McHenry County College
2024 RENOVATIONS - BID PACKAGE 1

8900 NORTHWEST HWY #14
CRYSTAL LAKE, IL 60012

DKA PROJECT NO: 24-031
MCC BID NO: IFB#08202024

ISSUED FOR BID - NOT FOR CONSTRUCTION
7/24/2024
DEMO GENERAL NOTES:

- REMOVE ALL CEILING SYSTEMS IN THEIR ENTIRETY, INCLUDING TILE, GRID, SUSPENSION WIRING, RETURN AIR GRILLE TO REMAIN
- REMOVE EXISTING SUPPLY AIR GRILLE AND RETURN AIR GRILLE TO REMAIN
- REMOVE EXISTING CEILING MOUNTED TRACK, SUPPORT, GRID SYSTEM AND ALL ASSOCIATED PIPING, DUCT, SUSPENSION WIRING
- REMOVE EXISTING FIRE EXTINGUISHER
- REMOVE ELECTRICAL / TECHNOLOGY DEVICES AND ALL ASSOCIATED MONITOR MOUNTS, SECONDARY SUPPORTING STRUCTURE, AND SUPPORT ENCLOSURES
- REMOVE EXISTING RADIANT HEATING TILE SYSTEM
- REMOVE EXISTING CARPET, BACKER, TRANSITIONS, RESILIENT BASE AND ALL ADHESIVES
- REMOVE EXISTING POWER / DATA VERTICAL UTILITY CHASE, INCLUDING ALL WIRING AND PIPING
- REMOVE EXISTING CMU WALL
- REMOVE ALL DOOR STOPS AT ASSOCIATED DOORS TO BE DEMOLISHED
- REMOVE ALL CEILING LINES, FITTINGS, ACCESSORIES, supportive partitions, structural supports, wiring, and structure above ceiling.
- REMOVE ALL CONSTRUCTION DEBRIS AND EXCESS MATERIAL IS TO BE REMOVED BY THE CONTRACTOR AT THE END OF THE PROJECT.
- WORK SHALL NOT BE RESUMED EXCEPT BY WRITTEN AUTHORIZATION OR AGREEMENT.
- NO REMEDY WHICH IS NOT SPECIFICALLY EXCLUDED IN THE CONTRACT DOCUMENTS IS TO BE CONSTRUED AS AN ALL ENCOMPASSING REMEDY FOR THE SERVICES OF A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE WHERE THE PROJECT IS LOCATED- TO DESIGN AND PREPARE DETAILED DRAWINGS.
- REMOVE ALL DOOR FRAMES AND ANY OTHER MISCELLANEOUS EQUIPMENT NOT REQUIRED FOR THE NEW FACILITY.
- NOTIFY ARCHITECT OF COMPLETE DEMOLITION/CONSTRUCTION WORK. REPAIR, PATCH AND FINISH EXISTING FLOORS, WALLS AND CEILINGS DESIGNATED TO REMAIN FOR NEW WORK.
- REMOVE EXISTING POWER PANELS COMPLETE, INCLUDING ALL WIRING AND ELECTRICAL ACCESSORIES. PATCH AND PREP EXISTING WALL AS REQUIRED FOR NEW WORK.
- REMOVE EXISTING CEILING MOUNTED SHELVING COMPLETE. PATCH AND PREP EXISTING WALL AS REQUIRED FOR NEW WORK.
- REMOVE ALL CEILING MOUNTED SHELVING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
- REMOVE EXISTING CMU PARTITION COMPLETE. PROTECT THROUGHOUT CONSTRUCTION.
- REMOVE MULTI-MONITOR SUSPENSION SYSTEM COMPLETE, INCLUDING ALL ASSOCIATED MOUNTING ACCESSORIES COMPLETE.
- REMOVE EXISTING RADIANT HEATING TILE SYSTEM TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
- REMOVE ALL DOOR STOPS AT ASSOCIATED DOORS TO BE DEMOLISHED.
- REMOVE EXISTING CEILING MOUNTED TRACK, SUPPORT, GRID SYSTEM AND ALL ASSOCIATED PIPING, DUCT, SUSPENSION WIRING, RETURN AIR GRILLE TO REMAIN
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- WORK SHALL NOT BE RESUMED EXCEPT BY WRITTEN AUTHORIZATION OR AGREEMENT.
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- REMOVE MULTI-MONITOR SUSPENSION SYSTEM COMPLETE, INCLUDING ALL ASSOCIATED MOUNTING ACCESSORIES COMPLETE.
- REMOVE EXISTING RADIANT HEATING TILE SYSTEM TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.
M1B. EXISTING COUNTERTOPS, SINKS, AND BASE CABINETS TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.

