harmless the City from and against all actions, suits, claims, investigations, or legal or administrative or arbitration proceedings pending or threatened, whether at law or in equity in any forum arising directly or indirectly in connection with this Agreement including, but not limited to, acts of commission, omission, or misconduct of the Developer, its owners, members, directors, officers, shareholders, representatives, agents, servants, consultants, employees, or any other person or entity ("**Developer Parties**"), including liabilities, damages, losses, costs and expenses, including, but not limited to, reasonable attorneys' and other professionals' fees, that may arise, including liability for bodily injury, death and/or property damage, provided, however, that, the Developer shall not be responsible for indemnifying or holding the City harmless from or defending it against any liability arising due to the intentional or negligent acts or omissions, or willful malfeasance or nonfeasance, of the City or any other person or entity acting under the direct control or supervision of the City that is determined to be the sole proximate cause of the harm. This paragraph shall survive the performance of this Agreement or the earlier termination thereof.

## ARTICLE VI
## Defaults and Remedies

**1. Events of Default.** The following terms and conditions shall govern the defaults of the parties, respectively, and shall each be considered an "Event of Default".

**2. Developer Default.** It shall be a material default under this Agreement in the event that any of the following occur (each a "**Developer Event of Default**", if not cured to the reasonable satisfaction of the City) and such default shall not have been cured within thirty (30) days after written notice to the Developer, unless such default is not capable of being cured within such 30-day period and the Developer takes reasonable efforts in good faith and with diligence to cure such default, and continues such efforts and diligence until such default has been cured (the "**Developer Cure Period**"):

(i) The Developer fails to employ all reasonable and appropriate resources to complete the Work of the Project in accordance with the the Issued-For-Construction Documents and the Project Completion Schedule or fails to maintain, or impedes the City from examining periodically for audit purposes, cost-related books and records for the Project; or

(ii) the Developer is declared to be bankrupt or insolvent, executes an assignment for the benefit of creditors, files a voluntary petition in bankruptcy or insolvency, or a receiver shall be appointed and such appointment or bankruptcy or insolvency proceeding, petition, declaration or assignment is not set aside within sixty (60) days of filing; or

(iii) any representation or certification made by the Developer to the City shall prove to be materially false or misleading on the date said representation or certification is made or proves to be materially false or misleading thereafter; or

(iv) default shall be made in the observance or performance of any material covenant, agreement or condition contained in this Agreement required to be kept, performed or observed by the Developer or at the Developer's direction; or

(v) there has been a material adverse change in the financial condition of the Developer; or

(vi) the Developer, its owners, officers, directors, or members shall be convicted of the commission of a crime punishable as a felony; or

(vii) the Developer knowingly violates a material provision of any laws, ordinances, rules, regulations or orders of any public authority applicable to the performance of its duties hereunder.

If such a Developer Event of Default is not cured within the Developer Cure Period, the City by written notice may declare the Developer to be in default hereunder and may exercise any remedies available to it, including the termination of this Agreement or the invocation of the rights and remedies available to it hereunder, provided, however, that such remedies shall not include punitive or other exemplary damages.

**3. City Default.** It shall be a material default under this Agreement in the event that any of the following occur (each a "**City Event of Default**" if not cured to the reasonable satisfaction of the Developer) and such default shall not have been cured within thirty (30) days after written notice, unless such default is not capable of being cured within such 30-day period and the City takes reasonable efforts in good faith and with diligence to cure such default, and continues such efforts and diligence until such default has been cured (the "**City Cure Period**"):

(i) The City fails to employ all reasonable and appropriate resources to fulfill its obligations under this Agreement or impedes the Developer from completing the Project in accordance with the Project Completion Schedule; or

(ii) the City is declared to be bankrupt or insolvent, executes an assignment for the benefit of creditors, files a voluntary petition in bankruptcy or insolvency, or a receiver shall be appointed and such appointment or bankruptcy or insolvency proceeding, petition, declaration or assignment is not set aside within sixty (60) days of filing; or

(iii) the City makes any representation or certification that shall prove to be materially false or misleading on the date said representation or certification is made or proves to be materially false or misleading thereafter; or

(iv) the City defaults in the observance or performance of any material covenant, agreement or condition contained in this Agreement required to be kept, performed or observed by the City; or

(v) there has been a material adverse change in the financial condition of the City; or

(vi) the City violates a material provision of any laws, ordinances, rules, regulations or orders of any public authority in the performance of its duties hereunder.

If such a City Event of Default is not cured within the City Cure Period, the Developer by written notice may declare the City to be in default hereunder and may exercise any remedies available to it, including the termination of this Agreement or the invocation of the rights and remedies available to it hereunder, provided, however, that such remedies shall not include punitive or other exemplary damages.

**4. Remedies Upon Default.**

(a) The City, provided it is not in default hereunder at the time it declares a default against the Developer, shall have the following rights and remedies, all of which shall be cumulative:

(i) **City's Right to Terminate.** Prior to Substantial Completion of the Project and if the City is not in default hereunder, the City shall have the right to terminate the Agreement upon the occurrence of a Developer Event of Default that is not cured with the Developer Cure Period as provided herein and seek remedies for its actual damages.

(ii) **City's Right to Demand Specific Performance.** Notwithstanding anything contained in the immediately preceding subsection (i) to the contrary and if the City is not in default hereunder, the City shall have the right, upon the occurrence of a Developer Event of Default and the Developer's inability or failure to cure the same within the Developer Cure Period, to make written demand upon the Developer to complete or cause to complete the Project by others on the following terms and conditions:

(A) Developer shall assign its rights under the agreement with all subcontractors;

(B) Developer shall assign its rights under all performance and payment bonds and insurance policies for the Project;

(C) The City may withhold from the Developer and place in escrow all sums constituting the GMP then remaining unpaid and the cost and expense incurred by the City as the result of a Developer Event of Default, determined in the exercise of the City's prudent business judgment, reasonably exercised (the "**Completion Escrow**"), which escrow amount, following completion of the Project and reimbursement or payment of the City's costs, expenses, attorneys' fees and damages related thereto, if any, shall be promptly paid to the Developer or its assignee or, if such Completion Escrow is insufficient to complete the Project, the City shall be entitled to pursue its other legal remedies for damages against the Developer.

(b) The Developer, provided the Developer is not in default hereunder at the time it declares a default against the City, shall have the following rights and remedies, all of which shall be cumulative:

(i) The Developer shall have the right to terminate the Agreement upon the occurrence of a City Event of Default that is not cured withing the City Cure Period.

(ii) Developer shall have the right to seek and recover damages from the City for breach pursuant to this Agreement.

(iii) The Developer shall have the right to achieve Substantial Completion the Project and demand specific performance of this Agreement and payment of the balance of the GMP owed to the Developer as well as such other amounts to which the Developer may be entitled pursuant to this Agreement.

## ARTICLE VII
## Miscellaneous

**1. No Agency Relationship or Partnership.** This Agreement between the parties does not constitute an agency relationship, partnership, joint venture or other arrangement. The Developer is solely an independent contractor engaged in an arms'-length transaction with the City for the construction and delivery of the Project as described herein.

**2. No Assignment.** Except as otherwise provided herein, the Developer shall not have the right to assign its interest or obligations under this Agreement or a controlling interest in the Developer entity without the prior written Consent of the City except for an assignment to an entity wholly-owned or controlled by the Developer or to the Developer's construction lender, which Consent shall not be unreasonably withheld in the City's exercise of its prudent commercial business judgment, reasonably exercised.

**3. Entire Agreement; Amendment.** This Agreement, the Exhibits, Schedules and Addenda attached or to be attached hereto, and all other documents or references referred to or incorporated by reference constitute the entire Agreement between City and the Developer and supersedes all prior negotiations, representations, oral communications or agreements between such parties regarding the Project. This Agreement may be amended only by means of a written instrument signed by both parties and approved by their respective governing bodies.

**4. Notice.** All notices required or desired to be given under this Agreement and all changes of address shall be mailed by overnight delivery service or by registered or certified mail, return receipt requested, in a postage prepaid envelope (each a "**Notice**"), addressed to the other party as follows:

(a) If to the Developer:
Anthony Stewart, Managing Member
Ashlar Construction LLC
277 Fairfield Avenue
Bridgeport, CT 06604

with a copy to:
Sharon A. Skyers-Jenkins, Esq.
1087 Broad Street, 3rd Floor
Bridgeport, CT 06604

(b) If to the City:
James E. O'Donnell, President
Bridgeport Public Library Board
c/o 2452 Black Rock Turnpike, Suite 2
Fairfield, CT 06825-2407
Telephone: (203) 374-9700
Facsimile: (203) 374-9772
Mobile: (203)767-6488
Email: jodonnell@omc-attys.com

with a copy to the City's counsel:

City Attorney
Office of the City Attorney
999 Broad Street
Bridgeport, CT 06604

Notice will be deemed delivered upon the day of receipt when delivered by overnight delivery service or two (2) business days after the date of mailing. Any change of address shall be delivered to the other party in the same manner.

**5. Successors and Assigns.** This Agreement shall be binding upon and inure to the benefit of the successors and permitted assigns of each party.

**6. Headings.** The headings set forth in this Agreement are used for organizational purposes only and are not intended to and shall not constitute substantive parts of the Agreement.

**7. Further Assurances.** The City and the Developer shall provide such information, execute and deliver any instruments and documents, and take such other reasonable actions as may be necessary or requested by the other party

that are not inconsistent with the provisions of this Agreement and which do not involve the assumption of obligations other than those provided for in this Agreement or result in undue burden or cost or inconvenience to the party whose cooperation is requested, the purpose of any such request being essential to give full effect to this Agreement and to carry out its intent.

**8. Counterparts.** This Agreement may be executed in counterparts, each of which shall be deemed to be an original, and together such counterparts shall constitute one and the same agreement.

**9. Remedies Cumulative.** The rights and remedies provided herein are cumulative.

**10. Governing Law.** This Agreement shall be governed by and construed in accordance with the laws of the State of Connecticut.

**11. Partial Invalidity.** If any term or provision of this Agreement shall be found to be illegal, unenforceable or in violation of the laws, statutes, ordinances or regulations or any public agency or authority having jurisdiction over the parties or the Project by a court of competent jurisdiction, then, notwithstanding the illegality or enforceability of such term or provision, this Agreement shall be and remain in full force and effect and such term shall be deemed stricken therefrom; provided, however, that this Agreement shall be interpreted, when possible, so as to reflect the intentions of the parties as indicated by any such stricken term or provision.

**12. Survival.** The terms, provisions, representations, warranties and certifications contained in this Agreement, or reasonably inferable therefrom, shall survive the completion of the Project, or the earlier termination of this Agreement as to the services or work completed to the date of such termination, subject to all applicable statutes of limitation and repose.

**13. Excusable Delay.** Other provisions in this Agreement notwithstanding, the parties hereto, respectively, shall not be in default of this Agreement if either is unable to fulfill, or is delayed in fulfilling, any of its obligations hereunder, or is prevented or delayed from fulfilling its obligations, in spite of its employment of best efforts and due diligence, as a result of extreme weather conditions, natural disasters, catastrophic events, mass casualties to persons or significant destruction of property, war, governmental preemption in a national emergency, enactment of law, rule or regulation or change in existing laws, rules or regulations which prevent any party's ability to perform its respective obligations under this Agreement, or actions by other persons beyond the exclusive control of the party claiming hindrance or delay. If a party believes that a hindrance or delay has occurred, it shall give prompt written notice ("**Notice of Excusable Delay**") to the other party of the nature of such hindrance or delay, its effect upon such party's performance under this Agreement, the

action needed to avoid the continuation of such hindrance or delay, and the adverse effects that such hindrance or delay then has or may have in the future on such party's performance. Notwithstanding notification of a claim of hindrance or delay by one party, such request shall not affect, impair or excuse the other party hereto from the performance of its obligations hereunder unless its performance is impossible, impractical or unduly burdensome or expensive, or cannot effectively be accomplished without the cooperation of the party claiming delay or hindrance. The occurrence of such a hindrance or delay may constitute a change in the scope or duration of the Project completion, and may result in the need to adjust the GMP or the Project Completion Date, provided, further, however, that a party's failure to give Notice of Excusable Delay in the manner provided herein shall not relieve the party of its required performance of this Agreement or responsibililty for damages to the other party.

**14. Precedence of Documents.** In the event that there exists any ambiguity or conflict between this Agreement and any attachment hereto, the terms of this Agreement shall govern as to all matters of interpretation.

**15. Formal Approval of the Agreement Required.** This Agreement shall become effective when the governing body of each party approves the same, in the case of the City such approval being made by the Library Board, the Agreement is executed by the duly-authorized representative of each party, and a fully-executed original thereof is delivered to the Developer.

**16. Interpretation of Documents**. The Developer may not construe any discrepancies or conflicts in the Contract Documents against the City nor may they form the basis of any claim or defense against the City, the intent of this provision being that the City receive the full scope and value of the Project on time and in accordance with the cost of the Project established by this Agreement notwithstanding such discrepancy or conflict.

SIGNATURE PAGE FOLLOWS

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

**CITY OF BRIDGEPORT,**
**Acting by its Library Board**

By: _____
Name James E. O'Donnell
Title Its President
Duly-authorized

**ASHLAR CONSTRUCTION LLC**

By: _____
Anthony Stewart
Managing Member
Duly-authorized

**Exhibit 1**

## Conceptual Plans

The Conceptual Plans are represented by a series of fifty-seven drawings prepared by Antinozzi Associates and their consultants as Job No. 16010 dated 09/29/2017 (or 09/17 as noted below) entitled "Bridgeport Library, Newfield Library, Renovations/ Additions, 755 Central Avenue, Bridgeport, Connecticut", bearing Drawing Numbers:

| | | | | |
|---|---|---|---|---|
| INFO | CODE-01 | C-1 | C-2 | C-3 |
| C-4 | C-5 | S-102 | D-101 | A-1B1 |
| A-101 | A-1R1 | A-201 | A-250 | A-301 |
| A-302 | A-401 | A-402 | A-501 | A-550 |
| A-580 | A-590 | A-601 | A-620 | A-640 |
| A-660 | A-801 | A-850 | A-901 | A-950 |
| A-990 | FI-101 | FI-901 | FR-101 | DP-101(09/17) |
| DM-101(09/17) | DE-101(09/17) | P-101(09/17) | 9-102(09/17) | 9-103(09/17) |
| P-201(09/17) | M-101(09/17) | M-102(09/17) | M-103(09/17) | M-104(09/17) |
| M-201(09/17) | M-202(09/17) | M-301(09/17) | E-101(09/17) | E-102(09/17) |
| E-103(09/17) | E-201(09/17) | E-202(09/17) | E-301(09/17) | E-302(09/17) |
| E-401(09/17) | E-501(09/17) | | | |

# BRIDGEPORT PUBLIC LIBRARY

## NEWFIELD LIBRARY RENOVATIONS / ADDITION

### 755 CENTRAL AVENUE BRIDGEPORT, CONNECTICUT

**THOMAS A. TORRENTI, P.C.**

STRUCTURAL ENGINEER

361 DOGBURN LANE
P.O. BOX 1153
ORANGE, CT. 06477
TEL: (203) 891-9933 FAX: (203) 891-8299

**PEREIRA ENGINEERING, LLC**

CIVIL ENGINEER / LANDSCAPE ARCHITECT

ONE ENTERPRISE DRIVE
SHELTON, CT. 06484
TEL: (203) 944-9944 FAX: (203) 944-9945

**ANTINOZZI ASSOCIATES**

ARCHITECTURE & INTERIORS

271 Fairfield Avenue
Bridgeport, Connecticut 06604
TEL (203) 377-1300 FAX (203) 378-3002
www.antinozzi.com

**ASHLAR CONSTRUCTION LLC**

CONSTRUCTION MANAGER

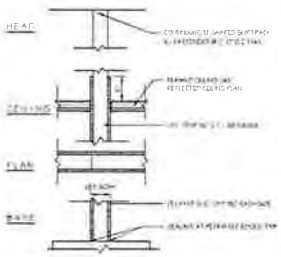
277 FAIRFIELD AVENUE
BRIDGEPORT, CT. 06604
TEL: (475) 422-9181

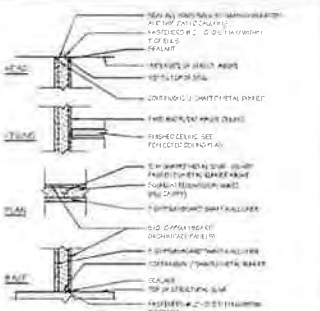
**SALAMONE & ASSOCIATES, P.C.**

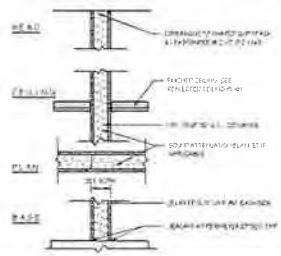
MEP / FP ENGINEER

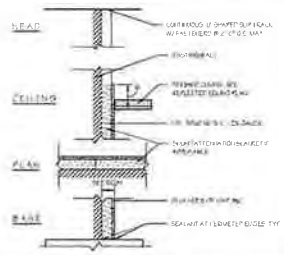
116 NORTH PLAINS ROAD
WALLINGFORD, CT. 06492
TEL: (203) 281-6895

## WALL TYPES




### METAL STUD PARTITIONS-1

| TYPE | STUD | FIRE RATING | U.L # | STC | COMMENTS | TOTAL WIDTH |
|---|---|---|---|---|---|---|
| 1 | 3 5/8" | | | | | |

### METAL STUD PARTITIONS-2

| TYPE | STUD | FIRE RATING | U.L # | STC | COMMENTS | TOTAL WIDTH |
|---|---|---|---|---|---|---|
| 2 | 3 5/8" | | | | SOUND ATTENUATION BLANKET TO DECK ABOVE | 4 7/8" |
| 2A | 3 5/8" | | | | SUB MOISTURE RESISTANT BOARD (WHERE OCCURS) SOUND ATTENUATION BLANKET | 4 7/8" |
| 2B | 6" | | | | SUB MOISTURE RESISTANT BOARD (WHERE OCCURS) SOUND ATTENUATION BLANKET | 6 1/4" |
| 2C | 8" | | | | SUB MOISTURE RESISTANT BOARD (WHERE OCCURS) SOUND ATTENUATION BLANKET | 7 1/4" |
| 2D | 8" | | | | SUB MOISTURE RESISTANT BOARD (WHERE OCCURS) SOUND ATTENUATION BLANKET | 8 1/4" |
| 2E | 8" | | | | SOUND ATTENUATION BLANKET TO DECK ABOVE | 8 1/4" |
| 2F | 8" | 1 | | | SOUND ATTENUATION BLANKET TO DECK ABOVE | 7 1/4" |
| 2G | 3 5/8" | | | | SHAFT SIDE ON ONE SIDE WITH SOUND ATTENUATION BLANKET TO DECK ABOVE | 4 1/4" |
| 2H | 3 5/8" | 1 | | | | 4 7/8" |

### METAL STUD PARTITIONS-3

| TYPE | STUD | FIRE RATING | U.L # | STC | COMMENTS | TOTAL WIDTH |
|---|---|---|---|---|---|---|
| 3 | 3 5/8" | | | | | 4 1/4" |

### METAL STUD PARTITIONS-4

| TYPE | STUD | FIRE RATING | U.L # | STC | COMMENTS | TOTAL WIDTH |
|---|---|---|---|---|---|---|
| 4 | 2 1/2" CH STUD | 1HR | U.L. DESIGN | | SHAFT WALL ON EITHER SIDE OF WALL WITH INSULATED OR TYPE X GYP BOARD | 3 1/4" |

## PARTITION TYPES GENERAL NOTES

1. [illegible]
2. WHERE PARTITIONS OCCUR AT [illegible] JOINT SHALL BE CONTINUOUS SUCH THAT NO PUNCTURING OF WALL SURFACE IS REQUIRED. [illegible]
3. AT SLOPED WALLS, [illegible]
4. [illegible]
5. ALL MASONRY WALLS SHALL EXTEND TO THE UNDERSIDE OF THE ROOF DECK ABOVE.
6. ALL SHARED WALLS NOT LOCATED WITHIN A WALL TYPE SHALL BE TYPE 1 U.O.N.
7. ALL SPECIFIED EQUIPMENT, SCHEDULES, FIXTURES, AND ACCESSORIES SHALL BE [illegible]
8. [illegible]
9. ALL MASONRY WALLS SHALL EXTEND TO THE UNDERSIDE OF THE ROOF DECK ABOVE.

## GRAPHICS LEGEND

### FINISH PLAN SYMBOLS

### CONSTRUCTION PLAN SYMBOLS

### GENERAL SYMBOLS

## ABBREVIATIONS

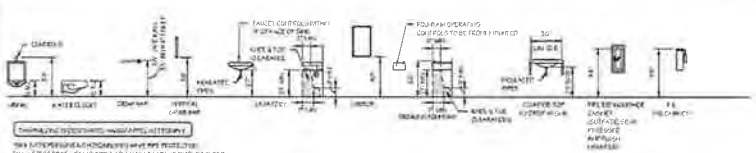
## GENERAL CONSTRUCTION NOTES

1. ALL CONTRACTORS SHALL VISIT THE PROJECT SITE AND FAMILIARIZE THEMSELVES WITH ALL EXISTING AND ADVERSE CONDITIONS BEFORE SUBMITTING BIDS.
2. [illegible]
3. ALL CONTRACTORS SHALL COMPLY WITH ANY AND ALL LOCAL CODES AND REGULATIONS GOVERNING THEIR RESPECTIVE TRADES.
4. ALL DIMENSIONS ARE TO FACE OF FINISHED WALLS UNLESS OTHERWISE NOTED. ANY DIMENSIONS INDICATED AS "CLEAR" OR "HOLD" ARE CRITICAL AND DESIGN IS FROM THESE FACTS TO BE MAINTAINED.
5. ALL CONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AS REQUIRED BEFORE SUBMITTING SHOP DRAWINGS OR STARTING WORK. IF DISCREPANCIES EXIST AND ALTERATIONS ARE REQUIRED AS INDICATED IN THESE DRAWINGS, ALL CHANGES SHALL BE APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION. ANY QUESTIONS IN THESE DRAWINGS OR ANY DISCREPANCY OR LACK OF CLARITY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY. IF THIS IS NOT DONE, THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY FOR ANY AND ALL CORRECTIVE WORK REQUIRED AS A RESULT OF THE DISCREPANCY OR LACK OF CLARITY. ALL DIMENSIONS SHALL BE CHECKED BY THE CONTRACTOR AND ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
6. ALL WORK SHALL COMPLY WITH THE 2015 IBC AS AMENDED BY THE 2018 IECC AND ALL OTHER REQUIRED STATE AND LOCAL CODES AND REGULATIONS.
7. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING AREAS AND ADJACENT TO SITE AREA CLEAN AND FREE OF DEBRIS. ALL MATERIALS SHALL BE DISPOSED OF IN A LEGAL MANNER. ALL AREAS TO BE CLEANED AT THE END OF EACH WORK DAY.
8. [illegible]
9. ALL CONFLICTS IN PLANS, SPECIFICATIONS, ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEERS FOR RESOLUTION PRIOR TO THE START OF CONSTRUCTION.
10. [illegible]
11. ALL EXPOSED PIPING, DUCTWORK, AND EQUIPMENT SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT. COORDINATE WITH OWNER'S REPRESENTATIVE.
12. ALL MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
13. ALL EQUIPMENT SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS AND SHALL BE PROVIDED WITH ADEQUATE CLEARANCE FOR MAINTENANCE AND REPAIR.
14. ALL EQUIPMENT SHALL BE PROVIDED WITH ADEQUATE SUPPORT AND BRACING TO RESIST SEISMIC FORCES AS REQUIRED BY CODE.
15. ALL EQUIPMENT SHALL BE PROVIDED WITH ADEQUATE SUPPORT AND BRACING TO RESIST SEISMIC FORCES AS REQUIRED BY CODE.
16. ALL EQUIPMENT SHALL BE PROVIDED WITH ADEQUATE SUPPORT AND BRACING TO RESIST SEISMIC FORCES AS REQUIRED BY CODE.
17. ALL EQUIPMENT SHALL BE PROVIDED WITH ADEQUATE SUPPORT AND BRACING TO RESIST SEISMIC FORCES AS REQUIRED BY CODE.
18. ALL EQUIPMENT SHALL BE PROVIDED WITH ADEQUATE SUPPORT AND BRACING TO RESIST SEISMIC FORCES AS REQUIRED BY CODE.
19. ALL EQUIPMENT SHALL BE PROVIDED WITH ADEQUATE SUPPORT AND BRACING TO RESIST SEISMIC FORCES AS REQUIRED BY CODE.
20. ALL EQUIPMENT SHALL BE PROVIDED WITH ADEQUATE SUPPORT AND BRACING TO RESIST SEISMIC FORCES AS REQUIRED BY CODE.

## DRAWING LIST

| | |
|---|---|
| COVER | COVER SHEET |
| INFO | GENERAL INFORMATION, DRAWING LIST, ABBREVIATIONS, GRAPHICS LEGEND |
| CODE | CODE PLAN AND INFORMATION |
| C-1 | SITE PLAN |
| C-2 | GRADING AND UTILITIES PLAN |
| C-3 | SOIL EROSION AND SEDIMENT CONTROL PLAN |
| C-4 | DETAIL 01 |
| C-5 | DETAILS |
| D-101 | BASEMENT AND FIRST FLOOR DEMOLITION PLAN |
| A-151 | BASEMENT FLOOR PLAN |
| A-171 | FIRST FLOOR PLAN |
| A-181 | ROOF PLAN |
| A-271 | BASEMENT AND FIRST FLOOR REFLECTED CEILING PLAN |
| A-350 | CEILING DETAILS |
| A-501 | EXTERIOR ELEVATIONS |
| A-502 | EXTERIOR ELEVATIONS |
| A-401 | BUILDING SECTIONS |
| A-402 | BUILDING SECTIONS |
| A-501 | WALL SECTIONS |
| A-502 | WALL SECTIONS |
| A-550 | SECTION DETAILS |
| A-560 | BASE AND WALL SECTION DETAILS |
| A-670 | WINDOW AND CURTAIL WALL DETAILS |
| A-690 | COLUMN ENCLOSURE PLANS/DETAILS |
| A-601 | ENLARGED TOILET ROOM PLANS, ELEVATIONS AND DETAILS |
| A-620 | ENLARGED PLANS, ELEVATIONS AND DETAILS |
| A-640 | ENLARGED STAIR PLANS, SECTIONS AND DETAILS |
| A-650 | ELEVATOR PLANS, SECTIONS AND DETAILS |
| A-701 | MISCELLANEOUS DETAILS |
| A-801 | INTERIOR ELEVATIONS |
| A-802 | INTERIOR ELEVATIONS |
| A-850 | MILLWORK SECTIONS AND DETAILS |
| A-901 | DOOR SCHEDULE, TYPES AND ELEVATIONS |
| A-980 | INTERIOR SIGNAGE DETAILS |
| FI-101 | BASEMENT AND FIRST FLOOR FINISH PLAN |
| FI-801 | FINISH SCHEDULE AND LEGEND |
| FR-151 | BASEMENT FURNITURE PLAN |
| FR-101 | BASEMENT AND FIRST FLOOR FURNITURE PLAN |
| FR-801 | FURNITURE SCHEDULE AND LEGEND |
| S-001 | DESIGN BASIS, TYPICAL DETAILS & NOTES |
| S-101 | FOUNDATION PLAN |
| S-102 | ROOF FRAMING PLAN |
| S-201 | FOUNDATION SECTIONS |
| S-501 | FRAMING SECTIONS |
| S-502 | FRAMING SECTIONS |
| S-601 | COLUMN SCHEDULE |
| DE-101 | ELECTRICAL DEMOLITION PLAN |
| DM-101 | MECHANICAL DEMOLITION PLAN |
| DP-101 | PLUMBING DEMOLITION PLAN |
| M-121 | BASEMENT MECHANICAL PLAN |
| M-122 | FIRST FLOOR MECHANICAL PLAN |
| M-408 | ROOF MECHANICAL PLAN |
| M-104 | RADIANT PIPING FLOOR PLANS |
| M-201 | MECHANICAL SCHEMATICS |
| M-202 | MECHANICAL DETAILS |
| M-801 | MECHANICAL SCHEDULES, SYMBOLS, NOTES AND ABBREVIATIONS |
| P-121 | BASEMENT PLUMBING PLAN |
| P-122 | FIRST FLOOR PLUMBING PLAN |
| P-128 | ROOF PLUMBING PLAN |
| P-201 | PLUMBING DETAILS, SCHEDULE, SYMBOLS, NOTES AND ABBREVIATIONS |
| E-121 | BASEMENT ELECTRICAL PLAN |
| E-122 | FIRST FLOOR ELECTRICAL PLAN |
| E-128 | ROOF ELECTRICAL PLAN |
| E-201 | BASEMENT LIGHTING PLAN |
| E-202 | FIRST FLOOR LIGHTING PLAN |
| E-501 | ELECTRICAL RISER DIAGRAMS |
| E-502 | PANELBOARD SCHEDULES |
| E-601 | ELECTRICAL DETAILS |
| E-801 | ELECTRICAL SCHEDULES, SYMBOLS, NOTES AND ABBREVIATIONS |

## MOUNTING HEIGHTS FOR HANDICAPPED ACCESSIBLE FIXTURES




## MATERIALS LEGEND


ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS


DES. DEV. SET
19 SEPTEMBER 2017
NOT FOR PERMIT ACTION

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

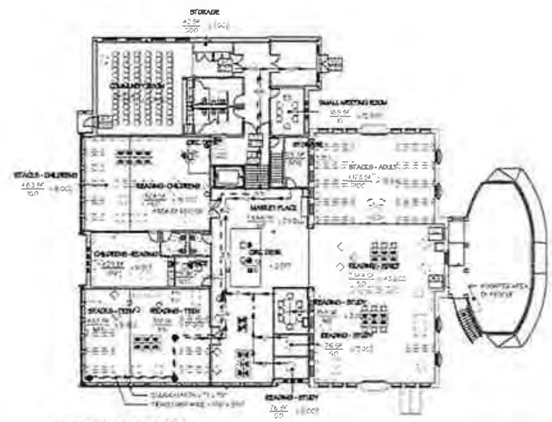
DRAWING TITLE
GENERAL INFORMATION, DRAWING LIST, ABBREVIATIONS, GRAPHICS LEGEND

| SCALE | DRAWN BY | VERIFIED BY |
|---|---|---|
| As indicated | Author | Approver |

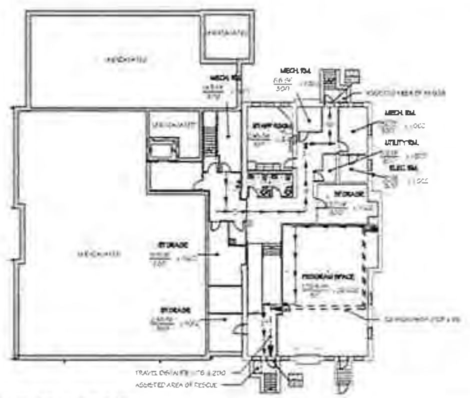
DRAWING NO.
INFO

| DATE | JOB NUMBER |
|---|---|
| 09/29/2017 | 16010 |

## CODE LEGEND




2 01_FI - 1ST FLOOR




1 BASEMENT FLOOR

## CODE INFORMATION

| | | |
|---|---|---|
| PROJECT SCOPE: | | Addition / Existing building |
| LOCATION | | Bridgeport, CT |
| ZONING | Zone: | [illegible] |
| | Proposed Use: | Library |
| | Building Footprint: | [illegible] |
| DATE OF PROJECTED CONSTRUCTION | | [illegible] |
| ESTIMATED DATE OF COMPLETION | | 2019 |
| 1. USE GROUP: (Chapter 3) | Existing: | Assembly - Group A-3 |
| | New (Primary): | Assembly - Group A-3 |
| | New (Accessory): | N/A |
| 2. CONSTRUCTION TYPE: (Chapter 6, Table 601) | Minimum Required: | V-B |
| | Actual Provided: | V-B (Existing) V-B (New) |
| 3. BUILDING HEIGHT: (Chapter 5, Table 503) | Allowable: | V-B 140' |
| | Actual: | 2 stories / 30'-8" FT (to mid-point of highest roof); 2 (# stories above grade) |
| Height Modifications to Table 503 | | 1 story / 20 FT |

4. BUILDING AREA: (SF) (Chapter 5, Table 503) NOTE: SF = interior face of exterior wall per 502.1

| | EXISTING | | NEW | | TOTALS |
|---|---|---|---|---|---|
| Basement Floor: | [illegible] | + | [illegible] | = | 4,325 |
| First Floor: | [illegible] | + | 8,045 | = | [illegible] |
| TOTAL: | [illegible] | + | [illegible] | = | 15,786 |

(Total Floor Area)

5. AREA MODIFICATIONS TO TABLE 503: (for each separate building as defined by fire walls and/or exterior walls) NOTE: Provide key plan to show Total and Open Perimeter (SF)

| | NORTH | | EAST | | WEST | | SOUTH | | |
|---|---|---|---|---|---|---|---|---|---|
| Total Perimeter: | 120.8 | + | 115 | + | 115 | + | 120.8 | = | 471 |
| Open Perimeter: | 42.5 | + | 115 | + | 0 | + | 120.8 | = | 278 |
| Total Frontage (F): | 278.1 FT | | | | Total Perimeter (P): | | | | 471.2 FT |

(building perimeter which fronts on a public way or open space having 20 FT open min. width) — (perimeter of entire building)

Width of Open Space (W): 30

% Frontage Increase (If): If = [ F/P - 0.25 ] W/30; If = 34.02%

| | |
|---|---|
| (Table 503) % of Allowable Tabular Area (At) | = 100% |
| (506.2) % Increase for Frontage (If) | + 34.02% |
| (506.3) % Increase for Automatic Sprinklers (Is) | + 200% |
| Total Percentage Factor | = 334.02% |
| (Total % Factor / 100) conversion Factor | 3.34 |

6. CASE 1 - SINGLE OCCUPANCY OR NONSEPARATED USES (508.3) (Allowable Area 506.4)

a. Adjusted Building Area (SF): 11,493 (actual bldg area, largest floor) ÷ 3.34 (conversion factor) = 3,440.8

b. Allowable Area per Floor (A a) (SF): 3.34 x 6,000 (tabular area, Table 503) = 20,041

c. Total Actual Floor Area (SF) (all stories, not including basements): [illegible]

d. Allowable Floor Area (SF) (all stories, not including basements): 20,041 (A a) x 2 (number of stories, 3 max.) = [illegible]

7. CASE 2 - MIXED OCCUPANCY SEPARATED USES (508.4) (Allowable Area 506.4)

8. FIRE-RESISTANT RATINGS FOR BUILDING ELEMENTS (TABLE 601)

| BUILDING ELEMENT | | RATING (hours) REQUIRED | PROVIDED |
|---|---|---|---|
| 1. Primary Structural frame | | 0 | 0 |
| 2. Bearing walls | Exterior | [illegible] | [illegible] |
| | Interior | [illegible] | [illegible] |
| 3. Nonbearing walls and partitions (Table 602) | Exterior | [illegible] | [illegible] |
| 4. Nonbearing walls and partitions | Interior | [illegible] | [illegible] |
| 5. Floor construction and associated secondary members | | [illegible] | [illegible] |
| 6. Roof construction and associated secondary members | | [illegible] | [illegible] |

8a. OTHER FIRE-RESISTANCE RATING REQUIREMENTS (hours)

| | REQUIRED | PROVIDED |
|---|---|---|
| Storage Rooms over 100 SF (509.4.1.1) | [illegible] | [illegible] |
| Separation of mixed occupancies (508.4.4, 707.3.9 & Table 508.4) | - | - |
| Exit & vertical exit enclosures (707.3.2 & 1022.1) | [illegible] | [illegible] |
| Shaft enclosures (713.4) | 1 | 1 |
| Fire walls (706.4) | - | - |
| Fire partitions (708.3) | 1 | 1 |
| Smoke Barriers (709.3) | 1 | 1 |
| Horizontal assemblies (711.3) | 0 | 0 |
| Corridors (Table 1018.1) | 0 | 0 |
| Incidental Use Areas (Table 509) | [illegible] | [illegible] |
| Other fire-resistance rating requirements (uncommon/specialized rating requirements - i.e. NFPA) | - | - |

9. OCCUPANCY LOAD:

NOTE: If a wing or portion of the building is subject to locking, each entire side shall be considered separately for occupant load, means of egress, number of exits, the exiting with the entire facility "open".

| | Req. Design Total (1004, Table 1004.1.2) | Provided Exit Capacity |
|---|---|---|
| Basement Floor: | 42 occ. | 325 occ. |
| First Floor: | 298 occ. | 890 occ. |

10. MODIFICATIONS: Modification # / Code Section Reference / Approval Date

11. ACCESSIBLE BUILDING: (Chapter 11) — Designated YES

12. MINIMUM PLUMBING FIXTURE COUNT: (2902, Table 2902.1, IPC Chapter 4) For each type of occupancy in each separate building or entire facility

USE GROUP: xxxx - Group X — NUMBER OF FIXTURES

| DESIGN OCCUPANT LOAD: | | REQUIRED | PROVIDED |
|---|---|---|---|
| Water Closets: | Male | [illegible] | [illegible] |
| (For urinals, see IPC Section 419.2) | Female | [illegible] | [illegible] |
| Lavatories | Male | [illegible] | [illegible] |
| | Female | [illegible] | [illegible] |
| Bathtubs or Showers | | [illegible] | [illegible] |
| Drinking Fountains (see IPC Section 410) | | [illegible] | [illegible] |
| Other: | | | |
| Service sink: (per building) | | 1 | 1 |

13. SPRINKLER PROTECTION: Yes

14. THRESHOLD BUILDING CONDITIONS: (107.7) No

15. CODES TO WHICH THIS PROJECT WAS DESIGNED:

State Building Code w/ Supplement(s):
- 2016 State Building Code - State of Connecticut
- 2012 International Building Code
- 2012 International Mechanical Code
- 2012 International Plumbing Code
- 2014 NFPA 70 National Electrical Code
- 2012 International Energy Conservation Code
- 2009 ICC / ANSI A117.1 Accessible and Usable Building and Facilities

State Fire Code w/ Supplement(s):
- 2016 Connecticut State Fire Safety Code
- 2015 Connecticut State Fire Prevention Code

16. ADDITIONAL EGRESS REQUIREMENTS:

| | | REQUIRED | PROVIDED |
|---|---|---|---|
| Number of Exits (or exit access doorways) | Basement Floor: | 2 min. | 2 |
| | First Floor: | [illegible] min. | [illegible] |
| | Total Building | 4 | 4 |
| Exit Access Travel Distance (Tables 1016.2 or 1021.2 (2)) | Basement Floor: | 250 FT max. | 104 FT |
| | First Floor: | 250 FT max. | 178 FT |
| Common Path of Egress Travel (1014.3) | | 75 FT max. | 71'-0" |
| Stairway Width (1005.3.1, 1007.3, 1009.4) | | 48" min. | 69" |
| Corridor Width (1005.3.2 & 1018.2) | | 44" min. | 84" |
| Corridor Dead Ends (1018.4) | | 20 FT max. | 7'-8" |
| Exit or Exit Access Doorway Arrangement (1015.2) | | 77.5 FT min. | 98' |

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

DES. DEV. SET
29 SEPTEMBER 2017

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

CODE PLAN AND INFORMATION

Scale: As indicated | Drawn by: IC | Checked by: Approver

CODE-01

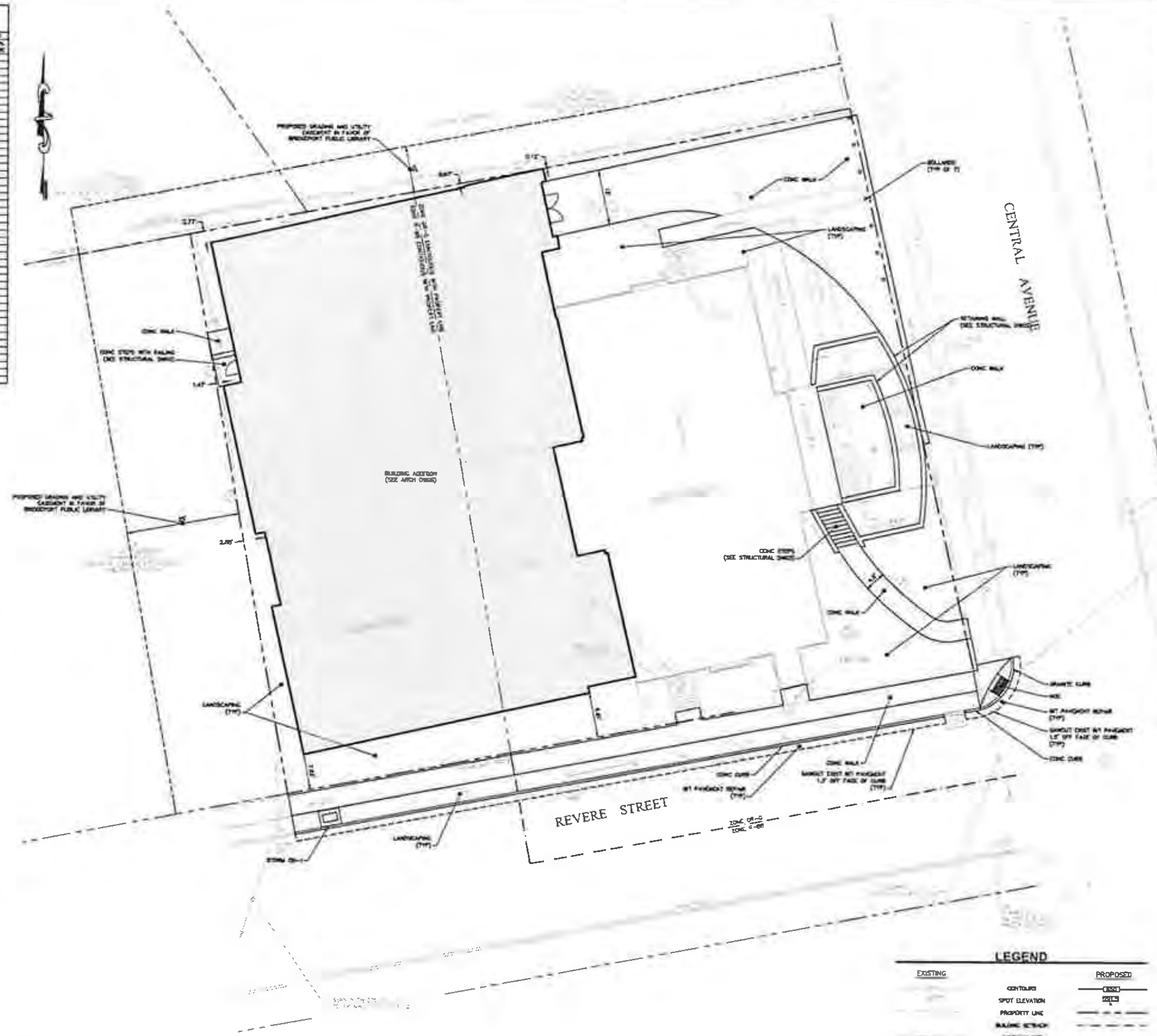
Date: 09/29/2017 | Job number: 16010

## ZONING DATA TABLE
### OR-G ZONE

[illegible]

## ZONING DATA TABLE
### R-BB ZONE

[illegible]



LOCATION MAP
NOT TO SCALE

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CITY OF BRIDGEPORT STANDARDS AND SPECIFICATIONS OR IN THE ABSENCE THEREOF TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816 (LATEST EDITION).
2. [illegible]
3. PRIOR TO CONSTRUCTION, [illegible] SITE CONDITIONS AND SHALL IMMEDIATELY REPORT ANY [illegible]
4. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" (CBYD) LOCATING SERVICE AT 1-(800)-922-4455 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE START OF CONSTRUCTION IN ORDER TO HAVE ALL UTILITIES LOCATED AND MARKED. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATING SERVICE (AT HIS OWN EXPENSE) TO VERIFY AND/OR LOCATE ANY/ALL UTILITIES THAT CBYD DOES NOT LOCATE. ANY/ALL REFERENCES ON DRAWINGS TO "UTILITIES" INCLUDES ANY/ALL TYPES OF BUILDING AND/OR SITE "SERVICES" AS WELL.
5. SURVEY AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM A [illegible] PROPERTY LOCATED AT 755 CENTRAL AVENUE & 57 REVERE [illegible] BRIDGEPORT PUBLIC LIBRARY"; DATE MAY 24, 2016; REVISED: AUGUST 16, 2017; PREPARED BY PEREIRA ENGINEERING, LLC.
6. [illegible]
7. THE BUILDING ADDITION LOCATION AND ORIENTATION SHOWN ARE ONE OF MANY POSSIBLE LAYOUTS. ANY VARIATION FROM THIS PLAN IS TO BE APPROVED BY A PROFESSIONAL ENGINEER.
8. [illegible]
9. ANY AND ALL RETAINING WALLS REQUIRED SHALL BE DESIGNED AND CERTIFIED BY A LICENSED STRUCTURAL ENGINEER. WIDTHS OF RETAINING WALLS DEPICTED ON THESE PLANS ARE PROVIDED FOR INFORMATION PURPOSES ONLY. ACTUAL WIDTHS OF RETAINING WALLS SHALL BE DETERMINED BY WALL MANUFACTURER AND/OR STRUCTURAL ENGINEER BASED ON EXISTING CONDITIONS AND SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION.
10. TREES LOCATED ON CITY PROPERTY SHALL BE TAGGED FOR INSPECTION BY THE TREE WARDEN. TREES SHALL NOT BE CUT DOWN UNTIL INSPECTED AND APPROVED BY THE TREE WARDEN.
11. NO STUMPS, BRUSH, BUILDING DEBRIS, OR UNSUITABLE MATERIALS ARE TO BE BURIED ONSITE. CONTRACTOR IS RESPONSIBLE FOR ANY/ALL COSTS ASSOCIATED WITH REMOVING ALL MATERIALS OFFSITE AT NO ADDITIONAL COST TO THE OWNER.
12. ALL UTILITY WORK TO BE DONE IN ACCORDANCE WITH THE RESPECTIVE UTILITY'S REQUIREMENTS AND STANDARDS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE UTILITY RELATED WORK WITH THE RESPECTIVE UTILITIES. ALL COSTS, INCLUDING PERMIT FEES, SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS ITEMS OF WORK UNDER THIS CONTRACT.
13. CONTRACTOR IS RESPONSIBLE FOR DOING WORK THAT IS COMPLIANT WITH SECTION 504 OF THE REHABILITATION ACT OF 1973 AND TITLE II OF THE AMERICANS WITH DISABILITIES ACT AS AMENDED THROUGH LATEST VERSION.
14. [illegible]
15. [illegible]
16. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS AND [illegible] TO THE OWNER AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO [illegible] ALLOW A MINIMUM OF 14 DAYS FOR REVIEW.

## LEGEND

| EXISTING | | PROPOSED |
|---|---|---|
| | CONTOURS | |
| | SPOT ELEVATION | |
| | PROPERTY LINE | |
| | BUILDING SETBACK | |
| | [illegible] | |
| | [illegible] | |
| | STONE WALL | |
| | [illegible] | |
| | STRUCTURE | |
| | EDGE OF PAVEMENT | |
| | STORM SEWER PIPE | 24" RCP |
| | SANITARY SEWER PIPE | 6" PVC |
| | CATCH BASIN | |
| | SANITARY MH | |
| | DRAINAGE MH | |
| | WATER | |
| | GAS | |
| | SANITARY LATERAL | |
| | ROOF DRAIN | |
| | FOOTING DRAIN | |
| | LIGHT POLE | |
| | UTILITY POLE | |
| | HYDRANT | |

## ABBREVIATIONS

| | |
|---|---|
| APPROX | APPROXIMATE |
| BIT | BITUMINOUS CONCRETE |
| BM | BENCHMARK |
| CB | CATCH BASIN |
| CONC | CONCRETE |
| ELEV | ELEVATION |
| EXIST | EXISTING |
| FES | FLARED END SECTION |
| HCC | HANDICAP CURB CUT |
| INV | INVERT |
| MAX | MAXIMUM |
| MH | MANHOLE |
| MIN | MINIMUM |
| NTS | NOT TO SCALE |
| OC | ON CENTER |
| PERF | PERFORATED |
| R | RADIUS |
| RCP | REINFORCED CONCRETE PIPE |
| SF | SQUARE FOOT (FEET) |
| TYP | TYPICAL |

SCALE: [illegible]

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

DD SET
29 SEPTEMBER 2017
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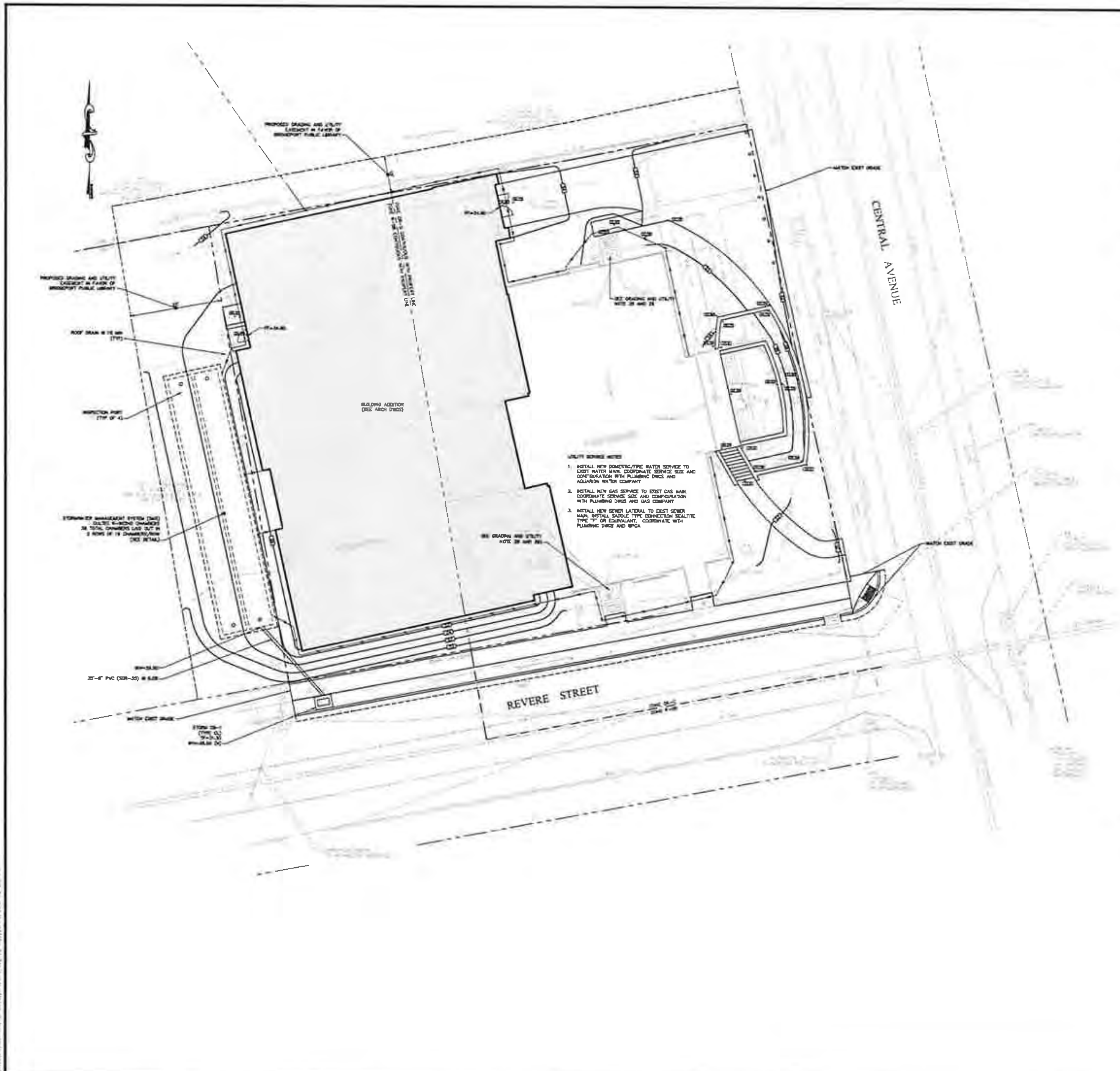
PEREIRA ENGINEERING, LLC

# BRIDGEPORT LIBRARY
NEWFIELD LIBRARY
RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

SITE PLAN

C-1




GRADING AND UTILITY NOTES:

1. THE CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING TREES WHERE POSSIBLE. REFER TO "SOIL EROSION AND SEDIMENT CONTROL PLAN" FOR LIMIT OF DISTURBANCE AND NOTES.
2. ALL TOPSOIL SHALL BE STRIPPED [illegible] FOR USE IN FINAL LANDSCAPING. [illegible] BE REMOVED AND REPLACED WITH [illegible]
3. THE CONTRACTOR SHALL COMPACT FILL UNDER BUILDING, AND WALK AREAS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557(MODIFIED PROCTOR TEST) OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
4. GRADE AWAY FROM BUILDINGS AT 2% MINIMUM. MINIMUM GRADE IN PAVED AREAS AND SIDEWALKS IS 1% (TYPICALLY 2%).
5. CONTRACTOR IS RESPONSIBLE FOR [illegible] AND PROTECTION SYSTEMS CAPABLE OF [illegible] RESISTING SOIL AND HYDROSTATIC PRESSURE AND SUPERIMPOSED AND CONSTRUCTION LOADS.
6. MANHOLE RIMS, CATCH BASIN GRATES, VALVE COVERS, AND OTHER SIMILAR [illegible] RIMS, TOPS, GRATES, AND VALVE [illegible] COST TO THE OWNER.
7. ALL EXISTING PAVEMENT WHERE UTILITIES ARE TO BE INSTALLED SHALL BE SAWCUT. AFTER UTILITY INSTALLATION IS COMPLETED, THE CONTRACTOR SHALL INSTALL TEMPORARY AND/OR PERMANENT PAVEMENT REPAIR AS DETAILED ON THE DRAWINGS OR AS REQUIRED.
8. [illegible] CONTRACTOR TO THEIR PRESENCE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF UTILITIES INCLUDING SERVICES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" LOCATING SERVICE AT 1-(800)-922-4455 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO CONSTRUCTION AND VERIFY UNDERGROUND AND OVERHEAD UTILITY LOCATIONS. [illegible]
9. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ALL UTILITY COMPANIES PRIOR TO SUBMITTAL OF BID TO ENSURE THAT ALL UTILITY COMPANY'S (AND MUNICIPALITY'S) STANDARDS AND SPECIFICATIONS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET. CONTRACTOR SHALL PROVIDE AND INSTALL ANY/ALL ADDITIONAL APPURTENANCES REQUIRED BY UTILITY COMPANIES INCLUDING, BUT NOT LIMITED TO, METERS, METER PITS, VALVES, HAND HOLES, ETC.
10. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE RESPECTIVE UTILITY COMPANY'S REQUIREMENTS AND STANDARDS. IT WILL BE THE CONTRACTOR'S [illegible] UTILITY COMPANIES. [illegible] PRICES BID FOR THE [illegible]
11. UTILITY CONNECTION DESIGN AS REFLECTED ON THIS PLAN MAY CHANGE SUBJECT TO UTILITY COMPANY REQUIREMENTS.
12. ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION PRIOR TO APPROVAL FOR BACKFILL, IN ACCORDANCE WITH THE APPROPRIATE UTILITY COMPANY AND/OR CITY REQUIREMENTS.
13. PROPOSED WATER SERVICE SHALL BE INSTALLED A MINIMUM OF TEN FEET FROM ANY SANITARY SEWER PIPE. REFER TO THE STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH DRINKING WATER SECTION FOR "WATER MAIN DESIGN AND CONSTRUCTION GUIDELINES" FOR ADDITIONAL INFORMATION.
14. CONTRACTOR SHALL PROVIDE CONCRETE ENCASEMENT OF PIPING AND UTILITIES WHERE SEPARATION DISTANCES BETWEEN PIPING AND/OR UTILITY CROSSINGS ARE 12" OR LESS. ADDITIONAL PROTECTION MEASURES MAY ALSO BE REQUIRED BY ENGINEER AND WILL BE PROVIDED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
15. ALL DISTURBANCE INCURRED TO CITY, STATE, OR OTHER PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE RESPECTIVE CITY, STATE, OR OTHER AUTHORITY.
16. THIS PLAN DETAILS PIPES UP TO 5' FROM THE BUILDING FACE. REFER TO DRAWINGS BY OTHERS FOR ADDITIONAL INFORMATION. SITE CONTRACTOR SHALL SUPPLY AND INSTALL PIPE FITTINGS AND ADAPTERS AS NECESSARY AT BUILDING CONNECTION POINT(S) OR AT EXISTING UTILITY OR PIPE CONNECTION POINT(S).
17. [illegible]
18. SANITARY SEWER CONSTRUCTION SHALL COMPLY WITH LOCAL SEWER DEPARTMENT AND WPCA STANDARDS.
19. NEW STORM SEWER PIPING SHALL BE RELOCATED AS REQUIRED TO AVOID CONFLICTS WITH EXISTING PIPING AND UTILITIES AT NO ADDITIONAL COST TO OWNER.
20. EARTHEN SLOPES SHALL BE NO STEEPER THAN 2H:1V (3H:1V SLOPES MAX FOR LAWN AREAS). STEEPER SLOPES SHALL BE REINFORCED WITH RIPRAP AND MAY BE GRADED AT 1.5H:1V (MAX), UNLESS OTHERWISE DETAILED. THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
21. IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL INSTALL TEMPORARY PUMPING SYSTEMS, UNDERDRAINS, CURTAIN DRAINS, AND/OR OTHER MEASURES AS REQUIRED OR AS REQUESTED BY ENGINEER IN ORDER TO PROVIDE DRY, STABLE SUBGRADES. THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
22. SANITARY LATERAL PIPING SHALL BE SDR-35 PVC PLASTIC PIPE (ASTM D3034 SDR-35 WITH RUBBER GASKETS, BELL AND SPIGOT TYPE JOINTS. PIPING SHALL BE SET AT A MINIMUM SLOPE OF 2%.
23. ALL GUTTERS, AND ROOF DRAINS DRAINS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM AS REQUIRED BY ENGINEER. CONNECT DOWNSPOUTS TO ROOF [illegible] SUBMIT [illegible]
24. ALL SOLID ROOF DRAIN PIPING SHALL BE 6" SCHEDULE 40 PVC PLASTIC PIPE (ASTM D1785) WITH SOLVENT WELDED JOINTS.
25. PROVIDE CLEANOUT CONNECTIONS WITH CAST-IRON ACCESS FRAMES AND COVERS (TO GRADE) AT ALL CHANGES IN DIRECTION EXCEEDING 22-1/2° FOR FOOTING DRAINS, ROOF DRAINS, AND SANITARY LATERALS AS DIRECTED BY ENGINEER. CONTRACTOR SHALL ALSO INSTALL CLEANOUTS WITH ACCESS FRAMES AND COVERS FOR FOOTING DRAINS, ROOF DRAINS, AND SANITARY LATERALS DISCOVERED DURING CONSTRUCTION. ACCESS FRAMES AND COVERS SHALL BE PROVIDED AS MANUFACTURED BY CAMPBELL FOUNDRY COMPANY (PATTERN NUMBER 4155) SUBMIT CUT-SHEETS TO ENGINEER PRIOR TO CONSTRUCTION FOR APPROVAL.
26. CONTRACTOR SHALL RELOCATE, REMOVE, AND/OR OTHERWISE MODIFY ANY EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION AS REQUIRED TO AVOID CONFLICTS WITH THE PROPOSED WORK AS DIRECTED BY ENGINEER AT NO ADDITIONAL COST TO OWNER.
27. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY CONTRACTOR AS DIRECTED BY ENGINEER AT NO ADDITIONAL COST TO OWNER.
28. CONTRACTOR SHALL FLUSH AND CLEANOUT ALL NEW AND EXISTING STORM SEWER SYSTEM (INCLUDING, BUT NOT LIMITED TO, CATCH BASINS, MANHOLES, AND STORMPIPING) LOCATED WITHIN PROJECT WORK AREA INCLUDING ANY STORM STRUCTURES & PIPING LOCATED DOWNSTREAM OF PROJECT WORK AREA TO ENSURE UNINHIBITED FLOW OF STORMWATER TO DISCHARGE POINT.
29. ANY AND ALL EXISTING SEWERS, DRAINS, AND/OR UTILITIES ENCOUNTERED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED/RECONNECTED TO OPERATING SEWERS, DRAINS, AND/OR UTILITIES AS DIRECTED BY ENGINEER AT NO ADDITIONAL COST TO OWNER.
30. [illegible]
31. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF CONSTRUCTION.

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

DD SET
29 SEPTEMBER 2017

PEREIRA ENGINEERING, LLC

BRIDGEPORT LIBRARY
NEWFIELD LIBRARY
RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

GRADING AND UTILITIES PLAN

SCALE: 1"=10' | DRAWN BY: EFH | CHECKED BY: JCP

C-2

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PEREIRA ENGINEERING, LLC
Civil • Environmental • Land Surveying

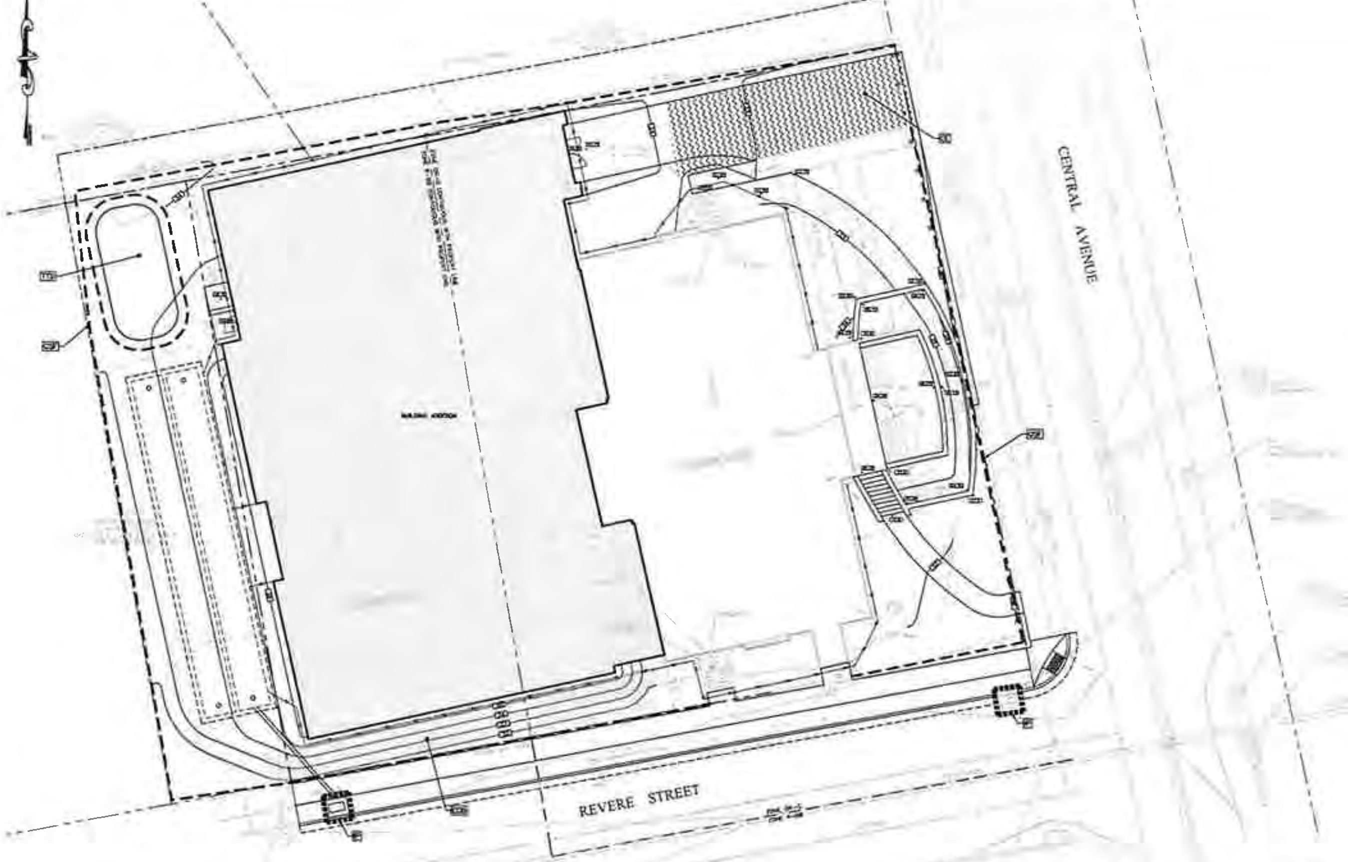
# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY
RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

SOIL EROSION AND SEDIMENT CONTROL PLAN

Scale: 1"=10' | Drawn: EFH | Reviewed: ICP

C-3



LOCATION MAP
NOT TO SCALE

## SOIL EROSION AND SEDIMENT CONTROL NOTES

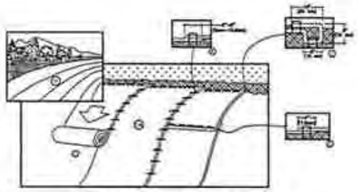
1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CONNECTICUT "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (LATEST EDITION).
2. ALL LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM AND RESTABILIZATION OF ANY DISTURBED AREAS SHALL BE SCHEDULED AS SOON AS PRACTICAL.
3. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
4. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
5. ADDITIONAL CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, SILT FENCES, HAYBALE FILTERS, CONSTRUCTION ENTRANCES, RIPRAP, AND EROSION CONTROL BLANKETS SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD AS NECESSARY OR REQUIRED BY ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
6. ALL CONTROL STRUCTURES SHALL BE INSPECTED AND CLEANED PERIODICALLY. ALL SEDIMENT REMOVED FROM CONTROL STRUCTURES SHALL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
7. FOR EROSION AND SILTATION CONTROL, SILT FENCES AND/OR HAYBALE FILTERS SHALL BE INSTALLED AROUND ALL STOCKPILES OF FILL MATERIALS, OR AS DIRECTED BY THE LOCAL AUTHORITY. ONCE STOCKPILES ARE IN PLACE THEY SHALL BE SEEDED TO PREVENT EROSION.
8. IF DISTURBED AREAS CANNOT BE SEEDED IMMEDIATELY DUE TO TIME OF YEAR, THEN MULCH AREA UNTIL SEEDING CAN OCCUR. REMOVE MULCH AND SEED AND REMULCH WHEN SEASON PERMITS.
9. CATCH BASINS SHALL BE PROTECTED BY SILT SACK FILTERS AND AS SHOWN ON THE DRAWINGS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
10. HAYBALE FILTERS AND/OR SILT FENCES WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
11. STORMWATER DISCHARGE AREAS WILL BE PROTECTED WITH RIPRAP CHANNELS AND ENERGY DISSIPATORS AS REQUIRED AND/OR NECESSARY.
12. ALL DEWATERING PUMPING MUST HAVE SEDIMENT AND EROSION CONTROL PROVISIONS TO MAINTAIN CLEAR WATER DISCHARGE (NOT MUDDY). EACH DEWATERING PUMP SHALL DISCHARGE INTO THE EXISTING OR PROPOSED STORM DRAINAGE SYSTEM IN A MANNER THAT WILL NOT CAUSE EROSION, SEDIMENTATION, NUISANCE, OR SAFETY HAZARDS. EACH DEWATERING PUMP INTAKE SHALL BE PLACED IN A CLEAN, PERFORATED 55-GALLON DRUM, SURROUNDED BY AT LEAST 18 INCHES OF 3/4" CLEAN, CRUSHED STONE. THE ENTIRE SURFACE OF THE DRUM (SIDES, TOP, AND BOTTOM) SHALL BE PROTECTED FROM SILTY WATER ENTERING THE DRUM. IF NECESSARY, THE PUMP DISCHARGE SHALL PASS THROUGH A SETTLEMENT BASIN OF ADEQUATE SIZE TO FURTHER CLARIFY THE PUMP DISCHARGE PRIOR TO ENTERING THE STORM DRAINAGE SYSTEM. SUCH BASIN COULD BE MADE FROM AN EXCAVATED PIT OR BY USING A SEALED TRASH DUMPSTER. THE BASIN WOULD HAVE A PIPED OVERFLOW LEADING INTO THE STORM DRAINAGE SYSTEM. ALTERNATIVE METHODS MAY BE USED, SUCH AS WELL POINTS, OTHER TYPES OF PUMP INTAKE FILTERS, AND SETTLEMENT BASINS, IF APPROVED BY THE ENGINEER AND GOVERNING AGENCIES. ALL PUMP DISCHARGE FROM DEWATERING SHALL BE CLEAR AT THE POINT WHERE IT FLOWS OFF THE PROPERTY.
13. THE CONTRACTOR SHALL KEEP ALL PUBLIC ROADWAYS CLEAN AND CLEAR OF ALL MUD DURING CONSTRUCTION AND SHALL IMPLEMENT WHATEVER MEASURES DIRECTED BY THE LOCAL AUTHORITY. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE CONSTRUCTION [illegible] 12" DEEP WHERE SHOWN ON [illegible]
14. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY/ALL PERMITS REQUIRED AS RELATED TO SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, DEP PERMITS.
15. THE CONTRACTOR IS DESIGNATED AS SITE MONITOR AND IS RESPONSIBLE FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY [illegible] CONTROL MEASURES, INFORMING [illegible] OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE INLAND WETLANDS COMMISSION OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

## SOIL EROSION AND SEDIMENT CONTROL NARRATIVE

1. THE PROPOSED SITE IMPROVEMENTS INCLUDES CONSTRUCTION OF A BUILDING ADDITION AND ASSOCIATED APPURTENANCES. THE BUILDING WILL BE SERVICED BY PUBLIC WATER AND SANITARY SEWERS. THE TOTAL SITE AREA IS APPROXIMATELY 0.43 ACRES.
2. PRIOR TO COMMENCEMENT OF CONSTRUCTION, A PRECONSTRUCTION MEETING IS TO BE HELD WITH THE DESIGN ENGINEER, OWNER, GENERAL CONTRACTOR, AND REPRESENTATIVES FROM THE CITY OF BRIDGEPORT (INCLUDING THE CITY ENGINEER AND/OR ZONING ENFORCEMENT OFFICER, AND/OR WETLANDS ENFORCEMENT OFFICER).
3. CONSTRUCTION WILL BEGIN SHORTLY AFTER NECESSARY APPROVALS ARE OBTAINED. CONSTRUCTION IS ANTICIPATED TO BE COMPLETED WITHIN ONE YEAR FROM THE TIME OF COMMENCEMENT.
4. MAINTENANCE OF THE EROSION CONTROLS SHALL CONSIST OF INSPECTION AT THE START OF EACH WORK DAY WITH SPECIAL ATTENTION AFFORDED FOLLOWING STORM EVENTS. NOTED DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY. BUILT UP SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL DEVICES AND DISPOSED OF IN A MANNER CONSISTENT WITH THIS PLAN. ADDITIONAL SEEDING OR MULCHING SHALL BE EMPLOYED AS REQUIRED. WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR HAVE TEMPORARILY [illegible] ARE REACHED [illegible] IMPLEMENTED [illegible] FOR AT LEAST THIRTY DAYS SHALL RECEIVE TEMPORARY SEEDING AND/OR MULCHING IN ACCORDANCE WITH THE SOIL EROSION GUIDELINES.
5. SEQUENCE OF CONSTRUCTION (PHASING):
   - 5.1 CONDUCT PRE-CONSTRUCTION MEETING.
   - 5.2 FIELD STAKE LIMITS OF ALL DISTURBANCE AND PROPOSED CONSTRUCTION.
   - 5.3 INSTALL SILT FENCE AND HAY BALE BARRIERS BETWEEN WORK AREAS AND ADJACENT RESOURCE AREAS AND AT TOE OF SLOPES AT LOCATIONS SHOWN ON THE PLANS.
   - 5.4 INSTALL CONSTRUCTION ENTRANCE AT THE POINT OF CONSTRUCTION VEHICLE ACCESS TO THE SITE.
   - 5.5 ALL TREES AND BRUSH IN THE AREA OF THE NEW GRADING SHALL BE CUT. BRUSH AND TREES UNDER 8" IN DIAMETER MAY BE CHIPPED FOR USE AS MULCH. DEMOLISH EXISTING BUILDING & UTILITIES.
   - 5.6 CLEAR AND GRUB CONSTRUCTION AREA.
   - 5.7 THE LOAM SHALL BE STRIPPED AND STOCKPILED IN AREAS WHERE SHOWN ON THE DRAWINGS. STUMPS SHALL BE REMOVED AND DISPOSED OF AT A LEGAL LANDFILL OFF-SITE.
   - 5.8 THE LOAM STOCKPILES SHALL BE RINGED WITH SILT FENCE. THESE RINGS SHALL BE MAINTAINED DURING THE PERIOD THAT MATERIALS ARE STORED. STOCKPILES STORED FOR MORE THAN 30 DAYS SHALL BE SEEDED WITH TEMPORARY COVER TO PREVENT EROSION.
   - 5.9 EXCAVATE FOR PROPOSED BUILDING FOUNDATION. CONSTRUCT WALLS AND SLAB.
   - 5.10 INSTALL STORM DRAINAGE SYSTEM. IF WATER IS ENCOUNTERED, DURING INSTALLATION, CONTRACTOR TO PUMP WATER TO SETTLING BASIN. DEWATERING BASIN IS TO BE INSPECTED AT LEAST EVERY TWO HOURS DURING PERIODS OF USE. CONTRACTOR TO REMOVE ACCUMULATED SEDIMENTS WHEN THE SEDIMENT EQUALS ONE HALF THE REQUIRED STORAGE VOLUME. THE ACCUMULATED SEDIMENT WHICH IS REMOVED SHALL BE DISPOSED OF PROPERLY.
   - 5.11 CONSTRUCT NEW RETAINING WALLS.
   - 5.12 INSTALL UNDERGROUND UTILITIES.
   - 5.13 EXCAVATE AND/OR FILL WORK SITE TO SUB-GRADE LEVEL. FILL WILL BE PLACED AND COMPACTED IN 8 INCH LIFTS AND SHALL BE FREE OF BRUSH, RUBBISH, LOGS, BUILDING DEBRIS, OR ANY OTHER OBJECTIONABLE MATERIAL AS DETERMINED BY THE ENGINEER. MOISTEN SOIL SURFACE PERIODICALLY WITH WATER TO MINIMIZE DUST.
   - 5.14 CONSTRUCT NEW PAVEMENT SURFACES.
   - 5.15 ALL DISTURBED AREAS NOT COVERED BY SIDEWALKS, AND LANDSCAPING, ETC. SHALL BE GRADED AND STABILIZED AS FOLLOWS:
     - A. PLACE MINIMUM 4 INCHES OF TOPSOIL IN ALL AREAS. APPLY LIMESTONE AND FERTILIZER IN ACCORDANCE WITH SOIL TEST RECOMMENDATIONS.
     - B. APPLY RECOMMENDED SEED MIXTURE AT RECOMMENDED RATE.
     - C. APPLY STRAW OR HAY MULCH ON ALL SEEDED AREAS.
     - D. SEEDING SHOULD TAKE PLACE BETWEEN APRIL 1 THROUGH JUNE 15 AND AUGUST 15 AND SEPTEMBER 30. IF OUTSIDE THESE PERIODS, AREAS SHALL BE STABILIZED WITH STRAW OR HAY MULCHING AT A RATE OR 90 POUNDS PER 1,000 SQUARE FEET.
   - 5.16 SILT FENCE AND HAYBALES SHOULD REMAIN AND BE MAINTAINED UNTIL TRIBUTARY AREAS ARE STABILIZED.

## SOIL EROSION AND SEDIMENT CONTROL LEGEND

| SYMBOL | KEY | DESCRIPTION |
|---|---|---|
| | CE | CONSTRUCTION ENTRANCE |
| | ECB | EROSION CONTROL BLANKET |
| | GSF | GEOTEXTILE SILT FENCE |
| | IP | INLET PROTECTION |
| | TTS | TEMPORARY TOPSOIL STOCKPILE SURROUNDED WITH GEOTEXTILE SILT FENCE |



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.
6. SPECIFICATION: THE EROSION CONTROL BLANKET SHALL BE A MACHINE-PRODUCED MAT OF 100% AGRICULTURAL STRAW MATRIX WITH A FUNCTIONAL LONGEVITY OF APPROXIMATELY 12 MONTHS. (NOTE: FUNCTIONAL LONGEVITY MAY VARY DEPENDING UPON CLIMATIC CONDITIONS, SOIL, GEOGRAPHIC LOCATION, AND ELEVATION).

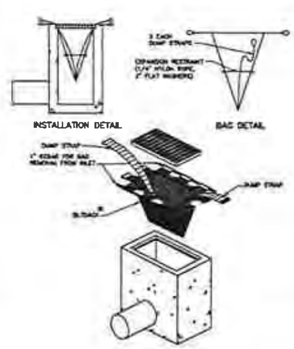
THE BLANKET SHALL BE OF CONSISTENT THICKNESS WITH THE STRAW EVENLY DISTRIBUTED OVER THE ENTIRE AREA OF THE MAT. THE BLANKET SHALL BE COVERED ON THE TOP AND BOTTOM SIDES WITH LIGHTWEIGHT PHOTODEGRADABLE SEWN TOGETHER ON 1.50 INCH (3.81 CM) CENTERS (50 STICHES PER ROLL WIDTH) WITH DEGRADABLE THREAD.

INSTALLATION STAPLE PATTERNS SHALL BE CLEARLY MARKED ON THE EROSION CONTROL BLANKET WITH ENVIRONMENTALLY SAFE PAINT. THE BLANKET SHALL BE MANUFACTURED WITH A COLORED LINE OR THREAD STITCHED ALONG BOTH OUTER EDGES (APPROXIMATELY 2-5 INCHES [5-12.5 CM] FROM THE EDGE) TO ENSURE PROPER MATERIAL OVERLAPPING.

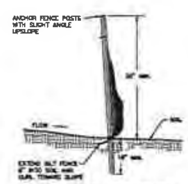
THE STRAW EROSION CONTROL BLANKET SHALL BE MODEL S150 AS MANUFACTURED BY NORTH AMERICAN GREEN, OR EQUIVALENT. (LOCAL DISTRIBUTOR: CONSTRUCTION MATERIALS (203) 335-1873)

NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

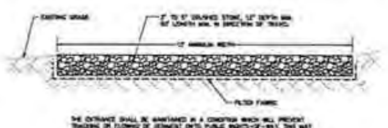
**EROSION CONTROL BLANKET DETAIL** ECB
(FOR USE ON VEGETATED SLOPES UP TO 2H:1V)
NOT TO SCALE



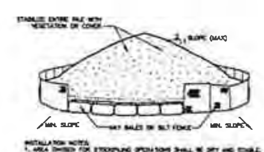

**SILTSACK DETAIL** IP
NOT TO SCALE




**GEOTEXTILE SILT FENCE** GSF
NOT TO SCALE

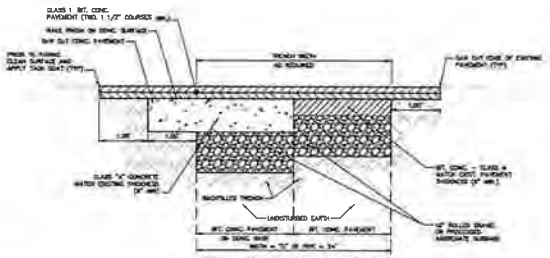



**CONSTRUCTION ENTRANCE** CE
NOT TO SCALE

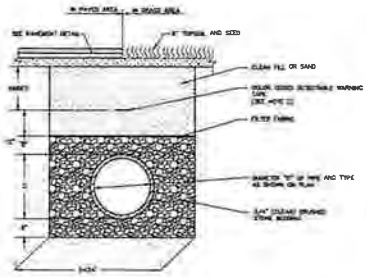



**TEMPORARY STOCKPILE** TTS
NOT TO SCALE

SCALE: 1" = 10'

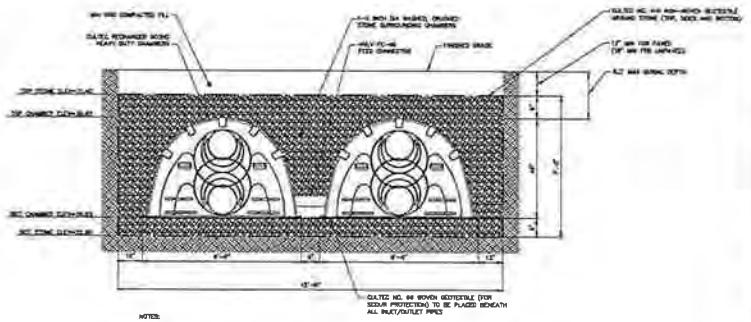


TYPICAL PAVEMENT REPAIR DETAIL
NOT TO SCALE



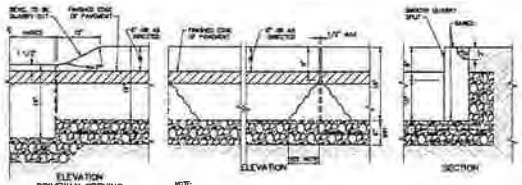
NOTES:
1) FILL MATERIALS SHALL BE COMPACTED TO 95% DRY DENSITY UNDER PAVED AREAS, SIDEWALKS AND OTHER STRUCTURES AND TO 90% DRY DENSITY (MIN.) UNDER UNPAVED AREAS.

TYPICAL UTILITY TRENCH
NOT TO SCALE



NOTES:
1. CONTRACTOR SHALL INSTALL CULTEC RECHARGER 902HD HEAVY DUTY CHAMBERS AND END CAPS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. INSPECTION PORTS SHALL BE PROVIDED TO FINISHED GRADE AS SHOWN ON THE PLANS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

STORMWATER MANAGEMENT SYSTEM (SMS)
NOT TO SCALE



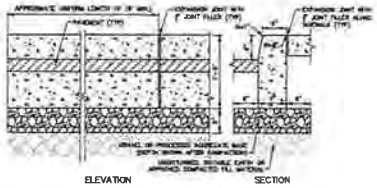
ELEVATION
DRIVEWAY OPENING
DROPPED CURB

ELEVATION

SECTION

NOTE:
MAXIMUM ALLOWABLE BREAK BACK
6" FOR CURB LENGTH OF 6' OR MORE
6" FOR CURB LENGTH OF LESS THAN 6'

GRANITE CURBING
NOT TO SCALE

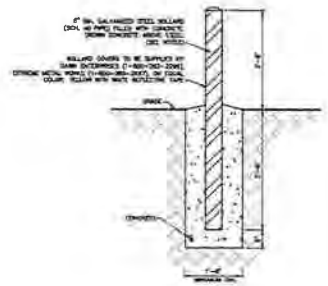


ELEVATION

SECTION

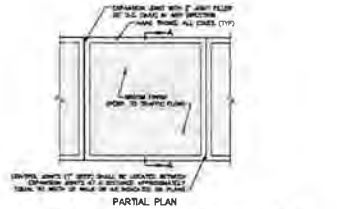
NOTES:
1. CONCRETE FOR CAST-IN-PLACE CURB (CURBING) SHALL BE CLASS "C" CONCRETE (3,000 PSI). CONCRETE FOR PRECAST CURBING SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI WITH 3-7% ENTRAINED AIR.
2. BASE SHALL BE KEPT THOROUGHLY WET DURING COMPACTION AND SHALL BE DAMP WHEN CONCRETE IS POURED (NO POOLS ALLOWED).
3. ADDITIONAL EXPANSION JOINTS TO BE PROVIDED WHERE THE CURBING JOINS ANY RIGID STRUCTURES INCLUDING, BUT NOT LIMITED TO, BUILDINGS, WALLS, WALKS, APRONS, PADS, OTHER CURBING, ETC.
4. EXPANSION JOINT FILLER SHALL BE PREFORMED BITUMINOUS CELLULAR (FIBER) TYPE PER AASHTO M 213 REQUIREMENTS.
5. CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL AND REPLACE WITH FILL MATERIAL APPROVED BY ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

CONCRETE CURBING
NOT TO SCALE



NOTES:
1. CONTRACTOR SHALL PREPARE SURFACE OF POSTS IN ACCORDANCE WITH RECOMMENDATIONS BY SHERWIN WILLIAMS REPRESENTATIVE (PHONE: 203-377-1711). PREPARATION INCLUDES REMOVAL OF GREASE AND CONTAMINANTS WITH A SOLVENT CLEANER OR WITH AN AQUEOUS CLEANER SUCH AS "HURRICANE (SW10)".
2. PAINT WITH ONE COAT OF 2-PART EPOXY PRIMER (SHERWIN WILLIAMS MACROPOXY 646 OR EQUAL) AND TWO COATS OF 2-PART ELASTOMERIC (SHERWIN WILLIAMS ACROLON 218HS OR EQUAL), COLOR: SAFETY YELLOW.

BOLLARD DETAIL
NOT TO SCALE

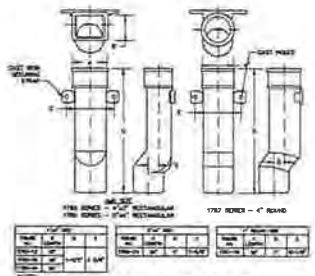


PARTIAL PLAN

SECTION A-A

NOTES:
1. CONCRETE SIDEWALK (WALK) SHALL BE 6" THICK AT DRIVEWAYS.
2. BASE SHALL BE KEPT THOROUGHLY WET DURING COMPACTION AND SHALL BE DAMP WHEN CONCRETE IS POURED (NO POOLS ALLOWED).
3. ADDITIONAL EXPANSION JOINTS TO BE PROVIDED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURES INCLUDING, BUT NOT LIMITED TO, CURBS, BUILDINGS, WALLS, APRONS, PADS, OTHER SIDEWALKS, ETC.
4. EXPANSION JOINT FILLER SHALL BE PREFORMED BITUMINOUS CELLULAR (FIBER) TYPE PER AASHTO M 213 REQUIREMENTS.
5. CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL AND REPLACE WITH FILL MATERIAL APPROVED BY ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

CONCRETE SIDEWALK
NOT TO SCALE



NOTES:
1. ALL DOWNSPOUT BOOTS HAVE 4" SPIGOT END CONNECTION WITH 4" PIPE.
2. CONTRACTOR SHALL DETERMINE SIZE & LENGTH OF DOWNSPOUT BOOTS WITH SIZE OF DOWNSPOUTS AND ROOF DRAINS AS NECESSARY.
3. DOWNSPOUT BOOTS TO BE AS MANUFACTURED BY JAY R. SMITH MFG. CO. OR APPROVED EQUAL.

DOWNSPOUT BOOT DETAIL
NOT TO SCALE

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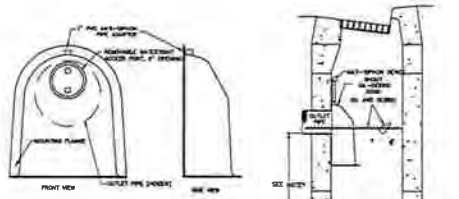


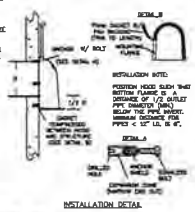
SNOUT OIL-WATER-DEBRIS SEPARATOR

CONFIGURATION DETAIL

TYPICAL INSTALLATION

NOTES:

1. ALL NEW CATCH BASINS SHALL BE PROVIDED WITH HOODS AND TRAPS AS MANUFACTURED BY BEST MANAGEMENT PRODUCTS, INC. (PHONE: (888) 434-0277) OR APPROVED EQUAL.
2. ALL HOODS SHALL BE CONSTRUCTED OF A CLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT AS SHOWN. (SEE CONFIGURATION DETAIL)
4. THE SIZE AND INSERTION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION.
5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES ≤12" I.D.
6. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 24" ACCORDING TO STRUCTURE CONFIGURATION.
7. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL.
8. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 1/4" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
9. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT. INSTALLATION KIT SHALL INCLUDE:
   A. INSTALLATION INSTRUCTIONS
   B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
   C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING
   D. 1/4" STAINLESS STEEL BOLTS
   E. ANCHOR SHIELDS



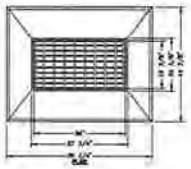
INSTALLATION DETAIL

INSTALLATION NOTES:

POSITION HOOD SUCH THAT BOTTOM FLANGE IS A DISTANCE OF 1/2 OUTLET PIPE DIAMETER (MIN.) BELOW THE PIPE INVERT. MINIMUM DISCHARGE FOR PIPES < 12" I.D. IS 6".

## HOODED OUTLET COVER DETAIL

NOT TO SCALE

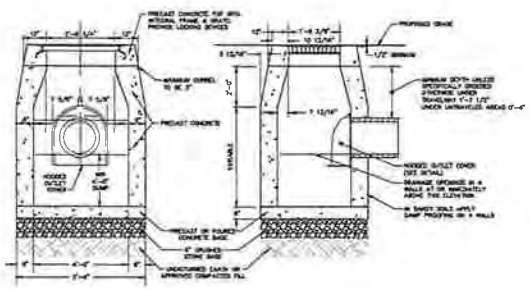


NOTES:

1. MINIMUM CONCRETE COMPRESSIVE STRENGTH: 5,000 PSI @ 28 DAYS
2. DESIGN LOADING: AASHTO H-20
3. CONFORMS TO CTDOT STANDARD SPECIFICATIONS
4. STEEL REINFORCED WITH #4 BARS
5. TO BE MANUFACTURED BY CONNECTICUT PRECAST CORP. - NORWALK, CT OR APPROVED EQUAL

## TYPICAL CATCH BASIN GRATE DETAIL TYPE "CL"

NOT TO SCALE



## TYPE "CL" CATCH BASIN

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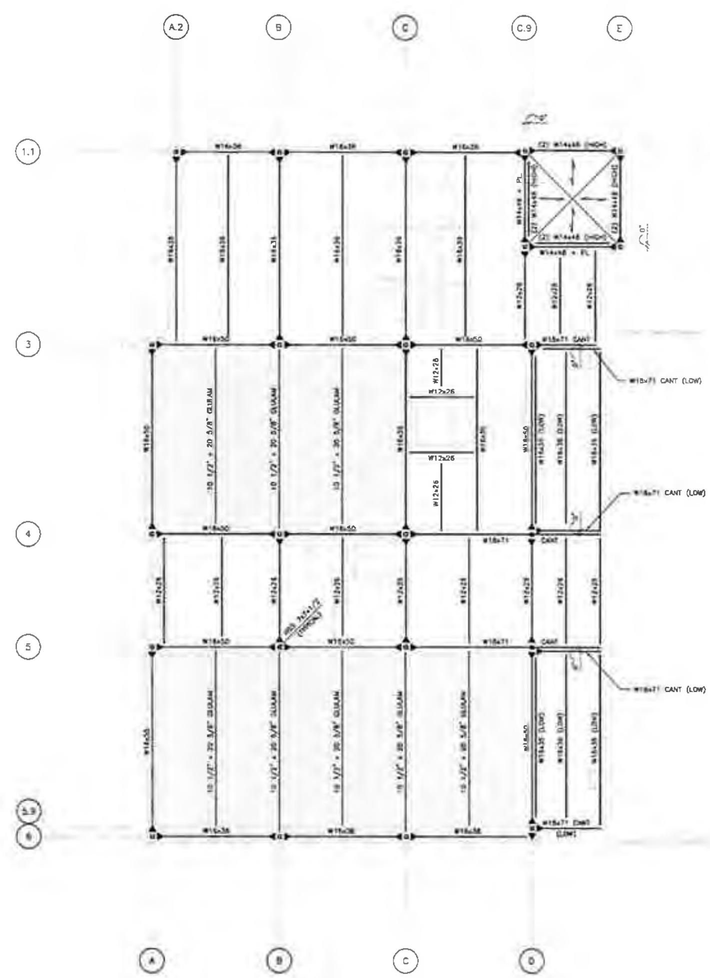


## ROOF FRAMING PLAN

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

PROJECT NORTH

### ROOF FRAMING PLAN NOTES:

1. TOP OF ROOF STEEL EL. VARIES. REFER TO ARCH'L DRAWINGS.
2. TYPICAL ROOF CONSTRUCTION: 3" x 18 GAGE GALVANIZED TYPE WS DEEP RIB METAL DECK UNLESS OTHERWISE NOTED.
   [illegible]
3. DENOTES BEAM-TO-COLUMN MOMENT CONNECTION (SEE TYPICAL DETAIL)
4. DENOTES 3" NOMINAL LAMINATED WOOD DECKING OVER GLUED LAMINATED WOOD BEAMS.
5. DENOTES 8" x 14 GAGE GALV. COLD-FORMED METAL FRAMING

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ROOF FRAMING PLAN

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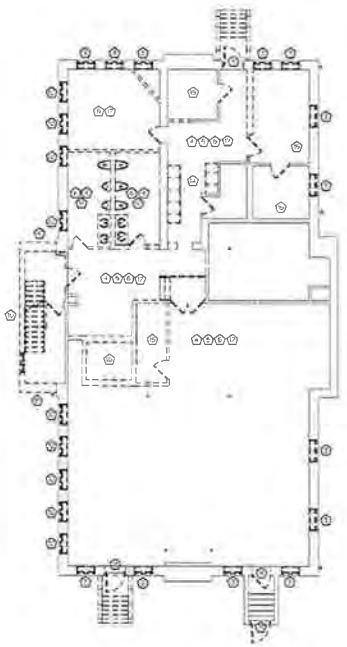
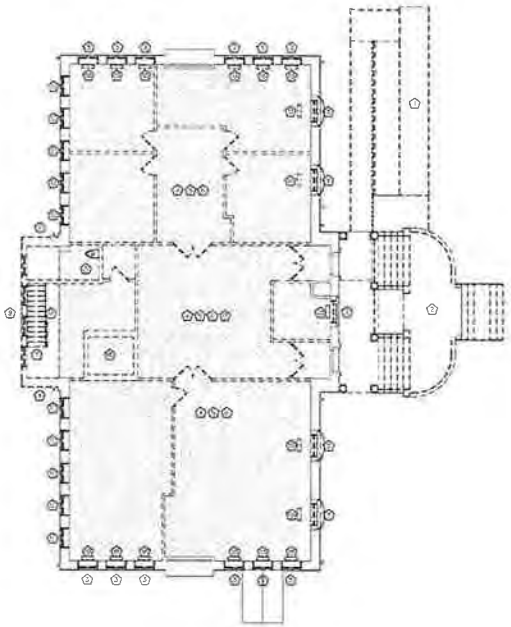


A1 BASEMENT DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



A2 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

## GENERAL DEMOLITION NOTES

A. THESE NOTES ARE FOR INTENT PURPOSES ONLY. CONTRACTOR TO BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS OF ALL ITEMS AS REQUIRED TO COMPLETE THIS PROJECT AS SHOWN AND THE CONSTRUCTION DOCUMENTS.
B. ALL CUTTING, PATCHING & DEMOLITION REQUIRED BY ALL TRADES OF THIS PROJECT THAT AND EXISTING AREAS SHALL BE PERFORMED BY THE CONTRACTOR.
C. DISCONNECT OR DISABLE ALL AFFECTED UTILITIES PRIOR TO CONSTRUCTING WORK. ALL ABANDONED UTILITY LINES (PLUMBING, ELECTRICAL, DATA, ALARM) SHALL BE CUT & CAPPED BELOW FLOOR LINE OR BEHIND WALL LINE. FLOOR OR WALL SHALL BE PATCHED TO MATCH EXISTING ADJACENT SURFACES.
D. APPLIANCE ELECTRICAL SECURITY OF OTHER SUCH JUNCTION BOXES OF CONTROL PANELS SHALL BE REMOVED.
E. GC TO CONTRACT AGENCY AREAS WITH OWNER TO MAINTAIN THE DISTURBANCE UP DAILY BUILDING OPERATIONS AND TO PROTECT EXISTING SITE ELEMENTS (FACILITIES, SIDEWALKS, LANDSCAPING, ETC.) FROM DAMAGE.

## DEMOLITION NOTES

1. REMOVE EXISTING WOOD MANIFESTS ENTIRETY INCLUDING CONCRETE FOOTINGS.
2. REMOVE EXISTING CONCRETE AND BRICK STAIR AND METAL RAILINGS.
3. REMOVE EXISTING WINDOWS AND PREP TO RECEIVE NEW WINDOWS.
4. REMOVE EXISTING GYP. BD. PARTITION AS SHOWN DASHED.
5. REMOVE EXISTING DOOR AND FRAME COMPLETE AS SHOWN DASHED.
6. REMOVE EXISTING FLOOR PANEL, PREP SUBFLOOR TO RECEIVE NEW PANEL.
7. REMOVE EXISTING INTERIOR STAIR AND RAILINGS COMPLETE.
8. REMOVE EXISTING PLUMBING FIXTURES, CUT AND CAP BELOW FLOOR LINE.
9. REMOVE EXISTING EXTERIOR WALL AND WINDOWS IN THEIR ENTIRETY.
10. REMOVE EXISTING FOUNDATION WALL AND FOOTINGS.
11. REMOVE EXISTING EXTERIOR DOORS AND FRAMES COMPLETE, PREP TO RECEIVE NEW EXTERIOR DOOR AND FRAME.
12. REMOVE EXISTING WINDOWS COMPLETE, PREP TO RECEIVE WALL INFILL.
13. REMOVE EXISTING CEILING MOUNTED LIGHT FIXTURES. PATCH CEILING TO MATCH EXISTING ADJACENT CONSTRUCTION.
14. REMOVE EXISTING MILLWORK COMPLETE.
15. REMOVE EXISTING EQUIPMENT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.
16. REMOVE EXISTING ELEVATOR AND ALL ASSOCIATED COMPONENTS COMPLETE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION. INFILL FLOOR OPENING WITH CONSTRUCTION TO MATCH EXISTING ADJACENT CONSTRUCTION.
17. REMOVE EXISTING CEILING IN THEIR ENTIRETY.
18. REMOVE 6" X 22" PORTION OF EXISTING CEILING. PREP TO RECEIVE NEW MECHANICAL GRILLE.

ANTINOZZI ASSOCIATES
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Mr. Martin T. Cannavale, Jr. (Ext. 1)
Mr. Dino Mazzola



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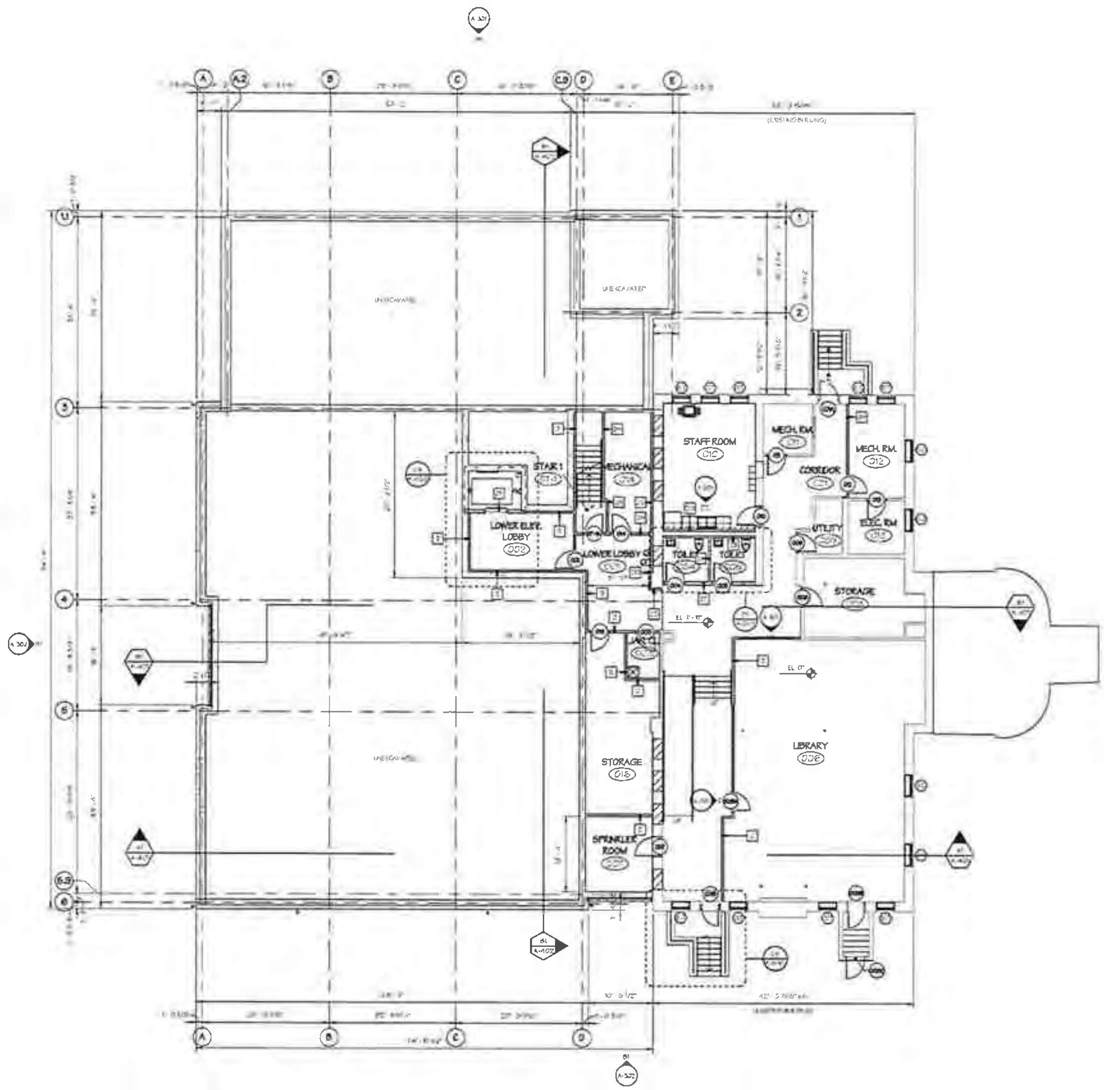


BASEMENT FLOOR PLAN

## GENERAL CONSTRUCTION NOTES

NOTE: THE FOLLOWING NOTES APPLY TO ALL AREAS OF REQUIRED WORK

- ALL CONTRACTORS SHALL VISIT THE PROJECT SITE AND FAMILIARIZE THEMSELVES WITH ALL BUILDING AND WORKING CONDITIONS BEFORE SUBMITTING A BID.
- ALL CONTRACTORS TO HAVE ADEQUATE INSURANCE AND SHALL SUBMIT PROOF OF SAME BEFORE STARTING WORK.
- ALL CONTRACTORS SHALL OBTAIN AND PAY FOR ANY PERMITS REQUIRED FOR THE DISCIPLINE.
- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS OTHERWISE NOTED. [illegible] FINISHED FACE TO FINISHED FACE.
- ALL CONTRACTORS SHALL VERIFY ALL DIMENSIONS IN THE FIELD AS REQUIRED BEFORE SUBMITTING SHOP DRAWINGS AND/OR PRIOR TO PERFORMING ALL WORK REQUIRED AS SHOWN ON THESE DRAWINGS. ALL WALLS AND/OR PERMANENTLY LOCATED ITEMS SHALL BE CHALKED ON THE FLOOR TO VERIFY ACCURACY OF LAYOUT PRIOR TO CONSTRUCTION. ALL DISCREPANCIES THAT MAY IMPEDE THE FINISHED PRODUCT OF THIS CONTRACT SHALL BE DISCUSSED WITH THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- ALL WORK SHALL CONFORM TO EXISTING CODES, REGULATIONS, AND GENERAL REQUIREMENTS, AND BE DONE IN A FIRST CLASS CRAFTSMANLIKE MANNER ACCORDING TO GOOD CONSTRUCTION PRACTICES.
- ALL CONTRACTORS TO BE RESPONSIBLE FOR KEEPING AREAS ADJACENT TO WORK AREA CLEAN AND FREE FROM ALL MATERIALS CONNECTED WITH ALTERATION/RENOVATION WORK. AREAS TO BE CLEANED AT THE END OF EACH WORK DAY.
- GENERAL CONTRACTOR SHALL COORDINATE ALL WORK, INCLUDING ALL NIC ITEMS THROUGHOUT PROJECT. CONTRACTS FOR NIC WORK SHALL BE PROVIDED BY CLIENT (OR CLIENT REPRESENTATIVE). PRICING FOR PROJECT SHALL NOT INCLUDE NIC ITEMS. TYPICAL.
- ALL COLORS, MATERIALS, ETC. TO BE SELECTED BY ARCHITECT. SUBMIT SAMPLES FOR APPROVAL IF ANY SUBSTITUTIONS ARE PROPOSED.
- ALL CONTRACTORS ARE TO BE CONSIDERED PRIMARY FOR THEIR PARTICULAR DISCIPLINE. THE NOTES ABOVE APPLY TO ALL.
- FURNISH AND INSTALL FRAMELESS ACCESS DOORS WERE REQUIRED FOR ACCESS TO ACTIVE BUILDING SYSTEMS, VALVES, ETC. REVIEW LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE AND INSTALL CONCEALED WOOD BLOCKING HALF THICK WITHIN THE WALL CAVITY FOR ALL SURFACE MOUNTED ITEMS (BRACKETS, STANDARDS, MILLWORK, FURNITURE SYSTEMS, COAT HOOKS, AND TOILET ACCESSORIES, ETC.)
- ALL ABANDONED UTILITY LINES (PLUMBING & ELECTRICAL) SHALL BE CUT & CAPPED BELOW FLOOR LINE OR BEHIND WALL LINE. FLOOR OR WALL SHALL BE FINISHED TO MATCH EXISTING ADJACENT SURFACE.
- ALL POWER, DATA, PHONE, AND SECURITY DISCONNECT/RECONNECT TO BE COORDINATED BY THE GENERAL CONTRACTOR.
- ALL HVAC DIFFUSERS, DUCTWORK, ETC. SHALL BE COORDINATED WITH THESE DRAWINGS. ANY DISCREPANCIES OR ISSUES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR REVIEW.
- ALL NEW DOOR FRAMES TO START 4" OFF PERPENDICULAR WALL UNLESS OTHERWISE NOTED.

