Date:	October 27, 2022	**From:**	Wight & Company
		Project:	Transition Building (T99) Addition
Subject:	ADDENDUM #2		
		Project No:	220082

This addendum forms a part of the Bidding Contract Documents, dated October 17, 2022. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form. Revisions are clouded and tagged throughout the drawings with Delta 1.

Attached are Scope of Work:

BP#3 Concrete Building and Site, BP#8 General Trades, BP#10 Electrical, BP#11 HVAC, BP#19 Painting, BP#20 Landscaping, BP#21 Signage, and BP#22 Asphalt Paving.

Attached are Bid Forms:

BP#8 General Trades, BP#19 Painting and BP#21 Signage.

Attached:

- **Soil Report**
- **Site Logistics Plan**
- **Question and Answer Log**

I. Drawings

ARCHITECTURAL

1. ***SHEET A2.01*** *(*FULL SIZE SHEET REISSUED)
    - Room 6 revised to Conference.
    - Room 17 revised to Office.
    - Casework moved from room 100A to 17.

- Roof Hatch moved from room 17 to 16.
- Alternate 9 added.
- Revised ALT 4 to call out for new light fixtures.
- Revised Architectural Monumental Sign as Alternate 10.

2. ***SHEET A2.02*** *(*FULL SIZE SHEET REISSUED)
    - Relocated roof hatch.
    - Revised roof note to show min. 5.5" insulation.

3. ***SHEET A3.01*** *(*FULL SIZE SHEET REISSUED)
    - Ceiling added and revised light fixture types in Office room no, 17.
    - Relocated roof hatch.

4. ***SHEET A5.00*** *(*FULL SIZE SHEET REISSUED)
    - Typical wall construction note revised.

5. ***SHEET A5.01*** *(*FULL SIZE SHEET REISSUED)
    - Typical wall construction note revised.

6. ***SHEET A7.00*** *(*FULL SIZE SHEET REISSUED)
    - PL-3 eliminated.

7. ***SHEET A7.01 (***FULL SIZE SHEET REISSUED)
    - Revised plan and elevation details 13 and 14 to show Office room no 17 in lieu of 100A.
    - Updated Toilet Room Accessory List to show model numbers.

8. ***SHEET A7.02*** *(*FULL SIZE SHEET REISSUED)
    - Eliminated elevations 4,5 and 8 showing custom wall graphics in rooms 3,4 and 5.

9. ***SHEET A8.00*** *(*FULL SIZE SHEET REISSUED)
    - Revised door 017 elevation type and door hardware.
    - Revised bottom panel dimension to 10" for door type FG.
    - Irrelevant door notes removed.

10. ***SHEET A9.00*** *(*FULL SIZE SHEET REISSUED)
    - Revised counter detail 1 to show 2" gap to the wall.

- Added required clearances for ADA at sink casework section detail no 2.

11. ***SHEET A10.00*** *(*FULL SIZE SHEET REISSUED)
    - Custom wall graphics revised to PT-10 in rooms 3,4 and 5.
    - Revised finishes in Office room no 17.
    - Alternate 9 added to existing Office 100A.
    - PL-3 removed from finish schedule.
    -
12. ***SHEET A12.00*** *(*FULL SIZE SHEET REISSUED)
    - Revised Office (room no 17) signage type.

MECHANICAL

13. ***SHEET M2.01A (***FULL SIZE SHEET REISSUED)
    - Diffuser added to Office (room no 17).

ELECTRICAL

14. ***SHEET E0.01*** *(*FULL SIZE SHEET REISSUED)
    - Hand Dryer added to Electrical Fixtures list.

15. ***SHEET Ed2.01*** *(*FULL SIZE SHEET REISSUED)
    - Notes 1 and 5 revised.

16. ***SHEET E2.01*** *(*FULL SIZE SHEET REISSUED)
    - Revised conduit routing to show approximate route of feeder conductors to and from panel MPDA and of the grounding Electrode Conductor for the concrete encased electrode.
    - Existing panels added.
    - Power and data added to room no 17.
    - Card reader revised to new.
    -
17. ***SHEET E2.02*** *(*FULL SIZE SHEET REISSUED)
    - Keynote 2 revised to call out existing disconnect to be mounted to relocated condensing units.

18. ***SHEET E3.01*** *(*FULL SIZE SHEET REISSUED)

- Revised ceiling light fixtures in Office (room no 17).
- Light fixture F7 added to Lighting Fixture Schedule.

19. ***SHEET E4.01*** *(*FULL SIZE SHEET REISSUED)
    - Added note to Grounding notes.
    - Corrected panel MPDA and MLO labels.
    - Notes 2,3 and 4 added.
    - Note added to provide labeling for service disconnect.
    - Room 17 receptacles added to panelboard RP-3.

II. **Specifications**

1. Alternate 9 and 10 added to specification section 012300.

END OF ADDENDUM #2

BG1 BP3 SCOPE OF WORK FOR CONCRETE BUILDING AND SITE
District 99 Transition Building Addition

Scope – This TRADE CONTRACTOR's scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.

1. This TRADE CONTRACTOR shall reference ALL General, Civil, Landscape, Structural, Architectural Demolition, Architectural, Mechanical, Mechanical Demolition, Plumbing Demolition, Plumbing, Electrical Demolition, Electrical, and Fire Protection Sheets included in this Bid Group 1 as they relate to Concrete Building & Site. This TRADE CONTRACTOR shall read all Specification Sections in this manual as well as Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower and equipment to complete this trade contractor's scope of work within the designated durations provided.

   This TRADE CONTRACTOR will need to properly staff the project to meet the durations of the schedule. Failure to do so will result in backcharge to expedite other TRADES.

2. This TRADE CONTRACTOR shall be responsible for both the site and building concrete portions of this work per the drawings and specifications.

   NOTE: Excavation (including furnish and install of stone base) and backfill of the BUILDING and SITE concrete (i.e. sidewalks, curbs, S.O.G., equipment pads, etc…) is to be performed by the EXCAVATION/ SITE UTILITIES TRADE CONTRACTOR to (+/- 1.2" ~ 0.1 foot). This TRADE CONTRACTOR should assume some final grading of base and compaction prior to forming and placement of site and building concrete.

3. This TRADE CONTRACTOR shall be responsible for all concrete materials, forms, shoring, bracing, sealant, rigid insulation, equipment, tools, labor and any other element required to furnish a fully complete and correct concrete installation at all sidewalks, ramps, all curb ramps for sidewalks, curbs, gutters, all concrete walks, all concrete paving, slabs-on-grade, elevated slabs, parterre seating, foundation walls, frost walls, interior and exterior footings, spread footings, stepped footings, slabs, stoops, detectable warnings, piers, sealers, rebar, welded wire fabric, filler strips, expansion joints, isolation joints, control joints, grouting of base plates, equipment pads, and any other cast in place concrete within the work area as indicated on construction documents and/or as specified in the project manual.

   Note: This TRADE CONTRACTOR shall be responsible for reviewing all floor finish flatness requirements as provided in the project specifications.

   Note: Any concrete that will be exposed more than 6" will be required to be architecturally finished or "rubbed". Coordinate with Construction Manager finish expectations.

   Note: This TRADE CONTRACTOR shall be responsible for coordinating all interior & exterior equipment pads that are required by other trade contractors.

   Note: This TRADE CONTRACTOR shall be responsible for all concrete embedded anchor bolts, concrete embeds furnished by STEEL TRADE CONTRACTOR. This TRADE CONTRACTOR shall be responsible for grouting/ leveling of all setting plates.

Initials: _____ / _____

Note: All Frost Stoops will be granular free draining material and will be the responsibility of the EXCAVATION/SITE UTILITIES trade contractor.

Note: This TRADE CONTRACTOR shall submit to Construction Manager a proposed control joint layout for all flatwork at least 72 hours in advance of pouring. The Architect will review proposed layout and provide approval of layout prior to pouring flatwork.

Note: This TRADE CONTRACTOR shall pour the bathrooms SOG separately, removing the porosity inhibiting admixture (Barrier One) for that area and patching the slab per detail 2 on S1.02.

4. This TRADE CONTRACTOR shall be responsible for all General Notes, Concrete Notes, Foundation Notes, Post Installed Mechanical Anchor Notes, and Post Installed Adhesive Anchor Notes on sheet S0.1.

5. This TRADE CONTRACTOR shall be responsible for protecting all cast-in-place concrete from staining, laitance, and contamination until date of substantial completion.

6. This TRADE CONTRACTOR shall be responsible for providing a unit pricing for CY considered for this allowance.

7. This TRADE CONTRACTOR shall be responsible for supplying professional rebar shop drawings and for furnishing and installing all rebar as indicated on construction documents and/or as specified in the project manual. Rebar shop drawings are due to Construction Manager 10 days after Notice to Proceed.

8. This TRADE CONTRACTOR shall be responsible for all WWF (welded wire fabric) or macro-synthetic fibers, expansion joints, doweling, epoxy anchors, construction joints, control joints, space control joints, slab box-outs, fillers, caulking, sealants, vapor retarder/barrier, bond breaker, insulation, concrete finish, etc. for this trade contractor's scope of work as indicated on construction documents and/or as specified in the project manual.

NOTE: This Trade Contractor is also responsible for all drilling, dowelling, epoxy anchoring of new foundation/footings to existing foundation/footings, as identified on the contract documents. Note dowelling method to be inspected by adhesive anchor manufacturer's rep for correct installation method.

9. This TRADE CONTRACTOR shall accept sub-grade and base conditions prior to proceeding. Sub-grade and base acceptance apply to all aspects of this Trade Contractor's work. Issues taken with sub-grade and base conditions are to be itemized and presented (location plan and narrative) in writing to Construction Manager. Proceeding with the work will constitute acceptance of sub-grade and base conditions by this TRADE CONTRACTOR.

10. The demolition and backfill of existing slabs for the installation of new footings is the responsibility of the EXCAVATION/SITE UTILITIES and/or DEMOLITION Trade Contractors. The pour back of the existing slabs on grade after foundations are completed is the responsibility of

Initials: _____ / _____

THIS TRADE CONTRACTOR. Refer to New Foundation and Architectural Drawings to verify the extents of this scope.

11. This TRADE CONTRACTOR shall NOT be responsible for the concrete slab patching per note D7 on AD1.01.

12. This TRADE CONTRACTOR shall be responsible for all perimeter foundation insulation (2" rigid insulation under perimeter of floor slab and on interior face of frost walls), whether shown on drawings or not.

13. All utility sleeves required by others in the concrete will be supplied and located by others but installed by this TRADE CONTRACTOR.

14. All depressions, recesses, chases and/or openings in the concrete required for subsequent trades shall be provided for and located by those TRADE CONTRACTORS and shall be installed by this TRADE CONTRACTOR.

15. This TRADE CONTRACTOR shall be responsible to box out or use Foam Insulation around all floor drains and cleanouts so that these drains and cleanouts can be adjusted and set to the correct height after the slabs have been poured. **This TRADE CONTRACTOR shall be responsible for infilling/grouting around these drains and cleanouts AFTER the correct height has been set. Direct Coordination with the plumbing contractor shall be required.**

16. This TRADE CONTRACTOR shall be responsible for replacing at its cost any concrete that does not meet the required technical specification or required elevations or slope and shall remove all debris off site.

17. This TRADE CONTRACTOR shall be responsible for providing its own project layout according to the drawings. This TRADE CONTRACTOR shall protect and maintain all survey stakes provided by this trade contractor or others.

NOTE: It is the responsibility of this TRADE CONTRACTOR to employ a qualified land surveying professional to provide an as-built survey of the anchor bolts and foundations immediately upon completion of this scope of work or as directed by the Construction Manager. This will be used to confirm locations are correct prior to structural steel erection. The as-built survey shall be included in this TRADE CONTRACTOR's base bid.

18. This TRADE CONTRACTOR shall be responsible for providing a commercial **TEMPORARY CONCRETE WASHOUT STATION** (as pre-approved by Wight Construction) including furnish, install, and removal of associated signage.

19. This TRADE CONTRACTOR shall be responsible for providing all shop drawings, submittals and mock-up's per project specifications in a timely manner.

20. This TRADE CONTRACTOR shall take precautions not to damage, remove, relocate, etc... any of the Erosion and Sediment Control Measures (silt fence, inlet protection, tree protection, etc..) while working on-site.

Initials: _____ / _____

21. This TRADE CONTRACTOR shall be responsible for coordinating with Construction Manager for scheduling of all required testing for concrete cylinders, backfill and compaction. This TRADE CONTRACTOR shall be responsible for adherence with all testing procedures and/or Geo-Technical Engineering findings and recommendations. Testing by others.

Note: There are many special inspections required per sheet S0.3. Testing is by others but direct coordination with Construction Manager and Testing Agency will be required by this TRADE CONTRACTOR.

ALLOWANCES, BOND, AND ALTERNATES

1. This TRADE CONTRACTOR **shall include an allowance of $15,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

2. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

ACCEPTANCE

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.
2500 North Frontage Road
Darien, IL 60561

Signed: _____ _____

Printed Name: _____ _____

Position: _____ _____

Date: _____ _____

END OF SECTION 00300 –Scope

Initials: _____ / _____

BG1 BP8 SCOPE OF WORK FOR GENERAL TRADES
District 99 Transition Building Addition

Scope – This TRADE CONTRACTOR's scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.

1. This TRADE CONTRACTOR shall reference ALL General, Civil, Landscape, Structural, Architectural Demolition, Architectural, Mechanical, Mechanical Demolition, Plumbing Demolition, Plumbing, Electrical Demolition, Electrical, and Fire Protection Sheets included in this Bid Group 1 as they relate to **GENERAL TRADES**. This TRADE CONTRACTOR shall read all Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower to complete this TRADE CONTRACTOR's scope of work within the designated durations provided.

   This TRADE CONTRACTOR will need to properly staff the project to meet the durations of the schedule. Failure to do so will result in backcharge to expedite other TRADES.

2. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, etc. to complete all aspects of this TRADE CONTRACTOR's work including Rough Carpentry, Finish Carpentry, Joint Sealants, Caulking, Penetration Firestopping, Fire-Resistive Joint Systems, Fire Safety Material, all required plywood backing (structural or non-structural) including any plywood for mounting of electrical panels and phone systems, wood plates (including pressure treated), all blocking (including any required for roof, wall, windows, storefront, curtainwall, roller shades, casework, display cases, etc.), Doors, Frames, and Hardware, Fire Protection Specialties, FEC Cabinets, ~~Metal Lockers~~, Toilet Accessories, Marker Boards, Manual Window Covering, Wall & Ceiling Expansion Joint Covers, Composite Wood Siding (E-CS-1), etc. All work shall be completed according to the specifications and as shown on the construction documents.

   NOTE: Cold formed metal framing, light gauge metal framing, gypsum board sheathing and accessories, gypsum board reveals, casework & countertops are by the Metal Framing and Drywall Contractor and Millwork Contractor.

   NOTE: This TRADE CONTRACTOR shall **NOT** be responsible for Acoustical, fiberglass, rigid or batt insulation U.N.O. in this document. Acoustical, fiberglass, rigid and batt insulation is the responsibility of the METAL FRAMING AND DRYWALL TRADE CONTRACTOR. Roof Insulation is by ROOFING CONTRACTOR. Below grade insulation is by the CONCRETE CONTRACTOR.

3. This TRADE CONTRACTOR shall be responsible for the selective demolition shown in the existing transition building. This TRADE CONTRACTOR shall furnish all manpower, supervision, delegated design for shoring, permitting, equipment, means and methods required for the demolition scope of work. This TRADE CONTRACTOR shall be responsible for safe demolition of existing building structures, mechanical assemblies, wall assemblies, ceiling assemblies, doors, windows, flooring, casework as shown on the architectural and structural demolition plans.

   NOTE: This TRADE CONTRACTOR is NOT responsible for notes D4, D6, & D7 on AD1.01.

   NOTE: This TRADE CONTRACTOR shall include the demolition of the wall and ceiling per notes D10 & D11 on AD1.01 in his base bid.

   NOTE: Reclaiming of refrigerant will be by the Mechanical Trade Contractor.

Initials: _____ / _____

NOTE: This TRADE CONTRACTOR shall reference the Electrical, Plumbing, Mechanical Demolition Sheets to verify the extents of this work. Any MEP demolition outside the Architectural Demolition Area shall be included in this TRADE CONTRACTOR's scope of work.

NOTE: The safe disconnection of the MEP items in the scope areas shown in the MEP drawings will be by the MEP TRADE CONTRACTOR's, but the complete removal/disposal of these MEP items to be by this TRADE CONTRACTOR.

NOTE: This TRADE CONTRACTOR shall be responsible to temporarily support any piping or components to remain that were supported by any removed ceilings or structures in the remodeled areas.

NOTE: Any mechanical equipment scheduled for REUSE will be removed/relocated by MECHANICAL TRADE CONTRACTOR.

NOTE: This TRADE CONTRACTOR shall be responsible for removing and disposing of ALL doors, frames and hardware (Aluminum, Hollow Metal, Wood, etc.) scheduled to be removed according to the plans and specifications.

NOTE: This TRADE CONTRACTOR shall be responsible for protecting all interior items that are not part of its scope; this includes but is not limited to: adjacent materials/items/fixtures/systems and substrates, and existing structural to remain. Any questions or clarifications regarding the extents of the demolition shall be directed to the construction manager prior to the time and date listed in the specification manual.

4. This TRADE CONTRACTOR shall be responsible for furnishing and installing the Composite Wood Siding (E-CS-1) and Resysta Cladding (SOF-1) as indicated in construction documents and/or as specified in the project manual. Refer to specification division section 074649 FIBER-REINFORCED HYBRID WALL CLADDING for further instructions.

NOTE: This TRADE CONTRACTOR scope of work includes the furnish and install of all work related to the siding and cladding, starting with the mineral wool board insulation, z furring, hat channels, isolation and all accessories, channels, brackets, rails, soffit vents, etc. for a watertight installation.

NOTE: This TRADE CONTRACTOR should include matching the adjacent existing siding color as part of their base bid.

NOTE: This TRADE CONTARCTOR should extend the mineral wool board insulation beyond the siding at the canopy per detail 1 on A5.00.

5. This TRADE CONTRACTOR shall be responsible for all penetration fire-stopping and labeling of penetrations for all trades and penetrations. This work will be done as part of a contract allowance. See Allowances section in this document for more information. This TRADE CONTRACTOR shall be responsible for all misc. caulking between dissimilar materials and otherwise not noted in the construction documents, required in this project and shall be taken out of the Joint Sealants Allowance. Millwork related sealants are by the MILLWORK CONTRACTOR, Glass related sealants are by the GLAZING CONTRACTOR, AND DRYWALL related sealants are by the FRAMING & DRYWALL CONTRACTOR.

6. This TRADE CONTRACTOR is to furnish and install any blocking and/or backing mounted to walls or installed in stud walls needed to support casework, shelving, storefront, windows, window sills, metal panels, IDF racks, AV racks, countertops, etc. as indicated on plans. Any blocking not

indicated on plans required for support of casework/millwork, visual displays, manual/ motorized roller shades, etc., is to be included in this TRADE CONTRACTOR's cost.

NOTE: Refer to all MEP/AV/LV/Architectural drawings for wall-mounted equipment.

7. This TRADE CONTRACTOR shall be responsible for furnishing and installing ALL Wood Roof Blocking as shown and as necessary per the construction documents, including any wood blocking as shown on all details in A5 & A6 Series Drawings.

8. This TRADE CONTRACTOR shall be responsible for installing the range, washer, dryer, & dishwasher provided by the owner per notes 17, 20 & 22 on A2.01.

9. This TRADE CONTRACTOR shall be responsible for furnishing and installing all fire-rated and non-fire rated expansion joint and covers required at interior and exterior walls, soffits, ceilings, etc. per note 24 on A2.04. All roof expansion joints shall be by the ROOFING CONTRACTOR.

10. This TRADE CONTRACTOR shall be responsible for the FURNISH AND INSTALL of all Hollow Metal Doors, Flush Wood Doors, and associated Door Hardware, including any mag door hold opens as shown in the Contract Documents. This Trade Contractor shall be responsible for furnishing and installing all ancillary hardware and components necessary for a complete install including but not necessarily limited to, shims, Screws, Bolts, Sealant (interior and exterior), etc. This TRADE CONTRACTOR shall be responsible for unloading and receiving all Hollow Metal & Wood Doors, Hollow Metal Frames and Hardware furnished by this TRADE CONTRACTOR

NOTE: This TRADE CONTRACTOR shall be responsible to receive shipment and inventory of all doors, hollow metal door & frames, and door hardware.

NOTE: The installation of hollow metal frames in drywall partitions will be by the Metal Framing and Drywall Contractor. ~~The installation of the hollow metal frame in the existing masonry wall shall be by this Trade Contractor.~~ This TRADE CONTRACTOR is responsible for the installation of all doors and hardware in H.M. frames.

~~NOTE: This TRADE CONTRACTOR shall be responsible for saw cutting the existing masonry wall for door opening 010.~~

NOTE: Keying of all doors provided by this TRADE CONTRACTOR and the Glazing TRADE CONTRACTOR shall be included in this TRADE CONTRACTOR'S SCOPE OF WORK, including a keying meeting with the owner to finalize keying schedule.

NOTE: This Trade Contractor is NOT responsible for furnishing or installing the hardware associated with the Aluminum Entrance Doors. This Trade Contractor is responsible for furnishing and installing the final cores for all Aluminum Doors.

11. This TRADE CONTRACTOR shall provide and install the manual window coverings WT-01 (Spec # 122413)

12. This TRADE CONTRACTOR shall be responsible for furnishing and installing Fire Extinguisher Cabinets and Fire Extinguishers, Toilet Accessories, Markerboard Units as shown in the construction documents.

NOTE: This TRADE CONTRACTOR shall be responsible for furnishing and installing all toilet accessories per the bid documents, including all grab bars, and standard mirrors.

Initials: _____ / _____

NOTE: All Electric Hand Dryers are to be furnished and installed by the Electrical TRADE CONTRACTOR.

NOTE: This TRADE CONTRACTOR shall install owner-furnished Soap Dispensers, and Toilet Paper Dispensers.

NOTE: This TRADE CONTRACTOR shall be responsible for coordinating in a timely manner with FRAMING AND DRYWALL CONTRACTOR and MEP CONTRACTORS and locating any items that shall be installed recessed in walls to avoid any conflicts.

~~**NOTE:** This TRADE CONTRACTOR shall be responsible to furnish and install all metal lockers~~.

13. This TRADE CONTRACTOR shall be responsible for furnishing all Interior HM Frames per specifications and Door Schedule. These Frames will be field painted and GLAZING CONTRACTOR shall be responsible for glazing these frames/partitions.

14. This TRADE CONTRACTOR shall be responsible for furnishing and installing all full-height, full width interior and/or exterior Carpentry related sealant and caulking including but not necessarily limited to sealant/caulking of joints as part of this TRADE CONTRACTOR's work where indicated and/or required, including where the work of this TRADE CONTRACTOR intersects dissimilar materials. Sealant and caulking shall comply with the fire rating requirements of the wall where installed.

Note: For anything not included in the contract documents or otherwise specified in this scope, the joint sealants allowance will be utilized.

15. This TRADE CONTRACTOR shall be responsible for providing all shop drawings, submittals and **mock-up's** per project specifications in a timely manner.

ALLOWANCES, BOND, & ALTERNATES

16. This TRADE CONTRACTOR **shall include an allowance of $50,000.00 in their base bid** to account for any Unforeseen Conditions, Additional Temporary / Safety Enclosures, Winter Conditions and General Labor. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

17. This TRADE CONTRACTOR shall include an allowance of $10,000.00 to be included in the base bid for all misc. Joint Sealants, penetration fire-stopping, fire-resistive joint systems, Fire-resistant assembly identification, acoustical penetration, and joint sealants. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

18. Alt. Bid #1 - This TRADE CONTRACTOR shall provide an Alternate Price to extend their cladding for the extended canopy. Refer to A2.01.

19. Alt. Bid #2 - This TRADE CONTRACTOR shall provide an Alternate Price to furnish and install composite wood siding (E-CS-1) on existing CMU per detail 1 on A4.00.

20. Alt. Bid #3 - This TRADE CONTRACTOR shall provide an Alternate Price to remove the existing siding and reside the existing facade per detail 2 on A4.00.

Initials: _____ / _____

21. **Alt. Bid #4 – This TRADE CONTRACTOR shall provide an alternate price to remove partitions, ceilings, and millwork per notes D1, D3, D8 on AD1.01.**

22. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 002010 of the General Conditions.

ACCEPTANCE

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.
2500 North Frontage Road
Darien, IL 60561

Signed: _____

Printed Name: _____

Position: _____

Date: _____

END OF SECTION 00300 –Scope

BG1 BP10 SCOPE OF WORK FOR ELECTRICAL – District 99 Transition Building Addition

Scope – This TRADE CONTRACTOR's scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.

1. This TRADE CONTRACTOR shall reference ALL General, Civil, Landscape, Structural, Architectural Demolition, Architectural, Mechanical, Mechanical Demolition, Plumbing Demolition, Plumbing, Electrical Demolition, Electrical, and Fire Protection Sheets included in this Bid Group 1 as they relate to Electrical and Electrical Demolition. This TRADE CONTRACTOR shall read all Specification Sections in this manual as well as Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower and equipment to complete this TRADE CONTRACTOR's scope of work within the designated durations provided.

Note: This TRADE CONTRACTOR will need to properly staff the project to meet the durations of the schedule. Failure to do so will result in backcharge to expedite other TRADES. This TRADE CONTRACTOR acknowledges there is an occupied portion of the building that will remain occupied throughout the duration of this project. Existing Life Safety systems must remain protected and in-service.

2. This TRADE CONTRACTOR is responsible for shop drawings, layout, and field layout of conduits, boxes, hangers, fixtures, etc… This TRADE CONTRACTOR acknowledges that this contractor shall coordinate conduit layout in a neat and orderly fashion. This TRADE CONTRACTOR shall coordinate the installation of his work with plumbing, electrical, HVAC, technology, ceiling and all other trades as required. This Trade Contractor further acknowledges that the design team will have some input on location and routing of exposed raceways.

NOTE: There will be no extra costs allowed to this TRADE CONTRACTOR for any field routing or modifications that may be required for piping/duct/conduit due to existing field conditions in existing building

NOTE: Any piping, conduit or ductwork resulting in lower ceiling heights than indicated in the construction documents will need approval from the CONSTRUCTION MANAGER. This piping or ductwork may be reinstalled at higher elevations at the request of the CONSTRUCTION MANAGER.

3. This TRADE CONTRACTOR shall be responsible for coordinating, furnishing and installing all raceways, in-wall rough-in and sleeves for the Telecommunications, AV, Data, Low Voltage, and Security. This includes all raceways, pathways, pull boxes, junction boxes, and pull points as noted on the drawings. All low voltage wiring shall be by this TRADE CONTRACTOR.

NOTE: This TRADE CONTRACTOR shall be responsible for furnishing and installing all communications, fire alarm, security, telephone, and Data devices per the plans.

NOTE: This TRADE CONTRACTOR shall be responsible to provide sufficient man-power to complete rough-in for A/V, Communications, Security Systems Rough-In and electrical rough-in **concurrently.**

4. This TRADE CONTRACTOR shall review and become familiar with ALL documents included in this bid group. This Trade Contractor shall furnish, install, complete and/or otherwise comply with all work as noted and or implied by the following but not limited to: All Specification sections in Divisions 26, 27, and 28, all General Notes AND keynotes on these drawings sets.

Initials: _____ / _____

5. This TRADE CONTRACTOR shall be responsible to verify all demolition work and make safe any connections and remove wiring back to existing panels.

NOTE: This TRADE CONTRACTOR shall be responsible for electrical disconnect of all HVAC & Plumbing Demolition work shown on construction documents. **This TRADE CONTRACTOR shall mobilize prior to demolition activities to assist in marking existing conduits., "*to remain"* and "*to be removed"* for coordination with the DEMOLTION CONTRACTOR and CONSTRUCTION MANAGER.** This TRADE CONTRACTOR is responsible for disconnecting and MAKING SAFE all conduit, equipment, controls that are ***"to be removed"***. Removal of these items to be by DEMOLITION CONTRACTOR.

6. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, etc. to complete all aspects of this trade contractor's work for the complete electrical package including but not limited to **power, temporary power, panels, outlets, interior lighting, occupancy sensors, exterior lighting, site lighting, emergency lighting, exit lighting, temporary lighting, lighting controls, lighting control devices, transformer(s), disconnects, meter and CT cabinet, miscellaneous equipment/motor wiring, exit signs, switchgear, plates, boxes, motion detectors, dimming devices, relays, etc…** all work as listed in the specifications and shown on the construction documents. This TRADE CONTRACTOR shall be responsible for all conduit, pull string and junction boxes as required within the specifications and as indicated on drawings.

NOTE: All Electric Hand Dryers are to be furnished and installed by this TRADE CONTRACTOR.

NOTE: This TRADE CONTRACTOR shall be responsible for providing an electrical connection to the monument sign per note 1 on E1.01.

NOTE: This TRADE CONTRACTOR shall disconnect and relocate existing electrical boxes for the existing condensing units. This TRADE CONTRACTOR shall intercept and extend all conduit and wiring to the new location as required.

NOTE: This TRADE CONTRACTOR shall be responsible to install all TVs, TV brackets, and short throw projectors provided by the client

NOTE: This TRADE CONTRACTOR shall be responsible to relocate the intercom, card readers, and blue point strobes per the plans

NOTE: This TRADE CONTRACTOR shall be responsible for furnishing and installing all new card readers, including the one on existing door 18.

7. This TRADE CONTRACTOR shall be responsible for all electrical requirements for electric door strikes, card readers, magnetic hold opens, ADA Push buttons, ADA Operators, power transfer supplies, locks and other hardware as indicated on the architectural door schedule and specifications whether shown on the Electrical plans or not. Hardware by others. This Trade Contractor is also responsible for the final electrical connections of these components for a complete install.

NOTE: This TRADE CONTRACTOR shall be responsible for installing raceways, wiring, and terminations to all HVAC Control components such as the control switch for the roof exhaust fan (note 13 on M2.01A)

8. This TRADE CONTRACTOR shall be responsible for installing ALL Light Fixtures supported independent from ceiling grid.

NOTE: Regardless of fixture designation, i.e. grid type, flange type, lay-in as may be designated on the drawings, this TRADE CONTRACTOR to coordinate with the reflected ceiling plan and will furnish the fixture to fit the ceiling construction as outlined in the reflected ceiling drawings and/or room finish schedule.

9. This TRADE CONTRACTOR shall be responsible for the complete furnish and install of the EXTERIOR LIGHTING SYSTEM as indicated on the contract documents

NOTE: This TRADE CONTRACTOR shall be responsible for furnishing and installing new lighting poles including the concrete base per detail 1 on E1.01.

10. This TRADE CONTRACTOR shall be responsible for coordination with other trade contractors to obtain wiring diagrams and power requirements for equipment furnished by others, including, equipment, projections screens, etc. prior to wiring same in the field.

11. This TRADE CONTRACTOR is responsible for any necessary electrical required for all mechanical, plumbing, fire protection equipment/devices, range, washer, dryer, dish washer as required within the specifications and indicated on drawings, including but not limited to all electrical connections for all starters, motor control devices, installation of VFD's, etc..

12. This TRADE CONTRACTOR shall be responsible for all directory label charts, along with identification and tagging requirements of work as required within the specifications and as indicated on the drawings, per Construction Manager direction (verify numbering and tagging sequence with Construction Manager). Contractor shall provide a typed directory in every panel matching the As-Built condition and not necessarily as shown in the panel schedules.

13. This TRADE CONTRACTOR shall be responsible for all hand or machine excavation, backfill, compaction, and concrete as required to install this Trade Contractor's work, including granular fill requirements for any under slab or sitework as required within the specifications and indicated on drawings. This includes the saw-cutting and patching of existing concrete slab for installation of underground rough-in.

14. This TRADE CONTRACTOR shall provide all sleeves and coring of walls, floors, etc., including caulking, and packing of sleeves and openings as indicated on construction documents and/or as specified in the project manual. Contractor to protect all floor openings left in floors for passage of piping and other items.

NOTE: This trade contractor responsible for furnishing all roof penetrations for electrical conduit, including all boots associated with conduit. Installation of boots will be by the Roofing Trade Contractor.

NOTE: Rooftop Pipe Supports is the responsibility of this TRADE CONTRACTOR.

15. This TRADE CONTRACTOR NOT be responsible for fire stopping all thru wall penetrations in rated walls and acoustical sensitive walls. This work is by others. This TRADE CONTRACTOR shall provide all clip hangers, angles, and miscellaneous metal of any nature, which is required for work covered by this Contract.

16. This TRADE CONTRACTOR shall be responsible for furnishing, installing and maintaining all temporary electrical service and lighting as required by CONSTRUCTION MANAGER, per OSHA standards, in all areas of construction.

NOTE: Installation of temporary lighting and power may be installed prior to electrician mobilization demolition activities and a separate mobilization shall be figured. Coordinate with CONSTRUCTION MANAGER.

17. This TRADE CONTRACTOR shall be responsible for and compliant with all specified requirements including but not limited to all: Performance Requirements, Submittals, QA, Testing, Training, QC, and Extra Materials specified and pertaining to this trade contractor's work as noted in the plans and specifications.

Note: This TRADE CONTRACTOR's Guarantee/warranty period of equipment will not start until after final acceptance, including any and all equipment utilized before final acceptance. Targeted Substantial Completion Date of 8-15-23.

18. This TRADE CONTRACTOR is responsible for a complete turnkey operational Fire Alarm System including but not limited to all fixtures, all fire alarm control panels, annunciator panels, visual and visual/ audio devices, pull stations, heat and smoke detectors, raceways & conduit, mechanical system integration, etc., design and engineering of the fire alarm systems, preparation of fire alarm drawings and calculations sealed by an Illinois Professional Engineer, and preparations of all shop drawings as required within the specifications and as indicated on drawings.

Note: This TRADE CONTRACTOR shall be responsible to provide the duct smoke detectors to the mechanical contractor for installation in any ductwork, **new or existing.** Ceiling duct smoke detectors are to be furnished and installed by this TRADE CONTRACTOR.

Note: Plenum Rated fire alarm wiring may be run free air in a neat and orderly manner in all areas.

Note: This TRADE CONTRACTOR shall be responsible for installation of any fire alarm conduit that is required for in-wall locations.

Note: This TRADE CONTRACTOR shall be responsible for the **demolition** of existing fire alarm devices, including but not limited to audio/ visual, smoke detectors, etc. This TRADE CONTRACTOR shall identify which devices will get demoed at the pre-bid walk through(s) and include this work in the base bid. This TRADE CONTRACTOR shall follow the phasing of the project for the phasing of the demolished items pertaining to this TRADE CONTRACTOR's scope of work.

Note: All demolished devices and wiring shall be figured as free-air. Any wiring in conduit will be pulled out and conduit abandoned in place.

Note: Any existing ceiling grid and tiles that need to be removed to install this scope of work will need to be coordinated with C.M. and will be removed/reinstalled by Others thru the allowance included in this Scope of Work. Only tiles and grid 'T's will be removed. Main grid lines will stay in place and this TRADE CONTRACTOR shall figure working around Main grids.

~~**19.** This TRADE CONTRACTOR shall submit a fire protection design complete with all hydraulic calculations and drawings adhering to the 2015 International Building and Fire Code, and all applicable River Grove Amendments and standards. Calculations and drawings must be reviewed and approved by Construction Manager.~~

20. This TRADE CONTRACTOR shall be responsible for testing of fire alarm systems as required in obtaining approval by inspection from authorities having jurisdiction.

Initials: _____ / _____

21. This TRADE CONTRACTOR shall be responsible for fire stopping and assembly labeling at all thru wall penetrations in rated walls as indicated on construction documents and/or as specified in the project manual.

22. This TRADE CONTRACTOR shall provide all clip hangers, angles, and miscellaneous metal of any nature, which is required for work covered by this Contract.

23. This TRADE CONTRACTOR shall provide permanent fire alarm system prior to occupancy per the construction schedule.

24. This TRADE CONTRACTOR is responsible for shop drawings, layout, and field layout of this Trade Contractor's work. This TRADE CONTRACTOR shall coordinate the installation of his work with plumbing, electrical, HVAC, technology, ceiling and all other trades as required. Mechanical contractor shall lead in the coordination effort of all of these trades. This shall include obtaining the Autocad and Naviswork files from the sprinkler, plumbing and electrical contractor and plotting all systems in color on one drawing.

25. This TRADE CONTRACTOR shall coordinate all piping to avoid conflicts with areas required for other trade contractor's work (i.e., light fixtures, ductwork, etc…).

26. This TRADE CONTRACTOR shall coordinate and install the Inspector's Tests that are necessary per the Notes and Specifications.

27. This TRADE CONTRACTOR shall provide all sleeves and coring of walls, floors, etc. Contractor to protect all floor openings left in floors for passage of piping and other items.

28. This TRADE CONTRACTOR is responsible to provide all ladders, scaffolding, hoisting, lifts, etc. necessary to complete work in accordance with project schedule.

29. This TRADE CONTRACTOR shall install all ACT devices in center of tile.

30. This TRADE CONTRACTOR shall utilize the same manufacturers as the existing Fire Alarm System at the building as specified.

31. This TRADE CONTRACTOR shall be responsible for coordinating with CM for inspections by jurisdictional inspection agencies (i.e. local code enforcement, testing agency's) associated with the work of this Trade Contractor to:

A) Schedule any and all required inspections so as not to delay project schedule,
B) Complete all work required for acceptance of this Trade Contractors work by the jurisdictional inspecting agency (at no additional cost, including incidentals) and
C) Submit all inspecting agency ruling related documentation/correspondence to Construction Manager before close of business the day of occurrence.

Note: This TRADE CONTRACTOR shall be responsible for any out-of-sequence and/or additional piping & testing of contractor's work to permit expedited completion of partitions, ceilings, and other work, including the furnishing and installation of equipment.

32. This TRADE CONTRACTOR shall include all rigging, hoisting, cranes, lifts, etc. necessary to install any work in this scope of work.

33. All power shut downs and/or interruptions in power system shall be coordinated through Construction Manager and scheduled to minimize any disruption. Forty eight (48) hour notification

must be provided to the Construction Manager of any shutdown or interruption that occurs even when facility is not in operation.

ALLOWANCES, BOND, & ALTERNATES

1. This TRADE CONTRACTOR **shall include an allowance of $25,000.00 in their base bid** to account for any unforeseen conditions interior to building. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

2. **Alternate Bid #1** - This TRADE CONTRACTOR shall provide an Alternate Price to furnish and install bigger fixtures for the extended canopy per note 6 on E1.01.

3. **Alternate Bid #4** - This TRADE CONTRACTOR shall provide an Alternate Price to disconnect and remove existing fixtures, and reinstall new light fixtures per note 1 on E3.01; and furnish and install new receptacle per note 15 on E2.01.

4. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

ACCEPTANCE

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.
2500 North Frontage Road
Darien, IL 60561

Signed: _____ _____

Printed Name: _____ _____

Position: _____ _____

Date: _____ _____

END OF SECTION 00300 –Scope

Initials: _____ / _____

BG1 BP11 SCOPE OF WORK FOR HVAC –
District 99 Transition Building Addition

Scope – This TRADE CONTRACTOR's scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.

1. This TRADE CONTRACTOR shall reference ALL General, Civil, Landscape, Structural, Architectural Demolition, Architectural, Mechanical, Mechanical Demolition, Plumbing Demolition, Plumbing, Electrical Demolition, Electrical, and Fire Protection Sheets included in this Bid Group 1 as they relate to HVAC. This TRADE CONTRACTOR shall read all Specification Sections in this manual as well as Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower and equipment to complete this TRADE CONTRACTOR's scope of work within the designated durations provided.

   Note: This TRADE CONTRACTOR will need to properly staff the project to meet the durations of the schedule. Failure to do so will result in backcharge to expedite other TRADES.

2. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, and coordination, etc… for a complete functioning Heating, Ventilation and Air Conditioning System including all related assemblies and systems. This trade contractor shall include any and all **piping, tubes, fittings, loops, valves, drain lines (D), flexible connections, all hangers/supports, identification, testing-adjusting-balancing, variable frequency drives, refrigerant piping, refrigerant, pumps, ducts, duct lining, duct accessories, duct silencers, RTUs, Roof Curbs, Air Cooled Chillers, Condensing Units, VAV's, Energy Recovery Equipment, Coil Circulation Pumps, Duct free split systems, Air Filtration Units, Condensate Pumps, Fan Power Boxes, Electric Duct Coils, Diffusers, Grilles, Registers, Hoods, Rebalance of existing units, Exhaust Fans, Variable Volume Reheat Air Terminals, Intake Hoods, Exhaust Hoods, Duct Silencers, HVU's, Horizontal Fan Coil Units, Vertical Fan Coil Units, Walls Louvers, Registers, Grilles, Hot Water Baseboards, Cabinet heaters, Unit Vents, Wall Sleeves, Gas Piping, Gas Pressure Regulators, Bird Screen, Wire Mesh, Concentric Kits, Concentric Vents, Dryers' Vents, Refrigerant Piping, Temperature Sensors, CO2 Sensors, and joint sealants,** and other specified requirements for a complete, conforming and operable system as shown/stated in the plans and specifications and delivered per the project schedule.

   NOTE: THIS TRADE CONTRACTOR shall furnish and Install all Mechanical Equipment shown on M5.01 and M5.02, including all associated notes.

   NOTE: This TRADE CONTRACTOR responsible for all details identified on M6.01, M6.02, M6.03, and ME1.0.

3. This TRADE CONTRACTOR shall review and become familiar with ALL documents included in this bid group. This Trade Contractor shall furnish, install, complete and/or otherwise comply with all work as noted and or implied by the following but not limited to: All Specification sections in Division 23, General Notes on Sheet M0.01, M, MD, and ME Drawings

4. This TRADE CONTRACTOR is responsible for shop drawings, layout, and field layout of this Trade Contractor's work. This TRADE CONTRACTOR shall coordinate the installation of his work with plumbing, electrical, fire suppression, technology, concrete, metal framing and drywall, ceiling and all other trades as required. Mechanical contractor shall lead in the BIM coordination effort

Initials: _____ / _____

of all of these trades. This shall include obtaining the 3D files from the sprinkler, plumbing and electrical contractor and plotting all systems in color on one drawing. This TRADE CONTRACTOR shall lead BIM coordination meetings for all the MEP trades and shall coordinate trades with structural model.

NOTE: There will be no extra costs allowed to this TRADE CONTRACTOR for any field routing or modifications that may be required for piping/duct/conduit due to existing field conditions in existing building

NOTE: This TRADE CONTRACTOR shall provide a drawing mark up for all required access panels in hard ceiling spaces that is needed for future equipment maintenance.

NOTE: This TRADE CONTRACTOR responsible for all field coordination/routing associated with ductwork/piping/equipment installation in the existing school building areas.

NOTE: Any Field Layout requested by Construction Manager shall be accommodated as requested without exception to keep the project on schedule and in coordination with other trades sequence of work. Including but not limited to roof deck penetrations in coordination with structural steel, and wall penetrations in coordination with Carpentry. Cutting of the roof deck will be the responsibility of this trade contractor when curbs are installed.

5. This TRADE CONTRACTOR shall **NOT** be responsible for ALL HVAC Insulation (Exterior and Interior). This work will be bid separately as part of an HVAC insulation Scope.

NOTE: All pipes serving any roof top equipment shall be concealed within equipment curbs and not exposed to the elements, unless approved by design team in advance.

NOTE: All exposed ductwork to be internally lined by this TRADE CONTRACTOR per specifications, refer to architectural reflected ceiling plans for locations.

6. All exposed round ducts shall be double wall construction, outer wall is galvanized steel, inner wall is galvanized perforated steel. Interstitial duct liner shall be 1" fiberglass type.

7. Any reference to duct liners in the plans is limited to rectangular ducts only.

8. All concealed round ducts shall be externally wrapped unless otherwise specified.

9. HVAC trade contractors shall prime coat all ductwork that is required to be painted by Architectural trade. Use spec section 099100 for means and methods. These are limited to exposed ductwork.

10. ~~BAS (Building Automation System) and rough-in for temperature control will be by OTHERS. Instrumentation and Control for HVAC, Direct Digital Control for HVAC, Sequence of Operation for HVAC shall be the responsibility of OTHERS. This TRADE CONTRACTOR is responsible for coordinating with Temperature Controls Contractor on equipment type and location. This trade contractor responsible for installation of all controls valves (furnished by others)~~

11. This TRADE CONTRACTOR shall be responsible for furnishing and installing all controls wiring and equipment including but not limited to temperature controls, temperature sensors, all valves, remote interface panels, thermostats, etc. This TRADE CONTRACTOR shall coordinate with the Electrical TRADE CONTRACTOR for the conduit rough-in for the controls.

Initials: _____ / _____

12. This TRADE CONTRACTOR is responsible for relocation of all mechanical equipment to be re-used. This includes disconnection, rigging, hoisting, staging, storing, protecting, and reinstallation as required per the Mechanical Drawings. This shall also include Balancing and Startup procedures.

NOTE: This TRADE CONTRACTOR shall be responsible for removing and salvaging the motorized dampers, condensing units, and outdoor air sensors. This TRADE CONTRACTOR shall include in their base bid the storage of those items in this TRADE CONTRACTOR's shop or storage location.

13. This TRADE CONTRACTOR shall coordinate with ACOUSTICAL CEILINGS TRADE CONTRACTOR and CONSTRUCTION MANAGER on all existing ceiling locations where ceiling grid/tile need to be removed for new ductwork/piping install. Existing Ceiling Grid/Tile to be removed/replaced with ACOUSTICAL CEILINGS TRADE CONTRACTOR.

14. All HVAC Demolition work shown on construction documents will be by OTHERS. **However, this TRADE CONTRACTOR, shall mobilize prior to demolition activities to assist in marking existing ducts, piping, equipment, etc., "*to remain*" and "*to be removed*" for coordination with the DEMOLTION CONTRACTOR and CONSTRUCTION MANAGER.** This TRADE CONTRACTOR is responsible for disconnecting and MAKING SAFE AND DRAINING all HVAC related piping, gas piping, ductwork, equipment, controls that are ***"to be removed"***. Removal of these items to be by DEMOLITION CONTRACTOR.

Note: All refrigerant is to be reclaimed and is the responsibility of this TRADE CONTRACTOR.

Note: Gas reclaiming is the responsibility of this TRADE CONTRACTOR.

Note: Unless otherwise noted, all branch HVAC piping ***"to be removed"*** needs to be disconnected and capped at piping header and labeled for DEMOLITION Contractor.

15. This TRADE CONTRACTOR shall be responsible for the installation of smoke detectors in duct work, smoke duct detectors supplied by ELECTRICAL CONTRACTOR. THIS TRADE CONTRACTOR shall coordinate the locations with ELECTRICAL CONTRACTOR. All work completed according to the drawings, specifications, and contract documents.

16. This TRADE CONTRACTOR shall be responsible for furnishing and installing the wall mounted switch to operate the roof mounted kitchen exhaust fan.

17. This TRADE CONTRACTOR shall be responsible for furnishing and installing any vent piping that may be required for any equipment as listed in the specifications and shown on the construction documents.

18. This TRADE CONTRACTOR shall furnish and install all roof curbs/rails and associated materials i.e. vibration isolators and/or elastomeric pads required for equipment according to the drawings, specifications and contract documents. This TRADE CONTRACTOR responsible for furnishing and installing all insulated roof curbs for ductwork/equipment openings. Flashing of Curbs and Roofing by ROOFING TRADE CONTRACTOR. Any Steel Structure for New RTU equipment will be by the STEEL TRADE CONTRACTOR. This TRADE CONTRACTOR responsible for coordinating with STEEL TRADE CONTRACTOR and Structural Engineer for all equipment support requirements, sizes, and locations.

NOTE: This TRADE CONTRACTOR shall also furnish and install the new curbs for the existing condensing units.

NOTE: This TRADE CONTRACTOR shall be responsible for cutting metal decking for roof penetrations during curb install. Metal decking support angles furnished and installed by others. Mechanical contractor must provide a detailed roof opening drawing for coordination during Steel Shop Drawing submittal. This drawing shall indicate size of openings and dimensions from nearest column lines.

19. This TRADE CONTRACTOR shall install all condensate piping as necessary whether indicated or not. Where drawings do not indicate where to run the condensate drain to, this trade contractor shall seek approval of their proposed location from CONSTRUCTION MANAGER.

NOTE: THIS TRADE CONTRACTOR shall make every effort to install the condensate drain line without the use of a condensate pump. If a condensate pump is needed, this shall be provided. THIS TRADE CONTRACTOR shall provide a pump that does not require hardwiring from the electrician and simply plugs into a standard wall outlet.

20. This TRADE CONTRACTOR shall provide temporary protection of all HVAC equipment, ductwork, and piping during construction according to the specifications. This shall include but is not limited to sealing all open ends of ductwork at all times to prevent dirt and dust from entering this ductwork. This shall apply to ductwork being stored on site prior to installation as well as the ductwork after it is installed. Failure to adequately protect ductwork will result in THIS TRADE CONTRACTOR being back-charged for any duct cleaning that will be required. Where equipment needs to be installed prior to the building being "watertight" this trade contractor shall provide, install, maintain and subsequently remove protection for this equipment.

NOTE: This TRADE CONTRACTOR shall seal new ductwork airtight with new duct mastic at all existing Joint/Connections.

21. This TRADE CONTRACTOR shall furnish and deliver to the ELECTRICAL CONTRACTOR, at the project site, all loose motor control devices and VFD's for HVAC equipment and any other items considered part of the HVAC system but requiring installation by the ELECTRICAL TRADE CONTRACTOR (Coordinate with electrical specifications). This Trade Contractor shall be aware of the electrical contractor's scope of work. ELECTRICAL CONTRACTOR will always be responsible for a single point of connection for each piece of HVAC equipment at a minimum.

