STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
DASNY PROJECT JDE #299390
FAA PROJECT #11024.06

Rehabilitation of & Addition to Glimmerglass Fitness Center & Exterior Building Shell Improvements at Littlepage and Pathfinder Dining Halls

Littlepage

Pathfinder

Schematic Design Submission

November 19, 2012

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REHABILITATION OF & ADDITION TO GLIMMERGLASS FITNESS CENTER & EXTERIOR BUILDING SHELL IMPROVEMENTS AT LITTLEPAGE AND PATHFINDER DINING HALLS
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3. OUTLINE SPECIFICATIONS

(To Be Determined)

4. COST ESTIMATE

A. Pre-Schematic/Schematic Design Submission Cost Estimate 11-19-2012

5. MEETING MINUTES

A. Design Kick-Off Meeting 4-9-2012

B. Design Meeting #1 5-21-2012

C. Design Meeting #2 – Glimmerglass Fitness Center 6-11-2012

D. Design Meeting #3 – Littlepage/Pathfinder Dining Hall 6-11-2012

E. Design Meeting #4 – University Police Dispatch Center 6-11-2012

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1. PROJECT SUMMARY

A. PROJECT BACKGROUND:

Located within the West Campus area of SUNY Oswego, Littlepage and Pathfinder Dining Halls are part of a six-building complex intended to serve four adjacent residence halls. Four connecting tunnels link the six primary buildings together. Built in the late 1960's to early 1970's, this complex was designed and constructed of similar scale, materials, and colors, and intended to read as a single large composition. Aside from selective roof repairs, door replacements, and the addition of security screens to the connecting tunnel windows, much of Littlepage and Pathfinder Dining Halls' original construction remain intact.

B. PROJECT DESCRIPTION:

The exterior portion of work proposed under the Contract for this project is based on the feasibility study "West Campus Dining Hall Building Shell Improvements" dated May 10, 2011. This study provided Littlepage and Pathfinder Dining Hall building observations as well as recommendations to address roof, façade, windows and doors, MEP systems, and abatement concerns. The rehabilitation of and addition to the Glimmerglass Fitness Center portion of work proposed under the Contract for this project is based on the "Fitness/Student Activities Master Plan" dated December 2011. This master plan assessed the existing conditions and needs for indoor fitness campus-wide and recommended an expansion of and improvements to the current Glimmerglass Fitness Center in Littlepage Dining Hall as the best near and long term strategy.

C. SCOPE OF WORK:

1. Exterior Building Shell Improvements:

Roof

The roofs at Littlepage and Pathfinder Dining Halls are flat, essentially square, with an area of approximately 16,000 SF. The typical roof assembly for each building consists of 60mil EPDM membrane adhered to Polyisocyanurate taper board hot mopped to 3 1/2" Polyisocyanurate board hot mopped to 3-ply vapor retarder hot mopped to concrete deck. The typical roof perimeter at each building is terminated on the top of a low cast-in-place concrete parapet capped with a metal gravel stop flashing. The EPDM membrane extends up the interior face, over the top of the low parapet and terminates at the top outer edge of the gravel stop flashing. A single-story centrally located penthouse, approximately 760 SF in size, sits above each main roof, along with roof drains, ventilation ductwork, and a lightning protection system around the perimeter.

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The following roof work is recommended for each building:

- Remove existing EPDM membrane and roof assembly down to the vapor retarder.
- Install new white EPDM membrane, tapered insulation, and 3 1/2" rigid insulation to the existing vapor retarder and concrete deck.
- Replace all perimeter parapet wall flashings and edge metals with new.
- Replace existing roof drain strainers with lockable type or cast-iron type.
- Replace existing walkway pads with fully-bonded pads.
- Add fully-bonded walkway pads below equipment and wiring currently draped across the membrane surface.

The roofs at the four Connecting Tunnels are all cast-in-place concrete box structures built into grade, have one façade of exposed concrete with windows and doors, and all function as retaining walls. Each Connecting Tunnel is covered with either an earth and grass plaza or a waterproof membrane with concrete walks and paver plaza.

The following roof work is recommended for each Connecting Tunnel:

- Rehabilitate joint and metal flashing at all joints between the retaining walls and adjacent building facades.
- Repair or replace damaged and failing metal counter flashing.

Façade

The façade at Littlepage and Pathfinder Dining Halls consist of exposed cast-in-place concrete columns with spandrel beams that extend out proud of the plane of the façade. The bays formed by the concrete beams and columns are in-filled with either glass curtain wall or exposed aggregate pre-cast concrete wall panel. Each building has a concrete loading dock which provides direct access to the receiving area of the kitchen on the upper level. The loading docks each have a set of metal tread stairs located to the side for pedestrian access, however, there are no guardrails.

The following façade work is recommended for each building:

- Patch deteriorated, spalled, and missing sections of cast-in-place concrete façade. Where required, saw cut the area adjacent to the exposed steel reinforcing in order to pound the steel reinforcing below the surface for additional concrete repair coverage.
- Add pitch to the existing spandrel soffit rustication strips by filling in the portion from the existing drip channel to the face of the building with concrete repair mortar.
- Prepare and coat all exposed cast-in-place concrete façade surfaces.
- Remove all existing sealant joints and replace with new sealant.
- Prepare, prime, and paint all exposed steel on the building exterior including hand rails, steel

angles at the loading docks, pipes, bollards, roof top HVAC units, conduit, grills, stairs, etc.

- Apply urethane traffic membrane coating to the top surface of each loading dock.
- Only at Littlepage Dining Hall, remove and replace 10 FT of the concrete entrance walk at the south upper level entrance to eliminate the existing lip that presents a trip hazard.
- Only at Pathfinder Dining Hall, repair deteriorated concrete landing at stair area.

The façade at the four Connecting Tunnels to both the Littlepage and Pathfinder Dining Halls is exposed concrete with punched, recessed door and/or window openings. A vertical architectural reveal in the exterior concrete is centered on the punched door/window openings and returns into the door/window recess to the door/window head intersecting the drip channel. The top of the exposed walls display either a bench/rail system constructed of concrete pillars, cast with the wall, and pre-cast concrete elements between each pillar or a painted metal pipe railing. At one of the Connecting Tunnels there is also a corner concrete stairway consisting of two flights of stairs perpendicular to one another, with mid-level landing, concrete cheek walls, and a short painted metal pipe rail on top.

The following façade work is recommended for each Connecting Tunnel:

- Patch deteriorated, spalled, and missing sections of cast-in-place concrete façade.
- Fill in the door/window head returns and transverse spandrel soffit rustication strips with concrete mortar repair.
- Prepare and coat all exposed cast-in-place concrete site-wall façade surfaces with waterproof, elastomeric acrylic emulsion coating.
- Remove all existing sealant joints and replace with new sealant.
- Only at one Connecting Tunnel, rehabilitate exterior corner concrete stairway by patching concrete, repairing treads, and prepping and painting existing metal pipe rails.

Windows

The upper and lower level windows at Littlepage and Pathfinder Dining Halls consist of 7 1/2"-deep bronze anodized aluminum curtain wall framing with single pane glazing and matching narrow profile entrance doors. Typical sill framing is 7 1/2" high; head, jamb, and mullion framing is 2 1/2" wide. With the exception of the entrance storefront framing, all other framing members incorporate structural steel for reinforcing. The upper level dining hall windows feature floor-to-ceiling fixed glass with large upper vision glazing over the lower spandrel glazing backed with rigid insulation and a reinforced porcelain enamel panel interior finish. While the lower level windows at Littlepage remain original, a significant portion of the lower level windows at Pathfinder have been replaced to meet the needs of the Campus Police Department.

The following window work is recommended for each building:

- Remove all existing curtain wall (and door) systems, including all previous perimeter sealant applications.

- Provide cavity wall insulation as necessary following exposure of wall interior construction.
- Install new high-performance aluminum framed curtain wall systems with fluoropolymer finish, narrow profile frames, insulated sash, and compatible spandrel panels.
    - Fenestration to be based on two panel widths; 5'-0" and 4'-6"
    - Glazing colors, tints, and frame finish to borrow from the existing residence hall glazing system
    - Provide a 4" wide projecting fin to breakdown the scale and permit partition attachment where required, primarily at the University Campus Police Department office in Pathfinder
    - Refer to the Glimmerglass Fitness Center, Dining Hall, and University Police sections for additional window information.
- Provide polyurethane foam joint filler and new sealant system throughout.
- Provide new interior window treatments to match existing throughout.

The windows at the four Connecting Tunnels are recessed within the cast-in-place concrete exterior walls, spanning full height from the tunnel floor to the underside of the concrete roof above. The original window units consist of 4" deep bronze anodized aluminum framing with a single window with single pane glazing sliding over an opaque porcelain enamel panel. Typical sill, head, jamb, and mullion framing is 1" wide.

The following window work is recommended for each Connecting Tunnel:

- Remove all existing window systems, including all previous perimeter sealant applications, and provide temporary protection as necessary.
- Provide cavity wall insulation as necessary following exposure of wall interior construction.
- Install new high-performance aluminum framed curtain wall systems with fluoropolymer finish, narrow profile frames, insulated sash, and spandrel glazing in lower panel. Resolve interior finish issues with custom aluminum interior trim components, coordinating with adjacent heating convectors, wire mold, and existing flooring/base.
- Provide closed cell backer rod and sealant system throughout.

Doors

The doors at Littlepage and Pathfinder Dining Halls are narrow profile entrance doors incorporated within the same 7 1/2"-deep bronze anodized aluminum curtain wall framing system used for the windows. These entrance doors are typically finished in a matching bronze anodized aluminum; however the entrance door to the Campus Police Department was installed in a blue color finish. Doors located at the rear loading dock area of each building feature a pair of swinging hollow metal doors surmounted by painted metal insulated panels. Fixed louvers in a matching bronze anodized aluminum finish are also installed in the supporting walls of the loading dock.

The following door work is recommended for each building:

- Remove all existing door systems, including all previous perimeter sealant applications, and provide temporary protection as necessary.
- Provide cavity wall insulation as necessary following exposure of wall interior construction.
- Install new aluminum-framed entrance storefronts at exterior and interior entry vestibules with insulated sash, medium stile door profiles, and matching fluoropolymer finish.
- Replace rear loading dock doors in-kind with new, in a painted finish to match the proposed curtain wall framing finish. The existing metal panels above shall remain, painted to match the proposed curtain wall framing finish.
- Replace all existing louvers with new fixed units, painted to match proposed curtain wall framing finish.
- Provide polyurethane foam joint filler and new sealant system throughout.

The doors at the four Connecting Tunnels are also recessed within the cast-in-place concrete exterior walls, spanning full height from the tunnel floor to the underside of the concrete roof above. The existing door units consist of painted hollow metal doors and frames in a variety of door sizes, opening infill scenarios, and glazing layouts.

The following door work is recommended for each Connecting Tunnel:

- Remove all existing door systems, including all previous perimeter sealant applications, and provide temporary protection as necessary.
- Provide cavity wall insulation as necessary following exposure of wall interior construction.
- Install new hollow metal exterior doors, frames, sidelights, and transoms with finish to match new window replacements. Specify glazing options, hardware, and security tie-ins in conjunction with existing systems and campus standards.
- Provide closed cell backer rod and sealant system throughout.

2. Rehabilitation of & Addition to Glimmerglass Fitness Center:

(Please refer to the attached Proposed Drawings)

The Glimmerglass Fitness Center, located in the lower level of Littlepage Dining Hall, is an open fitness/exercise area with limited support spaces, approximately 7,200 SF, to serve West Campus residents. Due to overcrowding of the existing limited space available, particularly at peak times, the following is recommended in regards to the rehabilitation of and addition to the existing Glimmerglass Fitness Center:

- Primary exterior main entry moved to north side of the building. Able to internalize the main entry in lieu of an entry addition. There are also secondary exterior entries from tunnels on both the north and south sides of the building.

- Propose pre-engineered translucent canopies installed at primary north main entry and at secondary south tunnel entry. Up-lighting of each canopy is also possible and recommended to create a focal point.
- Provide access to both men's and women's locker areas directly from the entry/reception area.
- A simplified pavilion shape to the addition on the north side of the building will reduce the roof impact on the upper level dining views and reduce costs.
- All lower level glazing to be fixed.
- A 4,650 SF addition to the existing fitness center space will provide a total of 7,550 SF useable space; 6,500 SF designated for fitness and another 1,050 SF designated for women's strength & conditioning.
- Propose developing the expanded fitness center space on two levels with an 18" floor change; grade change permits views over the lower fitness area, improves roof obstruction from dining views above, and permits cardio-vascular exercise equipment at multiple locations with views out.
- Create a multi-purpose room of 1,150 SF. Wall between multi-purpose room and lower fitness level to have mirrors on both sides with clerestory glazing above to borrow natural lighting from the lower fitness level.
- Option to provide toilets off the lower level corridor for dining hall users.

3. Dining Hall Improvements:

The dining operations located in the upper level of both Littlepage and Pathfinder Dining Halls are intended to serve the West Campus residents. The dining halls, approximately 7,750-8,300 SF in size, offer two straight-line servers with secondary stations for drinks, salads, and desserts. The existing servers are in good condition and the existing dining room finishes are acceptable; however the indoor air quality and temperature controls are problematic. While the HVAC concerns are addressed separately, the following is recommended in regards to improvements to the existing dining halls:

- All upper level glazing to consist of 2'-6" lower spandrel, 7'-0" high vision panel, and 3'-6" tinted or frit panel above.
- New interior window treatments to match existing is addressed in the Window section.
- Option of an integral horizontal sun shade is also possible as part of the glazing above the vision panel to reduce heat gain effect.
- Update existing railing (plywood) infill at stair guards with new to meet code compliance.
- Integrate serving stations (similar to Lakeside) into the existing straight-line cafeteria system.
- Integrate pedestrian/car/truck traffic patterns at entrance areas.

- Provide new screening at otherwise functional loading dock area. Possibly provide new screening at dumpsters as well.

4. University Police Improvements:
(Please refer to the attached Proposed Drawings)

The University Campus Police Department, located in the lower level of Pathfinder Dining Hall, operates in approximately 7,200 SF of office and support space to serve the entire campus population. As reported by members of the Department, the existing office spaces are inefficient, utilized inadequately, and often poorly located for their uses. Due to these problematic issues, and to meet accreditation requirements, the following is recommended in regards to improvements to the existing University Campus Police Department office:

- Provide a welcoming and identifiable entrance as there was a user group discussion regarding the un-inviting and fortress-like appearance to the building/office.
- Propose pre-engineered translucent canopy installed at main entrance in lieu of existing concrete structure. Up-lighting of the canopy is also possible and recommended to create a welcoming and identifiable police presence on campus.
- The existing site wall located in front of the main entrance could also be cut down 12"-18" to alleviate fortress-like appearance and exterior signage could be applied.
- Propose new arrangements/locations for the following:
    - Office/administrative functions concentrated to the east side of the building
    - Operations functions concentrated to the west side of the building
    - Relocate armory to the west side of the building
    - Eliminate bifurcation of the department by moving dispatch center and lay it out in a more user-friendly configuration
    - Relocate conference room to the east/administrative side of the office and allow for exterior window access
    - Relocate evidence room and add a vestibule to meet accreditation requirements
    - Relocate and expand the lieutenants' office
- All lower level glazing to have narrow ventilator casement and a mixture of spandrel and vision panel glazing, mostly spandrel for security purposes.
- Replace existing acoustic ceiling tiles with new to rectify humidity damage evident on existing tiles as referenced in the Mechanical & Plumbing section.

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5. Mechanical & Plumbing:

Littlepage Dining Hall

General

The basis of design, as presented below, is a general description of the concepts and systems proposed for the new facility. All equipment will be designed per the following codes:

- Building Code of New York State
- Mechanical Code of New York State
- Plumbing Code of New York State
- Energy Conservation Construction Code of New York State
- Fuel Gas Code of New York State
- Fire Code of New York State

Central Mechanical/Plumbing System

The Littlepage building is currently provided with district stream generated at the campus power plant. The medium pressure steam (mps) is supplied to the building at approximately 50 psig through a 5" mps line that enters the steam room in the South west corner. The 5" mps line connects to a high/low pressure reducing station where it reduces to 12-15 psig low pressure steam (lps). Once reduced in pressure, the steam supplies a 6" lps header equipped with multiple supply taps serving the heating hot water heat exchanger located within the steam service room, the domestic water heater located in the adjacent mechanical space, and the kitchen equipment located on the floor above. A duplex condensate receiver, housed within the steam service room, serves as the central collection point for all steam condensate utilized within the building. Once collected, the duplex receiver pumps the condensate back to the campus power plant. The heating hot water generated in the steam-to-hot water heat exchanger is circulated through two sets of circulator pumps – one set of pumps (rated at 2-hp) serving the perimeter radiation system and one set of pumps (rated at 10-hp) serving the pre-heat and reheat coils located within the supply air ductwork.

An additional "summer" steam boiler, condensate receiver, and surge tank is housed in a separate boiler room within the building. The "summer" boiler serves as a back-up heat source for the building during periods when the main campus power plant is shut down for annual maintenance or as needed during emergency steam back-up conditions.

The main steam pressure reducing station, condensate receiver, steam-to-hot water heat exchanger, hot water circulating pumps, distribution piping (steam, condensate and hot water), and valves appear to be original to the building (constructed in the mid 1960's). Based on the American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE) recommendations (reference ASHRAE 2011 HVAC Applications Chapter 37), the existing equipment has exceeded its estimated service life. With the added load resulting from the proposed fitness center expansion and the expectations that the building systems shall be capable of efficient operations for the next 20+ years,

it is CHA's recommendation that the central heating equipment, aside from the summer/back-up boiler system, be replaced with new. Although the summer boiler and related components are approximately 15 years old, they appear to be in good condition due to limited use as back-up/ summer equipment. CHA proposes the following systems:

- New pressure reducing station consisting of a 1/3 and a 2/3 pressure reducing valves
- New duplex condensate receiver
- New steam-to-hot water heat exchanger sized for the fitness addition and the new programmed space load.
- New heating hot water circulating pumps
    - Two (2) 2 or 3-hp radiation pumps (with variable frequency drives)
    - Two (2) 10 or 15-hp preheat/reheat coil pumps (with variable frequency drives)
- Replacement of existing shut-off valves and accessories on the steam, condensate and heating hot water piping systems.
- Replace existing steam, condensate and heating hot water piping based on the following conditions:
    - Increased load due to fitness center addition and space programming.
    - Condition of existing piping. Test the existing steam, condensate, and hot water piping for existing wall thickness/condition.

Space cooling within the Littlepage building is provided by a 115 ton water-cooled chiller located in the steam room. The installation date for the chiller was unknown; however it appears to have been installed between 2000 and 2005 and is to be in good condition. A forced draft cooling tower, interconnected with the chiller, is located in the lower level fan room and draws/exhausts air from a roof mounted penthouse. Although installed indoors and protected from the weather, the cooling tower appears to be original to the building and shows sign of significant wear. Chilled water pumps (rated at 15-hp) and condenser water pumps (rated at 20-hp) are located in the steam room and also appear to be original to the building. Each pumping system (chilled water and condenser water) is provided with a back-up pump each sized for full system flow. Aside from the 115 ton chiller, the remaining chilled water equipment has exceeded its estimated service life. CHA recommends the existing equipment be replaced with the following new systems:

- New forced-draft cooling tower with variable frequency drives. Tower will be located in the fan room (ducted to the roof) or will be located directly on the roof. Actual location will be dependent on the school's preference and available space in the existing mechanical room.
- New condenser water pumps
    - Two 20-hp pumps
- New chilled water pumps
    - Two 15-hp pumps (with variable frequency drives)

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- Replacement of existing shut-off valves and accessories within the chilled water and condenser water systems
- Replace existing chilled water and condenser water piping based on the following conditions:
    - Condition of existing piping. Test the existing chilled water and condenser water piping for existing wall thickness/condition.
    - Increased load due to fitness center addition and space programming.
    - The decision is made to condition/cool the kitchen make-up air and chilled water is the source for cooling medium.
- Existing chiller to remain unless the following conditions occur:
    - Increased load from the fitness center exceeds chiller capacity
    - The decision is made to condition/cool the kitchen make-up air and chilled water is the source for cooling medium.
    - Water is the source for cooling medium.

Domestic water is supplied to the Littlepage building by a 3" domestic water service. The water service has a water meter installed, but does not have any means of backflow prevention. Domestic hot water is generated within a storage tank equipped with a steam tube bundle. The age and condition of the tank and tube bundle was unknown at the time of the site visit. The domestic hot/cold distribution piping and sanitary/vent system appeared to be original to the building, aside from various portions of the systems that have been modified over the years. After discussion with facility personnel, the existing sanitary and vent system appears to be in poor condition and in need of replacement. The domestic hot and cold water system appears to be in fair condition based on its age. CHA recommends the existing systems be replaced with the following new systems

- New domestic steam-to-hot water heat exchanger
- New sanitary drainage piping above ground
- New back flow preventers (two – each sized at ½ flow)
- Provide camera inspection of sanitary piping below ground to determine condition. Replace existing piping in need of repair or as needed by newly programmed space layout.
- Replace portions of existing domestic hot and cold water piping showing signs of wear. Replace cold water pipe insulation with vapor barrier compromised.

The existing temperature control system consist of the original pneumatic control system along with pneumatic and electric control upgrades installed on various systems as they were upgraded over the years. A portion of the controls are hard networked back to the main mechanical plant at Lee Hall. Based on discussions with facility personnel, the campus goal is to provide a complete web based automation system for all campus buildings with a backbone based around Carrier or Trane controls.

Based on the age of the existing equipment and the campus goal of achieving a single web based control system for their campus, CHA recommends providing a complete replacement of the existing control system to include the following:

- Single Web base head end (based around Carrier or Trane controls). The system will include an operator work station (computer with monitor, keyboard, etc., a printer, appropriate graphics software) and all required equipment controllers. Controllers will include individual equipment controllers located throughout the building which will be networked such that the equipment can be observed and/or adjusted from the operator work station. Room temperature will be monitored with temperature sensors, which will be interlocked with the appropriate equipment controller to maintain the space temperature. The temperature control system will be used to control all heating, ventilation and air conditioning equipment serving the building, including the steam to hot water heat exchanger and associated pumps, chillers, air handling units, exhaust fans, VAV boxes with reheat coils, circulating pumps, and miscellaneous terminal units.
- Control strategies shall be included:
    - Occupied/ unoccupied scheduling
    - Chilled water reset
    - Hot water reset
    - Discharge air temperature reset
    - Static pressure reset
    - Demand control ventilation (CO2 control)
    - Airflow monitoring
    - Fan speed control
    - Pump speed control

Fitness Center

The Fitness Center is provided heating, ventilation, and air conditioning (HVAC) thru a single 15,000 CFM air handling unit located in the lower level fan room. The unit consists of a supply fan, filter section, a hot water pre-heat coil, a chilled water cooling coil, and a hot water re-heat coil. Ventilation air is supplied through ductwork connecting the air handler to a louvered penthouse on the roof. The unit does not appear to have the ability to provide 100% outside air/100% exhaust air capabilities eliminating the possibility to provide economizer (free) cooling. A network of distribution ductwork supplies conditioned air to the fitness center through ceiling mounted diffusers.

Additional supplemental heat is provided thru perimeter fin tube run immediately in front of the exterior store front glass panels. The air handling unit and its related accessories appear to be original to the building's construction and have exceeded their useful life. The insulation wrapping the ductwork and hot/chilled water piping systems show signs of water damage likely caused by excessive condensate due to voids in the vapor barrier. This had resulted in damage to the insulation

and deterioration to the ductwork and piping systems wrapped by the compromised insulation.

Although the fin tube appears to be original to the building, it looks to be in good condition aside from sections of the enclosure that shows sign of localized damage. CHA recommends removing the existing air handling unit, duct work, and associated systems and replacing them with the following systems:

- New variable air volume (VAV) air handling unit sized for the existing space and the fitness addition. The air handling unit will be provided with a supply fan, return fan, mixing box/economizer section, hot water pre-heat coil, and a chilled water coil. CHA will also investigate the possibility of utilizing some form of exhaust air energy recovery provided sufficient space is available within the existing fan room.
- New shut-off VAV boxes with integral reheat coils.
- New distribution supply and return ductwork and associated accessories (grilles, registers, diffusers, dampers, etc)
- New building automation system for control of the air handling unit, VAV boxes and fin tube (see control section below).
- Replacement of perimeter fin tube enclosures showing signs of wear/damage. Provide electric control valves on the fin tube to provide zone level control thru the building automation system.

Dining Space

The dining space located on the upper level is provided HVAC thru a single air handling unit located in the lower level fan room and an energy recovery unit located on the roof. The air handling unit located within the fan room serves the general occupied space within the dining area through the supply of approximately 30,000 cfm. The units consist of a supply fan, filter section, a hot water pre-heat coil, a chilled water cooling coil, and a hot water re-heat coil. Ventilation air is supplied through ductwork connecting the air handler to a louvered penthouse on the roof. The unit does not appear to have the ability to provide 100% outside air/100% exhaust air capabilities eliminating the possibility to provide economizer (free) cooling. The energy recovery unit is a heating only unit that serves the kitchen hoods located in the center of the dining hall kitchen area. The packaged unit provides approximately 11,200 CFM exhaust and 8,900 CFM supply air to the kitchen space below and appears to be operational. The unit is composed of a supply fan, exhaust fan, outside air filters, face and bypass dampers, and an energy recovery device (the exact components of the energy recovery device were unknown at the time of the site visit). An additional steam face-and-bypass coil is located in the downstream ductwork for additional heat in the supply air stream. The air handling unit located in the fan room, and their related accessories, appear to be original to the building's construction and have exceeded their expected service life. The roof top energy recovery unit was installed in the mid 1980's and has also exceeded its expected service life. CHA recommends removing the units and replacing them with the following systems:

- New variable air volume (VAV) air handling unit sized for the dining hall heating and cooling load. The unit will be provided with a supply fan, return fan, mixing

box/economizer section, hot water pre-heat coil, and a chilled water coil. CHA will also investigate the possibility of utilizing some form of exhaust air energy recovery provided sufficient space is available within the existing fan room.

- New shut-off VAV boxes with integral reheat coils.
- New distribution supply and return ductwork and associated accessories (grilles, registers, diffusers, dampers, etc) including linear slot diffusers run along the exterior perimeter of the dining space.
- New building automation system for control of the air handling unit, VAV boxes and fin tube (see control section below).
- Replacement of perimeter fin tube enclosures showing signs of wear/damage.
- New energy recovery kitchen make-up/exhaust air unit on roof.

Pathfinder Dining Hall

General

The basis of design, as presented below, is a general description of the concepts and systems proposed for the new facility. All equipment will be designed per the following codes:

- Building Code of New York State
- Mechanical Code of New York State
- Plumbing Code of New York State
- Energy Conservation Construction Code of New York State
- Fuel Gas Code of New York State
- Fire Code of New York State

Central Mechanical/Plumbing System

The Pathfinder building is supplied with district stream generated within the campus power plant. The medium pressure steam (mps) is supplied to the building at approximately 50 psig through a 5" mps line that enters the steam room in the northwest corner. The 5" mps line connects to a high/low pressure reducing station where it reduces to 12-15 psig low pressure steam (lps). Once reduced in pressure, the steam supplies a 6" lps header equipped with multiple supply taps serving the heating hot water heat exchanger located within the steam service room, the domestic water heater located in the adjacent mechanical space, and the kitchen equipment located on the floor above. A duplex condensate receiver, housed within the steam service room, serves as the central collection point for all steam condensate utilized within the building. Once collected, the duplex receiver pumps the condensate back to the campus power plant. The heating hot water generated by the steam-to-hot water heat exchanger is circulated through two sets of circulator pumps – one set of pumps (rated at 2-hp) serving the perimeter radiation system and one set of pumps (rated at 10-hp) serving the pre-heat and reheat coils located within the supply air ductwork.

An additional "summer" steam boiler, condensate receiver, and surge tank is housed in a separate boiler room within the building. The "summer" boiler serves as a back-up heat source for the building during periods when the main campus power plant is shut down for annual maintenance or as needed during emergency steam back-up conditions.

The main steam pressure reducing station, condensate receiver, steam-to-hot water heat exchanger, hot water circulating pumps, distribution piping (steam, condensate and hot water), and valves appear to be original to the building (constructed in the mid 1960's). Based on the American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE) recommendations (reference ASHRAE 2011 HVAC Applications Chapter 37), the existing equipment has exceeded its estimated service life. Based on the expectation that the building systems shall be capable of efficient operations for the next 20+ years, it is CHA's recommendation that the central heating equipment, aside from the summer/back-up boiler system, be replaced with new. Although the summer boiler and related components are approximately 15 years old, they appear to be in good condition due to limited use as back-up/summer equipment. The proposed new systems would consist of the following:

- New pressure reducing station consisting of a 1/3 and a 2/3 pressure reducing valves
- New duplex condensate receiver
- New steam-to-hot water heat exchanger sized for the new programmed space layout and associated load.
- New heating hot water circulating pumps
    - Two (2) 2-hp radiation pumps
    - Two (2) 10 hp preheat/reheat coil pumps
- Replacement of existing shut-off valves and accessories on the steam, condensate and heating hot water piping systems.
- Replace existing steam, condensate and heating hot water piping based on the following conditions:
    - Condition of existing piping. Test the existing steam, condensate and hot water piping for existing wall thickness/condition.

Space cooling within the Pathfinder building is provided by a 125 ton water-cooled chiller located in the steam room. The chiller was installed in 2003 and appears to be in good condition. A forced draft cooling tower, interconnected with the chiller, is located in the lower level fan room and draws/exhaust air from a roof mounted penthouse. Although installed indoors and protected from the weather, the cooling tower appears to be original to the building and shows sign of significant wear. Chilled water pumps (rated at 15-hp) and condenser water pumps (rated at 20-hp) are located in the steam room and also appear to be original to the building. Each pumping system (chilled water and condenser water) is provided with a back-up pump each sized for full system flow. Aside from the 125 ton chiller installed in 2005, the remaining chilled water equipment has exceeded its estimated service life. CHA recommends the existing equipment be replaced with the following new systems:

- New forced-draft cooling tower with variable frequency drives. Tower will be located in the fan room (ducted to the roof) or will be located directly on the roof. Actual location will be dependent on the schools preference and available space in the existing mechanical room.
- New condenser water pumps
    - Two 20-hp pumps
- New chilled water pumps
    - Two 15-hp pumps (with variable frequency drives)
- Replacement of existing shut-off valves and accessories within the chilled water and condenser water systems
- Replace existing chilled water and condenser water piping based on the following conditions:
    - Condition of existing piping. Test the existing chilled water and condenser water piping for existing wall thickness/condition.
    - The decision is made to condition/cool the kitchen make-up air and chilled water is the source for cooling medium.
- Existing chiller to remain unless the following conditions occur:
    - The decision is made to condition/cool the kitchen make-up air and chilled water is the source for cooling medium.