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# BRIDGEPORT LIBRARY

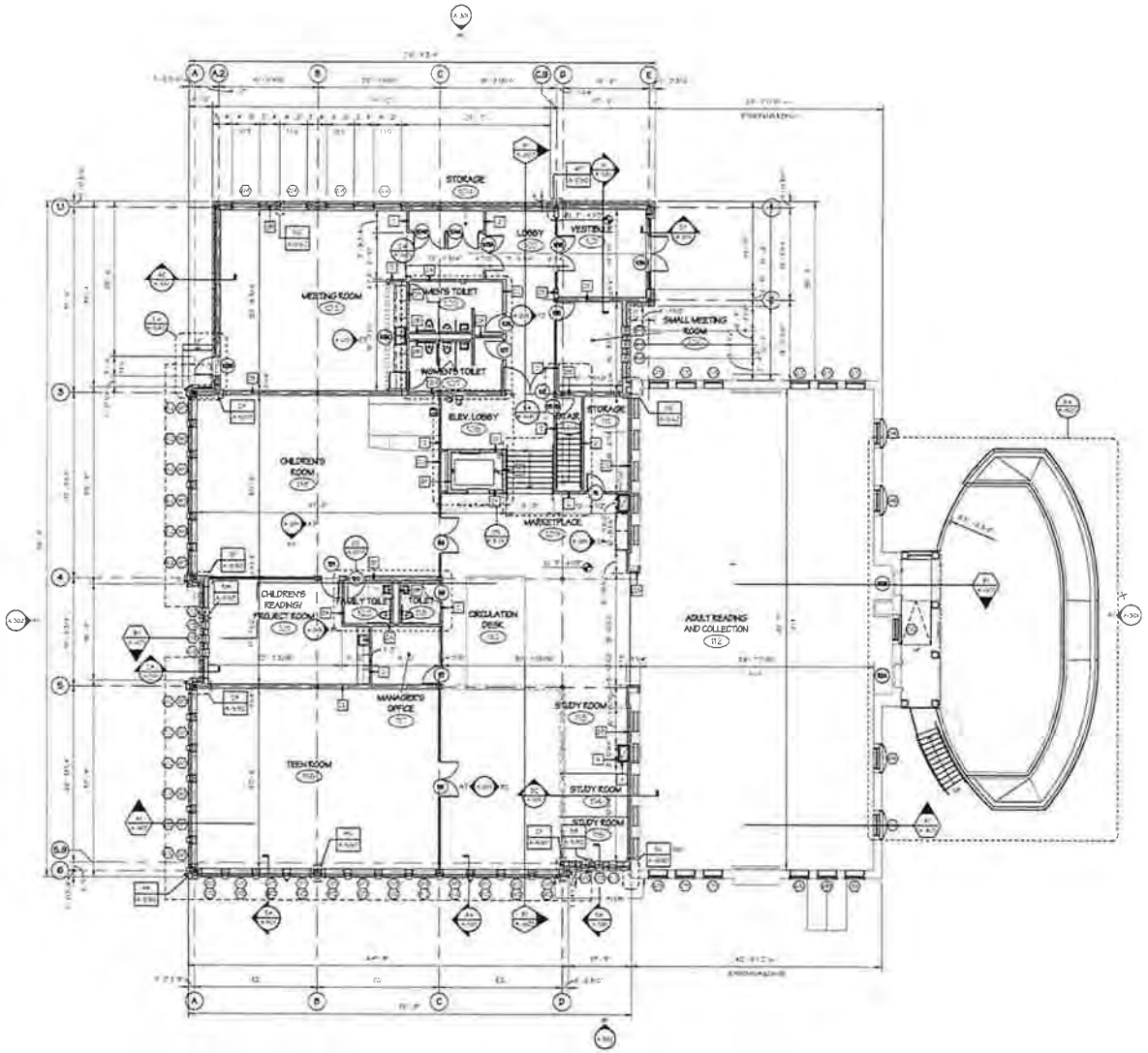
NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

BASEMENT FLOOR PLAN

| SCALE | DRAWN BY | APPROVED |
|---|---|---|
| As indicated | JLA / JC | Approver |

A-1B1

DATE: 09/29/2017 JOB NUMBER: 16010




FIRST FLOOR PLAN

N

## GENERAL CONSTRUCTION NOTES

1. [illegible]
2. ALL CONTRACTORS SHALL VISIT THE PROJECT SITE AND BE FAMILIAR WITH EXISTING CONDITIONS AND SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE BEFORE SUBMITTING A BID.
3. ALL CONTRACTORS TO HAVE ATTENDED A PRE-BID WALK-THROUGH MEETING.
4. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL SUPERVISION AND PROCUREMENT OF MATERIALS BEFORE STARTING WORK.
5. ALL CONTRACTORS SHALL OBTAIN ALL BUILDING PERMITS AND FEES REQUIRED FOR THEIR DISCIPLINE.
6. ALL DIMENSIONS ARE TO FACE OF FINISH OR TO CENTERLINE OF STRUCTURE UNLESS OTHERWISE NOTED. ANY DISCREPANCIES NOTED IN FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK.
7. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR THE ACCURACY OF LAYOUT PRIOR TO CONSTRUCTION. ALL DISCREPANCIES THAT MAY AFFECT THE [illegible] SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK.
8. ALL PATCHING SHALL BE PERFORMED TO MATCH ADJACENT SURFACES. [illegible] ACCORDING TO GOOD CONSTRUCTION PRACTICES.
9. ALL CONTRACTORS SHALL KEEP THE PREMISES FREE FROM ACCUMULATION OF DIRT, DEBRIS AND WASTE MATERIALS CAUSED BY THEIR OPERATIONS. REMOVE SUCH MATERIALS FROM THE SITE AT THE END OF EACH WORK DAY.
10. GENERAL CONTRACTOR SHALL COORDINATE ALL WORK INCLUDING ALL MEP SYSTEMS THROUGHOUT PROJECT. CONTACTS FOR TELEPHONE, DATA, ETC. SHALL BE PROVIDED BY OWNER OR CLIENT REPRESENTATIVE. PROVIDE SEPARATE SHEET SHOWING LOCATIONS OF ITEMS TYPICAL.
11. ALL FINISHES, MATERIALS, ETC. TO BE SELECTED BY ARCHITECT. SUBMIT SAMPLES FOR APPROVAL IF ANY SUBSTITUTIONS ARE PROPOSED.
12. ALL CONTRACTORS ARE TO BE COMPLETELY FAMILIAR WITH THEIR PARTICULAR DISCIPLINE. THE NOTES ABOVE APPLY TO ALL.
13. FURNISH AND INSTALL FRAMELESS, GLASS DOOR AND DOOR HARDWARE AS REQUIRED FOR ACCESS TO ALL NEW BUILDING SYSTEMS (VALVES, ETC.) REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR LOCATIONS AND ADDITIONAL INFORMATION.
14. PROVIDE AND INSTALL ALL CONCEALED WOOD BLOCKING (FIRE TREATED) WITHIN WALLS AS NECESSARY FOR ALL SURFACE MOUNTED ITEMS (BOARDS, ETC.) INCLUDING BUT NOT LIMITED TO: TOILET ACCESSORIES, CASEWORK, MILLWORK, ACCESSORIES, ETC.
15. ALL MARKED REQUIRED EXISTING EQUIPMENT & ELECTRICAL SHALL BE OUT & OWNER AND/OR PHYSICAL OR REMAIN. ALL LIKE IN KIND OR EQUAL SHALL BE PROVIDED TO MATCH EXISTING AND IN THE SAME AREA.
16. ALL POWER, DATA/PHONE AND SECURITY/ACCESS DIRECT RECEPTACLE TO BE COORDINATED BY THE CONTRACTOR PRIOR TO ROUGH-IN.
17. [illegible]
18. [illegible]

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# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

FIRST FLOOR PLAN

| SCALE | DRAWN BY | IN REVIEW BY |
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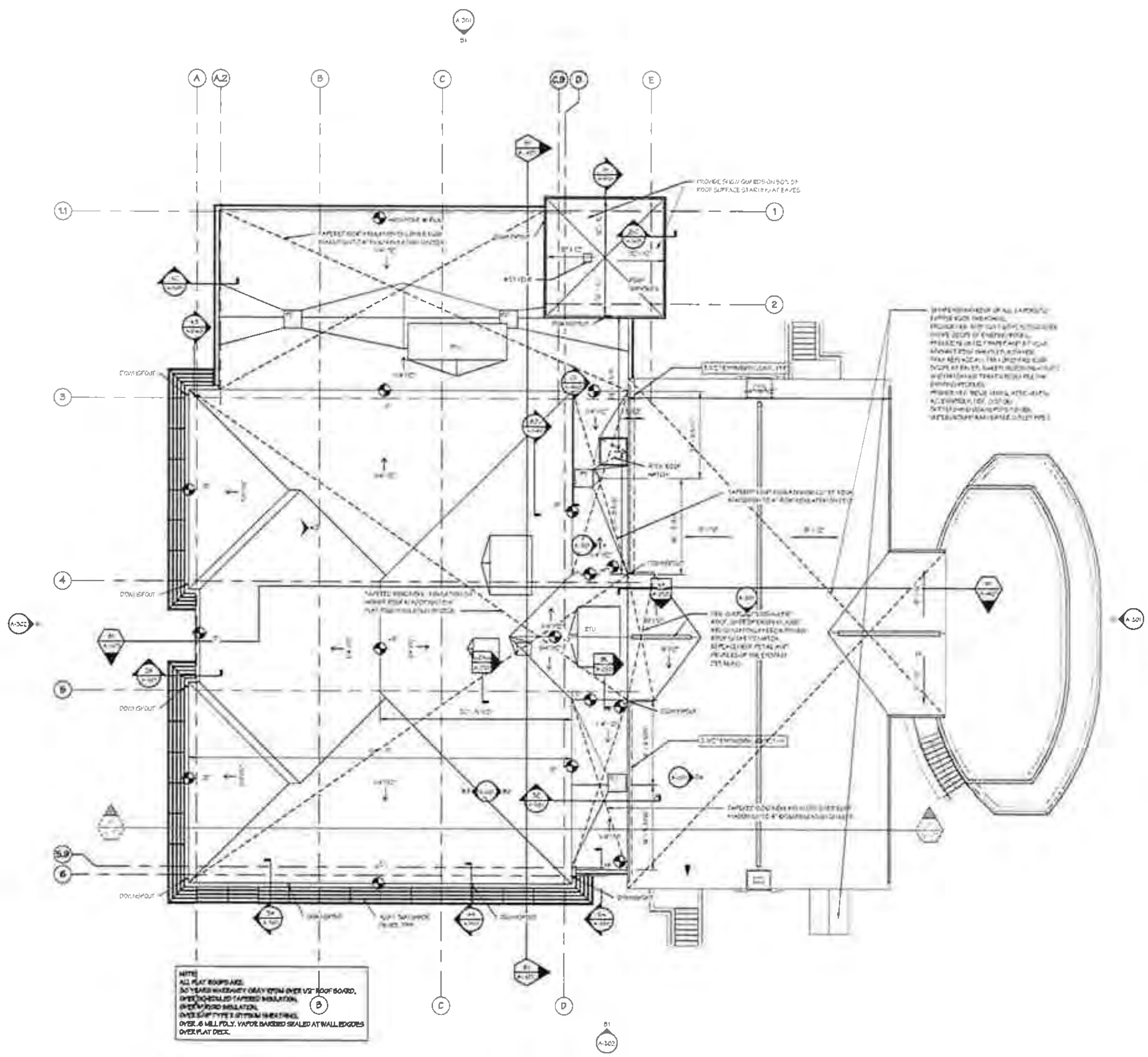
| As Indicated | JLA / IC | Approved |

A-101

DATE 09/21/2017 | JOB NUMBER 16010



NOTE:
ALL FLAT ROOFS ARE:
20 YEARS WARRANTY GRAY EPDM OVER 1/2" ROOF BOARD,
OVER [illegible] TAPERED INSULATION,
OVER [illegible] RIGID INSULATION,
OVER 5/8" TYPE X GYPSUM SHEATHING,
OVER .6 MILL POLY. VAPOR BARRIER SEALED AT WALL EDGES
OVER FLAT DECK.

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

## ROOF GRAPHICS LEGEND

| | |
|---|---|
| [symbol] | ROOF DRAIN SUMP WITH OVERFLOW DRAIN. SEE DETAIL [illegible] SEE PLUMBING DRAWINGS & SPECIFICATIONS FOR PRODUCT INFORMATION |
| [symbol] | ROOF DRAIN SUMP. SEE PLUMBING DRAWINGS & SPECS FOR PRODUCT INFORMATION |
| [symbol] | ROOF DRAIN SUMP TO THROUGH WALL SCUPPER DRAIN, WITH CONDUCTOR HEAD AND DOWNSPOUT |
| B.O.M.D. | BOTTOM OF METAL DECK |
| L.P. | ROOF LOW POINT |
| H.P. | ROOF HIGH POINT |
| [symbol] | TAPERED INSULATION CRICKET AT 1/2" PER FOOT |
| [symbol] | DIRECTION OF TAPERED INSULATION AT 1/2" PER FOOT |
| [symbol] | TAPERED INSULATION AT 1/2" PER FOOT |
| [symbol] | DIRECTION OF STRUCTURAL SLOPE |
| [symbol] | ROOF TOP UNIT. SEE MECHANICAL DRAWINGS |
| EF | EXHAUST FAN. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS |
| [symbol] | WALK PADS |

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755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ROOF PLAN

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|---|---|---|
| As indicated | MG/JC | Approver |

A-1R1

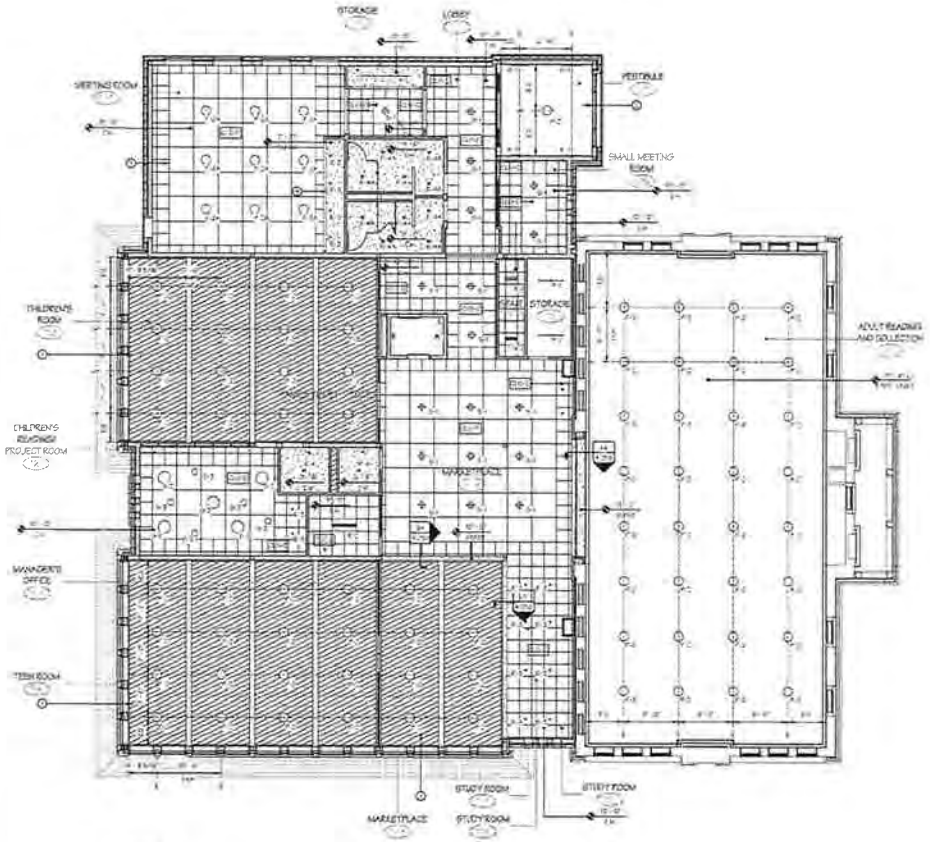
| DATE | JOB NUMBER |
|---|---|
| 09/29/2017 | 16010 |

## GENERAL CEILING CONSTRUCTION NOTES

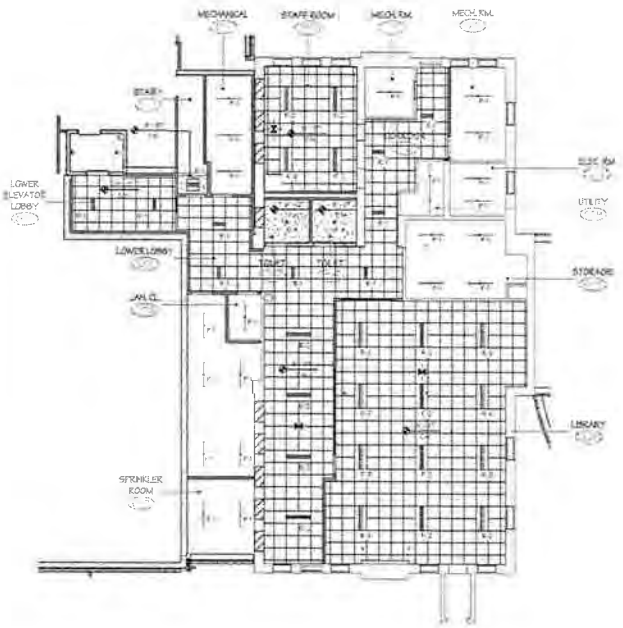
A. REFER TO SPECIFICATIONS FOR CEILING TYPES AND FINISHES
B. ALL PERIMETER TILES THAT DO NOT BE CUT SHALL BE REGULARIZED TO MATCH FACTORY 2D AS REQUIRED FOR TILE TO LAY LEVEL
C. ALL CEILING HEIGHTS SHALL BE AS NOTED ON CEILING PLAN
D. ALL CEILINGS TO BE HOLDED TO BE SEEN IN FIGURE 1 NOTES
E. ALL LAY IN CEILINGS SHALL BE 2D FIRST PRIMARY ROOM OR SPACE UNLESS OTHERWISE INDICATED ON THE DRAWINGS
F. ALL ACOUSTICAL CEILING TILES SHALL BE 1 LOG AND 0.1
G. ALL RCP'S WITHIN CEILING TYPE INDICATED ARE TO BE SPECIFIED STRUCTURE ABOVE UNLESS OTHERWISE INDICATED ON THE DRAWINGS
H. COORDINATE HIGHLINGS LAYOUT SYNTHACTICAL CONDITIONS IN FIELD AND CONSULT WITH ARCHITECT IN LAYOUT REQUIRED CHANGES
I. ALL DIMENSIONS TO BE SHALL BE CENTERED ON THE SPACE OF ROOM 1 OR 0.1

## CEILING NOTES

1. EXPOSED WOOD DECK CEILING - HEIGHT 15' - 2" APP.
2. EXPOSED WOOD CEILING - HEIGHT 24' - 10" APP.
3. ELECTRONIC OPERATED PROJECTION SCREEN RECESSED ABOVE ACOUSTICAL CEILING
4. MANUALLY OPERATED OVERHEAD GRILLE DOOR RECESSED ABOVE GYPSUM BOARD CEILING




FIRST FLOOR REFLECTED CEILING PLAN




BASEMENT REFLECTED CEILING PLAN

## CEILING SYMBOLS LEGEND

- NEW DIFFUSIONS (CAL-FIL NO FRESH AIR ROD)
- NEW 24" DIA. LED RECESSED FIXTURE
- NEW 24" DIA. LED RECESSED FIXTURE
- NEW 24" DIA. LED SURFACE MOUNTED FIXTURE - COLOR
- NEW 10" DIA. LED SURFACE MOUNTED FIXTURE - COLOR

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NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

BASEMENT AND FIRST FLOOR REFLECTED CEILING PLAN

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|---|---|---|
| As indicated | AEM | Approver |

A-201

| DATE | PROJECT NO. |
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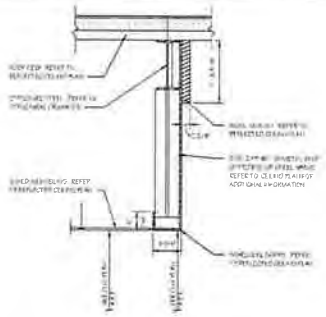
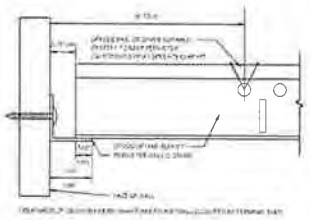
| 09/29/2017 | 16010 |



D4 SOFFIT DETAIL
SCALE: 3/4" = 1'-0"



D5 TYPICAL PERIMETER CEILING GRID - SEISMIC DETAIL
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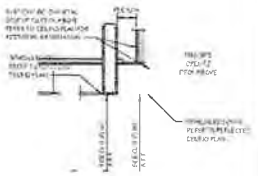

C5 SOFFIT DETAIL
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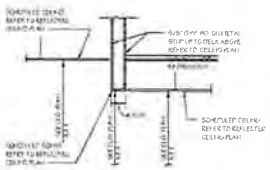

B5 SOFFIT DETAIL
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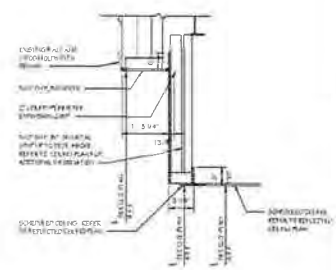

A4 SOFFIT DETAIL
SCALE: 3/4" = 1'-0"

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# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

DRAWING TITLE: CEILING DETAILS

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|---|---|---|
| As indicated | ILA | Approver |

DRAWING NO.: A-250

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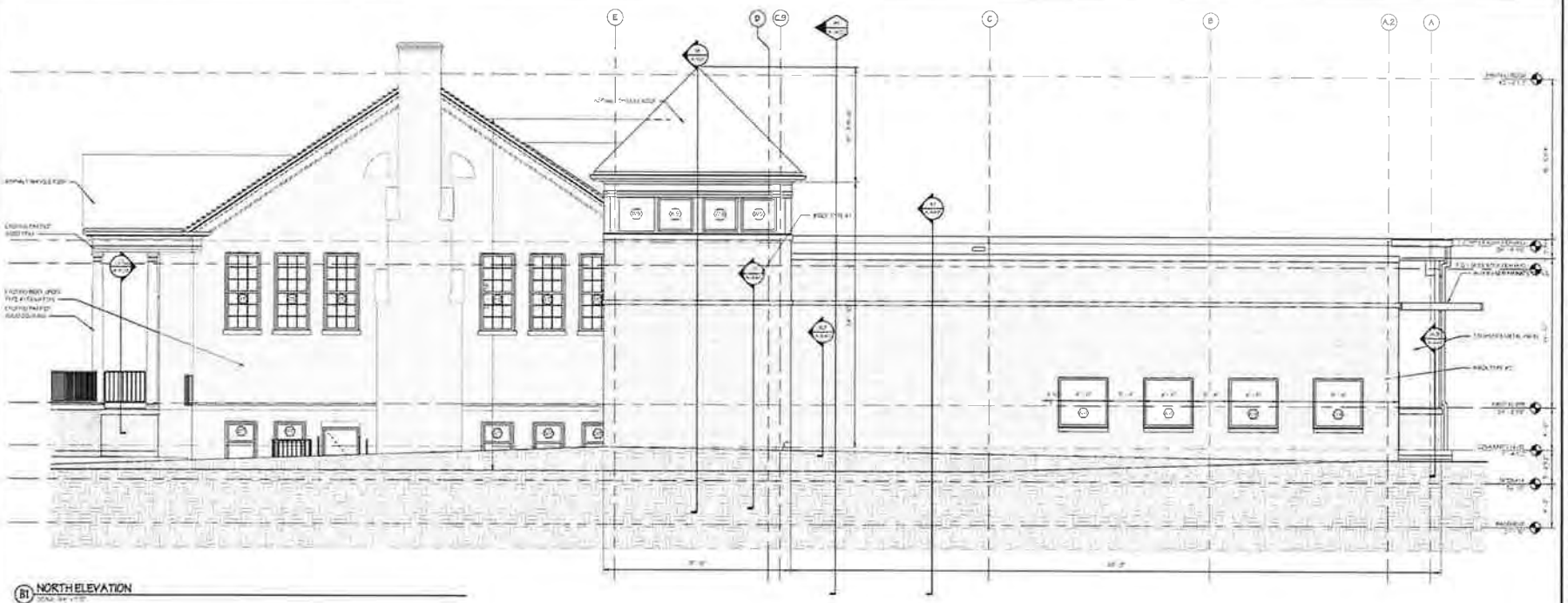
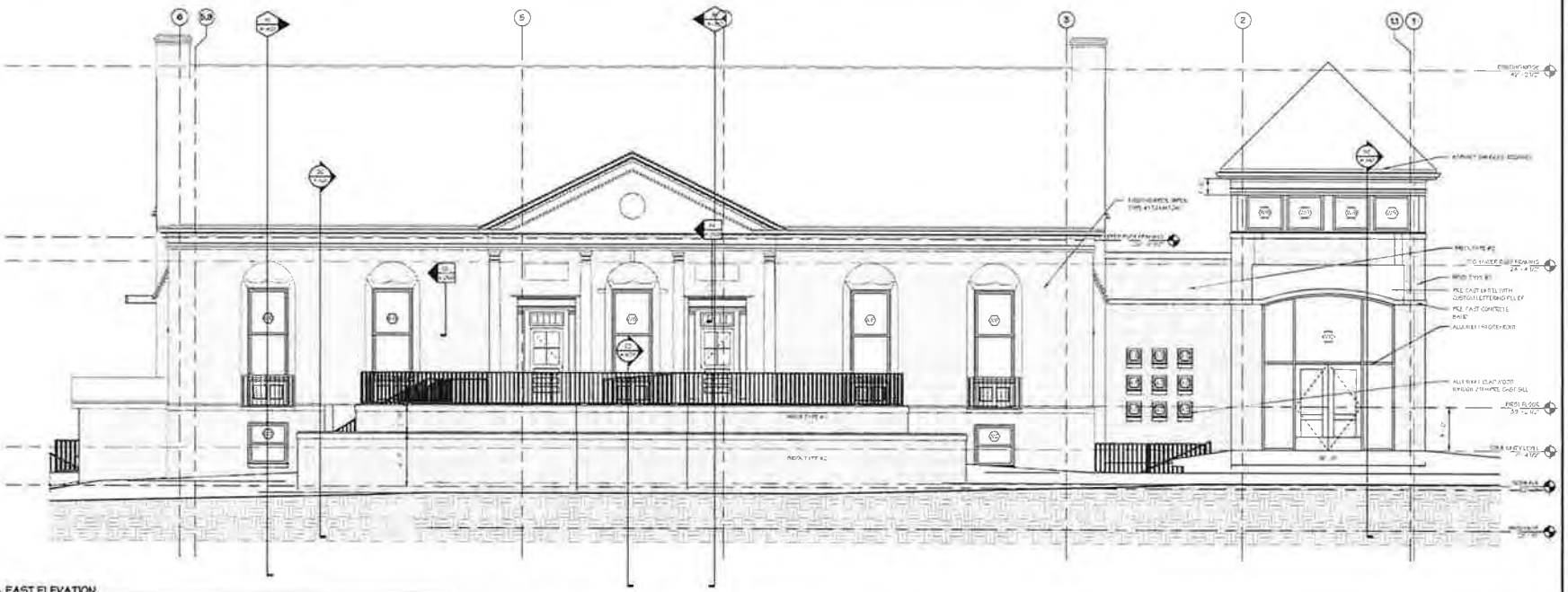


B1 NORTH ELEVATION



A1 EAST ELEVATION

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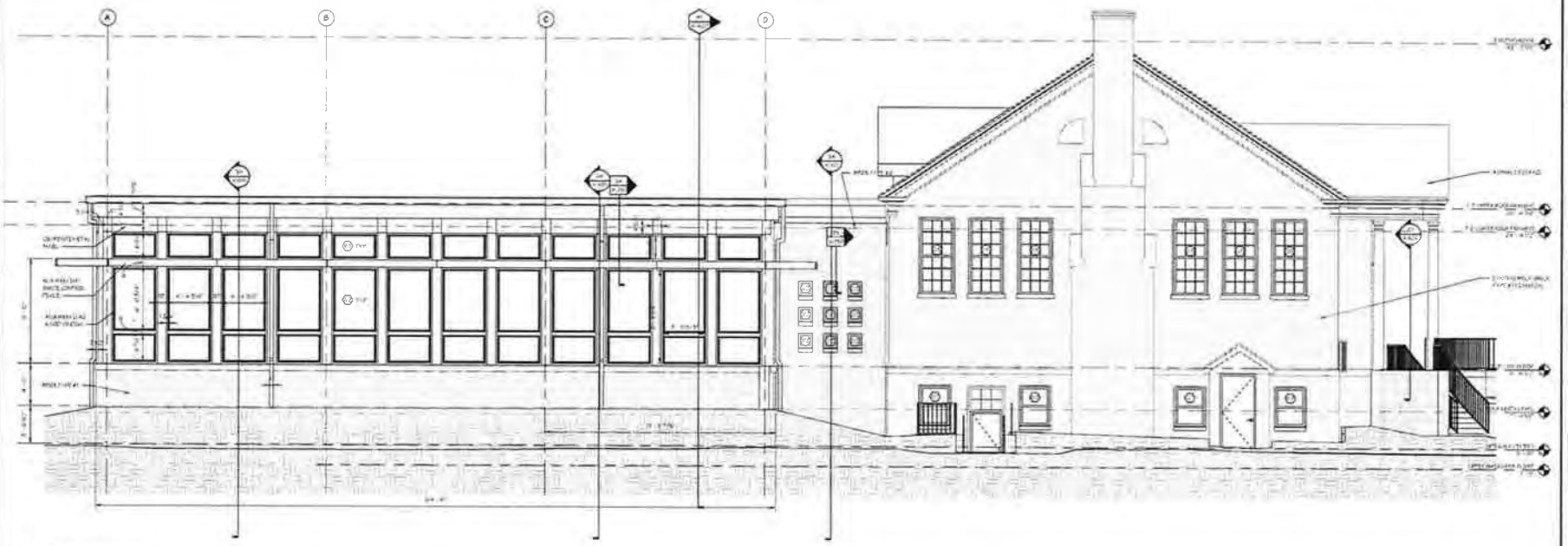
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

EXTERIOR ELEVATIONS

A-301

09/29/2017



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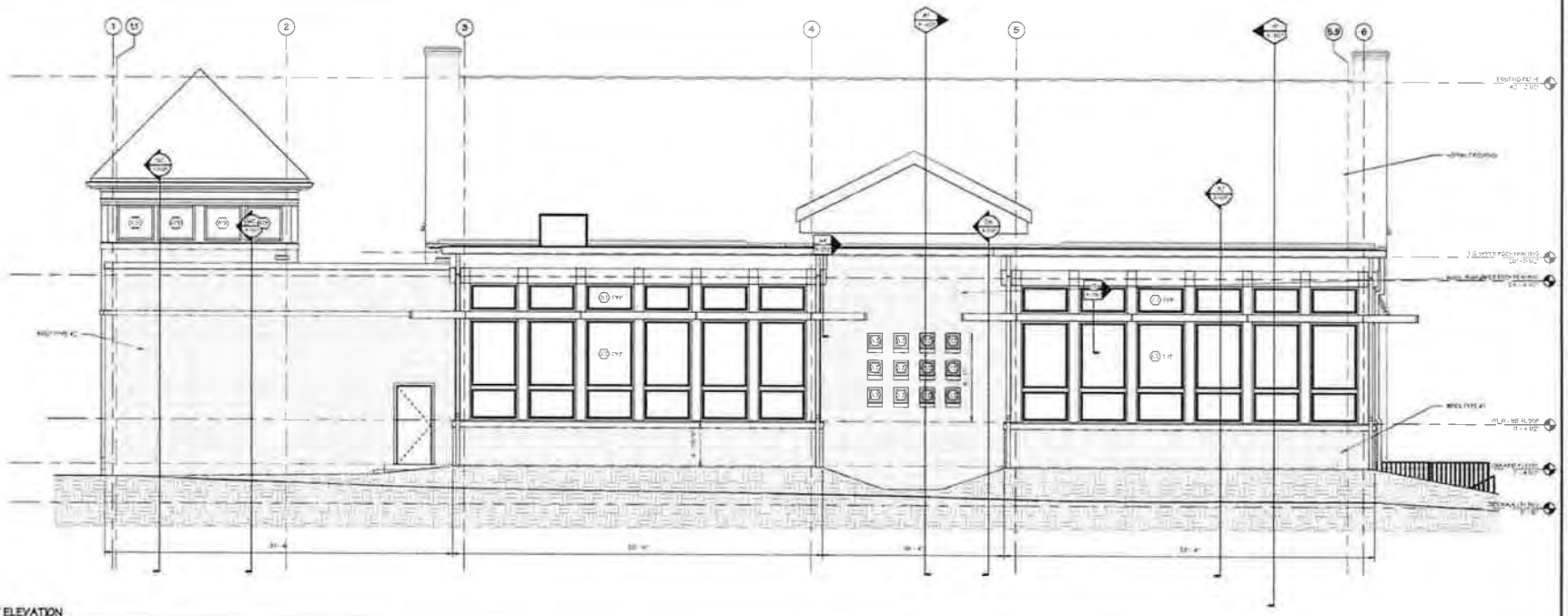

A1 WEST ELEVATION

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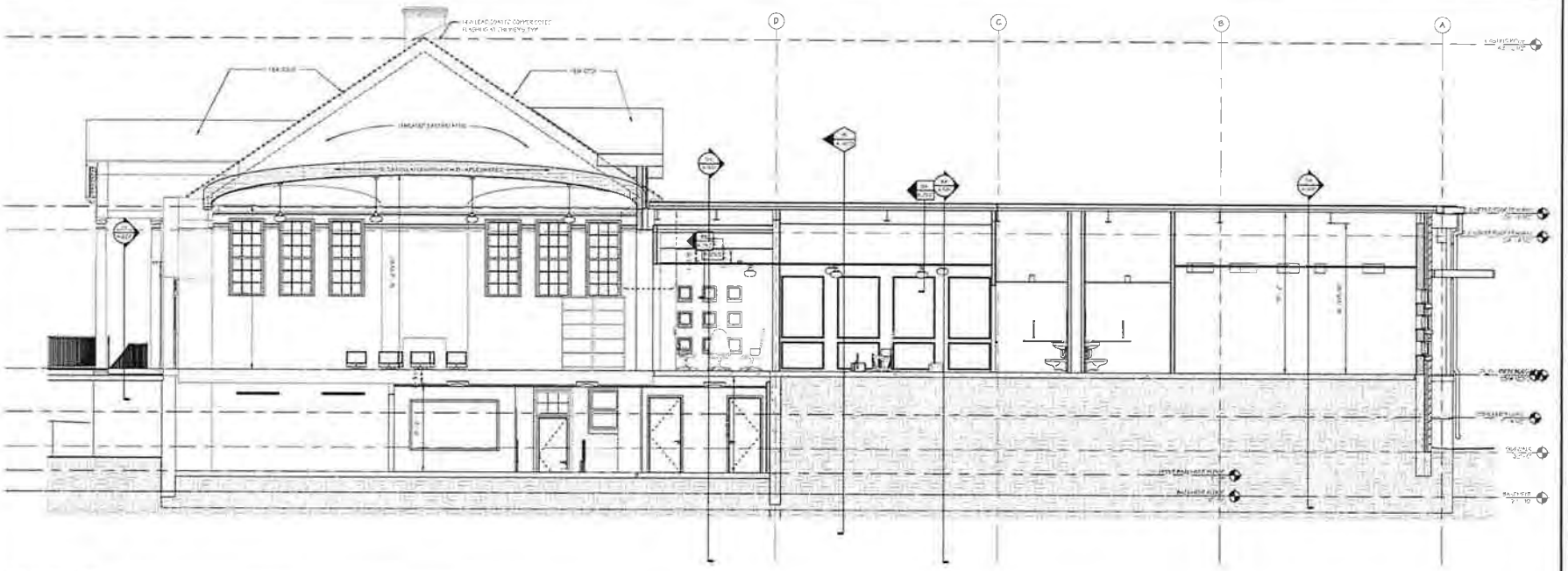
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

EXTERIOR ELEVATIONS

A-302

09/29/2017



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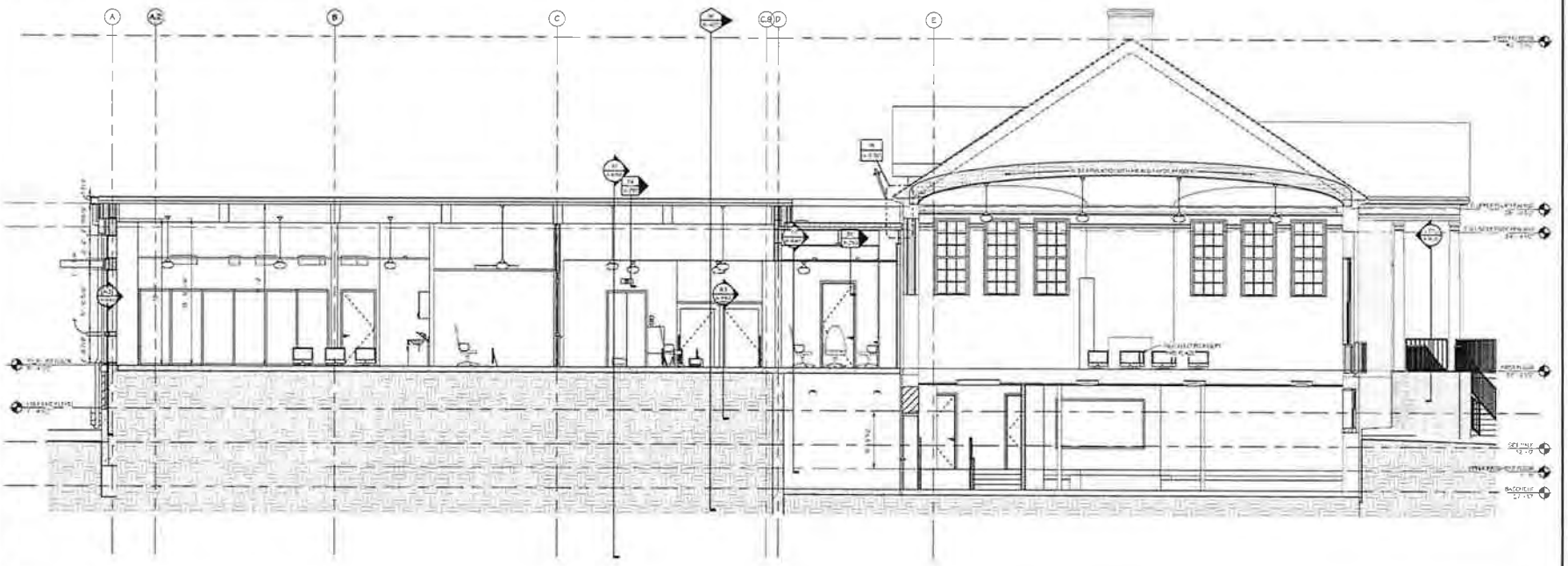

A1 BUILDING SECTION

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NO. DATE DESCRIPTION

# BRIDGEPORT LIBRARY

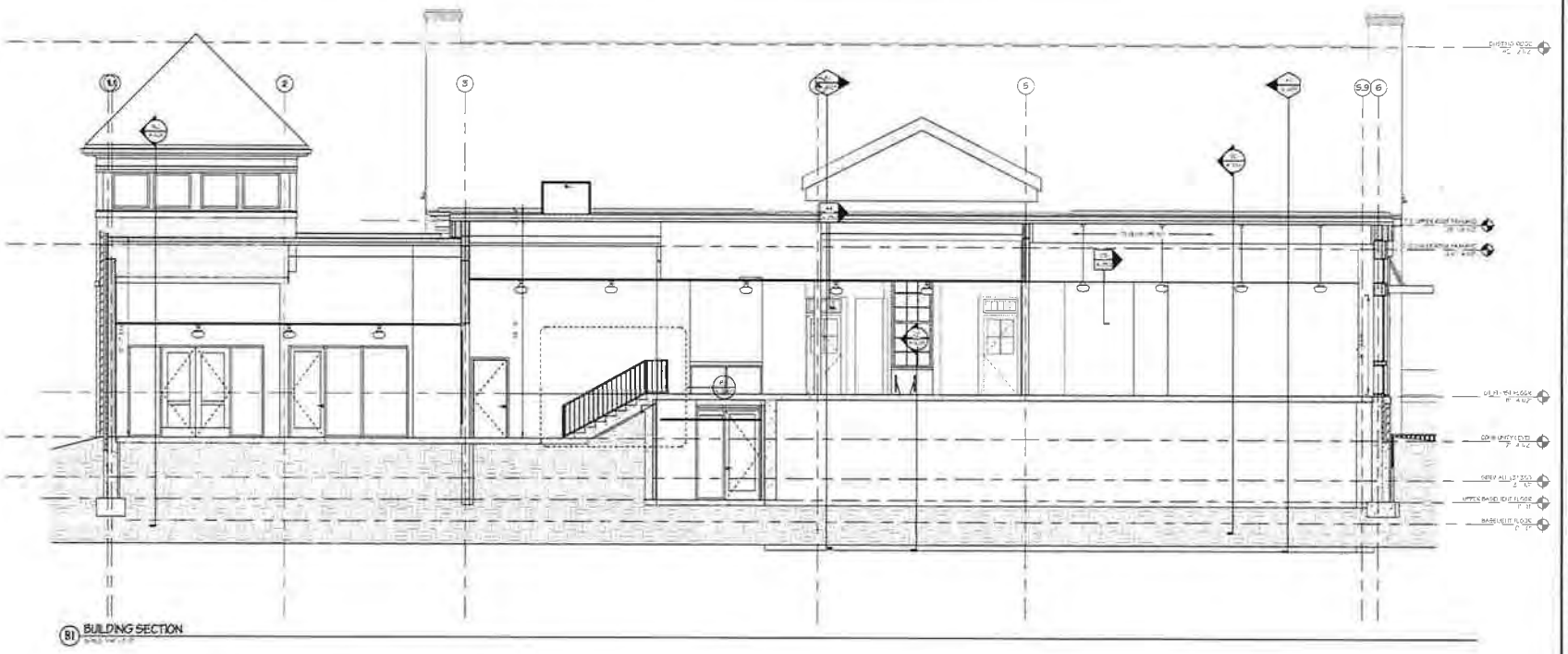
NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

DRAWING TITLE
BUILDING SECTIONS

SCALE 1/4" = 1'-0" | DRAWN BY Author | CHECKED BY Approver

DRAWING NO.
A-401

DATE 09/29/2017 | JOB NO. 1601B




B1 BUILDING SECTION

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NEWFIELD LIBRARY RENOVATIONS
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755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

BUILDING SECTIONS

SCALE: 1/8" = 1'-0"
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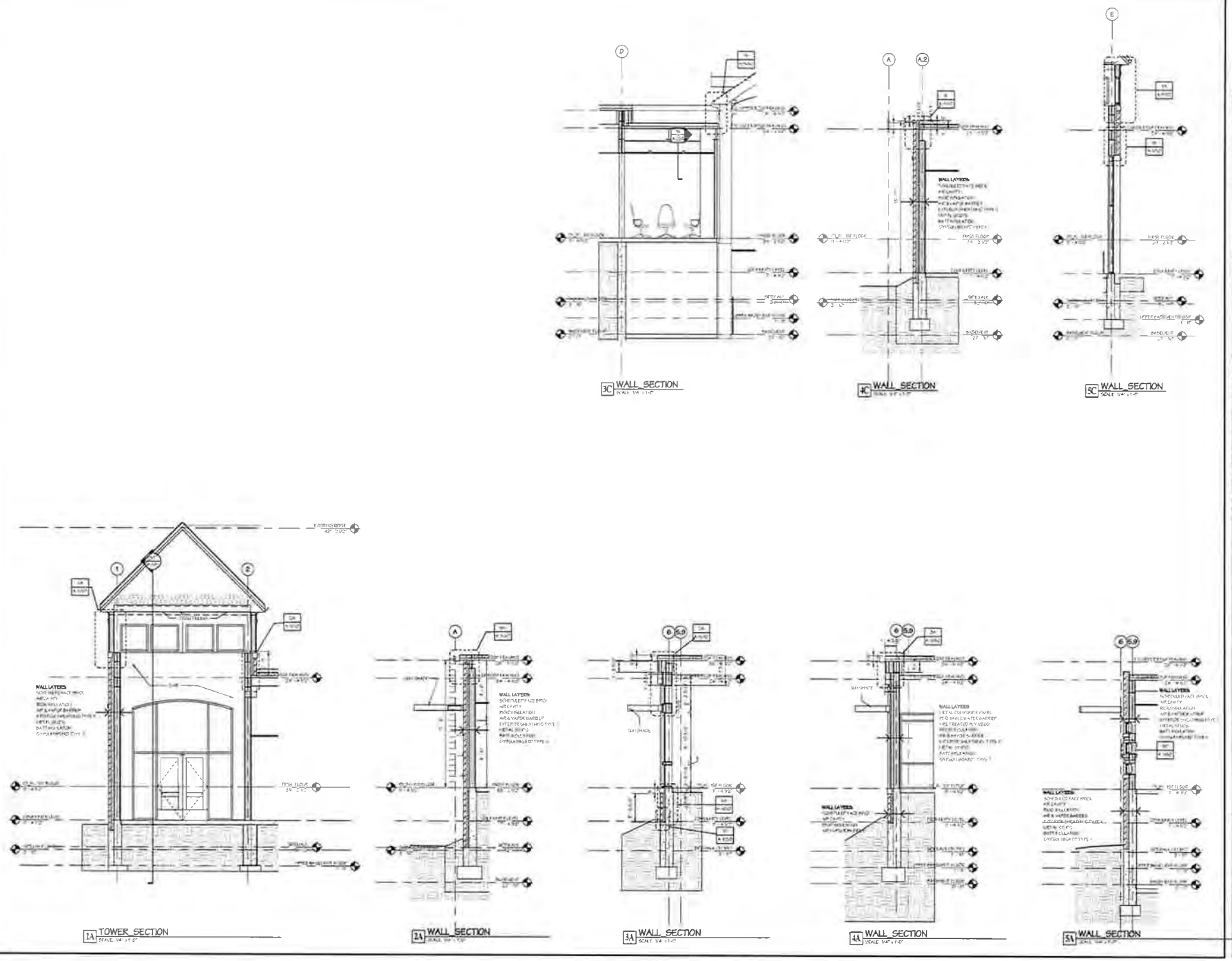
CHECKED BY: Approver

DRAWING NO.
A-402

DATE: 09/29/2017
JOB NO.: 16010

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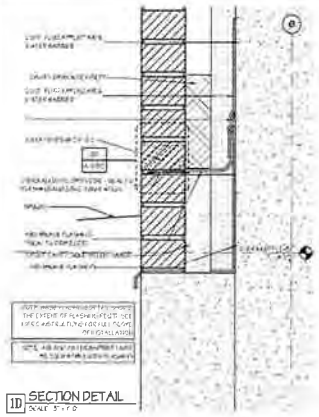
NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

WALL SECTIONS

1/4" = 1'-0" | MG | Approved

A-501

09/29/2017 | 16012



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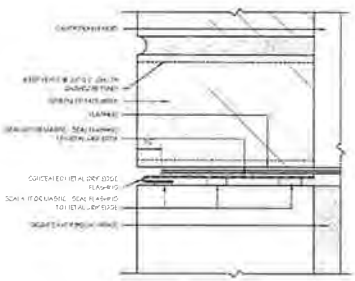

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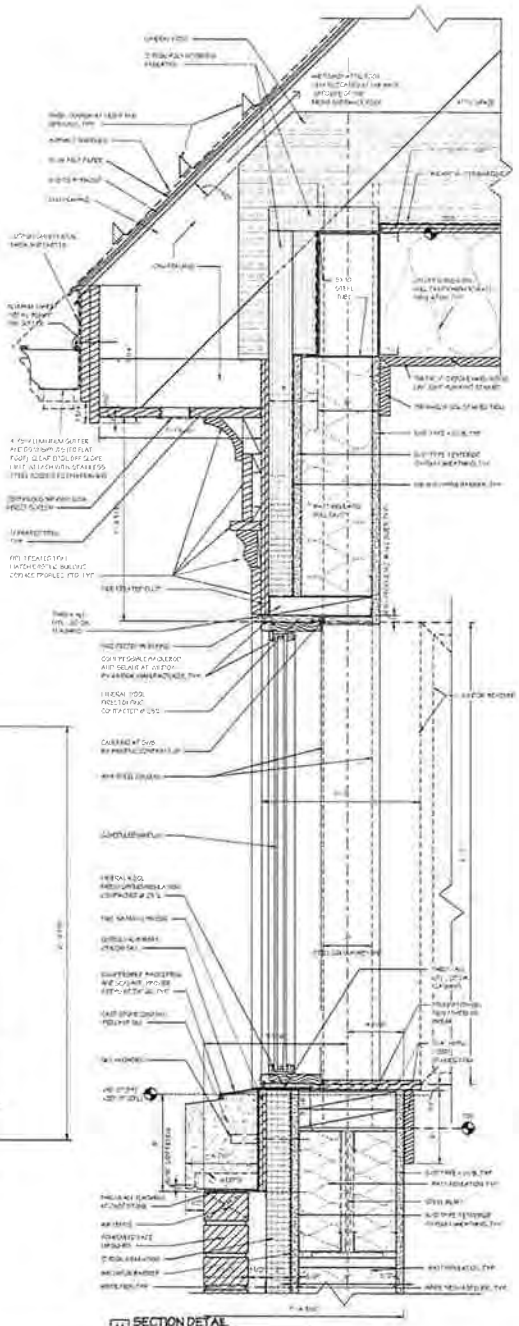

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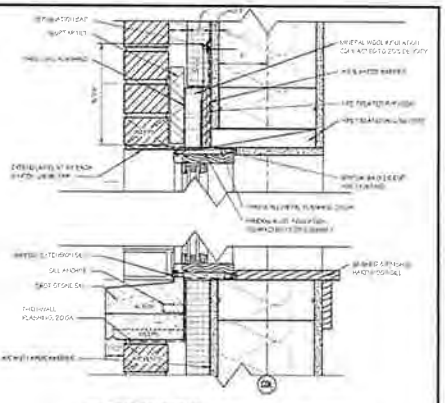

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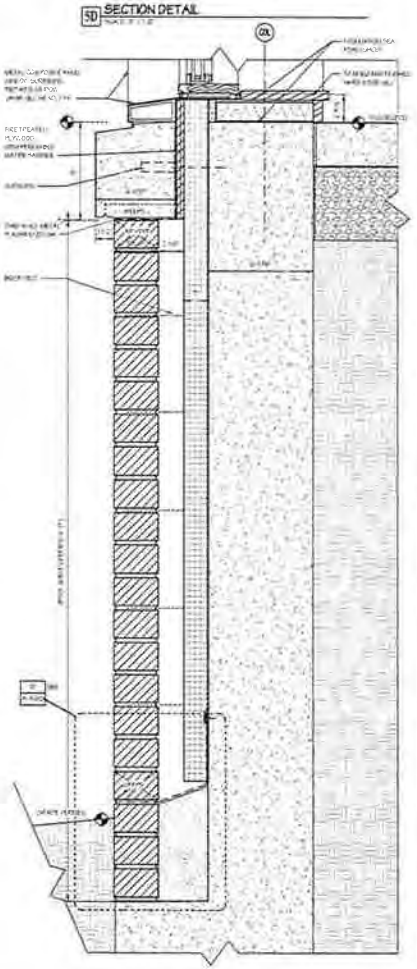

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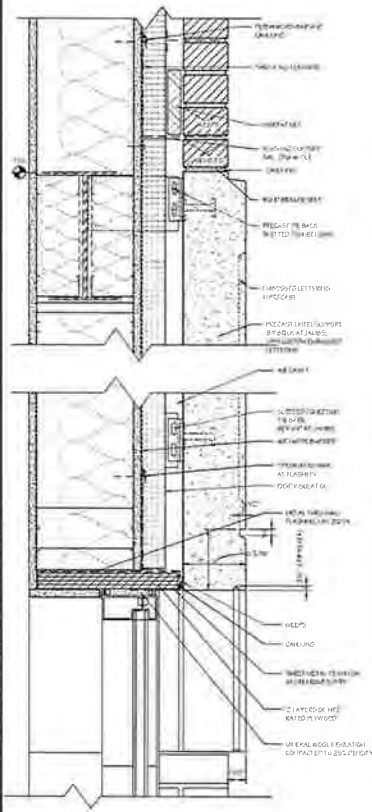

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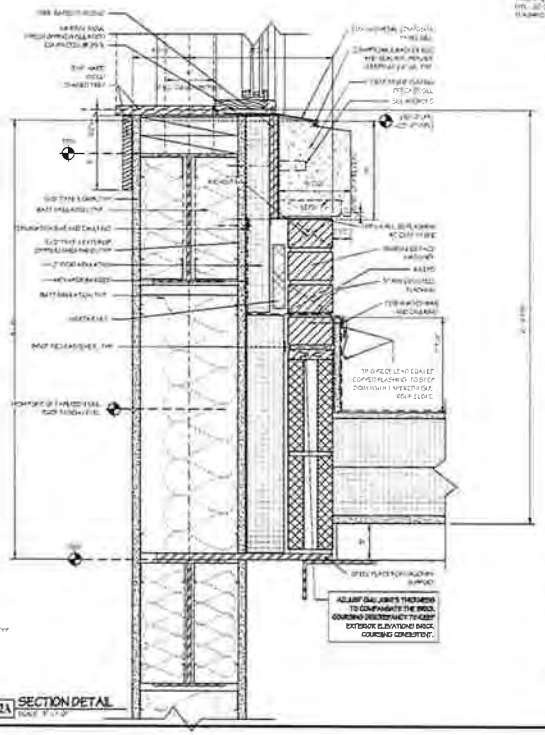

2A SECTION DETAIL
SCALE: 3" = 1'-0"

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DES. DEV. SET
29 SEPTEMBER 2017

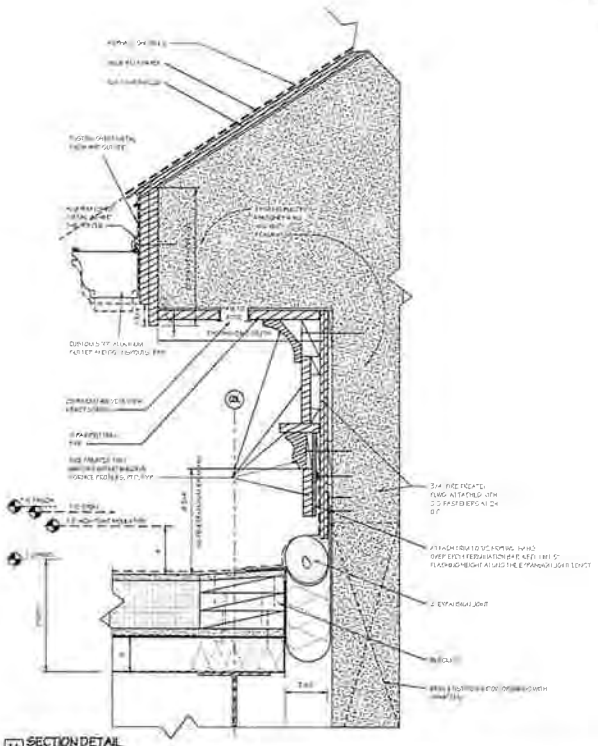
BRIDGEPORT LIBRARY
NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

DRAWING TITLE:
SECTION DETAILS

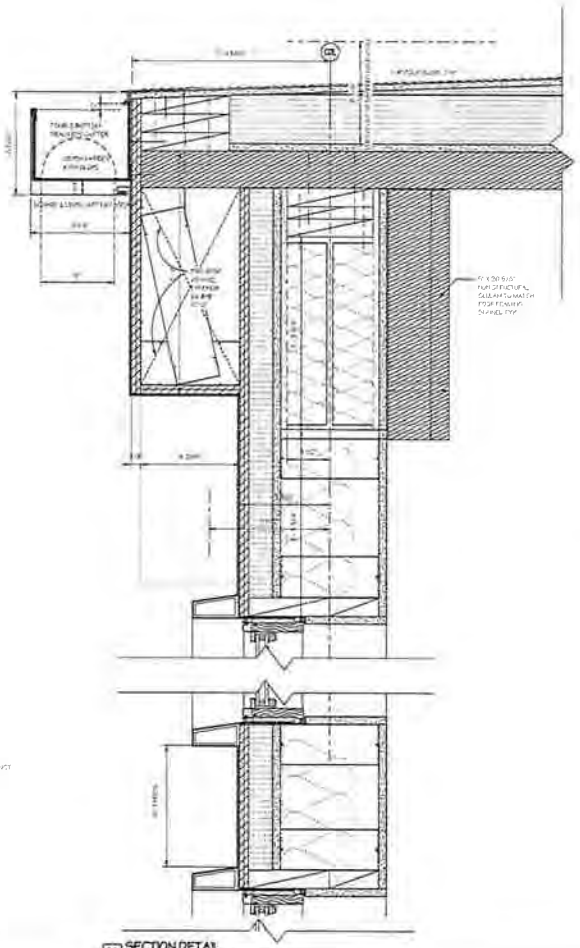
SCALE: As indicated
DRAWN BY: MG
CHECKED BY: Approved

DRAWING NO.
A-550

DATE: 09/29/2017
JOB NO.: 16010



4A SECTION DETAIL



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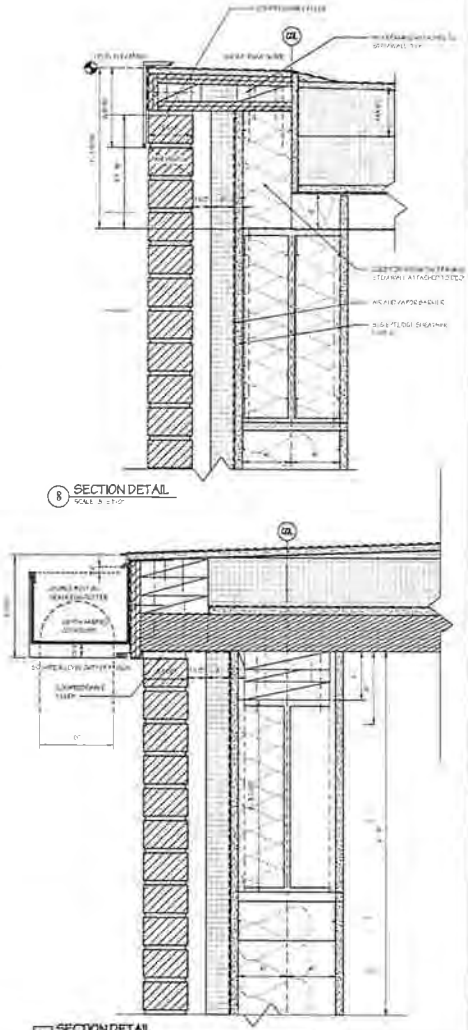


8 SECTION DETAIL

5A SECTION DETAIL

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

DES. DEV. SET
19 SEPTEMBER 2017

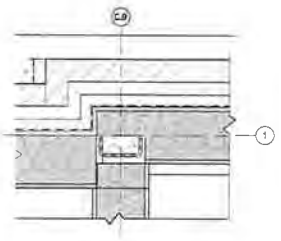
BRIDGEPORT LIBRARY
NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ROOF DETAILS

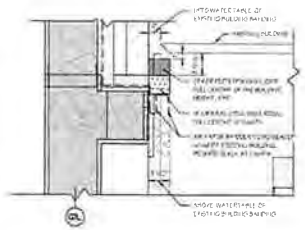
SCALE: 3" = 1'-0"
DRAWN BY: MG
APPROVED BY: Antinozzi

A-580

BRIDGEPORT
16018



4D PLAN DETAIL



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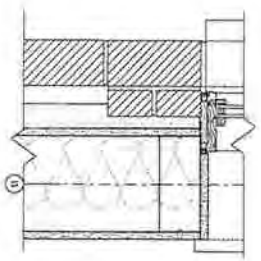

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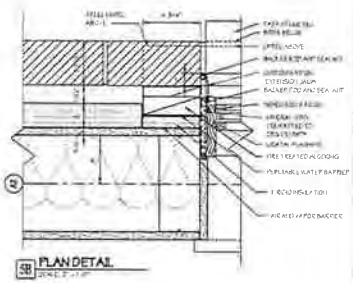

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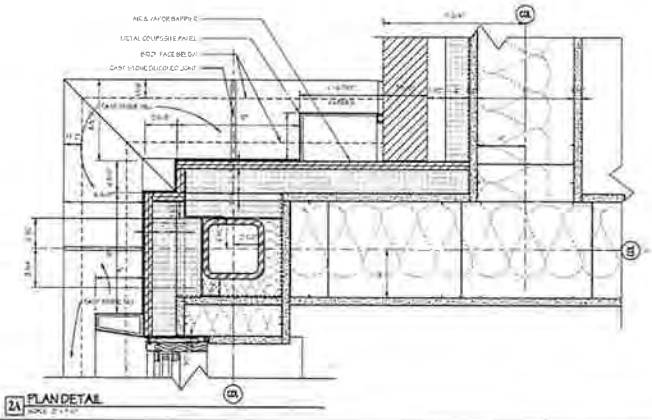

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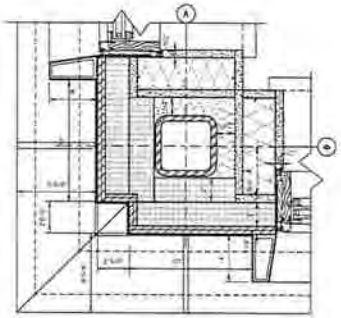

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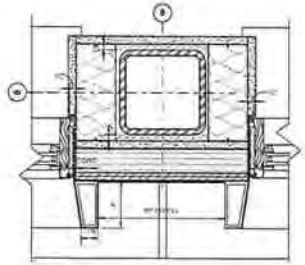


A5 PLAN DETAIL

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

DES. DEV. SET
19 SEPTEMBER 2017
NOT FOR CONSTRUCTION

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

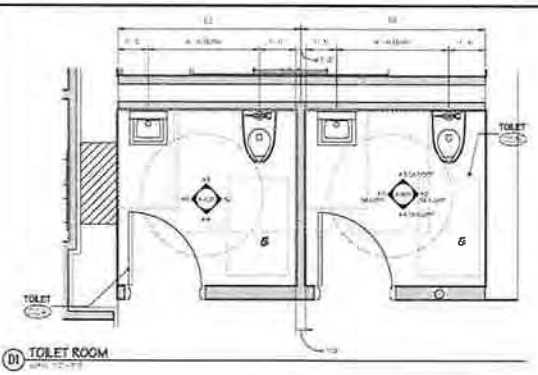
NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

COLUMN ENCLOSURE PLANS/DETAILS

| SCALE | DRAWN BY | PROJECT NO. |
|---|---|---|
| As indicated | MG | Approved |

A-590

| DATE | |
|---|---|
| 09/29/2017 | 16010 |

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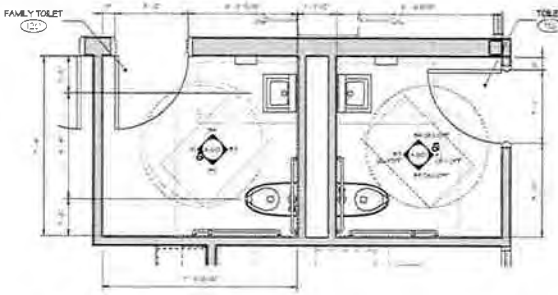


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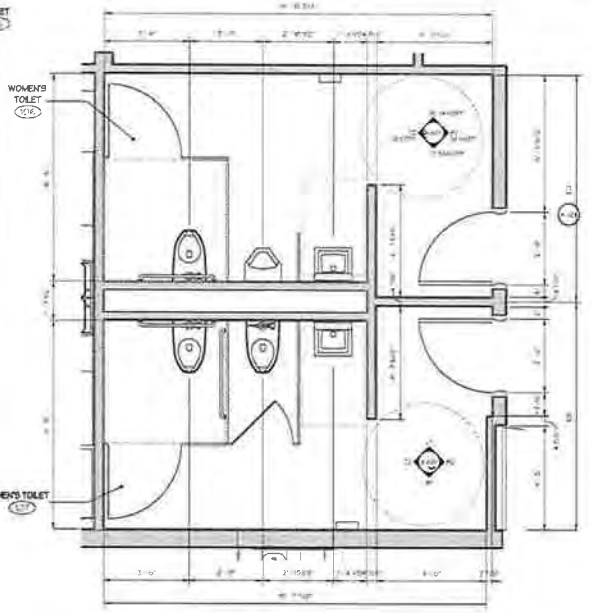
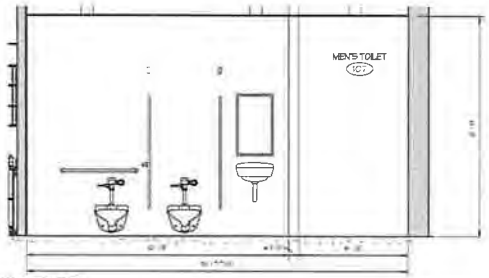



C4 TOILET ROOM

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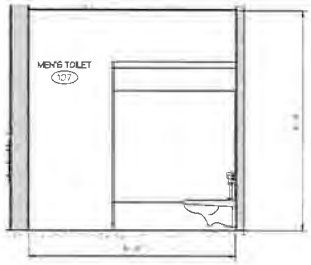


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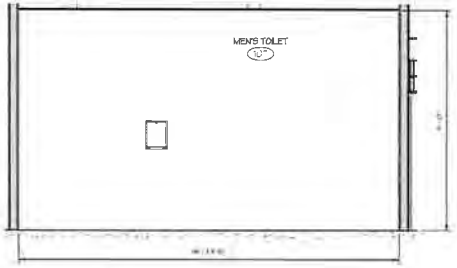


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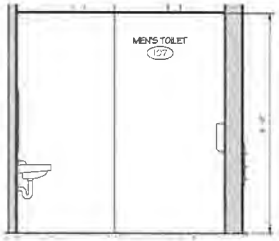


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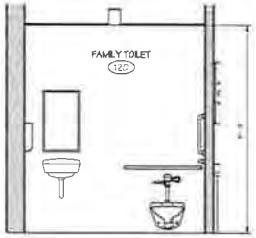
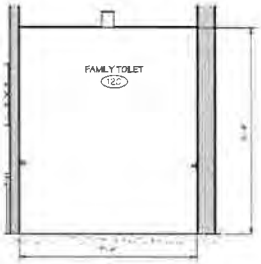


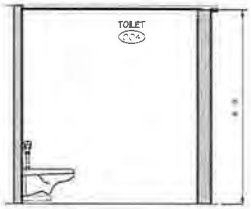

B3 INTERIOR ELEVATION

B4 INTERIOR ELEVATION

B5 INTERIOR ELEVATION




A1 INTERIOR ELEVATION

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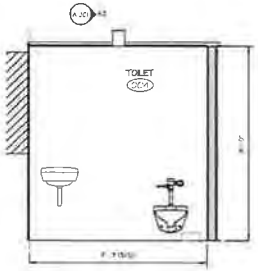


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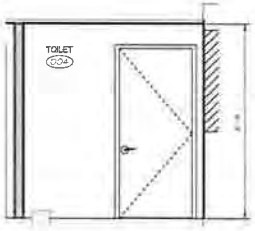



A4 INTERIOR ELEVATION

A5 INTERIOR ELEVATION

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

DES. DEV. SET
27 SEPTEMBER 2017
NOT FOR CONSTRUCTION

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

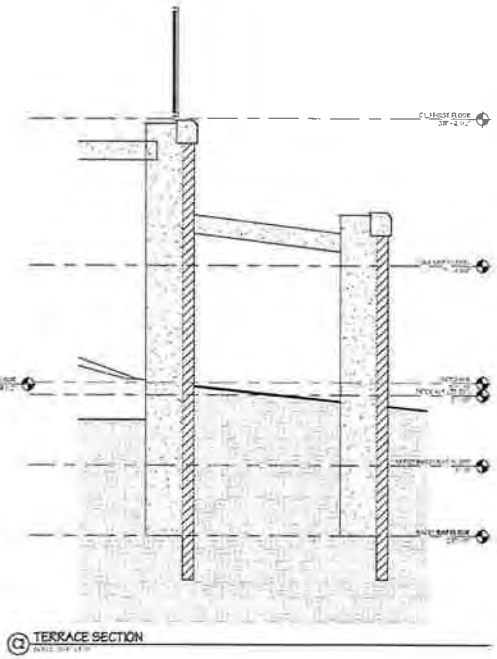
ENLARGED TOILET ROOM PLANS, ELEVATIONS AND DETAILS

SCALE: 1/2" = 1'-0" | DRAWN BY: Author | APPROVED BY: Approver

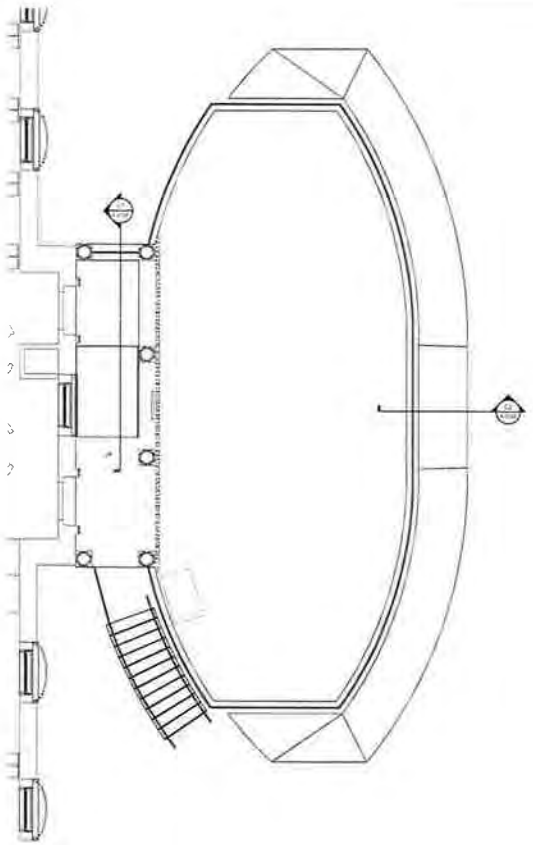
A-601

09/29/2017 | 16010

1 TERRACE RAMP SECTION



2 TERRACE SECTION



B4 01_FLP - TERRACE

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

DES. DEV. SET
14 SEPTEMBER 2017
NOT FOR CONSTRUCTION

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

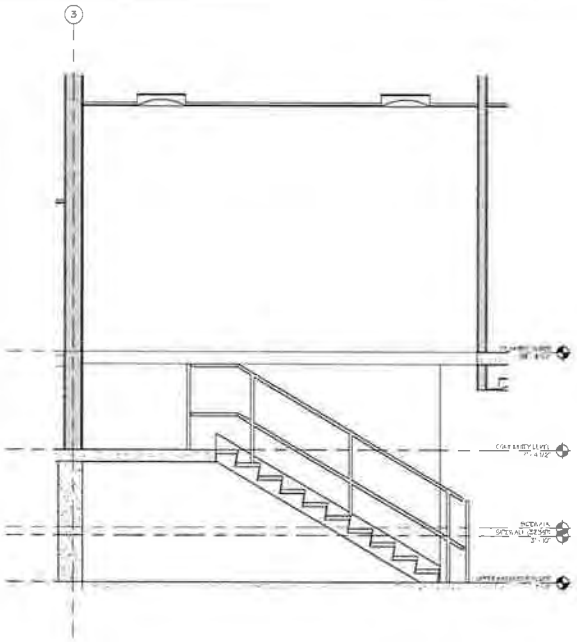
NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ENLARGED PLANS, ELEVATIONS AND DETAILS

| SCALE | DRAWN BY | REVIEW BY |
|---|---|---|
| As indicated | Author | Approver |

A-620

JOB NUMBER
1610



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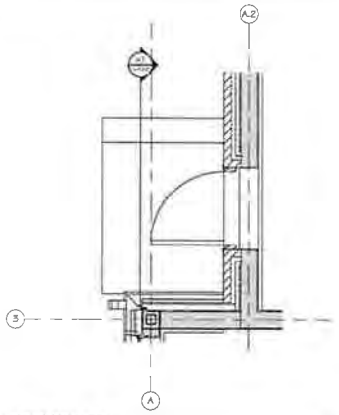

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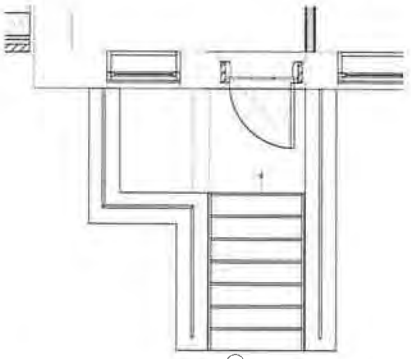
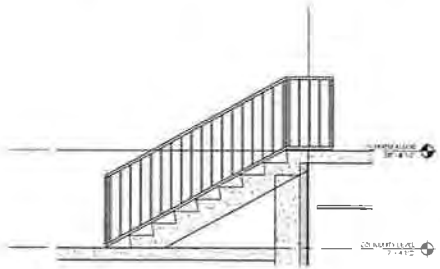


C5 LOWER STAIR PLAN



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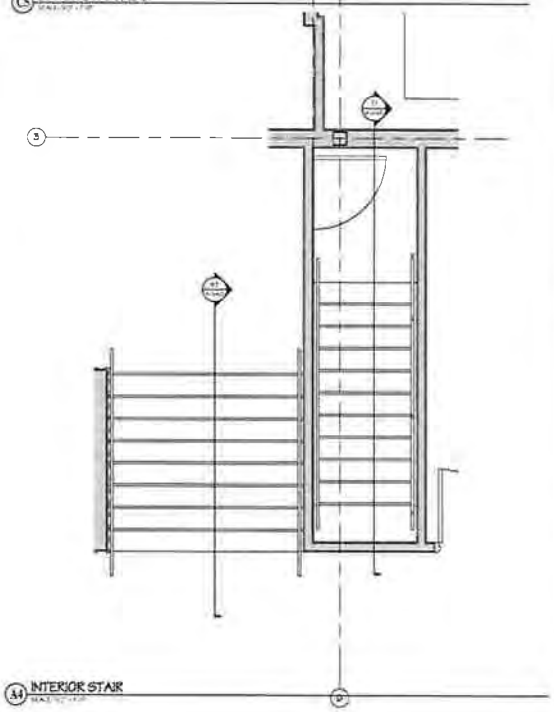
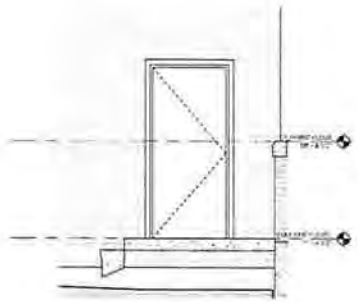


A4 INTERIOR STAIR



A3 EXTERIOR STAIR SECTION

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

PROGESS SET
30 JANUARY 2019
NOT FOR CONSTRUCTION

DIVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

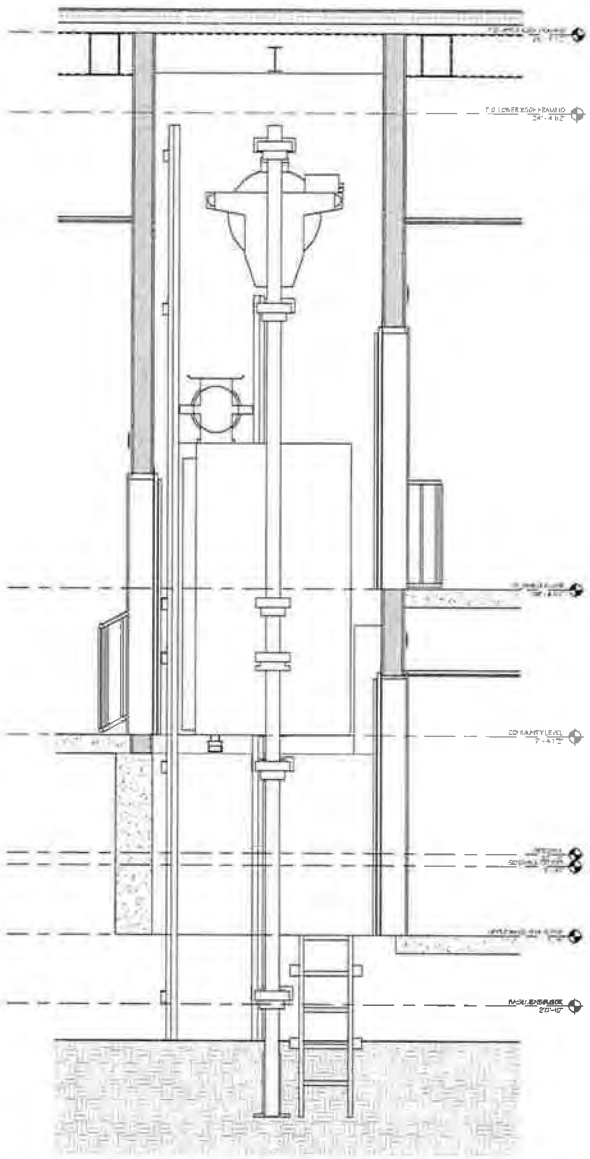
NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ENLARGED STAIR PLANS, SECTIONS AND DETAILS

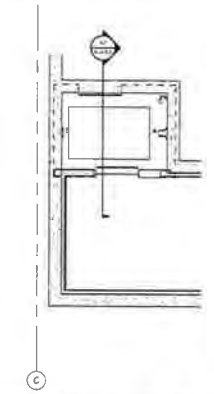
| | | |
|---|---|---|
| 1/4" = 1'-0" | Author | |

A-640

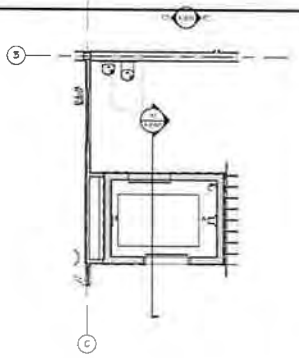
| | |
|---|---|
| | 160810 |



A1 ELEVATOR SECTION
SCALE: 3/4" = 1'-0"



D4 ENLARGED ELEVATOR-LOWER FL



D5 ENLARGED ELEVATOR-1ST FL
SCALE: 1/4" = 1'-0"

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS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Winsted, Connecticut 06098
tel: (203) 994-4490 www.antinozzi.com



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DES. DEV. SET
09 JANUARY 2018
NOT FOR CONSTRUCTION

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

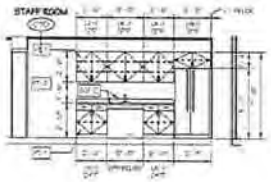
NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ELEVATOR PLANS, SECTIONS AND DETAILS

| SCALE | DRAWN BY | CHECKED / APPROVED BY |
|---|---|---|
| As indicated | Author | Approver |

A-660

| DATE | JOB NUMBER |
|---|---|
| 09/29/2017 | 1801© |

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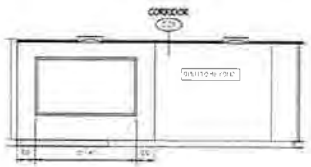


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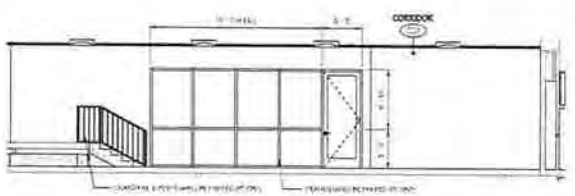
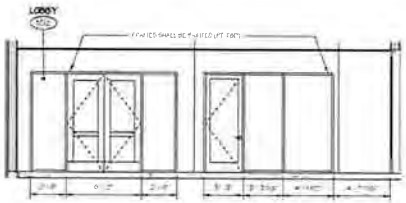
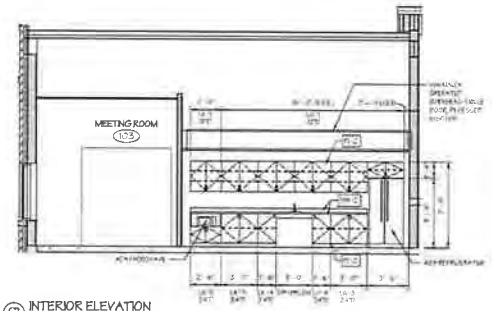



D4 INTERIOR ELEVATION




C2 INTERIOR ELEVATION

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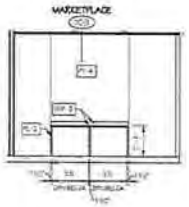


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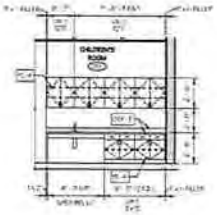

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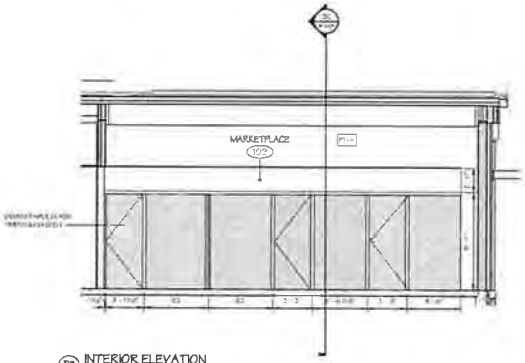
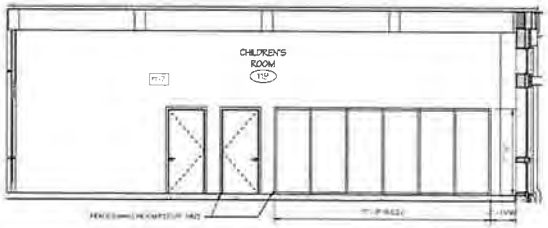



B2 INTERIOR ELEVATION

B3 INTERIOR ELEVATION

A3 INTERIOR ELEVATION




A4 INTERIOR ELEVATION

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

DES. DEV. SET
30 JANUARY 2018
NOT FOR CONSTRUCTION

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

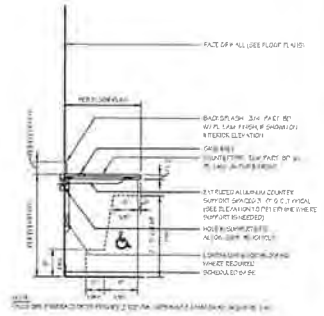
INTERIOR ELEVATIONS

| SCALE | DRAWN BY | CHECKED BY |
|---|---|---|
| 1/4" = 1'-0" | Author | Approver |

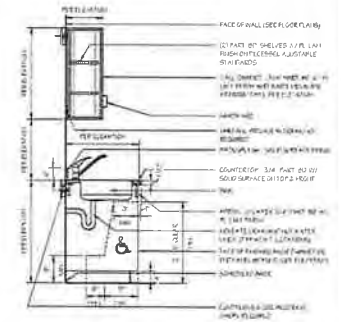
A-801

09.29.2017

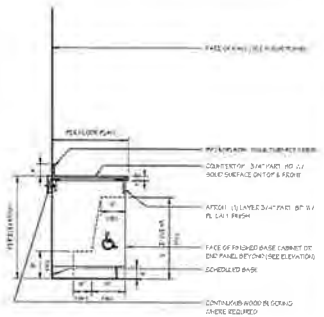
16018



C5 TYPICAL ACCESSIBLE WORKSURFACE
SCALE: 3/4" = 1'-0"



B5 ACCESSIBLE COUNTER @ SINK
SCALE: 3/4" = 1'-0"



A5 ACCESSIBLE COUNTER
SCALE: 3/4" = 1'-0"

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS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PROGRESS SET
30 JANUARY 2017
[illegible]

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

MILLWORK SECTIONS AND DETAILS

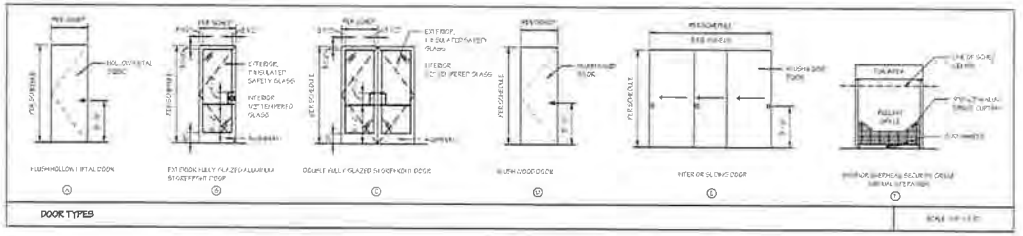
| SCALE | DRAWN BY | PL. MANAGED BY |
|---|---|---|
| 3/4" = 1'-0" | Author | Approver |

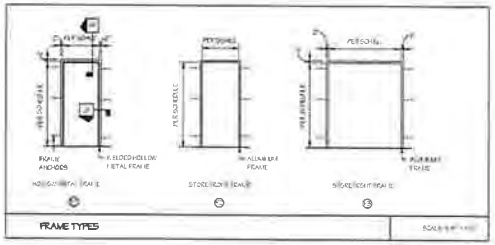
A-850

| DATE | JOB NUMBER |
|---|---|
| 09/29/2017 | 16010 |

## DOOR SCHEDULE

| DOOR NO. | SIGNAGE REQ'D | DOOR: WIDTH | DOOR: HEIGHT | DOOR: DOOR TYPE | DOOR: DOOR MATERIAL | DOOR: DOOR FINISH | FRAME: FRAME TYPE | FRAME: FRAME MATERIAL | FRAME: FRAME FINISH | FRAME: JAMB DETAIL | FRAME: HEAD DETAIL | FIRE RATING: RATED | FIRE RATING: NON-RATED | FIRE RATING: DETAIL | HARDWARE - NOT SPECIFICATIONS: FIRE DOOR: FIRE EXIT HARDWARE | FIRE DOOR: PANIC DEVICE LATCH | FIRE DOOR: PUSH/PULL LATCH | FIRE DOOR: AUTOMATIC OPERATOR | FIRE DOOR: MULLION | FIRE DOOR: ASTRAGAL | ACCESSIBILITY REQUIREMENTS: LEVER HANDLES | ACCESSIBILITY REQUIREMENTS: PUSH/PULL HARDWARE | ACCESSIBILITY REQUIREMENTS: MAGNETIC CATCH | ACCESSIBILITY REQUIREMENTS: DOOR PLATES | ACCESSIBILITY REQUIREMENTS: CLOSER | ACCESSIBILITY REQUIREMENTS: MAGNETIC LOCKS | ACCESSIBILITY REQUIREMENTS: ACCESS CONTROLLED | ROOM TYPE | ROOM DESIGNATION | HARDWARE SET NO. | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 002 | | 3'-0" | 8'-0" | E | ED | - | - | - | - | - | HR | | | | | | | | | | | | | | | | | | A | LOWER ELEVATOR LOBBY | 1 | |
| 005 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | A1 | CARD DEAL | 6 | |
| 005A | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | | | | | | | | | | | | | | | | | | | | H | LADIES' TOILET | 5 | |
| 005B | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | | | | | | | | | | | | | | | | | | | | H | GENTS' TOILET | 5 | |
| 005BA | | 3'-0" | 7'-10" | E | ED | - | - | - | - | | | | | | | | | | | | | | | | | | | | A | LIBRARY | 7 | |
| 005BB | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | E | STAIR | 7 | |
| 005BC | | 3'-0" | 7'-0" | B | HM | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | | | 10 | |
| 007 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | A1 | STORAGE | 8 | |
| 008 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | | | | | | | | | | | | | | | | | | | | H | STORAGE | 8 | |
| 009 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | A1 | JANITOR | 8 | |
| 010 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | A | STAIR ROOM | 4 | |
| 011 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | A1 | MECHANICAL ROOM | 8 | |
| 012 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | * | | | | | | | | | | | | | | | | | A1 | MECHANICAL ROOM | 8 | |
| 013 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | * | | | | | | | | | | | | | | | | | A1 | ELECTRICAL ROOM | 8 | |
| 014 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | * | | | | | | | | | | | | | | | | | A1 | MECHANICAL ROOM | 8 | |
| 015 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | A1 | STORAGE | 8 | |
| 101A | * | 3'-0" | 8'-0" | D | ALUM. | F | - | AL | F | | | | | | | | | | | * | | | | | | | | | | | 1 | |
| 101B | * | 3'-0" | 8'-0" | - | ALUM. | S | - | AL | F | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 102 | * | 4'-0"/3'-0" | 10'-0" | D | ALUM. | F | - | AL | F | | | | | | | | | | | * | | | | | | | | | | | 1 | |
| 103A | * | 3'-0" | 8'-0" | - | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | A | MEETING ROOM | 9 | PRIVACY LOCK |
| 103B | | 3'-0" | 7'-0" | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | |
| 103C | | 16'-10" | 8'-0" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104A | * | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | A1 | STORAGE | 8 | |
| 104B | * | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | | | | |
| 105 | | 3'-0" | 8'-0" | B | ED | - | - | - | - | | | | | | | | | | | | | | | | | | | | A | SMALL MEETING ROOM | 9 | |
| 106 | | 3'-0" | 8'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | J | WOMENS | 12 | |
| 107 | | 3'-0" | 8'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | J | MENS | 12 | |
| 111 | | 3'-0" | 8'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | A1 | STORAGE | 8 | |
| 112A | | 3'-0" | 7'-0" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXISTING LOUVER, FRAME, HARDWARE, LOCK, WEATHER STRIPPING, GLASS |
| 112B | | 3'-0" | 7'-0" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXISTING LOUVER, FRAME, HARDWARE, LOCK, WEATHER STRIPPING, GLASS |
| 116 | | 3'-0" | 8'-0" | S | ED | - | - | - | - | | | | | | | | | | | | | | | | | | | | A | TEEN ROOM | 9 | |
| 117 | | 3'-0" | 8'-0" | B | ED | - | - | - | - | | | | | | | | | | | | | | | | | | | | H | MANAGER'S OFFICE | 9 | |
| 118 | | 3'-0" | 8'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | H | LADIES' TOILET | 5 | |
| 119 | | 3'-0" | 8'-0" | B | ED | - | - | - | - | | | | | | | | | | | | | | | | | | | | A | CHILDREN'S ROOM | 9 | |
| 120 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | H | FAMILY TOILET | 5 | |
| 121 | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | A | CHILDREN'S READING ROOM | 3 | |
| 122A | | 3'-0" | 7'-0" | B | HM | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | E | STAIR | 8 | |
| 122B | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | E | STAIR | 8 | |
| 201A | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | | | | | | | | | | E | STAIR | 8 | |
| 201B | | 3'-0" | 7'-0" | A | WD | F | 1 | HM | F | JL | HR | | | | | | | | | * | | | | | | | | | E1 | STAIR | 2 | |




ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

DES. DEV. SET
29 SEPTEMBER 2017

# BRIDGEPORT LIBRARY

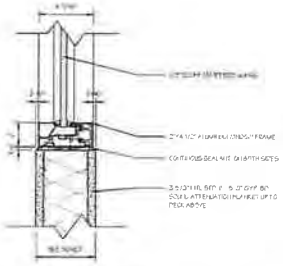
NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

DOOR SCHEDULE, TYPES AND ELEVATIONS

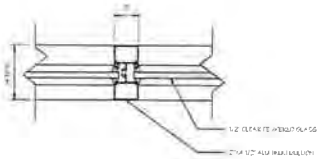
| SCALE | DRAWN BY | REVIEWED BY |
|---|---|---|
| 1/4" = 1'-0" | Author | Approver |

A-901

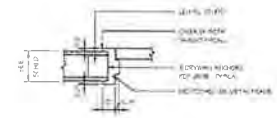
| DATE | JOB NUMBER |
|---|---|
| 09/29/2017 | 16010 |



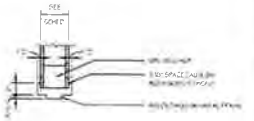
S1 INTERIOR WINDOW SILL DETAIL



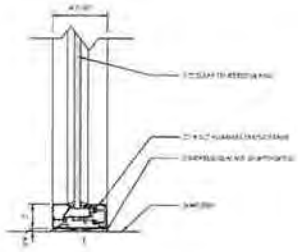
J5 WINDOW MULLION DETAIL



J1 INTERIOR DOOR JAMB DETAIL - TYPICAL



H1 INTERIOR DOOR HEAD DETAIL - TYPICAL



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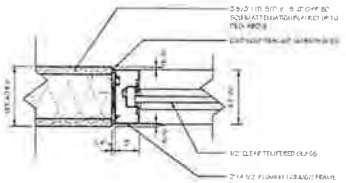
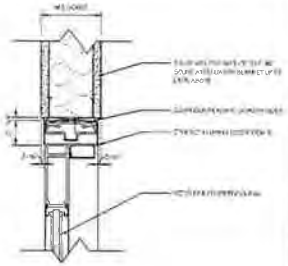
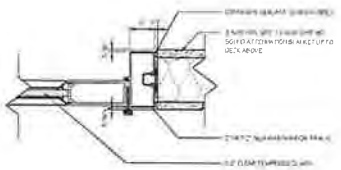


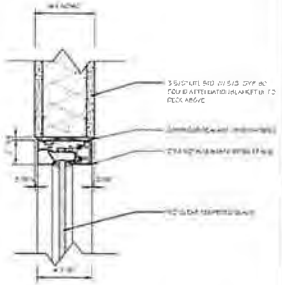
J2 INTERIOR WINDOW JAMB DETAIL



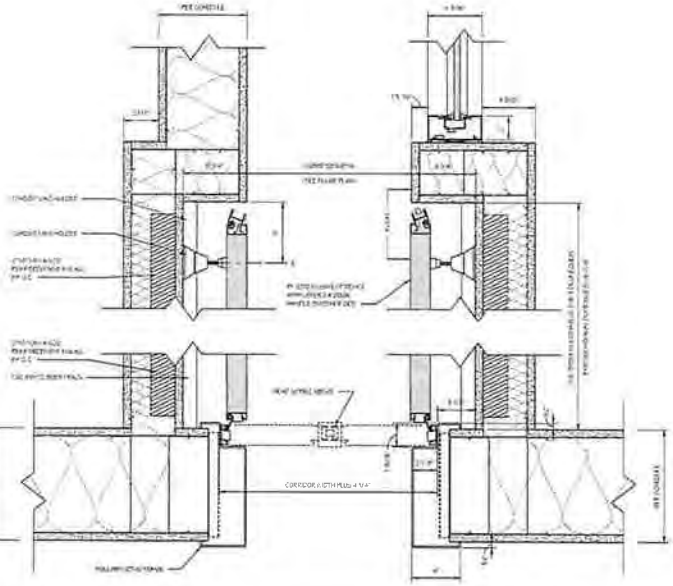
H2 INTERIOR DOOR HEAD DETAIL



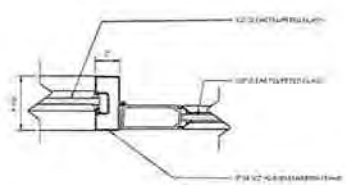
J3 INTERIOR DOOR JAMB DETAIL



H3 INTERIOR WINDOW HEAD DETAIL



A1 POCKET DOOR



J4 INTERIOR DOOR JAMB DETAIL

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DES. DEV. SET
29 SEPTEMBER 2017

# BRIDGEPORT LIBRARY

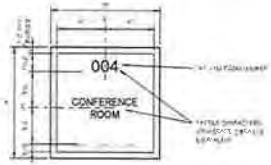
NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

DOOR DETAILS

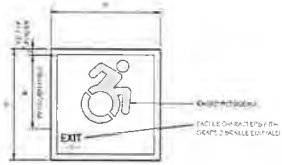
| SCALE | DRAWN BY | REVIEWED BY |
|---|---|---|
| As indicated | JLA | Approver |

A-950

09/29/2017 | 16010




SIGN TYPE 'A' SERIES
SCALE: 3" = 1'-0"

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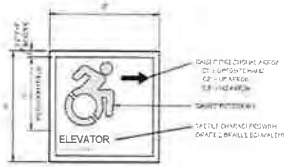
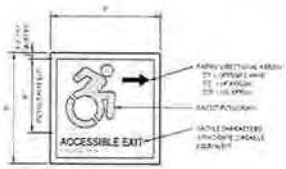



SIGN TYPE 'C' SERIES
SCALE: 3" = 1'-0"




SIGN TYPE 'D' SERIES
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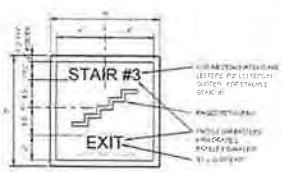


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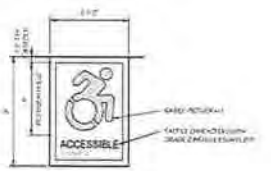
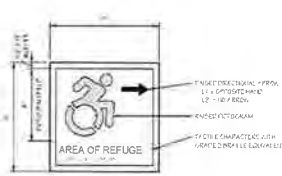



SIGN TYPE 'F'
SCALE: 3" = 1'-0"

SIGN TYPE 'G'
SCALE: 3" = 1'-0"

SIGN TYPE 'H' SERIES
SCALE: 3" = 1'-0"

SIGN TYPE 'J' SERIES
SCALE: 3" = 1'-0"

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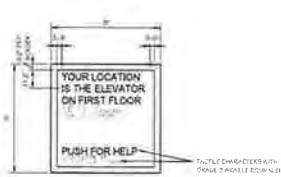
SCALE: 3" = 1'-0"

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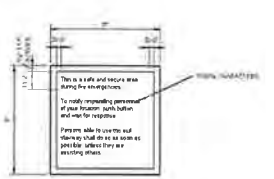


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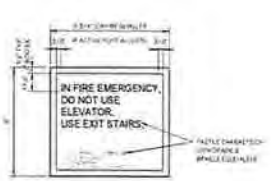
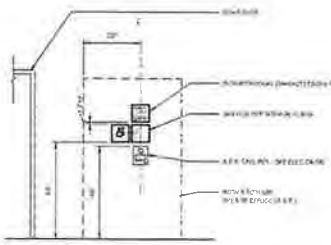


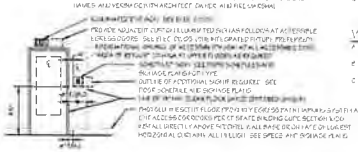

SIGN TYPE 'P'
SCALE: 3" = 1'-0"

SIGN TYPE 'Q'
SCALE: 3" = 1'-0"

SIGN TYPE 'K'
SCALE: 3" = 1'-0"



TYPICAL A.O.R. SIGN LOCATIONS
SCALE: 1/8" = 1'-0"



TYPICAL SIGN LOCATIONS AND NOTES

GENERAL SIGNAGE NOTES:

A. TEXT AND COPY SHALL COMPLY WITH CHARACTER PARAMETERS AS REQUIRED FOR VISUAL AND TACTILE CHARACTERS. CHARACTER WIDTH OF THE UPPERCASE LETTER O SHALL BE SIXTY (60) PERCENT TO SEVENTY (70) PERCENT OF THE UPPERCASE LETTER I.

B. TEXT SHALL HAVE A STROKE WIDTH TO HEIGHT RATIO BETWEEN 1:5 & 1:10 AND A HEIGHT WIDTH RATIO BETWEEN 1:1 & 3:1.

C. LINE SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE LESS THAN OR EQUAL TO 135% OF THE CHARACTER HEIGHT.

D. ALL CHARACTERS AND PICTOGRAMS SHALL HAVE A NON-GLARE FINISH AND SHALL CONTRAST WITH THE BACKGROUND COLOR TO PROVIDE LIGHT ON DARK OR DARK ON LIGHT REFLECTANCE VALUES. ALL COLORS TO BE SELECTED BY ARCHITECT AND OWNER.

E. FOR CASE OF IMMIGRANT, ALL VISUAL CHARACTERS AND PICTOGRAMS SHALL BE RAISED 1/32" (0.8 MM) ABOVE THEIR BACKGROUND. SEE DETAILS FOR ADDITIONAL INFO.

F. WALL MOUNTED SIGNAGE 5'-1" (1540 MM) AFF.

G. SEE DOOR SCHEDULE AND SIGNAGE PLAN FOR ADDITIONAL LOCATIONS, TYPES, DOOR NUMBERS, AND DESCRIPTIONS OF EASY ELEVATOR, FIXTURE SIGNAGE.

H. EQUIPMENT, BRACKETS, & MISCELLANEOUS SIGNAGE MOUNTED TO FIXTURES, CABINETWORK, OR EQUIPMENT SHALL BE COORDINATED WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND APPROVED BY ARCHITECT. OWNER, AND AHJ PRIOR TO FABRICATION.

RAISED TACTILE CHARACTERS:

A. CHARACTER HEIGHT: 5/8" (16 MM) MINIMUM REQUIRED TO MEASURE 1" (25 MM) OR MORE.

B. FONTS: UPPERCASE, SANS SERIF CHARACTERS, RAISED 1/32" (0.8 MM) ABOVE THEIR BACKGROUND.

C. STROKE WIDTH OF UPPERCASE LETTER "I" SHALL BE 10% (1/10) OF THE CHARACTER HEIGHT TO FULL (AS MEASURED AT THE TOP HEIGHT OF THE CHARACTER) AND 30% (3/10) OF THE CHARACTER HEIGHT (AS MEASURED AT THE BASE OF THE CHARACTER).

D. SPACING OF ADJACENT CHARACTERS: MINIMUM OF 1/8" (3.0 MM) AND MAXIMUM OF FOUR TIMES (4X) THE RAISED CHARACTER STROKE WIDTH. MEASURED BETWEEN THE OUTSIDE OF ADJACENT CHARACTERS. SHALL BE NO LESS THAN 1/8" (3.0 MM) MEASURED AT THE TOP SURFACE OF THE CHARACTER FIELD, AND NOT MEASURED AT THE BASE OF THE CHARACTERS. ADJUST FOR WIDTH OF THE CHARACTER'S STROKE WHERE NECESSARY.

E. SPACING BETWEEN LINES:
SINGLE LEAF DOORS: LATCH SIDE
PAIR OF DOORS WITH ONE LEAF: MINIMUM ONE LEAF
PAIR OF DOORS WITH 2 ACTIVE LEAFS: 1/2 THE WIDTH OF THE RIGHT HAND LEAF

F. IF SPACE IS INSUFFICIENT WALL SPACE, PLACE SIGN ON NEAREST ADJACENT WALL.

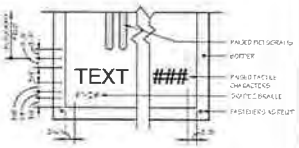
G. DO NOT INSTALL SIGNS ON GLASS. IF IMPOSSIBLE, SIGN SHALL BE INSTALLED ON THE LATCH SIDE OF THE DOOR. SIGNS SHALL BE A COMPLIMENTARY CONTRASTING BACKING MATERIAL ON OPPOSITE FACE OF GLASS.

VISUAL CHARACTERS:

A. CHARACTER HEIGHT: 5" (125 MM) ACCORDING TO THE VIEWING DISTANCE AS SHOWN.

B. STROKE WIDTH OF UPPERCASE LETTER "I" SHALL BE 10% (1/10) & 30% (3/10) OF THE CHARACTER HEIGHT.

C. CHARACTER SPACING TO BE SURVEYED WITH 3 TYPICAL CHARACTERS: 1 WIDEST, 10% MIN. & 35% MAX. OF THE CHARACTER HEIGHT.




TYPICAL SIGN LAYOUT GUIDELINES
SCALE: 6" = 1'-0"

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NEWFIELD LIBRARY RENOVATIONS / ADDITION
BRIDGEPORT PUBLIC LIBRARY
755 CENTRAL AVENUE BRIDGEPORT, CONNECTICUT

INTERIOR SIGNAGE DETAILS

A-990

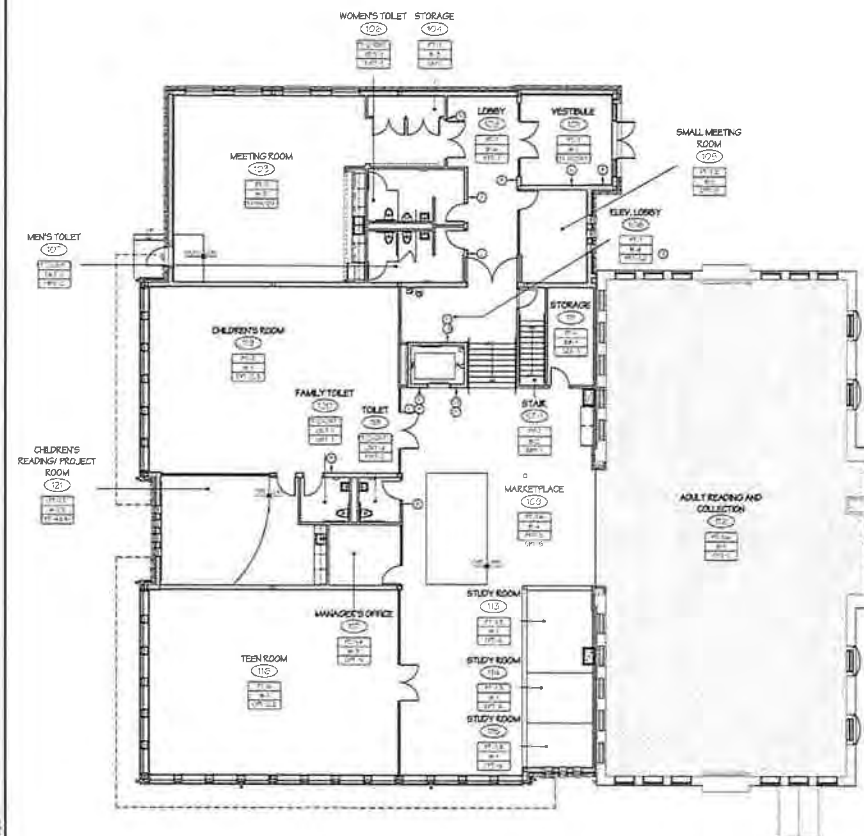
2 OCTOBER 2017

## GENERAL FINISH NOTES

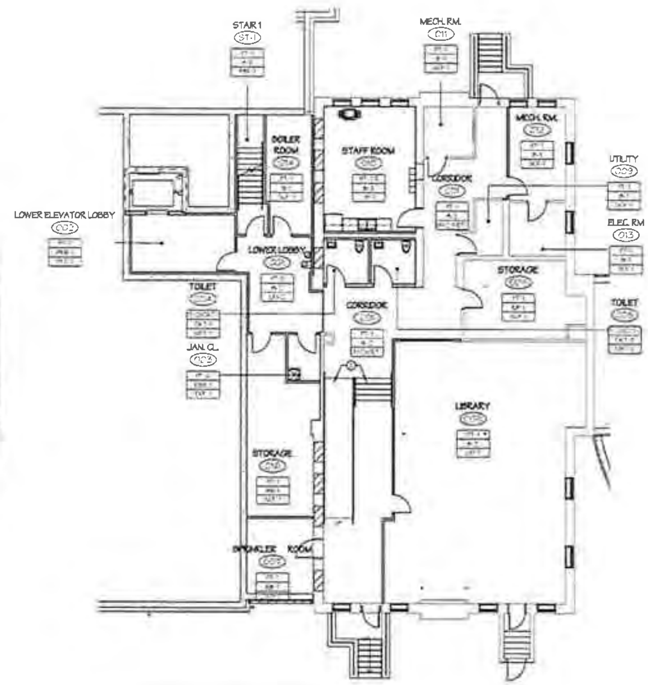
[illegible]

## FINISH NOTES

1. TREADS AT ELEVATOR LOBBY SHALL RECEIVE PORCELAIN TILE (PPT-2)
2. TREADS AND RAMP AT CORRIDOR SHALL RECEIVE VINYL ENHANCED TILE (VET-1).