22. This TRADE CONTRACTOR shall furnish and install all required piping identification, valve tagging, equipment tagging, and charts as per the specifications. Valve tags shall not be repeated anywhere in the building. A detailed schematic and list shall be provided and installed in the main mechanical room or in a location as selected by the owner.

23. This TRADE CONTRACTOR shall include all testing and balancing of HVAC system as required in obtaining approval of architect, engineer, owner, inspection authorities and other agencies. Provide required out-of-sequence and/or additional testing and balancing of HVAC systems to permit expedited completion of partitions, ceilings and other work, including furnishing and installing additional valves as required to complete the balancing and testing of work according to the drawings, specifications and contract documents.

24. This TRADE CONTRACTOR shall be responsible for and compliant with all specified requirements including but not limited to all: Performance Requirements, Submittals, QA, Testing, Training, QC, and Extra Materials specified and pertaining to this trade contractor's work as noted in the plans and specifications.

Note: This TRADE CONTRACTOR's Guarantee/warranty period of equipment will not start until after final acceptance, including any and all equipment utilized before final acceptance. Targeted Substantial Completion Date of 8/15/23.

Note: This TRADE CONTRACTOR shall be responsible for any out-of-sequence and/or additional piping & testing of contractor's work to permit expedited completion of partitions, ceilings, and other work, including the furnishing and installation of equipment.

25. This TRADE CONTRACTOR shall **NOT** be responsible for fire stopping and acoustical sealants for all thru wall penetrations in rated and acoustical sensitive walls as indicated on construction documents and/or as specified in the project manual. This work is to be completed by the **General Trades Contractor.**

26. This TRADE CONTRACTOR shall provide all sleeves and coring of walls, floors, etc., including caulking, and packing of sleeves and openings as indicated on construction documents and/or as specified in the project manual. Contractor to protect all floor openings left in floors for passage of piping and other items. Any scanning of walls/existing concrete floors shall be included in this TRADE CONTRACTOR's scope of work. This trade contractor responsible for sealing/flashing any exterior duct or piping penetrations that are included in their scope. This trade contractor repsponsible for providing a weather/water tight penetration.

27. This TRADE CONTRACTOR shall provide all clip hangers, angles, and miscellaneous metal of any nature, which is required for work covered by this Contract.

28. This TRADE CONTRACTOR responsible for all new piping tie-ins and ductwork tie-ins, including new valves, vents, drains that might be required for these tie-ins. This TRADE CONTRACTOR responsible for coordinating all work required to complete the tie-ins, including shutdown/draining of existing systems.

29. This TRADE CONTRACTOR shall coordinate all piping & ductwork to avoid conflicts with areas required for other trade contractor's work (i.e., light fixtures, ceiling heights, FP Piping, FP Heads, etc…).

Note: Any Piping or ductwork which is not coordinated and results in re-work either by this TRADE CONTRACTOR or OTHERS, the cost of such re-work will be the responsibility of this TRADE CONTRACTOR.

Note: Any piping or ductwork resulting in lower ceiling heights than indicated in the construction documents will need approval from the CONSTRUCTION MANAGER. This piping or ductwork may be reinstalled at higher elevations at the request of the CONSTRUCTION MANAGER.

30. This TRADE CONTRACTOR shall include all rigging, hoisting, cranes, lifts, lane closures, etc. necessary to install ALL of the mechanical equipment, ductwork or piping. Any crane/lift/hoisting equipment for all mechanical equipment must be mobilized, set up, utilized, taken down and demobilized with approval of the Construction Manager. Cribbing and protection of existing concrete, asphalt, roofing, and landscaping must be provided, and this TRADE CONTRACTOR will be responsible for any damages caused.

31. All shutdowns and/or interruptions in mechanical system shall be coordinated through Construction Manager and scheduled to minimize any disruption. Forty eight (48) hour notification must be provided to the Construction Manager of any shutdown or interruption that occurs even when facility is not in operation.

32. This TRADE CONTRACTOR shall be responsible for cutting metal decking to allow for main trunk lines. Metal decking support angles furnished and installed by others. Mechanical contractor must provide a detailed roof opening drawing for coordination with steel contractor in a timely manner. This drawing shall indicate size of openings and dimensions from nearest column lines.

33. This TRADE CONTRACTOR shall provide layout and coordinate with the Concrete Contractor on where to frame and pour concrete housekeeping pads needed for equipment furnished and installed by this TRADE CONTRACTOR. Actual pouring of these pads shall be by the CONCRETE TRADE CONTRACTOR.

34. This TRADE CONTRACTOR to identify in bid proposal lead times for all major pieces of equipment.

35. This TRADE CONTRACTOR shall furnish and install equipment screens for roof top equipment per contract documents. Refer to specification section 108213.26 for further details and instructions.

36. This TRADE CONTRACTOR shall be responsible for providing all shop drawings, submittals and mock-up's per project specifications in a timely manner.

ALLOWANCES, BOND, & ALTERNATES

1. This TRADE CONTRACTOR **shall include an allowance of $15,000.00 in their base bid** to account for any unforeseen conditions with HVAC. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

2. **Alt. Bid #4 –** This TRADE CONTRACTOR shall provide an Alternate Price to disconnect, clean and reinstall diffusers per note 15 on M2.01A.

3. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

ACCEPTANCE

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.
2500 North Frontage Road
Darien, IL 60561

Signed: _____ _____

Printed Name: _____ _____

Position: _____ _____

Date: _____ _____

END OF SECTION 00300 –Scope

Initials: _____ / _____

BG1 BP19 SCOPE OF WORK FOR PAINTING – District 99 Transition Building Addition

Scope – This TRADE CONTRACTOR's scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.

1. This TRADE CONTRACTOR shall reference ALL General, Civil, Landscape, Structural, Architectural Demolition, Architectural, Mechanical, Mechanical Demolition, Plumbing Demolition, Plumbing, Electrical Demolition, Electrical, and Fire Protection Sheets included in this Bid Group 1 as they relate to Painting. This TRADE CONTRACTOR shall read all Specification Sections in this manual as well as Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower and equipment to complete this trade contractor's scope of work within the designated durations provided.

   Note: This TRADE CONTRACTOR will need to properly staff the project to meet the durations of the schedule. Failure to do so will result in backcharge to expedite other TRADES.

2. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, etc... to complete all aspects of this TRADE CONTRACTOR's work including all Interior/Exterior Paint (all types including urethane paint), Sealants, Coatings, Primer, Painting all Primed and or Galvanized Metal Surfaces, all exposed Structural Steel/ elements/ Misc metals, all Hollow Metal Doors & Frames, HM Framed Openings, all exposed utility piping, Sealed Concrete Floors, etc... as listed in the specifications and shown on the construction documents.

   NOTE: This TRADE CONTRACTOR shall be responsible for painting ALL wall and ceiling control joints, U.N.O. Refer to Finish Legend.

   NOTE: This TRADE CONTRACTOR shall be responsible for all Finish Legend Notes on A10.00 as they relate to this scope of work.

3. This TRADE CONTRACTOR shall be responsible for painting all drywall ceilings and soffits, plywood, masonry walls, drywall walls, column enclosures/infills, etc. as shown and specified.

   NOTE: This TRADE CONTRACTOR shall be responsible for ALL drawings and NOT only the finish drawings.

   NOTE: This TRADE CONTRACTOR shall be responsible for painting the exposed plywood in electrical rooms prior to electrical panels being installed.

   NOTE: This TRADE CONTRACTOR shall be responsible for painting the custom paint patterns and signs including detail 6 on A7.00; details 4 & 8 on A7.01; & details ~~4, 5~~, 6, ~~8~~ on A7.02.

   NOTE: This TRADE CONTRACTOR shall be responsible for painting all the exposed, exterior, north façade CMU of the existing transition building per section 1 on A4.00.

   NOTE: This TRADE CONTRACTOR shall be responsible for painting the existing siding of the building per section 2 on A4.00.

Initials: _____ / _____

4. This TRADE CONTRACTOR shall be responsible for painting the exposed underside of roof deck and floor structure (to include concrete decks), exposed structural steel, beams, exposed utility piping, ductwork and all other paintable surfaces where there will be an open ceiling. Refer to the RCP drawings for open exposed ceiling areas.

5. This TRADE CONTRACTOR shall be responsible for all Concrete Sealer SC as shown on drawings and specifications. All electrical and storage rooms shall receive concrete sealer unless otherwise specified in the drawings.

6. Start of work by this trade contractor on top of or against any other surface acknowledges this trade contractor's acceptance of quality and completeness of that surface.

7. This TRADE CONTRACTOR shall be responsible of providing mockups as defined/ detailed in the specifications.

8. This TRADE CONTRACTOR is responsible to provide all ladders, scaffolding, hoisting, lifts, etc. necessary to complete work in accordance with project schedule.

   NOTE: Some areas are above or adjacent to existing roofs. Any scaffolding and hoisting required to complete this scope of work shall be responsibility of this TRADE CONTRACTOR. Any protection required for existing or new building elements shall be responsibility of this TRADE CONTRACTOR.

9. This TRADE CONTRACTOR shall provide proper protection of all flooring and adjacent surfaces. Any damage will be responsibility of this trade contractor.

10. All mobilizations and demobilizations related costs of this TRADE CONTRACTOR are to be included without consideration of additional compensation.

11. This TRADE CONTRACTOR shall perform daily clean-up operations and shall comply with all OSHA safety requirements.

12. This TRADE CONTRACTOR shall provide, on a separate form to be submitted with bid documents, a quantity take-off and cost breakdown of this bid.

13. This TRADE CONTRACTOR shall be responsible for protecting any and all Painting/ Sealing related materials and equipment on-site and as specified: prior to installation, during installation and/or until final acceptance by Construction Manager. Refer to specifications for further detail.

14. This TRADE CONTRACTOR is responsible for furnishing, delivering and properly labeling all Extra Materials required per the specifications.

ALLOWANCES, BOND, & ALTERNATES

15. This TRADE CONTRACTOR **shall include an allowance of $20,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

Initials: _____ / _____

16. Alternate #2: This TRADE CONTRACTOR shall provide a Credit for NOT painting the existing siding per section 2 on A4.00.

17. Alternate #3: This TRADE CONTRACTOR shall provide a Credit for NOT painting the existing north façade CMU per section 1 on A4.00.

18. Alternate #4: This TRADE CONTRACTOR shall provide an Alternate Price to paint the conference room 102 per note 2 on A2.01.

19. Alternate #6: This TRADE CONTRACTOR shall provide an Alternate Price to paint the existing classrooms 1 & 2 (rooms 101 & 105). Price should include all temporary protection of adjacent areas.

20. Alternate #8: This TRADE CONTRACTOR shall provide an Alternate Price to repaint the entire existing building interior. Price should include all temporary protection of adjacent areas.

21. Alternate #9: This TRADE CONTRACTOR shall provide an Alternate Price to paint the existing office 100A – North, East and West wall PT-1, South wall PT-10. Price should include all temporary protection of adjacent areas.

22. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

ACCEPTANCE

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.
2500 North Frontage Road
Darien, IL 60561

Signed: _____ _____

Printed Name: _____ _____

Position: _____ _____

Date: _____ _____

END OF SECTION 00300 –Scope

Initials: _____ / _____

BG1 BP20 SCOPE OF WORK FOR LANDSCAPING
District 99 Transition Building Addition

Scope – This TRADE CONTRACTOR's scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.

1. This TRADE CONTRACTOR shall reference ALL General, Civil, Landscape, Structural, Architectural Demolition, Architectural, Mechanical, Mechanical Demolition, Plumbing Demolition, Plumbing, Electrical Demolition, Electrical, and Fire Protection Sheets included in this Bid Group 1 as they relate to Landscaping. This TRADE CONTRACTOR shall read all Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower to complete this TRADE CONTRACTOR's scope of work within the designated durations provided.

   Note: This TRADE CONTRACTOR will need to properly staff the project to meet the durations of the schedule. Failure to do so will result in back charge to expedite other TRADES.

2. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, etc… to complete all aspects of this trade contractor's work including: Site Restoration, Turfs and Grasses, Shrubs, Perennials, Top Soils, Sod, Exterior Plants and Trees, Mulch, Topsoil Backfill, Erosion Control Blanket, permeable pavers (to include gravel between pavers), etc.

3. This TRADE CONTRACTOR shall be responsible for furnishing and installing **all** fine grading of topsoil that will be left at (+/- 0.1 foot). .

4. This TRADE CONTRACTOR shall be responsible for the furnish and install of the Site Restoration (all areas affected by construction activities), the Turf & Grasses, Sod, Exterior Plants & Trees, etc… as shown and detailed on both the Civil and Landscape Drawings. All work to include the furnish, install, maintenance and subsequent removal of Erosion Control Measures shown in relation to this scope.

   NOTE: This TRADE CONTRCTOR shall be responsible for all "Landscape Notes" and "Legends" as established on Drawings L1.00 and L2.00.

   NOTE: This TRADE CONTRACTOR shall be responsible for watering the grass and all plantings per durations identified in the specifications.

   NOTE: This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, etc. to complete all work related to **PERMEABLE PAVERS** as shown in the bid documents, including pavers, joint fillers, etc.

   NOTE: The Excavation and Site Utilities Contractor shall be responsible for the Compacted CA-7 ~~and 2" CA-16 Bedding~~ up to (+/- 0.1 foot or 1.2") per detail 2 on C5.01. This TRADE CONTRACTOR shall be responsible for furnishing and installing the 2" CA-16 bedding below the pavers.

5. This TRADE CONTRACTOR shall be responsible to provide and install all trees, shrubs, perennials / ground covers, grasses and vines as established per the Plant List on the drawings and specs. This TRADE CONTRACTOR shall replace in kind any plants, shrubs, trees, grasses, etc. that fail within the warranty period per the specifications.

6. This TRADE CONTRACTOR shall be responsible for and compliant with all specified requirements including but not limited to all: Performance Requirements, Submittals, QA, Testing, Training, QC, as specified and pertaining to this trade contractor's work as noted in the plans and specifications.

   NOTE: This TRADE CONTRACTOR shall be responsible for providing all shop drawings, submittals and samples per project specifications in a timely manner.

7. This TRADE CONTRACTOR to provide sufficient equipment, material, skilled manpower, supervision and/or premium time/shift work (all without additional compensation) as may be required to complete the work of this Trade Contractor in accordance with the overall project schedule.

8. This TRADE CONTRACTOR is responsible to provide all ladders, scaffolding, hoisting, lifts, etc. necessary to complete work in accordance with project schedule.

9. All mobilizations and demobilizations related costs of this TRADE CONTRACTOR are to be included without consideration of additional compensation.

ALLOWANCES, BOND, & ALTERNATES

10. This TRADE CONTRACTOR **shall include an allowance of $15,000.00 in their base bid** to account for any unforeseen restoration conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

11. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

ACCEPTANCE

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.
2500 North Frontage Road
Darien, IL 60561

Signed: _____ _____

Printed Name: _____ _____

Position: _____ _____

Date: _____ _____

END OF SECTION 003000 –Scope

Initials: _____ / _____

Scope – This TRADE CONTRACTOR's scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.

BG1 BP21 SCOPE OF WORK FOR SIGNAGE – District 99 Transition Building Addition

1. This TRADE CONTRACTOR shall reference ALL General, Civil, Landscape, Structural, Architectural Demolition, Architectural, Mechanical, Mechanical Demolition, Plumbing Demolition, Plumbing, Electrical Demolition, Electrical, and Fire Protection Sheets included in this Bid Group 1 as they relate to SIGNAGE. This TRADE CONTRACTOR shall read all Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower to complete this TRADE CONTRACTOR's scope of work within the designated durations provided.

2. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, etc. to complete all aspects of this TRADE CONTRACTOR's work for SIGNAGE including but not limited to interior and exterior signage, vinyl door numbers and all associated hardware for a complete install as indicated in the contract documents.

   NOTE: This TRADE CONTRACTOR shall provide a back plate for signs that will be mounted on glass partitions.

3. This TRADE CONTRACTOR shall remove, salvage and reinstall in the same location the existing pin mounted lettering on section 2/A4.00.

   NOTE: This TRADE CONTRACTOR shall be responsible for any needed modifications to the existing lettering/plaques and/or mounting hardware to complete reinstallation.

4. This TRADE CONTRACTOR shall be responsible for furnishing and installing all interior and exterior signage per the signage plan and details on A12.00.

5. This TRADE CONTRACTOR shall review and become familiar with ALL documents included in this bid group. This TRADE CONTRACTOR shall furnish, install, complete and/or otherwise comply with all work as noted and or implied by the Specification Sections 101400 Signage.

6. This TRADE CONTRACTOR shall be responsible for any sealants or caulk related to this TRADE CONTRACOR's scope of work.

7. This TRADE CONTRACTOR shall start work in mid-July 2023

8. Start of work by this trade contractor on top of or against concrete/masonry/drywall or any other surface acknowledges this trade contractor's acceptance of quality and completeness of adjacent surface.

9. This TRADE CONTRACTOR shall be responsible for and compliant with all specified requirements including but not limited to all: Performance Requirements, Submittals, QA, Testing, Training, QC, as specified and pertaining to this trade contractor's work as noted in the plans and specifications.
   NOTE: This TRADE CONTRACTOR shall be responsible for providing all shop drawings, submittals and samples per project specifications in a timely manner.

Initials: _____ / _____

10. This TRADE CONTRACTOR shall be responsible for protecting any and all signage related materials and equipment on-site and as specified: prior to installation, during installation and/or until final acceptance by Construction Manager.

11. All materials to be staged in approved location by Construction Manager and owner. This TRADE CONTRACTOR shall be responsible for coordinating staging/storing location with Construction Manager prior to any onsite delivery.

12. This TRADE CONTRACTOR to provide sufficient equipment, material, skilled manpower, supervision and/or premium time/shift work (all without additional compensation) as may be required to complete the work of this Trade Contractor in accordance with the overall project schedule.

13. This TRADE CONTRACTOR is responsible to provide all ladders, scaffolding, hoisting, lifts, etc. necessary to complete work in accordance with project schedule.

14. All mobilizations and demobilizations related costs of this TRADE CONTRACTOR are to be included without consideration of additional compensation.

ALLOWANCES, BOND, & ALTERNATES

1. This TRADE CONTRACTOR **shall include an allowance of $2,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

2. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

3. Alternate #4 - This TRADE CONTRACTOR shall provide an Alternate Price to furnish and install the sign for conference room 102.

4. Alternate #10 - This TRADE CONTRACTOR shall provide an Alternate Price to furnish and install the monumental sign shown on detail 4 on A4.00.

ACCEPTANCE

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.
2500 North Frontage Road
Darien, IL 60561

Signed: _____ _____

Printed Name: _____ _____

Position: _____ _____

Date: _____ _____

Initials: _____ / _____

END OF SECTION 003000 –Scope

BG1 BP22 SCOPE OF WORK FOR ASPHALT PAVING – District 99 Transition Building Addition

Scope – This TRADE CONTRACTOR's scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.

1. This TRADE CONTRACTOR shall reference ALL General, Civil, Landscape, Structural, Architectural Demolition, Architectural, Mechanical, Mechanical Demolition, Plumbing Demolition, Plumbing, Electrical Demolition, Electrical, and Fire Protection Sheets included in this Bid Group 1 as they relate to Asphalt Paving & Striping. This TRADE CONTRACTOR shall read all Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower to complete this trade contractor's scope of work within the designated durations provided.

   This TRADE CONTRACTOR will need to properly staff the project to meet the durations of the schedule. Failure to do so will result in backcharge to expedite other TRADES.

2. This TRADE CONTRACTOR shall perform all the required asphalt paving scope of work located in the civil drawings in accordance with specifications, contract documents, local and state codes, etc.

3. This TRADE CONTRACTOR shall be responsible for final grading and compaction of base to include additional stone as required.

   NOTE: EXCAVATION AND SITE UTILITIES CONTRACTOR is responsible for excavation of asphalt area to subgrade of +-1.2" (+/- 0.1 foot).

4. This TRADE CONTRACTOR shall be responsible to provide its own project layout according to the drawings, considering the benchmarks locations and elevations that will be given by the Construction Manager. This TRADE CONTRACTOR shall Protect and maintain all survey stakes. This TRADE CONTRACTOR shall be responsible for confirming all subgrades and slopes prior to placement of asphalt. Any asphalt that does not meet required slopes will be removed/replaced at the cost of this TRADE CONTRACTOR.

5. This TRADE CONTRACTOR shall accept sub-grade conditions prior to proceeding. Sub-grade acceptance applies to all aspects of this Trade Contractor's work. Issues taken with sub-grade conditions are to be itemized and presented (location plan and narrative) in writing to Construction Manager. Proceeding with the work will constitute acceptance of sub-grade conditions by this TRADE CONTRACTOR.

6. This TRADE CONTRACTOR shall furnish and install a Bituminous Binder Course, Surface/Finish Course, tack coat, and any and all associated Oil or Priming needed for a complete Asphalt installation according to Contract Documents. Total thickness of the new asphalt areas is to be 4".

7. This TRADE CONTRACTOR shall be responsible for compaction. Compaction must meet Construction Documents and Industry Standards. This TRADE CONTRACTOR is required to coordinate and witness a proof roll of all areas to receive asphalt paving. Proof roll to be performed by Excavation/Site Utility Contractor.

Initials: _____ / _____

8. This TRADE CONTRACTOR shall furnish and install all parking lot striping and painting regardless if the substrate is concrete, pavers, asphalt, or existing asphalt.

9. This TRADE CONTRACTOR shall also furnish and install all traffic and parking lot signage (stop signs, do not enter signs, ADA signs) in parking lots and driveways and any stop bars according to the drawings and specifications.

10. This TRADE CONTRACTOR shall coordinate with the Concrete Building & Site TRADE CONTRACTOR and the Landscape TRADE CONTRACTOR for a proper install of all signs. This TRADE CONTRACTOR shall be responsible for providing **precast bases** for signs that go in the permeable pavers.

11. This TRADE CONTRACTOR shall NOT be responsible for any wheel stop installation.

12. This TRADE CONTRACTOR shall plan separate mobilizations for the play surface & parking lot.

13. This TRADE CONTRACTOR shall also furnish and install all traffic and parking lot signage in parking lots and driveways and any stop bars and ADA signs according to the drawings and specifications.

14. This TRADE CONTRACTOR shall be responsible for coordinating with construction manager for scheduling of all required testing for compaction. Testing by others.

15. This TRADE CONTRACTOR shall be responsible for adherence with all testing procedures and/or Geo-Technical Engineering findings and recommendations. Testing by others.

ALLOWANCES, BOND, & ALTERNATES

16. This TRADE CONTRACTOR **shall include an allowance of $5,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

17. This TRADE CONTRACTOR shall provide a SF unit price to remove/replace existing damaged asphalt parking areas.

18. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

ACCEPTANCE

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.
2500 North Frontage Road
Darien, IL 60561

Signed: _____ _____

Printed Name: _____ _____

Position: _____ _____

Initials: _____ / _____

Date: _____ _____

END OF SECTION 00300 –Scope

Initials: _____ / _____

BID DATE: November 7th, at 1:00 p.m. (CST)

BID TO: Community High School District 99
Administrative Center
6301 Springside Avenue
Downers Grove, IL 60516

RECEIVED BY: Community High School District 99 Receptionist

BID FROM: _____

_____

_____

BID FOR: Bid Group 1 - Bid Package #08 – General Trades

THE UNDERSIGNED:

Acknowledges receipt of:

Plans and specifications for the work indicated above.

Addenda: No._____ dated _____

No._____ dated _____

No._____ dated _____

No._____ dated _____

Having examined the site of the work, and having familiarized himself or herself with local conditions affecting the cost of the work and with all requirements of the bidding documents including Instructions to Bidders, drawings, specifications and duly issued addenda as prepared by the architect, Wight & Company, hereby agrees to perform all work and furnish all labor, material and equipment specifically required of him by the bidding documents and such additional work as may be included as related requirements in other divisions or sections of the specifications, exclusive of alternate bids.

Agrees:

To furnish and install the described material and/or services for stated lump sum price.

To hold this bid open until **90** calendar days after bid opening date.

To accept the provisions of the General Provisions (Project Manual Division 0 – Bidding & Contracting Requirements Section 00201) and disposition of bid security.

To enter into and execute a contract with the Owner, if awarded on the basis of this bid, and in connection therewith to:

1. Furnish all bonds and insurance required by the bidding documents.
2. Accomplish the work in accordance with the contract.
3. Complete the work within the contract time herein specified.

Completion Time:

The undersigned agrees to begin construction immediately, or as directed by the Construction Manager, upon notice of contract award and to perform the following components of the work in accordance with the Construction Manager's Construction. This schedule is bound in the Project Manual. See attached scope of work in section 0300.

SCOPE OF WORK:

The work in this agreement (without additional compensation) shall include, but shall not necessarily be limited to, all skilled labor, supervision, premium time, materials, tools, equipment, plant, supplies, samples, shop drawings, design/engineering drawings, layout, transportation, supervision, contributions, insurance, taxes (if applicable), compliance with all agencies (City / Village, County, State, Federal and/or any other jurisdictional agency, as may be required) and/or all services and facilities necessary and/or required for the performance of all Work shown, detailed, and/or implied by the following documents and as defined herein.

It is understood that this Trade Contractor shall perform the Work for a complete and operational system as indicated or implied in all Contract Documents. It is recognized and understood that the documents upon which the bid is based are at a conceptual phase and this Contractor who has certain skills and judgments based upon his knowledge of techniques, procedures, systems, general state of the art of his specialty is expected to include in the scope of work, all items required in order to carry out a complete and functional system whether or not shown or described in the contract documents. This contract will be awarded on the basis of such documents with the understanding that this contractor is to furnish and install all items required for the proper completion of this wok without adjustment to this contract price. No extra payments shall be made of claims entertained as a result of such items, unless it can be clearly demonstrated to be added scope to the contract and beyond the original intent of the documents.

Contractor to provide all Trade Contract work referenced in:

1. Any sheet of this bid group package including (reference Division 0 – Bidding and Contract Requirements, Section 001110 – Notice to Bidders).
2. Specification 004100 Bid Packages Scope Document.

WORK BASE BID: For providing all work including all allowances as required for the completion of the construction of the base bid project as shown on the drawings and specifications and NOT including alternate bids and/or contractor's proposed alternates and substitutes.

BASE BID

TOTAL BASE BID AMOUNT **TRANSITION BUILDING ADDITION:**

_____Dollars ($_____)

1. This TRADE CONTRACTOR **shall include an allowance of $50,000.00 in their base bid** to account for any Unforeseen Conditions, Additional Temporary / Safety Enclosures, Winter Conditions and General Labor. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

2. **This TRADE CONTRACTOR shall include an allowance of $10,000.00 to be included in the base bid for all misc. Joint Sealants, penetration fire-stopping, fire-resistive joint systems, Fire-resistant assembly identification, acoustical penetration, and joint sealants. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.**

3. Alt. Bid #1 - This TRADE CONTRACTOR shall provide an Alternate Price to extend their cladding for the extended canopy. Refer to A2.01.

ADD/DEDUCT _____Dollars_____

4. Alt. Bid #2 - This TRADE CONTRACTOR shall provide an Alternate Price to furnish and install composite wood siding (E-CS-1) on existing CMU per detail 1 on A4.00.

ADD/DEDUCT _____Dollars_____

5. Alt. Bid #3 - This TRADE CONTRACTOR shall provide an Alternate Price to remove the existing siding and reside the existing facade per detail 2 on A4.00.

ADD/DEDUCT _____Dollars_____

6. Alt. Bid #4 – This TRADE CONTRACTOR shall provide an alternate price to remove partitions, ceilings, and millwork per notes D1, D3, D8 on AD1.01.

ADD/DEDUCT _____Dollars_____

Award Basis:

The project will be awarded based upon the attached Evaluation Criteria, Section 301a. Owner and Construction Manager alternate's may be considered to find the most qualified bidder if the result of combining the base bid and the selected alternate(s) is the most qualified bid, and is to the benefit of the owner.

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates. This alternate price is not to be included in the base bid price.

Owner Requested Alternates:

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates.

Proposed Alternates: (Contractors Proposed Alternates)

	Item Specified	Proposed Alternate	Change in Bid Price
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

Owner Requested Unit Prices/Allowances (as applicable to this Trade Contractor's scope of work) (additive or deductive).

This trade contractor includes _____ dumpsters for all refuse caused by this trade contractor's work in the amount of_____Dollars ($ _____) Note: trade contractors are to include in their bid form submittal the quantity of dumpsters required to complete their work and the cost associated with same. Dumpster costs will be subtracted by change order. Dumpsters will be procured and managed by Construction Manager. Note: Dumpster use in excess of that proposed by this Trade Contractor will be adjusted by back charge.

Owner Requested Scheduling Information:

Note: The work of this Trade Contractor is to be completed in accordance with the overall project schedule as identified elsewhere in this project manual and/or as subsequently directed by Construction Manager. This Trade Contractor shall submit a proposed submittals list/schedule/material log within five (5) calendar days of Notice To Proceed.

1. Shop drawings / Submittal for this trade contractor will be submitted within 10 calendar days of receipt of notice to proceed.

Bid Acceptance:

If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within the time noted herein, after the date of opening of bids or at any time thereafter before this bid is withdrawn, the undersigned agrees that he will execute a construction contract in accordance with the bids as accepted.

The Owner reserves the right to award the contract to its best interests, review and accept any and all value engineering alternatives, negotiate with the lowest responsible bidder, to reject any or all bids, to waive any informalities in bidding and to hold all bids for the bid guarantee period. The Owner reserves the right to award separate contracts for any of the items of work bid herein.

Bid Deposit:

The undersigned furnishes herewith, as required in the Instructions to Bidders, a bid deposit in the amount of ten percent (10%) of the amount bid in the form of Cashier's Check, or Certified Check, made payable to the Owner or Bid Bond, naming the Owner as obligee. (Bidder to check form of deposit furnished.)

It is understood and agreed that should the undersigned fail to enter into a contract with the Owner or furnish acceptable contract security within the time and in the manner herein provided, the bid deposit shall be retained by the Owner as liquidated damages and not as a forfeiture. As it is impossible to determine precisely an exact amount of damages the Owner will sustain, it is agreed that the bid deposit is a fair and equitable estimate of such damages.

REPRESENTATIONS AND CERTIFICATIONS:

The bidder makes the following representations and certifications as part of his bid on the project herein identified in the Bid Form. In the case of a joint venture bid, each party represents and certifies as to his own organization.

AVAILABILITY. The number and amount of contracts and awards pending which I am and/or will be obligated to perform, now and during the course of the project, will not interfere with or hinder the timely prosecution of my work.

SURETY. I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

INDEPENDENT PRICE DETERMINATION. The contract sum in this bid has been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.

PREVAILING WAGE. The contractor and each subcontractor shall pay not less than the general prevailing rate of hourly wages for work of a similar character in the locality in which the work is performed and not less than general prevailing rate of hourly wages for legal holidays and overtime work in the performance of work under this contract, as established by the Illinois Department of Labor, pursuant to an act of the General Assembly of the State of Illinois approved June 26, 1941 as amended according to Section 820 ILCS 130/1.

Pursuant to Section 820 ILCS 130/5, the contractor and each subcontractor shall keep an accurate record showing the names and occupation of all laborers, workers and mechanics employed by them, and also showing the actual hourly wages paid to each such individual, which record shall be open at all reasonable hours to inspection by the Owner, its officers and agents, and to agents of the Illinois Department of Labor.

The contractor and each subcontractor hereby agree, jointly and severally, to defend, indemnify and hold harmless the Owner from any and all claims, demands, liens or suits of any kind or nature whatsoever (including suits for injunctive relief) by the Illinois Department of Labor under the Illinois Prevailing Wage Act, Section 820 ILCS 130/1., or by any laborer, worker or mechanic employed by the contractor or the subcontractor who alleges that he has been paid for his services in a sum less than prevailing wage rates required by Illinois law. The Owner agrees to notify the contractor or subcontractor of the pendency of any such claim, demand, lien or suit.

By submitting a bid, each bidder agrees to waive any claim it has or may have against the Owner, the Architect, Engineer, Construction Manager and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid; waiver of any requirements under the Bid Documents; or the Contract Document; acceptance or rejection of any bids; and award of the Contract.

Signature:

Respectfully submitted this _____ day _____, 2022

Type of Firm (Bidder to indicate)

_____ Individual

_____ Partnership

_____ Corporation

_____ Joint Venture

_____ Other

(C O R P O R A T E S E A L)

_____
(Firm Name)

_____
(Address)

_____ _____
(Telephone Number) (FAX)

_____
(E-mail Address)

_____
(Bidder's Signature)

_____
(Title)

Subscribed and sworn to me
this _ day of __, 2022

_____

NOTE: All pages of this bid form must be returned with your proposal. Failure to do so shall disqualify your bid.

CERTIFICATE OF BIDDER ELIGIBILITY

720 ILCS 5/33E-11 REQUIRES THAT ALL CONTRACTORS BIDDING FOR PUBLIC AGENCIES IN THE State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

_____, as part of its bid for the _____work for Community High School District 99, Downers Grove, Illinois, DuPage County, Illinois certified that said contractor is not barred from bidding on the aforementioned contract as a result of violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33-E4.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

CRIMINAL CODE CERTIFICATION
AS REQUIRED BY:
STATE OF ILLINOIS CRIMINAL CODE OF 2012, 720 ILCS 5/33E-11

,

I, _____the individual whose signature appears below on this bid/contract for_____hereby certify that the bidding party/contracting party is not barred from bidding on the contract as a result of a violation of either Section 33E-3 or Section 33E-4 of 720 ILCS 5/33E-3 or 5/33E-4 of the Illinois Compiled Statutes, as amended.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

EQUAL EMPLOYMENT OPPORTUNITY

Section I. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, *et seq.*

Section II. In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Rules and Regulations of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Contract may be canceled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Contract, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, or physical or mental handicap unrelated to ability, military status or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with the Act and Rules and Regulations, the Contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the Contract.

E. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations.

F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations.

G. That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

ACKNOWLEDGED AND AGREED TO:

By: _____
Authorized Agent of Contractor (name and title)

DATE: _____

SEXUAL HARASSMENT POLICY

_____, having submitted a bid for _____ (Name of Contractor)
_____ to Community High School District No. 99, hereby certifies that said contractor has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105 (A) (4).

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

TAX CERTIFICATION

I, _____, having been first duly sworn depose and state as follows:

I, _____, am the duly authorized agent for _____, which has submitted a proposal to Community High School District No. 99 for _____
_____
_____ and I hereby certify that _____ is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:

a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or

b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS

The Contractor certifies that it has in place a written program that meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and will provide a copy thereof to Community High School District No. 99 prior to commencement of work on the Project.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

CERTIFICATE REGARDING
EMPLOYENT OF ILLINOIS WORKERS ON PUBLIC WORKS

_____ agrees if at the time the Agreement is executed, or if during the term of the Agreement, there is excessive unemployment in Illinois as defined in the Employment of Illinois Workers on Public Works Act, 30- ILCS 570/0/01 et seq., as two consecutive months of unemployment exceeding 5%, then _____ agrees to employ Illinois laborers in accordance with the Employment of Illinois Workers on Public Works Act. An "Illinois laborer" is defined as any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

PREVAILING WAGE AFFIDAVIT

AFFIDAVIT: "I (we) hereby certify and affirm that if awarded a contract with Community High School District 99, we will comply fully with the "Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990, and any other amendments effective thereafter)". We further understand that current prevailing wage standards are included in the Supplementary General Conditions.

The following affidavit must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

_____, as part of its bid for the _____ work for Community High School District 99, Downers Grove, Illinois, certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of the Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990).

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

NON-COLLUSION AFFIDAVIT

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than that for the legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

The following affidavit must be signed and submitted with bidder's bid proposal.
FAILURE TO DO SO MAY RESULT IN DISCQUALIFCIATION OF THE BIDDER.

_____, as a part of its bid for the _____ work for Community High School District 99, Downers Grove, Illinois, certifies that said Contractor is not barred from bidding on the aforementioned contract as a result of a violation of the above Non-Collusion Affidavit.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

Criminal Background Investigations

Contractor hereby represents, warrants and certified that no officer or director thereof has any knowledge that any employee thereof has been convicted of committing or attempting to commit "Criminal Code of 1961," 720 ILCS, Sections 5/11-6 (Indecent solicitation of a child), 5/11-9 (Public indecency), 5/11-14 (Prostitution), 5/11-15 (Soliciting for a prostitute), 5/11-15.1 (Soliciting for a juvenile prostitute), 5/11-19 (Pimping), 5/11-19.1 (Juvenile pimping), 5/11-19.2 (Exploitation of a child), 5/11-20 (Obscenity), 5/11-20.1 (Sexual assault), 5/12-14 (Aggravated criminal sexual assault), 5/12-15 (Criminal sexual abuse), and 5/120-16 (Aggravated criminal sexual abuse), and/or those offenses defined in the "Cannabis Control Act," 720 ILCS, 550/1 et seq. (except the "Illinois Controlled Substances Act," 720 ILCS 570/100 et seq. and/or any offense committed or attempted in any other state or against the laws of the United States, which if committed or attempted in this State, would have been punishable as one or more of the foregoing offenses.

Contractor further agrees that it shall not employ any person who have or may have direct, daily contact with the pupils of any school in the district, and for whom a criminal background investigation has not been conducted pursuant hereto, and further represents and agrees that all applicants for any such employment shall furnish with their applications the attached written "Authorization for Criminal Background Information" form authorizing the Board of Education to request a criminal background investigation of said applicant pursuant to Section 5/10-21.9 of the School Code of Illinois and to receive criminal history record information pursuant thereto to determine if the applicant has been convicted of committing or attempting to commit any of the criminal or drug offenses enumerated above. Contractor further agrees to submit with said authorization payment for any costs and expenses associated with the criminal background investigation.

Contractor further represents, warrants, and certifies that no applicant for employment with respect to whom the criminal investigation reveals any conviction for committing and/or attempting to commit any of the above enumerated offenses shall be employed thereby in any position that involves or may involve contact with the students of the school district.

This certification is executed on the date hereinafter indicated by the designated contractor by its duly authorized officer.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

Date:_____

Criminal Background Investigation

The undersigned hereby authorizes in Board of Education of Community High School District 99, Downers Grove, Illinois, to request a criminal background investigation from the Illinois State Police, pursuant to Section 5/10-21.9 of the School Code of Illinois, 105 ILCS 5/10-21.9 and to receive criminal history record information pursuant thereto.

By:_____
(Signature of Applicant of Employee)

_____
(Printed or Typed Name of Applicant Employee)

Date:_____

BUSINESS CLASSIFICATION

a) **Business Entity** ***(check one)***

_____ Corporation (Publicly held)* _____ Not-for-Profit* _____ Government Agency/Public Institution*
_____ Corporation (Privately held) _____ Partnership _____ Sole Proprietor

* If checked, do not complete section III (b) and (c) below.

b) **Business Ownership** ***(check one)*** If minority or woman owned, attach copy of certification evidence.

Large Business: _____ Male Owned _____ Woman Owned
Small Business: _____ Male Owned _____ Woman Owned

BUSINESS DEFINITIONS

Small Business Concern - an independently owned and operated concern certified, or certifiable, as a small business by the Federal Small Business Administration (SBA). Standard Industrial Classification (SIC) codes may be found in the Federal Acquisition Regulations, Section 19.102 or in the Federal Procurement Regulations, Section 1-1.701.

Small Disadvantaged or Minority Business Concern - a small business concern which is at least fifty-one percent (51%) owned by one or more socially and economically disadvantaged individuals or in the case of any publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by such individuals; and whose management and daily business operations are controlled by one or more of such individuals. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans) are considered socially and economically disadvantaged.

Woman-Owned Business - a business concern that is at least fifty-one percent (51%) owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

c) **Race/Ethnicity of Ownership** ***(check one)*** based on definitions below.

_____ Black _____ Asian/Pacific or Asian/Indian _____ Caucasian
_____ Hispanic _____ Native American (American Indians, Eskimos, Aleuts and native Hawaiians)

ETHNIC GROUP DEFINITIONS

Black Americans: United States citizens whose origins are in any of the Black racial groups of Africa.
Hispanic Americans: United States citizens whose origins are in Mexico, Puerto Rico, Cuba, Portugal, Central or Central America.
Native Americans: United States citizens whose origins are in any of the original peoples of North America, i.e., American Indians, Eskimos, Aleuts and native Hawaiians.
Asian Pacific/Asian Indian Americans: United States citizens whose origins are in Japan, China, Korea, Taiwan, Cambodia, Laos, Vietnam, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, the Northern Mariana Islands, India, Pakistan, or Bangladesh.

I certify that the business classification and ethnicity indicated above reflects the true and correct status of this business in accordance with current Federal Small Business Administration criteria. I agree to inform Community High School District 99 immediately in writing of any changes to the information contained herein, including changes in ownership, controlling interest or operations. I understand that falsely certifying this information may result in suspension from participation in Community High School District 99 – Transition Building Addition

Name: _____ Title: _____
(Print or Type)

Signature: _____ Date: _____

END OF SECTION 004101

BID DATE: November 7th, at 1:00 p.m. (CST)

BID TO: Community High School District 99
Administrative Center
6301 Springside Avenue
Downers Grove, IL 60516

RECEIVED BY: Community High School District 99 Receptionist

BID FROM: _____

_____

_____

BID FOR: Bid Group 1 - Bid Package #19 - Painting

THE UNDERSIGNED:

Acknowledges receipt of:

Plans and specifications for the work indicated above.

Addenda: No._____ dated _____

No._____ dated _____

No._____ dated _____

No._____ dated _____

Having examined the site of the work, and having familiarized himself or herself with local conditions affecting the cost of the work and with all requirements of the bidding documents including Instructions to Bidders, drawings, specifications and duly issued addenda as prepared by the architect, Wight & Company, hereby agrees to perform all work and furnish all labor, material and equipment specifically required of him by the bidding documents and such additional work as may be included as related requirements in other divisions or sections of the specifications, exclusive of alternate bids.

Agrees:

To furnish and install the described material and/or services for stated lump sum price.

To hold this bid open until **90** calendar days after bid opening date.

To accept the provisions of the General Provisions (Project Manual Division 0 – Bidding & Contracting Requirements Section 00201) and disposition of bid security.

To enter into and execute a contract with the Owner, if awarded on the basis of this bid, and in connection therewith to:

1. Furnish all bonds and insurance required by the bidding documents.
2. Accomplish the work in accordance with the contract.
3. Complete the work within the contract time herein specified.

Completion Time:

The undersigned agrees to begin construction immediately, or as directed by the Construction Manager, upon notice of contract award and to perform the following components of the work in accordance with the Construction Manager's Construction. This schedule is bound in the Project Manual. See attached scope of work in section 0300.

SCOPE OF WORK:

The work in this agreement (without additional compensation) shall include, but shall not necessarily be limited to, all skilled labor, supervision, premium time, materials, tools, equipment, plant, supplies, samples, shop drawings, design/engineering drawings, layout, transportation, supervision, contributions, insurance, taxes (if applicable), compliance with all agencies (City / Village, County, State, Federal and/or any other jurisdictional agency, as may be required) and/or all services and facilities necessary and/or required for the performance of all Work shown, detailed, and/or implied by the following documents and as defined herein.

It is understood that this Trade Contractor shall perform the Work for a complete and operational system as indicated or implied in all Contract Documents. It is recognized and understood that the documents upon which the bid is based are at a conceptual phase and this Contractor who has certain skills and judgments based upon his knowledge of techniques, procedures, systems, general state of the art of his specialty is expected to include in the scope of work, all items required in order to carry out a complete and functional system whether or not shown or described in the contract documents. This contract will be awarded on the basis of such documents with the understanding that this contractor is to furnish and install all items required for the proper completion of this wok without adjustment to this contract price. No extra payments shall be made of claims entertained as a result of such items, unless it can be clearly demonstrated to be added scope to the contract and beyond the original intent of the documents.

Contractor to provide all Trade Contract work referenced in:

1. Any sheet of this bid group package including (reference Division 0 – Bidding and Contract Requirements, Section 001110 – Notice to Bidders).
2. Specification 004100 Bid Packages Scope Document.

WORK BASE BID: For providing all work including all allowances as required for the completion of the construction of the base bid project as shown on the drawings and specifications and NOT including alternate bids and/or contractor's proposed alternates and substitutes.

BASE BID

TOTAL BASE BID AMOUNT **TRANSITION BUILDING ADDITION:**

_____Dollars ($_____)

1. This TRADE CONTRACTOR **shall include an allowance of $20,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

2. Alternate #2: This TRADE CONTRACTOR shall provide a Credit for NOT painting the existing siding per section 2 on A4.00.

ADD/DEDUCT_____Dollars ($_____)

3. Alternate #3: This TRADE CONTRACTOR shall provide a Credit for NOT painting the existing north façade CMU per section 1 on A4.00.

ADD/DEDUCT_____Dollars ($_____)

4. Alternate #4: This TRADE CONTRACTOR shall provide an Alternate Price to paint the conference room 102 per note 2 on A2.01.

ADD/DEDUCT_____Dollars ($_____)

5. Alternate #6: This TRADE CONTRACTOR shall provide an Alternate Price to paint the existing classrooms 1 & 2 (rooms 101 & 105). Price should include all temporary protection of adjacent areas

ADD/DEDUCT_____Dollars ($_____)

6. Alternate #8: This TRADE CONTRACTOR shall provide an Alternate Price to repaint the entire existing building interior. Price should include all temporary protection of adjacent areas.

ADD/DEDUCT_____Dollars ($_____)

1. Alternate #9: This TRADE CONTRACTOR shall provide an Alternate Price to paint the existing office 100A – North, East and West wall PT-1, South wall PT-10. Price should include all temporary protection of adjacent areas.

ADD/DEDUCT_____Dollars ($_____)

Award Basis:

The project will be awarded based upon the attached Evaluation Criteria, Section 301a. Owner and Construction Manager alternate's may be considered to find the most qualified bidder if the result of combining the base bid and the selected alternate(s) is the most qualified bid, and is to the benefit of the owner.

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates. This alternate price is not to be included in the base bid price.

Owner Requested Alternates:

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates.

Proposed Alternates: (Contractors Proposed Alternates)

	Item Specified	Proposed Alternate	Change in Bid Price
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

Owner Requested Unit Prices/Allowances (as applicable to this Trade Contractor's scope of work) (additive or deductive).

This trade contractor includes _____ dumpsters for all refuse caused by this trade contractor's work in the amount of_____Dollars ($ _____) Note: trade contractors are to include in their bid form submittal the quantity of dumpsters required to complete their work and the cost associated with same. Dumpster costs will be subtracted by change order. Dumpsters will be procured and managed by Construction Manager. Note: Dumpster use in excess of that proposed by this Trade Contractor will be adjusted by back charge.

Owner Requested Scheduling Information:

Note: The work of this Trade Contractor is to be completed in accordance with the overall project schedule as identified elsewhere in this project manual and/or as subsequently directed by Construction Manager. This Trade Contractor shall submit a proposed submittals list/schedule/material log within five (5) calendar days of Notice To Proceed.

1. Shop drawings / Submittal for this trade contractor will be submitted within 10 calendar days of receipt of notice to proceed.

Bid Acceptance:

If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within the time noted herein, after the date of opening of bids or at any time thereafter before this bid is withdrawn, the undersigned agrees that he will execute a construction contract in accordance with the bids as accepted.

The Owner reserves the right to award the contract to its best interests, review and accept any and all value engineering alternatives, negotiate with the lowest responsible bidder, to reject any or all bids, to waive any informalities in bidding and to hold all bids for the bid guarantee period. The Owner reserves the right to award separate contracts for any of the items of work bid herein.

Bid Deposit:

The undersigned furnishes herewith, as required in the Instructions to Bidders, a bid deposit in the amount of ten percent (10%) of the amount bid in the form of Cashier's Check, or Certified Check, made payable to the Owner or Bid Bond, naming the Owner as obligee. (Bidder to check form of deposit furnished.)

It is understood and agreed that should the undersigned fail to enter into a contract with the Owner or furnish acceptable contract

security within the time and in the manner herein provided, the bid deposit shall be retained by the Owner as liquidated damages and not as a forfeiture. As it is impossible to determine precisely an exact amount of damages the Owner will sustain, it is agreed that the bid deposit is a fair and equitable estimate of such damages.

REPRESENTATIONS AND CERTIFICATIONS:

The bidder makes the following representations and certifications as part of his bid on the project herein identified in the Bid Form. In the case of a joint venture bid, each party represents and certifies as to his own organization.

AVAILABILITY. The number and amount of contracts and awards pending which I am and/or will be obligated to perform, now and during the course of the project, will not interfere with or hinder the timely prosecution of my work.

SURETY. I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

INDEPENDENT PRICE DETERMINATION. The contract sum in this bid has been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.

PREVAILING WAGE. The contractor and each subcontractor shall pay not less than the general prevailing rate of hourly wages for work of a similar character in the locality in which the work is performed and not less than general prevailing rate of hourly wages for legal holidays and overtime work in the performance of work under this contract, as established by the Illinois Department of Labor, pursuant to an act of the General Assembly of the State of Illinois approved June 26, 1941 as amended according to Section 820 ILCS 130/1.

Pursuant to Section 820 ILCS 130/5, the contractor and each subcontractor shall keep an accurate record showing the names and occupation of all laborers, workers and mechanics employed by them, and also showing the actual hourly wages paid to each such individual, which record shall be open at all reasonable hours to inspection by the Owner, its officers and agents, and to agents of the Illinois Department of Labor.

