

SECTION 01 50 00

TEMPORARY FACILITIES AND CONTROLS

PART I - GENERAL

1.1 SUMMARY

- A. This Section includes requirements for temporary facilities and controls, including temporary utilities, support facilities, and security and protection facilities.
- B. Temporary utilities include, but are not limited to, the following:
 - 1. Water Service and distribution.
 - 2. Sanitary facilities, including toilets, wash facilities, and drinking-water facilities.
 - 3. Ventilation.
 - 4. Electric power service.
 - 5. Lighting.
- C. Support facilities include, but are not limited to, the following:
 - 1. Waste disposal facilities.
 - 2. Field offices.
 - 3. Storage and fabrication sheds.
 - 4. Lifts and hoists.
 - 5. Staging areas.
 - 6. Construction aids and miscellaneous services and facilities.
 - 7. Scaffolding and platforms
- D. Security and protection facilities include, but are not limited to, the following:
 - 1. Environmental protection.
 - 2. Stormwater control.
 - 3. Tree and plant protection.
 - 4. Pest Control.
 - 5. Site enclosure fence.
 - 6. Security enclosure and lockup.
 - 7. Barricades, warning signs, and lights.
 - 8. Covered walkways
 - 9. Temporary enclosures.
 - 10. Temporary partitions.
 - 11. Fire protection.
- E. Unless work of this section is indicated to be provided under a specific contract, Contractor must provide, maintain and remove required temporary facilities necessary to perform his own construction activities.
- F. Accessible Temporary Egress: Comply with applicable provisions in ICC/ANSI A117.1.

1.2 QUALITY ASSURANCE

- A. Regulations: Comply with industry standards and applicable laws and regulations of authorities having jurisdiction including, but not limited to, the following:
 - 1. Building code requirements.
 - 2. Health and safety regulations.
 - 3. Utility company regulations.
 - 4. SED 155.5 Regulations
 - 5. Environmental protection regulations.
- B. Standards: Comply with NFPA 241 "Standard for Safeguarding Construction, Alterations, and Demolition Operations", ANSI A10 Series standards for "Safety Requirements for Construction and Demolition" and NECA Electrical Design Library "Temporary Electrical Facilities."
 - 1. Electrical Service: Comply with NEMA, NECA, and UL standards and regulations for temporary electric service. Install service in compliance with NFPA 70 "National Electric Code."
- C. Inspections: Arrange for authorities having jurisdiction to inspect and test each temporary utility before use. Obtain required certifications and permits.

1.3 PROJECT CONDITIONS

- A. Temporary Utilities: Each contractor will prepare a schedule indicating dates for implementation and termination of each temporary utility. At the earliest feasible time, when acceptable to the Owner, change over from use of temporary service to use of permanent service.
- B. Conditions of Use: Keep temporary services and facilities clean and neat in appearance. Operate in a safe and efficient manner. Relocate temporary services and facilities as the work progresses. Do not overload facilities or permit them to interfere with progress. Take necessary fire-preventive measures. Do not allow hazardous, dangerous, or unsanitary conditions, or public nuisances to develop or persist onsite.

1.4 DIVISION OF RESPONSIBILITIES

- A. General: These Specifications assign the Contractor responsibilities.
- B. Each Contractor is responsible for the following:
 - 1. Installation, operation, maintenance and removal of each temporary facility considered as its own normal construction activity, as well as the costs and use charges except as listed below.
 - 2. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
 - 3. Its own storage and fabrication sheds.
 - 4. Hoisting requirements, including hoisting loads in excess of 2 tons, hoisting material or equipment into spaces below grade, and hoisting requirements outside the building enclosure.
 - 5. Collection and disposal of its own hazardous, dangerous, unsanitary, or other