FIRST FLOOR FINISH PLAN




BASEMENT FLOOR FINISH PLAN

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# BRIDGEPORT LIBRARY

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BASEMENT AND FIRST FLOOR FINISH PLAN

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FI-101

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| 09/21/2017 | 16010 |

## BASE

B-1 MANUF: JOHNSONITE
PRODUCT: RUBBER WALL BASE
SIZE: 4"H
COLOR: TBD

B-2 MANUF: JOHNSONITE
PRODUCT: RUBBER WALL BASE
[illegible]

B-3 MANUF: JOHNSONITE
PRODUCT: RUBBER WALL BASE
SIZE: 4"H
COLOR: TBD

B-4 MANUF: GARDEN STATE TILE
PRODUCT: TEN... BASE
SIZE: 4"H
[illegible]

## CARPET

CPT-1 MANUF: SHAW CONTRACT GROUP
COLLECTION: SANCTUARY
STYLE: 5T196
COLOR: COMFORT #07595
BACKING: PER MANUFACTURER'S RECOMMENDATION
[illegible]
SIZE: 36" x 36"
[illegible]

CPT-2 MANUF: SHAW CONTRACT GROUP
COLLECTION: COLOR AT WORK
[illegible]
COLOR: SILVER CHARTREUSE #07725
BACKING: PER MANUFACTURER'S RECOMMENDATION
INSTALLATION: MONOLITHIC
SIZE: 18" x 36"
[illegible]

CPT-3 MANUF: SHAW CONTRACT GROUP
COLLECTION: COLOR FROLIC AND COLOR FORM
STYLE: 5T172
COLOR: TBD
BACKING: PER MANUFACTURER'S RECOMMENDATION
INSTALLATION: MONOLITHIC
SIZE: 3' x 36"
AREAS: TEEN READING, CHILDREN'S READING

CPT-4 MANUF: INTERFACE
COLLECTION: HUMAN CONNECTIONS
STYLE: 1284002500
COLOR: GREENSTONE #105582
BACKING: PER MANUFACTURER'S RECOMMENDATION
INSTALLATION: NON DIRECTIONAL
SIZE: 20" x 20"
AREAS: CHILDREN'S PROJ. ROOM

CPT-5 MANUF: INTERFACE
COLLECTION: GLOBAL CHANGE
STYLE: 4724OAK00
COLOR: DAYLIGHT #105534
BACKING: PER MANUFACTURER'S RECOMMENDATION
INSTALLATION: ASHLAR
SIZE: 9.87" x 39"
AREAS: MANAGER'S OFFICE

CPT-6 MANUF: INTERFACE
COLLECTION: GLOBAL CHANGE
STYLE: 4724OAK00
COLOR: ECLIPSE #105539
BACKING: PER MANUFACTURER'S RECOMMENDATION
INSTALLATION: ASHLAR
[illegible]

## CEILING

[illegible] MANUF: [illegible]
STYLE: TROPIC #SLR020
SIZE: 24" x 24" THICKNESS: 5/8"
GRID: 9/16" SQUARE REGULAR NARROW
[illegible]

[illegible]

## CERAMIC WALL TILE

[illegible]

## EPOXY RESIN FLOORING

ERF-1 MANUF: DUR-A-FLEX
STYLE: POLYCRETE MDB
COLOR: TBD
[illegible]
(REFERRED AS ERF-1)
NOTE: REFER TO SPECIFICATIONS FOR TYPE

## FOOT GRILLE

FG-1 MANUF: CONSTRUCTION SPECIALTIES
COLLECTION: FLOOR MATS
STYLE: 1/2" DEPTH, RECESS MOUNT
PATTERN: PINCHEEL
INSERT: RECYCLED RUBBER IN BLACK
FINISH: CLEAR ANODIZED

## LINEOLEUM SHEET

LIN-1 MANUF: FORBO MARMOLEUM
STYLE: REAL SERIES TOPSHIELD [illegible]
[illegible]

## LOCKERS

MANUF: ASI STORAGE SOLUTIONS
STYLE: TRADITIONAL COLLECTION - DOUBLE TIER LOCKER W/ SLOPE TOP
SIZE: 12"W x 12"D x 66"H
[illegible]

## MOSAIC FLOOR TILE

MFT-1 MANUF: DALTILE
[illegible]
COLOR: TBD
SIZE: 1" x 1"
THICKNESS: 1/4
GROUT: TBD

MFT-2 MANUF: DALTILE
STYLE: KEYSTONES
COLOR: TBD
SIZE: 1" x 1"
THICKNESS: 1/4
[illegible]

## PAINT

PT-1 [illegible]

PT-2 [illegible]

PT-3 [illegible]

PT-4 [illegible]

PT-5 [illegible]

PT-6 [illegible]

PT-7 MANUF: BENJAMIN MOORE
COLOR: TBD
AREAS: ACCENT AT CHILDREN'S READING/PROJ. ROOM

## PLASTIC LAMINATE

PL-1 MANUF: FORMICA
COLOR: AGED ASH #8844-58
FINISH: MATTE
[illegible]

PL-2 MANUF: NEVAMAR
COLOR: VISION/KAVA #VA2002T
FINISH: TEXTURED
AREAS: COMMUNITY ROOM UPPERS & BASE CABINETS

PL-3 MANUF: FORMICA
[illegible]
FINISH: MATTE
[illegible]

PL-4 MANUF: [illegible]
[illegible]
FINISH: MATTE
[illegible]

PL-5 [illegible]
COLOR:
FINISH:
AREAS: ELEVATOR CAB

## PORCELAIN FLOOR TILE

PFT-1 MANUF: GARDEN STATE TILE
STYLE: RE-MICRON
COLOR: GREIGE - MATTE
SIZE: 24" x 48"
INSTALL: BRICK
GROUT: TBD
(LOBBY)

PFT-2 MANUF: GARDEN STATE TILE
STYLE: RE-MICRON
COLOR: GREIGE - HAMMERED
SIZE: 12" x 24" STAIR TREAD
INSTALL: GRID
GROUT: TBD
(LOBBY @ STAIR)

## RUBBER FLOORING

RBF-1 MANUF: JOHNSONITE
COLLECTION:
STYLE: HAMMERED
COLOR: TBD
SIZE: 24" X 24"
THICKNESS: 1/8"
(STAIR TO BASEMENT)

## SEALED CONCRETE FLOORING

SCF-1 SEALED CONCRETE AT BACK OF HOUSE & MECHANICAL SPACES. PROVIDE CONCRETE SEALER. REFER TO SPECIFICATIONS & FINISH FLOOR PLANS

## SIGNAGE

SIGNAGE - TYPE 1 MANUF: TBD
STYLE: TBD
COLOR: TBD
SIZE: TBD
AREAS: TYPICAL ROOM SIGNAGE

## SOLID SURFACE FINISH

SSF-1 MANUF: BRADLEY
COLLECTION: TERREON
COLOR: DESIGNER WHITE
[illegible]

SSF-2 MANUF: STARON
COLLECTION: SANDING - SUPREME
COLOR: CLOUDBANK #VC112
AREA: COMMUNITY ROOM, STAFF ROOM

SSF-3 MANUF: DUPONT - CORIAN
COLLECTION: METALLIC SERIES
COLOR: TBD
AREA: [illegible]

SSF-4 MANUF: DUPONT - CORIAN
COLLECTION: STANDARD SERIES
COLOR: TBD
[illegible]

## TOILET PARTITION

MANUF: ASI GLOBAL PARTITIONS
SERIES: SOLID PLASTIC (HDPE)
STYLE: HAMMERED
COLOR: TBD
AREAS: REST [illegible]

## VINYL ENHANCED TILE

VET-1 MANUF: [illegible]
COLLECTION: COLOR ESSENCE
COLOR: TBD
SIZE: 12" x 12"
[illegible]

## WALK OFF MAT

WOM-1 MANUF: INTERFACE
COLLECTION: SUPER [illegible]
COLOR: TBD
SIZE: 20" x 20"
INSTALL: TBD
[illegible]

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BRIDGEPORT, CONNECTICUT

FINISH SCHEDULE AND LEGEND

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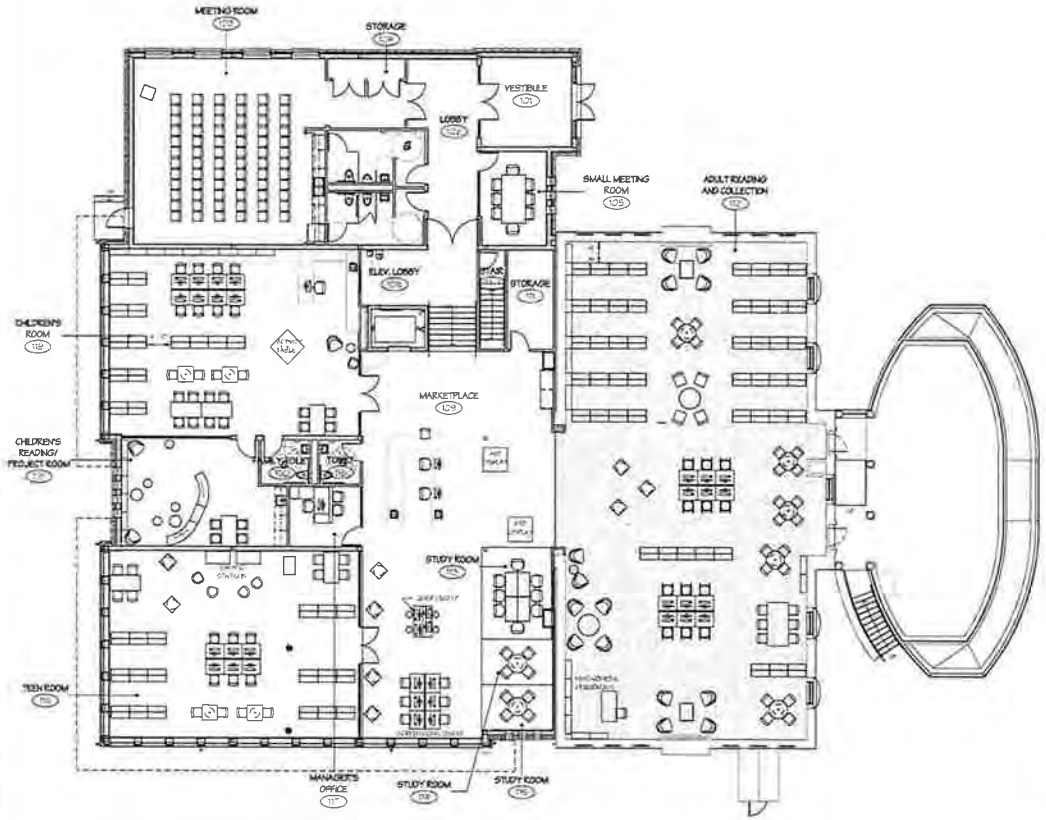
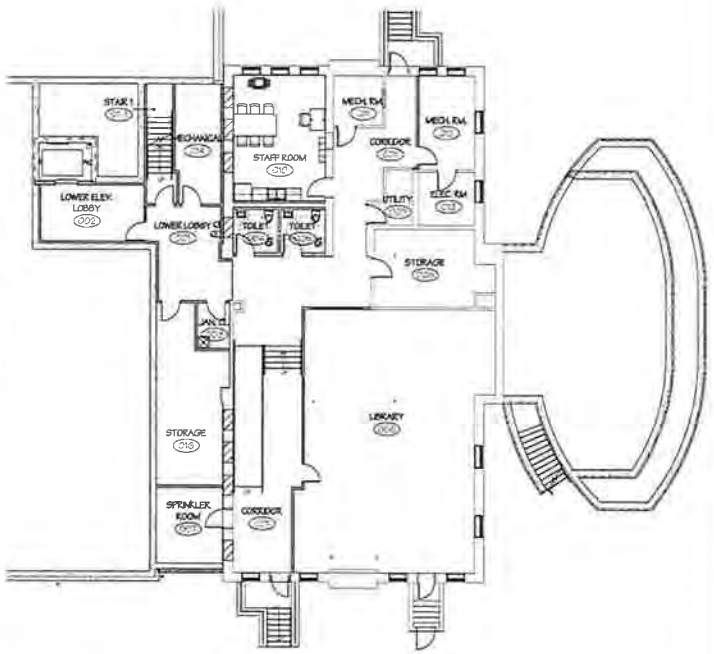
CHECKED BY: Approver

FI-901

DATE: 09/29/2017
JOB NUMBER: 16010




FIRST FURNITURE FLOOR PLAN




BASEMENT FURNITURE FLOOR PLAN

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BASEMENT AND FIRST FLOOR FURNITURE PLAN

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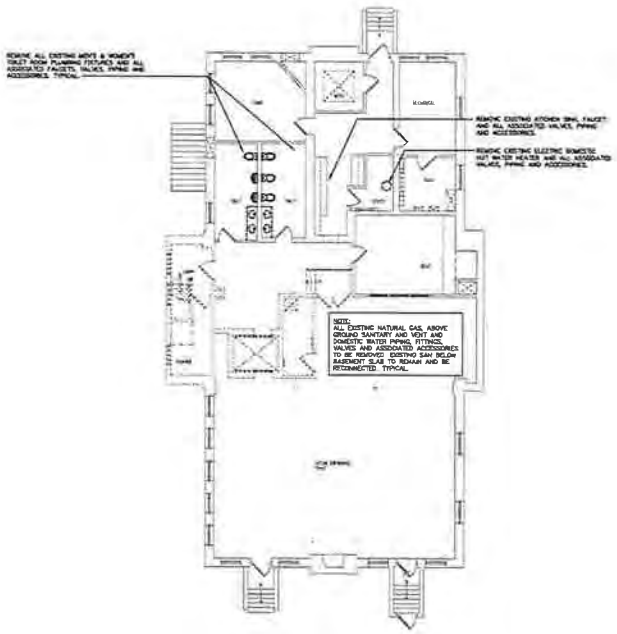
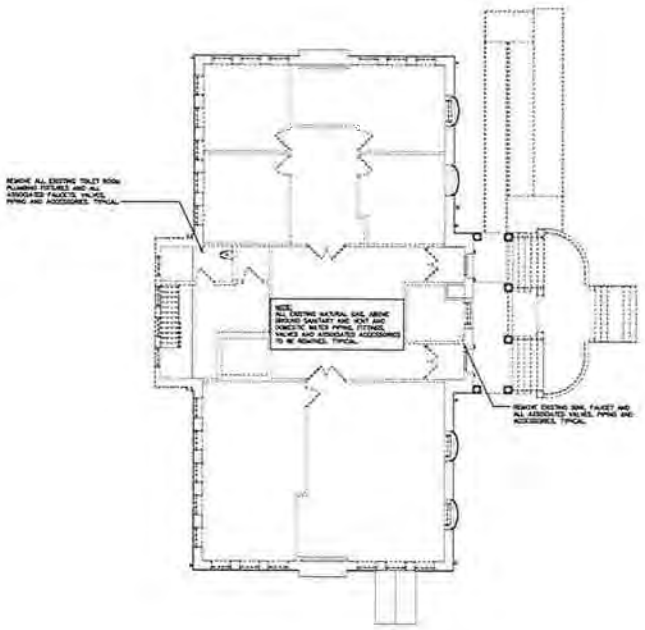



BASEMENT PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"




FIRST FLOOR PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

PLUMBING DEMOLITION NOTES:
1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF DEMOLITION WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
3. ALL DEMOLITION WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER, WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES. TYPICAL.
4. DO NOT DAMAGE EXISTING EQUIPMENT AND/OR SYSTEMS NOT BEING REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING EQUIPMENT AND/OR SYSTEMS NOT BEING REMOVED.
5. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDED IN AND RELATED TO THE PROJECT SCOPE OF WORK. TYPICAL.

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PLUMBING DEMOLITION PLANS

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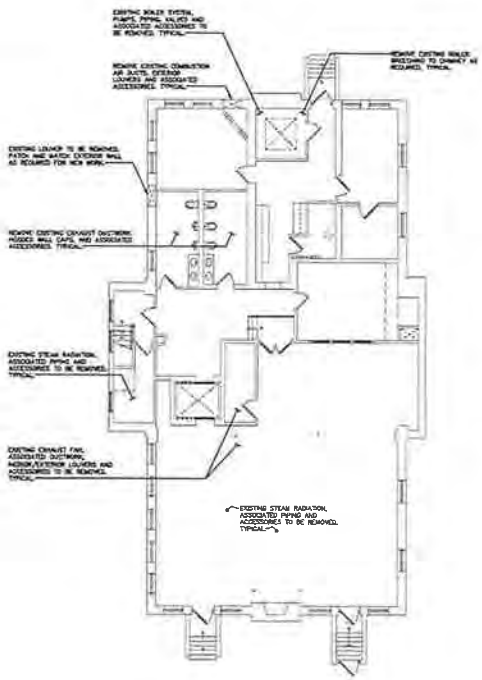
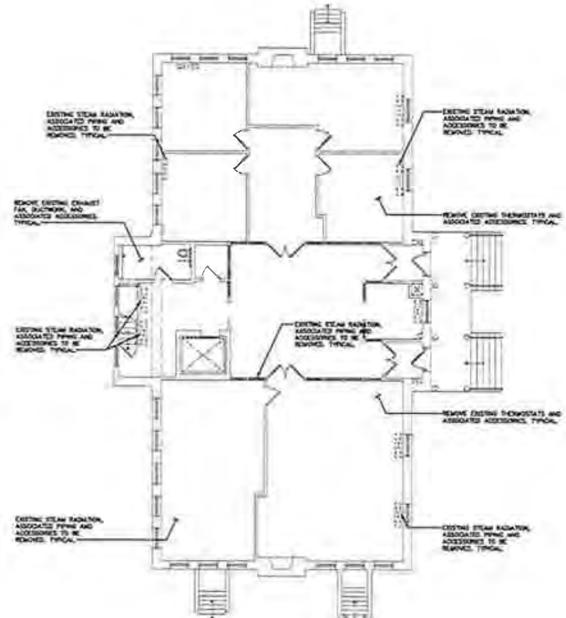



BASEMENT MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"




FIRST FLOOR MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

MECHANICAL DEMOLITION NOTES:

1. THE CONTRACTOR(S) SHALL VISIT THE SITE PRIOR TO BIDDING, NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF THE PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROVIDING PROPOSED EQUIPMENT AND OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF THE BASE BID AND CONTRACTOR(S) SHALL BID ACCORDINGLY, NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.
2. REMOVE AND PROPERLY DISPOSE OF EQUIPMENT AND ASSOCIATED COMPONENTS/ACCESSORIES AS INDICATED ON DEMOLITION PLANS. PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. TYPICAL.
3. ALL DEMOLITION WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. COORDINATE WORK WITH ALL PROJECT DISCIPLINES AND EXISTING CONDITIONS. TYPICAL.
4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDED IN AND RELATED TO THE PROJECT SCOPE OF WORK. TYPICAL.
5. DO NOT DISTURB ANY SUSPECTED HAZARDOUS MATERIALS. NOTIFY OWNERS REPRESENTATIVE OF ANY SUSPECTED MATERIALS IMPEDING PERFORMANCE OF WORK. TYPICAL.
6. REMOVE EXISTING STEAM AND CONDENSATE RETURN PIPING VALVES AND ASSOCIATED ACCESSORIES. TYPICAL FOR THE ENTIRE BUILDING.

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BASEMENT MECHANICAL DEMOLITION PLAN

As Noted

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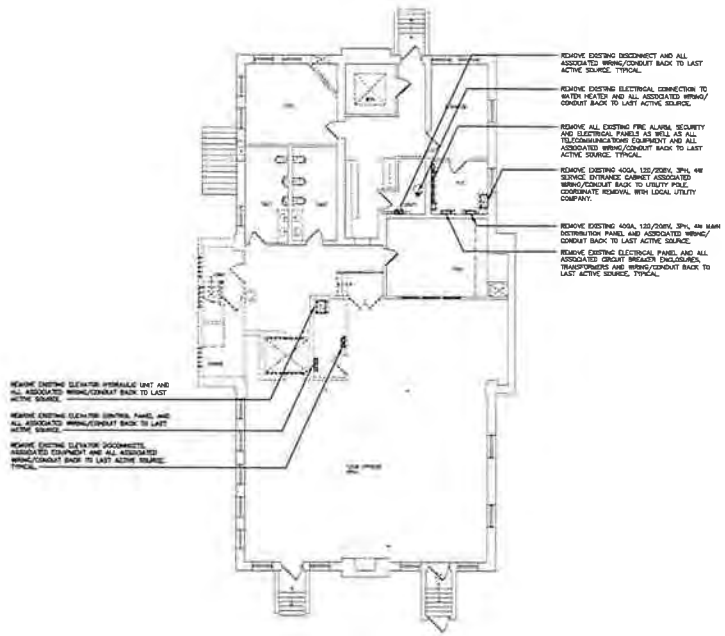
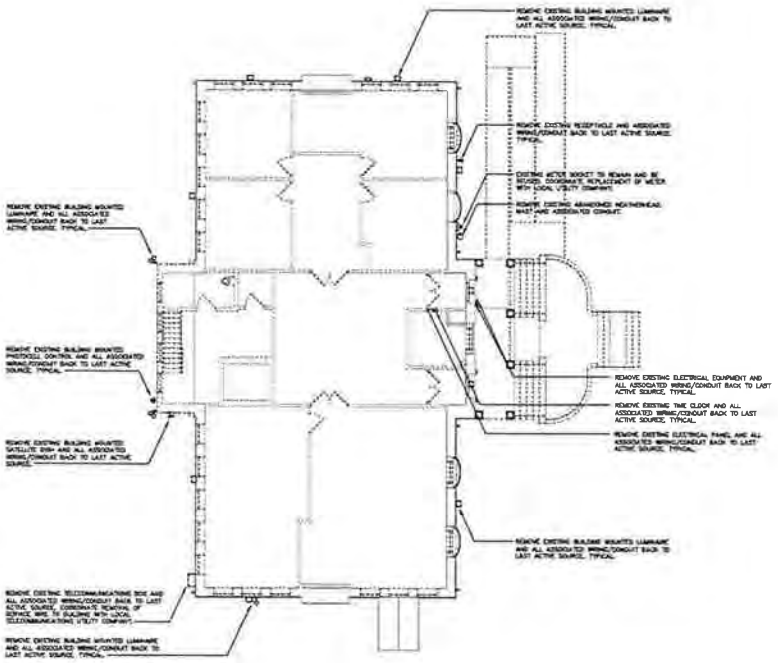



BASEMENT ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"




FIRST FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

ELECTRICAL DEMOLITION NOTES:

1. REMOVE ALL EXISTING LUMINAIRES, SWITCHES, RECEPTACLES AND ALL ASSOCIATED WIRING/CONDUIT BACK TO LAST ACTIVE SOURCE. TYPICAL.
2. REMOVE ALL EXISTING FIRE ALARM DEVICES AND EQUIPMENT AS WELL AS ALL ASSOCIATED WIRING/CONDUIT BACK TO FIRE ALARM CONTROL PANEL. TYPICAL.
3. REMOVE ALL EXISTING TELECOMMUNICATION OUTLETS AND EQUIPMENT AS WELL AS ALL ASSOCIATED WIRING/CONDUIT BACK TO BUILDING DEMARCATION POINT. TYPICAL.
4. REMOVE ALL EXISTING SECURITY SYSTEM DEVICES AND EQUIPMENT AS WELL AS ALL ASSOCIATED WIRING/CONDUIT BACK TO LAST ACTIVE SOURCE. TYPICAL.
5. REMOVE ALL EXISTING CALL-FOR-ASSISTANCE DEVICES AND ALL ASSOCIATED WIRING/CONDUIT BACK TO LAST ACTIVE SOURCE. TYPICAL.

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ELECTRICAL DEMOLITION PLANS

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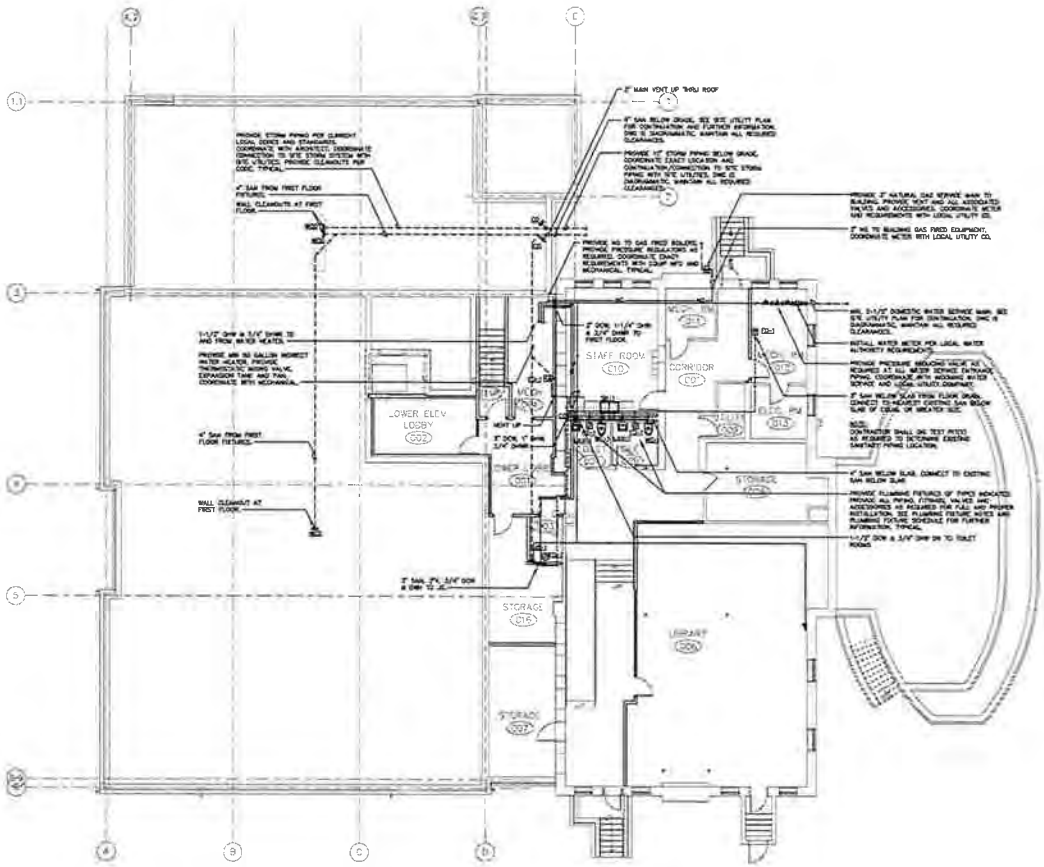


BASEMENT PLUMBING PLAN
SCALE: 1/4" = 1'-0"

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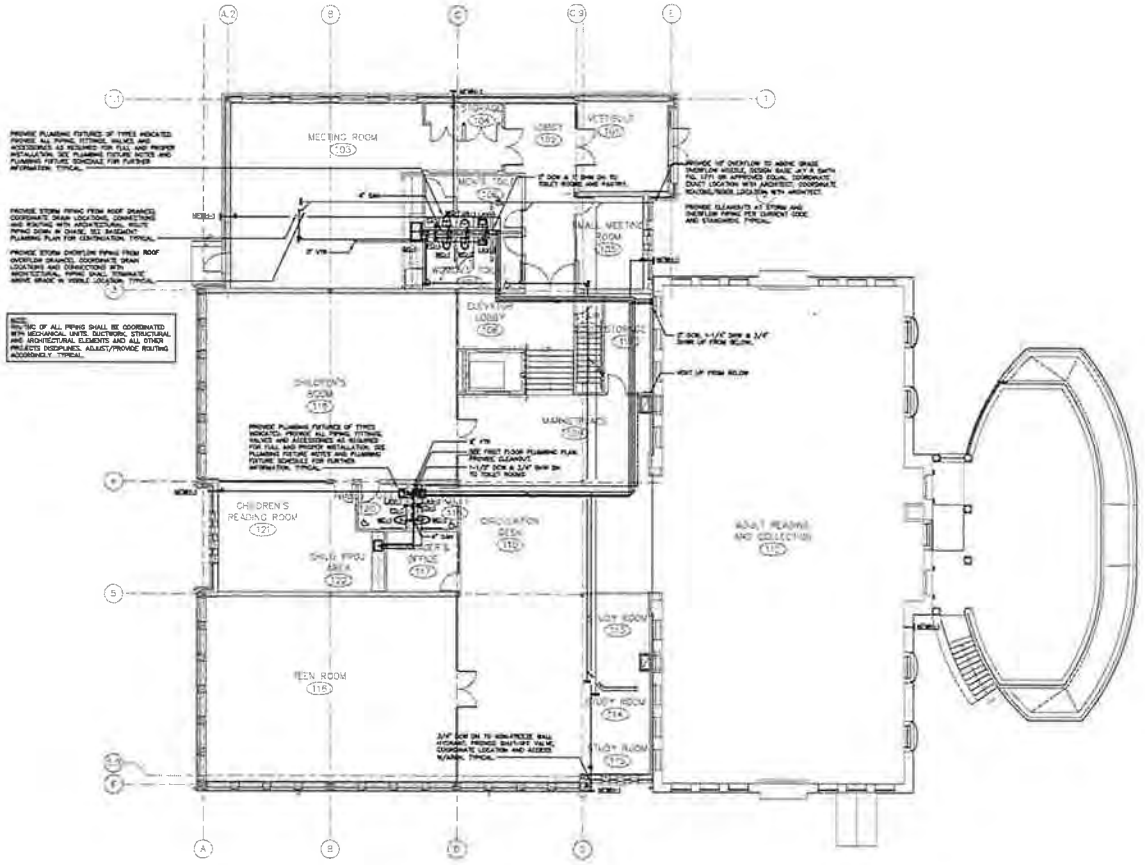
DATE: 09/17
JOB NUMBER: 16010




FIRST FLOOR PLUMBING PLAN

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

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FIRST FLOOR PLUMBING PLAN

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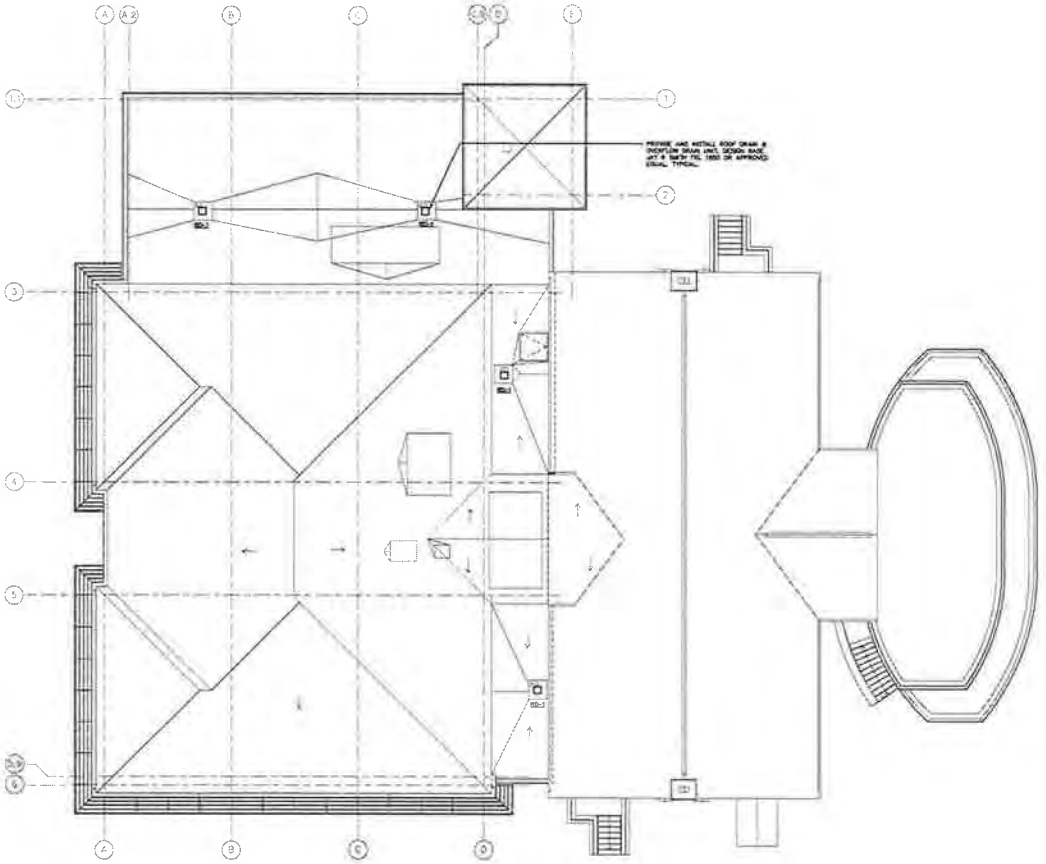

ROOF PLUMBING PLAN
SCALE: 1/8" = 1'-0"

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NEWFIELD LIBRARY
RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ROOF PLUMBING PLAN

| SCALE | DRAWN BY | DESIGNED BY |
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DRAWING NO.
P-103

| DATE | JOB NUMBER |
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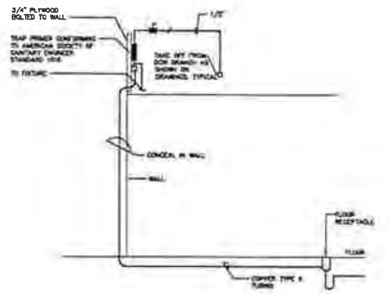
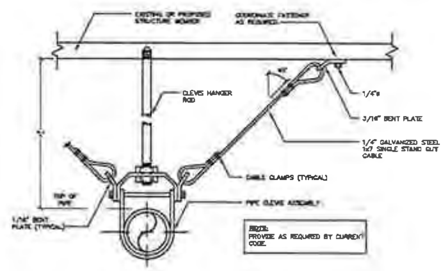


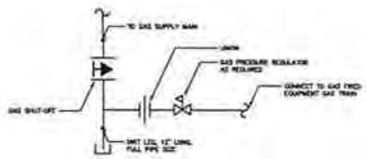

TYPICAL TRAP PRIMER DETAIL

SCALE: N.T.S.



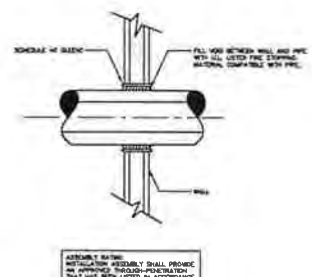

TYPICAL SEISMIC RESTRAINT
ASSEMBLY OF SUSPENDED PIPING

SCALE: N.T.S.



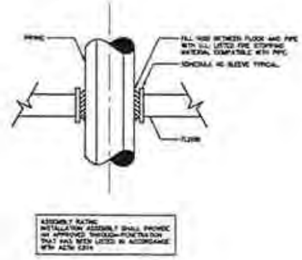

TYPICAL CONNECTION TO
GAS FIRED EQUIPMENT

SCALE: N.T.S.




TYPICAL WALL PIPE PENETRATION
FIRE STOPPING DETAIL

SCALE: N.T.S.




TYPICAL FLOOR PIPE PENETRATION
FIRE STOPPING DETAIL

SCALE: N.T.S.

## PLUMBING FIXTURE SCHEDULE

| [illegible] | [illegible] | [illegible] | [illegible] |
|---|---|---|---|
| EWC-1 | WATER COOLER WALL MOUNT ANSI A117.1-2003 COMPLIANT | STAINLESS STEEL BI-LEVEL, INTEGRAL DRAIN, SAFETY BUBBLER, FLOW REGULATOR, PUSH BAR ACTIVATION ELKAY EZSTL FINISH SELECTION BY OWNER | TRAP AND VENT COORDINATE SENSOR W/DIV 16 |
| FD-1 | [illegible] | DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE STRAINER, TRAP PRIMER CONNECTION, HINGED GRATE, SEDIMENT BUCKET JAY R. SMITH FIG. 2005 (OUTLET FULL SIZE OF PIPE) | PROVIDE W/TRAP PRIMER AND 2" DEEP TRAP |
| JS-1 | JANITOR SINK | ONE PIECE PRECAST TERRAZZO, STAINLESS STEEL CAP ALL CURBS. STAINLESS STEEL DRAIN BODY 36"x36"x12" FIAT MODEL #TSB-500 | STAINLESS STEEL WALL MOUNTED SERVICE FAUCET #830-AA CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, PAIL HOOK, HOSE AND HOSE BRACKET 832-AA, MOP HANGER 889-CC |
| LAV-1 | LAVATORY WALL MOUNTED ADA COMPLIANT | VITREOUS CHINA, 21-1/4"x18-1/8", FRONT OVERFLOW 4" CENTERSET, CONCEALED HANGER MOUNT AS REQUIRED FOR ADA COMPLIANCE KOHLER KINGSTON | ELECTRONIC ADA COMPLIANT FAUCET, BRASS AND COPPER WATERWAY, ADJUSTABLE HOT LIMIT SAFETY STOP, SINGLE HOLE MOUNTING OR 4" CENTERS SLOAN OPTIMA ETF-600 POP-UP DRAIN |
| NFWH-1 | NON-FREEZE WALL HYDRANT | STAINLESS STEEL RECESSED BOX CONCEALED NOZZLES AND MECHANISM 1/4 TURN OPERATION WITH INTERNAL VACUUM BREAKER, JAY R. SMITH 5509 QT. OR EQUAL | SINGLE CONTROL FAUCET, BRASS AND COPPER WATERWAY, ADJUSTABLE HOT LIMIT SAFETY STOP, SINGLE HOLE MOUNTING OR 4" CENTERS SYMMONS SYMMETRIX S-23 |
| SK-1 | COUNTERTOP SINK ADA COMPLIANT | 18 GAUGE, TYPE 304 STAINLESS STEEL, SELF-RIMMING, COVED CORNERS, 37"x22"x6-1/2" 4" CENTERSET ELKAY MODEL LRAD372265 | SINGLE CONTROL FAUCET, POP-UP DRAIN, BRASS AND COPPER WATERWAY, ADJUSTABLE HOT LIMIT SAFETY STOP, SINGLE HOLE MOUNTING OR 4" CENTERS SYMMONS MODEL S-23-W POP-UP DRAIN |
| [illegible] | URINAL WALL HUNG ADA COMPLIANT | VITREOUS CHINA, LOW CONSUMPTION, FLUSHING RIM AND TRAP, EXTENDED SIDES, 3/4" TOP SPUD, FLUSHVALVE WITH VACUUM BREAKER, MOUNT AT RIM HT 17" MAX. FOR ADA COMPLIANCE KOHLER K-5016-ET | EXPOSED URINAL FLUSHOMETER [illegible] AND [illegible] CONCEALED HANGERS AND SUPPORTING BOLTS |
| [illegible] | WATER CLOSET FLOOR MOUNT ADA COMPLIANT | LOW CONSUMPTION, VITREOUS CHINA, ELONGATED RIM, FLUSHVALVE WITH VACUUM BREAKER. 1-1/2" TOP SPUD, MOUNT AT RIM HT 17" MAX. FOR ADA COMPLIANCE KOHLER K-4405 | EXPOSED WATER CLOSET FLUSHOMETER [illegible] |
| WC-2 | WATER CLOSET FLOOR MOUNT | LOW CONSUMPTION, VITREOUS CHINA, ELONGATED RIM, FLUSHVALVE WITH VACUUM BREAKER, 1-1/2" TOP SPUD, KOHLER K-4405 | EXPOSED WATER CLOSET FLUSHOMETER CHROME PLATED, SPUD COUPLING AND FLANGE FOR 1-1/2" TOP SPUD. LOW CONSUMPTION (1.6 GPF) SLOAN ROYAL #111-1.6 ES-S SOLID PLASTIC ELONGATED SEAT WITH OPEN FRONT WITHOUT COVER |

NOTES:
1. INSULATE SUPPLIES AND WASTE FOR ALL ADA COMPLIANT FIXTURES WITH HANDI-LAV GUARD BY TRU-BRO, TYPICAL.
2. SEE PLUMBING FLOOR PLANS FOR FURTHER REQUIREMENTS. TYPICAL.
3. COORDINATE FIXTURE CARRIERS AND ACCESSORIES WITH PLUMBING PLANS AND ARCHITECTURAL DETAILS. TYPICAL.
4. PROVIDE REQUIRED MANUFACTURER'S TRANSFORMERS FOR ALL TOUCHLESS FIXTURES. COORDINATE QUANTITY OF FIXTURES PER TRANSFORMER WITH ELECTRICAL AND MANUFACTURER'S REQUIREMENTS. COORDINATE REQUIREMENTS AND INSTALLATION W/DIV. 16. TYPICAL.

## PLUMBING SYMBOL LIST

| Symbol | Description |
|---|---|
| [symbol] | BALL VALVE |
| [symbol] | GATE VALVE |
| [symbol] | CAP |
| [symbol] | PIPE ELBOW TURNED UP |
| [symbol] | PIPE ELBOW TURNED DOWN |
| [symbol] | DOMESTIC COLD WATER SUPPLY PIPING |
| [symbol] | DOMESTIC HOT WATER SUPPLY PIPING |
| [symbol] | DOMESTIC HOT WATER RETURN PIPING |
| [symbol] | NATURAL GAS PIPING |
| [symbol] | SANITARY VENT PIPING |
| [symbol] | PIPING TO BE REMOVED |
| [symbol] | UNDER SLAB PIPING TO BE PROVIDED |
| [symbol] | CLEAN OUT |
| [symbol] | FLOOR DRAIN |
| [symbol] | TRAP PRIMER |
| [symbol] | NON-FREEZE WALL HYDRANT |

## PLUMBING ABBREVIATIONS

| | |
|---|---|
| C.O. | CLEANOUT |
| DCW | DOMESTIC COLD WATER SUPPLY |
| DHW | DOMESTIC HOT WATER SUPPLY |
| DHWR | DOMESTIC HOT WATER RETURN |
| DN | [illegible] |
| DWH | DOMESTIC WATER HEATER |
| ET | EXPANSION TANK |
| F.C.O. | [illegible] |
| FD | [illegible] |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| JS | JANITOR'S SINK |
| LAV | LAVATORY |
| NFWH | NON-FREEZE WALL HYDRANT |
| NG | NATURAL GAS |
| NTS | NOT TO SCALE |
| PRV | PRESSURE REDUCING VALVE |
| SAN | SANITARY |
| SK | SINK |
| TM | THERMOSTATIC MIXING VALVE |
| TYP | TYPICAL |
| UR | URINAL |
| VTR | SANITARY VENT THROUGH ROOF |
| WC | WATER CLOSET |

[illegible]

## PLUMBING GENERAL NOTES

1. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
2. PROVIDE FIXTURE SHUT-OFF VALVES AND P-TRAPS FOR ALL FIXTURES PROVIDED. PROVIDE SANITARY, WASTE, AND DOMESTIC WATER PIPING AS REQUIRED FOR ALL FIXTURES PROVIDED.
3. REFER TO AND CAREFULLY CHECK ARCHITECTURAL, ELECTRICAL AND [illegible] OF OTHER TRADES AND ARRANGE WORK ACCORDINGLY. FURNISH ALL OFFSETS, FITTINGS, VALVES, DRAINS, ETC. REQUIRED TO MEET SUCH CONDITIONS.
4. DUE TO SCALE OF DRAWINGS, ALL REQUIRED OFFSETS, FITTINGS, VALVES, DRAINS, ETC. MAY NOT BE INDICATED.
5. ALL PIPING PASSING THROUGH FIRE RATED WALLS SHALL BE PROVIDED WITH SCHEDULE 40 STEEL PIPE SLEEVES AND SPACE BETWEEN EXTERIOR OF PIPE AND INTERIOR OF PIPE SLEEVE PACKED WITH A FIRE RATED MATERIAL EQUAL TO THE RATING OF THE WALL.
6. UNLESS OTHERWISE INDICATED, PROVIDE A COMPLETE AND OPERATIONAL PLUMBING SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING CODES.
8. THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY."
9. WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE [illegible] OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
10. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
11. CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE SLOPE AND ANCHORAGE.
12. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ACCEPTED:
    A. INTERNATIONAL BUILDING CODE
    B. CONNECTICUT SUPPLEMENT
    C. INTERNATIONAL MECHANICAL CODE
    D. ASTM & ANSI STANDARDS.
    E. INTERNATIONAL PLUMBING CODE
    F. FIRE SAFETY CODE
14. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND PAYMENT FOR ALL UTILITIES DAMAGED DURING CONSTRUCTION.
15. CONTRACTOR TO CONFIRM PIPE LOCATIONS, ELEVATIONS, AND SIZES BEFORE ANY WORK IS STARTED. IF ANY DISCREPANCIES ARE FOUND NOTIFY ENGINEER BEFORE PROCEEDING WITH WORK.
16. PROVIDE WATER SERVICE SHUT OFF VALVES ON WATER SUPPLY IMMEDIATELY ADJACENT TO PLUMBING FIXTURES.
17. [illegible]
18. PROVIDE WATER HAMMER ARRESTORS FOR ALL FLUSH VALVES. SIZE AND LOCATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
19. [illegible]
20. ALL PIPES THAT PENETRATE WALLS, FLOORS AND CEILINGS IN FINISHED AREAS SHALL RECEIVE CHROME PLATED METAL ESCUTCHEONS.
21. ALL SHOP DRAWINGS OF INDIVIDUAL COMPONENTS ARE TO BE SUBMITTED AS A COMPLETE PACKAGE.
22. ALL SHOP DRAWINGS OF RELATED COMPONENTS SHALL BE SUBMITTED AS A COMPLETE PACKAGE.
23. ALL WORK IN INTERIOR FINISHED SPACES IS TO BE CONCEALED BEHIND WALLS, ABOVE CEILINGS, OR UNDER THE FLOOR. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM WORK.
24. WRITTEN REQUESTS FOR PLANNED SHUTDOWN OR INTERRUPTION OF BUILDING SERVICES, SYSTEMS OR EQUIPMENT SHALL BE MADE IN WRITING 72 HOURS PRIOR TO START OF THE REQUESTED SHUTDOWN PERIOD.
25. SUPPORT PIPING ABOVE SUSPENDED CEILING, FROM CONSTRUCTION ABOVE, AS CLOSE AS POSSIBLE TO BOTTOM OF SLABS, BEAMS, MAINTAINING MAXIMUM HEADROOM AT ALL TIMES.
26. [illegible]
27. ISLE AND CORRIDOR WAYS THROUGH CONSTRUCTION AREAS WHICH ARE REQUIRED FOR EGRESS (NORMAL OR EMERGENCY) SHALL BE KEPT CLEAR OF MATERIAL, EQUIPMENT, & DEBRIS.
28. ALL WORK SHALL BE LICENSED WORKMAN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.

[illegible]

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
3. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
4. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
5. CONTRACTOR SHALL PROVIDE CLEANOUTS FOR PROPOSED SANITARY PIPING AS REQUIRED PER CURRENT APPLICABLE CODES AND STANDARDS. TYPICAL.
6. ROUTING OF ALL PIPING SHALL BE COORDINATED WITH STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
7. PROVIDE BOILER MAKE-UP WATER TO BOILERS. PROVIDE ATMOSPHERIC ZONE BACKFLOW PREVENTER. COORDINATE WITH MECHANICAL.
8. PROVIDE EARTHQUAKE SHUT OFF VALVE AND GAS REGULATORS AS REQUIRED ON ALL NATURAL GAS SERVICES.
9. PROVIDE CONDENSATE DRAINAGE PIPING FOR ANY/ALL AIR HANDLERS, MAKE-UP AIR UNIT, ENERGY RECOVERY UNITS AND FAN COIL UNITS. COORDINATE WITH MECHANICAL. TYPICAL.

[illegible]

1. [illegible]
2. [illegible] TO PANTRY [illegible] PIPE. [illegible] 1-1/2" VENT. TYPICAL [illegible]
3. PROVIDE 3/4" DCW SUPPLY TO EACH NON-FREEZE WALL HYDRANT. PROVIDE 3/4" FIXTURE STOP. TYPICAL EACH NON-FREEZE HYDRANT.
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]

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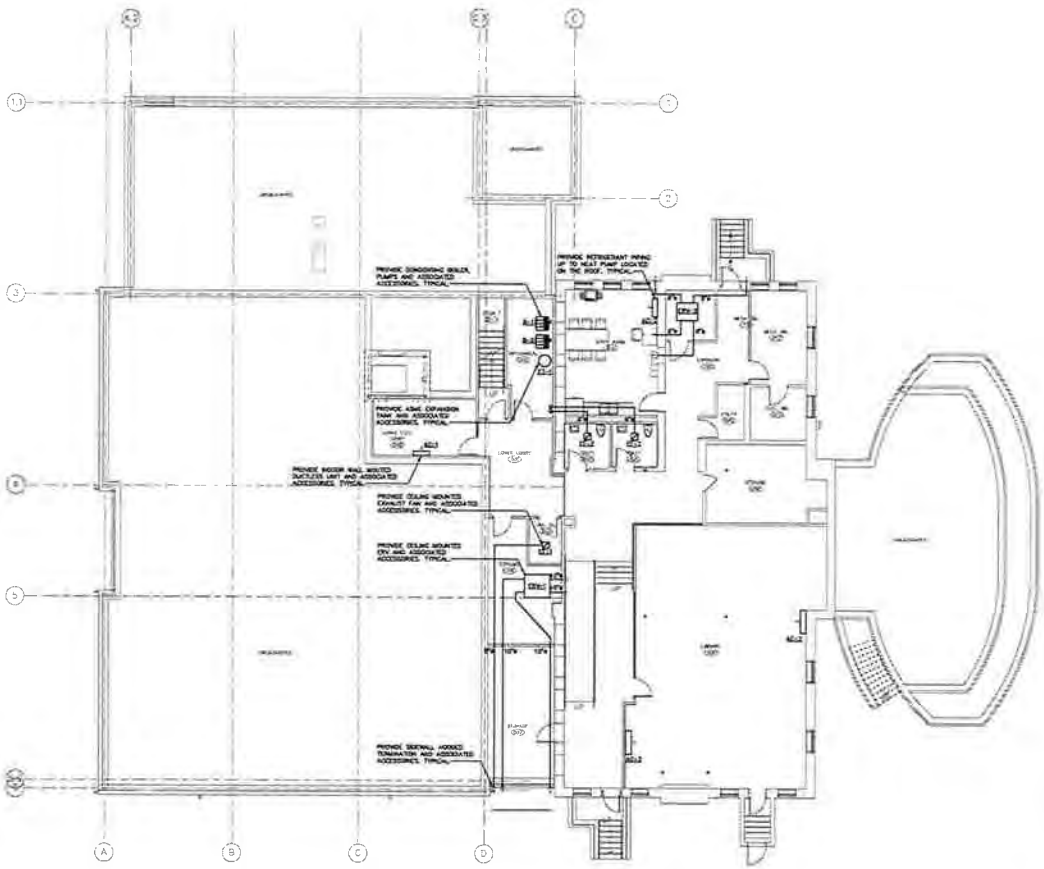
PLUMBING DETAILS, SCHEDULES SYMBOLS, NOTES AND ABBREVIATIONS

As Noted | ES | AS

P-201

09/17 | 16010



BASEMENT MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

MECHANICAL SYSTEMS NOTES:

DUCTWORK:
INTERNALLY INSULATE ALL SUPPLY AND RETURN DUCTWORK FOR THE FIRST TEN (10') FEET FROM AHUS/FCUS. TYPICAL.

INTERNAL INSULATION:
INSULATION SHALL BE INTERIOR DUCT LINING ABSORBING INSULATION, GLUED AND PINNED PER MANUFACTURER'S REQUIREMENTS. PROVIDE INSULATION EQUAL TO JOHNS MANVILLE PERMACOTE LINACOUSTIC AC-HP. TYPICAL.

FIRE DAMPERS:
PROVIDE STATIONARY FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE ASSEMBLY PENETRATIONS. TYPICAL.

MECHANICAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING, AND BECOME ARTHURED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. COORDINATE ALL WORK WITH EXISTING/PROPOSED CONDITIONS. TYPICAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, PIPING, CONDUIT, FIXTURES AND/OR EQUIPMENT REMAIN AND AFFECTING PROJECT SCOPE OF WORK.
5. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
7. PROVIDE ALL REQUIRED PENETRATIONS. COORDINATE WITH STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
8. ROUTING OF ALL PIPING/DUCTWORK SHALL BE COORDINATED WITH EXISTING/PROPOSED CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
9. PROVIDE VOLUME DAMPERS AT EACH SUPPLY BRANCH AND MAIN RETURN DUCTS. TYPICAL.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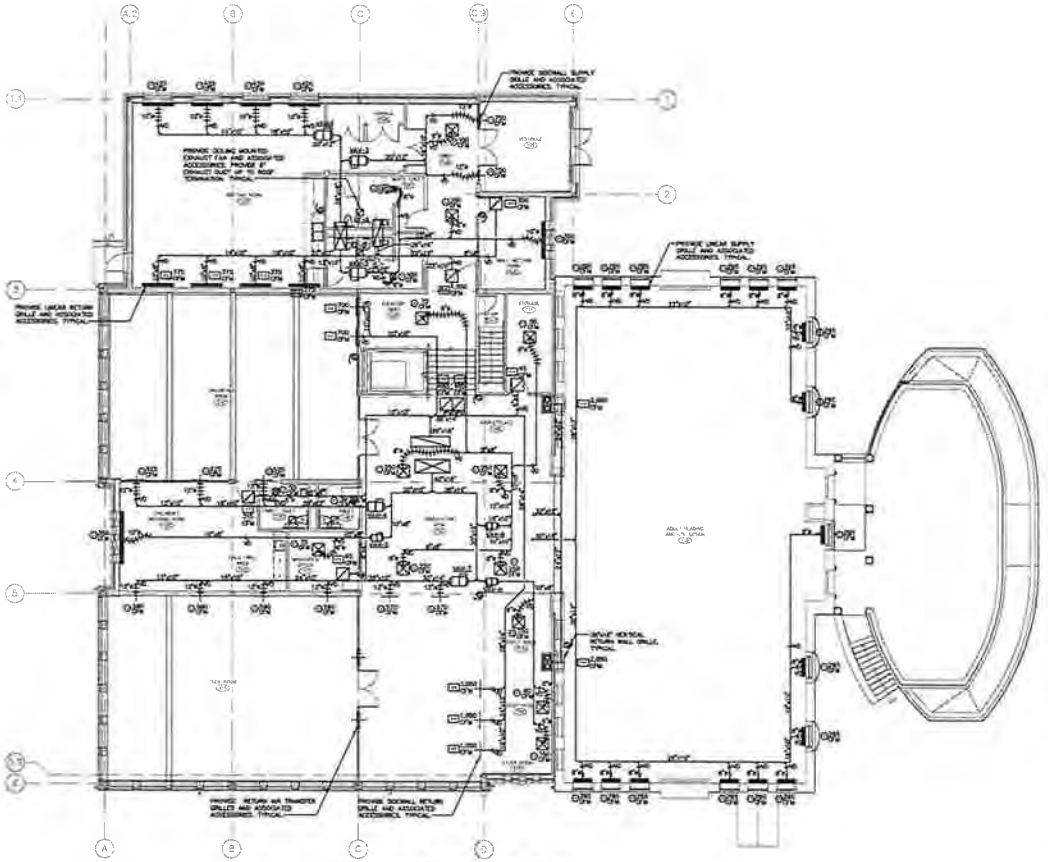

FIRST FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

MECHANICAL SUCTIONS NOTES:
NOTES/DATES:
INTERNALLY INSULATE ALL SUPPLY AND RETURN DUCTWORK FOR THE FIRST TEN (10) FEET FROM AIRSTRUCTURE. TYPICAL.
NOTIONAL INSULATION:
INSULATION SHALL BE INTERIOR DUCT SOUND ABSORBING INSULATION, BLUED AND FINISH PER MANUFACTURER'S REQUIREMENTS. PROVIDE INSULATION EQUAL TO JOHN MANVILLE PERMACOTE LINACOUSTIC 80-HP. TYPICAL.
FIRE DAMPERS:
PROVIDE DYNAMIC FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE ASSEMBLY PENETRATIONS. TYPICAL.

MECHANICAL NOTES:
1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. COORDINATE ALL WORK WITH EXISTING/PROPOSED CONDITIONS. TYPICAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, FIXTURES, EQUIPMENT, ETC. BEFORE ORDERING EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
5. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
7. PROVIDE ALL REQUIRED PENETRATIONS. COORDINATE WITH STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
8. ROUTING OF ALL PIPING/DUCTWORK SHALL BE COORDINATED WITH EXISTING/PROPOSED CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
9. PROVIDE VOLUME DAMPERS AT EACH SUPPLY BRANCH AND MAIN RETURN DUCTS. TYPICAL.

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FIRST FLOOR MECHANICAL PLAN

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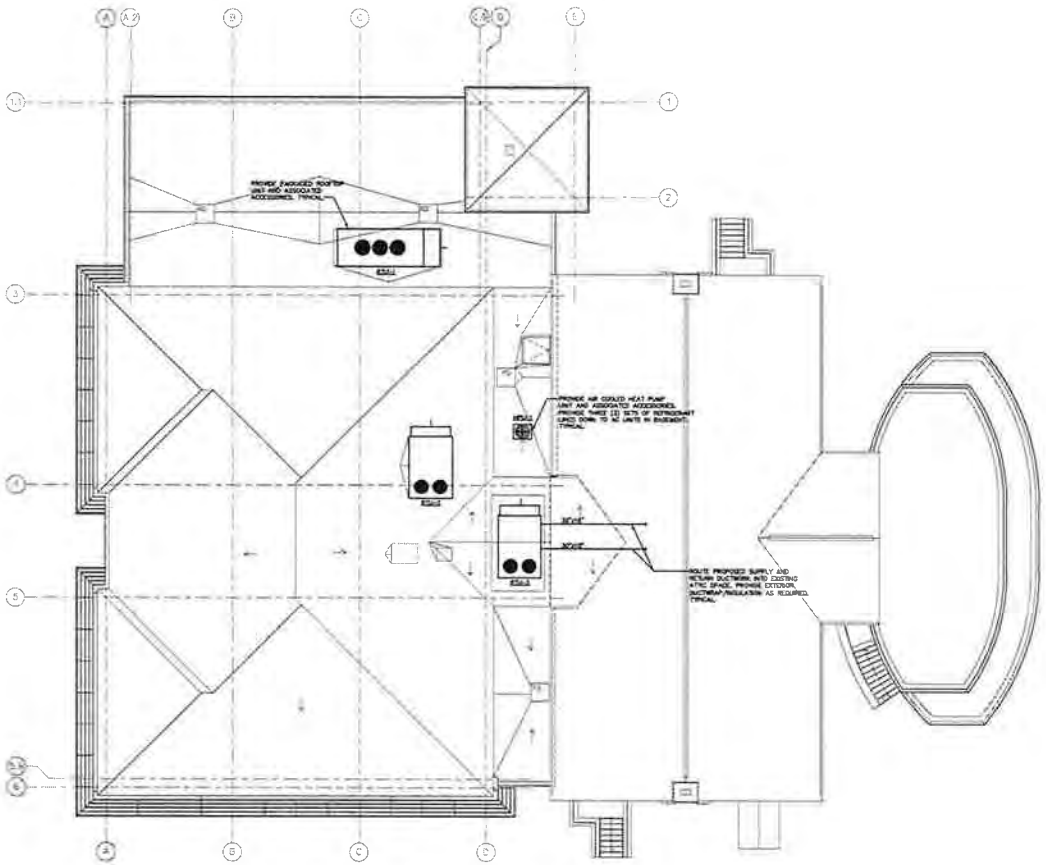
| 09/17 | 16010 |




ROOF MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

MECHANICAL DUCTWORK NOTES:

EXCLUSIVES:
INTERNALLY INSULATE ALL SUPPLY AND RETURN DUCTWORK FOR THE FIRST TEN (10) FEET FROM AHUS/RTUS. TYPICAL.

MATERIAL INSULATION:
INSULATION SHALL BE INTERIOR DUCT SOUND ABSORBING INSULATION, CLUED AND PINNED PER MANUFACTURER'S REQUIREMENTS. PROVIDE INSULATION EQUAL TO JOHN MANVILLE PERMACOTE LINACOUSTIC BE-UP. TYPICAL.

FIRE DAMPERS:
PROVIDE DYNAMIC FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE ASSEMBLY PENETRATIONS. TYPICAL.

MECHANICAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. COORDINATE ALL WORK WITH EXISTING/PROPOSED CONDITIONS. TYPICAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, PIPING, CONDUIT, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
5. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
7. PROVIDE ALL REQUIRED PENETRATIONS, COORDINATE WITH STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
8. ROUTING OF ALL PIPING/DUCTWORK SHALL BE COORDINATED WITH EXISTING/PROPOSED CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
9. PROVIDE VOLUME DAMPERS AT EACH SUPPLY BRANCH AND MAIN RETURN DUCTS. TYPICAL.

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ARCHITECTURE & INTERIORS

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|---|---|---|

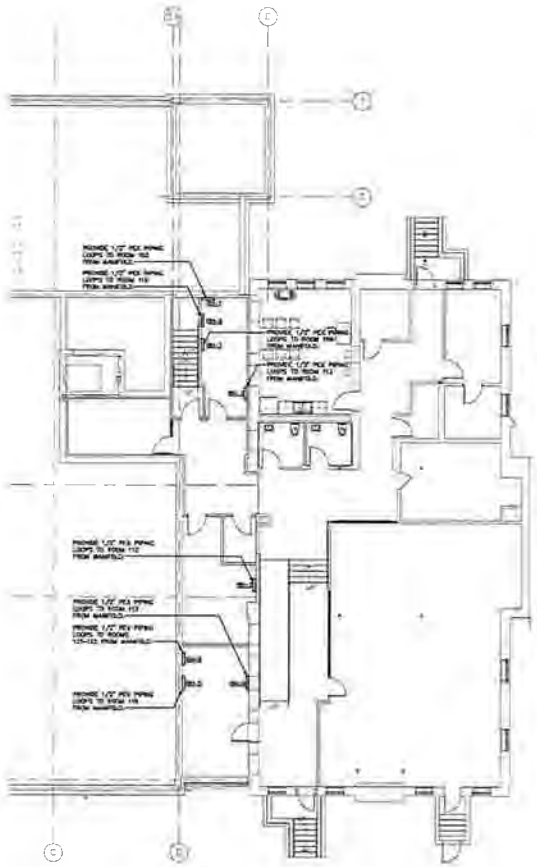
BRIDGEPORT LIBRARY
NEWFIELD LIBRARY
RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ROOF MECHANICAL PLAN

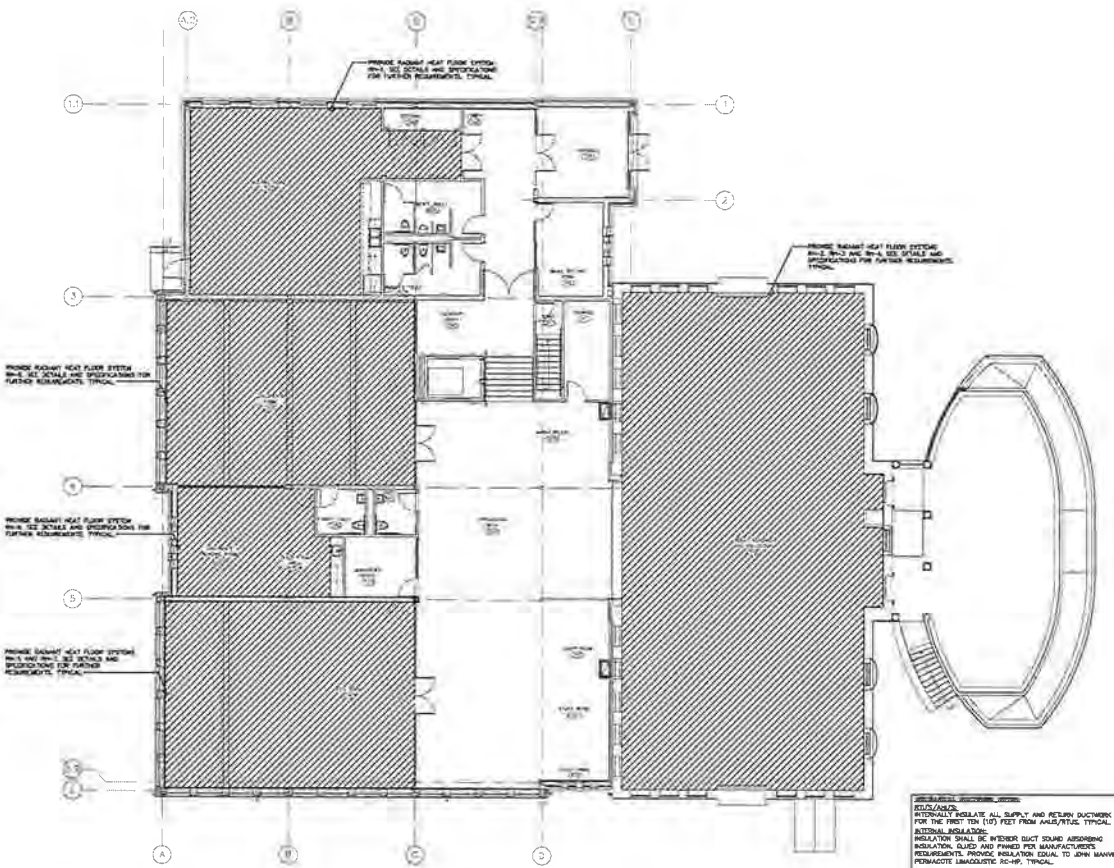
| SCALE: | DRAWN BY: | APPROVED BY: |
|---|---|---|
| As Noted | ST | JAS |

M-103

| DATE: | JOB NUMBER: |
|---|---|
| 09/17 | 14010 |



PARTIAL BASEMENT RADIANT PIPING PLAN
SCALE: 1/8" = 1'-0"



FIRST FLOOR RADIANT PIPING PLAN
SCALE: 1/8" = 1'-0"

**[illegible]**
RTU'S/AHU'S:
INTERNALLY INSULATE ALL SUPPLY AND RETURN DUCTWORK FOR THE FIRST TEN (10') FEET FROM AHUS/RTUS. TYPICAL.
INTERNAL INSULATION:
INSULATION SHALL BE INTERIOR DUCT SOUND ABSORBING INSULATION, GLUED AND PINNED PER MANUFACTURER'S REQUIREMENTS. PROVIDE INSULATION EQUAL TO JOHN MANVILLE PERMACOTE LIMACOUSTIC RC-HP. TYPICAL.
FIRE DAMPERS:
PROVIDE DYNAMIC FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE ASSEMBLY PENETRATIONS. TYPICAL.

**MECHANICAL NOTES:**

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, MOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. COORDINATE ALL WORK WITH EXISTING/PROPOSED CONDITIONS. TYPICAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, PIPING, CONDUIT, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
5. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
7. PROVIDE ALL REQUIRED PENETRATIONS. COORDINATE WITH STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
8. ROUTING OF ALL PIPING/DUCTWORK SHALL BE COORDINATED WITH EXISTING/PROPOSED CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
9. PROVIDE VOLUME DAMPERS AT EACH SUPPLY BRANCH AND MAIN RETURN DUCTS. TYPICAL.

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Wallingford, Connecticut 06492
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| NO. | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

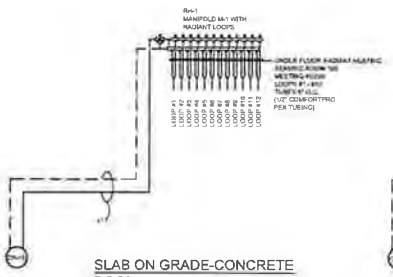
NEWFIELD LIBRARY
RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

RADIANT PIPING FLOOR PLANS

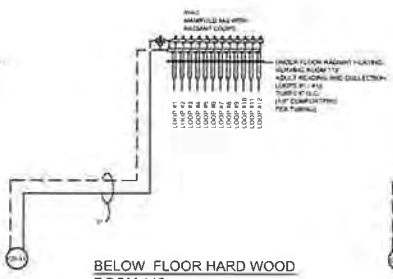
| SCALE | DRAWN BY | REVIEWED BY |
|---|---|---|
| As Noted | [illegible] | AS |

M-104

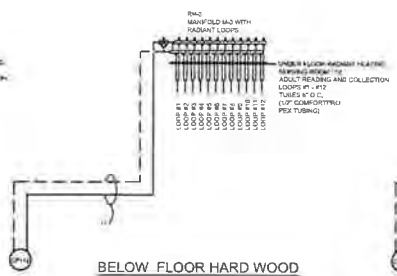
| DATE | JOB NUMBER |
|---|---|
| 09/17 | [illegible] |



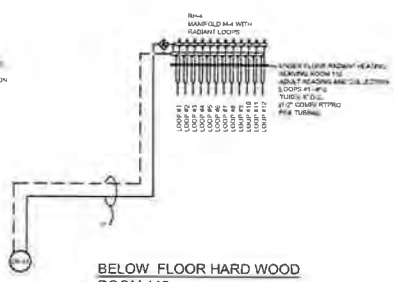
SLAB ON GRADE-CONCRETE
ROOM 103
NOT TO SCALE



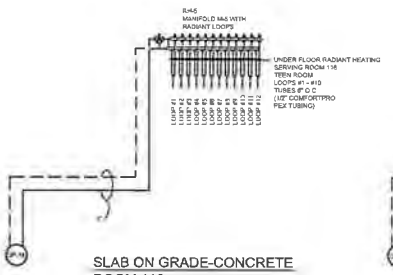
BELOW FLOOR HARD WOOD
ROOM 112
NOT TO SCALE



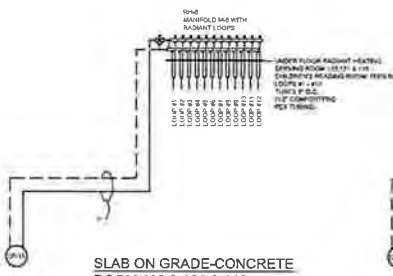
BELOW FLOOR HARD WOOD
ROOM 112
NOT TO SCALE



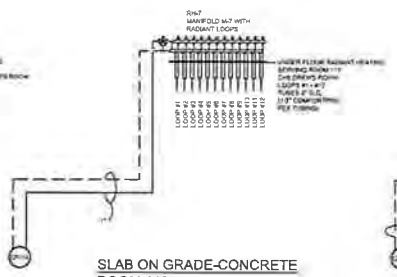
BELOW FLOOR HARD WOOD
ROOM 112
NOT TO SCALE



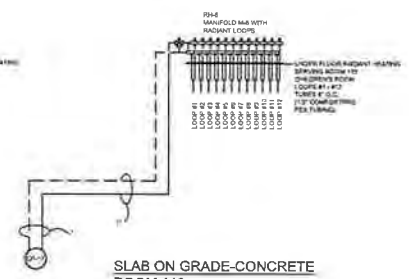
SLAB ON GRADE-CONCRETE
ROOM 116
NOT TO SCALE



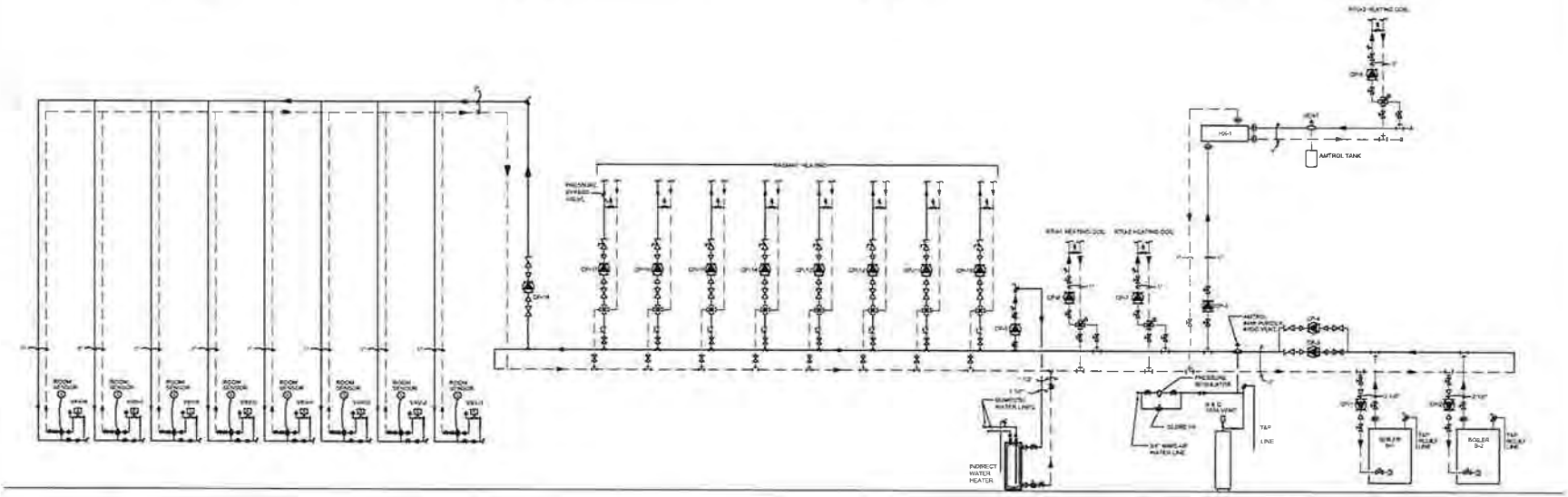
SLAB ON GRADE-CONCRETE
ROOM 122 & 121 & 116
NOT TO SCALE



SLAB ON GRADE-CONCRETE
ROOM 119
NOT TO SCALE



SLAB ON GRADE-CONCRETE
ROOM 119
NOT TO SCALE



HYDRONIC HEATING PIPING SCHEMATIC
NOT TO SCALE

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ARCHITECTURE & INTERIORS

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SUBMITTED 9-29-17
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BRIDGEPORT LIBRARY
NEWFIELD LIBRARY
RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

MECHANICAL SCHEMATICS

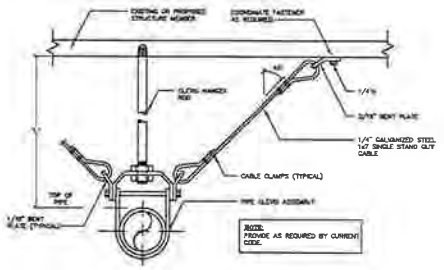
SCALE: As Noted
DRAWN BY: ST
APPROVED BY: SAS

M-201

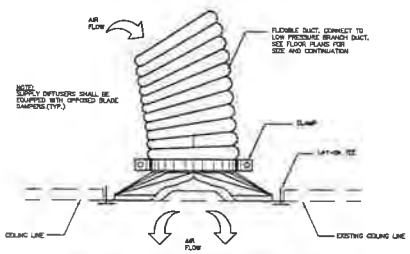
DATE: 09/17
JOB NUMBER: 16010

1 2 3 4 5

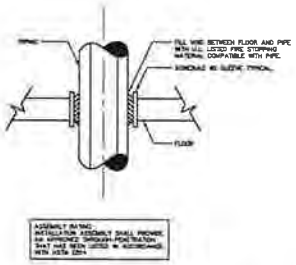
A B C D



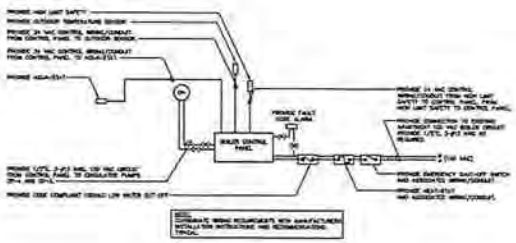
TYPICAL SEISMIC RESTRAINT ASSEMBLY OF SUSPENDED PIPING



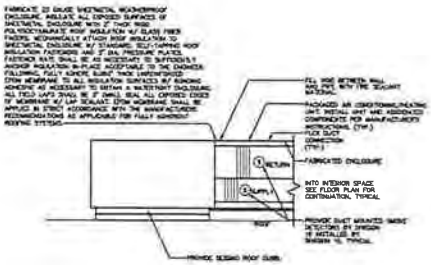
TYPICAL SQUARE DIFFUSER DETAIL SQUARE RETURN GRILLE SIMILAR



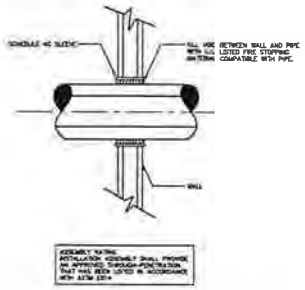
TYPICAL FLOOR PIPE PENETRATION FIRE STOPPING DETAIL



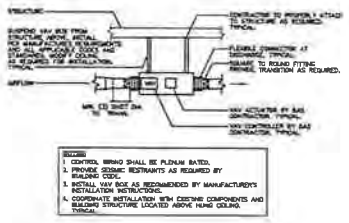
TYPICAL BOILER CONTROL PANEL WIRING DIAGRAM



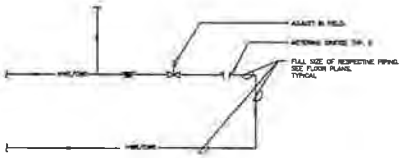
ROOFTOP UNIT DUCTWORK DETAIL



TYPICAL WALL PIPE PENETRATION FIRE STOPPING DETAIL



TYPICAL VAV DAMPER INSTALLATION DETAIL



HOT WATER AND CHILLED WATER BY-PASS VALVE PIPING SCHEMATIC

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RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

MECHANICAL DETAILS

As Noted | BF | IAS

M-202

09/17 | 1601.0

## VAV TERMINAL UNITS

| VAV TERMINAL UNIT NO. | VAV-1 | VAV-2 | VAV-3 | VAV-4 | VAV-5 | VAV-6 | VAV-7 | VAV-8 |
|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

NOTES:
1. PROVIDE CONTROLLERS, MOUNTING HARDWARE, FLEX CONNECTIONS, VIBRATION ISOLATION AND SHEET METAL TRANSITION FITTINGS AS REQUIRED. TYPICAL.
2. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE DETAILS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

## CONDENSING BOILER SCHEDULE

| BOILER NUMBER | B-1 | B-2 |
|---|---|---|
| INPUT MODULATION MBH | [illegible] | [illegible] |
| OUTPUT MBH | [illegible] | [illegible] |
| FUEL | NATURAL GAS | NATURAL GAS |
| MOUNTING | FLOOR | FLOOR |
| MOTOR (V/PH/HZ) | [illegible] | [illegible] |
| DESIGN BASED MODEL | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | [illegible] | [illegible] |

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.
3. PROVIDE THE FOLLOWING ACCESSORIES: OUTDOOR SENSOR, SYSTEM SENSOR, TANK THERMOSTATS, FLOW SWITCH, AUXILIARY HIGH LIMIT SWITCH, LOW WATER CUT OFF, [illegible] KITS, CONDENSATE NEUTRALIZER KITS, DHW RECIRC SENSORS, ALARM CONTACTS AND GAS PRESSURE SWITCH. TYPICAL.
4. [illegible]

## CIRCULATOR PUMP SCHEDULE

| PUMP NO. | CP-1 | CP-2 | CP-3 | CP-4 |
|---|---|---|---|---|
| LOCATION | AS SHOWN | AS SHOWN | AS SHOWN | AS SHOWN |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT |

## CIRCULATOR PUMP SCHEDULE

| PUMP NO. | CP-5 | CP-6 | CP-7 | CP-8 |
|---|---|---|---|---|
| LOCATION | AS SHOWN | AS SHOWN | AS SHOWN | AS SHOWN |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT |

## CIRCULATOR PUMP SCHEDULE

| PUMP NO. | CP-9 | CP-10 | CP-11 | CP-12 |
|---|---|---|---|---|
| LOCATION | AS SHOWN | AS SHOWN | AS SHOWN | AS SHOWN |
| SERVICE | [illegible] | RADIANT FLOOR | RADIANT FLOOR | RADIANT FLOOR |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT |

## CIRCULATOR PUMP SCHEDULE

| PUMP NO. | CP-13 | CP-14 | CP-15 | CP-16 |
|---|---|---|---|---|
| LOCATION | AS SHOWN | AS SHOWN | AS SHOWN | AS SHOWN |
| SERVICE | RADIANT FLOOR | RADIANT FLOOR | RADIANT FLOOR | RADIANT FLOOR |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT |

## CIRCULATOR PUMP SCHEDULE

| PUMP NO. | CP-17 | CP-18 | | |
|---|---|---|---|---|
| LOCATION | AS SHOWN | AS SHOWN | | |
| SERVICE | RADIANT FLOOR | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | |
| DESIGN BASED MANUFACTURER | BELL & GOSSETT | BELL & GOSSETT | | |

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.

## VRF MULTI-SPLIT SYSTEM SCHEDULE

| UNIT NO. | HPU-1 | AC-1 | AC-2 | AC-3 |
|---|---|---|---|---|
| SERVICE | [illegible] | [illegible] | [illegible] | [illegible] |
| LOCATION | ROOF | AS SHOWN | AS SHOWN | AS SHOWN |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | MITSUBISHI | MITSUBISHI | MITSUBISHI | MITSUBISHI |

NOTES:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
2. PROVIDE THE FOLLOWING ACCESSORIES: AC-1 - WALL MOUNTING BRACKETS, CONDENSATE PUMPS, WIRELESS REMOTE CONTROLLER KIT. HPU-1 - ROOFTOP EQUIPMENT SUPPORTS, LOW AMBIENT KIT.

## PACKAGED ROOF-TOP UNIT SCHEDULE

| ROOF TOP UNIT NO. | RTU-1 | RTU-2 | RTU-3 |
|---|---|---|---|
| SERVICE | — | — | — |
| LOCATION | ROOF | ROOF | ROOF |
| SUPPLY AIR FLOW (CFM) | — | — | — |
| RETURN AIR FLOW (CFM) | — | — | — |
| OUTSIDE AIR FLOW (CFM) | — | — | — |
| ROOF TOP UNIT TYPE | — | — | — |
| COOLING COIL (TOTAL MBH) | — | — | — |
| [illegible] | — | — | — |
| REFRIGERANT TYPE | — | — | — |
| BLOWER TYPE | — | — | — |
| LOCAL DISCONNECT | YES | YES | YES |
| ELECTRICAL CHARACTERISTICS (V/PH/HZ) | — | — | — |
| ECONOMIZER | YES | YES | YES |
| POWER EXHAUST | YES | YES | YES |
| APPROXIMATE UNIT WEIGHT (LBS) | — | — | — |
| DESIGN BASED MODEL | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | TRANE | TRANE | TRANE |

NOTES:
1. SEE SPECIFICATIONS/DRAWINGS FOR FURTHER REQUIREMENTS.
2. ALL ROOF-TOP UNITS SHALL BE SUPPLIED WITH THE FOLLOWING FACTORY SUPPLIED ACCESSORIES. TYPICAL.
   a. [illegible] ECONOMIZER (DIFFERENTIAL ENTHALPY CONTROLLED)
   b. THRU BASE ELECTRICAL
      1. DISCONNECT SWITCH (NEMA 3R)
      2. POWER CONVENIENCE OUTLET GFCI (FACTORY WIRED SINGLE POINT CONNECTIONS)
   c. BLACK EPOXY COATED CONDENSER COIL.
   d. POWER EXHAUST.
   e. SERVICE VALVES.
   f. LOW AMBIENT CONTROL.
   g. VAV SUPPLY AIR TEMPERATURE CONTROL AND VFD
   h. DISCHARGE TEMPERATURE SENSOR.
   i. STAINLESS STEEL BASE PANS.
   j. CLOGGED FILTER SWITCH.
   k. BACNET INTERFACE TO BAS.

## REGISTER, GRILLE AND DIFFUSER SCHEDULE

| AIR INLET/OUTLET TYPE | NECK SIZE | TYPE | MAX. CFM | MANUFACTURER | MODEL | FINISH AND ACCESSORIES |
|---|---|---|---|---|---|---|
| [illegible] | — | 4-WAY | — | PRICE | [illegible] | SEE NOTES BELOW |
| [illegible] | — | 4-WAY | — | PRICE | [illegible] | SEE NOTES BELOW |
| [illegible] | — | 4-WAY | — | PRICE | [illegible] | SEE NOTES BELOW |
| [illegible] | — | 4-WAY | — | PRICE | [illegible] | SEE NOTES BELOW |
| [illegible] | — | 4-WAY | — | PRICE | [illegible] | SEE NOTES BELOW |
| [illegible] | — | [illegible] | — | PRICE | [illegible] | SEE NOTES BELOW |
| [illegible] | — | RETURN | — | PRICE | [illegible] | SEE NOTES BELOW |
| [illegible] | — | RETURN | — | PRICE | [illegible] | SEE NOTES BELOW |
| [illegible] | — | RETURN | — | PRICE | [illegible] | SEE NOTES BELOW |
| [illegible] | — | RETURN | — | PRICE | [illegible] | SEE NOTES BELOW |
| [illegible] | — | RETURN | — | PRICE | [illegible] | SEE NOTES BELOW |

NOTES:
1. COORDINATE FINISH WITH ARCHITECT.
2. DIFFUSERS SHALL BE PROVIDED TO MOUNT IN 24"x24" T-BAR LAYIN CEILING OR HARD CEILING.
3. ALL AIR INLETS AND OUTLETS SHALL BE CONSTRUCTED OF EXTRUDED ALUMINUM. TYPICAL.
4. PROVIDE ALL MANUFACTURER ACCESSORIES FOR COMPLETE AND APPROPRIATE INSTALLATION. TYPICAL.

## EXHAUST FAN SCHEDULE

| EXHAUST FAN NO. | EF-1 | EF-2 | EF-3 |
|---|---|---|---|
| SERVICE | — | — | — |
| LOCATION | — | — | — |
| AIR FLOW (SCFM) | — | — | — |
| EXT. STATIC PRESS. (in.) | — | — | — |
| WHEEL TYPE | CENTRIFUGAL | CENTRIFUGAL | CENTRIFUGAL |
| [illegible] | [illegible] | [illegible] | [illegible] |

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS. TYPICAL.
2. INSTALL EXHAUST FANS AND ACCESSORIES PER MANUFACTURER'S INSTALLATION INSTRUCTION. TYPICAL.
3. COORDINATE WITH DIVISION 26 AND ALL WORK WITH OTHER PROJECT DISCIPLINES. TYPICAL.

## EXPANSION TANK SCHEDULE

| EXPANSION TANK NO. | ET-1 |
|---|---|
| LOCATION | BOILER ROOM |
| SERVICE | DOMESTIC WATER HEATER |
| [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | BELL AND GOSSETT |

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.

## ENERGY RECOVERY UNIT SCHEDULE

| ENERGY RECOVERY UNIT NO. | ERV-1 | ERV-2 |
|---|---|---|
| LOCATION | AS SHOWN | AS SHOWN |
| [illegible] | [illegible] | [illegible] |

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.

## MECHANICAL ABBREVIATIONS

| | |
|---|---|
| AD | ACCESS DOOR |
| AF | AIR FILTER |
| AFF | ABOVE FINISHED FLOOR |
| AHU | AIR HANDLING UNIT |
| AMP | AMPERE |
| BDD | BACK DRAFT DAMPER |
| BHP | BRAKE HORSE POWER |
| BTU | BRITISH THERMAL UNIT |
| BTUH | BRITISH THERMAL UNIT/HOUR |
| CENTRIF | CENTRIFUGAL |
| CFM | CUBIC FEET PER MINUTE |
| DB | DRY BULB |
| EAT | ENTERING AIR TEMPERATURE |
| EF | EXHAUST FAN |
| ESP | EXTERNAL STATIC PRESSURE |
| EXH | EXHAUST |
| FD | FIRE DAMPER |
| FFF | FROM FINISHED FLOOR |
| FPM | FEET PER MINUTE |
| FPS | FEET PER SECOND |
| FT | FEET |
| GPM | GALLONS PER MINUTE |
| HP | HORSEPOWER |
| HT | HEIGHT |
| ID | INSIDE DIAMETER |
| IN | INCHES |
| L | LENGTH |
| LAT | LEAVING AIR TEMPERATURE |
| LVR | LOUVER |
| LWT | LEAVING WATER TEMPERATURE |
| MAX | MAXIMUM |
| MBH | THOUSAND BTU/HOUR |
| MIN | MINIMUM |
| NG | NATURAL GAS |
| NTS | NOT TO SCALE |
| OA | OUTSIDE AIR |
| OBD | OPPOSED BLADE DAMPER |
| PRV | PRESSURE RELIEF VALVE |
| PSIA | POUNDS PER SQUARE INCH ABSOLUTE |
| PSIG | POUNDS PER SQUARE INCH GAUGE |
| RH | RELATIVE HUMIDITY |
| RPM | REVOLUTIONS PER MINUTE |
| SENS | SENSOR |
| SF | SUPPLY FAN |
| S | SMOKE DETECTOR |
| SP | STATIC PRESSURE |
| TEMP | TEMPERATURE |
| TONS | TONS OF REFRIGERATION |

## MECHANICAL SYMBOL LIST

| | |
|---|---|
| [symbol] | NEGATIVE PRESSURE OR AIR INLET DUCTWORK |
| [symbol] | POSITIVE PRESSURE OR AIR OUTLET DUCTWORK |
| [symbol] | DUCT WORK, DIRECTION OF FLOW |
| [symbol] | FLEXIBLE DUCT WORK |
| FD/AD | FIRE DAMPER WITH ACCESS DOOR |
| [symbol] | SUPPLY DIFFUSER GRILLE TYPE |
| [symbol] | RETURN GRILLE TYPE |
| [symbol] | EXHAUST GRILLE TYPE |
| Ø | DIAMETER |
| [symbol] | PIPING |
| T S | THERMOSTAT/SENSOR |
| VD | VOLUME DAMPER |

## MECHANICAL GENERAL NOTES

1. REFER TO SPECIFICATIONS AND BID DOCUMENTS FOR ADDITIONAL CONTRACT REQUIREMENTS.
2. MECHANICAL DRAWINGS TO BE USED IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, PLUMBING AND ELECTRICAL DRAWINGS.
3. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO DRAWING NOTES.
4. MECHANICAL DRAWINGS DO NOT NECESSARILY SHOW ALL RELATED WORK. CONTRACTOR TO USE ALL DRAWINGS IN CONTRACT DOCUMENTS FOR DIVISION 15 MECHANICAL WORK.
5. UNLESS OTHERWISE INDICATED, PROVIDE A COMPLETE AND OPERATIONAL MECHANICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
6. [illegible]
7. PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS VISIBLE AND/OR HIDDEN THAT MAY EXIST. [illegible]
8. [illegible]
9. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
10. [illegible]
11. COORDINATE WORK WITH OTHER DIVISIONS AND SPECIFICATIONS ON THIS PROJECT.
12. [illegible]
13. ALL EQUIPMENT REQUIRED TO BE LISTED OR APPROVED BY A TESTING LABORATORY SHALL BEAR A LABEL OF SUCH LABORATORY.
14. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
15. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT RECOGNIZED:
    A. CONNECTICUT BASIC BUILDING CODE AND SUPPLEMENTS
    B. INTERNATIONAL ENERGY CONSERVATION CODE
    C. INTERNATIONAL PLUMBING CODE
    D. INTERNATIONAL MECHANICAL CODE
    E. NATIONAL ELECTRIC CODE
16. IF A MANUFACTURER OF EQUIPMENT REQUIRES LARGER CAPACITY CIRCUITRY AND/OR EQUIPMENT; THE CONTRACTOR SHALL PROVIDE SUCH CAPACITY AND/OR EQUIPMENT UNDER HIS CONTRACT AT NO COST TO THE OWNER.
17. [illegible]
18. THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS AND RELATED ATTACHMENTS)".
19. THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY".
20. [illegible] WHICH ARE [illegible] KEPT CLEAR [illegible]
21. COORDINATE ALL WORK WITH THE OWNER'S REPRESENTATIVE.
22. PROVIDE ALL CRANES, RIGGING AND STREET STAGING, AND TRAFFIC CONTROL NEEDED TO INSTALL EQUIPMENT PROVIDED.
23. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR THE LOCATION OF MECHANICAL AND ELECTRICAL ITEMS TO BE INSTALLED IN THE CEILING.
24. UNLESS OTHERWISE INDICATED, PROVIDE CONTROL WIRING FOR ALL MECHANICAL SYSTEM EQUIPMENT.
25. CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 16.
26. UNLESS OTHERWISE INDICATED, SUPPORT PIPES WITH HANGER SPACING IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.
27. [illegible]
28. [illegible]
29. [illegible]
30. [illegible]
31. [illegible]
32. [illegible]
33. [illegible]
34. [illegible]
35. [illegible]
36. ALL VOIDS BETWEEN PIPES SHALL BE FILLED WITH A FIRE TESTED AND APPROVED ELASTOMERIC CAULKING MATERIAL.
37. ALL WORK [illegible] IN ACCORDANCE WITH STATE AND [illegible]

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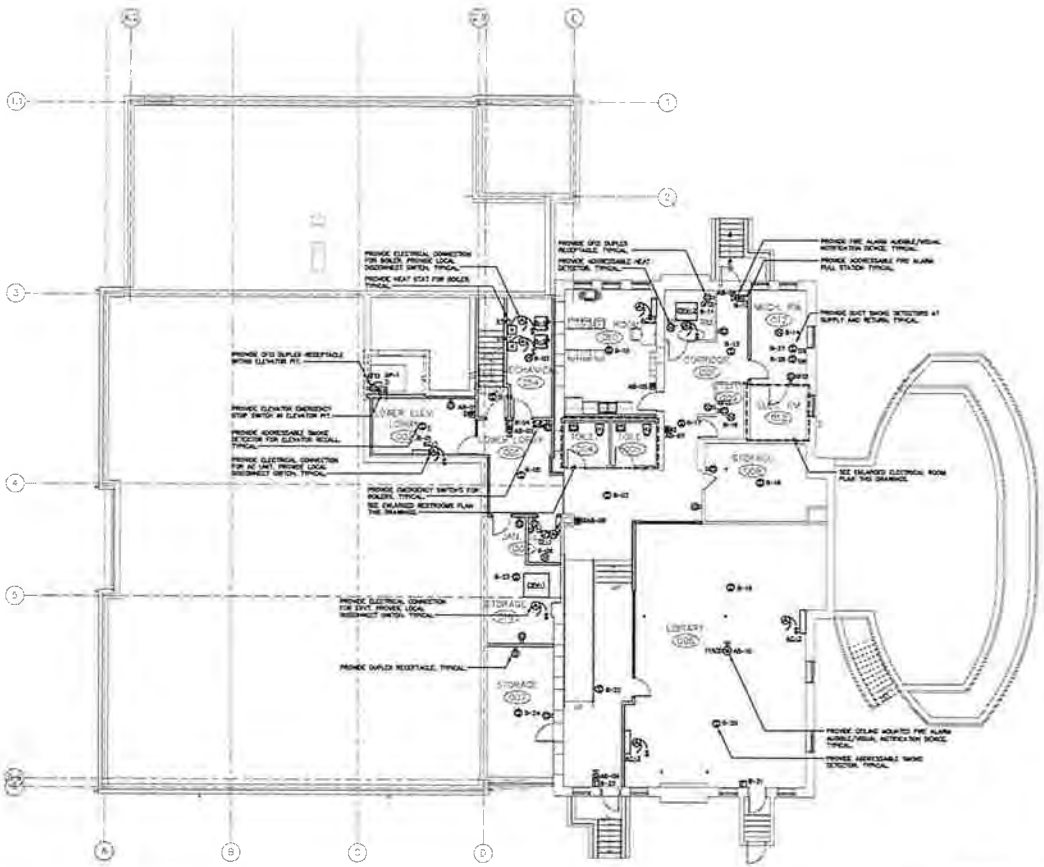
MECHANICAL SCHEDULES, SYMBOLS, NOTES AND ABBREVIATIONS

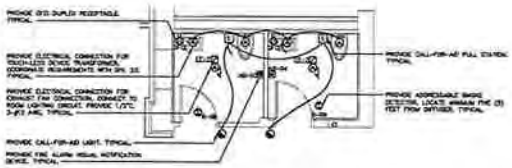
SCALE: As Noted | DRAWN BY: ST | CHECKED BY: JAS

M-301

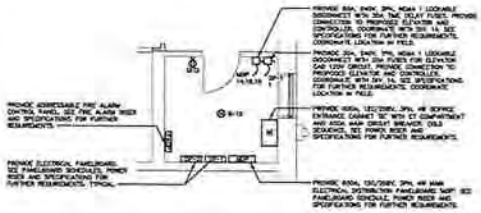
09-17



BASEMENT ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"



ENLARGED RESTROOMS PLAN
SCALE: 1/4" = 1'-0"



ENLARGED ELECTRICAL ROOM PLAN
SCALE: 1/4" = 1'-0"

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BASEMENT ELECTRICAL PLAN

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E-101

| DATE: | JOB NUMBER: |
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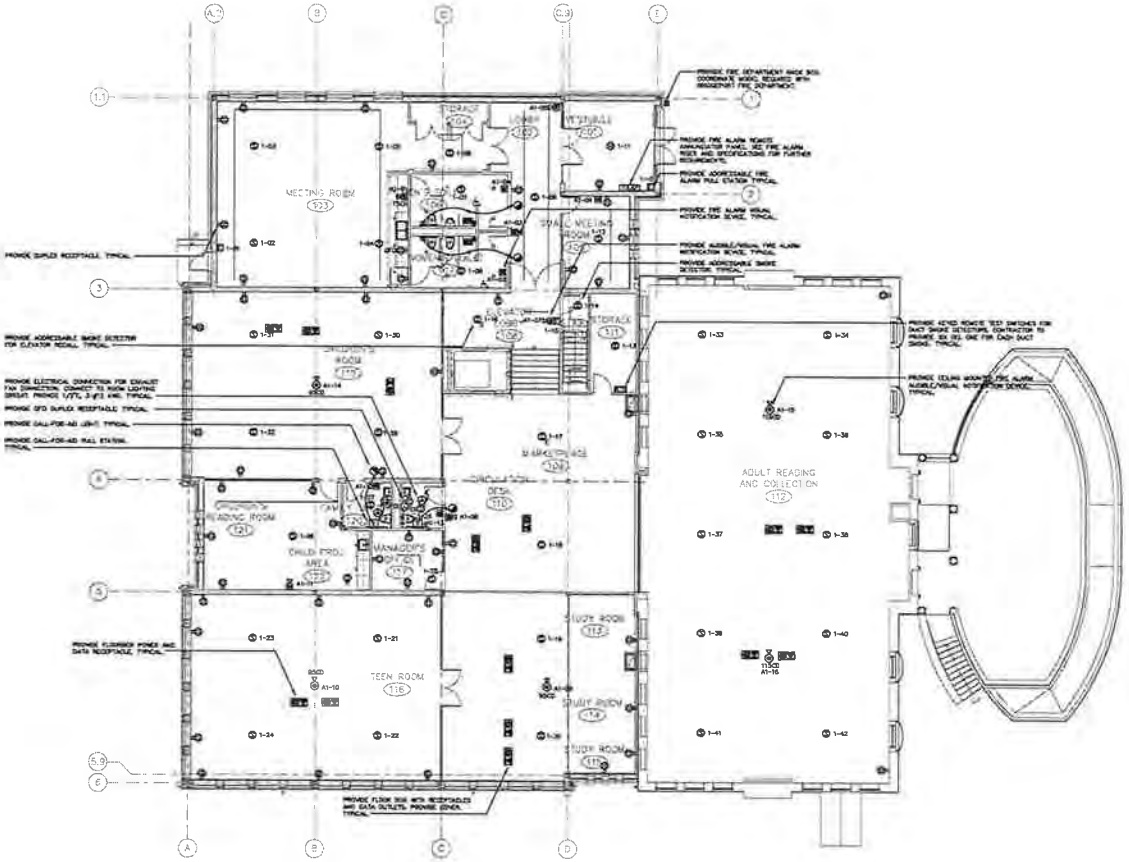


FIRST FLOOR ELECTRICAL PLAN

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

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ELECTRICAL PLAN

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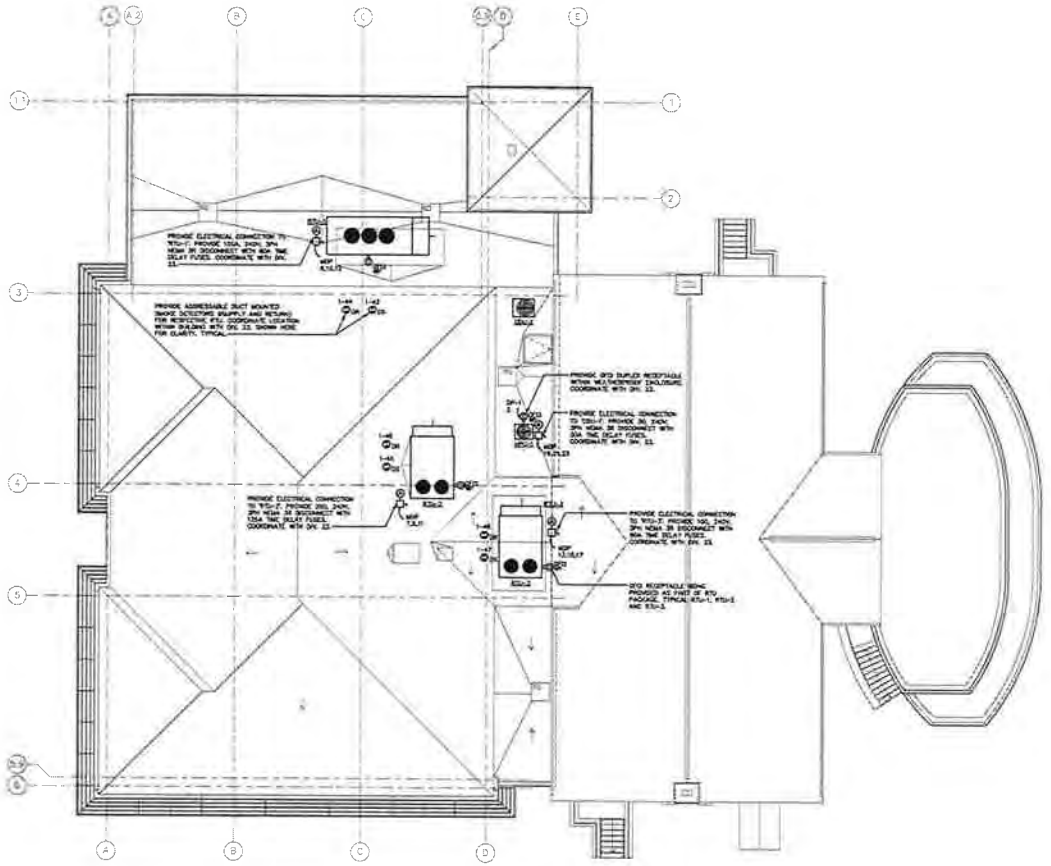

ROOF ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

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ROOF ELECTRICAL PLAN

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E-103

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|---|---|
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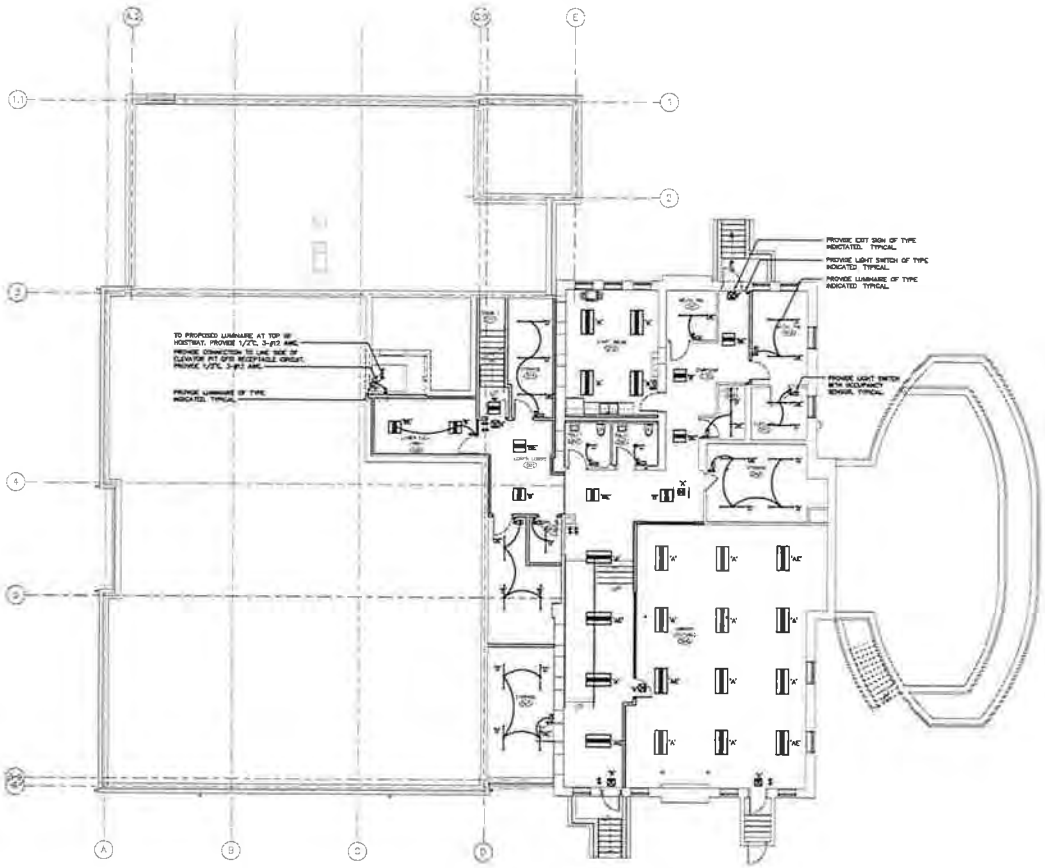


BASEMENT LIGHTING PLAN
SCALE: 1/8" = 1'-0"

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BASEMENT LIGHTING PLAN

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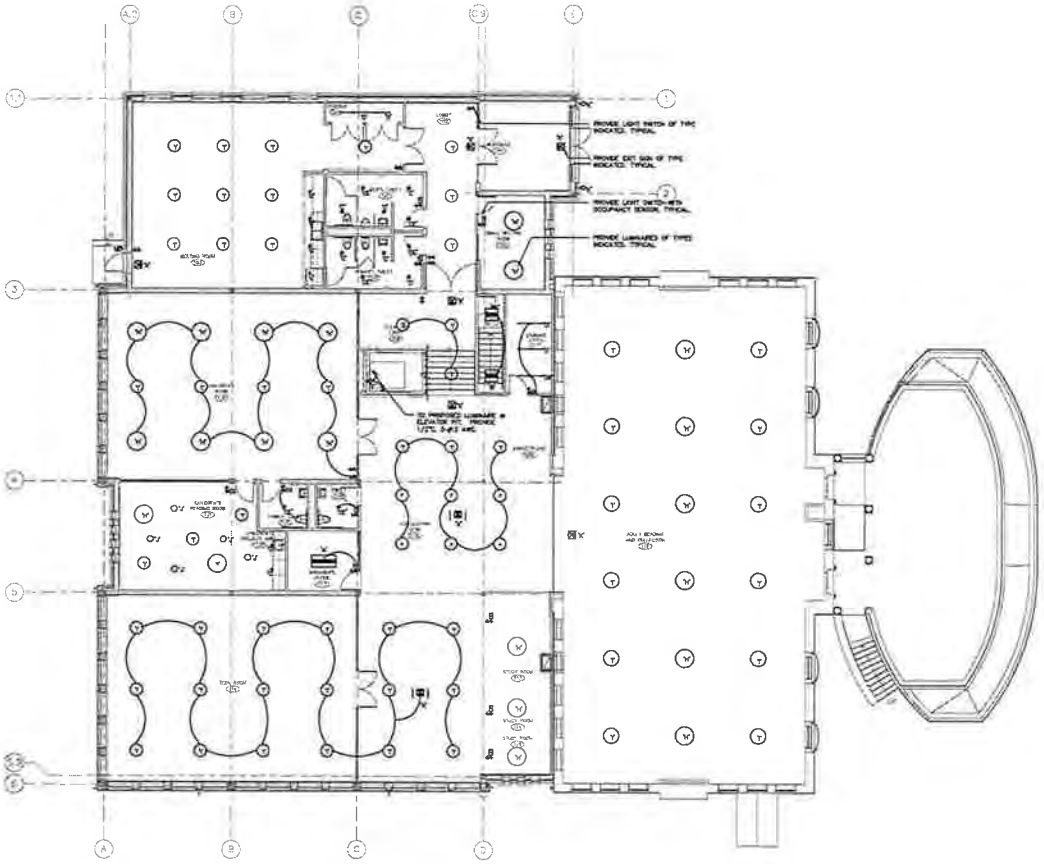

FIRST FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

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FIRST FLOOR
LIGHTING PLAN

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|---|---|---|
| As Noted | [illegible] | JAS |

DRAWING NO.
E-202

| DATE | JOB NUMBER |
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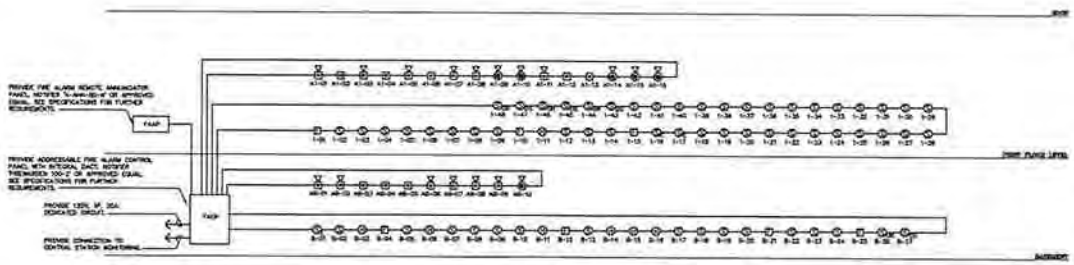
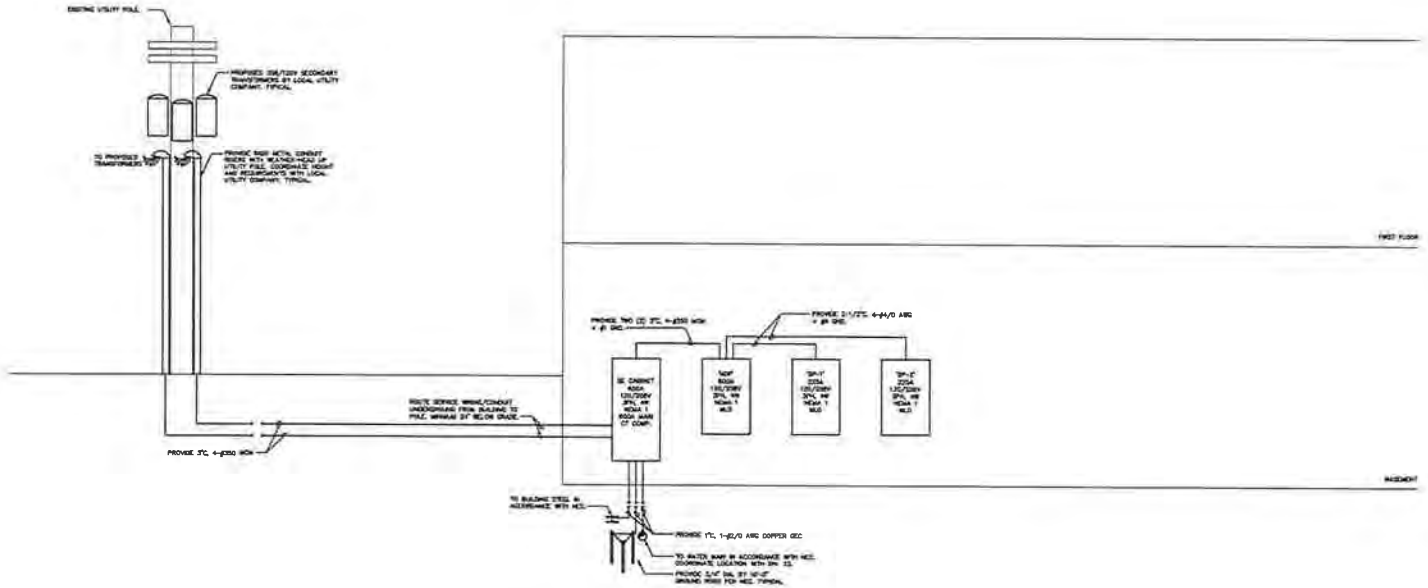


FIRE ALARM RISER DIAGRAM
SCALE: N.T.S.