The contractor and each subcontractor hereby agree, jointly and severally, to defend, indemnify and hold harmless the Owner from any and all claims, demands, liens or suits of any kind or nature whatsoever (including suits for injunctive relief) by the Illinois Department of Labor under the Illinois Prevailing Wage Act, Section 820 ILCS 130/1., or by any laborer, worker or mechanic employed by the contractor or the subcontractor who alleges that he has been paid for his services in a sum less than prevailing wage rates required by Illinois law. The Owner agrees to notify the contractor or subcontractor of the pendency of any such claim, demand, lien or suit.

By submitting a bid, each bidder agrees to waive any claim it has or may have against the Owner, the Architect, Engineer, Construction Manager and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid; waiver of any requirements under the Bid Documents; or the Contract Document; acceptance or rejection of any bids; and award of the Contract.

Signature:

Respectfully submitted this _____ day _____, 2022

Type of Firm (Bidder to indicate)

_____ Individual

_____ Partnership

_____ Corporation

_____ Joint Venture

_____ Other

(C O R P O R A T E S E A L)

_____
(Firm Name)

_____
(Address)

_____ _____
(Telephone Number) (FAX)

_____
(E-mail Address)

_____
(Bidder's Signature)

_____
(Title)

Subscribed and sworn to me
this _ day of __, 2022

_____

NOTE: All pages of this bid form must be returned with your proposal. Failure to do so shall disqualify your bid.

CERTIFICATE OF BIDDER ELIGIBILITY

720 ILCS 5/33E-11 REQUIRES THAT ALL CONTRACTORS BIDDING FOR PUBLIC AGENCIES IN THE State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

_____, as part of its bid for the _____work for Community High School District 99, Downers Grove, Illinois, DuPage County, Illinois certified that said contractor is not barred from bidding on the aforementioned contract as a result of violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33-E4.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

CRIMINAL CODE CERTIFICATION
AS REQUIRED BY:
STATE OF ILLINOIS CRIMINAL CODE OF 2012, 720 ILCS 5/33E-11

,

I, _____the individual whose signature appears below on this bid/contract for_____hereby certify that the bidding party/contracting party is not barred from bidding on the contract as a result of a violation of either Section 33E-3 or Section 33E-4 of 720 ILCS 5/33E-3 or 5/33E-4 of the Illinois Compiled Statutes, as amended.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

EQUAL EMPLOYMENT OPPORTUNITY

Section I. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, *et seq.*

Section II. In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Rules and Regulations of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Contract may be canceled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Contract, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, or physical or mental handicap unrelated to ability, military status or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with the Act and Rules and Regulations, the Contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the Contract.

E. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations.

F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations.

G. That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

ACKNOWLEDGED AND AGREED TO:

By: _____
Authorized Agent of Contractor (name and title)

DATE: _____

SEXUAL HARASSMENT POLICY

_____, having submitted a bid for _____ (Name of Contractor)
_____ to Community High School District No. 99, hereby certifies that said contractor has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105 (A) (4).

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

TAX CERTIFICATION

I, _____, having been first duly sworn depose and state as follows:

I, _____, am the duly authorized agent for _____, which has submitted a proposal to Community High School District No. 99 for _____
_____
____ and I hereby certify that _____ is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:

a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or

b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS

The Contractor certifies that it has in place a written program that meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and will provide a copy thereof to Community High School District No. 99 prior to commencement of work on the Project.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

CERTIFICATE REGARDING
EMPLOYENT OF ILLINOIS WORKERS ON PUBLIC WORKS

_____ agrees if at the time the Agreement is executed, or if during the term of the Agreement, there is excessive unemployment in Illinois as defined in the Employment of Illinois Workers on Public Works Act, 30- ILCS 570/0/01 et seq., as two consecutive months of unemployment exceeding 5%, then _____ agrees to employ Illinois laborers in accordance with the Employment of Illinois Workers on Public Works Act. An "Illinois laborer" is defined as any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

PREVAILING WAGE AFFIDAVIT

AFFIDAVIT: "I (we) hereby certify and affirm that if awarded a contract with Community High School District 99, we will comply fully with the "Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990, and any other amendments effective thereafter)". We further understand that current prevailing wage standards are included in the Supplementary General Conditions.

The following affidavit must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

_____, as part of its bid for the _____ work for Community High School District 99, Downers Grove, Illinois, certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of the Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990).

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

NON-COLLUSION AFFIDAVIT

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than that for the legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

The following affidavit must be signed and submitted with bidder's bid proposal.
FAILURE TO DO SO MAY RESULT IN DISCQUALIFCIATION OF THE BIDDER.

_____, as a part of its bid for the _____ work for Community High School District 99, Downers Grove, Illinois, certifies that said Contractor is not barred from bidding on the aforementioned contract as a result of a violation of the above Non-Collusion Affidavit.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

Criminal Background Investigations

Contractor hereby represents, warrants and certified that no officer or director thereof has any knowledge that any employee thereof has been convicted of committing or attempting to commit "Criminal Code of 1961," 720 ILCS, Sections 5/11-6 (Indecent solicitation of a child), 5/11-9 (Public indecency), 5/11-14 (Prostitution), 5/11-15 (Soliciting for a prostitute), 5/11-15.1 (Soliciting for a juvenile prostitute), 5/11-19 (Pimping), 5/11-19.1 (Juvenile pimping), 5/11-19.2 (Exploitation of a child), 5/11-20 (Obscenity), 5/11-20.1 (Sexual assault), 5/12-14 (Aggravated criminal sexual assault), 5/12-15 (Criminal sexual abuse), and 5/120-16 (Aggravated criminal sexual abuse), and/or those offenses defined in the "Cannabis Control Act," 720 ILCS, 550/1 et seq. (except the "Illinois Controlled Substances Act," 720 ILCS 570/100 et seq. and/or any offense committed or attempted in any other state or against the laws of the United States, which if committed or attempted in this State, would have been punishable as one or more of the foregoing offenses.

Contractor further agrees that it shall not employ any person who have or may have direct, daily contact with the pupils of any school in the district, and for whom a criminal background investigation has not been conducted pursuant hereto, and further represents and agrees that all applicants for any such employment shall furnish with their applications the attached written "Authorization for Criminal Background Information" form authorizing the Board of Education to request a criminal background investigation of said applicant pursuant to Section 5/10-21.9 of the School Code of Illinois and to receive criminal history record information pursuant thereto to determine if the applicant has been convicted of committing or attempting to commit any of the criminal or drug offenses enumerated above. Contractor further agrees to submit with said authorization payment for any costs and expenses associated with the criminal background investigation.

Contractor further represents, warrants, and certifies that no applicant for employment with respect to whom the criminal investigation reveals any conviction for committing and/or attempting to commit any of the above enumerated offenses shall be employed thereby in any position that involves or may involve contact with the students of the school district.

This certification is executed on the date hereinafter indicated by the designated contractor by its duly authorized officer.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

Date:_____

Criminal Background Investigation

The undersigned hereby authorizes in Board of Education of Community High School District 99, Downers Grove, Illinois, to request a criminal background investigation from the Illinois State Police, pursuant to Section 5/10-21.9 of the School Code of Illinois, 105 ILCS 5/10-21.9 and to receive criminal history record information pursuant thereto.

By:_____
(Signature of Applicant of Employee)

_____
(Printed or Typed Name of Applicant Employee)

Date:_____

BUSINESS CLASSIFICATION

a) **Business Entity** ***(check one)***

_____ Corporation (Publicly held)* _____ Not-for-Profit* _____ Government Agency/Public Institution*
_____ Corporation (Privately held) _____ Partnership _____ Sole Proprietor

* If checked, do not complete section III (b) and (c) below.

b) **Business Ownership** ***(check one)*** If minority or woman owned, attach copy of certification evidence.

Large Business: _____ Male Owned _____ Woman Owned
Small Business: _____ Male Owned _____ Woman Owned

BUSINESS DEFINITIONS

Small Business Concern - an independently owned and operated concern certified, or certifiable, as a small business by the Federal Small Business Administration (SBA). Standard Industrial Classification (SIC) codes may be found in the Federal Acquisition Regulations, Section 19.102 or in the Federal Procurement Regulations, Section 1-1.701.

Small Disadvantaged or Minority Business Concern - a small business concern which is at least fifty-one percent (51%) owned by one or more socially and economically disadvantaged individuals or in the case of any publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by such individuals; and whose management and daily business operations are controlled by one or more of such individuals. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans) are considered socially and economically disadvantaged.

Woman-Owned Business - a business concern that is at least fifty-one percent (51%) owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

c) **Race/Ethnicity of Ownership** ***(check one)*** based on definitions below.

_____ Black _____ Asian/Pacific or Asian/Indian _____ Caucasian
_____ Hispanic _____ Native American (American Indians, Eskimos, Aleuts and native Hawaiians)

ETHNIC GROUP DEFINITIONS

Black Americans: United States citizens whose origins are in any of the Black racial groups of Africa.

Hispanic Americans: United States citizens whose origins are in Mexico, Puerto Rico, Cuba, Portugal, Central or Central America.

Native Americans: United States citizens whose origins are in any of the original peoples of North America, i.e., American Indians, Eskimos, Aleuts and native Hawaiians.

Asian Pacific/Asian Indian Americans: United States citizens whose origins are in Japan, China, Korea, Taiwan, Cambodia, Laos, Vietnam, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, the Northern Mariana Islands, India, Pakistan, or Bangladesh.

I certify that the business classification and ethnicity indicated above reflects the true and correct status of this business in accordance with current Federal Small Business Administration criteria. I agree to inform Community High School District 99 immediately in writing of any changes to the information contained herein, including changes in ownership, controlling interest or operations. I understand that falsely certifying this information may result in suspension from participation in Community High School District 99 – Transition Building Addition.

Name: _____ Title: _____
(Print or Type)

Signature: _____ Date: _____

END OF SECTION 004101

BID DATE: November 7th, at 1:00 p.m. (CST)

BID TO: Community High School District 99
Administrative Center
6301 Springside Avenue
Downers Grove, IL 60516

RECEIVED BY: Community High School District 99 Receptionist

BID FROM: _____

_____

_____

BID FOR: Bid Group 1 - Bid Package #21 - Signage

THE UNDERSIGNED:

Acknowledges receipt of:

Plans and specifications for the work indicated above.

Addenda: No._____ dated _____

No._____ dated _____

No._____ dated _____

No._____ dated _____

Having examined the site of the work, and having familiarized himself or herself with local conditions affecting the cost of the work and with all requirements of the bidding documents including Instructions to Bidders, drawings, specifications and duly issued addenda as prepared by the architect, Wight & Company, hereby agrees to perform all work and furnish all labor, material and equipment specifically required of him by the bidding documents and such additional work as may be included as related requirements in other divisions or sections of the specifications, exclusive of alternate bids.

Agrees:

To furnish and install the described material and/or services for stated lump sum price.

To hold this bid open until **90** calendar days after bid opening date.

To accept the provisions of the General Provisions (Project Manual Division 0 – Bidding & Contracting Requirements Section 00201) and disposition of bid security.

To enter into and execute a contract with the Owner, if awarded on the basis of this bid, and in connection therewith to:

1. Furnish all bonds and insurance required by the bidding documents.
2. Accomplish the work in accordance with the contract.
3. Complete the work within the contract time herein specified.

Completion Time:

The undersigned agrees to begin construction immediately, or as directed by the Construction Manager, upon notice of contract award and to perform the following components of the work in accordance with the Construction Manager's Construction. This schedule is bound in the Project Manual. See attached scope of work in section 0300.

SCOPE OF WORK:

The work in this agreement (without additional compensation) shall include, but shall not necessarily be limited to, all skilled labor, supervision, premium time, materials, tools, equipment, plant, supplies, samples, shop drawings, design/engineering drawings, layout, transportation, supervision, contributions, insurance, taxes (if applicable), compliance with all agencies (City / Village, County, State, Federal and/or any other jurisdictional agency, as may be required) and/or all services and facilities necessary and/or required for the performance of all Work shown, detailed, and/or implied by the following documents and as defined herein.

It is understood that this Trade Contractor shall perform the Work for a complete and operational system as indicated or implied in all Contract Documents. It is recognized and understood that the documents upon which the bid is based are at a conceptual phase and this Contractor who has certain skills and judgments based upon his knowledge of techniques, procedures, systems, general state of the art of his specialty is expected to include in the scope of work, all items required in order to carry out a complete and functional system whether or not shown or described in the contract documents. This contract will be awarded on the basis of such documents with the understanding that this contractor is to furnish and install all items required for the proper completion of this wok without adjustment to this contract price. No extra payments shall be made of claims entertained as a result of such items, unless it can be clearly demonstrated to be added scope to the contract and beyond the original intent of the documents.

Contractor to provide all Trade Contract work referenced in:

1. Any sheet of this bid group package including (reference Division 0 – Bidding and Contract Requirements, Section 001110 – Notice to Bidders).
2. Specification 004100 Bid Packages Scope Document.

WORK BASE BID: For providing all work including all allowances as required for the completion of the construction of the base bid project as shown on the drawings and specifications and NOT including alternate bids and/or contractor's proposed alternates and substitutes.

BASE BID

TOTAL BASE BID AMOUNT **TRANSITION BUILDING ADDITION:**

_____Dollars ($_____)

1. This TRADE CONTRACTOR **shall include an allowance of $2,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

1. Alternate #4 - This TRADE CONTRACTOR shall provide an Alternate Price to furnish and install the sign for conference room 102.

ADD/DEDUCT_____Dollars ($_____)

2. Alternate #10 - This TRADE CONTRACTOR shall provide an Alternate Price to furnish and install the monumental sign shown on detail 4 on A4.00.

ADD/DEDUCT_____Dollars ($_____)

Award Basis:

The project will be awarded based upon the attached Evaluation Criteria, Section 301a. Owner and Construction Manager alternate's may be considered to find the most qualified bidder if the result of combining the base bid and the selected alternate(s) is the most qualified bid, and is to the benefit of the owner.

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates. This alternate price is not to be included in the base bid price.

Owner Requested Alternates:

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates.

Proposed Alternates: (Contractors Proposed Alternates)

	Item Specified	Proposed Alternate	Change in Bid Price
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

Owner Requested Unit Prices/Allowances (as applicable to this Trade Contractor's scope of work) (additive or deductive).

This trade contractor includes _____ dumpsters for all refuse caused by this trade contractor's work in the amount of_____Dollars ($ _____) Note: trade contractors are to include in their bid form submittal the quantity of dumpsters required to complete their work and the cost associated with same. Dumpster costs will be subtracted by change order. Dumpsters will be procured and managed by Construction Manager. Note: Dumpster use in excess of that proposed by this Trade Contractor will be adjusted by back charge.

Owner Requested Scheduling Information:

Note: The work of this Trade Contractor is to be completed in accordance with the overall project schedule as identified elsewhere in this project manual and/or as subsequently directed by Construction Manager. This Trade Contractor shall submit a proposed submittals list/schedule/material log within five (5) calendar days of Notice To Proceed.

1. Shop drawings / Submittal for this trade contractor will be submitted within 10 calendar days of receipt of notice to proceed.

Bid Acceptance:

If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within the time noted herein, after the date of opening of bids or at any time thereafter before this bid is withdrawn, the undersigned agrees that he will execute a construction contract in accordance with the bids as accepted.

The Owner reserves the right to award the contract to its best interests, review and accept any and all value engineering alternatives, negotiate with the lowest responsible bidder, to reject any or all bids, to waive any informalities in bidding and to hold all bids for the bid guarantee period. The Owner reserves the right to award separate contracts for any of the items of work bid herein.

Bid Deposit:

The undersigned furnishes herewith, as required in the Instructions to Bidders, a bid deposit in the amount of ten percent (10%) of the amount bid in the form of Cashier's Check, or Certified Check, made payable to the Owner or Bid Bond, naming the Owner as obligee. (Bidder to check form of deposit furnished.)

It is understood and agreed that should the undersigned fail to enter into a contract with the Owner or furnish acceptable contract security within the time and in the manner herein provided, the bid deposit shall be retained by the Owner as liquidated damages and not as a forfeiture. As it is impossible to determine precisely an exact amount of damages the Owner will sustain, it is agreed that the bid deposit is a fair and equitable estimate of such damages.

REPRESENTATIONS AND CERTIFICATIONS:

The bidder makes the following representations and certifications as part of his bid on the project herein identified in the Bid Form. In the case of a joint venture bid, each party represents and certifies as to his own organization.

AVAILABILITY. The number and amount of contracts and awards pending which I am and/or will be obligated to perform, now and during the course of the project, will not interfere with or hinder the timely prosecution of my work.

SURETY. I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

INDEPENDENT PRICE DETERMINATION. The contract sum in this bid has been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.

PREVAILING WAGE. The contractor and each subcontractor shall pay not less than the general prevailing rate of hourly wages for work of a similar character in the locality in which the work is performed and not less than general prevailing rate of hourly wages for legal holidays and overtime work in the performance of work under this contract, as established by the Illinois Department of Labor, pursuant to an act of the General Assembly of the State of Illinois approved June 26, 1941 as amended according to Section 820 ILCS 130/1.

Pursuant to Section 820 ILCS 130/5, the contractor and each subcontractor shall keep an accurate record showing the names and occupation of all laborers, workers and mechanics employed by them, and also showing the actual hourly wages paid to each such

individual, which record shall be open at all reasonable hours to inspection by the Owner, its officers and agents, and to agents of the Illinois Department of Labor.

The contractor and each subcontractor hereby agree, jointly and severally, to defend, indemnify and hold harmless the Owner from any and all claims, demands, liens or suits of any kind or nature whatsoever (including suits for injunctive relief) by the Illinois Department of Labor under the Illinois Prevailing Wage Act, Section 820 ILCS 130/1., or by any laborer, worker or mechanic employed by the contractor or the subcontractor who alleges that he has been paid for his services in a sum less than prevailing wage rates required by Illinois law. The Owner agrees to notify the contractor or subcontractor of the pendency of any such claim, demand, lien or suit.

By submitting a bid, each bidder agrees to waive any claim it has or may have against the Owner, the Architect, Engineer, Construction Manager and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid; waiver of any requirements under the Bid Documents; or the Contract Document; acceptance or rejection of any bids; and award of the Contract.

Signature:

Respectfully submitted this _____ day _____, 2022

Type of Firm (Bidder to indicate)

_____ Individual

_____ Partnership

_____ Corporation

_____ Joint Venture

_____ Other

(C O R P O R A T E S E A L)

_____
(Firm Name)

_____
(Address)

_____ _____
(Telephone Number) (FAX)

_____
(E-mail Address)

_____
(Bidder's Signature)

_____
(Title)

Subscribed and sworn to me
this _ day of __, 2022

_____

NOTE: All pages of this bid form must be returned with your proposal. Failure to do so shall disqualify your bid.

CERTIFICATE OF BIDDER ELIGIBILITY

720 ILCS 5/33E-11 REQUIRES THAT ALL CONTRACTORS BIDDING FOR PUBLIC AGENCIES IN THE State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

_____, as part of its bid for the _____work for Community High School District 99, Downers Grove, Illinois, DuPage County, Illinois certified that said contractor is not barred from bidding on the aforementioned contract as a result of violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33-E4.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

CRIMINAL CODE CERTIFICATION
AS REQUIRED BY:
STATE OF ILLINOIS CRIMINAL CODE OF 2012, 720 ILCS 5/33E-11

,

I, _____the individual whose signature appears below on this bid/contract for_____hereby certify that the bidding party/contracting party is not barred from bidding on the contract as a result of a violation of either Section 33E-3 or Section 33E-4 of 720 ILCS 5/33E-3 or 5/33E-4 of the Illinois Compiled Statutes, as amended.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

EQUAL EMPLOYMENT OPPORTUNITY

Section I. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, *et seq.*

Section II. In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Rules and Regulations of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Contract may be canceled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Contract, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, or physical or mental handicap unrelated to ability, military status or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with the Act and Rules and Regulations, the Contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the Contract.

E. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations.

F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations.

G. That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

ACKNOWLEDGED AND AGREED TO:

By: _____
Authorized Agent of Contractor (name and title)

DATE: _____

SEXUAL HARASSMENT POLICY

_____, having submitted a bid for _____ (Name of Contractor)
_____ to Community High School District No. 99, hereby certifies that said contractor has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105 (A) (4).

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

TAX CERTIFICATION

I, _____, having been first duly sworn depose and state as follows:

I, _____, am the duly authorized agent for _____, which has submitted a proposal to Community High School District No. 99 for _____
_____
____ and I hereby certify that _____ is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:

a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or

b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS

The Contractor certifies that it has in place a written program that meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and will provide a copy thereof to Community High School District No. 99 prior to commencement of work on the Project.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this _____ day _____, 2022

_____
Notary Public

CERTIFICATE REGARDING
EMPLOYENT OF ILLINOIS WORKERS ON PUBLIC WORKS

_____ agrees if at the time the Agreement is executed, or if during the term of the Agreement, there is excessive unemployment in Illinois as defined in the Employment of Illinois Workers on Public Works Act, 30- ILCS 570/0/01 et seq., as two consecutive months of unemployment exceeding 5%, then _____ agrees to employ Illinois laborers in accordance with the Employment of Illinois Workers on Public Works Act. An "Illinois laborer" is defined as any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

PREVAILING WAGE AFFIDAVIT

AFFIDAVIT: "I (we) hereby certify and affirm that if awarded a contract with Community High School District 99, we will comply fully with the "Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990, and any other amendments effective thereafter)". We further understand that current prevailing wage standards are included in the Supplementary General Conditions.

The following affidavit must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

_____, as part of its bid for the _____ work for Community High School District 99, Downers Grove, Illinois, certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of the Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990).

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

NON-COLLUSION AFFIDAVIT

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than that for the legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

The following affidavit must be signed and submitted with bidder's bid proposal.
FAILURE TO DO SO MAY RESULT IN DISCQUALIFCIATION OF THE BIDDER.

_____, as a part of its bid for the _____ work for Community High School District 99, Downers Grove, Illinois, certifies that said Contractor is not barred from bidding on the aforementioned contract as a result of a violation of the above Non-Collusion Affidavit.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2022

_____.
NOTARY PUBLIC

Criminal Background Investigations

Contractor hereby represents, warrants and certified that no officer or director thereof has any knowledge that any employee thereof has been convicted of committing or attempting to commit "Criminal Code of 1961," 720 ILCS, Sections 5/11-6 (Indecent solicitation of a child), 5/11-9 (Public indecency), 5/11-14 (Prostitution), 5/11-15 (Soliciting for a prostitute), 5/11-15.1 (Soliciting for a juvenile prostitute), 5/11-19 (Pimping), 5/11-19.1 (Juvenile pimping), 5/11-19.2 (Exploitation of a child), 5/11-20 (Obscenity), 5/11-20.1 (Sexual assault), 5/12-14 (Aggravated criminal sexual assault), 5/12-15 (Criminal sexual abuse), and 5/120-16 (Aggravated criminal sexual abuse), and/or those offenses defined in the "Cannabis Control Act," 720 ILCS, 550/1 et seq. (except the "Illinois Controlled Substances Act," 720 ILCS 570/100 et seq. and/or any offense committed or attempted in any other state or against the laws of the United States, which if committed or attempted in this State, would have been punishable as one or more of the foregoing offenses.

Contractor further agrees that it shall not employ any person who have or may have direct, daily contact with the pupils of any school in the district, and for whom a criminal background investigation has not been conducted pursuant hereto, and further represents and agrees that all applicants for any such employment shall furnish with their applications the attached written "Authorization for Criminal Background Information" form authorizing the Board of Education to request a criminal background investigation of said applicant pursuant to Section 5/10-21.9 of the School Code of Illinois and to receive criminal history record information pursuant thereto to determine if the applicant has been convicted of committing or attempting to commit any of the criminal or drug offenses enumerated above. Contractor further agrees to submit with said authorization payment for any costs and expenses associated with the criminal background investigation.

Contractor further represents, warrants, and certifies that no applicant for employment with respect to whom the criminal investigation reveals any conviction for committing and/or attempting to commit any of the above enumerated offenses shall be employed thereby in any position that involves or may involve contact with the students of the school district.

This certification is executed on the date hereinafter indicated by the designated contractor by its duly authorized officer.

Firm:_____

By:_____
(Signature)

_____
(Printed Name & Title)

Date:_____

Criminal Background Investigation

The undersigned hereby authorizes in Board of Education of Community High School District 99, Downers Grove, Illinois, to request a criminal background investigation from the Illinois State Police, pursuant to Section 5/10-21.9 of the School Code of Illinois, 105 ILCS 5/10-21.9 and to receive criminal history record information pursuant thereto.

By:_____
(Signature of Applicant of Employee)

_____
(Printed or Typed Name of Applicant Employee)

Date:_____

BUSINESS CLASSIFICATION

a) **Business Entity** ***(check one)***

_____ Corporation (Publicly held)* _____ Not-for-Profit* _____ Government Agency/Public Institution*
_____ Corporation (Privately held) _____ Partnership _____ Sole Proprietor

* If checked, do not complete section III (b) and (c) below.

b) **Business Ownership** ***(check one)*** If minority or woman owned, attach copy of certification evidence.

Large Business: _____ Male Owned _____ Woman Owned
Small Business: _____ Male Owned _____ Woman Owned

BUSINESS DEFINITIONS

Small Business Concern - an independently owned and operated concern certified, or certifiable, as a small business by the Federal Small Business Administration (SBA). Standard Industrial Classification (SIC) codes may be found in the Federal Acquisition Regulations, Section 19.102 or in the Federal Procurement Regulations, Section 1-1.701.

Small Disadvantaged or Minority Business Concern - a small business concern which is at least fifty-one percent (51%) owned by one or more socially and economically disadvantaged individuals or in the case of any publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by such individuals; and whose management and daily business operations are controlled by one or more of such individuals. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans) are considered socially and economically disadvantaged.

Woman-Owned Business - a business concern that is at least fifty-one percent (51%) owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

c) **Race/Ethnicity of Ownership** ***(check one)*** based on definitions below.

_____ Black _____ Asian/Pacific or Asian/Indian _____ Caucasian
_____ Hispanic _____ Native American (American Indians, Eskimos, Aleuts and native Hawaiians)

ETHNIC GROUP DEFINITIONS

Black Americans: United States citizens whose origins are in any of the Black racial groups of Africa.

Hispanic Americans: United States citizens whose origins are in Mexico, Puerto Rico, Cuba, Portugal, Central or Central America.

Native Americans: United States citizens whose origins are in any of the original peoples of North America, i.e., American Indians, Eskimos, Aleuts and native Hawaiians.

Asian Pacific/Asian Indian Americans: United States citizens whose origins are in Japan, China, Korea, Taiwan, Cambodia, Laos, Vietnam, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, the Northern Mariana Islands, India, Pakistan, or Bangladesh.

I certify that the business classification and ethnicity indicated above reflects the true and correct status of this business in accordance with current Federal Small Business Administration criteria. I agree to inform Community High School District 99 immediately in writing of any changes to the information contained herein, including changes in ownership, controlling interest or operations. I understand that falsely certifying this information may result in suspension from participation in Community High School District 99 – Transition Building Addition.

Name: _____ Title: _____
(Print or Type)

Signature: _____ Date: _____

END OF SECTION 004101

Construction & Geotechnical Material Testing, Inc.

60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

July 9, 2022

Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

CGMT Project No. 22G0281

Reference: ***Report of Subsurface Exploration and Geotechnical Engineering Services, Proposed Transition Center Addition, 4226 & 4232 Venard Road, Downers Grove, Illinois***

Dear Mr. Kolodziej:

CGMT, Inc. has completed the subsurface exploration and geotechnical engineering analyses for the proposed Transition Center Addition to be located at 4226 & 4232 Venard Road, in Downers Grove, Illinois. This report describes the subsurface exploration procedures, laboratory testing, and geotechnical recommendations for project construction. A Boring Location Plan is included in the Appendix of this report along with the Boring Logs performed for the exploration.

We appreciate this opportunity to be of service to the Community High School District 99 during the design phase of this project. If you have any questions with regard to the information and recommendations presented in this report, or if we can be of further assistance to you in any way during the planning or construction of this project, please do not hesitate to contact us.

Respectfully,

CONSTRUCTION AND GEOTECHNICAL MATERIAL TESTING, INC.

Pratik Patel, P.E.
Vice President

3pc: Encl.

REPORT OF

SUBSURFACE EXPLORATION AND
GEOTECHNICAL ENGINEERING SERVICES

TRANSITION CENTER ADDITION
4226 & 4232 VENARD ROAD
DOWNERS GROVE, ILLINOIS

CGMT PROJECT NO. 22G0281

FOR

COMMUNITY HIGH SCHOOL DISTRICT 99
DOWNERS GROVE, ILLINOIS

JULY 9, 2022

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EXECUTIVE SUMMARY

Construction & Geotechnical Material Testing, Inc. (CGMT) has completed your subsurface exploration and geotechnical engineering project. The subsurface conditions encountered during our exploration and CGMT's conclusions and recommendations are summarized below. This summary should not be considered apart from the entire text of the report with all the qualifications and considerations mentioned herein. Details of our conclusions and recommendations are discussed in the following sections and in the Appendix of this report.

The project site is located at 4226 & 4232 Venard Road in Downers Grove, Illinois. A total of thirteen (13) exploratory borings, B-1 through B-6 and P-1 through P-7, were performed for this project. The soil conditions encountered at the borings performed at the site are summarized as follows.

At each of the borings, except Boring P-2, the surface materials were underlain by dark brown, brown, and gray, firm to hard silty clay and sandy clay fill soils that extended to depths of approximately 3½ to 6 feet below the existing ground surface. The fill soils in Boring B-5 and P-4 were partially laden with organic material. Borings P-1 and P-3 ended in the fill soils at depths of approximately 5 feet below grade. Beneath the surface materials, Boring P-2 encountered gray, gravel fill that extended to the depth of practical auger refusal on an obstacle at a depth of approximately 2½ feet below existing grade. The fill soils in the borings were underlain by natural, brown and gray, firm to hard silty clay and sandy clay soils that extended to the boring termination depths of approximately 10 to 15 feet below existing grade.

We recommend that the project geotechnical engineer or his representative should be on site to monitor stripping and site preparation operations and observe that unsuitable soils have been satisfactorily removed and to observe proofrolling. Partially organic soils, such as was encountered in the upper 3½ feet at Borings B-5 and P-4 should be removed from beneath building addition areas.

Floor slabs and below grade foundation elements of the existing buildings should be completely removed where they will conflict with new construction. The tops of foundation walls should be removed to depths of at least 2 feet below the base of new pavements, but existing wall backfill materials, if encountered, should be completely removed and replaced with controlled compacted fill. Soils exposed in the excavations created by the demolition should be observed and evaluated by an experienced geotechnical technician or engineer. The completed excavations should be backfilled with properly placed and compacted fill as recommended in this report. Improper placement and compaction of fill materials during demolition/removal of existing foundations and other structures could lead to inconsistent subgrade performance resulting in foundation, floor slab and pavement distress and settlement.

If available, records of compaction obtained during the mass earthwork phase of the project should be provided to CGMT for our review. However, if records are not available, the existing fill soils appear to have been placed with some measure of control of moisture content and density and it should be feasible to support floor slabs, pavements, and new fill. If the Community High School District 99 is willing to accept some risk of total and differential settlement and associated long term maintenance, the existing fill material similar to those encountered in the borings extending to depths of approximately 3½ to 6 feet below the surrounding grade may remain in place below floor slabs and pavements but the subgrade must pass a proofroll under the observation of a CGMT geotechnical engineer or soils technician. However, if the Community High School District 99 is unwilling to accept the risk, then the existing fill soils should be completely removed and replaced with new engineered fill.

Based on the anticipated structural loading and subsurface conditions, conventional shallow foundation systems consisting of spread and/or continuous footings, extended through existing fill soils (encountered in the borings to depths of approximately 3½ to 6 feet below the existing ground surface) bearing on the natural, stiff to hard silty clay or sandy clay soils is considered feasible and appropriate to support the proposed building addition. For footings, extended through existing fill soils, bearing at depths of at least 3½ feet below grade on natural, stiff to hard silty or sandy clay soils or new, properly compacted engineered fill, we recommend a maximum net allowable soil bearing pressure of 3,000 psf be used to proportion the footings.

We recommend that the excavation of building addition foundations be monitored full-time by a CGMT geotechnical engineer or his representative to verify that the exposed subgrade materials and the soil bearing pressure will be suitable for the proposed structure.

Report Prepared By:

Nicholas Wolff

Nicholas P. Wolff, P.E.
Geotechnical Engineer

Report Reviewed By:

Pratik Patel

Pratik K. Patel, P.E.
Vice President

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PROJECT OVERVIEW

Introduction

This report presents the results of our subsurface exploration and engineering services for the proposed transition center addition in Downers Grove, Illinois. A General Location Plan included in the Appendix of this report, shows the approximate location of this project.

Project Description

ITEM	DESCRIPTION
Site Layout	See Boring Location Diagram in the Appendix
Proposed Construction	We understand the new addition will be a single-story, slab on grade structure that will include a total of approximately 6,242 square feet. We understand no basement or below grade spaces are planned.
Structural Loads	Max. column loads: 150 kips (Anticipated); Max. wall loads: 4 kips per lineal foot (Anticipated)
Grading and Existing Site Considerations	We estimate that less than 2 to 3 feet of grade changes will be needed to establish final site grades.
Ancillary Improvements	To the north of the new addition, an asphalt parking area containing 60 spaces and covering a total of approximately 22,035 square feet is also planned. A covered pavilion and outdoor play area are planned to the west of the expanded facility.

Scope of Work

The conclusions and recommendations contained in this report are based on the soil borings performed in the vicinity of the proposed building and pavement areas, and associated laboratory testing of selected soil samples. The scope of the subsurface exploration included the following.

Number of Borings	Depth (feet)
6	15
4	10
2	5
1	2¼ (Practical Auger Refusal)

The results of the soil borings, along with a Boring Location Plan showing the approximate locations where the borings were performed, are included in the Appendix of this report. Once the samples were returned to our laboratory we laboratory tests on selected representative soil samples from the borings to evaluate pertinent engineering properties, and, we analyzed the field and laboratory data to develop appropriate engineering recommendations.

The purpose of this report is to provide information and geotechnical engineering recommendations with regard to:

- Subsurface Soil and Groundwater Conditions
- Seismic Considerations
- Site Preparation and Earthwork
- Foundation Design and Construction
- Floor Slab Design and Construction
- Pavement Design and Construction

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EXPLORATION RESULTS

Site Description

ITEM	DESCRIPTION
Project Location	The project site spans the addresses of 4226 & 4232 Venard Road in Downers Grove, Illinois.
Existing Site Improvements	At the time of our exploration, the new addition area was covered with a combination of asphaltic concrete parking areas and a single family residential lot that was occupied with a single family home and grassed areas.
Existing Topography	In general, the site topography is relatively flat with site grades ranging from approximately 733 to 735 feet.

Soil Conditions

A total of thirteen (13) borings, B-1 through B-6 and P-1 through P-7, were performed for this project. The subsurface conditions encountered at the borings performed at the site can be summarized as follows.

Approximately 2 to 22 inches of topsoil was encountered at the ground surface at Borings P-1, P-2, P-3, P-5, and P-6. At the other boring locations, the borings encountered approximately 2 to 4½ inches of asphalt pavement underlain by 5 to 13 inches of aggregate base course at the ground surface.

At each of the borings, except Boring P-2, the surface materials were underlain by dark brown, brown, and gray, firm to hard silty clay and sandy clay fill soils that extended to depths of approximately 3½ to 6 feet below the existing ground surface. The fill soils in Boring B-5 and P-4 were partially laden with organic material. Borings P-1 and P-3 ended in the fill soils at depths of approximately 5 feet below grade. Beneath the surface materials, Boring P-2 encountered gray, gravel fill that extended to the depth of practical auger refusal on an obstacle at a depth of approximately 2½ feet below existing grade. The fill soils in the borings were underlain by natural, brown and gray, firm to hard silty clay and sandy clay soils that extended to the boring termination depths of approximately 10 to 15 feet below existing grade.

SOILS	SOIL CHARACTERISTICS
Silty Clay & Sandy Clay (Existing Fill)	Unconfined Compressive Strengths: 0.75 to 4.5+ tsf Dry Densities: 93.9 to 110.9 pcf Organic Contents: 12.3 to 12.8% Moisture Contents: 16.5 to 40.0 percent
Silty Clay & Sandy Clay (Natural)	Unconfined Compressive Strengths: 0.5 to 4.5+ tsf Moisture Contents: 13.4 to 24.7 percent

The specific soil types observed at the borings are noted on the boring logs, enclosed in the Appendix.

Groundwater Observations

Observations for groundwater were made during sampling and upon completion of the drilling operations at the boring locations. In auger drilling operations, water is not introduced into the boreholes, and the groundwater position can often be obtained by observing water flowing into or out of the boreholes. Furthermore, visual observation of the soil samples retrieved during the auger drilling exploration can often be used in evaluating the groundwater conditions. Groundwater levels were observed during drilling and immediately the completion of drilling. Groundwater measurements are summarized in the table below.

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BORINGS	GROUNDWATER LEVELS (FEET)	
	DURING DRILLING	IMMEDIATELY AFTER COMPLETION
All Borings	None	None

Glacial till soils in the Midwest frequently oxidize from gray to brown above the level at which the soil remains saturated. The seasonal high water table is often interpreted to be near this zone of color change. Based on the results of this exploration, the season high water table may be located at depths of approximately 13½ feet below current grade.

More definitive evidence of prevailing groundwater levels could be obtained through the use of groundwater monitoring wells, which CGMT could install and monitor if requested.

It should be noted that the groundwater level can vary based on precipitation, evaporation, surface run-off and other factors not immediately apparent at the time of this exploration. Surface water runoff will be a factor during general construction, and steps should be taken during construction to control surface water runoff and to remove any water that may accumulate in the proposed excavations as well as floor slab and pavement areas. Precipitation generally varies seasonally. To assist in anticipating groundwater fluctuations changes throughout the year, average monthly precipitation is provided in the table below. Average precipitation levels were obtained from wunderground.com.

Seasonal Precipitation													
Month	January	February	March	April	May	June	July	August	September	October	November	December	Total
Normal Precipitation (inches)	1.73	1.79	2.50	3.38	3.68	3.45	3.70	4.90	3.21	3.15	3.15	2.25	36.89

Seismic Zone

Based on the 2015 International Building Code, Table 1615.1.1 Site Class Definitions, the site soils can be characterized as Site Class D. Site Class D is described as Stiff Soil Profile for the top 100 ft of the site soil profile. Since we drilled to a maximum depth of 20 feet for this exploration, based on our experience with the soils in this area, the available geologic maps and following the direction of IBC 2015 when there are no borings to 100 feet deep, it is our opinion the site would be defined as Site Class D.

CGMT also calculated the spectral response factors based on the site class as well as the latitude and longitude of the project location using United States Geological Survey (USGS) seismic calculator software. The calculated values are presented in the table below.

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Seismic Design Criteria					
Transition Center Addition					
Downers Grove, Illinois					
Latitude	41.80960	Longitude	-88.018858	Site Class	D
S_s	0.153g	S_{MS}	0.245g	S_{DS}	0.163g
S_1	0.065g	S_{M1}	0.156g	S_{D1}	0.104g

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ANALYSIS AND RECOMMENDATIONS

Overview

The following recommendations have been developed on the basis of the previously described project characteristics and subsurface conditions encountered. If there are any changes to the project characteristics or if different subsurface conditions are encountered during construction, CGMT should be consulted so that the recommendations of this report can be reviewed.

A summary of the results of the exploration is provided in the table below.

Preliminary Bearing Table				
Boring	Boring Depth (feet)	Depth to Groundwater (feet)		Approximate Depth to Soils Suitable for a Net Allowable Bearing Pressure of 3,000 psf*
		During Drilling	After Completion	
B-1	15	None	None	3.5
B-2	15	None	None	6
B-3	15	None	None	8.5
B-4	15	None	None	6
B-5	15	None	None	6
B-6	15	None	None	6
P-1	5	None	None	N/A
P-2	2½**	None	None	N/A
P-3	5	None	None	N/A
P-4	10	None	None	6
P-5	10	None	None	8.5
P-6	10	None	None	6
P-7	10	None	None	6

* To be used a minimum of 3½ feet below adjacent outside grade.
** Practical auger refusal

Subgrade Preparation and Engineered Fill

Subgrade Preparation

Initial subgrade preparation should consist of complete stripping/removal of topsoil, asphalt pavement course, existing base course materials, vegetation, and any other soft or unsuitable/deleterious materials from the location of the new building addition, as well as, pavement areas. Unsuitable materials, such as topsoil/buried topsoil or organic soils, should either be stockpiled for later use in landscaping fills or placed in approved disposal areas either on-site or off-site.

We recommend that the project geotechnical engineer or his representative should be on site to monitor stripping and site preparation operations and observe that unsuitable soils have been satisfactorily removed and to observe proofrolling. Partially organic soils, such as was encountered in the upper 3½ feet at Borings B-5 and P-4 should be removed from beneath building addition areas.

Existing utilities should be abandoned and relocated, and associated structures and backfill materials should be removed from proposed building areas unless they are planned to remain in service for the new building addition. Prior to construction, we recommend all utilities in the proposed construction areas be positively identified and marked. Those utilities that can be relocated should be relocated to the extent practical and backfilled with compacted/densified engineered fill. Abandoned utilities should be removed or grouted full with lean concrete. Excavations resulting from removal/demolition of existing utilities and other structures should be completely filled with engineered fill. Active utilities to remain in the construction areas should be exposed and protected during construction to reduce the potential for damage or interruption of service. Where existing utilities will remain under any structure, we recommend that the utility backfill be removed and replaced with controlled fill.

Floor slabs and below grade foundation elements of the existing buildings should be completely removed where they will conflict with new construction. The tops of foundation walls should be removed to depths of at least 2 feet below the base of new pavements, but existing wall backfill materials, if encountered, should be completely removed and replaced with controlled compacted fill. Soils exposed in the excavations created by the demolition should be observed and evaluated by an experienced geotechnical technician or engineer. The completed excavations should be backfilled with properly placed and compacted fill as recommended in this report. Improper placement and compaction of fill materials during demolition/removal of existing foundations and other structures could lead to inconsistent subgrade performance resulting in foundation, floor slab and pavement distress and settlement.

It has been our experience that many demolition contractors place the debris from the structure below grade and cap with soil. These type of activities will not provide a suitable subgrade for new foundations, slabs or pavements. Costs of removal and replacement of demolition debris could unnecessarily add thousands of additional dollars to the cost of the project. The presence of a CGMT geotechnical engineer on the site during demolition and backfilling operations would reduce the potential for unnecessary removal and replacement to take place during construction.

We do not recommend the use of 3-inch stone or "Pea Gravel" as engineered fill to backfill undercuts, particularly under floor slabs, pavements and foundations. Due to the large diameter and/or absence of fines, the 3-inch rock exhibits large voids. Fill materials containing large voids are more susceptible to future movement that may become unstable resulting in excessive and variable settlement.

Current EPA and State law requires an asbestos survey prior to demolition or renovation activities. In the event regulated asbestos materials are confirmed to be present, any regulated asbestos materials that would be disturbed must removed prior to such disturbance by a licensed asbestos removal firm.

After removal of unsuitable/deleterious materials and stripping to the desired grade, and prior to fill placement, we recommend the stripped/exposed subgrades be observed by an experienced geotechnical engineer or his authorized representative at the time of construction in order to aid in identifying localized soft/loose or unsuitable materials which should be removed. Proofrolling using a loaded dump truck having an axle weight of at least 10 tons, may be used at this time to aid in identifying localized soft or unsuitable material which should be removed. Any soft or unsuitable materials encountered during proofrolling should be compacted in place or removed and replaced with an approved backfill compacted to the criteria given below.

If available, records of compaction obtained during the mass earthwork phase of the project should be provided to CGMT for our review. However, if records are not available, the existing fill soils appear to have been placed with some measure of control of moisture content and density and it should be feasible to support floor slabs, pavements, and new fill.

If the Community High School District 99 is willing to accept some risk of total and differential settlement and associated long term maintenance, the existing fill material similar to those encountered in the borings extending to depths of approximately 3½ to 6 feet below the surrounding grade may remain in place below floor slabs and pavements but the subgrade must pass a proofroll under the observation of a CGMT geotechnical engineer or soils technician. However, if the Community High School District 99 is unwilling to accept the risk, then the existing fill soils should be completely removed and replaced with new engineered fill.

During final preparation of subgrades, a smooth drum roller is often used to provide a flat surface and provide for better drainage to reduce the negative impact of rain events. Due to the relative sensitivity of the silty clay soils, we recommend that these materials be static rolled (no vibrations) to reduce the potential for subgrade soil disturbance. We also recommend crowning the subgrade to provide positive drainage off the building pad and parking lot subgrades.

Engineered Fill

Where new fill material is required for backfill or to otherwise reach the design subgrade elevation beneath slabs-on-grade and pavements, we recommend that engineered fill be used. Any soil placed as engineered fill should be an approved material, free of organic matter or debris, be a non-frost susceptible soil, and have a liquid limit and plasticity index less than 40 and 15, respectively. The project geotechnical engineer should be consulted to determine the suitability of off-site/on-site materials for use as engineered fill, prior to use or placement. We do not recommend the use of 3-inch stone as engineered fill to backfill undercuts, particularly under floor slabs and foundations. Fill materials containing large voids are more susceptible to future movement that may become unstable resulting in excessive and variable settlement.

Fill should be placed in lifts not exceeding 8 inches in loose thickness, moisture conditioned to within 2 percent of the optimum moisture content, and compacted to at least 95 percent of the maximum dry density obtained in accordance with ASTM Specification D 1557, Modified Proctor Method. Fill placed below footing base elevations should be compacted to at least 95 percent of the material's modified Proctor maximum dry density (ASTM D 1557). Engineered fill placed to support foundations should extend 1 foot beyond the outside edges of the footings and from that point outward laterally 1 foot for every 2 feet of fill thickness below the footings. Laboratory proctor tests should be performed on fill materials to determine the maximum dry density and optimum moisture content. A shrinkage factor of 15 percent can be assumed for estimating earthwork quantities for bidding purposes.

We recommend suitable silty clays used to raise the grade or backfill undercuts should be compacted with a sheepsfoot roller. Granular engineered fill should be compacted with a smooth drum roller or adequate heavy vibratory plate. Moisture control during earthwork operations, including the use of disking or appropriate drying equipment and techniques, should be expected.

In-place density tests should be performed with a minimum of 1 test per 2,000 square feet of fill area for each lift of fill placed. We recommend that the placement of engineered fill be monitored full-time by CGMT representative and in-place density tests should be performed to verify the adequacy of the compaction for each lift of fill placed.

Footing Foundations

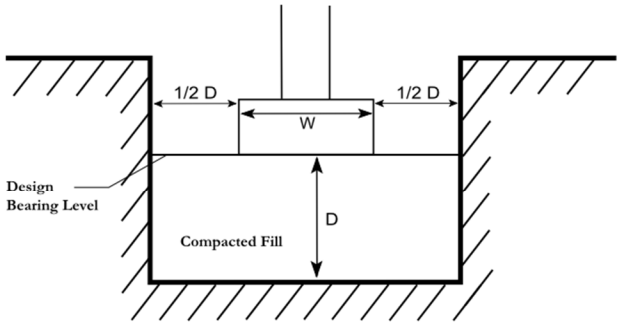
Based on the anticipated structural loading and subsurface conditions, conventional shallow foundation systems consisting of spread and/or continuous footings, extended through existing fill soils (encountered in the borings to depths of approximately 3½ to 6 feet below the existing ground surface) bearing on the natural, stiff to hard silty clay or sandy clay soils is considered feasible and appropriate to support the proposed building addition. For footings, extended through existing fill soils, bearing at depths of at least 3½ feet below grade on natural, stiff to hard silty or sandy clay soils or new, properly compacted engineered fill, we recommend a maximum net allowable soil bearing pressure of 3,000 psf be used to proportion the footings.

To reduce the potential for foundation bearing failure and excessive settlement due to local shear or "punching" action, we recommend that continuous footings have a minimum width of 18 inches and that isolated column footings have a minimum lateral dimension of 30 inches. In addition, footings should be placed at a depth to provide adequate frost cover protection. We recommend the footings be placed at a minimum depth of 3½ feet below finished grade. Interior footings in heated areas can be placed at a minimum of 2 feet below grade provided that suitable soils are encountered and that the foundations will not be subjected to freezing weather either during or after construction.

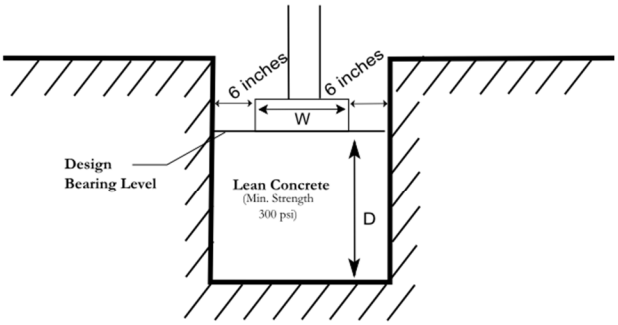
The base of new footings adjacent to the existing building should bear at the same elevation as existing footings. The bottom of existing footings should not be undermined. The sides of footings adjacent to the existing building should be separated by at least 12 inches to reduce overlapping pressure distributions.

We recommend that the excavation of building foundations be monitored on a full-time basis by a CGMT geotechnical engineer or his representative to verify that the exposed subgrade materials and the soil bearing capacity will be suitable for the proposed building and is consistent with the boring log information obtained during the geotechnical exploration.