- harmful waste material.
6. Secure lock-up of its own tools, materials and equipment. (Locked ConEx boxes)
 7. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.
 8. Maintaining temporary facilities provided by Contractor.
 9. Complying with the regulations of the Commissioner of Education - 8 NYCRR 155.5 - Uniform Safety Standards for School Construction and Maintenance Projects specified in Division 1 Section "01 50 00 - Uniform Safety Standards for School Construction".
 10. Containers for non-hazardous waste and debris generated by their own demolition and construction operations.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. General: Provide new materials. Provide materials suitable for use intended.
- B. Lumber and Plywood:
 1. For signs and directory boards, provide exterior-type, Grade B-B high density overlay plywood
 2. For vision barriers, provide minimum 3/8-inch-thick exterior plywood.
- C. Paint: Comply with:
 1. Paint surfaces exposed to view from Owner occupied areas. (taped gypsum joints)
- D. Tarpaulins: Provide waterproof, fire-resistant, UL-labeled tarpaulins with flame-spread rating of 15 or less. For temporary enclosures, provide translucent, nylon-reinforced, laminated polyethylene or polyvinyl chloride, fire-retardant tarpaulins.
- E. Water: Provide potable water approved by local health authorities.
- F. Open-Mesh Chain Link Fencing: Provide 0.120-inch-thick, galvanized steel posts, and 2.875" dia. Gate posts. 9-gauge chain link fence, 6' high with vision screening. Provide lockable gates. Furnish keys to the Owner, Architect, Architect's Site Representative and necessary construction personnel.
- G. Temporary Roofing - 1/2" gypsum sheeting and 45 mil reinforced EPDM membrane.

2.2 EQUIPMENT

- A. General: Provide new equipment. If acceptable to the Architect, the Contractor may use undamaged, previously used equipment in serviceable condition. Provide equipment suitable for use intended.
- B. Water Hoses: Provide 3/4-inch, heavy-duty, abrasion-resistant, flexible rubber hoses 100 feet long, with pressure rating greater than the maximum pressure of

the water distribution system. Provide adjustable shutoff nozzles at hose discharge.

- C. Fire Extinguishers: Provide hand-carried, portable, UL-rated, Class A fire extinguishers for temporary offices and similar spaces. In other locations, provide hand-carried, portable, UL- rated, Class ABC, dry-chemical extinguishers or a combination of extinguishers of NFPA- recommended classes for the exposures.

PART 3 - EXECUTION

3.1 TEMPORARY UTILITY INSTALLATION

- A. Use qualified personnel for installation of temporary facilities. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the work. Relocate and modify facilities as required.
- B. Contractor shall provide each facility ready for use when needed to avoid delay. Maintain and modify as required. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.
 - I. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.

3.2 CONTRACTOR FIELD OFFICES

- A. Contractor may with permission from the architect and construction manager establish a field office for their own use. Said offices for the individual prime contractor, subcontractors, specialty contractors and the like shall be of such size and design as approved by the owner and shall be located in the Construction Managers designated staging area by the Middle School entrance road. Each representative contractor will arrange for telephone service and electric service, if required, directly with the utility company. (No field offices or storage trailers will be allowed by the buildings).
- B. Maintain, in the contractor's field office, all articles for First Aid treatment. The contractor shall also establish standing arrangements for the immediate removal and hospital treatment of any employees and other persons on the job site who may be injured or who may become ill during the course work.

3.3 TEMPORARY AND PERMANENT SERVICES, GENERAL

- A. The Contractor's use of any permanent system or service of the building or portions thereof shall be subject to the Owners approval.
- B. The Contractor shall be responsible for any and all damage to permanent services used and shall make good any and all damage to the satisfaction of the owner, prior to final completion and acceptance.
- C. NOTE - In accordance with OSHA and other applicable regulations, the representative Contractors performing erection of "skeleton" type work are solely responsible for the netting, guard rail protection and such other safety devices as

deemed necessary to protect the workers and public from harm.