Domestic water is supplied to the Pathfinder building by a 3" domestic water service. The water service has a water meter installed, but does not have any means of backflow prevention. Domestic hot water is generated within a storage tank equipped with a steam tube bundle. The age and condition of the tank and tube bundle was unknown at the time of the site visit. In addition to the large storage tank/tube bundle, two small electric water heaters serve the men's and women's locker room in the campus police space. These heaters appear to be fairly new and in good condition. The domestic hot/cold distribution piping and sanitary/vent system appeared to be original to the building, aside from various portions of the systems that have been modified over the years. After discussion with facility personal, the existing sanitary and vent system appears to be in poor condition and in need of replacement. The domestic hot and cold water system appears to be in fair condition based on its age. CHA recommends the existing systems be replaced with the following new systems:

- New domestic steam-to-hot water heat exchanger
- New sanitary drainage piping above ground
- New back flow preventers (two – each sized at ½ flow).
- Provide camera inspection of sanitary piping below ground to determine condition. Replace existing piping in need of repair or as needed by newly programmed space layout.

- Replace portions of existing domestic hot and cold water piping showing signs of wear. Replace cold water pipe insulation with vapor barrier compromised.

The existing temperature control system consists of the original pneumatic control system along with pneumatic and electric control upgrades installed on various systems as they were upgraded over the years. A portion of the controls are hard networked back to the main mechanical plant at Lee Hall. Based on discussions with facility personnel, the campus goal is to provide a complete web based automation system for all campus buildings with a backbone based around Carrier or Trane controls. Based on the age of the existing equipment and the campus goal of achieving a single web based control system for their campus, CHA recommends providing a complete replacement of the existing control system to include the following:

- Single Web base head end (based around Carrier or Trane controls). The system will include an operator work station (computer with monitor, keyboard, etc., a printer, appropriate graphics software) and all required equipment controllers. Controllers will include individual equipment controllers located throughout the building which will be networked such that the equipment can be observed and/or adjusted from the operator work station. Room temperature will be monitored with temperature sensors, which will be interlocked with the appropriate equipment controller to maintain the space temperature. The temperature control system will be used to control all heating, ventilation, and air conditioning equipment serving the building, including the steam to hot water heat exchanger and associated pumps, chillers, air handling units, exhaust fans, VAV boxes with reheat coils, circulating pumps, and miscellaneous terminal units.
- Control strategies shall be included:
    - Occupied/ unoccupied scheduling
    - Chilled water reset
    - Hot water reset
    - Discharge air temperature reset
    - Static pressure reset
    - Demand control ventilation (CO2 control)
    - Airflow monitoring
    - Fan speed control
    - Pump speed control

University Police

The University Police is provided space conditioning thru a single 15,000 CFM air handling unit located in the lower level fan. The unit consists of a supply fan, filter section, a hot water pre-heat coil, a chilled water cooling coil, and a hot water re-heat coil. Ventilation air is supplied through ductwork connecting the air handler to a louvered penthouse on the roof. The unit does not appear to have the ability to provide 100% outside air/100% exhaust air capabilities eliminating the possibility

to provide economizer free) cooling. A network of distribution ductwork supplies conditioned air to the offices and support spaces. Additional supplemental heat is provided thru perimeter fin tube run immediately in front of the exterior store front glass panels. Based on record drawings, the university police space received a minor renovation in 2000 immediately prior to the police occupancy of the space. During this renovation, local non-electrical valves were added to the fin tube to provide local control in each office space. Additionally, the air distribution system received some minor duct modifications and was rebalanced during the renovation. Although the renovations occurred in the recent past, various spaces within the university police space continue to experience various HVAC issues, including excessive noise in the conference room, difficulty maintaining space temperature (both heating in the winter and cooling in the summer), and excessive space relative humidity in the summer. Evidence of excessive space humidity can be seen in the existing drooping ceiling tiles indicative of moisture absorbance. The air handling unit and its related accessories appear to be original to the building's construction and have exceeded their useful life. The insulation wrapping the ductwork and hot/chilled water piping systems show signs of water damage likely caused by excessive condensate due to voids in the vapor barrier. This has resulted in damage to the insulation and deterioration to the ductwork and piping systems wrapped by the compromised insulation.

Although the fin tube appears to be original to the building, it looks to be in good condition aside from sections of the enclosure that shows sign of localized damage. CHA recommends removing the existing air handling unit, duct work, and associated systems and replacing them with the following systems:

- New variable air volume (VAV) air handling unit sized for the current program needs of the campus police space. The air handling unit will be provided with a supply fan, return fan, mixing box/economizer section, hot water pre-heat coil, and a chilled water coil. CHA will also investigate the possibility of utilizing some form of exhaust air energy recovery provided sufficient space is available within the existing fan room.
- New shut-off VAV boxes with integral reheat coils.
- New distribution supply and return ductwork and associated accessories (grilles, registers, diffusers, dampers, etc)
- New building automation system for control of the air handling unit, VAV boxes and fin tube (see control section below).
- Replacement of perimeter fin tube enclosures showing signs of wear/damage. Replace non-electric valves with electric control valves interlocked with the building automation system.

Dining Space

The dining space located on the upper level is provided HVAC thru a single air handling unit located in the lower level fan room and an energy recovery unit located on the roof. The air handling unit located within the fan room serves the general occupied space within the dining area through the supply of approximately 30,000 cfm. The units consist of a supply fan, filter section, a hot water pre-heat coil, a chilled water cooling coil, and a hot water re-heat coil. Ventilation air is supplied

through ductwork connecting the air handler to a louvered penthouse on the roof. The unit does not appear to have the ability to provide 100% outside air/100% exhaust air capabilities eliminating the possibility to provide economizer (free) cooling. The energy recovery unit is a heating only unit that serves the kitchen hoods located in the center of the dining hall kitchen area. The packaged unit provides approximately 11,200 CFM exhaust and 8,900 CFM supply air to the kitchen space below and appears to be operational. The unit is composed of a supply fan, exhaust fan, outside air filters, face and bypass dampers, and an energy recovery device (the exact components of the energy recovery device were unknown at the time of the site visit). An additional steam face-and-bypass coil is located in the downstream ductwork for additional heat in the supply air stream. The air handling unit located in the fan room and their related accessories appear to be original to the building's construction and have exceeded their expected service life. The roof top energy recovery unit was installed in the mid 1980's and has also exceeded its expected service life. CHA recommends removing the units and replacing them with the following systems:

- New variable air volume (VAV) air handling unit sized for the dining hall heating and cooling load. The unit will be provided with a supply fan, return fan, mixing box/economizer section, hot water pre-heat coil, and a chilled water coil. CHA will also investigate the possibility of utilizing some form of exhaust air energy recovery provided sufficient space is available within the existing fan room.
- New shut-off VAV boxes with integral reheat coils.
- New distribution supply and return ductwork and associated accessories (grilles, registers, diffusers, dampers, etc) including linear slot diffusers run along the exterior perimeter of the dining space.
- New building automation system for control of the air handling unit, VAV boxes and fin tube (see control section below).
- Replacement of perimeter fin tube enclosures showing signs of wear/damage.
- New energy recovery kitchen make-up/exhaust air unit on roof.

6. Electrical:

Littlepage Dining Hall

Power distribution and electrical service:

Power to the facility is currently fed from the campus wide 13.2kV medium voltage distribution system. The incoming medium voltage feeders come into the electrical room and terminate in a selector switch which can switch between the feeders from both Oneida Hall and Cayuga Hall. From a selector switch power is fed to a piece of switch gear with a step-down transformer, a main circuit breaker, and distribution section. The medium voltage step-down transformer is a 300kva with 120/208V three phase 4 wire secondary. The low voltage side of the switchgear is rated at 1600A. Circuit breakers in the distribution section of the switchboard feed various distribution panels throughout the facility as well as some mechanical equipment. The small distribution panels located throughout the facility are used to power small mechanical equipment, lighting, and receptacles.

In terms of recommendations, the medium voltage selector switch and the switchgear have been recently replaced and are in excellent condition. The two panels in the fan room have also been recently replaced, and therefore no modifications are required for these panels. However, CHA recommends the following:

- Fitness area, the power panel in the maintenance supply room should be replaced. New circuits should be provided for any new mechanical equipment that is installed.
- Dining Services, the five recessed wall mounted panels in this area should be replaced in kind.

Emergency power:
No emergency power is installed at this site. CHA recommends the following:

- Fitness area, emergency wall packs will be installed for emergency egress lighting.
- Dining Services, emergency wall packs will be installed for emergency egress lighting.

Lighting:
The majority of the lighting throughout the facility is fluorescent. Corridors and office spaces have lay-in grid mount fixtures. In areas with exposed ceilings, industrial style 4' strip fixtures are installed. Some of the mechanical spaces are lit with incandescent lamps. Lighting levels in most spaces were adequate; however, most of the fixtures appeared to be towards the end of their useful life. CHA recommends the following:

- The incandescent lights in the mechanical supply room should be replaced with energy efficient fluorescent strip lights.
- Fitness area, each office area should receive (2) 2'x4' lay-in type fluorescent fixtures. Wall mounted occupancy sensors shall be used to control the lights in these areas. The fitness area should have new 2'x4' lay-in type fluorescent fixtures installed. These fixtures should be controlled by a wall mounted key switch.
- Dining Services, the light fixtures in the kitchen area are still in usable condition and can remain. The lights in the dining area should be replaced. A new lighting layout would need to be determined during detailed design, but 2'x4' or 2'x2' lay-in type fluorescent fixtures along with recessed fluorescent can fixtures would most likely be utilized.

Fire Alarm System:
The fire alarm system within the building is a Simplex system that has been recently upgraded. The main fire alarm control panel is located in the electrical room. Detectors, pull stations, and notification appliances are located throughout the facility and appear to provide the proper required coverage. The fire alarm system devices and head-end equipment are in good condition and can remain in place. However, CHA recommends the following:

- Fitness area, in areas that are reconfigured, fire alarm devices will be removed and saved for reinstallation. Wiring and conduit would need to be extended to the new locations. Additional devices shall be provided as required to provide the proper coverage in the

renovated areas, although this will be of minimal amount. In rooms that remain unchanged, the devices can remain in place.

- Dining Services, in areas that are reconfigured, fire alarm devices will be removed and saved for reinstallation. Wiring and conduit would need to be extended to the new locations. Additional devices shall be provided as required to provide the proper coverage in the renovated areas, although this will be of minimal amount. In areas that remain unchanged, the devices can remain in place.

Telecommunications:
There is an existing communications service entrance located in the main electrical service room. Communication wiring is routed throughout the building to various offices which require telephone and data connections. The existing communication service entering the building can remain in place. However, CHA recommends the following:

- Fitness area, in offices that are reconfigured, new data/telephone outlets would be installed with new Cat 6 wiring running back to the service entrance in the transformer room. In rooms that remain unchanged, the devices can remain as they currently are.
- Dining Services, no new data outlets are required in this area.

Security system:
CHA recommends the following:

- Fitness area, the existing access control system should be expanded to cover all the exterior doors into the fitness center. Additional camera coverage should also be provided to monitor the building entrances as well as select public spaces.
- Dining Services, the existing access control system should be expanded to cover all the exterior doors into the dining area. Additional camera coverage should also be provided to monitor the building entrances and select public spaces.

Pathfinder Dining Hall

Power distribution and electrical service:
Power to the facility is currently fed from the campus wide 13.2kV medium voltage distribution system. The incoming medium voltage feeders come into the electrical room and terminate in a selector switch which can switch between the feeders from both Seneca Hall and Cayuga Hall. From a selector switch power is fed to a piece of switch gear with a step-down transformer, a main circuit breaker, and distribution section. The medium voltage step-down transformer is a 300kva with 120/208V three phase 4 wire secondary. The low voltage side of the switchgear is rated at 1600A. Circuit breakers in the distribution section of the switchboard feed various distribution panels throughout the facility as well as some mechanical equipment. The small distribution panels located throughout the facility are used to power smaller mechanical equipment, lighting, and receptacles. Facility personnel mentioned that motor controllers in the mechanical room are currently powered from a single feeder. In order to work on one controller, power to all controllers must be turned off.

In terms of recommendations, the medium voltage selector switch and the switchgear have been recently replaced and are in excellent condition; therefore, no modifications are required. However, CHA recommends the following:

- University Police, the two power panels in the maintenance supply room and the one power panel in the transformer room should be replaced. Also the eight motor controllers in the mechanical room should be replaced and re-fed from a local panelboard with each motor starter on a dedicated circuit. New circuits should be provided for any new mechanical equipment that is installed.
- Dining Services, the five recessed wall mounted panels in this area should be replaced in kind.

Emergency power:

An emergency generator has been installed in the room adjacent to the electrical room. The generator was not operational at the time of our site visit. It was stated by the facility personnel that it is in the process of being installed to back-up the University Police. The generator is rated 40kw and has an output voltage of 120/240V single phase. CHA recommends the following:

- University Police, the existing generator will be reused to power all life safety loads in this area of the building (emergency lights, fire alarm etc.) An additional transfer switch and power panel will need to be installed to power these loads.
- Dining Services, the existing generator will be reused to power the emergency egress lights in this area of the building. The same transfer switch and power panel mentioned above can be used to power these loads.

Lighting:

The majority of the lighting throughout the facility is fluorescent. Corridors and office spaces have lay-in grid mount fixtures. In areas with exposed ceilings, industrial style 4' strip fixtures are installed. Some of the mechanical spaces are lit with incandescent lamps. Lighting levels in most spaces were adequate; however most of the fixtures appeared to be towards the end of their useful life. CHA recommends the following:

- The incandescent lights in the mechanical supply room should be replaced with energy efficient fluorescent strip lights.
- University Police, each office area should receive (2) 2'x4' lay-in type fluorescent fixtures. Wall mounted occupancy sensors shall be used to control the lights in these areas. In the corridors 2'x4' lay-in type fluorescent fixtures shall be installed 10' on center. The fixtures in the corridor shall be controlled by ceiling mounted occupancy sensors.
- Dining Services, the light fixtures in the kitchen area are still in usable condition and can remain. The lights in the dining area should be replaced. A new lighting layout would need to be determined during detailed design but 2'x4' or 2'x2' lay-in type fluorescent fixtures along with recessed fluorescent can fixtures would most likely be utilized.

REHABILITATION OF & ADDITION TO GLIMMERGLASS FITNESS CENTER & EXTERIOR BUILDING SHELL IMPROVEMENTS AT LITTLEPAGE AND PATHFINDER DINING HALLS
STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
DASNY PROJECT JDE # 299390
FAA PROJECT # 11024.06

Fire Alarm System:
The fire alarm system within the building is a Simplex system that has been recently upgraded. The main fire alarm control panel is located in the electrical room. Detectors, pull stations, and notification appliances are located throughout the facility and appear to provide the proper required coverage. The fire alarm system devices and head-end equipment are in good conditions and can remain in place. However, CHA recommends the following:

- University Police, in rooms that are reconfigured, fire alarm devices will be removed and saved for reinstallation. Wiring and conduit would need to be extended to the new locations. Additional devices shall be provided as required to provide the proper coverage in the renovated areas, although this will be of minimal amount. In rooms that remain unchanged, the devices can remain in place.
- Dining Services, in areas that are reconfigured, fire alarm devices will be removed and saved for reinstallation. Wiring and conduit would need to be extended to the new locations. Additional devices shall be provided as required to provide the proper coverage in the renovated areas, although this will be of minimal amount. In areas that remain unchanged, the devices can remain in place.

Telecommunications:
There is an existing communications service entrance located in the main electrical service room. Communication wiring is routed throughout the building to various offices which require telephone and data connections. The existing communication service entering the building can remain in place. However, CHA recommends the following:

- University Police, in rooms/offices that are reconfigured, new data/telephone outlets would be installed with new Cat 6 wiring running back the service entrance in the transformer room. In rooms that remain unchanged, the devices can remain as they currently are.
- Dining Services, no new data outlets are required in this area.

Security system:
CHA recommends the following:

- University Police, the existing access control system should be expanded to cover all the exterior doors into the police department area. Additional camera coverage should also be provided to monitor the exterior of the building, building entrances, and corridors as well as select public spaces.
- Dining Services, the existing access control system should be expanded to cover all the exterior doors into the dining area. Additional camera coverage should also be provided to monitor the building entrances and select public spaces.

REHABILITATION OF & ADDITION TO GLIMMERGLASS FITNESS CENTER &
EXTERIOR BUILDING SHELL IMPROVEMENTS AT LITTLEPAGE AND PATHFINDER
DINING HALLS
STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
DASNY PROJECT JDE # 299390
FAA PROJECT # 11024.06

2. DRAWINGS

A. EXISTING DRAWINGS:

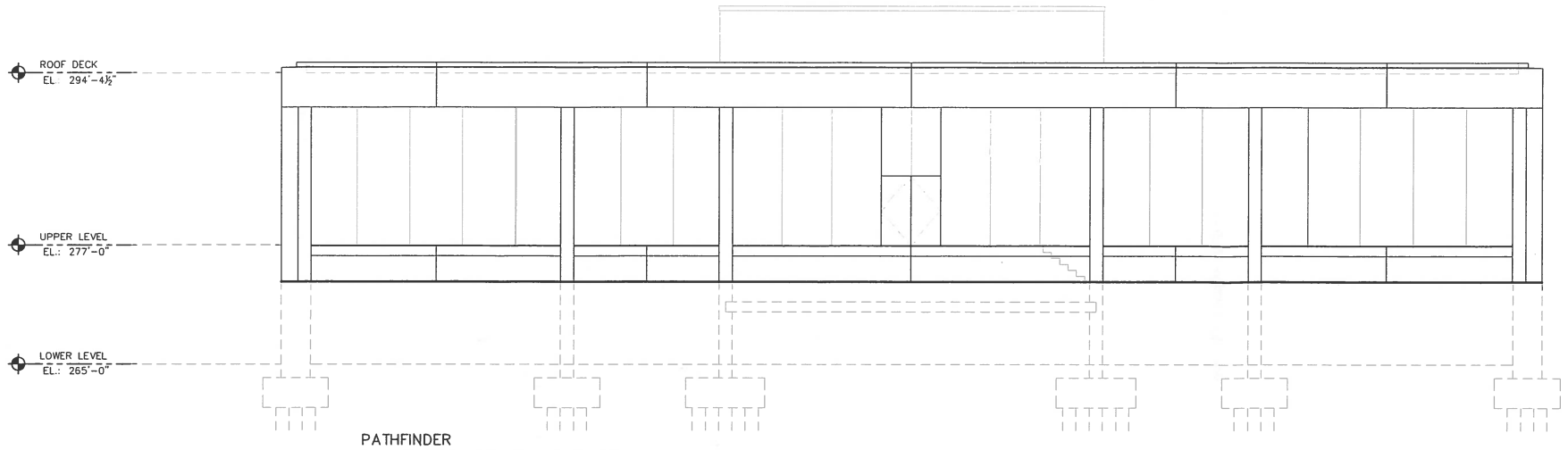
1. Littlepage Dining Hall (EX101, EX102, EX201, EX301, EX302)
2. Pathfinder Dining Hall (EX103, EX104, EX203, EX303, EX304)
3. Connecting Tunnels (EX105, EX106, EX107, EX108)

B. PROPOSED DRAWINGS:

1. Glimmerglass Fitness Center – Lower Level Plan Diagram
2. Campus Police – Lower Level Plan Diagram
3. Glazing Elevations at Littlepage
4. Glazing Elevations at Pathfinder
5. Glazing Strategy – Enlarged Diagram (Pathfinder)

C. ADDITIONAL WINDOW INFORMATION:

1. Example pictures of Frit glazing
2. Example sunshade by EFCO
3. Example sunshade by Kawneer
4. Example picture of canopy



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1 / EX303 NORTH ELEVATION
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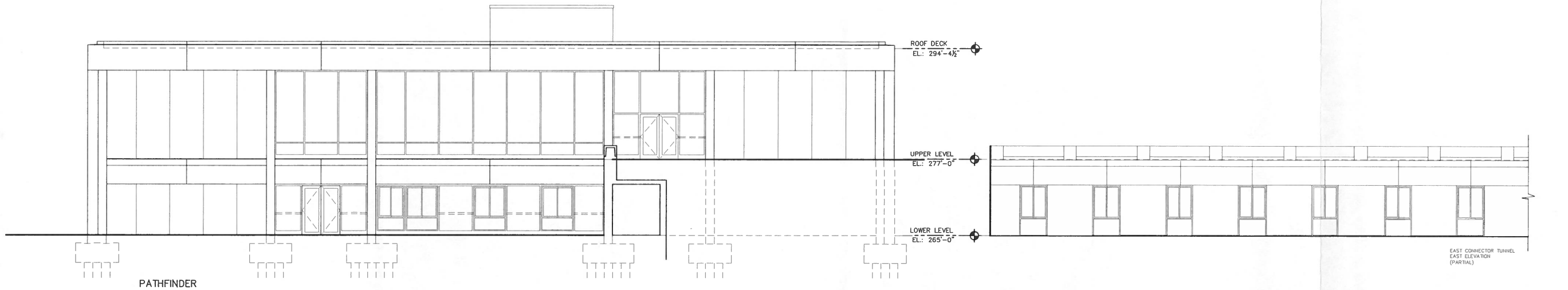

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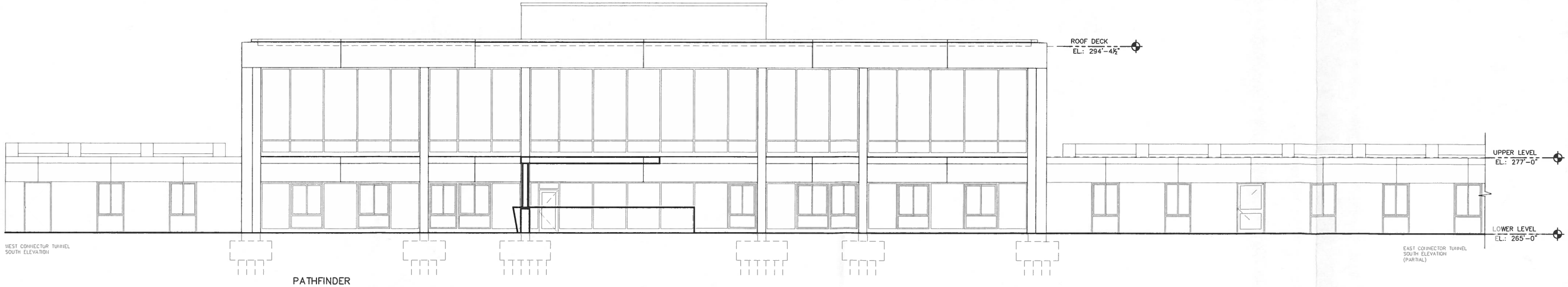

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3 / EX303 SOUTH ELEVATION
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PATHFINDER HALL
EXISTING EXTERIOR ELEVATIONS

SUNY OSWEGO
project
LITTLEPAGE and PATHFINDER HALLS
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11/19/2012	GC
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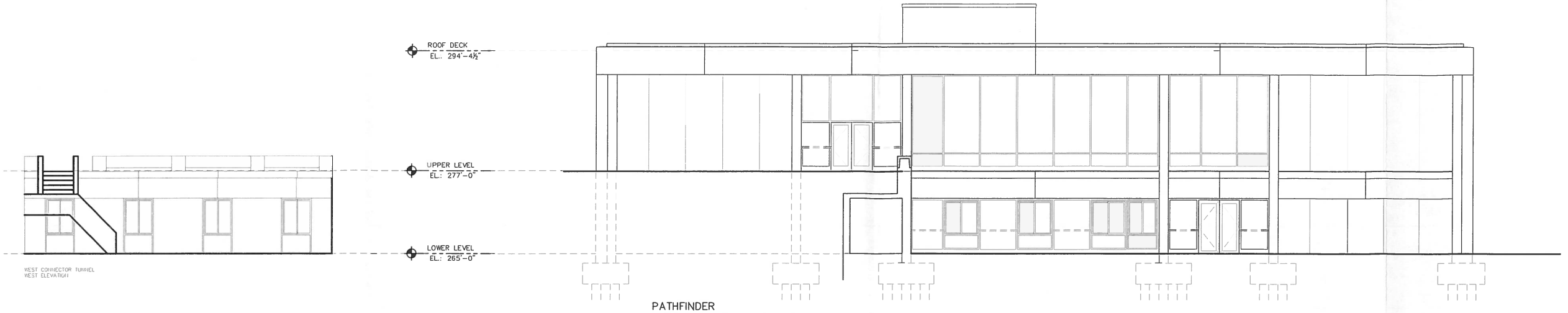

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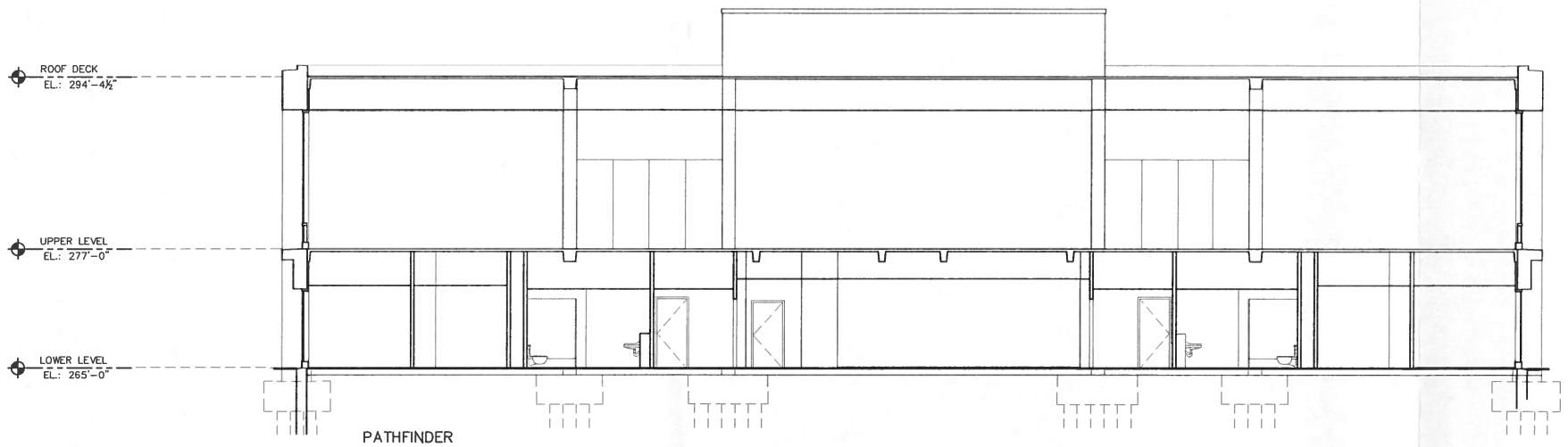

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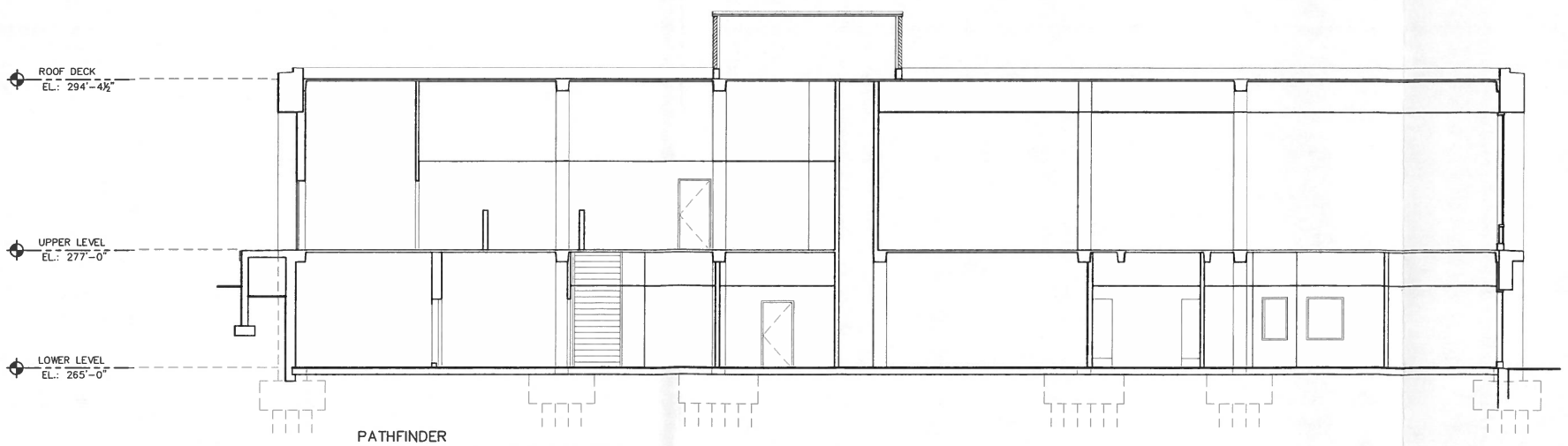

PATHFINDER
BUILDING SECTION
3 / EX304 SCALE: ⅛" = 1'-0"

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PATHFINDER HALL
EXISTING EXTERIOR ELEVATIONS and BUILDING SECTIONS

SUNY OSWEGO
project
LITTLEPAGE and PATHFINDER HALLS
Oswego, New York

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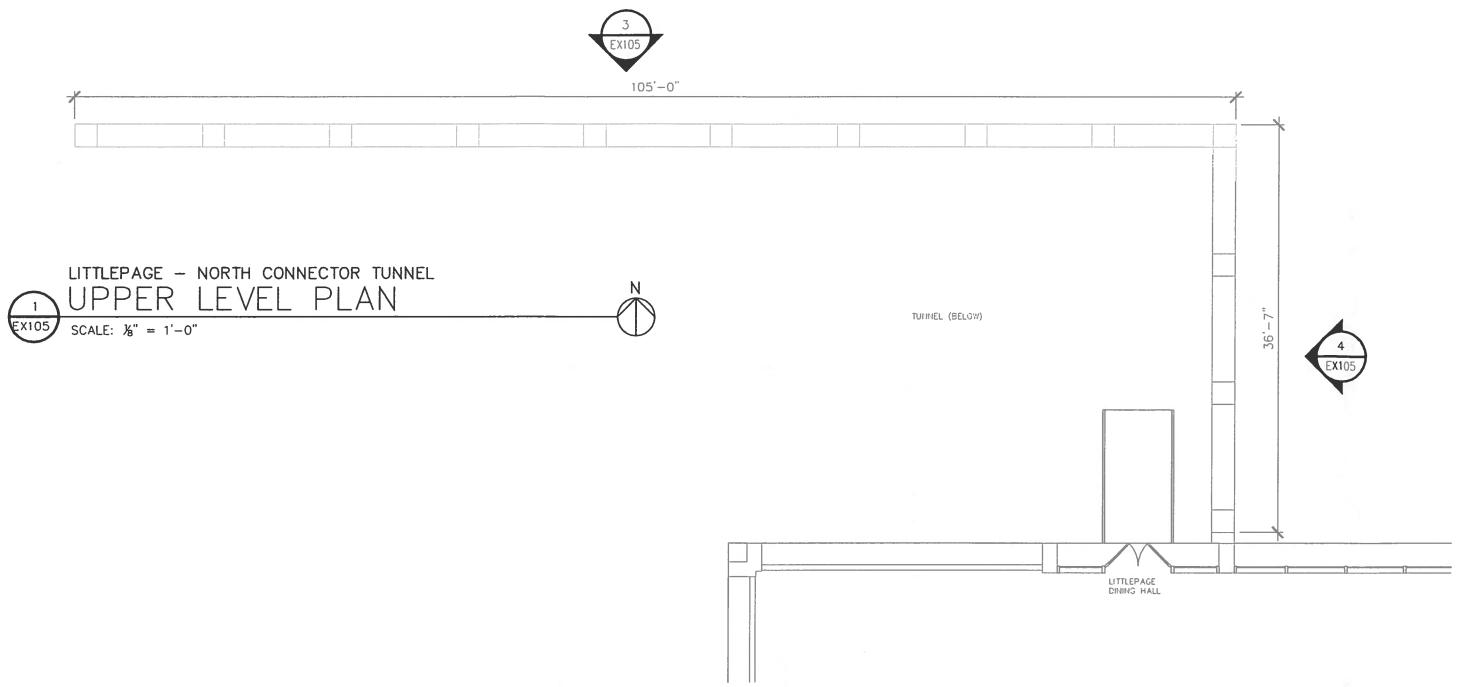
11/19/2012	GC
Drawn By: FGW/JK	Checked By: BB