C1B. EXISTING SUSPENDED CEILING SYSTEM TO REMAIN.

W2. REMOVE GYP / MTL STUD PARTITION TO EXTENTS INDICATED. RELOCATE ANY PIPING OR WIRING ABOVE SHALL BE EXISTING TO REMAIN.

M8. EXISTING PAPER TOWEL DISPENSER TO REMAIN. PROTECT THROUGH CONSTRUCTION.

C7. REMOVE MULTI-MONITOR SUSPENSION SYSTEM COMPLETE, INCLUDING ALL ASSOCIATED MODES WITH THE ORIGINAL SYSTEM.

W7. EXISTING FIRE EXTINGUISHER BE REMOVED AND TURNED OVER TO OWNER.

M9. EXISTING WINDOW SYSTEM TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.

M5. REMOVE GYP END PANEL COMPLETE AT FOLDING PARTITION END.

C3. REMOVE EXISTING SUPPLY DIFFUSERS AND RETURN AIR GRILLES AND SALVAGE FOR REINSTALLATION IN NEW WORK (REFER TO MECH).

M4. REMOVE EXISTING METAL GRILLE, FOLDING PARTITION SYSTEM COMPLETE, INCLUDING ALL ASSOCIATED PIPING, DUCT, UTILITIES, AND ACCESSORIES) COMPLETE. REFER TO MEP DRAWINGS FOR ADDITIONAL SCOPE.

M1A. EXISTING TILES FLUSH WITH EXISTING TO BE REMOVED. SUPPLY AND RETURN GRILLES COMPLETE.

M1A. REMOVE MECHANICAL AND PLUMBING SYSTEM (INCLUDING ALL ASSOCIATED PIPING, DUCT, UTILITIES, AND ACCESSORIES) COMPLETE. REFER TO MEP DRAWINGS FOR ADDITIONAL SCOPE.

C9. REMOVE MULTI-MONITOR SUSPENSION SYSTEM COMPLETE, INCLUDING ALL ASSOCIATED HARDWARE AND RELATED APPURTENANCES CONNECTED WITH THE WORK TO BE REMOVED.

C1A. EXISTING SYSTEM TO REMAIN. PREP WALL / CEILING AS REQUIRED FOR NEW WORK. EXISTING PRIMARY STEEL STRUCTURE AND ANY OTHER MISCELLANEOUS EQUIPMENT NOT REQUIRED FOR THE NEW FACILITY.

C6. REMOVE EXISTING BLINDS COMPLETE. PREP WALL / CEILING AS REQUIRED FOR NEW WORK.

C1B. REMOVE CEILING MOUNTED PROJECTOR - SALVAGE TO OWNER.

F4. NOT USED.

F3B. EXISTING FLOOR FINISH TO REMAIN.

F3. REMOVE CARPET, BACKER, TRANSITIONS, RESILIENT BASE AND ALL ADHESIVES COMPLETE.

C2. REMOVE HOLLOW METAL DOOR AND WINDOW SYSTEM COMPLETE.

W3. REMOVE GYP / MTL STUD PARTITION TO EXTENTS INDICATED. RELOCATE ANY PIPING OR WIRING ABOVE SHALL BE EXISTING TO REMAIN.

W4. REMOVE HOLLOW METAL DOOR AND WINDOW SYSTEM COMPLETE.

W5. REMOVE GYP / MTL STUD PARTITION TO EXTENTS INDICATED. RELOCATE ANY PIPING OR WIRING ABOVE SHALL BE EXISTING TO REMAIN.

W6. EXISTING MARKERBOARD, CORK BOARD, PROJECTOR SCREEN, OR MISC WALL MOUNTED SHELVING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.

C7. EXISTING RADIANT HEATING TILE SYSTEM TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.

W10. REMOVE HANGERS, SUSPENSION SYSTEMS, SUPPORT FRAMING, EQUIPMENT PADS, ANCHORS, ATTACHMENT HARDWARE AND RELATED APPURTENANCES CONNECTED WITH THE WORK TO BE REMOVED.

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DEMO GENERAL NOTES:

10. REMOVE ALL DOOR STOPS AT ASSOCIATED DOORS TO BE DEMOLISHED.

11. RECEPTACLES, ETC. AND FILL VOIDS AS REQUIRED.

12. REMOVE ALL RECESSED FLOOR BOXES, WALKER DUCTS, FLOOR SINKS, HUB DRAINS, ELECTRICAL
PIPING, ETC.

13. SERVICE IN ORDER TO PROVIDE FOR THE TIMELY REMOVAL AND/OR RELOCATION OF EQUIPMENT,
LIGHTING, CONDUIT, WIRING, ETC COMPLETE.