TEMPORARY LIGHT AND POWER

- D. Temporary Electric Power Service: Electrical Contractor shall provide and pay all costs to provide a weatherproof, grounded electric power service and distribution system of sufficient size, capacity, and power characteristics to accommodate performance of work during the construction period.
1. Responsibility: All work under this section to be provided by the **Electrical Contractor**.
 2. Applicability: This section applies to all renovation and new construction work areas for this Project.
 3. Electrical Contractor shall make arrangements with utility company for temporary and permanent services immediately after award of contract.
 4. Temporary or permanent services for temporarily or permanently installed building equipment such as sump pumps, boilers, cabinet heating and/or cooling units and fans shall be furnished, installed, operated and maintained so that the said equipment may be operated for drainage and temporary heat when required and/ or when so ordered by the Architect/Construction Manager.
 5. Electrical Contractor shall maintain all parts of the electrical system (temporary and permanent) active and in-service at all times throughout the contract duration. All temporary lighting to be controlled by standard switches per code (outside of power panels).
 6. Electrical Contractor shall maintain power during the hours established by Construction Manager at no additional charge.
 7. Temporary Service: Install service and grounding in compliance with the National Electric Code (NFPA 70). Include necessary meters, transformers, overload protected disconnect and main distribution switch gear. Comply with all NECA, NEMA and UL Standards.
 8. Provide temporary service with an automatic ground-fault interrupter feature, activated from the circuits of the system.
 9. Power Distribution System: Provide circuits of adequate size and proper characteristics for each use. In general run wiring overhead. Rise vertically where wiring will be least exposed to damage from construction operations.
 10. Provide metal conduit, tubing or armored cable for protection of temporary power wiring where exposed to possible damage during construction operations. Where permitted by code, wiring of circuits not exceeding 110-120 Volt 20 Amp rating and wiring of lighting circuits may be non-metallic sheathed cable in areas where located overhead and exposed. Do not wire temporary lighting with plain, exposed (insulated) electrical conductors. Provide metal enclosures or boxes for wiring devices.
 11. Provide overload-protected disconnect switch as required by code.
 12. For power hand tools and task lighting, provide temporary 4-gang outlets at each floor level, spaced so that a 100-foot extension cord can reach each work area. Provide separate 110-120 Volt, 20 Amp circuit for each 4-gang outlet (4 outlets per circuit).
 13. Temporary electric power for Owner's Representative's field office.
 14. Maintaining all existing systems, including but not limited to, power, lighting, fire alarm, computers, intercom, etc., within the existing building operational at all times for Owner occupancy and construction.

- E. TEMPORARY ELECTRICAL AND TELEPHONE SERVICES
1. Temporary Power Source: At each building/renovation area, use the existing electrical power distribution system for temporary power source.
 2. Owner's Requirements: Do not disrupt the Owner's needs for continuous power at each building.
 3. Electrical Contractor shall provide temporary power and lighting facilities for use of all trades. All temporary light and power shall be in accordance with the required Codes and Safety Standards. The temporary light and power shall be used until permanent light and power is completed or portions of the building(s) are enclosed.
 4. ANY contractor trailer use/connection charges for power and telephone to be paid by the respective contractor.
- F. TEMPORARY POWER DISTRIBUTION
1. General Requirements: Electrical Contractor shall provide feeders and branch circuits of adequate size and proper characteristics as required to supply temporary receptacle and lighting loads. Size service and feeder conductors to restrict voltage drop to maximum 5 percent at 80 percent power factor. Provide properly sized overcurrent protection for each temporary electrical circuit.
- G. RECEPTACLE REQUIREMENTS
1. General Requirements: Provide temporary receptacle outlets as required for operation of portable tools and appliances during the construction period.
 2. Minimum Requirements: Provide a minimum of one quad 120-volt receptacle per 2500 square feet of building floor area, with maximum spacing of 50 feet on center.
 3. Branch Circuits: All temporary receptacle branch circuits to be rated 20 amps with a maximum of (3) duplex receptacles per circuit. Temporary receptacle branch circuits shall be independent of temporary lighting circuits.
- H. LIGHTING REQUIREMENTS
1. General Requirements: Electrical Contractor shall provide both interior and exterior lighting at areas where existing lighting has been removed and at new construction areas, as required to provide adequate illumination for safe and proper construction operations and Project Site security.
 2. Minimum Requirements: Provide illumination levels adequate for construction operations and safe traffic conditions. As a minimum provide one 200-watt lamp per 400 square feet of building floor area, with maximum spacing of 20 feet. Any rooms in excess of 500 sf will receive one 400-watt metal halide fixture for each 500 sf of area, or LED equivalent.
 3. Supplemental Lighting: If required, supplemental lighting beyond minimum requirements shall be provided via suitable portable lighting units with cord and plugs, and shall be paid for by the Contractor or Sub- Contractor requiring such additional lighting.
 4. Branch Circuits: All temporary lighting branch circuits to be loaded to a maximum of 1400 watts per 20-amp circuit. Temporary lighting branch circuits shall be independent of temporary receptacle circuits.
 5. Restrictions: Do not use permanent lighting systems for temporary construction lighting purposes.