Project: 11024.06
File Name: 11004.01-EX304

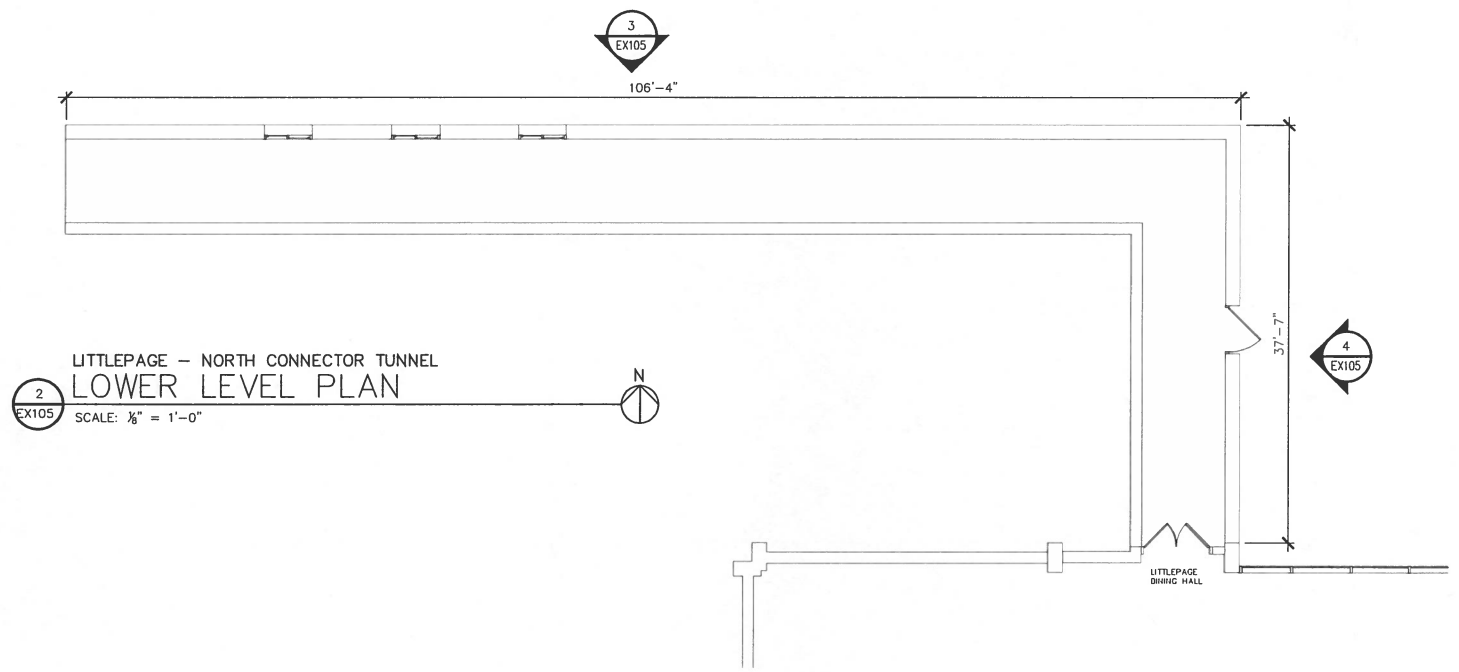
Sheet:
EX304



LITTLEPAGE – NORTH CONNECTOR TUNNEL

1 EX105 UPPER LEVEL PLAN

SCALE: ⅛" = 1'-0"



LITTLEPAGE – NORTH CONNECTOR TUNNEL

2 EX105 LOWER LEVEL PLAN

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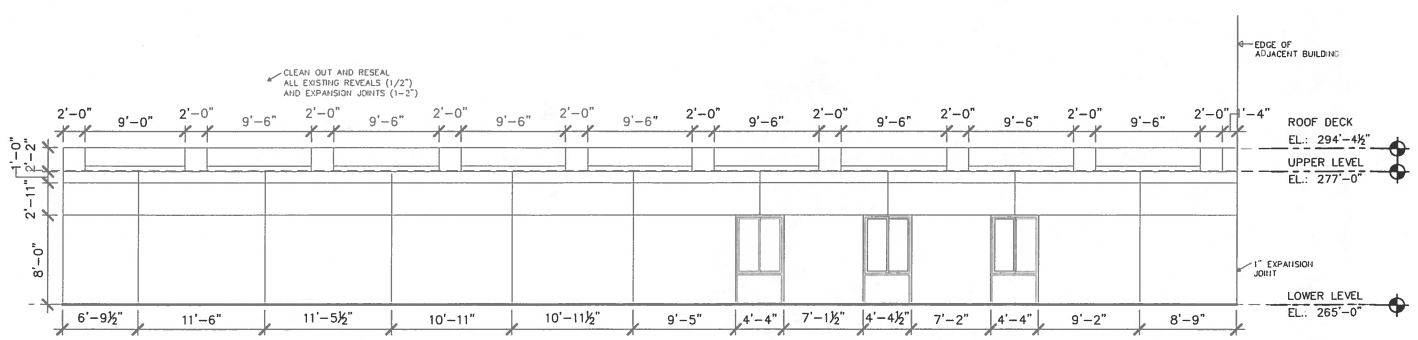

LITTLEPAGE – NORTH CONNECTOR TUNNEL

3 EX105 NORTH ELEVATION

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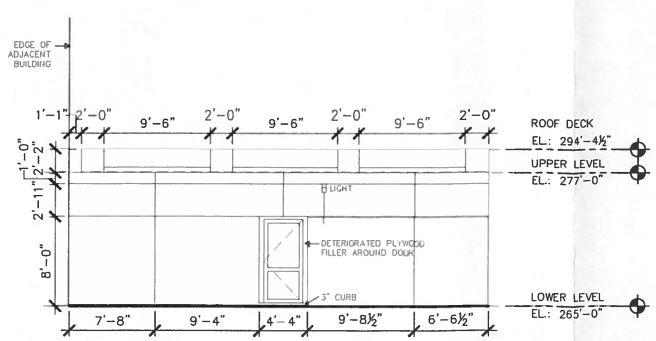

LITTLEPAGE – NORTH CONNECTOR TUNNEL

4 EX105 EAST ELEVATION

SCALE: ⅛" = 1'-0"

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LITTLEPAGE HALL NORTH CONNECTOR TUNNEL
EXISTING PLANS and ELEVATIONS

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LITTLEPAGE and PATHFINDER HALLS
Oswego, New York

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Date:	Project Manager:
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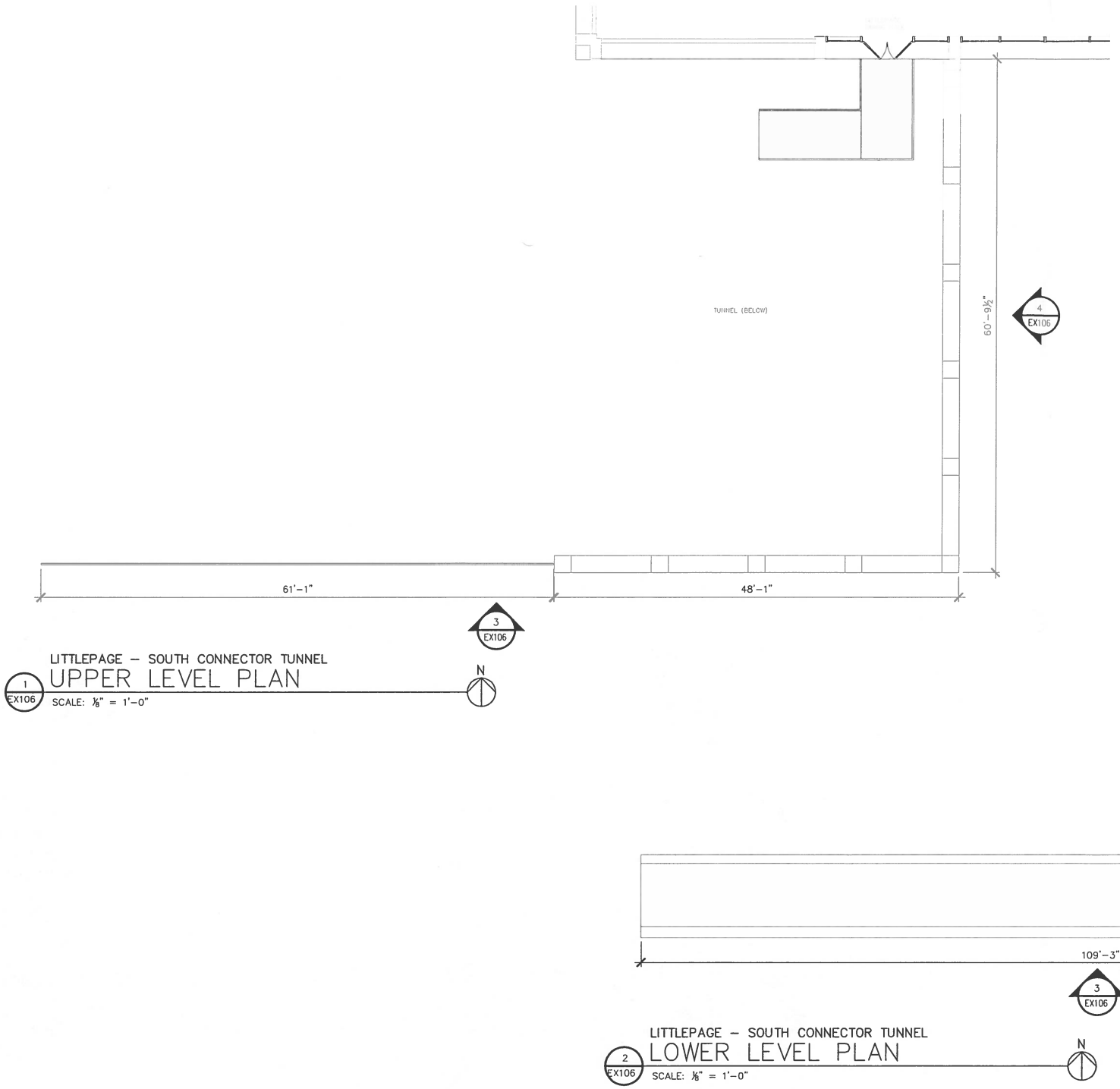
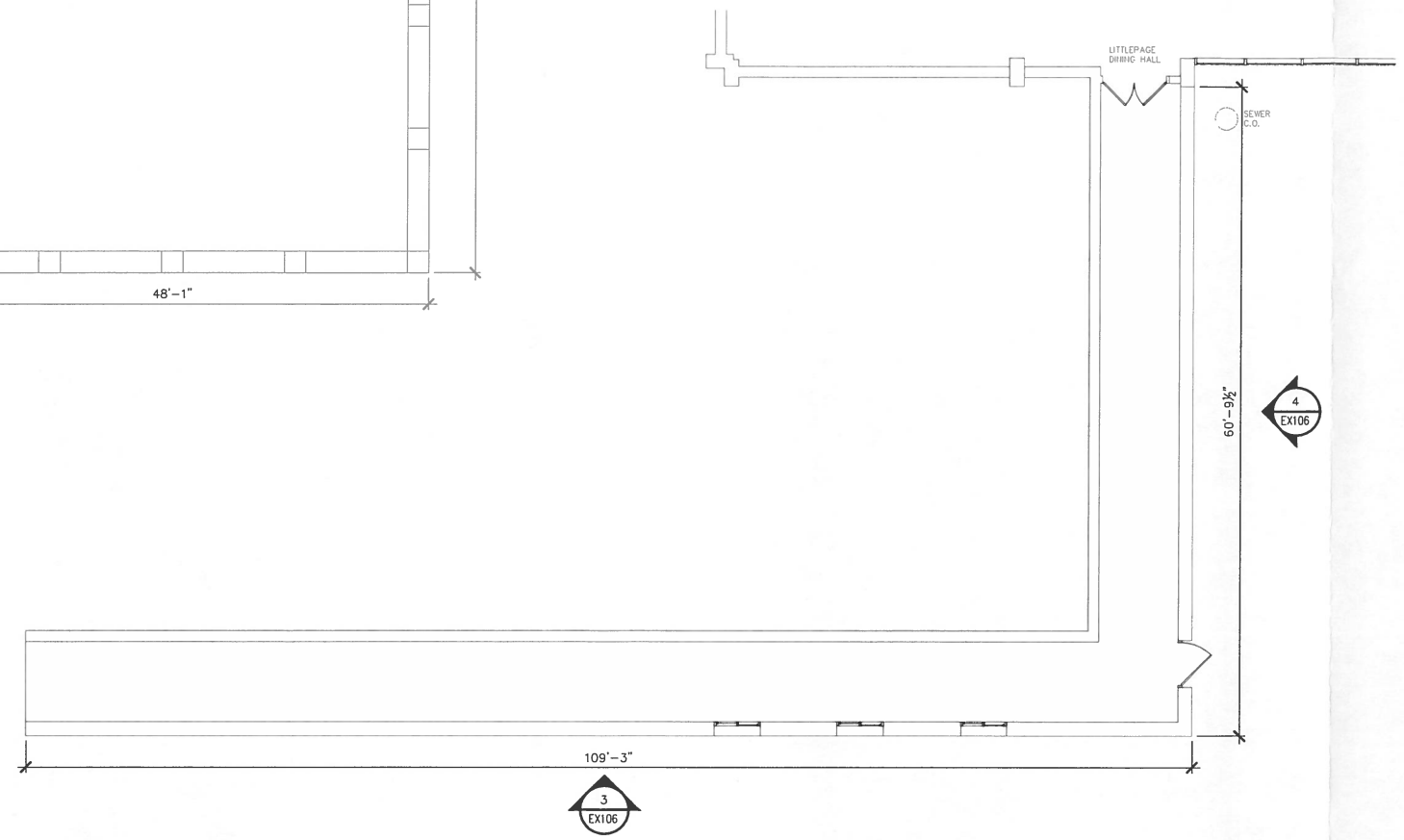
Drawn By: JK	Checked By: BB

Project: 11024.06
File Name: 11024.06-EX104

Sheet: EX105



LITTLEPAGE – SOUTH CONNECTOR TUNNEL
1 EX106 UPPER LEVEL PLAN
SCALE: ⅛" = 1'-0"



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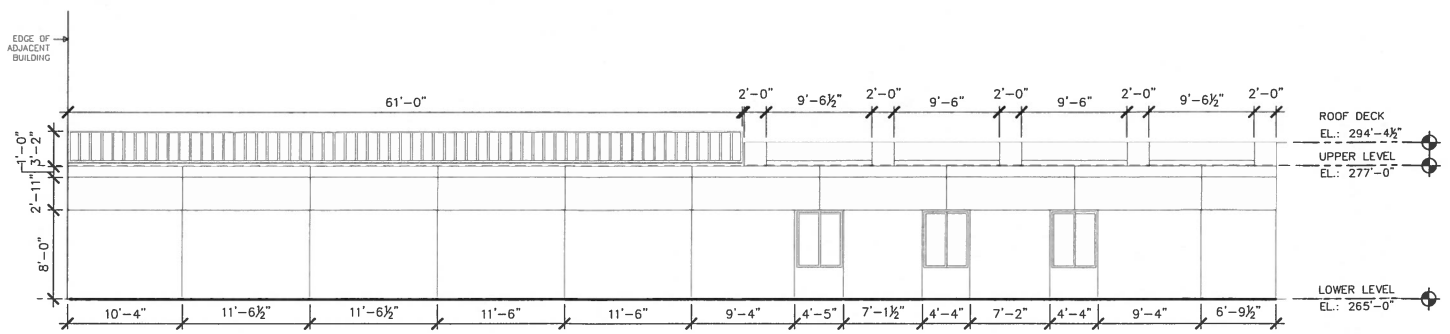
2 EX106 LOWER LEVEL PLAN
SCALE: ⅛" = 1'-0"



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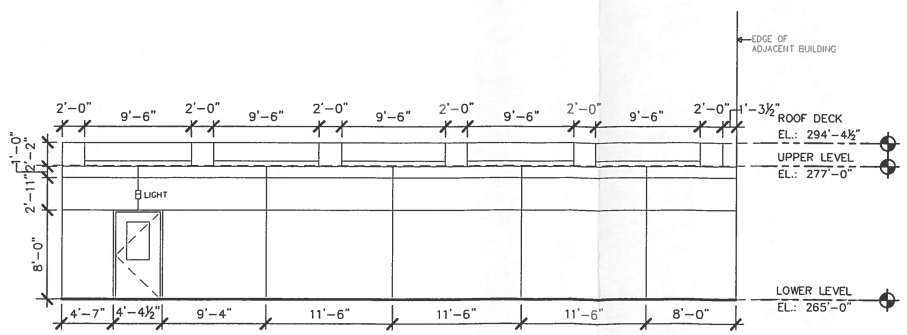
3 EX106 SOUTH ELEVATION
SCALE: ⅛" = 1'-0"



LITTLEPAGE – SOUTH CONNECTOR TUNNEL
4 EX106 EAST ELEVATION
SCALE: ⅛" = 1'-0"

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LITTLEPAGE HALL SOUTH CONNECTOR TUNNEL
EXISTING PLANS and ELEVATIONS

SUNY OSWEGO
project
LITTLEPAGE and PATHFINDER HALLS
Oswego, New York

Seal:

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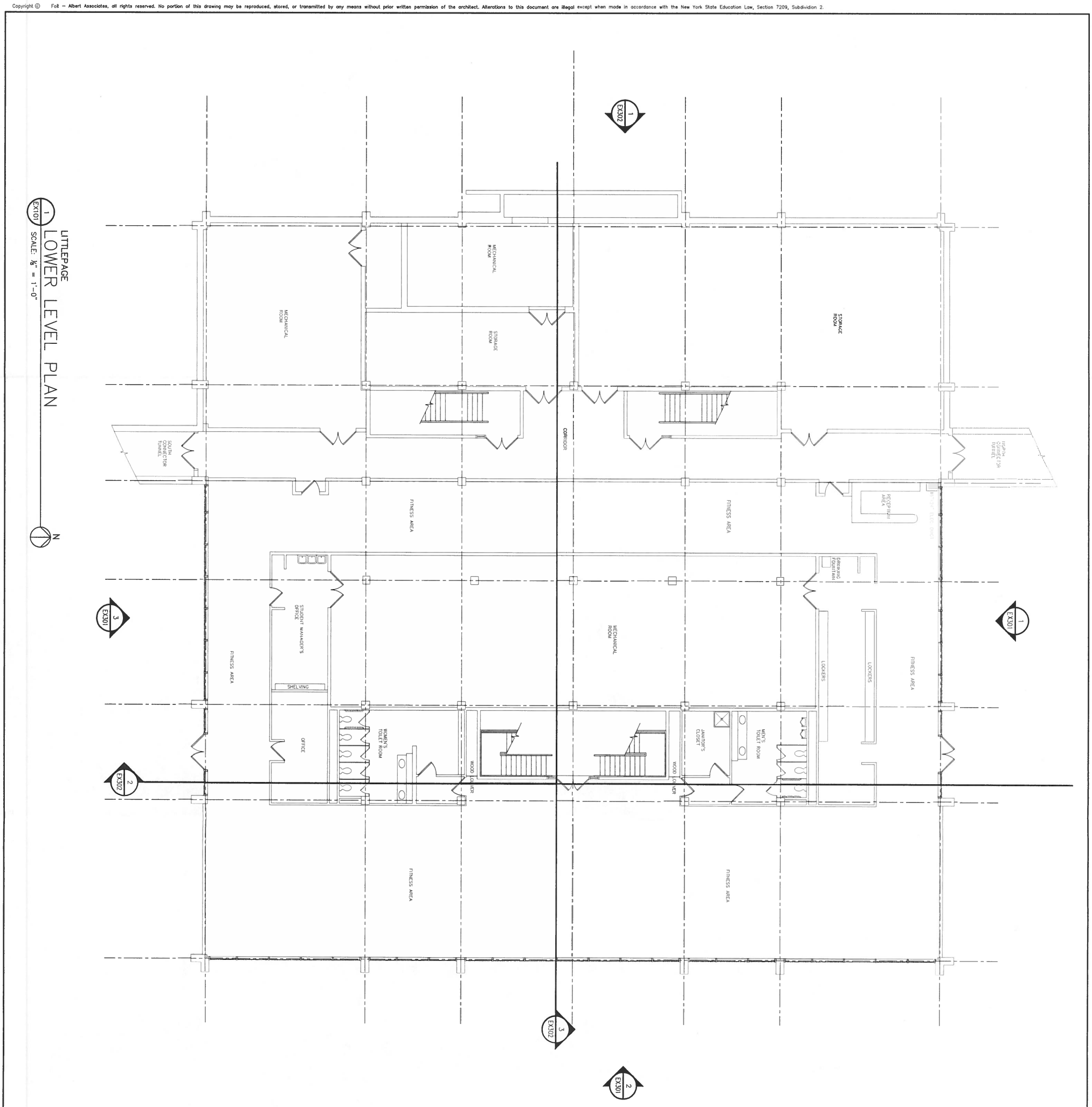
Date:	Project Manager:
11/19/2012	GC
Drawn By: JK	Checked By: BB

Project: 11024.06
File Name: 11024.06-EX104

Sheet: EX106



1 EX101
LITTLEPAGE
LOWER LEVEL PLAN
SCALE: 1/8" = 1'-0"

N

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Seal:

LITTLEPAGE HALL
EXISTING LOWER LEVEL PLAN

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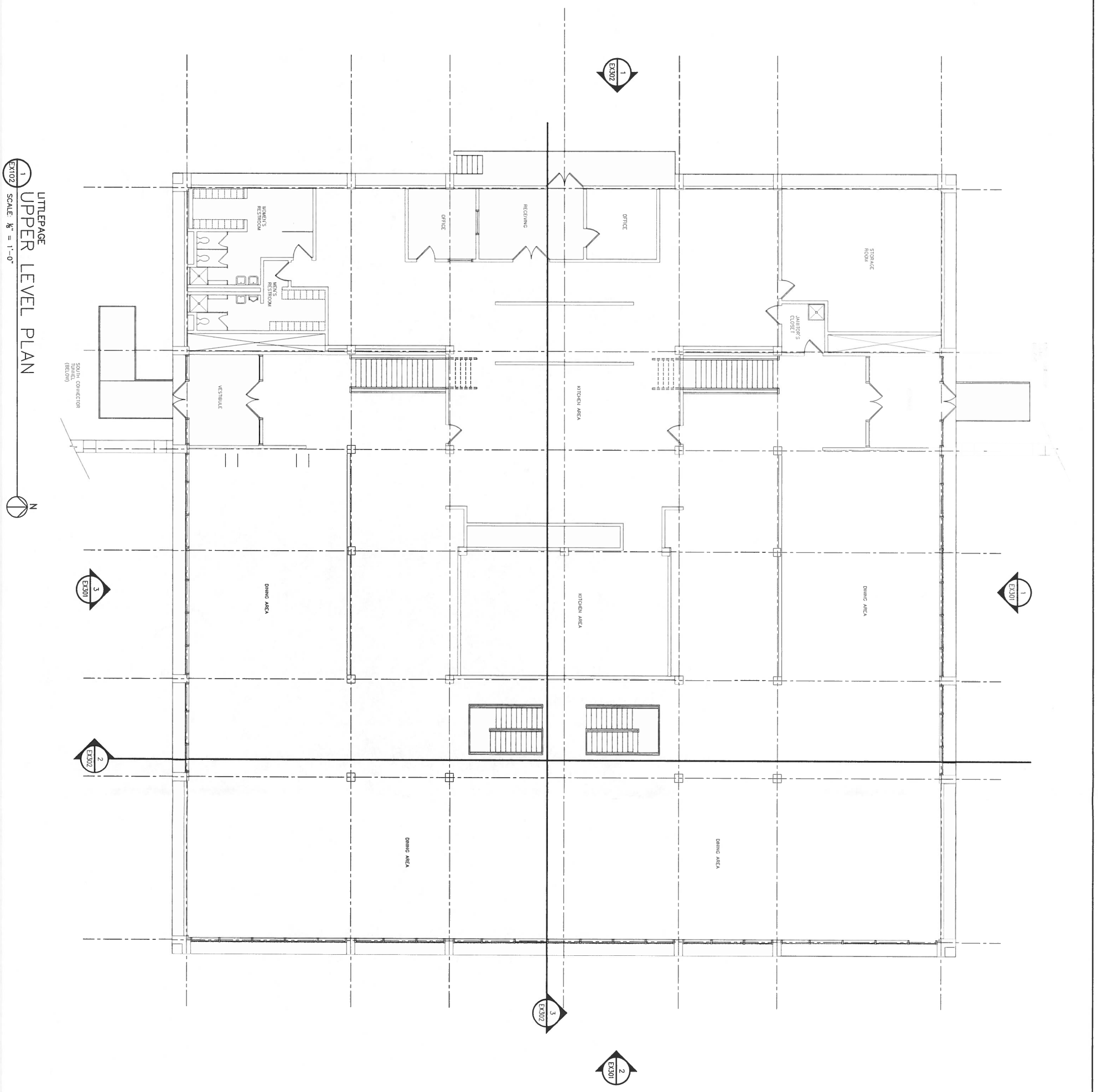
Checked By: BB
Project Manager: GC
Project: 1102406
File Name: 1.1004.01-EX101
Sheet: EX101



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Date: 11/19/2012

Drawn By: FGW/JK

Checked By: BB

Project Manager: GC

Project: 1102406

File Name: 1102401-EX102

Sheet: EX102

LITTLEPAGE HALL
EXISTING UPPER LEVEL PLAN

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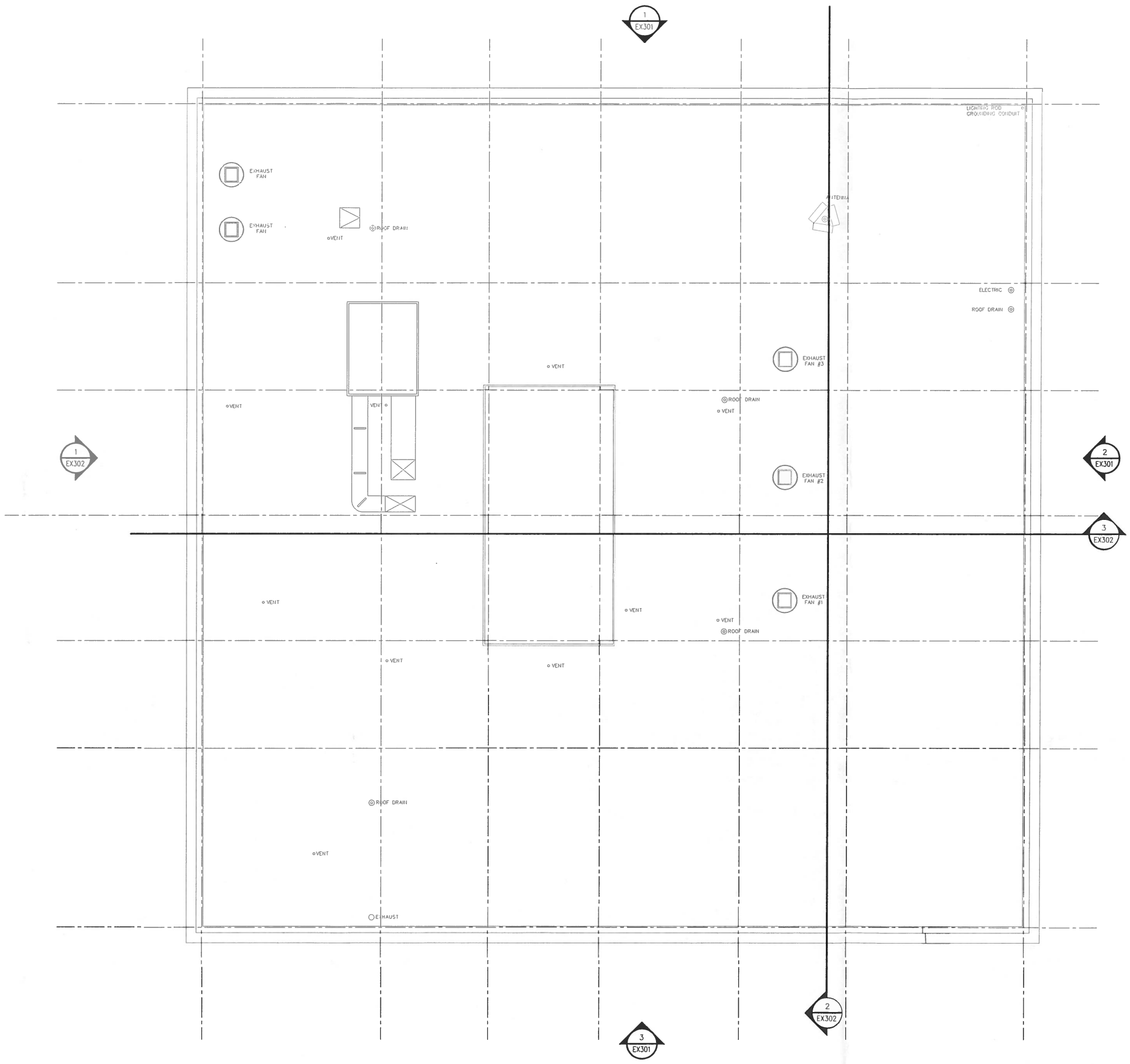

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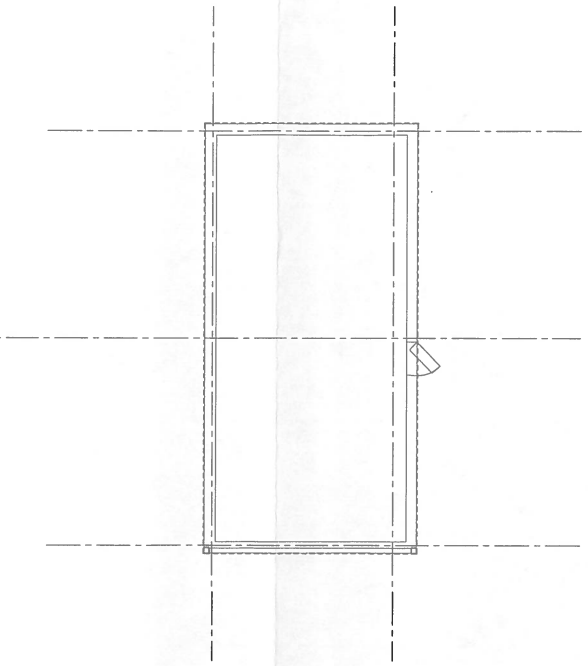
1 EX201 ROOF PLAN
SCALE: ⅛" = 1'-0"



LITTLEPAGE (PENTHOUSE)
2 EX201 FLOOR PLAN
SCALE: ⅛" = 1'-0"

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LITTLEPAGE HALL
EXISTING ROOF PLANS