14. REFER TO MECH.

15. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

16. REFER TO ELECTRICAL MOUNTS AND ACCESSORIES COMPLETE. PATCH AND PREP WALL AS REQUIRED
FOR NEW WORK.

17. REMOVE HOLLOW METAL DOOR AND WINDOW SYSTEM COMPLETE.

18. REMOVE GYP / MTL STUD PARTITION TO EXTENTS INDICATED. RELOCATE ANY PIPING OR WIRING
ADJOINING SURFACES OR ORIGIN OF SUPPORT.

19. REMOVE EXISTING CMU WALL TO EXTENTS INDICATED. BRACE EXISTING CMU AS REQUIRED FOR
CONSTRUCTION.

20. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE GENERAL DEMOLITION AND
PLAN. ALL AREAS SURROUNDING EACH PHASE OF DEMOLITION/CONSTRUCTION WILL BE OCCUPIED
THE PROJECT IS LOCATED- TO DESIGN AND PREPARE DETAILED DRAWINGS.

21. PRIOR TO AND DURING ANY DEMOLITION THE CONTRACTOR SHALL VERIFY AND MAINTAIN THE
BUILDING'S STRUCTURAL INTEGRITY.

22. PRIOR TO AND DURING ANY DEMOLITION THE CONTRACTOR SHALL VERIFY AND MAINTAIN THE
EQUIPMENT, LIGHTING, CONDUIT, WIRING, ETC COMPLETE.

23. REFER TO MECH.

24. DURING THE BIDDING PERIOD, EACH BIDDING CONTRACTOR SHALL VISIT THE SITE AND THE
ADJOINING SURFACES OR ORIGIN OF SUPPORT.

25. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AS REQUIRED TO INSTALL ALL NEW
MODES WITH THE ORIGINAL SYSTEM.

DEMO REFERENCED NOTES:

C8. REMOVE SPEAKER AND SALVAGE FOR REINSTALLATION IN NEW WORK (REFER TO ELEC.).

C9. REMOVE MULTI-MONITOR SUSPENSION SYSTEM COMPLETE, INCLUDING ALL ASSOCIATED
AND PREP EXISTING WALL AS REQUIRED FOR NEW WORK. EXISTING PRIMARY STEEL STRUCTURE
CONSTRUCTION.

C5. REMOVE EXISTING SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLE.

C4. REMOVE EXISTING CEILING MOUNTED TRACK, SUPPORT, GRID SYSTEM AND ALL ASSOCIATED
MOUNTING ACCESSORIES COMPLETE. PATCH AND PREP WALL AS REQUIRED FOR NEW WORK.

C2. EXISTING CEILING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION AND TIE INTO NEW
WORK.

C1A. REMOVE EXISTING SUSPENDED CEILING SYSTEM COMPLETE, INCLUDING ALL ACCESSORIES,
AND PREP EXISTING WALL AS REQUIRED FOR NEW WORK. EXISTING PRIMARY STEEL STRUCTURE
CONSTRUCTION.

M6. PROVIDE DUST ENCLOSURE TO EXISTING CEILING. DUST ENCLOSURE TO REMAIN THROUGHOUT
CONSTRUCTION.

M9. EXISTING WINDOW SYSTEM TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.

M1. REMOVE EXISTING METAL GRILLE, FOLDING PARTITION SYSTEM COMPLETE, INCLUDING ALL

M2. EXISTING IT EQUIPMENT TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.

M3. REMOVE EXISTING COUNTERTOPS, SINKS, AND BASE CABINETS TO REMAIN. PROTECT
THROUGHOUT CONSTRUCTION.

M1A. REMOVE EXISTING COUNTERTOPS, SHELVES, BOOKCASES, AND BASE CABINETS COMPLETE.

M1B. EXISTING COUNTERTOPS, SINKS, AND BASE CABINETS TO REMAIN. PROTECT THROUGHOUT
CONSTRUCTION.

W9. REMOVE ELECTRICAL/ TECHNOLOGY DEVICES AND ALL ASSOCIATED MONITOR
EQUIPMENT, LIGHTING, CONDUIT, WIRING, ETC COMPLETE.

W7. REMOVE WALL MOUNTED WIREMOLD / CONDUIT COMPLETE, INCLUDING ALL ASSOCIATED WIRING
MOUNTED SHELVING COMPLETE. PATCH AND PREP EXISTING WALL AS REQUIRED FOR NEW
WORK.

W6. EXISTING MARKERBOARD, CORK BOARD, PROJECTOR SCREEN, OR MISC WALL
MATERIAL TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.

W5. REMOVE EXISTING MARKERBOARD, CORK BOARD, PROJECTOR SCREEN, OR MISC WALL
MATERIAL TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION.

