

STATE OF CONNECTICUT



DEPARTMENT OF CHILDREN AND FAMILIES



Albert J Solnit Children's Center

915 River Road, Middletown, CT

West School Gymnasium Improvements

Project No. 77-RVHC-224 April 4, 2019

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* THESE DOCUMENTS MUST BE RETURNED WITH YOUR BID

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INVATATION TO BID

The Department of Children and Families is accepting sealed bids for:

WEST SCHOOL GYMNASIUM IMPROVEMENTS

Project Number: 77-RVHC-224

Albert J. Solnit Children's Center
915 River Road, Middletown, CT

Bids must be submitted on the forms supplied and in the manner specified. Complete Bid Documents are attached to this invitation.

Attendance of a **mandatory** pre-bid is required for those interested in submitting proposals. The Pre-Bid is scheduled for **Tuesday, April 23, 2019 at 10:00am**. This will be the bidder's first opportunity to inspect the project site and meet local contacts.

Requests for information (RFI) must be submitted on or before the close of business of **May 10, 2019**. Any required Addendum(s) will be issued via the internet posting.

Bid is open only to those current in the State's Supplier Diversity Program (Set-Aside Program)

Bids will be accepted at the Department of Children and Families, Engineering Department, 505 Hudson St., Hartford, CT 06106 until **2:00 P.M. local time on THURSDAY, MAY 16, 2019** at which time they will be publicly opened and read.

The Bid, when required, shall be accompanied by the Bidder's financial Statement, as well as a Bid Bond in the amount of ten percent (10%) of the amount bid for any project in excess of \$100,000. All bonds required for this Project shall be acceptable to the DCF and as a minimum, issued through a bonding company licensed to transact such business in the State of Connecticut and named on the current list of "Surety Companies Acceptable on Federal Bonds" as published in the "Treasury Department Circular 570".

The successful Contractor shall be required to provide a Labor and Material Payment Bond and a Performance Bond for one hundred percent (100%) of the Contract price for any project over \$100,000

The bidder shall perform 93.75% of the work with their own forces.

The right is reserved to reject any or all Bids, in whole or in part, to award any item, group of items, or total Bid, and to waive any informality or technical defects, if it is deemed to be in the best interests of the DCF.

No Bidder may withdraw its Bid within ninety (90) days of the date of the Bid opening. Should there be reasons why the Contract cannot be awarded within the specified period; the time may be extended by mutual agreement between the DCF and the Bidder.

GENERAL DESCRIPTION OF PROJECT

Albert J Solnit Children's Center
West School Gymnasium Improvements
915 River Road, Middletown, CT
Project # 77-RVHC-224

- A. It is not the intent of this and all documents associated with this **WEST SCHOOL GYMNASIUM IMPROVEMENTS** project, to list every item, but rather to provide a clear general and scope of the project. It is the Contractors responsibility, as a professional in the trade, to carry all costs to for thoroughly completing this project meeting current standards and codes. The Contractor shall not take advantage of any errors or omissions.
- B. Each Contractor must inform Themselves fully of the conditions relating to the labor under which the work will be performed; failure to do so will not relieve the successful bidder of his obligations to furnish all materials and all labor necessary to carry out the provisions of the Contract Documents and to complete the contemplated work for the consideration set forth in this bid. The Contractor must satisfy himself by his own investigation and research regarding all conditions affecting the work to be done and labor and materials needed, and make his bid in sole reliance thereon, and shall not at any time after the submission of a bid assert that there was any misunderstanding in regard to the nature of amount of work to be done.
- C. This project has several components: Remove existing rubberized floor and replace with new poured in place rubberized floor. Remove acoustical plaster enclosures at the seven (7) plate girders and reframe with metal and enclose with plywood/gypsum wall board as detailed. Remove wall activity equipment and patch/paint connection holes. Sand and Refinish wood stage floor and access stairs. Remove cuspidor and infill opening/paint to match. Remove and replace drinking fountain.
- D. The existing plaster coating has been analyzed for asbestos. The results were negative. The report is on file.

INSTRUCTION TO BIDDERS AND CONDITIONS OF BID

SEALED BIDS

Bids must be submitted in a sealed envelope, clearly marked with the appropriate project number, date, time of bid opening, and name and address of the bidder. All pages of this Invitation & Bid Form must be submitted with your bid. Telegraphic, telephonic, faxed and emailed bids will not be accepted under any circumstances.

SUBMISSION OF BIDS

Bids may be mailed, or delivered in person to the following address and must arrive by the bid closing date and time. Late bids will not be accepted and will be returned to the bidder unopened. Extensions will not be granted.

**Richard Grossman, Engineering Office
Department of Children and Families
505 Hudson Street
Hartford, CT 06106**

PRE-BID MEETING

A **MANDATORY** pre-bid meeting will be held on-site **Tuesday, April 23, 2019, 10:00AM**. The meeting will be at the Albert J Solnit Children's Center, 915 River Road, Middletown, CT. All Contractors proposing for this project are required to visit and examine the site before proposing, and to verify the job conditions and dimensions. Pre-Bid Meeting late arrivals will **NOT** be permitted. Late arrivals are defined as any time past the hour stated above. Any one arriving late will **NOT** be given credit for attendance nor allowed to participate in the BID process. This meeting is intended to review the Bid requirements and answer any questions that interested bidders may have about this project. **Failure to attend this meeting will result in the rejection of your Bid.**

RFI

Request for information must be submitted on or before the close of business of May 10, 2019. Any required Addendum(s) will be issued and posted on the internet on Monday, May 13, 2019. Addendums must be signed and returned with the Bid Proposal.

BID CLOSING DATE

Bids must be received and stamped into Mr. Grossman's office no later than **Thursday, May 16, 2019, 2:00PM** at the location indicated above. All bids will be opened at the stipulated time and place. Any bidder who wishes to attend may do so.

STATES RIGHTS

The State reserves the right to reject any and all bids, and to waive any informality in the bids. No bids may be withdrawn for at least 60 days after the scheduled closing times for receipt of bids.

STANDARD CONDITIONS

1. Bid Security – Bid security in the form of a certified check, bank check, or bid bond in the amount equal to 10% of the bid is required on all bids in excess of \$100,000.00. Checks should be made payable to:

Treasure, State of Connecticut
2. Security for faithful performance – Performance Bond and Labor and Material Bond in the amount of 100% of the purchase order price must be filed by the successful low bidder prior to the start of construction if the bid is in excess of \$100,000.00.
3. Personal liability and property damage insurance is required per the Certificate of Insurance included herein.
4. Contractor shall commence work within eleven days after receiving notice to begin work and continue for sixty (60) calendar days for completion of the project, unless otherwise specified or agreed.
5. Contact Persons: Richard Grossman, Plant Facility Engineer, 860-550-6669; Fax 860-560-5019
6. Liquidated Damages: \$350.00 per day.

SUPPLEMENTAL BIDS

Occasionally, the State may request “Supplemental Bids” to a special project. When listed on the Invitation and Bid Form, each bidder is required to bid on each Supplemental Bid.

CONNECTICUT SALES AND USE TAX

All contractors shall familiarize themselves with the current regulations of the Department of Revenue Service. The tax on materials or supplies exempted by such regulations shall not be included as part of the Contractor’s bid.

DISCREPANCY IN AMOUNTS

In the event of any discrepancy between the amount written in words and the amount written in numerical figures, the amount written in words will be controlling. In case of error in the extension of prices in the bid, the unit price will govern.

START AND COMPLETION DATES

All work is to be completed within the specified number of days from the starting date, which is to be established at the time the Contract is awarded.

SUBLETTING OR ASSIGNING OF CONTACT

The contract or any portion thereof, or the work provided for therein, or the right, title, or interest of the contractor therein may not be sublet, sold, transferred, assigned or otherwise disposed of to any person, firm, or corporation without the written consent of the Commissioner.

No person, firm, corporation other than the contractor to whom the project was awarded, shall be permitted to commence work at the site of the project until such consent has been granted.

END OF SECTION

BID PROPOSAL FORM

TO: Richard Grossman, Engineering Dept.
Department of Children and Families
505 Hudson Street
Hartford, CT 06106

FOR: West School Gymnasium Improvements
Albert J Solnit Children's Center
915 River Road
Middletown, CT 06457
Project: 77-RVHC-224

DATE: _____

FROM: _____

In compliance with the Instructions to Bidders and Conditions of Bid; and subject to all conditions thereof, the undersigned offers and agrees to furnish the labor and materials and to complete work called for by the project's plans and specifications within the allotted time (60) **sixty calendar days** for the Lump Sum of:

Bid Price (Lump Sum for all work):

WORDS _____ DOLLARS

Figures:(\$ _____)

The General Contractor on this project will be required to perform not less than (70%) of the completed dollar value of the work with its own forces.

I (we), the undersigned, hereby declare that I am (we are) the only person(s) interested in this proposal: That it is made without any connection with any other person making any bid for the same work: that no person acting for, or employed by, the State of Connecticut is directly or indirectly interested in this proposal, or in any contract which may be under it, or in expected profits to arise there from: that this proposal is made without directly or indirectly influencing or attempting to influence any other person or corporation to bid or to refrain from bidding or to influence the amount of the bid of any other person or corporation: that this proposal is made in good faith without collusion or connection with any other person bidding for the same work; and that this proposal is made with distinct reference and relation to the plans and specifications prepared for this contract.

I (we) further declare that in regard to the conditions affecting the work to be done and the labor and materials needed, this proposal is based solely on my (our) own investigation and research and not in reliance upon any representations of any employee, officer or agent of the State.

Contractor (Owner/Officer): _____

Date: _____

Title: _____

Address: _____

City, State, Zip: _____

(AFFIX CORPORATE SEAL)

END OF SECTION – BID FORM

**DEPARTMENT OF PUBLIC WORKS
STATE OF CONNECTICUT**

STANDARD BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, _____
_____, hereinafter called the Principal,
of _____, as Principal,
and _____, hereinafter
called the Surety, a corporation organized and existing under the laws of the State of
_____, and duly authorized to transact a surety
business in the State of Connecticut, as Surety, are held and firmly bound unto the State of
Connecticut, as Obligee, in the penal sum of ten (10) percent of the amount of the bid set forth in a
proposal hereinafter mentioned, _____
_____ ,

lawful money of the United States of America, for the payment of which, well and truly to be made
to the Obligee, the Principal and the Surety bind themselves, their heirs, executors, administrators,
successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, That, whereas the Principal has
submitted or is about to submit a proposal to the Obligee related to a contract for Project No.:

NOW, THEREFORE, if the said contract be awarded to the Principal and the Principal shall,
within such time as may be specified, enter into the said contract in writing with the State of
Connecticut and give the required bonds, with surety acceptable to the Obligee, or if the Principal
shall fail to do so, pay to the Obligee the damages which the Obligee may suffer by reason of such
failure not exceeding the penalty of this bond, then this obligation shall be void, otherwise to remain
in full force and effect.

SIGNED, SEALED AND DELIVERED this _____ day of _____, 20 _____

Principals' Signature

Surety

(Print Name)

by

Its attorney in fact

Company Name

(Print Name)

DIVISION 0

Bidding Requirements, Contract Forms, and Conditions of the Contract

Section 00100 – Executive Orders

Page 1 of 1

EXECUTIVE ORDERS:

This contract is subject the provisions of Executive Order No. Three of Governor Thomas J Meskill, promulgated June 16, 1971, concerning labor employment practices; to Section 6 and 10 of Executive Order No. 7B of Governor M. Jodi Rell, promulgated November 16, 2005, concerning contracting reforms; Executive Order No. Sixteen of Governor John G. Rowland, promulgated August 4, 1999, concerning violence in the workplace, all of which are incorporated into, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings; and are made a part of this contract.

**COMMISSION ON HUMAN RIGHTS AND OPPORTUNITIES
CONTRACT COMPLIANCE REGULATIONS
NOTIFICATION TO BIDDERS**

The contract to be awarded is subject to contract compliance requirements mandated by Sections 4a-60 and 4a-60a of the Connecticut General Statutes; and, when the awarding agency is the State, Sections 46a-71(d) and 46a-81i(d) of the Connecticut General Statutes. There are Contract Compliance Regulations codified at Section 46a-68j-21 through 43 of the Regulations of Connecticut State Agencies, which establish a procedure for awarding all contracts covered by Sections 4a-60 and 46a-71(d) of the Connecticut General Statutes.

According to Section 46a-68j-30(9) of the Contract Compliance Regulations, every agency awarding a contract subject to the contract compliance requirements has an obligation to “aggressively solicit the participation of legitimate minority business enterprises as bidders, contractors, subcontractors and suppliers of materials.” “Minority business enterprise” is defined in Section 4a-60 of the Connecticut General Statutes as a business wherein fifty-one percent or more of the capital stock, or assets belong to a person or persons: “(1) Who are active in daily affairs of the enterprise; (2) who have the power to direct the management and policies of the enterprise; and (3) who are members of a minority, as such term is defined in subsection (a) of Section 32-9n.” “Minority” groups are defined in Section 32-9n of the Connecticut General Statutes as “(1) Black Americans . . . (2) Hispanic Americans . . . (3) persons who have origins in the Iberian Peninsula . . . (4) Women . . . (5) Asian Pacific Americans and Pacific Islanders; (6) American Indians . . .” An individual with a disability is also a minority business enterprise as provided by Section 4a-60g of the Connecticut General Statutes. The above definitions apply to the contract compliance requirements by virtue of Section 46a-68j-21(11) of the Contract Compliance Regulations.

The awarding agency will consider the following factors when reviewing the bidder’s qualifications under the contract compliance requirements:

- (a) the bidder’s success in implementing an affirmative action plan;
- (b) the bidder’s success in developing an apprenticeship program complying with Sections 46a-68-1 to 46a-68-17 of the Administrative Regulations of Connecticut State Agencies, inclusive;
- (c) the bidder’s promise to develop and implement a successful affirmative action plan;
- (d) the bidder’s submission of employment statistics contained in the “Employment Information Form”, indicating that the composition of its workforce is at or near parity when compared to the racial and sexual composition of the workforce in the relevant labor market area; and
- (e) the bidder’s promise to set aside a portion of the contract for legitimate minority business enterprises. See Section 46a-68j-30(10)(E) of the Contract Compliance Regulations.

INSTRUCTIONS AND OTHER INFORMATION

The following BIDDER CONTRACT COMPLIANCE MONITORING REPORT must be completed in full, signed, and submitted with the bid for this contract. The contract awarding agency and the Commission on Human Rights and Opportunities will use the information contained thereon to determine the bidders compliance to Sections 4a-60 and 4a-60a CONN. GEN. STAT., and Sections 46a-68j-23 of the Regulations of Connecticut State Agencies regarding equal employment opportunity, and the bidders’ good faith efforts to include minority business enterprises as subcontractors and suppliers for the work of the contract.

1) Definition of Small Contractor

Section 4a-60g CONN. GEN. STAT. defines a small contractor as a company that has been doing business under the same management and control and has maintained its principal place of business in Connecticut for a one year period immediately prior to its application for certification under this section, had gross revenues not exceeding ten million dollars in the most recently completed fiscal year, and at least fifty-one percent of the ownership of which is held by a person or persons who are active in the daily affairs of the company, and have the power to direct the management and policies of the company, except that a nonprofit corporation shall be construed to be a small contractor if such nonprofit corporation meets the requirements of subparagraphs (A) and (B) of subdivision 4a-60g CONN. GEN. STAT.

2) Description of Job Categories (as used in Part IV Bidder Employment Information) (Page 2)

<p>MANAGEMENT: Managers plan, organize, direct, and control the major functions of an organization through subordinates who are at the managerial or supervisory level. They make policy decisions and set objectives for the company or departments. They are not usually directly involved in production or providing services. Examples include top executives, public relations managers, managers of operations specialties (such as financial, human resources, or purchasing managers), and construction and engineering managers.</p> <p>BUSINESS AND FINANCIAL OPERATIONS: These occupations include managers and professionals who work with the financial aspects of the business. These occupations include accountants and auditors, purchasing agents, management analysts, labor relations specialists, and budget, credit, and financial analysts.</p> <p>COMPUTER SPECIALISTS: Professionals responsible for the computer operations within a company are grouped in this category. Examples of job titles in this category include computer programmers, software engineers, database administrators, computer scientists, systems analysts, and computer support specialists</p> <p>ARCHITECTURE AND ENGINEERING: Occupations related to architecture, surveying, engineering, and drafting are included in this category. Some of the job titles in this category include electrical and electronic engineers, surveyors, architects, drafters, mechanical engineers, materials engineers, mapping technicians, and civil engineers.</p> <p>OFFICE AND ADMINISTRATIVE SUPPORT: All clerical-type work is included in this category. These jobs involve the preparing, transcribing, and preserving of written communications and records; collecting accounts; gathering and distributing information; operating office machines and electronic data processing equipment; and distributing mail. Job titles listed in this category include telephone operators, payroll clerks, bill and account collectors, customer service representatives, files clerks, dispatchers, shipping clerks, secretaries and administrative assistants, computer operators, mail clerks, and stock clerks.</p>	<p>BUILDING AND GROUNDS CLEANING AND MAINTENANCE: This category includes occupations involving landscaping, housekeeping, and janitorial services. Job titles found in this category include supervisors of landscaping or housekeeping, janitors, maids, grounds maintenance workers, and pest control workers.</p> <p>CONSTRUCTION AND EXTRACTION: This category includes construction trades and related occupations. Job titles found in this category include boilermakers, masons (all types), carpenters, construction laborers, electricians, plumbers (and related trades), roofers, sheet metal workers, elevator installers, hazardous materials removal workers, paperhangers, and painters. Paving, surfacing, and tamping equipment operators; drywall and ceiling tile installers; and carpet, floor and tile installers and finishers are also included in this category. First line supervisors, foremen, and helpers in these trades are also grouped in this category..</p> <p>INSTALLATION, MAINTENANCE AND REPAIR: Occupations involving the installation, maintenance, and repair of equipment are included in this group. Examples of job titles found here are heating, ac, and refrigeration mechanics and installers; telecommunication line installers and repairers; heavy vehicle and mobile equipment service technicians and mechanics; small engine mechanics; security and fire alarm systems installers; electric/electronic repair, industrial, utility and transportation equipment; millwrights; riggers; and manufactured building and mobile home installers. First line supervisors, foremen, and helpers for these jobs are also included in the category.</p> <p>MATERIAL MOVING WORKERS: The job titles included in this group are Crane and tower operators; dredge, excavating, and lading machine operators; hoist and winch operators; industrial truck and tractor operators; cleaners of vehicles and equipment; laborers and freight, stock, and material movers, hand; machine feeders and offbearers; packers and packagers, hand; pumping station operators; refuse and recyclable material collectors; and miscellaneous material moving workers.</p>
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3) Definition of Racial and Ethnic Terms (as used in Part IV Bidder Employment Information)

<p><u>White</u> (not of Hispanic Origin)- All persons having origins in any of the original peoples of Europe, North Africa, or the Middle East.</p> <p><u>Black</u>(not of Hispanic Origin)- All persons having origins in any of the Black racial groups of Africa.</p> <p><u>Hispanic</u>- All persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.</p>	<p><u>Asian or Pacific Islander</u>- All persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. This area includes China, India, Japan, Korea, the Philippine Islands, and Samoa.</p> <p><u>American Indian or Alaskan Native</u>- All persons having origins in any of the original peoples of North America, and who maintain cultural identification through tribal affiliation or community recognition.</p>
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BIDDER CONTRACT COMPLIANCE MONITORING REPORT

PART I - Bidder Information

(Page 3)

Company Name Street Address City & State Chief Executive	Bidder Federal Employer Identification Number _____ Or Social Security Number _____
Major Business Activity (brief description)	Bidder Identification (response optional/definitions on page 1) -Bidder is a small contractor. Yes__ No__ -Bidder is a minority business enterprise Yes__ No__ (If yes, check ownership category) Black__ Hispanic__ Asian American__ American Indian/Alaskan Native__ Iberian Peninsula__ Individual(s) with a Physical Disability__ Female__
Bidder Parent Company (If any)	- Bidder is certified as above by State of CT Yes__ No__
Other Locations in Ct. (If any)	- DAS Certification Number _____

PART II - Bidder Nondiscrimination Policies and Procedures

1. Does your company have a written Affirmative Action/Equal Employment Opportunity statement posted on company bulletin boards? Yes__ No__	7. Do all of your company contracts and purchase orders contain non-discrimination statements as required by Sections 4a-60 & 4a-60a Conn. Gen. Stat.? Yes__ No__
2. Does your company have the state-mandated sexual harassment prevention in the workplace policy posted on company bulletin boards? Yes__ No__	8. Do you, upon request, provide reasonable accommodation to employees, or applicants for employment, who have physical or mental disability? Yes__ No__
3. Do you notify all recruitment sources in writing of your company's Affirmative Action/Equal Employment Opportunity employment policy? Yes__ No__	9. Does your company have a mandatory retirement age for all employees? Yes__ No__
4. Do your company advertisements contain a written statement that you are an Affirmative Action/Equal Opportunity Employer? Yes__ No__	10. If your company has 50 or more employees, have you provided at least two (2) hours of sexual harassment training to all of your supervisors? Yes__ No__ NA__
5. Do you notify the Ct. State Employment Service of all employment openings with your company? Yes__ No__	11. If your company has apprenticeship programs, do they meet the Affirmative Action/Equal Employment Opportunity requirements of the apprenticeship standards of the Ct. Dept. of Labor? Yes__ No__ NA__
6. Does your company have a collective bargaining agreement with workers? Yes__ No__ 6a. If yes, do the collective bargaining agreements contain non-discrimination clauses covering all workers? Yes__ No__ 6b. Have you notified each union in writing of your commitments under the nondiscrimination requirements of contracts with the state of Ct? Yes__ No__	12. Does your company have a written affirmative action Plan? Yes__ No__ If no, please explain. 13. Is there a person in your company who is responsible for equal employment opportunity? Yes__ No__ If yes, give name and phone number. _____ _____

Part III - Bidder Subcontracting Practices

1. Will the work of this contract include subcontractors or suppliers? Yes__ No__ 1a. If yes, please list all subcontractors and suppliers and report if they are a small contractor and/or a minority business enterprise. (defined on page 1 / use additional sheet if necessary)	1b. Will the work of this contract require additional subcontractors or suppliers other than those identified in 1a. above? Yes__ No__
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PLEASE COMPLETE REVERSE SIDE

PART IV - Bidder Employment Information

Date:

(Page 4)

JOB CATEGORY	OVERALL TOTALS	WHITE (not of Hispanic origin)		BLACK (not of Hispanic origin)		HISPANIC		ASIAN or PACIFIC ISLANDER		AMERICAN INDIAN or ALASKAN NATIVE	
		Male	Female	Male	Female	Male	Female	Male	Female	male	female
Management											
Business & Financial Ops											
Computer Specialists											
Architecture/Engineering											
Office & Admin Support											
Bldg/ Grounds Cleaning/Maintenance											
Construction & Extraction											
Installation , Maintenance & Repair											
Material Moving Workers											
TOTALS ABOVE											
Total One Year Ago											
FORMAL ON THE JOB TRAINEES (ENTER FIGURES FOR THE SAME CATEGORIES AS ARE SHOWN ABOVE)											
Apprentices											
Trainees											

PART V - Bidder Hiring and Recruitment Practices

1. Which of the following recruitment sources are used by you? (Check yes or no, and report percent used)				2. Check (X) any of the below listed requirements that you use as a hiring qualification (X)		3. Describe below any other practices or actions that you take which show that you hire, train, and promote employees without discrimination	
SOURCE	YES	NO	% of applicants provided by source				
State Employment Service					Work Experience		
Private Employment Agencies					Ability to Speak or Write English		
Schools and Colleges					Written Tests		
Newspaper Advertisement					High School Diploma		
Walk Ins					College Degree		
Present Employees					Union Membership		
Labor Organizations					Personal Recommendation		
Minority/Community Organizations					Height or Weight		
Others (please identify)					Car Ownership		
					Arrest Record		
					Wage Garnishments		

Certification (Read this form and check your statements on it CAREFULLY before signing). I certify that the statements made by me on this BIDDER CONTRACT COMPLIANCE MONITORING REPORT are complete and true to the best of my knowledge and belief, and are made in good faith. I understand that if I knowingly make any misstatements of facts, I am subject to be declared in non-compliance with Section 4a-60, 4a-60a, and related sections of the CONN. GEN. STAT.