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11/19/2012	GC
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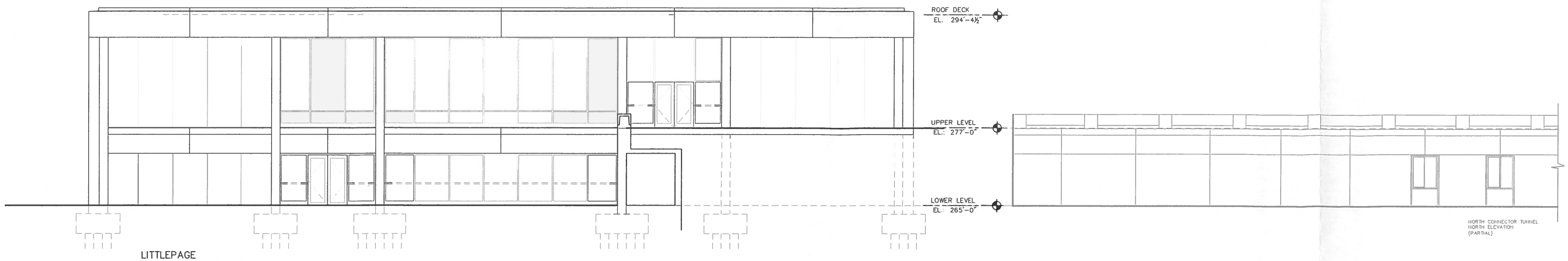
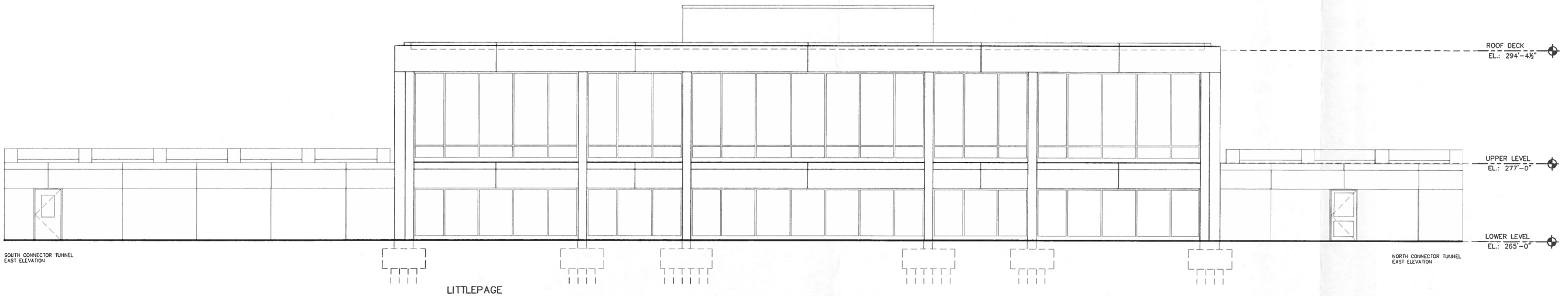
Project: 11024.06
File Name: 11004.01-EX201

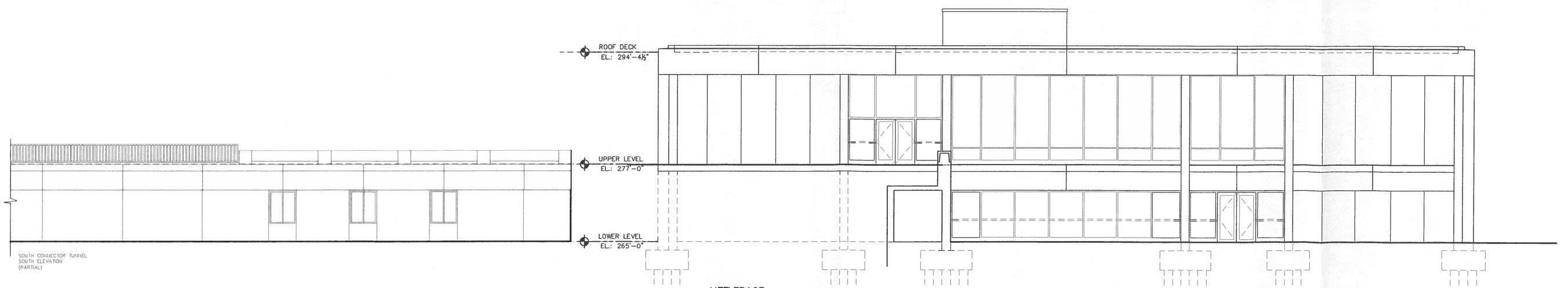
Sheet: EX201



LITTLEPAGE
1 EX301 NORTH ELEVATION
SCALE: ⅛" = 1'-0"



LITTLEPAGE
2 EX301 EAST ELEVATION
SCALE: ⅛" = 1'-0"



LITTLEPAGE
3 EX301 SOUTH ELEVATION
SCALE: ⅛" = 1'-0"

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LITTLEPAGE HALL
EXISTING EXTERIOR ELEVATIONS

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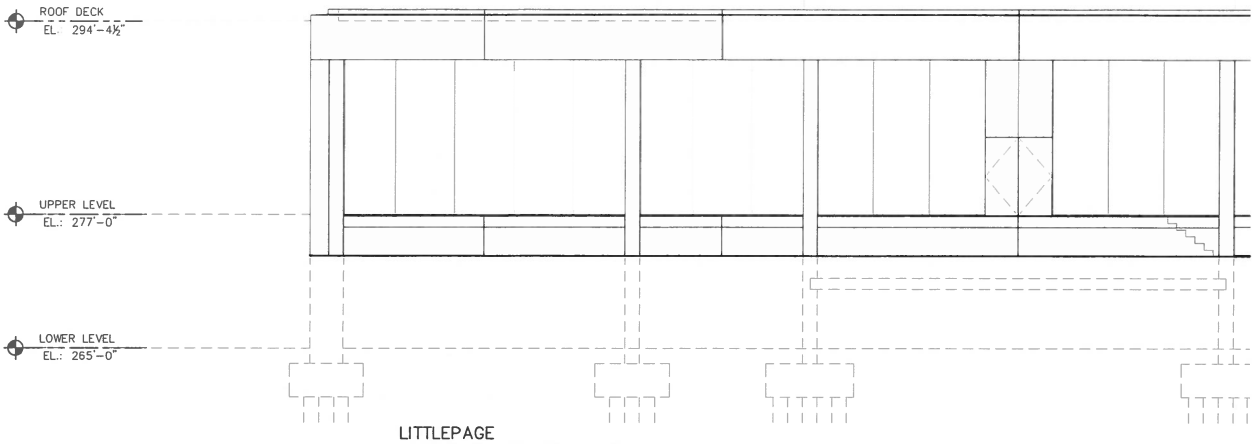
FGW/JK	BB

Project: 11024.06
File Name: 11004.01-EX301

Sheet: EX301



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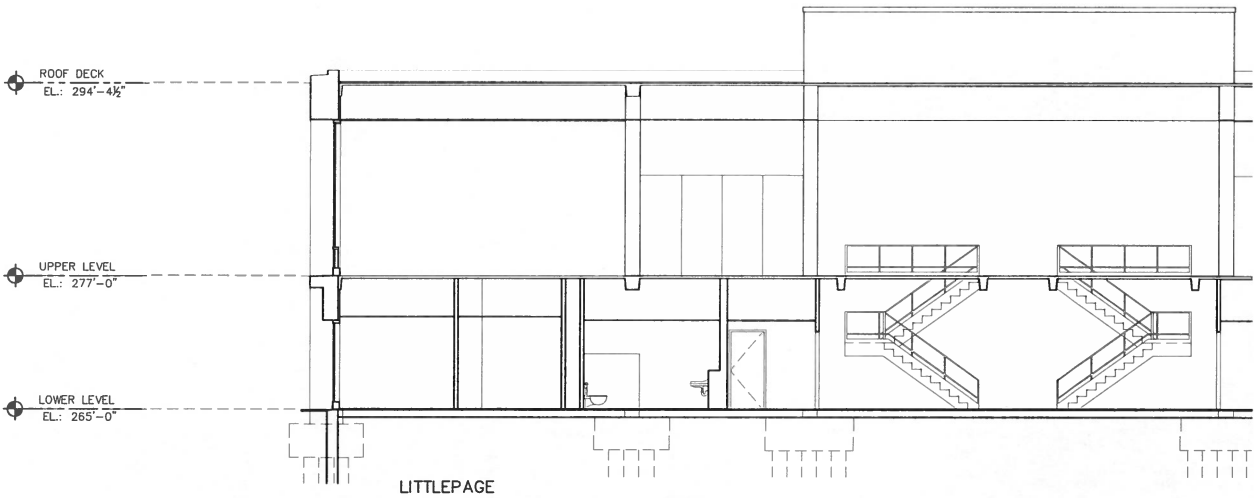
WEST ELEVATION

1 / EX302

SCALE: ⅛" = 1'-0"

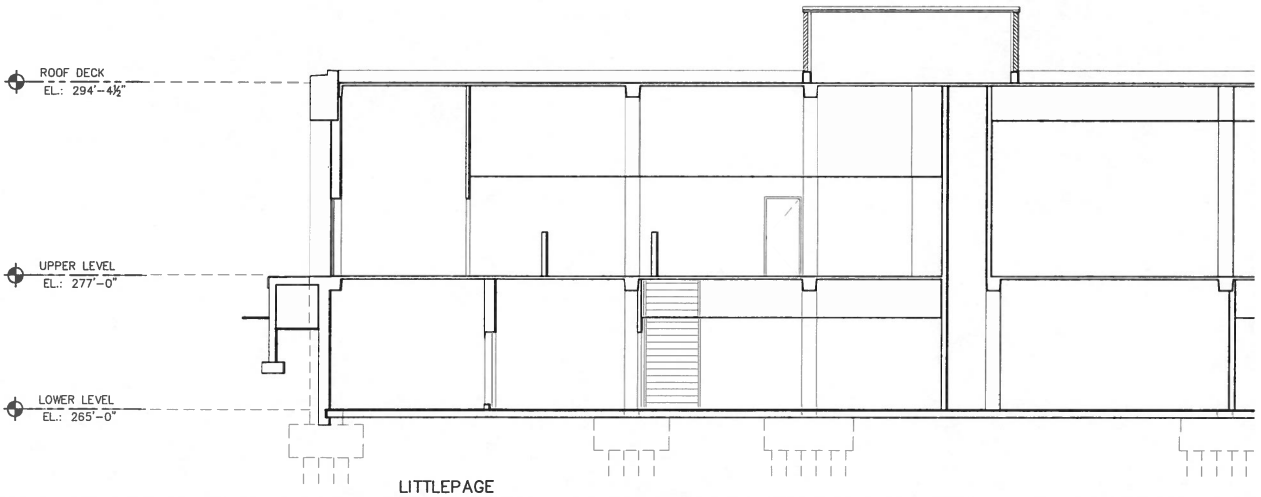


LITTLEPAGE

BUILDING SECTION

2 / EX302

SCALE: ⅛" = 1'-0"

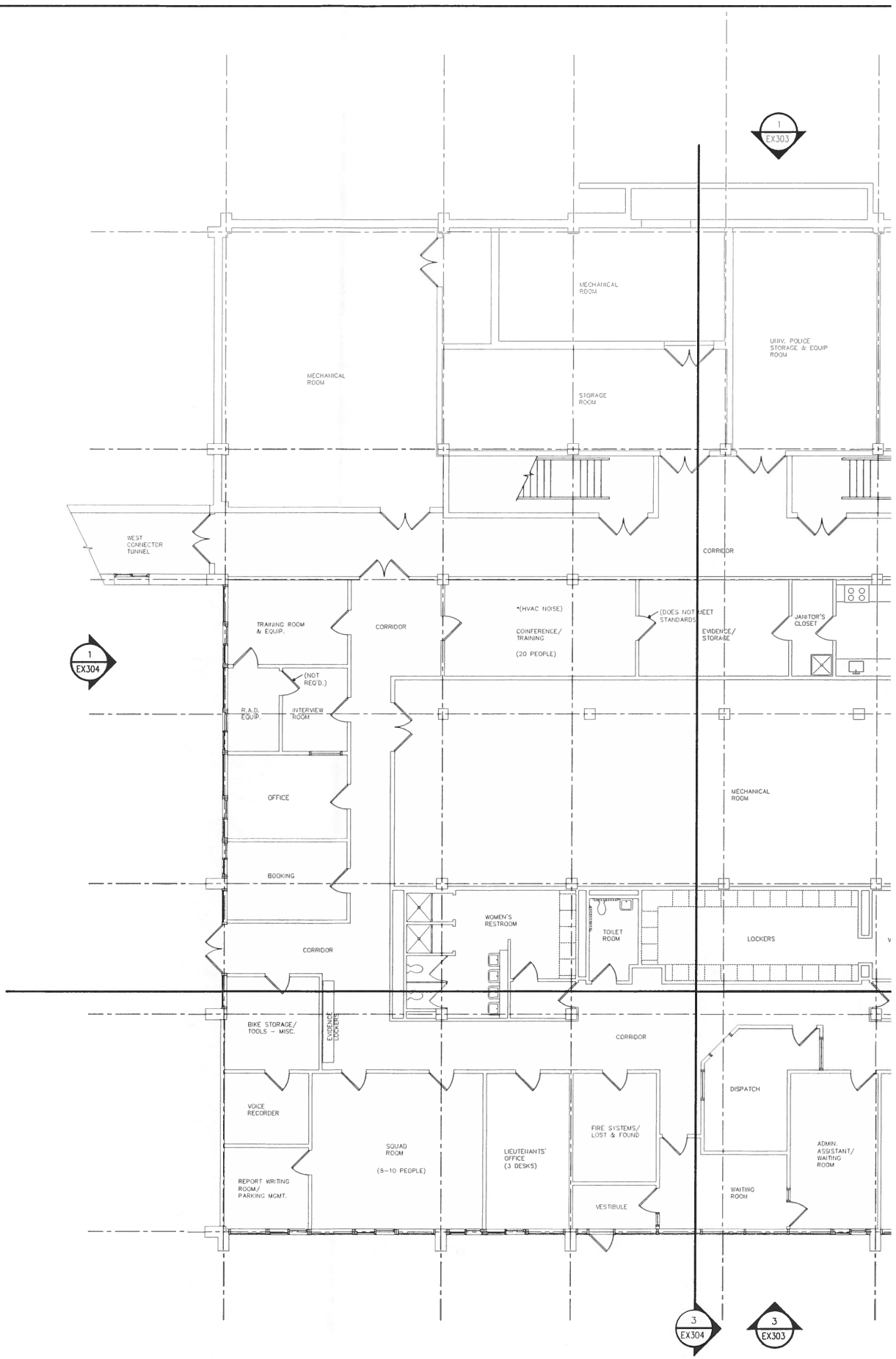


LITTLEPAGE

BUILDING SECTION

3 / EX302

SCALE: ⅛" = 1'-0"



PATHFINDER

LOWER LEVEL PLAN

1 EX103

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

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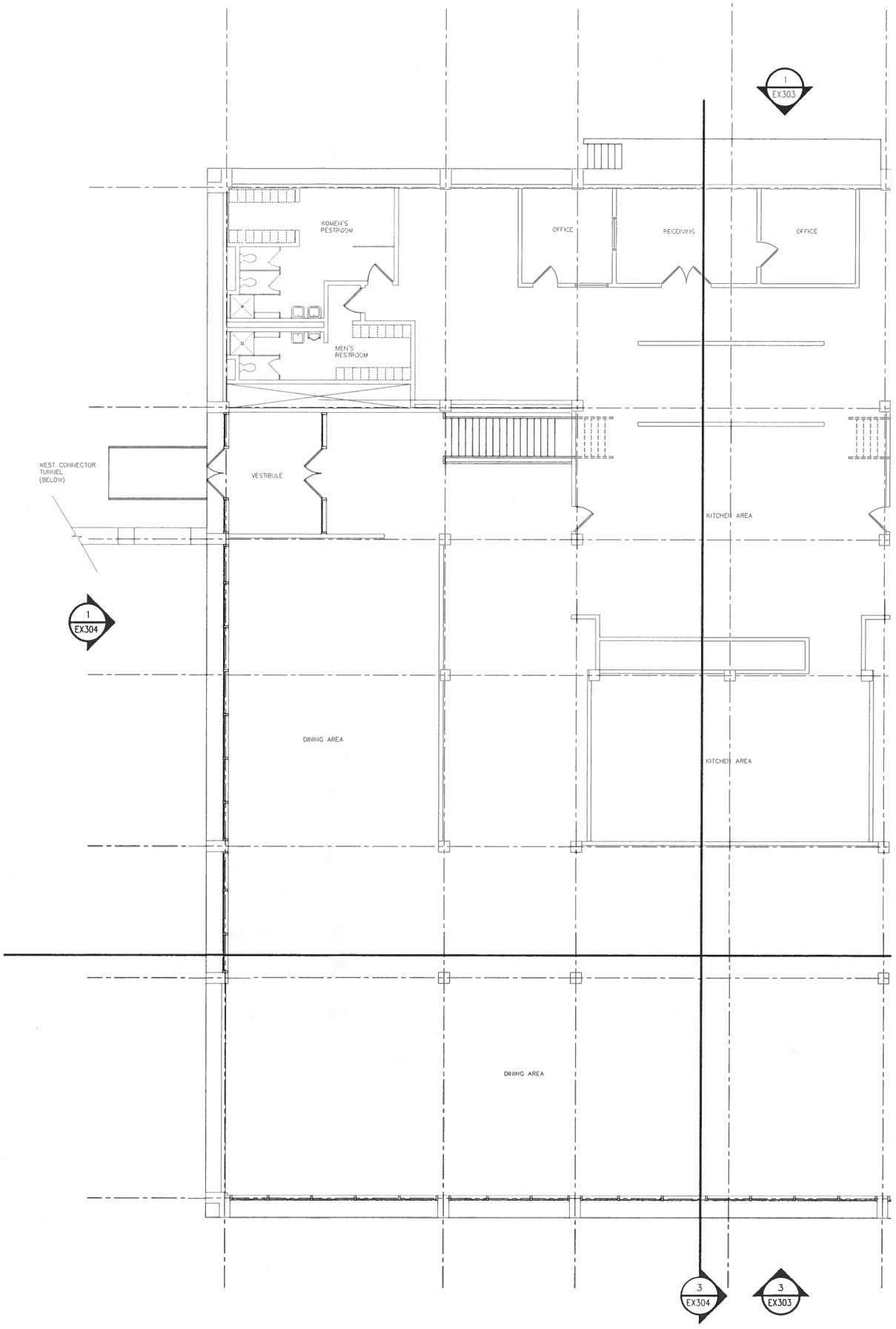

PATHFINDER

1 EX104 UPPER LEVEL PLAN

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

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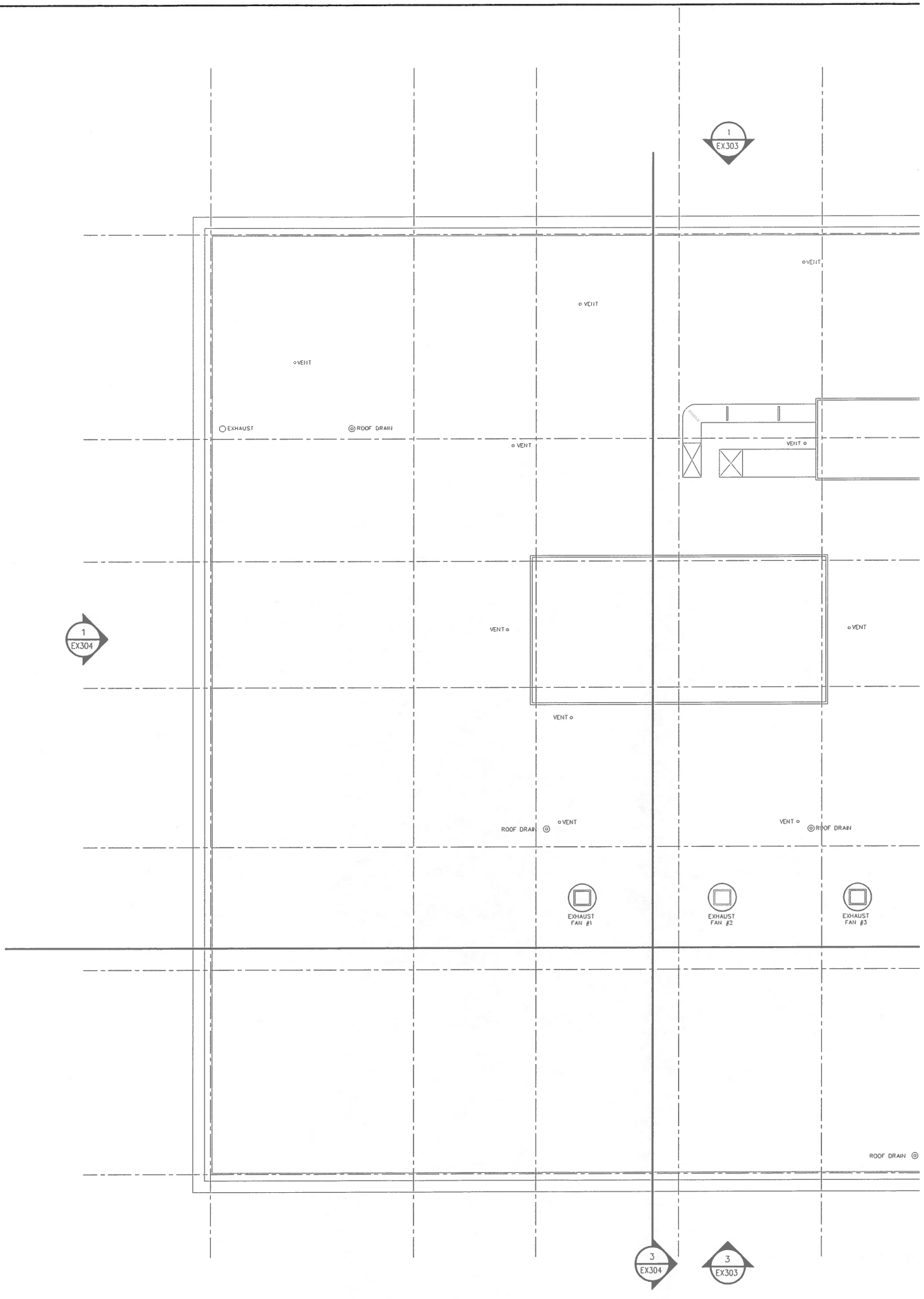


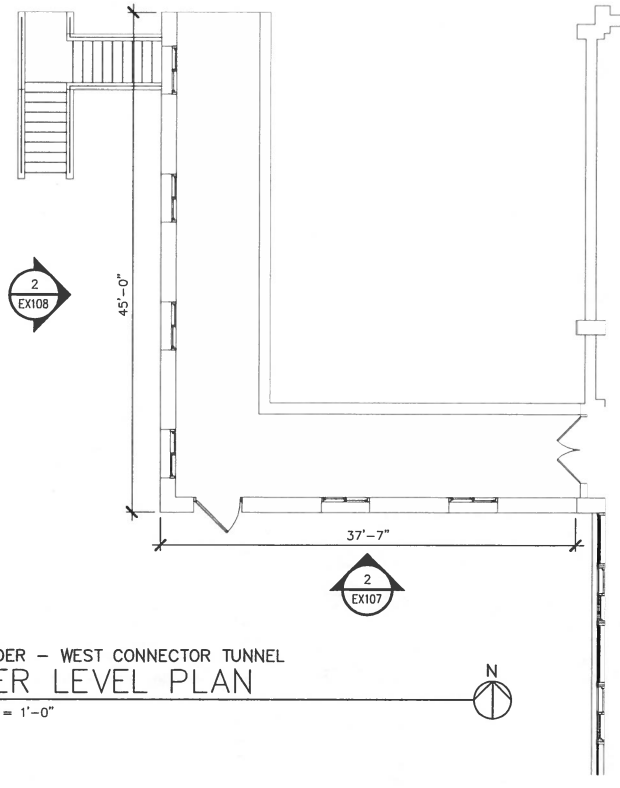
PATHFINDER

ROOF PLAN

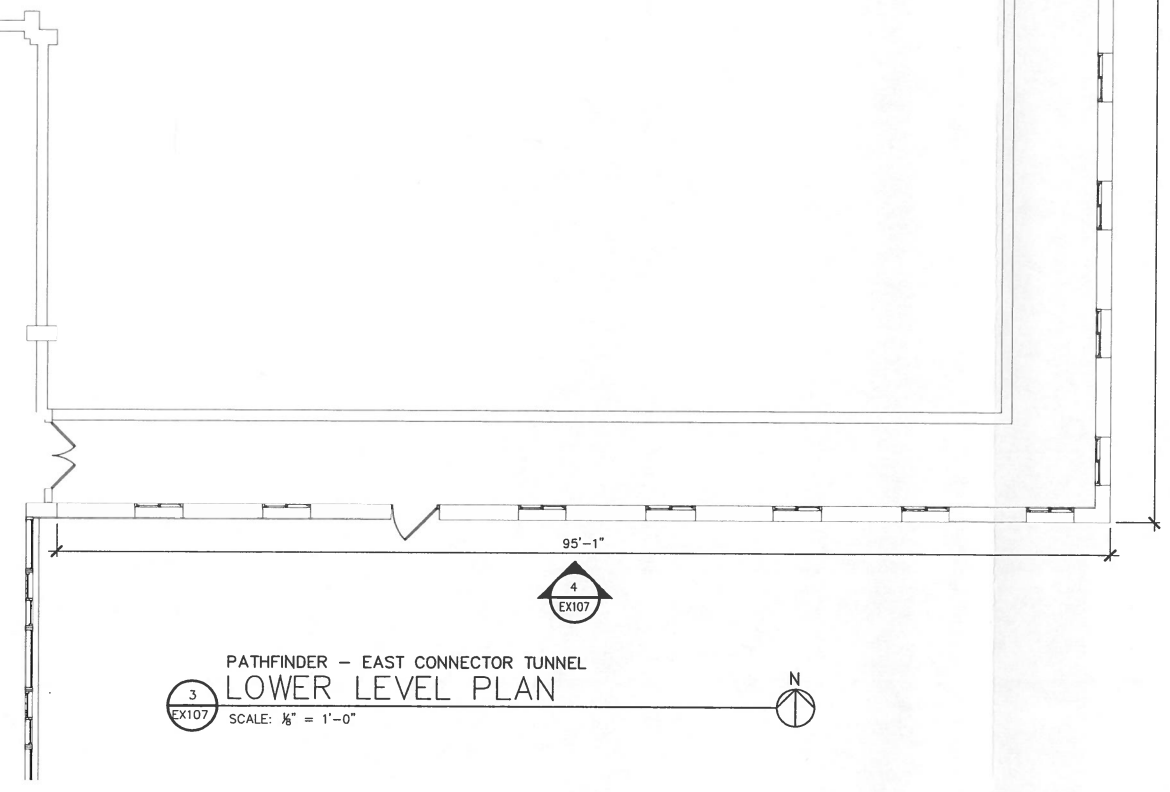
1 EX203

SCALE: ⅛" = 1'-0"

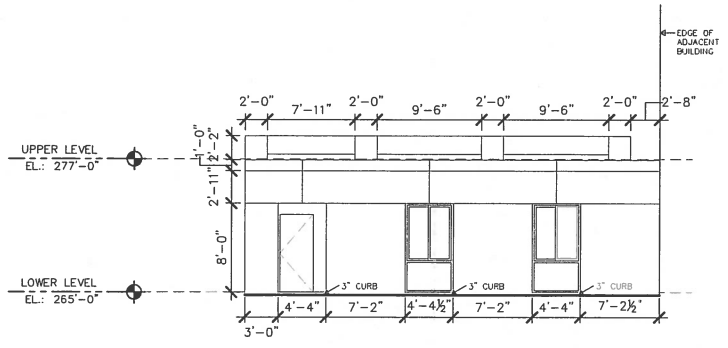
N



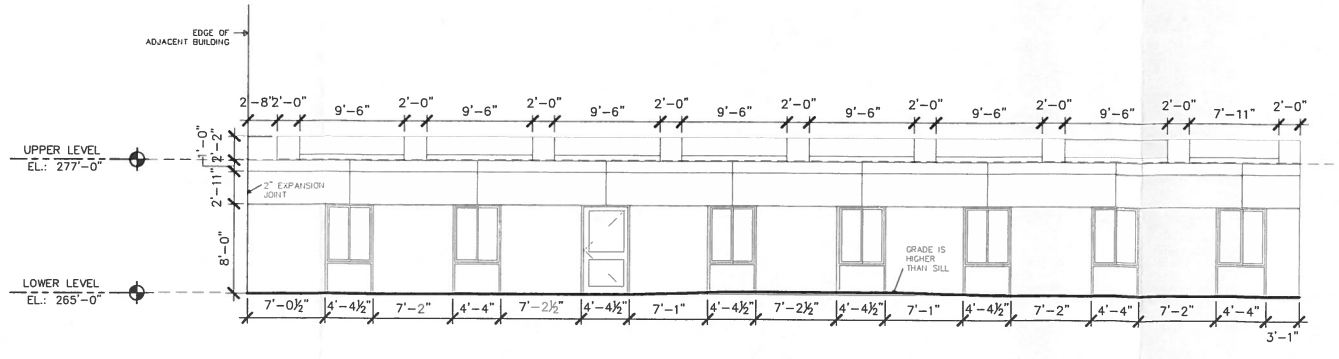
PATHFINDER – WEST CONNECTOR TUNNEL
1 EX107 LOWER LEVEL PLAN
SCALE: ⅛" = 1'-0"



PATHFINDER – EAST CONNECTOR TUNNEL
3 EX107 LOWER LEVEL PLAN
SCALE: ⅛" = 1'-0"



PATHFINDER – WEST CONNECTOR TUNNEL
2 EX107 SOUTH ELEVATION
SCALE: ⅛" = 1'-0"



PATHFINDER – EAST CONNECTOR TUNNEL
4 EX107 SOUTH ELEVATION
SCALE: ⅛" = 1'-0"