W4. REMOVE HOLLOW METAL DOOR AND WINDOW SYSTEM COMPLETE.

W3. REMOVE DOOR FRAMES COMPLETE. PROTECT THROUGHOUT CONSTRUCTION.

W2. REMOVE GYP / MTL STUD PARTITION TO EXTENTS INDICATED. RELOCATE ANY PIPING OR WIRING
ADJOINING SURFACES OR ORIGIN OF SUPPORT.

W1. REMOVE EXISTING CMU WALL TO EXTENTS INDICATED. BRACE EXISTING CMU AS REQUIRED FOR
CONSTRUCTION.

F5. EXISTING FLOOR BOXES TO REMAIN - PREP COVER AS REQUIRED FOR NEW FINISH INSERT.

F4. NOT USED.
EXISTING CMU WALL TO REMAIN - PATCH AS REQ'D FOR DEMO TYP.

CONT. BACKER ROD AND SEALANT, EACH SIDE

EXISTING 8" CMU WALL

EXISTING GYP. WALL

DOOR AS SCHEDULED

EXISTING CMU TO REMAIN - PATCH AS REQ'D FOR DEMO TYP.

CONT. BACKER ROD AND SEALANT, EACH SIDE

EXISTING COLUMN TO REMAIN

ALIGN 7 3/8"

EXISTING WINDOW TO REMAIN

5/8" GYP BD ON 1-5/8" METAL STUDS

ACOUSTIC BATT INSULATION

WOOD BLOCKING AS REQ'D

EXISTING 2" INSULATED METAL PANEL SYSTEM

5/8" GYP BD EACH SIDE ON 3-5/8" METAL STUD FRAMING

ACOUSTIC BATT INSULATION

EXISTING WALL TO REMAIN

ALIGN

EXISTING BACKER ROD AND SEALANT JOINT AT EXISTING CURTAIN WALL SYSTEM

WOOD BLOCKING AS REQ'D

CONT. BACKER ROD AND SEALANT

EXISTING WINDOW TO REMAIN

5/8" GYP BD EACH SIDE ON 3-5/8" METAL STUDS
PAINT ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS.

PAINT ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO: CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS.

PROVIDE CEMENTITIOUS SELF-LEVELING UNDERLAYMENT AT REMOVAL OF EXISTING FLOOR DRAINS AS REQUIRED TO PROVIDE A LEVEL SUBSTRATE FOR NEW FLOOR FINISH.

ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE. HOLLOW METAL DOORS AND FRAMES TO BE PAINTED PT-3 UNLESS NOTED OTHERWISE.

AT ALL LOCATIONS WHERE EXISTING CASEWORK IS TO REMAIN, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE KICKS UNLESS NOTED OTHERWISE. REFER TO FLOOR PLANS FOR CASEWORK LOCATIONS.

ALL CARPET TILE TO BE INSTALLED ASHLAR UNLESS SPECIFIED OTHERWISE.

ALL LUXURY VINYL TILE TO BE INSTALLED RANDOM STAGGERED UNLESS SPECIFIED OTHERWISE.

### Finish Plan General Notes:

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WALL</td>
<td>BASE</td>
</tr>
<tr>
<td>FLOOR</td>
<td>FINISH</td>
</tr>
</tbody>
</table>

### Finish Plan Referenced Notes:

<table>
<thead>
<tr>
<th>Manufacturer Name/#/Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENDAMIN MOORE 2126-70 CHALK WHITE</td>
<td>GENERAL PAINT</td>
</tr>
<tr>
<td>SHAW BEVEL HEXAGON SIZE: 24.9&quot; H X 28.8&quot; DIA. COLOR: BLACK INSTALL: RANDOM</td>
<td></td>
</tr>
<tr>
<td>JOHNSONITE TBD</td>
<td>LUXURY VINYL TILE LVT-1 SHAW NAME: BRANCHING OUT, SIZE: 6X48, COLOR: TBD, INSTALL: RANDOM STAGGERED</td>
</tr>
<tr>
<td>JOHNSONITE TBD</td>
<td>FLOOR TRANSITION TRANS-2 JOHNSONITE SLT-XX-L, COLOR TBD</td>
</tr>
</tbody>
</table>

### Finish Plan Symbols Legend:

- WALL FINISH TYPE
- WALL BASE TYPE
- FLOOR FINISH TYPE

### Finish Plan - General Notes:

- **Type**: WALL FINISH TYPES
- **Description**: DESCRIPTION
- **Type**: WALL BASE TYPES
- **Description**: DESCRIPTION
- **Type**: FLOOR FINISH TYPES
- **Description**: DESCRIPTION

### Finish Plan - Referenced Notes:

- **Type**: MANUFACTURER NAME/#/COLOR
- **Description**: MANUFACTURER NAME/#/COLOR
1. Paint all exposed conduit, ductwork, piping, etc. in all finished spaces. Refer to interior finish plans and reflected ceiling plans for clarifications.