(Signature)	(Title)	(Date Signed)	(Telephone)
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**Affidavit for Certification of Subcontractors
as Minority Business Enterprises (MBE)**
*(to be completed only for subcontractors not certified as MBE's
by the Department of Administrative Services)*

To document the **Agood faith efforts@** of the below named state contractor to include minority business enterprises as subcontractors (for services and/or material suppliers) on the state contract also identified below, I certify that the following subcontractors meet the criteria for minority business enterprises set forth in CONN. GEN. STAT. § 4a-60(b). I attest that each named minority business enterprise will be contracted by the named state contractor to participate on the identified state contract as a subcontractor.

The subcontractors being identified to be bona fide minority business enterprises are:

Subcontractor Name	Complete Address	Subcontractor's Principal Officer's Name

(use additional sheets as necessary)

I further certify and affirm that I have read and understand the contract compliance requirements codified at CONN. GEN. STAT. Sections 4a-60 & 46a-71(d), and the Contract Compliance Regulations codified at Sections 46a-68j-21 through 43 of the Administrative Regulations of Connecticut State Agencies. I also understand that any false statements made herein are punishable by law.

_____ state contractor legal name

_____ type full printed name and title of official
submitting this affidavit on behalf of
contractor

_____ state contract number

_____ signature of official

_____ state contract awarding agency

_____ date of affidavit

Subscribed and sworn to before me, this _____ day of _____ 20_____

Notary Public/Commissioner of the Superior Court
My Commission expires _____

**STATE OF CONNECTICUT
COMMISSION ON HUMAN RIGHTS AND OPPORTUNITIES**

NOTICE CONCERNING CONTRACT COMPLIANCE RESPONSIBILITIES

TO ALL LABOR UNIONS, WORKER-S REPRESENTATIVES AND VENDORS:

Any contract this contractor has with the State of Connecticut or political subdivisions of the state other than municipalities shall be performed in accordance with CONN. GEN. STAT. Section 4a-60 and Section 4a-60a.

This means that this contractor:

1. Agrees to provide the Commission on Human Rights and Opportunities (CHRO) with any information concerning this contractor's employment practices and procedures which relates to our responsibilities under CONN. GEN. STAT. Sections 4a-60 or 46a-56 or Section 4a-60a.; and
2. Agrees to include the provisions of CONN. GEN. STAT. Section 46a-60(a) and Section 4a-60a in each and every subcontract and purchase order and to take whatever action the CHRO deems necessary to enforce these provisions.

WITH REGARD TO RACE, COLOR, RELIGIOUS CREED, AGE, MARITAL STATUS, NATIONAL ORIGIN, ANCESTRY, SEX, MENTAL RETARDATION OR PHYSICAL DISABILITY, this means that this contractor:

1. Shall not discriminate or permit discrimination against anyone;
2. Shall take affirmative action so that persons applying for employment are hired on the basis of job-related qualifications and that employees once hired are treated without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, mental retardation or physical disability, unless the contractor can show that the disability prevents performance of the work involved;
3. Shall state in all advertisements for employees that it is an affirmative action-equal opportunity employer;
4. Shall comply with CONN. GEN. STAT. Sections 4a-60, 46a-68e and 46a-68f and with each regulation or relevant order issued by the CHRO under CONN. GEN. STAT. Sections 46a-56, 46a-68e and 46a-68f; and
5. Shall make, if the contract is a public works contract, good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials.

WITH REGARD TO SEXUAL ORIENTATION, WHICH INCLUDES HOMOSEXUALITY, BISEXUALITY AND HETEROSEXUALITY:

1. The contractor will not discriminate or permit discrimination against anyone, and employees will be treated without regard to their sexual orientation once employed; and
2. The contractor agrees to fully comply with Section 4a-60a and each regulation or relevant order issued by the CHRO under CONN. GEN. STAT. Section 46a-56.

Persons having questions about this notice or their rights under the law are urged to contact the:

**COMMISSION ON HUMAN RIGHTS AND OPPORTUNITIES
DIVISION OF AFFIRMATIVE ACTION, MONITORING & CONTRACT COMPLIANCE**

21 Grand Street
Hartford, Connecticut 06106
(860) 541-3400

COPIES OF THIS NOTICE SHALL BE POSTED IN CONSPICUOUS PLACES
AVAILABLE TO ALL EMPLOYEES AND APPLICANTS FOR EMPLOYMENT

Connecticut General Statute Section 31-53

Summary of Connecticut's Prevailing Wage Law

Connecticut's prevailing wage law is codified in Connecticut General Statutes [Section 31-53](#) and [31-53a](#). The law applies to each contract for the construction, remodeling, refinishing, refurbishing, rehabilitation, alteration or repair of any public works project by the State or its agents, or by any political subdivision of the State.

Coverage

Conn. Gen. Stat. Section [31-53\(g\)](#) provides monetary thresholds which must be met before the law is applicable. The prevailing wage law does not apply where the **total cost of all work to be performed by all contractors and subcontractors** in connection with new construction of a public works project is less than four hundred thousand (\$400,000) dollars. The prevailing wages law does not apply in connection with remodeling, refinishing, refurbishing, rehabilitation, alteration or repair of any public works project under one hundred thousand (\$100,000) dollars.

Prevailing Rate

The prevailing rate consists of a base rate and a fringe benefit rate which may be paid in cash or benefits. Conn. Gen. Stat. Section [31-53\(d\)](#) permits the Labor Commissioner to adopt and use the prevailing wage rate determinations as have been made by the Secretary of Labor of the United States under the provisions of the Davis-Bacon Act, as amended. **The agent empowered to let such contract shall contact the Labor Commissioner at least ten, but not more than twenty days, prior to the date such contracts will be advertised for bid, to ascertain the proper prevailing rate. Under [Public Act 02-69](#) the rates will be adjusted annually on or before July 1st of each year. These new rates will be on Department of Labor website.**

Certifications

Both the Contractor and the Contracting Agent must provide certifications to the Labor Commissioner. Prior to the award of any contract subject to the prevailing wage law, the contracting agent shall certify in writing to the Labor Commissioner the total dollar amount of work to be done in connection with the public works project, regardless of whether such project consists of one or more contracts. Upon the award of a contract subject to the prevailing wage law, the contractor who is awarded the contract shall also certify, under oath, to the Labor Commissioner the pay scale to be used by the contractor and any of his subcontractors for the work to be performed under the contract. Additionally, each employer subject to the prevailing wage law must file certified payrolls with the contracting agent including information, including but not limited to, employee names; occupations; hours worked; rates paid; and the employers compliance with various provisions of law.

DIVISION 0

Bidding Requirements, Contract Forms, and Conditions of the Contract

Section 00200 – Prevailing Wage Rates/ Contractor's Wage/Payroll Certification

Page 2 of 2

Penalties

There are various civil, criminal and administrative penalties for violations of the prevailing wage law. Failure to pay the prevailing rate is a crime which may be a felony depending upon the amount of unpaid wages. Knowingly filing a false certified payroll or failure to file a certified payroll is a Class D felony for which an employer may be fined up to five thousand dollars, imprisoned for up to five years, or both. Disregarding obligations under Conn. Gen. Stat. Section 31-53 may result in an administrative debarment which may preclude any firm, corporation, partnership or association in which such person or firms have an interest from receiving an award of a contract until a period of up to three years have elapsed. Additionally, civil penalties of \$300 per violation of law may also be assessed upon the employer.

For additional information contact:

Wage and Workplace Standards Division

Public Contract Compliance (860) 263-6790

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

PRODUCER	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
INSURED	INSURERS AFFORDING COVERAGE INSURER A: INSURER B: INSURER C: INSURER D: INSURER E:	NAIC #

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR	ADD'L LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owner's & Contractor's Prot. <hr/> GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
		AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
		EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Yes If yes, describe under SPECIAL PROVISIONS below				<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 100,000 E.L. DISEASE - EA EMPLOYEE \$ 100,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
		OTHER				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

(Indicate the Project and Project number in this space.)

The State of Connecticut is endorsed as an Additional Insured on all of the above policies except Auto-Mobile Liability and Workers' Compensation. If Builders Risk is indicated, The State of Connecticut is endorsed as Loss Payee

CERTIFICATE HOLDER

State of Connecticut
 Department of Children and Families
 505 Hudson Street
 Hartford, CT 06106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

Agreement between Owner and Contractor

Owner

Department of Children and Families
Albert J Solnit Children's Center
915 River Rd.
Middletown, CT 06457

Contractor

Project

West School Gymnasium Improvements
Project # 77-RVHC-224

The Owner and the Contractor for the considerations named herein as set forth below:

1. **Agreement Date:**
2. **Contract Sum:**
3. **Payment Schedule:**
Owner will pay Contractor monthly, less 10% retention.
Retention will be released 30 days after completion.
4. **Documentation required for payment:**
Application for Payment (detailed invoice) of work completed to date. Waiver of lien for the amount of payment due. Supporting documents from suppliers and subcontractors. Inspection reports, signed approving work performed (where applicable). Signed change orders.
5. **Completion Schedule:** Start date:

(60 calendar days from notice to proceed) Completion Date:

5b. Late Completion, the Owner will penalize the Contractor:
\$350 per calendar day
6. **Scope of Work:**
Remove, repair, reset and replace items associated with the access roads, parking lots and sidewalks in accordance with all Plans, Specifications and Addenda.
7. **Work NOT to be performed:**
N/A

8. **Licenses, permits and bonds to be supplied and paid by the as follows:**
Contractor to acquire and pay for permits and bonds related to the work to be performed.
9. **Warranty:**
Contractor’s Labor and Material warranty, 18 months.
Manufacturer’s warranty, where applicable.
10. **Insurance Requirements:**
Certificate of Insurance, naming the owner as ADDITIONAL INSURED.
Worker’s Compensation and General Liability in the amounts as stated in the project specifications.
Vehicle Coverage as stated in the project specifications.
11. **General Provisions:** Contractor is to include all labor and approved materials, Appliances and services of every kind necessary for the execution of work. Contractor shall re-execute any work that fails to conform to the requirements of the contract. Contractor will remove all of his construction debris from the site and leave premises in the condition prior to construction. All work shall be completed in a workmanship like manner and in accordance with all codes and other applicable laws. To the extent required by law, all work shall be performed by individuals duly licensed and authorized by law to perform said work. Contractor has the right to let other contracts in connection with the work contracted for so long as they comply with all the requirements of the documents. Contractor shall adequately protect the work, adjacent property and the public and shall be responsible for any damages or injury due to his act or neglect. Change Orders shall be in writing and signed by both parties to this agreement.
12. Contract Documents include this Agreement and others as follows:
Plans dated
Specifications dated
Addendum

13. See attachment(s): yes no

Owner

Contractor:

By: _____ Date By: _____ Date

Name and Title

Name and Title

Witness

Witness

Name and Title

Name and Title

LABOR AND MATERIAL BOND

Know all men by these presents

THAT _____ of the
Town of _____, Country of _____ and
State of _____, as Principal (hereinafter called the Principal), and _____

(a surety company authorized to transact business in the State of Connecticut), as Surety (hereinafter called the Surety), are held and firmly bound unto the State of Connecticut (hereinafter called the Obligee) in the full penal sum of _____
(\$ _____) Dollars, lawful money of the United States, to be paid to said State of Connecticut, to the which payment well and truly to be made and done, the said Principal binds himself, his heirs, executors, administrators and assigns (or itself, its successors and assigns), and the said Surety binds itself its successors and assigns jointly and severally firmly by these presents.

Signed, sealed and delivered this _____ day of _____ A. D. 20 ____

THE CONDITION OF THIS OBLIGATION IS SUCH THAT

WHEREAS said Principal will enter into a certain written contract with said Obligee, to be dated the _____ day of _____ A. D. 20 ____ which written contract shall provide for the following:

which contract, including any hereafter made extension, modification or alteration thereof is hereby referred to, incorporated in and made a part of this bond as though herein fully set forth.

NOW, THEREFORE, if the said Principal shall promptly pay for all materials furnished and labor supplied or performed in the prosecution of the work included in and under the aforesaid contract, as it may be extended, modified or altered, whether or not the material or labor enters into and becomes a component part of the real asset, then this obligation shall be null and void, otherwise it shall remain and be in full force and effect.

Any party, whether a subcontractor or otherwise, who furnishes materials or supplies or performs labor or services in the prosecution of the work under said contract, as it may be extended, modified or altered, and who is not paid therefore, may bring suit on this bond in the name of the person suing and prosecute the same to final execution and judgment for such sum or sums as may be justly due.

IN TESTIMONY WHEREOF, the said Principal has hereunto set his / its hand and seal, and the said Surety has caused this instrument to be signed by its attorney in fact and its corporate seal to be hereunto affixed, the day and year first written.

Witnesses as to Principal

SEAL

_____, **Its Duly Authorized**

(Print Name)

(Print Name)

Witnesses as to Surety

SEAL

by _____
Its attorney in fact

(Print Name)

(Print Name)

PERFORMANCE BOND

Know all men by these presents

THAT _____ of the
Town of _____, Country of _____ and
State of _____, as Principal (hereinafter called the Principal), and _____

(a surety company authorized to transact business in the State of Connecticut), as Surety (hereinafter called the Surety), are held and firmly bound unto the State of Connecticut (hereinafter called the Obligee) in the full penal sum of _____
(\$ _____) Dollars, lawful money of the United States, to be paid to said State of Connecticut, to the which payment well and truly to be made and done, the said Principal binds himself, his heirs, executors, administrators and assigns (or itself, its successors and assigns), and the said Surety binds itself its successors and assigns jointly and severally firmly by these presents.

Signed, sealed and delivered this _____ day of _____ A. D. 20 ____

THE CONDITION OF THIS OBLIGATION IS SUCH THAT

WHEREAS said Principal will enter into a certain written contract with said Obligee, to be dated the _____ day of _____ A. D. 20 ____ which written contract shall provide for the following:

which contract, including any hereafter made extension, modification or alteration thereof is hereby referred to, incorporated in and made a part of this bond as though herein fully set forth.

NOW, THEREFORE, if the said Principal shall well and truly keep, perform and execute all the terms, conditions and stipulations of said contract, as it may be extended, modified or altered, according to its provisions on his or its part to be kept and performed or shall indemnify and reimburse the Obligee for any loss that it may suffer through the failure of the Principal to faithfully observe and perform each and every obligation and duty imposed upon the Principal by the said contract, as it may be extended, modified or altered, at the time and in the manner therein specified, then this obligation shall be null and void, otherwise it shall remain and be in full force and effect.

Any such. extension, modification or alteration or any forbearance on the part of either the Obligee or the Principal, one to the other, shall not in any way release the Principal and/or the Surety, their heirs, executors, administrators, successors or assigns from liability hereunder, notice to the Surety of any such extension, modification, alteration or forbearance being hereby specifically and absolutely waived.

IN TESTIMONY WHEREOF, the said Principal has hereunto set his / its hand and seal, and the said Surety has caused this instrument to be signed by its attorney in fact and its corporate seal to be hereunto affixed, the day and year first written.

Witnesses as to Principal

SEAL

,Its Duly Authorized

(Print Name)

(Print Name)

Witnesses as to Surety

SEAL

by _____

Its attorney in fact

(Print Name)

(Print Name)

**General Conditions of the Contract for Construction
Department of Public Works
State of Connecticut**

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Article 1
DEFINITIONS

Whenever the following terms, or pronouns in place of them, are used the intent and meaning shall be as follows:

1.1 ADDITIONAL OR DELETED WORK: Work required by the Department that, in the judgment of the Commissioner, involves any addition to, deduction from, or modification of the Work required by the Contract Documents.

1.2 AGENCY: The (User) Agency of the State of Connecticut having administrative authority of the facility in which the Work is being performed.

1.3 APPLICATION FOR PAYMENT, PARTIAL PAYMENT OR REQUISITION: Contractor's certified request for payment for completed portions of the Work and, if the Contract so provides, for materials or equipment suitably stored pending their incorporation into the Work.

1.4 ARCHITECT OR ENGINEER: An individual, partnership, firm, corporation or other business organization under contract with the Owner, commissioned to prepare Contract Drawings and specifications, to advise the Owner and in certain cases, to perform regular inspections during construction and when authorized to perform the duties of the Construction Administrator.

1.5 BASE BID: Monetary value stated in the Bid Proposal form as the sum for which the bidder offers to perform the Work described in the Bidding Documents, exclusive of adjustments for Supplemental Bids.

1.6 BID BOND: Form of bid security executed by the Bidder as Principal and by a Surety to guarantee that the Bidder will enter into a Contract within a specified time and furnish any required bond as mandated by Connecticut General Statute Section 4b-92.

1.7 BIDDER: An individual, partnership, firm, corporation or other business organization submitting a Bid on the Bid Proposal Form for the Work contemplated.

1.8 BIDDING DOCUMENTS: Collectively, the Bidding Requirements and the proposed Contract Documents, including any addenda issued prior to receipt of Bids.

1.9 BID OR BID PROPOSAL FORM: A complete and duly signed proposal to perform Work (or a designated portion thereof) for a stipulated sum submitted in accordance with the Bidding Documents.

1.10 BID SECURITY: Certified check or Bid Bond submitted with Bid Proposal Form, which provides that the Bidder, if awarded the Contract, will execute such Con-

tract in accordance with the requirements of the Bidding Documents.

1.11 BUILDER'S RISK INSURANCE: A specialized form of property insurance which provides coverage for loss or damage to the Work pursuant to the Contract Documents.

1.12 CASH ALLOWANCE: An amount established in the Contract Documents for inclusion in the Contract Sum to cover the cost of prescribed items not specified in detail, and as shown in the Allowance Schedule.

1.13 CERTIFICATE of COMPLETION: A document issued by the Construction Administrator to the Owner stating that the Contractor has met all contractual obligations.

1.14 CERTIFICATE of COMPLETION and ACCEPTANCE: A document issued by the Owner to the Contractor stating that all Work has been completed and that the Work is accepted by the Owner.

1.15 CERTIFICATE of COMPLIANCE: A document issued to the Owner by the design professional stating that for the portion of the project completed, either the design portion or the construction portion, has been performed in substantial compliance with all applicable building codes

1.16 CERTIFICATE OF OCCUPANCY: Document issued by the authority having jurisdiction certifying that all or a designated portion of a building is approved for its designated use.

1.17 CERTIFICATE OF SUBSTANTIAL COMPLETION: A document prepared by the Architect and approved by the Owner on the basis of an inspection stating :

1.17.1 that the Work, or a designated portion thereof, is determined to be Substantially Complete;

1.17.2 the date of Substantial Completion;

1.17.3 the responsibilities of the Owner and the Contractor for security maintenance, heat, utilities, damage to the Work and insurance; and

1.17.4 the time within which the Contractor shall complete the remaining work .

1.18 CHANGE ORDER: Written authorization signed by the Owner, authorizing a modification in the Work, an adjustment in the Contract Sum, or an adjustment in the Contract Time.

1.19 COMMISSIONER: The State of Connecticut, Department of Public Works (DPW) Commissioner acting directly or through specifically authorized DPW personnel or agent(s) having authority to perform duties defined in Article 25.

1.20 CONSTRUCTION ADMINISTRATOR: An individual, partnership, firm, corporation or other business organization, under contract or employed by the Owner commissioned and/or authorized to oversee the fulfillment of all requirements of the Contract Documents. The authorized Construction Administrator may be a Department of Public Works Assistant Project Manager, Department of Public Works Project Manager, a Clerk of the Works, an Architect, a Consulting Architect, a Consulting Construction Administrator, a Consulting Engineer etc. or any other designee as authorized and identified by the Owner.

1.21 CONSTRUCTION CHANGE DIRECTIVE: A written authorization signed by the Owner, directing a modification in the Work and stating a proposed basis for adjustment, if any, in the Contract Sum, Contract Time or both.

1.22 CONTRACT DOCUMENTS OR CONTRACT: The Agreement between Owner and Contractor, Conditions of the Contract (General Conditions, Supplementary Conditions, General Requirements and other Conditions), Drawings, Specifications, and Addenda issued prior to execution of the Contract, other documents listed in the Agreement and Modifications issued after execution of the Contract, all of which shall constitute the Contract.