POWER RISER DIAGRAM
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ELECTRICAL RISER DIAGRAMS

SCALE: As Noted | DRAWN BY: FB | APPROVED BY: JAS

E-301

DATE: 09/17 | JOB NUMBER: 16010

| PANELBOARD MDP | Class: <br> Type: SPECTRA SERIES | Short Circuit Rating (Min.): 42 KAIC <br> Remark: |
|---|---|---|
| SERVICE | 120/208 Volts 3 Phase 4 Wire | S/E Label: NO |
| PANELBOARD CONFIGURATION | [illegible] AMPERE MAIN BUS <br> Trim: SURFACE | Entrance: TOP/BOTTOM <br> Equipment Ground Bus: YES |
| MAIN | Type: MLO <br> Wire Size: SEE RISER | Enclosure: NEMA 1 |
| BRANCH CIRCUITS | Branch Protective Devices: (MOLDED CASE CIRCUIT BREAKERS) | |

| Circ No | Circuit Designation | KVA Load | Pole | Trip Amps | Frame Amps | Wire (min.) | See Remark |
|---|---|---|---|---|---|---|---|
| 1 | DP-1 | – | 3 | 225 | 225 | SEE RISER | |
| 2 | DP-2 | – | 3 | 225 | 225 | SEE RISER | |
| 3 | - - - | - | - | - | - | - - - | |
| 4 | - - - | - | - | - | - | - - - | |
| 5 | - - - | - | - | - | - | - - - | |
| 6 | - - - | - | - | - | - | - - - | |
| 7 | RTU-2 | 34.4 | 3 | 125 | 125 | 1-1/4"C, 3-#2 AWG + #6 GND | |
| 8 | RTU-1 | 30.7 | 3 | 80 | 100 | 1"C, 3-#4 AWG + #8 GND | |
| 9 | - - - | - | - | - | - | - - - | |
| 10 | - - - | - | - | - | - | - - - | |
| 11 | - - - | - | - | - | - | - - - | |
| 12 | - - - | - | - | - | - | - - - | |
| 13 | RTU-3 | 21.5 | 3 | 60 | 100 | 1"C, 3-#4 AWG + #8 GND | |
| 14 | ELEVATOR | 10.1 | 3 | 30 | 100 | 1/2"C, 4-#10 AWG | |
| 15 | - - - | - | - | - | - | - - - | |
| 16 | - - - | - | - | - | - | - - - | |
| 17 | - - - | - | - | - | - | - - - | |
| 18 | - - - | - | - | - | - | - - - | |
| 19 | MPU-1 | 6.2 | 3 | 30 | 100 | 1/2"C, 4-#10 AWG | |
| 20 | - - - | - | - | - | - | - - - | |
| 21 | - - - | - | - | - | - | - - - | |
| 22 | - - - | - | - | - | - | - - - | |
| 23 | - - - | - | - | - | - | - - - | |
| 24 | - - - | - | - | - | - | - - - | |
| 25 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 26 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 27 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 28 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 29 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 30 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 31 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 32 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 33 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 34 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 35 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 36 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 37 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 38 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 39 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 40 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 41 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 42 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| | TOTAL KVA: | - | | | | | |

[illegible]

| PANELBOARD DP-1 | Class: <br> Type: AQ | Short Circuit Rating (Min.): 22 KAIC <br> Remark: |
|---|---|---|
| SERVICE | 120/208 Volts 3 Phase 4 Wire | S/E Label: NO |
| PANELBOARD CONFIGURATION | 225 AMPERE MAIN BUS <br> Trim: SURFACE | Entrance: TOP/BOTTOM <br> Equipment Ground Bus: YES |
| MAIN | Type: MLO <br> Wire Size: SEE RISER | Enclosure: NEMA 1 |
| BRANCH CIRCUITS | Branch Protective Devices: (MOLDED CASE CIRCUIT BREAKERS) | |

| Circ No | Circuit Designation | KVA Load | Pole | Trip Amps | Frame Amps | Wire (min.) | See Remark |
|---|---|---|---|---|---|---|---|
| 1 | ELEVATOR CAB | 0.3 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 2 | GFCI RECEPT - ROOF CRU-1 | 0.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 3 | ELEVATOR PIT/HOISTWAY | 0.3 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 4 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 5 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 6 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 7 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 8 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 9 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 10 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 11 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 12 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 13 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 14 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 15 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 16 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 17 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 18 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 19 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 20 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 21 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 22 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 23 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 24 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 25 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 26 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 27 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 28 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 29 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 30 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 31 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 32 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 33 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 34 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 35 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 36 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 37 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 38 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 39 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 40 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 41 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 42 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| | TOTAL KVA: | - | | | | | |

| PANELBOARD DP-2 | Class: <br> Type: AQ | Short Circuit Rating (Min.): 22 KAIC <br> Remark: |
|---|---|---|
| SERVICE | 120/208 Volts 3 Phase 4 Wire | S/E Label: NO |
| PANELBOARD CONFIGURATION | 225 AMPERE MAIN BUS <br> Trim: SURFACE | Entrance: TOP/BOTTOM <br> Equipment Ground Bus: YES |
| MAIN | Type: MLO <br> Wire Size: SEE RISER | Enclosure: NEMA 1 |
| BRANCH CIRCUITS | Branch Protective Devices: (MOLDED CASE CIRCUIT BREAKERS) | |

| Circ No | Circuit Designation | KVA Load | Pole | Trip Amps | Frame Amps | Wire (min.) | See Remark |
|---|---|---|---|---|---|---|---|
| 1 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 2 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 3 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 4 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 5 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 6 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 7 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 8 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 9 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 10 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 11 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 12 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 13 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 14 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 15 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 16 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 17 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 18 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 19 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 20 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 21 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 22 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 23 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 24 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 25 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 26 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 27 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 28 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 29 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 30 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 31 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 32 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 33 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 34 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 35 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 36 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 37 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 38 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 39 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 40 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 41 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 42 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| | TOTAL KVA: | - | | | | | |


ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS


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SEPTEMBER 25, 2017
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SALAMONE & ASSOCIATES, P.C.
CONSULTING ENGINEERS


REVISIONS

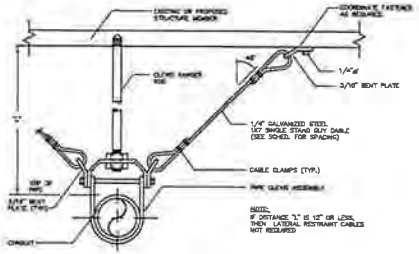
BRIDGEPORT LIBRARY
NEWFIELD LIBRARY
RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

PANELBOARD SCHEDULES

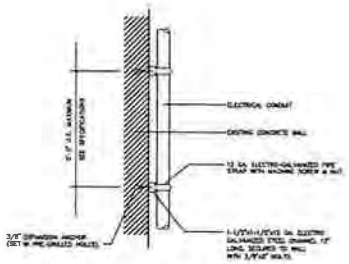
As Noted | FB | JAS

E-302

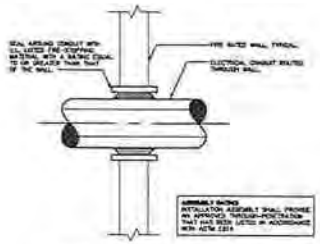
09/17 | 16010



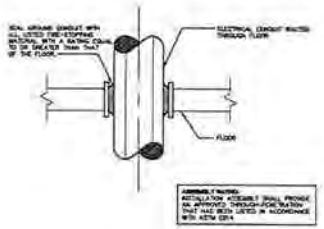
TYPICAL SEISMIC RESTRAINT ASSEMBLY OF SUSPENDED CONDUIT



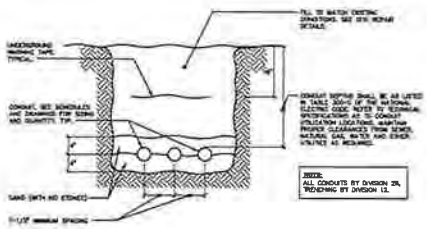
TYPICAL VERTICAL CONDUIT SUPPORT DETAIL



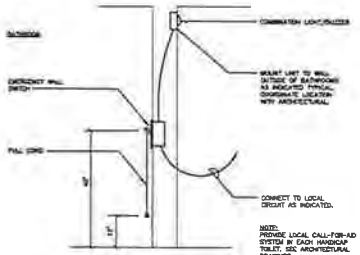
TYPICAL CONDUIT WALL PENETRATION DETAIL



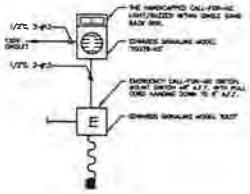
TYPICAL CONDUIT FLOOR PENETRATION DETAIL



TYPICAL TRENCH DETAIL



CALL-FOR-AID DETAIL



CALL-FOR-AID DETAIL

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ELECTRICAL DETAILS

As Noted | FB | IAS

E-401

09.17

## INTERIOR LIGHT FIXTURE SCHEDULE

| LTG. CODE | DESCRIPTIONS | VOLTS | CATALOG NO./ MANUFACTURER | MOUNTING | LAMP (G.E. OR EQUAL) |
|---|---|---|---|---|---|
| 'A' | 2'X4' ARCHITECTURAL RECESSED GRID MOUNTED LED FIXTURE, SMOOTH ACRYLIC DIFFUSER, WHITE FINISH, UL LISTED | UNV | 2FFG54LED35-4-D-UNV PHILIPS DAYBRITE | CEILING/ RECESSED | LED |
| 'AE' | FIXTURE TYPE 'A' WITH EMERGENCY BALLAST. | UNV | | CEILING/ RECESSED | LED |
| 'B' | 2'X2' ARCHITECTURAL RECESSED GRID MOUNTED LED FIXTURE, SMOOTH ACRYLIC DIFFUSER, WHITE FINISH, UL LISTED | UNV | 2FFG42LED40-2-D-UNV PHILIPS DAYBRITE | CEILING/ RECESSED | LED |
| 'BE' | FIXTURE TYPE 'B' WITH 1100 LUMEN EMERGENCY DRIVER. | UNV | | CEILING/ RECESSED | LED |
| 'C' | 6" ARCHITECTURAL LED DOWNLIGHT WITH WIDE DISTRIBUTION CLEAR SPECULAR REFLECTOR, UL LISTED. | UNV | [illegible] PHILIPS OMEGA | CEILING/ RECESSED | LED |
| 'CE' | FIXTURE TYPE 'C' WITH EMERGENCY DRIVER. | UNV | | CEILING/ RECESSED | LED |
| 'D' | 4' LED STRIP LIGHT, UL LISTED. | UNV | | CEILING/ SUSPENDED | LED |
| 'DE' | FIXTURE TYPE 'D' WITH EMERGENCY DRIVER. | UNV | | CEILING/ SUSPENDED | LED |
| 'F' | GASKETED VAPOR TIGHT DIE CAST ALUMINUM LED FIXTURE WITH GLOBE AND GUARD. 670 LUMEN OUTPUT. 3000K COLOR TEMP. R POWDER FINISH. 5 YEAR WARRANTY. UL LISTED WET LOCATIONS. | UNV | TLED504-20-V3-1W TRACE LITE | SURFACE/ WALL | LED |
| 'G' | 4' ROUND ARCHITECTURAL RECESSED MOUNTED LED FIXTURE UL LISTED. | UNV | | CEILING/ RECESSED | LED |
| 'H' | 36" LED BOWL PENDANT, UL LISTED. | UNV | | CEILING/ SUSPENDED | LED |
| 'I' | 24" LED BOWL PENDANT, UL LISTED. | UNV | | CEILING/ SUSPENDED | LED |
| 'J' | 12" LED BOWL PENDANT, UL LISTED. | UNV | | CEILING/ SUSPENDED | LED |
| 'K' | EXTERIOR LED WALL SCONCE, UL LISTED WET LOCATIONS. | UNV | | SURFACE/ WALL | LED |
| 'X' | LED EXIT SIGN. IMPACT RESISTANT THERMOPLASTIC WHITE HOUSING, RED FACE PLATES WITH UNIVERSAL CHEVRONS AND MOUNTING. LOW ENERGY CONSUMPTION. SELF DIAGNOSTICS. 90 MINUTE MAINTENANCE FREE NICKEL CADMIUM BATTERY. 5 YEAR WARRANTY. UL LISTED. | UNV | CGOL3RW PHILIPS CHLORIDE | UNIVERSAL | LED |

## CALL FOR AID SYMBOL LIST

| | |
|---|---|
| E | EMERGENCY CALL SENSE |
| | EMERGENCY CALL FOR AID LIGHT/HORN |

## ELECTRICAL ABBREVIATIONS

| | |
|---|---|
| A | AMPERES |
| A.F.F. | ABOVE FINISHED FLOOR |
| AWG | AMERICAN WIRE GAUGE |
| C | CONDUIT |
| CIR | CIRCUIT |
| E | EMERGENCY |
| FA | FIRE ALARM |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL |
| FACP | FIRE ALARM CONTROL PANEL |
| G | GROUNDED |
| HP | HORSEPOWER |
| KAIC | INTERRUPTING CAPACITY (KILOAMPERE) |
| KVA | KILOVOLT-AMPERE |
| KW | KILOWATT |
| NEC | NATIONAL ELECTRIC CODE |
| NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASS. |
| P | POLE |
| UL | UNDERWRITER'S LABORATORY |
| UTIL | UTILITY |
| V | VOLTS |
| VA | VOLT-AMPERES |
| W | WATTS |
| # | WIRE SIZE IN AWG, OR NOS WHEN INDICATED |

## FIRE ALARM SYMBOL LIST

| | | |
|---|---|---|
| S | ADDRESSABLE SMOKE DETECTOR | |
| H | ADDRESSABLE HEAT DETECTOR | |
| K | KNOX BOX | |
| M | ADDRESSABLE MODULE | |
| F | MANUAL PULL STATION, MOUNT 48" A.F.F. | |
| FACP | FIRE ALARM CONTROL PANEL | |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL | |
| | HORN/STROBE - MOUNT 7'-6" A.F.F. | SS: SPEAKER/STROBE WP: WEATHERPROOF |
| | STROBE - MOUNT 7'-6" A.F.F. | |
| | HORN/STROBE - CEILING MOUNTED | SS: SPEAKER/STROBE WP: WEATHERPROOF |
| | STROBE - CEILING MOUNTED | WP: WEATHERPROOF |
| | ADDRESSABLE DUCT MOUNTED SMOKE DETECTOR | DS: SUPPLY DUCT DR: RETURN DUCT |
| | ADDRESSABLE ELEVATOR RECALL SMOKE DETECTOR | |

## ELECTRICAL SYMBOL LIST

| | |
|---|---|
| | CEILING OR WALL MOUNTED EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED ON PLANS |
| | EXIT SIGN SHADING INDICATES LIGHTED FACE |
| | DUPLEX RECEPTACLE<br>GFCI - GROUND FAULT CIRCUIT INTERRUPTER<br>IG - ISOLATED GROUND<br>WP - WEATHERPROOF<br>L - LOCKABLE COVER |
| | ELECTRIC RANGE RECEPTACLE |
| | DRYER RECEPTACLE |
| | SPECIAL PURPOSE CONNECTION |
| | SWITCH<br>(NONE) - SINGLE POLE<br>2 - TWO POLE<br>3 - THREE WAY<br>4 - FOUR WAY<br>D - DIMMER<br>TOL - THERMAL OVERLOAD PROTECTION DEVICE |
| | COMBINATION STARTER/DISCONNECT SWITCH |
| | DISCONNECT SWITCH |
| | TELE/DATA OUTLET |
| | HIGH SPEED INTERNET OUTLET |
| TV | CABLE TV OUTLET |
| | AUTOMATIC DOOR OPENER |
| | CARD ACCESS READER |
| | DOOR RELEASE |
| | PTZ SECURITY CAMERA |
| | PTZ SECURITY CAMERA WITHIN WEATHERPROOF DOME |
| | AUTOMATIC DOOR OPENER SWITCH W/ HANDICAP LOGO |
| 1LP1 2 | BRANCH CIRCUIT HOMERUN (ARROWS INDICATE CIRCUIT NUMBERS) |

## ELECTRICAL GENERAL NOTES

1. SEE SPECIFICATIONS, DIVISION 26 ELECTRICAL.
2. PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
3. ELECTRICAL PLANS AND DETAILS AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE ELECTRICAL SYSTEM. THEY ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT BODIES, CONNECTORS, BENDS, FITTINGS, HANGERS AND ADDITIONAL PULL AND JUNCTION BOXES.
4. PROVIDE BUILDING FIRE ALARM SYSTEM.
5. ALL EQUIPMENT AND MATERIAL SHALL BE LABELED, LISTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
6. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
7. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
8. THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC WITH CT AMENDMENTS.
9. THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS, DRAWINGS AND RELATED ATTACHMENTS)".
10. THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY".
11. THE TERM "SIZE" SHALL MEAN ONE OR MORE OF THE FOLLOWING: "LENGTH, CURRENT AND VOLTAGE RATING, NUMBER OF POLES, NEMA SIZE AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS".
12. THE TERM "SPACE" ON PANELBOARD AND SWITCHBOARD SCHEDULES SHALL MEAN "PROVIDE SPACE TO INSTALL THE NUMBER OF POLES AND SIZE OF THE PROTECTIVE DEVICE INDICATED WITH ALL NECESSARY BUS AND FITTINGS TO INSTALL THE DEVICE AT SOME FUTURE DATE".
13. ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
14. COORDINATE ELECTRICAL WORK WITH OWNER.
15. COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT.
16. TURN OVER TO THE OWNER ALL MANUFACTURERS WARRANTIES FOR EQUIPMENT AND MATERIAL PROVIDED.
17. UNLESS OTHERWISE INDICATED, ALL ELECTRICAL EQUIPMENT HAS BEEN BASED ON GENERAL ELECTRIC PRODUCTS.
18. THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE.
19. UNLESS OTHERWISE INDICATED, ALL ENCLOSURES FOR EQUIPMENT PROVIDED SHALL BE NEMA TYPE 1.
20. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS TO BE COPPER THHN/THWN-2.
21. UNLESS OTHERWISE INDICATED, ALL OUTLET AND SWITCH BOXES TO BE CAST IRON WITH THREADED HUBS.
22. IN INTERIOR PROTECTED LOCATIONS, OUTLET AND SWITCH BOXES MAY BE STEEL.
23. UNLESS OTHERWISE INDICATED, PROVIDE HEAVY-DUTY GRADE, 20 AMPERE RECEPTACLES AND SWITCHES. ALL PLATES IN FINISHED AREAS TO BE BRUSHED STAINLESS STEEL. PLATES FOR SURFACE MOUNTED INTERIOR BOXES MAY BE STAMPED STEEL. PLATES EXPOSED TO WEATHER OR WATER TO BE GASKETED, WEATHERPROOF TYPE. COLOR BY ARCHITECT.
24. BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS.
25. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
26. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ANSI/NFPA 70.
27. THE MEASUREMENT FROM ABOVE FINISHED FLOOR (AFF) SHALL BE TAKEN FROM THE FINISHED FLOOR SURFACE TO THE TOP OF WALL RECEPTACLES AND SWITCH BOXES, TO THE CENTER LINE OF WALL LIGHTING OUTLET BOXES, TO THE TOP OF WALL MOUNTED EQUIPMENT ENCLOSURES, TO THE CENTER LINE OF THE TOP MOST SWITCH HANDLE, OR TO THE LOWEST SURFACE OF CEILING LIGHTING FIXTURES OTHER CEILING MOUNTED EQUIPMENT.
28. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS ARE NO. 12 AWG.
29. CONDUIT SIZE FOR INDICATED CONDUCTORS SHALL BE BASED ON CHAPTER 9 OF NEC.
30. THE CONTRACTOR MAY GROUP BRANCH CIRCUIT HOME RUN CONDUCTORS IN A SINGLE RACEWAY IN ACCORDANCE WITH NEC ARTICLE 300-17, AND ARTICLE 310, NOTE 8 OF NOTES TO TABLES 310-16 THROUGH 310-19.
31. ALL BLANK COVER PLATES TO BE STAINLESS STEEL.
32. PROVIDE TRENCHING, SAND AND BACKFILL FOR ALL UNDERGROUND TELEPHONE, CABLE TV AND ELECTRICAL CONDUIT AND WIRING AS REQUIRED.
33. PROVIDE METER SOCKET AND SERVICE ENTRANCE EQUIPMENT ACCEPTABLE TO LOCAL POWER COMPANY.
34. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOCAL POWER COMPANY CHARGES FOR ELECTRICAL SERVICE INSTALLATION.
35. PROVIDE TEMPORARY ELECTRICAL SERVICE DURING CONSTRUCTION.
36. CONSTRACTOR SHALL BE RESPONSIBLE FOR ENERGY BILLS DURING CONSTRUCTION.
37. WALL SWITCH BOXES SHALL BE MOUNTED 48 INCHES A.F.F. RECEPTACLES SHALL BE MOUNTED 18 INCHES A.F.F.
38. COORDINATE TELEPHONE SERVICE INSTALLATION WITH LOCAL TELEPHONE COMPANY.
39. COORDINATE CABLE INSTALLATION WITH LOCAL CABLE COMPANY.
40. PROVIDE WIRING AND OUTLETS FOR TELEPHONE SERVICE. ALL WORK IN ACCORDANCE WITH LOCAL TELEPHONE COMPANY REQUIREMENTS.
41. PROVIDE WIRING AND OUTLETS FOR CABLE SERVICE. ALL WORK IN ACCORDANCE WITH LOCAL CABLE COMPANY REQUIREMENTS.
42. PROVIDE ELECTRICAL WIRING TO ALL APPLIANCES AND MECHANICAL EQUIPMENT.
43. ALL MANUFACTURER'S WARRANTIES FOR EQUIPMENT AND MATERIALS PROVIDED TO BE TURNED OVER TO THE OWNER.

ANTINOZZI ASSOCIATES
ARCHITECTURE | INTERIORS

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SEPTEMBER 29, 2017
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SALAMONE & ASSOCIATES, P.C.
CONSULTING ENGINEERS

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|

BRIDGEPORT LIBRARY
NEWFIELD LIBRARY
RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ELECTRICAL SCHEDULES, NOTES SYMBOLS, AND ABBREVIATIONS

As Noted | FB | JAS

E-501

09/17 | 16010

**Exhibit 2**

## Copy of Pre-Development Agreement

The Pre-Development Services Agreement between Developer and the Library Board dated January 9, 2018 is attached hereto and incorparted by reference.

Contract

# PRE-DEVELOPMENT SERVICES AGREEMENT

**BETWEEN**

**LIBRARY BOARD OF THE CITY OF BRIDGEPORT**

**AND**

**ASHLAR CONSTRUCTION LLC**

## PRE-DEVELOPMENT SERVICES AGREEMENT

THIS AGREEMENT IS MADE AND ENTERED INTO as of the 9th day of January, 2018, by and between the **LIBRARY BOARD OF THE CITY OF BRIDGEPORT**, a municipal library board, located at **925 Broad Street, Bridgeport, Connecticut, 06604** acting through its President, duly authorized (hereinafter referred to as "**Owner**" or "**Board**") and **ASHLAR CONSTRUCTION LLC,** a Connecticut Limited Liability Company, having its principal address at **277 Fairfield Avenue, Bridgeport, CT 06604** (hereinafter referred to as "**Consultant**" or "**Ashlar**"). This is an Agreement for the provision of pre-development services as more particularly defined herein (the "**Services**") for reconstruction and expansion of the Newfield Library in Bridgeport, Connecticut (hereinafter referred to as the "**Project**").

WHEREAS, the Owner advertised a Request For Expressions of Developer Interest related to the Project;

WHEREAS, the Owner received an Expression of Interest from Ashlar detailing construction and development of similar projects and presenting a block-wide concept plan, which such documents are incorporated herein by reference (see **Exhibit A** attached);

WHEREAS, the Owner selected Ashlar (the "**Developer**") based upon its qualifications and proposal and further based upon its statements and representations made during the interview process for purposes of entering into negotiation of a contract for development of the Project (the "**Development Agreement**"); and

WHEREAS, the Owner is in the process of applying for State grant funding for the Project but requires pre-development professional services from Ashlar as described on **Exhibit A** while the State is processing its grant request.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties mutually agree as follows:

### ARTICLE I BASIC AGREEMENT

The Consultant will prepare and present to the Owner for review and acceptance all required constructability reviews, construction management plans, management information systems, construction schedules, budgets, cost estimates and analyses with the concurrence of the Owner's Representative, to be necessary to accomplish the Project in the manner more specifically set forth in this Agreement. The Services shall include, without being limited to,

constructability reviews, budgeting, scheduling, attendance and participation in monthly and other periodic progress meetings, identification and monitoring of key factors impacting the quality, timing and completion of the Project, development of strategies to avoid or mitigate delays, and other services that may be required or desired. The Consultant shall perform its duties in cooperation with the Owner's Representative and in cooperation with [Antinozzi Associates Architects] (the "**Design Professional**" or "**Architect**").

1. The first phase of Services (defined below) will be the schematic or preliminary design phase ("**Conceptual Design Phase**"). During this phase, the Consultant shall provide Services to aid in the development of the most efficient design, use of materials, and methods of construction to ensure that the Project provides the best value to the Owner. The Consultant shall work in coordination with the Architect to review, evaluate, and provide advice and consultation with respect to plans, specifications and other architectural materials in the course of their preparation, with particular attention to matters bearing upon efficiency, economy, and quality of workmanship, and upon the avoidance of inconsistencies and omissions in the Project drawings. This phase involves the development of the management plans and systems, preliminary cost estimates and reports of alternatives.

(ii) The second phase of Services will be the design development phase ("**Design Development Phase**"). The Consultant shall provide Services to further develop the management plans, systems and cost estimates in order to verify the budget. In addition, constructability reviews will be prepared for each major trade. The Consultant will make recommendations with respect to such factors as construction methods and materials, suggested economies, availability of materials and labor, time requirements for installation, and cost.

(iii) The third phase of Services will be the construction documents phase ("**Construction Documents Phase**"). The Consultant shall provide Services to further develop systems and cost estimates in order to verify the budget. In addition, constructability reviews will be prepared for each major trade and a final review made to verify that no substantive errors exist in the Architect's plans which could lead to change orders in the field. These Services shall include a review of the plans and specifications with the Architect regarding the division of the work for the purpose of conducting bidding, taking into account such factors as the type or scope of work to be performed, time of performance, availability of labor, community relations, and other pertinent criteria relating to the various trades involved. The Consultant shall advise the Architect of areas of

possible conflicts and overlapping jurisdiction among the contractors and subcontractors on the job and recommend solutions for the elimination of such problems so that the work on the Project may be advanced and completed as expeditiously as possible.

(iv) The Consultant shall also conduct in the fourth phase of Services the bid preparation and contract award process ("**Bid and Award Process**") during which the Consultant's Services shall include any required activities to receive bids for the work of the Project and work with the City's Purchasing Department to tabulate and recommend contracts for award of the construction of the various divisions of work and the furnishing of furniture, fixtures and equipment ("**FF&E**") to be executed by Ashlar as the construction manager at risk ("**CMR**"). The Consultant's Services shall include the preparation of all front-end bid requirements for inclusion in the bid documents, bid forms, general conditions, general requirements, scope of work, etc. The CMR shall manage the bidding and award process and shall plan, schedule and conduct pre-construction scope review and other conferences as deemed necessary.

(v) The fifth phase of Services will be the construction and close-out phase ("**Construction Phase**") performed by the Consultant pursuant to a separate agreement.

The Consultant's specific tasks, responsibilities and deliverable items are set forth and described in **Exhibit B** attached hereto and made a part hereof.

## ARTICLE II Consultant's Responsibilities

### 2.1 General Description of Services

**A. Customary Pre-Development Services.** The Consultant's Services shall consist of the Services described herein.

**B. Scope of Consultant's Services.** The scope of the Consultant's Services is described generally in this Agreement and also includes those services that are reasonable, consistent with and necessary to complete such Services. The Consultant shall, at a minimum, have the responsibilities set forth and described in **Schedule B** attached hereto and made a part hereof.

C. **Additional Pre-Development Services.** At the request of the Owner, the Consultant shall perform, upon Owner's request, the following

additional services ("**Additional Services**") and shall be compensated for same as provided in this Agreement. The Consultant shall perform Additional Services only after the Owner and Consultant have executed a written Amendment to this Agreement providing for such services. Additional Services may include:

a. Services related to investigation, appraisal or evaluation of existing conditions, facilities or equipment or determination of the accuracy of existing drawings or other information furnished by the Owner;

b. Services related to procurement, storage, maintenance and installation of Owner-furnished equipment, materials, supplies and furnishings;

c. Preparation of an Operations and Maintenance Manual;

d. Performance of warranty inspections during the warranty period of the Project;

e. Services related to interfacing or working with the Design Professional or other Consultants that are within the scope of this Agreement;

f. Consultation regarding replacement of work damaged by fire or other cause during construction and furnishing services in connection with the replacement of such work;

g. Preparation for and serving as a witness in connection with any public or private hearing or arbitration mediation or legal proceeding between the Owner and a third party; and

h. Services related to move-in including preparing and soliciting responses to requests for proposals, preparing and coordinating the execution of contracts, conducting pre-moving conferences, administering the contract for moving activities in conjunction with move-in for the Project and providing on-site personnel to oversee the relocation of furniture and equipment by the movers while actual move-in is in progress.

**D. Consultant's Cooperation With Other Parties and Participants.** The Consultant shall cooperate fully with and confer with any architect, engineer, Consultant or other professional identified by the Owner in connection with the Project. The Project requires the Consultant and Architect to work together harmoniously. The Architect will be responsible for designing the Project so that

it is safe and complies with the Owner's requirements and all applicable laws, codes, and regulations.

**E. Familiarity with Requirements of Funding Source(s).** The Consultant, in cooperation with the Owner's Representative and the Owner, shall become familiar with the requirements and restrictions imposed by governmental funding sources for the Project to ensure that all such terms are complied with in the performance of Services. The Owner shall identify all such funding sources, and the requirements of each, to the Consultant when such details become available.

## ARTICLE III COMPENSATION FOR SERVICES AND PAYMENT

**3.1 Compensation for Services.** Provided timely production of the "Deliverables" described in Exhibit B, to the reasonable satisfaction of the Owner, the Consultant shall receive compensation for its Services in accordance with the following:

A. **Basis.** The Owner shall compensate the Consultant on the basis of a not-to-exceed price in accordance with the terms and conditions of this Agreement, and more specifically as follows:

(a) Compensation for Services: The Consultant shall be compensated for performing the Services as described in Article I and for producing the Deliverables described in Exhibit B, as follows:

a. The Owner shall pay to the Consultant and the Consultant shall accept from the Owner, as compensation for all services to be rendered by it pursuant to this Agreement a total lump sum fee of One Hundred Seventy-Five Thousand ($175,000.00) Dollars ("**Compensation**").

b. The Owner is not obligated to pay fees under this Contract that are in excess of the Compensation unless it requests Additional Pre-Development Services and the parties mutually agree on the compensation to be paid for those services.

(ii) Direct Expenses: In addition to the Compensation for Services stated herein, the Consultant shall be reimbursed for direct expenses for performing its Services, upon prior written approval by the Owner's Representative. Direct expenses are those actual expenditures made by the Consultant, its principals and employees including:

a. Long distance telephone calls, telegrams;

b. Handling, shipping, mailing and reproduction of materials and documents.

**3.2 Payments.** Payments to the Consultant shall be made not later than forty-five (45) days after presentation of the Consultant's complete invoice to the Owner, and after the Owner's satisfactory review of the Deliverables required in the relevant time period described in Exhibit B.

**3.3 Owner Not to be Billed for Taxes.** The Owner is not obligated to pay sales, use, gross receipts taxes, ad valorem of other taxes with respect to the Services rendered by the Consultant or its subcontractors, and the Consultant agrees not to invoice the Owner therefor. Upon request of the Consultant, the Owner's Purchasing Department will issue tax exempt certificates to the Consultant, subcontractor or other party rendering services to the Project.

**3.4 Adjustments to the Consultant's Compensation.** The Consultant shall promptly notify the Owner when the Consultant believes that changes to the scope of the Project or the scope of its Services or a part thereof has changed or when delays caused in whole or in part by the Owner or Design Professional increase or extend the scope or duration of the Consultant's Services. If such adjustments to Compensation and time are warranted, the Consultant shall receive additional compensation and an increase in the duration of this Agreement pursuant to other applicable provisions of this Agreement.

## ARTICLE IV OTHER CONTRACTUAL PROVISIONS

**4.1 Owner's Representative.** The Owner's Representative at the inception of this Agreement is **Tom Errichetti, of the Library Board.** Each such person or entity functioning in the capacity as the designated Owner's Representative shall act on behalf of the Owner with respect to this Agreement and shall have authority to make decisions on which the Consultant can rely. The Owner's Representative shall examine documents, at each phase of the Services performed or to be performed by the Consultant, which are submitted by the Consultant from time to time and shall render evaluations and decisions pertaining thereto promptly in order to avoid unreasonable delay in the performance and delivery of the Consultant's Services. Any Approval or Approvals given by the Owner shall not relieve Consultant of any of its obligations hereunder.

**4.2 Communications and Coordination.** The Owner shall receive, control and coordinate all documents and arrange all meetings with the Consultant and third parties on behalf of the Owner. The Owner's

Representative shall have direct communications with any State of Connecticut and U.S. Government representatives in connection with the Project.

**4.3 Independent Legal and Accounting Services.** The Owner shall furnish its own legal, accounting, auditing and insurance counseling services, however, the fact that the Owner possesses such support services will not relieve the Consultant of its responsibilities pursuant to this Agreement. The Consultant shall furnish, at its own expense, its own legal, accounting, auditing and insurance counseling services.

**4.4 Confidential Information.**

(a) Each party hereby acknowledges that it may be exposed to confidential information that may not be available to the public or discoverable under the Connecticut Freedom of Information Act ("**FOIA**") and other proprietary information belonging to the other party or relating to its business and affairs, including, without limitation, source code and design materials for work product and other materials expressly designated or marked as confidential ("**Confidential Information**"). Confidential Information must be clearly marked as such and the reasons for its being exempt from FOIA disclosure must be clearly stated and accepted by the party receiving such information. Confidential Information does not include (i) information already known or independently developed by the recipient; (ii) information in the public domain through no wrongful act of the party; (iii) information received by a party from a third party who was free to disclose it; or (iv) information properly disclosable under FOIA.

(b) Each party hereby agrees that during the term of this Agreement and at all times thereafter it shall not use, commercialize or disclose the other party's Confidential Information to any person or entity, except to its own employees who have a "need to know," to such other recipients as the party claiming confidentiality may approve in writing in advance of disclosure, or as otherwise required by court order, statute or regulation. The Consultant will notify the Owner of spills or other discharges of hazardous environmental contaminants, hazardous waste, regulated chemicals and other conditions that may be detrimental to public health, safety and welfare which are regulated under Connecticut law ("**Reportable Environmental Event**"). In cases where the Owner is not the property owner, the Consultant shall notify the Owner of any Reportable Environmental Event and the Owner will notify the property owner of the requirement to address such occurrence in compliance with applicable law. Each party shall use at least the same degree of care in safeguarding the other party's Confidential Information as it uses in safeguarding its own Confidential Information, but in no event shall a party use less than due diligence and care. Neither party shall alter or remove from any software, documentation or other Confidential Information of the other party (or any third party) any proprietary, copyright, trademark or trade secret legend.

**4.5 Existing Environmental Reports.** The Owner shall furnish to the Consultant for its use any chemical, air and water pollution tests, tests for hazardous materials and other laboratory and environmental tests in the Owner's possession.

**4.6 Ownership of Working Papers.** All office diaries, electronic or hard files, daily records of labor, materials and equipment used, notes, designs, reports, drawings, schedules, tracings, estimates, and all other documents prepared by or for the Consultant pursuant to this Agreement shall become the property of the Owner. Upon the termination of the Consultant's services for any reason whatsoever, the Consultant shall deliver to the Owner's Representative all the heretofore enumerated items which thereafter the Owner may utilize in whole or in part or in modified form and in such manner or for such purposes or as many times as it may deem advisable without employment of or additional compensation to the Consultant.

**4.7 No Conflict or Violation of Law.** The Consultant has disclosed, or shall disclose, in writing prior to the execution date of this Agreement, all conflicts or potential conflicts of interest that may have an adverse effect on the Consultant's ability to independently protect the Owner's interests in connection with the Project, including but not limited to, the nature and specifics of its relationship with any other parties, stakeholders, consultants, contractors and the like. The Consultant represents that its performance of the Services described herein, and its representation of the Owner, will not result in a conflict of interest, will not violate any laws or contractual obligations with third parties, and is an enforceable obligation of the Consultant.

**4.8 No Violation of Law.** The Consultant represents that neither it, nor any of its officers, directors, owners, employees or, to the best of its knowledge any of its approved subcontractors, have committed a criminal violation of federal or state laws arising directly or indirectly from its business operations that resulted in the imposition of a monetary fine, injunction, criminal conviction or other sanction, and further represents that the Consultant shall take all reasonable steps to ensure that its officers, directors, owners, employees, agents, subcontractors and Consultants shall comply with the requirements of all laws, rules and regulations applicable to this Agreement or to the conduct of its or their businesses in the performance of the Services under this Agreement.

## ARTICLE V REMEDIES

**5.1 Default by Consultant.** It shall be a material default under this Agreement in the event that any of the following occur (each an "**Consultant's Default**"): (i) The Consultant fails to competently and expeditiously perform the Services required to be performed through no fault of the Owner thereby delaying the commencement of the Project, or (ii) the Consultant, or any employee, subcontractor or agent of the Consultant shall file or record a lien

against the Project site or any property of the Owner, or (iii) the Consultant is declared to be bankrupt or insolvent, an assignment for the benefit of creditors is made by the Consultant, the Consultant shall file a voluntary petition in bankruptcy or insolvency, or a receiver shall be appointed for the Consultant and such appointment or bankruptcy or insolvency proceeding, petition, declaration or assignment is not set aside within thirty (30) days of filing, or (iv) any representation or certification made by the Consultant to the Owner shall prove to be false or misleading on the date said representation or certification is made, or (v) default shall be made in the observance or performance of any material covenant, agreement or condition contained in this Agreement required to be kept, performed or observed by Consultant, or (vi) there has been a material adverse change in the financial condition of the Consultant, or (vii) the Consultant, or any principal or officer of the Consultant shall be convicted of the commission of a crime punishable as a felony, or (viii) the Consultant violates a material provision of any laws, ordinances, rules, regulations or orders of any public authority in the performance of its duties hereunder. If such a Consultant's Default has occurred and has not been cured within thirty (30) days, with or without written notice from the Owner to the Consultant, the Owner may declare the Consultant to be in default hereunder and exercise any remedies available to it, including the termination of this Agreement.

**5.2 Default by Owner.** In the event the Owner shall fail to perform any of its material obligations pursuant to this Agreement (each an "**Owner's Default**") and the same has not been cured within sixty (60) days, with or without written notice from the Consultant to the Owner, the Consultant may declare the Owner to be in default hereunder and exercise any remedies available to it.

**5.3 Termination by Owner Due to Consultant's Default.** If the Consultant fails to observe and perform the material terms of this Agreement or if the Consultant commits a material violation of any laws, ordinances, rules, regulations or orders of any public agency or authority having jurisdiction, or otherwise commits an Consultant's Default under this Agreement, the Owner may, without prejudice to any right or remedy, terminate the agreement with the Consultant and take possession of all plans, specifications, drawings and other data prepared by the Consultant, whether complete or not. Additionally, the Owner may pursue any legal action available to it to obtain relief for actual damages suffered by reason of Consultant's Default hereunder. In such event, the Consultant shall be liable to compensate and reimburse the Owner for all of its loss, cost and expense, including reasonable attorney's fees that are caused by the Consultant's Default or Defaults.

**5.4 Termination by Consultant.** Should the Owner commit an Owner's Default that continues beyond the cure period provided herein, the Consultant may, as its sole and exclusive remedy, terminate this Agreement. Upon such a termination, the Consultant shall be entitled to recover from the Owner all Compensation and other monies due to it for Services performed in

accordance with the requirements of this Agreement up to the date of such termination. The Consultant may recover any other damages, costs or expense, including reasonable attorney's fees from the Owner other caused by th Owner's Default or Defaults.

**5.5 Termination by Owner Without Fault of the Consultant.** Upon five (5) days' prior written notice, the Owner shall have the right to cancel and terminate this Agreement at any time whether or not an Consultant's Default exists hereunder, and the Owner shall incur no liability to Consultant or any other person by reason of such cancellation, except that, if the cancellation is for no fault of Consultant, the Owner shall pay to the Consultant all Compensation then due to the Consultant hereunder for Services rendered in accordance with this Agreement performed up to the date of termination.

**5.6 Transfers on Termination.** In the event of any termination of this Agreement by the Owner, the Consultant shall, upon written request of the Owner, return to the Owner within seven (7) days all papers, materials and other items prepared or in the possession of the Consultant relating to the Project whether created by or at the request of the Consultant or created by others. In addition, each party will assist the other party in an orderly termination of this Agreement and the transfer of all aspects hereof, tangible and intangible.

**5.7 Resolution of Disputes and Choice of Law.** The parties agree that all disputes between them in connection with this Agreement or the interpretation thereof, if they cannot be resolved by mutual agreement, shall be resolved by a court located in Fairfield County, Connecticut.

5.8 **Limitation on Damages.** Notwithstanding anything contained herein to the contrary, a party may not collect or attempt to collect consequential, punitive, extraordinary or exemplary damages from the other party in connection with a default.

## ARTICLE VI INDEMNIFICATION AND INSURANCE

**6.1 Indemnification.** To the fullest extent permitted by law, each party (the "**Indemnitor**") agrees to indemnify, save and hold the other party, its elected or appointed officials, if any, department heads, employees, subcontractors and Consultants (the "**Indemnitee**") harmless from and against any and all liability, damage, loss, claim, demand, action and expenses of any nature whatsoever, including, but not limited to costs, expenses, consulting fees and reasonable attorneys' fees which arise out of or are connected with: (i) any negligent act, error or omission by the Indemnitor in the performance of this Agreement; (ii) the negligent failure of the Indemnitor to comply with the laws, statutes, ordinances or regulations of any governmental or quasi-governmental agency or authority having jurisdiction over the Project; or (iii) the breach of any material term or

condition of this Agreement by the Indemnitor. The provisions of this indemnification provision shall not be construed as an indemnification of the Indemnitee for any loss or damage attributable to the sole act or omission of the Indemnitee. The indemnification provision set forth above shall survive the expiration or any earlier termination of this Agreement.

**6.2 Insurance.** (a) The following insurance coverage is required of the Consultant and it is understood that the Consultant will require other coverage from every Consultant and subcontractor in any tier according to the work being performed and shall ensure that all insurance coverage is issued and in force in accordance with the terms hereof. The Consultant shall procure, present to the Owner in advance of any Services performed, and maintain in effect for the term of this Agreement without interruption the insurance coverages identified below with insurers licensed to conduct business in the State of Connecticut and having a minimum Best's A + 15 financial rating or rating otherwise acceptable to the Owner.

Commercial General Liability (occurrence form) insuring against claims or suits brought by members of the public alleging bodily injury or personal injury or property damage and claimed to have arisen out of operations conducted under this Agreement. Coverage shall be broad enough to include premises and operations, contingent liability, contractual liability, completed operations (24 months), broad form property damage, care, custody and control, with limitations of a minimum $1,000,000 per occurrence and $2,000,000 combined primary and excess coverage for each occurrence/aggregate and $300,000 property damage.

Business Automobile insuring against claims or suits brought by members of the public alleging bodily injury or personal injury or property damage and claimed to have arisen out of the use of owned, hired or non-owned vehicles in connection with business. Coverage will be broad enough to include contractual liability, with limitations of $1,000,000 combined primary and excess coverage for each occurrence/aggregate with a combined single limit for bodily injury, personal injury and property damage.

Workers' Compensation insuring in accordance with statutory requirements in order to meet obligations towards employees in the event of injury or death sustained in the course of employment. Liability for employee suits shall not be less than $500,000 per claim.

(b) General requirements. All policies shall include the following provisions:

Cancellation notice—The Owner shall be entitled to receive from the insurance carriers not less than 30 days' written notice of cancellation, non-renewal or reduction in coverage, such cancellation notices to be given to the Owner at: Library Board, City of Bridgeport, 925 Broad Street, Bridgeport, Connecticut 06604.

Certificates of Insurance—All policies will be evidenced by an original certificate of insurance delivered to the Owner and authorized and executed by the insurer or a properly-authorized agent or representative reflecting all coverage required, such certificate required to be delivered to the Owner prior to any work or other activity commencing under this Agreement.

Additional insured—The Consultant, its Consultants and subcontractors will arrange with their respective insurance agents or brokers to name the Owner, its elected officials, officers, department heads, employees and agents on all policies of primary and excess insurance coverages as additional insured parties **by policy endorsement** except on workers' compensation insurance, and as loss payee with respect to any damage to property of the Owner, as its interest may appear. The undersigned shall submit to the Owner upon commencement of this Agreement and periodically thereafter, but in no event less than once during each year of this Agreement, evidence of the existence of such insurance coverages in the form of original Certificates of Insurance issued by reputable insurance companies licensed to do business in the State of Connecticut and having minimum Best's A + 15 financial ratings or rating otherwise acceptable to the Owner. Such certificates shall designate the Owner in the following form and manner:

> "The Library Board of the City of Bridgeport, its elected and appointed officials, officers, department heads, employees, agents, servants, successors and assigns ATIMA
> Attention:
>
> Bridgeport, Connecticut 06604"

## ARTICLE VII MISCELLANEOUS

**7.1 Singular, Plural, Gender, etc.** Wherever in this Agreement the context so requires, the singular number shall include the plural number and vice versa, and any gender herein used shall be deemed to include the feminine, masculine or neuter gender.

**7.2 Professional Services Contract.** This Agreement is entered into solely to provide Services and to define the rights and obligations, risks and

liabilities of the parties hereto. This Agreement, and any document or agreement entered into in connection herewith, shall not be deemed to create any other or different relationship between the Consultant and the Owner other than as expressly provided herein. The Consultant acknowledges that the Owner is not a partner or joint venturer with the Consultant and that the Consultant is not an employee or agent of the Owner.

**7.3 Prohibition Against Assignment.** The Consultant may not transfer, hypothecate or in any way alienate or assign its interest in this Agreement or delegate any duties to be performed by it hereunder without the prior written consent of Owner. The Owner may assign its interest in this Agreement at any time to any person or entity that assumes the Owner's obligations from the date of the assignment hereunder; provided, however, that absent express consent in writing by the Consultant, such assignment shall not release the Owner from its obligations to the Consultant hereunder for payment of all amounts due the Consultant pursuant to this Agreement.

**7.4 Notices.** All notices, requests, demands or changes of address required or desired by either party shall be in writing and shall be either personally delivered, delivered by messenger or overnight delivery service, or be delivered by registered or certified mail, return receipt requested, postage prepaid, and addressed to the other party at the address heretofore set forth (each a "**Notice**"). All Notices shall be deemed received, in the case of personal or overnight delivery service, upon receipt, or in the case of mailing, on the date of receipt thereof by the party to whom it is addressed or, if receipt is refused, upon the expiration of forty-eight (48) hours from the time of deposit of such mailed notice in an office of the United States Postal Service.

**7.5 No Waiver.** No waiver of any party's default hereunder by the other party hereto at any one time shall be construed as a waiver by such party of any subsequent breach of the same or another term of this Agreement by the other party.

**7.6 Ownership of Documents.** All drawings, specifications, surveys, test results, models, plans, computer programs, databases and other work product prepared by the Consultant or anyone employed by the Consultant in any form or media upon creation are and shall be the sole and exclusive property of the Owner, including without limitation all copyrights, rights of reproduction and reuse, and other interests relating thereto.

**7.7 Successors and Assigns.** This Agreement shall be binding upon, and inure to the benefit of the Owner and the Consultant and their respective successors, assigns and legal representatives.

**7.8 Captions.** The captions and headings contained herein are for convenience only and are not to be construed as part of this Agreement, nor

shall the same be construed as defining or limiting in any way the scope or intent of the provisions hereof.

**7.9 Governing Law; Venue.** This Agreement shall be construed in accordance with the laws of the State of Connecticut and the United States of America. Any method of dispute resolution shall be commenced and resolved in Fairfield County, Connecticut.

**7.10 Entire Agreement.** Each party acknowledges that there are no oral promises, undertakings or agreements in connection with this Agreement that are not contained herein. This Agreement may be modified only by a written agreement signed by all parties hereto. All previous negotiations and agreements between the parties hereto, with respect to the transactions set forth herein, are merged in this instrument, the documents or other materials referenced herein, and amendments hereto mutually agreed to in writing by the parties, which together fully and completely express the parties' rights and obligations.

**7.11 Partial Invalidity.** If any term or provision of this Agreement shall be found to be illegal, unenforceable or in violation of the laws, statutes, ordinances or regulations or any public agency or authority having jurisdiction over the parties or the Project by a court of competent jurisdiction, then, notwithstanding the illegality or enforceability of such term or provision, this Agreement shall be and remain in full force and effect and such term shall be deemed stricken therefrom; provided, however, that this Agreement shall be interpreted, when possible, so as to reflect the intentions of the parties as indicated by any such stricken term or provision.

**7.12 Survival.** The terms, provisions, representations, warranties and certifications contained in this Agreement, or inferable therefrom, shall survive the completion of the Project, or the earlier termination of this Agreement as to the Services completed to the date of such termination, subject to all applicable statutes of limitation and repose.

**7.13 Waiver of Lien.** The Consultant hereby waives any right it may have to file or assert a mechanic's or materialmen's lien against the Project site or against the Project, including but not limited to, any rights granted to the Consultant by the laws of the State of Connecticut.

**7.14 Excusable Delay.** The parties hereto, respectively, shall not be in default of this Agreement if either is unable to fulfill, or is delayed in fulfilling, any of its obligations hereunder, or is prevented or delayed from fulfilling its obligations, in spite of its employment of best efforts and due diligence, as a result of extreme weather conditions, natural disasters, catastrophic events, mass casualties to persons or significant destruction of property, war, governmental preemption in a national emergency, enactment of law, rule or

regulation or change in existing laws, rules or regulations which prevent any party's ability to perform its respective obligations under this Agreement, or actions by other persons beyond the exclusive control of the party claiming hindrance or delay. If a party believes that a hindrance or delay has occurred, it shall give prompt written notice to the other party of the nature of such hindrance or delay, its effect upon such party's performance under this Agreement, the action needed to avoid the continuation of such hindrance or delay, and the adverse effects that such hindrance or delay then has or may have in the future on such party's performance. Notwithstanding notification of a claim of hindrance or delay by one party, such request shall not affect, impair or excuse the other party hereto from the performance of its obligations hereunder unless its performance is impossible, impractical or unduly burdensome or expensive, or cannot effectively be accomplished without the cooperation of the party claiming delay or hindrance, The occurrence of such a hindrance or delay may constitute a change in the scope of Services, and may result in the need to adjust the Compensation in accordance with the terms of this Agreement.

**7.15 Non-Discrimination.** The Consultant agrees not to discriminate in its hiring or employment practices on the basis of race, nationality, gender, sex, sexual orientation or identity, veteran status, disability and the like.

**7.16 Approval of Agreement Required.** This Agreement shall not become effective until the governing body of the Owner approves the same, the Agreement is executed by its duly-authorized agent, and a fully-executed original thereof is delivered to the Consultant.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

**BRIDGEPORT LIBRARY BOARD**

By: _____
Name: James E. O'Donnell
Title: President
Duly Authorized

**ASHLAR CONSTRUCTION LLC**

By: _____
Name: Anthony T. Stewart
Title: Managing Member
Duly-authorized

State of Connecticut)
) ss.: At: BRIDGEPORT
County of Fairfield )

Personally appeared before me on JANUARY 9, 2018, James E. O'Donnell, who acknowledged himself to be the President of the Bridgeport Library Board, and that in such capacity, being authorized so to do, executed the foregoing instrument for the purpose contained therein, by signing the name of the Library Board on its behalf and for himself in such capacity.

Witness my hand and seal this 9th day of January, 2018.

Judge William Holden
~~Notary Public~~ WILLIAM HOLDEN
~~My Commission Expires:~~ SUPERIOR COURT JUDGE

State of Connecticut)
) ss.: At: BRIDGEPORT
County of Fairfield )

Personally appeared before me on JANUARY 9, 2018, Anthony T. Stewart, who acknowledged him/herself to be the Managing Member, of **Ashlar Construction LLC**, and that he/she in such capacity, being authorized so to do, executed the foregoing Instrument for the purpose contained therein, by signing the name of said on its behalf and for **Ashlar Construction LLC** him/herself in such capacity.

Witness my hand and seal this ____day of _____, 2018.

~~Notary Public~~ WILLIAM HOLDEN
~~My Commission Expires:~~ SUPERIOR COURT JUDGE

**Exhibit A**

**Ashlar Expression of Interest**

**Exhibit B**

**Ashlar Pre-Construction Deliverables (with timeframes)**
**Newfield Library**

1.Provide Cost-Benefit Analysis and Recommendations to Library Board as to:
   a. Building Design Alternatives
   b. Programming of Space & Site Planning
   c. Materials - as to how choices affect both construction & maintenance - 9/17

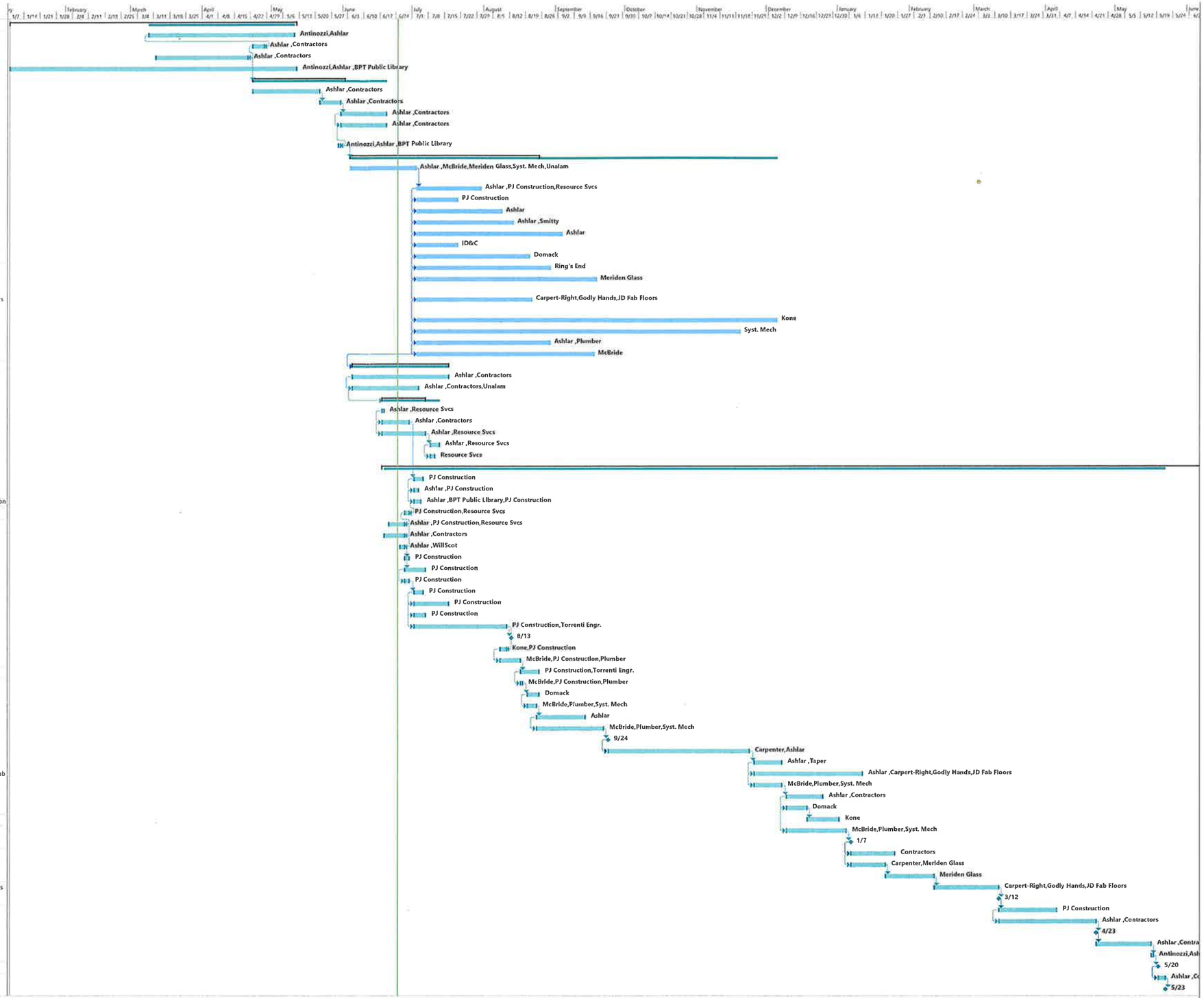
2.Develop Presentation Materials for Library's East End Community Charette – 9/17
3.Provide Supportive Materials to Library's State Construction Grant Application – 9/17
4.Develop Initial Draft Project Budget as Derived from Cost Analyses (above) – 10/17
5.Develop Initial Project Construction Schedule and Timeline with Milestones – 10/17
6.Develop Schedule of Costs & Cash-Flow Analysis per Construction Schedule - 10/17
7.Represent Library before City Design Review prior to PZC submittal – 11/17
8.Provide Materials to Library's Planning and Zoning Commission Submittal - 11/17
9.Provide Report on Construction Sequencing and Segmentation of Work – 11/17
10.Prepare Bid Packages of Segments of Work, for Specific Trades – 11/17
11.Develop List of Long-Lead Items for Early Bidding and Procurement – 12/17
12.Per trades, procure market-priced cost verification of initial cost estimates- 12/17
13.Provide Early Responses to Contractor Requests for Information – 1/18
14.Finalize formal bid packages for sub-contractors on select parts of the project – 1/18
15.Administer public bidding of such packages – 1/18
16.Review bid responses and provide summary analysis– 1/18
17.Update Construction Budget, Timeline, Cash-Flow Schedules – 1/18
18.Review, modify and approve Sub-Contractors Schedule of Values – 2/18
19.Select qualified bidders, confirm compliance with regulatory requirements – 2/18
20.Administer final scope review and execute contracts with selected bidders 2/18
21.Submit Appropriate Site Work and Building Permit Applications -2/18
22.Develop Master AIA Forms re Final Budget, Trade Breakdowns, and Schedule -2/18
23.Secure Needed Permits (as per #21 above) – 3/18
24.Procure Bids for Materials (as such may be separate from other contracts) -3/18
25.Prepare Initial Job Reporting Forms for Owner - 3/18

**Exhibit 3**

## Project Completion Schedule

The Project Completion Schedule proposed by Developer and Approved by the Library Board is attached hereto and incorporated by reference.

| ID | Task Name | Duration | Start | Finish | Predec | Resource Names |
|---|---|---|---|---|---|---|
| 1 | **PRECONSTRUCTION** | **90 days** | **Mon 1/8/18** | **Fri 5/11/18** | | **Antinozzi,Ashlar** |
| 2 | Obtain Bulding Permit | 45 days | Fri 3/9/18 | Thu 5/10/18 | | Antinozzi,Ashlar |
| 3 | Coordinate Bidders Lists | 5 days | Mon 4/23/18 | Fri 4/27/18 | 2SF | Ashlar ,Contractors |
| 4 | Solicit Qualified Bidders/Vendors | 30 days | Mon 3/12/18 | Fri 4/20/18 | 3SF | Ashlar ,Contractors |
| 5 | PRECONSTRUCTION | 90 days | Mon 1/8/18 | Fri 5/11/18 | | Antinozzi,Ashlar ,BPT Public Library |
| 6 | **BIDDING & NEGOTIATIONS** | 30 days | **Mon 4/23/18** | **Fri 6/1/18** | 4 | **Ashlar ,Contractors** |
| 7 | Negotiations w/ Subcontractors | 21 days | Mon 4/23/18 | Mon 5/21/18 | | Ashlar ,Contractors |
| 8 | Letters of Intent | 7 days | Tue 5/22/18 | Wed 5/30/18 | 7 | Ashlar ,Contractors |
| 9 | Contracts Awarded & Assignments | 14 days | Thu 5/31/18 | Tue 6/19/18 | 8 | Ashlar ,Contractors |
| 10 | Issue Subcontractors/Vendors Contracts/Agreements/Purchase Orders | 14 days | Thu 5/31/18 | Tue 6/19/18 | 9SS | Ashlar ,Contractors |
| 11 | **O/A/C Recap Meeting** | 1 day | Wed 5/30/18 | Wed 5/30/18 | 10SF | Antinozzi,Ashlar ,BPT Public Library |
| 12 | **PROCUREMENT** | **60 days** | **Mon 6/4/18** | **Fri 8/24/18** | **11** | **Ashlar ,Contractors** |
| 13 | Long Lead Items (i.e., Elevator, Glu-lams, Decorative Masonry, Mechanical, Electrical equipment, etc.) | 21 days | Mon 6/4/18 | Mon 7/2/18 | | Ashlar ,McBride,Meriden Glass,Syst. Mech,Unalam |
| 14 | All Underground Materials for Sitework | 20 days | Tue 7/3/18 | Mon 7/30/18 | 13 | Ashlar ,PJ Construction,Resource Svcs |
| 15 | Concrete Materials and Supplies | 14 days | Tue 7/3/18 | Fri 7/20/18 | 14SS | PJ Construction |
| 16 | Materials and Supplies for Masonry | 27 days | Tue 7/3/18 | Wed 8/8/18 | 15SS | Ashlar |
| 17 | Materials and Supplies for Structural Steel & Misc. Metals | 30 days | Tue 7/3/18 | Mon 8/13/18 | 16SS | Ashlar ,Smitty |
| 18 | Materials and Supplies for Rough & Finished Carpentry | 45 days | Tue 7/3/18 | Mon 9/3/18 | 17SS | Ashlar |
| 19 | Materials and Supplies for Firestopping | 14 days | Tue 7/3/18 | Fri 7/20/18 | 18SS | ID&C |
| 20 | Materials/Supplies for Roofing, Downspouts connections | 35 days | Tue 7/3/18 | Mon 8/20/18 | 19SS | Domack |
| 21 | Materials and Supplies for Alum. Clad Doors, Windows | 42 days | Tue 7/3/18 | Wed 8/29/18 | 20SS | Ring's End |
| 22 | Materials and Supplies for Aluminum Frames (i.e., Storefront, Curtainwall, etc.) | 56 days | Tue 7/3/18 | Tue 9/18/18 | 21SS | Meriden Glass |
| 23 | Materials and Supplies for the Interior Finishes (i.e., Flooring, Painting, etc.) | 36 days | Tue 7/3/18 | Tue 8/21/18 | 22SS | Carpert-Right,Godly Hands,JD Fab Floors |
| 24 | Materials and Supplies for Elevator | 112 days | Tue 7/3/18 | Wed 12/5/18 | 23SS | Kone |
| 25 | Materials and Supplies for Mech. Equip. | 100 days | Tue 7/3/18 | Mon 11/19/18 | 24SS | Syst. Mech |
| 26 | Materials and Supplies for Plumbing | 42 days | Tue 7/3/18 | Wed 8/29/18 | 25SS | Ashlar ,Plumber |
| 27 | Materials and Supplies for Electrical | 55 days | Tue 7/3/18 | Mon 9/17/18 | 26SS | McBride |
| 28 | **SUBMITTALS PHASE** | **30 days** | **Tue 6/5/18** | **Mon 7/16/18** | **27SS** | **Antinozzi,Ashlar ,Contractors** |
| 29 | Submittals of Long-Lead Items | 30 days | Tue 6/5/18 | Mon 7/16/18 | | Ashlar ,Contractors |
| 30 | Submittals of all construction items | 21 days | Tue 6/5/18 | Tue 7/3/18 | 29SS | Ashlar ,Contractors,Unalam |
| 31 | **DEMOLITION PHASE** | **15 days** | **Mon 6/18/18** | **Fri 7/6/18** | **30SS** | **Contractors** |
| 32 | Mobilize Demolition Contractor | 1 day | Mon 6/18/18 | Mon 6/18/18 | | Ashlar ,Resource Svcs |
| 33 | Remove Exterior Items as Required | 10 days | Mon 6/18/18 | Fri 6/29/18 | 32SS | Ashlar ,Contractors |
| 34 | Remove Interior items as required | 15 days | Mon 6/18/18 | Fri 7/6/18 | 33SS | Ashlar ,Resource Svcs |
| 35 | Clean and broom swept Interior areas | 4 days | Mon 7/9/18 | Thu 7/12/18 | 34 | Ashlar ,Resource Svcs |
| 36 | Demobilization of Contractor | 2 days | Mon 7/9/18 | Tue 7/10/18 | 35SS | Resource Svcs |
| 37 | **CONSTRUCTION PHASE** | **300 days** | **Mon 6/18/18** | **Fri 8/9/19** | | **Project Team** |
| 38 | Contact CBYD prior to start | 4 days | Mon 7/2/18 | Thu 7/5/18 | 33 | PJ Construction |
| 39 | Mobilize Sitework Contractor | 2 days | Mon 7/2/18 | Tue 7/3/18 | 38SS | Ashlar ,PJ Construction |
| 40 | Clearing of property | 3 days | Mon 7/2/18 | Wed 7/4/18 | 39SS | Ashlar ,BPT Public Library,PJ Construction |
| 41 | Spread paving millings for Roadway | 2 days | Thu 6/28/18 | Fri 6/29/18 | 40SF | PJ Construction,Resource Svcs |
| 42 | Create Laydown/Staging area | 5 days | Thu 6/21/18 | Wed 6/27/18 | 41SF | Ashlar ,PJ Construction,Resource Svcs |
| 43 | Coordinate Site Logistics w/ Subs | 7 days | Tue 6/19/18 | Wed 6/27/18 | 42FF | Ashlar ,Contractors |
| 44 | Placement of Jobsite Trailer | 2 days | Tue 6/26/18 | Wed 6/27/18 | 43FF | Ashlar ,WillScot |
| 45 | Survey of new construction area | 2 days | Thu 6/28/18 | Fri 6/29/18 | 44 | PJ Construction |
| 46 | Excavation for Underground Utilites | 7 days | Thu 6/28/18 | Fri 7/6/18 | 44 | PJ Construction |
| 47 | Remove Fill and store Topsoil | 2 days | Thu 6/28/18 | Fri 6/29/18 | 46SS | PJ Construction |
| 48 | Trenching for underground utilities | 4 days | Mon 7/2/18 | Thu 7/5/18 | 47 | PJ Construction |
| 49 | Layout of Addition and all components | 11 days | Mon 7/2/18 | Mon 7/16/18 | 48SS | PJ Construction |
| 50 | Installation of Footings/Foundations | 5 days | Mon 7/2/18 | Fri 7/6/18 | 49SS | PJ Construction |
| 51 | Underpinning and concrete lifts as required | 30 days | Mon 7/2/18 | Fri 8/10/18 | 49SS | PJ Construction,Torrenti Engr. |
| 52 | **Underground Pkgs/Found. Inspections by Bldg. Officials** | 0 days | Mon 8/13/18 | Mon 8/13/18 | 51 | BPT Bldg. Dept.,PJ Construction |
| 53 | Excavate new elevator pit in exist'g building | 3 days | Wed 8/8/18 | Fri 8/10/18 | 51FF | Kone,PJ Construction |
| 54 | Install underground Utilities | 7 days | Wed 8/8/18 | Thu 8/16/18 | 53SS | McBride,PJ Construction,Plumber |
| 55 | Pour all concrete Slabs in Buildings | 6 days | Fri 8/17/18 | Fri 8/24/18 | 54 | PJ Construction,Torrenti Engr. |
| 56 | Stub out for Utilities Connections | 1 day | Fri 8/17/18 | Fri 8/17/18 | 55SS | McBride,PJ Construction,Plumber |
| 57 | Remove & replace roofing components on exist'g | 5 days | Mon 8/20/18 | Fri 8/24/18 | 56 | Domack |
| 58 | MEP trades to make safe existing interior areas | 4 days | Mon 8/20/18 | Thu 8/23/18 | 57SS | McBride,Plumber,Syst. Mech |
| 59 | Frame Addition and make weather-tight | 15 days | Fri 8/24/18 | Thu 9/13/18 | 58 | Ashlar |
| 60 | Rough-in Electrical, Plumbing & Mechanical Trades | 21 days | Fri 8/24/18 | Fri 9/21/18 | 59SS | McBride,Plumber,Syst. Mech |
| 61 | **Rough-In Inspection by Bldg. Dept.** | 0 days | Mon 9/24/18 | Mon 9/24/18 | 60 | BPT Bldg. Dept. |
| 62 | Complete Interior Framing/Fitout | 45 days | Mon 9/24/18 | Fri 11/23/18 | 61SS | Carpenter,Ashlar |
| 63 | Gyp. Bd. Finishes installed (one side only) | 10 days | Mon 11/26/18 | Fri 12/7/18 | 62 | Ashlar ,Taper |
| 64 | Complete Interior Finishes throughout | 35 days | Mon 11/26/18 | Fri 1/11/19 | 63SS | Ashlar ,Carpert-Right,Godly Hands,JD Fab |
| 65 | Install all MEP work above ceilings | 10 days | Mon 11/26/18 | Fri 12/7/18 | 64SS | McBride,Plumber,Syst. Mech |
| 66 | Install Ceilings in both Buidings | 12 days | Mon 12/10/18 | Tue 12/25/18 | 65 | Ashlar ,Contractors |
| 67 | Complete Flat Roof installation | 7 days | Mon 12/10/18 | Tue 12/18/18 | 66SS | Domack |
| 68 | Complete Elevator Installation & Testing | 10 days | Wed 12/19/18 | Tue 1/1/19 | 67 | Kone |
| 69 | MEP Finished installations completed | 20 days | Mon 12/10/18 | Fri 1/4/19 | 67SS | McBride,Plumber,Syst. Mech |
| 70 | **Finish Inspection by Bldg. Dept** | 0 days | Mon 1/7/19 | Mon 1/7/19 | 69 | Ashlar ,BPT Bldg. Dept. |
| 71 | Make Buildings weathertight | 15 days | Mon 1/7/19 | Fri 1/25/19 | 70SS | Contractors |
| 72 | Complete installation of Windows, Doors & Openings | 11 days | Mon 1/7/19 | Mon 1/21/19 | 71SS | Carpenter,Meriden Glass |
| 73 | Complete Aluminum Frames and Openings | 15 days | Tue 1/22/19 | Mon 2/11/19 | 72 | Meriden Glass |
| 74 | Complete installation of Interior & Exterior Finishes | 20 days | Tue 2/12/19 | Mon 3/11/19 | 73 | Carpert-Right,Godly Hands,JD Fab Floors |
| 75 | **Substantial Completion** | 0 days | Tue 3/12/19 | Tue 3/12/19 | 74 | Antinozzi,Ashlar ,BPT Bldg. Dept. |
| 76 | Finished Sitework and Landscaping | 19 days | Tue 3/12/19 | Fri 4/5/19 | 75 | PJ Construction |
| 77 | Complete all Construction Tasks | 30 days | Tue 3/12/19 | Mon 4/22/19 | 76SS | Ashlar ,Contractors |
| 78 | Punchlist Issued by Architect | 0 days | Tue 4/23/19 | Tue 4/23/19 | 77 | Antinozzi,Ashlar ,BPT Public Library |
| 79 | Punchlist completed by Trades | 18 days | Tue 4/23/19 | Thu 5/16/19 | 78 | Ashlar ,Contractors |
| 80 | Final walk-thru of completed work w/ O/A/C | 1 day | Fri 5/17/19 | Fri 5/17/19 | 79 | Antinozzi,Ashlar ,BPT Public Library |
| 81 | Issuance of Certifcate of Occupany | 0 days | Mon 5/20/19 | Mon 5/20/19 | 80 | BPT Bldg. Dept. |
| 82 | Demobilization of Contractors | 3 days | Mon 5/20/19 | Wed 5/22/19 | 81SS | Ashlar ,Contractors |
| 83 | **Turnover to Bridgeport Public Library** | 0 days | Thu 5/23/19 | Thu 5/23/19 | 82 | Ashlar ,BPT Public Library |




Project: 06-18-2018 Wkly
Date: Mon 6/25/18

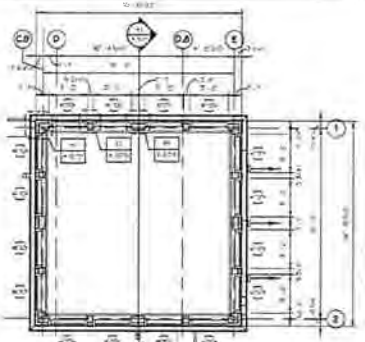
Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Progress | Manual Progress

**Exhibit 4**

## Project Scope
## Including Issued-For-Construction Drawings
## Approved by the Library Board

The Issued-For-Construction Drawings are the Specifications and a series of seventy-six drawings prepared by Antinozzi Associates as Job No. 16010 dated 12 January 2018 entitled "Bridgeport Library, Newfield Library, Renovations/ Additions, 755 Central Avenue, Bridgeport, Connecticut", bearing Drawing Numbers:

| | | | | |
|---|---|---|---|---|
| A-101 | A-1B1 | A-1R1 | A-201 | A-250 |
| A-301 | A-302 | A-303 | A-401 | A-402 |
| A-501 | A-502 | A-550 | A-560 | A-570 |
| A-571 | A-580 | A-581 | A-601 | A-620 |
| A-640 | A-641 | A-650 | A-660 | A-701 |
| A-801 | A-850 | A-990 | A-901 | A-902 |
| A-950 | A-951 | A-952 | C-5 | D-101 |
| D-301 | D-302 | DE-101 | DM-101 | DP-101 |
| E-101 | E-102 | E-103 | E-201 | E-202 |
| E-301 | E-302 | E-401 | E-402 | E-403 |
| E-501 | E-601 | FI-101 | FI-901 | FI-930 |
| L-1 | M-101 | M-102 | M-103 | M-104 |
| M-201 | M-202 | M-301 | P-101 | P-102 |
| P-103 | P-201 | S-000 | S-100 | S-101 |
| S-102 | S-201 | S-202 | S-203 | S-301 |
| S-401 | | | | |



TOWER CLERESTORY ENLARGED PLAN

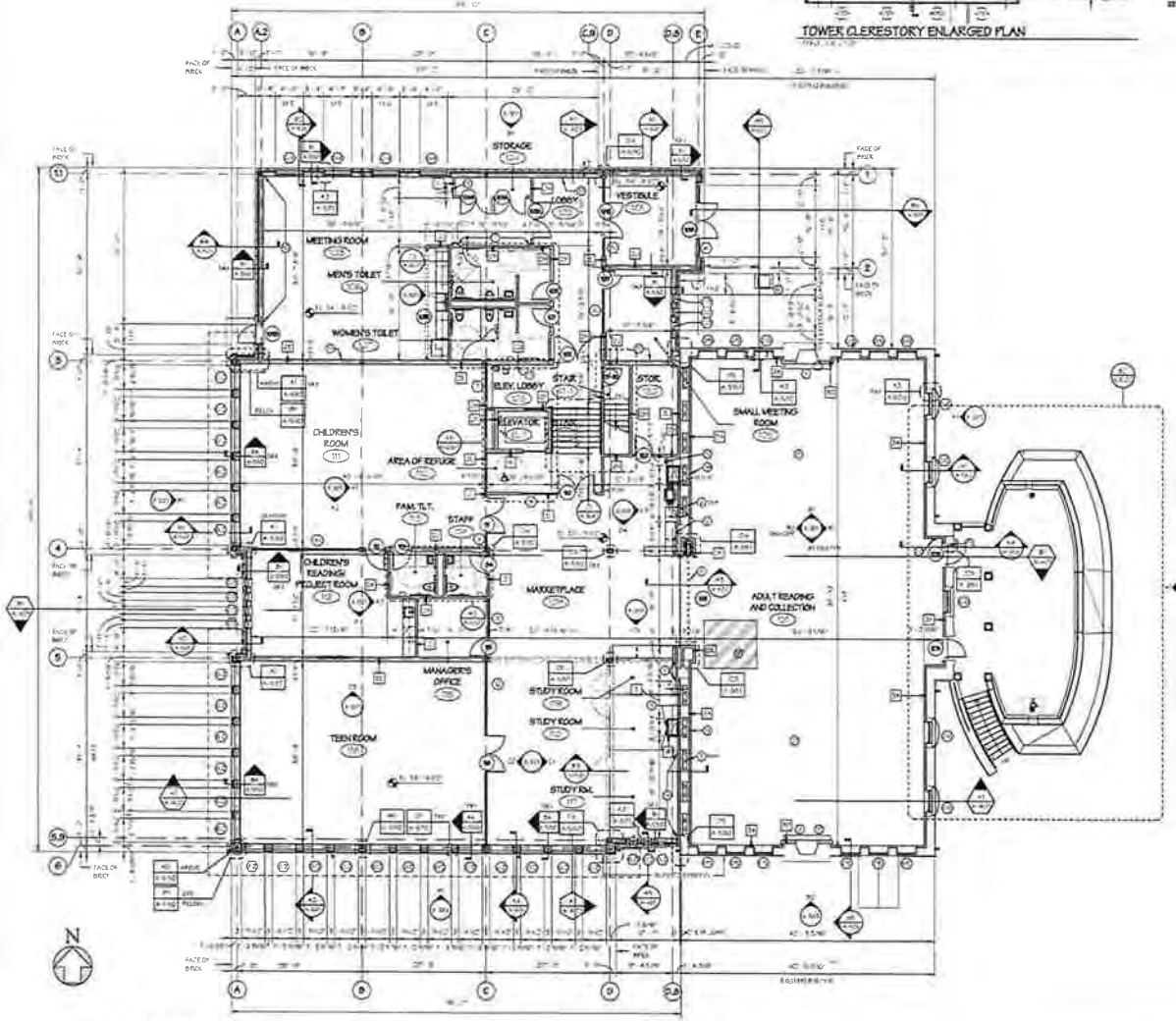
## CONSTRUCTION NOTES

1. [illegible] FOR DETAILS
2. INFILL WINDOW OPENING WITH 8" CMU PROVIDE NONE SHRINK GROUT AT LINTEL. MAINTAIN 2 HR PRESERVATION OF OVERALL WALL
3. SEAL EXISTING FIREPLACE FLUE AND DAMPER
4. EXISTING MASONRY WALL TO REMAIN, OC TO FIRST WALLS FOR NEW PAINT.
5. HATCHED AREA OF NEW SLAB INFILL AND LOW WALL TO MATCH EXISTING.
6. BOOK DROP
7. (5) 8'-0" ROWS OF COAT RACKS (CR-5), BOTTOM ROW MOUNTED AT 3'-0" A.F.F., AND TOP ROW MOUNTED AT 6'-0" A.F.F., PROVIDE BLOCKING AS REQUIRED.
8. 2 HOUR RATED HORIZONTAL ROLLING FIRE DOOR ASSEMBLY, SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION
9. JANITOR CLOSET SHELF, REFER TO DETAIL ON A-950 FOR FURTHER INFORMATION.
10. MATCHED AREA OF EXISTING ELEVATOR TO BE FILLED IN AND NEW SLAB TO MATCH EXISTING
11. 3'-0" HANGING ART DISPLAY RAIL (HD-1) CENTERED ON WALL, MOUNTED 8'-0" A.F.F.
12. 8'-0" HANGING ART DISPLAY RAIL (HD-1) CENTERED ON WALL, MOUNTED 8'-0" A.F.F.
13. 10'-8" HANGING ART DISPLAY RAIL (HD-1) CENTERED ON WALL, MOUNTED 8'-0" A.F.F.
14. 14'-0" HANGING ART DISPLAY RAIL (HD-1) CENTERED ON WALL, MOUNTED 8'-0" A.F.F.
15. 24'-4" HANGING ART DISPLAY RAIL (HD-1) CENTERED ON WALL, MOUNTED 8'-0" A.F.F.
16. FLOOR INFILL @ EXISTING ELEVATOR TO MATCH EXISTING
17. ELECTRIC, HEATLESS FIREPLACE INSERT AND SURROUND. PROVIDE $8,000 ALLOWANCE FOR UNIT AND INSTALLATION PER INSTANCE.
18. TWO-WAY COMMUNICATION SYSTEM TO BE RECESSED INTO EXTERIOR DOOR JAMB. COORDINATE WITH ELECTRICAL DRAWINGS.
19. RETURN AIR GRILL. PROVIDE LINTELS AT EXISTING BRICK, SET LOUVER 8" ABOVE FINISHED FLOOR.
20. SEMI-RECESSED FIRE EXTINGUISHER - SEE SHEET A-950 FOR DETAIL. FINAL LOCATION TO BE CONFIRMED BY LOCAL FIRE MARSHALL.
21. NEW RADIANT SYSTEM UNDER EXISTING FLOOR. REFER TO MEP DRAWINGS FOR MORE INFORMATION.
22. PROVIDE 5/8" FIRE RATED PLYWOOD ON ALL FOUR WALLS.

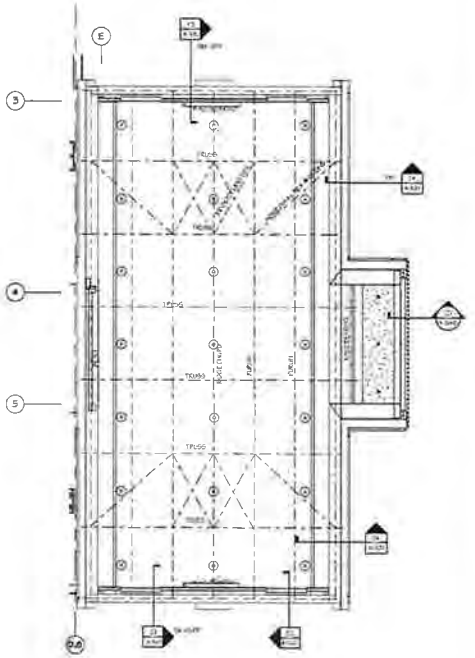
## GENERAL CONSTRUCTION NOTES

NOTE: THE FOLLOWING NOTES APPLY TO ALL AREAS OF REQUIRED WORK.

A. ALL CONTRACTORS SHALL VISIT THE PROJECT SITE AND FAMILIARIZE THEMSELVES WITH ALL BUILDING AND WORKING CONDITIONS BEFORE SUBMITTING A BID.
B. ALL CONTRACTORS TO HAVE ADEQUATE INSURANCE AND SHALL SUBMIT PROOF OF SAME BEFORE STARTING WORK.
C. ALL CONTRACTORS SHALL OBTAIN AND PAY FOR ANY PERMITS REQUIRED FOR HIS DISCIPLINE.
D. ALL DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS OTHERWISE NOTED. ANY DIMENSIONS INDICATED AS "CLEAR" OR "HOLD" ARE CRITICAL DIMENSIONS FROM FINISHED FACE TO FINISHED FACE.
E. ALL CONTRACTORS SHALL VERIFY ALL DIMENSIONS IN THE FIELD AS REQUIRED BEFORE SUBMITTING SHOP DRAWINGS AND/OR PRIOR TO PERFORMING ALL WORK REQUIRED AS SHOWN ON THESE DRAWINGS. ALL WALLS AND/OR PERIMETRICALLY LOCATED ITEMS SHALL BE STAKED IN THE FIELD TO VERIFY ACCURACY OF LAYOUT PRIOR TO CONSTRUCTION. ALL DISCREPANCIES THAT MAY IMPEDE THE FINISHED PRODUCT OF THIS CONTRACT SHALL BE DISCUSSED WITH THE ARCHITECT BEFORE PROCEEDING WITH WORK.
F. ALL WORK SHALL CONFORM TO EXISTING CODES, REGULATIONS, AND MINIMUM REQUIREMENTS, AND BE DONE IN A FIRST CLASS CRAFTSMAN-LIKE MANNER, ACCORDING TO GOOD CONSTRUCTION PRACTICES.
G. ALL CONTRACTORS TO BE RESPONSIBLE FOR KEEPING AREAS AS ADJACENT TO WORK AREA CLEAN AND FREE FROM ALL MATERIALS CONNECTED WITH ALTERATION/RENOVATION WORK. AREAS TO BE CLEANED AT THE END OF EACH WORK DAY.
H. GENERAL CONTRACTOR SHALL COORDINATE ALL WORK, INCLUDING ALL N.I.C. ITEMS THROUGHOUT PROJECT. CONTACTS FOR N.I.C. WORK SHALL BE PROVIDED BY CLIENT (OR CLIENT REPRESENTATIVE). PRICING FOR PROJECT SHALL NOT INCLUDE N.I.C. ITEMS - TYPICAL.
I. ALL COLORS, MATERIALS, ETC. TO BE SELECTED BY ARCHITECT. SUBMIT SAMPLES FOR APPROVAL IF ANY SUBSTITUTIONS ARE PROPOSED.
J. ALL CONTRACTORS ARE TO BE CONSIDERED PRIMARY FOR THEIR PARTICULAR DISCIPLINE. THE NOTES ABOVE APPLY TO ALL.
K. FURNISH AND INSTALL FRAMELESS ACCESS DOORS WHERE REQUIRED FOR ACCESS TO "ACTIVE" BUILDING SYSTEMS, VALVES, ETC. REVIEW LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
L. PROVIDE AND INSTALL CONCEALED WOOD BLOCKING (MIN 1" THICK) WITHIN THE WALL CAVITY FOR ALL SURFACE-MOUNTED ITEMS (SPACESETS, ATTACHMENTS, MILLWORK, FURNITURE SYSTEMS, COAT HOOKS, AND TOILET ACCESSORIES, ETC.)
M. ALL ABANDONED UTILITY LINES (PLUMBING & ELECTRICAL) SHALL BE CUT & CAPPED BELOW FLOOR LINE OR BEHIND WALLS IN FLOOR OR WALL SHALL BE FINISHED TO MATCH EXISTING ADJACENT SURFACE.
N. ALL POWER, DATA/PHONE, AND SECURITY (INCOMING) RECONNECT TO BE COORDINATED BY THE GENERAL CONTRACTOR.
O. ALL HVAC DIFFUSERS, DUCTWORK, ETC. SHALL BE COORDINATED WITH THESE DRAWINGS. ANY DISCREPANCIES OR ISSUES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR REVIEW.
P. ALL NEW DOOR FRAMES TO START 4" OFF PERPENDICULAR WALL UNLESS OTHERWISE NOTED.




FIRST FLOOR PLAN



ATTIC PLAN

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

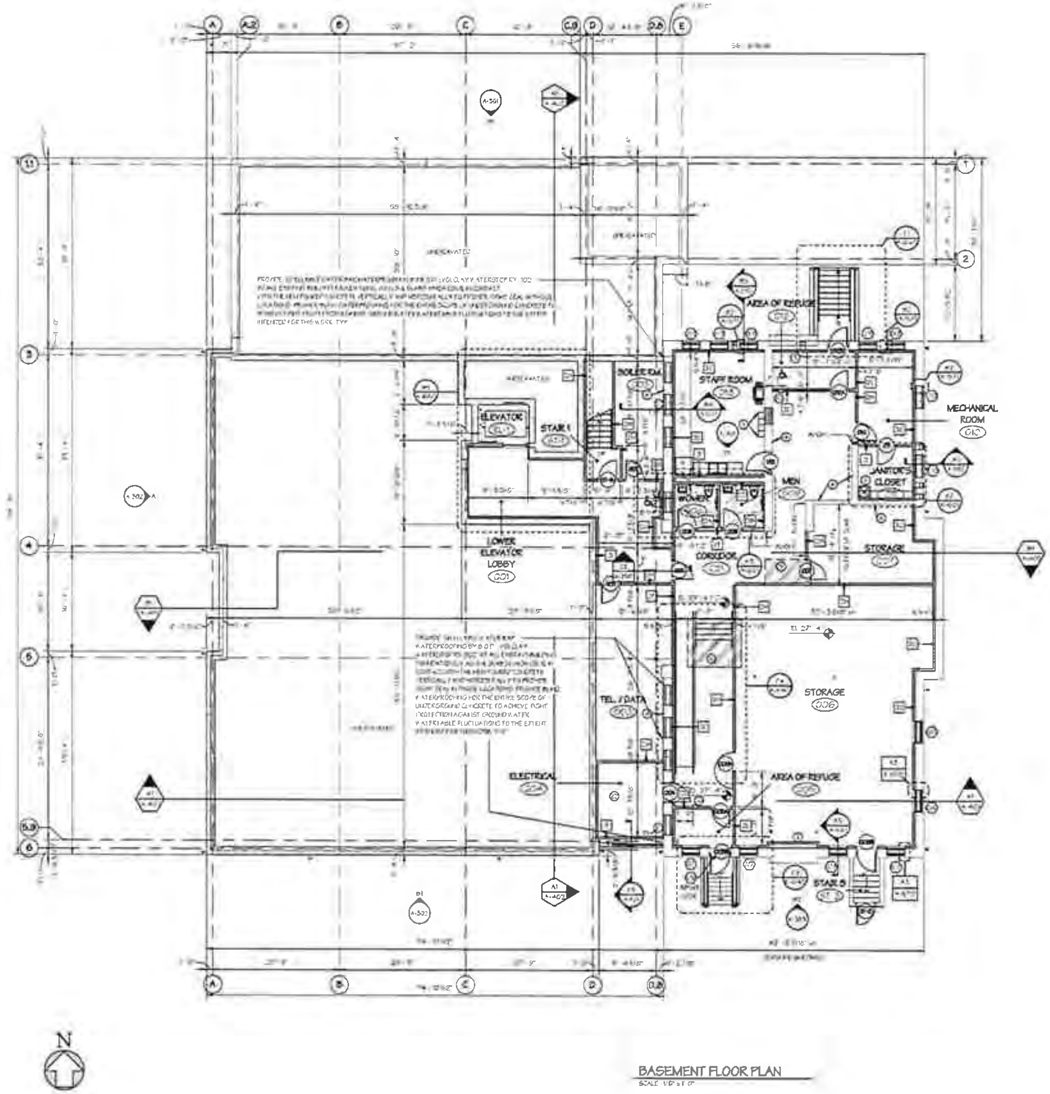
BRIDGEPORT LIBRARY
NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

FIRST FLOOR, ATTIC AND TOWER CLERESTORY PLAN

SCALE: As indicated | DRAWN BY: RA | CHECKED BY: JR

A-101

DATE: 12 JANUARY 2018 | JOB NUMBER: 16010




BASEMENT FLOOR PLAN

## GENERAL CONSTRUCTION NOTES

NOTE: THE FOLLOWING NOTES APPLY TO ALL AREAS OF REQUIRED WORK.

A. ALL CONTRACTORS SHALL VISIT THE PROJECT SITE AND FAMILIARIZE THEMSELVES WITH ALL BUILDING AND WORKING CONDITIONS BEFORE SUBMITTING A BID.
B. ALL CONTRACTORS TO HAVE ADEQUATE INSURANCE AND SHALL SUBMIT PROOF OF SAME BEFORE STARTING WORK.
C. ALL CONTRACTORS SHALL OBTAIN AND PAY FOR ANY PERMITS REQUIRED FOR HIS DISCIPLINE.
D. ALL DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS OTHERWISE NOTED. ANY DIMENSIONS INDICATED AS "CLEAR" OR "HOLD" ARE CRITICAL DIMENSIONS FROM FINISHED FACE TO FINISHED FACE.
E. ALL CONTRACTORS SHALL VERIFY ALL DIMENSIONS IN THE FIELD AS REQUIRED BEFORE SUBMITTING SHOP DRAWINGS AND/OR PRIOR TO PERFORMING ALL WORK REQUIRED AS SHOWN ON THESE DRAWINGS. ALL WALLS AND/OR PERMANENTLY LOCATED ITEMS SHALL BE CHALKED ON THE FLOOR TO VERIFY ACCURACY OF LAYOUT PRIOR TO CONSTRUCTION. ALL DISCREPANCIES THAT MAY AFFECT THE FINISHED PRODUCT OF THIS CONTRACT SHALL BE DISCUSSED WITH THE ARCHITECT BEFORE PROCEEDING WITH WORK.
F. ALL WORK SHALL CONFORM TO EXISTING CODES, REGULATIONS, AND SEISMIC REQUIREMENTS, AND BE DONE IN A FIRST CLASS CRAFTSMAN-LIKE MANNER, ACCORDING TO GOOD CONSTRUCTION PRACTICES.
G. ALL CONTRACTORS TO BE RESPONSIBLE FOR KEEPING AREAS ADJACENT TO WORK AREA CLEAN AND FREE FROM ALL MATERIALS CONNECTED WITH ALTERATION/ RENOVATION WORK. AREAS TO BE CLEANED AT THE END OF EACH WORK DAY.
H. GENERAL CONTRACTOR SHALL COORDINATE ALL WORK, INCLUDING ALL N.I.C. ITEMS THROUGHOUT PROJECT. CONTACTS FOR N.I.C. WORK SHALL BE PROVIDED BY CLIENT (OR CLIENT REPRESENTATIVE). PRICING FOR PROJECT SHALL NOT INCLUDE N.I.C. ITEMS - TYPICAL.
I. ALL COLORS, MATERIALS, ETC. TO BE SELECTED BY ARCHITECT. SUBMIT SAMPLES FOR APPROVAL IF ANY SUBSTITUTIONS ARE PROPOSED.
J. ALL CONTRACTORS ARE TO BE CONSIDERED PRIMARY FOR THEIR PARTICULAR DISCIPLINE; THE NOTES ABOVE APPLY TO ALL.
K. FURNISH AND INSTALL FRAMELESS ACCESS DOORS WERE REQUIRED FOR ACCESS TO "ACTIVE" BUILDING SYSTEMS, VALVES, ETC. REVIEW LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
L. PROVIDE AND INSTALL CONCEALED WOOD BLOCKING (MIN 1" THICK) WITHIN THE WALL CAVITY FOR ALL SURFACE-MOUNTED ITEMS (BRACKETS, STANDARDS, MILLWORK, FURNITURE SYSTEMS, COAT HOOKS, AND TOILET ACCESSORIES, ETC.)
M. ALL ABANDONED UTILITY LINES (PLUMBING & ELECTRICAL) SHALL BE CUT & CAPPED BELOW FLOOR LINE OR BEHIND WALL LINE-FLOOR OR WALL SHALL BE FINISHED TO MATCH EXISTING ADJACENT SURFACE.
N. ALL POWER, DATA/PHONE, AND SECURITY DISCONNECT/RECONNECT TO BE COORDINATED BY THE GENERAL CONTRACTOR.
O. ALL HVAC DIFFUSERS, DUCTWORK, ETC. SHALL BE COORDINATED WITH THESE DRAWINGS. ANY DISCREPANCIES OR ISSUES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR REVIEW.
P. ALL NEW DOOR FRAMES TO START 4" OFF PERPENDICULAR WALL UNLESS OTHERWISE NOTED.

## CONSTRUCTION NOTES

1 (4) DOUBLE TIER LOCKERS WITH SLOPE TOP, SEE FINISH LEGEND AND SPECIFICATIONS FOR DETAILS
2 INFILL WINDOW OPENING WITH 8" CMU PROVIDE NONE SHOWN, GROUT AT LINTEL. MAINTAIN 2 HR FIRE RATING OF OVERALL WALL
3 SEAL EXISTING FIREPLACE FLUE AND CHIMNEY
4 EXISTING MASONRY WALLS TO REMAIN, [illegible]
5 PATCHED AREA OF NEW SLAB INFILL AND LOW WALLS TO MATCH EXISTING
6 BOOK DROP
7 (2) 6'-0" ROWS OF COAT RACKS (CR-1), BOTTOM ROW MOUNTED AT 3'-0" A.F.F. AND TOP ROW MOUNTED AT 5'-0" A.F.F., PROVIDE BLOCKING AS REQUIRED.
8 2 HOUR RATED HORIZONTAL FOLDING FIRE DOOR ASSEMBLY, SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION
9 JANITOR CLOSET SHELF, REFER TO DETAIL [illegible] FOR FURTHER INFORMATION
10 PATCHED AREA OF EXISTING ELEVATOR TO BE FILLED IN AND NEW SLAB TO MATCH EXISTING
11 5'-0" HANGING ART DISPLAY RAIL (HD-1) CENTERED ON WALL, MOUNTED 8'-0" A.F.F.
12 6'-0" HANGING ART DISPLAY RAIL (HD-1) CENTERED ON WALL, MOUNTED 8'-0" A.F.F.
13 10'-6" HANGING ART DISPLAY RAIL (HD-1) CENTERED ON WALL, MOUNTED 8'-0" A.F.F.
14 [illegible] HANGING ART DISPLAY RAIL (HD-1) CENTERED ON WALL, MOUNTED 8'-0" A.F.F.
15 24'-6" HANGING ART DISPLAY RAIL (HD-1) CENTERED ON WALL, MOUNTED 8'-0" A.F.F.
16 FLOOR INFILL @ EXISTING ELEVATOR TO MATCH EXISTING
17 ELECTRIC, HEATLESS FIREPLACE INSERT AND SURROUND. PROVIDE $8,000 ALLOWANCE FOR UNIT AND INSTALLATION PER INSTANCE.
18 TWO-WAY COMMUNICATION SYSTEM TO BE RECESSED INTO EXTERIOR DOOR JAMB. COORDINATE WITH ELECTRICAL DRAWINGS.
19 [illegible]
20 SEMI-RECESSED FIRE EXTINGUISHER - SEE SHEET A-550 FOR DETAIL. FINAL LOCATION TO BE CONFIRMED BY LOCAL FIRE MARSHALL.
21 NEW RADIANT SYSTEM UNDER EXISTING FLOOR, REFER TO MEP DRAWINGS FOR MORE INFORMATION.
22 PROVIDE 3/4" FIRE RATED PLYWOOD ON ALL FOUR WALLS.

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |

# BRIDGEPORT LIBRARY

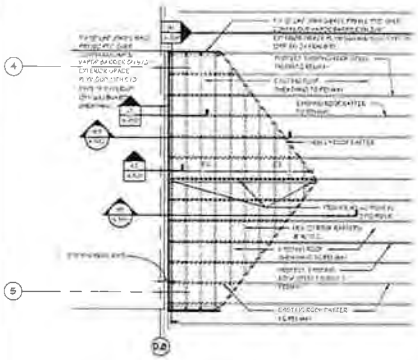
NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

BASEMENT FLOOR PLAN

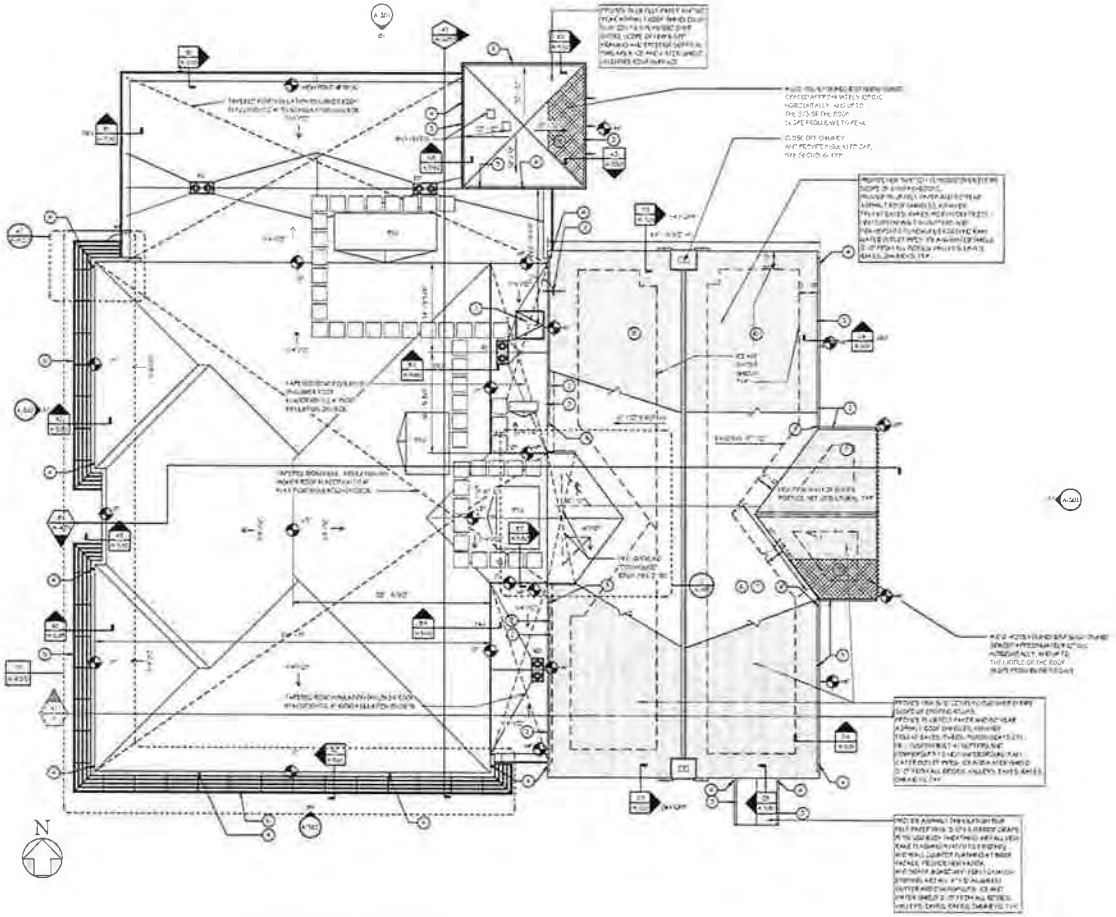
SCALE: As indicated | DRAWN BY: JLA

A-1B1

DATE: 12 JANUARY 2018 | JOB NUMBER: 16010

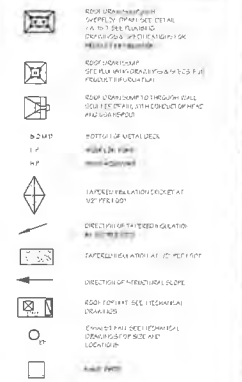


2 ENLARGED OVERLAID ROOF PLAN



1 ROOF PLAN

## ROOF GRAPHICS LEGEND



## GENERAL ROOFING NOTES

A. AT NEW ADDITION EXCEPT THE TOWER, PROVIDE NEW ROOFING ASSEMBLY TO BE FULLY ADHERED EPDM MEMBRANE SYSTEM OVER 1/2" ROOF BOARD, OVER SCHEDULED TAPERED INSULATION AND ON 4" RIGID INSULATION. INSULATION SHALL BE INSTALLED OVER CONTINUOUS SELF-ADHERED SHEET VAPOR RETARDER ON 5/8" GLASS-MAT TYPE X WATER RESISTANT SYSTEM BOARD FASTENED TO ROOF DECK.
B. PROVIDE WALKWAY PADS FROM ROOF ACCESS POINTS TO AND AROUND ALL EQUIPMENT. SEE SPECIFICATIONS FOR MORE INFORMATION.
C. ALL NEW EPDM ROOFS SHALL SLOPE AT 1/4" PER FOOT (MIN) WITH 1/8" PER FOOT CRICKET (TYP).
D. ROOFING CONTRACTOR SHALL COORDINATE ALL ROOF WORK WITH OTHER TRADES.
E. MECHANICAL EQUIPMENT ON ROOF SHALL BE INSTALLED USING A PRE-MANUFACTURED INSULATED CURB WHERE IDENTIFIED IN DETAILS OR SPECIFICATIONS. CURB FLASHING SHALL COMPLY WITH ROOFING MANUFACTURER'S RECOMMENDATIONS. COORDINATE WITH MECHANICAL DRAWINGS AND SPECIFICATIONS.
F. ROOFING CONTRACTOR IS RESPONSIBLE FOR ALL WOOD BLOCKING AND FLASHING AT DRAINS, CURBS, EXPANSION JOINT, ROOF TRANSITIONS, ETC. ALL WOOD BLOCKING TO BE PRESSURE TREATED. SEE MECHANICAL AND PLUMBING DRAWINGS FOR ANY ROOF PENETRATIONS AND EQUIPMENT NOT SHOWN ON THIS DRAWING.
G. WHERE NEW AND EXISTING ROOFING ASSEMBLIES ADJT., PROVIDE TRANSITION DETAILS.
H. CONTRACTOR SHALL CONFIRM THE DIMENSIONS OF THE EQUIPMENT BASES AND THE EXTENT OF THE TAPERED CRICKET REQUIRED TO KEEP WATER OFF OF THE UNITS. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION AND COORDINATE WITH MECHANICAL CONTRACTOR ON SITE AS REQUIRED FOR SEAMLESS INSTALLATION.
I. WHERE MECHANICALLY FASTENING RIGID ROOF INSULATION TO ANY CONCRETE OR MASONRY BASE MATERIAL, PRE-DRILL ALL HOLES PER MANF INSTRUCTIONS.
J. PROVIDE INSULATED EDGE STRIPS TO TRANSITIONS ROOFING BETWEEN HIGH POINTS AND LOW POINTS.
K. MIN THICKNESS OF INSULATION AT ROOF DRAINS SHALL BE 4".

## ROOF CONSTRUCTION NOTES

1. 4' X 4' ROOF ACCESS HATCH WITH GUARDING AND SWING GATE
2. 2" ROOF EXPANSION JOINT AT NEW TO EXISTING STRUCTURE
3. RAIN GUTTER
4. DOWNSPOUT
5. ALUMINUM SUNSHADE
6. AFTER REMOVAL OF EXISTING PLUMBING VENTS, EXHAUST FANS, ETC., PATCH WITH PLYWOOD SHEATHING TO MATCH EXISTING. PROVIDE NEW 8/8" CDX PLYWOOD OVER 15LB FELT PAPER AND ASPHALT ROOF SHINGLES
7. PROVIDE SNOW GUARDS ON 50% OF ROOF SURFACE STARTING AT EAVES 18" APPART VERTICALLY AND HORIZONTALLY.

ALTERNATE NO. 1

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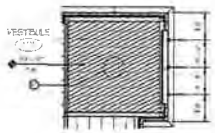
ROOF PLAN

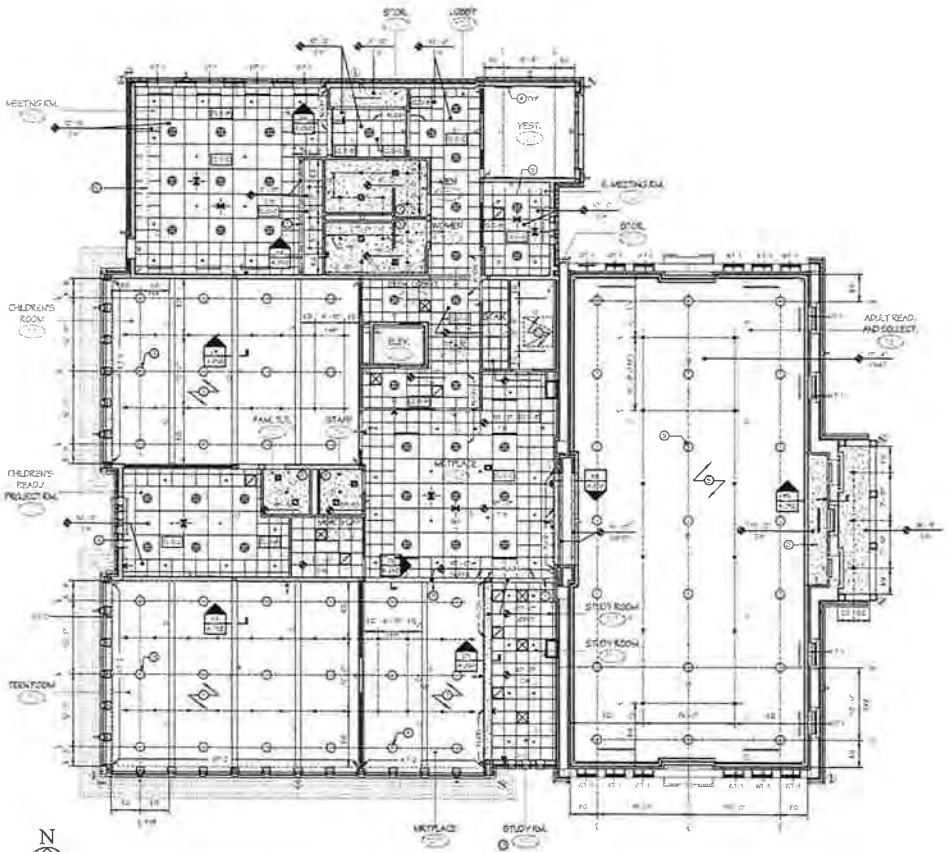
As indicated | MG / LG

A-1R1

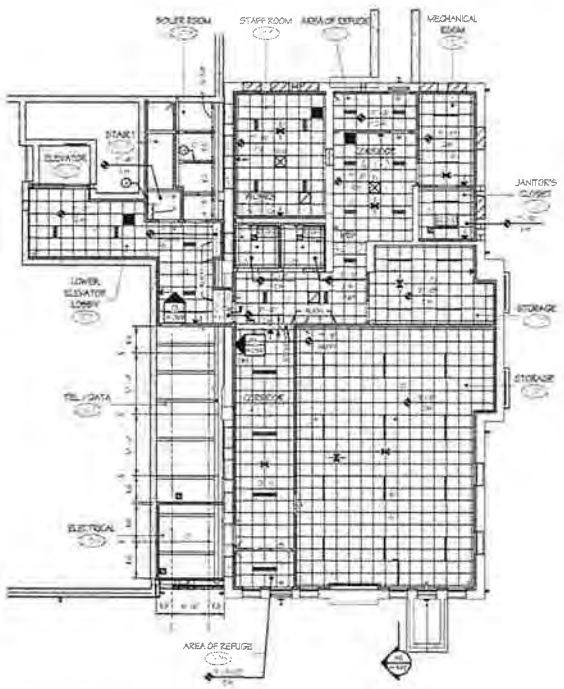
12 JANUARY 2018 | 16010




TOWER VESTIBULE - REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"




FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"




BASEMENT REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

## GENERAL CEILING CONSTRUCTION NOTES

A. ALL CEILING HEIGHTS SHALL BE ASSUMED ON CEILING PLANS AS RELATIVE TO THE TOP OF SLAB (SAME LEVEL OF THE ROOF) EXCEPT AS NOTED.
B. ALL PERIMETER TILES THAT HAVE BEEN CUT SHALL BE FIELD ADJUSTED TO MATCH FACTORY CUT AS IF CUT AND FACTORY EDGE.
C. ALL CEILINGS TO BE INSTALLED PER OSHA SEISMIC REQUIREMENTS.
D. ALL LAY-IN CEILINGS SHALL BE CENTERED IN THE MIDDLE OF SPACE IN EITHER DIRECTION AS INDICATED ON THESE DRAWINGS.
E. ALL ARCHITECTURAL CEILING TILES SHALL BE FIELD ADJUSTED.
F. ALL OPTICAL AND ACOUSTICAL CEILING UNITS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
G. ALL CEILING GRID SHALL BE PAINTED TO MATCH ADJACENT CEILING TILE.
H. ALL FLOOR MOUNTED CEILING TYPE LIGHTS ARE TO BE CENTERED ON CEILING GRID.
I. ALL LIGHTING FIXTURES SHALL BE CENTERED WITHIN SPACE OR ROOM U.N.O.
J. ALL LIGHTING FIXTURES SHALL BE CENTERED WITHIN SPACE OR ROOM U.N.O.
K. BOTTOM OF FIXTURES REGARDLESS OF HOW CEILING SHALL BE 9'-0" ABOVE FINISHED FLOOR U.N.O.
L. SURFACE MOUNTED CEILINGS WHICH SHALL BE INDEPENDENTLY SUPPORTED BY HANGER WIRES UP TO CONCRETE DECK OR STRUCTURAL FRAMING ABOVE.
M. ALL GRILLS RECESSED AT SOFFITS SHALL MATCH ADJACENT PAINT FINISH U.N.O.
N. SEE CEILING DETAILS FOR LOCATIONS OF ACOUSTIC CEILING TILE SYSTEM AND SUBSTRATE OTHER ABOVE CEILINGS.
O. REFER TO EXTERIOR ELEVATIONS AND SECTIONS FOR EXTERIOR SOFFITS IN PLACEMENT.

## CEILING NOTES

1. EXPOSED WOOD DECK CEILING - HEIGHT IS +/- 2" A.F.F., SHALL HAVE WOOD FINISH (W01).
2. MOTORIZED GRILLE DOOR RECESSED ABOVE CEILING, SHALL HAVE WHITE FINISH, ACCESS PANEL TO BE PROVIDED AND COORDINATED WITH GRILLE MOTOR LOCATION.
3. GYPSUM BOARD CEILINGS SHALL RECEIVE (1) LAYER OF MOISTURE RESISTANT 5/8" GYPSUM BOARD ON PRE-MANUFACTURED DRYWALL CEILING SUSPENSION SYSTEM. REFER TO SPECIFICATIONS.
4. MOUNT BOTTOM OF FIXTURE (W) 7'-6" ABOVE FINISHED FLOOR.
5. RECESSED PROJECTION SCREEN ABOVE A.C.T. CEILING, ENCLOSURE SHALL HAVE WHITE FINISH.
6. CEILING TO BE PAINTED (PT-1).
7. FLUSH SOFFIT TRANSITION GYPSUM BOARD TO ACOUSTICAL CEILING TILE. REFER TO A-250 SERIES FOR DETAIL.
8. MOUNT BOTTOM OF FIXTURE (F12) 8'-6" ABOVE FINISHED FLOOR, TYPICAL.
9. MOUNT BOTTOM OF FIXTURE (F2) 13'-0" ABOVE FINISHED FLOOR, TYPICAL.
10. MOUNT BOTTOM OF FIXTURE (F3) 18'-0" ABOVE FINISHED FLOOR.
11. FACE OF SOFFIT TO BE PAINTED (PT-1).
12. 4'-0" X 4'-0" ROOF ACCESS HATCH WITH GUARDRAIL AND SWING GATE, REFER TO ROOF PLAN.
13. STUDY ROOMS 117, 118 & 119 SHALL HAVE ONE CONTINUOUS CEILING (CLG-A).
14. MOUNT BOTTOM OF FIXTURE (F1) 9'-6" ABOVE FINISHED FLOOR.