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PATHFINDER HALL CONNECTOR TUNNELS
EXISTING PLANS and ELEVATIONS

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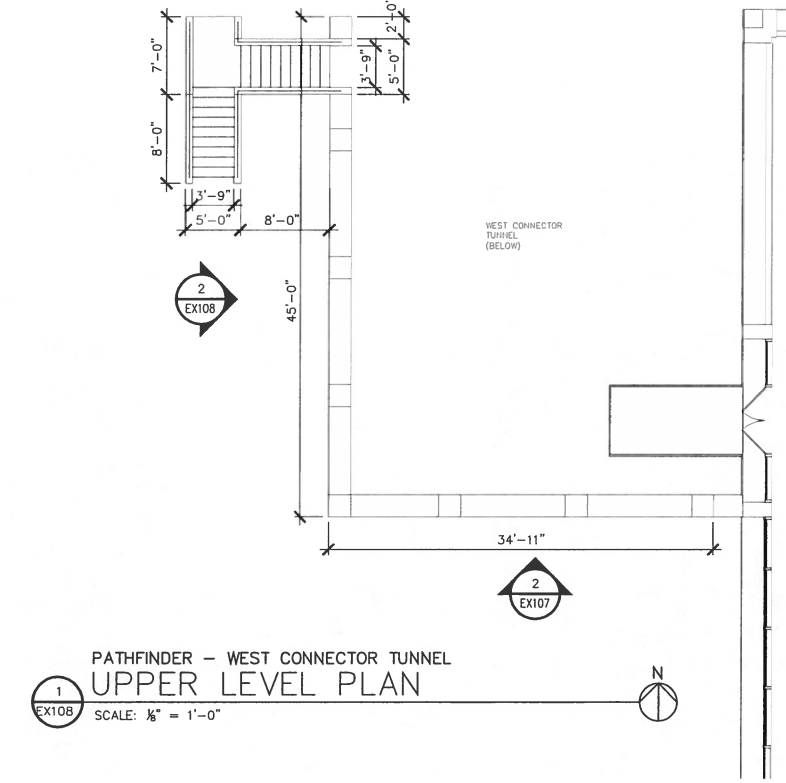
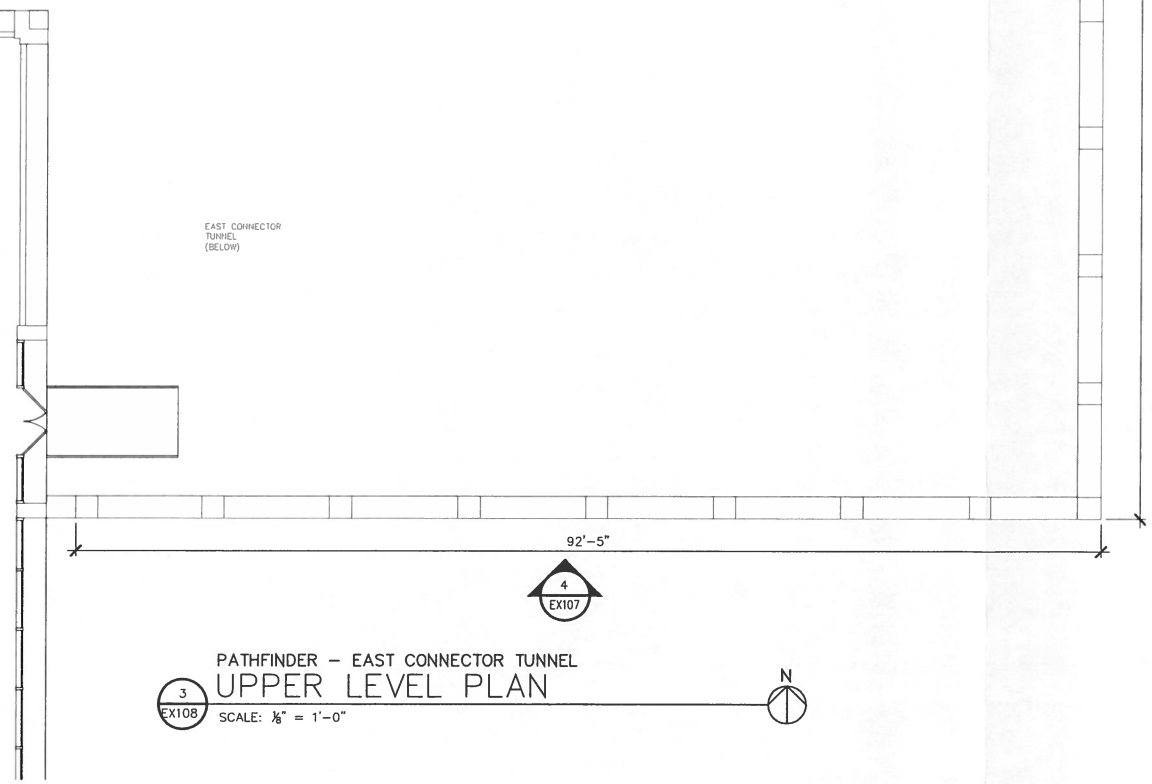
Project: 11024.06
File Name: 11024.06-EX104

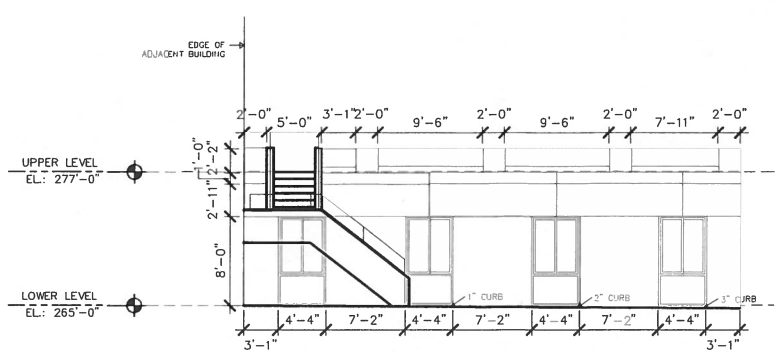
Sheet: EX107



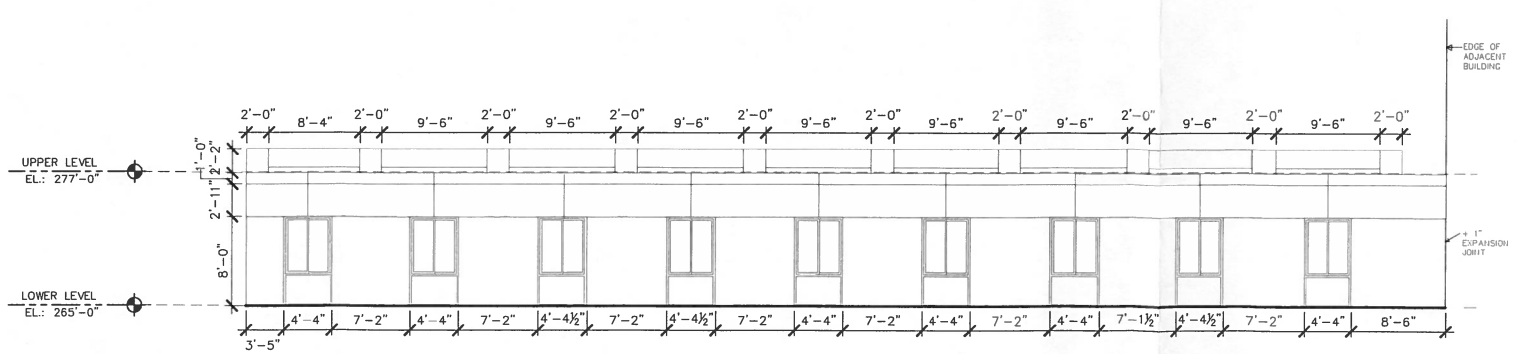
PATHFINDER – WEST CONNECTOR TUNNEL
1 EX108 UPPER LEVEL PLAN
SCALE: ⅛" = 1'-0"



PATHFINDER – EAST CONNECTOR TUNNEL
3 EX108 UPPER LEVEL PLAN
SCALE: ⅛" = 1'-0"



PATHFINDER – WEST CONNECTOR TUNNEL
2 EX108 WEST ELEVATION
SCALE: ⅛" = 1'-0"



PATHFINDER – EAST CONNECTOR TUNNEL
4 EX108 EAST ELEVATION
SCALE: ⅛" = 1'-0"

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PATHFINDER HALL CONNECTOR TUNNELS
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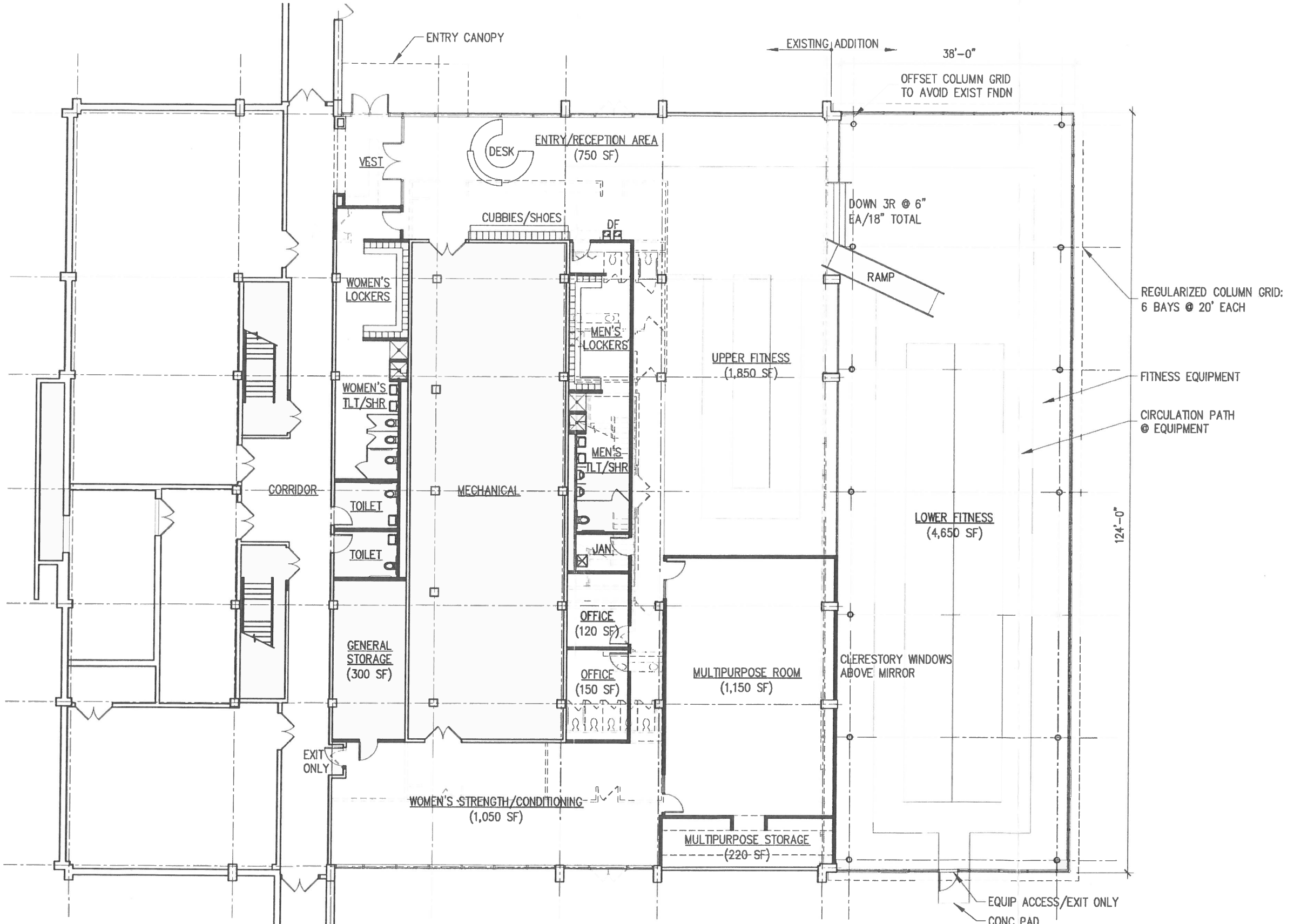
File Name: 11024.06-EX104

Sheet: EX108



LOWER LEVEL PLAN - GLIMMERGLASS FITNESS CENTER

LITTLE PAGE/PATHFINDER/GLIMMERGLASS - SUNY OSWEGO

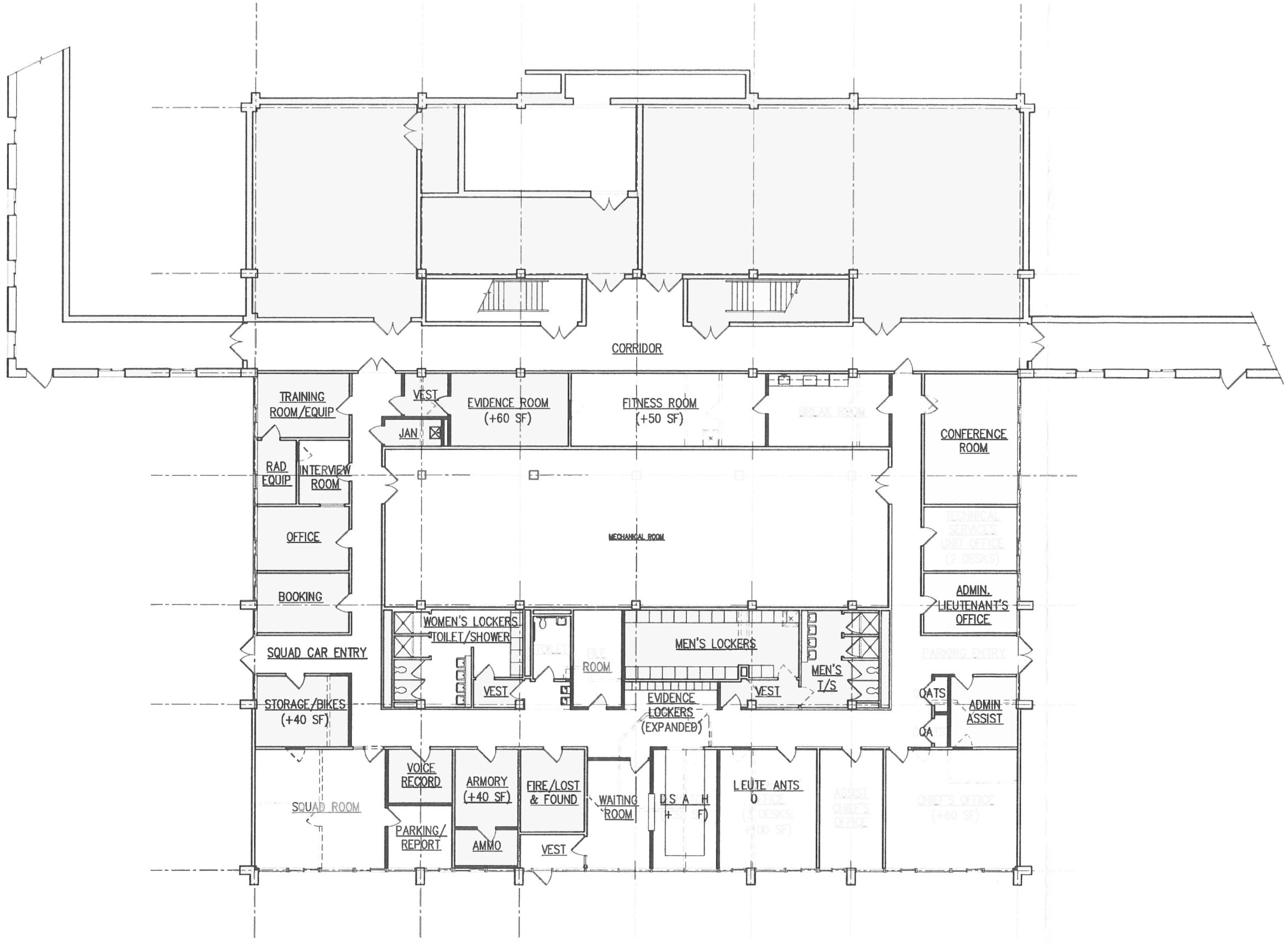
FOIT-ALBERT/CHA SPORTS

SCALE: 1" = 16'

CHA #24331

PLAN DIAGRAM

JULY 2012



LOWER LEVEL PLAN - CAMPUS POLICE/PATHFINDER

LITTLE PAGE/PATHFINDER/GLIMMERGLASS - SUNY OSWEGO

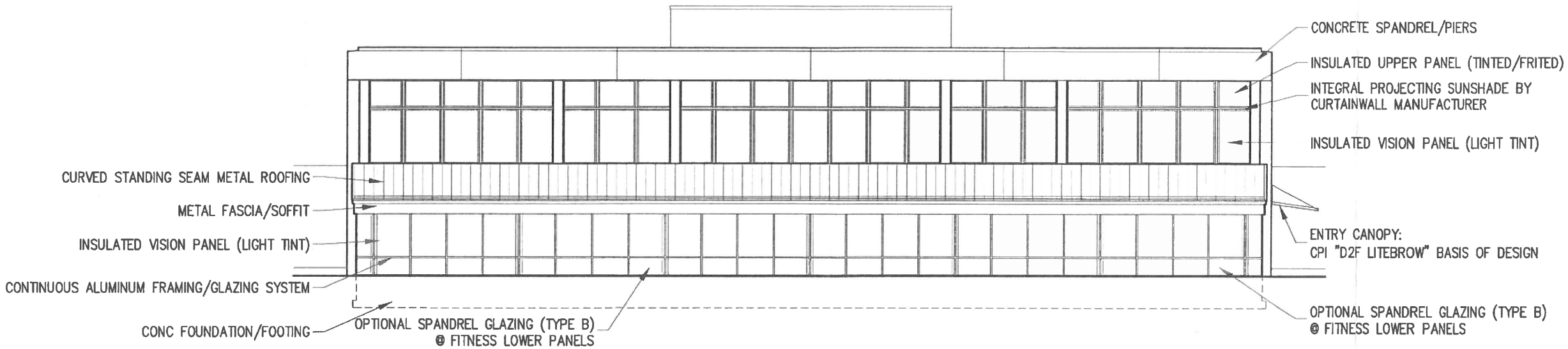
FOIT-ALBERT/CHA SPORTS

SCALE: 1" = 16'

CHA #24331

PLAN DIAGRAM

JULY 2012



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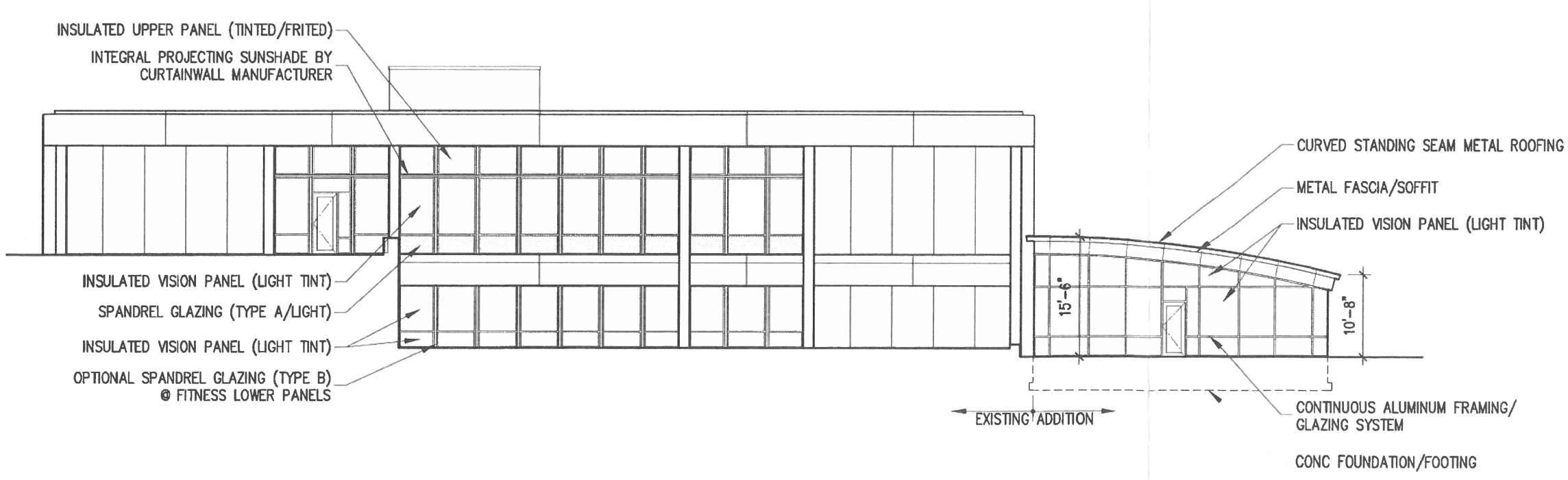


LITTLE PAGE - SOUTH

LITTLE PAGE/PATHFINDER/GLIMMERGLASS - SUNY OSWEGO

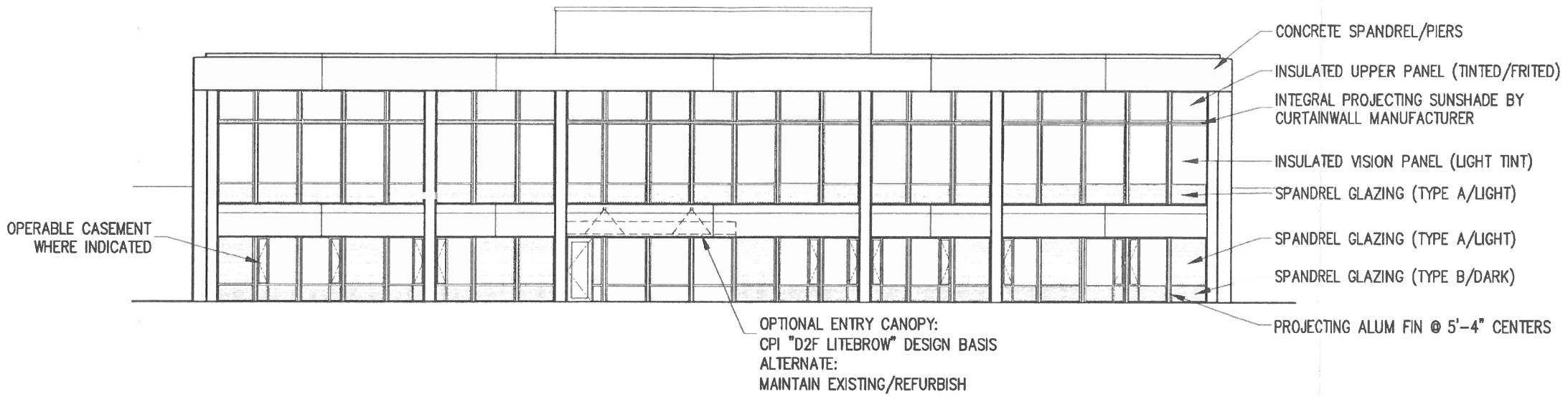
FOIT-ALBERT/CHA SPORTS

SCALE: 1" = 16'

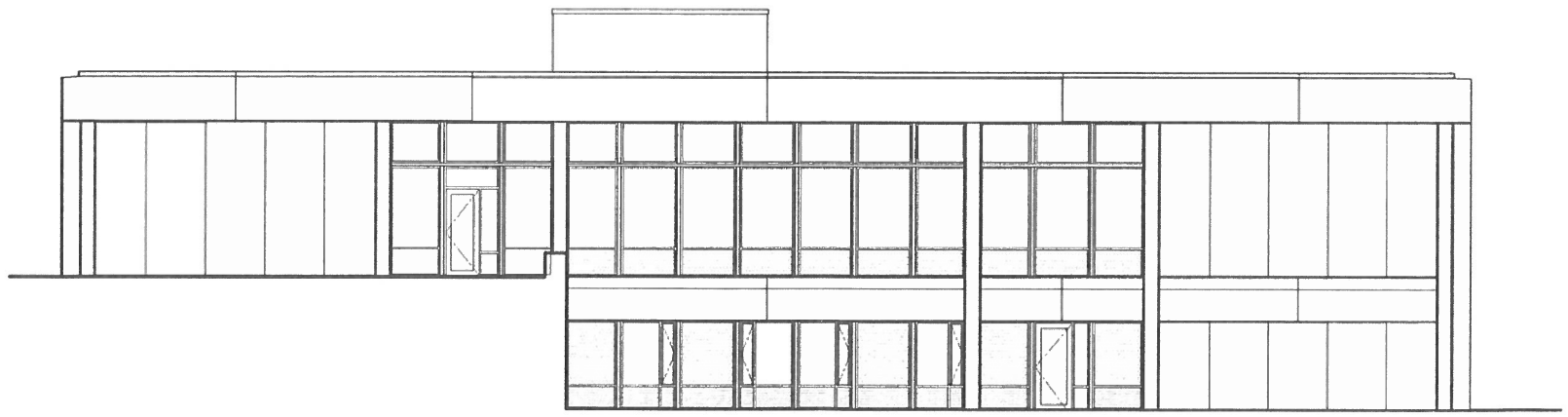
CHA #24331

GLAZING ELEVATION

JULY 2012



PATHFINDER - SOUTH



PATHFINDER - WEST

LITTLE PAGE/PATHFINDER/GLIMMERGLASS - SUNY OSWEGO

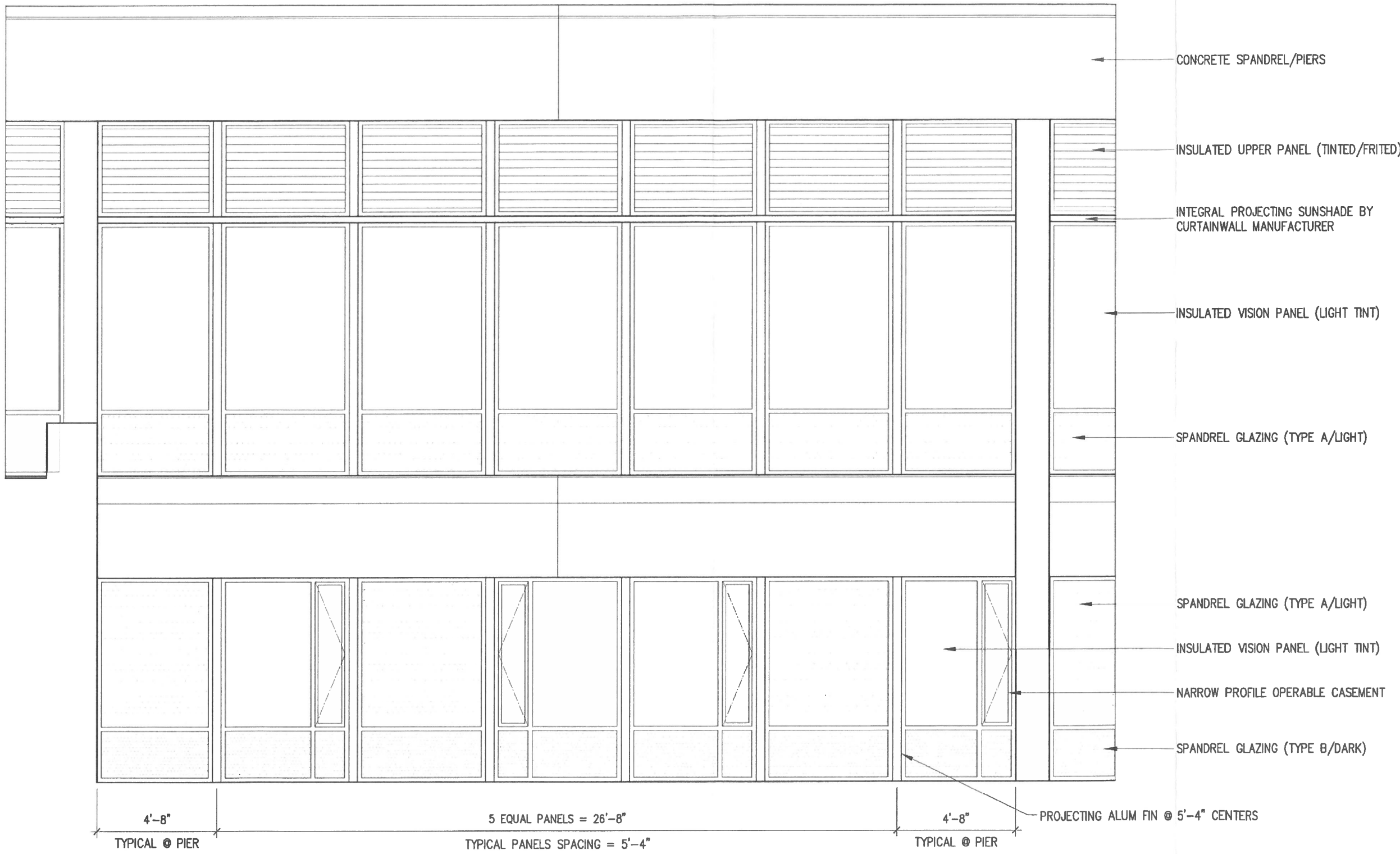
FOIT-ALBERT/CHA SPORTS

SCALE: 1" = 16'

CHA #24331

GLAZING ELEVATION

JULY 2012



ENLARGED DIAGRAM (PATHFINDER)

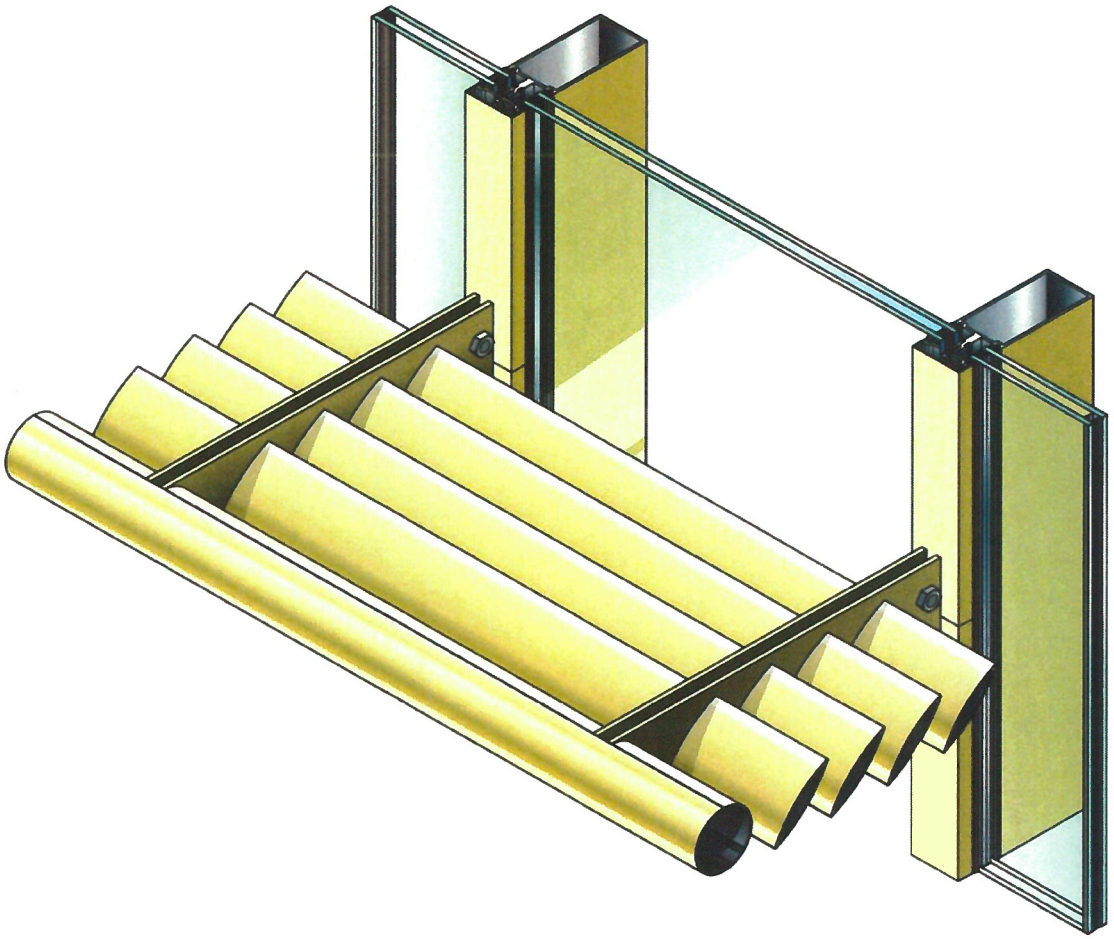
LITTLE PAGE/PATHFINDER/GLIMMERGLASS - SUNY OSWEGO