The contractor should be prepared to undercut/overexcavate and extend the footings to soils of adequate bearing capacity. As an alternative, after overexcavation and removal of weaker/low bearing capacity soils or unsuitable soils, the foundation subgrade can be raised using compacted engineered fill or lean concrete to a minimum frost depth of 3½ feet below final exterior grade. Engineered fill should be compacted to a minimum of 95 percent of the maximum dry density as discussed in the **Subgrade Preparation and Engineered Fill** section. The zone of the engineered fill placed below the foundations should extend 1 foot beyond the outside edges of the footings and from that point, outward laterally 1 foot inches for every 2 feet of fill thickness below the footing. The overexcavation and backfill procedure is depicted in the figure below. If lean concrete is used to replace weaker/low bearing soils or unsuitable soils, no lateral overexcavation will be necessary, but the excavation should be 1 foot wider than the footing (6 inches on each side).



Overexcavation and Backfill Procedure
(Recommended for Relatively Shallow Deepening)



Overexcavation and Lean Concrete Backfill Procedure
(Recommended for Greater Deepening)

Settlement of the conventional shallow foundations, designed in accordance with our recommendations presented in this report, is expected to be within tolerable limits for the proposed building. For footings, extended through existing fill soils, placed on natural, stiff to hard silty clay or sandy clay, or properly compacted engineered fill and designed as discussed above, maximum total settlement is expected to be in the range of 1 inch or less. These settlement values are based on our engineering experience with the soil and the anticipated structural loading, and are to guide the structural engineer with his design.

Floor Slab Design

For the design and construction of the new building slabs-on-grade for the proposed building, we recommend that all existing vegetation, pavement, topsoil or organic soils, and any unsuitable/deleterious materials should be removed and replaced with compacted engineered fill as discussed in the **Site Preparation and Engineered Fill** section. If the removal is performed in accordance with these recommendations, we anticipate floor slabs for the structures will be supported on stable and approved subgrades consisting of silty clay, or on new engineered fill.

It is assumed that the existing floor slab subgrade has performed satisfactorily during the proofroll discussed in the Subgrade Preparation subsection, even though existing fill soils were encountered to depths of 3½ to 6 feet. Provided that the floor slab subgrade passes a proofroll, the risk of excessive settlement is low. However, if the floor slab subgrade does not pass the proofroll, some undercutting and placement of controlled backfill will be required.

We recommend that floor slabs be underlain by a minimum of 6 inches of granular material having a maximum aggregate size of 1½ inches and no more than 2 percent of fines. Prior to placing the granular material, the floor subgrade soil should be properly compacted, proofrolled, and free of standing water, mud, and frozen soil. For design of Portland cement concrete slabs-on-grade, a modulus of subgrade reaction (k) of 100 pounds per cubic inch (pci) can be used for slabs constructed on subgrade prepared as discussed herein.

A properly designed and constructed capillary break layer can often mitigate the need for a moisture retarder and can assist in more uniform curing of concrete. If a vapor retarder is considered to provide additional moisture protection, special attention should be given to the surface curing of the slabs to reduce uneven drying of the slabs and associated cracking and/or slab curling. The use of a blotter or cushion layer above the vapor retarder can also be considered for project specific reasons. Please refer to ACI 302.1R96 *Guide for Concrete Floor and Slab Construction* and ASTM E 1643 *Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs* for additional guidance on this issue.

We recommend that the floor slab be isolated from the foundation footings so differential settlement of the structure will not induce shear stresses on the floor slab. Also, in order to reduce the crack width of any shrinkage cracks that may develop near the surface of the slab, we recommend mesh reinforcement as a minimum be included in the design of the floor slab. Temperature and shrinkage reinforcements in slabs on ground should be positioned in the upper third of the slab thickness. The Wire Reinforcement Institute recommends the mesh reinforcement be placed 2 inches below the slab surface or upper one-third of slab thickness, whichever is closer to the surface. Adequate construction joints, contraction joints and isolation joints should also be provided in the slab to reduce the impacts of cracking and shrinkage. Please refer to ACI 302.1R96 *Guide for Concrete Floor and Slab Construction* for additional information regarding concrete slab joint design.

Pavements

Borings P-1 through P-7 were performed within new pavement areas for the expanded facility. For the design and construction of exterior pavements, we recommend that topsoil, old pavement be removed before construction of new pavements and that new pavements will be supported by stable and approved subgrades consisting of silty clay, or on new engineered fill.

It is assumed that the existing pavement subgrade has performed satisfactorily during the proofroll discussed in the **Subgrade Preparation** subsection, even though existing fill soils were encountered to depths of 3½ to 6 feet. Provided that the pavement subgrade passes a proofroll, the risk of excessive settlement is low. However, if the pavement subgrade does not pass the proofroll, some undercutting and placement of controlled backfill will be required.

We anticipate the new pavement will be constructed of asphaltic concrete or Portland cement concrete. We expect that the proposed parking lot will generally be utilized for light duty traffic, and the driveways and loading and unloading areas be utilized for light to medium duty traffic. Heavy traffic loads would be anticipated for areas near any dumpsters where garbage trucks would often cross. We recommend the pavement subjected to light traffic be underlain by a minimum of 8 inches of base course granular material, similar to Illinois Department of Transportation gradation CA-6.

Assuming the pavement subgrade will consist predominantly of the cohesive soils and new fill prepared in accordance with the recommendations given in this report, an estimated IBR value of 3 could be used in proportioning a flexible pavement section. Similarly, an estimated modulus of subgrade reaction value equal to 100 pounds per cubic inch could be used for design of rigid concrete pavement sections. A Subgrade Stability Rating (SSR) rating of (Poor) should be used for pavement design. Concrete pavements should be air-entrained Portland cement concrete with a minimum compressive strength of 4,000 psi and a minimum flexural strength of 650 psi. Concrete strength requirements are outlined in article 1020.04 of the Standard Specifications for Road and Bridge Construction, effective April 1, 2016.

Some typical pavement sections used in this region of the country are given below which could be considered for preliminary estimating purposes. Other sections can also be considered. These sections assume a low volume of light vehicle loads (automobiles, vans, pickups, etc.). They should also be considered minimum thicknesses, and, as such, periodic maintenance should be anticipated. Final design sections should consider details such as final grades, traffic loadings, traffic volumes, the desired design life and any local, county or city codes. If you wish, we would be pleased to perform a detailed pavement section design using AASHTO or Asphalt Institute procedures when this information is available. It should also be noted that these sections do not consider if the binder course will be subject to construction vehicle traffic for an extended period of time. Some distress to the binder course and aggregate base could occur, if this is the case.

TYPICAL PAVEMENT SECTIONS*

	Light Duty (Parking Lots)	Heavy Duty ** (Drives)
Portland Cement Concrete	5 inches	6 inches
Full Depth Asphalt	5.5 inches	7 inches
Combined Section:		
Asphalt	3 inches	4 inches
Crushed Stone Base Course	8 inches	10 inches

* All materials should meet the current Illinois Department of Transportation Standard Specifications for Road and Bridge Construction requirements.

** In areas of anticipated heavy traffic, delivery trucks, or concentrated loads, a minimum concrete thickness of 7 inches is recommended but should be evaluated further when loading conditions are known.

Minimum design requirements for hot-mix asphalt (HMA) shall follow Article 1030.05 of the Standard Specifications for Road and Bridge Construction, effective April 1, 2016. During asphalt pavement construction, the wearing and leveling course should be compacted to a minimum of 93 percent of the theoretical density value. Prior to placing the granular material, the pavement subgrade soil should be properly compacted, proofrolled, and free of standing water, mud, and frozen soil.

An important consideration with the design and construction of pavements is surface and subsurface drainage. Where standing water develops, either on the pavement surface or within the base course layer, softening of the subgrade and other problems related to the deterioration of the pavement can be expected. Furthermore, good drainage should reduce the possibility of the subgrade materials becoming saturated over a long period of time. We would be pleased to be of further assistance to you in the design of the project pavements by providing additional recommendations during construction of the project.

Periodic maintenance of pavements should be anticipated. The subgrade parameters provided in this report consider that significant changes in the subgrade moisture content do not occur. To reduce the potential for changes in subgrade moisture, all paved areas should be sloped to provide rapid drainage of surface water and to drain water away from the pavement edges. Water that is allowed to pond on or adjacent to the pavement can saturate and soften the subgrade soils and subsequently accelerate pavement deterioration.

Granular base or subbase materials directly below pavement sections can also collect infiltrated surface water and soften the subgrade as well as increase the effects of frost action, both of which can be detrimental to pavements. For these reasons, where granular materials are used over a cohesive soil subgrade or where the groundwater level is within 3.5 feet of finished pavement subgrade, we recommend that consideration be given to using pavement underdrains hydraulically connected to the granular base or subbase to improve the pavement performance and extend its service life. Underdrains should be installed at 300 to 500 feet intervals and at low points in the roadway profile. Pipe underdrains shall be installed according to Check Sheet #19 of the Supplemental Specifications and Recurring Special Provisions, effective January 1, 2015.

General Construction Considerations

We recommend that the subgrade preparation, installation of the foundations, and construction of slabs-on-grade be monitored by a CGMT geotechnical engineer or his representative. Methods of verification and identification such as proofrolling and hand auger probe holes will be necessary to further evaluate the subgrade soils and identify unsuitable soils. The contractor should be prepared to overexcavate footing excavations at isolated locations. We recommend that excavations of new foundations be monitored on a full-time basis by a CGMT geotechnical engineer or his representative to verify that the soil bearing pressure and the exposed subgrade materials will be suitable for the proposed transition center addition and are consistent with the boring log information obtained during this geotechnical exploration. We would be pleased to provide these services.

Since localized areas of soft/unsuitable soils may be present below the bearing elevation of foundations, we recommend that hand-auger borings be performed to at least half the footing width, or a minimum of 3 feet below each isolated column footing and to at least 2 feet below continuous footings. Hand auger borings should be performed at each column footing and at approximately 20-foot intervals along continuous footings to verify the suitability of the soils to support the recommended maximum net allowable bearing pressure. If soft/unsuitable soils are encountered, the footings should be extended until suitable bearing soils are encountered or the unsuitable soils should be removed beneath the base of the footing and replaced with compacted engineered fill or lean concrete. The foundation contractor should expect undercutting/overexcavation or removal of unsuitable material without delay and replacement with engineered fill at the time of foundation excavation/construction.

All loose or soft soils in the subgrade or foundation excavation areas should be densified or removed before placing any concrete or fill. Accumulated water or runoff water at the base of the foundation excavations should also be promptly removed. Groundwater seepage is anticipated not to be a major factor during foundation excavations or undercutting. If encountered, we believe sump and pump system should be adequate to remove accumulated seepage from the bottom of excavations prior to placement of concrete or crushed stone. Concrete should not be placed in water. To reduce the potential for frost heave related problems; forms should be used prior to the placement of foundation concrete.

Exposure to the environment may weaken the soils at the foundations bearing level if the excavations remain open for too long a time. Therefore, foundation concrete should be placed the same day that excavations are opened, when possible. If the bearing soils are softened by surface water intrusion or exposure, the softened soils must be removed from the immediately prior to placement of concrete.

We recommend adequate surface and subsurface drainage be considered in the design and construction of floor slabs and pavements. Where standing water develops, either on slab or pavement surfaces or within the base course layer, softening of the subgrade and other problems related to the deterioration of the floor slabs and pavements can be expected. Adequate drainage should reduce the possibility of the subgrade materials becoming saturated over a long period of time. To reduce water infiltration to the pavement section and within the base course layer resulting in softening of the subgrade and deterioration of the slabs and pavements, we recommend the timely repair or sealing of joints and cracks in slabs and pavement.

All unsuitable materials should be removed and replaced with environmentally clean, inorganic fill and free of debris or harmful matter. Unsuitable materials removed from the project site should be disposed of in accordance with all applicable federal, state, and local regulations.

The contractor should avoid stockpiling excavated materials immediately adjacent to the excavation walls. We recommend that stockpile materials be kept back from the excavation a minimum distance equal to the excavation depth to avoid surcharging the excavation walls. If this is impractical due to space constraints, the excavation walls should be retained with bracing designed for the anticipated surcharge loading.

Excavations should comply with the requirements of OSHA 29CFR, Part 1926, Subpart P, "Excavations" and its appendices, as well as other applicable codes. This document states that the contractor is solely responsible for the design and construction of stable, temporary excavations. The excavations should not only be in accordance with current OSHA excavation and trench safety standards but also with applicable local, state, and federal regulations. The contractor should shore, slope or bench the excavation sides when appropriate. In no case should excavations extend below the level of adjacent structures, utilities or pavements, unless underpinning or other adequate support is provided. Site safety is the sole responsibility of the contractor, who shall also be responsible for the means, methods and sequencing of construction operations.

13
EXPLORATION PROCEDURES

Subsurface Exploration Procedures

The soil borings were located in the field by a CGMT Field Engineer based on the proposed boring site plan provided to us. As required by the State of Illinois, the driller notified Illinois One-Call System, JULIE, to verify underground utilities in the vicinity of the project site prior to drilling operations.

Ten of the soil borings were performed with a truck-mounted rotary-type auger drill rig, which utilized continuous hollow stem augers to advance the boreholes. Representative soil samples were obtained at 2½ foot intervals for the first 10 feet and 5 foot intervals thereafter by means of conventional split-barrel sampling procedures. In this procedure, a 2-inch O.D., split-barrel sampler is driven into the soil a distance of 18 inches by a 140-pound hammer falling 30 inches. The number of blows required to drive the sampler through a 12-inch interval, after initial setting of 6 inches, is termed the Standard Penetration Test (SPT) or N-value and is indicated for each sample on the boring logs. The SPT value can be used as a qualitative indication of the in-place relative density of cohesionless soils. In a less reliable way, it also indicates the consistency of cohesive soils. This indication is qualitative, since many factors can significantly affect the standard penetration resistance value and prevent a direct correlation between drill crews, drill rigs, drilling procedures, and hammer-rod-sampler assemblies. The drill rig utilized an automatic trip hammer to drive the sampler. Consideration of the effect of the automatic hammer's efficiency was included in the interpretation of subsurface information for the analyses prepared for this report. Three borings were performed using hand augers. Representative samples were obtained directly from the auger.

The drill crew maintained a field log of the soils encountered in the borings. After recovery, each geotechnical soil sample was removed from the sampler and visually classified. Representative portions of each soil sample were then sealed in jars and brought to our laboratory in Elk Grove Village, Illinois for further visual examination and laboratory testing. After completion of the drilling operations, the boreholes were backfilled with auger cuttings to the existing ground surface.

Laboratory Testing Program

Representative soil samples were selected and tested in our laboratory to check field classifications and to determine pertinent engineering properties. The laboratory testing program included visual classifications and unconfined compressive strength and moisture content determinations. Selected samples were subjected to organic content determinations and dry density determinations.

An experienced geotechnical engineer classified each soil sample on the basis of texture and plasticity in accordance with the Unified Soil Classification System. The group symbols for each soil type are indicated in parentheses following the soil descriptions on the boring logs. A brief explanation of the Unified System is included with this report. The geotechnical engineer grouped the various soil types into the major zones noted on the boring logs. The stratification lines designating the interfaces between earth materials on the boring logs and profiles are approximate; in situ, the transitions may be gradual.

Unconfined compressive strength tests were performed on cohesive soil samples with the use of a calibrated hand penetrometer. In the hand penetrometer test, the unconfined compressive strength of a soil sample is estimated, to a maximum of 4½ tons per square foot (tsf) by measuring the resistance of a soil sample to penetration of a small, calibrated spring-loaded cylinder.

The soil samples will be retained in our laboratory for a period of 60 days, after which, they will be discarded unless other instructions are received as to their disposal.

14
CLOSING

We recommend that the construction activities be monitored by CGMT to provide the necessary overview and to check the suitability of the subgrade soils for supporting the foundations. Once final loads become available, CGMT must be contacted to review the recommendations presented herein.

This report has been prepared in order to aid in the evaluation of this property and to assist the architect and/or engineer in the design of this project. The scope is limited to the specific project and locations described herein and our description of the project represents our understanding of the significant aspects relative to soil and foundation characteristics. In the event that any change in the nature or location of the proposed construction outlined in this report are planned, we should be informed so that the changes can be reviewed and the conclusions of this report modified or approved in writing by the geotechnical engineer. It is recommended that all construction operations dealing with earthwork and foundations be reviewed by an experienced geotechnical engineer to provide information on which to base a decision as to whether the design requirements are fulfilled in the actual construction. If you wish, we would welcome the opportunity to provide field construction services for you during construction.

The analysis and recommendations submitted in this report are based upon the data obtained from the soil borings and tests performed at the locations as indicated on the Boring Location Plan and other information referenced in this report. This report does not reflect any variations, which may occur between the borings. In the performance of the subsurface exploration, specific information is obtained at specific locations at specific times. However, it is a well-known fact that variations in soil conditions exist on most sites between boring locations and also such situations as groundwater levels vary from time to time. The nature and extent of variations may not become evident until the course of construction. If variations then appear evident, after performing on-site observations during the construction period and noting characteristics and variations, a reevaluation of the recommendations for this report will be necessary.

APPENDIX

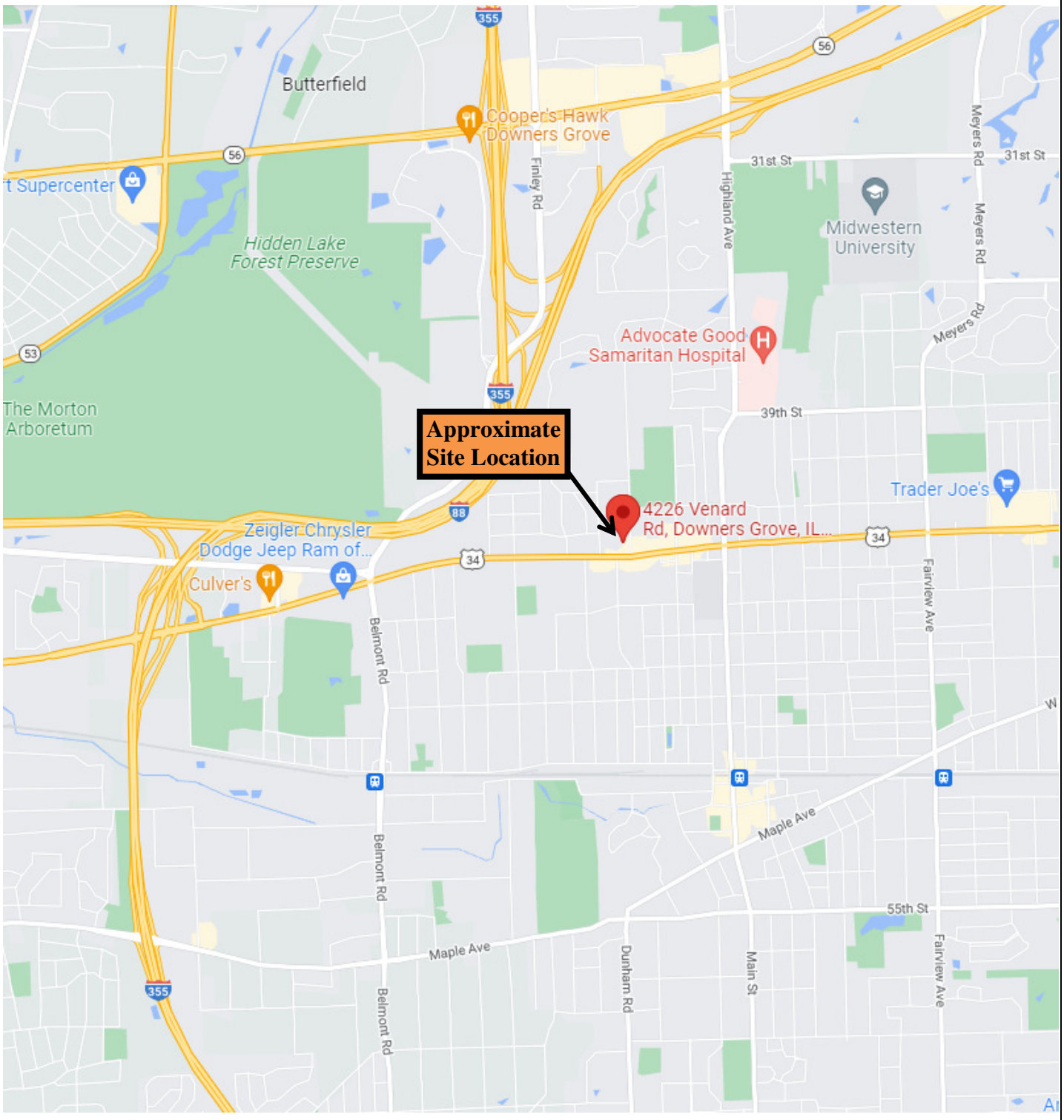
Vicinity Map

Boring Location Plan

Boring Logs

Unified Soil Classification System

Reference Notes For Boring Logs



VICINITY MAP

N

CGMT Project No. 22G0281
Transition Center Addition
4226 & 4232 Venard Road
Downers Grove, DuPage County, Illinois

Drawing Not To Scale

N

LEGEND

- Approximate Soil Boring Location

Soil Boring Location Diagram

Proposed Addition

4226 & 4232 Venard Road
Downers Grove, Illinois 60515

Project Manager	Project Number
P. Patel	22G0281
Date	Sheet Number
6/9/2022	Fig. 1

Drawing Not To Scale

LEGEND

- Approximate Soil Boring Location

N

Soil Boring Location Diagram

Proposed Addition

4226 & 4232 Venard Road
Downers Grove, Illinois 60515

Project Manager	Project Number
P. Patel	22G0281
Date	Sheet Number
6/9/2022	Fig. 2

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: B-01
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 4" of Asphalt Pavement Approximately 9" of Aggregate Base Course					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, dark brown, very stiff (CL FILL)	SS-1 1.0' - 2.5' 13" Recovery	2 3 5	27.5	2.0	
	2.0		Saturated					
	3.0							
	4.0		Silty Clay, Trace Sand and Gravel, brown and gray, hard (CL)	SS-2 3.5' - 5.0' 18" Recovery	2 4 6	15.5	4.5+	
	5.0							
	6.0			SS-3 6.0' - 7.5' 18" Recovery	3 4 6	14.2	4.0	
	7.0							
	8.0							
	9.0			SS-4 8.5' - 10.0' 18" Recovery	6 10 10	15.4	4.0	
	10.0							
	11.0							
	12.0							
	13.0							
	14.0		Silty Clay, Trace Sand and Gravel, gray, very stiff (CL)	SS-5 13.5' - 15.0' 19" Recovery	3 6 7	19.6	3.5	
	15.0		END of BORING at 15 Feet					
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: B-02
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 4 1/2" of Asphalt Pavement Approx. 13 1/2" of Aggregate Base Course					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, dark brown, very stiff (CL FILL)	SS-1 1.0' - 2.5' 12" Recovery	3 4 6	28.5	2.25	
	2.0		Saturated					
	3.0							
	4.0		Silty Clay, Trace Sand and Gravel, brown and gray, firm to very stiff (CL)	SS-2 3.5' - 5.0' 15" Recovery	2 2 2	18.2	0.5	
	5.0							
	6.0			SS-3 6.0' - 7.5' 18" Recovery	3 3 4	17.7	3.75	
	7.0							
	8.0							
	9.0			SS-4 8.5' - 10.0' 19" Recovery	3 3 4	15.5	3.75	
	10.0							
	11.0							
	12.0							
	13.0							
	14.0		Silty Clay, Trace Sand and Gravel, gray, very stiff (CL)	SS-5 13.5' - 15.0' 19" Recovery	3 4 4	18.7	3.25	
	15.0		END of BORING at 15 Feet					
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor:	CGMT, Inc.	**Water Level (Ft.)**
Drilling Method:	3¼" O.D. H.S.A. Split Spoon Sampling	**During Drilling:** None
Drilling Equipment:	CME-45C Truck Mounted Drill Rig	**Immediately After Drilling:** None
	REVIEWED BY: NPW	

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: B-03
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 4 1/2" of Asphalt Pavement Approx. 12" of Aggregate Base Course					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, dark brown, stiff to very stiff (CL FILL)	SS-1 1.0' - 2.5' 12" Recovery	3 4 4	22.8	2.75	
	2.0							
	3.0							
	4.0			SS-2 3.5' - 5.0' 14" Recovery	2 2 4	24.9	1.75	
	5.0							
	6.0		Silty Clay, Trace Sand and Gravel, brown and gray, stiff to hard (CL)	SS-3 6.0' - 7.5' 18" Recovery	2 2 3	24.7	1.5	
	7.0							
	8.0							
	9.0			SS-4 8.5' - 10.0' 15" Recovery	3 6 10	15.9	4.5+	
	10.0							
	11.0							
	12.0							
	13.0							
	14.0		Silty Clay, Trace Sand and Gravel, gray, very stiff (CL)	SS-5 13.5' - 15.0' 15" Recovery	3 4 5	15.1	2.0	
	15.0		END of BORING at 15 Feet					
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: B-04
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 4" of Asphalt Pavement Approx. 8" of Aggregate Base Course					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, dark brown, very stiff (CL FILL)	SS-1 1.0' - 2.5' 9" Recovery	3 4 8	25.7	3.0	
	2.0		Saturated					
	3.0							
	4.0		Silty Clay, Trace Sand and Gravel, brown and gray, stiff to hard (CL)	SS-2 3.5' - 5.0' 16" Recovery	2 2 3	20.0	1.75	
	5.0							
	6.0			SS-3 6.0' - 7.5' 16" Recovery	2 3 3	16.7	2.75	
	7.0							
	8.0							
	9.0			SS-4 8.5' - 10.0' 16" Recovery	3 6 8	17.0	4.5+	
	10.0							
	11.0							
	12.0							
	13.0							
	14.0		Silty Clay, Trace Sand and Gravel, gray, very stiff (CL)	SS-5 13.5' - 15.0' 18" Recovery	3 5 6	20.1	2.75	
	15.0		END of BORING at 15 Feet					
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: B-05
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 4 1/2" of Asphalt Pavement Approx. 7 1/2" of Aggregate Base Course					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Little Organics, Trace Sand and Gravel, dark brown, stiff (CL FILL)	SS-1 1.0' - 2.5' 12" Recovery	3 3 3	40.0	1.0	Organic Content: 1.0' - 2.5' = 12.3%
	2.0		Saturated					
	3.0							
	4.0		Sandy Clay, Trace Gravel, brown, stiff (CL FILL) Saturated	SS-2 3.5' - 5.0' 12" Recovery	2 3 4	26.2	1.25	
	5.0							
	6.0		Silty Clay, Trace Sand and Gravel, brown and gray, stiff to hard (CL)	SS-3 6.0' - 7.5' 16" Recovery	2 3 4	18.7	1.75	
	7.0							
	8.0							
	9.0			SS-4 8.5' - 10.0' 16" Recovery	4 6 10	16.8	4.5+	
	10.0							
	11.0							
	12.0							
	13.0							
	14.0		Silty Clay, Trace Sand and Gravel, gray, very stiff (CL)	SS-5 13.5' - 15.0' 18" Recovery	5 7 8	20.0	3.25	
	15.0		END of BORING at 15 Feet					
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: B-06
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 4" of Asphalt Pavement Approx. 11" of Aggregate Base Course					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, dark brown, stiff (CL FILL)	SS-1 1.0' - 2.5' 12" Recovery	2 3 5	17.4	1.5	
	2.0							
	3.0							
	4.0			SS-2 3.5' - 5.0' 16" Recovery	3 5 6	24.9	1.25	Dry Density: 3.5' - 5.0' = 93.9 lbs/ft^3
	5.0							
	6.0		Silty Clay, Trace Sand and Gravel, brown and gray, very stiff (CL)	SS-3 6.0' - 7.5' 16" Recovery	3 4 4	24.4	2.25	
	7.0							
	8.0							
	9.0			SS-4 8.5' - 10.0' 16" Recovery	3 3 6	17.1	2.75	
	10.0							
	11.0							
	12.0							
	13.0							
	14.0		Silty Clay, Trace Sand and Gravel, gray, very stiff (CL)	SS-5 13.5' - 15.0' 16" Recovery	4 6 6	14.3	3.0	
	15.0		END of BORING at 15 Feet					
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: P-01
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 12" of Topsoil					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, brown, stiff (CL FILL)	HA-1 1.0' - 2.5' 18" Recovery	- - -	24.8	1.5	
	2.0							
	3.0							
	4.0			HA-2 3.5' - 5.0' 18" Recovery	- - -	16.5	1.5	
	5.0		END of BORING at 5 Feet					
	6.0							
	7.0							
	8.0							
	9.0							
	10.0							
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: P-02
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 6" of Topsoil					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Gravel, Trace Sand, gray (GP FILL)	HA-1	-			
				1.0' - 2.5'	-	-	-	
	2.0			18" Recovery	-			
			AUGER REFUSAL at 2½ Feet					
	3.0		END of BORING at 2½ Feet					
	4.0							
	5.0							
	6.0							
	7.0							
	8.0							
	9.0							
	10.0							
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: P-03
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 2" of Topsoil					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, brown, stiff (CL FILL)	HA-1 1.0' - 2.5' 18" Recovery	- - -	27.3	1.25	
	2.0		Saturated					
	3.0							
	4.0		Saturated	HA-2 3.5' - 5.0' 18" Recovery	- - -	26.9	1.25	
	5.0		END of BORING at 5 Feet					
	6.0							
	7.0							
	8.0							
	9.0							
	10.0							
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: P-04
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 2" of Asphalt Pavement Approx. 13" of Aggregate Base Course					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Little Organics, Trace Sand and Gravel, dark brown, firm (CL FILL)	SS-1 1.0' - 2.5' 10" Recovery	2 2 3	34.9	0.75	Organic Content: 1.0' - 2.5' = 12.8%
	2.0							
	3.0							
	4.0		Silty Clay, Trace Sand and Gravel, brown and gray, very stiff (CL)	SS-2 3.5' - 5.0' 18" Recovery	2 2 4	23.5	2.75	
	5.0							
	6.0			SS-3 6.0' - 7.5' 18" Recovery	3 3 6	17.2	3.5	
	7.0							
	8.0							
	9.0		Silty Clay, Trace Sand and Gravel, gray, hard (CL)	SS-4 8.5' - 10.0' 15" Recovery	5 6 10	15.9	4.5+	
	10.0		END of BORING at 10 Feet					
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: P-05
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 20" of Topsoil					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, brown, very stiff (CL FILL)	SS-1 1.0' - 2.5' 4" Recovery	3 4 6	20.2	3.25	
	2.0							
	3.0		Silty Clay, Trace Sand and Gravel, brown and gray, very stiff (CL)	SS-2 3.5' - 5.0' 17" Recovery	2 2 3	22.3	3.0	
	4.0							
	5.0							
	6.0		Sandy Clay, Trace Gravel, brown, stiff (CL)	SS-3 6.0' - 7.5' 18" Recovery	2 2 2	20.1	1.5	
	7.0							
	8.0							
	9.0		Silty Clay, Trace Sand and Gravel, gray, hard (CL)	SS-4 8.5' - 10.0' 18" Recovery	5 5 6	14.7	4.25	
	10.0		END of BORING at 10 Feet					
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: P-06
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 22" of Topsoil					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, brown, stiff (CL FILL)	SS-1 1.0' - 2.5' 10" Recovery	2 3 3	25.2	1.5	
	2.0		Saturated					
	3.0							
	4.0			SS-2 3.5' - 5.0' 16" Recovery	1 2 3	24.1	1.5	Dry Density: 3.5' - 5.0' = 103.2 lbs/ft^3
	5.0							
	6.0		Silty Clay, Trace Sand and Gravel, brown and gray, hard (CL)	SS-3 6.0' - 7.5' 14" Recovery	3 4 6	14.2	4.0	
	7.0							
	8.0							
	9.0		Silty Clay, Trace Sand and Gravel, gray, hard (CL)	SS-4 8.5' - 10.0' 16" Recovery	4 7 8	13.4	4.25	
	10.0		END of BORING at 10 Feet					
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

Soil Boring Log

Construction & Geotechnical Material Testing, Inc.
60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

Soil Boring Prepared for:
Mr. Jim Kolodziej
Community High School District 99
6301 Springside Avenue
Downers Grove, Illinois 60516

Boring No.: P-07
Date: Saturday, May 28, 2022
Project: Proposed Addition
4226 & 4232 Venard Road
Downers Grove, Illinois 60515
Project No.: 22G0281
Boring Location: See Boring Location Diagram
Logged By: L.S.H.
Ground Elevation:

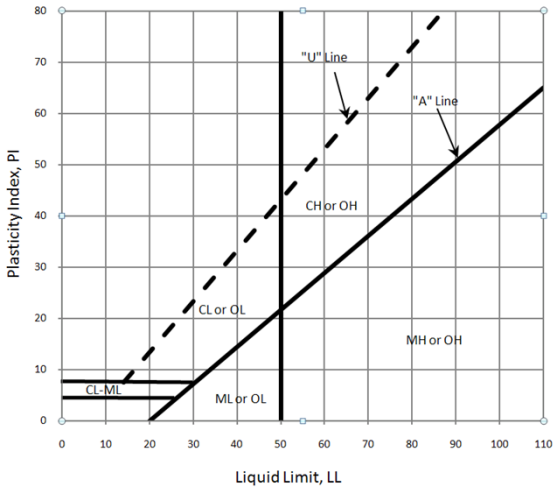
Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 4" of Asphalt Pavement Approximately 6" of Aggregate Base Course					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, dark brown, very stiff to hard (CL FILL)	SS-1 1.0' - 2.5' 10" Recovery	3 4 6	23.9	2.5	Dry Density: 1.0' - 2.5'= 96.6 lbs/ft^3
	2.0							
	3.0							
	4.0			SS-2 3.5' - 5.0' 19" Recovery	6 8 10	17.1	4.5+	Dry Density: 3.5' - 5.0' = 110.9 lbs/ft^3
	5.0							
	6.0		Silty Clay, Trace Sand and Gravel, brown and gray, hard (CL)	SS-3 6.0' - 7.5' 18" Recovery	5 5 8	15.4	4.0	
	7.0							
	8.0							
	9.0			SS-4 8.5' - 10.0' 15" Recovery	24 34 15	15.6	4.5+	
	10.0		END of BORING at 10 Feet					
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

Drilling Contractor: CGMT, Inc.
Drilling Method: 3¼" O.D. H.S.A. Split Spoon Sampling
Drilling Equipment: CME-45C Truck Mounted Drill Rig
REVIEWED BY: NPW

Water Level (Ft.)
During Drilling: None
Immediately After Drilling: None

UNITED SOIL CLASSIFICATION SYSTEM
(ASTM D-2487)

Major Division		Group Symbol	Typical Names	Classification on basis of percentage of fines	Classification Criteria
Coarse-grained soils: More than 50% retained on No. 200 sieve	Gravels: More than 50% of coarse fraction retained on No. 4 sieve	GW	Well-graded gravels and gravel-sand mixtures, little or no fines	Less than 5% pass No. 200 sieve	$C_u = D_{60}/D_{10}$ greater than 4 $C_z = (D_{30})^2/(D_{10}XD_{60})$ between 1 & 3
		GP	Poorly graded gravels and gravel-sand mixtures, little or no fines		Not meeting both criteria for GW
		GM	Silty gravels, gravel-sand-silt mixtures	More than 12% pass No. 200 sieve	Atterberg limits plot below "A" line or plasticity index less than 4
		GC	Clayey gravels, gravel-sand-clay mixtures		Atterberg limits plot above "A" line and plasticity index greater than 7
	Sands: More than 50% of coarse fraction passes No. 4 sieve	SW	Well-graded sands and gravelly sands, little or no fines	5% to 12% pass No. 200 sieve	$C_u = D_{60}/D_{10}$ greater than 6 $C_z = (D_{30})^2/(D_{10}XD_{60})$ between 1 & 3
		SP	Poorly graded sands and gravelly sands, little or no fines		Not meeting both criteria for SW
		SM	Silty sands, sand-silt mixtures	Borderline classification requiring use of dual symbol: GW, GP, SW, SP; GM, GC, SM, SC	Atterberg limits plot below "A" line or plasticity index less than 4
		SC	Clayey sands, sand-clay mixtures		Atterberg limits plot above "A" line and plasticity index greater than 7
Fine-grained soils: 50% or more passing No. 200 sieve	Silts and Clays: Liquid limit 50% or less	ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands	Note: U-line represents approximate upper limit of LL and PI combinations natural soils (empirically determined). ASTM D-2487	
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays		
		OL	Organic silts and organic silty clays of low plasticity		
	Silts and Clays: Liquid limit greater than 50%	MH	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts		
		CH	Inorganic clays of high plasticity, fat clays		
		OH	Organic clays of medium to high plasticity		
Highly organic soils		Pt	Peat, muck and other highly organic soils		Fibrous organic matter; will char, burn or glow



Plasticity chart for the classification of fine-grained soils. Tests made on fraction finer than No. 40 sieve

Borderline classifications, used for soils possessing characteristics of two groups, are designated by combinations of group symbols. For example: GW-GC, well-graded gravel-sand mixture with clay binder

UNIFIED SOIL CLASSIFICATION SYSTEM

REFERENCE NOTES FOR BORING LOGS

I. Drilling and Sampling Symbols:

SS – Split Spoon Sampler
ST – Shelby Tube Sampler
RC – Rock Core: NX, BX, AX
PM – Pressuremeter
DC – Dutch Cone Penetrometer
RB – Rock Bit Drilling
BS – Bulk Sample of Drilling
PA – Power Auger (no sample)
HSA – Hollow Stem Auger
WS – Wash Sample

Standard Penetration (Blows/Ft) refers to the blows per foot of a 140 lb. hammer falling 30 inches on a 2 inch O.D. split spoon sampler, as specified in ASTM D-1586. The blow count is commonly referred to as the N-value.

II. Correlation of Penetration Resistances to Soil Properties:

Relative Density-Sands, Silts

SPT – N	Relative Density
0 – 3	Very Loose
4 – 9	Loose
10 – 29	Medium Dense
30 – 49	Dense
50 – 80	Very Dense

Consistency of Cohesive Soils

Unconfined Compressive Strength, Qp, tsf	Consistency
under 0.25	Very Soft
0.25 – 0.49	Soft
0.50 – 0.99	Firm
1.00 – 1.99	Stiff
2.00 – 3.99	Very Stiff
4.00 – 8.00	Hard
over 8.00	Very Hard

III Unified Soil Classification Symbols:

GP – Poorly Graded Gravel
GW – Well Graded Gravel
GM – Silty Gravel
GC – Clayey Gravel
SP – Poorly Graded Sand
SW – Well Graded Sand
SM – Silty Sand
SC – Clayey Sand
ML – Low Plasticity Silt
MH – High Plasticity Silt
CL – Low Plasticity Clay
CH – High Plasticity Clay
OL – Low Plasticity Organic
OH – High Plasticity Organic
CL-ML – Dual Classification (Typical)

IV. Water Level Measurement Symbol:

WL – Water Level
WS – While Sampling
WD – While Drilling
BCR – Before Casing Removal
ACR – After Casing Removal
WCI – Wet Cave In
DCI – Dry Cave In

The water levels are those water levels actually measured in the borehole at the times indicated by the symbol. The measurements are relatively reliable when augering, without adding fluids, in a granular soil. In clays and plastic silts, the accurate determination of water levels may require several days for the water level to stabilize. In such cases, additional methods of measurement are generally applied.

Community HIGH SCHOOL District 99

Wight

N

Wight

LEGEND

- Site Fence
- Drop-Off Route
- Building Addition
- Residential Lot

Printed on: 10/21/2022

2500 North Frontage Road
Darien, IL 60561

630.969.7000
Fax
630.737.0518
www.wightco.com

Project Name: Community District 99 Transition Building Addition

Project Number: 220082

Date: October 27, 2022

Bid Question/Answer Log No. 1

The following clarification information is provided in response to questions received in accordance with the bid documents for the following Bid Packages:

Bid Group: 1
Bid Packages: 1-23

#	Questions	Date	Answers	Date/By
1.	BP10 SOW Line 6 Note indicates that Hand dryers are Furnished and installed by the electrical contractor. A7.01 Schedule item F does not specify a model for the hand dryer. E0.01 indicates hand dryers are furnished by others. Please clarify	10-24-22	Hand dryers by contractor. Model number Xlerator XL-W, surface mounted, Stainless Steel, no 4 finish (satin).	10-25-22 NS
2.	BP10 SOW Line 19 appears to be included in error. Please confirm	10-24-22	Correct. This will be removed from Electrical SOW.	10-25-22 NS
3.	BP10 SOW Line 30 Indicates to match the existing manufacturer for the fire alarm. The specifications do not specify the existing system. What is the existing fire alarm manufacturer?	10-24-22	Existing Fire Alarm System is Edwards Panel	10-25-22 NS
4.	Are we providing the bike rack on C2.00?	10-25-22	Bike Rack is by Owner	10-25-22 NS
5.	What are we using for concrete moisture mitigation in new floors?	10-25-22	As specified in 033000 2.6 E 9	10-25-22 NS

6.	In the BP 14 Drywall scope of the work the exterior walls listing Exterior Sheathing with pre-applied air & water membrane. The specification 061600-sheathing listing plywood and 072500-Weather barrier listing Tyvek. The drawings A5.00 and A5.01 show 5/8" exterior sheathing with continuous air barrier. The drawings A6.01 and A6.02 show 5/8" fire treated plywood sheathing with E-WB-1-exterior weather barrier. The Drawing A4.00 show E-WB-1 Weather barrier-DuPont Tyvek. Please clarify: is it plywood with Tyvek as shown on drawings and specifications or Exterior Sheathing with pre-applied air & water membrane.	10-20-22	The intent is 5/8" fire treated plywood sheathing with E-WB-1-exterior weather barrier (DuPont Tyvek).	10-24-22 NS
7.	Who's scope of work is the 2" of CA 16 under the Pavers in?	10-24-22	Landscaper	10-25-22 NS
8.	General trades: Drawings note punched hat channels at the rainscreen system, specs note the black anodized hat channel by Resysta which is not punched. Resystas system is designed to drain, so the punches are not necessary if that was the intention, please confirm black anodized channel by Resysta is the intent, not punched.		Yes, please use black anodized channel by Resysta.	10-25-22 AD
9.	Who is responsible for wall base flashing, per detail 9/A6.01. It's assumed that any of the flashing at the composite metal panels that's noted to match the metal panels is by that trade contractor	10-25-22	All flashing around the composite metal panels that matches the panels color are by the Metal Wall Panels TRADE CONTRACTOR. All other flashing around the siding is by the General Trades TRADE CONTRACTOR.	10-25-22 AM
10	Will Barrier One be used in the concrete mix under tiling in the bathrooms?	10-25-22	No, the bathrooms will be poured separately, without the Porosity Inhibiting Admixture Barrier One.	10-25-22 AM
11	Reference A9.00 / 4,6,8: Are these walls by the millworker or drywall contractor?	10-26-22	Framing for the kitchen island and receptions desk are part of the millwork scope	10-26-22 AM

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

A. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
2. Include as part of each alternate, costs of related coordination, modification, or adjustment incidental to or required for a complete installation whether or not mentioned as part of the Alternate.

B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.

C. Execute accepted alternates under the same conditions as other work of the Contract.

D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: State the amount to be added to the Base Bid for providing a 17-foot-deep canopy in lieu of a 10-foot-long canopy. Refer to elevation drawings for location.

B. Alternate No. 2: State the amount to be added to the Base Bid for providing E-CS-1 siding on existing concrete masonry units at locations indicated on elevation drawings for location.

C. Alternate No. 3: State the amount to be added to the Base Bid for residing the existing facade as indicated on elevation drawings.

D. Alternate No. 4: State the amount to be added to the Base Bid for removing partition and enlarging existing Conference Room 102, including demolishing existing ceiling and finishes, and providing new finished, reinstalling existing light fixtures, and diffusers. Refer to demolition drawings, reflected ceiling plan, and finishes drawings for scope of work.

E. Alternate No. 5: State the amount to be added to the Base Bid for replacing plastic-laminate counter in existing Multipurpose Room 106 with solid-surface countertop.

F. Alternate No. 6: State the amount to be added to the Base Bid for repainting entire existing Classrooms 101 and 102.

G. Alternate No. 7: State the amount to be added to the Base Bid for providing new floor finish and base in Classrooms 101 and 102.

H. Alternate No. 8: State the amount to be added to the Base Bid for painting the entire interior of the existing building. Refer to Division 09 Section "Painting."

I. Alternate No. 9: State the amount to be added to the Base Bid for painting Office 100A north, east and west walls PT-1, south wall PT-10. Refer to Division 09 Section "Painting."

J. Alternate No. 10: State the amount to be added to the Base Bid for Architectural Monumental Sign.

END OF SECTION 012300

ALTERNATES

EXTERIOR

ALT 1 - 17' CANOPY IN LIEU OF 10'.
ALT 2 - PROVIDE E-CS-1 SIDING ON EXISISTING CMU.
ALT 3 - RESIDE EXISTING FACADE.

INTERIOR

ALT 4 - REMOVE PARTITION AND ENLARGE EXISTING CONFERENCE ROOM 6. DEMOLISH EXISTING CEILING AND FINISHES. PROVIDE NEW FINISHES, NEW LIGHT FIXTURES, AND REINSTALL EXISTING DIFFUSERS. REFER TO DEMO PLANS, FLOOR PLAN, CEILING PLAN AND FINISH PLAN FOR MORE DETAILS.
ALT 5 - REPLACE P-LAM COUNTER IN EXISTING MULTIPURPOSE ROOM 106 WITH SOLID SURFACE.
ALT 6 - REPAINT ENTIRE EXISTING CLASSROOM 101, 102.
ALT 7 - PROVIDE NEW FLOOR FINISH AND BASE IN CLASSROOM 101, 102.
ALT 8 - PAINT ENTIRE CURTAIN WALL SYSTEM WITH PT-1.
ALT 9 - PAINT OFFICE 100A NORTH, EAST AND WEST WALLS PT-1, SOUTH WALL PT-10.
ALT 10 - ARCHITECUTRAL MONUMENTAL SIGN.

KEY NOTES

#	
29	2'-10" W x 1'-0" D x 2' H RECESS IN WALL FOR PHONE
30	PANTRY SHELVING: TALL CASEWORK CABINET WITH FIXED SHELVES, END PANELS, AND TOP WITH 3MM EDGE BANDING AND PLASTIC LAMINATE FINISH AS SELECTED ON ALL EXPOSED SIDES PVC EXPOSED LEADING EDGE.
34	ADA COMPLIANT DRINKING FOUNTAINS AND WATERCOOLER. SEE PLUMBING DRAWINGS.

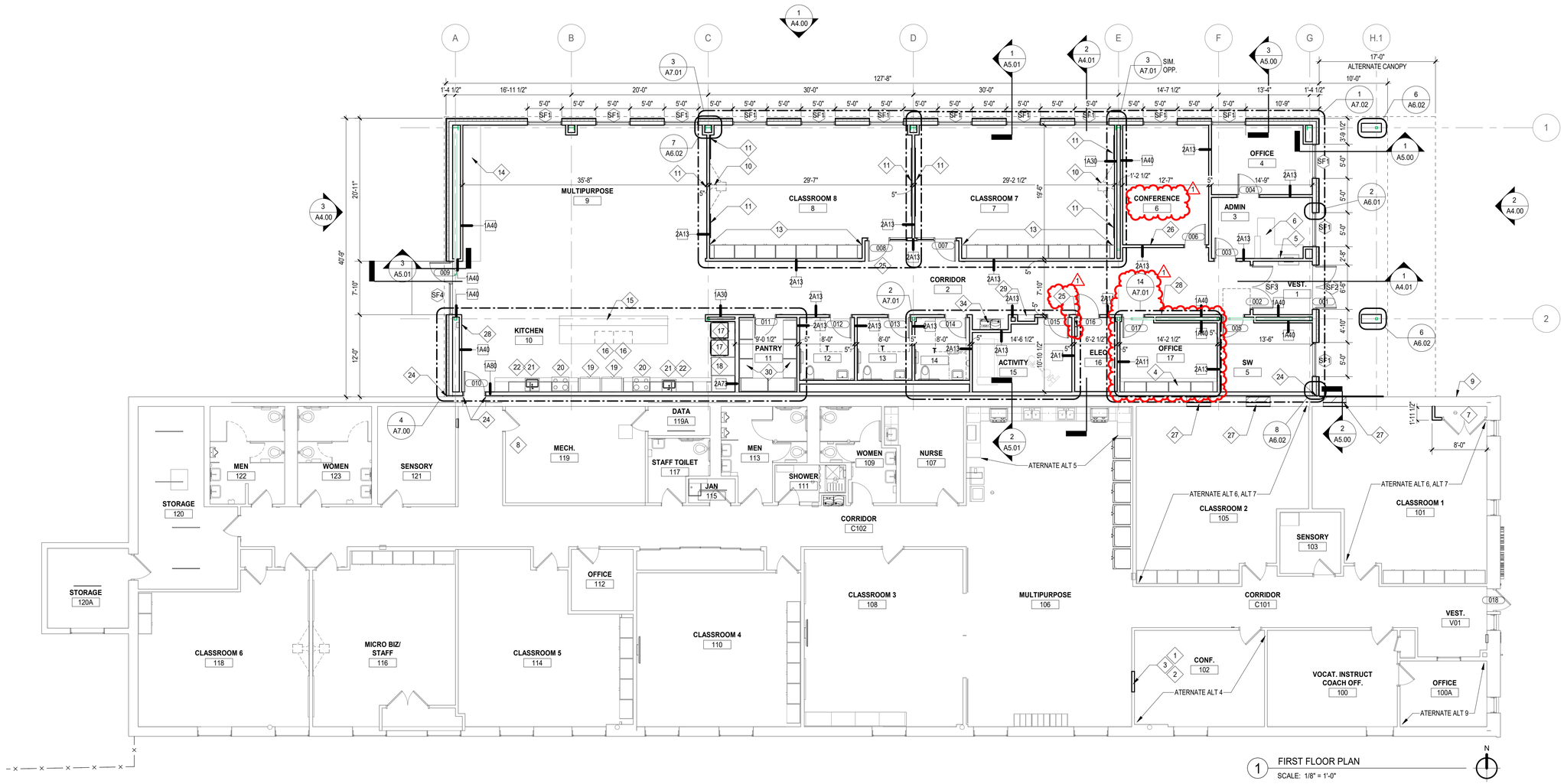
#	
1	NEW FLOOR FINISH. PREP EXISTING FLOOR TO RECEIVE NEW FINISH. PROVIDE FLOOR LEVELER AND UNDERLAYMENT AS REQUIRED. REFER TO FINISH PLANS.
2	ROOM SHALL RECEIVE ALL NEW WALL BASE, WALL FINISH, AND CEILING FINISHES. REFER TO FINISH PLANS FOR ADDITIONAL INFORMATION.
3	FILL IN OPENING WITH METAL STUD AND GYP. BD. PARTITION. PATCH & PAINT WALL AS REQUIRED.
4	NEW COUNTER AND WALL CABINETS , REFER TO CASEWORK AND ELECTRICAL PLANS.
5	SECURITY WINDOW, PROVIDE INTERCOM ON BOTH SIDES OF THE WINDOW, REFER TO ELECTRICAL PLANS.
6	SECURITY COUNTER, REFER TO CASEWORK DETAILS
7	EXTEND EXISTING CLOSET BY 1 FT. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO LIKE NEW CONDITION.
8	NEW WATER HEATER, REFER TO PLUMBING
9	RELOCATED EXISTING GAS METER. REFER TO MECHANICAL FOR MORE INFORMATION.
10	WALL MOUNTED SHORT THROW PROJECTOR BY OWNER.
11	MARKER BOARD, SEE INTERIOR ELEVATIONS FOR SIZES.
13	TALL CASEWORK CABINETS WITH ADJUSTABLE SHELVING, REFER TO ENLARGED PLANS AND CASEWORK DETAILS.
14	CASEWORK CABINETS, REFER TO ENLARGED PLANS AND CASEWORK DETAILS.
15	KITCHEN ISLAND WITH BUILT-IN ELECTRICAL FOR OUTLETS AND MICROWAVE.
16	MICROWAVE, FURNISHED AND INSTALLED BY OWNER.
17	STACKABLE WASHER AND DRYER, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. REFER TO MECHANICAL AND ELECTRICAL.
18	TALL CASEWORK CABINET WITH ADJUSTABLE PULL OUT SHELVES, REFER TO ENLARGED PLANS AND CASEWORK DETAILS.
19	REFRIGERATOR, FURNISHED AND INSTALLED BY OWNER.
20	RANGE, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
21	SINK, REFER TO PLUMBING.
22	DISHWASHER, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
24	EXPANSION JOINT COVER.
25	ROOF HATCH AND LADDER.
26	TV MOUNTED TO WALL, PROVIDE BLOCKING. TV FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
27	FILL IN EXISTING OPENINGS OF DEMOLISHED WINDOWS WITH CONSTRUCTION TO MATCH ADJACENT, SEE SECTION 2/A5.0 FOR MORE DETAIL.
28	RECESSED FEC CABINET.