1.23 CONTRACTOR OR GENERAL CONTRACTOR: An individual, partnership, firm or Corporation, under direct contract with the Department of Public Works, responsible for performing the Work under the Contract Documents. Whenever the words "Contractor" or "General Contractor" are used it shall be understood to mean Contractor.

1.24 CONTRACTOR'S LIABILITY INSURANCE: Insurance purchased and maintained by the Contractor that insures the Contractor for claims for property damage, bodily injury or death.

1.25 CONTRACT START DATE OR DATE OF COMMENCEMENT OF THE WORK: The date, specified by the Owner in the Notice to Proceed, on which the Contractor is required to start the Work.

1.26 CONTRACT SUM: The sum stated in the Contract, which is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

1.27 CONTRACT TIME: The period of time allotted in the Contract Documents for Substantial Completion of the Work, including authorized adjustments thereto. The days specified, calendar or working days, are stipulated in the Bidding Documents.

1.28 DAY: Whenever the word Day is used it shall be understood to mean calendar day or working day as stated on the Bidding Documents, unless stated otherwise.

1.29 DEPARTMENT OF PUBLIC WORKS PROJECT MANAGER or PROJECT MANAGER: The individual employed by the Owner, designated and authorized by the Commissioner, to be responsible for the overall management and oversight of the Project, and to represent the (User) Agency.

1.30 EQUAL (S):: A replacement for the specified material, device, procedure, equipment, etc., which has been determined by the Architect and the Owner to be substantially identical to the first listed manufacturer or first listed procedure specified in terms of cost, quality and performance for the Project. The Equal does not constitute a modification in the scope of Work, the Schedule or Architect/Engineer's design intent of the specified material, device, procedure, equipment, etc.

1.31 FINAL ACCEPTANCE: The Owner's written approval and acceptance of the Work issued to the Contractor upon written certification by the Architect of Final Completion.

1.32 FINAL COMPLETION: A written statement by the Architect to the Owner that the Work has been completed in accordance with the terms and conditions of the Contract Documents.

1.33 FINAL INSPECTION: Review of the Work by the Architect and Owner to determine whether Final Completion has been achieved.

1.34 FINAL PAYMENT: The last payment made by the Owner to the Contractor, made after notice of the Final Acceptance. Payment shall include the entire unpaid balance of the Contract Sum as adjusted by Modifications.

1.35 GENERAL CONDITIONS: The General Conditions of the Contract for Construction, part of Division 0 of the Specifications.

1.36 GENERAL REQUIREMENTS: That part of the Contract Documents entitled General Requirements, which is Division 1.

1.37 LIQUIDATED DAMAGES: A sum established in a Contract, usually as a fixed sum per day, as the predetermined measure of damages to be paid to the Owner due to the Contractor's failure to complete the Work within the Contract Time.

1.38 LUMP SUM: An item or category priced as a whole rather than broken down into its elements.

1.39 MINOR CHANGES IN THE WORK: Changes in the Work not involving an adjustment in the Contract Sum or an extension of the Contract Time and not inconsistent with the intent of the Contract Documents, which shall be affected by written order issued by the Architect.

1.40 MODIFICATION OR AMENDMENT:

1.40.1 A written change to the Contract Documents.

1.40.2 A Change Order.

1.40.3 A Construction Change Directive.

1.40.4 Supplemental Instructions for minor changes in the Work and/or additional instructions to the Work.

1.41 NOTICE TO BIDDER: A notice contained in the Bidding Document informing prospective Bidders of the opportunity to submit Bids on a Project.

1.42 NOTICE TO PROCEED: Written notice, issued by the Commissioner or the Commissioner's authorized representative, to the Contractor authorizing the Contractor to proceed with the Work and establishing the date for commencement of the Contract Time.

1.43 OWNER OR DEPARTMENT: The State of Connecticut, Department of Public Works acting through its Commissioner or specifically authorized Department personnel or agent.

1.44 PAYMENT BOND, LABOR BOND OR MATERIAL BOND: A bond in which the Contractor and the Contractor's surety guarantee to the Owner that the Contractor will pay for labor and materials furnished for use in the performance of the Contract, as required by Connecticut General Statutes Section 49-41.

1.45 PERFORMANCE BOND OR SURETY BOND: A bond in which the Contractor and the Contractor's surety guarantee to the Owner that the Work will be performed in accordance with the Contract Documents, as required by Connecticut General Statutes Section 41.

1.46 PERFORMANCE SPECIFICATION: A description of the desired results or performance of a product, material, assembly, procedure, or a piece of equipment with criteria for identifying the standard.

1.47 PLANS OR DRAWINGS: All drawings or reproductions of drawings pertaining to the construction of the Work contemplated and its appurtenances.

1.48 PROJECT: The total construction of which the Work performed under the Contract Documents may be the whole or a part.

1.49 PROJECT MANUAL: The set of documents assembled for the Work which includes, but is not limited to, Contract Documents, Bidding Requirements, Sample Forms, Conditions of the Contract, General Requirements and the Specifications.

1.50 PROPRIETARY SPECIFICATION: A specification that describes a product, procedure, function, material, assembly, or piece of equipment by trade name and/or by naming the manufacturer(s) or manufacturer's procedure, exact model number, item, etc., of those products acceptable to the Owner.

1.51 RECORD DOCUMENTS OR AS-BUILT DRAWINGS: Construction Drawings revised to show all significant Modifications made during the construction process.

1.52 SCHEDULE: A Critical Path Method (CPM) or Construction Schedule as required by the Contract Documents which shall be a diagram, graph or other pictorial or written schedule showing all events expected to occur and operations to be performed and indicating the contract time, start dates, durations and finish dates and their relationship to Substantial Completion and Final Completion of the Work, rendered in a form permitting determination of the optimum sequence and duration of each operation.

1.53 SCHEDULE OF VALUES: A document furnished by the Contractor to the Architect and Owner stating the portions of the Contract Sum allocated to the various portions of the Work, which is to be used for reviewing the Contractor's Applications for Payment.

1.54 SECONDARY SUBCONTRACTOR: An individual, partnership, firm or Corporation under direct contract with the Subcontractor to the General Contractor.

1.55 SHOP DRAWINGS: Drawings provided to Architect and Owner by a Contractor that illustrate construction, materials, dimensions, installation, and other pertinent information for the incorporation of an element or item into the construction as detailed Contract Documents.

1.56 SPECIFICATIONS: The description, provisions and other requirements pertaining to the method and manner of performing the Work and/or to the quantities and quality of materials to be furnished under the Contract.

1.57 SUBCONTRACTOR: A person, partnership, corporation or other business organization under direct contract with the Contractor supplying labor and/or materials for the Work at the site of the Project.

1.58 SUBMITTALS: Documents including, but not limited to, samples, manufacturer's data, shop drawing, or other such

items submitted to the Owner and Architect by the Contractor for the purpose of approval or other action, as required by the Contract Documents.

1.59 SUBSTANTIAL COMPLETION: The stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the Work for its intended use.

1.60 SUBSTITUTION: A material, device, procedure, equipment, etc., which has been determined by the Architect and the Owner to be not an Equal to the first manufacturer or procedure listed in the Specification in terms of cost, quality and performance but which may be used in place of that item specified. The Substitution constitutes a modification in the Work, the Schedule or the Architect/Engineer's design intent of the specified material, device, procedure, equipment, etc.

1.61 SUPPLEMENTAL BID: The monetary value stated in the Bid to be added to the amount of the Base Bid if the corresponding Work, as described in the Bidding Documents, is accepted.

1.62 SUPPLEMENTARY CONDITIONS: An extension of the General Conditions applicable to any and all portions of Work under the Contract Documents.

1.63 THRESHOLD LIMIT BUILDING: Any proposed (new) structures or additions as defined by the Connecticut General Statutes Section 29-276b.

1.64 UNIT PRICE: The monetary value stated by the Owner or the Contractor, as a price per unit of measure for materials or services as described in the Contract Documents and/or Bidding Documents.

1.65 WORK: The construction and services required by the Contract Documents, and including all labor, materials, equipment and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

Article 2
CONDITIONS OF WORK

2.1 The Contractor shall carefully examine and study the conditions under which the Work is to be performed and the site of the Work, and compare the Contract Documents with each other and to information furnished by the Owner including but not limited to the plans and specifications, the form of the Contract, General Conditions, Supplementary Conditions, General Requirements, Bonds and all other Contract Documents associated with the Work.

2.2 The Contractor shall report to the Construction Administrator all errors, inconsistencies or omissions discovered. The Contractor shall not be liable to the Owner for damage resulting from errors, inconsistencies or omissions in the Contract Documents unless the Contractor recognized such errors, inconsistencies or omission and failed to report it to the Construction Administrator. If the Contractor performs any actions or construction activity knowing it involves an error, inconsistency or omission in the Contract Documents without notice to the Construction Administrator, the Contractor shall assume responsibility for such performance and related costs for the correction and shall not be allowed to submit any claim related to error, inconsistencies or omission.

2.3 The Contractor shall take field measurements and verify field conditions and shall carefully compare such field measurements and conditions and other information known to the Contractor with the Contract Documents before commencing activities. Errors, inconsistencies or omissions discovered shall be reported to the Construction Administrator at once; and it will be assumed that the Contractor has been satisfied as to all requirements of the Contract Documents. Any deterrent conditions at the site of the Work which are obvious and apparent upon examination of the site but are not indicated on the plans shall be corrected by the Contractor without additional compensation.

2.4 In performing the Work, the Contractor must employ such methods or means as will not cause any interruption of or interference with the Work of any other Contractor, nor any inordinate disruption with the normal routine of the Owner, Institution or Agency operating at the site.

2.5 No claims for additional compensation will be considered when additional costs result from conditions made known to, discovered by, or which should have been discovered by, the Contractor prior to Contract signing.

2.6 The Contractor shall perform the Work in accordance with the Contract Documents and approved submittals pursuant to Article 5.

Article 3
CORRELATION OF CONTRACT DOCUMENTS

3.1 The Contract Documents are complementary, and what is called for by any one shall be as binding as if called for by all. Where discrepancies of conflict occur in the Contract Documents the following order of precedence shall be utilized:

3.1.1 Amendments and addenda shall take precedence over previously issued Contract Documents.

3.1.2 The General Requirements take precedence over the Supplementary Conditions.

3.1.3 The Supplementary Conditions take precedence over the General Conditions.

3.1.4 The General Requirements take precedence over the General Conditions.

3.1.5 The Specifications shall take precedence over the Plans.

3.1.6 Stated dimensions shall take precedence over scaled dimensions.

3.1.7 Large-scale detail drawings shall take precedence over small-scale drawings.

3.1.8 The schedules contained in the Contract Documents shall take precedence over other data on the Plans.

3.2 Neither party to the Contract shall take advantage of any obvious error or apparent discrepancy in the Contract Documents. The Contractor shall give immediate written notification of any error or discrepancy discovered to the Construction Administrator, who shall take the necessary actions to obtain such corrections and interpretations as may be deemed necessary for the completion of the Work in a satisfactory and acceptable manner. The Contractor shall then promptly proceed under the direction of the Owner and the provisions of Article 13. The Contractor's failure to provide immediate notice shall mean the Contractor will not be entitled to any additional compensation, either monetary or contract time adjustment, with respect to any discrepancy.

3.3 Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become familiar with local conditions under which the Work is to be performed and correlated personal observations with requirements of the Contract Documents.

3.4 Organization of the Specifications into divisions, sections and articles, and arrangement of drawings, shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

3.5 Unless otherwise stated in the Contract Documents, words which have well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings.

Article 4

COMMENCEMENT AND PROGRESS OF WORK

4.1 The Work shall start upon the date given in the Notice to Proceed. The Contractor shall complete all the Work necessary for Final Completion, including but not limited to Substantial Completion, Contract close-out, testing and demonstration of all systems as required for acceptance, punchlist Work, training and submission of Record Documents, manu-

als, guarantees and warranties as stated in the Bidding Document.

4.2 Time is of the essence with respect to the Contract Time. By executing the Contract, the Contractor confirms and agrees that the Contract Time is a reasonable period to perform the Work. The Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time. The Contractor may, at his discretion, plan to complete the work and achieve Substantial Completion in less time than the Contract Time.

4.3 The Contractor's early completion schedule notwithstanding, the Owner reserves the right to order Modifications to the Work in accordance with Article 13 at any time during the Contract Time.

4.4 The Contractor shall not be entitled to costs for delay due to Owner ordered Modifications or any other circumstances for the period of time between the Contractor's elected early completion and the end of the Contract Time. Costs include, but are not limited to, delays extended home or field office costs, supervisory and management costs incurred in performance of the Work. Early completion of the Work shall not merit additional compensation.

4.5 If the Contractor is delayed at any time in the progress of Work by acts of God such as fire or flood or any action, injunction or stop order issued by any court, judge or officer of the court or any other court action beyond the Owner's control, then the Contract Time may be extended by Change Order for such reasonable time as demonstrated by the Contractor's Schedule and as the Owner may determine that such event has delayed the Work. In any event, the granting of an extension of time shall be solely within the discretion of the Owner.

4.6 Except as otherwise may be provided herein, extensions of time shall be the Contractor's sole remedy for such delay. No payment or compensation of any kind shall be made to the Contractor for damages because of hindrance in the orderly progress of Work caused by the aforesaid causes.

4.7 The Contractor acknowledges that the Contract amount includes and anticipates any and all delays, whether avoidable or unavoidable, from said orders, which may issue from any court, judge, court officer, or act of God, and that such delays shall not, under any circumstances, be construed as compensable delays.

4.8 Any extension of the Contract Time shall be by Change Order pursuant to Article 13.

Article 5
SUBMITTALS, PRODUCT DATA, SHOP
DRAWINGS AND SAMPLES

5.1 Contractor shall review, approve and submit to the Construction Administrator all submittals including but not limited to Product Data, Shop Drawing and Sample Manufacturers, with such promptness as to cause no delay in the Work.

5.2 Correction or approval of such submittals, Shop Drawings, Product Data sample will be made with reasonable promptness by the Architect. Approval will be general only and shall not relieve the Contractor from responsibility for errors in dimensions, for construction and field coordination of the Work or for any departure from the Contract Documents unless such departure has received the Owner's written approval.

5.3 No Work governed by such drawings, schedules or samples shall be fabricated, delivered or installed until approved by the Architect.

5.4 No damages for delays or time extensions will be granted even if approvals deviate from the approved Schedule.

Article 6
SEPARATE CONTRACTS

6.1 The Owner reserves the right to perform Work in connection with the Contract with the Owner's own forces, or to let separate contracts relating to the Contract (Project) site or in connection with work on adjoining sites. In such cases, the Contractor shall afford such parties reasonable opportunity for storage of materials and equipment and coordinate and connect the Work with the work on adjoining sites or other projects, and shall fully cooperate with such parties in the matter required under Article 7 herein.

6.2 Contractors working in the same vicinity shall cooperate with one another and, in case of dispute, decision of the Owner shall be final and binding to all Contractors involved, including Contractors under separate Contracts.

6.3 The Contractor shall assume all liability, financial or otherwise, in connection with this Contract and shall protect and hold harmless the Owner from any and all damages or claims that may arise because of inconvenience or delay which the Contractor may cause other Contractors. If the Contractor experiences a loss because of the presence and operations of other Contractors working adjacent to or within the limits of the same project, then as between the Owner and the Contractor, the Contractor shall bear such loss.

6.4 Insofar as possible, the Contractor shall arrange the Work and shall place and dispose of the materials being used so as not to interfere with the operations of other Contractors adjacent to or within the limits of the same project. The Contractor shall join its Work with that of others in an acceptable manner, and perform the Work in proper accordance with that of the others.

6.5 In no event shall the Owner be responsible for any claim or damages that are the result of the Contractor's failure to coordinate the work with any Contractor or Subcontractor.

Article 7
COOPERATION OF TRADES

7.1 The Contractor shall be responsible for and shall control all activities of their Subcontractors. The Subcontractors shall consult and cooperate with one another. Each Subcontractor shall furnish all necessary information to other Subcontractors and shall lay out and install their own Work so as to avoid any delays or interference with the Work of others.

7.2 Any cost or changes, cutting and/or repairing, made necessary by the failure to observe the above requirements shall be borne by the party or parties responsible for such failure or neglect or their faulty Work installed.

Article 8
DAMAGES

8.1 The Liquidated Damages, provided in the Bidding Documents, will be assessed for each day beyond the date given for Substantial Completion of the Contract according to the Contract Time.

8.2 The Liquidated Damages or any portion thereof may be waived at the sole discretion of the Commissioner.

8.3 No payment by the Owner, either partial or final, shall be construed to waive the Owner's right to seek liquidated damages.

8.4 In the event a court determines that the contract herein is null and void for any reason, Contractor agrees that Contractor will not seek or pursue any lawsuit or claim for damages, including, but not limited to, claims for loss of overhead or anticipated profits, against the Owner and the Owner shall not be liable for any damages which Contractor may incur as a result of such decision. In addition, if the court enjoins the Owner from entering into or proceeding with the contract herein, the Owner shall not be liable for any damages arising out of or relating to the award of such contract which Contractor may have incurred as a result of the injunction.

Article 9
MINIMUM WAGE RATES

In accordance with the provisions of the Connecticut General Statutes Section 31-53, the following applies:

"The wages paid on an hourly basis to any mechanic, laborer or workman employed upon the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such employee to any employee welfare fund, as defined in subsection (h) of section 31-53 of the general statutes, shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any contractor who is not obligated by agreement to make payment or contribution on behalf of such employees to any such employee welfare fund shall pay to each employee as part of his wages the amount of payment or contribution for his classification on each pay day."

Article 10
POSTING MINIMUM WAGE RATES

10.1 The Contractor shall post at conspicuous points on the site of the Contract a Schedule showing all determined wage rates for all trades and all authorized deductions, if any, from wages to be paid.

10.2 The Contractor shall provide weekly certified payrolls to the Owner for all persons working on the site.

Article 11
CONSTRUCTION SCHEDULES

11.1 Unless otherwise specified in the Contract Documents, within twenty-one (21) calendar days from the contract start date, the Contractor shall submit the following to the Owner for approval:

11.1.1 A comprehensive schedule of Submittals required by the Specifications. Said schedule shall include Submittal dates, required approval dates and date material must be on site.

11.1.2 The Contractor shall allow a minimum of two weeks for the Owner and its agents' review of Submittals. No extension of the Contract Time shall be granted for revisions and resubmission. Further, the Contractor shall allow a minimum of eight weeks for testing and acceptance of the Work by the Owner and its agents.

11.1.3 When the Contract Documents specify a "CPM Schedule" a detailed Critical Path Method Schedule is required using software approved by the Owner with as many activities as necessary to make the Schedule an ef-

fective tool for planning and monitoring the progress of the Work. The Contractor shall show all pertinent activities requiring coordination between trades.

11.1.4 When the Contract Documents specify a "Construction Schedule" a detailed Construction Schedule is required using software approved by the Owner as a horizontal bar chart with a separate bar for each major portion of the Work or operation to make the Schedule an effective tool for planning and monitoring the progress of the Work.

11.2 Unless otherwise specified under the Contract Documents, the Contractor shall provide a monthly update of the CPM Schedule or Construction Schedule in the format required by the Owner as well as a disk of the updated Schedule and program. If, in the opinion of the Owner, the Work is falling behind Schedule, the Contractor shall submit a revised Schedule demonstrating a recovery plan to ensure Substantial Completion of the Work within the Contract Time.

11.3 Requisitions for partial payment will not be processed until the Contractor has complied with this requirement.

Article 12
PREFERENCE IN EMPLOYMENT

12.1 Should this Contract be for the construction or repair of any building, then in the employment of labor to perform the Work specified herein, preference shall be given to citizens of the United States, who are, and continuously for at least three (3) months prior to the date hereof, have been residents of the labor market area, as established by the State of Connecticut Labor Commissioner, in which such Work is to be done, and if no such qualified person is available, then to citizens who have continuously resided in the county in which the Work is to be performed for at least three (3) months prior to the date hereof, and then to citizens of the state who have continuously resided in the State at least three months prior to the date hereof.

12.2 Should this Contract be for a public works project other than for the construction, remodeling or repairing of public buildings covered by Connecticut General Statutes Section 31-52, then in the employment of mechanics, laborers or workmen to perform the Work specified herein, preference will be given to residents of the state who are, and continuously for at least six (6) months prior to the date hereof have been residents of this State, and if not such person is available then to residents of other states.

12.3 The provisions of this Article shall not apply where the state or any sub-division thereof may suffer the loss of revenue granted or to be granted from any agency or department of the federal government as a result of this Article or regulations related thereto.

Article 13
COMPENSATION FOR CHANGES
IN THE WORK

13.1 At any time, without invalidating the Contract and by a written order and without notice to the sureties, the Owner, through the Construction Administrator, may order modifications in the Work consisting of additions, deletions or other revisions. Upon request, the Contractor shall supply the Construction Administrator promptly with a detailed proposal for the same, showing quantities of and unit prices for the Work and that of any Subcontractor involved.

13.2 Modifications to the Work will be authorized by a written Change Order, or if necessary to expedite the Work, a written Construction Change Directive, issued by the Owner as provided for in Article 26. Change Orders and Construction Change Directives shall be processed in accordance with the terms of the Contract Documents. Upon receipt of the written Change Order, the Contractor shall proceed with the Work when and as directed.

13.3 If such Change Orders make the Work less expensive for the Contractor, the proper deductions shall be made from the Contract Sum, said deductions to be computed in accordance with the provisions listed in this Article 13.

13.4 The Contractor and the Owner agree that the Contract Time specified for the performance of the Contract shall include not only the Work of the original Contract but also any Additional Work ordered by the Owner by Change Order. No extension of time will be granted if it is the opinion of the Owner that the additional Work can be performed concurrently with the original Work.

13.5 The Contractor may request, and the Owner may grant additional contract time when, in the opinion of the Owner, the Contractor has demonstrated that such additional work cannot be performed concurrently with the original Work.