## CEILING SYMBOLS LEGEND

- NEW 24" X 24" ACOUSTICAL CEILING TILES AND GRID
- NEW 12" DIA. LED FLUSH PAN FIXTURE
- NEW 24" X 24" LED RECESSED FIXTURE
- NEW 24" X 48" LED RECESSED FIXTURE
- NEW 24" X 24" LOW HIGH OUTPUT RECESSED FIXTURE
- NEW 24" X 48" LOW HIGH OUTPUT RECESSED FIXTURE
- NEW 4" DIA. LED SURFACE MOUNTED FIXTURE
- NEW 6" DIA. LED PENDANT FIXTURE
- NEW 6" EXTERIOR LED WALL MOUNTED FIXTURE - DIRECT/INDIRECT
- NEW 6" EXTERIOR LED WALL MOUNTED FIXTURE
- NEW 6" EXTERIOR LED RECESSED FIXTURE
- NEW 6" EXTERIOR LED WALL MOUNTED FIXTURE
- CEILING SMOKE DETECTOR - SEE ELEC DWGS
- CEILING MOUNTED MOTION DETECTOR, SEE ELEC DWGS
- WALL MOUNTED MOTION DETECTOR, SEE ELEC DWGS
- HEAT DETECTOR, SEE ELEC DWGS
- SECURITY DEVICES SEE ELEC DWGS

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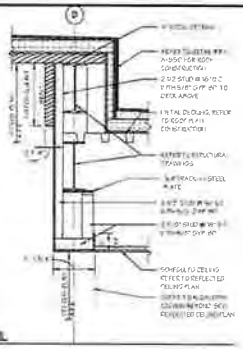
BASEMENT AND FIRST FLOOR REFLECTED CEILING PLAN

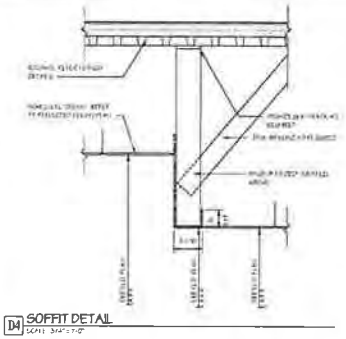
SCALE: As indicated | DRAWN BY: AEM

A-201

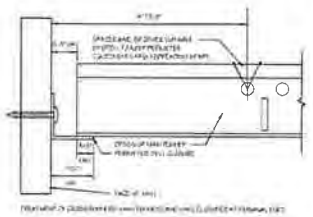
DATE: 23 JANUARY 2018 | JOB NUMBER: 16010



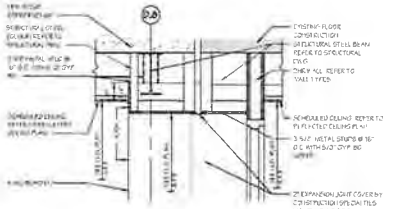
D3 SOFFIT DETAIL



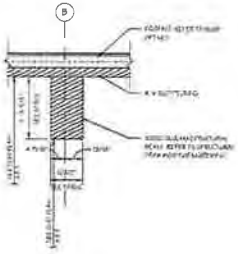
D4 SOFFIT DETAIL
SCALE: 3/4" = 1'-0"



D5 TYPICAL PERIMETER CEILING GRID - SEISMIC DETAIL



C3 SOFFIT DETAIL
SCALE: 3/4" = 1'-0"



C4 CEILING DETAIL
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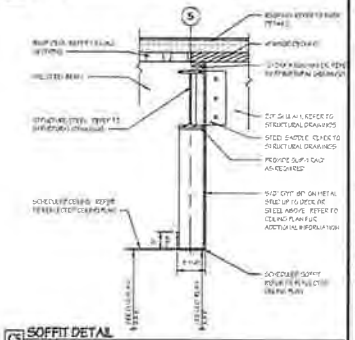
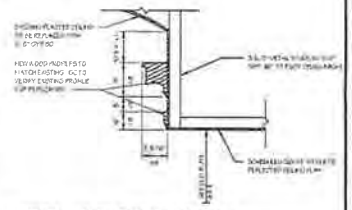
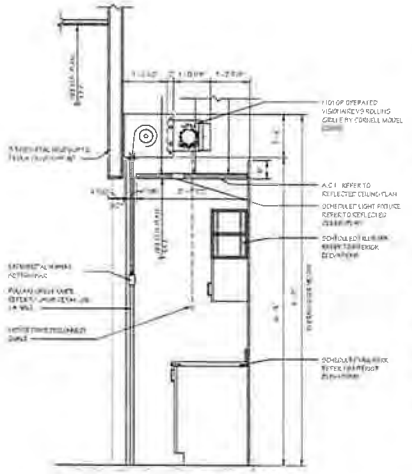


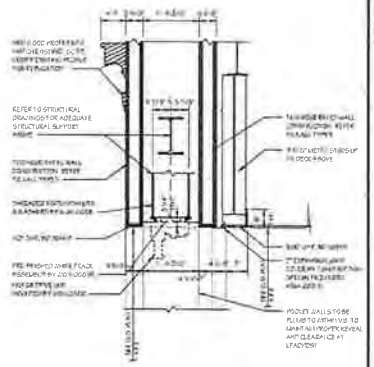
C5 SOFFIT DETAIL



B5 CROWN MOLDING TO CEILING DETAIL



A4 OVERHEAD DOOR SECTION
SCALE: 3/4" = 1'-0"



A5 SOFFIT DETAIL - WOD DOOR
SCALE: 3/4" = 1'-0"

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CEILING DETAILS

SCALE: As Indicated | DRAWN BY: LA | REVIEWED BY:

A-250

DATE: 12 JANUARY 2018 | 2016-0902 | 1601.0

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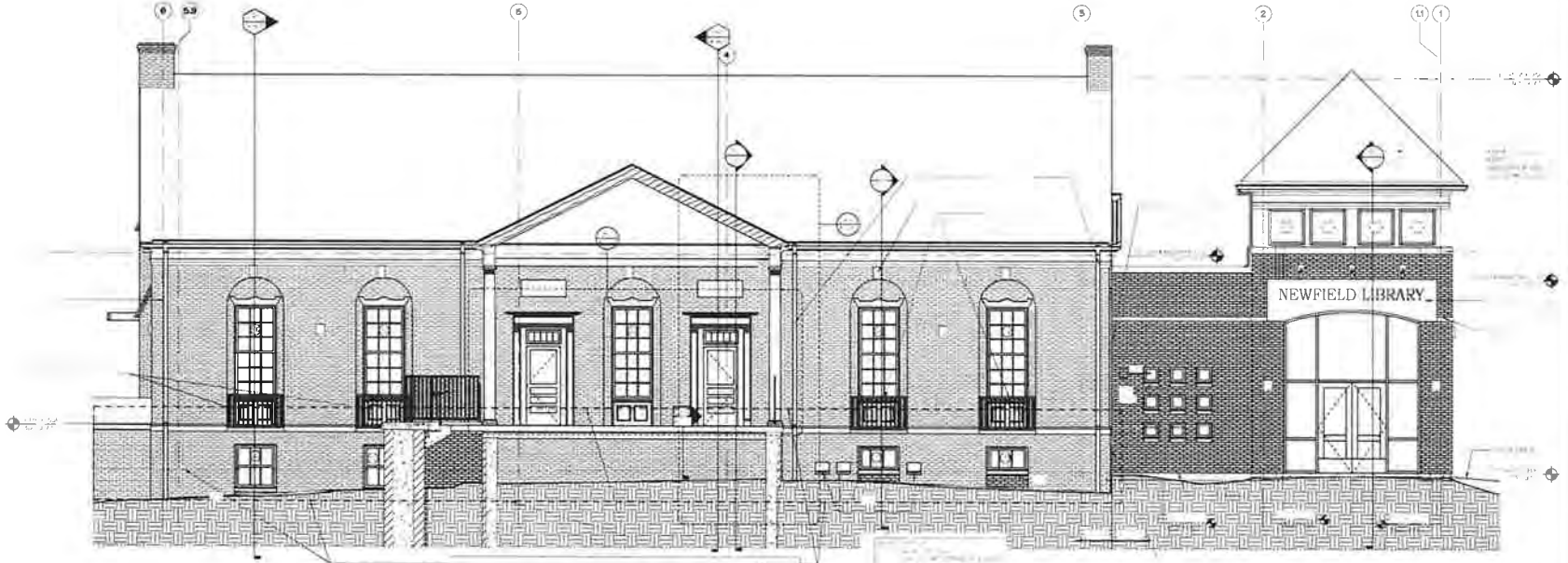
B1 WEST ELEVATION OF PORTICO

B2 PARTIAL SOUTH ELEVATION




A1 EAST ELEVATION

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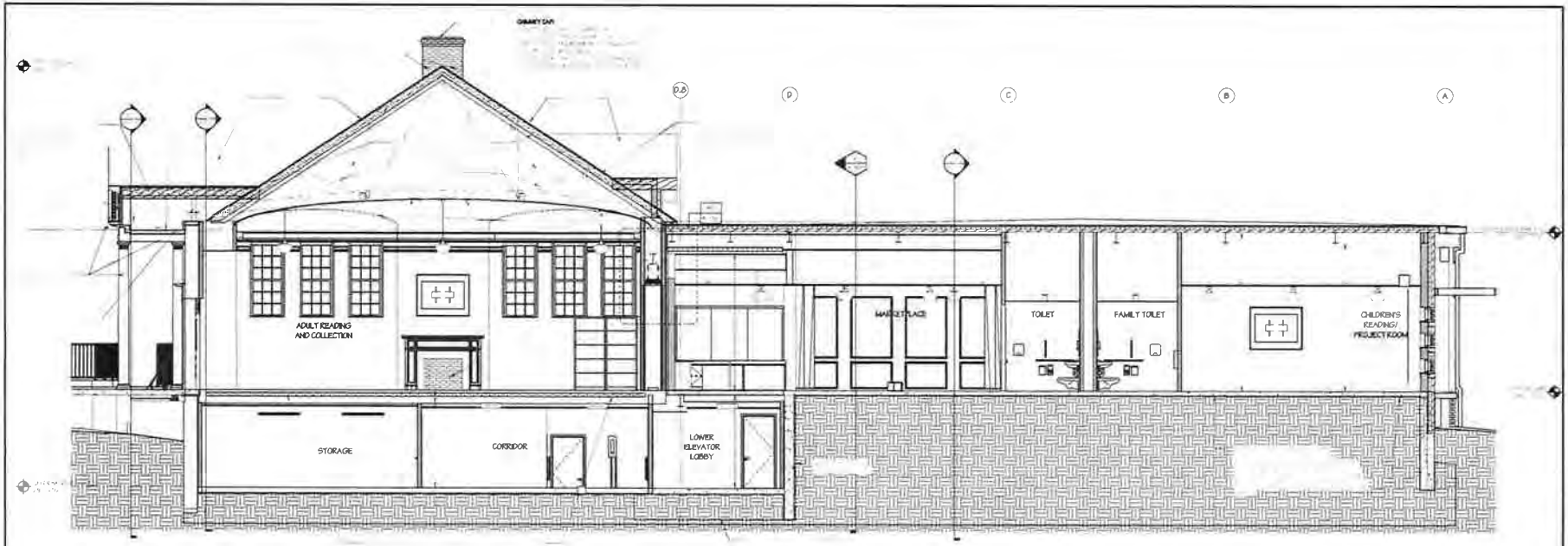


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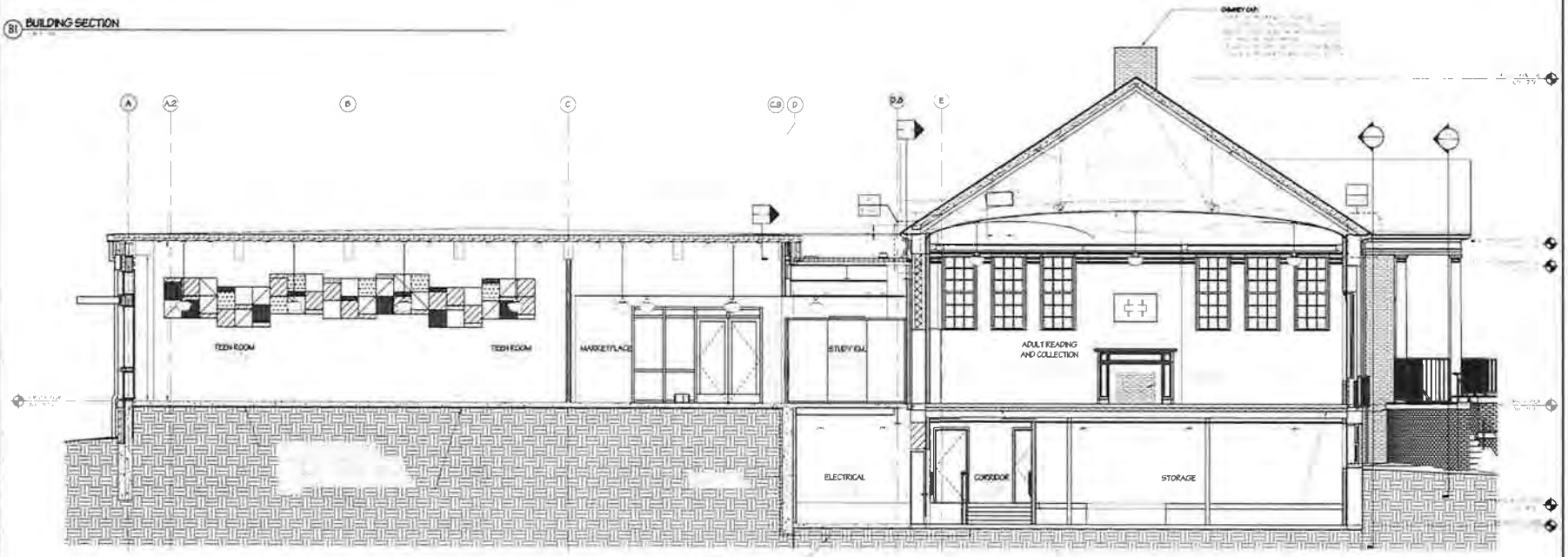


A1 BUILDING SECTION

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BUILDING SECTIONS

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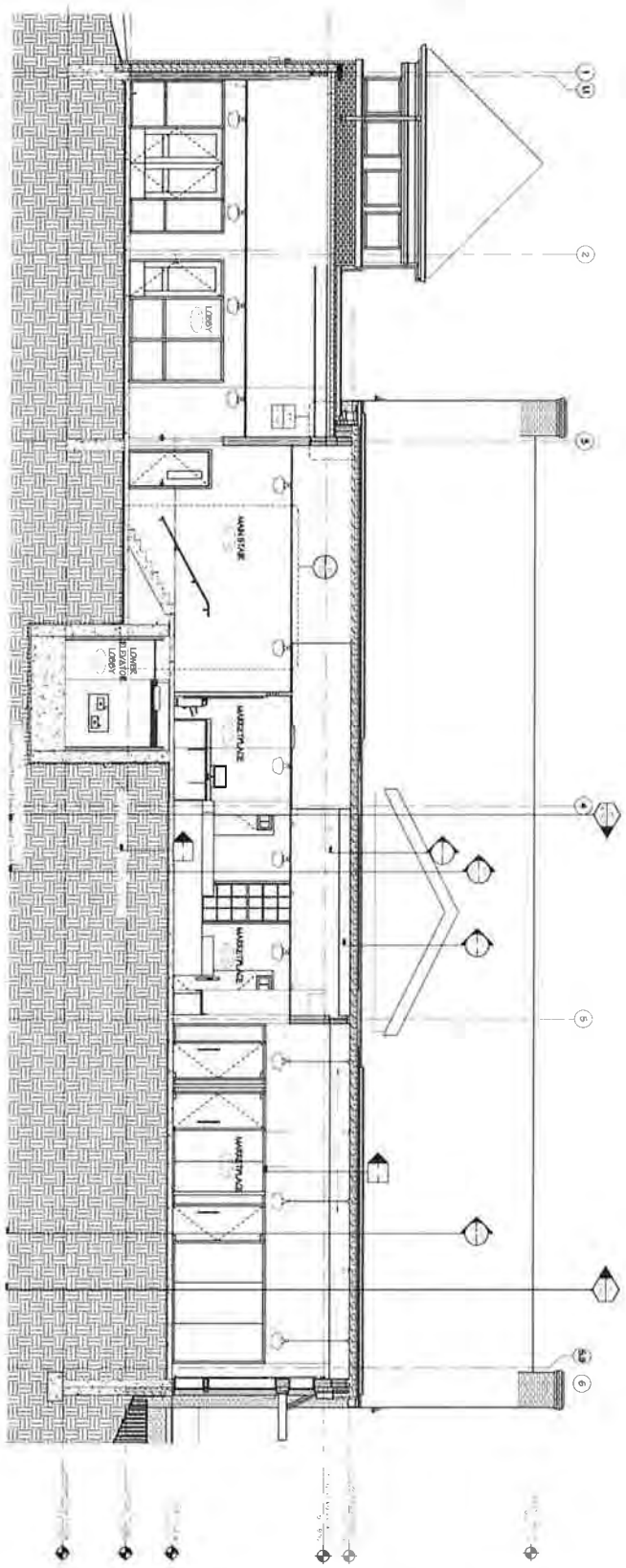


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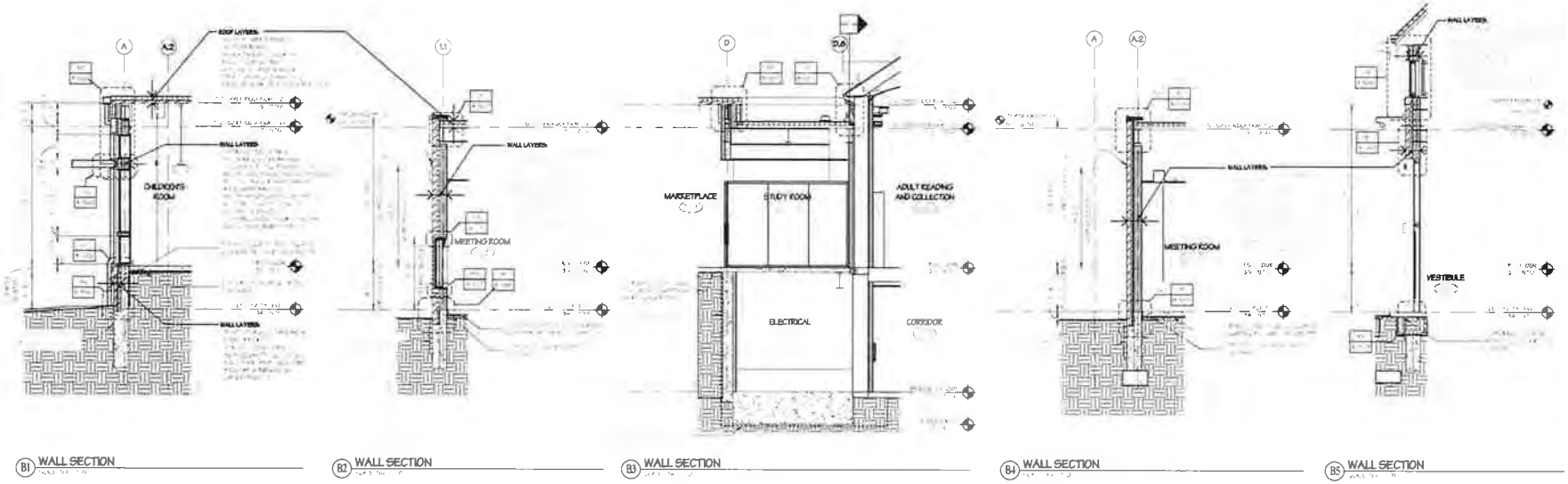
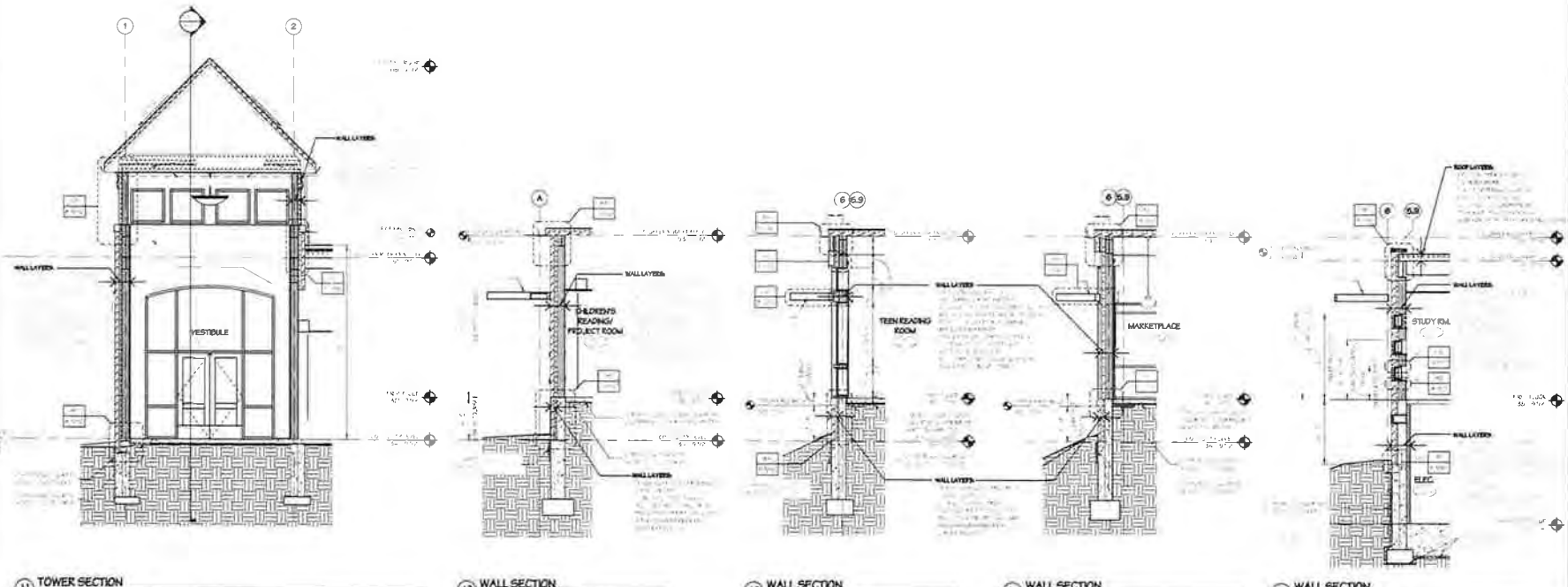
NOTE: REFER TO MECHANICAL DRAWINGS FOR RADIANT HEATING SLAB EXTENT AND SCOPE.




B1 WALL SECTION | B2 WALL SECTION | B3 WALL SECTION | B4 WALL SECTION | B5 WALL SECTION




A1 TOWER SECTION | A2 WALL SECTION | A3 WALL SECTION | A4 WALL SECTION | A5 WALL SECTION

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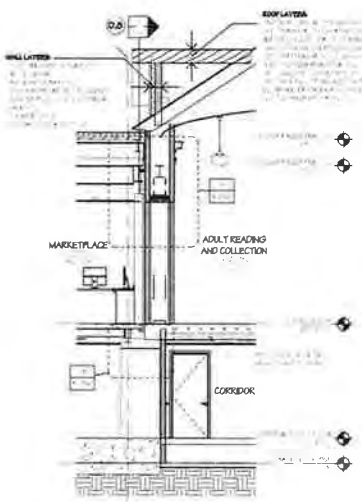


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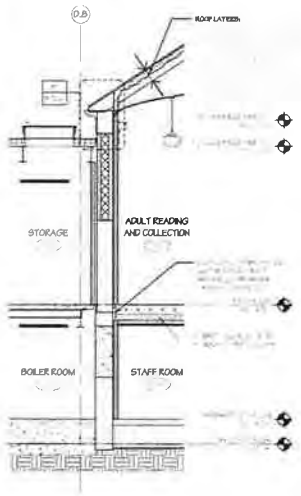


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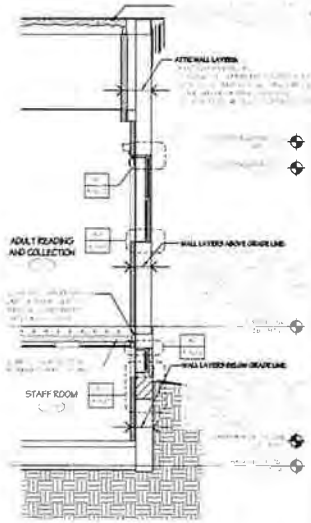


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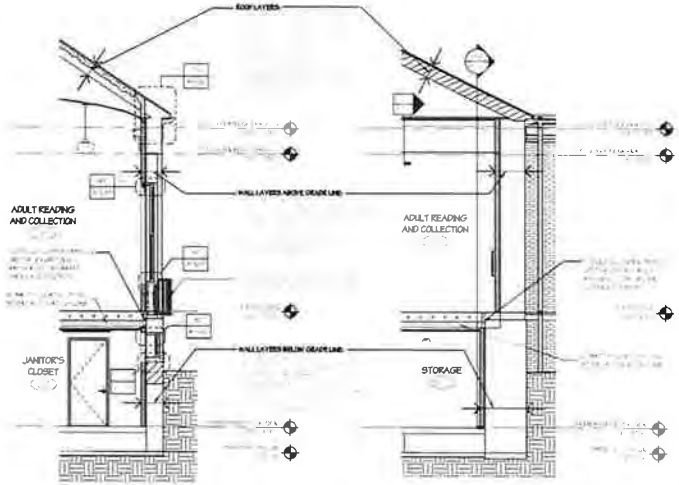
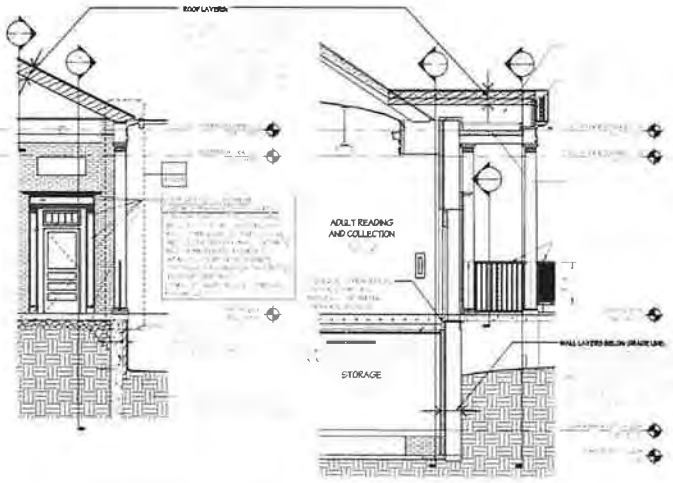


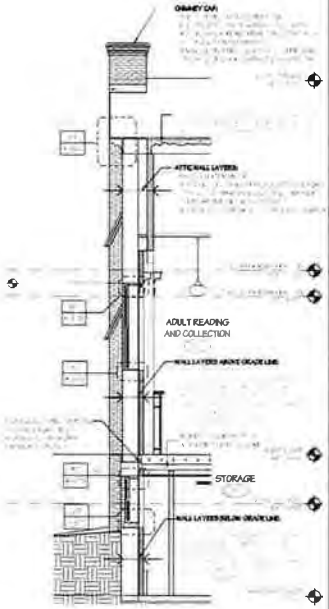

A1 WALL SECTION

A2 WALL SECTION




A3 WALL SECTION

A4 WALL SECTION




A5 WALL SECTION

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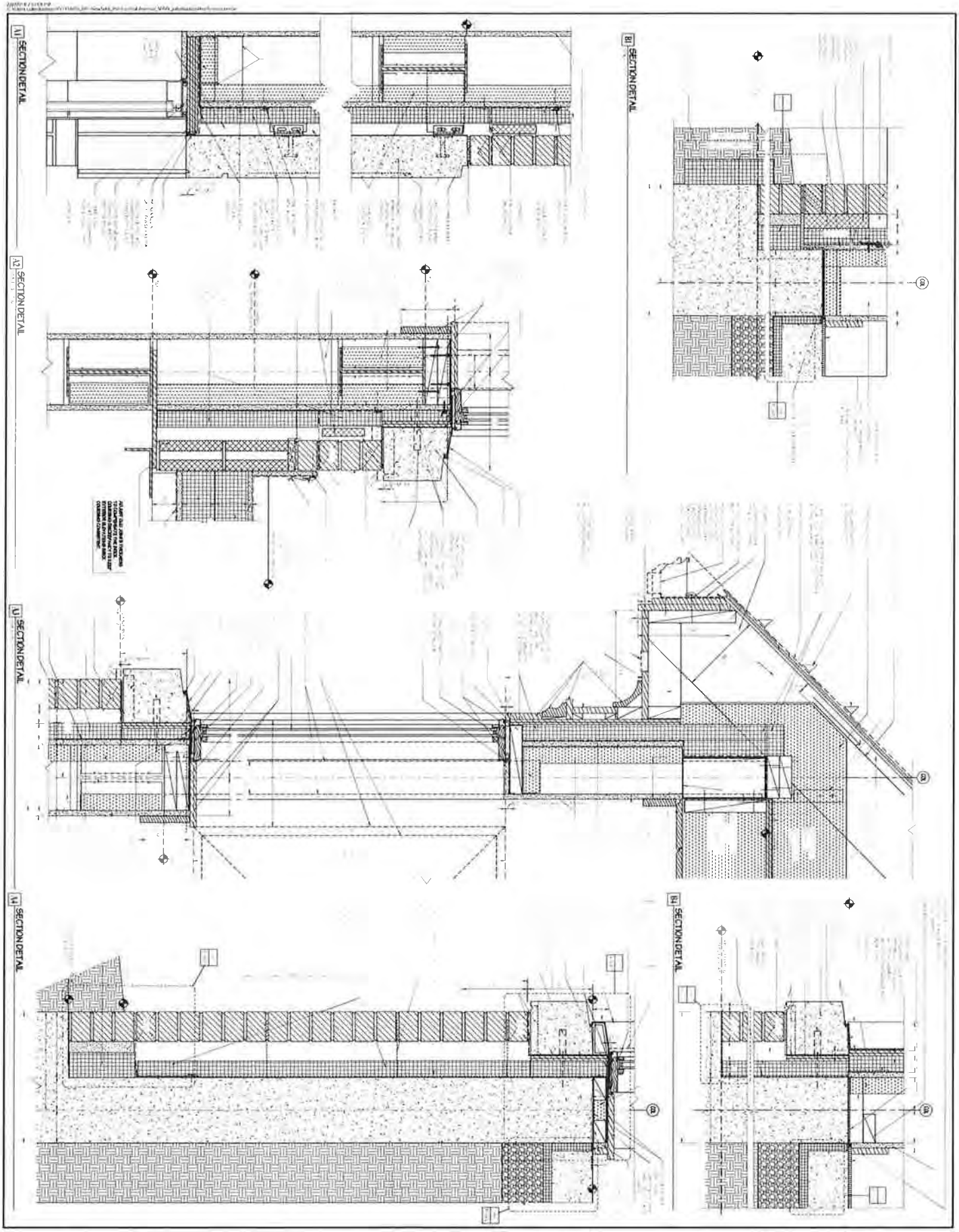


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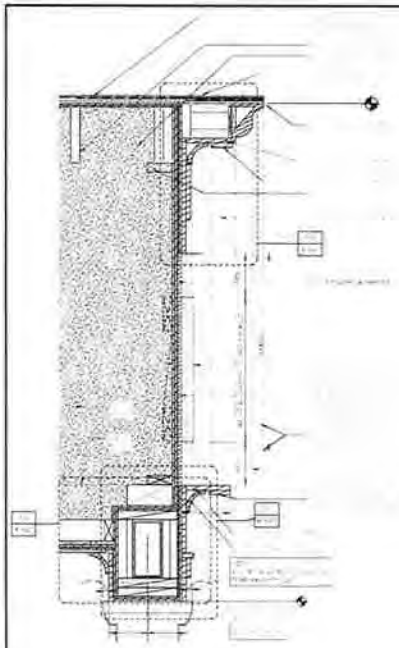
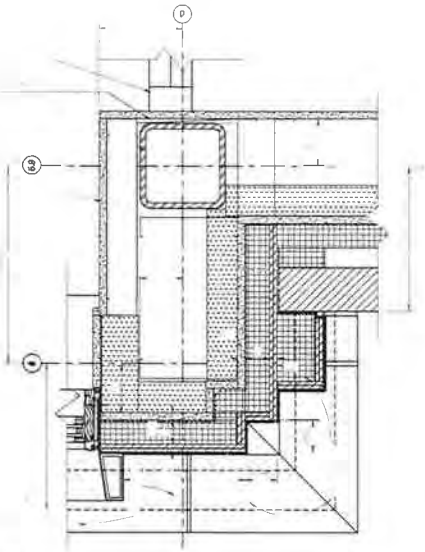
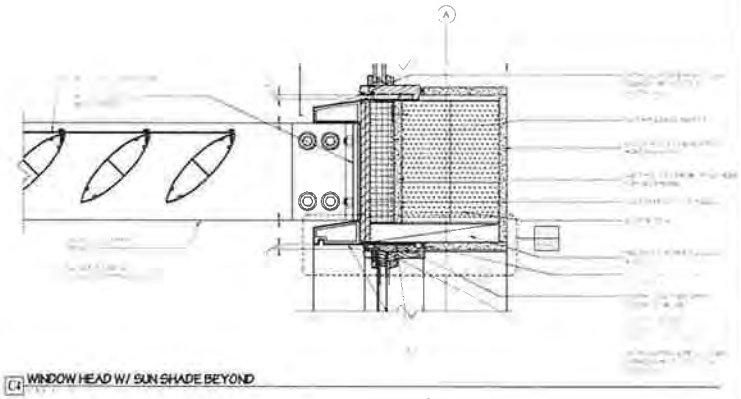


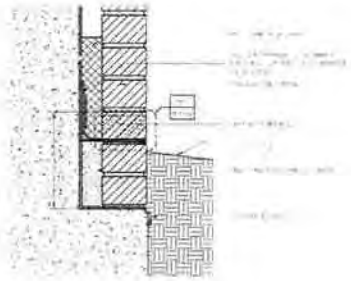
C1 SECTION DETAIL @ PORTICO FRONT



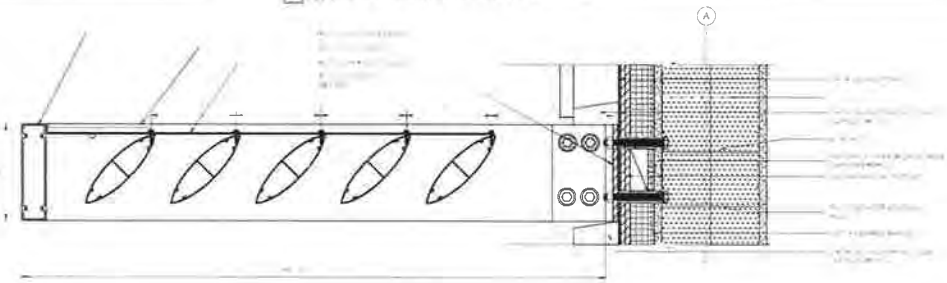
C2 PLAN DETAIL



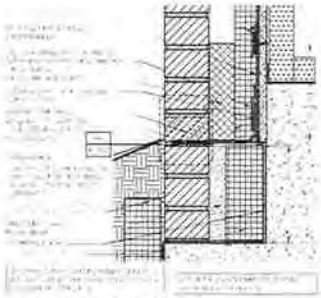
C4 WINDOW HEAD W/ SUN SHADE BEYOND



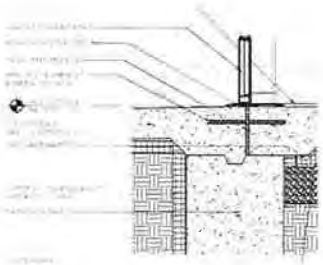
B2 TERRACE RETAINING WALL DETAIL



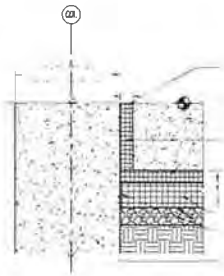
B5 SUN SHADE DETAIL



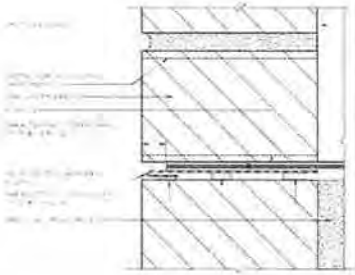
A2 TYPICAL BRICK SHELF



A3 DETAIL @ DOOR



A4 FOUNDATION / SLAB RIGID INSULATION



A5 TYPICAL THRU WALL FLASHING

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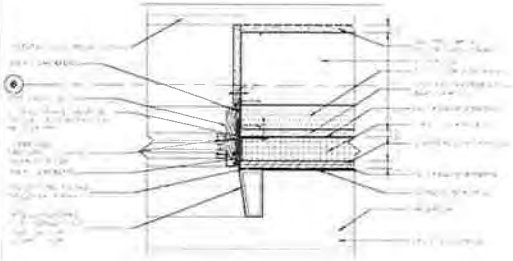
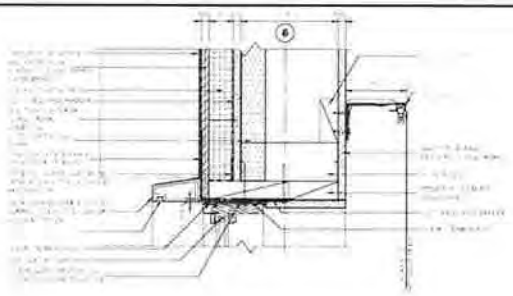
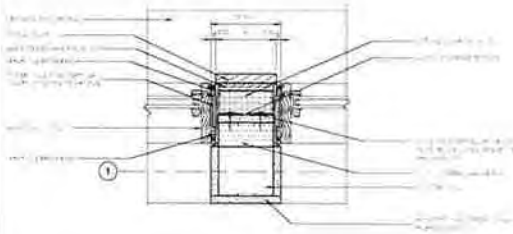


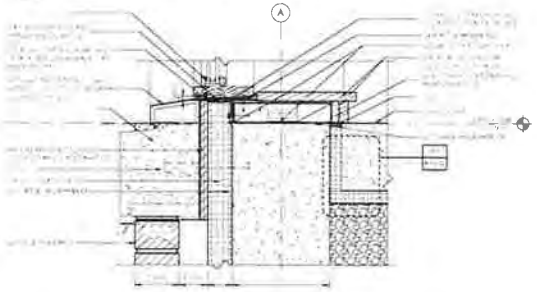
D1 JAMB DETAIL AT NEW ADDITION SOUTH AND WEST WINDOWS



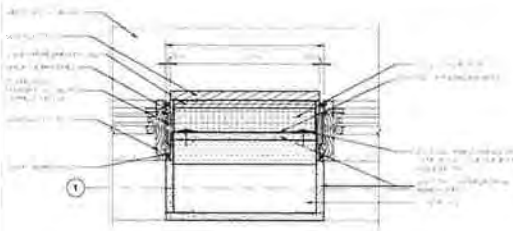
D2 HEAD DETAIL AT NEW ADDITION SOUTH AND WEST WINDOWS



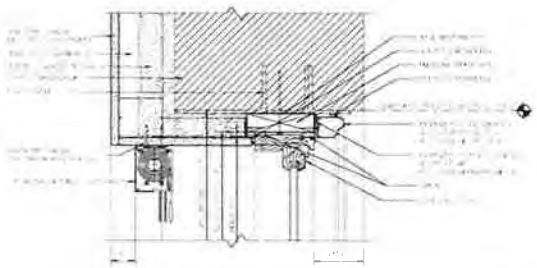
C1 JAMB DETAIL AT TOWER WINDOWS



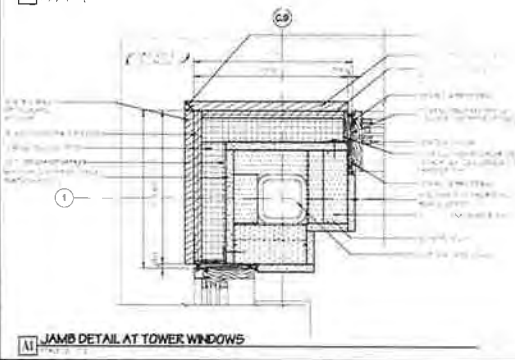
C2 SILL DETAIL AT NEW ADDITION SOUTH AND WEST WINDOWS



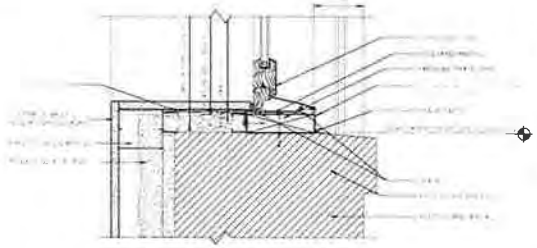
B1 JAMB DETAIL AT TOWER WINDOWS



B2 TYPICAL WINDOW HEAD DETAIL AT EXISTING MASONRY WALL



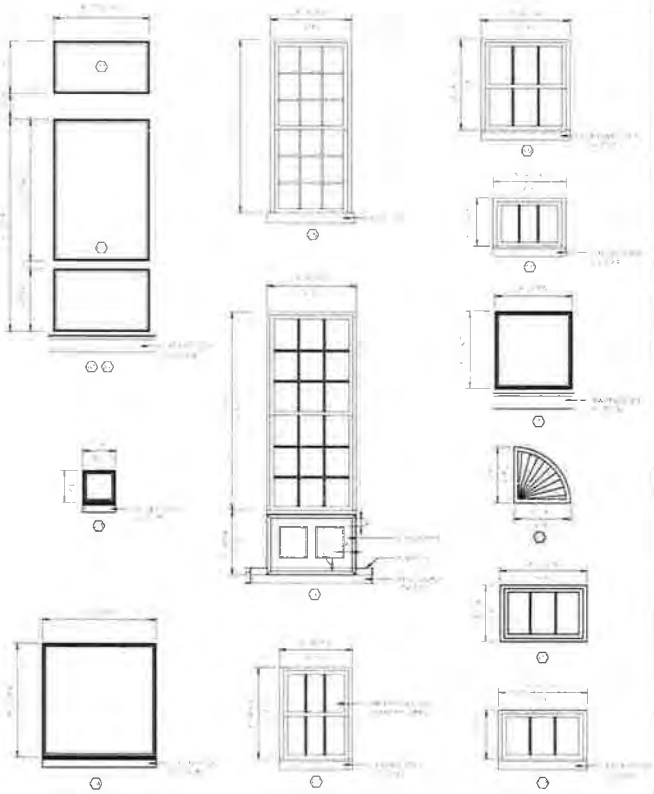
A1 JAMB DETAIL AT TOWER WINDOWS



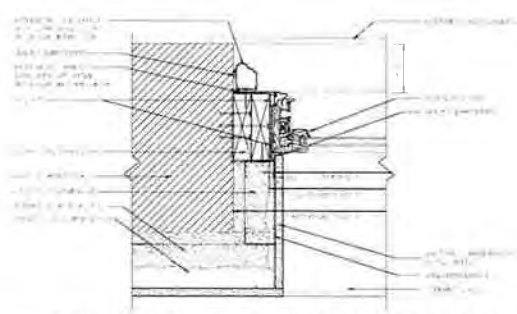
A2 SILL DETAIL AT EXISTING BUILDING FIRST FLOOR NORTH AND SOUTH WINDOWS

WINDOW SCHEDULE

| TYPE | WINDOW OPENING WIDTH | WINDOW OPENING HEIGHT | HEAD DETAIL | JAMB DETAIL | SILL DETAIL | COMMENTS |
|---|---|---|---|---|---|---|
| W1 | 3'-11 1/2" | 2'-10 7/8" AND 5'-10 3/8" | [illegible] | [illegible] | [illegible] | FIXED |
| W2 | 3'-11 1/2" | 2'-2" | [illegible] | [illegible] | [illegible] | FIXED |
| W3 | 1'-4" | 1'-4" | [illegible] | [illegible] | [illegible] | FIXED |
| W4 | 4'-8" | 4'-8" | [illegible] | [illegible] | [illegible] | FIXED |
| W5 | 3'-4" | 7'-2" | [illegible] | [illegible] | [illegible] | SIMULATED HUNG |
| W6 | 3'-8" | 8'-2" | [illegible] | [illegible] | [illegible] | SIMULATED HUNG |
| W7 | 3'-0" | 3'-8" | [illegible] | [illegible] | [illegible] | SIMULATED HUNG |
| W8 | 3'-8" | 3'-8" | [illegible] | [illegible] | [illegible] | SIMULATED HUNG |
| W9 | 3'-0" | 2'-0" | [illegible] | [illegible] | [illegible] | FIXED |
| W10 | 3'-0" | 2'-0" | [illegible] | [illegible] | [illegible] | FIXED |
| W11 | 2'-4" | 2'-4" | [illegible] | [illegible] | [illegible] | QUARTER-ROUND SUMMER BY TYPE TO MATCH EXISTING |
| W12 | 2'-8" | 3'-0" | [illegible] | [illegible] | [illegible] | FIXED TRANSOM |
| W13 | 3'-8" | 2'-0" | [illegible] | [illegible] | [illegible] | FIXED TRANSOM |



EXTERIOR WINDOWS ELEVATIONS



A3 TYP. SIMULATED DOUBLE-HUNG WINDOW JAMB DETAIL AT EXISTING MASONRY WALL

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WINDOW SCHEDULE ELEVATIONS AND DETAILS

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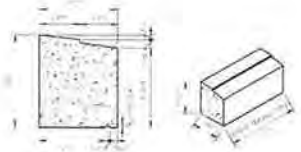
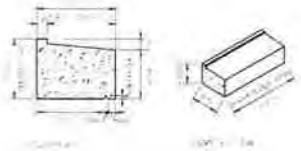
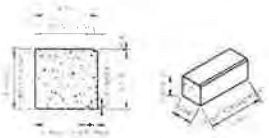


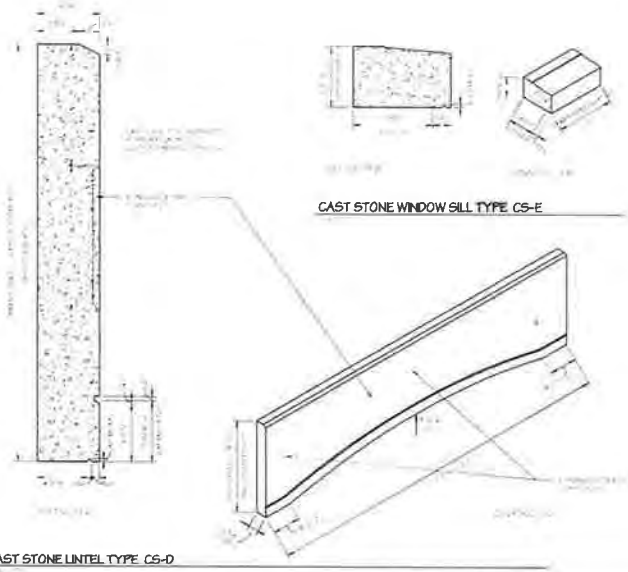
CAST STONE WINDOW SILL TYPE CS-A



CAST STONE WINDOW SILL TYPE CS-B



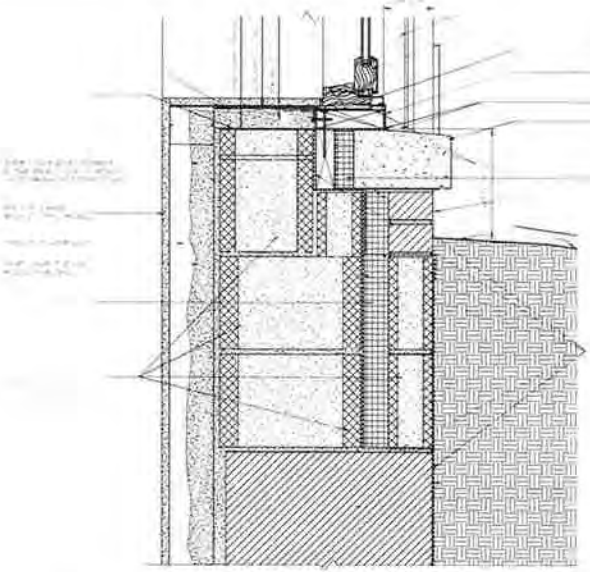
CAST STONE BANDING TYPE CS-C



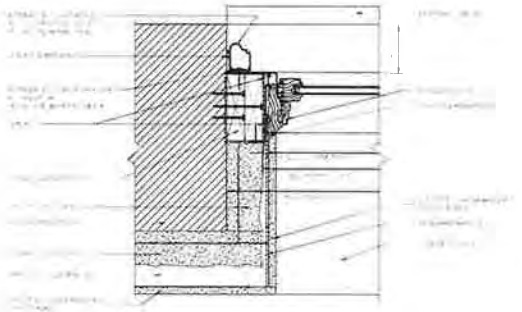
CAST STONE LINTEL TYPE CS-D



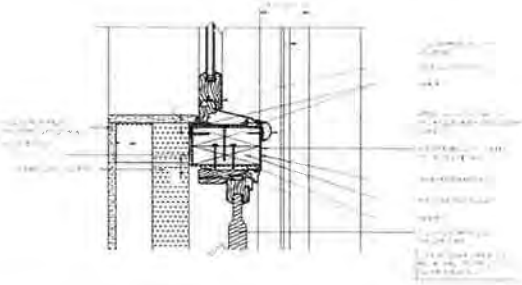
CAST STONE WINDOW SILL TYPE CS-E



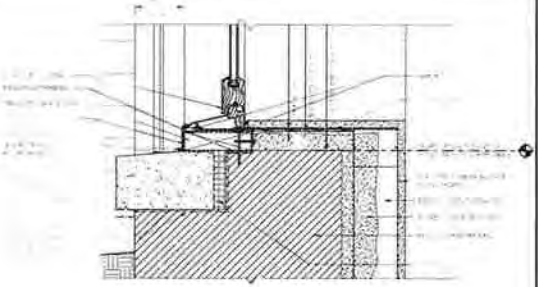
C1 TYP. SILL DETAIL AT FIXED BASEMENT WINDOWS



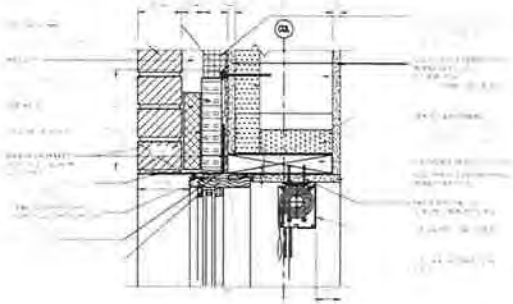
B2 TYPICAL FIXED WINDOW JAMB DETAIL AT EXISTING MASONRY WALL



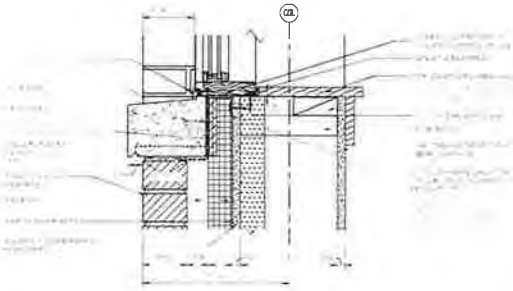
A2 SILL DETAIL AT FIRST FLOOR FRONT WINDOWS



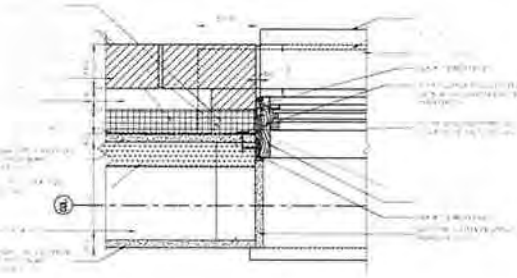
D3 TYP. SILL DETAIL AT SIMULATED DOUBLE-HUNG BASEMENT WINDOWS



C3 HEAD DETAIL AT COMMUNITY LEVEL MEETING ROOM WINDOWS



B3 SILL DETAIL AT COMMUNITY LEVEL MEETING ROOM WINDOWS



A3 JAMB DETAIL AT COMMUNITY LEVEL MEETING ROOM WINDOWS

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WINDOW AND DOOR SILL TYPE DETAILS

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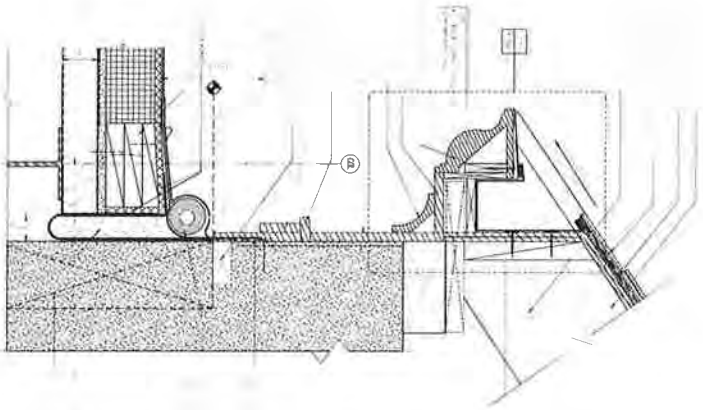
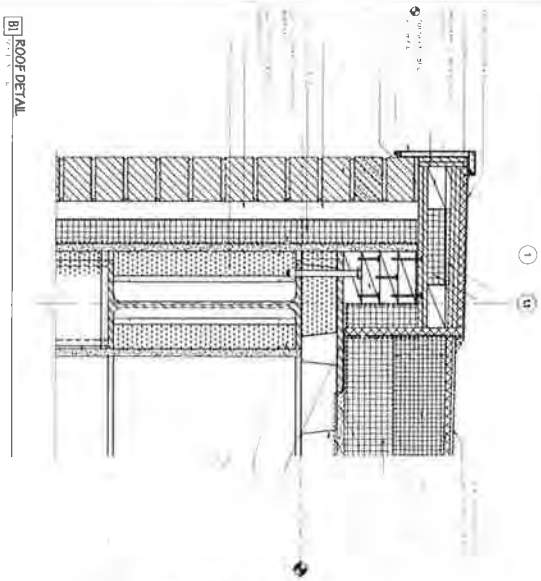
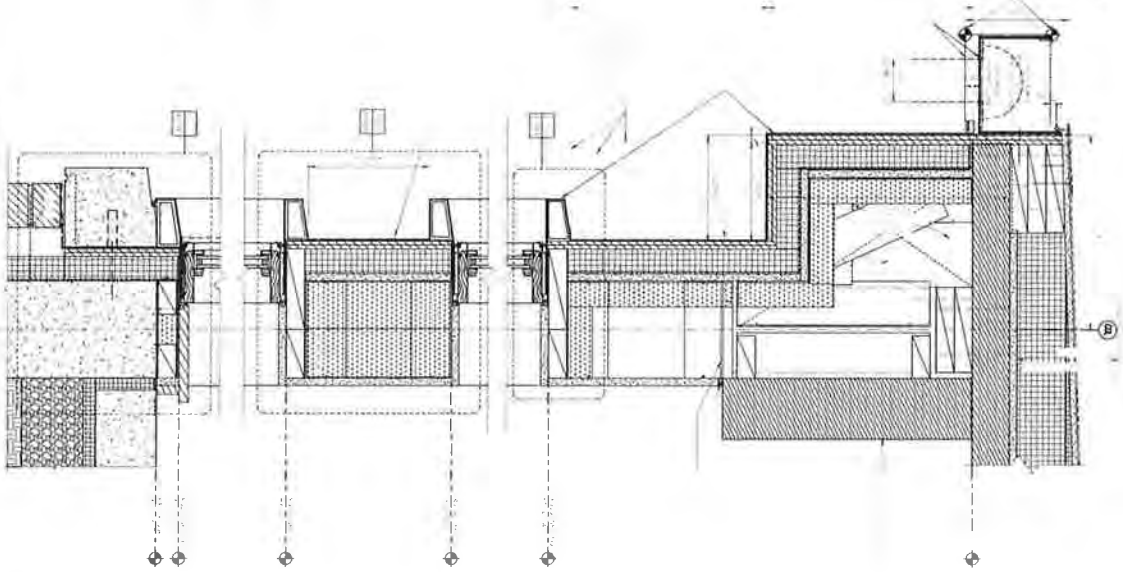
1 ROOF DETAIL



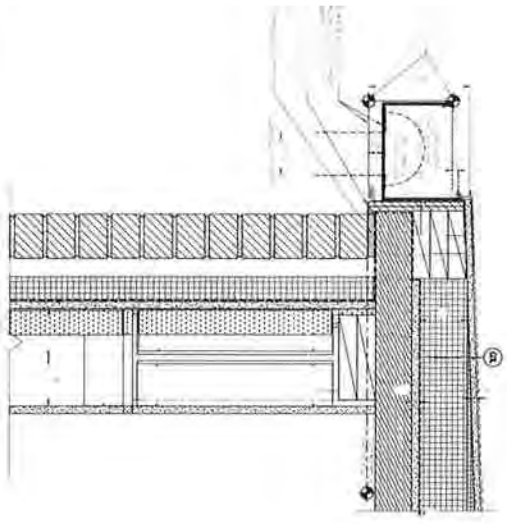
2 ROOF DETAIL



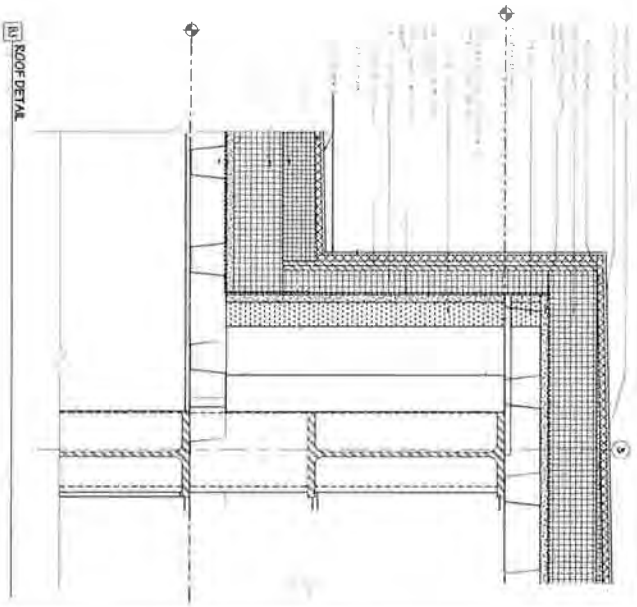
3 ROOF DETAIL



4 ROOF DETAIL



5 ROOF DETAIL



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NEWFIELD LIBRARY RENOVATIONS
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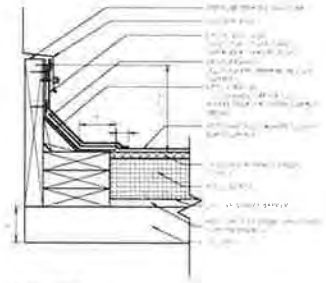
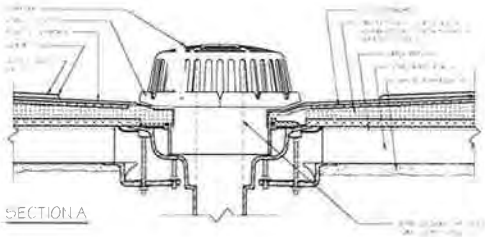
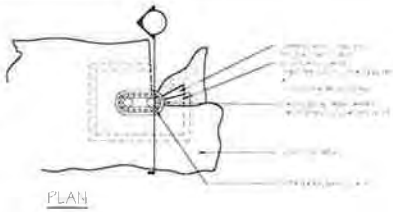
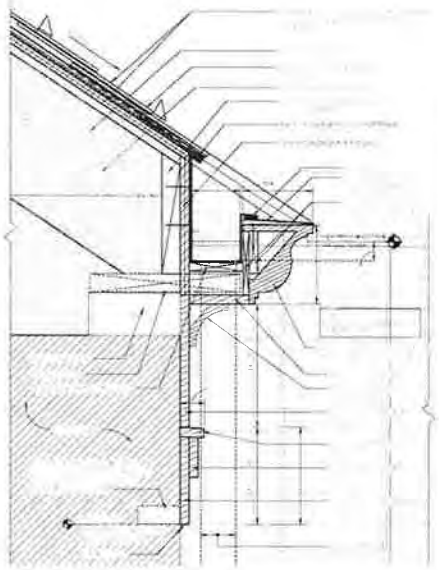


D1 ROOF DETAIL

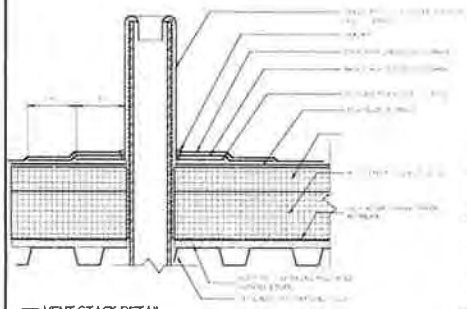


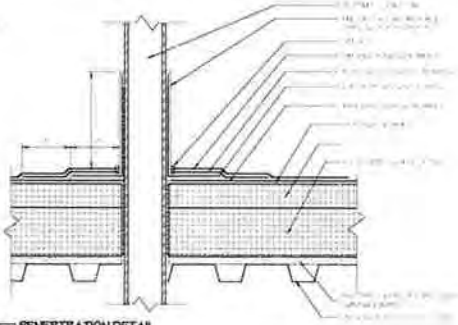

D2 ROOF DETAIL



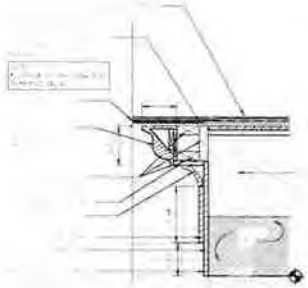
C4 EAST EAVE DETAIL @ EXISTING



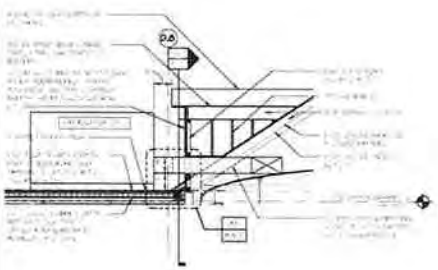
C1 VENT STACK DETAIL



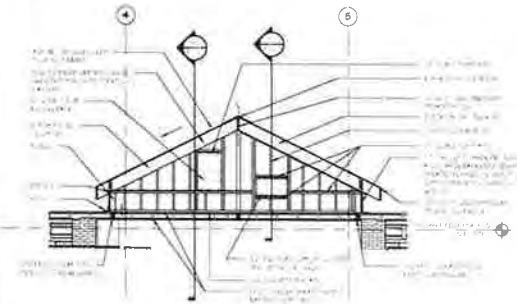
C2 PENETRATION DETAIL



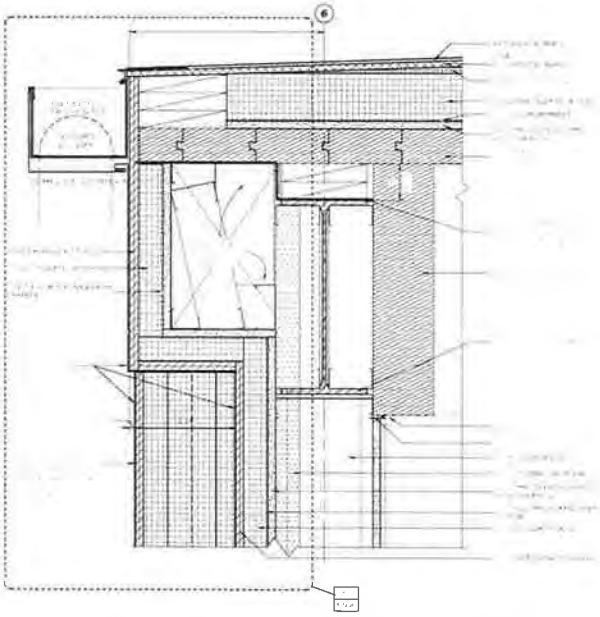
C3 RAKE DETAIL @ EXISTING



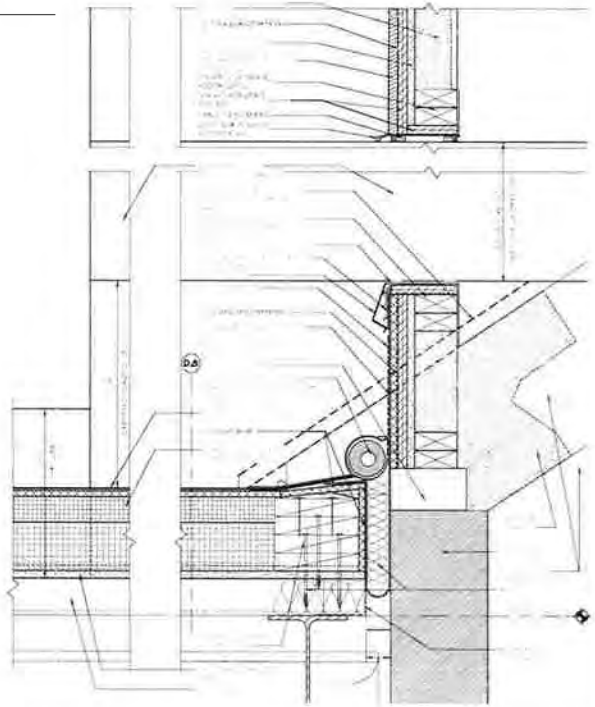
B1 SECTION @ DOGHOUSE



A1 FRAMING DETAIL @ GABLED DOG HOUSE



A2 ROOF DETAIL



A3 SECTION @ DOGHOUSE

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ROOF DETAILS

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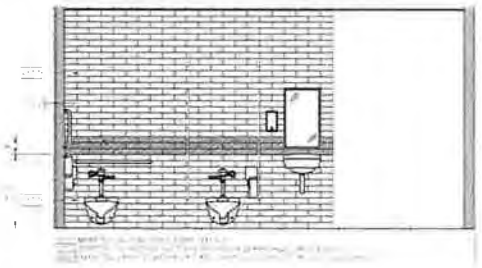
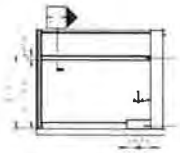
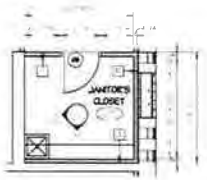


C1 TYPICAL WET WALL TILES LAYOUT AT COMMUNITY LEVEL TOILETS

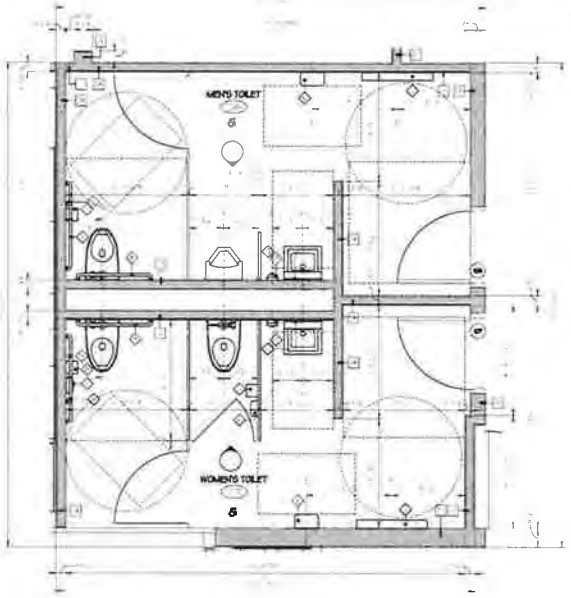
B1 TYPICAL WET WALL TILES LAYOUT AT SINGLE TOILETS



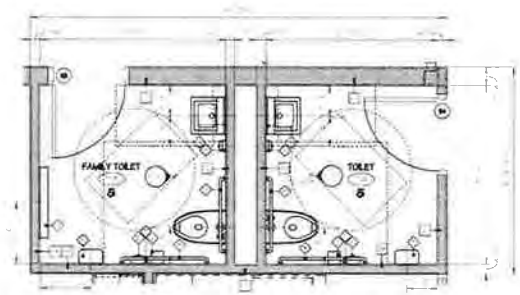
A1 JANITOR CLOSET ELEVATION



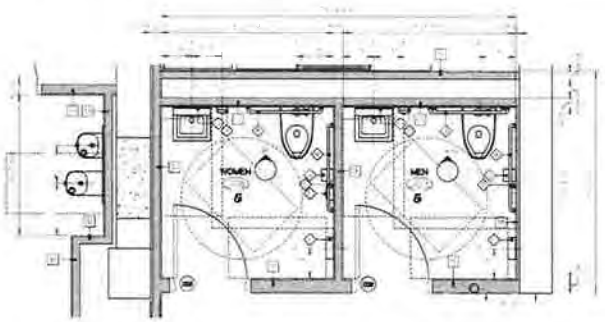

A2 JANITOR CLOSET




C3 MEN'S AND WOMEN'S TOILET ROOMS




B3 FAMILY AND UNISEX TOILET ROOMS




A3 STAFF TOILET ROOMS

## GENERAL BATHROOM NOTES

NOTE: THE FOLLOWING NOTES APPLY TO ALL AREAS OF REQUIRED WORK.

1. REFER TO INFO-2 FOR ALL MOUNTING HEIGHTS FOR HANDICAPPED ACCESSIBLE FIXTURES AND TYPICAL DIMENSIONS AT ACCESSIBLE TOILETS.
2. PROVIDE BLOCKING AS REQUIRED PER TYPICAL MOUNTING HEIGHTS AT METAL STUD PARTITIONS.
3. SEE SPECIFICATION SECTION 102800, TOILET, BATH AND LAUNDRY ACCESSORIES FOR ADDITIONAL INFORMATION.
4. REFER TO FINISH PLANS FOR WALL TILE FINISHES IN TOILETS.
5. HOOKS SHALL BE PROVIDED AT STALL DOORS.

## ACCESSORY LEGEND

A 1 1/2" DIA. STAINLESS STEEL GRAB BAR - 36" LONG
B 1 1/2" DIA. STAINLESS STEEL GRAB BAR - 42" LONG
C 1 1/2" DIA. STAINLESS STEEL GRAB BAR - 18" LONG
D SURFACE MOUNTED, MULTI ROLL TOILET PAPER DISPENSER - BOBRICK - B-2888
E SURFACE MOUNTED SANITARY NAPKIN DISPOSAL UNIT - BOBRICK - B-270
F SURFACE MOUNTED PAPER TOWEL DISPENSER
G 18" x 30" STAINLESS STEEL FRAMED MIRROR
H SURFACE MOUNTED SOAP DISPENSER BY CONTRACTOR
J HORIZONTAL WALL MOUNTED STAINLESS STEEL FINISH BABY CHANGING STATION
K AUTOMATIC SENSOR HAND DRYER. SEE ELEC. DWGS.

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# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

Assessed AM

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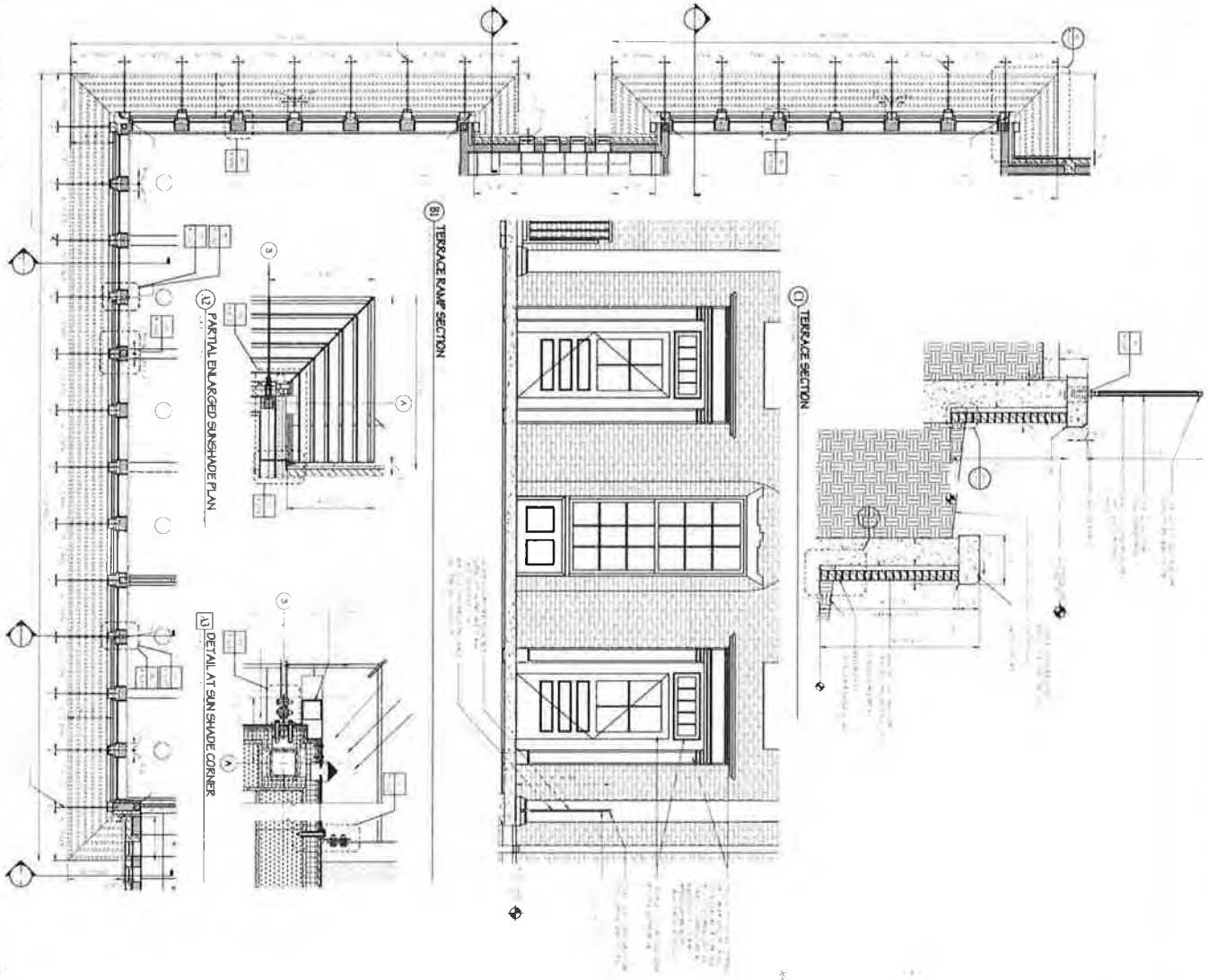


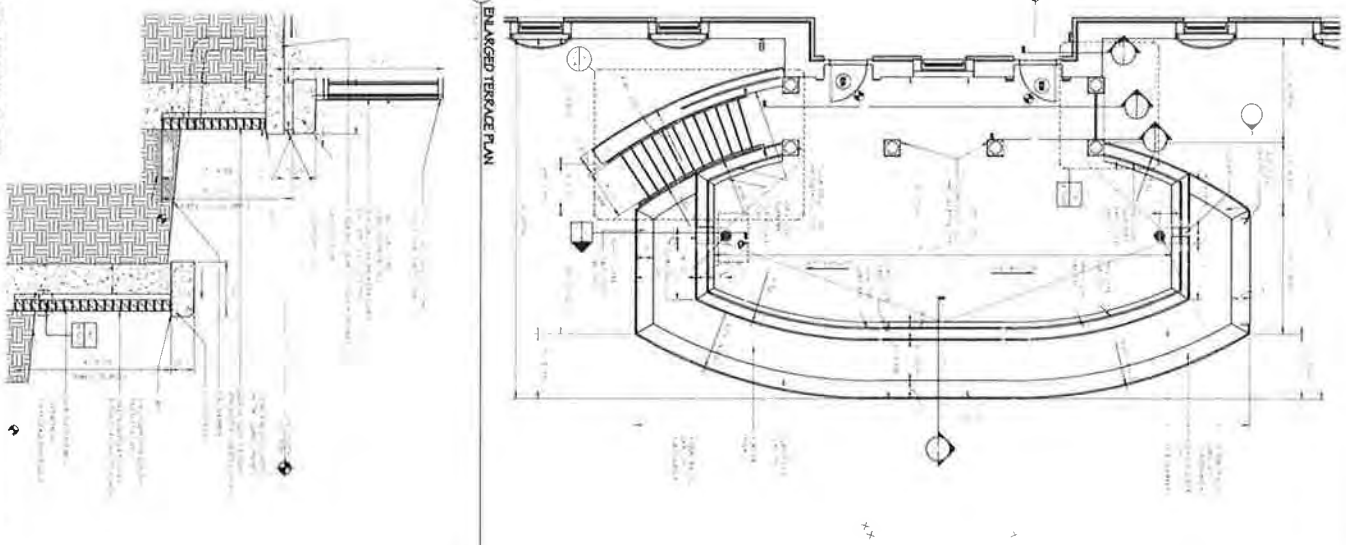


# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

A-620

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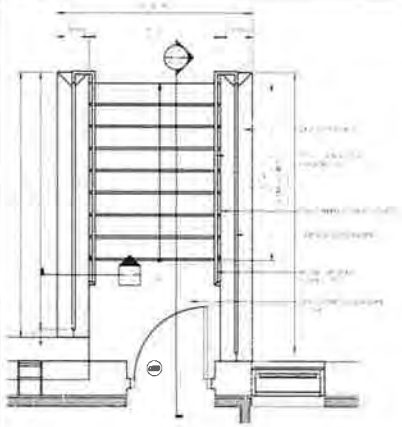
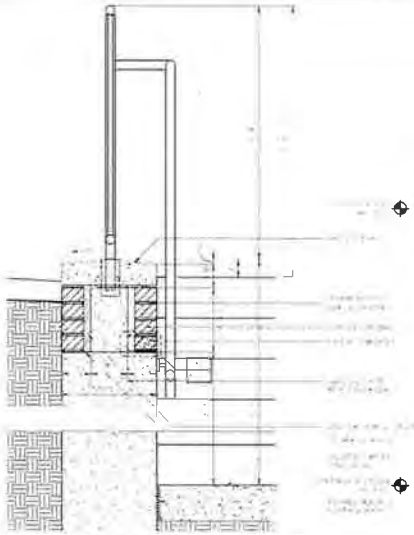
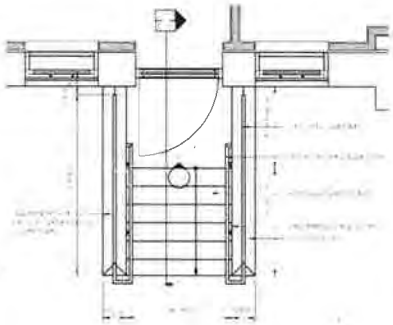


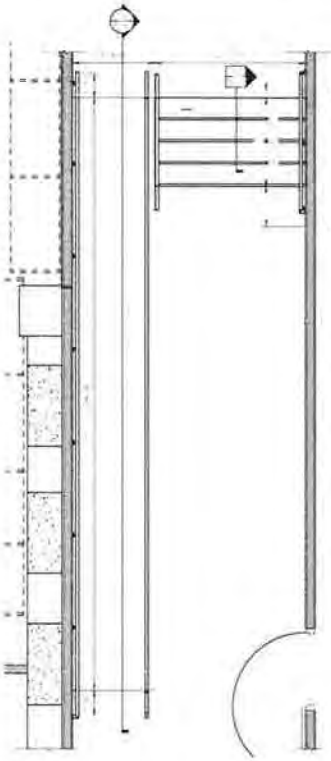
C1 BASEMENT NORTH STAIR PLAN



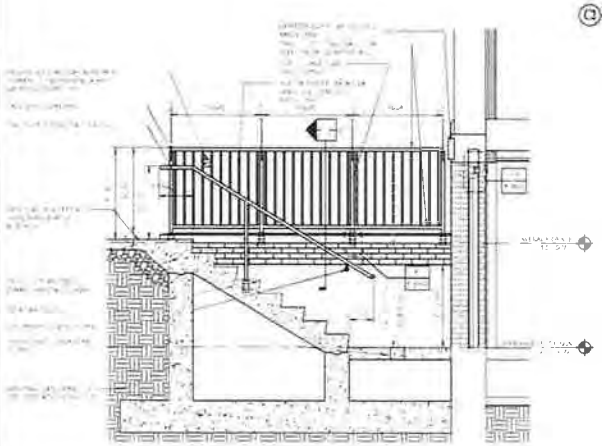
C2 NORTH STAIR RETAINING WALL



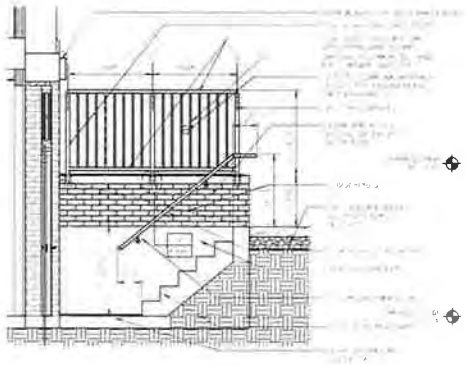
C3 LOWER BASEMENT STAIR PLAN



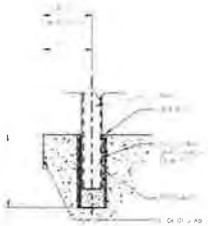
C4 BASEMENT CORRIDOR STAIR AND RAMP PLAN



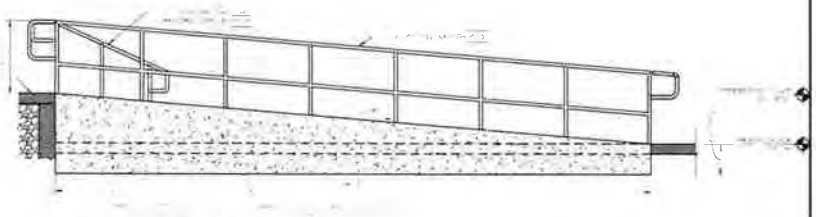
B1 BASEMENT NORTH STAIR SECTION



B2 LOWER BASEMENT SOUTH STAIR SECTION



A1 TYPICAL SLEEVE DETAIL



A4 BASEMENT CORRIDOR RAMP SECTION

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BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ENLARGED STAIR PLANS SECTIONS AND DETAILS

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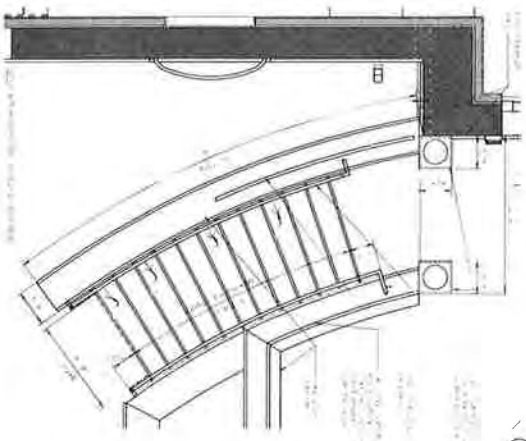
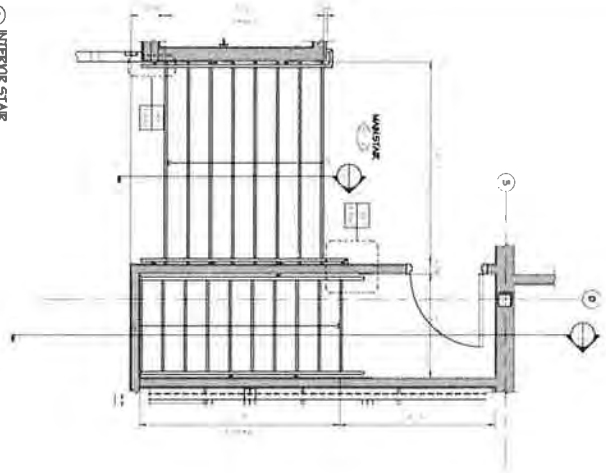
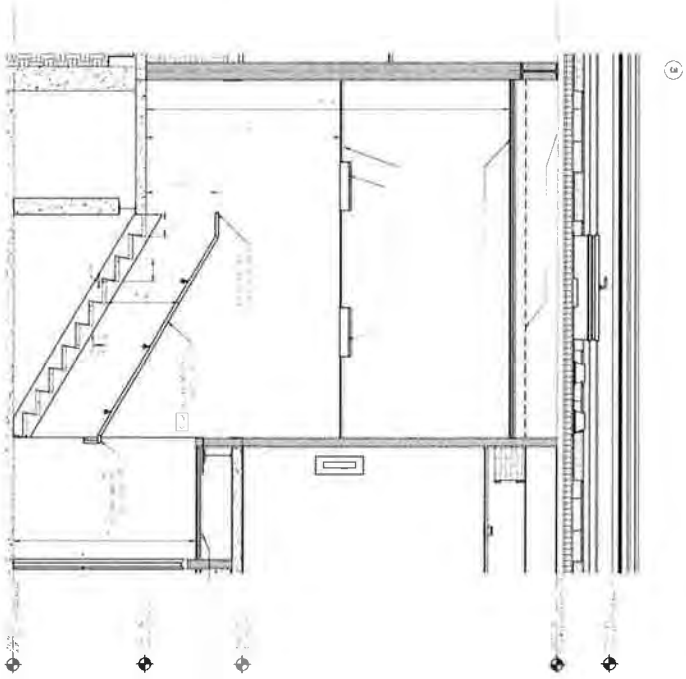


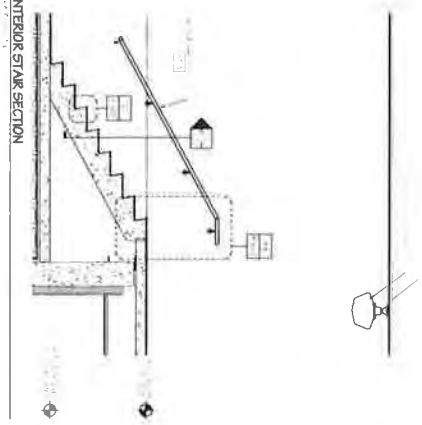
1 SOUTH TERRACE STAIR ENLARGED PLAN




2 INTERIOR STAIR



3 INTERIOR STAIR SECTION



3 INTERIOR STAIR SECTION

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

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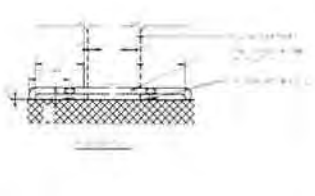
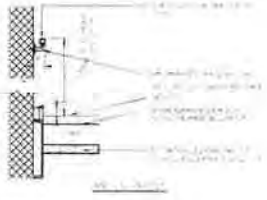
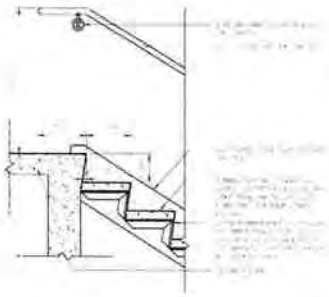


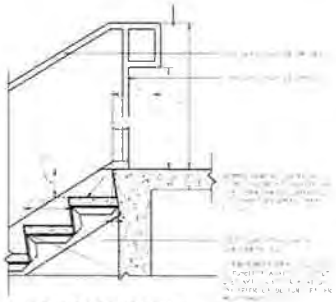
B3 TYP. WALL MOUNTED HANDRAIL



B5 TYPICAL SLEEVE DETAIL



A3 TOP OF STAIR WALL MTD. HANDRAIL DETAIL



A4 TYP. TOP OF STAIR DETAIL

A5 TYP. BOTTOM OF STAIR DETAIL

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BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
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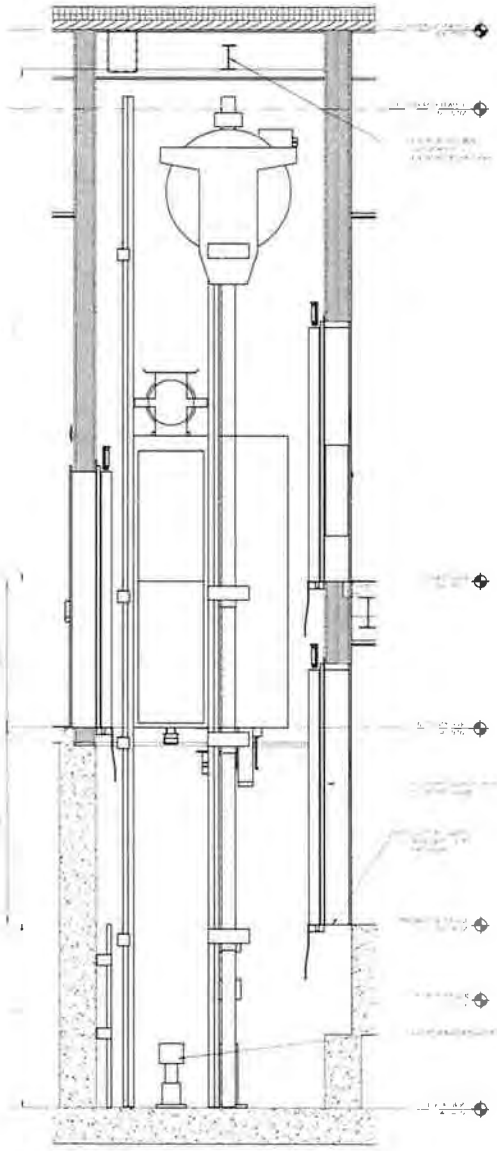
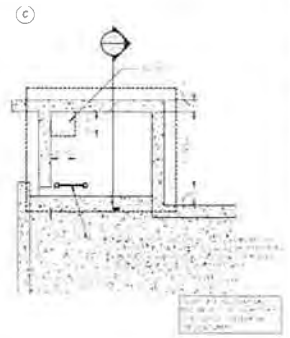
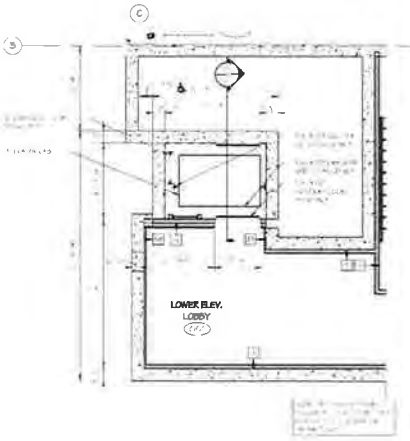


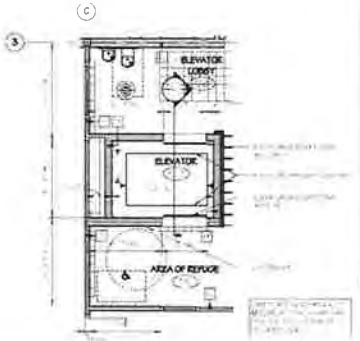
A3 ELEVATOR SECTION



C1 ELEVATOR PIT




B5 ENLARGED ELEVATOR PLAN - BASEMENT




A5 ENLARGED ELEVATOR PLAN - FIRST FLOOR

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BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
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BRIDGEPORT, CONNECTICUT

ELEVATOR PLANS, SECTION AND DETAILS

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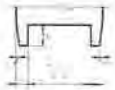
D3 MCM PANEL "A" PROFILE

D2 MCM PANEL "B" PROFILE

D1 MCM PANEL "C" PROFILE

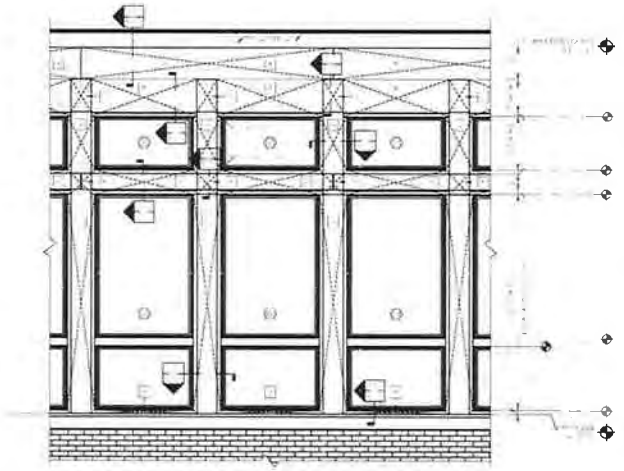


C3 MCM PANEL "D" AND "G" PROFILES

C2 MCM PANEL "E" PROFILE

C1 MCM PANEL "F" PROFILE

B3 MCM PANEL "H" PROFILE



A3 ELEVATION DETAIL - COMPOSITE METAL PANEL PROPOSED JOINT PATTERN

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BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
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755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

PATTERN AND DETAILS

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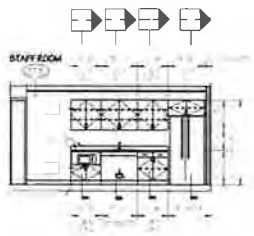
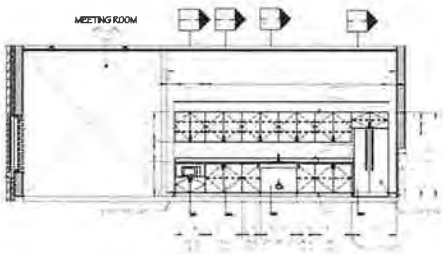



D1 INTERIOR ELEVATION

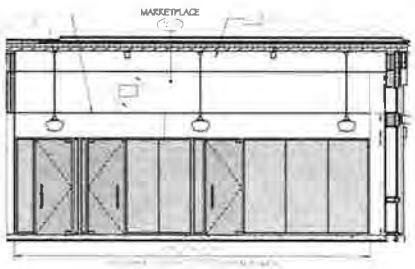



D2 INTERIOR ELEVATION

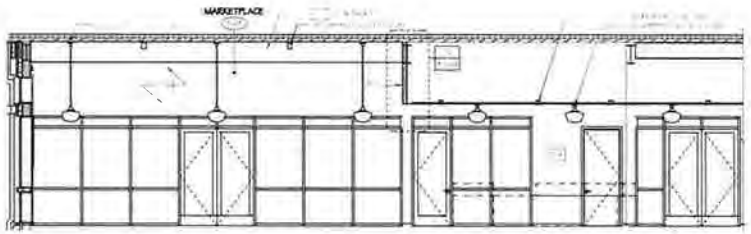
D3 INTERIOR ELEVATION

D4 INTERIOR ELEVATION

D5 INTERIOR ELEVATION




C1 INTERIOR ELEVATION

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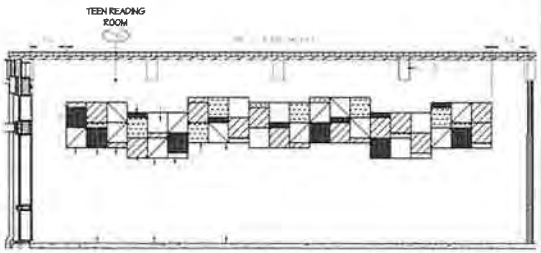
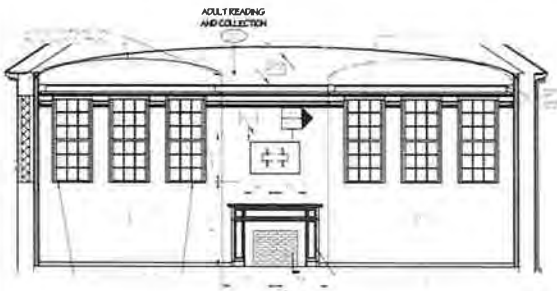
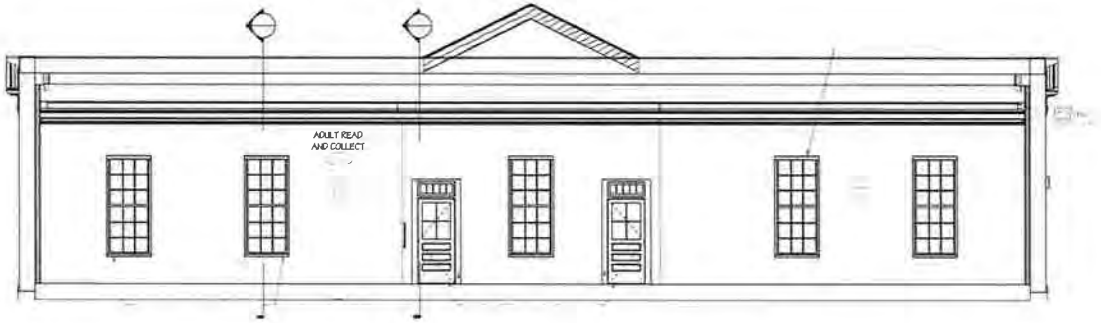



C3 INTERIOR ELEVATION




B1 INTERIOR ELEVATION

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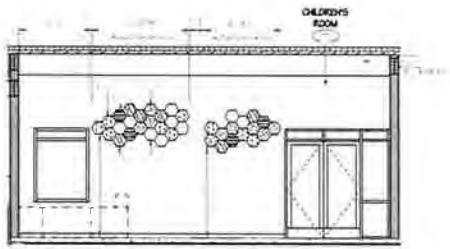
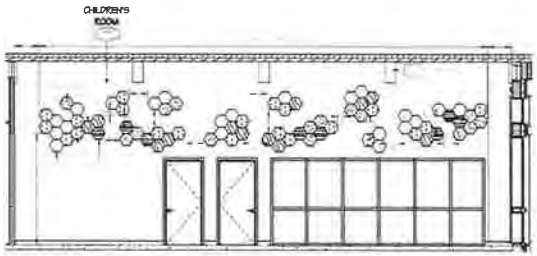
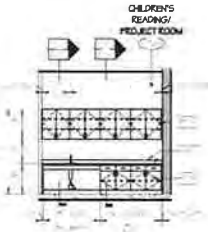


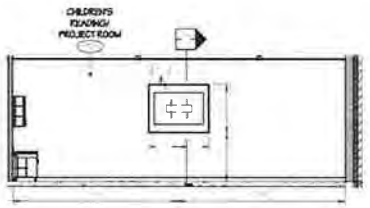

A1 INTERIOR ELEVATION




A2 INTERIOR ELEVATION




A3 INTERIOR ELEVATION




A4 INTERIOR ELEVATION

ANTINOZZI ASSOCIATES

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

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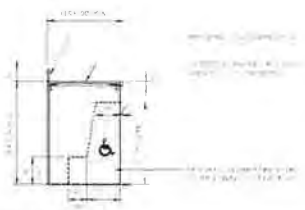
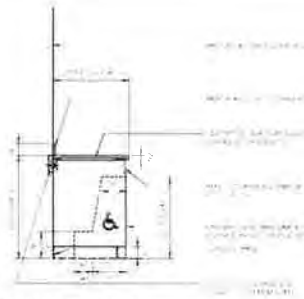
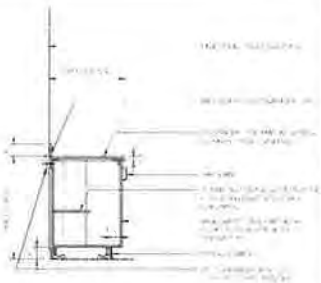


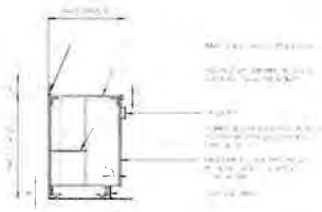
B3 FREESTANDING COUNTER



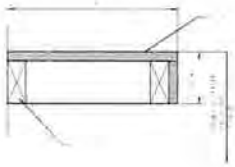
B4 ACCESSIBLE COUNTER



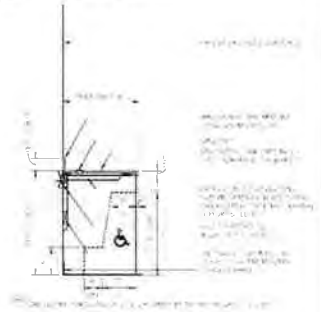
B5 TYPICAL DOOR CABINET



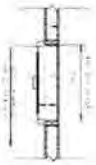
C3 FREESTANDING DOOR CABINET



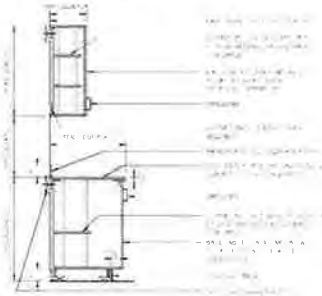
C4 JANITOR CLOSET SHELF



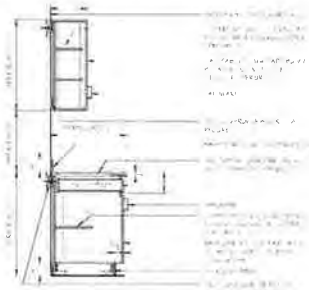
C5 TYPICAL ACCESSIBLE WORKSURFACE



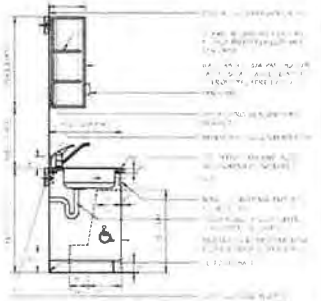
B2 SEMI-RECESSED FIRE EXTINGUISHER CABINET



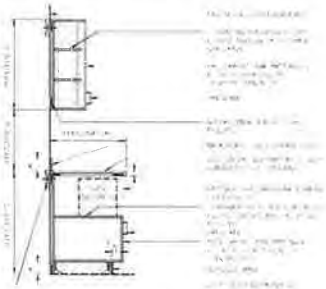
B3 TYPICAL DOOR CABINET



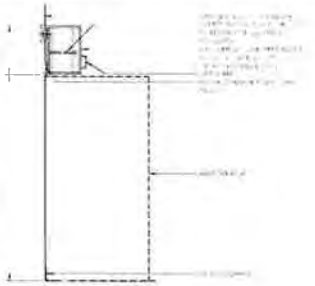
B4 TYPICAL CABINET W/ DRAWER



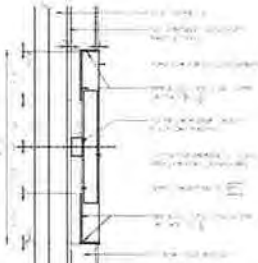
B5 ACCESSIBLE COUNTER @ SINK



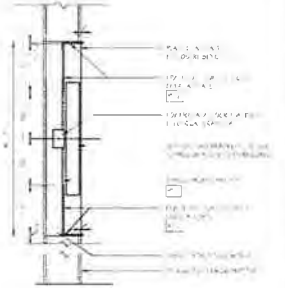
A2 CABINET @ MICROWAVE SHELF



A3 WALL CABINET @ REFRIGERATOR



A4 SECTION @ TV ENCLOSURE



A5 SECTION @ TV ENCLOSURE

ANTINOZZI ASSOCIATES
ARCHITECTURE + INTERIORS

REVISIONS
NO. DATE DESCRIPTION

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

MILLWORK SECTIONS AND DETAILS

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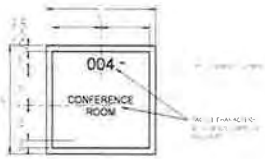
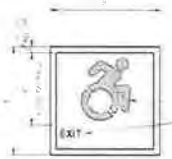



SIGN TYPE 'A' SERIES

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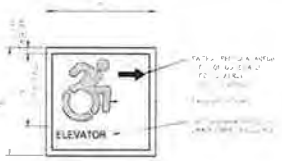


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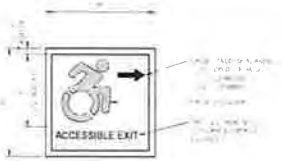


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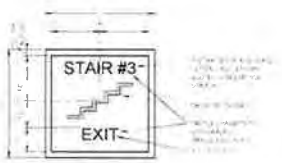


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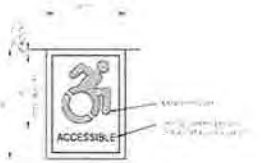


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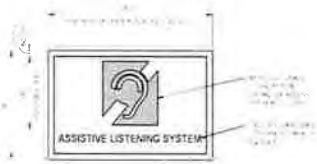


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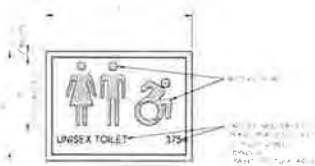


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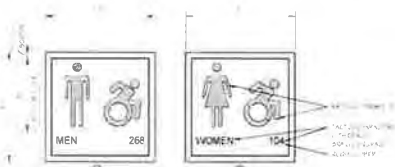


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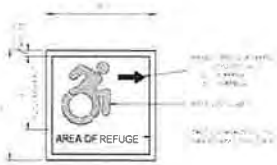
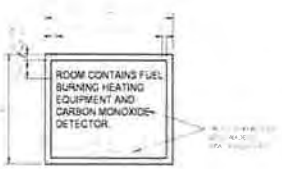



SIGN TYPE 'L' SERIES

SIGN TYPE 'M'

SIGN TYPE 'N'

SIGN TYPE 'P'




SIGN TYPE 'Q'

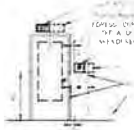
SIGN TYPE 'K'

TYPICAL A.O.R. SIGN LOCATIONS

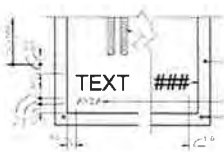
GENERAL SIGNAGE NOTES:

RAISED TACTILE CHARACTERS:

VISUAL CHARACTERS:



TYPICAL SIGN LOCATIONS AND NOTES




TYPICAL SIGN LAYOUT GUIDELINES

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

BRIDGEPORT LIBRARY
NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

INTERIOR SIGNAGE DETAILS

As indicated | MVL

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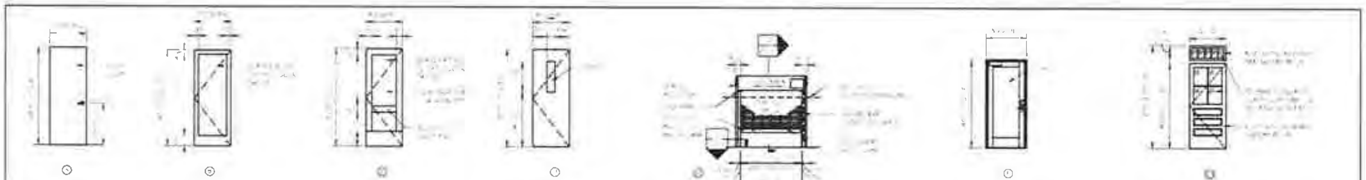
## DOOR SCHEDULE

| DOOR NO. | DOUBLE LEAF | WIDTH | HEIGHT | DOOR TYPE | DOOR MATERIAL | DOOR FINISH | FRAME TYPE | FRAME MATERIAL | FRAME FINISH | JAMB DETAIL | HEAD DETAIL | 45 Min | 60 Min | 90 Min | FIRE EXIT HARDWARE | PANIC RELEASE LATCH | POSITIVE LATCHING | AUTOMATIC CLOSER | HOLD OPEN | ASTRAGAL | LEVER HANDLES | PUSH/PULL HARDWARE | MAGNETIC CATCH | KICK PLATES | LOCKSET | MAGNETIC LOCK | ACCESS THRESHOLD | SIGN TYPE | SIGN DESIGNATION | HARDWARE SET NO. | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

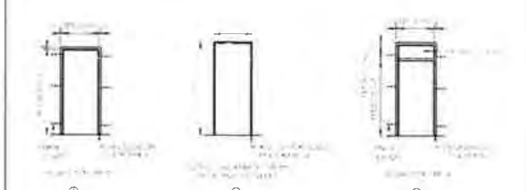
## GENERAL DOOR AND HARDWARE NOTES

## DOOR ABBREVIATIONS



NOTE: ALL GLASS IN DOORS TO BE TEMPERED

DOOR TYPES



FRAME TYPES

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

DOOR SCHEDULE, DOOR AND FRAME TYPES

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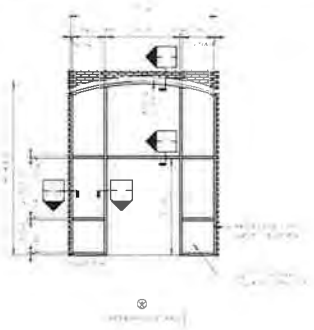
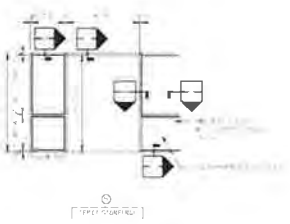
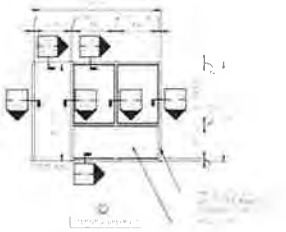
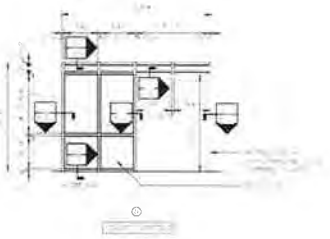
12 JANUARY 2018

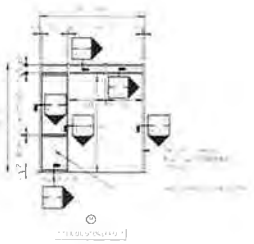
ANTINOZZI ASSOCIATES

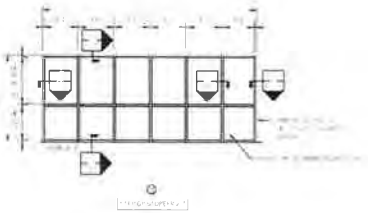


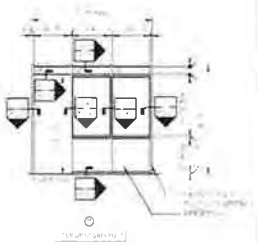


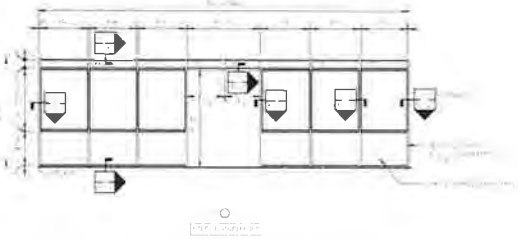












**STOREFRONT NOTES**

ANTINOZZI ASSOCIATES

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS
/ ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

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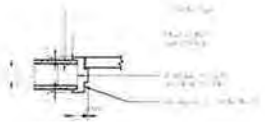
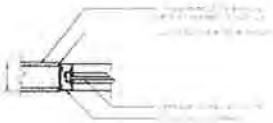


J1 JAMB DETAIL - TYPICAL

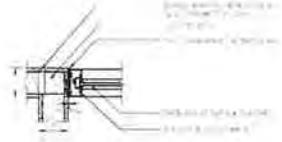


J2 JAMB DETAIL

J3 JAMB DETAIL

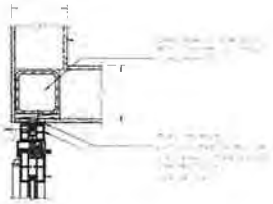
J4 JAMB DETAIL

J5 JAMB DETAIL



J6 JAMB DETAIL

J7 JAMB DETAIL



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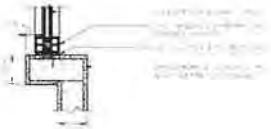
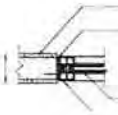
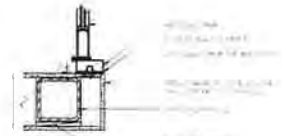


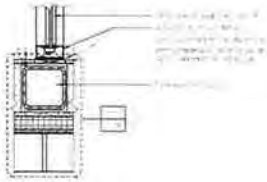
J9 JAMB DETAIL



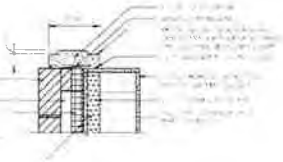
J10 JAMB DETAIL



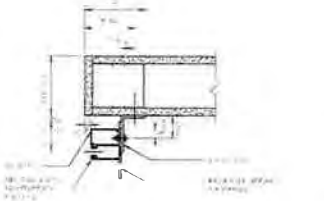
J11 JAMB DETAIL



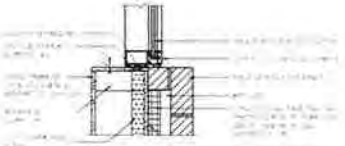
J12 JAMB DETAIL



J13 JAMB DETAIL

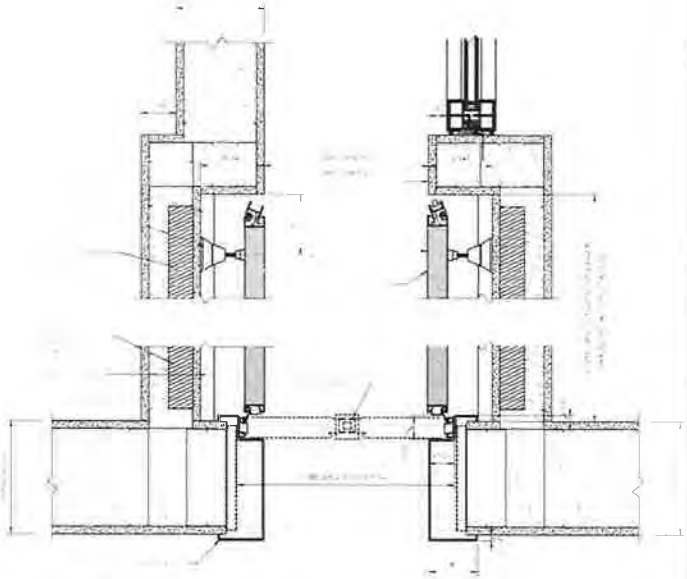


J15 JAMB DETAIL



J16 JAMB DETAIL

J17 JAMB DETAIL



J14 POCKET DOOR

ANTINOZZI ASSOCIATES

ARCHITECTURE INTERIORS

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS / ADDITION

755 CENTRAL AVENUE

BRIDGEPORT, CONNECTICUT

DOOR DETAILS

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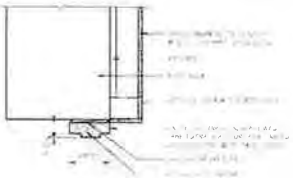
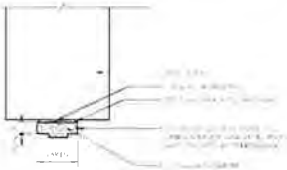
J18 JAMB DETAIL

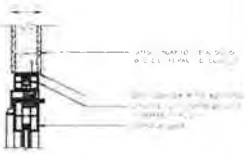


J19 JAMB DETAIL

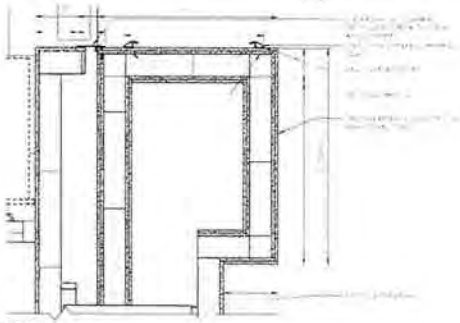


J20 JAMB DETAIL

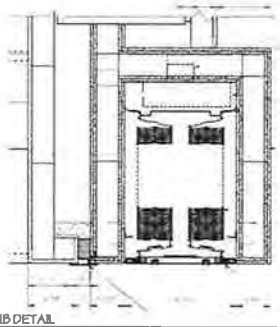
J21 JAMB DETAIL



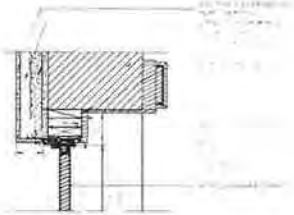
J22 JAMB DETAIL



J23 JAMB DETAIL



J24 JAMB DETAIL



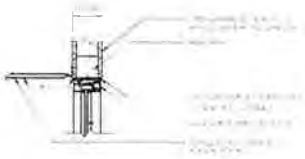
J25 JAMB DETAIL

H1 HEAD DETAIL - TYPICAL

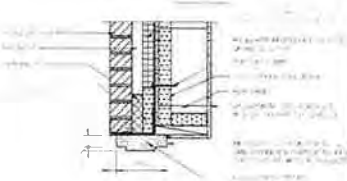
H2 HEAD DETAIL

H3 HEAD DETAIL

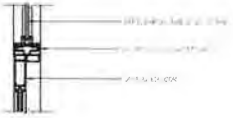
H4 HEAD DETAIL



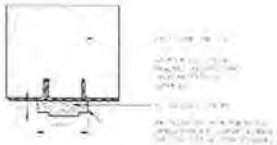
H5 HEAD DETAIL



H6 HEAD DETAIL

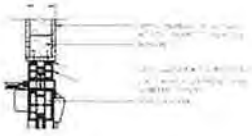


H7 HEAD DETAIL

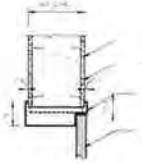


H8 HEAD DETAIL

H9 HEAD DETAIL



H10 HEAD DETAIL



H11 HEAD DETAIL

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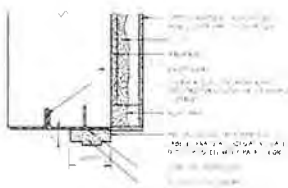
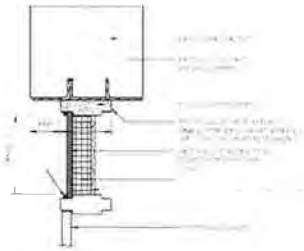
DOOR DETAILS

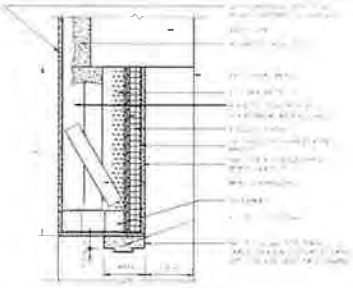
A-951



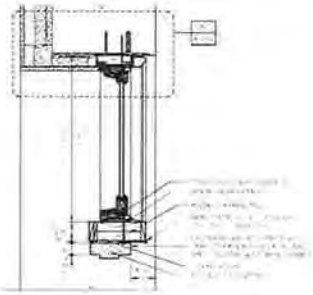
H12 HEAD DETAIL



H13 HEAD DETAIL



H14 HEAD DETAIL



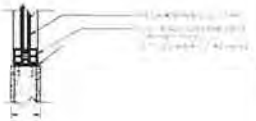
H15 HEAD DETAIL

H16 HEAD DETAIL

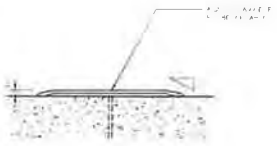
S1 SILL DETAIL

S2 SILL DETAIL

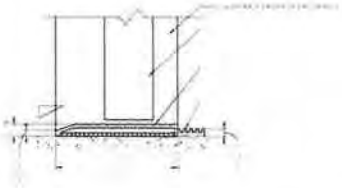
S3 SILL DETAIL



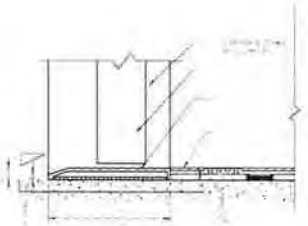
S4 SILL DETAIL



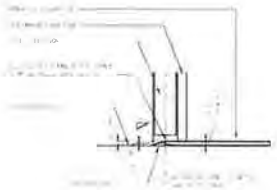
T1 THRESHOLD DETAIL - TYPICAL



T2 WALK-OFF MAT THRESHOLD DETAIL



T3 FOOT GRILLE THRESHOLD DETAIL



T4 PORCELAIN FLOOR THRESHOLD DETAIL

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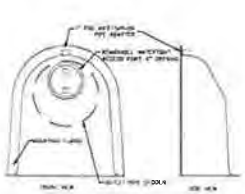
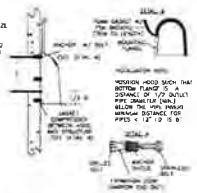
A-952



CONFIGURATION DETAIL

NOTES
1. ALL NEW CATCH BASINS SHALL BE PROVIDED WITH HOODS AND TRAPS AS MANUFACTURED BY BEST WASHDESIGN PRODUCTS INC (PHONE) (800) 434-0277 OR APPROVED EQUAL
2. ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH 30 GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125 LAMINATE THICKNESS.
3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT AS DRAWN (SEE CONFIGURATION DETAIL)
4. INV. SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION
5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES <12" I.D.
6. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3' AND A MAXIMUM OF 24' ACCORDING TO STRUCTURE CONFIGURATION.
7. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL
8. THE HOOD SHALL BE MECHANICLY ATTACHED TO STRUCTURE WALL WITH 3/8 STAINLESS STEEL BOLTS AND OIL RESISTANT GASKET AS SUPPLIED BY MANUFACTURER (SEE INSTALLATION DETAIL)
9. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT. INSTALLATION KIT SHALL INCLUDE:
   A. INSTALLATION INSTRUCTIONS
   B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
   C. OIL-RESISTANT EXPANDED CELL FOAM GASKET WITH PSA BACKING
   D. 3/8 STAINLESS STEEL BOLTS
   E. ANCHOR SHIELDS

TYPICAL INSTALLATION

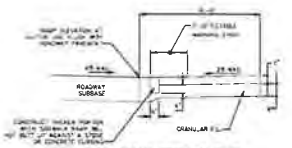


INSTALLATION DETAIL

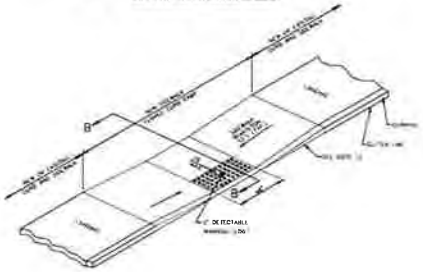
## HOODED OUTLET COVER DETAIL

GENERAL NOTES FOR SIDEWALK RAMPS

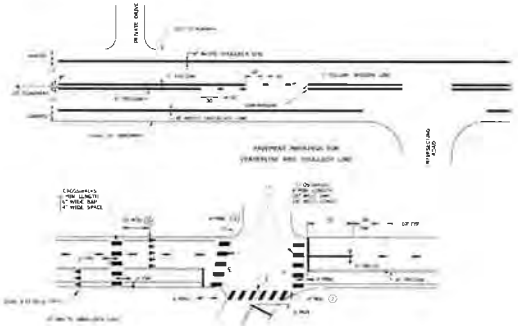
1. MAXIMUM SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE SIDEWALK RAMP OR ACCEPTABLE ALTERNATIVE SHOULD NOT EXCEED 5%.
2. CURB SHALL BE RAMPED TO FOLLOW CROSSING GRADE ON THE RAMP, FIELD OF LEAD AND SURFACE GRADE CHANGES.
3. ALL RAMPS SHALL BE CONSTRUCTED OF CLASS "C" CONCRETE IN ACCORDANCE WITH CONNECTICUT STANDARD SPECIFICATIONS, ARTICLE M.03.01.
4. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
5. DIAGONAL SIDEWALK RAMPS AT RADIUS CROSSWALK SHALL BE ideally CENTERED WITH THE MARKINGS, EXCLUDING ANY FLARED SIDES.
6. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP WILL ALSO REQUIRE REMOVAL OF THE ADJACENT EXPANSION/CONTRACTION JOINT OF SUBJECT JOINT TO ALLOW FOR NO ADDITIONAL DUE TO SIDEWALK SERVICE IN RELOCATION OF JOINT, A MINIMUM SET OF 10 FOR A PARALLEL RAMP SHALL BE USED. REMOVAL SHALL NOT BE FURTHER THAN 3' FROM THE PROPOSED RAMP UNLESS DIRECTED BY THE ENGINEER. SAW CUT REQUIRED FOR EXPANSION JOINTS SHALL BE INCLUDED IN THE COST OF "CONCRETE SIDEWALK".
7. EXPANSION JOINTS IN CONCRETE SHALL MATCH THOSE IN ADJACENT SIDEWALK BUT IN NO CASE SHALL THEY EXCEED ONE INCH. CONTRACTION JOINTS (SCORES "C" UNLESS OTHERWISE NOTED) SHALL BE AT LEAST 4' LONG BETWEEN THE RAMPS, IF THIS CAN NOT BE ACHIEVED THE JOINTS SHALL BE OMITTED.
8. RAMPS SLOPES IN RAMPED CROSSWALK SHALL HAVE SIDE WALL RAMPS AT BOTH SIDES AND 3' WIDE AT LEAST 4' LONG BETWEEN THE RAMPS, IF THIS CAN NOT BE ACHIEVED THE JOINTS SHALL BE OMITTED.
9. SIDEWALK RAMPS SHALL BE CONSTRUCTED AND PLACED FOR UNDER THE ITEM "CONCRETE SIDEWALK" INCLUDING FLARING WITH THE LIMITS OF THE NEW SIDEWALK RAMP AND DETECTABLE WARNING DEVICE.
10. CURBING WITHIN THE LIMITS OF THE NEW SIDEWALK RAMP SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE SECTIONS OF CONNECTICUT STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION (M.08.01-08.04). CURB CUTTING IS ACCEPTABLE CURBING IS CONSTRUCTED SEPARATELY. CURB CUTTING IS ACCEPTABLE CURBING IS CONSTRUCTED SEPARATELY.
11. MINIMUM WIDTH OF 4' IS DETERMINED MEASURED 12" FROM THE EDGE OF ROAD.
12. SIDEWALK RAMP SHALL BE CONSTRUCTED WITH A MAXIMUM SLOPE OF 8.33% IN THE DIRECTION OF TRAVEL.
13. TO THE EXTENT PRACTICAL, THE SIDEWALK RAMP SHALL BE CONSTRUCTED WITH A SLOPE NOT EXCEEDING 2% IN ANY DIRECTION.
14. THE DETECTABLE WARNING STRIP SHALL BE A TRUNCATED DOMING SURFACE 24" IN DIMENSION MEASURED BY MINIMUM 24" DEEP IN THE DIRECTION OF TRAVEL. SUCH TILE SHALL CONSIST OF TRUNCATED DOMES WITH A NOMINAL DIAMETER OF 0.9", A NOMINAL HEIGHT OF 0.2", AND A NOMINAL CENTER-TO-CENTER SPACING OF 2.35". THE COLOR SHALL CONTRAST WITH THE ADJACENT SURFACE, EITHER LIGHT ON DARK, OR DARK ON LIGHT. THE COLOR SHALL BE INTEGRAL TO THE MATERIAL AND NOT APPLIED TO THE SURFACE AFTER INSTALLATION. THE DETECTABLE WARNING SHALL BE INSTALLED USING MANUFACTURER'S RECOMMENDED PROCEDURES. THE DETECTABLE WARNING SHALL BE INSTALLED ACROSS THE FULL WIDTH OF THE RAMP, EXCLUDING FLARES, AND SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6" FROM THE BACK OF THE CURB. WHERE THE RAMP DOES NOT ABUT THE CURB, THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE ROADWAY IS 6" FROM THE EDGE OF THE ROADWAY.
15. THE BOTTOM OF THE RAMP SHALL NOT TIE OUTSIDE OF AN "AT THE CURB" RAMP.