FLOOR PLAN LEGEND

- EXISTING WALL
- NEW WALL
- NEW DOOR. REFER TO SHEET A8.03 FOR DOOR SCHEDULE
- EXISTING DOOR TO REMAIN. REFER TO SHEET A8.03 FOR DOOR SCHEDULE FOR REQUIRED MODIFICATIONS
- METAL LOCKER- 5% OF TOTAL PROVIDED QUANTITY SHALL BE ACCESSIBLE. COORDINATE ADA COMPLIANT LOCKER LOCATIONS WITH ARCHITECT/OWNER PRIOR TO PROCUREMENT
- 1i — PARTITION TYPE. REFER TO A8 SERIES
- 1i — ALUMINUM STOREFRONT/WINDOW TYPE. REFER TO A8 SERIES
- 101.1 — DOOR TAG. REFER TO SHEET A8.03 FOR DOOR SCHEDULE
- (DIMENSION) HOLD — DIMENSION IS CRITICAL. HOLD DIMENSION FACE TO FACE OF WALL.
- +/- (DIMENSION) — DIMENSION IS NOT CRITICAL. WALL PLACED AT REMAINDER OF DIMENSION STRING.
- ALIGN — ALIGN FACES OF WALL

GENERAL NOTES

1. ALL ITEMS THAT ARE TO BE REMOVED AND REINSTALLED OR SAVED ARE TO BE TAGGED AND CAREFULLY STORED (SEE OWNER FOR LOCATION).
2. ALL AREAS AFFECTED BY DEMOLITION TO BE PATCHED, REPAIRED, & LEVELED TO MATCH EXISTING ADJACENT SURFACE (MATCH EXISTING CONDITION AT DOOR JAMBS) VERIFY IN FIELD.
3. THE CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF WORK. INCIDENTAL WORK ASSOCIATED BUT NOT SHOWN ON THE CONSTRUCTION DOCUMENTS MAY BE REQUIRED OUTSIDE THE PROJECT AREAS. THIS WORK IS PART OF THE CONSTRUCTION CONTRACT AND IS TO BE COMPLETED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
4. ALL ITEMS INDICATED TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DAMAGED ITEMS ARE TO BE PATCHED & REPAIRED OR REPLACED AS REQUIRED TO MATCH ADJACENT LEVEL OF FINISH AND CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
5. WHEN THE REMOVAL OF EXISTING SURFACE MATERIAL IS REQUIRED TO COMPLETE CONTRACT WORK AND A NEW FINISH IS NOT SCHEDULED, PATCH/REPAIR AND PRIME THE AFFECTED SURFACE TO RECEIVE NEW FINISH.
6. NEW SLEEVES AND OPENINGS IN THE EXISTING FLOOR, WALL & CEILING CONSTRUCTION ARE TO BE SEALED WITH FIRE SAFETY MATERIAL.
7. ALL MISC. ITEMS (CHALKBOARDS, PENCIL SHARPENERS, ETC.) THAT INTERFERE WITH THE COMPLETION OF CONTRACT WORK BUT ARE NOT SHOWN TO BE REMOVED ARE TO BE REMOVED, STORED, AND REINSTALLED, AT NO ADDITIONAL COST TO THE OWNER. IN THE EVENT THAT ITEMS CANNOT BE REINSTALLED IN ITS ORIGINAL LOCATION COORDINATE NEW LOCATION WITH ARCHITECTOWNER.
8. U.N.O. CONTRACTOR TO REMOVE EXISTING FLOORING AND BASE AS REQUIRED TO ACCOMMODATE DOOR ASSEMBLIES. PATCH/REPAIR AS NECESSARY TO MATCH ADJACENT SURFACES.
9. REFER TO MEP-FP DRAWINGS FOR DEMOLITION / REMOVAL / RELOCATION AND INSTALLATION OF FIXTURES AND DEVICES.
10. REFER TO SHEET A0.1 FOR TYPICAL FIXUTRE MOUNTING HEIGHTS AND ADA COMPLAINT PLANS, ELEVATIONS, AND DETAILS.
11. UPON REMOVAL OF DOORS, SHORE OPENINGS AS REQUIRED. SECURE ALL NEW FRAMES PER MANUFACTURERS RECOMMENDATIONS. PROVIDE LINTELS AS REQUIRED. SEE STRUCTURAL DRAWINGS.
12. ON DOORS THAT ARE TO BE REMOVED RETURN ALL DOOR HARDWARE TO OWNER PRIOR TO DISPOSAL.
13. ALL ELECTRICAL DEVICES & ASSEMBLIES BEING AFFECTED BY DEMO OF DOORS TO BE REINSTALLED AND RECONNECTED AT NO ADDITIONAL COST TO THE OWNER.
14. ALL DIMENSIONS ARE TO OUTSIDE FACE OF WALL MATERIAL (GYPSUM BOARD OR MASONRY) UNLESS NOTED OTHERWISE.
15. PATCH ROOF AS REQUIRED FOR ANY NEW PENETRATIONS.



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

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REV	DESCRIPTION	DATE
1	ADDENDUM 2	9/21/2022
	ISSUE FOR BID	9/28/2022
	ISSUE FOR OWNER REVIEW	09/14/2022
	ISSUE FOR PLAN COMMISSION	08/16/2022
	ISSUE FOR DESIGN DEVELOPMENT	08/12/2022

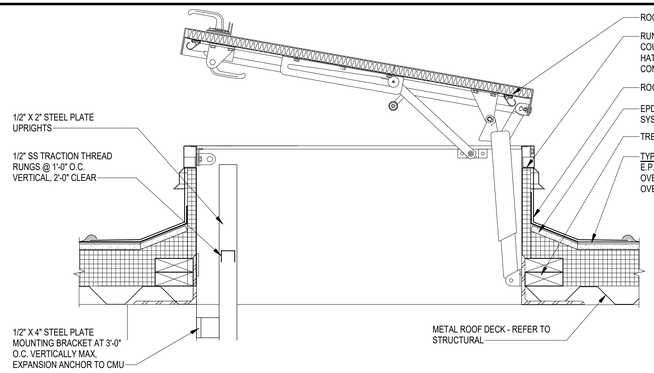
TRANSITION BUILDING ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

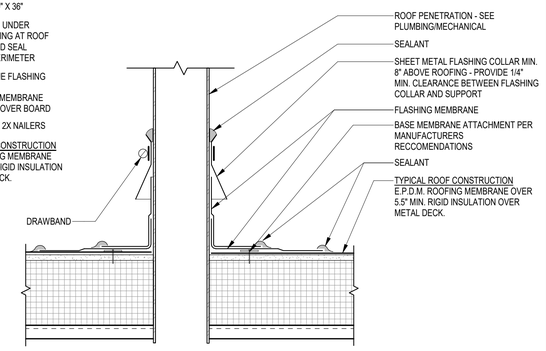
FLOOR PLAN

Project Number:
200191
Drawn By:
D. Aukstuolis
Sheet:

A2.01



5 ROOF HATCH DETAIL
SCALE: 1 1/2" = 1'-0"

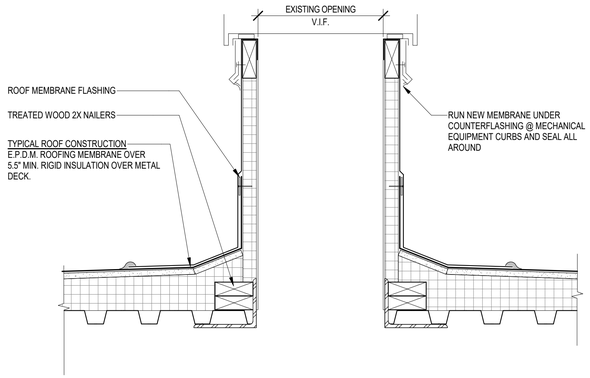


3 TYP ROOF PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"

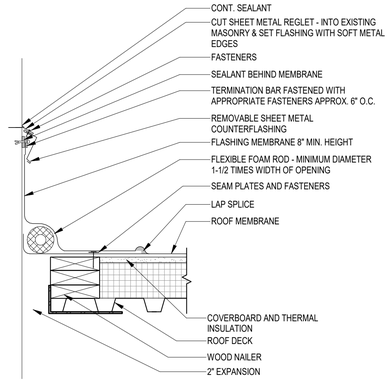
GENERAL NOTES

1. ALL ROOFS TO SLOPE AT 1/4" PER FOOT MIN. U.N.O.
2. PROVIDE 3" MINIMUM INSULATION AT ROOF LOW POINT.
3. PROVIDE ROOF MANUFACTURER'S DETAILS WHERE NOT SHOWN OR WHERE MORE STRINGENT REQUIRED THAN DETAILS SHOWN HEREIN TO OBTAIN SPECIFIED WARRANTY
4. PROVIDE PREFABRICATED, INSULATED ROOF CURBS, PREFORMED PIPE CURBS, AND EQUIPMENT/DUCT SUPPORTS AT ROOF TOP PENETRATIONS AND EQUIPMENT. REFER TO M/E/P DRAWINGS FOR LOCATIONS.

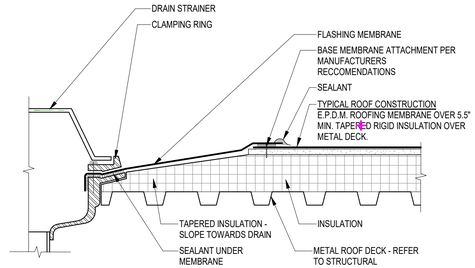
	LINE DELINEATING NEW BUILDING AND EXISTING BUILDING
RD-N	NEW ROOF DRAIN. REFER TO PLUMBING
RD-O	NEW OVERFLOW ROOF DRAIN. REFER TO PLUMBING
RTU	ROOF TOP UNIT, REFER TO MECHANICAL
E.F.	EXHAUST FAN, REFER TO MECHANICAL
R.H. - (XXX)	ROOF ACCESS HATCH (SIZE), SEE DETAIL 5, THIS SHEET
	EPDM ROOF SYSTEM ON COVERBOARD ON MIN 3" ROOF INSULATION ON METAL DECK. PROVIDE TAPERED INSULATION WHERE NOTED
	EPDM ROOF SYSTEM ON COVERBOARD ON MIN 3" ROOF INSULATION ON METAL DECK. PROVIDE TAPERED INSULATION WHERE NOTED



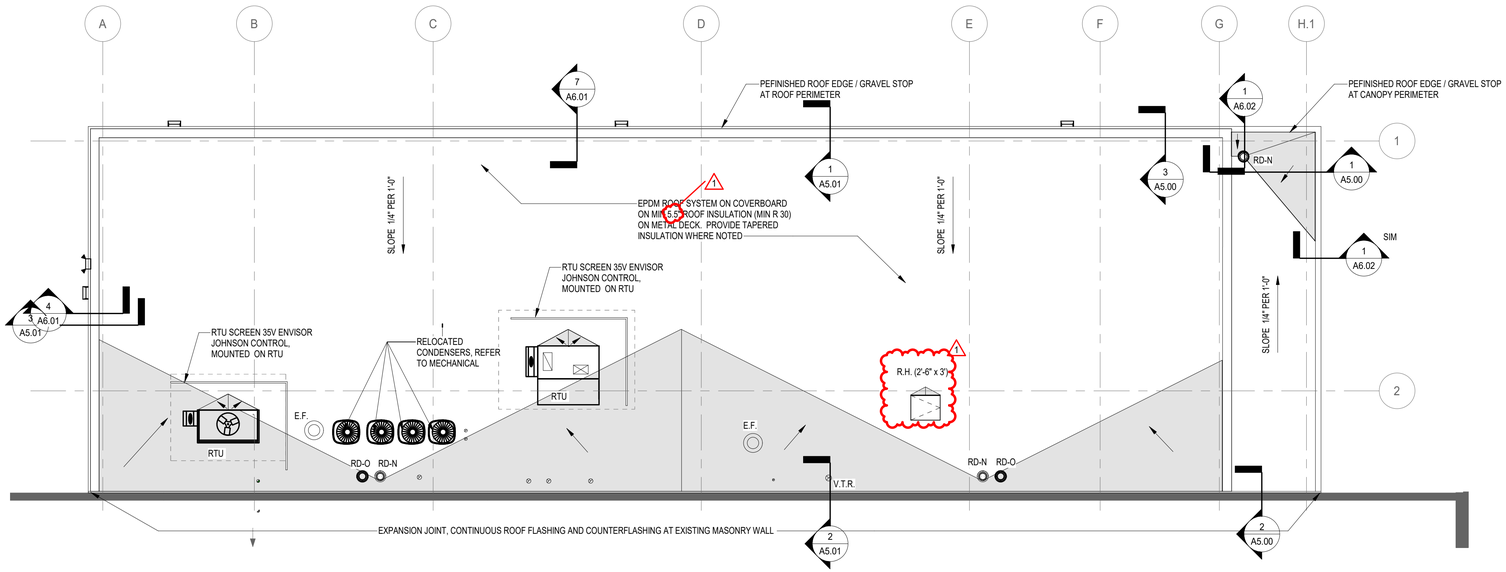
6 TYP ROOF CURB DETAIL
SCALE: 1 1/2" = 1'-0"



4 TYPICAL ROOF EXPANSION JOINT
SCALE: 1 1/2" = 1'-0"



1 TYP ROOF DRAIN DETAIL
SCALE: 1 1/2" = 1'-0"



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

N

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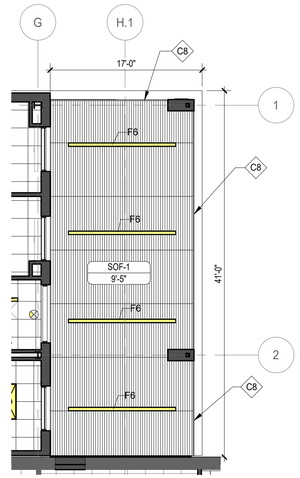
REV	DESCRIPTION	DATE
1	ADDENDUM 2	9/21/2022
	ISSUE FOR BID	9/28/2022
	ISSUE FOR OWNER REVIEW	09/14/2022
	ISSUE FOR DESIGN DEVELOPMENT	08/12/2022

TRANSITION BUILDING ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

ROOF PLAN

Project Number: 200191
Drawn By: Author
Sheet: A2.02



2 CANOPY ALTERNATE ALT 1

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

KEYNOTES

#	
C1	WALL MOUNTED SHORT THROW PROJECTOR BY OWNER.
C2	ROOF LADDER AND HATCH.
C3	RELOCATE EXISTING LIGHT FIXTURES AS SHOWN.
C4	RELOCATE EXISTING DIFFUSERS, REFER TO MECHANICAL.
C5	REMOVE AND REINSTALL CEILING TILES AS REQUIRED FOR NEW GAS LINE RUN. SEE MECHANICAL DRAWINGS.
C6	CEILING EXPANSION JOINT COVER.
C7	PATCH AND REPAIR ADJACENT SURFACES TO LIKE NEW CONDITION WHERE EXISTING DOR / WALL HAS BEEN REMOVED AND NEW CEILING ADDED.
C8	FRY REGLET CEILING SOFFIT VENT.

LEGEND - FINISH - WINDOW TREATMENT

SYMBOL	MATERIAL	MNF	DESCRIPTION
WT-01	MANUAL INTERIOR WINDOW COVERING	DRAPER	E SCREEN ME0220 1% WHITE LINEN

REFLECTED CEILING PLAN SYMBOL LEGEND

LEGEND - FINISH - CEILING

SYMBOL	DESCRIPTION
ACT	
ACT-1	2X2 ACOUSTICAL CEILING SYSTEM
ACT-2	2X4 ACOUSTICAL CEILING SYSTEM
GBC	GYPSUM BOARD CEILING
SOF-1	RESYSTA CLADDING 4CH, FINISH: WHITE
WDC-1	ARMSTRONG CREATE WOOD LOOK ULTIMA HIGH NRC, BEVELED TEGULAR 15/16", 24" X 60" TILES

LIGHTING FIXTURE SCHEDULE

LIGHT FIXTURE	DESCRIPTION
F1	RECESSED LINEAR
F2	2'X4' DIRECT INDIRECT LED FIXTURES
F3	RECESSED SCULPT LINEAR 10'
F4	RECESSED DOWNLIGHT
F6	EXTERIOR RECESSED 4' (ALT 1 - 12')
F7	SUSPENDED LINEAR
F8	WALL SCONCE
F9	SECURITY WALL LIGHT FIXTURE

GENERAL NOTES

1. ALL LIGHT FIXTURES CENTERED IN ROOM UNLESS NOTED OTHERWISE.
2. CENTER ALL CEILING MOUNTED DEVICES WITHIN 2X2 OR 2X4 SECTION OF SCORED 2X4 CEILING TILE,TYP.
3. PAINT EXPOSED UNDERSIDE OF ROOF DESK/FLOOR STRUCTURE, EXPOSED STRUCTURAL STEEL, BEAMS, EXPOSED UTILITY PIPING AND ALL OTHER "PAINTABLE" SURFACES - SEE SPECIFICATIONS FOR FURTHER CLARIFICATION.
4. REMOVE ALL CEILING DEVICES SUCH AS BUT NOT LIMITED TO: LIGHT FIXTURES, EXIT SIGNS, EMERGENCY DEVICES, EMERGENCY LIGHTS, AND ANY OTHER SUPPORT SYSTEMS THAT CONFLICT WITH NEW WORK.
5. AT EXPOSED CEILINGS, PAINT EXPOSED UNDERSIDE OF ROOF DECK/FLOOR STRUCTURE, EXPOSED STRUCTURAL STEEL, BEAMS, EXPOSED UTILITY PIPING AND ALL OTHER "PAINTABLE" SURFACES - SEE SPECIFICATIONS FOR FURTHER CLARIFICATION, U.N.O.
6. IN ACT AREAS, ALL CEILING GRIDS TO BE CENTERED IN ROOMS U.N.O.
7. IN ACT AREAS, ALL LIGHT FIXTURES AND DIFFUSERS TO BE CENTERED IN TILE U.N.O.
8. IN ACT AREAS, ALL SPRINKLER HEADS TO BE CENTERED IN TILE U.N.O.
9. CENTER ALL CEILING MOUNTED DEVICES WITHIN CEILING TILE, TYP.
10. IN ALL GYPSUM BOARD WALLS, GYPSUM BOARD LINTEL TO BE PAINTED TO MATCH ADJACENT WALL.
11. ALL GBC CEILINGS TO BE PAINTED PT-1 U.N.O.
12. SEE MECHANICAL DRAWINGS FOR DIFFUSER DESCRIPTIONS.
13. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE DESCRIPTIONS.
14. SEE TECHNOLOGY DRAWINGS FOR CEILING MOUNTED AV ITEM DESCRIPTIONS.
15. SEE FIRE PROTECTION DRAWINGS FOR SPRINKLER DESCRIPTIONS.
16. CJ INDICATES CONTROL JOINTS.
17. PROVIDE CONTROL JOINTS IN CEILINGS SPANNING 30' OR GREATER. REFER TO ENLARGED RCP DRAWINGS FOR LOCATIONS. IF CONTROL JOINTS ARE NOT SHOWN ON THE DRAWINGS, CONFIRM LOCATIONS WITH ARCHITECT.
18. FOR FINISH LEGEND, SEE SHEET A10.01.
19. TYPICAL CEILING HEIGHTS:
- TYPICAL CEILING HEIGHTS SHALL BE 9'-0" UNLESS NOTED OTHERWISE.
- ALL WASHROOMS CEILINGS SHALL BE 9'-0" U.N.O.
- CLOSET AND STORE CEILING HEIGHTS TO MATCH ADJACENT ROOM CEILING HEIGHT U.N.O.

1 RCP

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

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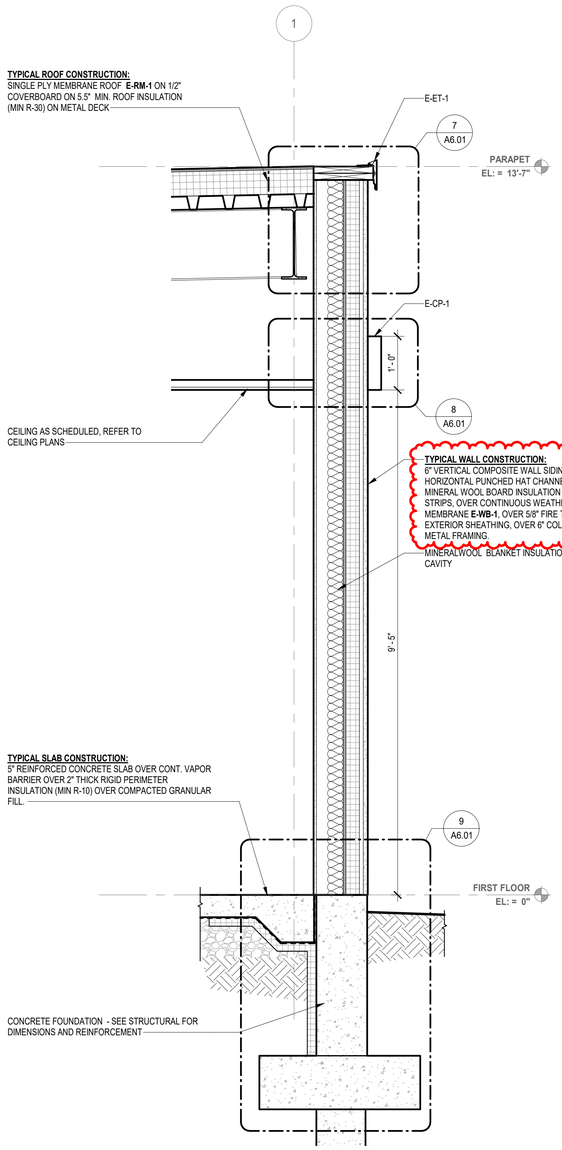
TRANSITION BUILDING ADDITION

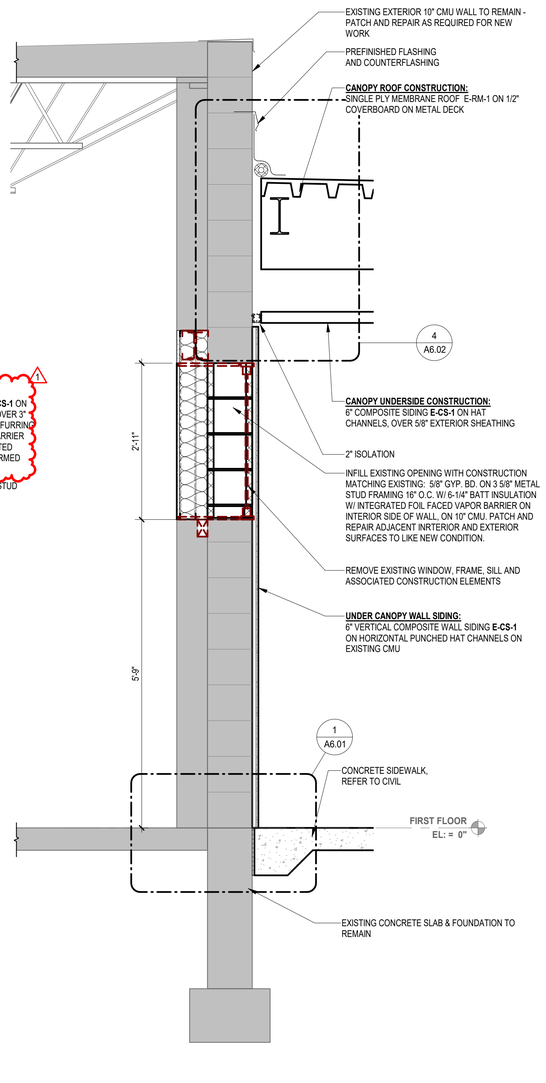
4232 VENARD ROAD
DOWNERS GROVE, IL 60516

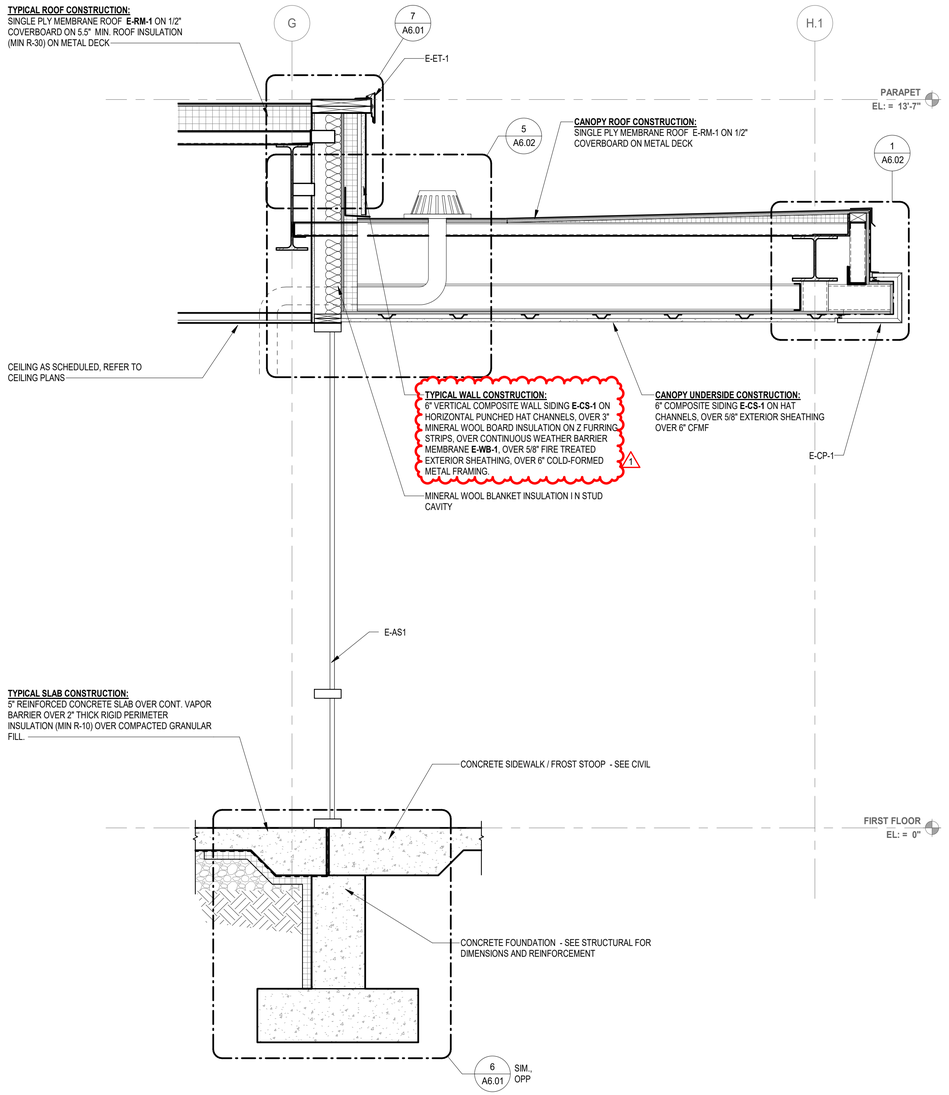
REFLECTED CEILING PLAN

Project Number:
200191
Drawn By:
J.SLASKI
Sheet:

A3.01







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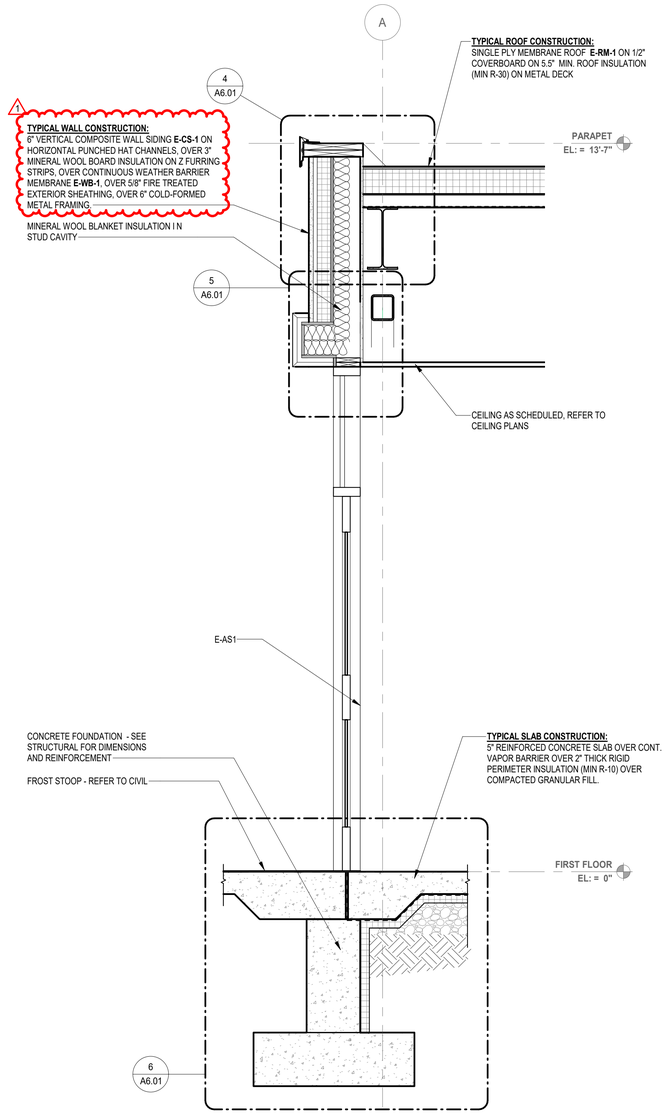
TRANSITION BUILDING ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

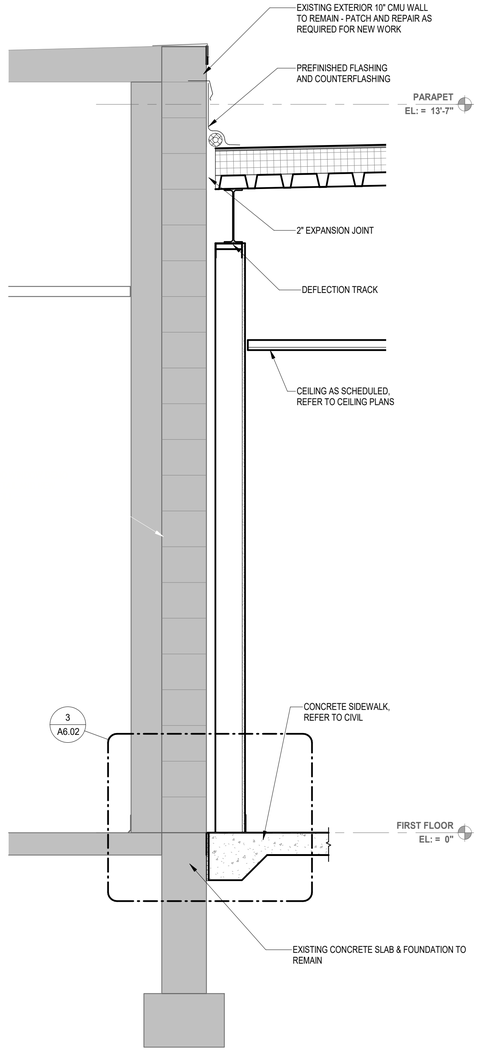
EXTERIOR WALL SECTIONS

Project Number:
200191
Drawn By:
DA
Sheet:

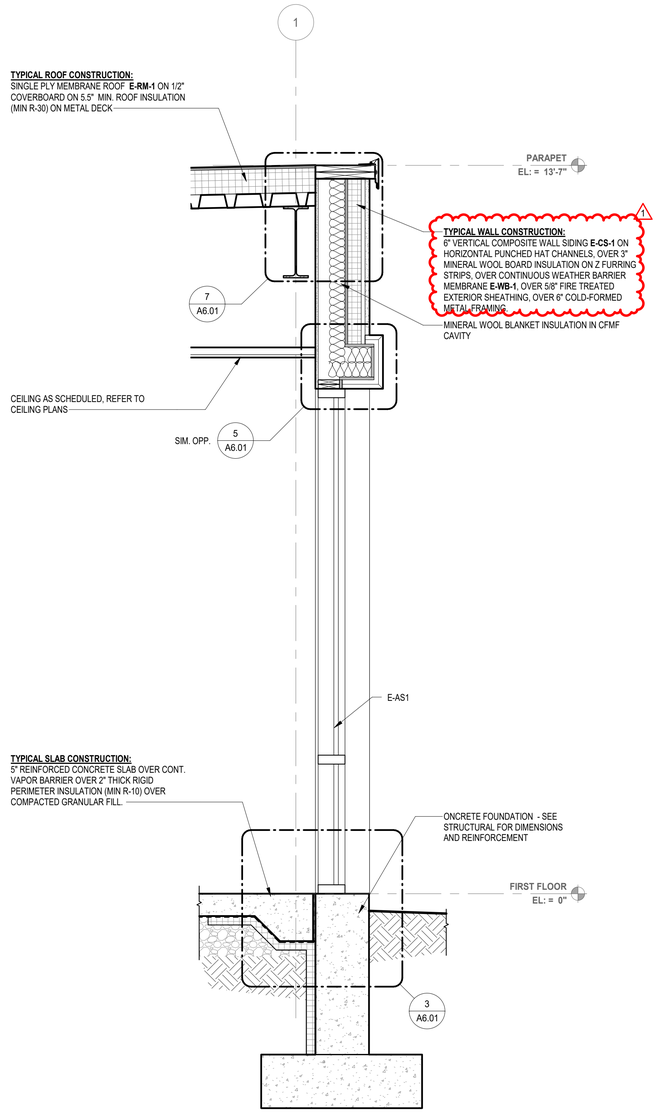
A5.00



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



2 SOUTH WALL SECTION
SCALE: 3/4" = 1'-0"



1 NORTH WALL SECTION @ WINDOW
SCALE: 3/4" = 1'-0"

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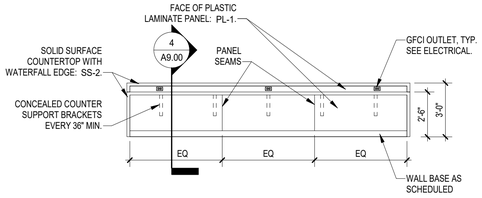
TRANSITION BUILDING ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

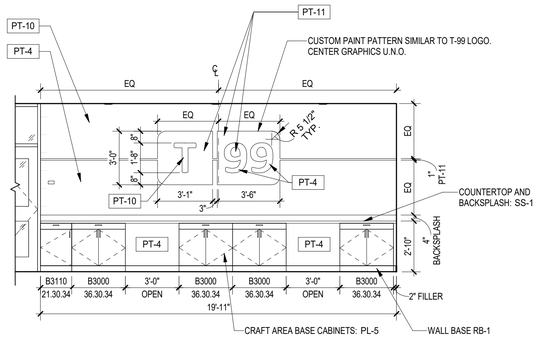
EXTERIOR WALL SECTIONS

Project Number:
200191
Drawn By:
Author
Sheet:

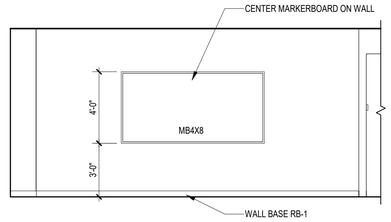
A5.01



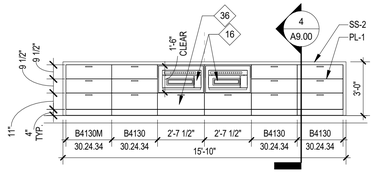
9 KITCHEN ISLAND ELEVATION
SCALE: 1/4" = 1'-0"



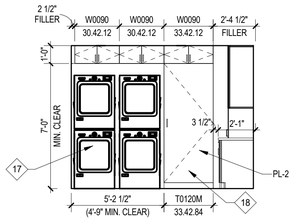
6 CRAFT WALL ELEVATION
SCALE: 1/4" = 1'-0"



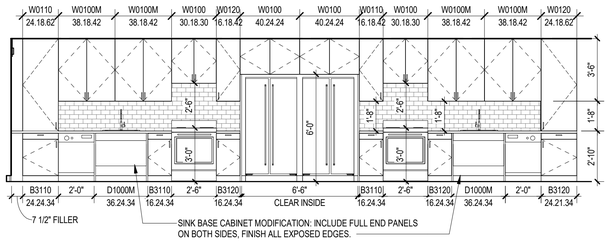
1 MULTIPURPOSE ROOM WALL ELEVATION
SCALE: 1/4" = 1'-0"



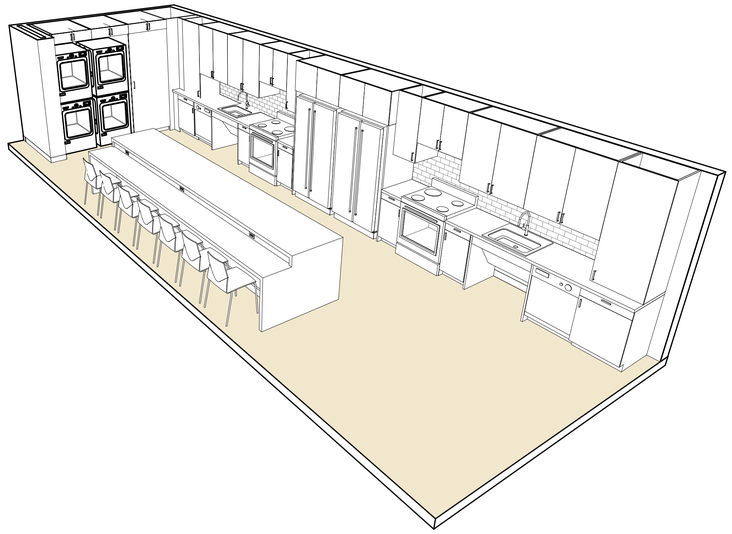
10 KITCHEN ISLAND ELEVATION
SCALE: 1/4" = 1'-0"



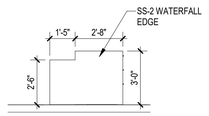
7 KITCHEN CASEWORK ELEVATION
SCALE: 1/4" = 1'-0"



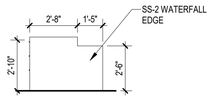
2 KITCHEN CASEWORK ELEVATION
SCALE: 1/4" = 1'-0"



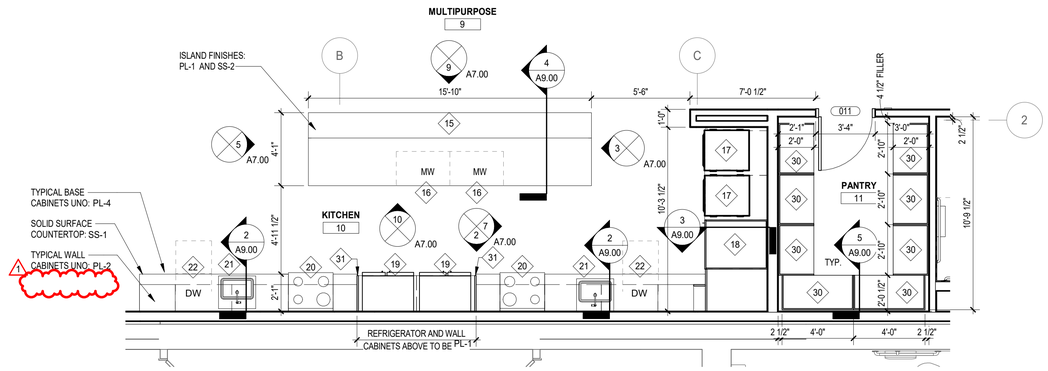
8 KITCHEN AXON
SCALE:



5 KITCHEN ISLAND ELEVATION
SCALE: 1/4" = 1'-0"



3 KITCHEN ISLAND ELEVATION
SCALE: 1/4" = 1'-0"



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

N

FINISH LEGEND

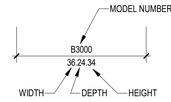
T-1	FLOOR FINISH
RB-1	BASE FINISH
PT-1	WALL FINISH

REFER TO A10.0 FOR FINISH SCHEDULES

CASEWORK LEGEND

PL-1 CASEWORK/COUNTER FINISH

CASEWORK DIMENTIONS



KEY NOTES

#	
15	KITCHEN ISLAND WITH BUILT-IN ELECTRICAL FOR OUTLETS AND MICROWAVE.
16	MICROWAVE, FURNISHED AND INSTALLED BY OWNER.
17	STACKABLE WASHER AND DRYER, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. REFER TO MECHANICAL AND ELECTRICAL.
18	TALL CASEWORK CABINET WITH ADJUSTABLE PULL OUT SHELVES, REFER TO ENLARGED PLANS AND CASEWORK DETAILS.
19	REFRIGERATOR, FURNISHED AND INSTALLED BY OWNER.
20	RANGE, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
21	SINK, REFER TO PLUMBING.
22	DISHWASHER, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
30	PANTRY SHELVING: TALL CASEWORK CABINET WITH FIXED SHELVES, END PANELS, AND TOP WITH 3MM EDGE BANDING AND PLASTIC LAMINATE FINISH AS SELECTED ON ALL EXPOSED SIDES PVC EXPOSED LEADING EDGE.
31	REFRIGERATOR ENCLOSURE TO MATCH WALL CABINETS ABOVE.
36	BASE CABINET WITH MICROWAVE SHELF AND DRAWER TO MATCH ADJACENT DRAWERS.

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REV	DESCRIPTION	DATE
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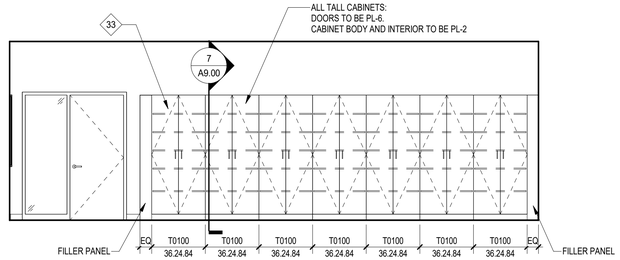
	ISSUE FOR BID	9/28/2022
	ISSUE FOR OWNER REVIEW	09/14/2022
	ISSUE FOR DESIGN DEVELOPMENT	08/12/2022

TRANSITION BUILDING ADDITION

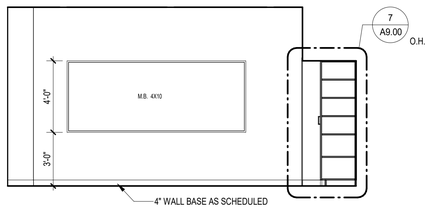
4232 VENARD ROAD
DOWNERS GROVE, IL 60516

ENLARGED PLANS & ELEVATIONS - KITCHEN

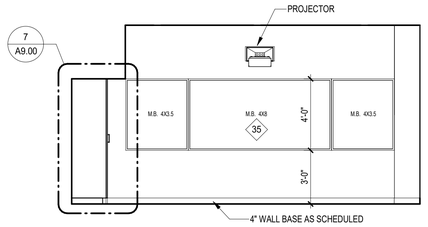
Project Number:
200191
Drawn By:
J. SLASKI
Sheet:
A7.00



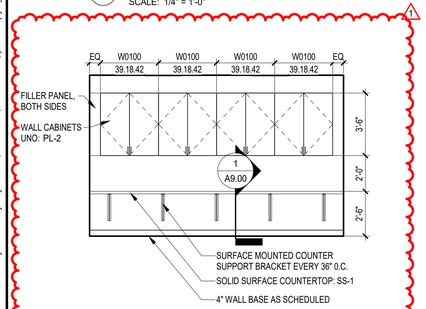
6 CLASSROOM ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



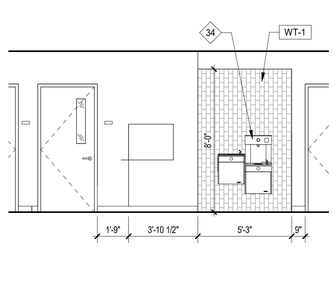
12 CLASSROOM ELEVATION - EAST
SCALE: 1/4" = 1'-0"



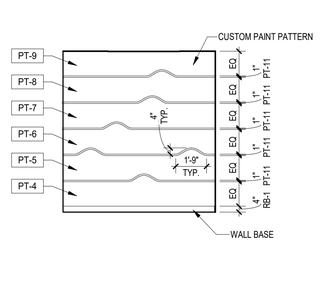
7 CLASSROOM ELEVATION - WEST
SCALE: 1/4" = 1'-0"



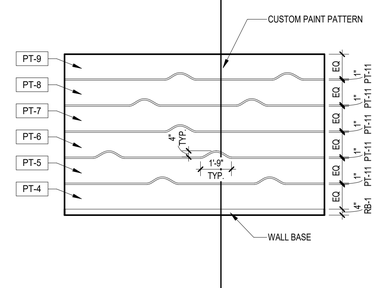
13 OFFICE 17 - ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



10 DRINKING FOUNTAIN ELEVATION
SCALE: 1/4" = 1'-0"



8 ACTIVITY ROOM ELEVATION - WEST
SCALE: 1/4" = 1'-0"



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

#	TOILET ROOM ACCESSORY LIST			
LEGEND - ACCESSORIES - TOILET ROOM				
MARK	DESCRIPTION	MANUFACTURER	MODEL	FURNISHED/INSTALLED
A	36" S.S. GRAB BAR	BRADLEY	SERIES 812	CONTRACTOR/CONTRACTOR
B	42" S.S. GRAB BAR	BRADLEY	SERIES 812	CONTRACTOR/CONTRACTOR
C	18" S.S. GRAB BAR	BRADLEY	SERIES 812	CONTRACTOR/CONTRACTOR
D	S.S. TOILET TISSUE DISPENSER	OWNER FURNISHED	TBD	OWNER FURNISHED / CONTRACTOR INSTALLED
E	18" X 36" S.S. CHANNEL FRAME MIRROR	BRADLEY	781-2 SURFACE MOUNTED, SS CHANNEL FRAME WITH CONCEALED MOUNTS	CONTRACTOR/CONTRACTOR
F	ELECTRIC HAND DRYER	XLERATOR WORM HAND DRYER	XL-W/ SURFACE MOUNTED STAINLESS STEEL NO 4 FINISH (SATIN)	CONTRACTOR/CONTRACTOR
G	SOAP DISPENSER (OWNER FURNISHED)	OWNER FURNISHED	TBD	OWNER FURNISHED / CONTRACTOR INSTALLED
H	SANITARY NAPKIN	OWNER FURNISHED	TBD	OWNER FURNISHED / CONTRACTOR INSTALLED

NOTE: CLASSROOM 07 IS SIMMILAR, OPPOSITE

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

#	KEY NOTES
4	NEW COUNTER AND WALL CABINETS , REFER TO CASEWORK AND ELECTRICAL PLANS.
13	TALL CASEWORK CABINETS WITH ADJUSTABLE SHELVING, REFER TO ENLARGED PLANS AND CASEWORK DETAILS.
33	PROVIDE COAT ROD IN ADDITION TO ADJUSTABLE SHELVING. THIS WARDROBE ONLY.
34	ADA COMPLIANT DRINKING FOUNTAINS AND WATERCOOLER. SEE PLUMBING DRAWINGS.
35	4'X8' EPSON MARKER BOARD PROVIDED BY OWNER.