I. MAXIMUM LOADS

1. General: Lighting and power loads connected to the power distribution system shall be limited to the following maximum individual loads:

<u>Load Type</u>	<u>Maximum Size</u>
120 volt, 1-phase	1.5 KVA
208 volt, 1-phase	2.5 KVA
208 volt, 3-phase	5.0 KVA

2. General: The temporary power distribution system shall be sufficiently sized to provide temporary power as required within this section. Meter and Meter connections to be part of electrical contractors base bid.

J. ELECTRICAL WELDERS

1. Separate Power Sources Required: Power for electric welders and for other loads larger than the maximum allowable sizes shall be taken from portable power sources provided, paid for and operated by the Contractor or Sub-Contractor requiring the use of such equipment. Remove such power sources when no longer needed.

K. USE CHARGES

1. General: Cost or use charges for temporary facilities are not chargeable to the Owner or the Architect, Engineer or the Owner's Representative. The Architect and Owner will not accept a prime contractor's cost or use charges for temporary services or facilities as a basis of claim for an adjustment in the Contract Sum or the Contract Time.
- a. Water Service Use Charges: Water from the Owner's existing water system may be used without metering, and without payment for use charges.
- b. Electric Power Service Use Charges: Electric power from the Owner's existing system may be used without payment of use charges. (Coordinate connections and usage with submitted approval by Owner).

3.4 TEMPORARY TOILET AND HANDWASH FACILITIES

- A. Sanitary Facilities: Sanitary facilities include temporary toilets, wash facilities and drinking water fixtures. Comply with governing regulations including safety and health codes for the type, number, location, operation and maintenance of fixtures and facilities. Install in locations which will best serve the project's needs. Existing facilities should not be used.

- B. Responsibilities: The Contractor is responsible for temporary sanitary facilities and their maintenance, cleaning and supplies for use by all trades. Sufficient quantity/locations to properly handle the amount of workers onsite.

Mechanical Contractor to provide toilet and handwash facilities for all workers/trades.

- C. Supply and maintain toilet tissue, paper towels, soap /sanitizer and other disposable materials as appropriate for each facility, including Owner's Representative's temporary offices for full contract duration. Provide covered waste

containers for used material.

3.5 TEMPORARY WATER

- a. Each Contractor shall note:
 - 1) Water source is only available from building. If contractor decides distance is too far he should use water storage tanks or struck at no additional charge.
 - 2) Provide all hose and other extensions from source and all labor, materials and supplies required to supply water to the work.
 - 3) Prevent water damage to the work.