2. Paint all exposed metal on exterior including, but not limited to: conduit, piping, flashing, mechanical flues and ducts, and hollow metal frames and doors.

3. Provide cementitious self-leveling underlayment at removal of existing floor drains as required to provide a level substrate for new floor finish.

4. All finishes are monumental per room unless noted otherwise.

5. Hollow metal doors and frames to be painted PT-3 unless noted otherwise.

6. At all locations where existing casework is to remain, the subsequent base type specified for each room shall be installed over casework toe kicks unless noted otherwise. Refer to floor plans for casework locations.

7. All carpet tile to be installed ashlar unless specified otherwise.

8. All luxury vinyl tile to be installed random staggered unless specified otherwise.
1. All work shown on drawings shall be considered new and in contract unless specifically indicated otherwise.

2. Drawings are generally diagrammatic. Routing of piping, ductwork, conduits, raceways, etc. as shown encountered during the installation of this work. Each contractor shall make any required changes from the drawings.

3. If needed, the equipment shall be located symmetrically with the architectural elements of the building, notwithstanding the fact that locations indicated of other equipment may be limited for elements of presentation.

4. Contractor shall refer to the architectural and structural contract drawings (before submitting their bids) to familiarize themselves with the extent of the general contractor’s work, ceiling heights and clearance for each layer, as well as structural elements of the building. Contractor shall store all materials and equipment shipped to the site in a protected area. If necessary, contractor shall store equipment as required to be sleeved.

5. The physical size or arrangement of that scheduled and specified, contractor shall pay for all costs for additional work required by other contractors, owner, architect or engineer 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 that dirt and other debris do not contaminate the work. Contractor shall be responsible for all necessary permits and their associated fees.

6. Contractor shall provide warranty for all materials and guarantee all workmanship provided by them on project. Manuals shall be clearly organized and contain copies of approved equipment, shop drawings, equipment parts lists, installation instructions, performance guarantees, etc. to be used for original design or for modifications as required.

7. Accepting work shown on drawings, the architect/engineer shall document the installation to the extent that the work is completed to the specifications. The architect/engineer shall verify all installations in conjunction with the general contractor and all other trade contractors. Contractor shall provide owner training on all equipment and building systems provided/alter ed during construction. If contractor fails to provide product literature, manuals, and/or training manuals for all work provided by them on project. Manuals shall be clearly organized and contain copies of approved equipment, shop drawings, equipment parts lists, installation instructions, performance guarantees, etc. to be used for original design or for modifications as required.

8. Contractor shall not disturb them and shall contact the architect/engineer immediately.

9. Contractor shall provide sleeves in beams, floors, columns and walls as shown on the drawings, as required to be sleeved.

10. Contractor shall be responsible for all removals and equipment disposed of or removed shall be kept to an absolute minimum as far as time interval is involved and temporary services shall be furnished and installed under this contract where necessary to accomplish this purpose. Temporaries shall be removed by the contractor.

11. Any work called for on the drawings or in the specifications which are not shown on the plans or do not follow standard practices may be performed to the request and approval of the owner, architect or engineer. It is intended that equipment shall be located symmetrically with the architectural elements of the building, notwithstanding the fact that locations indicated of other equipment may be limited for elements of presentation.

12. Work not shown on the drawings or in the specifications includes the removal or installation of piping equipment. All removals shall be reviewed by the architect/engineer. As an exception, all building systems shall be completed and accepted by the architect/engineer prior to the installation of new building systems.

13. Contractor shall be responsible for all necessary permits and their associated fees.

14. Contractor shall be responsible for all removals and equipment disposed of or removed shall be kept to an absolute minimum as far as time interval is involved and temporary services shall be furnished and installed under this contract where necessary to accomplish this purpose. Temporaries shall be removed by the contractor.

15. Contractor shall provide owner training on all equipment and building systems provided/alter ed during construction. If contractor fails to provide product literature, manuals, and/or training manuals for all work provided by them on project. Manuals shall be clearly organized and contain copies of approved equipment, shop drawings, equipment parts lists, installation instructions, performance guarantees, etc. to be used for original design or for modifications as required.

16. Work shown on the drawings or in the specifications which are not shown on the plans or do not follow standard practices may be performed to the request and approval of the owner, architect or engineer. It is intended that equipment shall be located symmetrically with the architectural elements of the building, notwithstanding the fact that locations indicated of other equipment may be limited for elements of presentation.