FINISH LEGEND

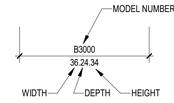
T-1	FLOOR FINISH
RB-1	BASE FINISH
PT-1	WALL FINISH

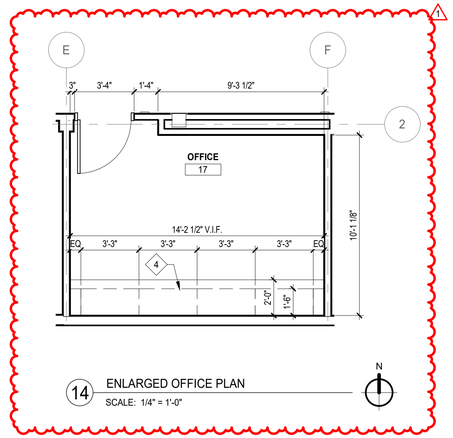
REFER TO A10.0 FOR FINISH SCHEDULES

CASEWORK LEGEND

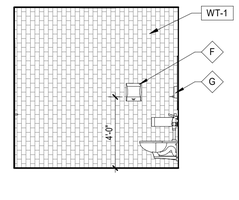
PL-1 CASEWORK/COUNTER FINISH

CASEWORK DIMENTIONS

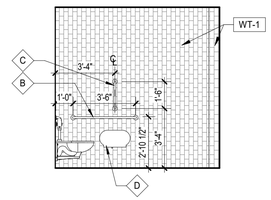




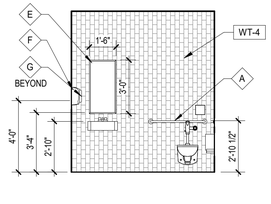
14 ENLARGED OFFICE PLAN
SCALE: 1/4" = 1'-0"



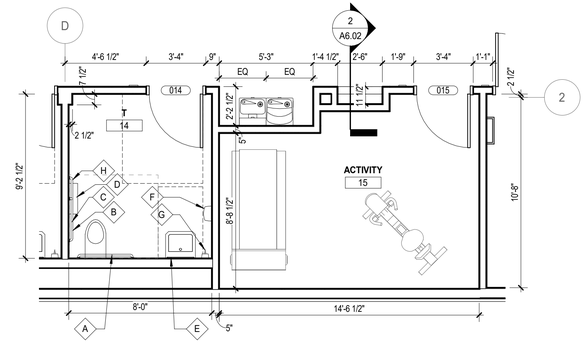
11 TOILET ROOM ELEVATION - EAST
SCALE: 1/4" = 1'-0"



9 TOILET ROOM ELEVATION - WEST
SCALE: 1/4" = 1'-0"



5 TOILET ROOM ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"



2 TOILET ROOM AND ACTIVITY ROOM PLAN
SCALE: 1/4" = 1'-0"

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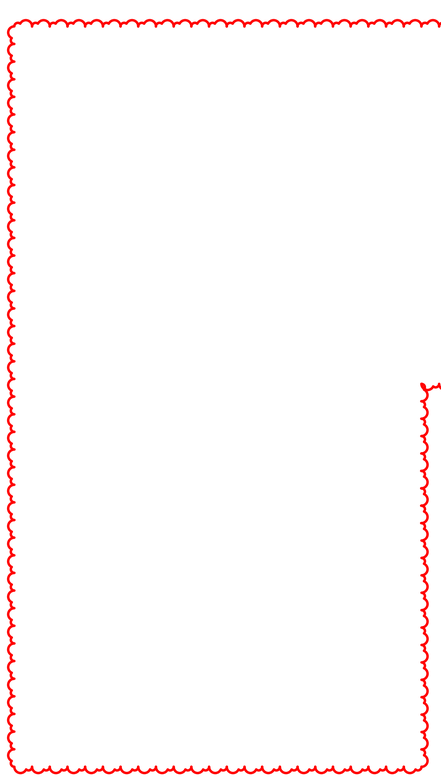
TRANSITION BUILDING ADDITION

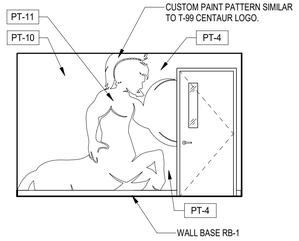
4232 VENARD ROAD
DOWNERS GROVE, IL 60516

ENLARGED PLANS & ELEVATIONS - TOILETS, ACTIVITY ROOM, & CLASSROOMS

Project Number:
200191
Drawn By:
Author
Sheet:

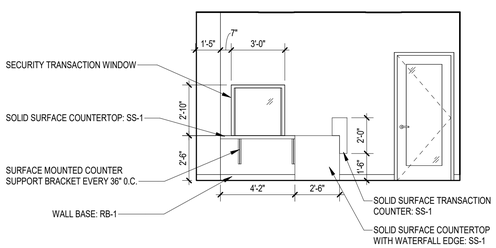
A7.01



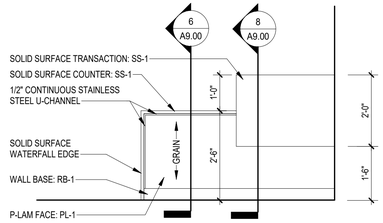


6 BREAKOUT ROOM ENTRY ELEVATION
SCALE: 1/4" = 1'-0"

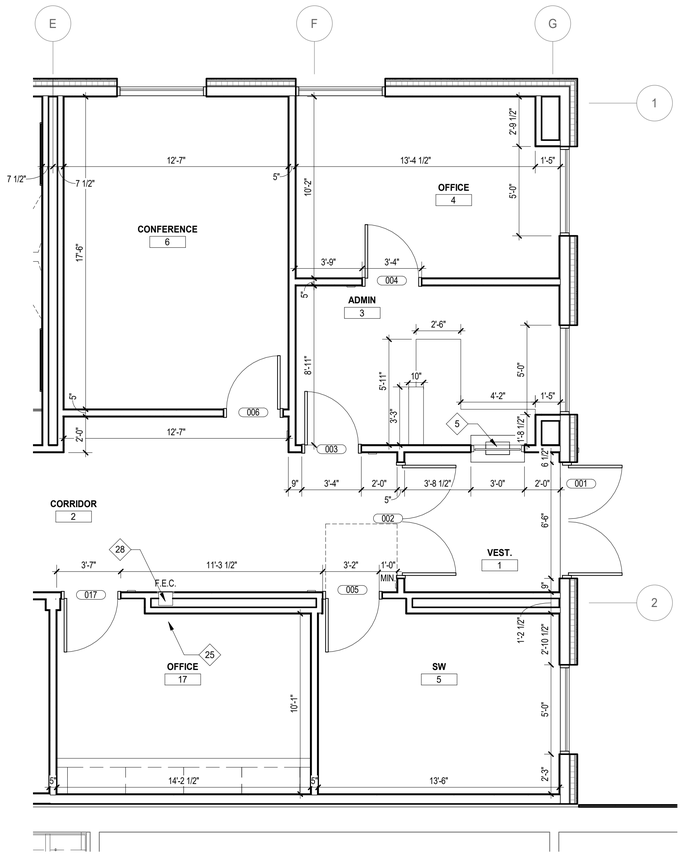
7 VESTIBULE ELEVATION - NORTH
SCALE: 1/4" = 1'-0"



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



2 RECEPTION DESK ELEVATION - WEST
SCALE: 1/2" = 1'-0"



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

N

FINISH LEGEND

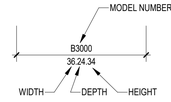
T-1	FLOOR FINISH
RB-1	BASE FINISH
PT-1	WALL FINISH

REFER TO A10.0 FOR FINISH SCHEDULES

CASEWORK LEGEND

PL-1	CASEWORK/COUNTER FINISH

CASEWORK DIMENTIONS



KEY NOTES

#	
5	SECURITY WINDOW, PROVIDE INTERCOM ON BOTH SIDES OF THE WINDOW, REFER TO ELECTRICAL PLANS.
25	ROOF HATCH AND LADDER.
28	RECESSED FEC CABINET.

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TRANSITION BUILDING ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

ENLARGED PLANS AND ELEVATIONS - ADMIN

Project Number:
200191
Drawn By:
Author
Sheet:

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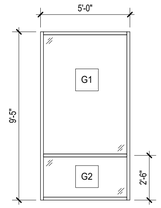
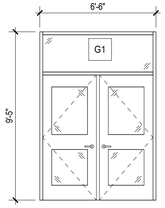
STOREFRONT ELEVATIONS



SF1



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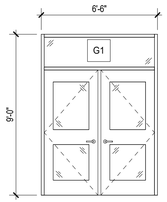
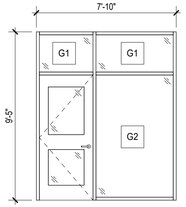


SF3



SF4

G1 1" TEMPERED INSULATED CLEAR GLASS UNIT WITH LOW-E COATING. SOLARBAN 70.

G2 1" LAMINATED INSULATED CLEAR GLASS UNIT WITH LOW-E COATING. SOLARBAN 70.

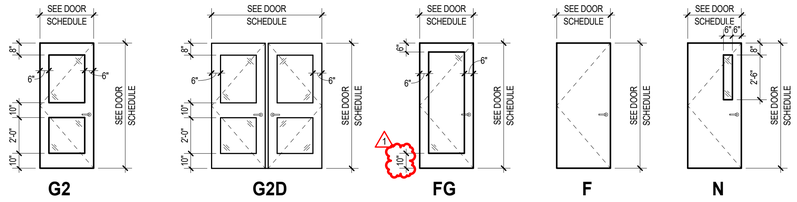
DOOR SCHEDULE

MARK	ELEVATION TYPE	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR DETAIL MATERIAL	DOOR DETAIL FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FIRE RATING	HARDWARE SET	Comments
001	G2D	6'-2"	7'-0"	1 3/4"	ALUM	CLEAR ANOD	SF2	ALUM	CLEAR ANOD	-	1	CARD READER AND ADA PUSH BUTTON REQUIRED.
002	G2D	6'-2"	7'-0"	1 3/4"	ALUM	CLEAR ANOD	SF3	ALUM	CLEAR ANOD	-	2	CARD READER, ADA PUSH BUTTON AND REMOTE LATCH RELEASE PUSH BUTTON REQUIRED.
003	FG	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2	-	3	
004	N	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2	-	6	
005	N	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2		4	
006	N	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2		4	
007	F	3'-0"	7'-0"	1 3/4"	WD	STN	S2	HM	PT-2	-	4	
008	F	3'-0"	7'-0"	1 3/4"	WD	STN	S1	HM	PT-2	-	4	
009	G2	3'-0"	7'-0"	1 3/4"	ALUM	CLEAR ANOD	SF4	ALUM	CLEAR ANOD	-	11	CARD READER REQUIRED.
010	FG	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2	-	10	MAGNETIC HOLD OPENS REQUIRED.
011	F	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2	-	5	
012	F	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2	-	7	
013	F	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2	-	7	
014	F	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2	-	7	
015	N	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2	-	4	
016	F	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2	1 HR	9	
017	N	3'-0"	7'-0"	1 3/4"	WD	STN	A	HM	PT-2		14	
018		3'-0"	7'-0"	1 3/4"							12	EXISTING DOOR TO REMAIN.PROVIDE NEW CARD READER TIED INTO EXISTING DOOR AND FRAME.

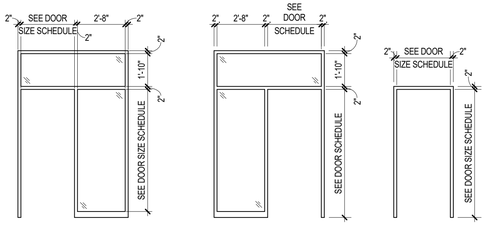
GENERAL NOTES

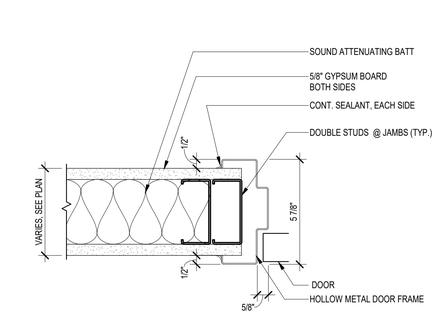
1. FIELD VERIFY ALL EXISTING DOOR FRAME OPENINGS TO RECEIVE NEW DOORS.
2. REFER TO THE PROJECT MANUAL FOR DOOR HARDWARE SPECIFICATIONS AND HARDWARE LISTS PER DOOR NUMBER.
3. UNLESS NOTED OTHERWISE, PROVIDE 1/4" TEMPERED SAFETY GLAZING AT NON- FIRE RATED DOORS, FIRE RATED SAFETY GLAZING AT FIRE RATED DOORS, AND 1" INSULATED GLAZING AT EXTERIOR DOORS.
4. ALL NEW EXTERIOR HOLLOW METAL DOORS AND FRAMES TO BE GALVANIZED. REFER TO SPECIFICATIONS.
5. CONTRACTOR TO PATCH STRIKE PLATE OPENINGS IN DOOR FRAMES AT REMOVED HARDWARE INCLUDING DEADBOLTS AND LOCKSETS.
6. REFER TO THE FLOOR PLANS FOR EXISTING STORAGE CABINETS TO RECIEVE NEW LOCK CYLINDERS MASTER-KEYED TO THE NEW SYSTEM. THESE CABINETS ARE DESIGNATED BY THE ASSOCIATED FLOOR PLAN KEY NOTE ON THE SHEET.
7. PROVIDED TEMPERED SAFETY GLAZING AT DOOR SIDELIGHTS WITHIN 24" OF DOOR FRAME AND GLASS LITES WITHIN 18" OF WALKING ALONE.

LEGEND - DOOR ELEVATION

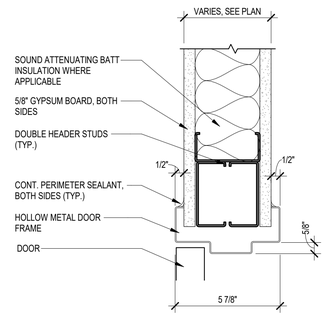


LEGEND - DOOR FRAME ELEVATION

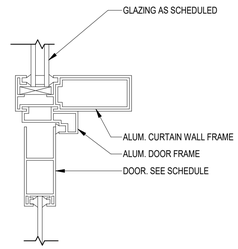




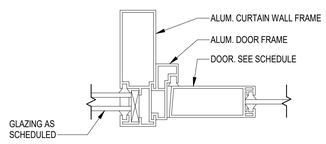
4 800-4 JAMB DETAIL AT GYP PARTITION
SCALE: 3" = 1'-0"



3 800-3 HEAD DETAIL AT GYP PARTITION
SCALE: 3" = 1'-0"



1 CURTAIN WALL DOOR HEAD DETAIL
SCALE: 3" = 1'-0"



2 CURTAIN WALL DOOR JAMB DETAIL
SCALE: 3" = 1'-0"

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TRANSITION BUILDING ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

DOOR & WINDOW SCHEDULES & DETAILS

Project Number:
200191
Drawn By:
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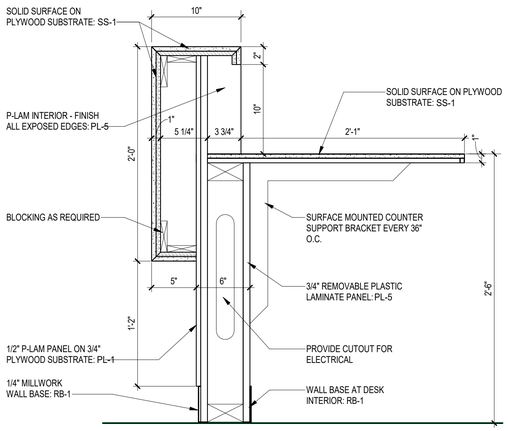
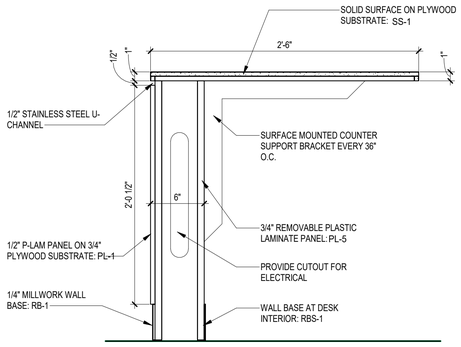
Sheet:

A8.00



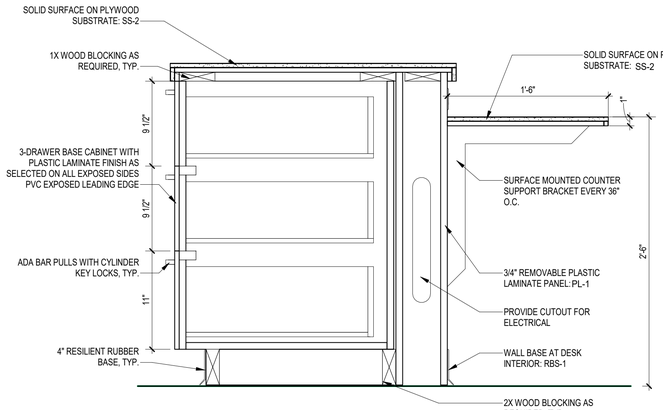
8 RECEPTION DESK SECTION AT TRANSACTION COUNTER

SCALE: 1 1/2" = 1'-0"



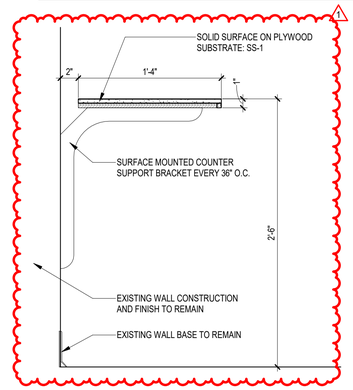
6 RECEPTION DESK SECTION

SCALE: 1 1/2" = 1'-0"



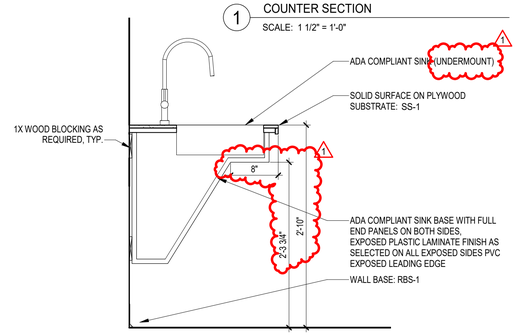
4 KITCHEN ISLAND SECTION

SCALE: 1 1/2" = 1'-0"



1 COUNTER SECTION

SCALE: 1 1/2" = 1'-0"

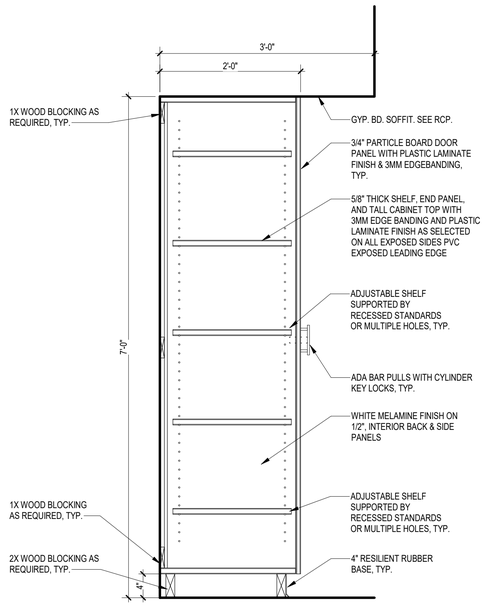


2 KITCHEN CASEWORK SECTION AT ADA SINK

SCALE: 1" = 1'-0"

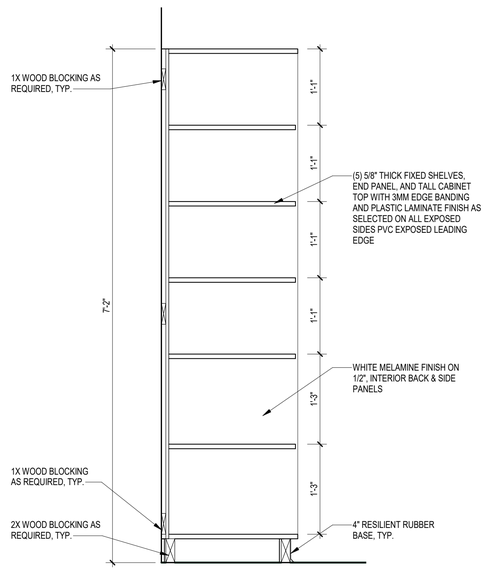
9 RECEPTION DESK SECTION AT SECURTIY WINDOW

SCALE: 1 1/2" = 1'-0"



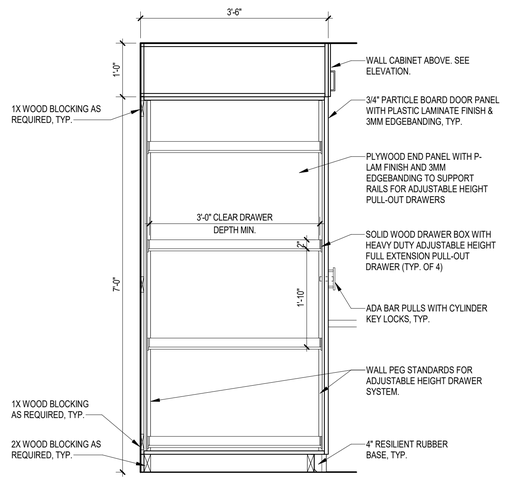
7 CASEWORK DETAIL - ADJUSTABLE SHELVING

SCALE: 1" = 1'-0"



5 TYPICAL PANTRY SHELVING SECTION

SCALE: 1" = 1'-0"



3 LAUNDRY CASEWORK SECTION DETAIL

SCALE: 3/4" = 1'-0"

CASEWORK GENERAL NOTES

1. ALL COUNTER AND CABINET WIDTHS TO BE VERIFIED IN FIELD PRIOR TO MANUFACTURE.
2. BASE CABINETS ARE TO RECEIVE RUBBER BASE, U.N.O.
3. AT AREAS OF EXPOSED PANELS, PROVIDE FULL PLASTIC LAMINATE ENDS TO MATCH FACE CABINET.
4. AT WALL TO WALL CONDITIONS, PROVIDE FILLER PANELS AT VOIDS AS NEEDED.
5. ALL PLASTIC LAMINATE EDGES SHALL HAVE 3MM PVC EDGEBANDING U.N.O.
6. ALL WOOD USED FOR BLOCKING, CONSTRUCTION, AND INTERIOR WOODWORK SHALL BE FIRE RETARDANT TREATED.
7. ALL CASEWORK SHALL BE PL-1 U.N.O.
8. CASEWORK SECTION DETAILS CAN BE LOCATED ON A9 SERIES SHEETS.
9. FURNITURE SHOWN FOR REFERENCE ONLY.
10. SEE SHEET A10.00 FOR FINISH SCHEDULE.

DISTRICT 99

COMMUNITY HIGH SCHOOL DISTRICT 99

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NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE
1	ADDENDUM 2	9/21/2022
	ISSUE FOR BID	9/28/2022
	ISSUE FOR OWNER REVIEW	09/14/2022
	ISSUE FOR DESIGN DEVELOPMENT	08/12/2022

TRANSITION BUILDING ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

CASEWORK & MILLWORK DETAILS

Project Number:
200191
Drawn By:
Drawn By
Sheet:

A9.00

WALL FINISH

SYMBOL	DESCRIPTION	MANUFACTURER	MATERIAL	SPEC NO
PT-1	GENERAL WALL PAINT	SHERWIN WILLIAMS	COLOR 7672 KNITTING NEEDLES	099100
PT-2	GENERAL WALL PAINT	SHERWIN WILLIAMS	COLOR 7669 SUMMIT GRAY	099100
PT-3	ACCENT WALL PAINT	SHERWIN WILLIAMS	COLOR 6816 DAHLIA	099100
PT-4	ACCENT WALL PAINT	SHERWIN WILLIAMS	COLOR 6983 FULLY PURPLE	099100
PT-5	ACCENT WALL PAINT	SHERWIN WILLIAMS	COLOR 6543 SOULFUL BLUE	099100
PT-6	ACCENT WALL PAINT	SHERWIN WILLIAMS	COLOR 6542 VESPER VIOLET	099100
PT-7	ACCENT WALL PAINT	SHERWIN WILLIAMS	COLOR 6807 WONDROUS BLUE	099100
PT-8	ACCENT WALL PAINT	SHERWIN WILLIAMS	COLOR 9063 PORCH CEILING	099100
PT-9	ACCENT WALL PAINT	SHERWIN WILLIAMS	COLOR 6802 JAKARANDA	099100
PT-10	ACCENT WALL PAINT	SHERWIN WILLIAMS	COLOR 6958 DYNAMIC BLUE	099100
PT-11	GENERAL WALL PAINT	SHERWIN WILLIAMS	SW 7063 NEBULOUS WHITE	099100
WT-1	SUBWAY WALL TILE	DALTILE	COLORWHEEL GLOSSY 3"x6" 0100 WHITE VERTICAL RUNNING BOND.	093000
WT-2	SUBWAY WALL TILE	DALTILE	COLORWHEEL GLOSSY 3"x6" CUSTOM MIX OF: 50% 0100 WHITE 25% 1194 ELECTRIC BLUE 25% 0169 WATERFALL HORIZONTAL RUNNING BOND	093000
WT-3	SUBWAY WALL TILE	DALTILE	COLORWHEEL GLOSSY 3"x6" CUSTOM MIX OF: 50% 0100 WHITE 25% X114 DESERT GRAY 25% 1467 WOOD VIOLET HORIZONTAL RUNNING BOND	093000
WT-4	SUBWAY WALL TILE	DALTILE	COLORWHEEL GLOSSY 3"x6" CUSTOM MIX OF: 25% 0169 WATERFALL 25% 1194 ELECTRIC BLUE 25% X114 DESERT GRAY 25% 1467 WOOD VIOLET VERTICAL RUNNING BOND	093000

FLOOR FINISH

SYMBOL	DESCRIPTION	MANUF.	SIZE	STYLE	MATERIAL	SPEC NO
CPT - 1	CARPET	TARKETT	18"X36"	OFFSET 11338	COLOR SILVERPOINT 30802	096813
LVT-1	LUXURY VINYL TILE	TARKETT	18"X18"	COLOR BEAM	C114 MANTA GREY QUARTER TURN INSTALL	096519
LVT-2	LUXURY VINYL TILE	TARKETT	18"X18"	COLOR BEAM	COLOR MIX CONSISTING OF: 50% C114 MANTA GREY AND 50% C119 DUKE QUARTER TURN INSTALL	096519
LVT-3	LUXURY VINYL TILE	TARKETT	18"X18"	COLOR BEAM	COLOR MIX CONSISTING OF: 40% C101 JUNIPER, 40% C100 URCHIN, 20% C119 DUKE QUARTER TURN INSTALL	096519
SC-1	SEALED CONCRETE	N/A	N/A	N/A	-	033660
T-1	PORCELAIN FLOOR TILE	STONE SOURCE	12"X48"	PROVOAK	BIANCO SABBIATO NATURAL PORCELAIN FINISH: MATTE	093000
WOC-1	WALK OFF CARPET	MILLIKEN	20"X20"	OBEX CUT X / FIZZ	FZX27 - 126 BLUE	096813

CASEWORK FINISH

LEGEND - FINISH - CASEWORK

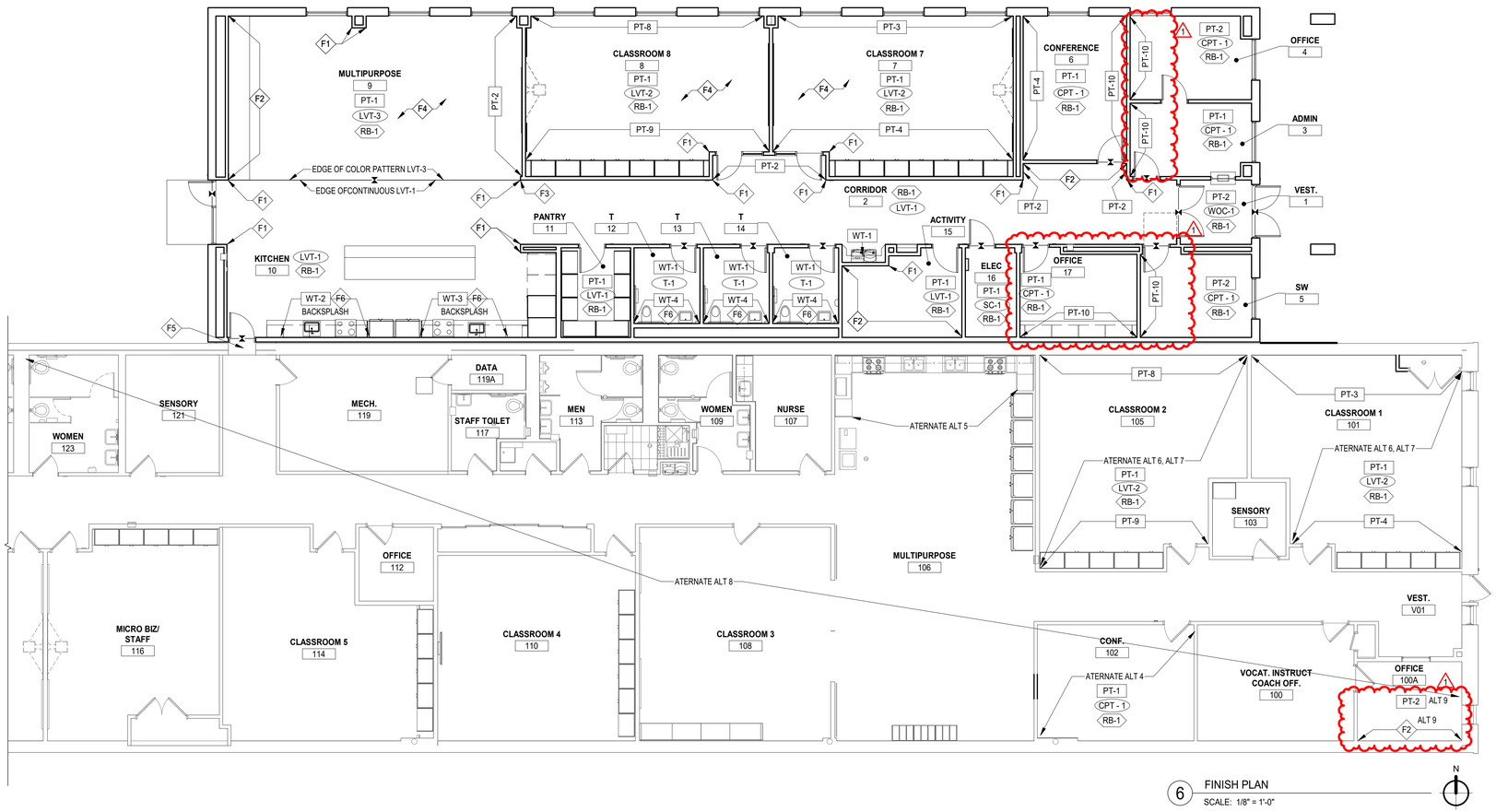
SYMBOL	DESCRIPTION	MANUFACTURER	STYLE	SPEC NO
PL-1	PLASTIC LAMINATE - CABINETS	FORMICA	914 MARINE BLUE	123216
PL-2	PLASTIC LAMINATE - CABINETS	FORMICA	WHITE TWILL	123216
PL-4	PLASTIC LAMINATE - CABINETS	FORMICA	8827 SARUM TWILL	123216
PL-5	PLASTIC LAMINATE - CABINETS	FORMICA	CITADEL MICRO DOTS	123216
PL-6	PLASTIC LAMINATE - CLASSROOM TALL CABINETS WRITABLE SURFACE	FORMICA	WHITE TWILL - GLOSS FINISH	123216
SS-1	SOLID SURFACE COUNTERTOP	WILSONART	9196RS YUKON RIVERSTONE	123661.16
SS-2	SOLID SURFACE COUNTERTOP	WILSONART	9218CM GREY BEOLA	123661.16

CEILING TYPE

SYMBOL	DESCRIPTION	MANUFACTURER	STYLE	SPEC NO
ACT				095113
ACT-1	2X2 ACOUSTICAL CEILING SYSTEM	TBD CONTACT: TBD EMAIL: TBD PHONE: TBD	STYLE: TBD COLOR: TBD SIZE: TBD	095113
ACT-2	2X4 ACOUSTICAL CEILING SYSTEM	TBD CONTACT: TBD EMAIL: TBD PHONE: TBD	STYLE: TBD COLOR: TBD SIZE: TBD	095113
GBC	GYPSUM BOARD CEILING	TBD CONTACT: TBD EMAIL: TBD PHONE: TBD	STYLE: TBD COLOR: TBD SIZE: TBD	092116
SOF-1	RESYSTA CLADDING 4CH, FINISH: WHITE	RESYSTA	6" SIDING FINISH: "CAPE COD"	074649
WDC-1	ARMSTRONG CREATE WOOD LOOK ULTIMA HIGH NRC, BEVELED TEGULAR 15/16", 24" X 60" TILES			095113

BASE TYPE

SYMBOL	DESCRIPTION	MANUFACTURER	MATERIAL	SPEC NO
RB-1	RUBBER BASE	TARKETT / JOHNSONITE	4"H COVE PROFILE CG TA5 COLOR: COLONIAL GREY	096513



6 FINISH PLAN
SCALE: 1/8" = 1'-0"

N

FINISH LEGEND GENERAL NOTES

NOTE:
1. SEE SHEET A10.00 FOR PROJECT MATERIALS, ADDITIONAL INFORMATION, AND DETAILS

WALL
1. ALL WALLS TO RECEIVE PAINT FINISH TO FINISHED CEILING UNLESS NOTED OTHERWISE.
2. WALL TILE TO CONTINUE BEHIND TOILET ROOM ACCESSORIES.
3. TOILET ROOM WALLS TO RECEIVE WALL TILE. SEE TOILET ROOM ELEVATIONS FOR EXACT LOCATIONS AND TYPES.
4. PAINT OF GYP. BD. PARTITIONS TO BE SEMI-GLOSS U.N.O. PAINT ON GYP. BD. CEILINGS TO BE FLAT U.N.O. PAINT ON CMU PARTITIONS TO BE SEMI-GLOSS U.N.O. PAINTED WOOD DOORS AND GRAMES TO BE SEMI-GLOSS U.N.O.
5. ALL WALLS TO BE PT-1 U.N.O.
6. PROVIDE EXTRUDED STAINLESS STEEL EASED 90 DEGREE PROFILE LIKE SCHLUTER JOLLY AT ALL OUTSIDE CORNERS AND EXPOSED EDGES IN WALL TILE. PROFILE TO BE BRUSHED STAINLESS STEEL FINISH.
7. NO PAINT FINISH ON BRICK PARTITIONS/SOFFITS U.N.O.
8. PROVIDE GROUTED CORNER AT ALL WALL TILE INSIDE CORNERS.

BASE
1. ALL PAINTED CMU PARTITIONS TO RECEIVE 4"H RESILIENT BASE U.N.O. STRAIGHT PROFILE BASE TO BE USED AT CARPET FLOOR SURFACES U.N.O. COVE PROFILE BASE TO BE USED AT ALL OTHER FLOOR SURFACES U.N.O.
2. RESILIENT BASE TO OCCUR ON CASEWORK U.N.O.
3. TB-1 AND TB-2 TO BE PRODUCED ON SITE BY FIELD CUTTING FLOOR TILE TO 3" HEIGHTS. PROVIDE EXTRUDED STAINLESS TEEL EASED 90 DEGREE PROFILES LIKE SCHLUTER JOLLY AT EXPOSED CUT EDGE AT TOP OF TILE BASE.
4. PROVIDE GROUTED CORNER AT ALL WALL TILE TO FLOOR TILE INSIDE CORNERS.

FLOOR
1. FOR FLOOR TRANSITION DETAILS REFER TO A10.00.
2. ALL FLOORING MATERIAL CHANGES TO OCCUR AT CENTER OF DOOR SIDE STOP. REFER TO A10.00.
3. FLOORING EXTENDS UNDER CABINETRY U.N.O.
4. CARPET TILE ORIENTATION AS NOTED ON DRAWINGS.

MISCELLANEOUS
1. INTERIOR HOLLOW METAL DOOR AND FRAME TO BE PAINTED PT-2 U.N.O.
2. INTERIOR HOLLOW METAL FRAMES TO BE PAINTED PT-2 U.N.O.
3. SEE CASEWORK ELEVATIONS AND DETAILS FOR FINISH MATERIALS OF CASEWORK AND CUSTOM ARCHITECTURAL WOODWORK.
4. WALL AND CEILING CONTROL JOINTS TO BE PAINTED TO MATCH ADJACENT WALL COLOR U.N.O.
5. REVEALS IN WALLS TO BE BRUSHED ALUMINUM, NO PAINT.

FINISH LEGEND

T-1 FLOOR FINISH
RB-1 BASE FINISH
PT-1 WALL FINISH

NOTE:
1. FINISH TAG ABOVE INDICATES FINISHES FOR SPACE, UNLESS NOTED OTHERWISE.
2. SEE DRAWING SERIES A10.0 FINISH LEGEND FOR COMPLETE DESCRIPTION.

EXTENT OF FINISHES DEVIATING FROM REST OF ROOM
RB-1 PT-1
BASE TYPE — WALL FINISH
FLOOR TRANSITION
MATERIAL DIRECTION

KEY NOTES

#	
F1	PROVIDE PAINTED-IN CORNER GUARD.
F2	CUSTOM PAINT GRAPHICS. SEE ELEVATION.
F3	ALIGN EDGE OF FLOOR TILE PATTERN WITH WALL.
F4	SEE ENLARGED FLOOR PATTERN DETAILS ON A10.01. PATTERN TO BE CONFIRMED BY OWNER AND ARCHITECT PRIOR TO ORDERING MATERIALS.
F5	AT PORTION OF REMOVED WALL, PRIVIDE FLOOR, WALL, AND BASE FINISH INFILL TO MATCH EXISTING. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
F6	SEE ENLARGED TILE PATTERN DETAILS ON A10.01. PATTERN TO BE CONFIRMED BY OWNER AND ARCHITECT PRIOR TO ORDERING MATERIALS.

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COMMUNITY HIGH SCHOOL DISTRICT 99

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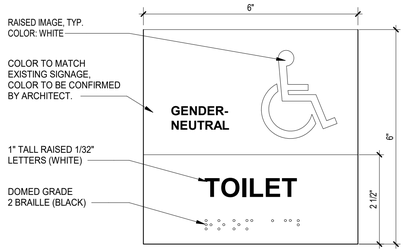
REV	DESCRIPTION	DATE
1	ADDENDUM 2	9/21/2022
	ISSUE FOR BID	9/28/2022
	ISSUE FOR OWNER REVIEW	09/14/2022
	ISSUE FOR DESIGN DEVELOPMENT	08/12/2022

TRANSITION BUILDING ADDITION

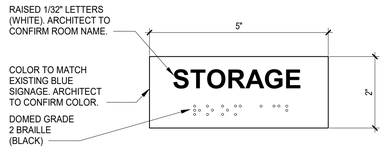
4232 VENARD ROAD
DOWNERS GROVE, IL 60516

FINISH PLAN AND SCHEDULE

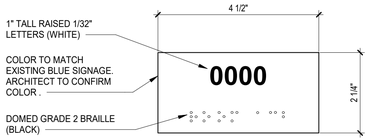
Project Number:
200191
Drawn By:
Author
Sheet:
A10.00



6 SIGNAGE TYPE E - TOILET ROOMS
SCALE: 6" = 1'-0"

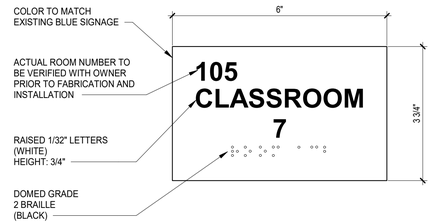


4 SIGNAGE TYPE C - UTILITY
SCALE: 6" = 1'-0"

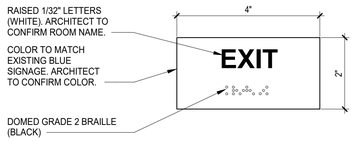


5 SIGNAGE TYPE D - SPECIALTY ROOMS
SCALE: 6" = 1'-0"

3 SIGNAGE TYPE B - OCCUPANCY
SCALE: 6" = 1'-0"

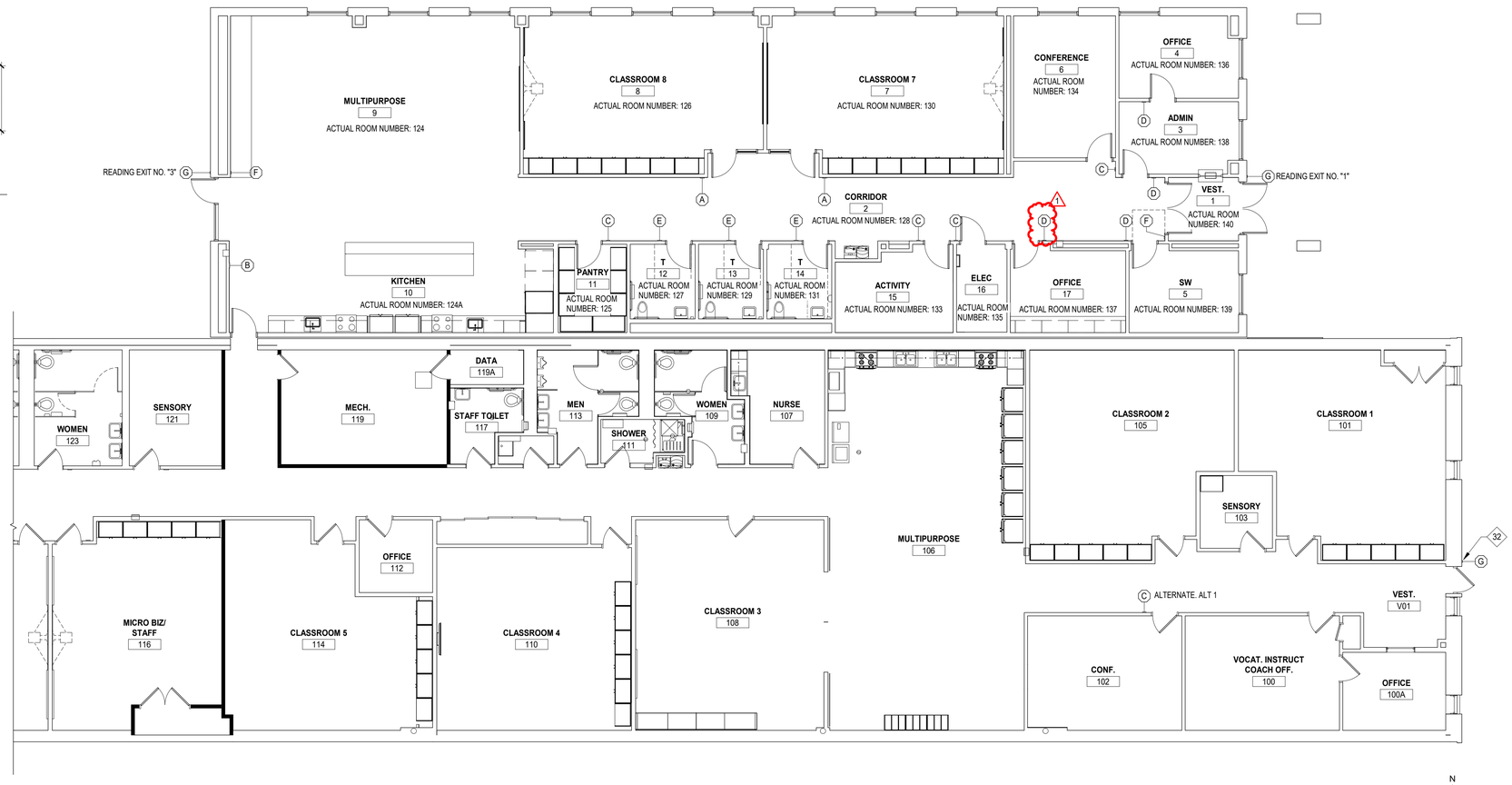


2 SIGNAGE TYPE A - CLASSROOM/OFFICE
SCALE: 6" = 1'-0"



7 SIGNAGE TYPE F - EXIT
SCALE: 6" = 1'-0"

8 SIGNAGE TYPE G - EXTERIOR
SCALE: 3" = 1'-0"



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

GENERAL NOTES

1. PROVIDE NEW CUT VINYL DOOR NUMBERS FOR ALL EXTERIOR DOORS. REFER TO DETAIL FOR EXTERIOR DOOR NUMBER SIGNAGE. VERIFY NUMBERING SEQUENCE WITH LOCAL FIRE DEPARTMENT.
2. SIGNAGE SHALL COMPLY WITH ADA STANDARDS.
3. SIGNAGE PANEL COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
4. ACTUAL ROOM NUMBERS AND NAMES TO BE PROVIDED AND CONFIRMED BY OWNER.

KEY NOTES

#	
32	REPLACE EXISTING SIGN TO TYPE G NO. "2"

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1	ADDENDUM 2	9/21/2022
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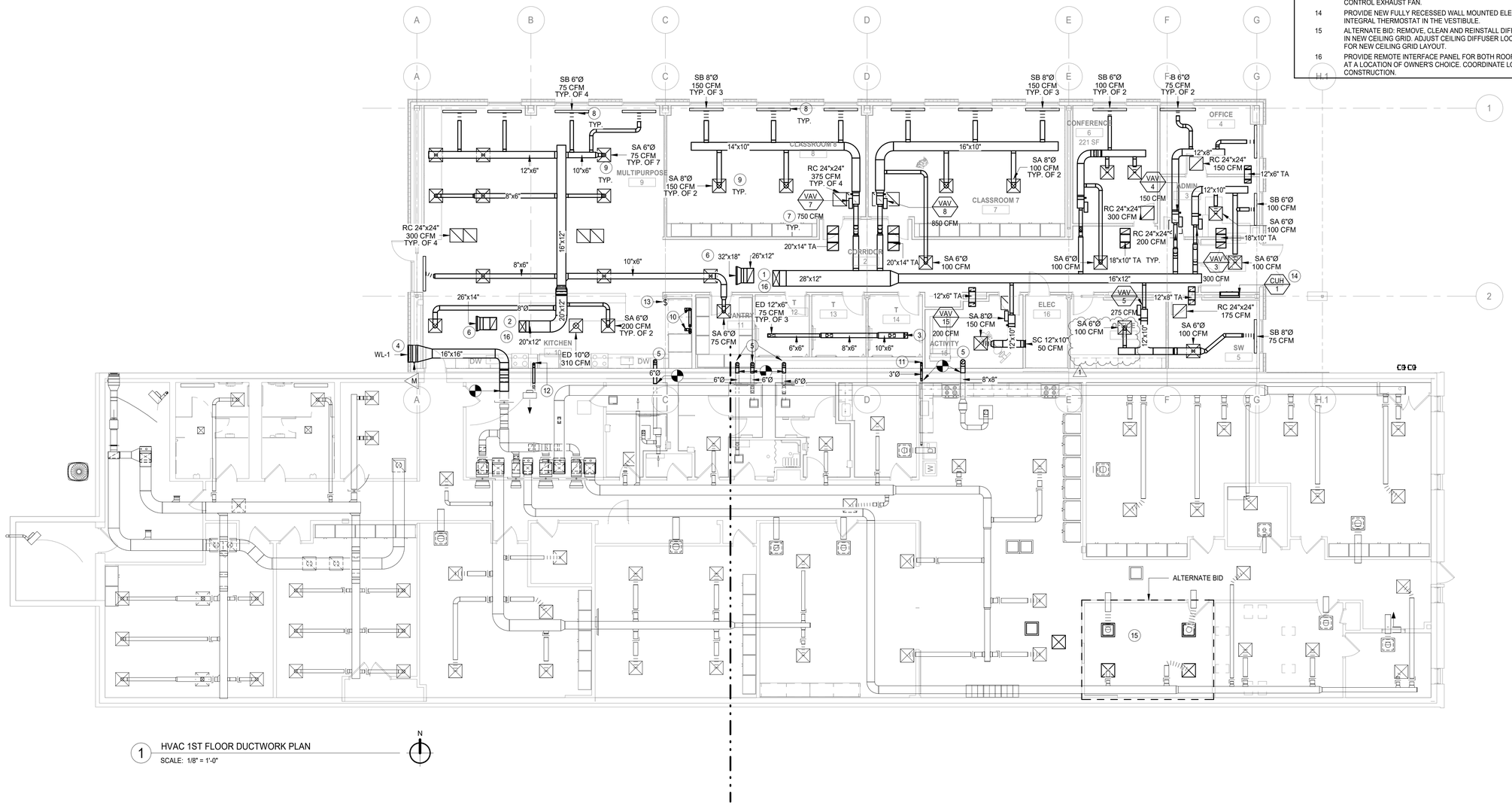
TRANSITION BUILDING ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

SIGNAGE PLAN & DETAILS

Project Number:
200191
Drawn By:
J. SLASKI
Sheet:
A12.00



1 HVAC 1ST FLOOR DUCTWORK PLAN
SCALE: 1/8" = 1'-0"

#	KEY NOTES
1	SUPPLY AND RETURN DUCT MAINS FROM RTU-1.
2	SUPPLY AND RETURN DUCT MAINS FROM RTU-2.
3	EXHAUST DUCT FROM TOILET ROOMS TO BE ROUTED TO THE ROOF. CONNECT TO EF-1 ON ROOF.
4	PROVIDE NEW FRESH AIR INTAKE LOUVER AND BIRDSCREEN TO SERVE FRESH AIR INTAKE FOR THE EXISTING FURNANCES AS SHOWN. RELOCATE EXISTING MOTORIZED DAMPER THAT WAS SALVAGED DURING DEMOLITION. ROUTE NEW OUTSIDE AIR DUCTWORK AND CONNECT TO EXISTING DUCTWORK AS SHOWN.
5	PROVIDE NEW EXHAUST DUCTWORK, CONNECT TO EXISTING EXHAUST DUCTWORK AS SHOWN AND ROUTE TO ROOF AS SHOWN. TERMINATE WITH A GOOSENECK.
6	PROVIDE WIRE MESH WITH AT LEAST 75% FREE AREA AT THE RETURN DUCT OPENING.
7	PROVIDE NEW VAV BOXES DOWNSTREAM OF RTU-1 AS SHOWN (TYP.)
8	PROVIDE NEW 5' LONG LINEAR SLOT DIFFUSERS AS SHOWN (TYP.). PROVIDE INSULATED PLENUM. PROVIDE DIFFUSER WITH 2 NOS. OF 3/4" SLOTS.
9	PROVIDE NEW 2'X2' SUPPLY DIFFUSERS AS SHOWN (TYP.)
10	ROUTE NEW VENT FROM DRYERS TO ROOF. SIZING, LAYOUT AND TERMINATION OF VENT SHALL BE AS PER MANUFACTURER APPROVED VENT CAP.
11	ROUTE THE EXISTING DRYER VENT UP TO ROOF. TERMINATE AS PER MANUFACTURER'S RECOMMENDATION.
12	ROUTE NEW GAS VENT PIPING FROM EXISTING GAS FIRED HEATER UP TO NEW ROOF. TERMINATE AS PER MANUFACTURER'S INSTRUCTIONS.
13	PROVIDE A WALL MOUNTED SWITCH TO OPERATE ROOF MOUNTED KITCHEN EXHAUST FAN. MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR PROVISION AND WIRING OF SWITCH TO CONTROL EXHAUST FAN.
14	PROVIDE NEW FULLY RECESSED WALL MOUNTED ELECTRIC CUH WITH INTEGRAL THERMOSTAT IN THE VESTIBULE.
15	ALTERNATE BID: REMOVE, CLEAN AND REINSTALL DIFFUSERS AND GRILLES IN NEW CEILING GRID. ADJUST CEILING DIFFUSER LOCATION AS REQUIRED FOR NEW CEILING GRID LAYOUT.
16	PROVIDE REMOTE INTERFACE PANEL FOR BOTH ROOF TOP UNITS. INSTALL AT A LOCATION OF OWNER'S CHOICE. COORDINATE LOCATION DURING CONSTRUCTION.