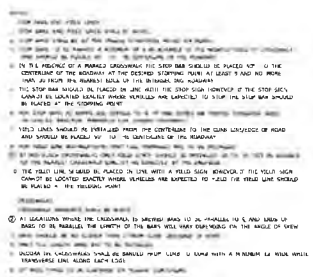
SIDEWALK SECTION B-B



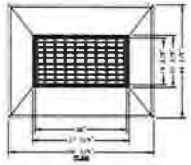
PARALLEL SIDEWALK RAMP (TYPE 1)



PAVEMENT MARKINGS FOR DRIVEWAYS AND CROSSWALKS



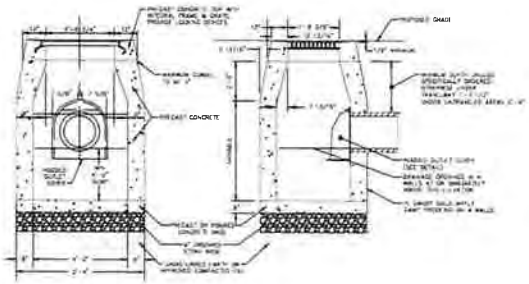
PAVEMENT MARKINGS



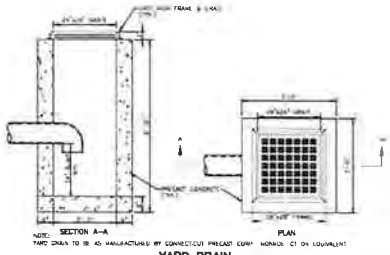
TYPICAL CATCH BASIN GRATE DETAIL TYPE "CL"
NOT TO SCALE

NO PARKING ANY TIME SIGN (L) OR (R)
NOT TO SCALE

SCHOOL CROSSING ASSEMBLY SIGNS S1-1 & W16-7P
NOT TO SCALE



TYPE "CL" CATCH BASIN
NOT TO SCALE



SECTION A-A PLAN

NOTE: YARD DRAIN TO BE AS MANUFACTURED BY CONNECTICUT PRECAST CORP. MONROE, CT OR EQUIVALENT

YARD DRAIN
NOT TO SCALE

(30 X 30)
R1-1

STOP SIGN
NOT TO SCALE

SCHOOL ADVANCE CROSSING ASSEMBLY SIGNS S1-1 & W16-9P
NOT TO SCALE

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PERFIRA ENGINEERING, LLC
CIVIL • Environmental • Land Surveying

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C-5

## GENERAL DEMOLITION NOTES

A. THESE NOTES ARE FOR BIDDING PURPOSES ONLY. CONTRACTOR TO BE RESPONSIBLE FOR REMOVING ALL QUANTITIES OF ALL ITEMS AS REQUIRED TO COMPLETE THIS PROJECT AS SHOWN ON THE CONSTRUCTION DOCUMENTS.

B. ALL CUTTING, PATCHING & EXCAVATION REQUIRED BY ALL TRADES FOR THIS PROJECT IN NEW AND EXISTING AREAS SHALL BE PERFORMED BY THE CONTRACTOR.

C. DISCONNECT OR DISABLE ALL AFFECTED UTILITIES PRIOR TO COMMENCING WORK. REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLISTION INFORMATION.

D. DISCONNECT AND REMOVE UTILITY METERS.

E. REMOVE MISC EQUIPMENT AND ASSOCIATED PIPING FROM BUILDING EXTERIOR.

F. ANY UNUSED ELECTRICAL, SECURITY, OR OTHER SUCH JUNCTION BOXES OR CONTROL PANELS SHALL BE REMOVED.

G. G.C. TO CONFIRM STAGING AREAS WITH OWNER TO MINIMIZE THE DISTURBANCE OF DAILY BUILDING OPERATIONS AND TO PROTECT EXISTING SITE ELEMENTS (PAVEMENT, SIDEWALKS, LANDSCAPING, ETC.) FROM DAMAGE.

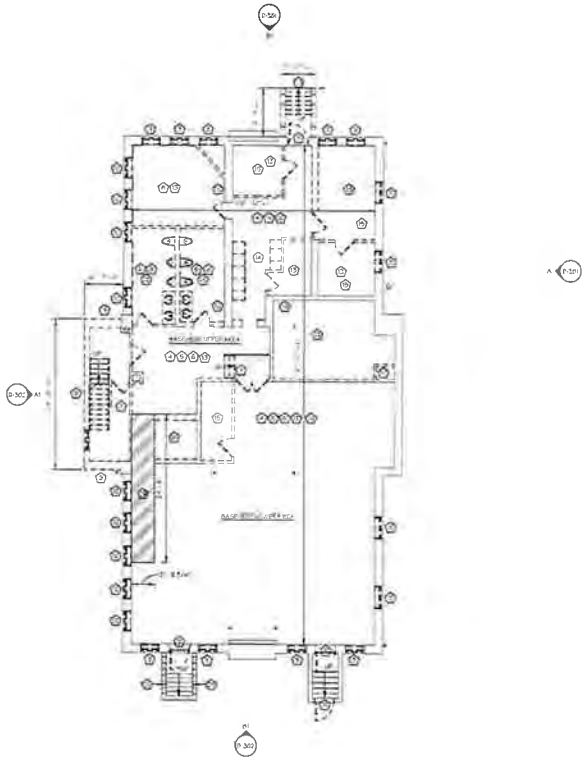
H. WHERE OCCURS, ALL CHAINLINK FENCING TO BE REMOVED IN ITS ENTIRETY. CONTRACTOR TO DETERMINE TRADE OF REMOVAL.

I. PRIOR TO START OF DEMOLITIONS, THE CONTRACTOR SHALL EVALUATE THE BRICK WALLS TO BE DEMOLISHED TO DETERMINE SALVAGEABLE BRICK. CONTRACTOR SHALL ESTIMATE THE AMOUNT OF MATERIAL REQUIRED FOR BRICK ESTABLISHED, AND REPAIR ACCROSS THE EXISTING FACADE WITH SALVAGED BRICK, AND PROVIDE CONTRACTOR, TO THE EXTENT POSSIBLE, MASONRY CONTRACTOR TO MAKE USE OF SALVAGED BRICK IN PLACE OF NEW CLAYTON BRICK TO MATCH EXISTING.

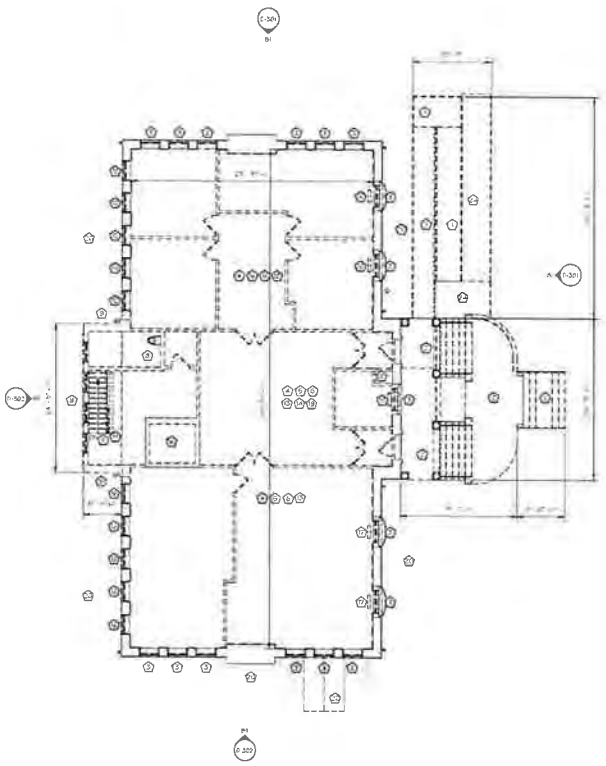
J. REFER TO EXTERIOR ZONES ELEVATIONS FOR ALL EXTERIOR ITEMS TO BE REMOVED.

## DEMOLITION NOTES

1. REMOVE EXISTING WOOD AND CONCRETE RAMP IN ITS ENTIRETY INCLUDING CONCRETE FOOTINGS
2. REMOVE EXISTING CONCRETE STAIRS, LANDINGS AND WET AL ENLARGE COMPLETELY, INCLUDING FOOTINGS, FOR DEMO AT COLUMN BEARING LANDING REFER TO STRUCTURAL DRAWINGS.
3. REMOVE EXISTING WINDOWS AND PREP OPENING TO RECEIVE NEW WINDOWS
4. REMOVE ALL EXISTING INTERIOR PARTITIONS AS SHOWN DASHED
5. REMOVE ALL EXISTING INTERIOR DOOR AND FRAME COMPLETELY AS SHOWN DASHED
6. REMOVE ALL EXISTING FLOOR FINISH THROUGH-OUT DOWN TO SUBFLOOR, PREP SUBFLOOR TO RECEIVE NEW FINISH, REFER TO FINISH PLANS.
7. REMOVE EXISTING INTERIOR STAIR AND RAILINGS COMPLETE, PATCH AND FILL OPENING TO MATCH EXISTING FLOOR CONSTRUCTION.
8. REMOVE EXISTING PLUMBING FIXTURES, CAP AND CAP BELOW FLOOR LINE.
9. REMOVE PORTION OF EXISTING EXTERIOR WALL DOWN TO THE FOUNDATION AND THEIR ENTIRETY
10. REMOVE EXISTING CHIMNEYS.
11. REMOVE EXISTING EXTERIOR DOORS AND FRAMES COMPLETE, PREP TO RECEIVE NEW EXTERIOR DOOR AND FRAME.
12. REMOVE EXISTING WINDOWS COMPLETE, PREP TO RECEIVE WALL INFILL
13. REMOVE EXISTING CEILING AND CEILING MOUNTED LIGHT FIXTURES.
14. REMOVE ALL EXISTING MILLWORK COMPLETELY.
15. REMOVE ALL EXISTING HVAC EQUIPMENT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION
16. REMOVE EXISTING ELEVATOR AND ALL ASSOCIATED COMPONENTS COMPLETELY. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. INFILL FLOOR OPENINGS TO MATCH EXISTING ADJACENT CONSTRUCTION.
17. REMOVE ALL EXISTING ESCALATORS.
18. G.C. TO STOP EXISTING WALLS DOWN TO EXISTING BRICK ON ALL WALLS TO REMAIN.
19. REMOVE PLASTER AND WOOD ON ALL EXTERIOR WALLS DOWN TO EXISTING BRICK.
20. REMOVE EXISTING DOWNSPOUTS AND GUTTER IN ITS ENTIRETY
21. REMOVE EXISTING MASONRY WALL PORTION/SEGMENT AS REQUIRED FOR NEW CONSTRUCTION OF NEW WALL. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION
22. DEMOLISH ASPHALT SHINGLE ROOFING, SUBSTRATES, SHEATHING, TO EXPOSE FRAMING, COMPLETELY REMOVE TRIM AND SOFFITS AT EAVES AND GABLE.
23. DEMOLISH CONCRETE AND BRICK STAIR, LANDINGS AND RETAINING WALLS
24. DEMOLISH AND REMOVE EXISTING CONCRETE SIDEWALK
25. DEMOLISH AND REMOVE PORTION OF EXISTING CONCRETE SLAB FOR NEW RAMP, REFER TO SHEET A-301




A1 BASEMENT DEMOLITION PLAN
SCALE: 1/8" = 1'-0"




A2 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

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BRIDGEPORT, CONNECTICUT

DRAWING TITLE
BASEMENT AND FIRST FLOOR DEMOLITION PLAN

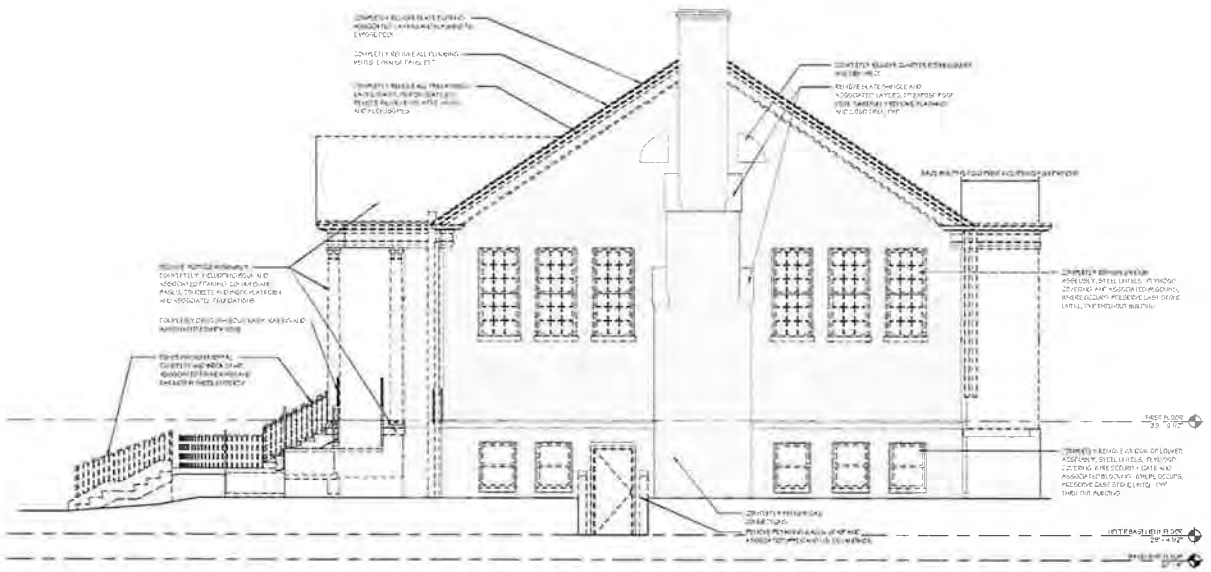
| SCALE | DRAWN BY | CHECKED BY |
|---|---|---|
| As indicated | CM/C | |

DRAWING NO.
D-101

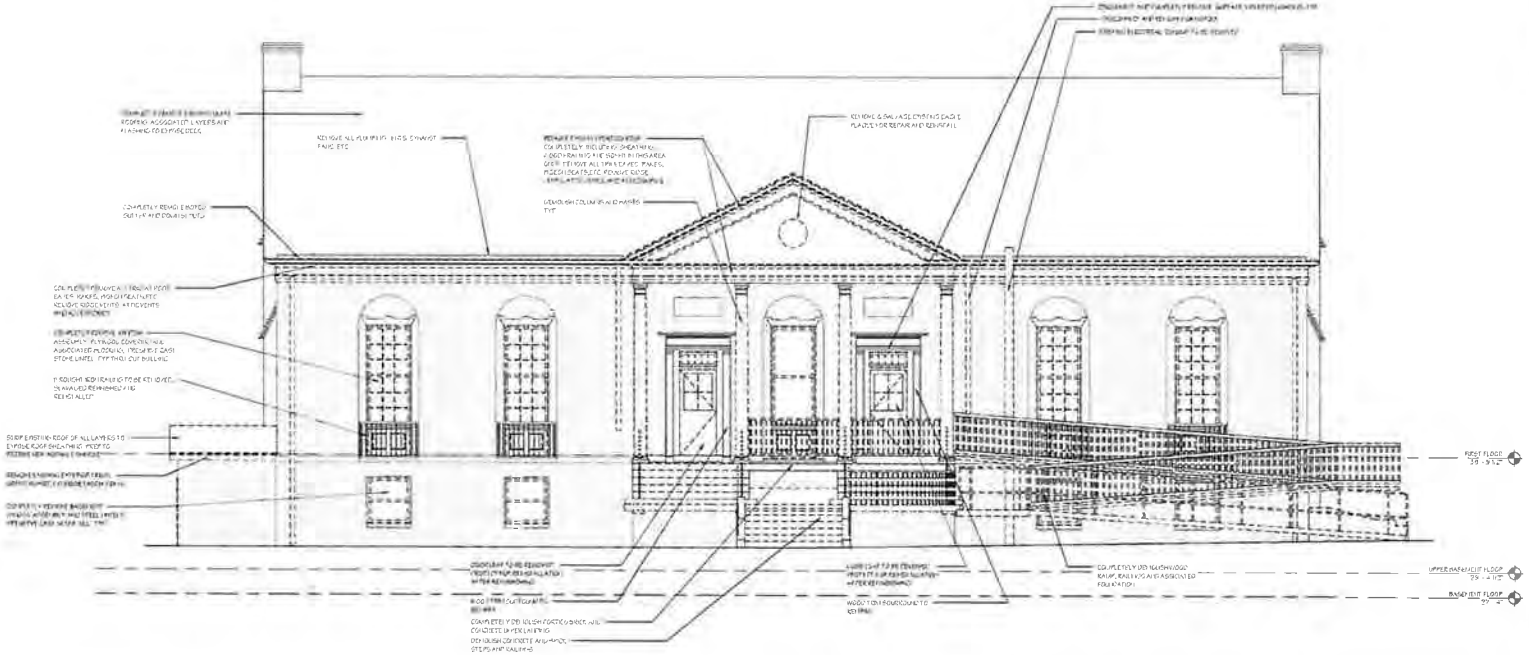
| DATE | JOB NUMBER |
|---|---|
| 12 JANUARY 2018 | 16010 |

## GENERAL DEMOLITION NOTES

A. THESE NOTES ARE FOR INTENT PURPOSES ONLY. CONTRACTOR TO BE RESPONSIBLE FOR REMOVING ALL QUANTITIES OF ALL ITEMS AS REQUIRED TO COMPLETE THIS PROJECT AS SHOWN ON THE CONSTRUCTION DOCUMENTS
B. ALL CUTTING, PATCHING & DEMOLITION REQUIRED BY ALL TRADES FOR THIS PROJECT SHALL AND EXISTING AREAS SHALL BE PERFORMED BY THE CONTRACTOR.
C. DISCONNECT OR DISABLE ALL AFFECTED UTILITIES PRIOR TO COMMENCING WORK. REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
D. DISCONNECT AND REMOVE UTILITY METERS
E. REMOVE MISC EQUIPMENT AND ASSOCIATED WIRING FROM BUILDING EXTERIOR
F. ANY UNUSED ELECTRICAL, SECURITY, OR OTHER SUCH JUNCTION BOXES OR CONTROL PANELS SHALL BE REMOVED.
G. G.C. TO CONFIRM STAGING AREAS WITH OWNER TO MINIMIZE THE DISTURBANCE OF DAILY BUILDING OPERATIONS AND TO PROTECT EXISTING SITE ELEMENTS (PAVEMENT, SIDEWALKS, LANDSCAPING, ETC.) FROM DAMAGE.
H. WHERE OCCURS, ALL CHANNUM, FLOORING TO BE REMOVED IN ITS ENTIRETY. CONTRACTOR TO DETERMINE THKNS OF REMOVAL
I. PRIOR TO START OF DEMOLITIONS, THE CONTRACTOR SHALL EVALUATE THE BRICK WALLS TO BE DEMOLISH TO DETERMINE SALVAGEABLE BRICK. CONTRACTOR SHALL COORDINATE THE AMOUNT OF MATERIAL REQUIRED FOR BRICK REBUILDING, AND REPAIR. ACCESSIBLE THE EXISTING FACADE WITH SALVAGED BRICK AND DEMO CONTRACTOR TO THE EXTEND POSSIBLE. MASONRY CONTRACTOR TO MAKE USE OF SALVAGED BRICK IN PLACE OF NEW CUSTOM BRICK TO MATCH EXISTING.
J. REFER TO EXTERIOR DEMO ELEVATIONS FOR ALL EXTERIOR ITEMS TO BE REMOVED




B1 NORTH ELEVATION
SCALE: 1/4" = 1'-0"




A1 EAST ELEVATION
SCALE: 1/4" = 1'-0"

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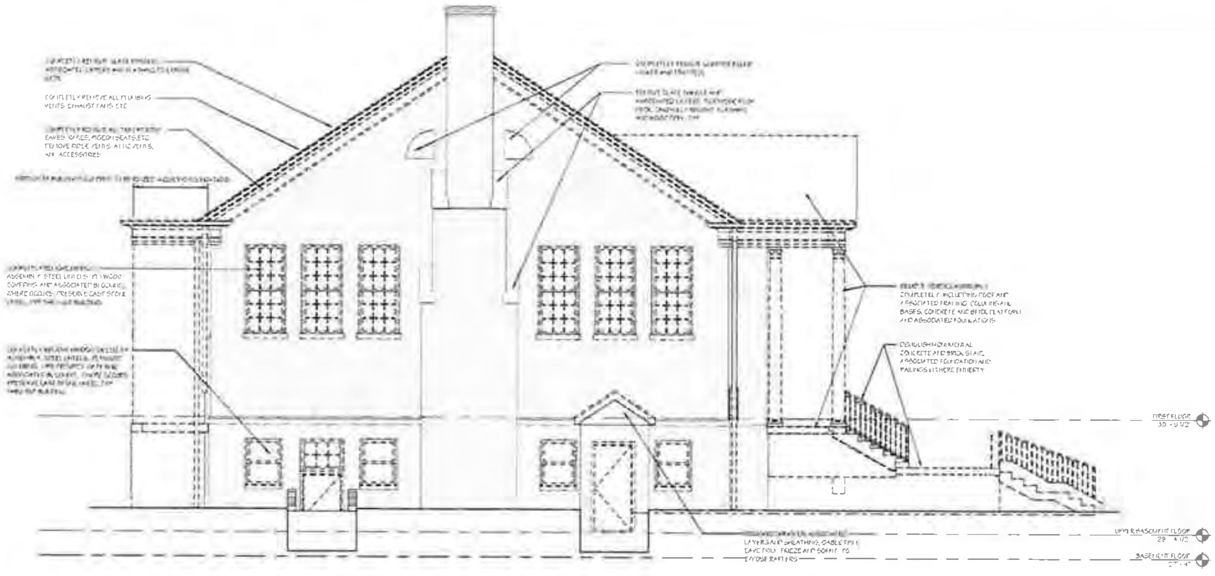
EXISTING EXTERIOR DEMOLITION ELEVATIONS

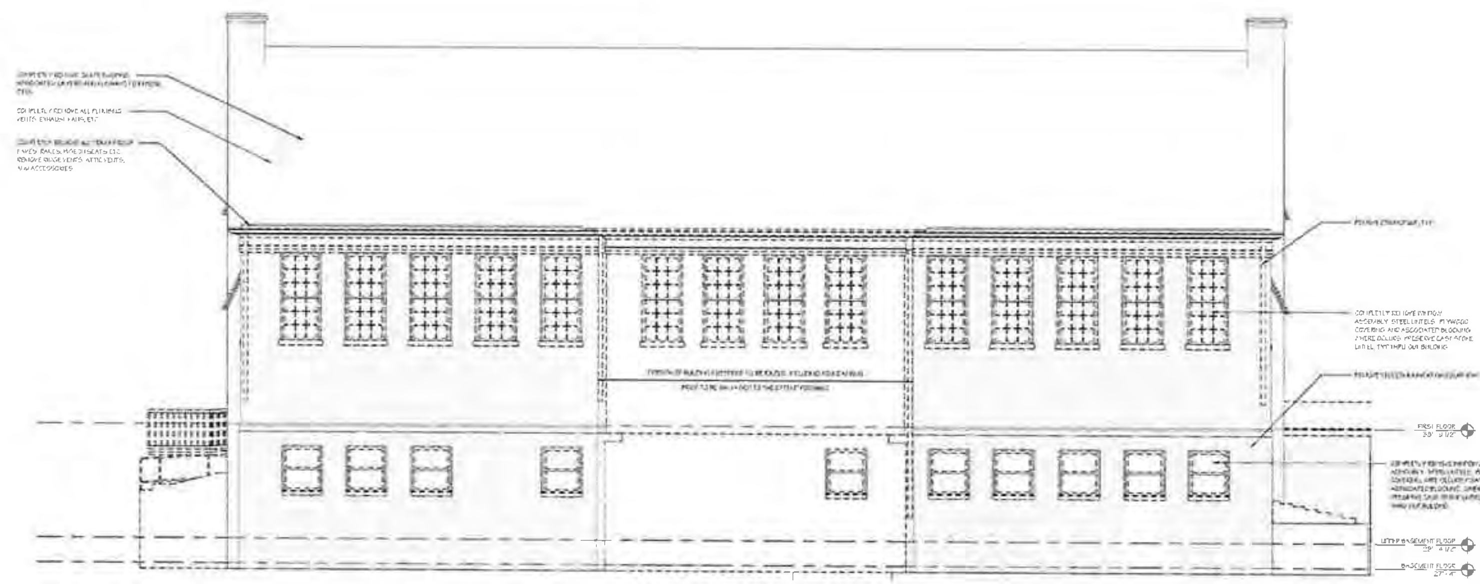
| SCALE | DRAWN BY | CHECKED BY |
|---|---|---|
| As indicated | MG | |

D-301

| DATE | JOB NUMBER |
|---|---|
| 12 JANUARY 2018 | 16010 |



B1 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



A1 WEST ELEVATION
SCALE: 1/4" = 1'-0"

## GENERAL DEMOLITION NOTES

A. THESE NOTES ARE FOR INTENT PURPOSES ONLY. CONTRACTOR TO BE RESPONSIBLE FOR REMOVING ALL QUANTITIES OF ALL ITEMS AS REQUIRED TO COMPLETE THIS PROJECT AS SHOWN ON THE CONSTRUCTION DOCUMENTS.
B. ALL CUTTING, PATCHING & DEMOLITION REQUIRED BY ALL TRADES FOR THIS PROJECT IN NEW AND EXISTING AREAS SHALL BE PERFORMED BY THE CONTRACTOR.
C. DISCONNECT OR DISABLE ALL AFFECTED UTILITIES PRIOR TO COMMENCING WORK. REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
D. DISSCONNECT AND REMOVE UTILITY METERS.
E. REMOVE MISC EQUIPMENT AND ASSOCIATED WIRING FROM BUILDING EXTERIOR.
F. ANY UNUSED ELECTRICAL, SECURITY, OR OTHER SUCH JUNCTION BOXES OR CONTROL PANELS SHALL BE REMOVED.
G. G.C. TO CONFIRM STAGING AREAS WITH OWNER TO MINIMIZE THE DISTURBANCE OF DAILY BUILDING OPERATIONS AND TO PROTECT EXISTING SITE ELEMENT'S (PAVEMENT, SIDEWALKS, LANDSCAPING, ETC) FROM DAMAGE.
H. WHERE OCCURS, ALL CHAINLINK FENCING TO BE REMOVED IN ITS ENTIRETY. CONTRACTOR TO DETERMINE TIMING OF REMOVAL.
I. PRIOR TO START OF DEMOLITIONS, THE CONTRACTOR SHALL EVALUATE THE BRICK WALLS TO BE DEMOLISH TO DETERMINE SALVAGEABLE BRICK. CONTRACTOR SHALL COORDINATE THE AMOUNT OF MATERIAL REQUIRED FOR BRICK REBUILDING, AND REPAIR, ACCROSS THE EXISTING FACADE WITH SALVAGED BRICK AND DEMO CONTRACTOR. TO THE EXTEND POSSIBLE, MASONRY CONTRACTOR TO MAKE USE OF SALVAGED BRICK IN PLACE OF NEW CUSTOM BRICK TO MATCH EXISTING.
J. REFER TO EXTERIOR DEMO ELEVATIONS FOR ALL EXTERIOR ITEMS TO BE REMOVED.

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EXISTING EXTERIOR DEMOLITION ELEVATIONS

| SCALE | DRAWN BY | CHECKED BY |
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| As indicated | MG | B |

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| DATE | JOB NUMBER |
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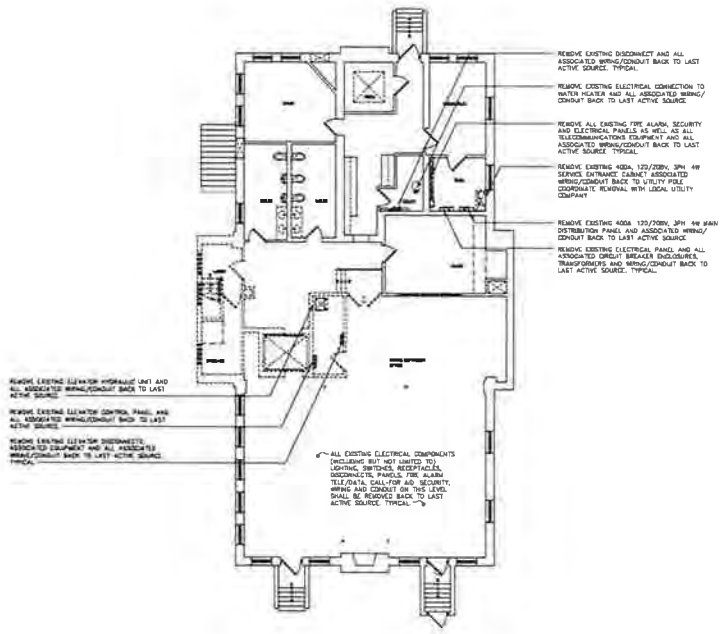
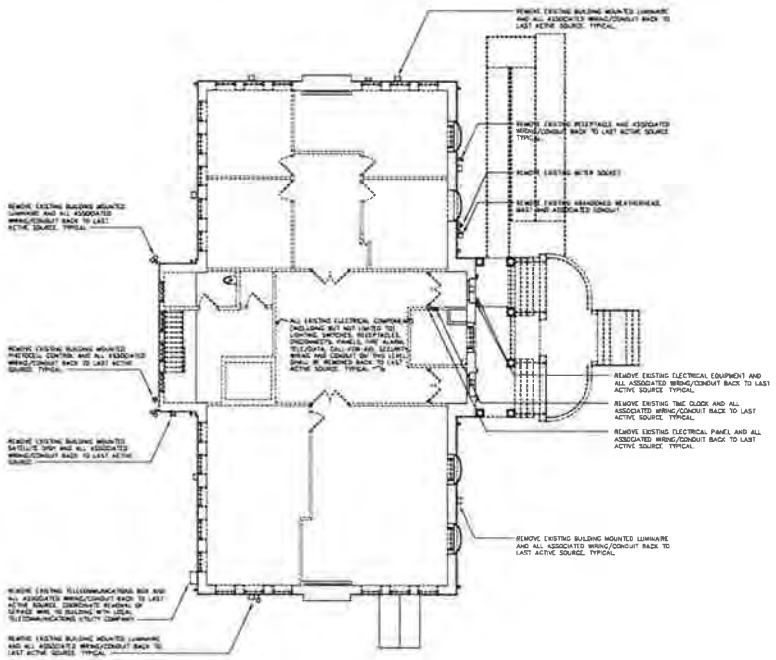



BASEMENT ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"




FIRST FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

**ELECTRICAL DEMOLITION NOTES:**

1. REMOVE ALL EXISTING LUMINAIRES, SWITCHES, RECEPTACLES AND ALL ASSOCIATED WIRING/CONDUIT BACK TO LAST ACTIVE SOURCE. TYPICAL.
2. REMOVE ALL EXISTING FIRE ALARM DEVICES AND EQUIPMENT AS WELL AS ALL ASSOCIATED WIRING/CONDUIT BACK TO FIRE ALARM CONTROL PANEL. TYPICAL.
3. REMOVE ALL EXISTING TELECOMMUNICATION OUTLETS AND EQUIPMENT AS WELL AS ALL ASSOCIATED WIRING/CONDUIT BACK TO BUILDING DEMARCATION POINT TYPICAL.
4. REMOVE ALL EXISTING SECURITY SYSTEM DEVICES AND EQUIPMENT AS WELL AS ALL ASSOCIATED WIRING/CONDUIT BACK TO LAST ACTIVE SOURCE. TYPICAL.
5. REMOVE ALL EXISTING CALL-FOR-ASSISTANCE DEVICES AND ALL ASSOCIATED WIRING/CONDUIT BACK TO LAST ACTIVE SOURCE. TYPICAL.

**GENERAL DEMOLITION NOTES:**

1. PRIOR TO BID THE CONTRACTOR SHALL VISIT SITE TO DETERMINE EXTENT OF DEMOLITION. ALL EXISTING ELECTRICAL EQUIPMENT, WIRING AND CONDUIT LOCATIONS AND SIZES SHOWN ARE APPROXIMATE. DEMOLITION DRAWINGS DO NOT SHOW ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND WIRING WHICH REQUIRE REMOVAL. CONTRACTOR SHALL FIELD VERIFY.
2. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
3. REMOVE ALL EQUIPMENT, WIRING, CONDUITS, ACCESSORIES AND RELATED SUPPORTS AS INDICATED ON DEMOLITION DRAWINGS. TYPICAL.
4. PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
5. DO NOT DAMAGE EXISTING EQUIPMENT AND/OR SYSTEMS NOT INDICATED FOR REMOVAL BY DEMOLITION DRAWINGS. ANY DAMAGE INCURRED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PATCH AND REPLACE AT NO COST TO OWNER.
6. DEMOLITION WORK SHALL BE PERFORMED BY QUALIFIED, LICENSED PERSONNEL AS REQUIRED BY ALL APPLICABLE CODES AND STANDARDS.

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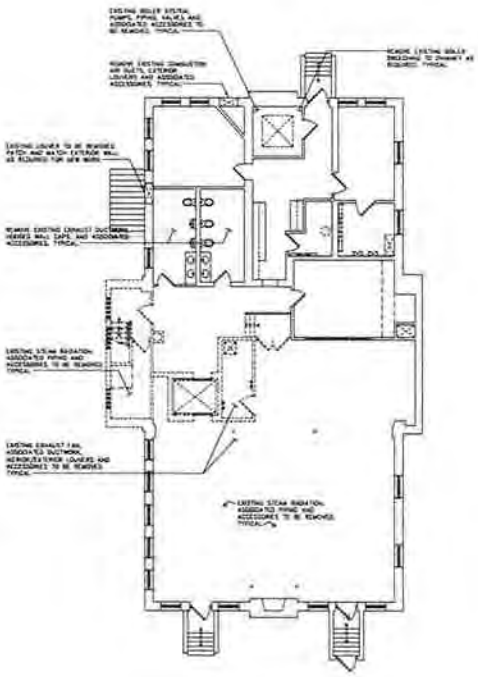
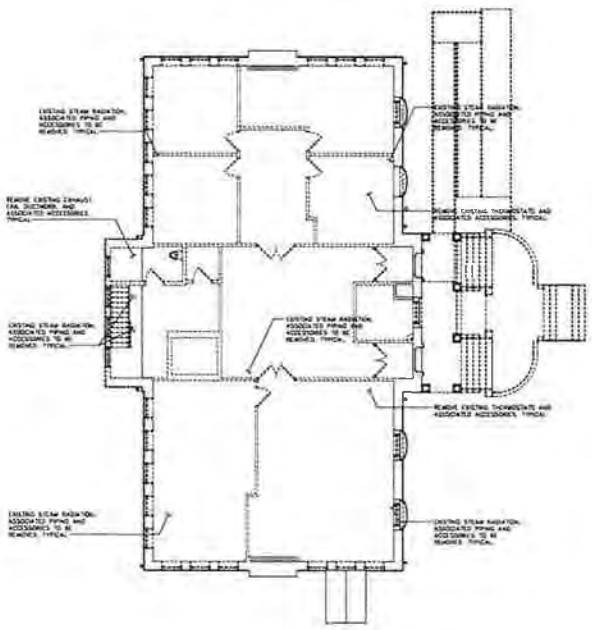


BASEMENT MECHANICAL DEMOLITION PLAN



FIRST FLOOR MECHANICAL DEMOLITION PLAN

MECHANICAL DEMOLITION NOTES:

1. THE CONTRACTOR(S) SHALL VISIT THE SITE PRIOR TO BIDDING, NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF THE PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROVIDING PROPOSED EQUIPMENT AND OR PROVIDING PROPOSED SCOPE OF WORK, EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF THE BASE BID AND CONTRACTOR(S) SHALL BID ACCORDINGLY. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.
2. REMOVE AND PROPERLY DISPOSE OF EQUIPMENT AND ASSOCIATED COMPONENTS/ACCESSORIES AS INDICATED ON DEMOLITION PLANS. PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. TYPICAL.
3. ALL DEMOLITION WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. COORDINATE WORK WITH ALL PROJECT DISCIPLINES AND EXISTING CONDITIONS. TYPICAL.
4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INDICATED IN AND RELATED TO THE PROJECT SCOPE OF WORK. TYPICAL.
5. DO NOT DISTURB ANY SUSPECTED HAZARDOUS MATERIALS. NOTIFY OWNERS REPRESENTATIVE OF ANY SUSPECTED MATERIALS IMPEDING PERFORMANCE OF WORK. TYPICAL.
6. REMOVE EXISTING STEAM AND CONDENSATE RETURN PIPING VALVES AND ASSOCIATED ACCESSORIES. TYPICAL FOR THE ENTIRE BUILDING.

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MECHANICAL DEMOLITION PLANS

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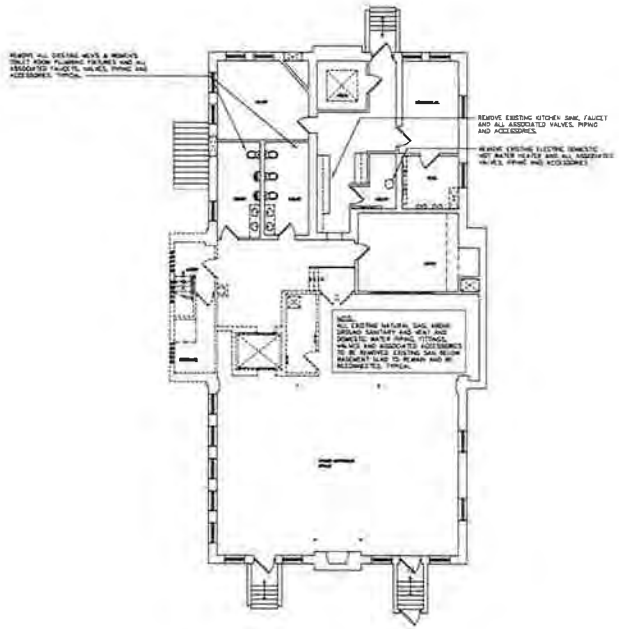
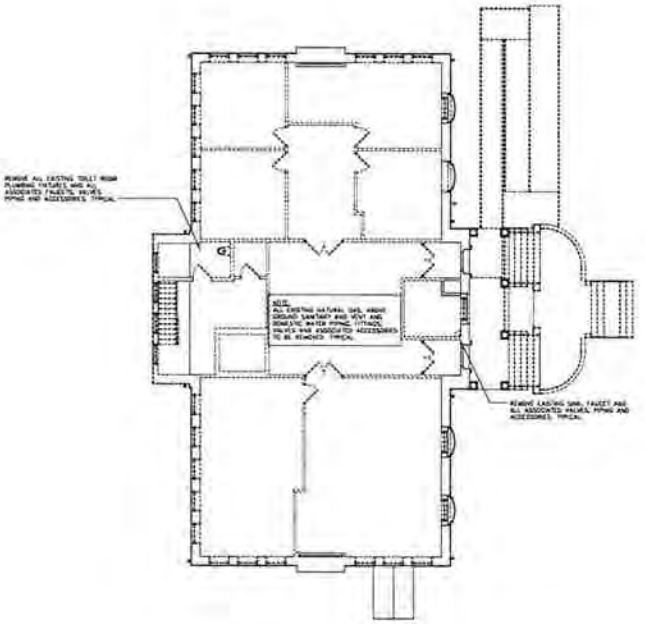


BASEMENT PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



FIRST FLOOR PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

PLUMBING DEMOLITION NOTES:

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING TO BECOME INFORMED AS TO THE NATURE AND SCOPE OF DEMOLITION WORK REQUIRED, PIPING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AS REQUIRED BY FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
3. ALL DEMOLITION WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES. TYPICAL.
4. DO NOT DAMAGE EXISTING EQUIPMENT AND/OR SYSTEMS NOT BEING REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING EQUIPMENT AND/OR SYSTEMS NOT BEING REMOVED.
5. DRAWINGS ARE DIAGRAMATIC. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDED IN AND RELATED TO THE PROJECT SCOPE OF WORK. TYPICAL.

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AREA OF REFUGE NOTES:

1. CONTRACTOR SHALL PROVIDE FLUSH MOUNTED AREA OF REFUGE CALL BOX 'AOR-1' IN AREAS OF REFUGE AS INDICATED ON DRAWINGS. RATH 7100-9SBMS OR APPROVED EQUAL.
2. CONTRACTOR SHALL PROVIDE FLUSH MOUNTED AREA OF REFUGE CALL BOX 'AOR 2' AT EXTERIOR AREA OF REFUGE AS INDICATED ON DRAWINGS. RATH 7100-9SBAUF OR APPROVED EQUAL.
3. CONTRACTOR SHALL PROVIDE FLUSH MOUNTED AREA OF REFUGE BASE STATION CABINET 'AOR-B' WITH INTEGRAL TRANSFORMER. LOCATE IN FIRST FLOOR MAIN ENTRY VESTIBULE 101. RATH 7500-2709W OR APPROVED EQUAL.
4. CONTRACTOR SHALL PROVIDE 120V/2HV POWER SUPPLY FOR AREA OF REFUGE CALL BOXES 'AOR-1' AND 'AOR-2' RATH 7500-PWR14' OR APPROVED EQUAL.
5. CONTRACTOR SHALL PROVIDE 1 PAIR #18 AWG WIRING (ACCEPTABLE TO EQUIPMENT MANUFACTURER) FROM POWER SUPPLY '7500-PWR24' TO EACH RESPECTIVE CALL BOX 'AOR-1'.
6. CONTRACTOR SHALL PROVIDE 7-PAIR SHIELDED TWISTED #22 AWG WIRING (ACCEPTABLE TO EQUIPMENT MANUFACTURER) FROM EACH RESPECTIVE CALL BOX 'AOR-1' TO BASE CABINET 'AOR-B'.
7. CONTRACTOR SHALL PROVIDE 1-PAIR WIRING FOR PHONE CONNECTION. CALL OUT TO CENTRAL STATION MONITORING COORDINATE WITH FIRE DEPARTMENT.
8. CONTRACTOR SHALL MOUNT CALL BOXES 'AOR-1' BETWEEN 48" TO 80" FROM FINISHED FLOOR TO TACTILE CHARACTERS. CONTRACTOR SHALL MOUNT BASE CABINET 'AOR-B' AT 60" A.F.F. TO CENTER OF CABINET.
9. CONTRACTOR SHALL PROVIDE INSTRUCTIONAL SIGNAGE ADJACENT TO EACH RESPECTIVE CALL BOX 'AOR-1'. RATH '7094' OR APPROVED EQUAL. MOUNT BETWEEN 48" TO 80" FROM FINISHED FLOOR TO TACTILE CHARACTERS.
10. CONTRACTOR SHALL PROVIDE AREA OF REFUGE TACTILE SIGNAGE AT ENTRY OF EACH AREA OF REFUGE. RATH 7094' OR APPROVED EQUAL. MOUNT AT 60" A.F.F. TO CENTER OF SIGNAGE.
11. CONTRACTOR SHALL PROVIDE ILLUMINATED AREA OF REFUGE SIGNAGE WITH BATTERY BACKUP AT ENTRY OF EACH AREA OF REFUGE. RATH '7096' OR APPROVED EQUAL. MOUNT AT 80" A.F.F. TO TOP OF SIGNAGE. CONNECT TO NEAREST EXIT SIGN LIGHTING CIRCUIT. PROVIDE 1/2"C. 3-#12 AWG.

ELEVATOR NOTES:

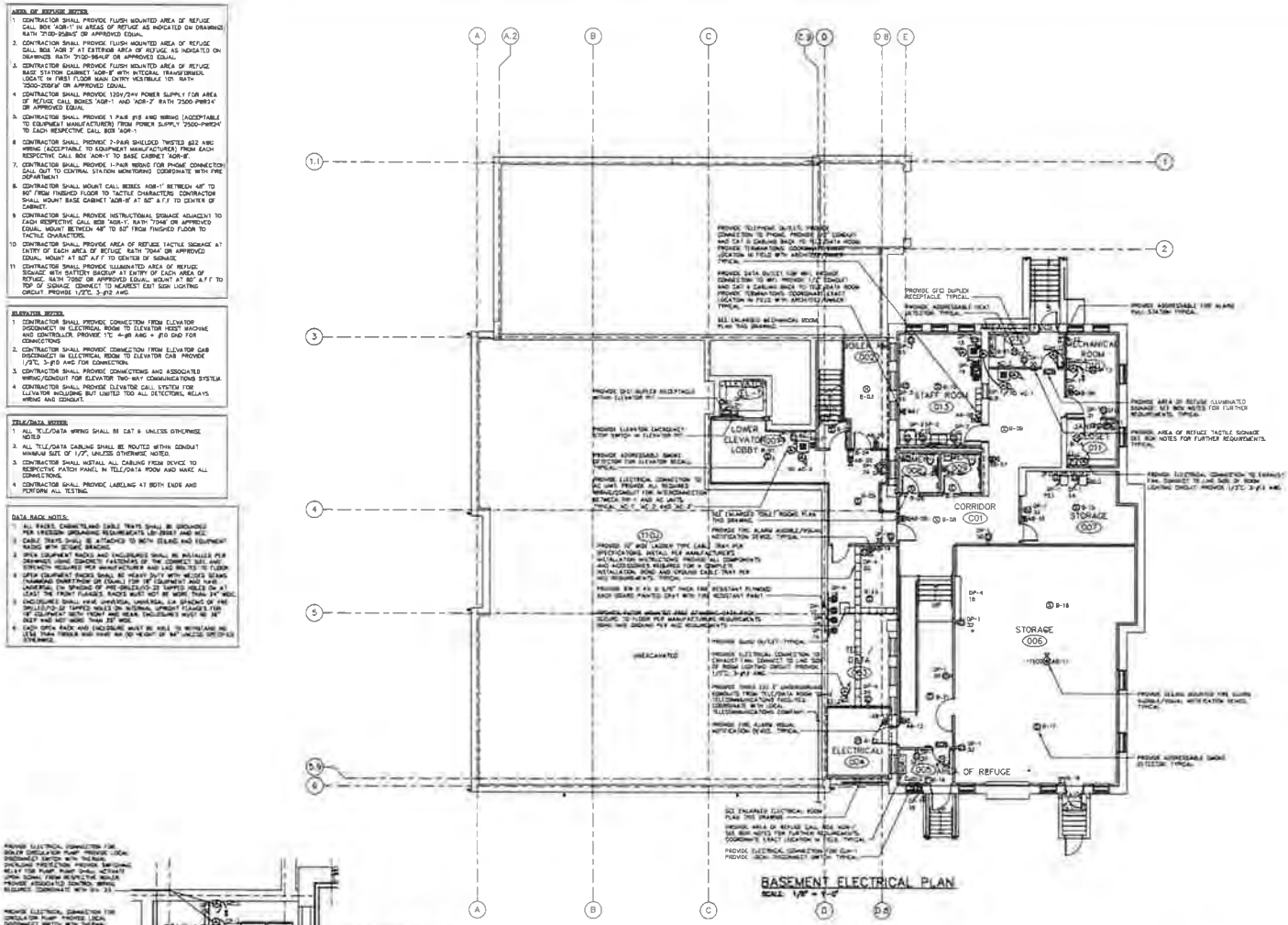
1. CONTRACTOR SHALL PROVIDE CONNECTION FROM ELEVATOR DISCONNECT IN ELECTRICAL ROOM TO ELEVATOR HOIST MACHINE AND CONTROLLER. PROVIDE 1"C 4-#8 AWG + #10 GND FOR CONNECTIONS.
2. CONTRACTOR SHALL PROVIDE CONNECTION FROM ELEVATOR CAB DISCONNECT IN ELECTRICAL ROOM TO ELEVATOR CAB. PROVIDE 1/2"C. 3-#10 AWG FOR CONNECTION.
3. CONTRACTOR SHALL PROVIDE CONNECTIONS AND ASSOCIATED WIRING/CONDUIT FOR ELEVATOR TWO-WAY COMMUNICATIONS SYSTEM.
4. CONTRACTOR SHALL PROVIDE ELEVATOR CALL SYSTEM FOR ELEVATOR INCLUDING BUT LIMITED TOO ALL DETECTORS, RELAYS WIRING AND CONDUIT.

TELE/DATA NOTES:

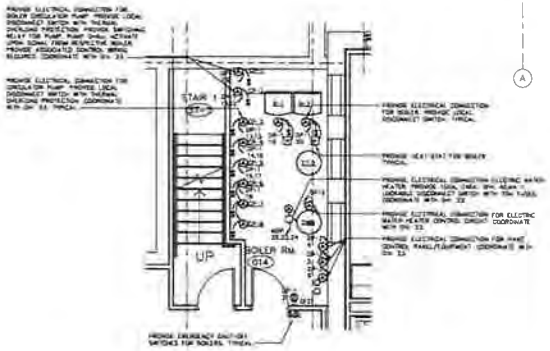
1. ALL 'TELE/DATA WIRING SHALL BE CAT 6 UNLESS OTHERWISE NOTED.
2. ALL TELE/DATA CABLING SHALL BE ROUTED WITHIN CONDUIT MINIMUM SIZE OF 1/2", UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL INSTALL ALL CABLING FROM DEVICE TO RESPECTIVE PATCH PANEL IN TELE/DATA ROOM AND MAKE ALL CONNECTIONS.
4. CONTRACTOR SHALL PROVIDE LABELING AT BOTH ENDS AND PERFORM ALL TESTING.

DATA RACK NOTES:

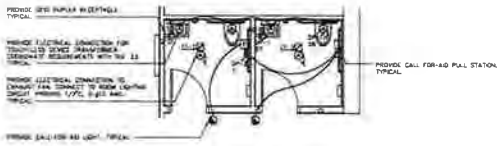
1. ALL RACKS, CABINETS AND CABLE TRAYS SHALL BE GROUNDED PER J-RECOGN GROUNDING REQUIREMENTS (J-STD-607) AND NEC.
2. CABLE TRAYS SHALL BE ATTACHED TO BOTH CEILING AND EQUIPMENT RACKS WITH ZIGZAG BRACING.
3. OPEN EQUIPMENT RACKS AND ENCLOSURES SHALL BE INSTALLED PER DRAWINGS USING CONCRETE FASTENERS OF THE CORRECT SIZE AND STRENGTH REQUIRED PER MANUFACTURER AND LAG BOLTS TO FLOOR.
4. OPEN EQUIPMENT RACKS SHALL BE HEAVY DUTY WITH WELDED SEAMS (THICKNESS DEPENDENT ON LOAD) FOR 19" EQUIPMENT AND HAVE UNIVERSAL (1U SPACING OF PRE-DRILLED/10-32 TAPPED HOLES ON AT LEAST THE FRONT FLANGES. RACKS MUST BE WIDE THAN 24" WIDE.
5. ENCLOSURES SHALL HAVE UNIVERSAL (1U SPACING OF PRE-DRILLED/10-32 TAPPED HOLES ON INTERNAL UPRIGHT FLANGES FOR MOUNTING OF 19" EQUIPMENT. REAR ENCLOSURES MUST BE 36" DEEP AND NOT MORE THAN 42" DEEP.
6. EACH OPEN RACK AND ENCLOSURE MUST BE ABLE TO WITHSTAND NO LESS THAN 1000LB ROAD HAVE AN (ID HEIGHT OF 84" UNLESS SPECIFIED OTHERWISE.



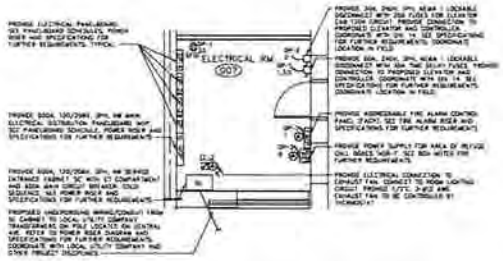

BASEMENT ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"




ENLARGED BASEMENT BOILER ROOM (014) PLAN
SCALE: 1/4" = 1'-0"




ENLARGED BASEMENT TOILET ROOMS (004/005) PLAN
SCALE: 1/4" = 1'-0"




ENLARGED BASEMENT ELECTRICAL ROOM (007) PLAN
SCALE: 1/4" = 1'-0"

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BASEMENT ELECTRICAL PLAN

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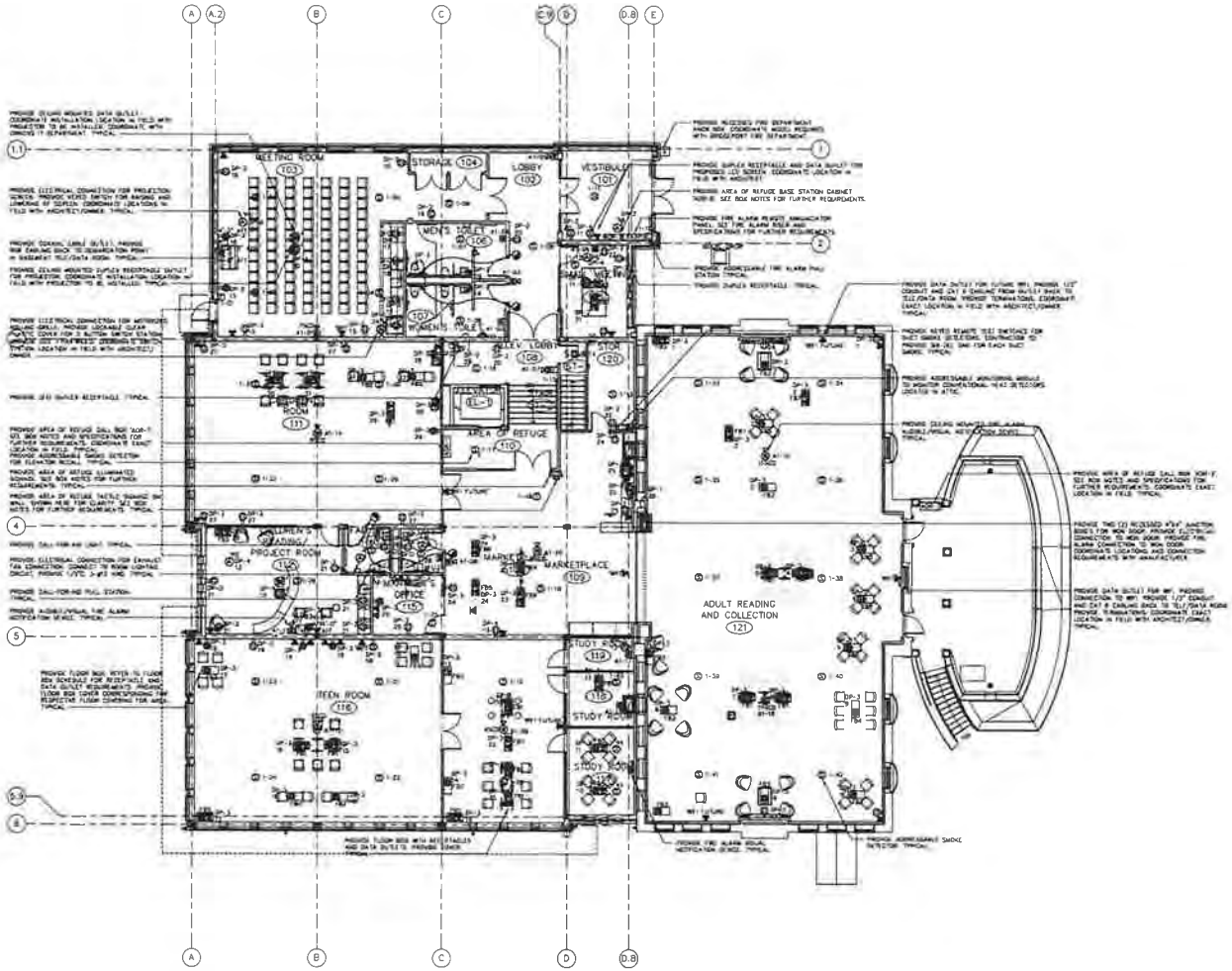
**AREA OF REFUGE NOTES:**

1. CONTRACTOR SHALL PROVIDE FLUSH MOUNTED AREA OF REFUGE CALL BOX "AOR-1" IN AREAS OF REFUGE AS INDICATED ON DRAWINGS. RATH "2100-BSMS OR APPROVED EQUAL.
2. CONTRACTOR SHALL PROVIDE FLUSH MOUNTED AREA OF REFUGE CALL BOX "AOR-2" AT EXTERIOR AREA OF REFUGE AS INDICATED ON DRAWINGS. RATH "2100-BSMLN" OR APPROVED EQUAL.
3. CONTRACTOR SHALL PROVIDE FLUSH MOUNTED AREA OF REFUGE BASE STATION CABINET "AOR-B" WITH INTEGRAL TRANSFORMER. LOCATE IN FIRST FLOOR MAIN ENTRY VESTIBULE 101. RATH "2500-2024-V" OR APPROVED EQUAL.
4. CONTRACTOR SHALL PROVIDE 120V/24V POWER SUPPLY FOR AREA OF REFUGE CALL BOXES "AOR-1 AND "AOR-2" RATH "2500-PWR24 OR APPROVED EQUAL.
5. CONTRACTOR SHALL PROVIDE 1-PAIR #18 AWG WIRING (ACCEPTABLE TO EQUIPMENT MANUFACTURER) FROM POWER SUPPLY "2500-PWR24 TO EACH RESPECTIVE CALL BOX "AOR-1".
6. CONTRACTOR SHALL PROVIDE 2-PAIR SHIELDED TWISTED #22 AWG WIRING (ACCEPTABLE TO EQUIPMENT MANUFACTURER) FROM EACH RESPECTIVE CALL BOX "AOR-1" TO BASE CABINET "AOR-B".
7. CONTRACTOR SHALL PROVIDE 1 PAIR WIRING FOR PHONIC CONNECTION CALL OUT TO CENTRAL STATION MONITORING. COORDINATE WITH FIRE DEPARTMENT.
8. CONTRACTOR SHALL MOUNT CALL BOXES "AOR 1" BETWEEN 48" TO 60" FROM FINISHED FLOOR TO TACTILE CHARACTERS. CONTRACTOR SHALL MOUNT BASE CABINET "AOR-B #1 60" A.F.F. TO CENTER OF CABINET.
9. CONTRACTOR SHALL PROVIDE INSTRUCTIONAL SIGNAGE ADJACENT EACH RESPECTIVE CALL BOX "AOR 1" RATH "7048 OR APPROVED EQUAL. MOUNT BETWEEN 48" TO 60" FROM FINISHED FLOOR TO TACTILE CHARACTERS.
10. CONTRACTOR SHALL PROVIDE AREA OF REFUGE TACTILE SIGNAGE AT ENTRY OF EACH AREA OF REFUGE. RATH "7044" OR APPROVED EQUAL. MOUNT AT 60" A.F.F. TO CENTER OF SIGNAGE.
11. CONTRACTOR SHALL PROVIDE ILLUMINATED AREA OF REFUGE SIGNAGE WITH BATTERY BACKUP AT ENTRY OF EACH AREA OF REFUGE. RATH "7032" OR APPROVED EQUAL. MOUNT AT 80" A.F.F. TO TOP OF SIGNAGE. CONNECT TO NEAREST EXIT SIGN LIGHTING CIRCUIT. PROVIDE 1/2"C., 3-#12 AWG.

**ELEVATOR NOTES:**

1. CONTRACTOR SHALL PROVIDE CONNECTION FROM ELEVATOR DISCONNECT IN ELECTRICAL ROOM TO ELEVATOR HOIST MACHINE AND CONTROLLER. PROVIDE 1"C., 4-#8 AWG + #10 GND FOR CONNECTIONS.
2. CONTRACTOR SHALL PROVIDE CONNECTION FROM ELEVATOR CAR DISCONNECT IN ELECTRICAL ROOM TO ELEVATOR CAB. PROVIDE 1/2"C., 3-#10 AWG FOR CONNECTION.
3. CONTRACTOR SHALL PROVIDE CONNECTIONS AND ASSOCIATED WIRING/CONDUIT FOR ELEVATOR TWO-WAY COMMUNICATIONS SYSTEM.
4. CONTRACTOR SHALL PROVIDE ELEVATOR CALL SYSTEM FOR ELEVATOR INCLUDING BUT LIMITED TOO ALL DETECTORS, RELAYS, WIRING AND CONDUIT.




FIRST FLOOR ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

**FLOOR BOX SCHEDULE**

| DESIGNATION | MANUFACTURER | MODEL NUMBER / SERIES | SIMPLEX RECEPT. QTY. | DATA OUTLET QTY. | ELECTRICAL OUTLET QTY. |
|---|---|---|---|---|---|
| FB1 | LEGRAND WIREMOLD | | 4 | 4 | |
| FB2 | LEGRAND WIREMOLD | | 2 | | |
| FB3 | LEGRAND WIREMOLD | | 2 | | |
| FB4 | LEGRAND WIREMOLD | | 2 | | |
| FB5 | LEGRAND WIREMOLD | | 2 | 1 | |
| FB6 | LEGRAND WIREMOLD | | 2 | 1 | |
| FB7 | LEGRAND WIREMOLD | | 4 | 2 | |
| FB8 | LEGRAND WIREMOLD | | 4 | 4 | |
| FB9 | LEGRAND WIREMOLD | | 4 | 4 | |

NOTES: TO BE CONFIRM BY ARCHITECT

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FIRST FLOOR ELECTRICAL PLAN

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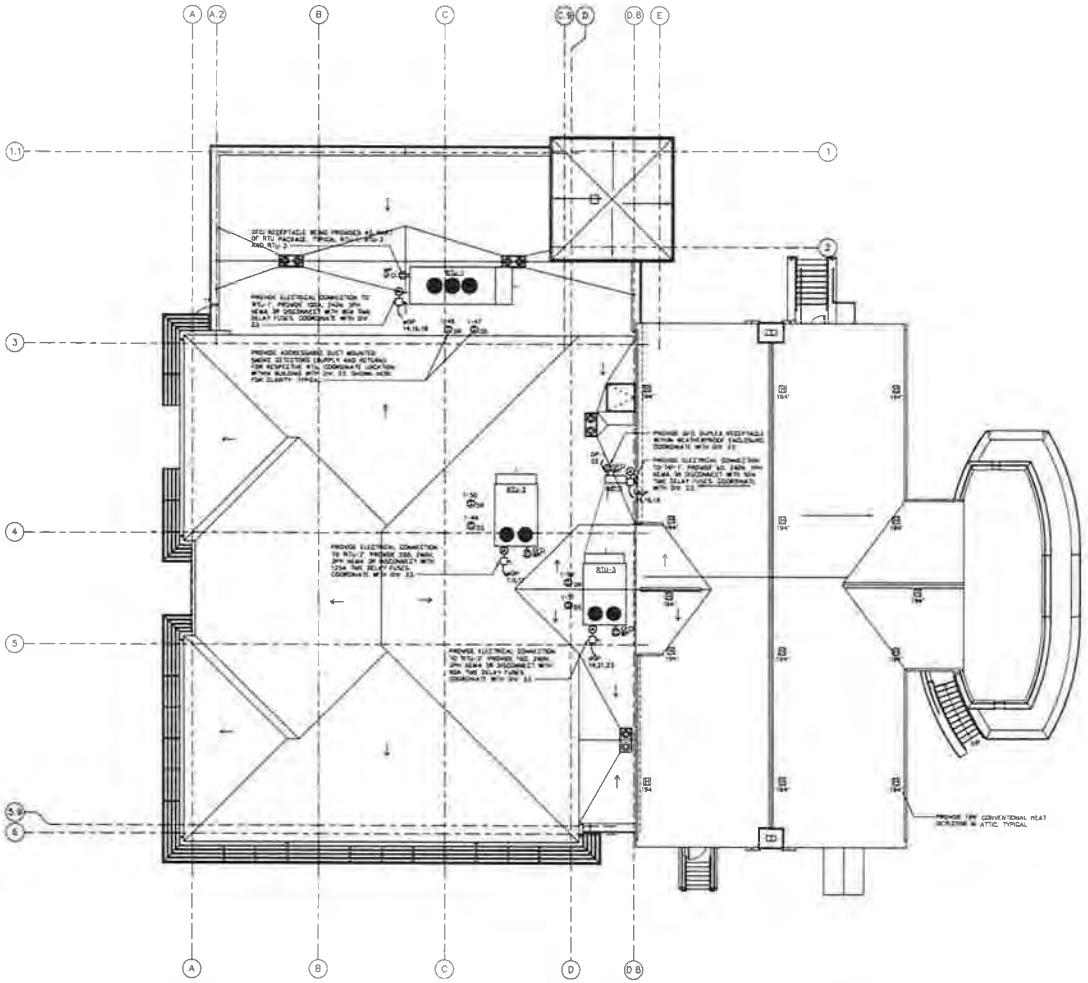

ROOF ELECTRICAL PLAN
SCALE: 1/16" = 1'-0"

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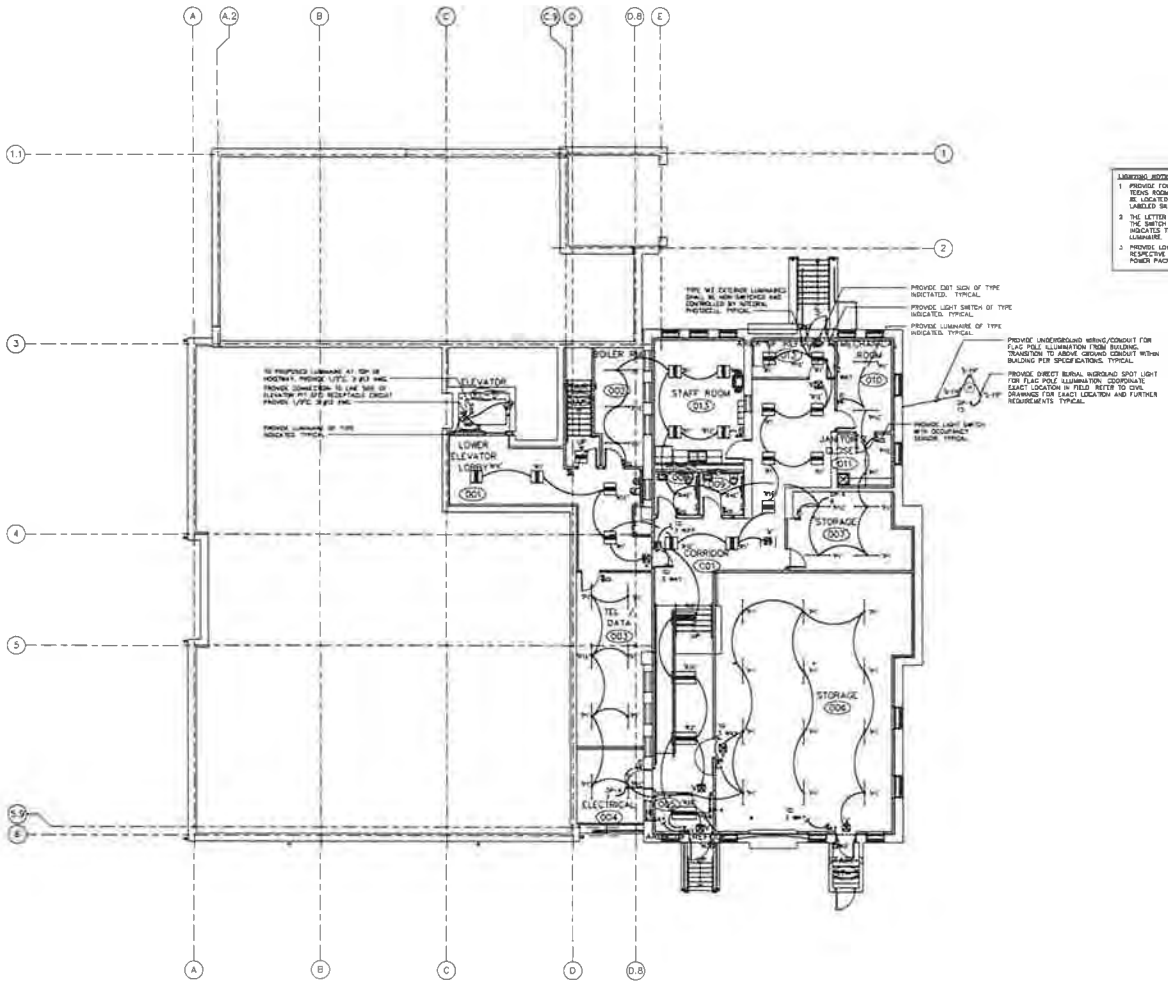


**LIGHTING NOTES:**

1. PROVIDE FOUR (4) KEYED LOW VOLTAGE SWITCHES FOR LIGHTING IN TEENS ROOM AND AREA ADJACENT TO TEENS ROOM. THESE SHALL BE LOCATED AT THE MAIN DESK IN THE MARKET PLACE AND LABELED SALE, SALE, SKIN.
2. THE LETTER ADJACENT TO THE RESPECTIVE LUMINAIRE DESIGNATES THE SWITCH TO CONTROL SAID LUMINAIRE. THE ADJACENT NUMBER INDICATES THE DAYLIGHT SENSOR WHICH IS TO CONTROL SAID LUMINAIRE.
3. PROVIDE LOW VOLTAGE DIMMER SWITCHES FOR CONTROL OF RESPECTIVE LUMINAIRES WHERE INDICATED. PROVIDE ALL ASSOCIATED POWER PACKS REQUIRED FOR LOW VOLTAGE OPERATION.

BASEMENT LIGHTING PLAN
SCALE: 1/8" = 1'-0"

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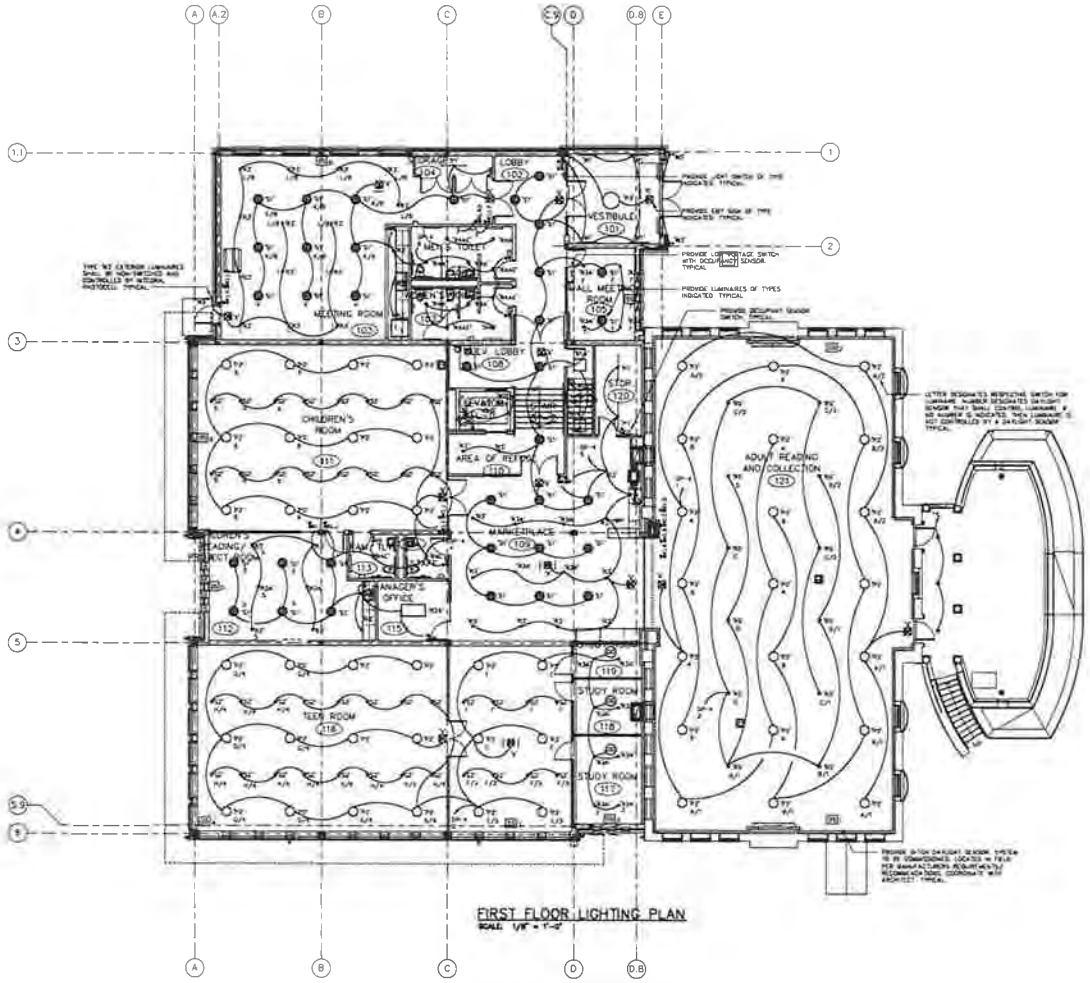
E-201




FIRST FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

SALAMONE & ASSOCIATES, P.C.
CONSULTING ENGINEERS

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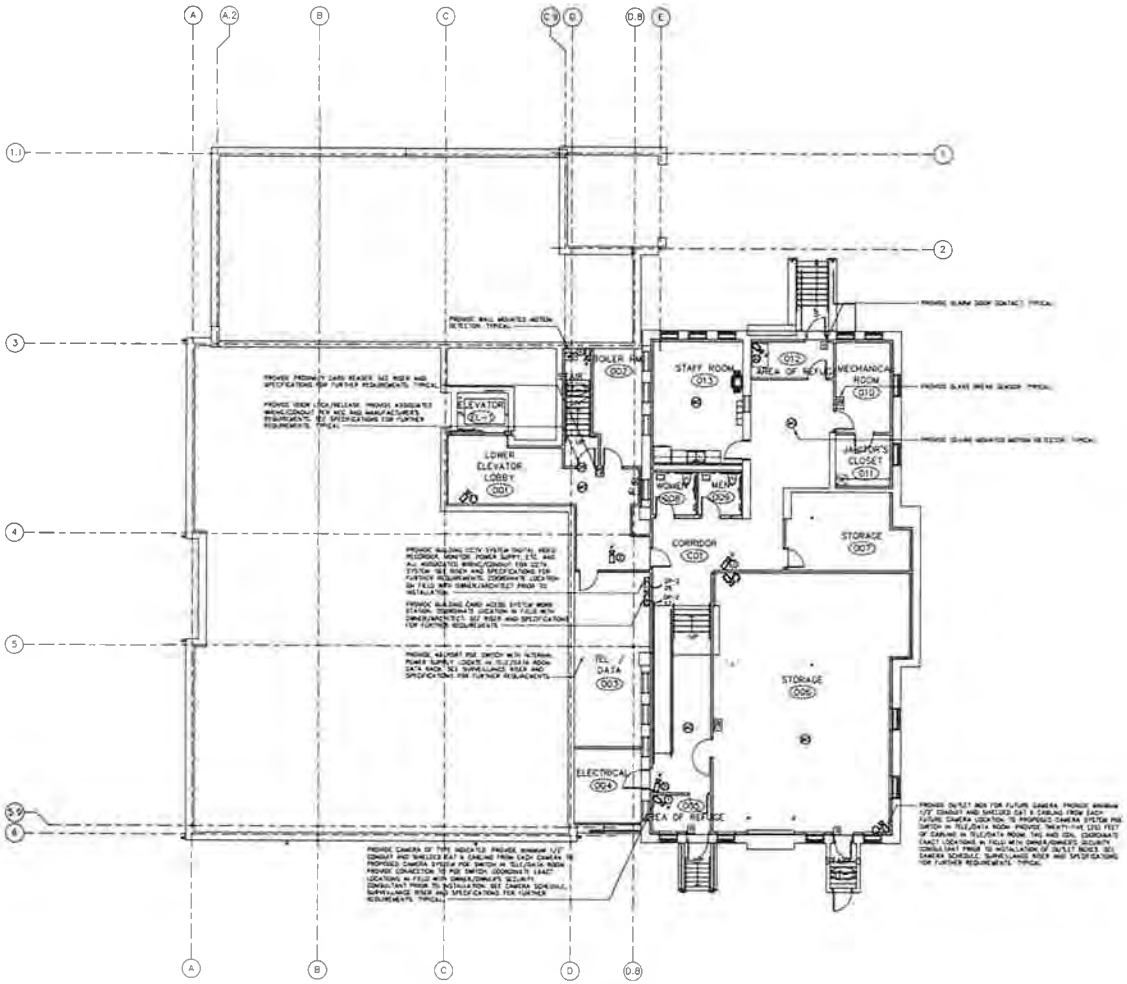
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

TITLE:
FIRST FLOOR LIGHTING PLAN

E-202




BASEMENT SECURITY PLAN

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

D

C

B

A

1

2

3

4

5

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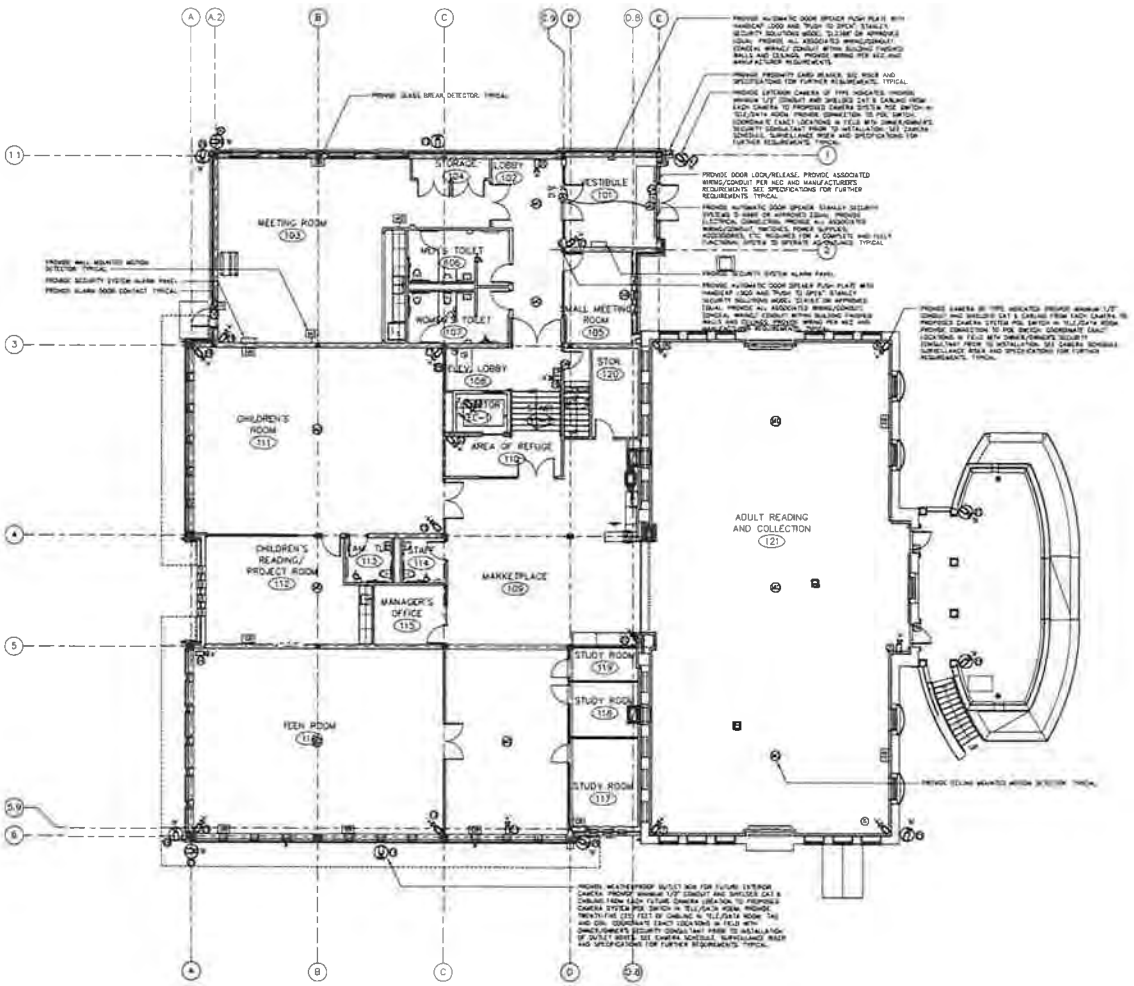
E-301




FIRST FLOOR SECURITY PLAN

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

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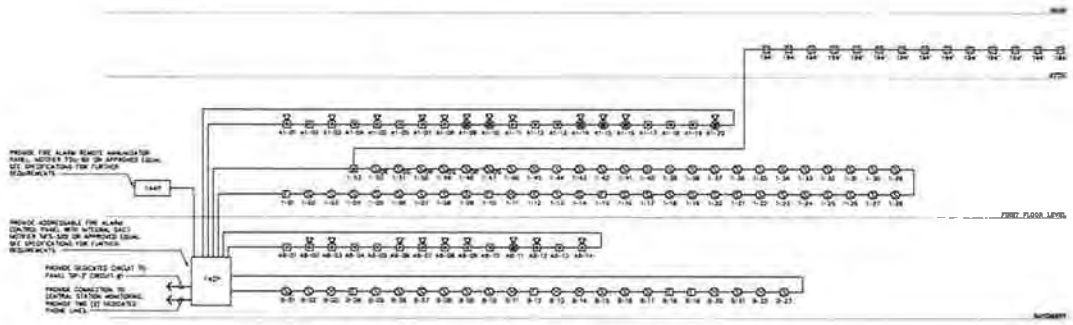
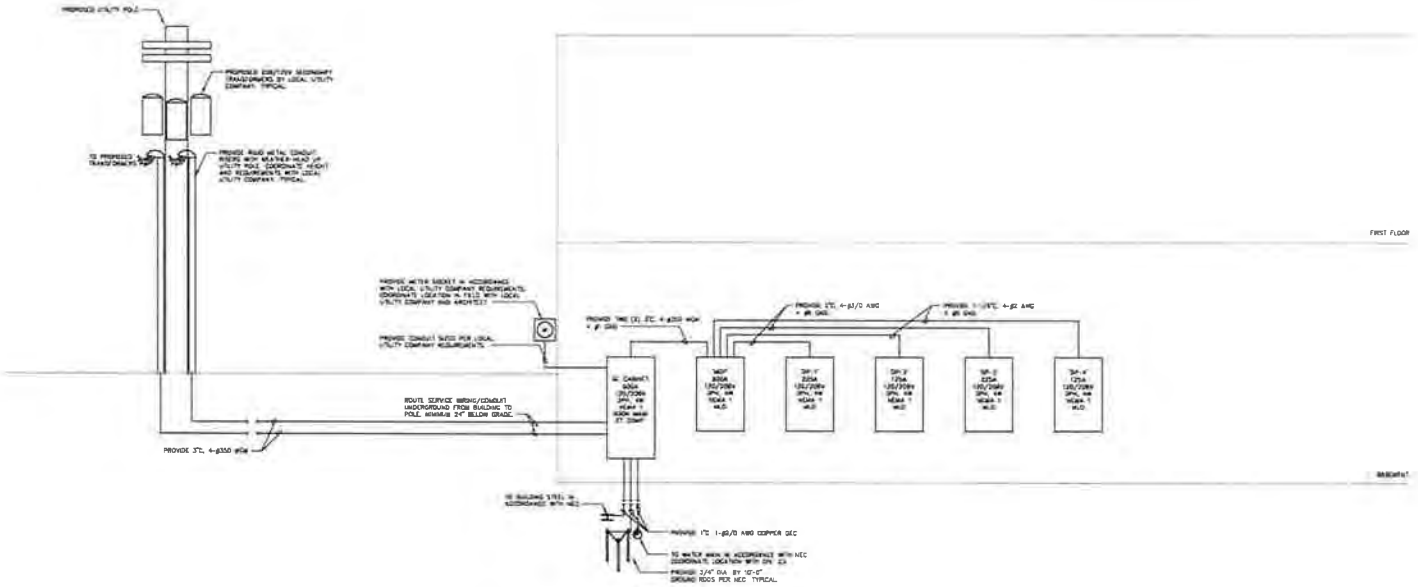
FIRST FLOOR SECURITY PLAN

E-302

12 JANUARY 2018



FIRE ALARM RISER DIAGRAM
SCALE: N.T.S.



POWER RISER DIAGRAM
SCALE: N.T.S.

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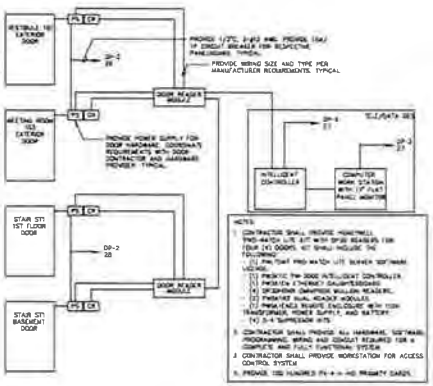
ELECTRICAL RISER DIAGRAMS

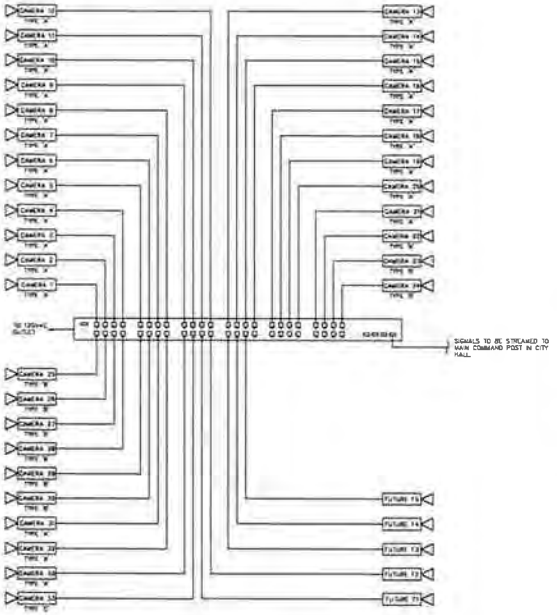
E-401

12 JANUARY 2018 | 16010




BUILDING CARD ACCESS SYSTEM RISER

SCALE: N.T.S




SURVEILLANCE SYSTEM RISER DIAGRAM

SCALE: N.T.S

## CAMERA SCHEDULE

| TYPE | MANUFACTURER | DESCRIPTIONS | VOLTS | MODEL NO | MOUNTING |
|---|---|---|---|---|---|
| A | AXIS | | [illegible] | | INDOOR SURFACE WALL/ CEILING |
| B | AXIS | | [illegible] | | EXTERIOR SURFACE WALL |
| C | AXIS | 1/3" PROGRESSIVE SCAN IP CAMERA IN VANDAL RESISTANT CORNER MOUNT ENCLOSURE. 2.5-8MM VARIFOCAL LENS DAY/NIGHT H 284 VIDDE COMPRESSION ONVIF | [illegible] | Q6414-LVS | ELEVATOR CAB |

## CCTV SYSTEM NOTES:

CCTV SYSTEM SHALL FUNCTION AS FOLLOWS. CONTRACTOR SHALL PROVIDE ALL COMPONENTS, WIRING/CONDUIT, HARDWARE, PROGRAMMING, ETC REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM AS OUTLINED.

1) CCTV SYSTEM NVR, NETWORK SWITCH MONITOR, POWER SUPPLIES SHALL BE LOCATED IN THE BASEMENT TELE/DATA ROOM.

2) CCTV SYSTEM SIGNALS SHALL BE STREAMED TO MAIN COMMAND POST IN BRIDGEPORT CITY HALL.

3) CONTRACTOR SHALL PROVIDE ALL LICENSING REQUIRED FOR CAMERAS.

4) SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

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ARCHITECTURE & INTERIORS

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E-402

## PANELBOARD MDP

Class: | Type: SPECTRA SERIES | Short Circuit Rating (Min.): 42 KAIC | Remark:
SERVICE: [illegible] Volts 3 Phase 4 Wire | S/C Label: [illegible]
PANELBOARD CONFIGURATION: 800 AMPERE MAIN BUS, Trim: SURFACE | Entrance: TOP/BOTTOM | Equipment Ground Bus: YES
MAIN: Type: MLO, Wire Size: SEE RISER | Enclosure: NEMA 1
BRANCH CIRCUITS: Branch Protective Devices. (MOLDED CASE CIRCUIT BREAKERS)

| Cir No | Circuit Designation | KVA Load | Pole | Trip Amps | Frame Amps | Wire (min.) | See Remark |
|---|---|---|---|---|---|---|---|
| 1 | DP-1 | 37.4 | 3 | 200 | 225 | SEE RISER | |
| 2 | DP-3 | 36.3 | 3 | 200 | 225 | SEE RISER | |
| 3 | - - - | - | - | - | - | - - - | |
| 4 | - - - | - | - | - | - | - - - | |
| 5 | - - - | - | - | - | - | - - - | |
| 6 | - - - | - | - | - | - | - - - | |
| 7 | RTU-2 | 24.8 | 3 | 125 | 125 | 1-1/4"C, 3-#1 AWG + #6 GND | |
| 8 | DP-2 | 24.2 | 3 | 125 | 125 | SEE RISER | |
| 9 | - - - | - | - | - | - | - - - | |
| 10 | - - - | - | - | - | - | - - - | |
| 11 | - - - | - | - | - | - | - - - | |
| 12 | - - - | - | - | - | - | - - - | |
| 13 | DP-4 | 25.8 | 3 | 125 | 125 | SEE RISER | |
| 14 | RTU-1 | 66.7 | 3 | 80 | 100 | 1"C, 3-#4 AWG + #8 GND | |
| 15 | - - - | - | - | - | - | - - - | |
| 16 | - - - | - | - | - | - | - - - | |
| 17 | - - - | - | - | - | - | - - - | |
| 18 | - - - | - | - | - | - | - - - | |
| 19 | RTU-3 | 25.2 | 3 | 80 | 100 | 1"C, 3-#4 AWG + #8 GND | |
| 20 | ELECTRIC WATER HEATER | 18.0 | 3 | 70 | 100 | 1"C, 3-#6 AWG + #8 GND | |
| 21 | - - - | - | - | - | - | - - - | |
| 22 | - - - | - | - | - | - | - - - | |
| 23 | - - - | - | - | - | - | - - - | |
| 24 | - - - | - | - | - | - | - - - | |
| 25 | PREPARED SPACE | - | 3 | - | 100 | - - - | |
| 26 | PREPARED SPACE | - | 3 | - | 100 | - - - | |
| 27 | - - - | - | - | - | - | - - - | |
| 28 | - - - | - | - | - | - | - - - | |
| 29 | - - - | - | - | - | - | - - - | |
| 30 | - - - | - | - | - | - | - - - | |
| 31 | PREPARED SPACE | - | 3 | - | 100 | - - - | |
| 32 | PREPARED SPACE | - | 3 | - | 100 | - - - | |
| 33 | - - - | - | - | - | - | - - - | |
| 34 | - - - | - | - | - | - | - - - | |
| 35 | - - - | - | - | - | - | - - - | |
| 36 | - - - | - | - | - | - | - - - | |
| 37 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 38 | SPD | - | 1 | - | 100 | - - - | |
| 39 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 40 | SPD | - | 1 | - | 100 | - - - | |
| 41 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 42 | SPD | - | 1 | - | 100 | - - - | |
| | TOTAL KVA: | 282.7 | | | | | |

PROVIDE [illegible] SURGE PROTECTION DEVICE FOR PANELBOARD [illegible]
[illegible] CIRCUIT [illegible] SPD CIRCUIT BREAKER [illegible] PROVIDE LOCK-OUT

## PANELBOARD DP-1

Class: | Type: AQ | Short Circuit Rating (Min.): 22 KAIC | Remark:
SERVICE: 120/208 Volts 3 Phase 4 Wire | S/C Label: NO
PANELBOARD CONFIGURATION: 225 AMPERE MAIN BUS, Trim: SURFACE | Entrance: TOP/BOTTOM | Equipment Ground Bus: YES
MAIN: Type: MLO, Wire Size: SEE RISER | Enclosure: NEMA 1
BRANCH CIRCUITS: Branch Protective Devices. (MOLDED CASE CIRCUIT BREAKERS)

| Cir No | Circuit Designation | KVA Load | Pole | Trip Amps | Frame Amps | Wire (min.) | See Remark |
|---|---|---|---|---|---|---|---|
| 1 | ELEVATOR | 19.7 | 3 | 40 | 100 | 1"C, 3-#8 AWG + #10 GND | |
| 2 | HP-1 | 10.9 | 3 | 30 | 100 | 1/2"C, 3-#8 AWG + #10 GND | |
| 3 | - - - | - | - | - | - | - - - | |
| 4 | - - - | - | - | - | - | - - - | |
| 5 | - - - | - | - | - | - | - - - | |
| 6 | AC-1, AC-2 & AC-3 | 5.9 | 2 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 7 | CP-1 | 4.4 | 2 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 8 | - - - | - | - | - | - | - - - | |
| 9 | - - - | - | - | - | - | - - - | |
| 10 | CP-2 | 5.8 | 2 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 11 | CP-3 | 1.8 | 2 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 12 | - - - | - | - | - | - | - - - | |
| 13 | - - - | - | - | - | - | - - - | |
| 14 | CP-4 | 1.8 | 2 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 15 | CP-5 | 1.7 | 2 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 16 | - - - | - | - | - | - | - - - | |
| 17 | - - - | - | - | - | - | - - - | |
| 18 | CP-6, CP-7 & CP-8 | 2.4 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 19 | BOILER B-1 | 2.4 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 20 | BOILER B-2 | 2.4 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 21 | ELEVATOR PIT/HOISTWAY | 1.5 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 22 | GFCI RECEPT - ROOF CU-1 | 0.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 23 | DEHUMIDIFIER | 1.6 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 24 | DEHUMIDIFIER | 1.3 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 25 | CUH-BSMT CORR H/ELEV [illegible] | 0.1 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 26 | CUH-BSMT CORR 2 | 0.1 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 27 | GFCI RECEPT - BSMT RESTROOMS | 2.4 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 28 | [illegible] - BSMT RESTROOMS | 3.2 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 29 | WATER COOLER - BASEMENT | 0.5 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 30 | RECEPT BSMT CORR/ELEV LOBBY | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 31 | GFCI RECEPT-MECH RMS/JANITOR | 0.6 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 32 | RECEPT - BSMT STORAGE RMS | 0.9 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 33 | GFCI RECEPT - ELECTRICAL RM | 0.7 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 34 | ROLLING GATE - MEETING RM | 0.8 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 35 | MEM. FIRE DOOR | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 36 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 37 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 38 | SPD | - | 1 | - | 100 | - - - | |
| 39 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 40 | SPD | - | 1 | - | 100 | - - - | |
| 41 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 42 | SPD | - | 1 | - | 100 | - - - | |
| | TOTAL KVA: | 37.4 | | | | | |

PROVIDE [illegible] SURGE PROTECTION DEVICE FOR PANELBOARD
[illegible] CIRCUIT [illegible] SPD CIRCUIT BREAKER [illegible] PROVIDE LOCK-OUT

## PANELBOARD DP-2

Class: | Type: AQ | Short Circuit Rating (Min.): 22 KAIC | Remark:
SERVICE: 120/208 Volts 3 Phase 4 Wire | S/C Label: NO
PANELBOARD CONFIGURATION: 125 AMPERE MAIN BUS, Trim: SURFACE | Entrance: TOP/BOTTOM | Equipment Ground Bus: YES
MAIN: Type: MLO, Wire Size: SEE RISER | Enclosure: NEMA 1
BRANCH CIRCUITS: Branch Protective Devices. (MOLDED CASE CIRCUIT BREAKERS)

| Cir No | Circuit Designation | KVA Load | Pole | Trip Amps | Frame Amps | Wire (min.) | See Remark |
|---|---|---|---|---|---|---|---|
| 1 | FIRE ALARM CONTROL PANEL | 0.6 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | † |
| 2 | ELEVATOR CAB CIRCUIT | 0.5 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 3 | WATER HEATER CONTROL CIRC. | 0.5 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 4 | HVAC CONTROLS | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 5 | HVAC CONTROLS | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 6 | HVAC CONTROLS | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 7 | BSMT RESTROOMS - CFA | 0.4 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 8 | AREA OF REFUGE SYSTEM | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 9 | 1ST FLOOR RESTROOMS - CFA | 0.8 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 10 | COUNTER RECEPT - STAFF | 1.5 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 11 | REFRIG. RECEPT - STAFF RM | 1.5 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 12 | COUNTER RECEPT - STAFF RM | 1.5 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 13 | RECEPT - STAFF RM | 0.8 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 14 | COPIER - STAFF RM | 1.0 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 15 | RECEPT - MEETING RM | 0.8 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 16 | RECEPT - MEETING RM | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 17 | RECEPT - MEETING RM COUNTER | 1.5 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 18 | RECEPT-MEETING [illegible] | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 19 | GFCI RECEPT - RESTROOMS | 0.4 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 20 | RECEPT-1ST FL CORR/VEST | 0.9 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 21 | FLOOR BOX - SMALL MEETING | 0.6 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 22 | RECEPT-SMALL MEETING/STOR | 0.6 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 23 | WATER COOLER - 1ST FL | 0.5 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 24 | ADULT READING FIREPLACES | 0.1 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | |
| 25 | AUTOMATIC DOOR OPENERS | 0.8 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | † |
| 26 | CCTV SYSTEM | 1.5 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | † |
| 27 | CARD ACCESS SYSTEM | 1.5 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | † |
| 28 | CARD ACCESS READERS | 0.2 | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | † |
| 29 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 30 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 31 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 32 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 33 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 34 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 35 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 36 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 37 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 38 | SPD | - | 1 | - | 100 | - - - | |
| 39 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 40 | SPD | - | 1 | - | 100 | - - - | |
| 41 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 42 | SPD | - | 1 | - | 100 | - - - | |
| | TOTAL KVA: | 24.2 | | | | | |

PROVIDE [illegible] SURGE PROTECTION DEVICE FOR PANELBOARD
[illegible] CIRCUIT [illegible] SPD CIRCUIT BREAKER [illegible] PROVIDE LOCK-OUT

## PANELBOARD DP-3

Class: | Type: AQ | Short Circuit Rating (Min.): [illegible] KAIC | Remark:
SERVICE: 120/208 Volts 3 Phase 4 Wire | S/C Label: NO
PANELBOARD CONFIGURATION: 225 AMPERE MAIN BUS, Trim: SURFACE | Entrance: TOP/BOTTOM | Equipment Ground Bus: YES
MAIN: Type: MLO, Wire Size: SEE RISER | Enclosure: NEMA 1
BRANCH CIRCUITS: Branch Protective Devices. (MOLDED CASE CIRCUIT BREAKERS)

| Cir No | Circuit Designation | KVA Load | Pole | Trip Amps | Frame Amps | Wire (min.) | See Remark |
|---|---|---|---|---|---|---|---|
| 1 | F/R BOXES/RECEPT-ADULT READ | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 2 | FLOOR BOXES - ADULT READ | 1.4 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 3 | FLOOR BOXES - ADULT READ | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 4 | FLOOR BOXES - ADULT READ | 1.4 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 5 | FLOOR BOXES - ADULT READ | 1.4 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 6 | FLOOR BOXES - ADULT READ | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 7 | FLOOR BOXES - ADULT READ | 0.8 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 8 | FLOOR BOXES - ADULT READ | 1.4 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 9 | FLOOR BOXES - ADULT READ | 1.4 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 10 | FLOOR BOXES - STUDY | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 11 | FLOOR BOXES - STUDY | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 12 | F/R BOX/RECEPT - STUDY | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 13 | FLOOR BOXES - STUDY | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 14 | FLOOR BOXES - STUDY | 0.8 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 15 | FLOOR BOXES - TEEN | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 16 | FLOOR BOXES - TEEN | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 17 | FLOOR BOXES - TEEN | 1.0 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 18 | FLOOR BOX/RECEPT - TEEN | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 19 | RECEPT - TEEN | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 20 | RECEPT - MANAGERS | 1.0 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 21 | RECEPT - CHILDRENS READING | 1.0 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 22 | RECEPT - CHILDRENS READING | 0.8 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 23 | FLOOR BOXES - MARKET PLACE | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 24 | FLOOR BOXES/RECEPT-MARKET | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 25 | COPIER/RECEPT-MARKET | 1.2 | 1 | 20 | 100 | 1/2"C, 3-#12 AWG | |
| 26 | GFCI RECEPT - RESTROOMS | 0.4 | 1 | 20 | 100 | 1/2"C, 3-#12 AWG | |
| 27 | RECEPT - CHILDRENS ROOM | 1.0 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 28 | COPIER - CHILDRENS ROOM | 1.0 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 29 | FLOOR BOX/RECEPT-CHILDRENS | 1.2 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 30 | FLOOR BOXES - CHILDRENS | 1.0 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 31 | FLOOR BOXES - CHILDRENS | 1.4 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 32 | FLOOR BOXES - CHILDRENS | 0.8 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 33 | FLOOR BOX - TEEN | 0.4 | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 34 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 35 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 36 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 37 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 38 | SPD | - | 1 | - | 100 | - - - | |
| 39 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 40 | SPD | - | 1 | - | 100 | - - - | |
| 41 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 42 | SPD | - | 1 | - | 100 | - - - | |
| | TOTAL KVA: | 36.3 | | | | | |

PROVIDE [illegible] SURGE PROTECTION DEVICE FOR PANELBOARD
[illegible] CIRCUIT [illegible] SPD CIRCUIT BREAKER [illegible] PROVIDE LOCK-OUT

## PANELBOARD DP-4

Class: | Type: AQ | Short Circuit Rating (Min.): 22 KAIC | Remark:
SERVICE: 120/208 Volts 3 Phase 4 Wire | S/C Label: NO
PANELBOARD CONFIGURATION: 125 AMPERE MAIN BUS, Trim: SURFACE | Entrance: TOP/BOTTOM | Equipment Ground Bus: YES
MAIN: Type: MLO, Wire Size: SEE RISER | Enclosure: NEMA 1
BRANCH CIRCUITS: Branch Protective Devices. (MOLDED CASE CIRCUIT BREAKERS)

| Cir No | Circuit Designation | KVA Load | Pole | Trip Amps | Frame Amps | Wire (min.) | See Remark |
|---|---|---|---|---|---|---|---|
| 1 | LTG - ADULT READ PERIMETER | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 2 | LTG - ADULT READ DOWNLIGHTS | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 3 | LTG - TEEN/STUDY ROOMS | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 4 | LTG-CHILDRENS/CHILDRENS READ | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 5 | LTG-MARKET/INTG/COMM/ENTRY | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 6 | LTG-MEET RM/1ST FL RESTRMS | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 7 | LTG - ELEC/TELE/DATA/STOR | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 8 | LTG-STAFF/MECH/BSMT REST RM | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 9 | LTG - BSMT CORR/TEEN LOBBY | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 10 | PROJECTOR/SCREEN - MEETING | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 11 | PROJECT/SCREEN-SMALL MEET | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 12 | PROJECT/SCREEN-CHILD READ | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 13 | LTG SCREEN - MARKET PLACE | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 14 | LTG - EXTERIOR CANOPY | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 15 | LTG - FLAG POLE | [illegible] | 1 | 15 | 100 | 1/2"C, 2-#12 AWG | † |
| 16 | QUAD RECEPT - DATA RACK | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 17 | QUAD RECEPT - DATA RACK | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 18 | QUAD RECEPT - DATA RACK | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 19 | QUAD RECEPT - PHONE RACK | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 20 | RECEPT - TLE/DATA RM | [illegible] | 1 | 20 | 100 | 1/2"C, 2-#12 AWG | |
| 21 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 22 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 23 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 24 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 25 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 26 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 27 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 28 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 29 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 30 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 31 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 32 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 33 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 34 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 35 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 36 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 37 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 38 | SPD | - | 1 | - | 100 | - - - | |
| 39 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 40 | SPD | - | 1 | - | 100 | - - - | |
| 41 | PREPARED SPACE | - | 1 | - | 100 | - - - | |
| 42 | SPD | - | 1 | - | 100 | - - - | |
| | TOTAL KVA: | 25.8 | | | | | |

PROVIDE [illegible] SURGE PROTECTION DEVICE FOR PANELBOARD
[illegible] CIRCUIT [illegible] SPD CIRCUIT BREAKER [illegible] PROVIDE LOCK-OUT

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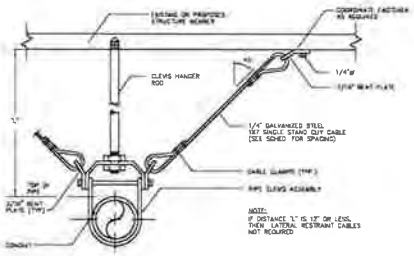
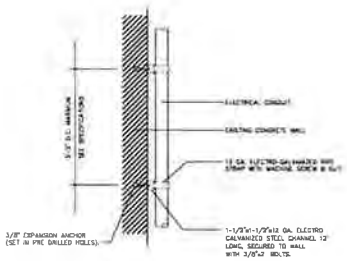
PANELBOARD SCHEDULES

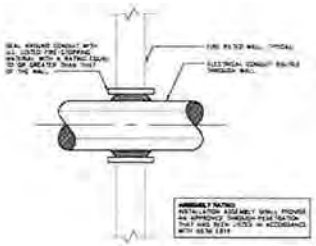
E-403



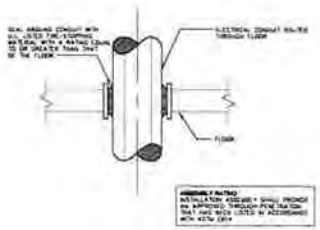
TYPICAL SEISMIC RESTRAINT ASSEMBLY OF SUSPENDED CONDUIT
SCALE: N.T.S.