17. Contractor shall provide owner training on all equipment and building systems provided/alter ed during construction. If contractor fails to provide product literature, manuals, and/or training manuals for all work provided by them on project. Manuals shall be clearly organized and contain copies of approved equipment, shop drawings, equipment parts lists, installation instructions, performance guarantees, etc. to be used for original design or for modifications as required.

18. Contractor shall be responsible for all removals and equipment disposed of or removed shall be kept to an absolute minimum as far as time interval is involved and temporary services shall be furnished and installed under this contract where necessary to accomplish this purpose. Temporaries shall be removed by the contractor.

19. Contractor shall provide owner training on all equipment and building systems provided/alter ed during construction. If contractor fails to provide product literature, manuals, and/or training manuals for all work provided by them on project. Manuals shall be clearly organized and contain copies of approved equipment, shop drawings, equipment parts lists, installation instructions, performance guarantees, etc. to be used for original design or for modifications as required.
**BIDDING NOTE:**

PRIOR TO ANY WORK PERFORMED OR SYSTEM MODIFICATIONS, MEASURE EXISTING SUPPLY/RETURN/EXHAUST AIR FLOW RATES AT EACH EXISTING DIFFUSER/REGISTER/GRILLE WITHIN AREA OF WORK. MEASURE AIRFLOW RATE AT SUPPLY AND RETURN MAIN DUCTWORK AT EQUIPMENT PRIOR TO ANY TAKEOFFS. PROVIDE REPORT TO ENGINEER INDICATING EXISTING AIR FLOW RATES MEASURED, AND INCLUDE A MAP INDICATING WHERE EACH READING WAS TAKEN. INCLUDE IN REPORT ANY DUCTWORK OR SYSTEM DEFICIENCIES IDENTIFIED DURING EXISTING SYSTEM AIR FLOW TESTING.

**DRAWING NOTES:**

1. **EXISTING THERMOSTAT TO REMAIN.**

2. **CAREFULLY REMOVE EXISTING THERMOSTAT INCLUDING ASSOCIATED CONDUIT, WIRING, PNEUMATIC TUBING, ETC. LOCATED ABOVE ANY ACCESSIBLE CEILING BETWEEN THERMOSTAT AND THE UNIT IT CONTROLS. INSTALL AT NEW LOCATION AS INDICATED ON NEW WORK PLANS. PROVIDE BLANK COVER PLATE OVER ALL ABANDONED JUNCTION BOXES IN WALLS THAT ARE TO REMAIN.

3. **REMOVE ALL DUCTWORK, DIFFUSERS, REGISTERS, HANGERS, INSULATION, ETC. SHOWN DASHED AND CAP ANY UNUSED OPENING AT MAIN.**

4. **EXISTING DUCTWORK, DIFFUSERS, REGISTERS, AND GRILLES TO REMAIN.**

5. **EXISTING HVAC EQUIPMENT TO REMAIN.**

6. **SUPPORT EXISTING DIFFUSERS, REGISTERS, AND ASSOCIATED DUCTWORK AS REQUIRED TO ACCOMMODATE LIGHTING AND CEILING WORK THIS AREA. MODIFY/EXTEND DUCTWORK AS REQUIRED TO REINSTALL EXISTING DIFFUSER IN CEILING.**

7. **NEW CONNECTION TO BE MADE AT THIS LOCATION. REMOVE ALL DUCTWORK, DIFFUSERS, REGISTERS, HANGERS, INSULATION, ETC. SHOWN DASHED BEYOND THIS POINT.**

8. **EXISTING PIPING AND VALVING TO REMAIN.**

9. **REMOVE ALL DUCTWORK, DIFFUSERS, REGISTERS, HANGERS, INSULATION, ETC. SHOWN DASHED.
DRAWING NOTES

1. CAREFULLY REMOVE EXISTING THERMOSTAT INCLUDING ASSOCIATED CONDUIT, WIRING, PNEUMATIC TUBING, ETC. LOCATED ABOVE ANY ACCESSIBLE CEILING BETWEEN THERMOSTAT AND THE UNIT IT CONTROLS. INSTALL AT NEW LOCATION AS INDICATED ON NEW WORK PLANS. PROVIDE BLANK COVER PLATE OVER ALL ABANDONED CONDUITS IN WALLS THAT ARE TO REMAIN.