3.6 STORAGE FACILITIES

- A. Each Contractor shall provide temporary storage containers and other facilities as required for their own use. Temporary structures shall be located at the Construction Manager's designated staging area for each school building and shall be removed upon completion of the work or when directed.
- B. Materials delivered to the site shall be safely stored and adequately protected against loss or damage. Particular care shall be taken to protect and cover materials that are liable to be damaged by the elements.
- C. Due to limited on site storage space, each Contractor shall coordinate delivery of his materials with the Construction Manager who will determine when large deliveries shall be made and shall be designate storage locations on site for delivered materials. All stored materials must be stored in locked, watertight trailers, paid for by applicable contractor.

3.7 SCAFFOLDING AND STAGING

- A. All scaffold, staging and appurtenances thereto shall comply in total to the requirements of Safety and Health Regulations for Construction Chapter XVII of OSHA, Part 1926 and all related amendments.

3.8 RUBBISH CONTAINER

- A. Each Contractor shall provide suitable rubbish container device(s) for his own use (both demolition and construction debris), properly maintained and serviced, replaced as required and protected from access by the public fencing as may be specified herein or approved by the Architect or Construction Manager.

3.9 CONSTRUCTION FENCING

- A. Construction fencing and barriers shall be provided by the **Mechanical Contractor**, enclosing all work and storage areas as specified below. Temporary construction fencing shall be of good quality and neat in appearance.
- B. Site access gates shall be provided as required, complete with all operating hardware and security devices.

- C. Should fencing be required to be relocated or modified during the course of the project due to additional access needed by the contractor, same shall be done at the total expense of the contractor.
- D. Note: Should any contractor damage or cause the need for repair to the construction fence, all costs involved with said repair will be back-charged to the contractor creating the need.
- E. **The Mechanical Contractor shall provide a 50' x 50' temporary fence area with 2 ea 12' gates at each of the 5 schools where directed by CM. All fenced areas to be 6' high chain link fencing, 9 ga fabric on stanchions with vision barrier screening fabric securely fastened.**
- F. All temporary fenced areas will have the turf restored at the conclusion of the project by the Mechanical Contractor

3.10 JANITORIAL SERVICE/DAILY CLEANUP

- A. Each Contractor shall furnish daily janitorial services for the project and perform any required maintenance and cleaning of facilities as deemed necessary by the Construction Manager during the entire life of the contract (picking up of break trash , coffee, cups, empty boxes ,etc). If any contractor fails to keep the site safe and broom clean within 4 hours of being notified by CM, either verbally or in writing, the construction manager will have the cleanup work performed by others and the contractors will be back charged accordingly.

3.11 BURNING

- A. Burning will not be permitted.

3.12 MAINTENANCE OF PERMANENT ROADWAYS

- A. The Mechanical Contractor shall immediately remove dirt and debris which may collect on permanent roadways created by their work, deliveries, manpower, equipment, etc.

3.13 FIRE PREVENTION CONTROL

- A. Each Contractor shall comply with the safety provisions of the National Fire Protection Association's "National Fire Codes" pertaining to the work and, particularly, in connection with any cutting or welding performed as part of the work.

3.14 TEMPORARY FIRE PROTECTION

- A. Each Contractor shall take all possible precautions for the prevention of fires.
 - 1. Where flame cutting torches, blow torches, or welding tools are required to be used, their use shall be as approved by the Construction Manager at the site.
 - 2. When welding tools or torches of any type are in use, have available in the immediate vicinity of the work a fire extinguisher of the dry chemical 20 lbs.

Type. The fire extinguisher(s) shall be provided and maintained by the Contractor doing such work.