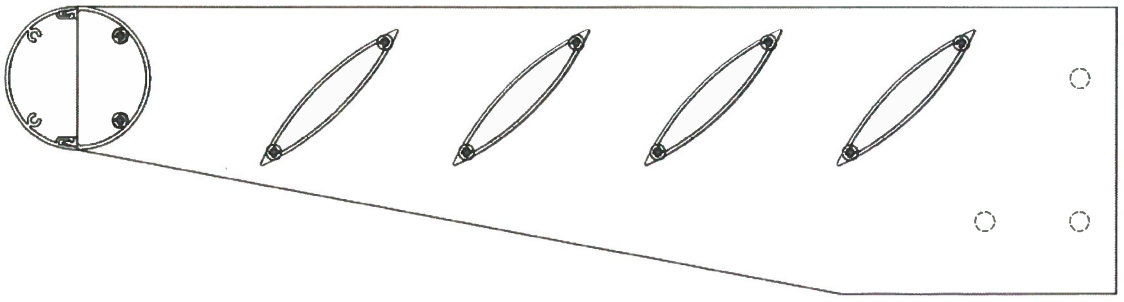
FOIT-ALBERT/CHA SPORTS | SCALE: 1/4" = 1'-0" | CHA #24331

GLAZING STRATEGY

JULY 2012

E-Shade™ Sunshades





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a Pella Company

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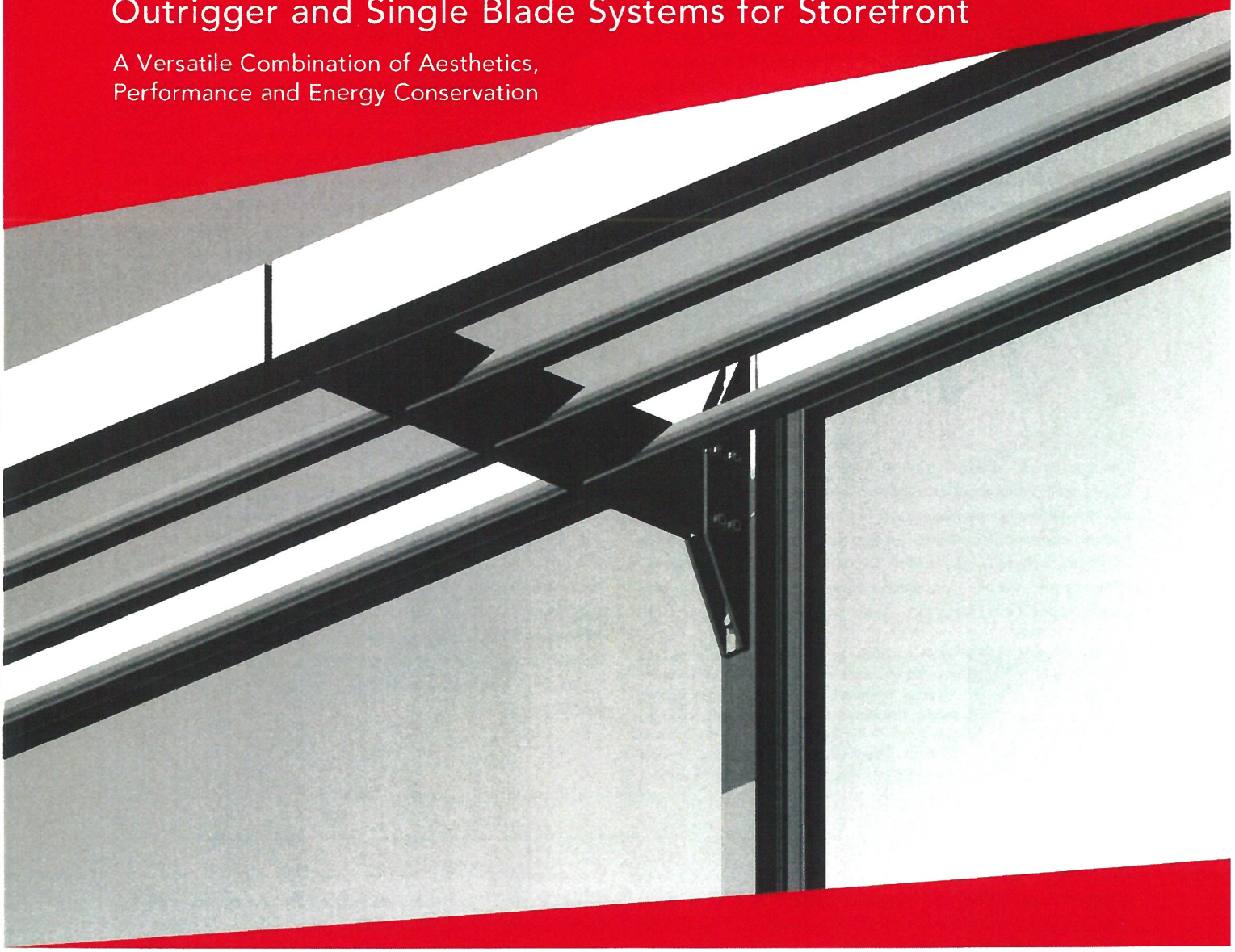
Versoleil™ SunShade Outrigger and Single Blade Systems for Storefront

A Versatile Combination of Aesthetics, Performance and Energy Conservation



Kawneer's Outrigger and Single Blade Systems for Storefront are the latest addition to its versatile Versoleil™ SunShade platform. Market demand for energy conservation in commercial building design is increasing, and the use of sunshades continues to move down the building. The addition of storefront options to Kawneer's innovative Versoleil™ SunShade offering provides more solutions for maximizing shading and energy-saving potential. The Outrigger System's combinations of support arms, louver blades and fascia caps provide increased aesthetic choices, and the Single Blade System's common component design and blade options offer versatility in both form and function. Whether it's the Outrigger System or the Single Blade System, Versoleil™ SunShades provide a pre-engineered, easy-to-install option for multiple storefront system applications.

Enhanced Versatility

Versoleil™ SunShade Outrigger and Single Blade Systems for Storefront include options in several configurations that enhance aesthetics while increasing the comfort and efficiency of the building. Both the Outrigger System and Single Blade System options deliver an unmatched breadth and depth of application — all from a single-source supplier. Not only are Versoleil™ SunShades tough performers, engineered and tested to withstand combined wind, snow and dead loads, they can also help contribute to Leadership in Energy and Environmental Design (LEED®) certification. Versoleil™ SunShades continue to set the industry standard for form and function.

KAWNEER
AN ALCOA COMPANY


Welcome
IHOP

REHABILITATION OF & ADDITION TO GLIMMERGLASS FITNESS CENTER &
EXTERIOR BUILDING SHELL IMPROVEMENTS AT LITTLEPAGE AND PATHFINDER
DINING HALLS
STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
DASNY PROJECT JDE # 299390
FAA PROJECT # 11024.06

3. OUTLINE SPECIFICATIONS

(To Be Determined)

REHABILITATION OF & ADDITION TO GLIMMERGLASS FITNESS CENTER &
EXTERIOR BUILDING SHELL IMPROVEMENTS AT LITTLEPAGE AND PATHFINDER
DINING HALLS
STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
DASNY PROJECT JDE # 299390
FAA PROJECT # 11024.06

4. COST ESTIMATE

Please see attached cost estimate.

STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO

Rehabilitation of & Addition to Glimmerglass Fitness Center &
Exterior Building Shell Improvements at Littlepage and Pathfinder Dining Halls

Pre-Schematic/Schematic Design Submission Cost Estimate

Architects.....FoitAlbert Associates
Cost Consultants.....Toscano Clements Taylor

November 19, 2012

TOSCANO
CLEMENTS
TAYLOR

TOSCANO CLEMENTS TAYLOR

PROJECT QUALIFICATIONS

11/19/2012

PHASE:	**Pre-Schematic/Schematic Design Submission Cost Estimate**

PROJECT TYPE :

☐ New Construction ☑ Addition ☑ Rehabilitation

REGION :	Oswego, NY
DISTRICT :	**STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO**
PROJECT	Rehabilitation of & Addition to Glimmerglass Fitness Center &
PCKG. NO. :	Exterior Building Shell Improvements at Littlepage and Pathfinder Dining Halls
A / E :	FoitAlbert Associates

Estimates are based on documents and drawings provided by FoitAlbert Associates, Nov. 2012

The estimate excludes the following :-

A-E Fees.

PM Fees.

Overtime.

Phasing

Hazardous materials abatement.

FF&E

TOSCANO CLEMENTS TAYLOR

STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO

Rehabilitation of & Addition to Glimmerglass Fitness Center &
Exterior Building Shell Improvements at Littlepage and Pathfinder Dining Halls

Pre-Schematic/Schematic Design Submission Cost Estimate

LITTLE PAGE	34,650	SF
PATHFINDER	30,000	SF
LITTLEPAGE TUNNELS	2,250	SF
PATHFINDER TUNNELS	2,150	SF
TOTAL	69,050	SF

19-Nov-12

CSI	DESCRIPTION	LITTLEPAGE Amount USD	LITTLEPAGE Rate USD/GSF	PATHFINDER Amount USD	PATHFINDER Rate USD/GSF	LITTLEPAGE TUNNELS Amount USD	LITTLEPAGE TUNNELS Rate USD/GSF	PATHFINDER TUNNELS Amount USD	PATHFINDER TUNNELS Rate USD/GSF	TOTAL Amount USD	TOTAL Rate USD/GSF
	Area	34,650		30,000		2,250		2,150		69,050	
01	ROOFS	$ 412,260	$ 11.90	$ 412,260	$ 13.74	$ 27,450	$ 12.20	$ 27,450	$ 12.77	$ 879,420	$ 12.74
02	FACADES	$ 164,800	$ 4.76	$ 164,800	$ 5.49	$ 63,700	$ 28.31	$ 71,900	$ 33.44	$ 465,200	$ 6.74
03	WINDOWS	$ 970,720	$ 28.02	$ 940,000	$ 31.33	$ 12,225	$ 5.43	$ 41,625	$ 19.36	$ 1,964,570	$ 28.45
04	DOORS	$ 169,000	$ 4.88	$ 169,000	$ 5.63	$ 16,600	$ 7.38	$ 16,600	$ 7.72	$ 371,200	$ 5.38
05	REHABILITATION & ADDITIONS		$ -		$ -		$ -		$ -	$ -	$ -
05A	FITNESS CENTER	$ 1,205,079	$ 34.78		$ -		$ -		$ -	$ 1,205,079	
05B	CAMPUS POLICE		$ -	$ 455,950	$ 15.20		$ -		$ -	$ 455,950	
06	DINING HALL IMPROVEMENTS	$ 300,000	$ 8.66	$ 300,000	$ 10.00		$ -		$ -	$ 600,000	$ 8.69
07	PLUMBING	$ 168,187	$ 4.85	$ 129,362	$ 4.31	$ 3,000	$ 1.33	$ 3,000	$ 1.40	$ 303,549	$ 4.40
08	HVAC	$ 1,670,659	$ 48.22	$ 1,521,226	$ 50.71		$ -		$ -	$ 3,191,885	$ 46.23
09	ELECTRICAL	$ 579,671	$ 16.73	$ 175,500	$ 5.85	$ 6,000	$ 2.67	$ 6,000	$ 2.79	$ 767,171	$ 11.11
10	EQUIPMENT		$ -		$ -		$ -		$ -	$ -	$ -
11	SITE WORKS	$ 140,000	$ 4.04	$ 140,000	$ 4.67	$ 28,000	$ 12.44	$ 28,000	$ 13.02	$ 336,000	$ 4.87
			$ -		$ -		$ -		$ -	$ -	$ -
SUB TOTAL		**$ 5,780,376**	**$ 166.82**	**$ 4,408,098**	**$ 146.94**	**$ 156,975**	**$ 69.77**	**$ 194,575**	**$ 90.50**	**$ 10,540,025**	**$ 152.64**
GENERAL CONDITIONS	7.0%	$ 404,626	$ 11.68	$ 308,567	$ 10.29	$ 10,988	$ 4.88	$ 13,620	$ 6.34	$ 737,802	$ 10.69
			$ -		$ -		$ -		$ -		$ -
SUB TOTAL		$ 6,185,003	$ 178.50	$ 4,716,665	$ 157.22	$ 167,963	$ 74.65	$ 208,195	$ 96.84	$ 11,277,826	$ 163.33
OVERHEAD AND PROFIT	6.0%	$ 371,100	$ 10.71	$ 283,000	$ 9.43	$ 10,078	$ 4.48	$ 12,492	$ 5.81	$ 676,670	$ 9.80
			$ -		$ -		$ -		$ -		$ -
SUB TOTAL		$ 6,556,103	$ 189.21	$ 4,999,665	$ 166.66	$ 178,041	$ 79.13	$ 220,687	$ 102.65	$ 11,954,496	$ 173.13
DESIGN CONTINGENCY	10.0%	$ 655,610	$ 18.92	$ 499,967	$ 16.67	$ 17,804	$ 7.91	$ 22,069	$ 10.26	$ 1,195,450	$ 17.31
BID CONTINGENCY	5.0%	$ 327,805.14	$ 9	$ 249,983.26	$ 8	$ 8,902.05	$ 3.96	$ 11,034.35	5.132255	$ 597,725	$ 8.66
PHASING	2.5%	$ 163,902.57	$ 5	$ 124,991.63	$ 4	$ 4,451.03	$ 1.98	$ 5,517.17	2.5661275	$ 298,862.40	$ 4.33
			$ -		$ -		$ -		$ -	$ -	
SUB TOTAL		$ 7,703,421	$ 222.32	$ 5,874,607	$ 195.82	$ 209,198	$ 92.98	$ 259,307	$ 120.61	$ 14,046,533	$ 203.43
ESCALATION TO MID POINT	5.0%	$ 385,171	$ 11.12	$ 293,730	$ 9.79	$ 10,460	$ 4.65	$ 12,965	$ 6.03	$ 702,327	$ 10.17
			$ -		$ -		$ -		$ -		$ -
TOTAL BUILDING CONSTRUCTION COST		**$ 8,088,592**	**$ 233.44**	**$ 6,168,337**	**$ 205.61**	**$ 219,658**	**$ 97.63**	**$ 272,273**	**$ 126.64**	**$ 14,748,859**	**$ 213.60**

Schedule

+ Design
+ Consult. Fees
+ Equipment

SUMMARY

STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
Rehabilitation of & Addition to Glimmerglass Fitness Center &

				LittlePage		
No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	ROOFS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
01	Remove existing EPDM membrane and roof assembly down to the vapor retarder. (ACM)	$ 8.00	SF	14,500	SF	116,000
02	Remove all perimeter parapet wall flashings and edge metals	$ 8.00	LF	680	SF	5,440
03	Remove existing roof drain strainers	$ 120.00	EA	6	EA	720
04	Remove existing walkway pads	$ 2.00	SF	400	SF	800
						0
	New Roofing					
01	New white EPDM membrane, tapered insulation, and 3 1/2" rigid insulation	$ 14.00	SF	14,500	SF	203,000
02	New perimeter parapet wall flashings and edge metals	$ 25.00	LF	680	LF	17,000
03	New roof drain strainers with lockable type.	$ 800.00	EA	6	EA	4,800
04	New walkway pads with fully-bonded pads.	$ 12.00	SF	400	SF	4,800
05	New fully-bonded walkway pads	$ 12.00	SF	2,000	SF	24,000
06	Remove and reinstall Exhaust Fans	$ 1,200.00	EA	5	EA	6,000
07	Remove and reinstall Antena	$ 2,000.00	EA	1	EA	2,000
08	Remove and reinstall Lighening Rod	$ 1,500.00	EA	1	EA	1,500
09	Remove and reinstall Roof Hatch	$ 1,200.00	EA	1	EA	1,200
10	Remove and reinstall Hatch Cover	$ 20,000.00	EA	1	EA	20,000
11	Misc. Penetrations	$ 5,000.00	LS	1	LS	5,000
						0
						0
						0
	TOTAL ROOFS					$ 412,260
	FACADES	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
01	Patch deteriorated, spalled, and missing sections of cast-in-place	$ 12.00	SF	7,000	SF	84,000
02	Saw cut, where needed	$ 3.00	SF	7,000	SF	21,000
03	Prepare and coat all exposed concrete façade surfaces.	$ 4.00	SF	7,000	SF	28,000
04	Remove all existing sealant joints and replace with new sealant.	$ 2.00	SF	7,000	SF	14,000
05	Prepare, prime, and paint all exposed steel on the building exterior	$ 10,000.00	LS	1	LS	10,000
06	Remove and replace concrete entrance walk at upper level entrance	$ 30.00	SF	200	SF	6,000
07	Apply urethane traffic membrane coating @ concrete loading dock.	$ 6.00	SF	300	SF	1,800
						0
						0
						0
	TOTAL FACADES					$ 164,800
	WINDOWS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
01	Remove all existing curtain wall systems,	$ 8.00	SF	9,000	SF	72,000
02	Provide cavity wall insulation as necessary	$ 4.00	SF	1,000	SF	4,000
						0
	New Curtain Walls					0
01	New high-performance aluminum framed curtain wall systems	$ 90.00	SF	9,320	SF	838,800
02	New interior window treatments	$ 6.00	SF	9,320	SF	55,920
						0
						0
	TOTAL WINDOWS					$ 970,720

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No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	DOORS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
	Remove all existing doors					0
01	Single	$ 150.00	EA	10	EA	1,500
02	Double	$ 200.00	EA	10	EA	2,000
03	provide temporary protection as necessary.	$ 5,000.00	LS	1	LS	5,000
04	Replace rear loading dock door	$ 3,000.00	EA	1	EA	3,000
05	Replace all existing louvers with new fixed units, painted	$ 50.00	SF	100	SF	5,000
	New Doors					
01	New aluminum-framed entrance storefronts at exterior and interior entry vestibules	$ 80.00	SF	1,200	SF	96,000
02	X-cost for New Double Door	$ 4,500.00	EA	4	EA	18,000
03	Install new interior Wood Doors					0
04	Single	$ 1,450.00	EA	10	EA	14,500
05	Double	$ 2,400.00	EA	10	EA	24,000
						0
						0
	TOTAL DOORS					$ 169,000
	REHABILITATION & ADDITIONS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	FITNESS CENTER					
	Demolition					
01	ACM Removal					0
a	ACM Cement Board	$ 10.00	SF	250	SF	2,500
b	Ceiling Plaster	$ 12.00	SF	32	SF	384
c	Floor tiles / mastic	$ 6.00	SF	1,000	SF	6,000
d	Window Caulking	$ 12.00	SF	20	SF	240
e	Misc PCB Removals	$ 2.00	GSF	30,000	SF	60,000
						0
02	Temporary Partitions & Misc. Protection	$ 10,000.00	LS	1	LS	10,000
03	Remove Existing Partitions	$ 15.00	LF	365	LF	5,475
04	Remove Existing Doors	$ 150.00	EA	11	EA	1,650
05	Remove Walls for new Door location	$ 300.00	EA	4	EA	1,200
06	Remove Existiong Toilet Partitions	$ 160.00	EA	8	EA	1,280
07	Remove Existing Floors	$ 1.75	SF	8,500	SF	14,875
08	Remove Existing Ceilings	$ 1.25	SF	8,500	SF	10,625
09	Remove Existing Stairs	$ 6,000.00	EA	2	EA	12,000
						0
	Structural Works @ Fitness Center Addition					0
01	Excavation	$ 18.00	CY	926	CY	16,667
02	Backfill	$ 15.00	CY	556	CY	8,333
03	Piles; (Assume 2 piles / pile cap, 30' Depth)	$ 4,500.00	Pile	28	Plie	126,000
04	Mobilization & Testing	$ 20,000.00	LS	1	LS	20,000
05	Pile Caps (Assume 4'x4'x2'-6")	$ 500.00	CY	21	CY	10,370
06	Foundation Wall	$ 450.00	CY	$ 100.00	CY	45,000
07	Slab on Grade	$ 8.00	SF	4,700	SF	37,600
08	Roof Framing (Assume 10 lb/sf)	$ 3,500.00	Ton	24	Tons	82,250
09	Curved Standing Seam @ Roof	$ 14.00	SF	4,800	SF	67,200
10	New Gutters	$ 40.00	LF	130	LF	5,200
11	New Metal Fascia	$ 50.00	LF	80	LF	4,000
12	Remove and Replace Roof Drains	$ 650.00	EA	6	EA	3,900
13	New Entrance Canopy	$ 150.00	SF	160	SF	24,000
14	Structural Steel + concrete to infill exsting stair opening	$ 30.00	SF	350	SF	10,500
						0

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No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	Interior Construction					
01	New GWB Partitions	$ 8.50	SF	12,500	SF	106,250
02	New CMU Partitions	$ 20.00	SF	300	EA	6,000
03	X-cost for upgraded wall finish @ Multi Purpose Room	$ 20.00	SF	1,040	SF	20,800
04	New Toilet Partitions	$ 950.00	EA	2	EA	1,900
05	New Toilet Partitions, ADA	$ 1,100.00	EA	2	EA	2,200
06	New Interior Single Door	$ 1,450.00	EA	9	EA	13,050
07	New Interior Glazed Wall between itness Addition & Existing	$ 85.00	SF	1,000	SF	85,000
08	New Clearstory Windows	$ 65.00	SF	240	SF	15,600
						0
09	New Floor Carpet Tiles	$ 4.50	SF	4,500	SF	20,250
10	New VCT	$ 4.25	SF	300	SF	1,275
11	New Athelitic Floor	$ 20.00	SF	7,000	SF	140,000
12	New Wood Floor	$ 18.00	SF	1,200	SF	21,600
13	XC-cost for non-slippery Ramp	$ 12.00	SF	100	SF	1,200
14	Metal Handrails @ Ramp	$ 120.00	LF	40	LF	4,800
						0
15	New ACT Ceiling	$ 4.50	SF	4,500	EA	20,250
16	New GWB Ceiling	$ 8.50	SF	300	EA	2,550
						0
17	Paint New & Existing Walls	$ 2.50	SF	34,650	GSF	86,625
18	Wall mounted Mirrors	$ 45.00	SF	640	SF	28,800
						0
19	New Metal Lockers	$ 220.00	EA	50	EA	11,000
20	New Cubbies	$ 180.00	EA	16	EA	2,880
21	New Curved Reception Counter	$ 1,100.00	LF	18	LF	19,800
22	New Uplights @ new entrance canopy	$ 1,500.00	EA	4	EA	6,000
						0
						0
	TOTAL REHABILITATION & ADDITIONS					$ 1,205,079

	DINING HALL IMPROVEMENTS	UNIT PRICE	UNIT	QUANTITY	UNIT	AMOUNT
						0
01	Remove and replace ACT Ceilings	$ 6.00	SF	15,000	SF	90,000
02	Allowance for ACM Removal	$ 4.00	GSF	15,000	SF	60,000
03	Misc. Finishes	$ 10.00	GSF	15,000	GSF	150,000
						0
						0
	TOTAL DINING HALL IMPROVEMENTS					$ 300,000

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No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	PLUMBING	UNIT PRICE	UNIT	QUANTITY	UNIT	AMOUNT
	Littlepage					
	Plumbing Demolition					0
01	Domestic Hot Water Heat Exchanger Demolition	$ 605.00	EA	1.00		605
02	Waste and Vent Piping Above Slabe Demolition	$ 295.00	FIXTURES	36.00		10,620
03	Camera Scope Existing Sanitary Underslab Piping	$ 1,545.00	LS	1.00		1,545
04	Selectiive Domestic Water Pipng Demolition	$ 9,120.00	ALLOW	1.00		9,120
05	Plumbing Fixture Demoliton w/ Local Piping	$ 485.00	EA	15.00		7,275
						0
	Sanitary Waste and Vent System					0
01	Sanitary Waste and Vent Branch Piping w/ Ftgs, Hgrs (NHCI)	$ 1,245.00	FIXTURES	21.00		26,145
02	Sanitary Waste and Vent Piping to New Fixtures	$ 1,245.00	FIXTURES	22.00		27,390
						0
	Domestic Water Piping					0
01	Replace Selected Domestic Water Piping w/ Ftgs,Hgrs (L Copper)	$ 985.00	FIXTURES	21.00		20,685
02	125# Reduced Pressure Zone Backflow Preventors w/ Valving	$ 4,950.60	EA	2.00		9,901
03	Replace Selected Pipe Insulation	$ 6,020.00	ALLOW	1.00		6,020
04	Domestic Water Piping to New Fixtures	$ 930.00	EA	22.00		20,460
						0
	Plumbing Fixtures and Equipment					0
01	Wall Hung Water Closets w/ Carriers, Sensor Operated Flushometers, Local Piping	$ 1,230.97	EA	6.00		7,386
02	Wall Hung Lavatories w/ Carier, Sensor Operated Faucet, Local Piping	$ 726.00	EA	6.00		4,356
03	Accessible Shower Modules w/ Local Piping	$ 501.86	EA	4.00		2,007
04	Wall Hung Urinals w/ Carrier, Sensor Operated Flushometer, Local Piping	$ 3,379.00	EA	2.00		6,758
05	Mop Receptors w/ Local Piping	$ 251.63	EA	1.00		252
06	Floor Drains w/ Local Piping	$ 663.20	EA	7.00		4,642
07	Steam to Water Domestic Hot Water Heat Exchanger	$ 1,030.80	EA	1.00		1,031
08	Domestic Hot Water Antiscald Valve	$ 629.93	EA	1.00		630
09	Domestic Hot Water Expansion Tank	$ 761.63	EA	1.00		762
10	Hot Water Recirculation Pumps	$ 597.00	EA	1.00		597
						0
						0
	TOTAL PLUMBING					$ 168,187

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No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	HVAC	UNIT PRICE	UNIT	QUANTITY	UNIT	AMOUNT
	Littlepage					
	HVAC Demolition					0
01	Steam Pressure Reducing Valve Demoliton	$ 705.00	EA	1.00		705
02	Condensate Receiver Demolition	$ 505.00	EA	1.00		505
03	Circulator Demolition	$ 395.00	EA	8.00		3,160
04	Cooling Tower Demolition	$ 845.00	EA	1.00		845
05	Air Handling Unit Demoliton	$ 1,165.00	EA	2.00		2,330
06	Selected Fin Tube Radiation Demolition	$ 3,000.00	ALLOW	1.00		3,000
07	Steam Piping Demoliton	$ 3,460.00	LS	1.00		3,460
08	Steam Condensate Piping Demolition	$ 1,730.00	LS	1.00		1,730
09	Chilled Water Piping Demolition	$ 11,100.00	LS	1.00		11,100
10	Heating Water Piping Demolition	$ 29,800.00	LS	1.00		29,800
11	Ductwork Demolition	$ 1.70	SF	35,000.00		59,500
						0
	Ductwork w/ Accessories, Insulation					0
01	Galvanized Ductwork	$ 7.65	LBS	26,000.00		198,900
02	Grilles, Registers, Diffusers, Louvers, Dampers, Etc.	$ 19,890.00	LS	1.00		19,890
03	Fire Smoke Dampers	$ 4,700.00	ALLOW	1.00		4,700
04	1' Thk Duct Board	$ 9.05	SF	2,600.00		23,530
05	2" Thk Duct Wrap	$ 2.72	SF	12,257.00		33,339
						0
	Steam Piping					0
01	Medium Pressure Steam Piping to Pressure Reducer w/ Ftgs, Hgrs (CS Stan Wt)	$ 90.91	LF	42.00		3,818
02	Low Pressure Steam Piping to Heating Hot Water Heat Exchanger w/ Ftgs, Hgrs (CS Stan Wt)	$ 90.91	LF	63.00		5,727
03	Low Pressure Steam Piping to Domestic Hot Water Heat Exchanger	$ 72.17	LF	63.00		4,547
04	Valving, Specilaties at Heating Hot Water Heat Exchanger	$ 8,527.90	LS	1.00		8,528
05	Valving, Specialties at Domestic Hot Water Heat Exchanger	$ 3,920.70	LS	1.00		3,921
06	Fiberglass Pipe Insulation	$ 11.90	LF	168.00		1,999
07	Rod, Gas, Lubricants	$ 780.00	LS	1.00		780
						0
	Steam Condensate Piping					0
01	Pump Condensate Piping w/ Ftgs, Hgrs (CS Xhvy)	$ 73.42	LF	42.00		3,084
02	Steam Condensate Piping from Heating Hot Water Exchanger w/ Ftgs, Hgrs	$ 60.76	LF	63.00		3,828
03	Steam Condensate Piping from Domestic Hot Water Heat Exchanger w/ Ftgs, Hgrs	$ 36.31	LF	63.00		2,288
04	Condensate Drip Leg Piping w/ Ftgs, Hgrs	$ 22.16	LF	21.00		465
05	Flash Tank Vent Piping w/ Ftgs, Hgrs	$ 73.42	LF	84.00		6,167
06	Valving, Specialties at Condensate Reciever	$ 2,286.90	EA	1.00		2,287
07	Valving, Specialties at Heating Hot Water Heat Exchanger	$ 3,840.00	EA	1.00		3,840
08	Valving, Specialties at Domestic Hot Water Heat Exchanger	$ 3,306.00	EA	1.00		3,306
09	Drip Leg Valving, Specialties	$ 749.30	EA	2.00		1,499
10	Fiberglass Pipe Insulation	$ 8.40	LF	273.00		2,293
11	Rod, Gas, Lubricants, Etc.	$ 800.00	LS	1.00		800
						0
	Chilled Water Piping					0
01	Building Loop Main Pipng w/ Ftgs, Hgrs (CS Stan Wt)	$ 73.42	FT	189.00		13,876
02	Chilled Water Runouts to Air Handlers w/ Ftgs, Hgrs	$ 60.31	FT	126.00		7,599
03	Valving, Specialties at Chiller	$ 3,793.00	LS	1.00		3,793
04	Valving, Specialties at Bldg Loop Circulators	$ 5,279.20	EA	2.00		10,558
05	Valving, Specialties at Air Handling Units	$ 3,656.10	EA	2.00		7,312
06	Fiberglass Insulation	$ 12.60	LF	315.00		3,969
07	Rod, Gas, Lubricants	$ 1,400.00	LS	1.00		1,400
						0