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REV	DESCRIPTION	DATE
1	ADDENDUM #2	10/21/2022
	ISSUE FOR BID	09/28/2022
	ISSUE FOR OWNER REVIEW	09/14/2022
	ISSUE FOR DESIGN DEVELOPMENT	08/10/2022

D99 TRANSITION CENTER ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

HVAC FIRST FLOOR NEW DUCTWORK PLAN

Project Number:
220081
Drawn By:
Author
Sheet:

M2.01A

ELECTRICAL ABBREVIATIONS LIST

1P	1 POLE (2P, 3P, 4P, ETC.)
A	AMPERE
AC	ABOVE COUNTER OR AIR CONDITIONER
ACLG	ABOVE CEILING
ADO	AUTOMATIC DOOR OPENER
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT CIRCUIT INTERRUPTER
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
AMPL	AMPLIFIER
ANNUN	ANNUNCIATOR
APPROX	APPROXIMATELY
AQ-STAT	AQUASTAT
ARCH	ARCHITECT, ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BD	BOARD
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAB	CABINET
CAT	CATALOG
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
COMB	COMBINATION
CMPR	COMPRESSOR
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUATION OR CONTINUOUS
CONTR	CONTRACTOR
CONV	CONVECTOR
CP	CIRCULATING PUMP
CRT	CATHODE-RAY TUBE
CT	CURRENT TRANSFORMER
CTR	CENTER
CU	COPPER
DCP	DOMESTIC WATER CIRCULATING PUMP
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DPR	DAMPER
DS	SAFETY DISCONNECT SWITCH
DT	DOUBLE THROW
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EP	ELECTRIC PNEUMATIC
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXH	EXHAUST
EXP	EXPLOSION PROOF
FA	FIRE ALARM
FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FU	FUSE
FUDS	FUSED SAFETY DISCONNECT SWITCH
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTOR
GND	GROUND
GRS	GALVANIZED RIGID STEEL (CONDUIT)
GYP BD	GYPSUM BOARD
HOA	HANDS-OFF-AUTOMATIC SWITCH
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HWP	HYDRONIC WATER PUMP
IC	INTERRUPTING CAPACITY
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INCAND	INCANDESCENT
IR	INFRARED
I/W	INTERLOCK WITH
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KVAR	KILOVOLT-AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LOC	LOCATE OR LOCATION
LT	LIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LV	LOW VOLTAGE
MAX	MAXIMUM
MAG.S	MAGNETIC STARTER
M/C	MOMENTARY CONTACT
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDC	MAIN DISTRIBUTION CENTER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MFS	MAIN FUSED DISCONNECT SWITCH
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MMS	MANUAL MOTOR STARTER
MOA	MULTIOUTLET ASSEMBLY
MSP	MOTOR STARTER PANELBOARD
MSBD	MAIN SWITCHBOARD
MT	MOUNT
MT.C	EMPTY CONDUIT
MTS	MANUAL TRANSFER SWITCH
MTR	MOTOR, MOTORIZED
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
NFDS	NON-FUSED SAFETY DISCONNECT SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NPF	NORMAL POWER FACTOR
NTS	NOT TO SCALE
OH	OVERHEAD
OL	OVERLOADS
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSHBUTTON
PE	PNEUMATIC ELECTRIC
PED	PEDESTAL
PF	POWER FACTOR
PH	PHASE
PIV	POST INDICATING VALVE
PNL	PANEL
PP	POWER POLE
PR	PAIR
PRI	PRIMARY
PROJ	PROJECTION
PRV	POWER ROOF VENTILATOR
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE (CONDUIT)
PWR	POWER
QUAN	QUANTITY
RCPT	RECEPTACLE
REQD	REQUIRED
RM	ROOM
RSC	RIGID STEEL CONDUIT
RTU	ROOF TOP UNIT
SC	SURFACE CONDUIT
SEC	SECONDARY
SHT	SHEET
SIM	SIMILAR
S/N	SOLID NEUTRAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SP	SPARE
SR	SURFACE RACEWAY
SS	STAINLESS STEEL
SSW	SELECTOR SWITCH
S/S	STOP/START PUSHBUTTONS
STA	STATION
STD	STANDARD
SURF	SURFACE MOUNTED
SW	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
SYS	SYSTEM
TEL	TELEPHONE
TEL/DATA	TELEPHONE/DATA
TERM	TERMINAL
TL	TWIST LOCK
TR	TAMPER RESISTANT
T-STAT	THERMOSTAT
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TVTC	TELEVISION TERMINAL CABINET
TYP	TYPICAL
UC	UNDER COUNTER
UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UH	UNIT HEATER
UT	UNDERGROUND TELEPHONE
UTIL	UTILITY
UV	UNIT VENTILATOR OR ULTRAVIOLET
V	VOLT
VA	VOLT-AMPERES
VDT	VIDEO DISPLAY TERMINAL
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	WATT
W/	WITH
WG	WIRE GUARD
WH	WATER HEATER
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFR	TRANSFER

ELECTRICAL GENERAL NOTES

1. DRAWINGS ARE GENERALLY DIAGRAMMATIC. ROUTING OF CONDUITS, RACEWAYS, ETC., AS SHOWN ON DRAWINGS, DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING, NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK. EACH CONTRACTOR SHALL MAKE ANY REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS, SUCH AS OFFSETS, BENDS, OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND BUILDING CONSTRUCTION. ALL CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY IN COMPLETION DATE OF THE PROJECT.
2. IT IS INTENDED THAT EQUIPMENT SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS OF THE BUILDING, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLEARNESS OF PRESENTATION.
3. CONTRACTOR SHALL CHECK DRAWINGS OF OTHER TRADES TO VERIFY THAT SPACES IN WHICH THEIR WORK WILL BE INSTALLED ARE CLEAR OF OBSTRUCTIONS. WORK SHALL BE INSTALLED TO MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS IN THE BUILDING. WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE INSTALLATION OF THEIR WORK.
4. CONTRACTOR SHALL FURNISH OTHER TRADES ADVANCE INFORMATION AND/OR SHOP DRAWINGS ON LOCATIONS AND SIZES OF PIPING, DUCTWORK, CONDUIT, RACEWAYS, EQUIPMENT, FRAMES, BOXES, SLEEVES, AND OPENINGS, ETC. NEEDED FOR THEIR WORK TO PERMIT OTHER TRADES AFFECTED TO INSTALL THEIR WORK PROPERLY AND WITHOUT DELAY.
5. WHERE THERE IS EVIDENCE THAT WORK OF ONE TRADE WILL INTERFERE WITH WORK OF OTHER TRADES, ALL TRADES SHALL MEET ON JOB SITE TO WORK OUT SPACE CONDITIONS AND MAKE SATISFACTORY ADJUSTMENTS TO INSTALLATION OF THE NEW WORK. CONTRACTORS SHALL VERIFY EXACT LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH FIELD CONDITIONS, SHOP DRAWINGS, AND WORK OF OTHER TRADES PRIOR TO ROUGH-IN. EACH CONTRACTOR SHALL BE RESPONSIBLE, AT THEIR OWN EXPENSE, FOR THE REMOVAL AND REINSTALLATION OF ANY PART OF THEIR WORK IF SAME WAS INSTALLED WITHOUT CONSULTING WITH OTHER TRADES BEFORE INSTALLING THEIR WORK.
6. CONTRACTOR SHALL PROVIDE SLEEVES IN BEAMS, FLOORS, COLUMNS, AND WALLS AS SHOWN ON THE DRAWINGS AS REQUIRED BY JOB SITE CONDITIONS, AND/OR AS SPECIFIED WHEN INSTALLING THEIR WORK. ALL BEAMS AND COLUMNS WHICH ARE REQUIRED TO BE SLEEVED SHALL BE CUT AND REINFORCED AS REQUIRED BY FIELD CONDITIONS, AND LOCATIONS AND SIZES SHALL BE CHECKED AND APPROVED BY ARCHITECT BEFORE CONTRACTOR CUTS AND STRUCTURAL BUILDING MEMBER.
7. THE SEQUENCE FOR THE INSTALLATION OF ALL WORK SHALL BE COORDINATED BETWEEN ALL CONTRACTORS ON THE PROJECT AND IN STRICT ACCORDANCE WITH ARCHITECT/ENGINEER AND OWNERS STIPULATION AS DIRECTED.
8. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL CONTRACT DRAWINGS (BEFORE SUBMITTING THEIR BIDS) TO FAMILIARIZE THEMSELVES WITH THE EXTENT OF THE GENERAL CONTRACTORS WORK, CEILING HEIGHTS AND CLEARANCE FOR INSTALLING THEIR WORK.
9. CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT OF NEW BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION, OR REMOVAL OF THEIR WORK. ALL PATCHING, REPAIRING, AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE, AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK, OR REMOVAL OF EXISTING WORK, SHALL BE REPAIRED, REPLACED, AND PAID FOR BY THE INSTALLING CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT AND OWNER. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT.
10. CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR CONDUIT, EQUIPMENT, ETC. ALL SUPPORTING STEEL FOR ITEMS ABOVE A SUSPENDED CEILING SHALL BE FROM BUILDING STRUCTURAL MEMBERS ONLY.
11. UNLESS INDICATED OTHERWISE, THE ARCHITECT/ENGINEER MAKES NO REPRESENTATION AS TO WHETHER OR NOT ANY HAZARDOUS OR CONTAMINATED MATERIALS (INCLUDING BUT NOT LIMITED TO ASBESTOS, PCBs, CONTAMINATED SOILS, ETC.) ARE PRESENT WITHIN THE EXISTING BUILDING OR ON THE SITE. WORK SHOWN ON THE DRAWINGS AND/OR INDICATED IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CALL FOR CONTACT WITH ANY OF THESE MATERIALS. IF THESE MATERIALS ARE ENCOUNTERED OR SUSPECTED, THE CONTRACTOR SHALL NOT DISTURB THEM AND SHALL CONTACT THE ARCHITECT/ENGINEER IMMEDIATELY.
12. CONTRACTOR SHALL STORE ALL MATERIALS AND EQUIPMENT SHIPPED TO THE SITE IN A PROTECTED AREA. IF MATERIAL IS STORED OUTSIDE OF THE BUILDING, IT MUST BE STORED OFF THE GROUND A MINIMUM OF SIX INCHES (6") SET ON 6X6 PLANKS AND/OR WOOD PALLETS. ALL MATERIAL AND EQUIPMENT MUST BE COMPLETELY COVERED WITH WATERPROOF TARPS OR VISQUIN. ALL CONDUIT WILL HAVE THE ENDS CLOSED TO KEEP OUT DIRT AND OTHER DEBRIS. NO EQUIPMENT WILL BE ALLOWED TO BE STORED ON THE SITE UNLESS IT IS SITTING ON WOOD PLANKS AND COMPLETELY PROTECTED WITH WEATHERPROOF COVERS.
13. THE DRAWINGS, SCHEDULES, AND SPECIFICATIONS HAVE BEEN PREPARED USING ONE MANUFACTURER FOR EACH PIECE OF EQUIPMENT AS THE BASIS FOR DIMENSIONAL DESIGN. IF THE CONTRACTOR PURCHASES EQUIPMENT FROM A SPECIFIED ACCEPTABLE MANUFACTURER, BUT NOT THE SCHEDULED MANUFACTURER USED FOR THE BASE DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL THE DIMENSIONS OF THE EQUIPMENT TO VERIFY THAT IT WILL FIT IN THE SPACE SHOWN ON THE DRAWINGS. MINOR DEVIATIONS IN DIMENSIONS WILL BE PERMITTED, PROVIDED THE RATINGS MEET THOSE SHOWN ON THE DRAWINGS AND EQUIPMENT WILL PHYSICALLY FIT INTO THE SPACE ALLOCATED WITH THE SUITABLE ACCESS AROUND EQUIPMENT FOR OPERATION AND MAINTENANCE OF THE EQUIPMENT. WHEN EQUIPMENT SUBMITTED FOR REVIEW DOES NOT MEET THE PHYSICAL SIZE OR ARRANGEMENT OF THAT SCHEDULED AND SPECIFIED, CONTRACTOR SHALL PAY FOR ALL ALTERATIONS REQUIRED TO ACCOMMODATE SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR WILL ALSO PAY ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT, OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT TO FIT IN THE SPACE AND FUNCTION AS INTENDED.
14. CONTRACTOR AND/OR MANUFACTURER SHALL VERIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT HE SUBMITS FOR REVIEW MEET THE CAPACITY AND DUTY SPECIFIED.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND THEIR ASSOCIATED FEES.
16. CONTRACTOR SHALL PROVIDE WARRANTY FOR ALL MATERIAL AND GUARANTEE ALL WORKMANSHIP PROVIDED BY HIM FOR 1 (ONE) YEAR FOR SUBSTANTIAL COMPLETION OF WORK INVOLVED.

ELECTRICAL FIXTURES

20A. 2P, 3 WIRE, GROUNDING TYPE, "DECORA STYLE" DUPLEX RECEPTACLE NEMA 5-20R INSTALLED +18" AFF,OC,UNO, WHITE. BLACK IN SCIENCE ROOM ON BACK SPLASH.

- GFI - GROUND FAULT INTERRUPTER RECEPTACLE
- USB - RECEPTACLE WITH INTEGRATED (2) USB PORTS
- IG - ISOLATED GROUND
- XX" - ABOVE FINISH FLOOR HEIGHT
- WP - WEATHER PROOF. PROVIDE WEATHERPROOF DIE-CAST ALUMINUM-LIFT LID & GFCI TYPE RECEPTACLE. SEAL PENETRATION USING APPROVED MATERIALS AND METHODS TO MAINTAIN THE WEATHER TIGHT INTEGRITY.

(2) DUPLEX RECEPTACLE - SAME SPEC'S AS DUPLEX RECEPTACLE

(1) DUPLEX RECEPTACLE - 6" ABOVE COUNTER VIF - SAME SPEC'S AS DUPLEX RECEPTACLE

(2) DUPLEX RECEPTACLE - 6" ABOVE COUNTER VIF - SAME SPEC'S AS DUPLEX RECEPTACLE

(1) DUPLEX RECEPTACLE - CEILING MOUNTED - SAME SPEC'S AS DUPLEX RECEPTACLE

SPECIAL PURPOSE RECEPTACLE AT +18" AFF, VOLTAGE/ NUMBER OF POLES AS SHOWN IN PLANS, NEMA-TYPE TO BE DETERMINED PER EQUIPMENT

SPECIAL PURPOSE RECEPTACLE, FLOOR BOX MOUNTED

SPECIAL PURPOSE RECEPTACLE, CEILING MOUNTED

MULTI-SERVICE CAST IRON RECESSED FLOOR BOX WITH GFI TYPE DUPLEX RECEPTACLE AND VOICE / DATA PROVISIONS. WIREMOLD RFB4 SERIES OR EQUAL, UNO
(1) 3/4" CONDUIT FOR POWER
(1) 1 1/4" CONDUIT FOR VOICE / DATA CABLING.
ALL COMPONENTS AND ACCESSORIES FOR COMPLETE SYSTEM. SAW CUT AND PATCH FLOOR AS REQUIRED.

MULTI-SERVICE CAST IRON RECESSED FLOOR BOX WITH GFI TYPE (2) DUPLEX RECEPTACLE AND VOICE / DATA PROVISIONS. WIREMOLD EVOLUTION SERIES OR EQUAL, UNO
(1) 3/4" CONDUIT FOR POWER
(1) 1 1/4" CONDUIT FOR VOICE / DATA CABLING.
ALL COMPONENTS AND ACCESSORIES FOR COMPLETE SYSTEM. SAW CUT AND PATCH FLOOR AS REQUIRED.

MULTI-SERVICE CAST IRON POKE-THRU FLOOR BOX WITH GFI TYPE DUPLEX RECEPTACLE AND VOICE / DATA PROVISIONS. WIREMOLD EVOLUTION SERIES-4" OR EQUAL, UNO
(1) 3/4" CONDUIT FOR POWER
ALL COMPONENTS AND ACCESSORIES FOR COMPLETE SYSTEM. CORE AND PATCH FLOOR AS REQUIRED.

POKE-THRU FLOOR BOX, (1) DUPLEX RECEPTACLE ONLY, SAME SPEC'S AS ABOVE

MULTI-SERVICE CAST IRON POKE-THRU FLOOR BOX WITH GFI TYPE DUPLEX RECEPTACLE AND VOICE / DATA PROVISIONS. WIREMOLD EVOLUTION SERIES-6" OR EQUAL, UNO
(1) 3/4" CONDUIT FOR POWER
ALL COMPONENTS AND ACCESSORIES FOR COMPLETE SYSTEM. CORE AND PATCH FLOOR AS REQUIRED.

POKE-THRU FLOOR BOX, (2) DUPLEX RECEPTACLE, SAME SPEC'S AS ABOVE

CORD REEL BY HUBBELL (OR EQUAL) #HBL45123GF220WM1, GFCI MODULE #GFPIL20, PLATE #HBLP8FS, RECEPTACLE #HBL5352GY. SEE DETAIL FOR MORE INFO

H — WALL MOUNTED JUNCTION BOX. "H" DENOTES HEIGHT ABOVE FINISHED FLOOR

JUNCTION BOX FLOOR

CLNG — JUNCTION BOX WITH FLEXIBLE CONDUIT AND FINAL CONNECTION TO EQUIPMENT. "CLNG" REPRESENT CEILING MOUNT

CLNG — CEILING JUNCTION BOX "CLNG"

PROVIDE __A. 3 POLE ___V. NON-FUSIBLE SAFETY SWITCH. NEMA __ ENCLOSURE.

PROVIDE __A. 3 POLE ___V. FUSIBLE SAFETY SWITCH WITH DUAL ELEMENT FUSES SIZED PER EQUIPMENT MANUFACTURERS RECOMMENDATION. NEMA __ ENCLOSURE.

PROVIDE ___V. COMBINATION MOTOR STARTER / FUSIBLE SAFETY SWITCH, NEMA SIZE AS INDICATED, FVNR, WITH DUAL ELEMENT FUSES SIZE PER EQUIPMENT MANUFACTURERS RECOMMENDATION. PROVIDE WITH HAND-OFF-AUTO SWITCH, PILOT LIGHTS, CONTROL TRANSFORMER AND (1) N.O. (1) N.C. CONTROL CONTACTS NEMA 1 ENCLOSURE.

$ R — PROVIDE MANUAL MOTOR STARTER THERMAL OVERLOAD SWITCH AND 120V. 20A. CONTROL RELAY / CONTRACTOR TO CONTROL PUMP (VERIFY CONTROL VOLTAGE WITH BAS CONTRACTOR)

T $ — MANUAL MOTOR STARTER, THERMAL OVERLOAD TOGGLE SWITCH

VFD — VARIABLE FREQUENCY DRIVE, SEE "ME" SHEET SCHEDULE FOR MORE INFO

GAS — EMERGENCY GAS SHUT OFF, SEE DETAILS FOR MORE INFO. PROVIDE 120V POWER FOR GAS SELONOID VALVE. VIF. PROVIDE POLYCARBONATE COVER.

EPO — EMERGENCY POWER SHUT OFF, RESETABLE BUTTON. PROVIDE REMOTE RESETABLE CONTACTOR(S) FOR RECEPTACLES OR UTILIZE MAIN DISCONNECT WITH SHUNT TRIP AT PANEL. PROVIDE POLYCARBONATE COVER.

PB — PULL BOX WHERE REQUIRED VIF

ELECTRICAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2014 NEC, 2018 IECC AND ALL LOCAL CODES.
2. PROVIDE ALL PERMITS AND INSPECTION FEES.
3. ALL MATERIAL AND LABOR SHALL BE GUARANTEED FOR ONE YEAR AFTER FINAL ACCEPTANCE BY THE ENGINEER.
4. THIS CONTRACTOR SHALL PROVIDE ALL HIS OWN RIGGING, SCAFFOLDING, RUBBISH REMOVAL, AND LEAVE SPACE BROOM CLEAN.
5. MINIMUM SIZE CONDUIT SHALL BE 3/4" E.M.T.
6. MINIMUM SIZE WIRE SHALL BE #12 THHN, WITH #14 USED FOR CONTROL WIRING.
7. WIRE #14 THROUGH #10 SHALL BE COPPER THHN; #8 THROUGH 500 MCM SHALL BE STRANDED COPPER THHN. ALUMINUM WIRE NOT ACCEPTABLE. ALL WIRE SHALL BE COLOR CODED.
8. THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY CUTTING AND PATCHING INCLUDING SLEEVES AND INSERTS.
9. ALL NEW CIRCUIT BREAKERS SHALL BE "QOB" BOLT-ON BREAKERS (10,000 A.I.C.), OR EQUAL BY G.E. OR ITE. (PROVIDE NEW CIRCUIT BREAKERS COMPATIBLE WITH NEW PANELBOARD). PROVIDE TYPEWRITTEN DIRECTORIES IN ALL PANELS.
10. BEFORE SUBMITTING HIS BID, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE TO ASCERTAIN ALL WORK INVOLVED IN THE PROJECT.
11. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS ON THE PROJECT.
12. THIS CONTRACTOR SHALL MAKE NECESSARY MODIFICATIONS AND ADJUSTMENTS TO ALL ELECTRICAL ITEMS AND EQUIPMENT AS MAY BE REQUIRED BY THIS WORK.
13. EQUIPMENT GROUNDING SHALL BE USED TO CONNECT THE GROUNDING TERMINAL OF RECEPTACLES TO THE GROUNDED METALLIC BOX.

ELECTRICAL FIXTURES

1 — HD — HAND DRYER - PROVIDE 120V 20A/1P DEDICATED CIRCUIT. FURNISHED AND INSTALLED BY THIS CONTRACTOR. INSTALL PER MANUFACTURERS RECOMMENDATIONS. MODEL # XLERATOR XL-W SURFACE MOUNT STAINLESS STEEL W/ #4 FINISH (SATIN).

TS1 — WALL POWER/DATA/AV STATION; SEE PLAN/DETAIL FOR POWER, DATA AND AV REQUIREMENTS. (SEE TECHNOLOGY DRAWINGS FOR FOR MORE INFO AND SCOPE OF WORK). HEIGHT REPRESENTED IN DRAWINGS SHALL BE CENTER ON OF THE DEVICE.

AVP — WALL PROJECTOR OR TV POWER/DATA/AV STATION; SEE PLAN/DETAIL FOR POWER, DATA AND AV REQUIREMENTS. (SEE TECHNOLOGY DRAWINGS FOR FOR MORE INFO AND SCOPE OF WORK). HEIGHT REPRESENTED IN DRAWINGS SHALL BE CENTER ON OF THE DEVICE.

CLNG AVP — CEILING PROJECTOR OR TV POWER/DATA/AV STATION; SEE PLAN/DETAIL FOR POWER, DATA AND AV REQUIREMENTS. (SEE TECHNOLOGY DRAWINGS FOR FOR MORE INFO AND SCOPE OF WORK). HEIGHT REPRESENTED IN DRAWINGS SHALL BE CENTER ON OF THE DEVICE.

CS — CHARGING STATION;
(1) DUPLEX RECEPTACLE
(2) 4-PORT USB DEVICE OUTLET, LEVITON USB4P (OR EQUAL).
SEE PLAN/DETAIL FOR POWER, DATA AND AV REQUIREMENTS. HEIGHT REPRESENTED IN DRAWINGS SHALL BE CENTER ON OF THE DEVICE.

COMMUNICATION DEVICES

INTERCOM SYSTEM CALL SWITCH, PROVIDE 3/4"C ROUGH UP TO ABOVE CEILING.

IS — FLUSH CEILING MOUTNED INTERCOM SYSTEM TWO-WAY SPEAKER. "WG" DENOTES WIRE GUARD

IS — WALL MOUNTED INTERCOM SYSTEM TWO-WAY SPEAKER. "WG" DENOTES WIRE GUARD, "WP" DENOTES WEATHER PROOF

S — FLUSH CEILING MOUNTED STANDARD SPEAKER AS SPECIFIED

S — WALL MOUNTED STANDARD SPEAKER AS SPECIFIED. "WP" DENOTES WEATHER PROOF, "WG" DENOTES WIRE GUARD

V — LOCAL VOLUME CONTROL

SURFACE MOUNTED BATTERY OPERATED CLOCK , CORRIDOR AND COMMON SPACES SHALL BE DOUBLEFACED. "WG" DENOTES WIRE GUARD

ELECTRICAL EQUIPMENT

SWITCHGEAR / MAIN DISCONNECT / METER SECTION , SEE PLANS AND RISER DIAGRAM FOR MORE INFO. PROVIDE MIN. 4" HEIGHT HOUSE KEEPING CONCRETE PAD

DISTRIBUTION PANEL, DASHED LINE REPRESENTS MINIMUM WORKING CLEARANCE SEE PLANS AND RISER DIAGRAM FOR MORE INFO

RECESSED BRANCH CIRCUIT PANEL, DASHED LINE REPRESENTS MINIMUM WORKING CLEARANCE SEE PLANS AND RISER DIAGRAM FOR MORE INFO

SURFACE MOUNTED BRANCH CIRCUIT PANEL, DASHED LINE REPRESENTS MINIMUM WORKING CLEARANCE SEE PLANS AND RISER DIAGRAM FOR MORE INFO

T — DRY TYPE TRANSFORMER, SEE PLANS AND RISER DIAGRAM FOR MORE INFO. PROVIDE MIN. 4" HEIGHT HOUSE KEEPING CONCRETE PAD

TTB — TELEPHONE TERMINAL BOARD (SIZE AS NOTED IN THE PLAN) (3/4" PLYWOOD BACKBOARD COATED WITH FIRE RETARDANT PAINT)

CONDUIT WALL SLEEVE FOR ROUTING OF LOW VOLTAGE CABLING. PROVIDE FOR EACH SHOWN, A MINIMUM OF (2) 2" CONDUIT(S) STUBBED INTO CEILING SPACES, UNLESS SPECIFICALLY NOTED OTHERWISE. PROVIDE THREADED / SCREWED INSULATED BUSHINGS AT EACH END.

CONDUIT ROUTED CONCEALED IN WALLS AND CEILING. HASH MARKS DENOTE QUANTITY OF #12 AWG CONDUCTORS OR AS NOTED

CONDUIT ROUTED EXPOSED. INSTALL PARALLEL TO WALLS AND CEILINGS. HASH MARKS DENOTE QUANTITY OF #12 AWG CONDUCTORS OR AS NOTED

CONDUIT INSTALLED BELOW GRADE. HASH MARK DENOTES QUANTITY OF #12 AWG CONDUCTORS OR AS NOTED

DENOTES CONDUIT HOMERUN, 3/4" MINIMUM, PANEL DESTINATION AND CIRCUIT NUMBER(S) AS INDICATED

SHORT TICK MARK DENOTES LINE (HOT) OR SWITCH LEG CONDUCTOR, #12 AWG MIN.

LONG TICK MARK DENOTES NEUTRAL CONDUCTOR, #10 AWG MIN.

DENOTES INSULATED GROUND WIRE, #12 AWG MINIMUM

VERTICAL - (2) COMPARTMENT, STEEL RACEWAY, WIREMOLD V4000 SERIES COLOR BY ARCHITECT, WITH RECEPTACLES AND DATA OUTLETS INDICATED

HORIZANTAL - (2) COMPARTMENT, STEEL RACEWAY, WIREMOLD V4000 SERIES COLOR BY ARCHITECT, WITH RECEPTACLES AND DATA OUTLETS INDICATED

ACOUSTICALLY SENSITIVE SPACES NOTE

ACOUSTICALLY SENSITIVE SPACES SUCH AS THEATER, STAGE AND MUSIC ROOMS WHICH ARE TO BE CONSIDERED ACOUSTICALLY STRUCTURALLY SEPARATE AND WHICH REQUIRE ACOUSTIC AND VIBRATION ISOLATION - REFER TO ARCHITECTURAL SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

BIDDING NOTE

SEE DRAWING ME1.0 FOR GENERAL NOTES, HVAC/PLUMBING/ELECTRICAL COORDINATION SCHEDULE, AND ADDITIONAL DETAILS APPLICABLE TO THIS TRADE'S WORK.

SEE TECHONOLGY CONSULTANT DRAWINGS FOR LOW VOLTAGE/DATA/AV AND ETC. FOR MORE INFO AND SCOPE OF WORK.

THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL RACEWAYS, POWER, BACKBOXES AND STUB-UPS PER T / TE AND K SERIES DRAWINGS.

FIRE ALARM DEVICES

FACP — MAIN FIRE ALARM CONTROL PANEL, PROVIDE 120V DEDICATED EM POWER AND SMOKE DETECTOR ABOVE PANEL . WIRING BETWEEN REMOTE PANELS SHALL MEET NFPA 72 SURVIVABILITY REQUIRMENTS

EVAC — FIRE ALARM VOICE EVACUATION PANEL, PROVIDE 120V DEDICATED EM POWER. WIRING BETWEEN REMOTE PANELS SHALL MEET NFPA 72 SURVIVABILITY REQUIRMENTS

ANNC — FIRE ALARM ANNUNCIATOR PANEL, PROVIDE 120V DEDICATED EM POWER, WIRING BETWEEN REMOTE PANELS SHALL MEET NFPA 72 SURVIVABILITY REQUIRMENTS

F — FIRE ALARM SYSTEM PULL STATION INSTALLED +48" AFF

S — FIRE ALARM SPEAKER AND STROBE CEILING

S — FIRE ALARM SPEAKER AND STROBE WALL

S FA — FIRE ALARM SPEAKER (ONLY) CEILING

S — FIRE ALARM SPEAKER (ONLY) WALL

S F — FIRE ALARM SPEAKER AND HORN WALL

V — FIRE ALARM STOBE (ONLY) CEILING

V — FIRE ALARM SYSTEM STROBE (ONLY) INSTALLLED +80" AFF

H — FIRE ALARM SYSTEM AUDIO/VISUAL HORN CEILING MOUNTED

H — FIRE ALARM SYSTEM AUDIO/VISUAL HORN INSTALLED +80" AFF

SD — FIRE ALARM SYSTEM CEILING SMOKE DETECTOR

HD — FIRE ALARM SYSTEM CEILING HEAT DETECTOR

CO — CARBON MONOXIDE DETECTOR

FT — FIRE ALARM SYSTEM CEILING FIX TEMP HEAT DETECTOR , 212F

DSD — DUCT SMOKE DETECTOR, MOUNTED IN CONDITION SPACE IN BUILDING VIF

SD — FIRE ALARM SMOKE DAMPER

K — DUCT SMOKE DETECTOR REMOTE INDICATING LIGHT WITH KEY OPERATED TEST SWITCH

DUCT SMOKE DETECTOR CEILING TEST SWITCH

F — FIRE ALARM BELL (ONLY) EXTERIOR WALL MOUNTED +80" AFF

F — FIRE ALARM SYSTEM BELL/VISUAL EXTERIOR MOUNTED +80" AFF

K — KNOX BOX - RECESSED WHERE NOTED, COORDINATE LOCATION WITH LOCAL FIRE MARSHALL PRIOR TO INSTALL

FIRE ALARM FIRE FIGHTER PHONE

MH — MAGNETIC DOOR HOLDER, WALL MOUNTED OR DOOR CLOSER MOUNTED. SEE ARCHITECTURAL DOOR SCHEDULE FOR MORE INFO

FIRE ALARM REMOTE STATION

VSS — VALVE SUPERVISORY SWITCH, VERIFY QUANTITY WITH FIRE SPRINKLER DESIGN

TS — TAMPER SWITCH, VERIFY QUANTITY WITH FIRE SPRINKLER DESIGN

FS — WATER FLOW SWITCH, VERIFY QUANTITY WITH FIRE SPRINKLER DESIGN

ARA-M — AREA OF RESCUE - FIRE FIGHTER MAIN STATION , 120V DEDICATED EM POWER, WIRING BETWEEN DEVICES SHALL MEET NFPA 72 SURVIVABILITY REQUIRMENTS - SEE DETAILS FOR MORE INFO

ARA — AREA OF RESCUE STATION - WIRING BETWEEN DEVICES SHALL MEET NFPA 72 SURVIVABILITY REQUIRMENTS - SEE DETAILS FOR MORE INFO

LIGHTING DEVICES

$ — SINGLE POLE, 20 AMP 120-277 VOLT TOGGLE SWITCH INSTALLED 48" AFF

$3 — THREE WAY, 20 AMP 120-277 VOLT TOGGLE SWITCH INSTALLED 48" AFF

$D — DIMMER SWITCH, 20 AMP 120-277 VOLT TOGGLE SWITCH INSTALLED 48" AFF

$K — SINGLE POLE, 20 AMP 120-277 VOLT KEY OPERATED TOGGLE SWITCH INSTALLED 48" AFF

$P — SINGLE POLE, 20 AMP 120-277 VOLT PILOT LIGHT SWITCH INSTALLED 48" AFF

$OS — WALL MOUNTED OCCUPANCY SENSOR WITH OVERIDE SWITCH

$OS/D — SINGLE POLE 20 AMP 120-277 VOLT OCCUPANCY SENSOR WITH OVERRIDE DIMMER SWITCH INSTALLED 48" A.F.F.

OS — CEILING MOUNTED OCCUPANCY SENSOR - SEE SCHEDULE FOR MORE DETAIL

OS — OCCUPANCY SENSOR WALL

PC — PHOTOCELL SENSOR

LCP — LIGHTING CONTROL PAD

TSP — TOUCH SCREEN PANEL

MOUNTING HEIGHT NOTE

REFER TO ARCHITECTURAL FLOOR PLANS FOR ADDITIONAL INFORMATION REGARDING MOUNTING HEIGHTS AND LOCATIONS OF ELECTRICAL DEVICES BEFORE ROUGH-IN. ALL HEIGHT INFORMATION GIVEN IN ELECTRICAL DRAWINGS ARE CENTER OF THE DEVICE, UNLESS NOTED OTHERWISE

ROOM NUMBER AND EQUIPMENT/DEVICE TAGGING NOTE

ALL ROOM NUMBERS AS SHOWN ON CONSTRUCTION DRAWINGS ARE SUBJECT TO REVISION DURING CONSTRUCTION. FINAL ROOM NUMBERS WILL BE PROVIDED PRIOR TO SUBSTANTIAL COMPLETION. ALL PROJECT RECORD DOCUMENTS SHALL UTILIZE FINAL ROOM NUMBERS AND ALL EQUIPMENT/DEVICE TAGGING, REQUIRED TO BE ASSOCIATED WITH ROOM NUMBERS, SHALL REFERENCE FINAL ROOM NUMBERS. THIS SHALL INCLUDE VAV BOXES, FAN POWERED BOXES, BAS SYSTEM, ELECTRICAL PANELS, PANEL SCHEDULES, FIRE ALARM SYSTEM, AND ANY OTHER EQUIPMENT/DEVICES AS REQUIRED BY OWNER.

SECURITY DEVICES

360 DEGREE CEILING CAMERA. "WP" DENOTES WEATHER PROOF. "WG" DENOTES WIRE GUARD.

FIXED CEILING CAMERA. "WP" DENOTES WEATHER PROOF. "WG" DENOTES WIRE GUARD

CR — WALL MOUNTED CARD READER. PROVIDE RECESSED JUNCTION BOX AND CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE FOR FUTURE CABLING. SEE SECURE DOOR DETAIL FOR MORE INFO

DC — MAGNETIC DOOR CONTACT. CONNECT TO SECURITY PANEL. REQUIRES DRILL TO DOOR FRAME, VERIFY. PROVIDE CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE. SEE SECURE DOOR DETAIL FOR MORE INFO

EDS — ELECTRONIC DOOR (LOCK) STRIKE, PROVIDE 120V POWER AS REQUIRED ABOVE CEILING. SEE SECURE DOOR DETAIL FOR MORE INFO

ML — MAGNETIC LOCK WALL, PROVIDE 120V POWER AS REQUIRED ABOVE CEILING.

BS — BALANCE MAGNETIC SWITCH

ICV — MAIN INTERCOM SYSTEM AT RECEPTION DESK

IC — WALL INTERCOM - EXTERIOR MOUNTED

PUSH BUTTON - DOOR RELEASE

PUSH BUTTON SINGLE, SEE PLAN KEY NOTES FOR USE AND TYPE

B — DOORBELL CHIME WALL

DOOR BELL WALL

DOOR CHIME WALL

DOOR BUZZER WALL

GB — GLASS BREAK DETECTOR CEILING

MD — MOTION DETECTOR WALL

MOTION DETECTOR CEILING

KP — SECURITY DEVICE KEY PAD

CCTV WALL OUTLET

CL — COMBINATION LOCK WALL

2 S — DURESS ALERT STROBE LIGHT

DURESS ALERT PUSH BUTTON

S — SECURITY NOTIFICATION APPLIANCE

P — HIGH INTESITY SECURITY BLUE POINT STROBE LIGHT WALL MOUNT, SEE SPECIFICATION FOR SCOPE OF WORK. INSTALLED AT +80"AFF.

BP F — BLUE POINT PULL STATION INSTALLED AT +48" AFF.

P — HIGH INTESITY SECURITY BLUE POINT STROBE LIGHT CEILING MOUNT, SEE SPECIFICATION FOR SCOPE OF WORK

PAD — POWER ASSISTED DOOR ACTUATOR, PROVIDE 120V POWER FOR OPERATOR, SEE ARCHITECTURAL DOOR SCHEDULE FOR MORE INFO

TELEPHONE DEVICES

W — PREWIRED ADMINISTRATIVE TELEPHONE JACK WALL MOUNTED + 16". "W" DENOTES WALL MOUNTED AT +48" A.F.F. SINGLE VOICE JACK. PROVIDE JUNCTION BOX AND BLANK FACEPLATE AND CONDUIT STUB. PROVIDE THREADED/SCREWED INSULATED BUSHING.

PA — LOCAL PA CALL SWITCH; PROVIDE JUNCTION BOX AND BLANK FACEPLATE AND CONDUIT STUB. PROVIDE THREADED/SCREWED INSULATED BUSHING.

DATA DEVICES

H X — DATA WALL. "X" DENOTES QUANTITY OF DATA PORTS. "H" DENOTES HEIGHT ABOVE FINISHED FLOOR

X — DATA CEILING. "X" DENOTES QUANTITY OF DATA PORTS

X — DATA FLOOR. "X" DENOTES QUANTITY OF DATA PORTS

WAP — WIRELESS ACCESS POINT CEILING. "WP" DENOTES WEATHER PROOF. "WG" DENOTES WIRE GUARD

WAP — WIRELESS ACCESS POINT WALL. "WP" DENOTES WEATHER PROOF. "WG" DENOTES WIRE GUARD

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D99 TRANSITION CENTER ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

NOTES & SYMBOLS

Project Number: 220081
Drawn By: E.P.
Sheet:

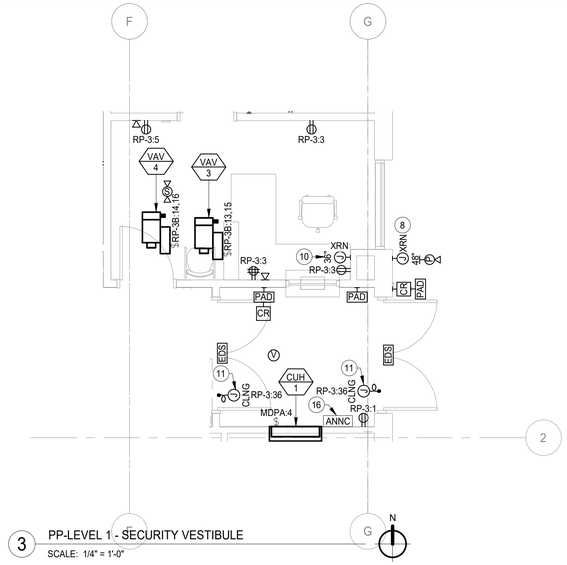
E0.01

ELECTRICAL SYMBOL LEGEND

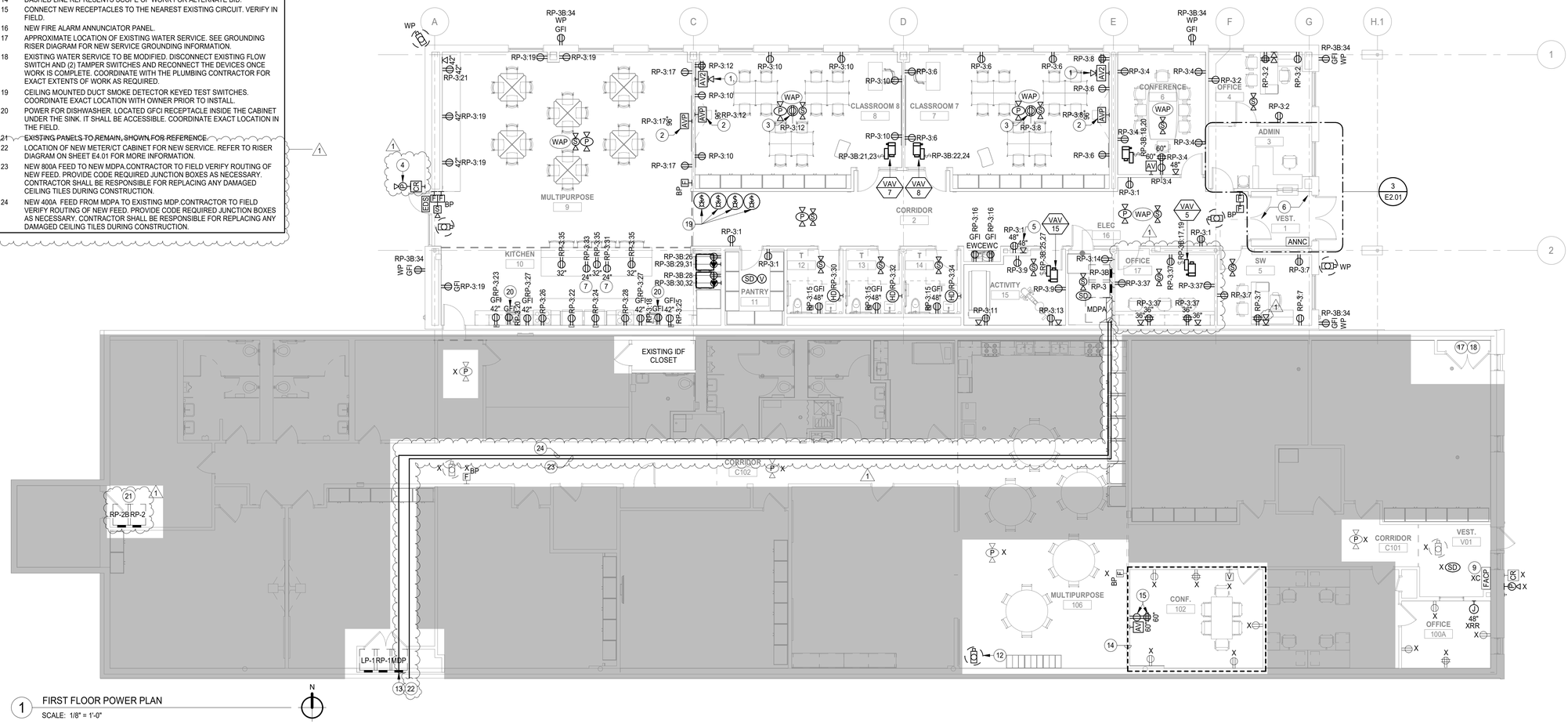
"X"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO REMAIN.
"XRR"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED AND RELOCATED TO NEW LOCATION AS SHOWN IN NEW PLANS.
"XRN"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET RELOCATED (NEW LOCATION).
"XR"	EXISTING ELECTRICAL EQUIPMENT REMOVED AND RE-INSTALLED IN SAME LOCATION
"R"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED.
"XC"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED AND NEW EQUIPMENT TO BE INSTALLED IN ITS PLACE AS REQUIRED.
"XO"	NEW ELECTRICAL EQUIPMENT INSTALLED OVER EXISTING LOCATION.
"XA"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE ABANDONED.
"XM"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE MODIFIED.
"XW"	EXISTING ELECTRICAL EQUIPMENT TO BE REWIRED.

(#) KEYNOTES

1. LOCATION OF TEACHERS STATION, VERIFY EXACT LOCATION OF THE DESK WITH ARCHITECTS DRAWING PRIOR TO ROUGH IN.
2. VERIFY EXACT LOCATION OF WALL MOUNTED SHORT THROW PROJECTOR WITH THE OWNER PRIOR TO ROUGH IN.
3. SEE DETAIL FOR AV SPEAKER. PROVIDE 120V POWER CONNECTION.
4. NEW LOCATION OF RELOCATED BLUEPOINT STROBE. INTERCEPT AND EXTEND EXISTING WIRING AND CONDUIT TO THE NEW LOCATION AS REQUIRED.
5. POWER AND DATA FOR TELEPHONE STATION. MATCH PLACEMENT OF DEVICES TO THE SETUP IN THE EXISTING BUILDING. VERIFY IN FIELD PRIOR TO INSTALL.
6. SEEN ENLARGED PLAN ON THIS SHEET FOR SECURED VESTIBULE AND ADMIN AREA.
7. SEEN ENLARGED PLAN ON THIS SHEET FOR SECURED VESTIBULE AND ADMIN AREA.
8. RELOCATED INTERCOM/DOOR BUZZER DEVICE. VERIFY EXACT ROUGH IN LOCATION WITH OWNER PRIOR TO INSTALL.
9. NEW FIRE ALARM CONTROL PANEL WITH VOICE EVACUATION TO REPLACE THE EXISTING SYSTEM. ALL EXISTING FIRE ALARM DEVICES TO TIE BACK INTO THE NEW SYSTEM. SEE FIRE ALARM DETAIL FOR MORE INFORMATION.
10. RELOCATED INTERCOM STATION. VERIFY ROUGH IN LOCATION WITH OWNER PRIOR TO INSTALL.
11. POWER FOR ADA MOTORIZED DOOR. VERIFY EXACT POWER REQUIREMENTS WITH DOOR MANUFACTURER PRIOR TO START.
12. NEW SECURITY CAMERA LOCATION. VERIFY EXACT LOCATION WITH OWNER PRIOR TO START.
13. EXISTING MAIN SERVICE ENTRANCE PANELBOARD. NEW ELECTRICAL SERVICE WILL BE PROVIDED TO THE NEW DISTRIBUTION PANEL "MDPA" IN THE NEW ADDITION. EXISTING PANEL "MDP" TO BE BACKFED. SEE RISER DIAGRAM FOR MORE INFORMATION.
14. DASHED LINE REPRESENTS SCOPE OF WORK FOR ALTERNATE BID.
15. CONNECT NEW RECEPTACLES TO THE NEAREST EXISTING CIRCUIT. VERIFY IN FIELD.
16. NEW FIRE ALARM ANNUNCIATOR PANEL.
17. APPROXIMATE LOCATION OF EXISTING WATER SERVICE. SEE GROUNDING RISER DIAGRAM FOR NEW SERVICE GROUNDING INFORMATION.
18. EXISTING WATER SERVICE TO BE MODIFIED. DISCONNECT EXISTING FLOW SWITCH AND (2) TAMPER SWITCHES AND RECONNECT THE DEVICES ONCE WORK IS COMPLETE. COORDINATE WITH THE PLUMBING CONTRACTOR FOR EXACT EXTENTS OF WORK AS REQUIRED.
19. CEILING MOUNTED DUCT SMOKE DETECTOR KEYED TEST SWITCHES. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALL.
20. POWER FOR DISHWASHER. LOCATED GFCI RECEPTACLE INSIDE THE CABINET UNDER THE SINK. IT SHALL BE ACCESSIBLE. COORDINATE EXACT LOCATION IN THE FIELD.
21. EXISTING PANELS TO REMAIN, SHOWN FOR REFERENCE.
22. LOCATION OF NEW METER/CT CABINET FOR NEW SERVICE. REFER TO RISER DIAGRAM ON SHEET E4.01 FOR MORE INFORMATION.
23. NEW 800A FEED TO NEW MDPA.CONTRACTOR TO FIELD VERIFY ROUTING OF NEW FEED. PROVIDE CODE REQUIRED JUNCTION BOXES AS NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY DAMAGED CEILING TILES DURING CONSTRUCTION.
24. NEW 400A FEED FROM MDPA TO EXISTING MDP.CONTRACTOR TO FIELD VERIFY ROUTING OF NEW FEED. PROVIDE CODE REQUIRED JUNCTION BOXES AS NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY DAMAGED CEILING TILES DURING CONSTRUCTION.