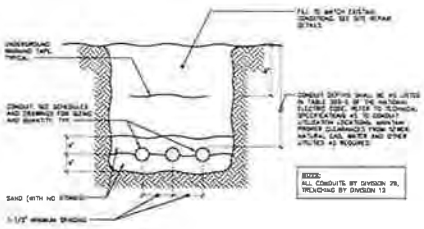
TYPICAL VERTICAL CONDUIT SUPPORT DETAIL
SCALE: N.T.S.



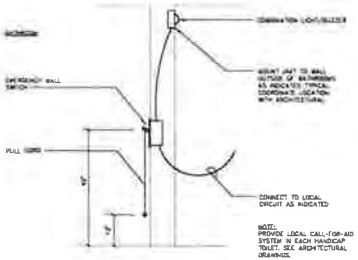
TYPICAL CONDUIT WALL PENETRATION DETAIL (UL XHEX C-AJ-1008)
SCALE: N.T.S.



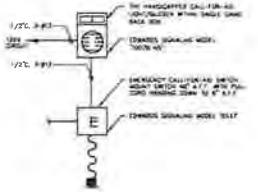
TYPICAL CONDUIT FLOOR PENETRATION DETAIL (UL XHEX C-AJ-1008)
SCALE: N.T.S.



TYPICAL TRENCH DETAIL
SCALE: N.T.S.



CALL-FOR-AID DETAIL
SCALE: N.T.S.



CALL-FOR-AID DETAIL
SCALE: N.T.S.

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ELECTRICAL DETAILS

E-501

## INTERIOR LIGHT FIXTURE SCHEDULE

| LTG CODE | DESCRIPTIONS | VOLTS | CATALOG NO./ MANUFACTURER | MOUNTING | LAMP (L.E. OR EQUAL) |
|---|---|---|---|---|---|
| "W" | 2'x4' LED ENCLOSED LINEAR LUMINAIRE ACRYLIC DIFFUSER 4000 NOMINAL LUMEN OUTPUT 35K COLOR WHITE FINISH FIVE YEAR WARRANTY UL LISTED | UNV | LSA-4-4000-35K HTA S30-UNI<br>MERCURY LIGHTING PRODUCTS | CEILING/ PENDANT | LED |
| "W1" | FIXTURE TYPE "W" WITH 7W EMERGENCY DRIVER | UNV | [illegible]<br>MERCURY LIGHTING PRODUCTS | CEILING/ PENDANT | LED |
| "P2" | 18" DIA BY 17.5" H STEM MOUNTED 25W LED LUMINAIRE FINISH COLOR AND STEM LENGTH BY ARCHITECT UL LISTED. | 120 | SCFS18 XX-25W LED STAA<br>BASELITE | CEILING/ PENDANT | LED |
| "P3" | 33" DECORATIVE PENDANT 18W LED DRIVER OPAL ACRYLIC DIFFUSER FINISH BY ARCHITECT 35K COLOR STEM LENGTH BY ARCHITECT UL LISTED | UNV | AP8460-LB8W-XX 120-3500K<br>SPI LIGHTING | CEILING/ PENDANT | LED |
| "R" | 2'X2' RECESSED LED LENSED TROFFER WHITE ACRYLIC DIFFUSER 4500 NOMINAL LUMEN OUTPUT 40K CCT 80 CRI 10% DIMMING WHITE FINISH FIVE YEAR WARRANTY UL LISTED | UNV | [illegible]<br>PHILIPS DAYBRITE | CEILING/ RECESSED | LED |
| "R1C" | FIXTURE TYPE "R" WITH 1100 LUMEN EMERGENCY DRIVER | UNV | 2FTG45LB40-2-D-UNV-DIM EMLED<br>PHILIPS DAYBRITE | CEILING/ RECESSED | LED |
| "R1A" | 2'X2' RECESSED LED LENSED TROFFER SOFT WHITE ACRYLIC DIFFUSER 4800 NOMINAL LUMEN OUTPUT 35K CCT 80 CRI 10% DIMMING 0-10V CONTROL WHITE FINISH FIVE YEAR WARRANTY UL LISTED | UNV | [illegible]<br>MARK LIGHTING | CEILING/ RECESSED | LED |
| "R1AC" | FIXTURE TYPE "R1A" WITH 10W EMERGENCY DRIVER | UNV | [illegible]<br>MARK LIGHTING | CEILING/ RECESSED | LED |
| "R2" | 2'X4' RECESSED LED LENSED TROFFER WHITE ACRYLIC DIFFUSER 5400 NOMINAL LUMEN OUTPUT 35K COLOR 80 CRI 10% DIMMING WHITE FINISH FIVE YEAR WARRANTY UL LISTED | UNV | 2FTG54LB35-4-D-UNV-DIM<br>PHILIPS DAYBRITE | CEILING/ RECESSED | LED |
| "R2C" | FIXTURE TYPE "R2" WITH 1100 LUMEN EMERGENCY DRIVER | UNV | 2FTG54LB35-4-D-UNV-DIM EMLED<br>PHILIPS DAYBRITE | CEILING/ RECESSED | LED |
| "R2A" | 2'X4' RECESSED LED LENSED TROFFER SOFT WHITE ACRYLIC DIFFUSER 4800 NOMINAL LUMEN OUTPUT 35K CCT 80 CRI 10% DIMMING 0-10V CONTROL WHITE FINISH FIVE YEAR WARRANTY UL LISTED | UNV | [illegible]<br>MARK LIGHTING | CEILING/ RECESSED | LED |
| "R3" | 3.5" LOW PROFILE LED DOWNLIGHT ROUND OVERLAP TRIM 60 DEGREE CUT-OFF REFLECTOR WIDE FLOOD CLEAR DIFFUSE 1500 NOMINAL LUMEN OUTPUT 35K CCT 80 CRI 10% DIMMING 0-10V CONTROL COLOR BY ARCHITECT FIVE YEAR WARRANTY UL LISTED | 120 | [illegible]<br>FOCAL POINT | CEILING/ RECESSED | LED |
| "R3C" | FIXTURE TYPE "R3" WITH 7W EMERGENCY DRIVER | 120 | [illegible]<br>FOCAL POINT | CEILING/ RECESSED | LED |
| "R3A" | 3.5" LOW PROFILE LED DOWNLIGHT ROUND OVERLAP TRIM 60 DEGREE CUT-OFF REFLECTOR WIDE FLOOD, CLEAR DIFFUSE 1100 NOMINAL LUMEN OUTPUT, 35K CCT 80 CRI 10% DIMMING 0-10V CONTROL COLOR BY ARCHITECT FIVE YEAR WARRANTY UL LISTED | 120 | [illegible]<br>FOCAL POINT | CEILING/ RECESSED | LED |
| "R3AC" | FIXTURE TYPE "R3A" WITH 7W EMERGENCY DRIVER | 120 | FLCSD-RD-1100L-120-LD1-T-8H-EMR-LC3-RD 1100L 35K DNS-WFL-CD-XX<br>FOCAL POINT | CEILING/ RECESSED | LED |
| "R4A" | 6" LOW PROFILE LED DOWNLIGHT ROUND OVERLAP TRIM 80 DEGREE CUT-OFF REFLECTOR WIDE FLOOD CLEAR DIFFUSE 1000 NOMINAL LUMEN OUTPUT 35K CCT 80 CRI 10% DIMMING 0-10V CONTROL COLOR BY ARCHITECT FIVE YEAR WARRANTY UL LISTED | 120 | [illegible]<br>FOCAL POINT | CEILING/ RECESSED | LED |
| "R4AC" | FIXTURE TYPE "R4A" WITH 7W EMERGENCY DRIVER | 120 | [illegible]<br>FOCAL POINT | CEILING/ RECESSED | LED |
| "R4C" | 6" LOW PROFILE LED DOWNLIGHT ROUND OVERLAP TRIM 80 DEGREE CUT-OFF REFLECTOR WIDE FLOOD CLEAR DIFFUSE 1500 NOMINAL LUMEN OUTPUT 35K CCT 80 CRI 10% DIMMING 0-10V CONTROL 7W EMERGENCY DRIVER COLOR BY ARCHITECT FIVE YEAR WARRANTY UL LISTED | 120 | [illegible]<br>FOCAL POINT | CEILING/ RECESSED | LED |
| "S1" | 18" DIA BY 17.5" H FLUSH MOUNTED 25W LED LUMINAIRE FINISH COLOR BY ARCHITECT UL LISTED | 120 | SCFS18-XX-25W LED-FM<br>BASELITE | CEILING/ SURFACE | LED |
| "S3" | 4.5" DIA BY 6.5" H DEEP CANOPY LED LUMINAIRE 0-10V DIMMING 3000 NOMINAL LUMEN OUTPUT CRI 83, 35K CCT 80 DEGREE REFLECTOR SHELL FINISH COLOR BY ARCHITECT UL LISTED DAMP | 120 | C3SM DVD 30635360-XX<br>[illegible] | CEILING/ SURFACE | LED |
| "W1" | 3'H X 4.5"H X 38" DIRECT/INDIRECT WALL MOUNTED LED LUMINAIRE, 825 LUMENS/FT DIRECT AND 825 LUMENS/FT INDIRECT CRI 80, 35K CCT ACRYLIC DIFFUSER UL LISTED | 120 | [illegible]<br>MERCURY ARCHITECTURAL LIGHTING | WALL/ SURFACE | LED |
| "W2" | GASKETED VAPOR TIGHT DIE CAST ALUMINUM LED FIXTURE WITH GLOBE AND GUARD 670 LUMEN OUTPUT 5000K COLOR TEMP. R POWDER FINISH 5 YEAR WARRANTY UL LISTED WET LOCATIONS | UNV | TLED8D4-20-V5 1w<br>TRACE LITE | WALL/ SURFACE | LED |
| "W3" | [illegible] | 120 | TBD<br>TBD | EXTERIOR/ SURFACE | LED |
| "X" | LED EXIT SIGN RED LETTERING CHEVRONS LOW ENERGY CONSUMPTION 90 MINUTE MAINTENANCE FREE BATTERY, 5 YEAR WARRANTY UL LISTED | UNV | TBD<br>TBD | UNIVERSAL | LED |

## CALL FOR AID SYMBOL LIST

| | |
|---|---|
| E | EMERGENCY CALL DEVICE |
| | EMERGENCY CALL FOR AID LIGHT/HORN |

## ELECTRICAL ABBREVIATIONS

| | |
|---|---|
| A | AMP(ERE) |
| A.F.F. | ABOVE FINISHED FLOOR |
| AWG | AMERICAN WIRE GAUGE |
| C | CONDUIT |
| CIR | CIRCUIT |
| E | EMERGENCY |
| FA | FIRE ALARM |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL |
| FACP | FIRE ALARM CONTROL PANEL |
| G | GROUNDED |
| HP | HORSEPOWER |
| KAIC | INTERRUPTING CAPACITY (KILOAMPERE) |
| KVA | KILOVOLT AMPERE |
| KW | KILOWATT |
| NEC | NATIONAL ELECTRIC CODE |
| NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASS. |
| P | POLE |
| UL | UNDERWRITERS LABORATORY |
| UTIL | UTILITY |
| V | VOLTS |
| VA | VOLT AMPERES |
| W | WATTS |
| # | WIRE SIZE IN AWG OR MCM WHEN INDICATED |

## FIRE ALARM SYMBOL LIST

| | |
|---|---|
| S | ADDRESSABLE SMOKE DETECTOR |
| H | ADDRESSABLE HEAT DETECTOR |
| K | KNOX BOX |
| M | ADDRESSABLE MODULE |
| F | MANUAL PULL STATION MOUNT 48" A.F.F. |
| FACP | FIRE ALARM CONTROL PANEL |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL |
| | HORN/STROBE - MOUNT 7'-8" A.F.F. SS SPEAKER/STROBE WP WEATHERPROOF |
| | STROBE - MOUNT 7'-8" A.F.F. |
| | HORN/STROBE - CEILING MOUNTED SS SPEAKER/STROBE WP WEATHERPROOF |
| | STROBE - CEILING MOUNTED WP WEATHERPROOF |
| $S_D$ | ADDRESSABLE DUCT MOUNTED SMOKE DETECTOR DS SUPPLY DUCT DR RETURN DUCT |
| $S_E$ | ADDRESSABLE ELEVATOR RECALL SMOKE DETECTOR |

## ELECTRICAL SYMBOL LIST

| | |
|---|---|
| | CEILING OR WALL MOUNTED EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED ON PLANS |
| | EXIT SIGN SHADING INDICATES LIGHTED FACE |
| | DUPLEX RECEPTACLE<br>GFCI - GROUND FAULT CIRCUIT INTERRUPTER<br>IG - ISOLATED GROUND<br>WP - WEATHERPROOF<br>L - LOCKABLE COVER |
| | AUTOMATIC DOOR OPENER |
| | CARD ACCESS READER |
| | SPECIAL PURPOSE CONNECTION |
| $ | SWITCH<br>(NONE) - SINGLE POLE<br>2 - TWO POLE<br>3 - THREE WAY<br>4 - FOUR WAY<br>D - DIMMER<br>TOL - THERMAL OVERLOAD PROTECTION DEVICE<br>K - KEYED<br>K3 - KEYED 3 WAY<br>LK - KEYED LOW VOLTAGE<br>LK3 - KEYED 3 WAY LOW VOLTAGE<br>OS - OCCUPANCY SENSOR |
| | DISCONNECT SWITCH |
| | COMBINATION TELEPHONE/DATA OUTLET |
| | DATA OUTLET |
| | CABLE TV OUTLET |
| | FLOOR BOX (REFER TO SCHEDULE FOR REQUIREMENTS) |
| | INTRUSION DOOR CONTACT |
| GB | INTRUSION GLASS BREAK SENSOR |
| MD | INTRUSION WALL MOUNTED MOTION DETECTOR |
| | INTRUSION CEILING MOUNTED MOTION DETECTOR |
| | SECURITY CAMERA |
| | SECURITY CAMERA WITHIN WEATHERPROOF DOME |
| | DOOR RELEASE |
| | AUTOMATIC DOOR OPENER SWITCH W/ HANDICAP LOGO |
| | CEILING MOUNTED OCCUPANCY SENSOR |
| | CEILING MOUNTED DAYLIGHT SENSOR |
| 1LP1 2 | BRANCH CIRCUIT HOMERUN (ARROWS INDICATE CIRCUIT NUMBERS) |

## ELECTRICAL GENERAL NOTES

1. SEE SPECIFICATIONS, DIVISION 26 ELECTRICAL.
2. PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT
3. ELECTRICAL PLANS AND DETAILS AND ONE LINE DIAGRAMS SHOW THE GENERAL LOCATION AND ARRANGEMENT OF THE ELECTRICAL SYSTEM. THEY ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT BODIES, CONNECTORS, BENDS, FITTINGS, HANGERS AND ADDITIONAL PULL AND JUNCTION BOXES
4. PROVIDE BUILDING FIRE ALARM SYSTEM.
5. ALL EQUIPMENT AND MATERIAL SHALL BE LABELED, LISTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTING.
6. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES
7. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES
8. THE DEFINITION OF ELECTRICAL TERMS USED SHALL BE AS DEFINED IN THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC WITH CT AMENDMENTS
9. THE TERM "INDICATED" SHALL MEAN "AS SHOWN ON CONTRACT DOCUMENTS (SPECIFICATIONS DRAWINGS AND RELATED ATTACHMENTS)"
10. THE TERM "PROVIDE" SHALL MEAN "TO FURNISH INSTALL AND CONNECT COMPLETELY"
11. THE TERM "SIZE" SHALL MEAN ONE OR MORE OF THE FOLLOWING "LENGTH CURRENT AND VOLTAGE RATING NUMBER OF POLES, NEMA SIZE AND OTHER SIMILAR ELECTRICAL CHARACTERISTICS"
12. THE TERM "SPACE" ON PANELBOARD AND SWITCHBOARD SCHEDULES SHALL MEAN "PROVIDE SPACE TO INSTALL THE NUMBER OF POLES AND SIZE OF THE PROTECTIVE DEVICE INDICATED WITH ALL NECESSARY BUS AND FITTINGS TO INSTALL THE DEVICE AT SOME FUTURE DATE"
13. ELECTRICAL PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS VISIBLE AND/OR HIDDEN, THAT MAY EXIST, THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK
14. COORDINATE ELECTRICAL WORK WITH OWNER
15. COORDINATE ELECTRICAL WORK WITH OTHER DIVISIONS OF THIS PROJECT
16. TURN OVER TO THE OWNER ALL MANUFACTURERS WARRANTIES FOR EQUIPMENT AND MATERIAL PROVIDED.
17. UNLESS OTHERWISE INDICATED, ALL ELECTRICAL EQUIPMENT HAS BEEN BASED ON GENERAL ELECTRIC PRODUCTS
18. THE CONTRACTOR MAY SUBSTITUTE EQUIPMENT OF ANOTHER MANUFACTURER IF IT IS OF EQUAL QUALITY AND RATING, SUBJECT TO OWNER'S AND ENGINEER'S REVIEW AND ACCEPTANCE
19. UNLESS OTHERWISE INDICATED ALL ENCLOSURES FOR EQUIPMENT PROVIDED SHALL BE NEMA TYPE 1
20. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS TO BE COPPER THHN/THWN-2
21. UNLESS OTHERWISE INDICATED ALL OUTLET AND SWITCH BOXES TO BE CAST IRON WITH THREADED HUBS
22. IN INTERIOR PROTECTED LOCATIONS, OUTLET AND SWITCH BOXES MAY BE STEEL
23. UNLESS OTHERWISE INDICATED PROVIDE HEAVY DUTY GRADE 20 AMPERE RECEPTACLES AND SWITCHES. ALL PLATES IN FINISHED AREAS TO BE BRUSHED STAINLESS STEEL. PLATES FOR SURFACE MOUNTED INTERIOR BOXES MAY BE STAMPED STEEL. PLATES EXPOSED TO WEATHER OR WATER TO BE GASKETED WEATHERPROOF TYPE. COLOR BY ARCHITECT
24. BEFORE SELECTING MATERIAL AND EQUIPMENT AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT, CLEARANCES AND INTERCONNECTIONS
25. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES
26. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ANSI/NFPA 70
27. THE MEASUREMENT FROM ABOVE FINISHED FLOOR (AFF) SHALL BE TAKEN FROM THE FINISHED FLOOR SURFACE TO THE TOP OF WALL RECEPTACLES AND SWITCH BOXES, TO THE CENTER LINE OF WALL LIGHTING OUTLET BOXES TO THE TOP OF WALL MOUNTED EQUIPMENT ENCLOSURES, TO THE CENTER LINE OF THE TOP MOST SWITCH HANDLE OR TO THE LOWEST SURFACE OF CEILING LIGHTING FIXTURES OTHER CEILING MOUNTED EQUIPMENT
28. UNLESS OTHERWISE INDICATED ALL CONDUCTORS ARE NO. 12 AWG.
29. CONDUIT SIZE FOR INDICATED CONDUCTORS SHALL BE BASED ON CHAPTER 9 OF NEC
30. THE CONTRACTOR MAY GROUP BRANCH CIRCUIT HOME RUN CONDUCTORS IN A SINGLE RACEWAY IN ACCORDANCE WITH NEC ARTICLE 300-17, AND ARTICLE 310, NOTE 8 OF NOTES TO TABLES 310-16 THROUGH 310-19
31. ALL BLANK COVER PLATES TO BE STAINLESS STEEL
32. PROVIDE TRENCHING, SAND AND BACKFILL FOR ALL UNDERGROUND TELEPHONE, CABLE TV AND ELECTRICAL CONDUIT AND WIRING AS REQUIRED.
33. PROVIDE METER SOCKET AND SERVICE ENTRANCE EQUIPMENT ACCEPTABLE TO LOCAL POWER COMPANY
34. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOCAL POWER COMPANY CHARGES FOR ELECTRICAL SERVICE INSTALLATION
35. PROVIDE TEMPORARY ELECTRICAL SERVICE DURING CONSTRUCTION
36. CONSTRACTOR SHALL BE RESPONSIBLE FOR ENERGY BILLS DURING CONSTRUCTION
37. WALL SWITCH BOXES SHALL BE MOUNTED 48 INCHES A.F.F. RECEPTACLES SHALL BE MOUNTED 18 INCHES A.F.F.
38. COORDINATE TELEPHONE SERVICE INSTALLATION WITH LOCAL TELEPHONE COMPANY
39. COORDINATE CABLE INSTALLATION WITH LOCAL CABLE COMPANY
40. PROVIDE WIRING AND OUTLETS FOR TELEPHONE SERVICE. ALL WORK IN ACCORDANCE WITH LOCAL TELEPHONE COMPANY REQUIREMENTS
41. PROVIDE WIRING AND OUTLETS FOR CABLE SERVICE. ALL WORK IN ACCORDANCE WITH LOCAL CABLE COMPANY REQUIREMENTS.
42. PROVIDE ELECTRICAL WIRING TO ALL APPLIANCES AND MECHANICAL EQUIPMENT
43. ALL MANUFACTURER'S WARRANTIES FOR EQUIPMENT AND MATERIALS PROVIDED TO BE TURNED OVER TO THE OWNER


ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

SALAMONE & ASSOCIATES, P.C.
CONSULTING ENGINEERS
118 North Plains Industrial Road
Wallingford, Connecticut 06492
Phone (203) 235-9685 Fax (203) 237-0723


BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ELECTRICAL SCHEDULES NOTES SYMBOLS AND ABBREVIATIONS

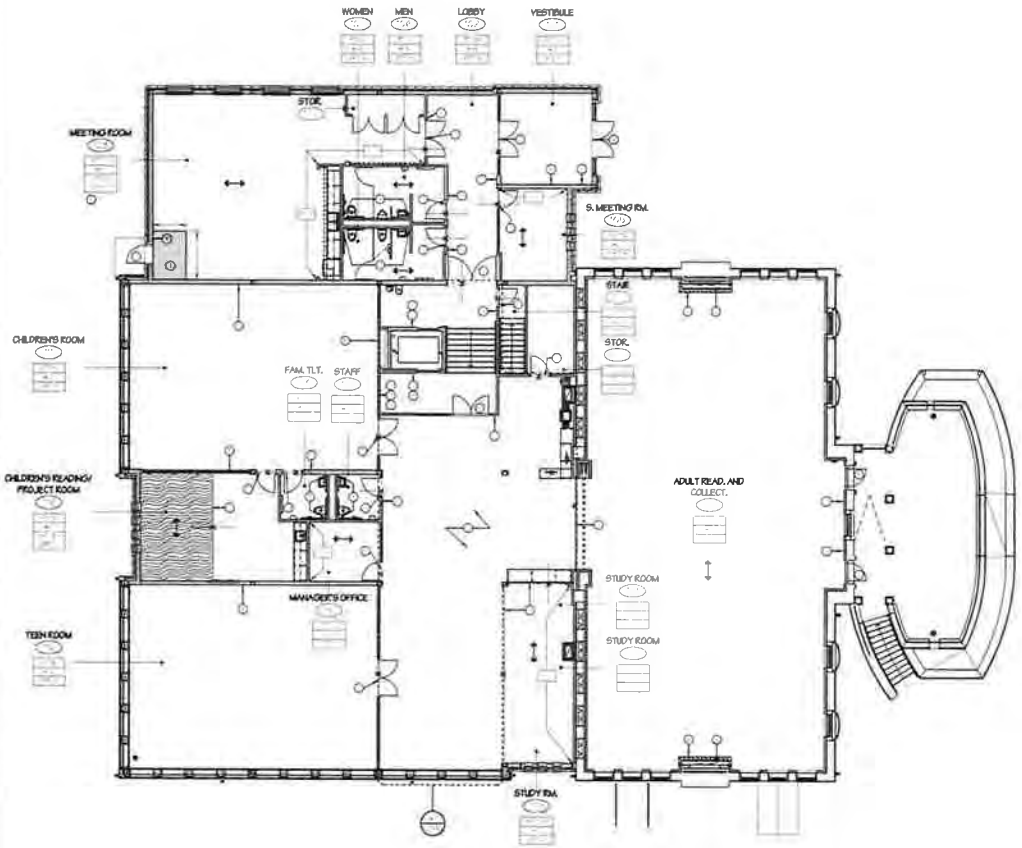
E-601

## FINISH NOTES

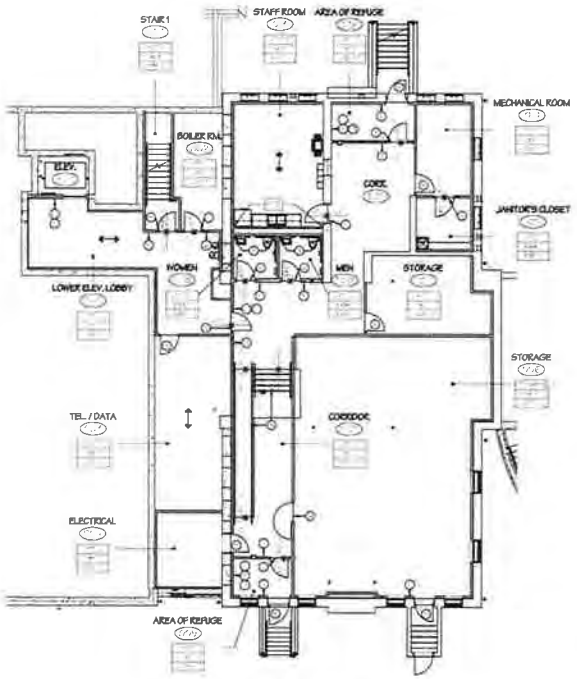
1. INTERIOR WALL-OFF UNIT SHALL BE RECESSED IN 3 SIDES.
2. WALLS BEYOND OVERHEAD GRILLE DOOR SHALL BE PAINTED (FT-7).
3. REFER TO ENLARGED COLLECTION PLANS ON A-601 FOR TYPICAL WET WALL TILE ELEVATIONS.
4. ACOUSTICAL PANELS (AP) ALONG WALL. REFER TO ELEVATIONS & FINISH LEGEND FOR CONFIGURATIONS AND MATERIALS.
5. SEE THRESHOLD DETAILS ON SHEET A-[illegible].
6. SEE THRESHOLD DETAIL. EPOXY FLOORING CHECKED ON PLAN.
7. SEE FINISH DETAIL. TYPICAL SEAM READING ON PLAN.
8. SEE TRANSITION DETAIL. RESILIENT FLOORING TO PORCELAIN FLOOR TILE (TES-1)
9. SEE TRANSITION DETAIL. CARPET TO PORCELAIN FLOOR TILE (TES-2)
10. SEE TRANSITION DETAIL. SEALED CONCRETE TO PORCELAIN FLOOR TILE (TES-3)
11. SEE TRANSITION DETAIL. SEALED CONCRETE TO RESILIENT FLOORING (TES-4)
12. SEE TRANSITION DETAIL. CARPET TO RESILIENT FLOORING (TES-5)
13. SEE TRANSITION DETAIL. CARPET TO RESILIENT FLOORING (TES-5A)
14. TILE PATTERN TO CONTINUE DOWN RISER & TREAD.
15. SEALED CONCRETE (SCP-2) ON SURFACE OF TREADS & RAMP.
16. EXISTING FIREPLACE MANTLE PANELS SHALL BE REFORMED & RESEALED
17. EXISTING FIREPLACE BRICK HEARTH SHALL BE REFORMED & SEALED.
18. EXISTING GULF (~12"-0"W x ~5"-0"H) TO BE CONTINUED ON WALL. COORDINATE WITH OWNER.
19. SEE ENLARGED FINISH FLOOR PLAN (FI-[illegible]) FOR TILE PATTERN & DETAILS.

## GENERAL FINISH NOTES

[illegible]




FIRST FLOOR FINISH PLAN




BASEMENT FLOOR FINISH PLAN

ANTINOZZI ASSOCIATES

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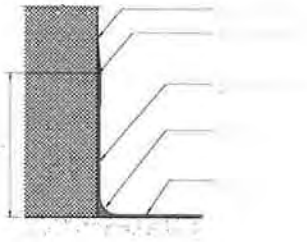
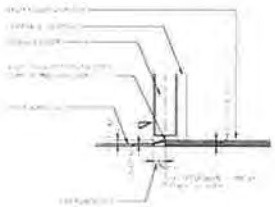
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

BASEMENT AND FIRST FLOOR FINISH PLAN

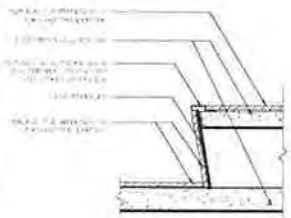
FI-101



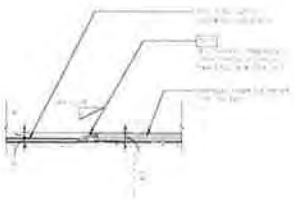
D1 TYPICAL 6" EPOXY COVE BASE



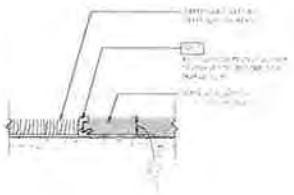
D2 EPOXY FLOORING THRESHOLD DETAIL



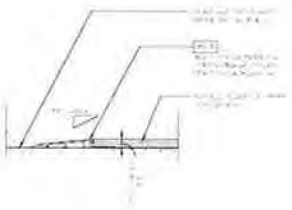
C1 TYPICAL STAIR TREAD NOSING DETAIL



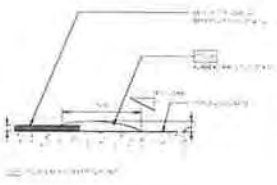
C2 RESILIENT FLOORING TO PORCELAIN FLOOR TILE



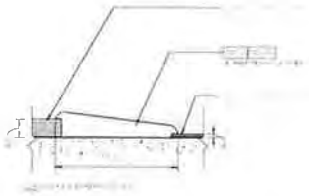
B1 CARPET TO PORCELAIN FLOOR TILE



B2 SEALED CONCRETE TO PORCELAIN FLOOR TILE



A1 SEALED CONCRETE TO RESILIENT FLOORING



A2 CARPET TO RESILIENT FLOORING

ACOUSTICAL PANELS

ACOUSTICAL PANELS (DEDUCT. ALT.)

BASE

CARPET

CEILING

CERAMIC WALL TILE

COAT RACK

EPOXY RESIN BASE

EPOXY RESIN FLOORING

FOOT GRILLE

HANGING DISPLAY

LOCKERS

LUXURY VINYL TILE

PAINT

PLASTIC LAMINATE

PORCELAIN FLOOR TILE

RUBBER FLOORING

SEALED CONCRETE FLOORING

SOLID SURFACE FINISH

TOILET PARTITION

TRANSITION STRIP

VINYL HOMOGENEOUS TILE

WALK OFF MAT

WINDOW TREATMENT

WINDOW TREATMENT (DEDUCT ALT.)

WOOD FINISH

ANTINOZZI ASSOCIATES

ARCHITECTURE + INTERIORS

REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS / ADDITION

755 CENTRAL AVENUE

BRIDGEPORT, CONNECTICUT

FINISH SCHEDULE AND DETAILS

AFM

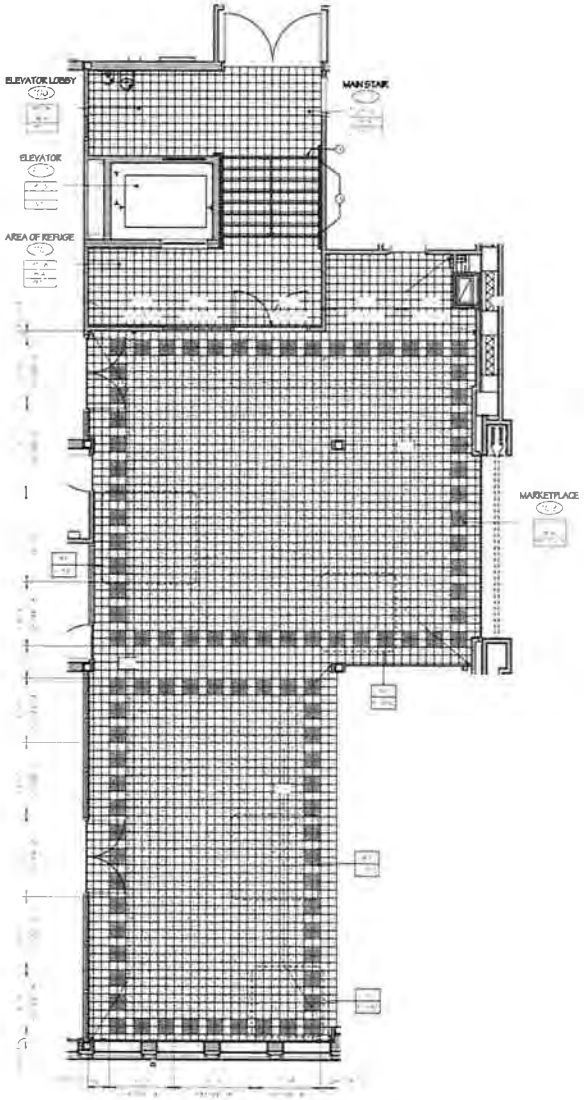
FI-901

17 JANUARY 2018

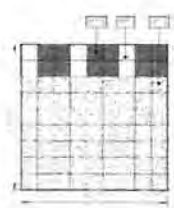
## FINISH NOTES

1. INTERIOR WALK-OFF MAT SHALL BE RECESSED INTO SLAB.
2. WALLS BEYOND OVERHEAD GRILLE DOOR SHALL BE PAINTED (PT-7).
3. REFER TO ENLARGED TOILET ROOM PLANS ON A-601 FOR TYPICAL WET WALL TILE ELEVATIONS.
4. ACOUSTICAL PANELS (AP) ALONG WALL. REFER TO ELEVATIONS & PARTIALS FOR CONFIGURATIONS AND MATERIALS.
5. SEE THRESHOLD DETAILS ON SHEET A-602.
6. SEE THRESHOLD DETAIL: EPOXY FLOORING THRESHOLD ON A-603.
7. SEE FINISH DETAIL: TYPICAL BRAKE SEAD MOBING ON FI-601.
8. SEE TRANSITION DETAIL: RESILIENT FLOORING TO PORCELAIN FLOOR TILE (TRS-1)
9. SEE TRANSITION DETAIL: CARPET TO PORCELAIN FLOOR TILE (TRS-2)
10. SEE TRANSITION DETAIL: SEALED CONCRETE TO PORCELAIN FLOOR TILE (TRS-3)
11. SEE TRANSITION DETAIL: SEALED CONCRETE TO RESILIENT FLOORING (TRS-4)
12. SEE TRANSITION DETAIL: CARPET TO RESILIENT FLOORING (TRS-5)
13. SEE TRANSITION DETAIL: CARPET TO RESILIENT FLOORING (TRS-5A)
14. TILE PATTERN TO CONTINUE DOWN RISER & TREAD.
15. SEALED CONCRETE (SCF-2) ON SURFACE OF TREADS & RAMP.
16. EXISTING FIREPLACE MARBLE PANELS SHALL BE RESTORED & RESEALED.
17. EXISTING FIREPLACE BRICK HEARTH SHALL BE RESTORED & SEALED.
18. EXISTING GULF (~12"-0"W x ~5"-0"H) TO BE CENTERED ON WALL, COORDINATE WITH OWNER.
19. SEE ENLARGED FINISH FLOOR PLAN (FI-930) FOR TILE PATTERNS & DETAILS.

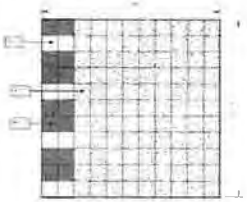
## GENERAL FINISH NOTES



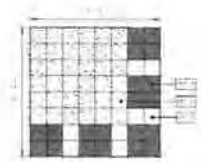

A1 FIRST FLOOR FINISH PLAN



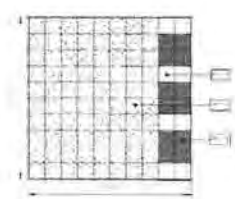
B2 ENLARGED MARKETPLACE FINISH FLOOR PLAN - PATTERN C



B3 ENLARGED MARKETPLACE FINISH FLOOR PLAN - PATTERN D



A2 ENLARGED MARKETPLACE FINISH FLOOR PLAN - PATTERN A



A3 ENLARGED MARKETPLACE FINISH FLOOR PLAN - PATTERN B

ANTINOZZI ASSOCIATES

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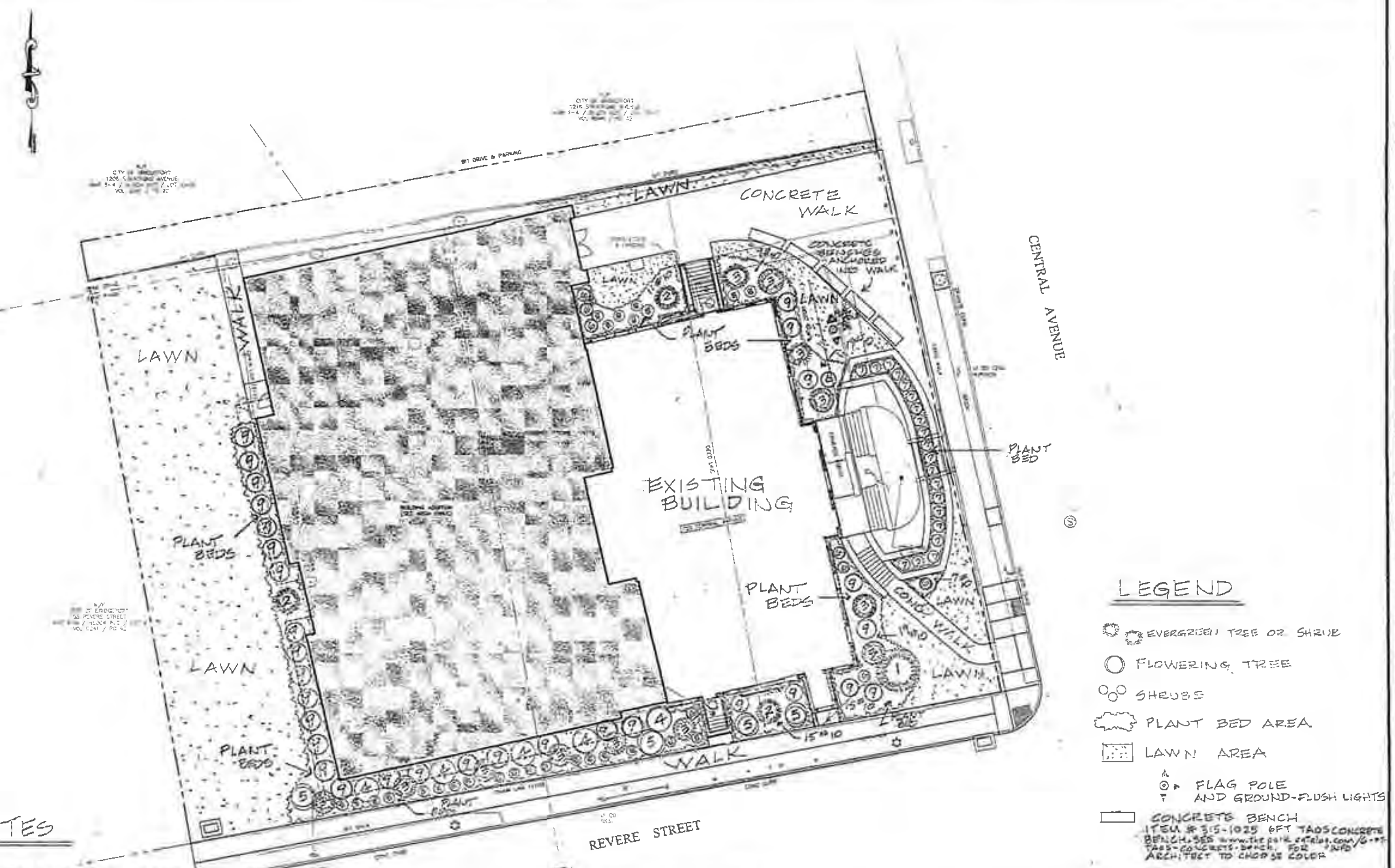
NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

ENLARGED MARKETPLACE FINISH FLOOR PLAN & DETAILS

FI-930




## LEGEND

- EVERGREEN TREE OR SHRUB
- FLOWERING TREE
- SHRUBS
- PLANT BED AREA
- LAWN AREA
- FLAG POLE AND GROUND-FLUSH LIGHTS
- CONCRETE BENCH ITEM # 315-1025 6FT TAOS CONCRETE BENCH. SEE www.the park catalog.com/6-ft-taos-concrete-bench. FOR INFO ARCHITECT TO CHOOSE COLOR

## GENERAL NOTES

1. REMOVE ALL CONSTRUCTION DEBRIS, ROOTS, ROCKS AND OLD PAVEMENTS, POOR QUALITY SOIL AND BASE COURSES IN PROPOSED LAWN AREAS TO PROVIDE 6" DEPTH NEW TOPSOIL AND 12" DEPTH IN SHRUB AREAS FOR NEW MULCH AND TOPSOIL. (2" AND 10").
2. REMOVE ALL EXISTING TREES + SHRUBS STUMPS IN CONSTRUCTION AREA.
3. MULCH ALL PLANT BEDS WITH 2" SHREDDED BARK. SUBMIT SAMPLES TO LANDSCAPE ARCH. FOR APPROVAL AND ACCEPTANCE.
4. INCLUDE APPLICATIONS OF WATER POLYMERS FOR MOISTURE RETENTION IE: "TERRASORB" AS WELL AS A BIOPLEX ROOT STIMULUS FOR PLANT GROWTH FOR ALL LANDSCAPE MATERIAL IN THIS CONTRACT. APPLY PER MANUFACTURER'S SPECIFICATIONS. PROVIDE INFO FOR ACCEPTANCE/APPROVAL.
5. NO SUBSTITUTIONS ALLOWED WITHOUT LAND. ARCH. APPROVAL.
6. ONE YEAR GUARANTY REQ'D FROM WRITTEN DAY OF ACCEPTANCE. REPLACE DISEASED, DYING PLANT MATERIAL WITH SAME SIZE & SPECIES, TILL END OF GUARANTY.
7. PLANTING SHALL BE SUPERVISED BY LANDSCAPE ARCH.
8. LAWN SHALL BE SEEDED WITH AN APPROVED SUNMIX OF 50% BLUEGRASS-50% PERENNIAL RYE. SUBMIT SEED MIX INFO AND SOURCE TO LAND. ARCH. FOR APPROVAL. RESEED THIN PATCHES & WATER IF NECESSARY TILL FULL GROWTH IS ESTABLISHED. REMOVE SURFACE STONES, WEEDS TILL (3) THREE MOWINGS HAVE OCCURRED. CONTACT OWNER TO REQUEST INSPECTION AND LAND. ARCH. FOR APPROVAL & ACCEPTANCE.

## PLANT LIST

| KEY | QUAN. | NAME | SIZE |
|---|---|---|---|
| 1 | 1 | JAPANESE CEDAR-CRYPTOMERIA JAPONICA YOSHINO | 10-12' HT FULL |
| 2 | 3 | COLUMNAR BLUE COLORADO SPRUCE-PICEA PUN. FASTIG. | 7-8' HT FULL |
| 3 | 12 | CHERRY LAUREL-PRUNUS LAURO. SCHIPKAENSIS | 4' BUSHY |
| 4 | 5 | KNOCKOUT ROSE-DOUBLE PINK ROSE | #3 GAL |
| 5 | 4 | COLUMNAR CRAB-MALUS × DREAMWEAVER | 2½" CAL |
| 6 | 9 | NORTHERN BAYBERRY-MYRICA PENN. | 4' HT CLUMP |
| 7 | 20 | WINTER GEM BOXWOOD-BUXUS | #2 |
| 8 | 27 | SARGENT JUNIPER-JUNIPERUS SARGENTII | #2 |
| 9 | 31 | SPILLED WINE WEIGELA-WEIG. FLO. BOKRASPIWI | #3 FULL |
| 10 | 97 | VARIEGATED LIRIOPE-MUSCARI VARIEGATA | #1 |

#=PER ANLI+ANSI CLASSIFICATION

## LANDSCAPE PLAN

SCALE: 1" = 20'

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

SITESCAPES, P.C.
LANDSCAPE ARCHITECT CT
LIC. NO. 346
2005 NORTH AVENUE
BRIDGEPORT, CT

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NEWFIELD LIBRARY
RENOVATIONS / ADDITION
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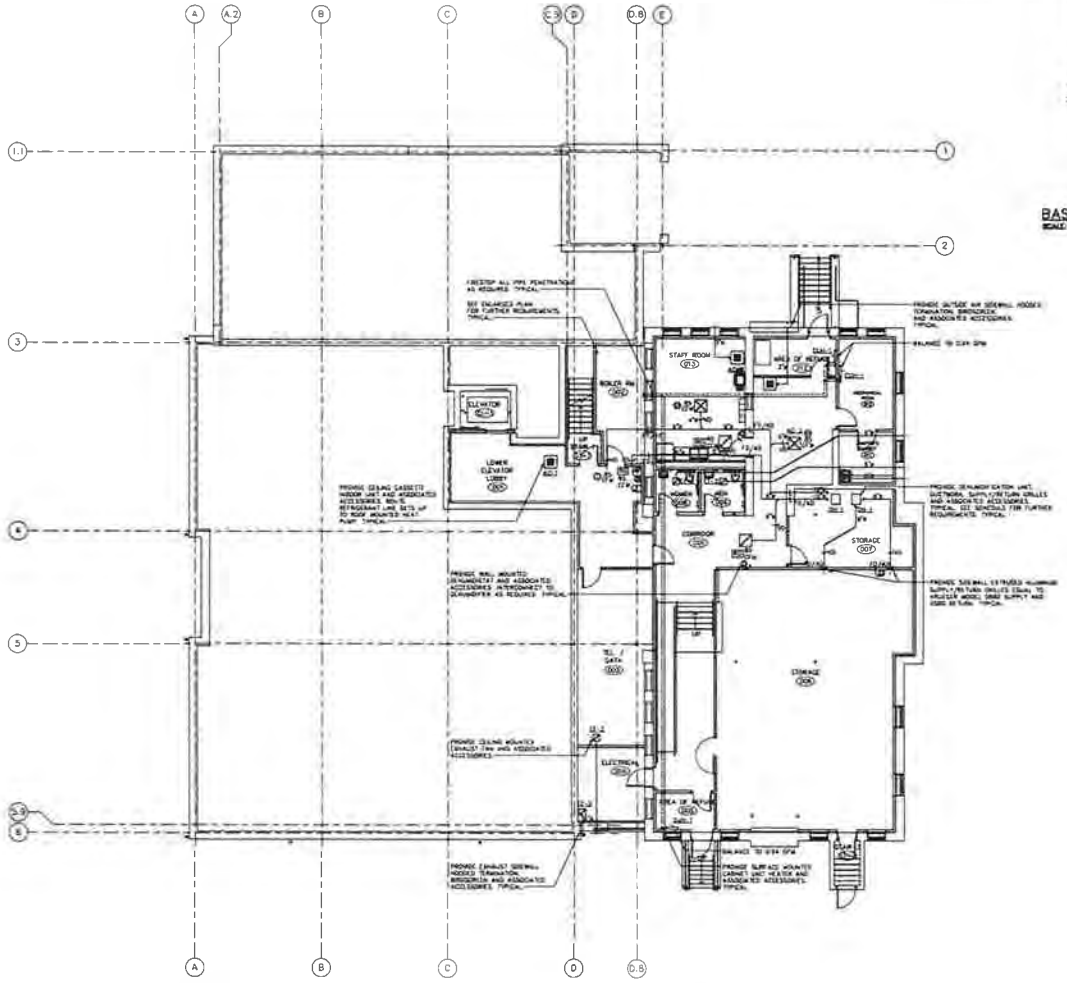
BRIDGEPORT, CONNECTICUT

DRAWING TITLE: LANDSCAPE PLAN

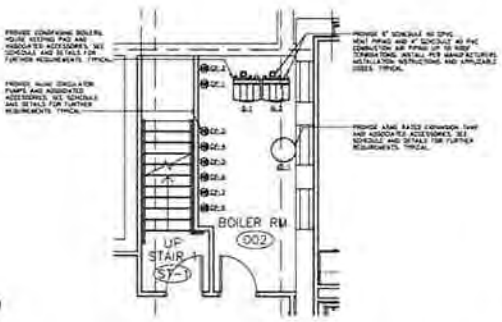
SCALE: 1"=20' | DRAWN BY: D.G.L. | REVIEWED BY: D.G.L.

DRAWING NO.: L-1

DATE: 12 JANUARY 2018 | JOB NUMBER: 16010




BASEMENT MECHANICAL PLAN
SCALE: 1/8" = 1'-0"




BASEMENT ENLARGED MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

RTU'S
INTERNALLY INSULATE ALL SUPPLY AND RETURN DUCTWORK FOR THE FIRST TEN (10') FEET FROM RTU'S. TYPICAL.

INTERNAL INSULATION
INSULATION SHALL BE INTERIOR DUCT SOUND ABSORBING INSULATION GLUED AND PINNED PER MANUFACTURER'S REQUIREMENTS. PROVIDE INSULATION EQUAL TO JOHN MANVILLE PERMACOTE LINACOUSTIC RC-HP TYPICAL.

FIRE DAMPERS
PROVIDE DYNAMIC FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE ASSEMBLY PENETRATIONS. TYPICAL.

MECHANICAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. COORDINATE ALL WORK WITH EXISTING/PROPOSED CONDITIONS TYPICAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
4. DRAWINGS ARE DIAGRAMMATIC CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, PIPING, CONDUIT, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
5. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
7. PROVIDE ALL REQUIRED PENETRATIONS, COORDINATE WITH STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL
8. ROUTING OF ALL PIPING/DUCTWORK SHALL BE COORDINATED WITH EXISTING/PROPOSED CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL
9. PROVIDE VOLUME DAMPERS AT EACH SUPPLY BRANCH AND MAIN RETURN DUCTS. TYPICAL.

ANTINOZZI ASSOCIATES

SALAMONE & ASSOCIATES, P.C.
CONSULTING ENGINEERS

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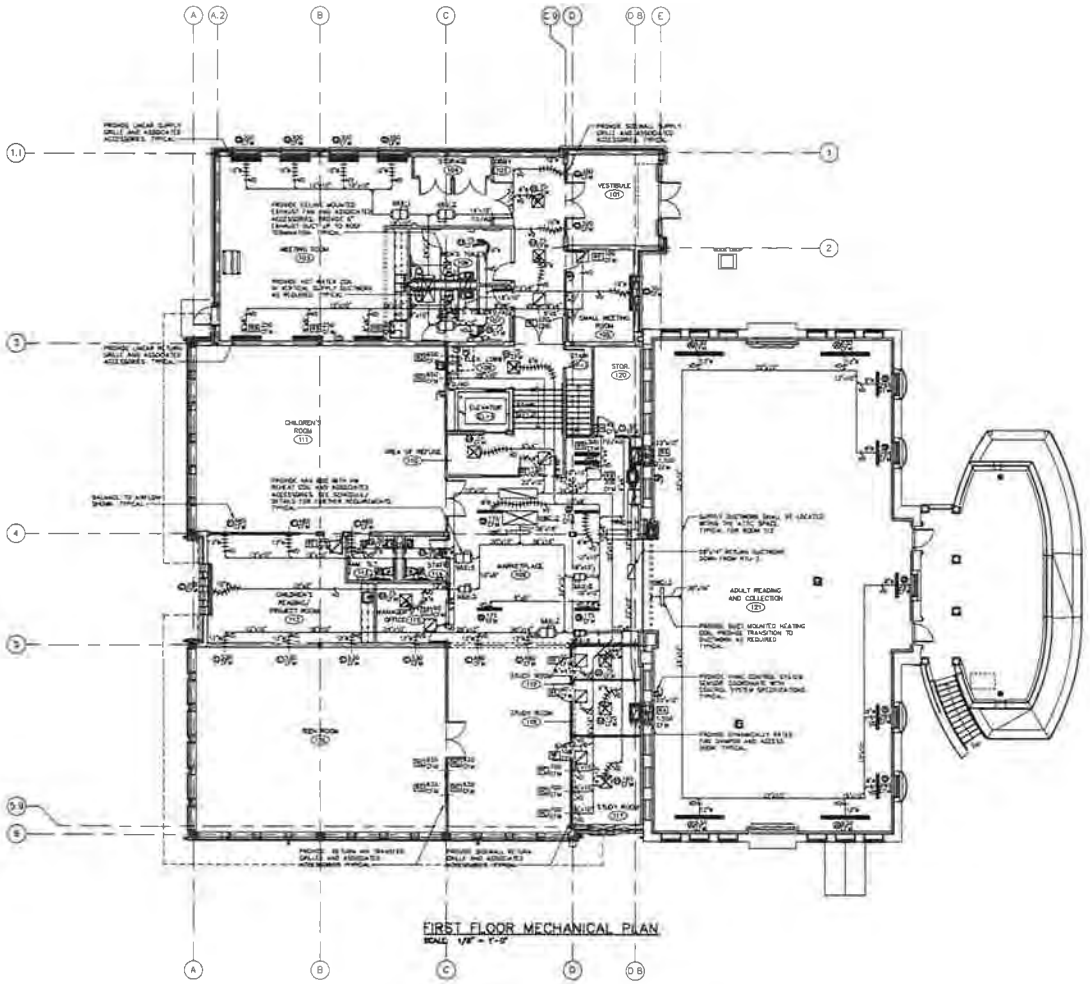
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

BASEMENT MECHANICAL PLAN

ST | IAS

M-101




FIRST FLOOR MECHANICAL PLAN

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

MECHANICAL DUCTWORK NOTES:

RTU's:
INTERNALLY INSULATE ALL SUPPLY AND RETURN DUCTWORK FOR THE FIRST TEN (10') FEET FROM RTU'S, TYPICAL.

INTERNAL INSULATION:
INSULATION SHALL BE INTERIOR DUCT SOUND ABSORBING INSULATION, CLUED AND PINNED PER MANUFACTURER'S REQUIREMENTS. PROVIDE INSULATION EQUAL TO JOHN MANVILLE PERMACOTE LINACOUSTIC RC-HP TYPICAL

FIRE DAMPERS:
PROVIDE DYNAMIC FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE ASSEMBLY PENETRATIONS. TYPICAL

MECHANICAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. COORDINATE ALL WORK WITH EXISTING/PROPOSED CONDITIONS. TYPICAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT
4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, PIPING, CONDUIT, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK
5. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
7. PROVIDE ALL REQUIRED PENETRATIONS. COORDINATE WITH STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS TYPICAL
8. ROUTING OF ALL PIPING/DUCTWORK SHALL BE COORDINATED WITH EXISTING/PROPOSED CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES TYPICAL
9. PROVIDE VOLUME DAMPERS AT EACH SUPPLY BRANCH AND MAIN RETURN DUCTS. TYPICAL

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

SALAMONE & ASSOCIATES, P.C.

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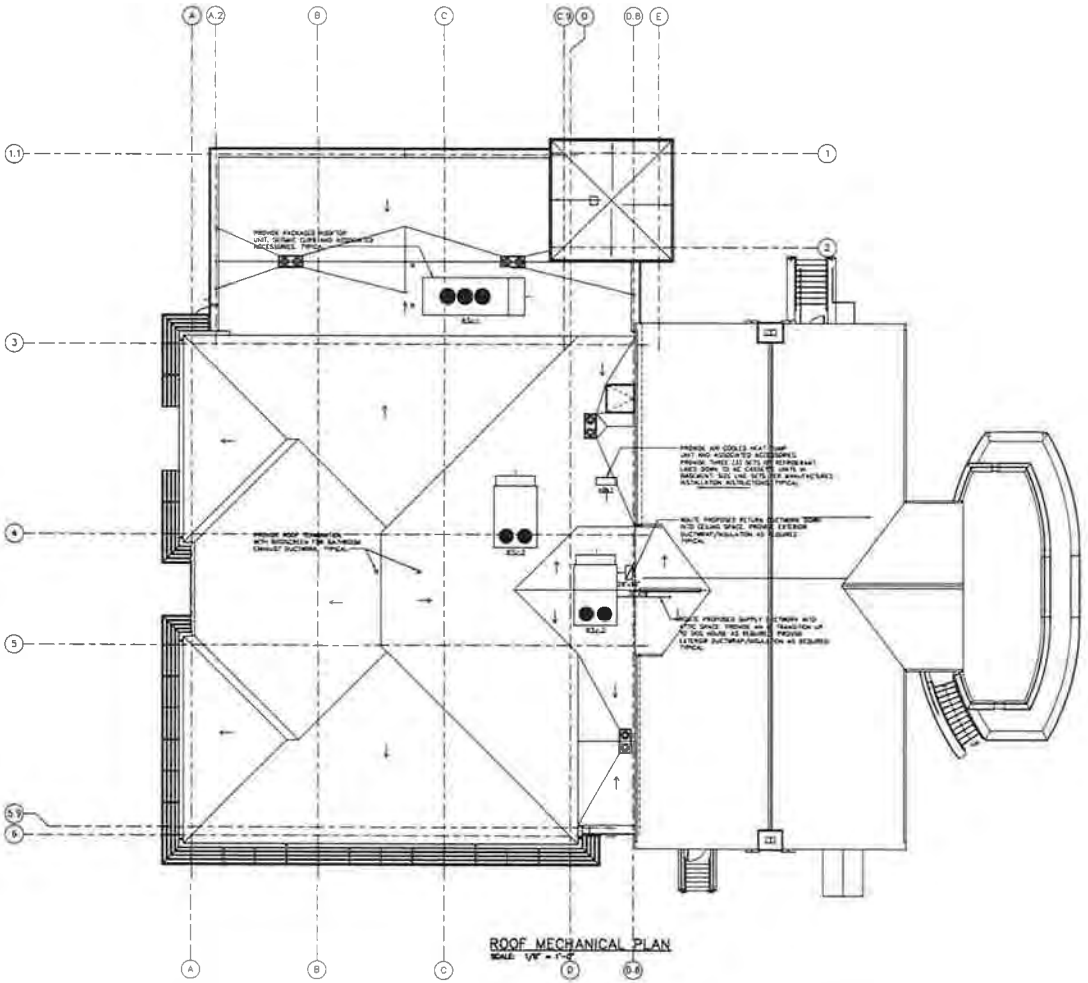
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

FIRST FLOOR MECHANICAL PLAN

M-102



ROOF MECHANICAL PLAN

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

MECHANICAL DUCTWORK NOTES:

RTU'S:
INTERNALLY INSULATE ALL SUPPLY AND RETURN DUCTWORK FOR THE FIRST TEN (10') FEET FROM RTU'S TYPICAL.

INTERNAL INSULATION:
INSULATION SHALL BE INTERIOR DUCT SOUND ABSORBING INSULATION, GLUED AND PINNED PER MANUFACTURER'S REQUIREMENTS. PROVIDE INSULATION EQUAL TO JOHN MANVILLE PERMACOTE LINACOUSTIC RC-HP TYPICAL.

FIRE DAMPERS:
PROVIDE DYNAMIC FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE ASSEMBLY PENETRATIONS TYPICAL.

MECHANICAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED, NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. COORDINATE ALL WORK WITH EXISTING/PROPOSED CONDITIONS TYPICAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
4. DRAWINGS ARE DIAGRAMMATIC CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, PIPING, CONDUIT, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
5. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL ENGINEERING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
7. PROVIDE ALL REQUIRED PENETRATIONS. COORDINATE WITH STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
8. ROUTING OF ALL PIPING/DUCTWORK SHALL BE COORDINATED WITH EXISTING/PROPOSED CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
9. PROVIDE VOLUME DAMPERS AT EACH SUPPLY BRANCH AND MAIN RETURN DUCTS. TYPICAL.

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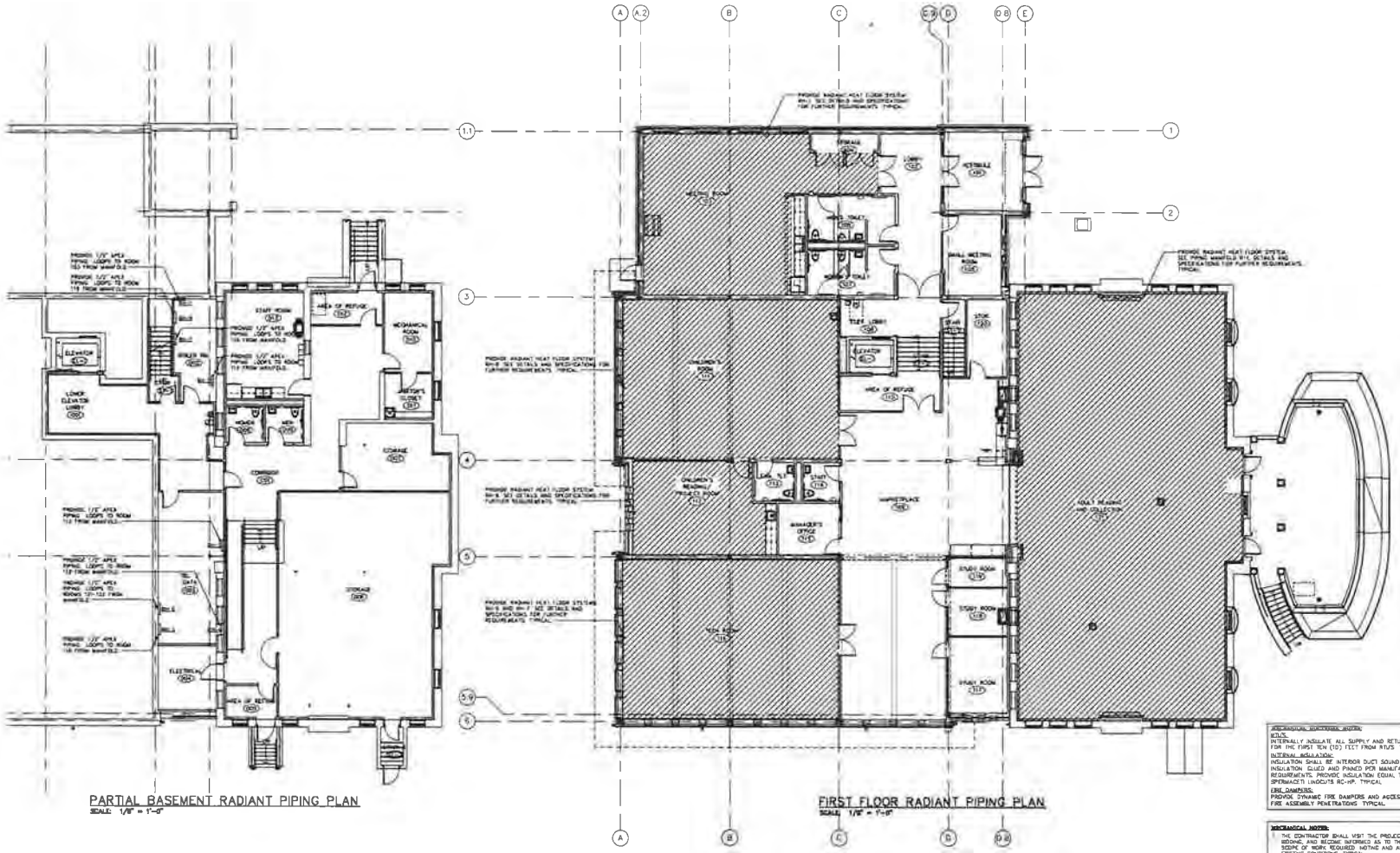
ROOF MECHANICAL PLAN

M-103



PARTIAL BASEMENT RADIANT PIPING PLAN
SCALE: 1/8" = 1'-0"

FIRST FLOOR RADIANT PIPING PLAN
SCALE: 1/8" = 1'-0"

**MECHANICAL DUCTWORK NOTES:**

**NTS:**
INTERNALLY INSULATE ALL SUPPLY AND RETURN DUCTWORK FOR THE FIRST TEN (10) FEET FROM RTUS TYPICAL.

**INTERNAL INSULATION:**
INSULATION SHALL BE INTERIOR DUCT SOUND ABSORBING INSULATION GLUED AND PINNED PER MANUFACTURER'S REQUIREMENTS. PROVIDE INSULATION EQUAL TO JOHN MANVILLE SPERMACETI LINOCUTS RC-HP. TYPICAL

**FIRE DAMPERS:**
PROVIDE DYNAMIC FIRE DAMPERS AND ACCESS DOORS AT ALL FIRE ASSEMBLY PENETRATIONS TYPICAL.

**MECHANICAL NOTES:**

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING, AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. [illegible] TYPICAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
4. DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, QUANTITIES AND DIMENSIONS OF EXISTING MATERIALS, PIPING, CONDUIT, FIXTURES AND/OR EQUIPMENT WITHIN AND AFFECTING PROJECT SCOPE OF WORK.
5. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS TYPICAL.
6. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
7. PROVIDE ALL REQUIRED PENETRATIONS. COORDINATE WITH STRUCTURAL ELEMENTS. FIRE STOP ALL PENETRATIONS. TYPICAL.
8. ROUTING OF ALL PIPING/DUCTWORK SHALL BE COORDINATED WITH EXISTING/PROPOSED CONDITIONS, STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
9. [illegible] TYPICAL.

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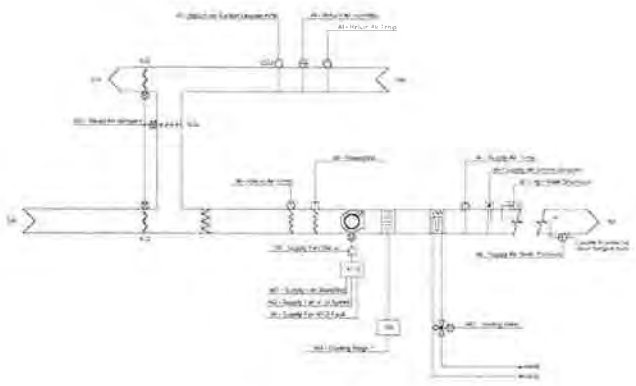
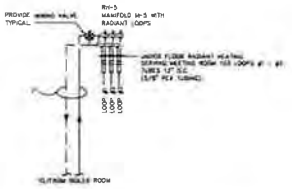
M-104

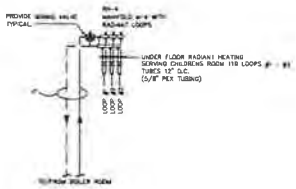
12 JANUARY 2018



PACKAGED ROOFTOP CONTROLS SCHEMATIC
SCALE: N.T.S.



SLAB ON GRADE–CONCRETE ROOM 103
SCALE: N.T.S.



SLAB ON GRADE–CONCRETE ROOM 119
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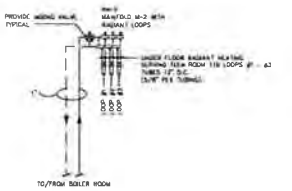

SLAB ON GRADE–CONCRETE ROOM 116
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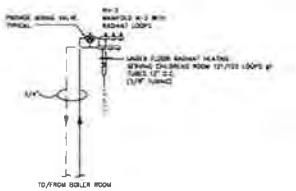
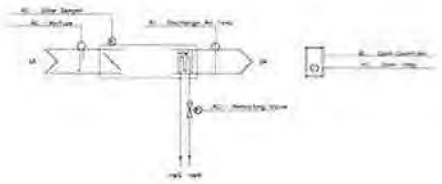
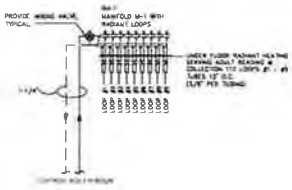


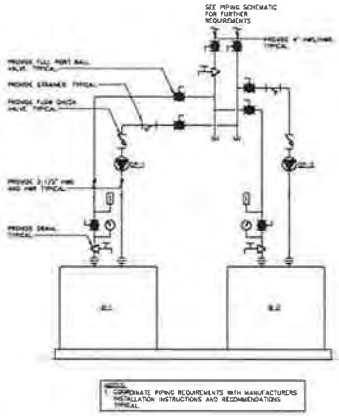
SLAB ON GRADE–CONCRETE ROOM 121
SCALE: N.T.S.



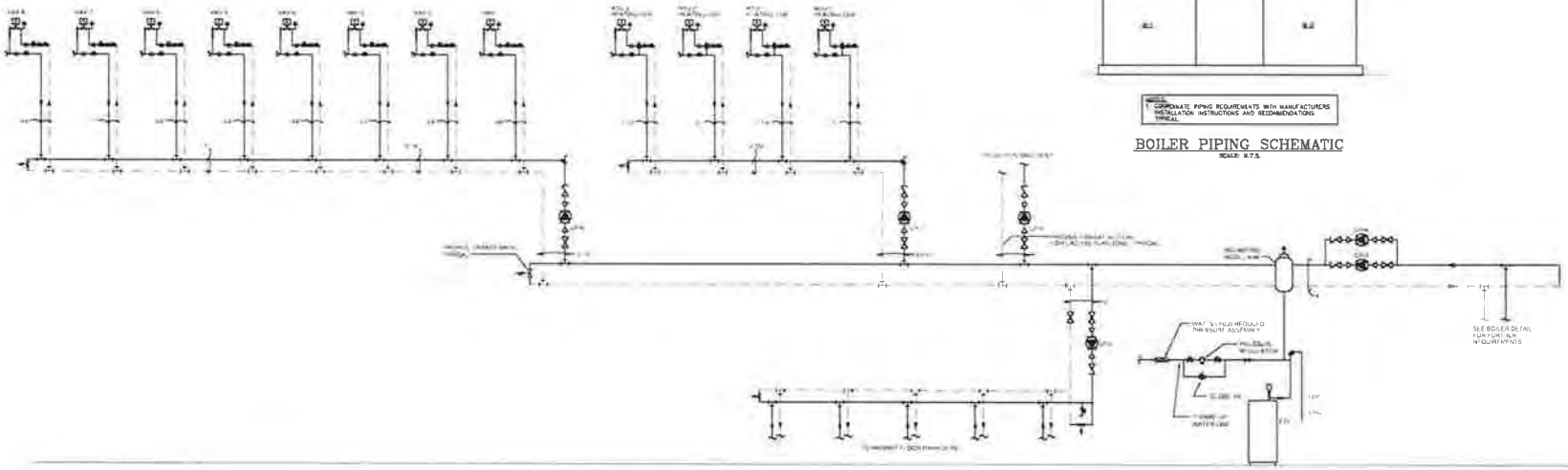
VAV WITH REHEAT CONTROLS SCHEMATIC
SCALE: N.T.S.



BELOW HARDWOOD FLOOR ROOM 112
SCALE: N.T.S.



BOILER PIPING SCHEMATIC
SCALE: N.T.S.



HYDRONIC HEATING PIPING SCHEMATIC
SCALE: N.T.S.

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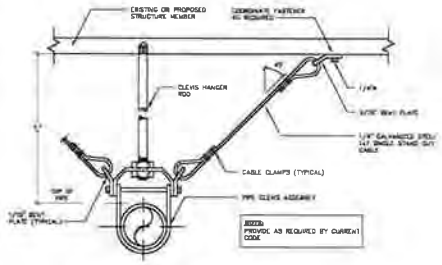
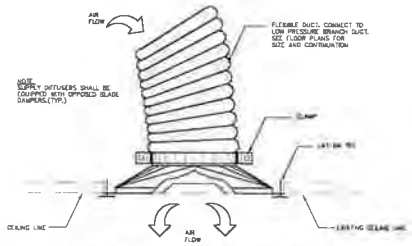
MECHANICAL SCHEMATICS

M-201

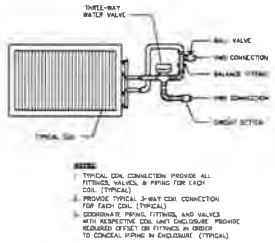
17 JANUARY 2018 | 16010



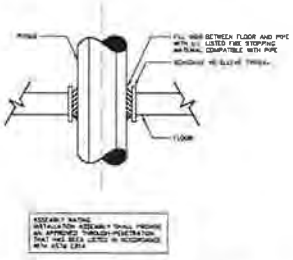
TYPICAL SEISMIC RESTRAINT
ASSEMBLY OF SUSPENDED PIPING



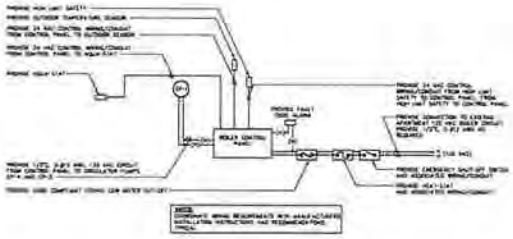
TYPICAL SQUARE DIFFUSER DETAIL
SQUARE RETURN GRILLE SIMILAR



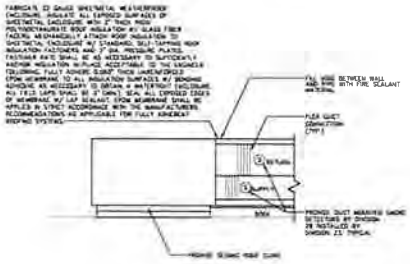
TYPICAL CABINET UNIT HEATER
PIPING DETAIL



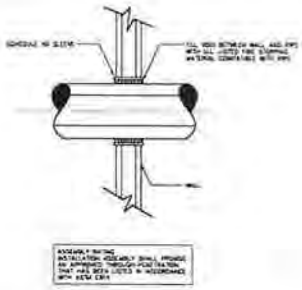
TYPICAL FLOOR PIPE PENETRATION
FIRE STOPPING DETAIL



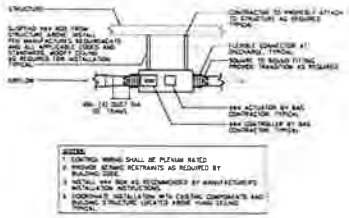
TYPICAL BOILER CONTROL PANEL WIRING DIAGRAM



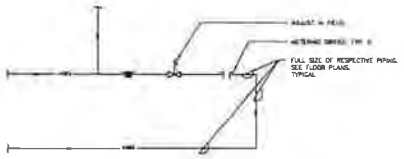
ROOFTOP UNIT DUCTWORK DETAIL



TYPICAL WALL PIPE PENETRATION
FIRE STOPPING DETAIL



TYPICAL VAV DAMPER INSTALLATION DETAIL



HOT WATER BY-PASS
VALVE PIPING SCHEMATIC

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MECHANICAL DETAILS

M-202

## CONDENSING BOILER SCHEDULE

| | | |
|---|---|---|
| BOILER NUMBER | B-1 | B-2 |
| INPUT MODULATION MBH | [illegible] | [illegible] |
| OUTPUT MBH | [illegible] | [illegible] |
| FUEL | NATURAL GAS | NATURAL GAS |
| MOUNTING | FLOOR | FLOOR |
| MOTOR (V/PH/HZ) | 115/1/60 | 115/1/60 |
| DESIGN BASED MODEL | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | LOCHINVAR | LOCHINVAR |

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.
3. [illegible]
4. [illegible]

## VAV TERMINAL UNITS

[illegible]

NOTES:
1. PROVIDE CONTROLLERS, MOUNTING HARDWARE, FLEX CONNECTIONS, VIBRATION ISOLATION AND SHEET METAL TRANSITION FITTINGS AS REQUIRED. TYPICAL.
2. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS. SEE DETAILS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

## CIRCULATOR PUMP SCHEDULE

| | | | | |
|---|---|---|---|---|
| PUMP NO. | CP-1 | CP-2 | CP-3 | CP-4 |
| LOCATION | AS SHOWN | AS SHOWN | AS SHOWN | AS SHOWN |
| SERVICE | [illegible] | [illegible] | [illegible] | [illegible] |
| MIN. FLOW RATE (GPM) | [illegible] | [illegible] | [illegible] | [illegible] |
| PRESSURE DROP | [illegible] | [illegible] | [illegible] | [illegible] |
| IMPELLER TYPE | POLY-PHENYLENE | POLY-PHENYLENE | POLY-PHENYLENE | POLY-PHENYLENE |
| CASING MATERIAL | CAST IRON | CAST IRON | CAST IRON | CAST IRON |
| MOTOR HORSEPOWER | [illegible] | [illegible] | [illegible] | [illegible] |
| MOTOR (V/PH/HZ) | [illegible] | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MODEL | [illegible] | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT |

## CIRCULATOR PUMP SCHEDULE

| | | | | |
|---|---|---|---|---|
| PUMP NO. | CP-5 | CP-6 | CP-7 | CP-8 |
| LOCATION | AS SHOWN | AS SHOWN | AS SHOWN | AS SHOWN |
| SERVICE | RADIANT FLOORS | [illegible] | [illegible] | [illegible] |
| MIN. FLOW RATE (GPM) | [illegible] | [illegible] | [illegible] | [illegible] |
| PRESSURE DROP | [illegible] | [illegible] | [illegible] | [illegible] |
| IMPELLER TYPE | POLY-PHENYLENE | POLY-PHENYLENE | POLY-PHENYLENE | POLY-PHENYLENE |
| CASING MATERIAL | CAST IRON | CAST IRON | CAST IRON | CAST IRON |
| MOTOR HORSEPOWER | [illegible] | [illegible] | [illegible] | [illegible] |
| MOTOR (V/PH/HZ) | [illegible] | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MODEL | [illegible] | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT | BELL & GOSSETT |

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.

## CABINET UNIT HEATER SCHEDULE

| | |
|---|---|
| UNIT HEATER NO. | CUH-1 |
| LOCATION | VESTIBULE |
| SERVICE | AS SHOWN |
| HEAT CAPACITY (BTU/H) | [illegible] |
| FLOW RATE (GPM) | [illegible] |
| WATER PRESSURE DROP (FT. H2O) | [illegible] |
| AIR FLOW (CFM) | [illegible] |
| MOTOR (HP) | [illegible] |
| ELECT. CHARA. (V/PH/HZ) | [illegible] |
| DESIGN BASED MODEL | [illegible] |
| DESIGN BASED MANUFACTURER | [illegible] |

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.

## ASME EXPANSION TANK SCHEDULE

| | |
|---|---|
| EXPANSION TANK NO. | ET-1 |
| LOCATION | BOILER ROOM |
| SERVICE | HYDRONIC SYSTEM |
| ACCEPTANCE (GAL.) | [illegible] |
| TOTAL VOLUME (GAL.) | [illegible] |
| MAX. WORKING PRESSURE (PSI) | [illegible] |
| MAX. WORKING TEMPERATURE (F) | [illegible] |
| DESIGN BASED MODEL | [illegible] |
| DESIGN BASED MANUFACTURER | BELL AND GOSSETT |

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.

## DEHUMIDIFIER SCHEDULE

| | |
|---|---|
| UNIT NO. | DH-1 |
| LOCATION | BASEMENT |
| SERVICE | AS SHOWN |
| WATER REMOVAL (PINTS/DAY) | [illegible] |
| HUMIDITY | [illegible] |
| BLOWER CFM | [illegible] |
| ELECT. CHARA. (V/PH/HZ) | [illegible] |
| DESIGN BASED MODEL | [illegible] |
| DESIGN BASED MANUFACTURER | [illegible] |

NOTES:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND ALL APPLICABLE CODES.
2. PROVIDE 115V REMOTE DEHUMIDISTAT ACCESSORY, MERV 8 FILTER, DUCT KIT AND OUTLET COLLAR.

## DUCTLESS SPLIT SYSTEM SCHEDULE

| | | | | |
|---|---|---|---|---|
| UNIT NO. | HP-1 | AC-1 | AC-2 | AC-3 |
| SERVES | AC-1/AC-2/AC-3 | HP-1 | HP-1 | HP-1 |
| LOCATION | ROOF | BASEMENT | BASEMENT | BASEMENT |
| CFM | [illegible] | [illegible] | [illegible] | [illegible] |
| COOLING BTUH | [illegible] | [illegible] | [illegible] | [illegible] |
| HEATING BTUH | [illegible] | [illegible] | [illegible] | [illegible] |
| SEER | [illegible] | [illegible] | [illegible] | [illegible] |
| ELECTRICAL CHARACTERISTIC (V/PH/HZ) | 208/1/60 | 208/1/60 | 208/1/60 | 208/1/60 |
| APPROXIMATE OPERATING WEIGHT (LBS) | [illegible] | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MODEL | MXZ-4C36NAHZ | SLZ-KA12NA | SLZ-KA12NA | SLZ-KA12NA |
| DESIGN BASED MANUFACTURER | MITSUBISHI | MITSUBISHI | MITSUBISHI | MITSUBISHI |

NOTES:
1. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
2. PROVIDE THE FOLLOWING ACCESSORIES: FOUR SPEED FAN, WIRELESS REMOTE CONTROLLER KITS AND CONDENSATE PUMPS. TYPICAL.
3. COORDINATE REMOTE THERMOSTAT LOCATION WITH OWNER/ARCHITECT. TYPICAL.

## PACKAGED ROOF-TOP UNIT SCHEDULE

| | | | |
|---|---|---|---|
| ROOF TOP UNIT NO. | RTU-1 | RTU-2 | RTU-3 |
| SERVICE | [illegible] | [illegible] | ADULT READING |
| LOCATION | ROOF | ROOF | ROOF |
| SUPPLY AIR FLOW (CFM) | [illegible] | [illegible] | [illegible] |
| RETURN AIR FLOW (CFM) | [illegible] | [illegible] | [illegible] |
| OUTSIDE AIR FLOW (CFM) | [illegible] | [illegible] | [illegible] |
| TOTAL STATIC PRESSURE | [illegible] | [illegible] | [illegible] |
| FAN MOTOR BHP | [illegible] | [illegible] | [illegible] |
| COOLING COIL (TOTAL MBH) | [illegible] | [illegible] | [illegible] |
| EER @ ARI | [illegible] | [illegible] | [illegible] |
| REFRIGERANT TYPE | R410A | R410A | R410A |
| LOCAL DISCONNECT | YES | YES | YES |
| ELECTRICAL CHARA. (V/PH/HZ) | [illegible] | [illegible] | [illegible] |
| ECONOMIZER | YES | YES | YES |
| POWER EXHAUST | YES | YES | YES |
| APPROXIMATE UNIT WEIGHT (LBS) | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MODEL | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | TRANE | TRANE | TRANE |

NOTES:
1. SEE SPECIFICATIONS/DRAWINGS FOR FURTHER REQUIREMENTS.
2. ALL ROOF-TOP UNITS SHALL BE SUPPLIED WITH THE FOLLOWING FACTORY SUPPLIED ACCESSORIES. TYPICAL:
   - A. [illegible]
   - B. [illegible]
     1. [illegible]
     2. [illegible]
   - C. [illegible]
   - D. POWER EXHAUST
   - E. SERVICE VALVES
   - F. LOW AMBIENT CONTROL
   - G. [illegible]
   - H. DISCHARGE TEMPERATURE SENSOR
   - I. STAINLESS STEEL BASE PANS
   - J. CLOGGED FILTER SWITCH
   - K. BACNET INTERFACE TO PROPOSED DIRECT DIGITAL CONTROLS SYSTEM
   - L. [illegible]

## REGISTER, GRILLE AND DIFFUSER SCHEDULE

| AIR INLET/ OUTLET TYPE | NECK SIZE | TYPE | MAX. CFM | MANUFACTURER | MODEL | FINISH AND ACCESSORIES |
|---|---|---|---|---|---|---|
| [illegible] | [illegible] | LINEAR SLOT | [illegible] | KRUEGER | [illegible] | FRAME 1. SEE NOTES BELOW |
| [illegible] | [illegible] | LINEAR SLOT | [illegible] | KRUEGER | [illegible] | FRAME [illegible]. SEE NOTES BELOW |
| [illegible] | [illegible] | LINEAR SLOT | [illegible] | KRUEGER | [illegible] | FRAME A. SEE NOTES BELOW |
| [illegible] | [illegible] | LINEAR SLOT | [illegible] | KRUEGER | [illegible] | FRAME A. SEE NOTES BELOW |
| [illegible] | [illegible] | [illegible] | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |
| [illegible] | [illegible] | [illegible] | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |
| [illegible] | [illegible] | [illegible] | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |
| [illegible] | [illegible] | [illegible] | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |
| [illegible] | [illegible] | [illegible] | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |
| [illegible] | [illegible] | RETURN | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |
| [illegible] | 10" | LINEAR SLOT | [illegible] | KRUEGER | [illegible] | FRAME [illegible]. SEE NOTES BELOW |
| [illegible] | [illegible] | RETURN | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |
| [illegible] | [illegible] | RETURN | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |
| [illegible] | [illegible] | RETURN | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |
| [illegible] | [illegible] | RETURN | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |
| [illegible] | [illegible] | TRANSFER | [illegible] | KRUEGER | 600 | SEE NOTES BELOW |
| [illegible] | [illegible] | RETURN | [illegible] | KRUEGER | [illegible] | SEE NOTES BELOW |

NOTES:
1. COORDINATE FINISH WITH ARCHITECT
2. ALL AIR INLETS AND OUTLETS SHALL BE CONSTRUCTED OF EXTRUDED ALUMINUM. TYPICAL
3. PROVIDE ALL MANUFACTURER ACCESSORIES FOR COMPLETE AND APPROPRIATE INSTALLATION. TYPICAL

## EXHAUST FAN SCHEDULE

| | | |
|---|---|---|
| EXHAUST FAN NO. | EF-1 | EF-2 |
| LOCATION | CEILING | CEILING |
| AIR FLOW (SCFM) | [illegible] | [illegible] |
| EXT. STATIC PRESS. (IWC) | [illegible] | [illegible] |
| WHEEL TYPE | CENTRIFUGAL | CENTRIFUGAL |
| WHEEL CONSTRUCTION | ALUMINUM | ALUMINUM |
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| MOTOR HP/WATTS | [illegible] | [illegible] |
| ELECT. CHARA. (V/PH/HZ) | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| HOUSING MATERIAL | [illegible] | [illegible] |
| BACKDRAFT DAMPER | YES | YES |
| SEISMIC VIBRATION ISOLATION | YES | YES |
| DESIGN BASED MODEL | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | GREENHECK | GREENHECK |

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS. TYPICAL.
2. INSTALL EXHAUST FANS AND ACCESSORIES PER MANUFACTURER'S INSTALLATION INSTRUCTION. TYPICAL.
3. COORDINATE WITH DIVISION 26 AND ALL WORK WITH OTHER PROJECT DISCIPLINES. TYPICAL.
4. EF-1 SHALL RUN CONTINUOUSLY. TYPICAL.

## HOT WATER HEATING COIL SCHEDULE

| | | | |
|---|---|---|---|
| UNIT NO. | HWC-1 | HWC-2 | HWC-3 |
| SERVICE | RTU-1 | RTU-2 | RTU-3 |
| LOCATION | CEILING | CEILING | CEILING |
| AIR FLOW (CFM) | [illegible] | [illegible] | [illegible] |
| HEATING CAPACITY MBH | [illegible] | [illegible] | [illegible] |
| ENTERING/LEAVING TEMP | [illegible] | [illegible] | [illegible] |
| GPM | [illegible] | [illegible] | [illegible] |
| FLUID PD | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MODEL | [illegible] | [illegible] | [illegible] |
| DESIGN BASED MANUFACTURER | TRANE | TRANE | TRANE |

NOTES:
1. INSTALL PER MANUFACTURERS INSTALLATION REQUIREMENTS. TYPICAL.
2. SEE SPECIFICATIONS/DETAILS FOR FURTHER REQUIREMENTS.

## MECHANICAL ABBREVIATIONS

| | |
|---|---|
| AD | ACCESS DOOR |
| AF | AIR FILTER |
| AFF | ABOVE FINISHED FLOOR |
| AHU | AIR HANDLING UNIT |
| AMP | AMPERE |
| BDD | BACK DRAFT DAMPER |
| BHP | BRAKE HORSE POWER |
| BTU | BRITISH THERMAL UNIT |
| BTUH | BRITISH THERMAL UNIT/HOUR |
| CENTRIF | CENTRIFUGAL |
| CFM | CUBIC FEET PER MINUTE |
| DB | DRY BULB |
| EAT | ENTERING AIR TEMPERATURE |
| EF | EXHAUST FAN |
| ESP | EXTERNAL STATIC PRESSURE |
| EXH | EXHAUST |
| FD | FIRE DAMPER |
| FFF | FROM FINISHED FLOOR |
| FPM | FEET PER MINUTE |
| FPS | FEET PER SECOND |
| FT | FEET |
| GPM | GALLONS PER MINUTE |
| HP | HORSEPOWER |
| HT | HEIGHT |
| ID | INSIDE DIAMETER |
| IN | INCHES |
| L | LENGTH |
| LAT | LEAVING AIR TEMPERATURE |
| LVR | LOUVER |
| LWT | LEAVING WATER TEMPERATURE |
| MAX | MAXIMUM |
| MBH | THOUSAND BTU/HOUR |
| MIN | MINIMUM |
| NG | NATURAL GAS |
| NTS | NOT TO SCALE |
| OA | OUTSIDE AIR |
| OBD | OPPOSED BLADE DAMPER |
| PRV | PRESSURE RELIEF VALVE |
| PSIA | POUNDS PER SQUARE INCH ABSOLUTE |
| PSIG | POUNDS PER SQUARE INCH GAUGE |
| RH | RELATIVE HUMIDITY |
| RPM | REVOLUTIONS PER MINUTE |
| SENS | SENSOR |
| SF | SUPPLY FAN |
| S | SMOKE DETECTOR |
| SP | STATIC PRESSURE |
| TEMP | TEMPERATURE |
| TONS | TONS OF REFRIGERATION |

## MECHANICAL SYMBOL LIST

- NEGATIVE PRESSURE OR AIR INLET DUCTWORK
- POSITIVE PRESSURE OR AIR OUTLET DUCTWORK
- DUCT WORK, DIRECTION OF FLOW
- FLEXIBLE DUCT WORK
- FIRE DAMPER WITH ACCESS DOOR
- SUPPLY DIFFUSER GRILLE TYPE
- RETURN GRILLE TYPE
- DIAMETER
- PIPING
- THERMOSTAT/SENSOR
- VOLUME DAMPER
- BALL VALVE
- BALANCING VALVE
- BALANCING/ SHUT-OFF VALVE
- BUTTERFLY VALVE
- GATE VALVE
- PIPE ELBOW, TURNED UP
- PIPE ELBOW, TURNED DOWN
- PIPE TEE, OUTLET UP
- HOT WATER SUPPLY
- HOT WATER RETURN

## MECHANICAL GENERAL NOTES

1. REFER TO SPECIFICATIONS AND BID DOCUMENTS FOR ADDITIONAL CONTRACT REQUIREMENTS.
2. MECHANICAL DRAWINGS TO BE USED IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, PLUMBING AND ELECTRICAL DRAWINGS.
3. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO DRAWING NOTES.
4. MECHANICAL DRAWINGS DO NOT NECESSARILY SHOW ALL RELATED WORK. CONTRACTOR TO USE ALL DRAWINGS IN CONTRACT DOCUMENTS FOR DIVISION 15 MECHANICAL WORK.
5. UNLESS OTHERWISE INDICATED, PROVIDE A COMPLETE AND OPERATIONAL MECHANICAL SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
6. MECHANICAL PLANS, DETAILS AND ONE LINE DIAGRAMS SHOW THE GENERAL [illegible] ARE DIAGRAMMATIC [illegible] VALVES, DRAINS, [illegible] WHICH THE CONTRACTOR [illegible]
7. PLANS AND DETAILS DO NOT SHOW ALL INTERFERENCES AND CONDITIONS, VISIBLE AND/OR HIDDEN, THAT MAY EXIST; THUS REQUIRING THE CONTRACTOR TO INSPECT AND SURVEY THE SPACE BEFORE PERFORMING THE WORK.
8. BEFORE SELECTING MATERIAL AND EQUIPMENT AND PROCEEDING WITH WORK INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT AND CLEARANCES.
9. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
10. LOCATE ALL EQUIPMENT WHICH REQUIRES SERVICING IN FULLY ACCESSIBLE POSITIONS. IF REQUIRED FOR BETTER ACCESSIBILITY, FURNISH ACCESS DOORS FOR THAT PURPOSE. MINOR DEVIATIONS FROM DRAWINGS ALLOWED FOR BETTER ACCESSIBILITY. ANY CHANGE SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.
11. COORDINATE WORK WITH OTHER DIVISIONS AND SPECIFICATIONS ON THIS PROJECT.
12. ALL WORK IN INTERIOR FINISHED SPACES IS TO BE CONCEALED BEHIND WALLS, ABOVE CEILINGS OR HUNG CEILINGS, OR UNDER THE FLOOR. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF CEILING TILES AS REQUIRED TO PERFORM WORK.
13. ALL EQUIPMENT REQUIRED TO BE LISTED OR APPROVED BY A TESTING LABORATORY SHALL BEAR A LABEL OF SUCH LABORATORY.
14. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
15. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT [illegible]:
    - A. CONNECTICUT STATE BUILDING CODE AND SUPPLEMENTS
    - B. INTERNATIONAL ENERGY CONSERVATION CODE
    - C. INTERNATIONAL PLUMBING CODE
    - D. INTERNATIONAL MECHANICAL CODE
    - E. NATIONAL ELECTRIC CODE
16. [illegible]
17. [illegible]
18. [illegible]
19. [illegible]
20. [illegible]
21. COORDINATE ALL WORK WITH THE OWNER'S REPRESENTATIVE.
22. [illegible]
23. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR THE LOCATION OF MECHANICAL AND ELECTRICAL ITEMS TO BE INSTALLED IN THE CEILING.
24. [illegible]
25. [illegible]
26. UNLESS OTHERWISE INDICATED, SUPPORT PIPES WITH HANGER SPACING IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.
27. CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE EXPANSION, CONTRACTION, SLOPE AND ANCHORAGE.
28. UNLESS OTHERWISE INDICATED, CONTRACTOR SHALL INSULATE ALL HVAC SYSTEM PIPING SYSTEMS AND HVAC SYSTEM SUPPLY AND RETURN DUCTWORK.
29. UNLESS OTHERWISE INDICATED, ALL DUCTWORK, PIPING AND WIRING SHALL BE CONCEALED ABOVE CEILINGS AND/OR IN WALLS.
30. PLANS DO NOT SHOW ALL EQUIPMENT, VALVES, FITTINGS AND CONNECTIONS. SEE PIPING RISER DIAGRAMS, DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
31. SUBMIT FOR REVIEW DETAILED SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIAL REQUIRED TO COMPLETE THE WORK. NO MATERIAL OR EQUIPMENT MAY BE DELIVERED TO THE JOB SITE OR INSTALLED UNTIL ACCEPTED SHOP DRAWINGS FOR THE PARTICULAR MATERIAL OR EQUIPMENT HAS BEEN APPROVED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN SPECIFIED OR DETAILED ON THE DRAWINGS, WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL OR ARCHITECTURAL LAYOUT ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND IS SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
32. [illegible]
33. [illegible]
34. [illegible]
35. [illegible]
36. [illegible]
37. [illegible]
38. [illegible]

ANTINOZZI ASSOCIATES

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REVISION

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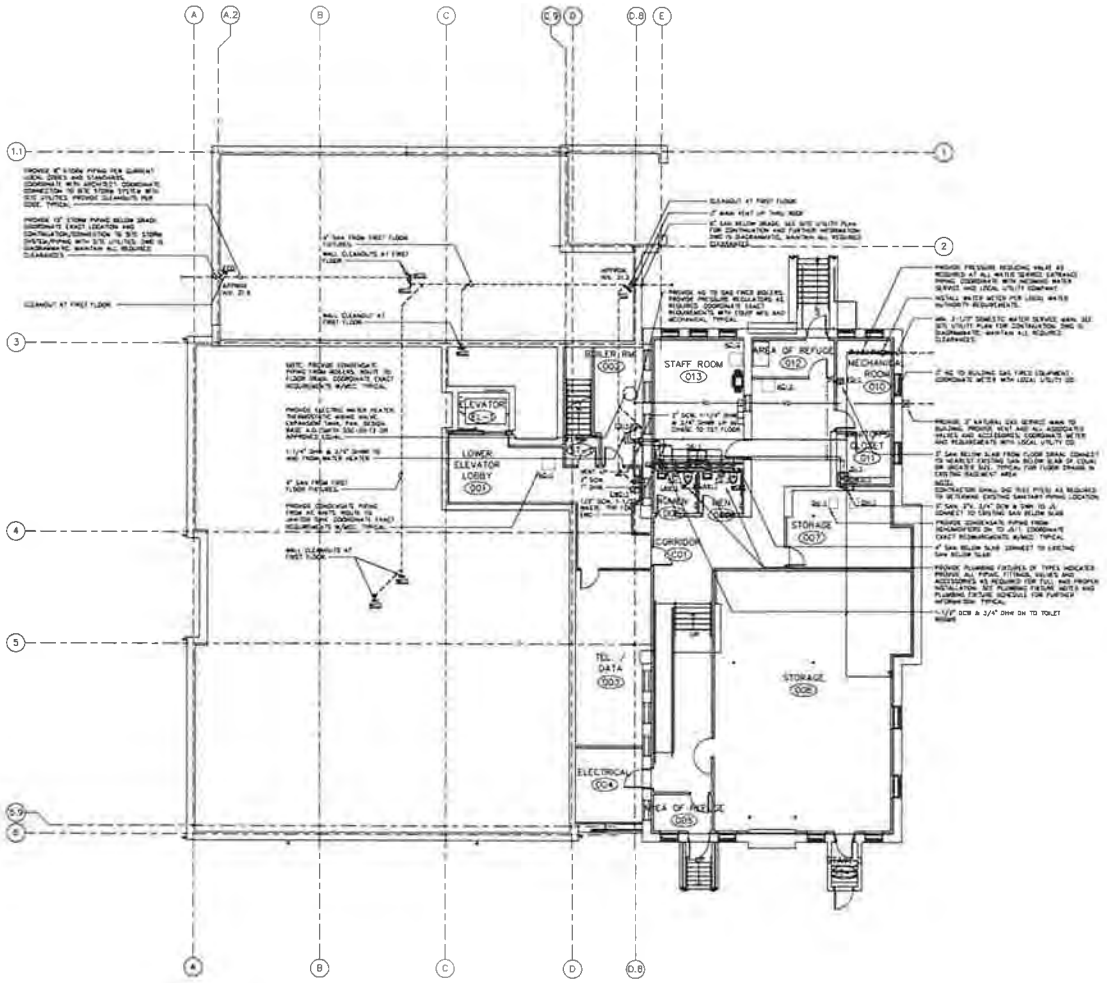
MECHANICAL SCHEDULES, SYMBOLS, NOTES AND ABBREVIATIONS

JAS

M-301

6010




BASEMENT PLUMBING PLAN
SCALE: 1/8" = 1'-0"

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ARCHITECTURE & INTERIORS

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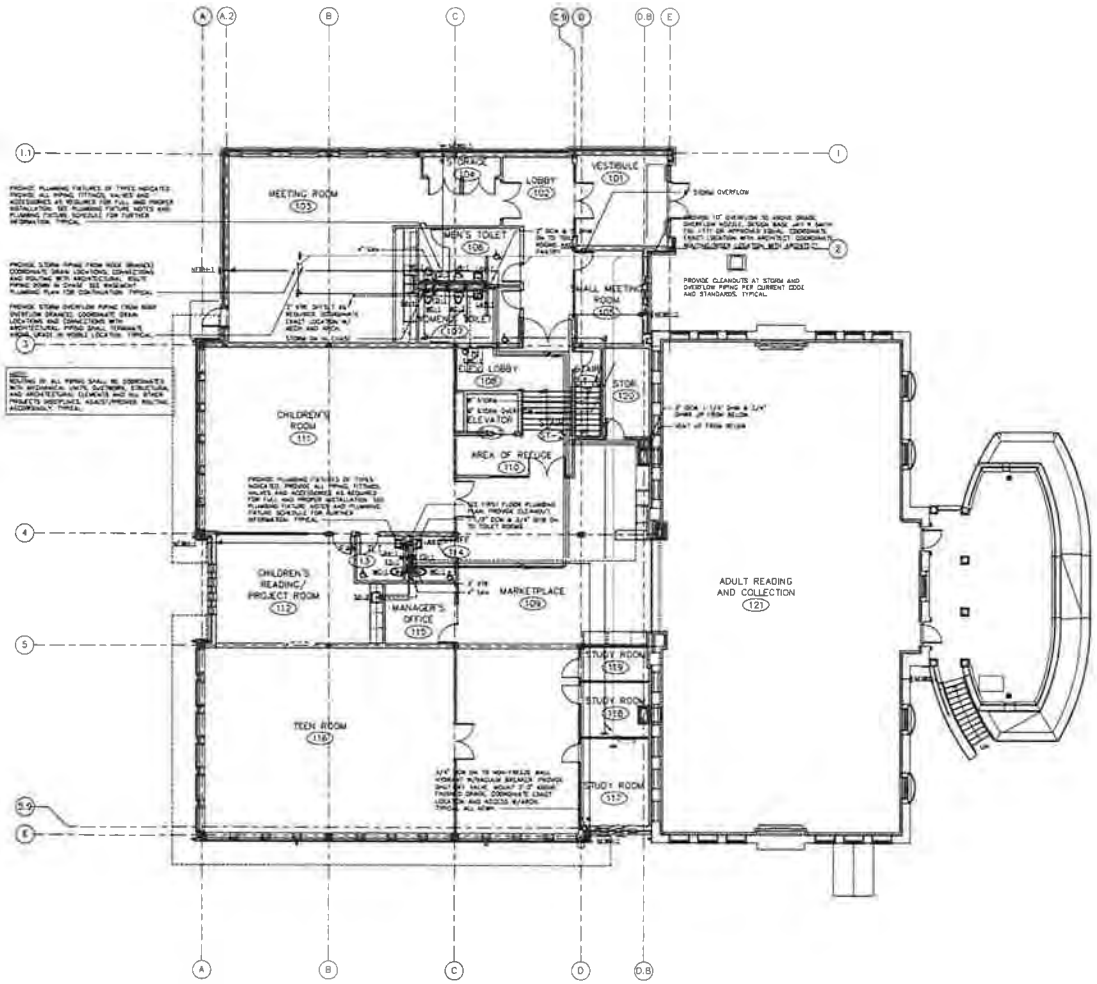
BASEMENT PLUMBING PLAN

P-101




FIRST FLOOR PLUMBING PLAN

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

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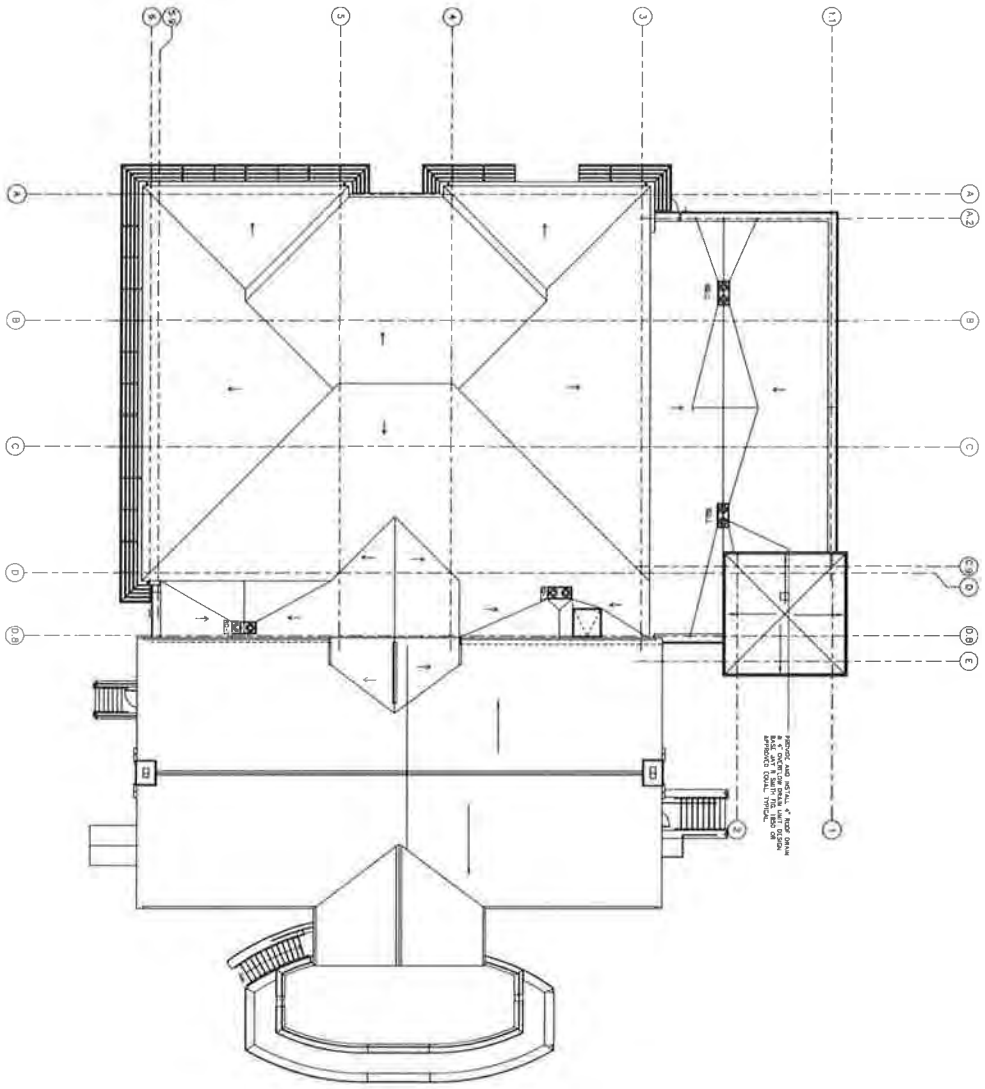
FIRST FLOOR PLUMBING PLAN

P-102



ROOF PLUMBING PLAN

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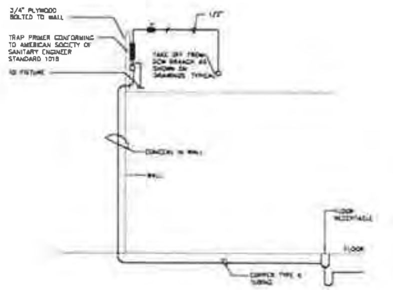
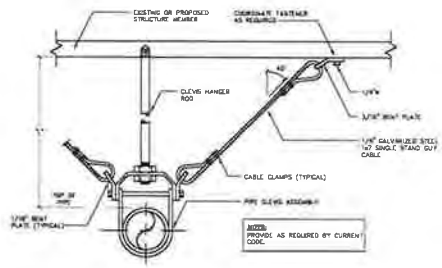


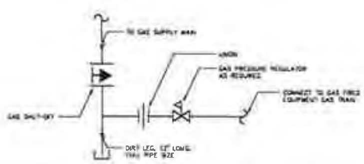
## TYPICAL TRAP PRIMER DETAIL

SCALE: N.T.S.