13.6 The amount of compensation to be paid to the Contractor for any Additional or Deleted Work that results in a Change Order shall be determined in one of the following manners:

13.6.1 AMOUNT OF COMPENSATION FOR CHANGE ORDER COSTS: LABOR, EQUIPMENT, BENEFITS AND MATERIAL

13.6.1.1 Unit Price: As stated in the Contract Documents.

13.6.1.2 Unit Price: As subsequently agreed upon by the Contractor and Owner.

13.6.1.3 Lump Sum: Agreed upon sum by the Owner and the Contractor. The Lump Sum must be based upon the following itemized costs:

13.6.1.3.1 Labor (Contractor's or Subcontractor's own forces)

13.6.1.3.2 Material (Used by Contractor's or Subcontractor's own forces).

13.6.1.3.3 Benefits: (The established rates of the following benefit costs inherent to the particular labor involved):

13.6.1.3.3.1 Workers Compensation.

13.6.1.3.3.2 Federal Social Security.

13.6.1.3.3.3 Connecticut Unemployment Compensation.

13.6.1.3.3.4 Fringe Benefits.

13.6.1.3.4 Rented Equipment (Used directly on the Work and by the Contractor's or Subcontractor's own forces).

13.6.1.3.5 Owned Equipment (Used directly on the Work and by the Contractor's or Subcontractor's own forces). Daily rate is not to exceed 3% of the monthly rental rate as identified by a nationally recognized construction cost estimating guide or service.

13.6.1.3.6 Trade related equipment, hand tools and power tools, normally supplied with the labor are not compensable.

13.6.2 OVERHEAD AND PROFIT PERCENTAGES: (Maximum allowable percentages applied to labor, equipment, benefits and material)

13.6.2.1 Contractor's markup for Work performed by their own forces:

Change Order Amount	Overhead and Profit
\$0 to \$ 5,000	20%
\$5,001 to \$15,000	17%
\$15,001 to \$25,000	15%
\$25,000 and greater	12%

13.6.3 OVERHEAD AND PROFIT PERCENTAGES: (Maximum allowable percentages applied to labor, equipment, benefits and material)

13.6.3.1 Contractor's markup for Work performed by their Subcontractors forces.:

Change Order Amount	Overhead and Profit
\$0 and greater	6%

13.6.4 OVERHEAD AND PROFIT PERCENTAGES: (Maximum allowable percentages applied to labor, equipment, benefits and material)

13.6.4.1 Subcontractor's markup for Work performed by their own forces:

Change Order Amount	Overhead and Profit
\$0 to \$ 5,000	20%
\$5,001 to \$15,000	17%
\$15,001 to \$25,000	15%
\$25,000 and greater	12%

13.6.5 OVERHEAD AND PROFIT PERCENTAGES:
(Maximum allowable percentages applied to labor, equipment, benefits and material)

13.6.5.1 Subcontractor's markup for Work performed by their Secondary Subcontractor's forces.

Change Order Amount	Overhead and Profit
\$0 and greater	6%

13.7 Actual additional bonding costs associated with the value of the Change Order will be compensable only when supported by a written documentation by the bonding company that the Change Order requires an increase to the original Performance, Payment, Labor or Material Bond.

13.8 On Work performed by a Secondary Subcontractor, the Owner recognizes no markup by the Secondary Subcontractor.

13.9 If Unit Prices are not applicable and the parties cannot agree upon a lump sum, then the Commissioner, through the Construction Administrator, may at the option of the Commissioner take the following action(s):

13.9.1 Issue a Construction Change Directive for the Additional or deleted Work. The amount of compensation shall be computed by the actual net costs to the Contractor based upon the following:

13.9.1.1 Labor (Contractor's or Subcontractor's own forces)

13.9.1.2 Material (Used by Contractor's or Subcontractor's own forces).

13.9.1.3 Benefits: (The established rates of the following benefit costs inherent to the particular labor involved):

13.9.1.3.1 Workers Compensation.

13.9.1.3.2 Federal Social Security.

13.9.1.3.3 Connecticut Unemployment Compensation.

13.9.1.3.4 Fringe Benefits.

13.9.1.4 Rented Equipment (Used directly on the Work and by the Contractor's or Subcontractor's own forces).

13.9.1.5 Owned Equipment (Used directly on the Work and by the Contractor's or Subcontractor's own forces). Daily rate is not to exceed 3% of the monthly rental rate that can be identified by a nationally recognized construction cost estimating guide or service.

13.9.2 Issue a Change Order adjusting the Contract Sum in the amount as determined by the Commissioner.

13.10 For any Change Order or Construction Change Directive the Contractor shall, when requested, promptly furnish in a form satisfactory to the Construction Administrator and the Owner a complete detailed accounting of all costs relating to the Additional Work, including but not limited to certified payrolls and copies of accounts, bills and vouchers to substantiate actual costs. Further, the Owner reserves the right to access and make copies of the Contractor's records at

any time upon written request from the Commissioner.

13.11 If the Contractor wishes to make a claim for an increase in the Contract Sum for any damages sustained as a result of Additional Work, then the Contractor shall give the Owner, through the Construction Administrator, written notice thereof within seven (7) calendar days after the occurrence of the event giving rise to such claims.

13.12 No such claims shall be valid if the written notice is submitted after the required seven (7) calendar days. In addition, the Contractor shall file with the Owner through the Construction Administrator daily or weekly itemized statements of the details and cost of such Work performed or damage sustained as may be required by the Owner.

13.13 Failure of the Contractor to negotiate in good faith issues of time and costs and failure to provide requested documentation within (14) fourteen calendar days, or a time period accepted by the Commissioner, shall constitute a waiver by the Contractor of any claim. In such cases the Owner may elect to issue a unilateral Change Order in an amount deemed to be fair and equitable by the Commissioner. The provisions hereof shall not affect the power of the Contractor to act in case of emergency, threatened injury to persons, or damage to Work on any adjoining property. In this case the Commissioner, through the Construction Administrator, shall issue a written order for such amount as the Commissioner finds to be reasonable cost of such Work.

Article 14 **DELETED WORK**

14.1 Without invalidating any of the terms of the Contract, the Commissioner may order deleted from the Contract any items or portions of the Work deemed necessary by the Commissioner.

14.2 The compensation to be deducted from the Contract Sum for such deletions shall be determined in the manner provided for under the provisions of Article 13 or in the event none of the provisions of Article 13 are applicable than by the value as estimated by the Owner.

Article 15 **MATERIALS: STANDARDS**

15.1 Unless otherwise specifically provided for in the Specifications, all equipment, materials and articles incorporated in the Work are to be new and of the best grade of their respective kinds for the purposes. Wherever in the Contract Documents a particular brand, make of material, device, or equipment is shown or specified, the first manufacturer listed in the specification section is to be regarded as the standard.

When the specification is proprietary and only one manufacturer is listed, the Contractor shall use the named manufacturer and no Substitutions or Equals will be allowed.

15.2 Any other brand, make of material, device, equipment, procedure, etc. which is a deviation from the specified requirement is prohibited from use but may be considered by the Owner for approval as an Equal or Substitution. The Contractor is to adhere to the specific requirements of the Contract Documents. Substitutions are discouraged and are only approved by the Commissioner as an exception.

15.3 Each request for an Equal or Substitution shall be submitted, with the appropriate documentation, as detailed in the Contract Documents, to the Construction Administrator. All requests will be compared to the first manufacturer or first procedure listed in the specific Specification section with reference to all of the following areas: the substance and function considering quality, workmanship, economy of operation, durability and suitability for purposes intended including the size, rating and cost. All submissions must include all the required data for the first listed manufacturer or procedure as specified, as well as the proposed Equal or Substitution. The submission of all Equals or Substitutions to those specified must be made within the days listed below after the contract start date. After that time period, the Contractor shall provide what is specified unless otherwise allowed within the sole discretion of the Commissioner.

15.3.1 30 days for projects having a Contract Time duration of 180 days or less

15.3.2 60 days for projects having a Contract Time duration of 181 days to 360 days

15.3.3 90 days for projects having a Contract Time duration of 361 days or greater

15.4 Contractor shall submit each request for Equal or Substitution to the Architect who shall review each request and make the following recommendations to the Owner:

15.4.1 Acceptance or non-acceptance of the adequacy of the submission and required back-up,

15.4.2 Determination of the category of the request for Substitution or Equal, and

15.4.3 Overall recommendation for approval or rejection of the Substitution or Equal. The determination of the category as a Substitution may be grounds for an immediate rejection by the Owner.

15.5 Approval of the Owner, for each Equal or Substitution shall be obtained before the Contractor proceeds with the Work. The decision of the Commissioner, in this regard, shall be final and binding on the Contractor.

15.6 No extension of time will be allowed for the time period required for consideration of any Substitution or Equal. No extension of time will be allowed and no responsibility will be assumed by the Owner when a Contractor submits a

request for Substitution or Equal, whether such request be approved or denied.

15.7 If the Contractor submits any request for an Equal or a Substitution, he shall bear the burden of proof that such requested Equal or Substitution meets the requirements of the plans and specifications.

15.8 The Contractor shall purchase no materials or supplies for the Work which are subject to any chattel mortgage or which are under a conditional sale or other agreement by which an interest is retained by the seller. The Contractor warrants that the Contractor has good title to all materials and supplies used by him in the Work.

15.9 All Products and systems supplied to the State as result of a purchase by a contractor shall be certified that, to the best of the supplier's knowledge there are no materials that are classified as hazardous materials being used within the assembly. Hazardous materials include, but are not limited to, products such as asbestos, lead and other materials that have proven to cause a health risk by their presence.

Article 16 **INSPECTION AND TESTS**

16.1 The purpose of the inspections will be to assure that the Work is performed in accordance with the Contract Documents. These inspections shall include, but not be limited to all inspections and testing as required by the Owner, and any authorities have jurisdiction.

16.2 All material and workmanship, if not otherwise designated by the Specifications, shall be subject to inspection, examination and test by the Commissioner at any and all times during manufacture and/or construction and at any and all places where such manufacture and/or construction is carried on. The Contract Documents additionally identify the parties responsible for performing and paying for the required testing and inspections. All required tests performed in a laboratory will be obtained and paid for by the Owner except when the tests show the Work to be defective. The Contractor shall pay for all the costs associated with re-tests and re-inspections for all tests and inspections which fail. The Owner will issue a deduct Change Order to recover said retesting costs from the Contractor. All other tests, unless otherwise specified, shall be made at the Contractor's expense. Notice of the time of all tests to be made at the site shall be given to all interested parties, including the Owner.

16.3 Without additional cost to the Owner, the Contractor shall promptly furnish facilities, labor and materials necessary to coordinate and perform operational tests and checkout of the Work. The Contractor shall furnish promptly all reasonable facilities, labor and materials necessary to make all such testing safe and convenient.

16.4 If, at any time before Final Completion and Final Acceptance of the Work, the Commissioner considers it necessary or advisable to examine of any portion of the Work already completed by removing or tearing out the same, the Contractor shall, upon request, furnish promptly all necessary facilities, labor and materials. If such Work is found to be defective in any material respect, as determined by the Owner, because of a fault of the Contractor or any of the Contractor's Subcontractors, or if any Work shall have been covered without the approval or consent of the Commissioner (whether or not it is found to be defective), the Contractor shall be liable for testing costs and all costs of correction, including removal and/or demolition of the defective work, including labor, material, and testing, including labor, material, re-testing or re-inspecting, services of required consultants, additional supervision, the Commissioner's and the Construction Administrator's administrative costs, and other costs for services of other consultants.

Article 17
ROYALTIES AND PATENTS

17.1 If the Contractor desires to use any design, device, material or process covered by a patent or copyright, the Contractor shall provide for such use by suitable legal agreement with the holder of said patent or copyright. The Contractor shall furnish a copy of this legal agreement to the Owner.

17.2 The Contractor shall indemnify and hold harmless the Owner and Construction Administrator for any costs, expenses and damage which it may be obliged to pay by reason of any infringement of a patent or a copyright, at any time during the prosecution or after the Final Completion of the Work.

Article 18
SURVEYS, PERMITS AND REGULATIONS

18.1 Unless otherwise provided for, the Contractor shall furnish surveys necessary for the execution of the Work. The Owner will furnish the Contractor with two base lines and a benchmark.

18.2 The Contractor shall obtain and pay for permits and licenses necessary for the execution of the Work and the occupancy and use of the completed Work.

18.3 The Contractor shall give all notices and comply with all laws, ordinances, rules and regulations including building and fire safety codes relating to the performance of the Work.

18.4 If underground utilities may involve part of the Work, the Contractor shall obtain the services of a qualified under-

ground utility locating firm, at no cost to the Owner, to verify locations of underground utilities, to provide safety, protect the Work and protect the workmen as necessary to perform the Work.

Article 19
**PROTECTION OF THE WORK,
PERSONS AND PROPERTY**

19.1 The Contractor shall continuously and adequately protect the Work against damage from any cause, and shall protect materials and supplies furnished by the Contractor or Subcontractors, whether or not incorporated in the Work, and shall make good any damage unless it be due directly to errors in the Contract Documents or is caused by agents or employees of the Owner.

19.2 To the extent required by law, by public authority, or made necessary in order to safeguard the health and welfare of the personnel or occupants of any of the state institutions, the Contractor shall adequately protect adjacent property and persons, and provide and maintain all facilities, including but not limited to passageways, guard fences, lights, and barricades necessary for such protection.

19.3 The Contractor shall take all necessary precautions for the safety of employees on the Work and shall comply with applicable provisions of federal and state safety laws and building codes to prevent accidents or injury to persons on, about or adjacent to the premises where the Work is being performed. The Contractor shall also comply with the applicable provisions of the Associated General Contractors' "Manual of Accident Prevention in Construction", the standards of the Connecticut Labor Department and Occupational Safety and Hazard Association (OSHA).

19.4 The Contractor shall erect and properly maintain at all times, as required by the conditions and progress of the Work, all necessary safeguards for the protection of employees of the State and the public, and shall post danger signs warning against any dangerous condition or hazard created by such things as protruding nails, well holes, elevator hatchways, scaffolding, window openings, excavations, tripping hazards or slipping, stairways and falling materials.

19.5 The Contractor shall designate a qualified and responsible on site staff person, whose duty shall be the prevention of accidents. The name and position of the designated person shall be reported to the Owner by the Contractor at the commencement of the Contract.

19.6 The Contractor shall at all times protect excavation, trenches, buildings and all items of Work from damage by rain, water from melted snow or ice, surface water run off and subsurface water usual for the vicinity at the time of op-

erations; and provide all pumps and equipment and enclosures to insure such protection.

19.7 The Contractor shall construct and maintain all necessary temporary drainage and do all pumping necessary to keep excavation, basements, footings and foundations free of water.

19.8 The Contractor shall remove all snow and ice as may be required for access to the site and proper protection and prosecution of the Work.

19.9 The Contractor shall install bracing, shoring, sheathing, sheet piling, caissons and any other underground facilities as required for safety and proper execution of the Work, and shall remove this portion of the Work when no longer necessary.

19.10 During cold weather the Contractor shall protect all Work from damage. If low temperature makes it impossible to continue operations safely in spite of cold weather precautions, the Contractor may cease Work upon the written approval of the Commissioner.

Article 20 **TEMPORARY UTILITIES**

20.1 Unless expressly provided for otherwise in the Contract Documents, the Contractor shall include in the bid the costs of all temporary utilities required for project completion and protection of the Work. Said temporary utilities include but are not limited to lighting, heating, cooling, electrical power, water, telephone, sanitary facilities, and potable water.

Article 21 **CORRECTION OF WORK**

21.1 The Contractor shall promptly and without expense to the Owner remove from the premises all materials rejected by or unacceptable to the Commissioner as failing to conform to the Contract Documents, whether incorporated in the Work or not.

21.2 The Contractor shall promptly and without expense to the Owner replace any such materials which do not conform to the Contract Documents, and shall bear the expense of making good all Work of other Contractors or Subcontractors destroyed or damaged by such removal or replacement.

21.3 If the Contractor, after receipt of notice from the Owner, shall fail to remove such rejected or unacceptable materials within a reasonable time as fixed in said notice, the Owner may remove and store such materials at the expense of the Contractor.

21.4 Such action shall not affect the obligation of the Contractor to replace and complete assembly and installation of the Work and to bear the expenses referred to above. Prior to the correction of rejected or unacceptable Work or if the Commissioner deems it inexpedient or undesirable to correct any portion of the Work which was rejected, deemed unacceptable or not done in accordance with the Contract Documents, the Contract sum shall be reduced by such amount as, in the judgment of the Commissioner, shall be equitable.

21.5 No extension of time will be given to the Contractor for correction of rejected or unacceptable Work. All significant punchlist Work shall be completed before Substantial Completion is determined. The remaining minor punchlist Work, as determined by the Commissioner, shall be completed within 60 days of established Substantial Completion date.

21.6 Final Payment shall not relieve the Contractor of responsibility for the defects in material or workmanship.

21.7 Unless expressly provided for otherwise in the Contract Documents, the Contractor shall remedy any rejected or unacceptable Work, and any Work found to be not conforming to the Contract Documents which is discovered within 18 Months after the date of Substantial Completion. The Contractor shall pay for any damage to other Work caused by such nonconforming Work or any damage created in correcting the nonconforming Work.

Article 22 **GUARANTEES and WARRANTIES**

22.1 Unless expressly provided for otherwise in the Contract Documents, the Contractor shall provide a warranty on the Work for an 18-Month period from the date of Substantial Completion. The Contractor shall warrant that the equipment, materials and workmanship are of good quality and new, unless permitted elsewhere by the Contract Documents, and that the Work shall be free from defects not inherent in the quality required or permitted and that the Work conforms to the Contract Documents.

22.2 Disclaimers and limitations from manufactures, Subcontractors, suppliers or installers to the Contractor shall not relieve the Contractor of the Warranty on the Work. The Contract Documents detail the related damages, reinstatement of warranty, replacement cost and Owner's recourse.

Article 23 **CUTTING, FITTING, PATCHING AND DIGGING**

23.1 The Contractor will perform or will cause the Subcontractors to perform all cutting, fitting or patching of the por-

tion(s) of the Work that may be required to make the several parts thereof joined and coordinated in a manner satisfactory to the Commissioner and in accordance with the Plans and Specifications.

23.2 The responsibility for defective or ill-timed Work shall be with the Contractor, but such responsibility shall not in any way relieve the Subcontractor who performed such Work. Except with the consent of the Commissioner, neither the Contractor nor any of its Subcontractors shall cut or alter the Work of any other Contractor or Subcontractor.

Article 24
CLEANING UP

24.1 The Contractor shall, on a daily basis, keep the premises free from accumulations of waste material or rubbish.

24.2 Prior to Final Completion of the Work, the Contractor shall remove from and about the site of the Work, all rubbish and all temporary structures, tools, scaffolding and surplus materials, supplies and equipment which may have been used in the performance of the Work. If the Commissioner in his sole discretion determines that the Contractor has failed to clean the work site, the Owner may remove the rubbish and charge the cost of such removal to the Contractor. A deduct Change Order will be issued by the Owner to recover such cost.

Article 25
ALL WORK SUBJECT TO CONTROL OF THE
COMMISSIONER

25.1 The Commissioner hereby declares that the Department of Public Works Project Manager is the Commissioner's only authorized representative to act in matters involving the Owner's or Architect's ability to revoke, alter, enlarge or relax any requirement of the Contract Documents; to settle disputes between the Contractor and the Construction Administrator; and act on behalf of the Commissioner. In all such matters, the provisions of Articles 13 and 14 herein shall guide the Project Manager.

25.2 In no event may the Contractor act on any instruction of the Agency without written consent of the Owner. In the event the Contractor acts without such consent, he does so at his own risk and at his own expense, not only for the Work performed, but for the removal of such Work as determined necessary by the Commissioner.

25.3 In the performance of the work, The Contractor shall abide by all orders, directions, and requirements of the Commissioner at such time and places and by such methods

and in such manner and sequence as the Commissioner may require.

25.4 The Commissioner shall determine the amount, quality, acceptability and fitness of all parts of the work, shall interpret the plans, specifications, Contract Documents and extra work orders and shall decide all other questions in connection with the Work.

25.5 The Contractor shall employ no plant, equipment, materials, methods or persons to which the Commissioner objects and shall remove no plant materials, equipment or other facilities from the site of the Work without the permission of the Commissioner. Upon request, the Commissioner shall confirm in writing any oral order, direction, requirement or determination.

Article 26
AUTHORITY OF THE CONSTRUCTION
ADMINISTRATOR

26.1 The Construction Administrator employed by the Commissioner is authorized to inspect all Work for conformance to the Contract Documents. The Construction Administrator is authorized to reject all Work found to be defective, unacceptable and nonconforming to the Contract Documents. Such inspections and rejections may extend to all or any part of the Work, and to the preparation or manufacture of the material to be used.

26.2 The Construction Administrator is not empowered to revoke, alter, enlarge or relax any requirements of the Contract Documents, or to issue instructions contrary to the Contract Documents. The Construction Administrator shall in no case act as foreman or perform other duties for the Contractor, nor shall the Construction Administrator interfere with the management of the Work by the Contractor. Any advice, which the Construction Administrator may give the Contractor, shall in no way be construed as binding the Commissioner or Owner in any way, nor releasing the Contractor from the fulfillment of the terms of the Contract.

26.3 In any dispute arising between the Contractor and the Construction Administrator with reference to inspection and rejection of the Work, the Construction Administrator may suspend work on the noncompliant portion of the Work until the dispute can be referred to and decided by the Commissioner.

Article 27
SCHEDULE OF VALUES,
APPLICATION FOR PAYMENT

27.1 Immediately after the signing of the Contract, the Contractor shall furnish for the use of the Commissioner as a basis for estimating partial payments, a certified Schedule of Values, totaling the contract sum and broken down into quantities and unit costs, as outlined in the Contract Documents and as directed by the Owner. The Schedule of Values must reflect true costs and be in sufficient detail to be an effective tool for monitoring the progress of the Work. Upon request of the Commissioner, the Contractor shall supply copies of signed Contracts, vendor quotations, etc. as back up to the Schedule of Values.

27.2 Approval of the Schedule of Values by the Commissioner is required prior to any payment by the Owner.

27.3 The Schedule of Values shall include a breakdown of the Contractor's general condition costs.

27.3.1 Non-recurring costs, (i.e. mobilization costs, utility hook-ups, temporary heat) will be paid at the time of occurrence.