- B. Fuel for cutting and heating torches shall be gas only and shall be contained in Underwriters laboratory approved containers.
- C. Storage of gas shall be in locations as approved by the Owner and subject to Fire Department regulations and requirements.
- D. No volatile liquids shall be used for cleaning agents or as fuels for motorized equipment or tools within a building except with the express approval of the Owner and/or Architect and in accordance with local codes. On-site bulk storage of volatile liquids shall be outside the buildings at locations directed by the Owner, who shall determine the extent of volatile liquid allowed within the building at any given time.
- E. Each Contractor shall comply with the following requirements relating to compressed gas:
 - 1. Where compressed gas of any type is used for any purpose at the site, it shall be contained in cylinders complying with ICC regulations. Gases of different types shall not be stored together except when in use and when such proximity is required.
 - 2. All gas cylinders shall be stored in sheds constructed of noncombustible materials. Sheds shall be well ventilated and without electric lights or fixtures and shall be located as far from other buildings as is practicable. All gas cylinders not in actual use, or in proposed immediate use, shall be removed from the building under construction or reconstruction. Empty gas cylinders shall be removed prior to bringing in a replacement cylinder. Cylinders shall at all times be supported and braced in an upright position. When not in use, the protective cap shall be screwed over the valve.
 - 3. All persons required to handle gas cylinders or to act as temporary firemen (Fire Watchers) shall be able to read, write and understand the English language; they shall also be required by the Contractor to read Part 3 of Pamphlet P-1 "Safe Handling of Compressed Gases" published by the Compressed Gas Association, 500 Fifth Avenue, New York, NY 10036.

3.15 VENTILATION AND HUMIDITY CONTROL FOR CONSTRUCTION

Mechanical Contractor will provide temporary ventilation as required for protecting the building from any adverse effects of high humidity during abatement and construction activities. Select dehumidification and ventilating equipment that will not have a harmful effect on completed installations or elements being installed. Coordinate ventilation requirements and have sufficient quantity of units to produce necessary ambient conditions.

- 1) Each Contractor shall be responsible for his own temporary ventilation required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of high humidity.
- 2) Ventilate enclosed area to dissipate humidity, and to prevent accumulation of dust, fumes, vapors or gases.
- 3) Provide equipment as necessary for air and fresh exchange for the work

area per OSHA standards.

- 4) If Contractor fails to adequately ventilate the building during the construction, abatement / roofing process, thereby causing humidity and possible mold issues, the owner will hire others to properly address and deduct costs from the Contractor accordingly.
- 5) General Contractor will provide negative air environment (sealing of all windows, doors and openings) with negative air machines of sufficient size/qty to fully ventilate the square footage of the work areas and exhaust any dust/fumes, paint vapors through flexible duct hose to exterior to eliminate any odors / smoke.
- 6) Any contractor whom allows water infiltration to building is responsible for cleanup and commercial dehumidifiers of sufficient size/qty to prevent mold growth. Failure to immediately address (4 hours notice) will result in the owners hiring others and backcharging in order to insure a safe environment.

3.16 CONTRACTOR PARKING AND PERMANENT PAVED AREAS:

I. Staging Areas:

- a. Temporary parking by construction personnel shall be allowed only in areas so designated.
- b. Traffic Regulations:
 - 1) Access through Owner's entrances shall be limited.
 - 2) Utilize only entrances/temporary roads as designated.
 - 3) Maintain all District traffic regulations.
 - 4) Construction parking will not be allowed adjacent to District buildings, additions or monuments.
 - 5) Construction employee parking to be located as directed by the CM

3.17 TRAFFIC CONTROLS:

- A. Contractor shall provide temporary traffic controls at junction of temporary roads with public roads. Include warning signs for public traffic and "STOP" signs for entrance onto public roads, barricades, flagmen, etc. Comply with requirements of authorities having jurisdiction.

3.18 ROOF PROTECTIONS

- A. Each contractor shall provide temporary protection on the roof surface when it is necessary to complete their rooftop work. (minimum 2" polyiso insulation and ½" plywood)
- B. The contractor shall assume responsibility for damages, if any, to the roofing system.

3.19 TEMPORARY SITE SAFETY AND DIRECTIONAL SIGNS

- A. The Mechanical Contractor shall provide signs as required below. Install signs where required or indicated to inform public and persons seeking entrance to project. All signage and posts become the property of the owner at the conclusion of the project.