3 PP-LEVEL 1 - SECURITY VESTIBULE
SCALE: 1/4" = 1'-0"



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

ELECTRICAL POWER PLAN GENERAL NOTES

1. THESE NOTES APPLICABLE TO ALL POWER PLANS
2. THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 3/4". 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO END OF THE LINE RECEPTACLES ONLY.
3. ALL POWER BRANCH CIRCUITS SHALL TERMINATE AT 20A/1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES, AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THE FIRE ALARM, PAGING, SECURITY, AUDIO/VISUAL, VOICE, AND DATA CABLING. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALLS, FLOORS, AND CEILINGS.
5. BACKBOXES ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK.
6. CIRCUIT NUMBER(S), WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
7. UNLESS INDICATED OTHERWISE, ALL MATERIALS REQUIRED TO PROVIDE BRANCH CIRCUITS AND FEEDERS ARE TO BE NEW.
8. REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT INFORMATION.
9. ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO WIREMOLDS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE.
10. VERIFY RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT TO ENSURE PROPER ACCESSIBILITY.
11. LOW VOLTAGE WIRING SHALL NOT LIE ON TOP OF CEILING GRID SYSTEM. WIRING SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 5 FEET BY UTILIZING J-HOOKS SUPPORTED BY STRUCTURAL MEMBERS. WIRING SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS.
12. PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 344.26 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL) BETWEEN PULL POINTS.
13. SPECIAL ATTENTION SHALL BE PAID TO ALL CONDUIT ROUTING IN OPEN CEILING SPACE FOR AESTHETIC PURPOSES. ALL EXPOSED CONDUITS SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO BUILDING LINES AND TIGHT TO CEILING/STRUCTURAL CORNERS. WHERE THIS IS NOT FEASIBLE, SUBMIT CONDUIT ROUTING PLAN TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
14. CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TIES ARE ACCEPTABLE WHEN BREAKERS ARE "SLASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM. WHEN HANDLE TIES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS, PROVIDE A DEDICATED NEUTRAL FOR EACH UNGROUNDED CONDUCTOR.

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D99 TRANSITION CENTER ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

FIRST FLOOR POWER PLAN

Project Number:
220081
Drawn By:
E.P.
Sheet:

E2.01

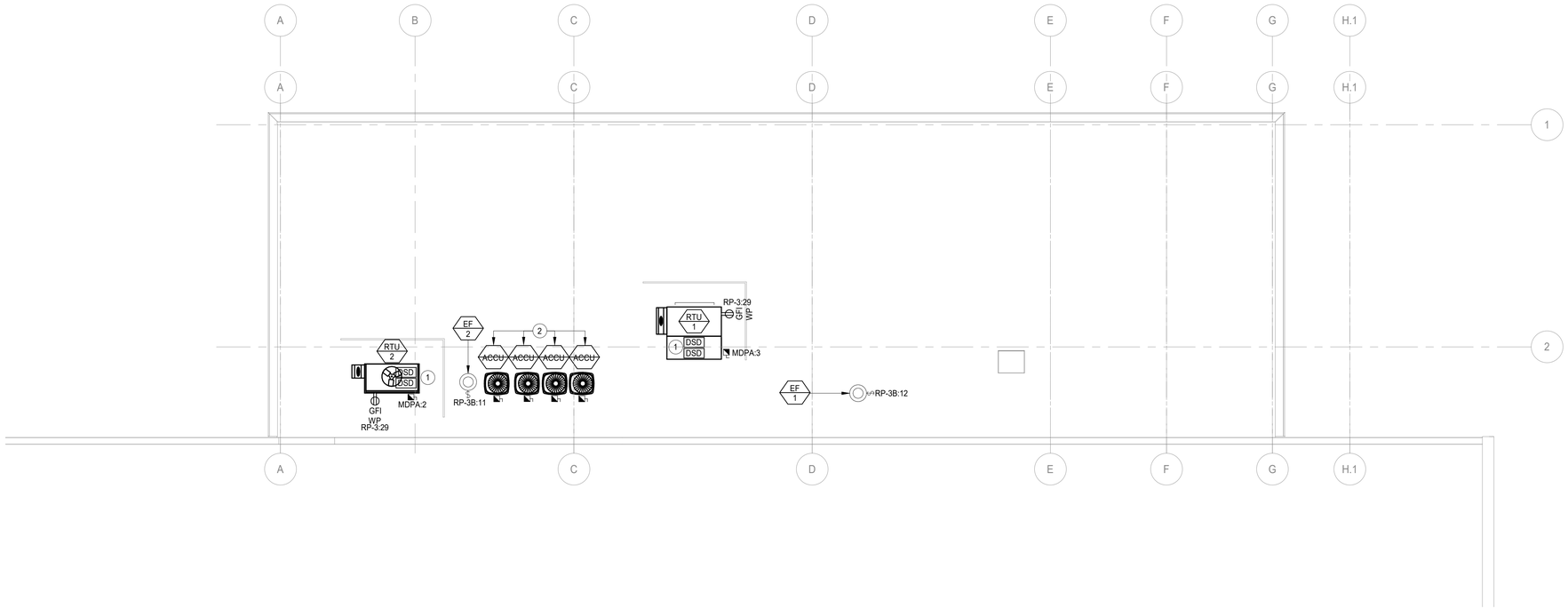
ELECTRICAL POWER PLAN GENERAL NOTES

1. THESE NOTES APPLICABLE TO ALL POWER PLANS
2. THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 3/4". 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO END OF THE LINE RECEPTACLES ONLY.
3. ALL POWER BRANCH CIRCUITS SHALL TERMINATE AT 20A/1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES, AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THE FIRE ALARM, PAGING, SECURITY, AUDIO/VISUAL, VOICE, AND DATA CABLING. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALLS, FLOORS, AND CEILINGS.
5. BACKBOXES ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK.
6. CIRCUIT NUMBER(S), WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
7. UNLESS INDICATED OTHERWISE, ALL MATERIALS REQUIRED TO PROVIDE BRANCH CIRCUITS AND FEEDERS ARE TO BE NEW.
8. REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT INFORMATION.
9. ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO WIREMOLDS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE.
10. VERIFY RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT TO ENSURE PROPER ACCESSIBILITY.
11. LOW VOLTAGE WIRING SHALL NOT LIE ON TOP OF CEILING GRID SYSTEM. WIRING SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 5 FEET BY UTILIZING J-HOOKS SUPPORTED BY STRUCTURAL MEMBERS. WIRING SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS.
12. PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 344.26 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL) BETWEEN PULL POINTS.
13. SPECIAL ATTENTION SHALL BE PAID TO ALL CONDUIT ROUTING IN OPEN CEILING SPACE FOR AESTHETIC PURPOSES. ALL EXPOSED CONDUITS SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO BUILDING LINES AND TIGHT TO CEILING/STRUCTURAL CORNERS. WHERE THIS IS NOT FEASIBLE, SUBMIT CONDUIT ROUTING PLAN TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
14. CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TIES ARE ACCEPTABLE WHEN BREAKERS ARE "SLASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM. WHEN HANDLE TIES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS, PROVIDE A DEDICATED NEUTRAL FOR EACH UNGROUNDED CONDUCTOR.

(#) KEYNOTE

1 PROVIDE DUCT SMOKE DETECTORS IN THE SUPPLY AND RETURN AIR DUCT. THEY SHALL BE LOCATED BELOW ROOF IN TAMPERED SPACE. IT SHALL BE ACCESSIBLE. VERIFY LOCATION WITH MECHANICAL DRAWINGS PRIOR TO INSTALL.

2 NEW LOCATION OF EXISTING CONDENSING UNITS ON ROOF. RELOCATE EXISTING DISCONNECT WITH THE UNIT. INTERCEPT AND EXTEND ALL WIRING AND CONDUIT TO THE NEW LOCATION AS REQUIRED. MOUNT EXISTING DISCONNECT TO THE UNIT. VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALL.



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

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D99 TRANSITION CENTER ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

ROOF POWER PLAN

Project Number:
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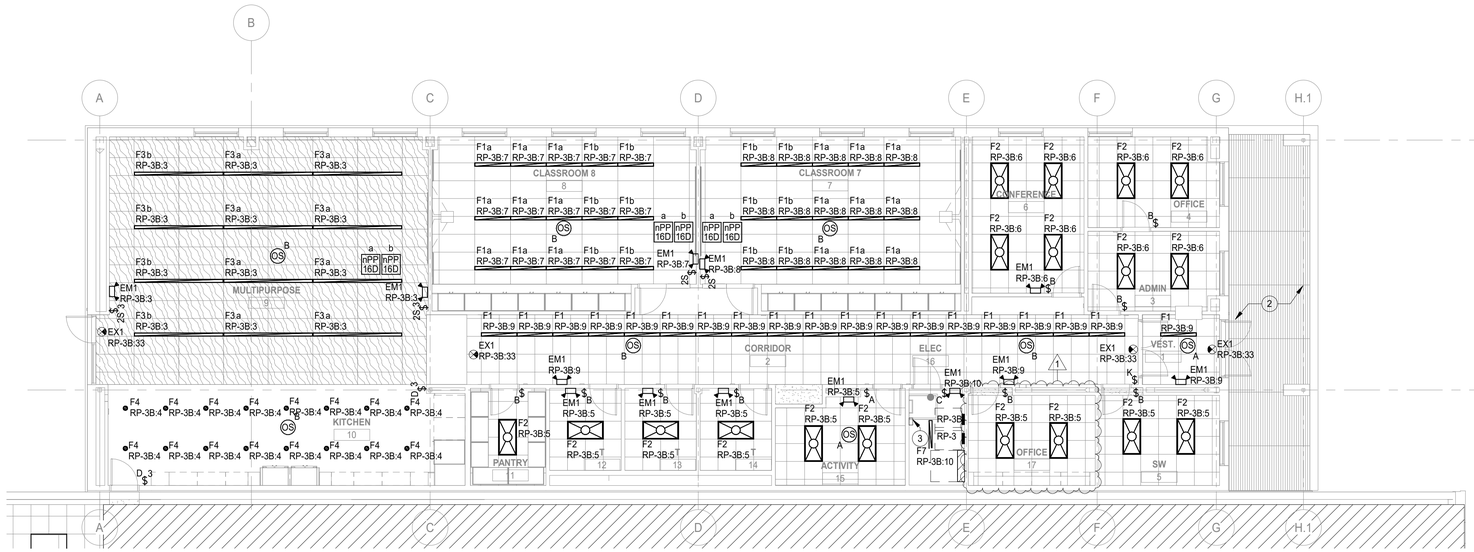
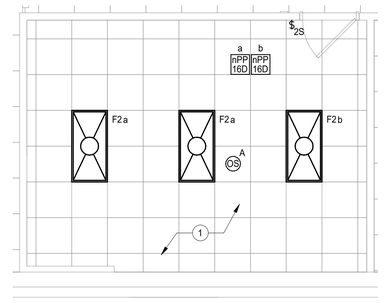
Drawn By:
E.P.
Sheet:

E2.02



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



2 LP-LEVEL 1 - CONFERENCE ROOM 102 - ALTERNATE BID
SCALE: 1/4" = 1'-0"

KEY NOTES

#	
1	INTERCEPT AND EXTEND THE EXISTING LIGHTING BRANCHED CIRCUIT IN THIS SPACE TO THE NEW LIGHT FIXTURES. VERIFY IN FIELD. UPDATE PANELBOARD DIRECTORY AS REQUIRED.
2	REFER TO ELECTRICAL SITE PLAN SHEET E1.01 FOR ALL EXTERIOR LIGHTING.
3	NEW 4 CIRCUIT LIGHTING CONTROL DEVICE FOR EXTERIOR LIGHTING. BUILDING MOUNTED FIXTURES TO BE CONTROLLED SEPARATELY FROM POLE MOUNTED FIXTURES. TIE IN THE EXISTING BUILDING MOUNTED LIGHTING FIXTURES TO THIS SYSTEM. INTERCEPT AND EXTEND EXISTING EXTERIOR LIGHTING BRANCHED CIRCUITS TO THIS DEVICE AS REQUIRED. VERIFY TIME SETTINGS WITH OWNER. SEE LIGHTING FIXTURE SCHEDULE FOR PRODUCT SPECIFICATION.

ELECTRICAL LIGHTING PLAN GENERAL NOTES

1. THESE NOTES APPLICABLE TO ALL LIGHTING PLANS
2. THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS SHALL BE 3/4".
3. ALL LIGHTING BRANCH CIRCUITS SHALL TERMINATE AT 20A/1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE.
4. PROVIDE LOCK-ON CIRCUIT BREAKER DEVICES FOR ALL EMERGENCY LIGHTING & EXIT SIGN BRANCH CIRCUITS.
5. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LUMINAIRE LOCATIONS.
6. ALL LUMINAIRES SHOWN HALF SHADED SHALL BE WIRED (NON-SWITCHED CIRCUIT) DIRECTLY TO THE EMERGENCY PANEL. PROVIDE DEDICATED NEUTRAL CONDUCTOR TO EACH BRANCH CIRCUIT TO THE EMERGENCY PANEL.
7. CIRCUIT NUMBER(S), WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
8. EMERGENCY BATTERY PACKS SHOWN ARE TO BE CONNECTED TO THE NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF LOCAL SWITCH UNLESS NOTED OTHERWISE.
9. ALL LAY-IN LUMINAIRES SHALL BE INDEPENDENTLY SUPPORTED AT OPPOSITE CORNERS TO A STRUCTURAL MEMBER.
10. PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 344.26 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL) BETWEEN PULL POINTS.
11. PROVIDE SEPARATE NEUTRAL FOR ALL DIMMED CIRCUITS.
12. CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TIES ARE ACCEPTABLE WHEN BREAKERS ARE "SLASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM. WHEN HANDLE TIES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS, PROVIDE A DEDICATED NEUTRAL FOR EACH UNGROUNDED CONDUCTOR.

LIGHTING FIXTURE SCHEDULE

TYPE MARK	DESCRIPTION	MOUNTING	LAMP	VOLTAGE	WATTAGE	MANUFACTURER/ CATALOG NUMBER	NOTES
F1	4FT LINEAR FIXTURE	RECESSED	LED	120V	24 W	MARK SLOT 4 LED / SL4L-4FT-FLP-TG-90CRI-35K-600LMF-MIN10-120V-ZT	VERIFY EXACT LENGTHS AND CEILING TYPES WITH ARCHITECTURAL DRAWINGS.
F2	2X4 LED FIXTURE	RECESSED	LED	120V	34 W	LITHONIA LIGHTING/ EPANL -2X4-40L-80CRI-3500K- MIN1(0-10V DIMMING)-MVOLT	FINISH PER ARCHITECTS SELECTION. PROVIDE ALL PENDANT MOUNTING ACCESSORIES.
F3	10 FT LINEAR FIXTURE	RECESSED	LED	120V	60 W	MARK SLOT 4 LED / SL4L-10FT-FLP-TG-90CRI-35K-600LMF-MIN10-120V-ZT	VERIFY EXACT LENGTHS AND CEILING TYPES WITH ARCHITECTURAL DRAWINGS.
F4	6" DOWNLIGHT	RECESSED	LED	120V	29 W	GOTHAM / EVO-35/25-6AR-MWD-LSS-MVOLT-EZ1	PROVIDE DRY WALL FLANGE WHERE DRWALL CEILING. REFER TO ARCHITECTURAL DRAWING FOR CEILING TYPES.
F6	4FT LINEAR FIXTURE (EXTERIOR)	RECESSED	LED	120V	40 W	AXIS LIGHTING / WBRLED-900-90-35-S-4-120-DP-1-B#	PROVIDE BATTER BACKUP OPTION. VERIFY CEILING TYPE WITH ARCHITECTURAL DRAWINGS. PROVIDE ALL MOUNTING ACCESSORIES.
F7	LED STRIP LIGHT	PENDANT	LED	120V	34 W	LITHONIA / ZLIN LED STRILIGHT- L48- SMR- 5000LM-FST-MVOLT-3500K-90CRI-WH	INCLUDE PENDANT MOUNTING KIT.
X1	EXTERIOR WALL MOUNTED FIXTURE	SURFACE	LED	120V	45 W	HUBBELL LIGHTING / RWL2-160L-45-4K7-4W-UNV - SCP-20F(120V)	COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS.
S1	PARKING LOT LIGHTING POLE	POLE MOUNT	LED	120V	132 W	HUBBELL LIGHTING / VP-ST-1-160L-135-4K7-4W- UNV - BC	10° TILT WITH HOUSE SIDE CUT OFF SHIELDING. PROVIDE PHOTOCELL OPTION.
S2	PARKING LOT LIGHTING POLE	POLE MOUNT	LED	120V	51 W	HUBBELL LIGHTING / VP-ST-1-160L-50-4K7-4W-BC	VERIFY CUT OFF SHIELD OPTIONS WITH MANUFACTURER. PROVIDE PHOTOCELL OPTION.
EM1	EMERGENCY WALL PACK	SURFACE	LED	120V	11 W	LITHONIA LIGHTING EM WALL PACK/ ELM6L-WHITE- UVOLT-LTP-SDRT	MINIMUM 90 MINUTE BATTERY BACK UP.
EM2	EMERGENCY WALL PACK EXTERIOR	SURFACE	LED	120V	11 W	LITHONIA LIGHTING EM WALL PACK/ WLTU-GY-MR	MINIMUM 90 MINUTE BATTERY BACK UP.
EX1	EXIT SIGN LIGHT	RECESSED	LED	120V	5 W	LITHONIA EXIT SIGN LIGHTING/ EDGR- -1-RMR-EL	MINIMUM 90 MINUTE BATTERY BACK UP.
	EXTERIOR LIGHTING CONTROL TIMER			120V		INTERMATIC / ET2145C	NEW EXTERIOR LIGHTING CONTROL TIMER LOCATED IN THE NEW ELECTRICAL ROOM. SEE KEYNOTE 3 ON PLANS FOR MORE INFORMATION.

NOTES:
1) REFER TO ARCHITECTURAL DRAWINGS AND DETAILS FOR EXACT LENGTH, QUANTITY, AND MOUNTING TYPE OF THE LIGHT FIXTURES.
2) ALL THE LIGHTING FIXTURES 0-10V DIMMING.
3) FIXTURES LISTED IN THE SCHEDULE ARE BASIS OF DESIGN, ANY SUBSTITUTION SHALL BE APPROVED BY THE ARCHITECT AND THE ENGINEER.
4) CONTRACTOR SHALL SEE ARCHITECTURAL DRAWINGS FOR HEIGHTS, LOCATIONS, AND QUANTITIES. IF ANY CONFLICT, CONTRACTOR SHALL PROVIDE AND INSTALL PER ARCHITECTURAL DRAWINGS AND USE ELECTRICAL DRAWINGS FOR CIRCUITING AND SWITCHING.
5) CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING TYPES, FIXTURES SHALL BE ORDERED WITH PROPER TRIM MATCHING THE CEILING TYPES.
6) ACUITY NLIGHT CONTROL SYSTEM IS BASIS OF DESIGN, CONTRACTOR SHALL PROVIDE ALL WORKING PARTS NECESSARY FOR COMPLETE WORKING SYSTEM INCLUDING FACTORY START UP AND OWNER TRAINING.
7) LIGHTING CONTROL DEVICES SHOWN ARE FOR GRAPHICAL PURPOSE ONLY. CONTRACTOR SHALL FOLLOW MANUFACTURER REQUIREMENTS, ADJUST SENSOR AS REQUIRED.
8) CONTINUOUS LINEAR FIXTURES SHALL HAVE CONTINUOUS LENSES. CONTRACTOR SHALL PROVIDE FACTORY SHOP DRAWINGS FOR EACH TYPE PRIOR TO ORDER.
9) ALL THE SWITCHES IN THE CORRIDOR SHALL BE KEYED TYPE SWITCHES.

ADVANCE LIGHTING CONTROL SEQUENCE OF OPERATION

ROOM TYPE	SEQUENCE OF OPERATION
CLASSROOMS, SENSORY ROOM	1) OCCUPANCY OPERATION IS IN VACANCY MODE (MANUAL ON/AUTO OFF) 2) OCCUPANCY SENSORS TO TURN ON THE LIGHTS TO 50% INTENSITY WHEN OCCUPANCY IS SENSED. 3) LIGHTS TO AUTOMATICALLY TURN OFF THE LIGHTS AFTER 20 MINS OF SENSE OF VACANCY. 4) MANUAL ON/OFF RAISE/LOWER USING DIMMING SWITCHES. 5) SWITCH PRIORITY LEFT AT PERMANENT SO LIGHTS WILL MANUAL ON WHERE LIGHT LEVELS WERE LEFT AT BY END USER. 6) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924
RESTROOMS	1) OCCUPANCY OPERATION IS IN VACANCY MODE (MANUAL ON/AUTO OFF) 2) OCCUPANCY SENSORS TO TURN ON THE LIGHTS TO 50% INTENSITY WHEN OCCUPANCY IS SENSED. 3) LIGHTS TO AUTOMATICALLY TURN OFF THE LIGHTS AFTER 20 MINS OF SENSE OF VACANCY. 4) MANUAL ON/OFF RAISE/LOWER USING LOW KEYED SWITCHES. 5) SWITCH PRIORITY LEFT AT PERMANENT SO LIGHTS WILL MANUAL ON WHERE LIGHT LEVELS WERE LEFT AT BY END USER. 6) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924
CORRIDOR	1) OCCUPANCY OPERATION IS IN VACANCY MODE (MANUAL ON/AUTO OFF) 2) OCCUPANCY SENSORS TO TURN ON THE LIGHTS TO 100% INTENSITY WHEN OCCUPANCY IS SENSED. 3) LIGHTS TO AUTOMATICALLY TURN OFF THE LIGHTS AFTER 20 MINS OF SENSE OF VACANCY. 4) MANUAL ON/OFF RAISE/LOWER USING LOW KEYED SWITCHES. 5) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924
STORAGE ROOM	1) OCCUPANCY OPERATION IS IN VACANCY MODE (MANUAL ON/AUTO OFF) 2) OCCUPANCY SENSORS TO TURN ON THE LIGHTS TO 50% INTENSITY WHEN OCCUPANCY IS SENSED. 3) LIGHTS TO AUTOMATICALLY TURN OFF THE LIGHTS AFTER 20 MINS OF SENSE OF VACANCY. 4) MANUAL ON/OFF RAISE/LOWER USING LOW KEYED SWITCHES. 5) SWITCH PRIORITY LEFT AT PERMANENT SO LIGHTS WILL MANUAL ON WHERE LIGHT LEVELS WERE LEFT AT BY END USER. 6) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924
ELECTRICAL ROOM	1) MANUAL ON/OFF CONTROL OF LIGHT IN THE ELECTRICAL ROOM.

ALL ROOMS DIM EVEN IF IT HAS A ON/OFF ONLY SWITCH, TUNE THE LIGHT LEVEL FOR ENERGY SAVING LEVEL.
FACTORY PROGRAMMING AND CALIBRATION OF LIGHTING LEVELS AND CONTROL SEQUENCES
3 MONTH FACTORY FOLLOWUP TRAINING AND TUNING VISIT TO DIAL IN LIGHT LEVELS AND ADDRESS ANY FURTHER CONTROL OPTIONS.
THESE DRAWINGS DO NOT SHOWN ALL REQUIRED PARTS LIKE POWER PACKS/ RELAYS ETC. FOR COMPLETE WORKING SYSTEM, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS PER SPECIFICATION AND GUIDELINE
SHOP DRAWINGS SHALL INCLUDE OCCUPANCY AND DAYLIGHT ZONE COVERAGE MAPS TO VERIFY PROPER OPERATION. CONTRACTOR SHALL BE REPONSIBLE FOR COMPLETE WORKING SYSTEM TO MEET IECC 2018 AND PART EVEN ITS NOT SHOWN IN THESE DRAWINGS.

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REV	DESCRIPTION	DATE
1	ADDENDUM #2	10/21/2022
	ISSUE FOR BID	09/28/2022
	ISSUE FOR OWNER REVIEW	09/14/2022
	ISSUE FOR DESIGN DEVELOPMENT	08/10/2022

D99 TRANSITION CENTER ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

FIRST FLOOR LIGHTING PLAN

Project Number:
220081
Drawn By:
E.P.
Sheet:
E3.01

DISTRIBUTION PANEL: MDPA

LOCATION: ELEC 16
MAIN DEVICE: 800 A MCB
BUS AMPS: 800 AMPS
VOLTAGE: 240/120 High Leg V. 3 ø 4 W.
A.I.C.... 65,000 AMPS SYMMETRICAL
SPECIAL: NEW DIST. PANEL WITH B PHASE HIGH LEG.

SECTION No. 1

CKT	POLES	BKR	KVA	DESCRIPTION/NAMEPLATE	NOTES
MDPA:1	3	400 A	41.0 kVA	MDP	
MDPA:2	3	45 A	12.9 kVA	RTU-2	
MDPA:3	3	50 A	15.8 kVA	RTU-1	
MDPA:4	3	20 A	3.3 kVA	CUH-1	
MDPA:5	2	200 A	15.5 kVA	RP-3	
MDPA:6	2	200 A	21.1 kVA	RP-3B	
MDPA:7					
MDPA:8					
MDPA:9					
MDPA:10					
MDPA:11					
MDPA:12					
MDPA:13					
MDPA:14					
MDPA:15					
MDPA:16					
MDPA:17					
MDPA:18					
MDPA:19					
MDPA:20					
MDPA:21					
MDPA:22					
MDPA:23					
MDPA:24					
MDPA:25					
MDPA:26					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
HVAC	29332 VA	100.00%	29332 VA		
Lighting	6671 VA	100.00%	6671 VA		
Other	700 VA	100.00%	700 VA		
Power	45799 VA	100.00%	45799 VA		
RCPT	22860 VA	71.87%	16430 VA	**CONN. LOAD:**	109600 VA
LITES	20 VA	125.00%	25 VA	**EST. DEMAND LOAD:**	103175 VA
				CONN. CURRENT:	264 A
				EST. DEMAND...	248 A

NOTES:

PANELBOARD: RP-3

LOCATION: ELEC 16
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 200 A MLO
BUS AMPS: 225 AMPS
VOLTAGE: 120/240 Single V. 1 ø 3 W.
A.I.C. RATING: 22,000 AMPS SYMMETRICAL
SPECIAL: NEW PANEL

LOAD DESCRIPTION	BKR	P	CKT	PHASE A kVA		PHASE C kVA		CKT	P	BKR	LOAD DESCRIPTION
CORRIDOR 2 - RCPTS	20 A	1	RP-3:1	1.1	0.7			RP-3:2	1	20 A	RM 4 - RCPTS
RM 3 - RCPTS	20 A	1	RP-3:3			0.5	1.1	RP-3:4	1	20 A	RM 6 - RCPTS
RM 3 - COPIER	20 A	1	RP-3:5	0.2	1.1			RP-3:6	1	20 A	RM 7 - RCPTS
RM 5 - RCPTS	20 A	1	RP-3:7			0.7	0.5	RP-3:8	1	20 A	RM 7 - RCPTS
RM 15 - RCPTS	20 A	1	RP-3:9	0.4	1.1			RP-3:10	1	20 A	RM 8 - RCPTS
RM 15 - TREADMILL RCPT	20 A	1	RP-3:11			0.2	0.5	RP-3:12	1	20 A	RM 8 - RCPTS
RM 15 - BIKE RCPT	20 A	1	RP-3:13	0.2	0.2			RP-3:14	1	20 A	ELEC RM 16 - RCPT
TOILET RM 12, 13, 14 - RCPTS	20 A	1	RP-3:15			0.5	0.4	RP-3:16	1	20 A	EWC - RCPTS
RM 9 - RCPTS	20 A	1	RP-3:17	0.5	0.2			RP-3:18	1	20 A	DISHWASHER
RM 9 - RCPTS	20 A	1	RP-3:19			0.9	0.2	RP-3:20	1	20 A	DISHWASHER
RM 9 - RCPT	20 A	1	RP-3:21	0.2	0.2			RP-3:22	1	20 A	(GFCI) REFRIGERATOR
(GFCI) KITCHEN - RCPT	20 A	1	RP-3:23			0.2	0.2	RP-3:24	1	20 A	(GFCI) REFRIGERATOR
(GFCI) KITCHEN - RCPT	20 A	1	RP-3:25	0.2	0.2			RP-3:26	1	20 A	(GFCI) RANGE/OVEN
(GFCI) KITCHEN - RCPTS	20 A	1	RP-3:27			0.4	0.2	RP-3:28	1	20 A	(GFCI) RANGE/OVEN
ROOFTOP RCPTS	20 A	1	RP-3:29	0.4	0.2			RP-3:30	1	20 A	(LOCK) TOILET 12 - HAND DRYER
(GFCI) MICROWAVE	20 A	1	RP-3:31			0.2	0.2	RP-3:32	1	20 A	(LOCK) TOILET 13 - HAND DRYER
(GFCI) MICROWAVE	20 A	1	RP-3:33	0.2	0.2			RP-3:34	1	20 A	(LOCK) TOILET 14 - HAND DRYER
(GFCI) KITCHEN - ISLAND RCPTS	20 A	1	RP-3:35			0.5	0.0	RP-3:36	1	20 A	VESTIBULE DOORS
RM 17 - RCPTS	20 A	1	RP-3:37	0.9	0.0			RP-3:38	1	20 A	Spare
Spare	20 A	1	RP-3:39			0.0	0.0	RP-3:40	1	20 A	Spare
Spare	20 A	1	RP-3:41	0.0	0.0			RP-3:42	1	20 A	Spare
			TOTAL LOAD:	8 kVA		7 kVA					
			TOTAL AMPS:	68 A		62 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
Other	540 VA	100.00%	540 VA		
RCPT	14940 VA	83.47%	12470 VA	**CONNECTED LOAD:**	15480 VA
				ESTIMATED DEMAND:	13010 VA
				CONNECTED CURRENT:	65 A
				EST. DEMAND CURRENT:	54 A

NOTES:
GFCI - REPRESENTS GFCI TYPE CIRCUIT BREAKER. LOCK - REPRESENTS LOCK TYPE BREAKER.

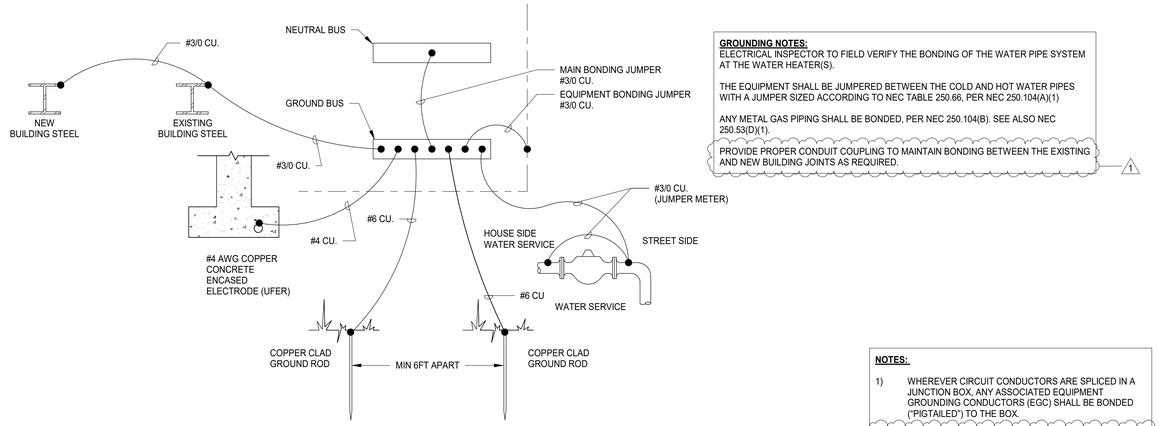
PANELBOARD: RP-3B

LOCATION: ELEC 16
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 200 A MLO
BUS AMPS: 225 AMPS
VOLTAGE: 120/240 Single V. 1 ø 3 W.
A.I.C. RATING: 22,000 AMPS SYMMETRICAL
SPECIAL: NEW PANEL

LOAD DESCRIPTION	BKR	P	CKT	PHASE A kVA		PHASE C kVA		CKT	P	BKR	LOAD DESCRIPTION
PARKING LOT LIGHTS	20 A	1	RP-3B:1	0.6	0.4			RP-3B:2	1	20 A	EXTERIOR LIGHTING
RM 9 LIGHTING	20 A	1	RP-3B:3			0.5	1.0	RP-3B:4	1	20 A	RM 10 LIGHTING
RM 11 - 17 LIGHTING	20 A	1	RP-3B:5	0.6	0.4			RP-3B:6	1	20 A	RM 3 - 6 LIGHTING
RM 8 - LIGHTING	20 A	1	RP-3B:7			0.6	0.6	RP-3B:8	1	20 A	RM 7 - LIGHTING
CORR 2 - LIGHTING	20 A	1	RP-3B:9	0.8	0.1			RP-3B:10	1	20 A	RM 16 LIGHTING
EF-2	20 A	1	RP-3B:11			0.3	0.5	RP-3B:12	1	20 A	EF-1
VAV-3	20 A	2	RP-3B:13	0.8	0.5			RP-3B:14	2	20 A	VAV-4
			RP-3B:15			0.8	0.5	RP-3B:16			
VAV-5	20 A	2	RP-3B:17	0.8	1.0			RP-3B:18	2	20 A	VAV-6
			RP-3B:19			0.8	1.0	RP-3B:20			
VAV-7	20 A	2	RP-3B:21	1.5	1.5			RP-3B:22	2	20 A	VAV-8
			RP-3B:23			1.5	1.5	RP-3B:24			
VAV-15	20 A	2	RP-3B:25	0.5	0.2			RP-3B:26	1	20 A	(GFCI) WASHER
			RP-3B:27			0.5	0.2	RP-3B:28	1	20 A	(GFCI) WASHER
(GFCI) ELECTRIC DRYER	50 A	2	RP-3B:29	0.2	0.2			RP-3B:30	2	50 A	(GFCI) ELECTRIC DRYER
			RP-3B:31			0.2	0.2	RP-3B:32			
EXIT SIGNS	20 A	1	RP-3B:33	0.0	0.9			RP-3B:34	1	20 A	EXTERIOR RCPTS
Spare	20 A	1	RP-3B:35			0.0	0.0	RP-3B:36	1	20 A	Spare
Spare	20 A	1	RP-3B:37	0.0	0.0			RP-3B:38	1	20 A	Spare
Spare	20 A	1	RP-3B:39			0.0	0.0	RP-3B:40	1	20 A	Spare
Spare	20 A	1	RP-3B:41	0.0	0.0			RP-3B:42	1	20 A	Spare
			TOTAL LOAD:	11 kVA		10 kVA					
			TOTAL AMPS:	90 A		86 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
Lighting	5326 VA	100.00%	5326 VA		
Other	50 VA	100.00%	50 VA	**CONNECTED LOAD:**	21149 VA
Power	13792 VA	100.00%	13792 VA	**ESTIMATED DEMAND:**	21154 VA
RCPT	1980 VA	100.00%	1980 VA	**CONNECTED CURRENT:**	88 A
LITES	20 VA	125.00%	25 VA	**EST. DEMAND CURRENT:**	88 A

NOTES:
GFCI - REPRESENTS GFCI TYPE CIRCUIT BREAKER.



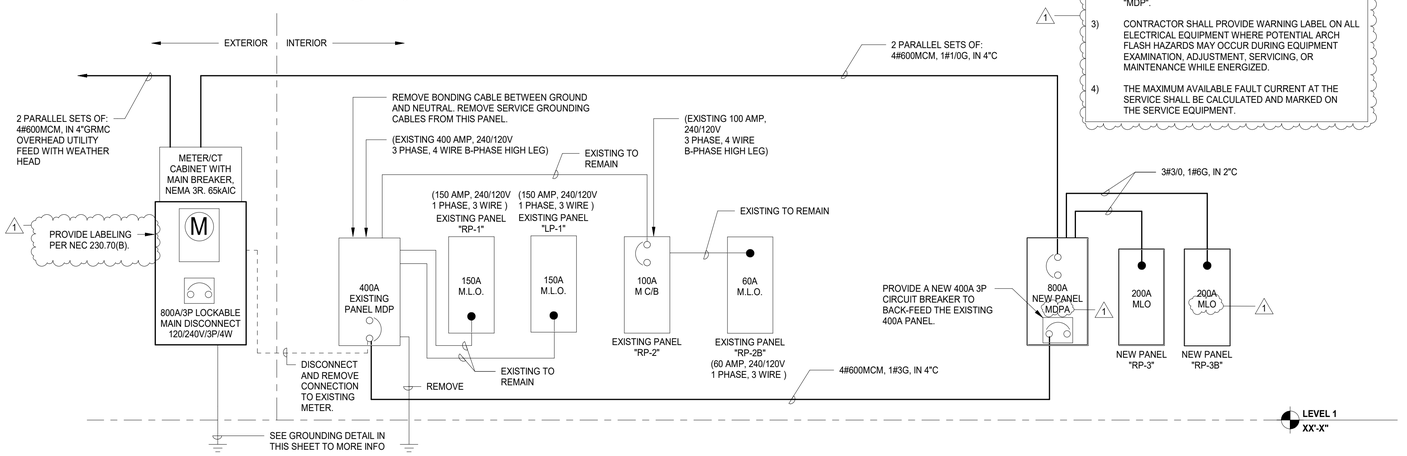
GROUNDING NOTES:
ELECTRICAL INSPECTOR TO FIELD VERIFY THE BONDING OF THE WATER PIPE SYSTEM AT THE WATER HEATER(S).

THE EQUIPMENT SHALL BE JUMPERED BETWEEN THE COLD AND HOT WATER PIPES WITH A JUMPER SIZED ACCORDING TO NEC TABLE 250.66, PER NEC 250.104(A)(1)

ANY METAL GAS PIPING SHALL BE BONDED, PER NEC 250.104(B). SEE ALSO NEC 250.53(D)(1).

PROVIDE PROPER CONDUIT COUPLING TO MAINTAIN BONDING BETWEEN THE EXISTING AND NEW BUILDING JOINTS AS REQUIRED. (1)

1 GROUNDING DETAIL
N.T.S.



NOTES:

1) WHEREVER CIRCUIT CONDUCTORS ARE SPLICED IN A JUNCTION BOX, ANY ASSOCIATED EQUIPMENT GROUNDING CONDUCTORS (EGC) SHALL BE BONDED ("PIGTAILED") TO THE BOX.

2) PROVIDE LABELING "DANGER - HIGH LEG B PHASE" TO THE NEW SERVICE DISCONNECT ENCLOSURE, NEW DISTRIBUTION PANEL "MDPA", AND EXISTING PANEL "MDP".

3) CONTRACTOR SHALL PROVIDE WARNING LABEL ON ALL ELECTRICAL EQUIPMENT WHERE POTENTIAL ARC FLASH HAZARDS MAY OCCUR DURING EQUIPMENT EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED.

4) THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SERVICE SHALL BE CALCULATED AND MARKED ON THE SERVICE EQUIPMENT.

3 ELECTRICAL RISER DIAGRAM
N.T.S.

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REV	DESCRIPTION	DATE
1	ADDENDUM #2	10/21/2022
	ISSUE FOR BID	09/28/2022
	ISSUE FOR OWNER REVIEW	09/14/2022
	ISSUE FOR DESIGN DEVELOPMENT	08/10/2022

D99 TRANSITION CENTER ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

ELECTRICAL SCHEDULES AND RISER DIAGRAM

Project Number:
220081
Drawn By:
E.P.
Sheet:

E4.01

ELECTRICAL DEMOLITION LEGEND

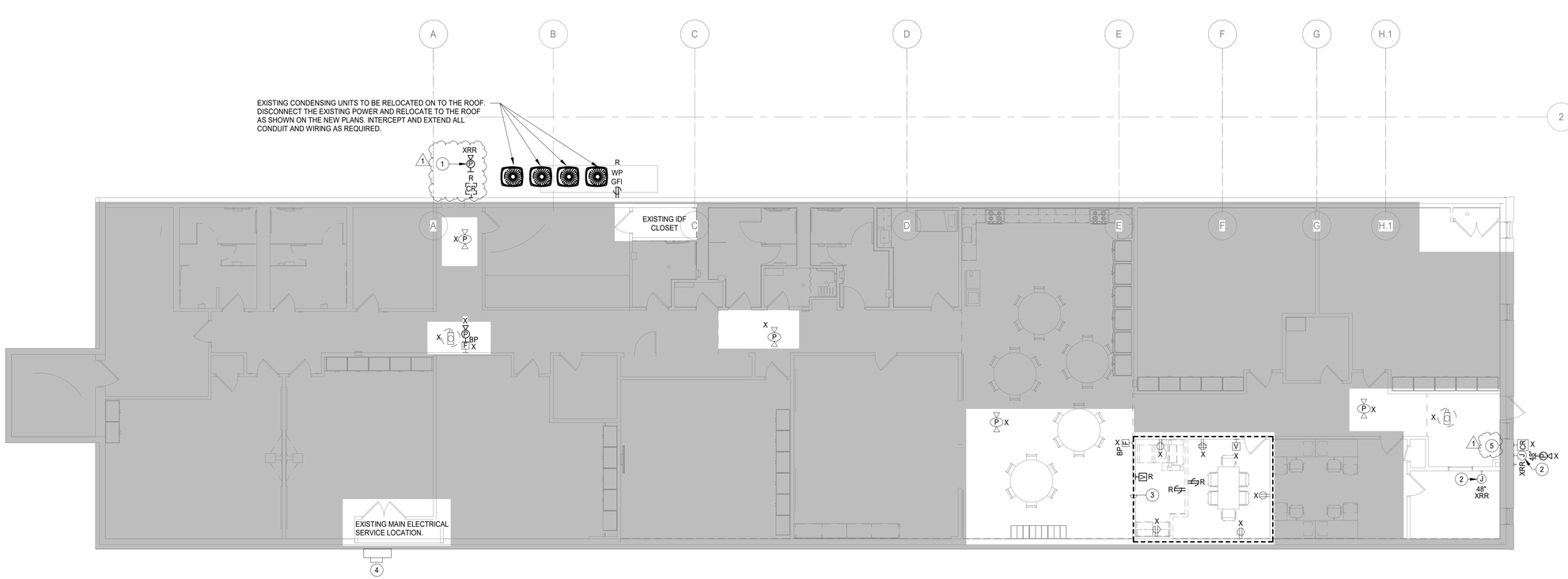
"X"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO REMAIN.
"XRR"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED AND RELOCATED TO NEW LOCATION AS SHOWN IN NEW PLANS.
"XRN"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET RELOCATED (NEW LOCATION).
"XR"	EXISTING ELECTRICAL EQUIPMENT REMOVED AND RE-INSTALLED IN SAME LOCATION
"R"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED.
"XC"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE REMOVED AND NEW EQUIPMENT TO BE INSTALLED IN ITS PLACE AS REQUIRED.
"XO"	NEW ELECTRICAL EQUIPMENT INSTALLED OVER EXISTING LOCATION.
"XA"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE ABANDONED.
"XM"	EXISTING ELECTRICAL EQUIPMENT OR OUTLET TO BE MODIFIED.
"XW"	EXISTING ELECTRICAL EQUIPMENT TO BE REWIRED.

KEY NOTES

#	
1	EXISTING BLUEPOINT STROBE TO BE RELOCATED. REFER TO THE NEW PLANS FOR THE NEW LOCATION.
2	EXISTING INTERCOM SYSTEM AND DOOR BUZZER TO BE RELOCATED. REFER TO THE NEW PLANS FOR THE NEW LOCATION.
3	DASHED LINE REPRESENTS SCOPE OF WORK FOR ALTERNATE BID.
4	APPROXIMATE LOCATION OF EXISTING METER AND CT CABINET TO BE REMOVED. SEE RISER DIAGRAM FOR MORE INFORMATION.
5	LOCATION OF EXISTING FIRE ALARM CONTROL PANEL BY EDWARDS. EST SERIES. TO BE REMOVED AND REPLACED WITH A NEW FIRE ALARM CONTROL PANEL PER THE NEW PLANS.

ELECTRICAL DEMOLITION PLAN GENERAL NOTES

1. THESE NOTES APPLICABLE TO ALL DEMOLITION PLANS
2. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
3. ALL INDICATED ELECTRICAL EQUIPMENT, FIXTURES, DEVICES AND RELATED CONDUIT AND WIRING TO BE REMOVED UNLESS NOTED OTHERWISE.
4. DEMOLITION OF THE ELECTRICAL SYSTEM AS NOTED ON THE DEMOLITION DRAWINGS, SHALL BE COORDINATE WITH THE RENOVATION REQUIREMENTS TO DETERMINE THIS CONTRACTOR'S WORK.
5. IT IS THE INTENT OF THE ELECTRICAL DEMOLITION DRAWING(S) TO INDICATE AREAS IN WHICH ELECTRICAL EQUIPMENT, CONDUIT, LIGHTING FIXTURES, DEVICES, ETC. NEED TO BE REMOVED, RELOCATED, OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION PLAN IS FOR REFERENCE PURPOSES ONLY AND IT IS NOT INTENDED TO BE THE SOLE SOURCE OF EXISTING CONDITIONS.
6. THIS CONTRACTOR SHALL VISIT THE BUILDING, BEFORE SUBMITTING HIS BID, TO VERIFY THE EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK.
7. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE ELECTRICAL DEMOLITION REQUIRED TO ACCOMMODATE THE RENOVATION. REMOVE AS REQUIRED ALL LIGHTING FIXTURES, RECEPTACLES, EQUIPMENT, DEVICES, ETC. PULL OUT ALL UNUSED CONDUCTORS AND CABLES AND REMOVE ALL ABANDONED CONDUIT. ELECTRICALLY DISCONNECT AIR HANDLING UNITS, ELECTRIC WATER HEATERS, AND OTHER SUCH EQUIPMENT FOR REMOVAL BY OTHERS.
8. REFER TO MECHANICAL AND PLUMBING DEMOLITION DRAWINGS FOR ALL MECHANICAL EQUIPMENT THAT IS TO BE ELECTRICALLY DISCONNECTED OR REMOVED.
9. WHERE EXISTING CEILINGS TO BE REPLACED IN AREAS, EXISTING LIGHTING TO BE REMOVED, OTHER CEILING MOUNTED ELECTRICAL DEVICES TO BE REMOVED AND REINSTALLED IN NEW CEILING WHERE AFFECTED BY NEW WORK.
10. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.
11. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/ DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
12. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
13. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).
14. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.
15. THE OWNER SHALL HAVE FULL SALVAGE RIGHTS OVER ANY ELECTRICAL DEVICES THAT ARE SCHEDULED TO BE DEMOLISHED. COORDINATE WITH OWNER REPRESENTATIVE SELECTIVE SALVAGEABLE MATERIALS (SUCH AS GENERATOR, HEADEND EQUIPMENT, LIGHT FIXTURES, ETC.) SHALL BE TURNED OVER TO OWNER. DISPOSABLE AND AMONG OTHER GARBAGE MATERIALS SHALL BE REMOVED FROM SITE.
16. ALL EXISTING SECURITY EQUIPMENT SHOWN TO BE REMOVED SHALL BE REMOVED, PROTECTED FROM DAMAGE, AND TURNED OVER TO THE OWNER.
17. DEMOLITION CONSTRUCTION DOCUMENTS INDICATE THE OVERALL AREAS OF DEMOLITION WORK, HOWEVER, INCIDENTAL ASSOCIATED WORK MAY NOT BE SHOWN BUT MAY BE REQUIRED TO COMPLETE NEW WORK. CONTRACTOR IS TO INCLUDE ALL DEMOLITION WORK NECESSARY TO INSTALL THE SCOPE OF THE NEW WORK.



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

N

DISTRICT 99

COMMUNITY HIGH SCHOOL DISTRICT 99

Wight

Wight & Company
wightco.com
2500 North Frontage Road
Darien, IL 60561
P 630.969.7000
F 630.969.7979

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE
1	ADDENDUM #2	10/21/2022
	ISSUE FOR BID	09/28/2022
	ISSUE FOR OWNER REVIEW	09/14/2022
	ISSUE FOR DESIGN DEVELOPMENT	08/10/2022

D99 TRANSITION CENTER ADDITION

4232 VENARD ROAD
DOWNERS GROVE, IL 60516

FIRST FLOOR POWER DEMOLITION PLAN

Project Number:
220081
Drawn By:
Author
Sheet:

ED2.01