27.3.2 Reoccurring costs will be paid in proportion to the percent of completion of the project.

27.4 The Schedule of Values shall include a breakdown of Contract closeout costs including systems certification testing and acceptance, training, warranties, guarantees, as-builts and attic stock.

27.5 The Contractor shall make periodic applications for payment, which shall be subdivided into categories corresponding with the approved Schedule of Values and shall be in such numbers of copies as may be designated by the Commissioner.

Article 28 **PARTIAL PAYMENTS**

28.1 The Commissioner will examine the Contractor's applications for payments to determine, in the opinion of the Commissioner, the amounts that properly represent the value of the Work completed and for the materials suitably stored on the site.

28.2 In making such Application For Payment for the Work, there shall be deducted (10%) ten percent of the amount of each payment to be retained by the Owner until Final Completion.

28.3 At the sole discretion of the Commissioner, and after completion and acceptance of (60%) sixty percent of the value of the Work, and if the character and progress of the Work remain satisfactory, the retained portion of the Application for Payments may be reduced to five percent (5%) of total payments. The minimum total amount of payment retained, prior to the Final Payment shall not be less than five percent

(5%) of the Contract Sum.

28.4 The decision of the Commissioner to reduce the retainage rate will be based upon the Contractor's performance for completed portions of the Work as set out below and other factors the Commissioner may find appropriate:

28.4.1 The Contractor's timely submission of an appropriate and complete CPM Schedule or Construction Schedule and Schedule of Values, in compliance with the Contract requirements and the prompt resolution of the Owner's and/or Architect's comments on the submitted material resulting in an appropriate basis for progress of the Work.

28.4.2 The Contractor's timely and proper submission of all Contract required submissions: including but not limited to shop drawings, material certificates and material samples and the prompt resolution of the Owners and/or Architect's comments on the submitted material resulting in an appropriate progress of the Work.

28.4.3 The Contractor's provision of proper and adequate supervision and home office support of the Project and any Subcontractor Work resulting in coordinated progress and proper quality control for the Work.

28.4.4 The Work completed to date has been installed or finished in an acceptable manner which is satisfactory to the Owner.

28.4.5 The progress of the Work is consistent with the approved CPM Schedule or Construction Schedule.

28.5 No payments will be made for improperly stored or protected materials or unacceptable Work.

Article 29 **DELIVERY OF STATEMENT SHOWING** **AMOUNTS DUE FOR WAGES, MATERIALS AND** **SUPPLIES**

29.1 For each Application for Payment under this Contract, the Owner reserves the right to require the Contractor and every Subcontractor to submit a written verified statement, in a form satisfactory to the Owner, showing in detail all amounts then due and unpaid by such Contractor or Subcontractor for daily or weekly wages to all laborers employed by him for the performance of the Work or to other persons for materials, equipment or supplies delivered at the site.

29.2 The term laborers as used herein shall include workmen, workwomen, and mechanics.

29.3 Failure to comply with this requirement may result in the Owner withholding the application for payment pursuant to Article 28.

Article 30 **COMPLETION AND ACCEPTANCE**

30.1 Substantial Completion:

30.1.1 When the Contractor considers that the Work, or a portion thereof is Substantially Complete, the Contractor shall request an inspection of said Work to the Construction Administrator.

30.1.2 Upon receipt of the request, the Architect, Construction Administrator and Owner, will make an inspection to determine if the Work or designated portion thereof is Substantially Complete. If the inspection discloses any item, whether or not included on the inspection list, which is not in accordance with the requirements of the Contract Documents, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item.

30.1.3 The Contractor shall then submit a request for another inspection. The determination of Substantial Completion is solely within the discretion of the Owner.

30.1.4 When the Work or designated portion thereof is determined to be Substantially Complete, the Contractor will be provided a Certificate of Substantial Completion from the Owner. The Certificate of Substantial Completion, shall establish the date when the responsibilities of the Contractor for security, maintenance, heat, utilities, damage to the Work and insurance, are transferred to the Owner and shall fix the time within which the Contractor shall finish all items on the inspection list accompanying the Certificate.

30.1.5 The Certificate of Substantial Completion shall be signed by the Construction Administrator, Owner, and Architect.

30.1.6 Upon Substantial Completion of the Work or designated portion thereof and upon application by the Contractor and certification by the Construction Administrator and Architect, the Owner shall make payment reflecting adjustment in retainage, if any, for such Work or portion thereof as provided in the Contract Documents.

30.2 Final Completion:

30.2.1 Upon Final Completion of the Work, the Contractor shall forward to the Construction Administrator a written notice that the Work is ready for Final Inspection and Acceptance and shall also forward to the Construction Administrator, a Final Application for Payment. Upon determination by the Owner that all the Work is complete, the Owner will issue a Certificate of Completion and Acceptance.

30.2.2 When the Work has been completed in accordance with terms and conditions of the Contract Documents a Certificate of Completion shall be issued to be signed by the Contractor.

31.1 The Owner reserves the right to retain for a period of thirty (30) days after filing of the Certificate of Completion and Acceptance the amount therein stated less all prior payments and advances whatsoever to or for the account of the Contractor.

31.2 All prior estimates and payments, including those relating to extra or additional Work, shall be subject to correction by the Final Payment.

31.3 No Application for Payment, Final or Partial, shall act as a release to the Contractor or the Contractor's sureties from any obligations under this Contract.

31.4 The Architect and Construction Administrator will promptly issue the Certificate for Payment, stating that to the best of their knowledge, information and belief, and on the basis of their observations and inspections, the Work has been completed in accordance with terms and conditions of the Contract Documents and that the entire balance found to be due the Contractor and noted in said Final Payment is due and payable.

31.5 Final Payment shall not be released until a Certificate of Completion and Acceptance and a Certificate of Compliance have been issued.

31.6 Neither Final Payment nor any remaining retained percentage shall become due until the Contractor submits to the Owner the following:

31.6.1 An affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied.

31.6.2 A certificate evidencing that insurance required by the Contract Documents to remain in force after Final Payment is currently in effect and will not be canceled or allowed to expire without at least 30 days prior written notice to the Owner.

31.6.3 A written statement that the Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents.

31.6.4 Written consent of surety, if any, to Final Payment.

31.6.5 If required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts, releases and waivers of liens, claims, security interests or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If a Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such lien. If such lien remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging

Article 31
FINAL PAYMENT

such lien, including all costs and reasonable attorney's fees.

31.6.6 If, after Substantial Completion of the Work, Final Completion thereof is materially delayed through no fault of the Contractor or by issuance of Change Orders affecting Final Completion and the Construction Administrator and Architect so confirm, the Owner shall, upon application by the Contractor and certification by the Construction Administrator and Architect, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Contract Documents, and if bonds have been furnished, the written consent of surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the Contractor to the Owner prior to Final Payment. Such payment shall be made under terms and conditions governing Final Payment, except that it shall not constitute a waiver of Claims.

Article 32

OWNER'S RIGHT TO WITHHOLD PAYMENTS

32.1 The Commissioner may withhold a portion of any Payment due the Contractor that may, in the judgment of the Commissioner, be necessary:

32.1.1 To assure the payment of just claims then due and unpaid to any persons supplying labor or materials for the Work.

32.1.2 To protect Owner from loss due to defective, unacceptable or non-conforming Work not remedied by the Contractor.

32.1.3 To protect the Owner from loss due to injury to persons or damage to the Work or property of other Contractors, Subcontractors, or others caused by the act or neglect of the Contractor or any of its Subcontractors.

32.2 The Owner shall have the right to apply any amount withheld under this section as the Owner may deem proper to satisfy protection from claims. The amount withheld shall be considered a payment to the Contractor.

32.3 The Owner has the right to withhold payment if the Contractor fails to provide accurate submissions of submittals, up date the status including but not limited to the following: as-built documents, request for information (RFI) log, Schedule, submittal log, change order log, certified payrolls and daily reports and all other requirement of the Contract Documents.

32.4 Neither Final Payment nor any remaining retained percentage shall become due until the Contractor submits to the Architect through the Construction Administrator:

32.4.1 An affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied,

32.4.2 A certificate evidencing that insurance required by the Contract Documents to remain in force after Final Payment is currently in effect and will not be canceled or allowed to expire until at least 30 days' prior written notice has been given to the Owner,

32.4.3 A written statement that the Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents,

32.4.4 Consent of surety, if any, to Final Payment and

32.4.5 If required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts, releases and waivers of liens, claims, security interests or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner.

32.5 If a Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such lien. If such lien remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging such lien, including all costs and reasonable attorney's fees.

Article 33

OWNER'S RIGHT TO STOP WORK OR TERMINATE CONTRACT

33.1 The Commissioner shall have the authority to suspend the Work wholly or in part, for such period or periods as the Commissioner considers to be in the best interests of the State, or in the interests of public necessity, convenience or safety. During such periods the Contractor shall store all materials and equipment, in such a manner to prevent the materials and equipment from being damaged in any way, and the Contractor shall take precautions to protect the Work from damage.

33.1.1 If the Commissioner, in writing, orders the performance of all or any portion of the Work to be suspended or delayed for an unreasonable period of time (i.e. not originally anticipated, customary, or inherent in the construction industry) and the Contractor believes that additional compensation and/or Contract Time is due as a result of such suspension or delay, the Contractor shall submit to the Commissioner in writing a request for a Contract adjustment within 7 calendar days of receipt of the notice to resume Work. The request shall set forth the specific reasons and support for said adjustment.

33.1.2 The Commissioner shall evaluate any such requests received. If the Commissioner agrees that the cost and/or

time required for the performance of the Contract has increased as a result of such suspension and that the suspension was caused by conditions beyond the control of and not the fault of the Contractor, its suppliers, or Subcontractors, and was not caused by weather, then the Commissioner will make a reasonable adjustment, excluding profit, of the Contract terms. The Commissioner will notify the Contractor of the determination as to what adjustments of the Contract, if any, that the Commissioner deems warranted.

33.1.3 No Contract adjustment will be made unless the Contractor has submitted the request for adjustment within the time prescribed.

33.1.4 No contract adjustment will be made under this Article to the extent that performance would have been suspended or delayed by any other cause within the Contractor's control or by any factor for which the Contractor is responsible under the Contract; or that such an adjustment is provided for or excluded under other term or condition of this Contract.

33.2 Notwithstanding any provision or language in the Contract to the contrary, the State may terminate the Contract whenever the Commissioner determines at his sole discretion that such termination is in the best interests of the State. Any such termination shall be effected by delivery to the Contractor of a written Notice of Termination specifying the extent to which performance of Work under the Contract is terminated, and the date upon which such termination shall be effective.

33.2.1 In the event of such termination, the Contractor shall be entitled to reasonable compensation as determined by the Commissioner, however, no claim for lost overhead or profits shall be allowed.

33.2.2 Materials obtained by the Contractor for the Work that have been inspected, tested as required, and accepted by the Commissioner, and that are not incorporated into the Work, shall, at the option of the Commissioner, be purchased from the Contractor at actual cost as shown by receipted bills. To this cost shall be added all actual costs for delivery at such points of delivery as may be designated by the Commissioner, as shown by actual cost records.

33.2.3 Termination of the Contract shall not relieve the Contractor or its Surety of their responsibilities for the completed Work, nor shall it relieve the Contractor's Surety of its obligations to ensure completion of the Work and to pay legitimate claims arising out of Work.

Article 34

SUBLETTING OR ASSIGNING OF CONTRACT

34.1 The Contract or any portion thereof, or the Work provided for therein, or the right, title or interest of the Contractor therein may not be sublet, sold, transferred, assigned, or

otherwise disposed of to any person, firm or corporation without the written consent of the Commissioner.

34.2 No person, firm or corporation other than the Contractor to whom the Contract was awarded shall be permitted to commence Work at the site of the Contract until such consent has been granted.

Article 35

CONTRACTOR'S INSURANCE

35.1 The Contractor shall not start Work under the Contract until they have obtained insurance as stated in SECTIONS 00300 CERTIFICATE OF INSURANCE and 00020 BID PROPOSAL FORM, subsections 4.4.2 and 4.4.3, of this Project Manual and until the insurance has been approved by the Owner. The Contractor shall not allow any Subcontractor to start Work until the same insurance has been obtained by the Subcontractor and approved by the Owner or the Contractor's insurance provides coverage on behalf of the Subcontractor. The Contractor shall send Certificates of Liability Insurance to the Bidding and Contracts Unit, Department of Public Works, 165 Capitol Avenue, Room G-9A, Hartford, CT 06106 unless otherwise directed in writing. Presented below is a narrative summary of the insurance required.

35.1.1 Commercial General Liability insurance including contractual liability, products/completed operations, broad form property damage and independent Contractors. The limits shall be no less than \$1,000,000 each occurrence and \$2,000,000 annual aggregate. Coverage for hazards of explosion, collapse and underground (X-C-U) must also be included when applicable to the Work to be performed. The State of Connecticut shall be named as an Additional Insured. This coverage shall be provided on a primary basis.

35.1.2 Owner's and Contractor's Protective Liability insurance providing a total limit of \$1,000,000 for all damages arising out of bodily injury or death of persons in any one accident or occurrence and for all damages arising out of injury or destruction of property in any one accident or occurrence and subject to a total (aggregate) limit of \$2,000,000 for all damages arising out of bodily injury to or death of persons in all accidents or occurrences and out of injury to or destruction of property during the policy period. This coverage shall be for and in the name of the State of Connecticut.

35.1.3 The operation of all motor vehicles including those owned, non-owned and hired or used in connection with the Contract shall be covered by **Automobile Liability** insurance providing for a total limit of \$1,000,000 for all damages arising out of bodily injuries to or death of all

persons in any one accident or occurrence and for all damages arising out of injury to or destruction of property in any one accident or occurrence. In cases where an insurance policy shows an aggregate limit as part of the automobile liability coverage, the aggregate limit must be at least \$2,000,000. This coverage shall be provided on a primary basis. Should the Contractor not own any automobiles, the automobile & liability requirement shall be amended to allow the Contractor to maintain only hired and non-owned liability.

35.1.4 Workers' Compensation and Employer's Liability as required by Connecticut Law and **Employers' Liability** with a limit of not less than \$100,000 per occurrence, \$500,000 disease policy limit and \$100,000 disease each employee. When Work is on or contiguous to navigable bodies of waterways and ways adjoining, the Contractor shall include Federal Act endorsement for U.S. Longshoremen's and Harbor Workers Act.

35.1.5 Special Hazards insurance, if required, will be stated in SECTION 00020 BID PROPOSAL FORM, subsection 4.4.2 of this Project Manual. This includes coverage for explosion, collapse or underground damage and shall be no less than \$1,000,000 each occurrence.

35.1.6 Builder's Risk insurance, if required, will be stated in SECTION 00020 BID PROPOSAL FORM, subsection 4.4.3 of this Project Manual.

35.1.7 Inland Marine/Transit Insurance: With respect to property with values in excess of \$100,000 which is rigged, hauled or situated at the site pending installation, the Contractor shall maintain inland marine/transit insurance provided the coverage is not afforded by a Builder's Risk policy.

35.2 Satisfying Limits Under an Umbrella Policy: If necessary, the Contractor may satisfy the minimum limits required above for either Commercial General Liability, Automobile Liability, and Employer's Liability coverage under an Umbrella or Excess Liability policy. The underlying limits may be set at the minimum amounts required by the Umbrella or Excess Liability policy provided the combined limits meet at least the minimum limit for each required policy. The Umbrella or Excess Liability policy shall have an Annual Aggregate at a limit not less than two (2) times the highest per occurrence minimum limit required above for any of the required coverages. The State of Connecticut shall be specifically endorsed as an Additional Insured on the Umbrella or Excess Liability policy, unless the Umbrella or Excess Liability policy provides continuous coverage to the underlying policies on a complete "Follow-Form" basis.

35.3 Each insurance policy required to be maintained by the Contractor except Workers' Compensation and Automobile

Liability shall endorse the State of Connecticut as an Additional Insured. Additional Insured endorsements shall provide coverage on a primary basis.

35.4 When required to be maintained, the Builder's Risk and Inland Marine/Transit Insurance policy shall endorse the State of Connecticut as a Loss Payee.

35.5 The Contractor shall, at its sole expense, maintain in full force and effect at all times during the life of the Contract or the performance of Work hereunder, insurance coverage as described herein. Certificates shall include a minimum thirty (30) day endeavor to notify requirement to the Owner prior to any cancellation or non-renewal.

35.6 The Contractor shall be fully and solely responsible for any costs or expenses as a result of a coverage deductible, coinsurance penalty, or self-insured retention, including any loss not covered because of the operation of such deductible, coinsurance penalty, or self-insured retention.

35.7 The requirement contained herein as to types and limits of insurance coverage to be maintained by the Contractor are not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by the Contractor.

35.8 Hold Harmless Provisions: The Contractor shall at all times indemnify and save harmless the State of Connecticut, the Department of Public Works, and their respective officers, agents, and employees, on account of any and all claims, damages, losses, litigation, expenses, counsel fees and compensation arising out of injuries (including death) sustained by or alleged to have been sustained by the officers, agents, and employees of said State or Department, or of the Contractor, his Subcontractor, or materialmen and from injuries (including death) sustained by or alleged to have been sustained by the public, any or all persons on or near the Work, or by any other person or property, real or personal (including property of said State or Department) caused in whole or in part by the acts, omissions, or neglect or the Contractor including but not limited to any neglect in safeguarding the Work or through the use of unacceptable materials in constructing the Work of the Contractor, any Subcontractor, materialman, or anyone directly employed by them or any of them while engaged in the performance of the Contract, including the entire elapsed time from the date of the Notice to Proceed or the actual commencement of the Work whichever occurs first until its completion as certified by the Department of Public Works.

Article 36
FOREIGN MATERIALS

36.1 Preference shall be given to articles or materials manufactured or produced in the United States, conditions of quality and price with duty being equal.

36.2 Only domestic articles or materials will be used unless a statement is submitted with the proposal that enumerates the foreign articles of materials proposed to be used and such proposal is accepted by the Owner. The foregoing provisions shall not apply to foreign articles or materials required by the Contract Documents.

Article 37
HOURS OF WORK

37.1 No person shall be employed to work or be permitted to work more than eight (8) hours in any day or more than forty (40) hours in any week for any Work provided in the Contract, in accordance with Connecticut General Statute Section 31-57.

37.2 The operation of such limitation of hours of work may be suspended during an emergency, upon the approval of the Commissioner, in accordance with Connecticut General Statute Section 31-57.

Article 38
DAYS OF WORK

38.1 Working Calendar Days include all days that the Contractor is permitted to execute the Work or employ any person to execute the Work within the Contract Time.

38.2 Non-working Calendar Days include all Saturdays, Sundays, Legal State Holidays and any other days identified in the Contract Documents that the Contractor is not permitted to execute the Work or employ any person to execute the Work. The restriction of non-working Calendar Days may be suspended upon the approval or direction of the Commissioner.

Article 39
CONTRACT TIME

39.1 The Contract Time is the number of calendar days, allotted in the Bidding Documents, for execution and Substantial Completion of the Work, including authorized adjustments thereto. The Contract Time is the sum of all working and non-working calendar days.

39.2 If weather conditions prevent the Contractor from executing the Work., the Contract Time may be extended by Change Order, for such reasonable time as may be determined by the Owner.

Article 40
CALENDAR DAY

40.1 This is each day of the calendar.

End of Section

SUPPLEMENTAL CONDITIONS

ARTICLE - 1. - SCOPE OF WORK:

- (a) The Contractor shall furnish all labor, materials, equipment, plant, power, water, light, heat, fuel, tools, appliances, supplies and all other means of construction necessary or proper for executing and completing the project; he shall do all work including extra and additional work and pay all costs connected therewith; restore to their original conditions all surfaces disturbed; pay cost of all insurance; bear all losses due to the nature of the work and costs incidental to suspension or discontinuance of the work except as otherwise provided; assume all responsibility of whatever nature of kind, indemnify the Owner from all claims; secure and pay for all permits unless otherwise provided; conform to all county, state, municipal or federal legislation and requirements; he shall do all work necessary to conform the project to the Contract Documents and shall leave intact the work of any adjoining contractors unless otherwise ordered by the Owner; perform and complete the work in a manner best calculated to permit rapid construction, consistent with safety of a life and property and satisfactory to the Owner and in strict accordance with the Contract Documents; he shall protect the work during construction, clean up the work during and after construction and maintain it until final acceptance, as hereinafter provided.
- (b) The Contractor shall do all work and pay all costs of protecting, supporting, maintaining, repairing if damaged, relocating and restoring all surface, subsurface or overhead structures and all other property including pipes, conduits, ducts, tubes, chambers and appurtenances, public or private, in the vicinity of the work, except as otherwise specified.

ARTICLE - 2. SUPERINTENDENCE AND WORKERS:

- (a) The employment of competent superintendent, foremen and experienced mechanics and laborers and others skilled in the particular duties entrusted to them will be required. Whenever the Owner shall inform the Contractor or his representative in charge that any man on the job is incompetent or disorderly or is working contrary to the specifications or the instructions of the Owner, or that the Owner knows that he/she has been incompetent or disorderly on this or any previous work, that person shall thereupon be immediately dismissed from the job and shall not be given employment on any work connected with the contract.
- (b) If requested, the Contractor shall deliver to the Owner each week a record of the numbers and classifications of workers employed upon the project each day of the previous week.

ARTICLE 3. INSPECTION:

Authorized representatives and agents of the Owner, shall be permitted to inspect all work, materials, payrolls, records of personnel, invoices of materials, and other relevant data and records.

ARTICLE 4. REPORTS, RECORDS AND DATA:

The Contractor and each of his subcontractors shall submit to the Owner such schedules of quantities and costs, progress schedules, payrolls, reports, estimates, records and other data as the Owner may request concerning work performed or to be performed under this Contract.

ARTICLE 5. WEATHER CONDITIONS:

In the event of temporary suspension of work, or during inclement weather, or whenever the Owner shall direct, the Contractor shall, and shall cause his subcontractors to protect carefully his and their work and materials against damage or injury from the weather. If, in the opinion of the Owner, any work or material was damaged or injured by reason of failure on the part of the Contractor or any of his subcontractors so to protect his work, or otherwise damaged by the negligence of the Contractor, subcontractors or their agents or servants, or is otherwise defective, such materials shall be removed and replaced at the expense of the Contractor.