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No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	Hot Water Supply and Return					0
01	Heating Hot Water Mechanical Room and Main Piping w/ Ftgs,Hgrs (CS Stan Wt)	$ 58.13	LF	840.00		48,829
02	Heating Hot Water Runout Piping to Air Handling Units w/ Ftgs,Hgrs	$ 54.98	LF	126.00		6,927
03	Heating Hot Water Runout Piping to Reheat Coils, Fin Tube Radiatiion w/ Ftgs, Hgrs (L Copper)	$ 24.67	LF	2,800.00		69,076
04	Valving, Specialties at Heat Exchanger	$ 5,021.20	LF	1.00		5,021
05	Valving, Specialties at Preheat Circulators	$ 5,347.20	EA	2.00		10,694
06	Valving, Specialties at Reheat Circulators	$ 2,919.00	EA	2.00		5,838
07	Valving, Specialties at Air Handling Units	$ 3,199.50	EA	2.00		6,399
08	Valving,Specialties at Reheat Coils	$ 561.30	EA	50.00		28,065
09	Valving, Specialties at Fin Tube Radiation Zones	$ 707.40	EA	12.00		8,489
10	Fiberglass Pipe Insulation	$ 7.36	LF	3,766.00		27,718
11	Rod, Solder, Flux, Gas, Etc	$ 3,800.00	LS	1.00		3,800
						0
	Air Conditioning Condensate Piping					0
01	Air Conditioning Condensate Piping from Air Handling Units	$ 33.08	FT	60.00		1,985
02	Fiberglass Insulation	$ 8.40	FT	60.00		504
03	Solder, Flux, Gas, Etc.	$ 25.00	LS	1.00		25
						0
	Equipment					0
01	Fitness Center Air Handling Unit 15,000 CFM Variable Volume w/ HW, CHW Coils	$ 99,090.00	EA	1.00		99,090
02	Dining Hall Air Handling Unit 30,000 CFM Variable Volume w/ HW,CHW Coils	$ 187,990.00	EA	1.00		187,990
03	Energy Recovery Unit 11,200 CFM	$ 97,065.00	EA	1.00		97,065
04	Steam to Water Heat Exchanger	$ 15,340.00	EA	1.00		15,340
05	Single Stage Steam Pressure Reducing Statiion	$ 17,825.00	EA	1.00		17,825
06	Duplex Steam Condensate Reciever	$ 14,150.00	EA	1.00		14,150
07	Inline Circulators 3 HP	$ 2,995.00	EA	2.00		5,990
08	End Suction Circulators 15 HP	$ 4,245.00	EA	2.00		8,490
09	End Suction Circulators 20 HP	$ 5,372.00	EA	2.00		10,744
10	End Suction Circulators 15 HP	$ 4,245.00	EA	2.00		8,490
11	Open Circuit Cooling Tower 115 Ton	$ 53,380.00	EA	1.00		53,380
12	Variable Volume Boxe w/ Reheat Coils	$ 798.00	EA	50.00		39,900
13	Commercial Fin Tube Radiation	$ 73.12	LF	40.00		2,925
14	Heating Hot Water Expansion Tank	$ 2,985.00	EA	1.00		2,985
15	Chilled Water Expansion Tank	$ 2,285.00	EA	1.00		2,285
16	Chilled Water Air Separator	$ 4,545.00	EA	1.00		4,545
17	Heating Hot Water Air Separator	$ 3,762.00	EA	1.00		3,762
18	Closed Circuit Chemical Feed Programs	$ 4,732.00	EA	2.00		9,464
19	Open Circuit Chemical Feed Programs	$ 16,460.00	EA	1.00		16,460
20	Miscellaneous Exhaust Fans	$ 4,265.00	EA	2.00		8,530
21	Variable Frequency Drives	$ 3,800.00	EA	13.00		49,400
22	Magnetic Motor Starters	$ 1,125.00	EA	4.00		4,500
						0
	Automatic Temperature Controls					0
01	Fitness Center Air Handling Unit 15,000 CFM Variable Volume w/	$ 570.00	PTS	20.00		11,400
02	Dining Hall Air Handling Unit 30,000 CFM Variable Volume w/ HW,CHW Coils	$ 570.00	PTS	20.00		11,400
03	Energy Recovery Unit 11,200 CFM	$ 570.00	PTS	16.00		9,120
04	Steam to Water Heat Exchanger	$ 570.00	PTS	6.00		3,420
05	Single Stage Steam Pressure Reducing Statiion	$ 570.00	PTS	1.00		570
06	Duplex Steam Condensate Reciever	$ 570.00	PTS	2.00		1,140
07	Inline Circulators 3 HP	$ 570.00	PTS	6.00		3,420
08	End Suction Circulators 15 HP	$ 570.00	PTS	6.00		3,420
09	End Suction Circulators 20 HP	$ 570.00	PTS	6.00		3,420
10	End Suction Circulators 15 HP	$ 570.00	PTS	6.00		3,420
11	Open Circuit Cooling Tower 115 Ton	$ 570.00	PTS	4.00		2,280
12	Variable Volume Boxe w/ Reheat Coils	$ 570.00	PTS	150.00		85,500
13	Commercial Fin Tube Radiation	$ 570.00	PTS	24.00		13,680
14	Miscellaneous Exhaust Fans	$ 570.00	PTS	6.00		3,420
15	Operator Work Station	$ 25,450.00	EA	1.00		25,450
						0

STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
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				LittlePage		
No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	Miscellaneous					0
09	Seismic Restraints, Certification	$ 15,250.00	LS	1.00		15,250
10	Coordination Drawings, Submittals, O&M's Submittals	$ 10,350.00	LS	1.00		10,350
11	Testing, Adjusting, and Balancing	$ 105.00	MH	293.00		30,765
12	Valve Tags, Pipe Identification	$ 6,925.00	LS	1.00		6,925
13	Rigging, Hoisting, Scaffolding	$ 35,450.00	LS	1.00		35,450
						0
						0
	TOTAL HVAC					**$ 1,670,659**
	ELECTRICAL	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Little Page					
01	**LIGHTING FIXTURES AND CKTRY**					0
02	Light Fixutres , New (kitchen ltg to remain)	$ 6.00	SF	33,650.00		201,900
03	Add Em Light Fixtures, Ballasts, etc.	$ 0.50	SF	34,650.00		17,325
04	Lighting Circuitry	$ 1.50	SF	33,650.00		50,475
						0
	Power Circuitry	$ -				0
01	3/4" Emt, 4#10	$ 13.77	LF	1,100.00		15,151
02	1" Emt, 4#6	$ 19.54	LF	400.00		7,815
03	1 1/4" Emt, 4#4	$ 25.16	LF	400.00		10,063
		$ -				0
	Power Equipment	$ -				0
01	225 Amp Panel Board, replace exist	$ 4,994.56	EA	6.00		29,967
02	30 Amp Disconnect	$ 692.47	EA	11.00		7,617
03	60 Amp Disconnect	$ 1,212.86	EA	4.00		4,851
04	100 Amp Disconnect	$ 1,312.16	EA	4.00		5,249
05	Install 10 HP VFD FBO	$ 1,136.03	EA	2.00		2,272
06	Install 20 HP VFD FBO	$ 1,524.79	EA	6.00		9,149
		$ -				0
	Special Systems	$ -				0
01	Fire Alarm, rework exist, remove/reinstall	$ 1.75	SF	30,000.00		52,500
02	Fire Alarm, new	$ 3.50	SF	4,650.00		16,275
03	Telecommunications Systems (new, office)	$ 3.00	SF	4,650.00		13,950
04	Intrusion System, expand exist	$ 1.25	SF	34,650.00		43,313
05	CCTV System, expand exist	$ 1.25	SF	34,650.00		43,313
						0
06	Misc Demo	$ 0.75	SF	30,000.00		22,500
07	Temp Power and Lighting	$ 0.75	SF	34,650.00		25,988
						0
						0
						0
	TOTAL ELECTRICAL					**$ 579,671**
	SITE WORKS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
01	Misc. Site Removals	$ 8.00	SF	5,000	SF	40,000
02	Misc. Site improvements	$ 20.00	SF	5,000	SF	100,000
						0
						0
	TOTAL SITE WORKS					**$ 140,000**
	TOTAL TRADE COST					**$ 5,780,376**

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				Pathfinder		
No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	ROOFS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
01	Remove existing EPDM membrane and roof assembly down to the vapor retarder. (ACM)	$ 8.00	SF	14,500	SF	116,000
02	Remove all perimeter parapet wall flashings and edge metals	$ 8.00	LF	680	SF	5,440
03	Remove existing roof drain strainers	$ 120.00	EA	6	EA	720
04	Remove existing walkway pads	$ 2.00	SF	400	SF	800
						0
	New Roofing					
01	New white EPDM membrane, tapered insulation, and 3 1/2" rigid insulation	$ 14.00	SF	14,500	SF	203,000
02	New perimeter parapet wall flashings and edge metals	$ 25.00	LF	680	LF	17,000
03	New roof drain strainers with lockable type.	$ 800.00	EA	6	EA	4,800
04	New walkway pads with fully-bonded pads.	$ 12.00	SF	400	SF	4,800
05	New fully-bonded walkway pads	$ 12.00	SF	2,000	SF	24,000
06	Remove and reinstall Exhaust Fans	$ 1,200.00	EA	5	EA	6,000
07	Remove and reinstall Antena	$ 2,000.00	EA	1	EA	2,000
08	Remove and reinstall Lighening Rod	$ 1,500.00	EA	1	EA	1,500
09	Remove and reinstall Roof Hatch	$ 1,200.00	EA	1	EA	1,200
10	Remove and reinstall Hatch Cover	$ 20,000.00	EA	1	EA	20,000
11	Misc. Penetrations	$ 5,000.00	LS	1	LS	5,000
						0
						0
						0
	TOTAL ROOFS					$ 412,260
	FACADES	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
01	Patch deteriorated, spalled, and missing sections of cast-in-place	$ 12.00	SF	7,000	SF	84,000
02	Saw cut, where needed	$ 3.00	SF	7,000	SF	21,000
03	Prepare and coat all exposed concrete façade surfaces.	$ 4.00	SF	7,000	SF	28,000
04	Remove all existing sealant joints and replace with new sealant.	$ 2.00	SF	7,000	SF	14,000
05	Prepare, prime, and paint all exposed steel on the building exterior	$ 10,000.00	LS	1	LS	10,000
06	Remove and replace concrete entrance walk at upper level entrance	$ 30.00	SF	200	SF	6,000
07	Apply urethane traffic membrane coating @ concrete loading dock.	$ 6.00	SF	300	SF	1,800
						0
						0
						0
	TOTAL FACADES					$ 164,800
	WINDOWS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
01	Remove all existing curtain wall systems,	$ 8.00	SF	9,000	SF	72,000
02	Provide cavity wall insulation as necessary	$ 4.00	SF	1,000	SF	4,000
						0
	New Curtain Walls					0
01	New high-performance aluminum framed curtain wall systems	$ 90.00	SF	9,000	SF	810,000
02	New interior window treatments	$ 6.00	SF	9,000	SF	54,000
						0
						0
	TOTAL WINDOWS					$ 940,000

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No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	DOORS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
	Remove all existing doors					0
01	Single	$ 150.00	EA	10	EA	1,500
02	Double	$ 200.00	EA	10	EA	2,000
03	provide temporary protection as necessary.	$ 5,000.00	LS	1	LS	5,000
04	Replace rear loading dock door	$ 3,000.00	EA	1	EA	3,000
05	Replace all existing louvers with new fixed units, painted	$ 50.00	SF	100	SF	5,000
	New Doors					
01	New aluminum-framed entrance storefronts at exterior and interior entry vestibules	$ 80.00	SF	1,200	SF	96,000
02	X-cost for New Double Door	$ 4,500.00	EA	4	EA	18,000
	Install new interior Wood Doors					0
03	Single	$ 1,450.00	EA	10	EA	14,500
04	Double	$ 2,400.00	EA	10	EA	24,000
						0
						0
	TOTAL DOORS					**$ 169,000**
	REHABILITATION & ADDITIONS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	CAMPUS POLICE					
	Demolition					
01	ACM Removal					0
a	ACM Cement Board	$ 10.00	SF	250	SF	2,500
b	Ceiling Plaster	$ 12.00	SF	32	SF	384
c	Floor tiles / mastic	$ 6.00	SF	1,000	SF	6,000
d	Window Caulking	$ 12.00	SF	20	SF	240
e	Misc PCB Removals	$ 2.00	GSF	30,000	SF	60,000
02	Temporary Partitions & Misc. Protection	$ 10,000.00	LS	1	LS	10,000
03	Remove Existing Partitions	$ 15.00	LF	220	LF	3,300
04	Remove Existing Doors	$ 150.00	EA	14	EA	2,100
05	Remove Walls for new Door location	$ 300.00	EA		EA	0
06	Remove Existiong Toilet Partitions	$ 160.00	EA		EA	0
07	Remove Existing Floors	$ 1.75	SF	6,500	SF	11,375
08	Remove Existing Ceilings	$ 1.25	SF	6,500	SF	8,125
09	Cut Existing wall in front of entrance	$ 2,000.00	LS	1	LS	2,000
						0
						0
01	Remove and Replace Roof Drains	$ 650.00	EA	6	EA	3,900
02	New Entrance Canopy	$ 150.00	SF	160	SF	24,000
						0
						0
	Interior Construction					
1	New GWB Partitions	$ 8.50	SF	12,500	SF	106,250
2	New CMU Partitions	$ 20.00	SF	300	EA	6,000
						0
3	New Interior Single Door	$ 1,450.00	EA	9	EA	13,050
4	New Interior Glazed Wall between itness Addition & Existing	$ 85.00	SF	1,000	SF	85,000
5	New Clearstory Windows	$ 65.00	SF	240	SF	15,600
						0
6	New Floor Carpet Tiles	$ 4.50	SF	4,500	SF	20,250
7	New VCT	$ 4.25	SF	300	SF	1,275
						0
8	New ACT Ceiling	$ 4.50	SF	4,500	EA	20,250
9	New GWB Ceiling	$ 8.50	SF	300	EA	2,550
						0
10	Paint New & Existing Walls	$ 2.50	SF	34,650	GSF	86,625
11	Wall mounted Mirrors	$ 45.00	SF	640	SF	28,800
12	New Metal Lockers	$ 220.00	EA	25	EA	5,500
						0
	TOTAL REHABILITATION & ADDITIONS					**$ 455,950**

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No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	DINING HALL IMPROVEMENTS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
						0
01	Remove and replace ACT Ceilings	$ 6.00	SF	15,000	SF	90,000
02	Allowance for ACM Removal	$ 4.00	GSF	15,000	SF	60,000
03	Misc. Finishes	$ 10.00	GSF	15,000	GSF	150,000
						0
						0
	TOTAL DINING HALL IMPROVEMENTS					**$ 300,000**
	PLUMBING	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Pathfinder					0
	Plumbing Demolition					0
01	Domestic Hot Water Heat Exchanger Demolition	$ 605.00	EA	1.00		605
02	Waste and Vent Piping Above Slabe Demolition	$ 295.00	FIXTURES	39.00		11,505
03	Camera Scope Existing Sanitary Underslab Piping	$ 1,545.00	LS	1.00		1,545
04	Selectiive Domestic Water Pipng Demolition	$ 7,500.00	ALLOW	1.00		7,500
05	Plumbing Fixture Demoliton w/ Local Piping	$ 485.00	EA	1.00		485
						0
	Sanitary Waste and Vent System					0
01	Sanitary Waste and Vent Branch Piping w/ Ftgs, Hgrs (NHCI)	$ 1,245.00	FIXTURES	39.00		48,555
						0
	Domestic Water Piping					0
01	Replace Selected Domestic Water Piping w/ Ftgs,Hgrs (L Copper)	$ 985.00	FIXTURES	39.00		38,415
02	125# Reduced Pressure Zone Backflow Preventors w/ Valving	$ 4,950.60	EA	2.00		9,901
03	Replace Selected Pipe Insulation	$ 7,580.00	ALLOW	1.00		7,580
						0
	Plumbing Fixtures and Equipment					0
01	Mop Receptors w/ Local Piping	$ 251.63	EA	1.00		252
02	Steam to Water Domestic Hot Water Heat Exchanger	$ 1,030.80	EA	1.00		1,031
03	Domestic Hot Water Antiscald Valve	$ 629.93	EA	1.00		630
04	Domestic Hot Water Expansion Tank	$ 761.63	EA	1.00		762
05	Hot Water Recirculation Pumps	$ 597.00	EA	1.00		597
						0
						0
	TOTAL PLUMBING					**$ 129,362**
	HVAC	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Pathfinder					0
	HVAC Demolition					0
01	Steam Pressure Reducing Valve Demoliton	$ 705.00	EA	1.00	EA	705
02	Condensate Receiver Demolition	$ 505.00	EA	1.00	EA	505
03	Circulator Demolition	$ 395.00	EA	8.00	EA	3,160
04	Cooling Tower Demolition	$ 845.00	EA	1.00	EA	845
05	Air Handling Unit Demoliton	$ 1,165.00	EA	2.00	EA	2,330
06	Selected Fin Tube Radiation Demolition	$ 3,000.00	ALLOW	1.00	ALLOW	3,000
07	Steam Piping Demoliton	$ 3,460.00	LS	1.00	LS	3,460
08	Steam Condensate Piping Demolition	$ 1,730.00	LS	1.00	LS	1,730
09	Chilled Water Piping Demolition	$ 11,100.00	LS	1.00	LS	11,100
10	Heating Water Piping Demolition	$ 29,800.00	LS	1.00	LS	29,800
11	Ductwork Demolition	$ 1.70	SF	30,000.00	SF	51,000
						0
	Ductwork w/ Accessories, Insulation					0
01	Galvanized Ductwork	$ 7.65	LBS	20,450.00	LBS	156,443
02	Grilles, Registers, Diffusers, Louvers, Dampers, Etc.	$ 15,644.25	LS	1.00	LS	15,644
03	Fire Smoke Dampers	$ 4,160.00	ALLOW	1.00	ALLOW	4,160
04	1' Thk Duct Board	$ 9.05	SF	1,485.00	SF	13,439
05	2" Thk Duct Wrap	$ 2.72	SF	9,800.00	SF	26,656
						0

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No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	Steam Piping					0
01	Medium Pressure Steam Piping to Pressure Reducer w/ Ftgs, Hgrs (CS Stan Wt)	$ 90.91	LF	42.00	LF	3,818
02	Low Pressure Steam Piping to Heating Hot Water Heat Exchanger w/ Ftgs, Hgrs (CS Stan Wt)	$ 90.91	LF	63.00	LF	5,727
03	Low Pressure Steam Piping to Domestic Hot Water Heat Exchanger	$ 72.17	LF	63.00	LF	4,547
04	Valving, Specialties at Heating Hot Water Heat Exchanger	$ 8,527.90	LS	1.00	LS	8,528
05	Valving, Specialties at Domestic Hot Water Heat Exchanger	$ 3,920.70	LS	1.00	LS	3,921
06	Fiberglass Pipe Insulation	$ 11.90	LF	168.00	LF	1,999
07	Rod, Gas, Lubricants	$ 780.00	LS	1.00	LS	780
						0
	Steam Condensate Piping					0
01	Pump Condensate Piping w/ Ftgs, Hgrs (CS Xhvy)	$ 73.42	LF	42.00	LF	3,084
02	Steam Condensate Piping from Heating Hot Water Exchanger w/ Ftgs, Hgrs	$ 60.76	LF	63.00	LF	3,828
03	Steam Condensate Piping from Domestic Hot Water Heat Exchanger w/ Ftgs, Hgrs	$ 36.31	LF	63.00	LF	2,288
04	Condensate Drip Leg Piping w/ Ftgs, Hgrs	$ 22.16	LF	21.00	LF	465
05	Flash Tank Vent Piping w/ Ftgs, Hgrs	$ 73.42	LF	84.00	LF	6,167
06	Valving, Specialties at Condensate Reciever	$ 2,286.90	EA	1.00	EA	2,287
07	Valving, Specialties at Heating Hot Water Heat Exchanger	$ 3,840.00	EA	1.00	EA	3,840
08	Valving, Specialties at Domestic Hot Water Heat Exchanger	$ 3,306.00	EA	1.00	EA	3,306
09	Drip Leg Valving, Specialties	$ 749.30	EA	2.00	EA	1,499
10	Fiberglass Pipe Insulation	$ 8.40	LF	273.00	LF	2,293
11	Rod, Gas, Lubricants, Etc.	$ 800.00	LS	1.00	LS	800
						0
	Chilled Water Piping					0
01	Building Loop Main Pipng w/ Ftgs, Hgrs (CS Stan Wt)	$ 73.42	FT	189.00	FT	13,876
02	Chilled Water Runouts to Air Handlers w/ Ftgs, Hgrs	$ 60.31	FT	126.00	FT	7,599
03	Valving, Specialties at Chiller	$ 3,793.00	LS	1.00	LS	3,793
04	Valving, Specialties at Bldg Loop Circulators	$ 5,279.20	EA	2.00	EA	10,558
05	Valving, Specialties at Air Handling Units	$ 3,656.10	EA	2.00	EA	7,312
06	Fiberglass Insulation	$ 12.60	LF	315.00	LF	3,969
07	Rod, Gas, Lubricants	$ 1,400.00	LS	1.00	LS	1,400
						0
	Hot Water Supply and Return					0
01	Heating Hot Water Mechanical Room and Main Piping w/ Ftgs,Hgrs (CS Stan Wt)	$ 58.13	LF	840.00	LF	48,829
02	Heating Hot Water Runout Piping to Air Handling Units w/ Ftgs,Hgrs	$ 54.98	LF	126.00	LF	6,927
03	Heating Hot Water Runout Piping to Reheat Coils, Fin Tube Radiatiion w/ Ftgs, Hgrs (L Copper)	$ 24.67	LF	1,600.00	LF	39,472
04	Valving, Specialties at Heat Exchanger	$ 5,021.20	LF	1.00	LF	5,021
05	Valving, Specialties at Preheat Circulators	$ 5,347.20	EA	2.00	EA	10,694
06	Valving, Specialties at Reheat Circulators	$ 2,919.00	EA	2.00	EA	5,838
07	Valving, Specialties at Air Handling Units	$ 3,199.50	EA	2.00	EA	6,399
08	Valving,Specialties at Reheat Coils	$ 561.30	EA	44.00	EA	24,697
09	Valving, Specialties at Fin Tube Radiation Zones	$ 707.40	EA	12.00	EA	8,489
10	Fiberglass Pipe Insulation	$ 7.36	LF	2,566.00	LF	18,886
11	Rod, Solder, Flux, Gas, Etc	$ 3,800.00	LS	1.00	LS	3,800
						0
	Air Conditioning Condensate Piping					0
01	Air Conditioning Condensate Piping from Air Handling Units	$ 33.08	FT	60.00	FT	1,985
02	Fiberglass Insulation	$ 8.40	FT	60.00	FT	504
03	Solder, Flux, Gas, Etc.	$ 25.00	LS	1.00	LS	25
						0

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No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	Equipment					0
01	Police Station Air Handling Unit 15,000 CFM Variable Volume w/ HW, CHW Coils	$ 99,090.00	EA	1.00	EA	99,090
02	Dining Hall Air Handling Unit 30,000 CFM Variable Volume w/ HW,CHW Coils	$ 187,990.00	EA	1.00	EA	187,990
03	Energy Recovery Unit 11,200 CFM	$ 97,065.00	EA	1.00	EA	97,065
04	Steam to Water Heat Exchanger	$ 15,340.00	EA	1.00	EA	15,340
05	Single Stage Steam Pressure Reducing Statiion	$ 17,825.00	EA	1.00	EA	17,825
06	Duplex Steam Condensate Reciever	$ 14,150.00	EA	1.00	EA	14,150
07	Inline Circulators 3 HP	$ 2,995.00	EA	2.00	EA	5,990
08	End Suction Circulators 15 HP	$ 4,245.00	EA	2.00	EA	8,490
09	End Suction Circulators 20 HP	$ 5,372.00	EA	2.00	EA	10,744
10	End Suction Circulators 15 HP	$ 4,245.00	EA	2.00	EA	8,490
11	Open Circuit Cooling Tower 115 Ton	$ 53,380.00	EA	1.00	EA	53,380
12	Variable Volume Boxe w/ Reheat Coils	$ 798.00	EA	36.00	EA	28,728
13	Commercial Fin Tube Radiation	$ 73.12	LF	40.00	LF	2,925
14	Heating Hot Water Expansion Tank	$ 2,985.00	EA	1.00	EA	2,985
15	Chilled Water Expansion Tank	$ 2,285.00	EA	1.00	EA	2,285
16	Chilled Water Air Separator	$ 4,545.00	EA	1.00	EA	4,545
17	Heating Hot Water Air Separator	$ 3,762.00	EA	1.00	EA	3,762
18	Closed Circuit Chemical Feed Programs	$ 4,732.00	EA	2.00	EA	9,464
19	Open Circuit Chemical Feed Programs	$ 16,460.00	EA	1.00	EA	16,460
20	Miscellaneous Exhaust Fans	$ 4,265.00	EA	2.00	EA	8,530
21	Variable Frequency Drives	$ 3,800.00	EA	13.00	EA	49,400
22	Magnetic Motor Starters	$ 1,125.00	EA	4.00	EA	4,500
						0
	Automatic Temperature Controls					0
01	Police Station Air Handling Unit 15,000 CFM Variable Volume w/ HW, CHW Coils	$ 570.00	PTS	20.00	PTS	11,400
02	Dining Hall Air Handling Unit 30,000 CFM Variable Volume w/ HW,CHW Coils	$ 570.00	PTS	20.00	PTS	11,400
03	Energy Recovery Unit 11,200 CFM	$ 570.00	PTS	16.00	PTS	9,120
04	Steam to Water Heat Exchanger	$ 570.00	PTS	6.00	PTS	3,420
05	Single Stage Steam Pressure Reducing Statiion	$ 570.00	PTS	1.00	PTS	570
06	Duplex Steam Condensate Reciever	$ 570.00	PTS	2.00	PTS	1,140
07	Inline Circulators 3 HP	$ 570.00	PTS	6.00	PTS	3,420
08	End Suction Circulators 15 HP	$ 570.00	PTS	6.00	PTS	3,420
09	End Suction Circulators 20 HP	$ 570.00	PTS	6.00	PTS	3,420
10	End Suction Circulators 15 HP	$ 570.00	PTS	6.00	PTS	3,420
11	Open Circuit Cooling Tower 115 Ton	$ 570.00	PTS	4.00	PTS	2,280
12	Variable Volume Boxe w/ Reheat Coils	$ 570.00	PTS	108.00	PTS	61,560
13	Commercial Fin Tube Radiation	$ 570.00	PTS	24.00	PTS	13,680
14	Miscellaneous Exhaust Fans	$ 570.00	PTS	6.00	PTS	3,420
15	Operator Work Station	$ 25,450.00	EA	1.00	EA	25,450
						0
	Miscellaneous					0
01	Seismic Restraints, Certification	$ 15,250.00	LS	1.00	LS	15,250
02	Coordination Drawings, Submittals, O&M's Submittals	$ 10,350.00	LS	1.00	LS	10,350
03	Testing, Adjusting, and Balancing	$ 105.00	MH	293.00	MH	30,765
04	Valve Tags, Pipe Identification	$ 6,925.00	LS	1.00	LS	6,925
05	Rigging, Hoisting, Scaffolding	$ 35,450.00	LS	1.00	LS	35,450
						0
						0
	TOTAL HVAC					$ 1,521,226

STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
Rehabilitation of & Addition to Glimmerglass Fitness Center &

				Pathfinder		
No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	ELECTRICAL	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Pathfinder					0
	LIGHTING FIXTURES AND CKTRY					0
01	Light Fixutres , New (kitchen ltg to remain)	$ 6.00	SF	29,000.00		174,000
02	Add Em Light Fixtures, Ballasts, etc.	$ 0.50	SF	30,000.00		15,000
03	Lighting Circuitry	$ 1.50	SF	29,000.00		43,500
		$ -				0
	Power Circuitry	$ -				0
01	3/4" Emt, 4#10	$ 13.77	LF	600.00		8,264
02	1" Emt, 4#6	$ 19.54	LF	400.00		7,815
03	1 1/4" Emt, 4#4	$ 25.16	LF	300.00		7,547
		$ -				0
	Power Equipment	$ -				0
01	225 Amp Panel Board, replace exist	$ 4,994.56	EA	7.00		34,962
02	30 Amp Disconnect	$ 692.47	EA	6.00		4,155
03	60 Amp Disconnect	$ 1,212.86	EA	4.00		4,851
04	100 Amp Disconnect	$ 1,312.16	EA	3.00		3,936
05	Install 10 HP VFD FBO	$ 1,136.03	EA	4.00		4,544
06	Install 20 HP VFD FBO	$ 1,524.79	EA	5.00		7,624
		$ -				0
	Special Systems	$ -				0
01	Fire Alarm, rework exist, remove/reinstall	$ 1.75	SF	30,000.00		52,500
02	Telecommunications Systems (new, office)	$ 3.00	SF	1,000.00		3,000
03	Intrusion System, expand exist	$ 1.25	SF	30,000.00		37,500
04	CCTV System, expand exist	$ 1.25	SF	30,000.00		37,500
						0
	Misc Demo	$ 0.75	SF	30,000.00		22,500
	Temp Power and Lighting	$ 0.75	SF	30,000.00		22,500
						0
						0
						0
	TOTAL ELECTRICAL					$ 175,500
	SITE WORKS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
01	Misc. Site Removals	$ 8.00	SF	5,000	SF	40,000
02	Misc. Site improvements	$ 20.00	SF	5,000	SF	100,000
						0
	TOTAL SITE WORKS					$ 140,000
	TOTAL TRADE COST					$ 4,600,760

STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
Rehabilitation of & Addition to Glimmerglass Fitness Center &

				LittlePage Tunnels		
No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	ROOFS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
01	Rehabilitation Joints / Flashings between tunnel & Building	$ 35.00	LF	320	LF	11,200
02	Replace metal counter flashing	$ 25.00	LF	650	SF	16,250
						0
						0
	TOTAL ROOFS					$ 27,450
	FACADES	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
01	Patch deteriorated, spalled, and missing sections of cast-in-place	$ 12.00	SF	3,500	SF	42,000
02	Fill in Doors / Windows	$ 350.00	EA	2	SF	700
03	Prepare and coat all exposed concrete façade surfaces.	$ 4.00	SF	3,500	SF	14,000
04	Remove all existing sealant joints and replace with new sealant.	$ 2.00	SF	3,500	SF	7,000
						0
						0
						0
	TOTAL FACADES					$ 63,700
	WINDOWS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
01	Remove all existing windows	$ 150.00	SF	6	EA	900
02	Provide cavity wall insulation as necessary	$ 4.00	SF	300	SF	1,200
						0
	New Windows					0
01	New Aluminum Windows	$ 75.00	SF	135	SF	10,125
						0
						0
	TOTAL WINDOWS					$ 12,225
	DOORS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
	Remove all existing doors					0
01	Single	$ 150.00	EA	2	EA	300
02	Double	$ 200.00	EA	4	EA	800
03	provide temporary protection as necessary.	$ 3,000.00	LS	1	LS	3,000
	New Doors					
	Install new interior Wood Doors					0
01	Single	$ 1,450.00	EA	2	EA	2,900
02	Double	$ 2,400.00	EA	4	EA	9,600
						0
						0
	TOTAL DOORS					$ 16,600
	PLUMBING	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Littlepage					
	Plumbing Demolition					0
01	Allowance for Roof Drain replacement	$ 3,000.00	LS	1.00	LS	3,000
						0
	TOTAL PLUMBING					$ 3,000

STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
Rehabilitation of & Addition to Glimmerglass Fitness Center &

No.	DESCRIPTION	RATE	UNIT	LittlePage Tunnels Qty	UNIT	AMOUNT
	ELECTRICAL	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Little Page					
	LIGHTING FIXTURES AND CKTRY					0
01	Allowance for Lighting & Power replacement	$ 6,000.00	LS	1.00	LS	6,000
						0
						0
	TOTAL ELECTRICAL					**$ 6,000**
	SITE WORKS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
01	Misc. Site Removals	$ 8.00	SF	1,000		8,000
02	Misc. Site improvements	$ 20.00	SF	1,000		20,000
						0
						0
	TOTAL SITE WORKS					**$ 28,000**
	TOTAL TRADE COST					**$ 156,975**

STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
Rehabilitation of & Addition to Glimmerglass Fitness Center &

				Pathfinder Tunnels		
No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	ROOFS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
01	Rehabilitation Joints / Flashings between tunnel & Building	$ 35.00	LF	320	LF	11,200
02	Replace metal counter flashing	$ 25.00	LF	650	SF	16,250
						0
						0
	TOTAL ROOFS					$ 27,450
	FACADES	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
01	Patch deteriorated, spalled, and missing sections of cast-in-place	$ 12.00	SF	3,400	SF	40,800
02	Fill in Doors / Windows	$ 350.00	EA	2	SF	700
03	Prepare and coat all exposed concrete façade surfaces.	$ 4.00	SF	3,400	SF	13,600
04	Remove all existing sealant joints and replace with new sealant.	$ 2.00	SF	3,400	SF	6,800
05	Rehabilitate exterior corner concrete stairway	$ 10,000.00	LS	1	LS	10,000
						0
						0
						0
	TOTAL FACADES					$ 71,900
	WINDOWS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
01	Remove all existing windows	$ 150.00	SF	22	EA	3,300
02	Provide cavity wall insulation as necessary	$ 4.00	SF	300	SF	1,200
						0
	New Windows					0
01	New Aluminum Windows	$ 75.00	SF	495	SF	37,125
						0
						0
	TOTAL WINDOWS					$ 41,625
	DOORS	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Demolition					
	Remove all existing doors					0
01	Single	$ 150.00	EA	2	EA	300
02	Double	$ 200.00	EA	4	EA	800
03	provide temporary protection as necessary.	$ 3,000.00	LS	1	LS	3,000
	New Doors					
	Install new interior Wood Doors					0
01	Single	$ 1,450.00	EA	2	EA	2,900
02	Double	$ 2,400.00	EA	4	EA	9,600
						0
						0
	TOTAL DOORS					$ 16,600
	PLUMBING	**UNIT PRICE**	**UNIT**	**QUANTITY**	**UNIT**	**AMOUNT**
	Littlepage					
	Plumbing Demolition					0
01	Allowance for Roof Drain replacement	$ 3,000.00	LS	1.00	LS	3,000
						0
	TOTAL PLUMBING					$ 3,000

STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
Rehabilitation of & Addition to Glimmerglass Fitness Center &

				Pathfinder Tunnels		
No.	DESCRIPTION	RATE	UNIT	Qty	UNIT	AMOUNT
	ELECTRICAL	UNIT PRICE	UNIT	QUANTITY	UNIT	AMOUNT
	Little Page					
	LIGHTING FIXTURES AND CKTRY					0
01	Allowance for Lighting & Power replacement	$ 6,000.00	LS	1.00	LS	6,000
						0
						0
	TOTAL ELECTRICAL					$ 6,000
	SITE WORKS	UNIT PRICE	UNIT	QUANTITY	UNIT	AMOUNT
01	Misc. Site Removals	$ 8.00	SF	1,000		8,000
02	Misc. Site improvements	$ 20.00	SF	1,000		20,000
						0
						0
	TOTAL SITE WORKS					$ 28,000
	TOTAL TRADE COST					$ 194,575

REHABILITATION OF & ADDITION TO GLIMMERGLASS FITNESS CENTER &
EXTERIOR BUILDING SHELL IMPROVEMENTS AT LITTLEPAGE AND PATHFINDER
DINING HALLS
STATE UNIVERSITY OF NEW YORK COLLEGE AT OSWEGO
DASNY PROJECT JDE # 299390
FAA PROJECT # 11024.06

5. MEETING MINUTES

A. Design Kick-Off Meeting 4-9-2012

B. Design Meeting #1 5-21-2012

C. Design Meeting #2 – Glimmerglass Fitness Center 6-11-2012

D. Design Meeting #3 – Littlepage/Pathfinder Dining Hall 6-11-2012

E. Design Meeting #4 – University Police Dispatch Center 6-11-2012

SUNY Oswego
Glimmerglass Fitness and Dining Hall Rehabilitation
DASNY #299390

Design Kick-Off Meeting
Meeting Date: April 9, 2012

Location: SUNY Oswego Facilities, Conference Room

Attendees:		
	Tom Simmonds	SUNY Oswego
	Tom LaMere	SUNY Oswego
	Janine Turner	SUNY Oswego
	Fred Clark	DASNY
	Andy Pappalardo	CHA
	Gregory Carballada	Foit-Albert Assoc.