- B. Prepare temporary signs to provide directional information to construction personnel and visitors.
- C. Construct signs in accordance with section 619 of the NYS DOT standard specifications (MUTCO overall sign size, letter size, metal signage). Support on breakaway metal posts or attach to fencing; do not attach signs to buildings or permanent construction. Signs to be orange background with black letters unless directed otherwise.
- D. Emergency egress only - Construction area (4 required)
- E. Per OSHA standards as necessary
- F. For "No Smoking" safe work site at multiple locations (12 required)
- G. Construction Area - Do Not Enter (5) mount on fence
- H. No Trespassing (30) mount on fence
- I. A premobilization meeting to establish location and quantities of all signage will be held with contractor, Construction Manager, and Owner. Prior to the start of any actual work the signage must be reviewed/approved by the Construction Manager.

3.20 SECURITY ENCLOSURE AND LOCKUP

- A. Each Contractor shall properly protect around partially completed areas of construction. Provide barricades to prevent unauthorized access, vandalism, theft, and similar violations of security.

3.21 BARRICADES, WARNING SIGNS AND LIGHTS

- A. Comply with standards and code requirements for erecting structurally adequate barricades. Paint with appropriate colors, graphics, and warning signs to inform personnel and public of possible hazard.
 - 1. For safety barriers, sidewalk bridges, and similar uses, provide minimum 5/8-inch-thick exterior plywood.

3.22 TEMPORARY DUST PROTECTIONS & FLOOR PROTECTIONS

1. General Contractor shall erect and maintain dustproof partitions and temporary enclosures to limit dust and dirt migration and to separate work areas from fumes.
2. Construct dustproof, floor to ceiling partitions of not less than 3-5/8" – 20 ga. studs , 2 layers of 6 mil poly sheets inside / outside, sound batt insulation, exterior sheathing 5/8" plywood , interior sheathing 5/8" gypsum taped/painted where owner occupied. Caulk seal joints and perimeter to prevent dust migrations. Equip partitions with dustproof doors and security locks.

In addition to any temporary partition locations shown on drawings, General Contractor will include in his base bid 2 ea. 9' x12' temporary partitions meeting the

above criteria for use where directed.

3. General Contractor will plywood seal doorways from the lockers into gymnasium to prevent unauthorized access into construction area except for designated exterior outside doors. The corridor entrance doors to receive 2 layers heavy duty (taped joints) dust protections.

4. Temporary Floor Protections

– the General Contractor shall provide & install 6 mil poly under ¼” Masonite with taped joints for entire Middle School gym floor area and Heavy duty Ram Board for the entire High School Cafeteria and adjacent corridor / servery areas.

- All Elementary School Gymnasiums (entire floor area) to receive Heavy Duty Ram Board furnished, installed and maintained by Mechanical Contractor for use by all trades.

3.23 AREAS OF SPECIAL PROTECTION:

- A. In the event of an emergency (designated by the sounding of the fire alarm system) all construction activities must immediately cease. Contractor’s work force will evacuate themselves from work areas and remain outside of work areas until the “all clear” is given. No work operations will be tolerated during the evacuation of the building or during an emergency

3.24 OPERATION, TERMINATION AND REMOVAL

- A. Supervision: Enforce strict discipline in use of temporary facilities. Limit availability of temporary facilities to essential and intended uses to minimize waste and abuse.
- B. Maintenance: Maintain facilities in good operating condition until removal. Protect from damage.
 1. Maintain operation of temporary enclosures on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.
 2. Protection: Maintain markers for underground lines. Protect from damage during excavation operations.
- C. Termination and Removal: Unless the Architect requests that it be maintained longer, remove each temporary facility when the need has ended or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been affected because of interference with the temporary facility. Repair damaged work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.
 1. Materials and facilities that constitute temporary facilities are the Contractors property.
 2. At Substantial Completion, clean and renovate permanent facilities used during the construction period including.

END OF SECTION