ARTICLE 6. ENUMERATION OF DRAWINGS, SPECIFICATIONS AND ADDENDA:

Following are the drawings, specifications and addenda which form a part of this contract, as set forth in Article I of the Contract and General Conditions, "CONTRACT AND CONTRACT DOCUMENTS":

(a) Drawings: 1-9

(b) Specifications:

General Conditions - Pages GC-1 through GC-21, Supplemental Conditions - Pages SC-1 through SC-6, Technical Specifications – Divisions 2 and 3

SC - 2

(c) Addenda:

No.	Date	No.	Date
No.	Date	No.	Date

ARTICLE 7. PROTECTION OF LIVES AND HEALTH:

- (a) In order to protect the lives and health of his employees under the contract, the Contractor shall comply with all safety provisions of applicable laws, building and construction codes and all pertinent provisions of the "Manual of Accident Prevention in Construction" issued by the Associated General Contractors of America, Incorporated, and shall maintain an accurate record of all cases of death, occupational disease, and injury requiring medical attention or causing loss of time from work, arising out of and in the course of employment on work under this contract.
- (b) The Contractor alone shall be responsible for the safety, efficiency and adequacy of his plant, appliances and methods, and for any damage, which may result from their failure or their improper construction, maintenance or operation.
- (c) The Contractor shall be solely responsible for the acts and omissions of his agents, employees and his subcontractor and their agents and employees and shall hold the Owner harmless and defend the Owner against damages or claims for damages arising out of injuries to other or property of others which result from said acts or omissions.

ARTICLE 8. WORK TO BE ACCOMPLISHED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATION

The work, during its progress and at its completion, shall conform to the lines and grades shown on the drawings and to the directions given by the Owner from time to time, subject to such modifications or additions as he shall determine to be necessary during the execution of the work; and in no case will any work be paid for which is performed in excess of such requirements.

ARTICLE 9. CONTRACTOR TO CHECK DIMENSIONS AND SCHEDULES:

The Contractor will be required to check all dimensions and quantities shown on the drawings or schedules given to him by the Owner, and shall notify the Owner of all errors therein which he may discover by examining and checking the same.

The Contractor shall not take advantage of any error or omission in these specifications, drawings and schedules. The Owner will furnish all instructions should such error or omission be discovered, and the Contractor shall carry out such instructions as if originally specified.

ARTICLE 10. SEQUENCE OF WORK:

The Contractor shall be required to prosecute his work in accordance with a schedule prepared by him in advance in accordance with additional requirements specified herein and approved by the Owner. This schedule shall state the methods and shall forecast the times for doing each portion of the work. Before beginning any portion of the work, the Contractor shall give the Owner advance notice and ample time for making the necessary preparations.

ARTICLE 12. STREETS AND SIDEWALKS TO BE KEPT OPEN:

- (a) The Contractor shall at all times keep the streets and sidewalks open for pedestrian and vehicular traffic. If, in the opinion of the Owner, the interest of abutters and public requires it, the Contractor shall bridge or construct plank crossings over the trenches at street crossings, roads or private ways. The Contractor shall conduct his work for this objective in such manner as the Owner may direct from time to time. No sidewalk shall be obstructed where it is possible to avoid it. No additional payment shall be made to the Contractor for such work.
- (b) The Contractor shall provide all necessary Fire Crossings at principal intersection or ways usually traveled by fire apparatus with provisions for the apparatus to have access to all areas which require fire protection.
- (c) All work shall be conducted in such a manner as to provide minimum interference with facility and its daily operation.

ARTICLE 13. LIGHTS, BARRIERS, FENCES, WATCHMEN AND INDEMNITY:

- (a) The Contractor shall put up and maintain such barriers, fences, lighting and warning lights, danger-warning signals and signs necessary to prevent accidents during the construction work and protect the work and insure the safety of personnel and the public at all times and places; and the Contractor shall defend, indemnify and save harmless the Owner and their agents in every respect from any injury or damage whatsoever caused by any act, omission or neglect of the Contractor or his Subcontractor, or their servants or agents, including any claims arising out of failure to erect and maintain sufficient railing or fence as required by Section 13a11, Connecticut General Statutes.

DIVISION 0

Bidding Requirements, Contract Forms, and Conditions of the Contract

Section 00750 – Supplemental Conditions

Page 5 of 5

The fact that the Owner may retain control of the premises, or that it or its agents may take action to erect or maintain railings or fences shall not relieve the Contractor's obligations hereunder.

- (b) The Contractor at his own expense shall furnish, maintain and use, and cause all his Subcontractors to furnish, maintain and use all necessary safety devices and safe practices in prosecution of the work and to adopt, follow and maintain such additional safety measures as in the opinion of the Owner are conducive to safe operation by the Contractor and the Subcontractors. The Owner shall have the right to order any or all work suspended where, in the Owner's opinion, such work is not being carried on in a safe and proper manner, or where persons and property are not being properly protected or safeguarded and such work shall not be resumed until the Owner's requirements have been met and the Owner has directed that work be resumed. The work required by the preceding paragraph shall be totally at the Contractor's expense.
- (c) In addition to the above, when and as necessary, or when required by the Owner, the Contractor shall post signs and employ watchmen or flagmen for the direction of traffic at the site and for excluding at all times unauthorized persons from the project. The Contractor will not be paid additional compensation for this work.
- (d) The Contractor shall be responsible for excluding at all times from lands within project limits, all persons not directly connected with the work or authorized by the Owner to be within the project areas.

ARTICLE 14. FACILITIES:

The Contractor is responsible for providing and maintaining all necessary facilities whether temporary or permanent for all those employed by the Contractor. The locations of such temporary facilities must be approved by the Owner. Under no circumstances will the Contractor nor any of his Subcontractors or Venders be allowed to use any of the Owners facilities.

ARTICLE 15. UTILITIES:

The provision and costs for all electrical, water, telephone, etc. utilized by the Contractor and his Subcontractors and venders shall be by the Contractor. Under no circumstances shall the Contractor use any of the Facilities utilities or resources without approval of the Owner.

Special Conditions

Outside Contractors Working with in the Facility

POLICY:

Any employee who plans to work on grounds must be cleared first by the Department of Children and Families. Social Security numbers are required for this link check. Please provide this information sufficiently in advance of construction. Any change in personnel during the project will require the same clearance. Any individual not clear to be on site will be escorted from the site.

All outside contractors will coordinate all work with the Maintenance Department or designee before beginning work.

PROTOCOL:

- Before beginning work, all outside contractors shall check in at the Maintenance Shop or designated location. The outside contractor will supply the following information: scope of work, authorization, duration and any pertinent information that is required. He will also sign in and be issued a pass badge that must be worn if working in student areas.
- **All** contractors shall work as professionally as possible so as not to aggravate students, staff and visitors.
- **All** contractors shall follow the Facility no smoking policy.
- If special parking is required, permission shall be granted and coordinated through the Facility's maintenance department.
- **All** contractors are to maintain their work area as clean as possible while working and clean up thoroughly when finished.
- If any utilities or critical systems are to be interrupted, notification to the Maintenance dept. is mandatory. Maintenance Department personnel will in turn assist.
- **All** contractors are expected to use courtesy. Loud and abusive language will not be tolerated.
- Contractors must provide emergency vehicle access when necessary.

Upon completion of daily activities contractors are asked to check out and report progress to the Maintenance Department.

When working on the grounds, it is important to remember that Solnit South is a State of Connecticut Facility.

- Contact between students and workers is to be avoided whenever possible. It is difficult to predict the reactions of our students to novel situations or unknown persons. A worker and student should never be alone without staff.
- All workers must assure that tools and supplies are maintained in a secure manner. Tools should not be left unattended.

Please do not report to student areas.

- MSDS sheets must be provided for any materials used on grounds before materials are brought on grounds.
- Contractors must show proof of proper licenses before the start of work.

SUBJECT: Outside Contractors - Hazard Communications Program

POLICY:

It is the responsibility **of the Maintenance Department** to provide on-site contractors with the following information when necessary:

- Hazardous chemicals to which they may be exposed while on the job site.
Precautions the contractor and his/her employees may take to lessen the possibility of exposure to lead or asbestos by usage of appropriate protective measures.
- It is the responsibility of the **Maintenance Department** to contact each contractor before work is started to gather and disseminate information concerning hazards that the contractor will bring into the workplace. MSDS sheets will be

given to the **Maintenance Department before materials are received on site.**

Compliance with the OSHA Hazard Communications Standard is certified by:

Maintenance Dept Signature

Date

Contractors Signature

Date



State of Connecticut

Department of Children and Families
505 Hudson Street, Hartford, Connecticut 06106

CERTIFICATE OF COMPLETION

Project No.: 77-RVCH-224

Type of Project (emergency, bid, T&M): Bid

Final Contract Value:

Specific Location:

As the duly authorized representative of the State of Connecticut, owner of the project above referenced, I hereby certify that work has been entirely completed for this project on contracts as follows:

Contractor	Description/Location of Work
-------------------	-------------------------------------

in accordance with all approved plans, specifications and contract documents, and these contracts are accepted as of _____.

Date: _____

DCF Engineering

By: _____
R. Grossman

To:	Melody A. Currey, Commissioner CT Department of Administrative Services	Date:	
Owner:	CT Department of Administrative Services - Division of Construction Services (DCS)	DCS Project No.:	
Address:	165 Capitol Avenue, Room 491 Hartford, CT 06106	Project Name and Location:	

(See Form 3150) Part 1 – Preconstruction Phase Prior To Bid Phase And/Or Building Permit Application:
 THIS IS TO CERTIFY THAT to the best of my knowledge, information, and belief, the Project, as described above, has been designed in substantial compliance with requirements of the Connecticut State Building Code and all other applicable codes as required by Chapter 541, of. Connecticut General Statutes.

Commissioner:			
or	_____	_____	_____
	<i>(Typed Name)</i>	<i>(Signature)</i>	<i>(Date)</i>
Authorized Representative:	_____	_____	_____
	<i>(Typed Name)</i>	<i>(Signature)</i>	<i>(Date)</i>
Consultant:	_____	_____	_____
	<i>(Typed Name)</i>	<i>(Signature)</i>	<i>(Date)</i>
Registration No.	_____		

Part 2 - Completed Construction Prior To Agency Occupancy And/Or Application For Certificate Of Occupancy:
 THIS IS TO CERTIFY THAT to the best of my knowledge, information, and belief: 1.) the Completed Project, described above, or 2.) the Designated Portion of the Work thereof, described below, is in substantial compliance with the approved plans and specifications and the requirements of the Connecticut State Building Code and all other applicable codes as required by Chapter 541, Connecticut General Statutes.

Description of Work or Designated Portion of the Work:

Consultant:	_____	_____	_____
	<i>(Typed Name)</i>	<i>(Signature)</i>	<i>(Date)</i>
Registration Number:	_____		
General Contractor or CMR or D-B:	_____	_____	_____
	<i>(Typed Name)</i>	<i>(Signature)</i>	<i>(Date)</i>

Commissioner:			
OR	_____	_____	_____
	<i>(Typed Name)</i>	<i>(Signature)</i>	<i>(Date)</i>
Authorized Representative:	_____	_____	_____
	<i>(Typed Name)</i>	<i>(Signature)</i>	<i>(Date)</i>

Copies : Agency GC or CMR or DB Consultant CA DCS OSBI File

Section 02070

Selective Demolition

Part 1 – General

1.01 Scope of Work

Demo all interior walls, ceilings, floors, doors, trim, etc. as identified on the plans and demolition schedule. Items identified to be salvage shall be protected from damage and removed in a manner to preserve the item for reuse in the future.

1.02 References

As specified in Contract Documents and in compliance with the following standards and in accordance with the Occupational Health and Safety Act 1985 Code of Practice No14 for DEMOLITION.

AS 2601 Demolition of Structures

AS 2436 Guide to noise Control on Construction, Maintenance and Demolition sites

AS 3012 Electrical Installations - Construction and Demolition sites

1.03 Demolition and Removal

Demolition and removal shall be undertaken at pre-arranged times in a careful, safe and proper manner with a minimum of disturbance and interference to the occupants and functions of the Proprietor.

Any works that impact on building occupiers that involves noise, creation of dust odor, disruption of services is to be done out of normal hours and the contractor is to allow all costs associated with this clause.

The Contractor shall accept full responsibility for any claims arising from failure to comply with this clause.

Demolition to include floor surfaces down to sub flooring except where hardwood floors exists. Hardwood floors shall be protected from damage during demolition. All damages resulting from demolition caused by the Contractors to the existing hardwood floors shall be repaired at the Contractors expense.

1.04 Submittals

The Contractor shall submit to the Agency a demolition schedule and plan showing dumpster locations, means and methods of debris egress, i.e. chutes, etc. Submittal shall also include location of dust and construction barriers and materials for such barriers. No work shall commence until the owner has approved the submittal.

Part 2 – Products

2.01 Materials

None

Part 3 - Execution

3.01 The Contractor shall be responsible for providing adequate

Protection of Property

Adequate and proper protection shall be provided to the existing buildings and to protect persons and existing fixtures, features and materials not scheduled for demolition from damage.

The Contractor shall be responsible for providing adequate protection to existing fixtures, fittings, equipment, etc.

Care shall be taken not to damage existing services, including pipes, wiring, etc.

3.02 Making Good

The Contractor shall make good damage caused to public or private property in all trades to the Project Representatives approval at no cost to the Owner.

All junctions of new and existing work shall be structurally sound, neat and inconspicuous, all to the Project Representatives approval.

3.03 Noise and Dust

The Contractor shall keep noise and dust to a minimum, and shall properly control the same to prevent inconvenience and hardship to remaining building occupants. Noise reduction screen and dustsheets shall be provided by the Contractor to the Project Representatives approval.

Allow for thorough cleaning throughout the works as directed and at completion.

3.04 Useable and Unusable Materials

Remove unusable materials and rubbish from site as soon as possible and do not allow to accumulate on site.

Useable materials, such as metal ceilings, water closet fixtures, historical gas fixtures, historical lighting fixtures, mantelpieces, doors, trim, etc. And any other item later specified shall remain the property of the Owner, shall be protected from damage and shall be delivered by the Contractor to the Owner's Maintenance Department and an itemized receipt obtained from the Project Representative. These useable materials shall be delivered to the Owner in a protected and catalogued method.

3.05 Objects of Value

Any antiques, coins, memorial stones, caskets and objects of value or historical interest and including nominated fittings or equipment other than building debris, shall remain the property of the Owner and be handed over to the Project Representative.

3.06 Support

It is the Owners belief the structure should be sound for the described demolition project, however the age of portions of the structure and the condition of masonry materials utilized in certain areas is unknown.

The Contractor shall be responsible for the support of the structure during demolition and shall provide all temporary shores, scaffolding, etc. which are necessary to prevent collapse, subsidence, deflection, or any other type of damage. The Contractor shall immediately notify the Project representative of all areas requiring temporary supports.

3.07 Wrecking and Dismantling

Wrecking and dismantling shall be carried out in accordance with all governing ordinances and shall comply with the regulations and requirements of all governing authorities.

3.08 Asbestos

All asbestos has been removed from within the Contract Limits.

3.09 Security Lights

The Contractor is to provide adequate Security Lighting between sunrise and sunset and where deemed necessary to illuminate hazards and or temporary screens.

3.10 Retained Flora

All flora surrounding the structure shall be protected from damage. Storage of fuel, oil, paint, and demolition materials is prohibited under trees. Where any tree or shrub suffers damage the contractor is to engage an approved tree surgeon at his/ her expense to undertake repair work. If the tree or shrub cannot be satisfactorily repaired and or requires removal and replacement, a replacement shall be provided at the contractor s expense. Topsoil from within the drip line of trees shall not be disturbed unless specifically permitted by the Project Representative.

END OF SECTION

SECTION 09260
GYPSUM BOARD ASSEMBLIES

PART 1 - GENERAL

1.01 SUMMARY

A. Work Included: The Work of this Section includes, but is not limited to, the following:

1. Steel framing members to receive gypsum board.
2. Gypsum board wall applications screw-attached to steel framing and furring systems.
3. Drywall finishing with joint tape-and-compound.
4. Acoustical insulation and sealant for gypsum board products.
5. Metal reveals and trims.

1.02 SYSTEM DESCRIPTION

A. Performance Requirements, General: Provide gypsum board wall systems complying with performance requirements specified, as demonstrated by pre-testing manufacturer's corresponding stock systems.

B. Structural Requirements: Provide gypsum board shaft-wall assemblies capable of withstanding following lateral design loadings (air pressures) for maximum heights of partitions without failing. Evidence of failure includes deflections exceeding limits indicated, bending stresses causing studs to break or to distort, and end-reaction shear causing track (runners) to bend or to shear and studs to become crippled. Comply with requirements of the State of Connecticut Building Code and with SA923 of United States Gypsum Company for loading performance criteria.

1. Lateral Loading: 7.5 psf, unless otherwise indicated.
2. Deflection Limits: 1/240 of partition height.

C. Fire-Resistance Ratings: Where indicated, provide materials and construction which are identical to those of assemblies, including those incorporating elevator door and other framing, whose fire resistance has been determined per ASTM E 119 by a testing and inspecting organization acceptable to authorities having jurisdiction.

1. Provide fire-resistance rated assemblies identical to those indicated by reference to GA File No.'s in GA 600 "Fire Resistance Design Manual" or to design designations in UL "Fire Resistance Directory" or in listings of other testing and inspecting agencies acceptable to authorities having jurisdiction.

D. Sound Attenuation Performance: Provide gypsum board wall systems designed and pre-tested to achieve the following minimum ratings for sound transmission class (STC) per ASTM E 90.

1. STC Rating: 50, unless otherwise indicated.

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's specifications and installation instructions for materials for gypsum drywall and backer board. Submit other data as required to show compliance with these specifications.
- B. Shop Drawings: Show locations, fabrication, and installation of control and expansion joints including plans, elevations, sections, details of components, and attachments to other units of Work.
- C. Samples: Submit 12" long samples of each type of trim accessory.

1.04 QUALITY ASSURANCE

- A. Fire-Resistance Rating: Where ratings are indicated, match applicable assemblies tested per ASTM E 119 by fire testing laboratories, or to design designations in UL "Fire Resistance Directory" or in listing of other testing agencies acceptable to authorities having jurisdiction.
- B. Gypsum Board Terminology Standard: GA-505 by Gypsum Association.
- C. Installer: Firm with not less than 5 years of successful experience in the installation of specified materials.
- D. General: Ceiling installations shall conform to applicable requirements of the State of Connecticut Building Code, including seismic requirements.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in original packaging, bearing brand name and identification of manufacturer or supplier.
- B. Store materials to keep them dry and protected from soiling, dirt or damage. Neatly stack gypsum boards flat to prevent sagging.
- C. Handle gypsum boards to prevent damage to edges, ends or surfaces. Protect trim accessories from being bent or damaged.

1.06 PROJECT CONDITIONS

- A. Environmental Requirements: Comply with referenced standards and recommendations of gypsum board manufacturer, for environmental conditions before, during and after application of gypsum board.

1. Contractor shall not begin drywall work until surrounding building construction is enclosed and weather tight.
- B. Cold Weather Protection: When air is below 55 deg. F maintain temperature of not less than 55 deg. F for at least 48 hours before, during and after application of joint treatment materials.
- C. Ventilation: Ventilate building spaces to dry joint treatment material. Avoid drafts during dry, hot weather.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering gypsum board systems which may be incorporated in the Work include but are not limited to the following:
 1. Steel Framing and Furring:
 - a. Gold Bond Building Products Division.
 - b. Marino Industries Corp.
 - c. U.S. Gypsum Co.
 2. Gypsum Boards Trim and Related Products:
 - a. G-P Gypsum.
 - b. National Gypsum Company.
 - c. USG Corporation.

2.02 WALL AND PARTITION FRAMING

- A. General: Provide wall and partition framing including, but not limited to, tracks, outriggers, bracing, shoes, and other devices as required for a complete assembly.
- B. Partition Framing: ASTM C 645; 22 gage (minimum) thickness of base metal, unless otherwise indicated or required to meet performance criteria specified within this Section.
 1. Depth of Section: Standard sizes as shown.
 2. Runners: Match studs; type recommended by stud manufacturer.
- C. Furring Members: ASTM C 645; 0.0179" minimum thickness (25 gage) of base metal, hat-shaped, or "C"-shaped studs as indicated on drawing.

- D. Z-Furring Members: Standard screw-type galvanized steel, "Z"-shaped furring members complying with ASTM A 525, G60, 0.0179" min. thickness; of depth to suit insulation thickness indicated.
- E. Fasteners for Furring Members: Type and size recommended by furring manufacturer for the substrate and application indicated.
- F. Concealed Steel Reinforcing: Provide galvanized steel strip reinforcing, 16 gauge by 8 inch wide by lengths indicated for reinforcement of surface applied handrails and similar attachments to drywall construction.
- G. Structural Framing Members: ASTM C 955 studs and runners of size, shape and gage as recommended by manufacturer for shaft walls.

2.03 GYPSUM BOARD

- A. Gypsum Wallboard: ASTM C 36, "Type Regular" in standard lengths as required with conventional tapered edges, 5/8" thick unless otherwise indicated.
 - 1. Fire Rated Gypsum Board: ASTM C 36, "Type X" fire-rated, in standard lengths as required with conventional tapered edges, 5/8" thick unless otherwise indicated.
- B. Water-Resistant Backing Board: ASTM C 630, of type indicated, in standard lengths as required with conventional tapered edges, 5/8" thick unless otherwise indicated.
 - 1. Provide "W/R Firecode 'C' Panels" where both water resistant and fire resistant are required.
- C. Cementitious Backer Board: Provide panels which comply with ANSI A118.9; panels composed of concrete core with glass fiber mesh reinforcing on both faces covered with Portland cement; 3.4 lbs. per sq. ft.; 1/2" thickness.
 - 1. Subject to compliance with requirements, provide the following, or approved equal:
 - a. "Durock Cement Board" by United States Gypsum Co.

2.04 TRIM ACCESSORIES

- A. General: Except where shown otherwise, provide manufacturer's standard trim accessories for drywall work, formed of galvanized steel with either knurled and perforated or expanded flanges for nailing or stapling, and beaded for concealment of flanges in joint compound.
- B. Steel Edge Trims: ASTM C 1047; standard trim accessories of types required for drywall work, formed of galvanized steel and beaded for concealment of flanges in joint compound.