1. Introduction:

    1.1 Meeting was opened with introductions.

2. Project Scope:

    2.1 Glimmerglass Fitness Center:
        A. The renovation and expansion of the existing Glimmerglass Fitness Center located on the lower level of Littlepage Dining Hall. The scope of the renovations and addition shall follow the SUNY Oswego Fitness / Student Activities Master Plan dated December 2011.

    2.2 Littlepage Dining Hall:
        A. Mechanical System Upgrades: Scope to be determined.
        B. Building Shell improvements: Scope of the improvements shall follow the West Campus Dining Hall Building Shell Improvements Feasibility Study dated May 10, 2011.

    2.3 Pathfinder Dining Hall:
        A. Mechanical System Upgrades: Scope to be determined.
        B. Building Shell improvements: Scope of the improvements shall follow the West Campus Dining Hall Building Shell Improvements Feasibility Study dated May 10, 2011.
        C. University Police Program Upgrades: Scope to be determined.

3. Open Discussion:

    3.1 It was noted that the building shell work at the dining halls will follow the recently completed shell renovations on the adjacent resident halls.

3.2 Roof replacement will be part of the building shell work.

3.3 The feasibility study proposed some new window configurations. Design team to review and comment.

3.4 The Glimmerglass addition will follow mandated energy requirements; However the College does not anticipate pursuing LEED certification.

3.5 The master plan made some assumptions about the placement of toilet rooms and locker rooms that need to be reviewed. There may be conflicts with existing equipment. The stairs up to the dining common level are not used. The design team will speak with dining staff to determine what the plans are for the future of the stair. The design team should look at circulation and include outside access to fitness area.

3.6 The design team will meet with the University Police to determine a scope of work. Some of the issues that have been discussed are as follows:

A. High noise levels with the existing mechanical systems.
B. Ceiling tile issues that appear to be related to the mechanical systems.
C. Lack of privacy at specific window locations.
D. Possible renovations at the dispatch area.

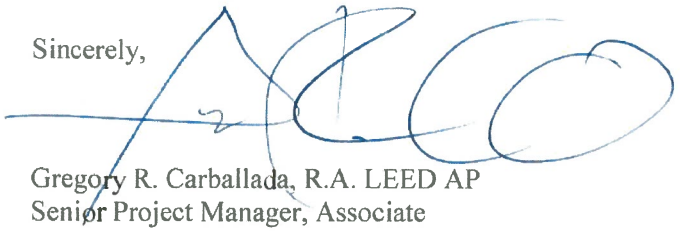
3.7 The $750,000.00 amount included in the project budget for mechanical system upgrades at both Littlepage and Pathfinder was based on an in-house assessment performed by Tom LaMere and John Moore. Tom will provide a copy of the assessment. The design team will perform a mechanical system survey, and analysis to verify the scope of work. Hazardous materials will need to be surveyed in that area. It is anticipated that the survey will be conducted with in approximately 4 weeks.

4. Next Scheduled Meeting:

Date:	TBD
Time:	TBD
Location:	TBD

The above is my summation of our meeting. If you have any additions and/or corrections, please contact FAA (me) for incorporation into these minutes. After 48 hours we will accept these minutes as an accurate summary of our discussion and enter them into the permanent record of the project.

Sincerely,



Gregory R. Carballada, R.A. LEED AP
Senior Project Manager, Associate
FOIT-ALBERT ASSOCIATES
ARCHITECTURE, ENGINEERING, AND SURVEYING, P.C

FoitAlbert ASSOCIATES

Architecture.
Engineering.
Surveying.

JOB _____ CALCULATED BY _____ DATE 4.9.2012

SHEET NO. _____ OF _____ CHECKED BY _____ DATE _____

SCALE _____

OSWEGO

GREG CARBALLADA — FOIT-ALBERT ASSOC.

FRED CLARK — DASNY

TOM SIMMONDS — OSU FACILITIES

JANINE TURNER — PLANNING COORDINATOR, campus

TOM LAMKER — DIRECTOR FDC OSWEGO

ANDY PAPPALARDO — CHA

May 30, 2012

SUNY Oswego
Littlepage and Pathfinder Dining Hall Shell Renovations &
Glimmerglass Fitness Center addition at Littlepage
DASNY #299390

Design Meeting #1
Meeting Date: May 21, 2012 at 10:00 AM

Location: SUNY Oswego Facilities, Conference Room

Attendees:		
	Tom Simmonds	SUNY Oswego
	Tom LaMere	SUNY Oswego
	Janine Turner	SUNY Oswego
	Gregory Carballada	Foit-Albert Assoc.
	Jennifer Kensy	Foit-Albert Assoc.
	Andy Pappalardo	CHA
	Karl Leabo	CHA
	Shaun DeMaranville	CHA
	Joe DeLaBruere	CHA

1. Introduction:
    a. Meeting was opened with introductions. (Sign-in sheet attached)

2. Schedule:

    a. Tom S. requested design team identify specific projects including budget, phasing, etc. during the pre-Schematic/Schematic phase.

    b. Design team to revise schedule to include specific milestone dates for report submissions.

3. Project Scope:

    a. Scope of work discussed and identified. (See attached)

4. Open Discussion:

    a. Comments for both Littlepage and Pathfinder Dining Halls:

        1. Building facades don't need to make an aggressive statement, but they do lack a sense of entry.
        2. The loading dock areas are "gnarly" and often used as smoking areas.
        3. Need to look at the egress paths.
        4. Need to determine the need for security screens on windows. If required, will need to take into account how the installed screens will affect the buildings' aesthetics.

5. Design team shall model proposed window designs for Owner review. Existing window treatments will not be reused. Window design should not necessarily match but "blend" with recently renovated adjacent Residence Halls. It was noted that slider windows have not worked well on campus and double-hung windows were used in the adjacent Residence Halls.
6. Need to address the appearance of any proposed rooftop equipment. Consider painting elements in lieu of louver screens and avoid railings where possible.
7. An existing conditions assessment to address MEP budget items will follow this meeting. Campus staff John Bricker (HVAC) and Mike Sterling (Plumbing) are a resource for MEP team.

b. Comments for Littlepage Dining Hall:

1. May consider eliminating the existing interior stair connecting the dining hall and fitness center. This existing interior stair has already been enclosed and used only as an emergency exit route. It does not meet current code. A similar interior stair in Pathfinder has already been eliminated.
2. May consider a vegetation roof on the new Glimmerglass Fitness Center addition for visual purposes.
3. Design team shall provide a proposed cross-section of the new wall connection highlighting the interconnection between the 1-story addition, the dining façade above, and all coordinated mechanicals. Also need to confirm the interior and exterior heights of the proposed addition.

c. Exterior shell improvements at the four (4) connecting tunnels adjacent to Littlepage and Pathfinder Dining Halls are to be included in the project scope. Doors at the connecting tunnels were noted to be in poor condition.

d. It was noted that work on a Communications Project by RTKL is currently in progress to update campus data systems which may impact any work at the University police Dispatch Center.

e. Meetings will be scheduled to meet with representatives for the dining hall (Craig), fitness center (Brian), and police dept. (Cindy) to discuss the following:

1. Dining – How their systems work, space functioning and finishes.
2. Fitness – Space functioning and equipment needs.
3. Police – HVAC issues, moisture issues, space functioning and control concerns.

5. Next Scheduled Meeting:

Date:	TBD
Time:	TBD
Location:	TBD

The above is my summation of our meeting. If you have any additions and/or corrections, please contact FAA (me) for incorporation into these minutes. After 48 hours we will accept these minutes as an accurate summary of our discussion and enter them into the permanent record of the project.

Sincerely,

Gregory R. Carballada, R.A. LEED AP
Senior Project Manager, Associate
FOIT-ALBERT ASSOCIATES
ARCHITECTURE, ENGINEERING, AND SURVEYING, P.C

SIGN-IN Sheet

DATE: 5-21-2012

SUNY Oswego
Littlepage and Pathfinder Renovations including Glimmerglass Fitness Center addition at Littlepage
F/A PROJECT #12021

NAME	COMPANY	PHONE	E-MAIL
Jennifer Kensy	Foit-Albert Assoc.	716-856-3933	jkensy@foit-albert.com
GREG CARBALLADA	F/A		
TOM SIMMONDS	SUNY OSWEGO		
TOM LAMERE	SUNY OSWEGO		
JANINE TURNER	SUNY OSWEGO	315-312-2873	
Joe DeLaBruere	CHA	585-232-5610	
ANDY PAPPALARDO	CHA	"	
Shaun DeMaranville	CHA	518-453-4546	
KARL LOMBO	CHA	978-369-2830	

Project Scope of Work

SUNY Oswego - Littlepage and Pathfinder Dining Halls including Connecting Tunnels
5-30-12

LITTLEPAGE DINING HALL

Building Shell Improvements:

- Existing concrete façade will be patched and repaired where required, then treated with a wall coating (in Parkland finish)
- New aluminum windows and frames including new window treatments
- New HM doors and frames
- Roof replacement
- New exterior lighting
- Repairs to loading dock areas - stairs, railings, bumper pads, etc.

Mechanical System Upgrades:

- New roof top unit
- Duct and air distribution
- New kitchen hoods
- Replace kitchen ceiling
- New chiller
- New HVAC units (2) with VAV boxes
- Controls
- Electrical

Glimmerglass Fitness Center Addition & Renovations:

- New single-story fitness center addition to building's east façade
- New single-story entry vestibule addition to building's south façade
- Fitness reception area
- Fitness area
- Multipurpose room
- Men's and Women's Locker Suites including new plumbing fixtures and new lockers
- Two (2) fitness offices
- Two (2) fitness storage areas
- New doors, windows, finishes
- New interior lighting

PATHFINDER DINING HALL

Building Shell Improvements:

- Existing concrete façade will be patched and repaired where required, then treated with a wall coating (in Parkland finish)
- New aluminum windows and frames including new window treatments
- New HM doors and frames
- Roof replacement

- New exterior lighting
- Repairs to loading dock areas - stairs, railings, bumper pads, etc.

Mechanical System Upgrades:

- New roof top unit
- Duct and air distribution
- New kitchen hoods
- Replace kitchen ceiling
- New chiller
- New HVAC units (2) with VAV boxes
- Controls
- Electrical

Renovation of Existing Spaces:

- University Police Dispatch Center scope of work to be determined, but may include:
    - HVAC noise issues
    - HVAC condensation issues - ceiling tiles are sagging
    - Possible fit and finish upgrades
    - Coordinate any window issues

CONNECTING TUNNELS

Building Shell Improvements:

- Existing concrete façade will be patched and repaired where required, then treated with a wall coating (in Parkland finish)
- New aluminum windows and frames
- New HM doors and frames
- New exterior lighting.

Renovation of Interior Spaces:

- Possible new finishes to be determined

MEETING MINUTES

No. 002

763 Main Street
Buffalo, NY 14203

Phone: 716856-3933
Fax: 716-856-3961

PROJECT TITLE: 299390--OSWGC-Fitness Center Rehab:

MEETING DATE: 6/11/2012 9:30 am

SUBJECT: Design Meeting-Glimmerglass Fitness Center

LOCATION: SUNY Oswego

DID ATTEND	INITIALS	ATTENDEE NAME	COMPANY NAME
Y		Joe DeLaBruere	CHA
Y		Karl Leabo	CHA
Y		Shaun DeMaranville	CHA
Y	GC	Gregory Carballada	Foit-Albert & Assoc., P.C.
Y		Jennifer Kensy	Foit-Albert & Assoc., P.C.
Y		Brittany Smart	SUC At Oswego
Y		Brian Wallace	SUC At Oswego
Y		Rick Kolenda	SUC At Oswego
Y	TS	Tom Simmonds	SUC At Oswego

ITEM	DESCRIPTION	STATUS	STARTED	DUE	BALL IN COURT
A	INTRODUCTION	OPN			
1002001	The meeting was opened with Introductions. (Sign-In Sheet Attached).	OPN			
1002002	Purpose of this meeting to discuss current fitness center operations and establish preferences for fitness center renovations.	NEW			
B	FITNESS CENTER BACKGROUND	NEW			
2002001	Approximately 2,300-2,500 students in west campus area.	NEW			
2002002	Currently 2 fitness centers on campus (Glimmerglass & Cooper).	NEW			
2002003	Membership based; 60% of west campus residents are members.	NEW			
2002004	101,000 card swipes annually; 57,000 at Glimmerglass (attendance is up) & 43,000 at Cooper (attendance is down).	NEW			
2002005	Fairly consistent use patterns: 3:00-8:00pm peak; 3:30-6:00pm crowded, dinner lull, then 7:00-8:30 crowded again.	NEW			
2002006	Average day = 500-600 members; 200-300 at peak.	NEW			
2002007	Hours: 7:00am – 10:00pm weekdays; 10:00am – 8:00pm weekends.	NEW			
2002008	Personal training hub currently.	NEW			
2002009	Cardio machines often have short waiting times during peak attendance.	NEW			
2002010	There are currently no showers in Glimmerglass.	NEW			
C	FITNESS CENTER PREFERENCES	NEW			
3002001	Single point entry.	NEW			
3002002	Want to create a open and inviting atmosphere.	NEW			
3002003	Lockable cubicle (12"x12"x12') storage, shoe changing area with bench and perhaps open shoe storage cubbies adjacent/visible to front desk.	NEW			
3002004	1-2 showers in locker rooms.	NEW			

MEETING MINUTES

No. 002

763 Main Street
Buffalo, NY 14203

Phone: 716856-3933
Fax: 716-856-3961

PROJECT TITLE: 299390--OSWGC-Fitness Center Rehab:

MEETING DATE: 6/11/2012 9:30 am

SUBJECT: Design Meeting-Glimmerglass Fitness Center

LOCATION: SUNY Oswego

ITEM	DESCRIPTION	STATUS	STARTED	DUE	BALL IN COURT
3002005	Look at south and north sides for entry location; preference may be to north due to volume of users to the north.	NEW			
3002006	2 offices total, 3 workstations (2/1), one office to function as private evaluation room for personal trainer.	NEW			
3002007	General storage room in diagram could be smaller (office sized?).	NEW			
3002008	Currently multipurpose room is roughly the correct size if storage component is relocated to a dedicated storage room.	NEW			
3002009	Multipurpose storage is to be used by students; it shouldn't be that closed off but still have close door option, shall house platforms, plyometric equipment, stability balls and the like.	NEW			
3002010	Multipurpose room shall have mirrors on one long and one short wall, natural lighting is important, but views are secondary.	NEW			
3002011	Need open floor space in fitness area for floor exercise, abdominal workouts and stretching.	NEW			
3002012	Design team to look at lockers to the west side, lockers at the entry side and remodeled lockers/showers in current toilet location [the latter being the most cost effective].	NEW			
3002013	Offices and general storage could go on west side, as offices don't need visual contact to fitness area.	NEW			
3002014	Design team was provided current equipment layout plan at Glimmerglass by SUNY Oswego for reference (attached).	NEW			
D	LITTLEPAGE BUILDING CONSIDERATIONS	NEW			
4002001	High voltage lines in northwest corner of exterior wall and tunnel; high cost relocation.	NEW			
4002002	Existing interior stairs connecting dining area and fitness center can be removed.	NEW			
4002003	Design team to look at code implications of sanitary facility requirement at dining room level.	NEW			
4002004	Dedicated primary circulation pattern should be articulated at core.	NEW			
4002005	Would extend hydronic to the addition; will require new radiators along the new glazed walls.	NEW			
4002006	Will address airflow issues; currently the area is too stuffy.	NEW			
4002007	No operable windows; natural ventilation is not desired.	NEW			
4002008	Need to determine where sanitary line leaves building.	NEW			
4002009	Need to determine scope of finishes at adjacent corridor: paint walls, overlay over existing floor or provide new, need to test mastic of existing floor tile and base for asbestos containing materials.	NEW			
E	KEY ITEMS TO ADDRESS	NEW			
5002001	Location for main entry vestibule.	NEW			

MEETING MINUTES

No. 002

763 Main Street
Buffalo, NY 14203

Phone: 716856-3933
Fax: 716-856-3961

PROJECT TITLE: 299390--OSWGC-Fitness Center Rehab:

MEETING DATE: 6/11/2012 9:30 am

SUBJECT: Design Meeting-Glimmerglass Fitness Center

LOCATION: SUNY Oswego

ITEM	DESCRIPTION	STATUS	STARTED	DUE	BALL IN COURT
5002002	Possibility of tiered fitness center area at addition.	NEW			
5002003	Removal of existing interior stairs to accommodate new bathrooms/locker rooms.	NEW			
F	CLOSING	NEW			
6002001	Next Scheduled Meeting: Date: TBD Time: TBD Location: TBD	NEW			
6002002	The above is my summation of our meeting. If you have any additions and/or corrections, please contact FAA (me) for incorporation into these minutes. After 48 hours we will accept these minutes as an accurate summary of our discussion and enter them into the permanent record of the project. Sincerely, Gregory R. Carballada, R.A. LEED AP Senior Project Manager, Associate FOIT-ALBERT ASSOCIATES ARCHITECTURE, ENGINEERING, AND SURVEYING, P.C	NEW			

Prepared By: Foit-Albert & Assoc., P.C.

Signed: _____ **Dated:** 6-20-2012

The above represents the items as discussed. If anyone has any changes please contact this office within 48 hrs.

MEETING MINUTES

No. 003

763 Main Street
Buffalo, NY 14203

Phone: 716856-3933
Fax: 716-856-3961

PROJECT TITLE: 299390--OSWGC-Fitness Center Rehab:

MEETING DATE: 6/11/2012 1:00 pm

SUBJECT: Design Meeting-Littlepage/Pathfinder Dining Hall

LOCATION: SUNY Oswego

DID ATTEND	INITIALS	ATTENDEE NAME	COMPANY NAME
Y		Joe DeLaBruere	CHA
Y		Karl Leabo	CHA
Y		Shaun DeMaranville	CHA
Y		Craig Traub	Dining Services
Y		Michael Flaherty	Dining Services
Y	GC	Gregory Carballada	Foit-Albert & Assoc., P.C.
Y		Jennifer Kensy	Foit-Albert & Assoc., P.C.
Y		Brittany Smart	SUC At Oswego
Y		Mary Depentu	SUC At Oswego
Y		Rick Kolenda	SUC At Oswego
Y		Tom LaMere	SUC At Oswego
Y	TS	Tom Simmonds	SUC At Oswego

ITEM	DESCRIPTION	STATUS	STARTED	DUE	BALL IN COURT
A	INTRODUCTION	OPN			
1002001	The meeting was opened with Introductions. (Sign-In Sheet Attached).	OPN			
1003002	Purpose of this meeting to discuss current dining hall operations and establish preferences for the dining halls at Littlepage and Pathfinder as they may pertain to the expected exterior building shell improvements.	NEW			
B	DINING HALLS BACKGROUND	NEW			
2003001	HVAC is the biggest issue to resolve and priority #1; no house control of HVAC systems.	NEW			
2003002	Existing air recovery unit does not appear to work.	NEW			
2003003	Existing sun shades work well and are cleaned often.	NEW			
2003004	Hot kitchens, solar gain in Spring and Fall, cold in Winter are significant issues.	NEW			
2003005	Hours of Operation: Littlepage open 7:00am – 11:30pm (late night facility); Pathfinder open 7:00am - 7:00pm.	NEW			
2003006	Existing kitchen equipment is in good condition.	NEW			
2003007	2 single line servers are not ideal (out-dated) but in good condition, secondary bars for drinks, salads, desserts have been added; multiple stations are preferred (similar to Lakeside).	NEW			
2003008	Existing dining room finishes are acceptable.	NEW			
2003009	At-grade doors are rarely used; connecting tunnels are primary traffic.	NEW			
2003010	Existing railing infill (plywood) at stair guards should be looked at for aesthetics and code compliance.	NEW			
2003011	At Pathfinder: east stair is entrance, west stair is exit.	NEW			
2003012	Loading dock is functional, but some sort of screening would be an enhancement and employee parking is of critical importance.	NEW			

MEETING MINUTES

No. 003

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PROJECT TITLE: 299390--OSWGC-Fitness Center Rehab:

MEETING DATE: 6/11/2012 1:00 pm

SUBJECT: Design Meeting-Littlepage/Pathfinder Dining Hall

LOCATION: SUNY Oswego

ITEM	DESCRIPTION	STATUS	STARTED	DUE	BALL IN COURT
2003013	Dumpsters are an eyesore; pick-up is Monday - Friday.	NEW			
2003014	No building drainage issues observed.	NEW			
C	DINING HALLS PREFERENCES AND CONSIDERATIONS	NEW			
3003001	Improve HVAC and establish comfortable working (kitchen) and dining environment; look at cooling in kitchen (chiller size, capacity).	NEW			
3003002	Client does not want operable windows.	NEW			
3003003	Look at light-colored modified bitumen sheet for roof to reduce some solar gain at rooftop equipment.	NEW			
3003004	Integrate serving stations (similar to Lakeside) into existing straight line cafeteria system.	NEW			
3003005	Focus on windows and window treatments for dining area, not so much on the current room finishes.	NEW			
3003006	Will consider different types of glazing, available clear vs. "Frit".	NEW			
3003007	Need to integrate pedestrian/car/truck traffic patterns at entrance areas.	NEW			
D	CLOSING	OPN			
4002001	Next Scheduled Meeting: Date: TBD Time: TBD Location: TBD	OPN			
4002002	The above is my summation of our meeting. If you have any additions and/or corrections, please contact FAA (me) for incorporation into these minutes. After 48 hours we will accept these minutes as an accurate summary of our discussion and enter them into the permanent record of the project. Sincerely, Gregory R. Carballada, R.A. LEED AP Senior Project Manager, Associate FOIT-ALBERT ASSOCIATES ARCHITECTURE, ENGINEERING, AND SURVEYING, P.C	OPN			

Prepared By: Foit-Albert & Assoc., P.C.

Signed: _____ **Dated:** 6-20-2012

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MEETING MINUTES

No. 004

763 Main Street
Buffalo, NY 14203

Phone: 716856-3933
Fax: 716-856-3961

PROJECT TITLE: 299390--OSWGC-Fitness Center Rehab:

MEETING DATE: 6/11/2012 2:45 pm

SUBJECT: Design Meeting-University Police Dispatch Center

LOCATION: SUNY Oswego

DID ATTEND	INITIALS	ATTENDEE NAME	COMPANY NAME
Y		Joe DeLaBruere	CHA
Y		Karl Leabo	CHA
Y		Shaun DeMaranville	CHA
Y	GC	Gregory Carballada	Foit-Albert & Assoc., P.C.
Y		Jennifer Kensy	Foit-Albert & Assoc., P.C.
Y		Brittany Smart	SUC At Oswego
Y		Cynthia Adam	SUC At Oswego-Police
Y		Rick Kolenda	SUC At Oswego
Y		Tom LaMere	SUC At Oswego

ITEM	DESCRIPTION	STATUS	STARTED	DUE	BALL IN COURT
A	INTRODUCTION	OPN			
1002001	The meeting was opened with Introductions. (Sign-In Sheet Attached).	OPN			
1004002	Purpose of this meeting to discuss current university police dispatch center operations and establish preferences for possible renovations as thy may pertain to the expected exterior building shell improvements.	NEW			
B	UNIVERSITY POLICE DISPATCH CENTER BACKGROUND	NEW			
2004001	Center location is good.	NEW			
2004002	Current building exterior does not adequately (easily) identify Police are there.	NEW			
2004003	Access road is not well lit.	NEW			
2004004	Department space developed from non-traditional student housing suites.	NEW			
2004005	Current operations "horseshoe" layout is not ideal.	NEW			
2004006	Existing windows are a security issue.	NEW			
2004007	Multiple systems (fire alarm, burglar alarms, security, CCTV, etc.) are monitored in the communication/dispatch center.	NEW			
2004008	Need a new communications plan; previous multiple single systems have now been retired so there really is none.	NEW			
2004009	RTKL has been hired by client to work on a campus communications project.	NEW			

MEETING MINUTES

No. 004

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PROJECT TITLE: 299390--OSWGC-Fitness Center Rehab:

MEETING DATE: 6/11/2012 2:45 pm

SUBJECT: Design Meeting-University Police Dispatch Center

LOCATION: SUNY Oswego

ITEM	DESCRIPTION	STATUS	STARTED	DUE	BALL IN COURT
2004010	Communication/dispatch center issues: 1. Needs technological upgrades. 2. Too small. 3. Should be welcoming to visitors but securable from waiting area. 4. Too many different computer monitors and systems to look at, all systems should be combined into one monitor (split screen). 5. Can be more open (to back) 6. Raised floor not important. 7. SUNY Cortland and Syracuse have ideal layouts.	NEW			
2004011	Current security system is Millennium; department needs Millennium access door system at exterior doors.	NEW			
2004012	Need cameras to monitor all exterior doors and elevator lobbies throughout campus.	NEW			
2004013	Need cameras and audio recorders in booking room.	NEW			
2004014	Need juvenile interview and interrogation room (ideally).	NEW			
2004015	Need better exterior lighting around building.	NEW			
2004016	Currently only 1 dispatcher on duty, should plan for 2.	NEW			
2004017	Existing fire systems in relatively good shape.	NEW			
2004018	Existing security systems are deficient.	NEW			
2004019	Need double door vestibule system on evidence room for accreditation, walls must extend to structure.	NEW			
2004020	Existing workout room too small.	NEW			
2004021	Existing conference room HVAC too loud.	NEW			
2004022	(3) Lieutenant open office space too small.	NEW			
2004023	Existing squad room needs improved finishes.	NEW			
2004024	Existing storage/records area leaks due to overhead kitchen.	NEW			
2004025	Existing ammunitions room is exhausted.	NEW			
2004026	Old secretary office/waiting area east of dispatch can be reduced.	NEW			
C	UNIVERSITY POLICE DISPATCH CENTER PREFERENCES AND CONSIDERATIONS	NEW			
3004001	Look into what it takes to be an accredited facility. Client is to provide accreditation information to the design team for review.	NEW			
3004002	Look at existing floor plan to better utilize current spaces as well as underutilized spaces.	NEW			
3004003	Look into improved exterior lighting, have façade identify U. Police presence.	NEW			
3004004	Look into existing HVAC equipment to resolve noise issues and inconsistent temperature control (often too hot in the summer).	NEW			

MEETING MINUTES

No. 004

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PROJECT TITLE: 299390--OSWGC-Fitness Center Rehab: **MEETING DATE:** 6/11/2012 2:45 pm

SUBJECT: Design Meeting-University Police Dispatch Center **LOCATION:** SUNY Oswego

ITEM	DESCRIPTION	STATUS	STARTED	DUE	BALL IN COURT
3004005	Look into requirements whether firearms room may need to be exhausted.	NEW			
3004006	Look into leaks occurring under existing overhead kitchen.	NEW			
D	CLOSING	OPN			
4002001	Next Scheduled Meeting: Date: TBD Time: TBD Location: TBD	OPN			
4002002	The above is my summation of our meeting. If you have any additions and/or corrections, please contact FAA (me) for incorporation into these minutes. After 48 hours we will accept these minutes as an accurate summary of our discussion and enter them into the permanent record of the project. Sincerely, Gregory R. Carballada, R.A. LEED AP Senior Project Manager, Associate FOIT-ALBERT ASSOCIATES ARCHITECTURE, ENGINEERING, AND SURVEYING, P.C	OPN			

Prepared By: Foit-Albert & Assoc., P.C.

Signed: _____ **Dated:** 6.20.2012

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