2. EXISTING HVAC EQUIPMENT TO REMAIN.

3. EXISTING DUCTWORK, DIFFUSERS, REGISTERS, AND GRILLES TO REMAIN.

4. REMOVE ALL DUCTWORK, DIFFUSERS, REGISTERS, HANGERS, INSULATION, ETC. SHOWN DASHED.

5. BALANCE EXISTING DIFFUSER TO AIRFLOW RATE MEASURED PRIOR TO SYSTEM MODIFICATIONS.

6. BALANCE EXISTING HVAC EQUIPMENT TO AIRFLOW RATE INDICATED.

7. NEW CONNECTION TO BE MADE AT THIS LOCATION. REMOVE ALL EXISTING, UNTERMINED, AND UNTERMINATED CONDUIT, HANGERS, INSULATION, ETC. SHOWN DASHED.

8. NEW LOCATION OF EXISTING THERMOSTAT. MODIFY/EXTEND CONDUIT, WIRING, PNEUMATIC TUBING, ETC. BETWEEN THERMOSTAT AND THE UNIT IT CONTROLS.

9. MAKE NEW CONNECTION TO EXISTING DUCTWORK AT THIS LOCATION.

10. PROVIDE TRANSFER DUCT ABOVE CEILING OF SIZE INDICATED.
NEW DATA CABLES LOCATED IN THE NORTH EAST CORNER WILL TERMINATE AT EXISTING PATCH PANELS IN THE IDF ROOM.

NEW DATA CABLES LOCATED IN THE NORTH EAST CORNER WILL TERMINATE AT EXISTING PATCH PANELS IN THE IDF ROOM.

"RP-3" (EX) "RP-1" (EX) "S/G" (EX)
GENERAL DEMOLITION NOTE:
CAREFULLY DISCONNECT, REMOVE AND TURN OVER REMOVED LOW VOLTAGE DEVICE/EQUIPMENT INCLUDING, BUT NOT LIMITED TO, WIRELESS POINTS, SECURITY CAMERAS, SPECIALTY LIGHTING, AUDIO/VIDEO EQUIPMENT, AUDIO/VIDEO RACK, CARD READERS, ETC. TO OWNER'S REPRESENTATIVE.

ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
125 N. HALSTED STREET, SUITE 301
CHICAGO, IL 60661
P: 312.496.0000

KEY PLAN:

McHenry County College
2024 RENOVATIONS - BID PACKAGE 1
9900 NORTHWEST HWY HWY #14
CRYSTAL LAKE, IL 60012

2024 RENOVATIONS - BID PACKAGE 1
DKA PROJECT NO: 24-031

DRAWING NOTES:
1 CAREFULLY DISCONNECT, REMOVE AND TURN OVER REMOVED AUDIO/VIDEO DEVICE, AND AUDIO/VIDEO EQUIPMENT TO OWNER'S REPRESENTATIVE.
GENERAL ELECTRICAL NOTES:

2. All demolition of the electrical system as noted on the demolition drawings shall be coordinated with the renovation offsets, bends or changes in elevation due to coordination with the work of other trades and building construction. All clock, voice, and data cabling. Any penetrations through walls and floors shall be properly sealed and treated to allow for proper functionality of downstream receptacles/data outlets/devices/equipment.

3. The sequence for the installation of all work shall be coordinated between all contractors on the project and in strict accordance with the site superintendent and owner.

5. For branch circuits and feeders, contractor shall notify engineer for approval prior to performing any work.

6. All removed equipment shall become the property of the contractor and shall be removed from the site. Where work called for on the drawings or in the specifications involves the removal of fluorescent lamps containing mercury or other hazardous materials, Contractor shall coordinate the removal of such equipment with the local authority having jurisdiction. Contractor shall notify the Authority Having Jurisdiction prior to disconnecting electrical equipment to allow for proper sealing of the opening. Any hazardous waste that is generated during the installation of new electrical equipment shall be properly sealed and disposed of in accordance with OSHA and EPA regulations for hazardous waste.

9. Contractor shall install all auxiliary supporting steel as required for the supporting of their conduit, equipment, etc. All conduit shall be supported by hangers. Support hangers shall be used to support conduit of 1-1/2" or larger at every 10 feet. All conduit smaller than 1-1/2" shall be supported by one hanger at every 5 feet.

11. All existing circuits to remain are interrupted by demolition or new construction, contractor shall be responsible for the functionality of downstream receptacles/data outlets/devices/equipment.

13. Branch wiring to luminaires where applicable. All lighting branch circuits shall terminate at 20A Disconnecting Means. The minimum wire size shall be #12 AWG. The minimum conduit size for homers shall be 3/4”. 1/2” conduit is acceptable for branch wiring back to last active device or junction box and a blank cover plate installed.

16. Provide #2#12, 1#12G. in 3/4”C. from each BAS controller to a new 20A Disconnecting Means. Refer to mechanical plans for exact locations of thermostats/carbon dioxide detectors. Provide single gang backbox and provisions to install electrical switchgear as required.