1. Provide corner beads at external corners, L-type edge trim-beads, and one-piece control joint beads. Provide U-type edge trim beads where indicated.

2.05 JOINT TREATMENT MATERIALS

- A. General: ASTM C 475; of type recommended by the manufacturer.
- B. Joint Tape: Paper reinforcing tape.
 1. Backer Board: 10 by 10 glass mesh, unless otherwise indicated.
- C. Joint Compound: Ready-mixed vinyl-type for interior use. Provide 2 separate grades; one specifically for bedding tapes and filling depressions, and one for topping and sanding.
 1. Joint Compound, Backer Units: As recommended by board/panel manufacturer.
- D. Water-Resistant Joint Materials: Water-resistant types for use at moisture-resistant gypsum board and ceramic tile backer board, as recommended by manufacturer(s).

2.06 MISCELLANEOUS MATERIALS

- A. General: Provide auxiliary materials for gypsum drywall work of the type and grade recommended by the manufacturer of the gypsum board.
- B. Gypsum Board Screws: Comply with ASTM C 1002, for fastening gypsum board to type of framing or substrate material indicated.
- C. Concealed Acoustical Sealant: Non-drying, non-hardening, non-staining, non-bleeding sealant for concealed applications per ASTM C 919.
- D. Exposed Acoustical Sealant: Non-oxidizing, skinnable, paintable, gunnable sealant for exposed applications per ASTM C 919.
- E. Sound Attenuation Blankets: ASTM C 665, Type I (blankets without membrane facing) produced by combining thermosetting resins with mineral fibers manufactured from glass, slag wool, or rock wool.
- F. Asphalt Felt: ASTM D 226, Type 1 (No. 15).
- G. Laminating Adhesive: Water-resistant adhesive as recommended by gypsum board manufacturer for laminating gypsum boards.
- H. Leveling and Patching Compound: Latex cement as recommended by gypsum board manufacturer.

- I. Water: Clean and free of deleterious material.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates to which drywall construction attaches or abuts, preset hollow metal frames, cast-in-anchors, and structural framing, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of drywall construction. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Ceiling Anchorages: Coordinate work to ensure that inserts and other anchorage provisions have been installed for ceiling hangers.
- B. Where required, attach offset anchor plates to surfaces indicated. Provide continuous units fastened to building structure not more than 24 inches o.c. and to ceiling runners.

3.03 INSTALLATION OF FRAMING, GENERAL

- A. Installation Standard: Comply with ASTM C 754 and ASTM C 840. Provide support for all edges of gypsum board. Use screw fasteners only.
- B. Install supplementary framing and bracing at terminations in the work and other construction.
 - 1. Where wall mounted millwork and other accessories requiring blocking which are attached to drywall, provide a flat continuous galvanized steel strip or solid wood blocking nested in wall framing, behind gypsum board panels.
- C. Isolate steel framing from building structure to prevent transfer of structural loading, at locations indicated below.
 - 1. Where edges of suspended ceilings abut building structure.
 - 2. Where partition and wall framing abuts overhead structure.
- D. Do not bridge building expansion joints with support system; frame both sides of joints with furring and other support.
- E. Framing location tolerance shall not exceed 1/4". Install framing and furring with adjacent fastening surfaces aligned within 1/8 inch of each other.

- F. Construction Tolerances: In addition to the reference standards specified, construct framing and substrates to comply with the following maximum tolerances.
- G. Install structural studs, runners and other framing/supports, to comply with performance requirements and manufacturer's recommendations.

3.04 WALL AND PARTITION FRAMING

- A. Install runner tracks at floors and structural walls and at columns where gypsum drywall stud system abuts other work. At exterior walls, install asphalt felt strips between wall and framing, or leave 1" gap, as indicated on the drawings.
- B. Extend partition stud system through ceilings to the structural support above the ceiling, unless otherwise indicated.
- C. Space studs and wall furring 24" o.c. maximum, unless otherwise indicated or required to meet performance characteristics within this Section.
 - 1. Multilayer construction, backer units, and where indicated; space studs 16" o.c., unless otherwise indicated.
- D. Frame door openings to comply with recommendations of gypsum board manufacturer, or with "Gypsum Construction Handbook" by United States Gypsum Co. Screw studs to jambs of door frames; install runner track at head of frame and secure to jamb studs.
 - 1. Use doubled-up studs at the jambs, extending from floor to slab above. Brace studs where required.
 - 2. Install cripple studs in runner track above door frame.
 - 3. Frame openings, other than door openings, with framing below sills of openings to match framing above door heads.
- E. Frame openings, other than door openings, in same manner as required for door openings; and install framing below sills of openings to match framing above door heads.
- F. Reinforce all studs cut for passage of pipes and conduit.
- G. Install structural studs, runners and other framing/support for cementitious tile backer board to comply with performance requirements and manufacturer's recommendations.
- H. Install insulation between framing or furring members where indicated. Until gypsum board is installed, hold insulation with wire staples.

3.05 GYPSUM BOARD APPLICATION AND FINISHING, GENERAL

- A. Application and Finishing Standards: ASTM C 840.

- B. Install acoustical insulation prior to gypsum board unless readily installed after board has been installed.
- C. Locate exposed end-butt joints away from center of walls, and stagger not less than 1'-0" in alternate courses.
- D. Install wall and partition boards vertically to avoid end-butt joints wherever possible. At high walls, install boards horizontally with end joints staggered over studs.
 - 1. Install moisture-resistant and backer boards for ceramic tile where indicated and as required.
- E. Install gypsum board with face side out. Do not install defective or damp boards. Butt boards lightly together with not more than 1/16" space between boards. Do not force into place.
- F. Locate edges and ends over supports, so that like edges abut, tapered edges against tapered edges and cut ends against cut ends. Stagger joints over different studs on opposite sides of partitions.
- G. Provide framing and blocking for support at openings and cutouts.
- H. Form control joints to receive trim accessories. Locate these joints to comply with manufacturer's instructions.
- I. Cover both faces of partition framing with gypsum board in concealed spaces, except in chase walls which are braced internally.
 - 1. Fit gypsum board around ducts, pipes and conduit.
- J. Isolate perimeter of non-load-bearing partitions from the structure. Provide 1/4" to 1/2" space and trim edge with L-type or LC-type edge trim. Seal joints with acoustical sealant.
- K. "L", "U", or "J" type, Seal construction at perimeters, control joints, openings and penetrations with a continuous bead of acoustical sealant including a bead at both faces of partitions. Comply with ASTM C 919 and manufacturer's recommendations for location of edge trim, and close off sound-flanking paths around or through construction, including sealing of partitions above ceilings.
- L. Space fasteners in gypsum boards in accordance with referenced standards and manufacturer's recommendations.
- M. Grout hollow metal frames. Except where full grouting is required for fire-resistance rating, grout 6" lengths at each anchorage.

- N. Install sound attenuation blankets before installing gypsum panels, unless blankets are readily installed after panels have been installed on one side.

3.06 SINGLE-LAYER APPLICATION

- A. On ceilings apply gypsum board prior to wall and partition board application to the greatest extent possible.
- B. On partitions and walls apply gypsum board vertically, and provide sheet lengths which will minimize end joints.
- C. On furring members apply gypsum board vertically with no end joints. Locate edge joints over furring members.
- D. Install moisture-resistant gypsum board and backer board for ceramic tile where indicated on the drawings. Comply with manufacturer's requirements regarding installation and joint treatment.

3.07 INSTALLATION OF DRYWALL TRIM

- A. General: Where feasible, use the same fasteners to anchor trim as required to fasten gypsum board. Fasten flanges of trim in accordance with manufacturer's instructions. Closely fit and align ends of trim.
- B. Install metal corner beads at external corners of drywall work.
- C. Install edge trim at exposed or semi-exposed edges of drywall. Install "L", "U", or "J" type trim where work abuts other work, and where edge is exposed, revealed, gasketed, or sealant-filled.
- D. Install metal control joints where indicated on the drawings, or if not indicated, at spacings and locations required by the manufacturer and approved by the Architect for visual effect.

3.08 FINISHING OF DRYWALL

- A. General: Treat gypsum board joints, trim accessories, penetrations, fastener heads, surface defects and elsewhere as required for applied finishes. Prefill open joints using proper compound.
- B. Apply joint tape over gypsum board joints, except those with trim having flanges not intended for tape.
- C. Gypsum Board Finish Levels: Finish panels to levels indicated below, according to ASTM C 840, for locations indicated:

1. Level 2: Embed tape and apply separate first coat of joint compound to tape, fasteners, and trim flanges where indicated.
 2. Level 4: Embed tape and apply separate first, fill, and finish coats of joint compound to tape, fasteners, and trim flanges at panel surfaces that will be exposed to view, unless otherwise indicated.
- E. Backer Board for Ceramic Tile: Treat joints and fasteners to comply with directions of gypsum board, backer board, and water-resistant joint compound manufacturers, using water-resistant joint compound(s). Do not crown the joints. Embed tape in joints and form true angles.
- F. Partial Finishing: Omit third coat and sanding on concealed drywall work which requires finishing to achieve fire-resistance rating, sound rating, or to act as an air or smoke barrier.

3.10 PROTECTION OF WORK

- A. Provide final protection and maintain conditions, in a manner suitable to Installer, which ensures gypsum drywall work being without damage or deterioration at time of Substantial Completion.

END OF SECTION

SECTION 09624

SYNTHETIC ATHLETIC FLOORING

PART 1 – GENERAL

1.1 DESCRIPTION

A. Scope

1. Provide fluid applied urethane-flooring system where shown on the drawings, as specified herein, and as needed for a complete and proper installation.

B. Description of flooring system

1. Fluid applied urethane flooring system shall result in a full-depth and seamless flooring system. It shall consist of a two-part self-leveling polyurethane elastomer continuously bonded to the substrate. The system shall be finished with a pigmented polyurethane coating bonding to the elastomer and producing a monolithic wearing surface.

D. Related work

1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions and Supplementary Conditions of these specifications.
2. Concrete sub floors
 - a. The Contractor shall be aware the existing floors are painted and shall be covered with a vapor barrier approved by the product manufacturer.
 - b. The contractor shall inspect and prepare the concrete sub floors to meet the Manufacturer's requirements. High spots shall be ground level, and low spots filled in with approved leveling compound.
3. Thresholds
 1. 1/2" high - 5" wide. Cope at jambs.
 - a. National Guard 513
 - b. Reese 5405A
 2. Furnish full wall opening width when frames are recessed
 3. Cope in front of mullions if thresholds project beyond door faces.

1.2 QUALITY ASSURANCE

- A. The Manufacturer of resilient flooring shall be a firm specializing in manufacturing products specified in this section and shall have a minimum of five (5) years experience in the application of poured-in-place urethane surfacing for athletic floors.
- B. Installer
 - 2. Installer to be certified by the flooring manufacturer and shall have completed at least five (5) projects of similar size and complexity. Submit certification indicating installer is approved to install proposed sport flooring system.
 - 3. The complete installation of the flooring system as described in the scope of these specifications, shall be carried out by an experienced installer and the work shall be performed in accordance with most recent installation instructions of the manufacturer.
 - 4. Submit three (3) copies of the Manufacturer's recommendations for preparing and testing the concrete sub floor surface to receive the polyurethane floor system.
 - 3. Installer shall be liable for all matters related to installation for a period of one year after the floor has been installed and completed.

1.3 SUBMITTALS

- A. Submit synthetic gym flooring specification sheets.
- B. Submit one sample of specified system indicating standard available colors.
- C. Submit striping and color layout drawing.
- D. Upon completion of floor installation, provide the Owner with two (2) synthetic flooring care and maintenance manuals.

1.4 DELIVERY AND STORAGE

- A. The contractor shall provide an area where the stored materials can be maintained at a minimum of 55 degrees. Ideal storage conditions are the same as which will prevail when building is occupied.
- B. Material shall not be delivered until all related work in place is finished and/or proper storage facilities can be guaranteed.
- C. Store material in a secure, clean and dry location.

1.5 WORKING CONDITIONS

- A. Synthetic materials specified herein shall not be installed until the concrete sub floor has been approved and accepted by the flooring Manufacturer.
- B. Any additional heat, light and ventilation necessary for the installation shall be provided by the Contractor at no additional charge to the owner. Sub floors shall be clean, dry and free from dirt, dust, oil, grease, paint, alkali, concrete curing agents, hardening and parting compounds, old adhesive residue or other foreign materials.
- C. The installation areas shall be closed to all traffic and activity for a period to be set by the flooring contractor.
- D. Moisture content of the concrete slab must not exceed 3 lbs per 1,000 square feet in 24 hours when using the Calcium Chloride Test.
- E. Environmental Limitations.
 - 1. Comply with requirements of athletic flooring material supplier's requirements.
 - 2. Adhere to all MSDS requirements for materials employed in the work. Protect all persons from exposure to hazardous materials.
- F. After synthetic floors are installed and the game lines painted, area will be kept locked by the Owner to allow curing time for system.

1.6 Warranty

- A. The manufacturer shall warrant that the materials it has supplied will be free from manufacturing defects for a period of one and half years.

PART 2-PRODUCTS

2.1 MANUFACTURES

- A. Provide a polyurethane gym flooring system as manufactured by Robbins (Pulastic-2000), Connor (SportGym), Beynon Sport Surfaces (Poly Turf), or equal.

2.2 MATERIALS

- A. Connor SportGym - Prefabricated sport surface 6.0 MM (1/4") with embossed surface as supplied by Connor Sports Flooring. Sport flooring to a heterogeneous, multi-layer, undelaminable vinyl floor covering. Top wear layer shall be a high concentrated PVC (polyvinyl chloride) finished with a clear PVC finish and top coated with a clear polyurethane finish. Backing shall be a high density, expanded, closed-cell PVC, reinforced with glass fiber. Flooring to be treated with a special, long lasting anti-bacterial treatment (SANALIM).

1. Color – SportGym is available in 4 standard colors (green, red, blue and orange).
 2. Roll Widths – 1.5 MM (4’-11”)
 3. Roll Lengths – as specified (consideration should be given to length as to the final size and weight of roll for handling and shipping).
 4. Physical Properties
 - a. Hardness – UNI 5574 (Shore A)..... 76
 - b. Weight..... .80#/SF
 - c. Abrasion resistance – ASTM D-1044
Load H22 – 500 gr
Mg/100 cycles
 - d. Dimensional stability – UNI 5574
transversal variation..... 0.3%
longitudinal variation..... 0.3%
 - e. Residual imprint – UNI 5574..... 0.3 MM
 - f. Light resistance – UNI 7097..... >6
 - g. Technical characteristics
NF P 90 203..... conform
DIN 18032/2..... in certification
 - h. Fire resistance
CSE RF 2/75/A..... Class 1
CSE RF 3/77..... Class 1
- B. Adhesive – two-component polyurethane suitable for adherence of a sheet good to concrete substrate as supplied by Connor Sports Flooring.
- C. Game Line and Logo Paint – two-component polyurethane as supplied by Connor Sports Flooring. Select from standard colors (white, black, red, yellow, green, blue).

PART 3-EXECUTION

3.1 INSPECTION

- A. Inspect concrete slab for proper tolerance and dryness. Test moisture content of flooring by means of a Calcium Chloride Test. A minimum number of three (3) tests shall be performed. Report any discrepancies to the Owner.
- B. The concrete slab shall be cleaned by the Contractor to the extent as required by the Manufacturer in order receive the application of the product.
- C. Verify with the Owner and by visual inspection that no curing compounds and/or sealers have been applied to the concrete without prior approval of the sport flooring manufacturer/supplier.
- D. The installer shall document all working conditions provided in General Specifications prior to commencement of installation.

3.2 INSTALLATION

- A. Unroll SportGym flooring and allow to relax.
- B. Thoroughly mix two-component polyurethane adhesive and apply directly to concrete sub floor with a notched trowel per manufacturer's instructions.
- C. Apply flooring product into freshly applied adhesive.
- D. Roll sport surface with a medium-size roller to remove entrapped air and repeat the rolling process on the surface 45 minutes after installation. Clean any adhesive that oozes between seams with recommended solvent.
- E. Join side and end seams by cold chemical welding or hot welding. In case of hot welding use PVC edging as supplied by sport flooring manufacturer/supplier.
- F. Game Lines and Logo
 - 1. Use only high quality masking tape approved by manufacturer.
 - 2. Thoroughly mix two-component game line paint.
 - 3. Provide game lines as indicated on drawings.
- G. Remove all excess and waste materials from the area of work. Dispose of empty containers in accordance with federal and local statutes.

END OF SECTION

**SECTION 09900
PAINTING**

PART 1 - GENERAL

1.01 SUMMARY

- A. Work Included: The Work of this Section includes, but is not limited to, the following:
 - 1. Painting of interior and exterior surfaces as indicated and where required.
- B. Work Not Included:
 - 1. Pre-Finished Items: Do not include painting when shop or factory finishing is specified for such items as elevator, and mechanical and electrical equipment.
 - 2. Concealed Surfaces: Painting is not required on surfaces in concealed and generally inaccessible areas such as pipe spaces, duct shafts and elevator shafts.
 - 3. Operating Parts: Moving parts of mechanical and electrical devices, motor and fan shafts will not require painting.
- C. Labels: Do not paint over any code-required labels, such as Underwriters' Laboratories and Factory Mutual, or any equipment identification, performance rating, name, or nomenclature plates.

1.02 SUBMITTALS

- A. Product Data: Submit manufacturer's technical information including paint label analysis and application instructions for each material proposed.
 - 1. Material List: Provide an inclusive list of required coating materials. Indicate each material and cross-reference specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
 - 2. Certification by the manufacturer that products supplied comply with local regulations controlling use of volatile organic compounds (VOCs).
- B. Samples: Prior to painting, submit samples for Architect's review of each required color and texture. Identify materials used on samples. Samples shall have each coat of paint exposed the same amount and tinted slightly different than other coats.
 - 1. On 12" by 12" hardboard, submit three samples of each color, material and texture, until sheen, color, and texture are acceptable.
 - 2. Field Samples: On wall surfaces and other component surfaces, duplicate finishes of prepared samples. Provide full-coat finish samples on at least 100 sq. ft. of surface until required sheen, color and texture are obtained; simulate finished lighting conditions for review of in-place work.
 - a. Modify each color of the field samples, a maximum of one (1) time and install a new field sample panel when directed by the Architect.

1.03 QUALITY ASSURANCE

- A. Single Source Responsibility: Provide primers, fillers and undercoats produced by same

manufacturer as finish coats. Use only thinners approved by paint manufacturer, and use only within recommended limits.

- B. Coordination of Work: Review other sections of these specifications for shop primers, to ensure compatibility of total coatings system. Upon request from other trades, furnish information on finish materials, to ensure that compatible prime coats are used.
- C. Applicator Qualifications: Engage an experienced applicator who has completed painting/coating system applications similar in materials and scope to that indicated for this Project with a record of successful in-service performance.
 - 1. In addition, the applicator shall have not less than 5 consecutive years of professional paint experience; and be acceptable to the paint manufacturer for the application of the specified systems.

1.04 DELIVERY AND STORAGE

- A. Deliver materials in original, new and unopened packages and containers bearing manufacturer's name and label, and following information:
 - 1. Name or title of material.
 - 2. Fed. Spec. number, if applicable.
 - 3. Manufacturer's name, stock number and date of manufacture.
 - 4. Contents by volume, for major pigment and vehicle constituents.
 - 5. Thinning and application instructions.
 - 6. Color name and number.
- B. Store materials not in actual use in tightly covered containers. Maintain containers used in storage of paint in a clean condition, free of foreign materials and residue.
 - 1. Protect materials from freezing where necessary. Keep storage area neat and orderly. Remove oily rags and waste daily. Ensure that workmen and work areas are adequately protected from fire hazards and health hazards resulting from use of paints.

1.05 PROJECT CONDITIONS

- A. Apply water-base paints only when temperature of surfaces to be painted and surrounding air temperatures are between 50 deg. F and 90 deg. F, unless otherwise permitted by paint manufacturer's instructions.
- B. Apply solvent-thinned paints only when temperature of surfaces to be painted and surrounding air temperatures are between 45 deg. F and 95 deg. F, unless otherwise permitted by paint manufacturer's instructions.
- C. Do not apply paint when relative humidity exceeds 85%; or to damp or wet surfaces; unless otherwise permitted by paint manufacturer.
- D. Cover other work which might be damaged by surface preparation. Provide temporary enclosures as required to confine surface preparation, to protect the environment, persons and property.

1.06 EXTRA MATERIALS

- A. Deliver stock of maintenance materials from the same manufacturers lot and production run as

materials installed. Extra materials shall be enclosed in labeled, unopened cans in cartons for storage and identified with labels clearly describing the contents. Boxes shall be marked with the same finish color designation as in the submitted and accepted color schedule.

1. Provide quantity of paint equal to 10% of the amount installed for all paint material.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, provide paint products as manufactured by one of the following, or equal acceptable to the Architect:
 1. PPG Architectural Finishes.
 2. Benjamin Moore and Company
 3. Sherman Williams.
 4. Tnemec Company, Inc.

2.02 MATERIALS

- A. Material Quality: Provide best quality grade of various types of coatings as regularly manufactured by acceptable paint materials manufacturers. Materials not displaying manufacturer's identification as a standard, best-grade product will not be acceptable.
- B. Volatile Organic Materials: Provide paint and coating products to comply with applicable environmental regulations and local authorities. Federal numbers, where specified or referred to, are for guidelines only.
- C. Primers and Undercoaters: Provide primers and undercoaters recommended by the finish coating manufacturer for suitability with the substrate and compatibility with finish coats.
- D. Color Pigments: Pure, non-fading, to suit substrates and service.
 1. Lead content in pigment, if any, is limited to contain not more than 0.5% lead, as lead metal based on the total non-volatile (dry-film) of paint by weight.