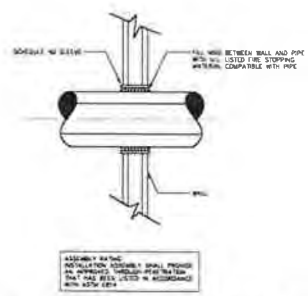
## TYPICAL SEISMIC RESTRAINT ASSEMBLY OF SUSPENDED PIPING

SCALE: N.T.S.



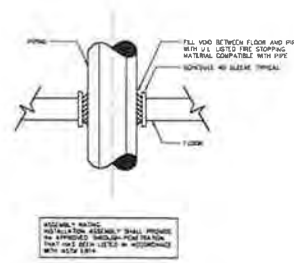
## TYPICAL CONNECTION TO GAS FIRED EQUIPMENT

SCALE: N.T.S.



## TYPICAL WALL PIPE PENETRATION FIRE STOPPING DETAIL

SCALE: N.T.S.



## TYPICAL FLOOR PIPE PENETRATION FIRE STOPPING DETAIL

SCALE: N.T.S.

## PLUMBING FIXTURE SCHEDULE

| DESIGNATION | DESCRIPTION | FIXTURE | FITTINGS |
|---|---|---|---|
| EWC-1 | WATER COOLER WALL MOUNT ANSI A117.1 2009 COMPLIANT | STAINLESS STEEL BI LEVEL, INTEGRAL DRAIN, SAFETY BUBBLER, FLOW REGULATOR PUSH BAR ACTIVATION ELKAY EZSTL FINISH SELECTION BY OWNER | TRAP AND VENT FIXTURE CARRIER WATTS CA 431-1 OR EQUAL |
| FD-1 | FLOOR DRAIN | DUCO CAST IRON BODY WITH FLASHING COLLAR ADJUSTABLE STRAINER, TRAP PRIMER CONNECTION, HINGED GRATE, SEDIMENT BUCKET JAY R. SMITH FIG. 2005 (OUTLET FULL SIZE OF PIPE) | PROVIDE W/TRAP PRIMER AND 2" DEEP TRAP |
| JS-1 | JANITOR SINK | ONE PIECE PRECAST TERRAZO STAINLESS STEEL CAP ALL CURBS, STAINLESS STEEL DRAIN BODY 36"x36"x12" FIAT MODEL #TSB 600 | STAINLESS STEEL WALL MOUNTED SERVICE FAUCET #830-AA CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, PAIL HOOK HOSE AND HOSE BRACKET 832 AA, MOP HANGER 889 CC |
| LAV-1 | LAVATORY WALL MOUNTED ADA COMPLIANT | VITREOUS CHINA, 21-1/4"x18-1/8", FRONT OVERFLOW 4" CENTERSET, CONCEALED HANGER MOUNT AS REQUIRED FOR ADA COMPLIANCE KOHLER KINGSTON | ELECTRONIC ADA COMPLIANT FAUCET BRASS AND COPPER WATERWAY, ADJUSTABLE HOT LIMIT SAFETY STOP, SINGLE HOLE MOUNTING OR 4" CENTERS SLOAN OPTIMA ETF-600 POP UP DRAIN<br>FIXTURE CARRIERS WATTS CA-452 WATTS #CA-411 D OR EQUAL |
| NFWH-1 | NON-FREEZE WALL HYDRANT | STAINLESS STEEL RECESSED BOX CONCEALED NOZZLES AND MECHANISM 1/4 TURN OPERATION WITH INTERNAL VACUUM BREAKER. JAY R. SMITH 5509 QT OR EQUAL | SINGLE CONTROL FAUCET BRASS AND COPPER WATERWAY, ADJUSTABLE HOT LIMIT SAFETY STOP, SINGLE HOLE MOUNTING OR 4" CENTERS SYMMONS SYMMETRIX S-23 |
| SK-1 | COUNTERTOP SINK ADA COMPLIANT | 18 GAUGE TYPE 304 STAINLESS STEEL, SELF-RIMMING, COVED CORNERS. 37"x22"x6 1/2" 4" CENTERSET ELKAY MODEL LRAD372265 | SINGLE CONTROL FAUCET POP-UP DRAIN BRASS AND COPPER WATERWAY, ADJUSTABLE HOT LIMIT SAFETY STOP, SINGLE HOLE MOUNTING OR 4" CENTERS SYMMONS MODEL S-23 W POP UP DRAIN |
| SK-2 | COUNTERTOP SINK ADA COMPLIANT | 18 GAUGE TYPE 304 STAINLESS STEEL SELF RIMMING COVED CORNERS, 22"x22"x6-1/2" 4" CENTERSET ELKAY MODEL LRAD222265 | SINGLE CONTROL FAUCET POP-UP DRAIN BRASS AND COPPER WATERWAY, ADJUSTABLE HOT LIMIT SAFETY STOP, SINGLE HOLE MOUNTING OR 4" CENTERS SYMMONS MODEL S-23-W POP-UP DRAIN |
| UR-1 | URINAL WALL HUNG ADA COMPLIANT | VITREOUS CHINA LOW CONSUMPTION FLUSHING RIM AND TRAP, EXTENDED SIDES, 3/4" TOP SPUD, FLUSHVALVE WITH VACUUM BREAKER, MOUNT AT RIM HT 17" MAX. FOR ADA COMPLIANCE KOHLER K-5016-ET | EXPOSED URINAL FLUSHOMETER CHROME PLATED SPUD COUPLING AND FLANGE FOR 3/4" TOP SPUD, LOW CONSUMPTION (0.5 GPF) SLOAN ROYAL #186-0.5<br>FIXTURE CARRIER WATTS CA-311 OR EQUAL |
| WC-1 | WATER CLOSET WALL MOUNT ADA COMPLIANT | LOW CONSUMPTION, VITREOUS CHINA, ELONGATED RIM FLUSHVALVE WITH VACUUM BREAKER. 1-1/2" TOP SPUD. MOUNT AT RIM HT 17" MAX. FOR ADA COMPLIANCE KOHLER KINGSTON K-4325-L | EXPOSED WATER CLOSET FLUSHOMETER CHROME PLATED SPUD COUPLING AND FLANGE FOR 1-1/2" TOP SPUD, LOW CONSUMPTION (1.6 GPF) SLOAN ROYAL #111-1.6 ES-S<br>SOLID PLASTIC ELONGATED SEAT WITH OPEN FRONT WITHOUT COVER<br>FIXTURE CARRIERS WATTS ISCA-101 D WATTS ISCA-101 L/R OR EQUAL |
| WC-2 | WATER CLOSET WALL MOUNT | LOW CONSUMPTION VITREOUS CHINA, ELONGATED RIM FLUSHVALVE WITH VACUUM BREAKER 1-1/2" TOP SPUD, KOHLER KINGSTON # 4325-L | EXPOSED WATER CLOSET FLUSHOMETER CHROME PLATED SPUD COUPLING AND FLANGE FOR 1-1/2" TOP SPUD, LOW CONSUMPTION (1.6 GPF) SLOAN ROYAL #111-1.6 ES-S<br>SOLID PLASTIC ELONGATED SEAT WITH OPEN FRONT WITHOUT COVER<br>FIXTURE CARRIERS WATTS ISCA 101 D WATTS ISCA-101-L/R OR EQUAL |

NOTES:

1. INSULATE SUPPLIES AND WASTE FOR ALL ADA COMPLIANT FIXTURES WITH HANDI-LAV GUARD BY TRU-BRO TYPICAL.
2. SEE PLUMBING FLOOR PLANS FOR FURTHER REQUIREMENTS TYPICAL.
3. COORDINATE FIXTURE CARRIERS AND ACCESSORIES WITH PLUMBING PLANS AND ARCHITECTURAL DETAILS TYPICAL.
4. PROVIDE REQUIRED MANUFACTURER'S TRANSFORMERS FOR ALL TOUCHLESS FIXTURES. COORDINATE QUANTITY OF FIXTURES PER TRANSFORMER WITH ELECTRICAL AND MANUFACTURER'S REQUIREMENTS. COORDINATE REQUIREMENTS AND INSTALLATION W/DIV 16. TYPICAL.

## PLUMBING SYMBOL LIST

| SYMBOL | DESCRIPTION |
|---|---|
| | BALL VALVE |
| | GATE VALVE |
| | CAP |
| | PIPE ELBOW TURNED UP |
| | PIPE ELBOW TURNED DOWN |
| | DOMESTIC COLD WATER SUPPLY PIPING |
| | DOMESTIC HOT WATER SUPPLY PIPING |
| | DOMESTIC HOT WATER RETURN PIPING |
| | NATURAL GAS PIPING |
| | SANITARY VENT PIPING |
| | PIPING TO BE PROVIDED |
| | UNDER SLAB PIPING TO BE PROVIDED |
| | CLEAN OUT |
| | FLOOR DRAIN |
| | TRAP PRIMER |
| | NON-FREEZE WALL HYDRANT |

## PLUMBING ABBREVIATIONS

| | |
|---|---|
| C.O | CLEANOUT |
| DCW | DOMESTIC COLD WATER SUPPLY |
| DHW | DOMESTIC HOT WATER SUPPLY |
| DHWR | DOMESTIC HOT WATER RETURN |
| DN | DOWN |
| DWH | DOMESTIC WATER HEATER |
| ET | EXPANSION TANK |
| F.C.O. | FLOOR CLEANOUT |
| FD | FLOOR DRAIN |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| JS | JANITOR'S SINK |
| LAV | LAVATORY |
| NFWH | NON-FREEZE WALL HYDRANT |
| NG | NATURAL GAS |
| NTS | NOT TO SCALE |
| PRV | PRESSURE REDUCING VALVE |
| SAN | SANITARY |
| SK | SINK |
| TM | THERMOSTATIC MIXING VALVE |
| TYP | TYPICAL |
| UR | URINAL |
| VTR | SANITARY VENT THROUGH ROOF |
| WC | WATER CLOSET |

**EXISTING CONDITIONS NOTE:**

THE CONTRACTOR(S) SHALL VISIT THE SITE PRIOR TO BIDDING, NOTING EXISTING CONDITIONS AND EQUIPMENT. IF SAID EQUIPMENT IS NOT BEING REMOVED AS PART OF THE PROJECT OR IS NOTED AS EXISTING TO REMAIN AND IMPEDES PROVIDING PROPOSED EQUIPMENT AND OR PROVIDING PROPOSED SCOPE OF WORK. EQUIPMENT SHALL BE TEMPORARILY RELOCATED AND COMPLETELY REINSTALLED AFTER PROPOSED SCOPE OF WORK IS COMPLETED. THIS SHALL BE PART OF THE BASE BID AND CONTRACTOR(S) SHALL BID ACCORDINGLY, NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR RELATED WORK OR COORDINATION WITH EXISTING CONDITIONS.

## PLUMBING GENERAL NOTES

1. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
2. PROVIDE FIXTURE SHUT OFF VALVES AND P-TRAPS FOR ALL FIXTURES PROVIDED. PROVIDE SANITARY, WASTE, AND DOMESTIC WATER PIPING AS REQUIRED FOR ALL FIXTURES PROVIDED.
3. REFER TO AND CAREFULLY CHECK ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS AND DETAILS, NOTING LOCATIONS WHERE WALLS, PARTITIONS, CEILINGS AND OTHER SURFACES ARE FURRED. LOCATION OF PIPE SLEEVES, LOCATIONS OF PIPE SHAFTS AND CONFLICTS WITH WORK OF OTHER TRADES AND ARRANGE WORK ACCORDINGLY. FURNISH ALL OFFSETS, FITTINGS, VALVES, DRAINS, ETC. REQUIRED TO MEET SUCH CONDITIONS.
4. DUE TO SCALE OF DRAWINGS, ALL REQUIRED OFFSETS, FITTINGS, VALVES, DRAINS, ETC MAY NOT BE INDICATED.
5. ALL PIPING PASSING THROUGH FIRE RATED WALLS SHALL BE PROVIDED WITH SCHEDULE 40 STEEL PIPE SLEEVES AND SPACE BETWEEN EXTERIOR OF PIPE AND INTERIOR OF PIPE SLEEVE PACKED WITH A FIRE RATED MATERIAL EQUAL TO THE RATING OF THE WALL.
6. UNLESS OTHERWISE INDICATED PROVIDE A COMPLETE AND OPERATIONAL PLUMBING SYSTEM INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL GOVERNING CODES.
8. THE TERM "PROVIDE" SHALL MEAN TO FURNISH INSTALL AND CONNECT COMPLETELY.
9. WHERE THE CONTRACTOR PROPOSES TO USE AN ITEM OF EQUIPMENT OTHER THAN THAT SPECIFIED OR DETAILED ON THE DRAWINGS WHICH REQUIRES ANY REDESIGN OF THE STRUCTURE, PARTITIONS, FOUNDATIONS, PIPING, WIRING OR ANY OTHER PART OF THE MECHANICAL, ELECTRICAL OR ARCHITECTURAL LAYOUT, ALL SUCH REDESIGN AND ALL NEW DRAWINGS AND DETAILING REQUIRED THEREFORE, SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE AND ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE OWNER OR HIS AUTHORIZED REPRESENTATIVE. OWNER RESERVES THE RIGHT TO HAVE THE ARCHITECT OR ENGINEER OF HIS CHOICE PREPARE ANY REDESIGN WORK.
10. ALL WORK SHALL BE DONE WITH LICENSED WORKMEN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.
11. CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR PIPE SLOPE AND ANCHORAGE.
12. BEFORE CUTTING OR DRILLING INTO BUILDING ELEMENTS, INSPECT AND LAYOUT WORK TO AVOID DAMAGING STRUCTURAL ELEMENTS AND BUILDING UTILITIES.
13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ACCEPTED:
    - A. INTERNATIONAL BUILDING CODE
    - B. CONNECTICUT SUPPLEMENT
    - C. INTERNATIONAL MECHANICAL CODE
    - D. ASTM & ANSI STANDARDS.
    - E. INTERNATIONAL PLUMBING CODE
    - F. FIRE SAFETY CODE
14. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND PAYMENT FOR ALL UTILITIES DAMAGED DURING CONSTRUCTION.
15. CONTRACTOR TO CONFIRM PIPE LOCATIONS, ELEVATIONS, AND SIZES BEFORE ANY WORK IS STARTED. IF ANY DISCREPANCIES ARE FOUND NOTIFY ENGINEER BEFORE PROCEEDING WITH WORK.
16. PROVIDE WATER SERVICE SHUT OFF VALVES ON WATER SUPPLY IMMEDIATELY ADJACENT TO PLUMBING FIXTURES.
17. PROVIDE SEISMIC BRACING OF ALL PLUMBING PIPES PER THE CONNECTICUT BUILDING CODE.
18. PROVIDE WATER HAMMER ARRESTERS FOR ALL FLUSH VALVES. SIZE AND LOCATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
19. FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION OF PROVIDED EQUIPMENT.
20. ALL PIPES THAT PENETRATE WALLS, FLOORS AND CEILINGS IN FINISHED AREAS SHALL RECEIVE CHROME PLATED METAL ESCUTCHEONS.
21. ALL SHOP DRAWINGS OF INDIVIDUAL COMPONENTS ARE TO BE SUBMITTED AS A COMPLETE PACKAGE.
22. ALL SHOP DRAWINGS OF RELATED COMPONENTS SHALL BE SUBMITTED AS A COMPLETE PACKAGE.
23. ALL WORK IN INTERIOR FINISHED SPACES IS TO BE CONCEALED BEHIND WALLS, ABOVE CEILINGS, OR UNDER THE FLOOR. PROVIDE ALL NECESSARY CUTTING, PATCHING, REPAINTING AND/OR REPLACEMENT OF FINISHES AS REQUIRED TO PERFORM WORK.
24. WRITTEN REQUESTS FOR PLANNED SHUTDOWN OR INTERRUPTION OF BUILDING SERVICES, SYSTEMS OR EQUIPMENT SHALL BE MADE IN WRITING 72 HOURS PRIOR TO START OF THE REQUESTED SHUTDOWN PERIOD.
25. SUPPORT PIPING ABOVE SUSPENDED CEILING, FROM CONSTRUCTION ABOVE, AS CLOSE AS POSSIBLE TO BOTTOM OF SLABS, BEAMS, MAINTAINING MAXIMUM HEADROOM AT ALL TIMES.
26. PROVIDE CLEANOUTS PER PLUMBING CODE.
27. ISLE AND CORRIDOR WAYS THROUGH CONSTRUCTION AREAS WHICH ARE REQUIRED FOR EGRESS (NORMAL OR EMERGENCY) SHALL BE KEPT CLEAR OF MATERIAL, EQUIPMENT, & DEBRIS.
28. ALL WORK SHALL BE LICENSED WORKMAN IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES.

**PLUMBING GENERAL NOTES:**

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED NOTING AND ACCOUNTING FOR EXISTING CONDITIONS. TYPICAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK INCLUDING TOOLS, MATERIAL, MANPOWER, ETC. REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF PROPOSED MATERIALS, FIXTURES AND/OR EQUIPMENT.
3. ALL WORK SHALL BE PERFORMED IN A SAFE AND ORDERLY MANNER WITH QUALIFIED AND LICENSED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL GOVERNING AUTHORITIES AND ALL APPLICABLE CODES AND STANDARDS. TYPICAL.
4. ALL SERVICE DISRUPTIONS MUST BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE WITH THE OWNER'S REPRESENTATIVE.
5. CONTRACTOR SHALL PROVIDE CLEANOUTS FOR PROPOSED SANITARY PIPING AS REQUIRED PER CURRENT APPLICABLE CODES AND STANDARDS. TYPICAL.
6. ROUTING OF ALL PIPING SHALL BE COORDINATED WITH STRUCTURAL FRAMING ELEMENTS AND ALL OTHER PROJECT DISCIPLINES. TYPICAL.
7. PROVIDE BOILER MAKE UP WATER TO BOILERS. PROVIDE ATMOSPHERIC ZONE BACKFLOW PREVENTER. COORDINATE WITH MECHANICAL.
8. PROVIDE EARTHQUAKE SHUT OFF VALVE AND GAS REGULATORS AS REQUIRED ON ALL NATURAL GAS SERVICES.
9. PROVIDE CONDENSATE DRAINAGE PIPING FOR ANY/ALL AIR HANDLERS, MAKE-UP AIR UNIT, ENERGY RECOVERY UNITS AND FAN COIL UNITS. COORDINATE WITH MECHANICAL. TYPICAL.

**PLUMBING FIXTURE NOTES:**

1. CONTRACTOR SHALL PROVIDE AND INSTALL ALL PLUMBING FIXTURES INDICATED ON PLANS. INSTALL PER MANUFACTURER'S REQUIREMENTS AND CURRENT CODES AND STANDARDS. PROVIDE ALL PIPING VALVES AND ACCESSORIES AS REQUIRED FOR FULL AND PROPER. SEE PLUMBING FIXTURE SCHEDULE FOR FURTHER REQUIREMENTS. TYPICAL.
2. PROVIDE 1/2" DCW AND 1/2" DHW SUPPLIES TO EACH SINK. PROVIDE FIXTURE STOPS FULL SIZE OF PIPE. PROVIDE 2" P-TRAP AND WASTE BRANCH 1-1/2" VENT. TYPICAL EACH SINK.
3. PROVIDE 3/4" DCW SUPPY TO EACH NON-FREEZE WALL HYDRANT. PROVIDE 3/4" FIXTURE STOP. TYPICAL EACH NON-FREEZE HYDRANT.
4. PROVIDE 1/2" DCW AND 1/2" DHW SUPPLIES TO EACH LAVATORY. PROVIDE FIXTURE STOPS FULL SIZE OF PIPE. PROVIDE 1-1/2" P-TRAP AND WASTE BRANCH, 1-1/4" VENT. TYPICAL EACH LAVATORY.
5. PROVIDE 1-1/2" DCW SUPPLY TO EACH WATER CLOSET. PROVIDE FIXTURE STOP, FULL SIZE OF PIPE. PROVIDE 4" SANITARY, AND 2" VENT. TYPICAL EACH WATER CLOSET.
6. PROVIDE 3/4" DCW SUPPLY TO EACH URINAL. PROVIDE FIXTURE STOP, FULL SIZE OF PIPE. PROVIDE 3" SANITARY, AND 2" VENT. TYPICAL EACH URINAL.
7. PROVIDE 3" SAN, 1-1/2"V TO FLOOR DRAIN. PROVIDE TRAP PRIMER WITH 1/2" DCW ON TO TO FD TRAP PRIMER CONNECTION. TYPICAL EACH FLOOR DRAIN.

ANTINOZZI ASSOCIATES

[illegible]

SALAMONE & ASSOCIATES, P.C.

CONSULTING ENGINEERS

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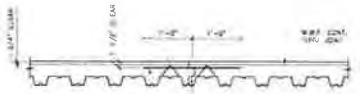
PLUMBING DETAILS SCHEDULES SYMBOLS NOTES AND ABBREVIATIONS

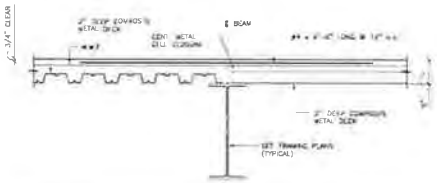
BS | JAS

P-201

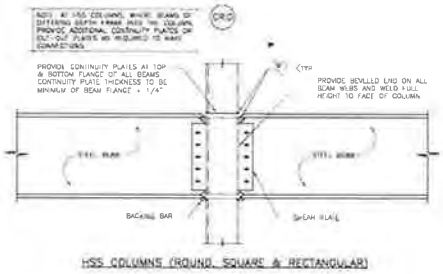
02 JANUARY 2018 | 16010



TYPICAL SLAB CONSTRUCTION JOINT DETAIL
NO SCALE

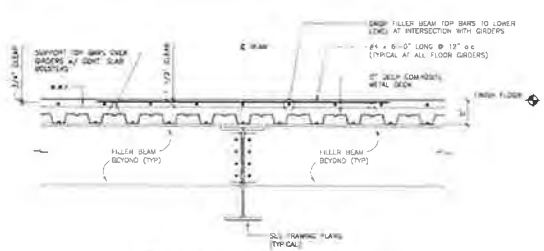


TYPICAL DETAIL AT DIRECTION CHANGE OF METAL DECK
NO SCALE

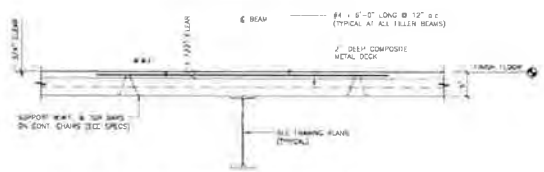


HSS COLUMNS (ROUND, SQUARE & RECTANGULAR)

TYPICAL BEAM TO COLUMN MOMENT CONNECTION DETAIL
NO SCALE



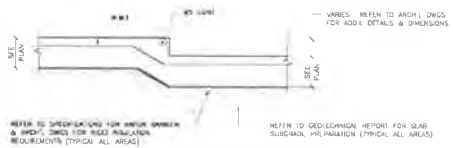
METAL DECK PARALLEL TO FRAMING



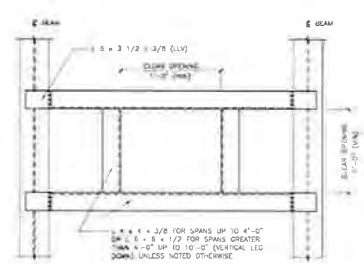
METAL DECK PERPENDICULAR TO FRAMING

TYPICAL FLOOR CONSTRUCTION DETAILS
NO SCALE

NOTE:
1 COMPOSITE FLOOR CONSTRUCTION IS UL DESIGN D826. REFER TO ARCH'L DRAWINGS FOR ADDITIONAL INFORMATION



TYPICAL DEPRESSED SLAB ON GRADE DETAIL
NO SCALE



TYPICAL ANGLE FRAME OPENING
NO SCALE

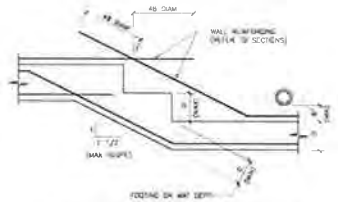
1 PROVIDE AT ALL ROOF DRAINS AND HOOD PENETRATIONS WHERE FRAMING MEMBERS ARE NOT INDICATED. MAX WEIGHT 500 LBS

LOOSE LINTEL SCHEDULE

| SPAN | LINTEL SIZE | REMARKS |
|---|---|---|
| UP TO 4'-0" | L 4 x 3 1/2 x 5/16 | |
| OVER 4'-0" TO 8'-0" | L 6 x 3 1/2 x 3/8 | |
| UP TO 8'-0" | L 7 x 4 x 3/8 (LLH) | MEETING ROOMS |
| | | |

LOOSE LINTEL NOTES:

1 PROVIDE (1) ANGLE FOR EVERY 4" OF MASONRY WALL THICKNESS WHERE ANGLES ARE NOTED
2 ALL ANGLE LINTELS SHALL BE PLACED LONG LEG VERTICAL (LLV) UNLESS OTHERWISE INDICATED
3 AT HOLLOW MASONRY, FILL TWO (2) COURSES x 1'-4" LONG SOLID w/ GROUT BELOW BEARING PROVIDE 1'-0" MIN BEARING EACH END (W.O. = 2'-0") (UNLESS OTHERWISE NOTED)
4 WHERE INDICATED BEARING CANNOT BE ACHIEVED ON WHERE END OF LINTEL IS LESS THAN 2'-0" FROM A BUILDING COLUMN, CONNECT LINTEL TO COLUMN
5 SHOP WELD GRIP STAY CHANNELS (OR SIMILAR ADJUSTABLE ANCHORS) TO BOTH SIDES OF LINTEL WEBS AT 16" o.c. FOR ANCHORING MASONRY TO LINTEL
6 WHERE LINTEL SIZES INTERFERE w/ STEEL FRAMING, PROVIDE HANGERS, BRACES & OTHER INCIDENTAL MEMBERS AS REQ'D TO SATISFY MASONRY WALL SUPPORT REQUIREMENTS
7 ALL EXTERIOR LINTELS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION



TYPICAL STEPPED FOOTING DETAIL
NO SCALE

## DESIGN BASIS

GENERAL NOTES:

SHOP DRAWINGS ARE TO BE CHECKED BY THE CONTRACTOR AND BEAR THE CHECKER'S INITIALS BEFORE BEING SUBMITTED TO THE ARCHITECT

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE AND TO ENSURE THE SAFETY OF THE EXISTING BUILDING AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY

WHERE DETAILS ARE NOT INDICATED THEY SHALL BE CONSIDERED TYPICAL AND APPLY AT SAME AND SIMILAR CONDITIONS

WORK: THESE DRAWINGS WITH SITE, ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF OPENINGS, RECESSES, BUILT-IN WORK, ETC.

FLOOR LIVE LOAD:

| AREA | UNIFORM LOAD | CONCENTRATED LOAD: |
|---|---|---|
| LOBBY/PUBLIC AREAS | 100 PSF | |
| MEETING ROOMS | 50 PSF | |
| MECHANICAL ROOMS | 150 PSF | |
| STORAGE | 125 PSF | |
| STAIRS, LANDINGS, PLATFORMS | 100 PSF | 300 LBS (4 in² OF TREAD) |
| PARTITIONS | 15 PSF | |
| ALLOWABLE SOIL BEARING PRESSURE | 3,500 POUNDS PER SQ. FT. | |

ROOF SNOW LOAD

| | |
|---|---|
| GROUND SNOW LOAD, $P_g$ | 30 PSF |
| FLAT ROOF SNOW LOAD, $P_f$ | 30 PSF |
| SNOW EXPOSURE FACTOR, $C_e$ | 1.0 |
| SNOW LOAD IMPORTANCE FACTOR, $I_s$ | 1.0 (CATEGORY II) |
| THERMAL FACTOR, $C_t$ | 1.0 |

WIND DESIGN DATA

| | |
|---|---|
| BASIC WIND SPEED (3-SECOND GUST) | 97 MPH (NOMINAL) |
| | 125 MPH (ULTIMATE) |
| WIND IMPORTANCE FACTOR, $I_w$ | 1.00 (CATEGORY II) |
| WIND EXPOSURE | B |

COMPONENTS & CLADDING DESIGN PROCEDURE: ASCE 7-10 METHOD 1
MAIN WIND FORCE-RESISTING SYSTEM DESIGN PROCEDURE: ASCE 7-10 METHOD 1

EARTHQUAKE DESIGN DATA

| | |
|---|---|
| SITE CLASS | D |
| SEISMIC IMPORTANCE FACTOR, $I_e$ | 1.00 (CATEGORY II) |
| PEAK GROUND ACCELERATION $S_s$ (SHORT PERIOD) | 0.209g |
| $S_1$ (1 SECOND PERIOD) | 0.064g |
| MAXIMUM EARTHQUAKE SPECTRAL RESPONSE ACCELERATION $S_{Ms}$ (SHORT PERIOD) | 0.334g |
| $S_{M1}$ (1 SECOND PERIOD) | 0.154g |
| DESIGN SPECTRAL RESPONSE ACCELERATION: $S_{DS}$ (SHORT PERIOD) | 0.223g |
| $S_{D1}$ (1 SECOND PERIOD) | 0.103g |
| SEISMIC USE GROUP | II |
| SEISMIC DESIGN CATEGORY | B |
| SHORT PERIOD RESPONSE ACCELERATIONS | B |
| 1 SECOND PERIOD RESPONSE ACCELERATIONS | B |
| ANALYSIS PROCEDURE | EQUIVALENT LATERAL FORCE PROCEDURE |
| BASIC STRUCTURAL SYSTEM | STRUCTURAL STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE |
| SEISMIC RESISTING SYSTEM | STEEL MOMENT FRAMES |
| RESPONSE MODIFICATION FACTOR, R | 3.0 |
| DEFLECTION AMPLIFICATION FACTOR, $C_d$ | 3.0 |
| SEISMIC BASE SHEAR, V = 52 KIPS | ($C_s$ = .095) |


ANTINOZZI ASSOCIATES

THOMAS A. TORRENTI, P.C.
Consulting Engineers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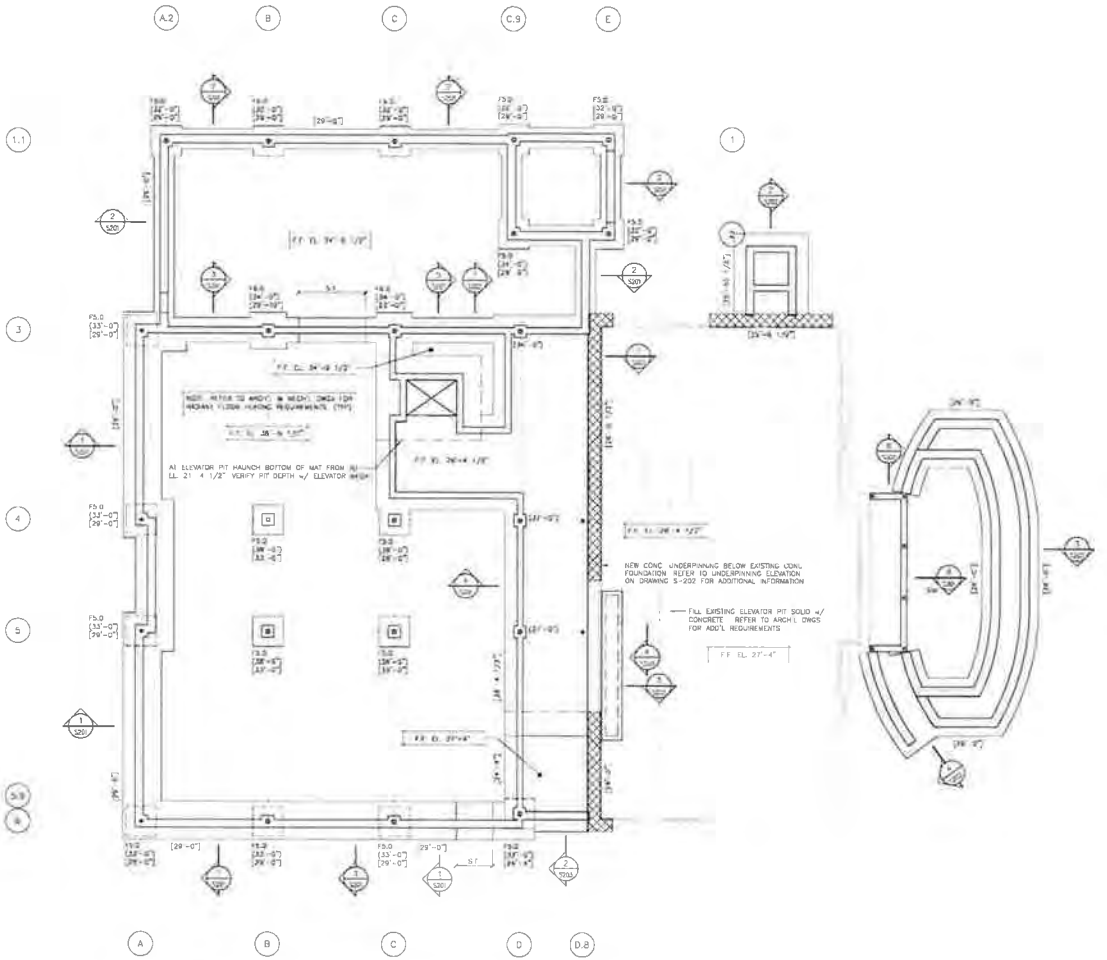


## FOUNDATION PLAN

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

PROJECT NORTH

### FOUNDATION PLAN NOTES:

1. REFER TO ARCH'L DWGS FOR WALL DIMENSIONS & WALL LOCATIONS
2. TOP OF CONCRETE SLAB VARIES. REFER TO PLAN AND SECTIONS
3. TYPICAL UPPER BASEMENT FLOOR CONSTRUCTION: 5" - 0" THICK CONCRETE MAT REINF. w/ #6 @ 12" o.c. EACH WAY TOP & BOTTOM ON COMPACTED CRUSHED STONE OR COMPACTED GRANULAR FILL.
4. TYPICAL COMMUNITY LEVEL AND FIRST FLOOR SLAB ON GRADE CONSTRUCTION: 5" THICK CONCRETE SLAB REINF. w/ 6 x 6 - W2.0 x W2.0 W.W.F. ON COMPACTED GRANULAR FILL OR CRUSHED STONE
5. ALL CONCRETE PIERS & PILASTERS SHALL BE 24" x 24" MINIMUM REINF. w/ 8-#8 VERT. w/ #3 CLOSED TIES @ 12" o.c. PROVIDE 3-#3 SEISMIC TIES IN TOP 4" OF PIER (REFER TO TYPICAL PIER DETAILS)
6. SEE ARCH'L DWGS FOR SPECIAL WALL FINISHES
7. SEE ARCH'L DRAWINGS FOR LAYOUT & OTHER INFORMATION NOT SHOWN
8. SEE ARCH'L DRAWINGS FOR LOCATIONS OF WALLS, OPENINGS, RAISED & DEPRESSED SLABS RAMPS, SLAB PITCHES, ETC. THAT ARE RELATED TO THE WORK OF OTHER TRADES.
9. REFER TO GEOTECHNICAL REPORT PREPARED BY GZA, DATED DECEMBER 1, 2017 FOR REQUIMENTS PERTAINING TO REMOVAL OF UNSUITABLE FILL, SUBSURFACE PREPARATION, GRADATION OF MATERIAL TO BE USED, ETC. ALL SUBSURFACE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THIS REPORT UNLESS NOTED OR OTHERWISE SPECIFIED BY THE GEOTECHNICAL ENGINEER

### COLUMN FOOTING SCHEDULE

| MARK | SIZE | REINF. (BOTTOM) |
|---|---|---|
| F4.0 | 4'-0" x 4'-0" x 1'-0" STEP | 5-#8 EA. WAY |
| F5.0 | 5'-0" x 5'-0" x 1'-0" STEP | 7-#8 EA. WAY |
| F6.0 | 6'-0" x 6'-0" x 1'-0" STEP | 7-#8 EA. WAY |

### LEGEND:

- F4.0 — FOOTING MARK (SEE SCHEDULE)
- (...) — EL. TOP OF CONC. PIER
- [...] — EL. BOTTOM OF CONC. FOOTING OR MAT
- S.F. — STEPPED FOOTING


ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

THOMAS A. TORRENTI, P.C.
Consulting Engineers


REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|

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FOUNDATION PLAN

As indicated | DFS | TAT

S-100

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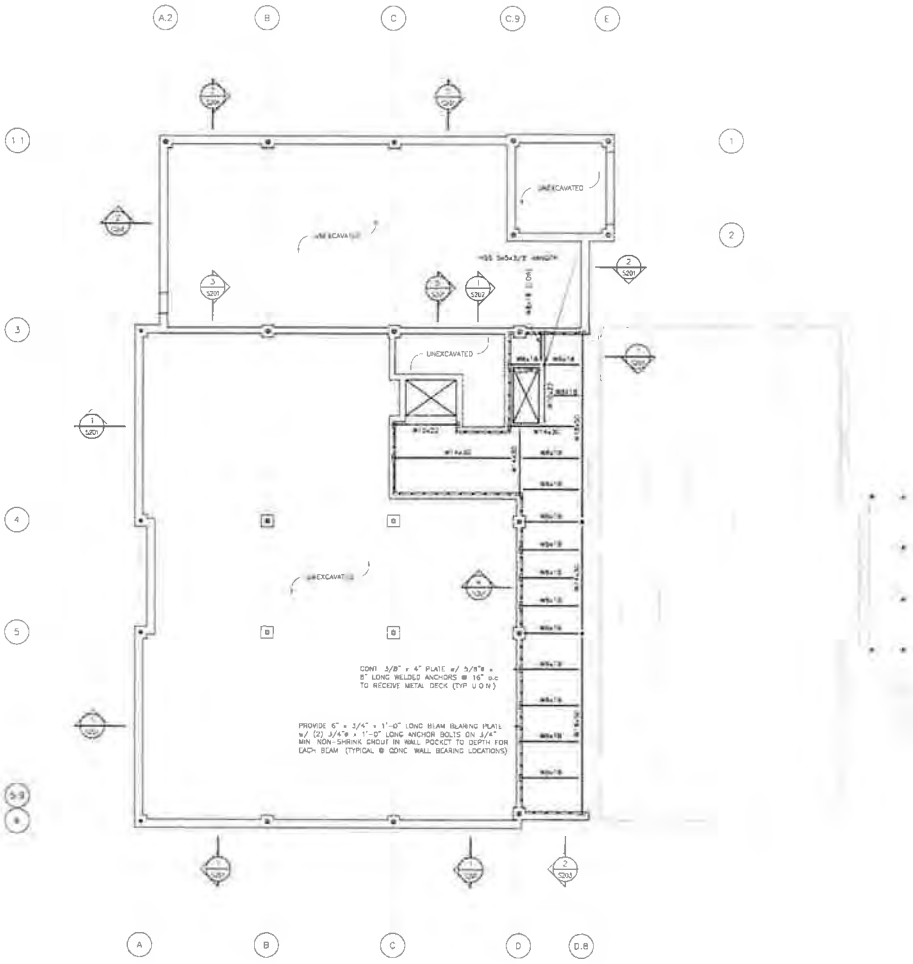


## FIRST FLOOR FRAMING PLAN

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

PROJECT NORTH

### FIRST FLOOR FRAMING PLAN NOTES:

1. REFER TO ARCH'L DWGS FOR EXACT DIMENSIONS & WALL LOCATIONS.
2. TOP OF FIRST FLOOR CONCRETE SLAB IS +0.0". REFER TO PLAN & SECTIONS.
3. TYPICAL FIRST FLOOR CONSTRUCTION: 5" THICK R.C. CONCRETE SLAB W/ 6x6-W2.1xW2.1 W.W.F. OVER 2"x18 GAGE GALV. COMPOSITE METAL DECK
4. ALL EDGES OF FLOOR DECK SHALL BE CONTINUOUSLY SUPPORTED WHERE EDGES CANNOT BE SUPPORTED BY FRAMING, PROVIDE 3/8" CONT. (U.N.) PLATE. WHERE (E)W.F. PLATE EXTENDS MORE THAN 6" BEYOND EDGE OF BEAM FLANGE, PROVIDE L3x3x3/8 STIFFENERS AT 2'-8" o.c.
5. REFER TO "LOOSE LINTEL SCHEDULE" ON DWG S-003 FOR NEW OPENINGS IN MASONRY WALLS (TYPICAL ALL AREAS UNLESS OTHERWISE NOTED ON PLAN)

ANTINOZZI ASSOCIATES

THOMAS A. TORRENTI, P.C.
Consulting Engineers

REVISIONS
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FIRST FLOOR FRAMING PLAN

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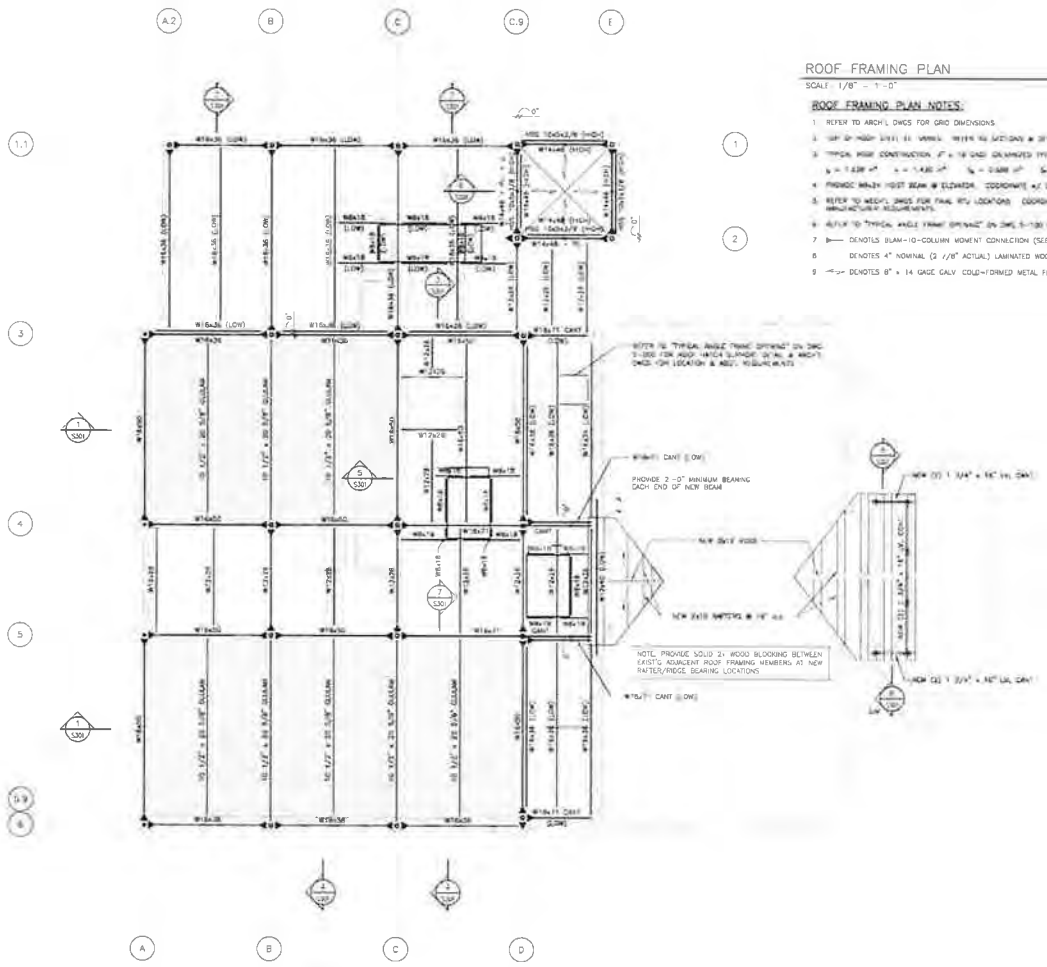


## ROOF FRAMING PLAN

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

PROJECT NORTH

### ROOF FRAMING PLAN NOTES:

1. REFER TO ARCH'L DWGS FOR GRID DIMENSIONS
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. ⊢— DENOTES BLAM-10-COLUMN MOMENT CONNECTION (SEE TYPICAL DETAIL)
8. DENOTES 4" NOMINAL (2 7/8" ACTUAL) LAMINATED WOOD DECKING OVER GLUED LAMINATED WOOD BEAMS
9. —<— DENOTES 8" x 14 GAGE GALV. COLD-FORMED METAL FRAMING

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

THOMAS A. TORRENTI P.C.
Consulting Engineers

DELINEATION

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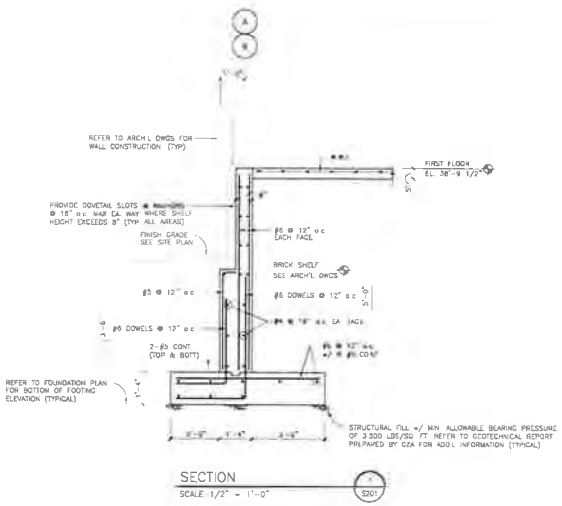
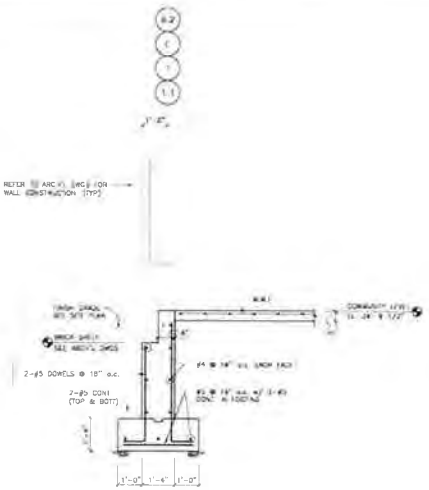



SECTION
SCALE: 1/2" = 1'-0"
1 S201

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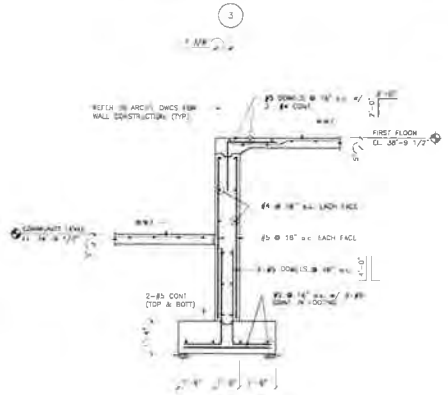
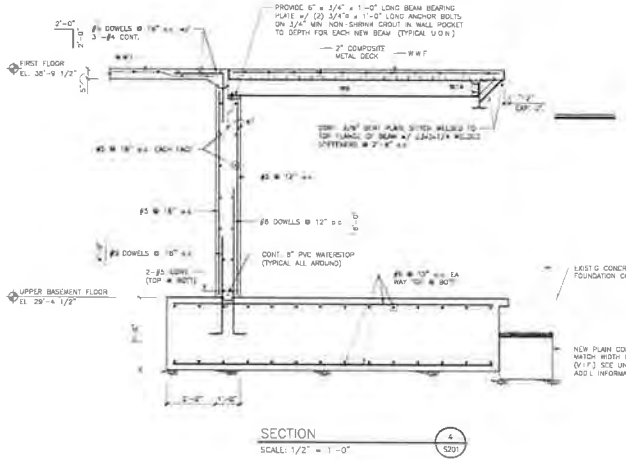
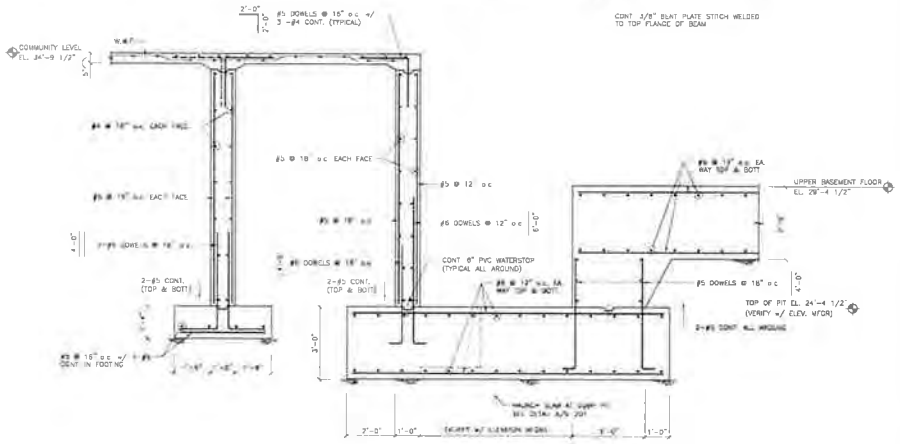



SECTION
SCALE: 1/2" = 1'-0"
3 S201




SECTION
SCALE: 1/2" = 1'-0"
4 S201




SECTION
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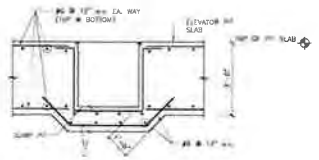
5 S201




ELEVATOR SUMP PIT DETAIL
SCALE: 1/2" = 1'-0"
A S201

ANTINOZZI ASSOCIATES

THOMAS A. TORRENTI, P.C.
Consulting Engineers

| NO | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

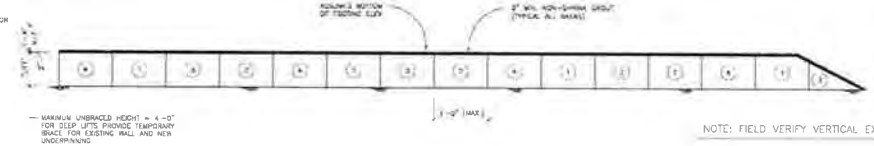
NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

FOUNDATION SECTIONS

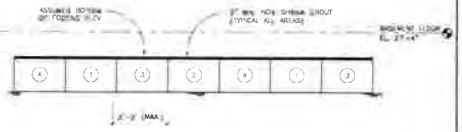
AS INDICATED | DFB | TAT

S-201

16010




NOTE: FIELD VERIFY VERTICAL EXTENT OF EXISTING FOOTING




## UNDERPINNING ELEVATION

NO SCALE

### EXISTING WALL UNDERPINNING SEQUENCE:

1 START WITH SEGMENTS (1) ONLY, DIG PITS 3'-0" WIDE, MAXIMUM, SIMULTANEOUSLY PLACING REQ'D UNDERPINNING PIT BOXES TO BE FORMED ON A MINIMUM OF THREE SIDES (MAINTAIN A MINIMUM OF 9'-0" OF EXISTING SOIL BETWEEN UNDERPINNING PITS)

2 CLEAN BOTTOM OF EXISTING FOOTING AND RECOMPACT DISTURBED SOIL AT BOTTOM OF PIT WITH MECHANICAL PAN TAMPERS COMPACT TO 85% OF THE MAXIMUM DENSITY OF THE SOIL. LOSS OF GROUND SHOULD BE KEPT TO A MINIMUM BY BACKFILLING BEHIND BOARDS WHERE AND WHEN POSSIBLE

3 UNDERPINNING CONTRACTOR SHALL INSTALL ADEQUATE LATERAL BRACING TO PREVENT MOVEMENT OF THE UNDERPINNING PITS

4 POUR NEW CONCRETE UNDERPINNING FOR SEGMENTS (1) AFTER CONCRETE ATTAINS 70% OF THE DESIGN STRENGTH, OR 96 HOURS, PLACE 3" MIN. DRYPACK NON-SHRINK GROUT INTO SPACE BETWEEN TOP OF UNDERPINNING AND BOTTOM OF EXISTING FOOTING TO TRANSFER LOAD. ENSURE THAT BACK OF VOID IS FORMED SO THAT DRYPACK IS NOT LOST WHEN RAMMED INTO THE GAPS.

5 FOR SEGMENTS (2) DIG PITS 3'-0" MAXIMUM WIDE WITH REQ'D UNDERPINNING PIT BOXES.

6 FOR SEGMENTS (2) REPEAT CONCRETING CLEANING COMPACTION & DRYPACKING AS DESCRIBED IN NOTES 2, 3 & 4 ABOVE

7 FOR SEGMENTS (3) DIG PITS 3'-0" MAXIMUM WIDE WITH REQ'D UNDERPINNING PIT BOXES

8 FOR SEGMENTS (3) REPEAT CONCRETING, CLEANING COMPACTION & DRYPACKING AS DESCRIBED IN NOTES 2, 3 & 4 ABOVE

9 FOR SEGMENTS (4) , DIG OUT SOIL BETWEEN COMPLETED SEGMENTS (3) AND (4) AND FORM UNDERPINNING PIT.

10 FOR SEGMENTS (4) REPEAT CONCRETING CLEANING, COMPACTION & DRYPACKING AS DESCRIBED IN NOTES 2, 3 & 4 ABOVE

11 WHERE BOTTOM OF ADJACENT UNDERPINNING PITS ARE AT DIFFERENT ELEVATIONS, THE DEEPER PIT SHALL BE INSTALLED FIRST.

12 UNDERPINNING PITS CLOSER THAN 9'-0" APART SHALL NOT BE EXCAVATED AT THE SAME TIME.

### UNDERPINNING NOTES:

1 DO NOT TRANSFER THE BUILDING LOAD ONTO NEW UNDERPINNING WALLS UNTIL ALL WALLS HAVE ATTAINED 70% OF THE CONCRETE DESIGN STRENGTH AS CONFIRMED BY CYLINDER TESTS OR 96 HOURS.

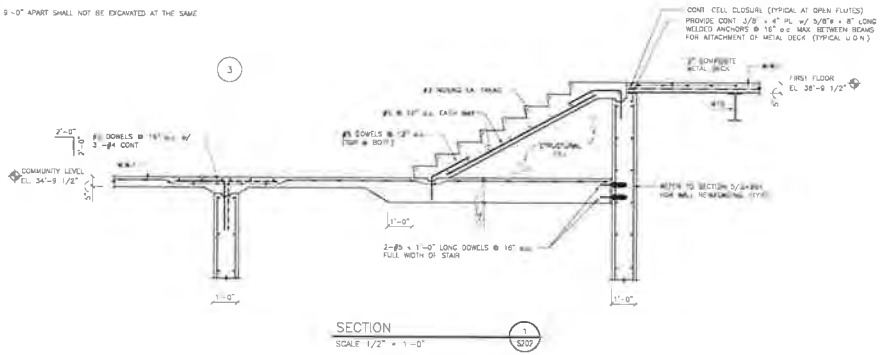
2 DO NOT PLACE BACKFILL AGAINST NEW UNDERPINNING WALLS UNTIL WALLS HAVE ATTAINED 70% OF THE CONCRETE DESIGN STRENGTH AS CONFIRMED BY CYLINDER TESTS OR 96 HOURS

3 ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF = 4,000 PSI AT 28 DAYS

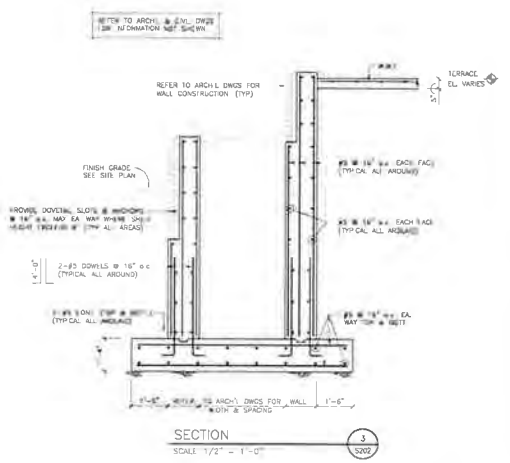
4 ALL GROUT SHALL BE NON-SHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF > 5,000 PSI.

5 EXCAVATED MATERIAL AND SUPERIMPOSED LOADS SUCH AS EQUIPMENT AND TRUCKS SHALL NOT BE PLACED CLOSER TO THE EDGE OF THE EXCAVATION THAN A DISTANCE EQUAL TO ONE AND ONE-HALF TIMES THE DEPTH OF SUCH EXCAVATION

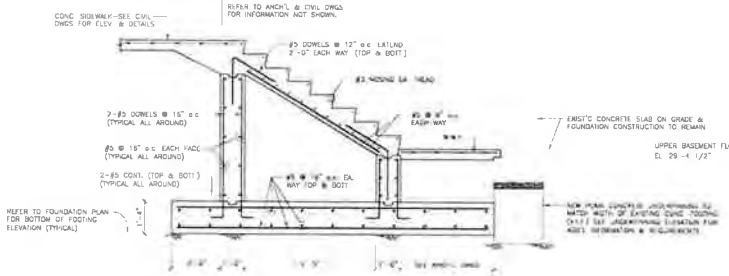
6 THE UNDERPINNING SHALL BE INSTALLED IN A MANNER SUCH THAT THE EXPOSED FACE OF THE CONCRETE IS VERTICAL (OR AS OTHERWISE SPECIFIED), CLEAN AND NEAT.



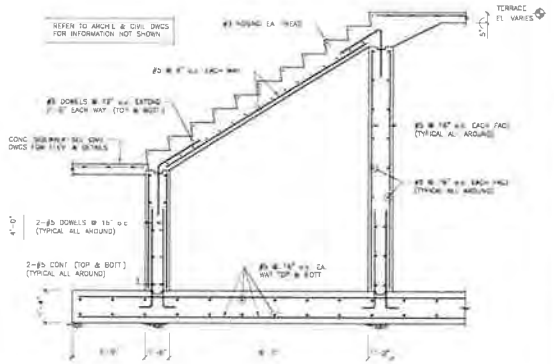

SECTION 1 S202
SCALE 1/2" = 1'-0"




SECTION 3 S202
SCALE 1/2" = 1'-0"




SECTION 2 S202
SCALE 1/2" = 1'-0"




SECTION 4 S202
SCALE 1/2" = 1'-0"

ANTINOZZI ASSOCIATES

THOMAS A. TORRENTI P.C.
Consulting Engineers

| NO | DATE | DESCRIPTION |
|---|---|---|

# BRIDGEPORT LIBRARY

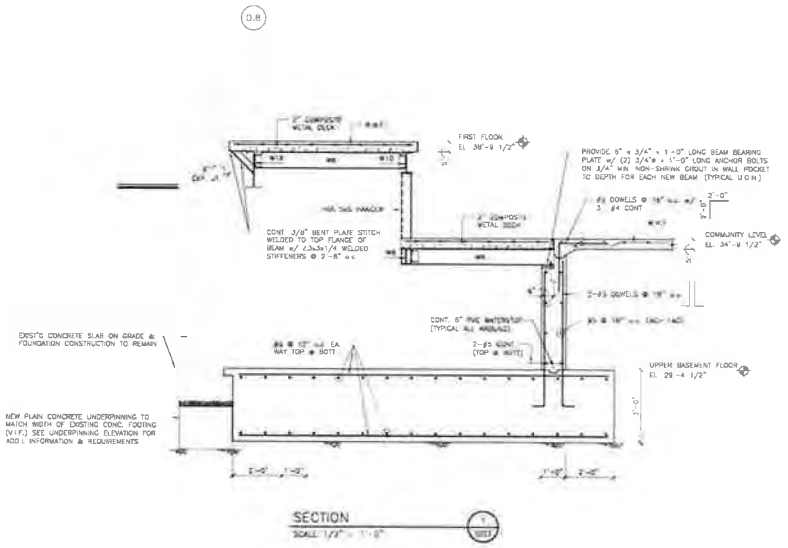
NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

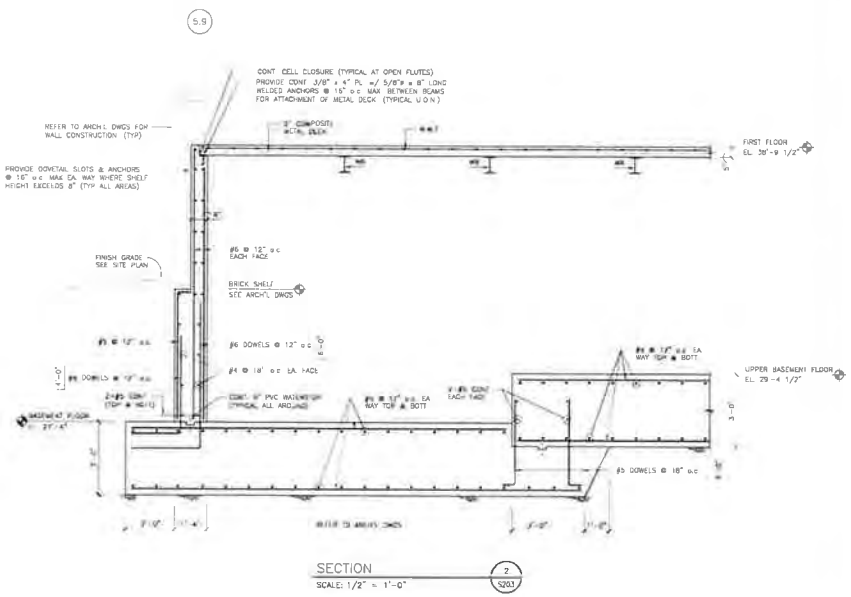
FOUNDATION SECTIONS & UNDERPINNING ELEVATION

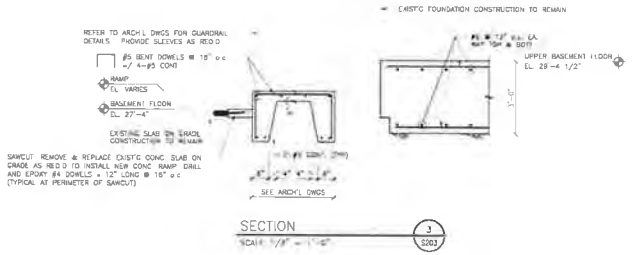
As noted | DEB | TAT

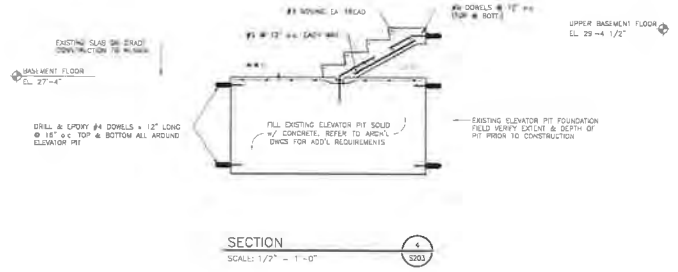
S-202

17 JANUARY 2019 | REV: 0




ANTINOZZI ASSOCIATES

THOMAS A. TORRENTI, P.C.
Consulting Engineers

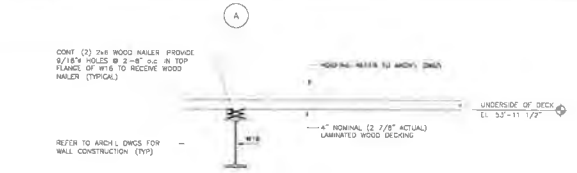
# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

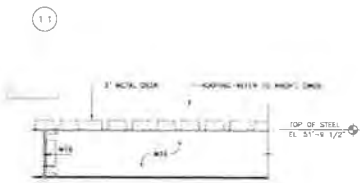
FOUNDATION SECTIONS

S-203

12 JANUARY 2018 | 16010




SECTION
SCALE: 3/4" = 1'-0"
1 S301




SECTION
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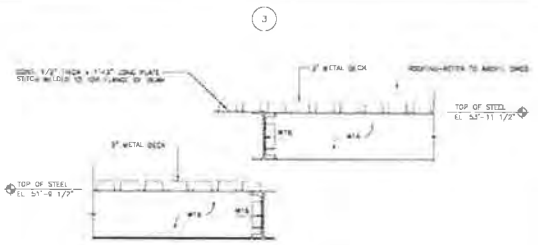
2 S301




SECTION
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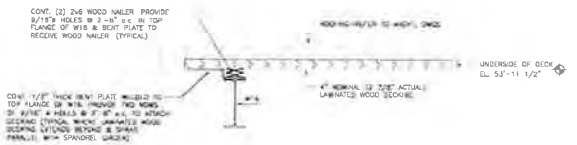
3 S301

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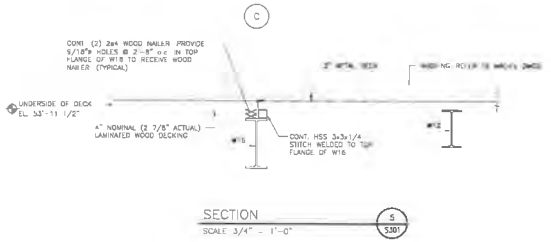
4 S301




SECTION
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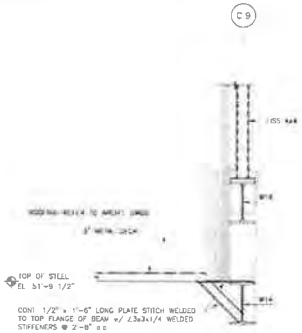
5 S301




SECTION
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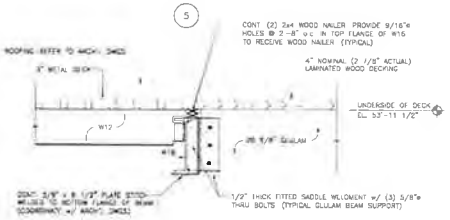
6 S301




SECTION
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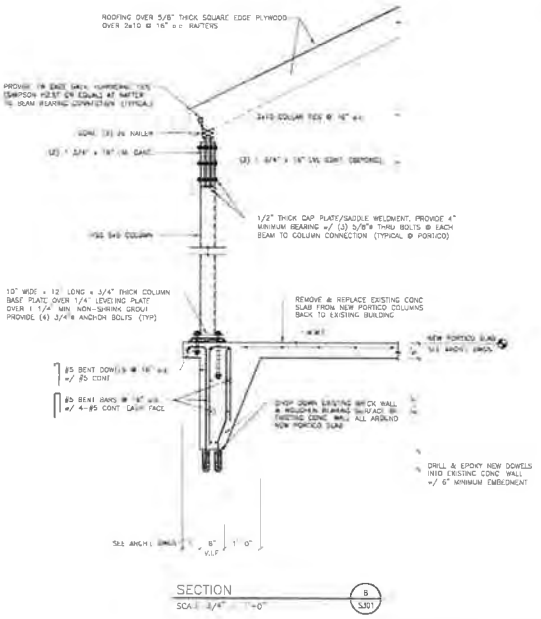
7 S301




SECTION
SCALE: 3/4" = 1'-0"
8 S301

ANTINOZZI ASSOCIATES

THOMAS A. TORRENTI, P.C.
Consulting Engineers

BRIDGEPORT LIBRARY
NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

FRAMING SECTIONS

As indicated | DFB | TAT

S-301

## COLUMN SCHEDULE

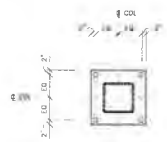
| COLUMN LOCATION | A-3 | A-4 | A-5 | A-6 | A2-1.1 | B-1.1 | B-3 | B-4 | B-5 | B-6 | C-1.1 | C-3 | C-4 | C-5 | C-6 | C8-1 | C8 | C8-2 | D-3 | D-4 | D-5 | D-6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAP PLATE | | | | | | | | | | | | | | | | | | | | | | |
| TOWER T.O.S. EL. 60'-7" | | | | | | | | | | | | | | | | | | | | | | |
| UPPER ROOF T.O.S. EL. 53'-11 1/2" | | | | | | | | | | | | | | | | | | | | | | |
| LOWER ROOF T.O.S. EL. 51'-9 1/2" | | | | | | | | | | | | | | | | | | | | | | |
| FIRST FLOOR EL. 38'-9 1/2" | | | | | | | | | | | | | | | | | | | | | | |
| COMMUNITY LEVEL EL. 34'-9 1/2" | | | | | | | | | | | | | | | | | | | | | | |
| UPPER BASEMENT FLOOR EL. 29'-4 1/2" | | | | | | | | | | | | | | | | | | | | | | |
| ANCHOR BOLTS | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | N/A | 8-1"ø | 4-1"ø | 4-1"ø | 4-1"ø | 4-1"ø |
| BASE PLATE | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 9"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" | 18"x1"x18" |
| EMBEDMENT | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | 16" | N/A | 16" | 16" | 16" | 16" | 16" |

## COLUMN SCHEDULE

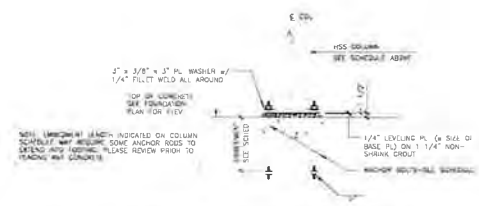
| COLUMN LOCATION | 1 | 2 | C8-4 | C8-5 | J-1 | J | K-2 | PORTICO COLUMNS (TYP OF 8) |
|---|---|---|---|---|---|---|---|---|
| CAP PLATE | | | | | | | | |
| TOWER T.O.S. EL. 60'-7" | | | | | | | | |
| UPPER ROOF T.O.S. EL. 53'-11 1/2" | | | | | | | | |
| LOWER ROOF T.O.S. EL. 51'-9 1/2" | | | | | | | | |
| FIRST FLOOR EL. 38'-9 1/2" | | | | | | | | |
| COMMUNITY LEVEL EL. 34'-9 1/2" | | | | | | | | |
| UPPER BASEMENT FLOOR EL. 29'-4 1/2" | | | | | | | | |
| ANCHOR BOLTS | N/A | N/A | 4-1"ø | 4-1"ø | 4-1"ø | N/A | 4-1"ø | 4-1"ø |
| BASE PLATE | 9"x1"x18" | 9"x1"x18" | 12"x1"x12" | 12"x1"x12" | 18"x1"x18" | 9"x1"x18" | 18"x1"x18" | 13"x3/4"x10" |
| EMBEDMENT | N/A | N/A | 16" | 16" | 16" | N/A | 16" | 12" |

COLUMN SCHEDULE NOTES:

1. ALL ANCHOR RODS SHALL CONFORM TO ASTM F1554 GRADE 36.
2. OVERSIZE HOLES MAY BE USED FOR BASE PLATES.
3. STANDARD SIZE HOLES SHALL BE USED FOR LEVELING PLATES.
4. PROVIDE 3/4" THICK CAP PLATES FOR ALL COLUMNS U.O.N.
5. INTERRUPT COLUMNS AS REQ'D TO ACCOMMODATE CONTINUITY & OTHER CONNECTION PLATES, ETC.
6. REFER TO PLANS, SECTIONS, DETAILS & NOTES FOR MISC. VERTICAL & INCLINED COLUMNS, GIRTS & OTHER INFORMATION NOT INDICATED ON SCHEDULE.




PLAN




TYPICAL COLUMN BASE PLATE DETAIL

NO SCALE

ANTINOZZI ASSOCIATES
ARCHITECTURE & INTERIORS

THOMAS A. TORRENTI, P.C.
Consulting Engineers

# BRIDGEPORT LIBRARY

NEWFIELD LIBRARY RENOVATIONS / ADDITION
755 CENTRAL AVENUE
BRIDGEPORT, CONNECTICUT

COLUMN SCHEDULE

As Indicated | DFB | TAT

S-401

17 JANUARY 2018 | 16010

**Exhibit 5**

## Standards

The following standards are incorporated by reference:

1. Connecticut Buildingh Standard Guidelines Compliance Manual for High Performance Buildings (September, 2011) which may found at :

http://www.ct.gov/deep/lib/deep/energy/buildingstandards/complianc emanualhighperformancebuildings.pdf

2. 2012 International Energy Conservation Code which be found at:

https://up.codes/viewer/connecticut/iecc-2012

3. ASHRAE Standard 90.1-2010 (I-P Edition) -- Energy Standard for Buildings Except Low-Rise Residential Buildings which may be found at:

https://www.techstreet.com/ashrae/standards/ashrae-90-1-2010-i-p?ashrae_auth_token=&gateway_code=ashrae&product_id=1739526

**Exhibit 6**

## Proposed GMP

A GMP in the total amount of $6,203,181 proposed by Developer dated June 19, 2018 and submitted for review by the Library Board is attached and incorporated by reference. The attached GMP is subject to the review and Approval of the Library Board as set forth in Article II of this Development Agreement .

The Final GMP, when Approved by the Library Board shall be confirmed by an Approval dated and attached as Exhibit 6A to become an integral part of the Development Agreement as if fully incorporated in it.

# Ashlar Construction LLC

Guaranteed Maximum Price (GMP)

Newfield Library

(Renovation and Addition)

*6/19/2018*

| *ITEMS* | | *TOTAL* |
|---|---|---|
| 1.0 General Conditions | SUBTOTAL | $ 1,051,300 |
| 02A Selective Demolition | SUBTOTAL | $ 350,400 |
| 03A Sitework | SUBTOTAL | $ 695,000 |
| 04A Masonry | SUBTOTAL | $ 220,000 |
| 05A Structural St'l/Misc Metals | SUBTOTAL | $ 326,000 |
| 06A Finish Carpentry/Millwork | SUBTOTAL | $ 318,500 |
| 07A Firestopping | SUBTOTAL | $ 40,000 |
| 07B Roofing | SUBTOTAL | $ 268,000 |
| 08A Doors & Windows | SUBTOTAL | $ 379,000 |
| 09A General Trades | SUBTOTAL | $ 42,300 |
| 09B Resilient/Flooring | SUBTOTAL | $ 99,900 |
| 09C Ceramic/Porcelin Tile | SUBTOTAL | $ 61,000 |
| 09D Painting | SUBTOTAL | $ 59,500 |
| 14A Elevators | SUBTOTAL | $ 95,000 |
| 15A Mechanical | SUBTOTAL | $ 694,000 |
| 15B Plumbing | SUBTOTAL | $ 212,000 |
| 16A Electrical | SUBTOTAL | $ 609,400 |
| Construction Fee and Overhead | | $ 386,491 |
| | | |
| | Construction Subtotal | $ 5,907,791 |
| | | |
| | Contingency 5% | $ 295,390 |
| GMP TOTAL | | $ 6,203,181 |

**Exhibit 7**

## Project Final Completion Schedule

The Project Final Completion Schedule when Approved by the Developer and Library Board shall be attached as Exhibit 7 to become an integral part of the Development Agreement as if fully incorporated in it.

**Exhibit 8**

## Certificate of Substantial Completion

To be provided by Architect in accordance with Article III, Section A (8) of the Development Agreement in a standard AIA Form certifying substantial completion, subject to punch list items.

**Exhibit 9**

**Acknowledgement of Early Possession**
**And Assumption of Costs and Expenses**

In the event the Library Board takes Early Possession, a written acknowledgment of such early possession and assumption of costs and expenses, as set forth in Article IV above, shall be signed by the Library Board and attached as Exhibit 9 to become an integral part of the Development Agreement as if fully incorporated in it.

**Exhibit 10**

## State Library Grant Contract

The State Public Library Construction Grant Contract for Municipalities with the City of Bridgeport for Grant No. 015B-SC-17 signed May 15, 2018 is attached hereto and incorporated by reference.

#299337
Revised 4/2014

015B-SC-17 (grant #)

CONNECTICUT STATE LIBRARY
Hartford, Connecticut 06106

# STATE PUBLIC LIBRARY CONSTRUCTION GRANT CONTRACT FOR MUNICIPALITIES

This Agreement is made by and between the State of Connecticut, Connecticut State Library Board (hereinafter "State Library" or "Grantor") and the City of Bridgeport (hereinafter "Contractor" or "Grantee") pursuant to § 11-24c of the Connecticut General Statutes (hereinafter "CGS").

WHEREAS, CGS § 11-24c provides for state funds to assist in the construction, renovation, repair, and improvement of the physical public library facilities at the local level; and

WHEREAS, the State Library administers a grant program whereby libraries apply for state funded public library construction grants; and

NOW THEREFORE, in consideration of the aforesaid and the mutual promises hereinafter contained, the parties do hereby agree as follows:

1. The State Library hereby authorizes a grant for the amount not to exceed $1,000,000 (hereinafter "Grant Funds") for a new Newfield branch library construction project at the Bridgeport Public Library (hereinafter the "Project"). The Contractor is responsible for any project expenses greater than the Grant Funds.

2. The Contractor shall proceed forthwith upon the signing of this Agreement with the new Newfield branch library construction project provided that sufficient local funds are approved and available to complete the entire project in accordance with said plans, specifications, and schedule or as hereafter changed with the approval of the State Library.

3. For projects that involve construction the Contractor has employed an architect and shall submit to the state detailed plans and specifications (including *American Institute of Architects (AIA) Document A201*, general conditions of the contract for construction intended to be used as one of the contract documents forming the construction contract).

4. The Contractor may, in writing, execute change orders in connection with this particular project with the written approval of the architect, but any individual change representing an increase or decrease in the cost of the project in excess of $4,000 for projects under $50,000, $10,000 for projects between $50,000 and $100,000 and $20,000 for projects over $100,000 shall be approved in advance by the State Library.

5. The Contractor shall establish and maintain accounting procedures and supporting documents necessary to permit accurate and expeditious audit at any time during the construction, and all records pertaining to the project shall be maintained for a period of ten (10) years.

6. Upon request of the State Library, the Contractor shall submit copies of architect's and other inspection reports and such additional reports including payroll records as may be required by the State Library.

7. Payment to the Contractor under this contract is subject to receipt of state funds by the State Library. Once the funds become available, payment shall be made in accordance with the following pre-established schedule:

(a) Fifty percent (50%) of the grant upon submission of an Application for Payment, example attached hereto as Attachment A, and certification by the architect that work in place, services rendered, and equipment delivered and installed on the project represent not less than fifty percent (50%) of the total project value, i.e., of all construction, all equipment, etc. Documentation consists of *AIA Documents G702* and *G703,* the architect's application and certification for payment, and invoices for expenses listed in the Budget Information section of the application as submitted to the State Library and which are not included in the *AIA Documents G702* and *G703.*

(b) An additional forty percent (40%) of the grant in accordance with the same provisions when the architect certifies seventy-five percent (75%) completion; and,

(c) The final ten percent (10%) of the grant upon submission of an Application for Payment, the architect's certification of one hundred percent (100%) completion. In those cases where there may be a significant delay in certifying 100% completion, libraries may be eligible for their last payment when they have a certificate of occupancy for the entire affected library space and they can prove they have incurred costs that are at least double their grant award. In order for the Contractor to receive its final payment, it shall also furnish the following to the State Library:

(1) The final *AIA Documents G702* and *G703* with "paid" written on the AIA document or payment voucher for final payment of the project.

(2) For projects of $2,000,000 or less, invoices for expenses listed in the Budget Information section under Project Cost Estimate in the application as submitted to the State Library excluding the expenses covered in the *AIA documents G702* and *G703.*

(3) A Final Expenditure Report, example attached hereto as Attachment C.

(4) The Contractor expressly agrees and understands that the Application for Payment of the final ten percent (10%) of the grant and all required back-up documentation must be received by the State Library on or before the last day of this grant agreement before any final payment, if warranted, shall be made by the State Library. The failure to provide the Application for Payment and back-up documentation within the time required is an express waiver by the Contractor of any right to final payment under the grant.

(d) The Contractor may combine payment requests in one Application for Payment attached hereto as Attachment B.

8. The Contractor shall comply with, the requirements and provisions of CGS § 11-24c, the regulations thereunder, the *State Grant Programs for Public Library Construction Timetable and Guidelines* and the regulations thereunder, including the anti-discrimination requirements (Title VI, Civil Rights Act, 1964, Pub. L No. 88-352, § 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act) and the prevailing State Wage Requirements.

9. The Contractor shall employ adequate methods of obtaining competitive bids, pursuant to the Department of Administrative Services (DAS) Contractor Prequalification Program, prior to awarding the construction contract, and shall advertise in a newspaper having a substantial circulation in the municipality in which construction takes place (a trade journal does not qualify as a newspaper for this purpose) or advertise in the DAS Biznet State Contracting Portal.

   (a) For a single construction contract with total cost under $500,000. All construction contracts (including equipment procurement over $10,000) shall be awarded to the lowest responsible and qualified bidder in open competitive bidding.

   (b) For a single construction contract with total cost over $500,000. All construction contracts for construction projects which are funded in whole or in part with state funds shall be awarded to the lowest responsible and pre-qualified bidder described in CGS § 4b-92 in open competitive bidding. The Contractor will provide those contractors with a Performance Evaluation at 50% project completion and provide both contractor and DAS with a Performance Evaluation at 100% completion. The Contractor must indicate in the bid advertisement the classification(s) for which construction contractors are being sought. Example of bid advertisement can found on DAS Contractor Prequalification Program website. The DAS Prequalification Program must receive the final evaluation seventy (70) days after project completion.

10. The Contractor shall not sign a contract with a building contractor, purchase furniture, or begin work on a maintenance project (only applicable to "distressed municipalities" as defined by CGS § 32-9p(b)) until the Contractor and the State Librarian have signed this contract, and this contract has been approved by the Attorney General.

11. The building contractor who is selected to do the project shall provide a performance bond.

12. The Contractor shall comply with all applicable sections of the State and local building codes, where such codes are in force.

13. The Contractor shall follow the rules on construction of a public works project as established by the local municipality unless additional requirements are specifically required by Federal statutes, State statutes, or executive orders.

14. Indemnification.

   (a) The Contractor shall indemnify, defend and hold harmless the State and its officers, representatives, agents, servants, employees, successors and assigns from and against any and all (1) claims arising, directly or indirectly, in connection with the Contract, including the acts of commission or omission (collectively, the "Acts") of the Contractor or contractor parties; and (2) liabilities, damages, losses, costs and expenses, including but not limited to, attorneys' and other professionals' fees, arising, directly or indirectly, in connection with claims, Acts or the contract. The Contractor shall use counsel reasonably acceptable to the State in carrying out its obligations under this section. The Contractor's obligations under this section to indemnify, defend and hold harmless against claims includes claims concerning confidentiality of any part of or all of the Contractor's bid, proposal or any records, any intellectual property rights, other proprietary rights of any person or entity, copyrighted or uncopyrighted compositions, secret processes, patented or unpatented inventions, articles or appliances furnished or used in the performance.

(b) The Contractor shall not be responsible for indemnifying or holding the State harmless from any liability arising due to the negligence of the State or any third party acting under the direct control or supervision of the State.

(c) The Contractor shall reimburse the State for any and all damages to the real or personal property of the State caused by the Acts of the Contractor or any contractor parties. The State shall give the Contractor reasonable notice of any such claims.

(d) The Contractor's duties under this section shall remain fully in effect and binding in accordance with the terms and conditions of the Contract, without being lessened or compromised in any way, even where the Contractor is alleged or is found to have merely contributed in part to the Acts giving rise to the claims and/or where the State is alleged or is found to have contributed to the Acts giving rise to the claims.

(e) The Contractor shall carry and maintain at all times during the term of the Contract, and during the time that any provisions survive the term of the Contract, sufficient general liability insurance to satisfy its obligations under this Contract. The Contractor shall name the State as an additional insured on the policy and shall provide a copy of the policy to the State Library prior to the effective date of the Contract. The Contractor shall not begin performance until the delivery of the policy to the State Library. The State Library shall be entitled to recover under the insurance policy even if a body of competent jurisdiction determines that the State Library or the State is contributorily negligent.

(f) This section shall survive the termination of the contract and shall not be limited by reason of any insurance coverage.

15. Audit requirements.

(a) For State-funded grant contracts where the Contractor has or will receive $300,000 or more in any State grant(s) during the Contractor's fiscal year, the following audit provision must be present:

Audit Requirements for State Grants. For purposes of this clause, the word "Contractor" shall be read to mean "nonstate entity," as that term is defined in Conn. Gen. Stat. § 4-230. The Contractor shall provide for an annual financial audit acceptable to the State Library for any expenditure of State-awarded funds made by the Contractor. Such audit shall include management letters and audit recommendations. The State Auditors of Public Accounts shall have access to all records and accounts for the fiscal year(s) in which the award was made. The Contractor will comply with federal and State single audit standards as applicable.

(b) The Contractor shall make all of its and the Contractor Parties' Records available at all reasonable hours for audit and inspection by the State, including, but not limited to, the Agency, the Connecticut Auditors of Public Accounts, Attorney General and State's Attorney and their respective agents. Requests for any audit or inspection shall be in writing, at least ten (10) days prior to the requested date. All audits and inspections shall be at the requester's expense. The State may request an audit or inspection at any time during the Contract term and for three (3) years after Termination, Cancellation or Expiration of the Contract. The Contractor shall cooperate fully with the State and its agents in connection with an audit or inspection. Following any audit or inspection, the State may conduct and the Contractor shall cooperate with an exit conference.

(c) For purposes of this subsection, for State Grants, the word "Contractor" shall be read to mean "nonstate entity," as that term is defined in CGS§ 4-230.

16. The Contractor shall refund any amounts found to be owing to the State as a result of an error or the discovery of any fraud, collusion, or illegal actions, and shall make such refunds within thirty (30) days from notice in writing by the State. In the case of any failure to make such refunds, the Contractor agrees that the State may deduct such amount from any current or future sums owing to said Contractor on the part of the State from any source or for any purpose whatsoever.

17. If the final Application for Payment and back-up documentation reveals that the ultimate cost of the construction project for which this grant has been provided is less than the amount upon which the grant award was originally based (the grant award cannot exceed one half of the actual cost of the construction project) the amount of the grant award shall be reduced proportionately. If any funds must be returned, the Contractor shall send the refund, in the form of a bank or certified check, to the Connecticut State Library within thirty (30) days from notice in writing by the State Library, without the parties to this agreement entering into separate amendments or supplements to this Agreement.

18. When issuing statements, press releases, announcements of contract awards under the project, dedication programs and other documents or announcements describing this project, the Contractor shall state clearly that the library construction project is being paid for, in part, with state funds provided by the Connecticut State Library.

19. The Contractor expressly agrees and covenants that a proposed new, improved or expanded public library facility that is the subject of this contract shall be devoted to public library purposes for a period of not less than ten (10) years after completion of the construction project for which this grant has been provided or until the building outlives its usefulness. The Contractor further expressly agrees and covenants that, should a proposed new, improved or expanded public library facility be devoted to public library purposes for a period of less than ten (10) years after completion of the construction project or until the building outlives its usefulness, the contractor shall return the grant funds provided for herein on a prorated basis for every year less than ten (10) years after completion that the facility was not devoted to use as a public library.

20. Termination.

(a) Notwithstanding any provisions in this contract, the State Library, through a duly authorized employee, may terminate the contract whenever the State Library makes a written determination that such termination is in the best interests of the State. The State Library shall notify the Contractor in writing of termination pursuant to this section, which notice shall specify the effective date of termination and the extent to which the Contractor must complete its performance under the contract prior to such date.

(b) Notwithstanding any provisions in this contract, the State Library, through a duly authorized employee, may, after making a written determination that the Contractor has breached the contract, terminate the contract in accordance with the following breach provision.

(1) Breach. If either party breaches the contract in any respect, the non-breaching party shall provide written notice of the breach to the breaching party and afford the breaching party an opportunity to cure within ten (10) days from the date that the breaching party receives the notice. In the case of a Contractor breach, any other time period which the State

Library sets forth in the notice shall trump the ten (10) days. The right to cure period shall be extended if the non-breaching party is satisfied that the breaching party is making a good faith effort to cure but the nature of the breach is such that it cannot be cured within the right to cure period. The notice may include an effective contract termination date if the breach is not cured by the stated date and, unless otherwise modified by the non-breaching party in writing prior to the termination date, no further action shall be required of any party to effect the termination as of the stated date. If the notice does not set forth an effective contract termination date, then the non-breaching party may terminate the contract by giving the breaching party no less than twenty four (24) hours' prior written notice. If the State Library believes that the Contractor has not performed according to the contract, the State Library may withhold payment in whole or in part pending resolution of the performance issue, provided that the State Library notifies the Contractor in writing prior to the date that the payment would have been due.

(c) The State Library shall send the notice of termination via certified mail, return receipt requested, to the Contractor at the most current address which the Contractor has furnished to the State Library for purposes of correspondence, or by hand delivery. Upon receiving the notice from the State Library, the Contractor shall immediately discontinue all services affected in accordance with the notice, undertake all State Library all records. The records are deemed to be the property of the State Library and the Contractor shall deliver them to the State Library no later than thirty (30) days after the termination of the contract or fifteen (15) days after the Contractor receives a written request from the State Library for the records. The Contractor shall deliver those records that exist in electronic, magnetic or other intangible form in a non-proprietary format, such as, but not limited to, ASCII or .TXT.

(d) Upon receipt of a written notice of termination from the State Library, the Contractor shall cease operations as the State Library directs in the notice, and take all actions that are necessary or appropriate, or that the State Library may reasonably direct, for the protection, and preservation of the goods and any other property. Except for any work which the State Library directs the Contractor to perform in the notice prior to the effective date of termination, and except as otherwise provided in the notice, the Contractor shall terminate or conclude all existing subcontracts and purchase orders and shall not enter into any further subcontracts, purchase orders or commitments.

(e) The State Library shall, within forty-five (45) days of the effective date of termination, reimburse the Contractor for its performance rendered and accepted by the State Library in accordance with the terms of this contract, in addition to all actual and reasonable costs incurred after termination in completing those portions of the performance which the notice required the Contractor to complete. However, the Contractor is not entitled to receive and the State Library is not obligated to tender to the Contractor any payments for anticipated or lost profits. Upon request by the State Library, the Contractor shall assign to the State Library, or any replacement Contractor which the State Library designates, all subcontracts, purchase orders and other commitments, deliver to the State Library all records and other information pertaining to its performance, and remove from State premises, whether leased or owned, all of Contractor's property, equipment, waste material and rubbish related to its performance, all as the State Library may request.

(f) For breach or violation of any of the provisions in the section concerning representations and warranties, the State Library may terminate the contract in accordance with its terms and

revoke any consent to assignments given as if the assignments had never been requested or consented to, without liability to the Contractor or Contractor parties or any third party.

(g) Upon termination of the contract, all rights and obligations shall be null and void, so that no party shall have any further rights or obligations to any other party, except with respect to the sections which survive termination. All representations, warranties, agreements and rights of the parties under the contract shall survive such termination to the extent not otherwise limited in the contract and without each one of them having to be specifically mentioned in the contract.

(h) Termination of the contract pursuant to this section shall not be deemed to be a breach of contract by the State Library.

21. Forum and Choice of Law. The parties deem the Contract to have been made in the City of Hartford, State of Connecticut. Both parties agree that it is fair and reasonable for the validity and construction of the contract to be, and it shall be, governed by the laws and court decisions of the State of Connecticut, without giving effect to its principles of conflicts of laws. To the extent that any immunities provided by Federal law or the laws of the State of Connecticut do not bar an action against the State, and to the extent that these courts are courts of competent jurisdiction, for the purpose of venue, the complaint shall be made returnable to the Judicial District of Hartford only or shall be brought in the United States District Court for the District of Connecticut only, and shall not be transferred to any other court, provided, however, that nothing here constitutes a waiver or compromise of the sovereign immunity of the State of Connecticut. The Contractor waives any objection which it may now have or will have to the laying of venue of any claims in any forum and further irrevocably submits to such jurisdiction in any suit, action or proceeding.

22. Executive Orders. This Contract is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999, concerning violence in the workplace, all of which are incorporated into and are made a part of the Contract as if they had been fully set forth in it. The Contract may also be subject to Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services and to Executive Order No. 49 of Governor Dannel P. Malloy, promulgated May 22, 2015, mandating disclosure of certain gifts to public employees and contributions to certain candidates for office. If Executive Order 14 and/or Executive Order 49 are applicable, they are deemed to be incorporated into and are made a part of the Contract as if they had been fully set forth in it. At the Contractor's request, the Client Agency or Connecticut Department of Administrative Services shall provide a copy of these orders to the Contractor.

23. The State of Connecticut shall assume no liability for payment for services under the terms of this agreement until the contractor is notified that the State Library and the Attorney General of the State of Connecticut have approved this Agreement in writing.

24. This Agreement shall be binding upon and shall inure to the benefit of the Contractor and its successor.

25. The sole and exclusive means for the presentation of any claim against the State arising from this Agreement shall be in accordance with Chapter 53 of the Connecticut General Statutes (Claims

against the State) and the Contractor shall not initiate legal proceedings in any State or Federal Court in addition to or in lieu of said Chapter 53 proceedings.

26. A Contractor receiving a grant of $500,000 or more shall display a sign at the site during construction indicating that the project is funded, in part, with a grant from the State of Connecticut. An example will be furnished by the State Library.

27. Audit and Inspection of Plants, Places of Business and Records.

(a) The State and its agents, including, but not limited to, the Connecticut Auditors of Public Accounts, Attorney General and State's Attorney and their respective agents, may, at reasonable hours, inspect and examine all of the parts of the Contractor's and Contractor Parties' plants and places of business which, in any way, are related to, or involved in, the performance of this Contract.

(b) The Contractor shall maintain, and shall require each of the Contractor Parties to maintain, accurate and complete Records. The Contractor shall make all of its and the Contractor Parties' Records available at all reasonable hours for audit and inspection by the State and its agents.

(c) The State shall make all requests for any audit or inspection in writing and shall provide the Contractor with at least twenty-four (24) hours' notice prior to the requested audit and inspection date. If the State suspects fraud or other abuse, or in the event of an emergency, the State is not obligated to provide any prior notice.

(d) All audits and inspections shall be at the State's expense.

(e) The Contractor shall keep and preserve or cause to be kept and preserved all of its and Contractor Parties' Records until three (3) years after the latter of (i) final payment under this Agreement, or (ii) the expiration or earlier termination of this Agreement, as the same may be modified for any reason. The State may request an audit or inspection at any time during this period. If any Claim or audit is started before the expiration of this period, the Contractor shall retain or cause to be retained all Records until all Claims or audit findings have been resolved.

(f) The Contractor shall cooperate fully with the State and its agents in connection with an audit or inspection. Following any audit or inspection, the State may conduct and the Contractor shall cooperate with an exit conference.

(g) The Contractor shall incorporate this entire Section verbatim into any contract or other agreement that it enters into with any Contractor Party.

28. Summary of State Ethics Laws. Pursuant to the requirements of section 1-101qq of the Connecticut General Statutes, the summary of State ethic laws developed by the State Ethics Commission pursuant to section 1-81b of the Connecticut General Statutes is incorporated by reference into and made a part of the contract as if the summary had been fully set forth in the contract.

29. Whistleblower. This contract may be subject to the provisions of Section 4-61dd of the Connecticut General Statutes. In accordance with this statute, if an officer, employee or

appointing authority of the Contractor takes or threatens to take any personnel action against any employee of the Contractor in retaliation for such employee's disclosure of information to any employee of the contracting state or quasi-public agency or the Auditors of Public Accounts or the Attorney General under the provisions of subsection (a) of such statute, the Contractor shall be liable for a civil penalty of not more than five thousand dollars for each offense, up to a maximum of twenty per cent of the value of this contract. Each violation shall be a separate and distinct offense and in the case of a continuing violation, each calendar day's continuance of the violation shall be deemed to be a separate and distinct offense. The State may request that the Attorney General bring a civil action in the Superior Court for the Judicial District of Hartford to seek imposition and recovery of such civil penalty. In accordance with subsection (f) of such statute, each large state contractor, as defined in the statute, shall post a notice of the provisions of the statute relating to large state contractors in a conspicuous place which is readily available for viewing by the employees of the contractor.

30. Disclosure of Records. This Contract may be subject to the provisions of section 1-218 of the Connecticut General Statutes. In accordance with this statute, each contract in excess of two million five hundred thousand dollars between a public agency and a person for the performance of a governmental function shall (a) provide that the public agency is entitled to receive a copy of records and files related to the performance of the governmental function, and (b) indicate that such records and files are subject to the Freedom of Information Act (FOIA) and may be disclosed by the public agency pursuant to FOIA. No request to inspect or copy such records or files shall be valid unless the request is made to the public agency in accordance with FOIA. Any complaint by a person who is denied the right to inspect or copy such records or files shall be brought to the Freedom of Information Commission in accordance with the provisions of sections 1-205 and 1-206 of the Connecticut General Statutes.

31. Sovereign Immunity. The parties acknowledge and agree that nothing in this Contract shall be construed as a modification, compromise or waiver by the State of any rights or defenses of any immunities provided by Federal law or the laws of the State of Connecticut to the State or any of its officers and employees, which they may have had, now have or will have with respect to all matters arising out of this Contract. To the extent that this section conflicts with any other section, this section shall govern.

32. Entire Agreement. This written contract shall constitute the entire agreement between the parties and no other terms and conditions in any document, acceptance or acknowledgment shall be effective or binding unless expressly agreed to in writing by State Library. This contract may not be changed other than by a formal written contract amendment signed by the parties hereto and approved by the Connecticut Attorney General.

33. State Library approved this grant on November 27, 2017. Minutes of that meeting are attached hereto as Attachment A and expressly made a part hereof.

GRANTEE

March 1, 2018 to February 28, 2023
Contract Period

City of Bridgeport
Legal Name (Town, City, Corporation, etc.)

06-6001865
Federal Employer I.D. Number

Signature of Authorized Individual

3/29/18
Date

Joseph P. Ganim
Typed Name of Authorized Individual

Mayor
Title

(Grantee Affix Seal Here)

CONNECTICUT STATE LIBRARY BOARD

Kendall F. Wiggin, State Librarian

5/15/2018
Date

**015P-SC-16**
Grant Number

□ This contract template, having been reviewed and approved by the Office of the Attorney General (OAG), it is exempt from review pursuant to a Memorandum of Agreement between the State Library and the OAG dated June 11, 2014.

| Fund | Department | SID | Program | Acct. | Project | Budg. Ref. | Amt. |
|---|---|---|---|---|---|---|---|
| 12052 | CSL66051 | 43300 & 43648 | 85006 | 55070 | CSL Non. Proj. | 2018 | $1,000,000 |

Attachment A

STATE OF CONNECTICUT
RECORD OF PROCEEDINGS STATE LIBRARY BOARD
November 27, 2017

Present: John N. Barry, Bob Harris, Allen Hoffman, Mary Etter, Jay Johnston, Comm. Dianna Wentzell, Alison Clemens
Members absent: Judge Michael Sheldon, Sandy Ruoff, Matt Poland, Justice Andrew McDonald
Others present: Kendall Wiggin, Jane Beaudoin, Dawn La Valle, Robert Kinney, Lizette Pelletier, LeAnn Power, (State Library), Glenn Grube (Avon Free Public Library/CLA), Kate Byroade (Cragin Memorial Library, Colchester), Lisa Karim (Simsbury Public Library)
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
The meeting was called to order at 1:10 p.m. by Chairperson John N. Barry.
...

NEW BUSINESS
...
State Public Library Construction Grant Recommendations: It was immediately MOVED (A. Hoffman) seconded (B. Harris) THAT THE STATE LIBRARY BOARD AWARDS THE FOLLOWING STATE PUBLIC LIBRARY CONSTRUCTION GRANTS:
$1,000,000 to the City of Bridgeport for a new Newfield Branch of the Bridgeport Public Library,
$1,000,000 to the Old Lyme-Phoebe Griffin Noyes Library Association, Inc.,
$405,525 to the Town of Simsbury for the Simsbury Public Library,
$75,000 to the Brainerd Memorial Library, Inc., of Haddam
$212,750 to the Town of Milford for the Milford Public Library,
$108,452 to the Town of Portland for the Portland Public Library.
PASSED unanimously..

...

The meeting was adjourned at 1:45 p.m. The next meeting is scheduled for Monday, January 22, 2018, at 1:00 p.m. in the State Library's Reading Room.
Respectfully submitted,

Kendall F. Wiggin, Secretary

Jane Beaudoin, Recorder

Attachment B

CONNECTICUT STATE LIBRARY
APPLICATION FOR PAYMENT
STATE PUBLIC LIBRARY CONSTRUCTION GRANT
Under Section 11-24c of the Connecticut General Statutes

CERTIFICATION

The _____ (grantee) hereby requests a payment of grant funds to be expended for the below named project as authorized under the State Public Library Construction Grant program administered by the Connecticut State Library Board (grantor). Acting as the duly authorized agent for the above, I hereby certify that, according to the best of my knowledge, the information given below is correct and that the grantee is in compliance with the terms and conditions of the grant agreement between the grantee and the Connecticut State Library Board.

Name: _____ Signed: _____

Title: _____ Date: _____

A. Grant Number #_____

B. Total amount of grant approved: $_____

C. Contract period: _____ to _____

D. Organization authorized to receive payment:

_____
Name

_____
Address

_____

E. Are you prepared to receive payment through ACH (Automated Clearing House)? (Check one) Yes ☐ No ☐

---

1. Original estimated cost of entire project: (as given in the grant application) $_____
2. Increase or decrease in project costs since the project began (if any): $_____
3. Total new cost of entire project (add items 1 and 2): $_____
4. Total amount completed to date: (Must be substantiated by architect's certification on the most recent *AIA Documents G702* and *G703* and invoices for costs not covered by the *AIA Documents*.) $_____
5. Dollar amount of grant payment being requested: $_____
6. Payment # 1 (50%)☐ 2 (40%)☐ 3 (10%)☐
7. Municipal Library: ☐ or Association Library: ☐ FEIN: _____

---

State of Connecticut, County of _____ on this _____ day of _____
the above subscribed personally appeared before me and made oath to the truth of this certification.
My commission expires on _____ Signed _____

---

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Attachment C

CONNECTICUT STATE LIBRARY
STATE PUBLIC LIBRARY CONSTRUCTION GRANT
FINAL EXPENDITURE REPORT

In order to receive the final payment and close out your State Public Library Construction Grant you must complete this Final Expenditure Report and submit it to the State Library along with the final *AIA Documents G702* and *G703* marked PAID, and invoices to substantiate expenses. These materials must be received by the State Library on or before the last day of your grant contract.

Grantee: _____

Grant #: _____

Library Name: _____

1. Project Type (Place an X in front of those categories which apply):

| | | |
|---|---|---|
| ☐ New Construction | ☐ Conversion of existing bldg. | ☐ Handicapped Accessibility |
| ☐ Renovation | ☐ Code Compliance | ☐ Energy Conservation |
| ☐ Addition | ☐ Remodeling | ☐ Maintenance |

Please indicate the actual amount spent in each category indicated below.

2. Non Construction Costs

| | |
|---|---|
| a. Land | $ _____ |
| b. Easement, development rights, and other interests in land | $ _____ |
| c. Building/structures | $ _____ |
| d. Equipment/machinery/furnishings | $ _____ |
| e. Other (must be identified) | $ _____ |
| _____ | $ _____ |
| _____ | $ _____ |
| _____ | $ _____ |
| f. Feasibility, architectural, engineering studies, and costs related to the above acquisition costs | $ _____ |
| g. Environmental remediation | $ _____ |

**TOTAL NON-CONSTRUCTION COSTS** $ _____

Final Expenditure Report
Page 2

3. Construction Costs

| | | |
|---|---|---|
| a. | Building construction | $ |
| b. | Demolition | $ |
| c. | Site improvements | $ |
| d. | Parking lot | $ |
| e. | Architect/engineers' fees | $ |
| f. | Audit | $ |
| g. | Other (must be identified) | $ |
| | _____ | $ |
| | _____ | $ |
| | _____ | $ |

**TOTAL CONSTRUCTION COSTS** $_____

**TOTAL NON-CONSTRUCTION AND CONSTRUCTION COSTS** $_____

4. Funding Sources

State Public Library Construction Grant $_____

Other State $_____

Federal $_____

Private (fund raising) $_____

Foundation/Trust $_____

Local (general budget) $_____

TOTAL $_____ (must equal 100% of **total** project cost)

5. Name and signature of the Grantee's authorized representative:

_____ _____ _____
(Print or Type) (Signature)

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**Exhibit 11**

**State of Connecticut**
**Department of Administrative Services Prequalification Certificate**

A copy of the Prequalification Certificate issued to Ashlar Construction, LLC dated June 15, 2018 is attached hereto and incorporated by reference

.

# State of Connecticut

Department of Administrative Services

Construction Contractor Prequalification Program

This certifies

## *Ashlar Construction LLC*

*277 Fairfield Avenue, Bridgeport, CT 06604*

*As a*

*Prequalification Construction Contractor*

*June 15, 2018 through June 14, 2019*


***CONTACT INFORMATION***

**Name:** Anthony Stewart
**Phone:** 475-422-9181
**Fax:** 475-422-9182
**Email:** astewart@ashlarconst.com


| Effective Date | Aggregate Work Capacity (AWC) | Single Limit (SL) | Classifications |
|---|---|---|---|
| 6/15/2018 | $4,000,000.00 | $2,000,000.00 | GENERAL BUILDING CONSTRUCTION (GROUP A), MASONRY |

This certificate prequalifies the named company to bid. It is not a statement of the Contractor's capacity to perform a specific project. That responsibility lies with the awarding authority.

Company Licenses/Registrations: It is the Contractor's responsibility to update their license information by editing their electronic application. Licenses are confirmed by the Department of Administrative Services (DAS) at the time of initial application and at each renewal.



For information regarding the DAS Contractor Prequalification Program visit http://portal.ct.gov/dasprequal or call (860) 713-5280.

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| Classification Name | Description |
| --- | --- |
| GENERAL BUILDING CONSTRUCTION (GROUP A) | The undertaking of general contracts for the construction of buildings(i.e. new construction, renovation, rehabilitation, alteration, addition, etc. The contract must include a variety of construction practices and supervision of a minimum of three sub-trades. Includes those designs that are repetitive, conventional in character, require minimum design based on pre-engineered components/systems, and that pose minimum effort by the design professional. Examples include repetitive designs, dormitories, warehouses, basic building structures without interior finishes, ceiling replacement, pre-engineered components, recreation facilities, etc.Note: If you are prequalified for General Building Construction under Group B and or Group C, you are automatically prequalified for Group A. ALSO If you are prequalified for General Building Group A you will automatically be prequalified for GENERAL TRADES.Note: For the purposes of DAS Construction Contractor Prequalification, contractors in this classification are not required to be registered as a major contractor with the Department of Consumer Protection. However, there may be specific projects within this classification that require a major contractor registration from the Department of Consumer Protection. |
| MASONRY | Installation, renovation, repair and maintenance of masonry units composed of concrete, stone, brick and the like, including such incidental or related work as is customarily performed by those in the masonry trade. |