23. The minimum size of all raceways and conduits shall be equal to the associated back wire size. Refer to NEC 344.26 such that there shall not be more than 4 active circuits in any 3/4” conduit.

24. Contractor shall ensure any existing raceway system does not damage new conductors/cables. Contractor shall be fully responsible for the protection of new electrical equipment and the coordination between the existing raceway and new electrical equipment.

25. Contractor shall not disturb existing devices, if possible. Contractor shall check and verify for continuing operation of these devices prior to substantia completion.

26. If any existing circuits to remain are interrupted by demolition or new construction, contractor shall be responsible for the functionality of downstream receptacles/data outlets/devices/equipment.

27. The associated back wire size must be taken into consideration when specifying raceway size. The associated back wire size shall not be less than the equivalent of four quarter bends (360 degree total) between pull points.

28. Contractor shall verify that all existing devices are operational at all times. The occupied area of the building shall not be left unprotected at any time. If an interruption of fire alarm system is required to facilitate device installation, provide 48 hours notice of this requirement to the building's management, and contractor shall coordinate with the authority having jurisdiction to make modifications to the fire alarm system.

34. In areas of the building where new drywall or plaster ceiling is scheduled to be installed, any existing junction boxes and raceways shall be removed and reinstalled in a new location.

36. Where existing device is removed from wall with no new device going back at same location, provide blank brushed stainless steel cover plates as required. Cover plates shall be of proper size and installed flush with wall.

40. During construction, all patching, repairing and refinishing work shall be performed by those regularly involved in that trade. Areas affected to install their work properly and without delay. No drywall, floor covering or wall covering repairs by the contractor, with the exception of an interior 6" x 6" patch.

45. The contractor shall coordinate with the local Terry Hughes and Warrington Electric for the installation of new electrical equipment. Cost and delay in completion of the project, the contractor shall be solely responsible for the installation of new electrical equipment.

46. All existing equipment shall be restored to the proper location. Any work caused on the branches for the specifications includes the removal of fluorescent lamps containing mercury, or other hazardous materials.

47. Any penetrations through walls and floors shall be properly sealed and treated to allow for proper functionality of downstream receptacles/data outlets/devices/equipment.

48. The contractor shall be responsible for the protection of new electrical equipment and the coordination between the existing raceway and new electrical equipment.

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**CLASSROOMS A/V SCHEMATIC DIAGRAM**

**WIRE LEGEND**
- HDMI
- USB
- PATCH CORD
- AUDIO CABLE

**STANDARD CLASSROOM A/V EQUIPMENT**

**ITEM**
- A/V Outlet Detail
- Instructor System
- Wall Plate

**DESCRIPTION**
- HDMI Outlet
- USB Outlet
- Patch Cord
- Audio Cable

**CONTRACTOR FURNISH, INSTALL**
- Standard Classroom A/V Equipment

**NOTES**
1. All Low Voltage Cables shall be Plenum-rated.
2. "OFE" denotes Owner Furnished Equipment.

**AIO DESKTOP (OFE)**
- Cables2Go #40881

**AMPLIFIER (OFE)**
- Kramer #VS-611DT

**SWITCH (OFE)**
- 120VAC.

**DOCUMENT CAMERA (OFE)**
- Kramer #TP-780RXR

**HDBaseT Receiver (OFE)**

**PROJECTOR SCREEN (DALITE MODEL B)**

**DESKTOP AIO COMPUTER**

**PROJECTOR (EPSON 530)**

**A/V AMPLIFIER (CABLES2GO #40881)**

**A/V SWITCHER (KRAMER 611DT)**

**INSTRUCTOR STATION**

**CONTRACTOR SHALL PROVIDE PROJECTOR MOUNTING POLE AS REQUIRED TO FACILITATE PROJECTOR MOUNTING HEIGHT OF 9’-0” A.F.F.**

**DATA: CATEGORY 6A JACKS, GREEN IN COLOR**

**CABLE STUBBED INTO ACCESSIBLE CEILING SPACE.**

**1 1/4” CONDUIT WITH CABLE STUBBED INTO ACCESSIBLE CEILING SPACE**

**ELECTRICAL DETAILS**

**ISSUED FOR BID - NOT FOR CONSTRUCTION**

**DATE: 7/24/2024**

**ARCHITECT OF RECORD**
- DKA PROJECT NO:

**McHenry County College**
- 8900 Northwest Hwy #14
- Crystal Lake, IL 60012

**20/10 ENGINEERING GROUP, LLC**
- 1216 Tower Road
- Schaumburg, IL 60173

**PHOTOGRAPHIC INFORMATION**
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- F: 847.882.2201

**E6.20**