PART 3 - EXECUTION

3.01 INSPECTION

- A. Examine areas and conditions of work and notify Contractor in writing of conditions detrimental to proper painting. Proceed with work after unsatisfactory conditions have been corrected.
- B. Starting of painting work will be construed as Applicator's acceptance of surfaces and conditions within any particular area.
- C. Do not paint over dirt, rust, scale, grease, moisture, or conditions detrimental to formation of a durable paint film.
- D. Coordination of Work: Review other Sections in which primers and shop applied coatings are provided to ensure compatibility of the total system for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible paint coatings.
 1. Notify the Architect about anticipated problems using the materials specified over indicated substrates, primers and other shop applied coatings.

3.02 SURFACE PREPARATION

- A. General: Perform preparation and cleaning in accordance with paint manufacturer's instructions and as herein specified.
1. Provide barrier coats over incompatible primers or remove and reprime as required. Notify Architect in writing of any anticipated problems with substrates primed by others.
 2. Remove hardware, accessories, lighting fixtures, and similar items not to be field-painted, or provide suitable protection. Remove items if necessary, for painting of items or adjacent surfaces. Reinstall removed items on completion of painting.
 3. Clean surfaces to be painted. Remove oil and grease prior to other cleaning. Be sure that cleaning materials do not fall onto newly-painted surfaces.
- B. Preparation: Clean and prepare surfaces to be painted in accordance with the manufacturer's instructions for each particular substrate condition and as specified.
1. Ferrous Metals: Clean non-galvanized ferrous-metal surfaces that have not been shop coated; remove oil, grease, dirt, loose mill scale, and other foreign substances. Use solvent or mechanical cleaning methods that comply with recommendations of the Steel Structures Painting Council.
 - a. Blast steel surfaces clean as recommended by the paint system manufacturer and in accordance with requirements of SSPC specification SSPC-SP 10 for interior surfaces and SSPC-SP 6 for exterior surfaces.
 - b. Treat bare and sandblasted or pickled clean metal with a metal treatment wash coat before priming.
 - c. Touch up bare areas and shop-applied prime coats that have been damaged. Wire-brush, clean with solvents recommended by paint manufacturer, and touch up with same primer as the shop coat.
 2. Galvanized Surfaces: Clean galvanized surfaces that have not been shop primed and/or intermediate coated with nonpetroleum-based solvents so surface is free of oil and surface contaminants. Remove pretreatment from galvanized sheet metal fabricated from coil stock by mechanical methods.
 - a. Touch-up bare and damaged areas of the shop-applied prime coat that have been damaged; wire brush, mechanically clean and/or solvent clean such areas in compliance with the manufacturers recommendations.
 - b. Use the coating materials identical to those applied in the shop. Refer to other Sections of these specifications for materials and other requirements.
 3. Cementitious Materials: Prepare concrete, concrete masonry block and cement plaster surfaces to be painted. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen, as required, to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods of surface preparation.
 - a. For painting of interior concrete surfaces at location indicated on the drawings, fill voids, cracks or other defects and grind down to provide smooth surface.
 - b. Use abrasive blast-cleaning methods if recommended by the paint manufacturer.
 4. Wood: Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits,

and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.

- a. Scrape and clean small, dry, seasoned knots, and apply a thin coat of white shellac or other recommended knot sealer before applying primer. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood filler. Sand smooth when dried.
- b. Prime, stain, or seal wood to be painted immediately on delivery. Prime edges, ends, faces, undersides, and backsides of wood panels.
- c. When transparent finish is required, backprime with spar varnish.

3.03 MATERIALS PREPARATION

- A. Carefully mix and prepare painting materials in accordance with manufacturer's directions.
- B. Maintain containers used in mixing and application of paint in a clean condition, free of foreign materials and residue.
- C. Stir materials before application to produce a mixture of uniform density, and stir as required during application. Remove surface film and, if necessary, strain material before using.
- D. Use only thinners approved by the paint manufacturer, and only within the recommended limits.
- E. Tint each under coat a lighter shade to facilitate identification of each coat where multiple coats of the same material are applied. Tint undercoats to match the color of the finish coat, but provide sufficient differences in shade of undercoats to distinguish each separate coat.

3.04 APPLICATION

- A. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.
 1. Paint colors, surface treatments, and finishes shall be as indicated or selected by the Owner/Architect.
 2. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
 3. Provide finish coats that are compatible with primers used.
 4. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convactor covers, covers for finned-tube radiation, grilles, and similar components are in place. Extend coatings in these areas, as required, to maintain the system integrity and provide desired protection.
 5. Paint surfaces behind movable equipment and furniture the same as similar exposed surfaces. Before the final installation of equipment, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
 6. Paint interior surfaces of ducts with a flat, nonspecular black paint where visible through registers or grilles.
 7. Paint back sides of access panels and removable or hinged covers to match exposed surfaces.
 8. Finish exterior doors on tops, bottoms, and side edges the same as exterior faces.
 9. Finish interior of wall and base cabinets and similar field-finished casework to match exterior.
 10. Sand lightly between each succeeding enamel or varnish coat.
- B. Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.
 1. The number of coats and the film thickness required are the same regardless of application

- method. Do not apply succeeding coats until the previous coat has cured as recommended by the manufacturer. If sanding is required to produce a smooth, even surface according to manufacturer's written instructions, sand between applications.
2. Omit primer on metal surfaces that have been shop primed and touchup painted.
 3. If undercoats, stains, or other conditions show through final coat of paint, apply additional coats until paint film is of uniform finish, color, and appearance. Give special attention to ensure edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.
 4. Allow sufficient time between successive coats to permit proper drying. Do not recoat surfaces until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and where application of another coat of paint does not cause the undercoat to lift or lose adhesion.
- C. Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.
1. Brushes: Use brushes best suited for the type of material applied. Use brush of appropriate size for the surface or item being painted.
 2. Rollers: Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended by the manufacturer for the material and texture required.
 3. Spray Equipment: Use airless spray equipment with orifice size as recommended by the manufacturer for the material and texture required.
- D. Minimum Coating Thickness: Apply paint materials no thinner than manufacturer's recommended spreading rate. Provide the total dry film thickness of the entire system as recommended by the manufacturer.
- E. Mechanical and Electrical Work: Painting of mechanical and electrical work is limited to items exposed in occupied spaces.
- F. Masonry Fillers: Apply block fillers to concrete masonry units at a rate to ensure complete coverage with pores filled.
- G. Prime Coats: Before applying finish coats, apply a prime coat of material, as recommended by the manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn through or other defects due to insufficient sealing.
- H. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.
- I. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not complying with requirements.

3.05 CLEAN-UP AND PROTECTION

- A. Clean-Up: During progress of work, remove from site discarded paint materials, rubbish, cans and rags at end of each work day.
1. Upon completion of painting work, clean paint-spattered surfaces. Remove spattered paint by proper methods, with care not to scratch or otherwise damage finished surfaces.
- B. Protection: Protect work of other trades against damage by painting and finishing work. Correct

any damage by cleaning, repairing or replacing, and repainting, as acceptable to Architect.

1. Provide "Wet Paint" signs to protect newly-painted finishes. Remove temporary protective wrappings provided by others for protection of their work, after completion of painting operations.

2. At completion of work of other trades, touch-up and restore all damaged or defaced surfaces.

3.06 FIELD QUALITY CONTROL

A. The Owner reserves the right to invoke following test procedures at any time and as often as the Owner deems necessary during the period when paint is being applied:

1. The Owner will engage the services of an independent testing laboratory to sample the paint material being used. Samples of material delivered to the project will be taken, identified, sealed, and certified in the presence of the Contractor.

2. The testing laboratory will perform appropriate tests for the following characteristics as required by the Owner.

- a. Quantitative material analysis.
- b. Abrasion resistance.
- c. Apparent reflectivity.
- d. Flexibility.
- e. Washability.
- f. Absorption
- g. Accelerated weathering.
- h. Dry opacity.
- i. Accelerated yellowness.
- j. Recoating.
- k. Skinning.
- l. Color retention
- m. Alkali and mildew resistance

3. If the tests show material being used does not comply with the specified requirements, the Contractor may be directed to stop painting, remove non-complying paint, pay for testing, repaint surfaces coated with rejected paint, and remove rejected paint from previously painted surfaces if upon repainting with specified paint, the two coatings are non-compatible.

3.06 EXTERIOR PAINT SCHEDULE

A. General: Provide the following exterior paint systems as indicated on the Finish Schedules.

B. Metal: (Ferrous, Galv. Ferrous and Non-ferrous Metals):

1. Primer: 1 coat (4.0 – 7.0 mils DFT) PPG's "PITT-GUARD" Direct-To-Rust Epoxy Mastic , 97-145 Series.
2. Finish: 2 coats (4.0 – 6.0 mil DFT each coat) PPG's "AQUAPON" High Build Semi-Gloss Polyamide Epoxy, 97-130 series.

3.07 INTERIOR PAINT SCHEDULE

A. General: Provide the following interior paint systems as indicated on the Drawings and Finish Schedules.

B. Cast-In-Place Concrete Walls:

1. Semi-gloss Finish/High Build Polyamide-Epoxy:
 - a. Primer: 1 coat (4.0 – 7.0 mils DFT) PPG's "PITT-GUARD", 97-145 Series.
 - b. Finish: 2 coats (4.0 – 6.0 mil DFT each coat) PPG's "AQUAPON" High Build Semi-Gloss Polyamide Epoxy, 97-130 series.

C. Concrete Floors:

1. Semi-gloss Finish/High Build Polyamide-Epoxy:
 - a. Primer: 1 coat (4.0 – 7.0 mils DFT) PPG's "PITT-GUARD" Direct-To-Rust Epoxy Mastic , 97-145 Series.
 - b. Finish: 2 coats (4.0 – 6.0 mil DFT each coat) PPG's "AQUAPON" High Build Semi-Gloss Polyamide Epoxy, 97-130 series.

D. Concrete Masonry Units, Semi Gloss Finish:

1. Semi-gloss Finish/High Build Polyamide-Epoxy:
 - a. Primer: 1 coat (4.0 – 7.0 mils DFT) PPG's "AQUAPON" Polyamide-Epoxy Block Filler, 97-685 Series.
 - b. Finish: 2 coats (4.0 – 6.0 mil DFT each coat) PPG's "AQUAPON" High Build Semi-Gloss Polyamide Epoxy, 97-130 series.

E. Gypsum Drywall; Wall and Ceiling locations indicated:

1. Semi-gloss Finish/High Build Polyamide-Epoxy:
 - a. Primer: 1 coat (4.0 – 7.0 mils DFT) PPG's "PITT-GUARD" Direct-To-Rust Epoxy Mastic , 97-145 Series.
 - b. Finish: 2 coats (4.0 – 6.0 mil DFT each coat) PPG's "AQUAPON" High Build Semi-Gloss Polyamide Epoxy, 97-130 series.

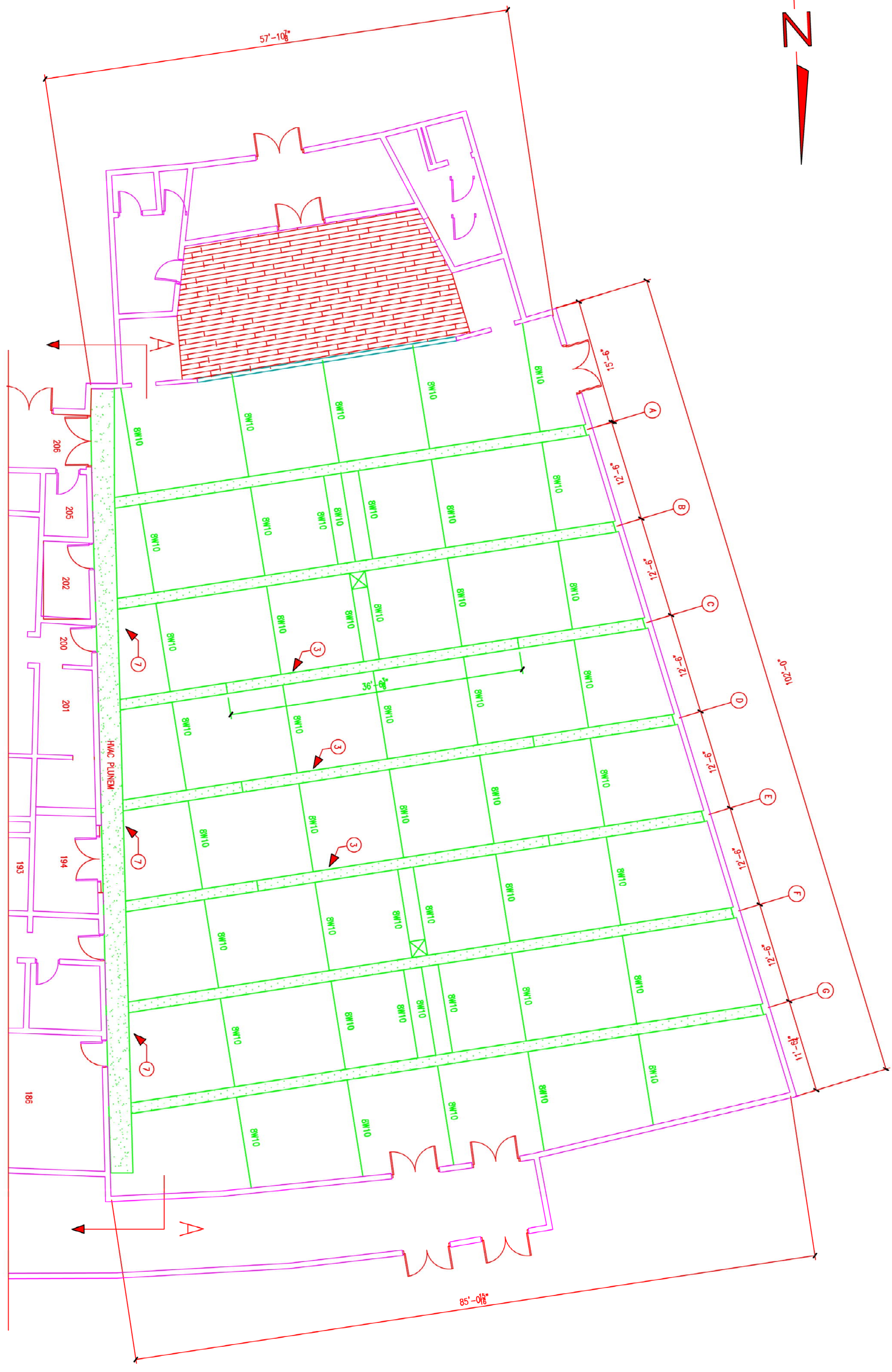
G. Metal, Ferrous, Galv., Piping, Ductwork, HVAC:

1. Semi-gloss Finish/High Build Polyamide-Epoxy:
 - a. Primer: 1 coat (4.0 – 7.0 mils DFT) PPG's "PITT-GUARD" Direct-To-Rust Epoxy Mastic , 97-145 Series.
 - b. Finish: 2 coats (4.0 – 6.0 mil DFT each coat) PPG's "AQUAPON" High Build Semi-Gloss Polyamide Epoxy, 97-130 series.

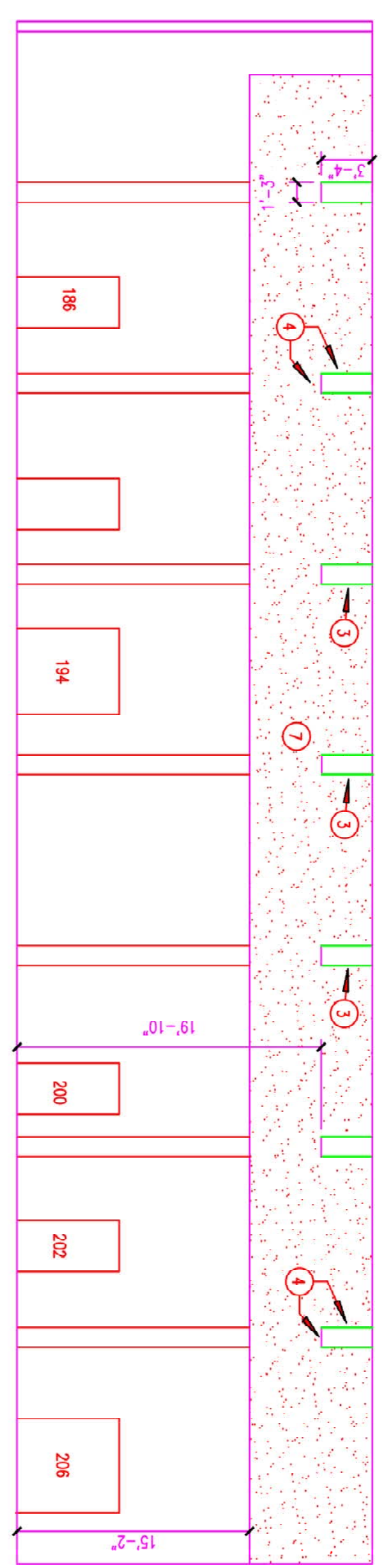
H. Zinc-coated Metal:

1. Semi-gloss Finish/High Build Polyamide-Epoxy:
 - a. Primer: 1 coat (4.0 – 7.0 mils DFT) PPG's "PITT-GUARD" Direct-To-Rust Epoxy Mastic , 97-145 Series.
 - b. Finish: 2 coats (4.0 – 6.0 mil DFT each coat) PPG's "AQUAPON" High Build Semi-Gloss Polyamide Epoxy, 97-130 series.

END OF SECTION 09900



West School Gym – Beams



Section A – A

- NOTES**
1. Remove entire plaster sound proofing enclosure and framing on beams A through G.
 2. Re-frame all beams with metal studs for acceptance of gypsum or plywood.
 3. Cover South side of beams C, D and E with 1/2" plywood for a distance of 18' either side of center. Fit tight to all equipment and purfins.
 4. Cover remaining with 1/2" gypsum. Fit tight to all equipment and purfins.
 5. The new enclosures shall be topped and pointed.
 6. Patch and point plaster return air plenum.
 - 7.



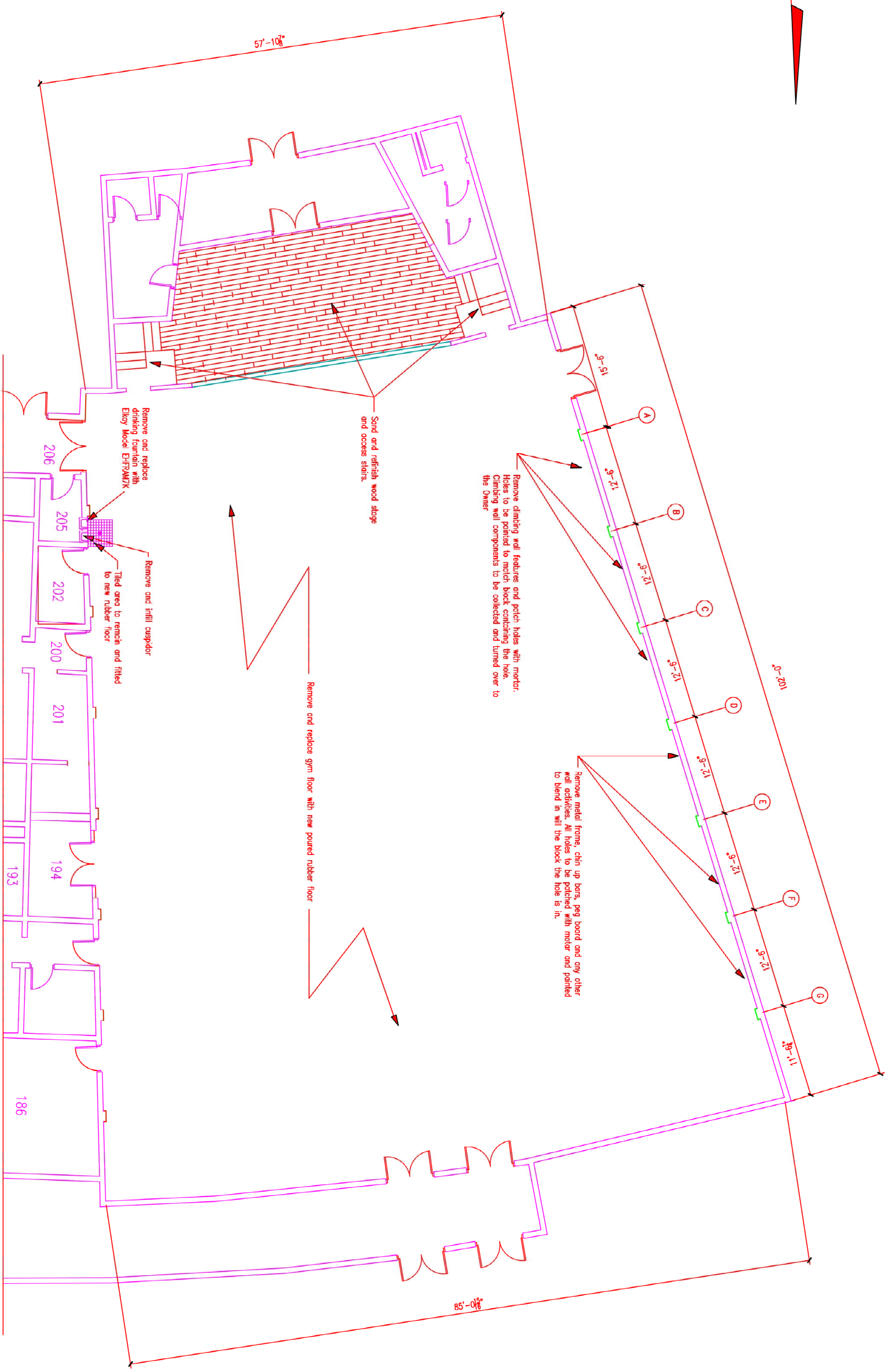
General Notes

No.	Revision/Issue	Date

Department of Children and Families
 505 Hudson Street
 Hartford, CT 06106

Albert J. Solini, Children's Center
 915 River Road
 Middletown, CT 06457
 West School Gymnasium
 Improvements

GYM PLAN VIEW	Sheet
Date March 14, 2019	A-01
Scale 1" = 1'-0"	



West School Gym – Floor & Stage



General Notes

No.	Revision/Issue	Date

Department of Children and Families
505 Hudson Street
Hartford, CT 06106

Albert J Solini Children's Center
915 River Road
Middletown, CT 06457
West School Gymnasium
Improvements

Floor and Stage	Sheet
Date March 14, 2019	A-02
Scale 1" = 1'-0"	