

**SECTION 00 90 01
BIDDING AND CONTRACT REQUIREMENTS
ADDENDUM NUMBER (5)**

**Demonica Kemper Associates
100 Harrison Street
Peoria, IL 61602
309.282.0170**

To: Prospective Bidders

Issued: April 30th, 2024

Re: ADDENDUM NUMBER (5) TO THE BIDDING DOCUMENTS FOR

**Peoria Park District
Golf Entertainment Facility Renovation an Addition
Architect's Project Number: 22-051**

This addendum forms a part of the bidding and contract documents and modifies the original bidding documents dated April 9, 2024. Acknowledge receipt of this addendum in the space provided on Bid Form. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

IMPORTANT:

TO ENSURE ENOUGH TIME FOR ALL BID QUESTIONS TO BE ANSWERED, AND ALL ANSWERS TO BE REVIEWED BEFORE THE MAY 7TH, 1:00PM DEADLINE, ALL QUESTIONS MUST BE SUBMITTED IN WRITING NO LATER THAN END OF DAY, MAY 1ST. ALL QUESTIONS WILL BE ANSWERD BY END OF DAY FRIDAY, MAY 3RD.

THANK YOU

ADDENDA TO THE PROJECT MANUAL

ATTACHMENT E - DCEO Grant Requirements, Business Enterprise Program for Minorities, Females, and Persons with Disabilities Act ("BEP") (30 ILCS 575/0.01 et seq.): Add "ONLY BEP certified contractors/suppliers will count toward the goal if they perform a commercially useful function toward the work. A firm is considered to perform a commercially useful function when it is responsible for the execution of a distinct element of the work under the Grant Agreement and carries out its responsibilities by performing, managing, and supervising the work involved. The certified vendor must also be responsible, with respect to materials or supplies used on the project, for negotiating price, determining quality and quantity, ordering the materials or supplies, and installing the materials (where applicable) and paying for the materials or supplies. To determine whether a firm is performing a commercially useful function, DCEO shall evaluate the amount of work subcontracted, whether the amount the firm is to be paid under this utilization plan is commensurate with the work it is performing, and the credit claimed for its performance of the work, industry practices, and other relevant factors.

A certified vendor does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction through which funds are passed in order to obtain certified vendor participation. In determining whether a certified vendor is such an extra participant, DCEO shall examine similar transactions, particularly those in which the certified vendors do not participate, and industry practices."

1. Section 22 0719 – Plumbing Piping Insulation
 - a. Remove item b from section 3.9.C.1 which states “All storm pipe and fittings on the second floor.”
2. Section 23 8126 – Split System Air Conditioners
 - a. Add the following to the list of acceptable manufactures:
 - 1) Samsung
3. Section 23 3116 – Non Metal Ductwork
 - a. Revise subsection 3.5 Duct Schedule to be the following:
 - 1) Minimum Panel thickness shall now be 1-3/4” (45MM)
 - 2) Minimum Insulation Value: shall now be R12
4. Add the following specification section: 23 3117 Outdoor Ductwork. (EnduraDuct)

ADDENDA TO THE DRAWINGS

ARCHITECTURAL

1. AD1.11 – FIRST FLOOR DEMOLITION PLAN
 - a. An extra dimension has been added for clarification of demolished openings on the north end of the building.
2. A4.02 – CLUBHOUSE ELEVATION
 - a. NOTE (and graphic) clarifying the masonry infill is to match existing adjacent.
3. A11.01 – FINISH PLANS
 - a. Finishes added in the corridor between public corridor and kitchen.

PLUMBING

1. Drawing P1.01 – First Floor Plan – Clubhouse – Plumbing
 - a. Reworked gas piping to have all the kitchen equipment beneath the hood on their own branch.
 - b. Added a 120V normally closed solenoid valve to the branch piping for gas fired kitchen equipment below the hood.

ELECTRICAL

1. Drawing E1.03 – FIRST FLOOR PLAN – CLUBHOUSE – NEW SYSTEMS
 - b. Revise audio/visual fire alarm device location from middle of corridor 104 into Private Event 102.
 - c. Add visual only notification device in Storage/Office 105.
 - d. Revised drawings to remove access controls from door 104A and door 109A.
 - e. Added access controls for doors 105A and 108B.
 - f. Revise keyed note #15 clarifying door access control requirements for door 108B.
 - g. Revise keyed note #16 clarifying door access control requirements for door 105A.
4. Drawing E1.12 – FIRST FLOOR PLAN – RANGE BAYS – POWER
 - a. Revise keyed note #4 to have E.C. furnish and install ceiling fans in hitting bays. Final selections shall be coordinated and approved by the architect prior to release.
5. Drawing E1.22 – SECOND FLOOR PLAN – RANGE BAYS – POWER
 - a. Revise keyed note #4 to have E.C. furnish and install ceiling fans in hitting bays. Final selections shall be coordinated and approved by the architect prior to release.
6. **5.** Drawing E2.0 – ONE-LINE DIAGRAMS AND DISTRIBUTION DETAILS
 - a. Revise equipment connection schedule to remove circuits for EF-113 and EF-204 as they will be circuited to a portion of the local lighting circuit.
7. Drawing E4.1 – TELECOMM. RISER, SCHEDULE, AND NOTES
 - a. Revise Telephone and Data Equipment Schedule to remove reference to OSF projects and standards.
8. Drawings E4.2 – LIGHTING AND CONTROLS SCHEDULE AND DETAILS

CLARIFICATIONS – ALL ANSWERS TO CONTRACTOR QUESTIONS BELOW IN RED

ARCHITECTURAL

1. The material list only shows one carpet material, but the rooms on the Finish Plan call out both a CPT-1 and a CPT-2. Are there two types of carpet on the job, and if so what is the other carpet material and which is CPT-1/CPT-2?

Carpet 2 will be owner provided- the golf simulators will have some type of carpet/ turf like material that is different from the rest of the room. Use existing subfloor for this space.

2. There is what appears to be a corridor between Corridor 104 and Kitchen 108 without a material listed. Does this area get new flooring, and if so is it meant to be LVT-1 like Corridor 104 or QT-1 like Kitchen 108?

LVT-1 Flooring, Rubber base, FRP on the walls. – see revised finish plan (will have on the addendum)

3. It is unclear from the drawings how far Concourse 112 and Concourse 201 extend. In addition to the main areas with the stairs, restrooms, and server rooms, there are two corridor-esque areas that extend toward the restaurant, as well as separate areas to the other side that almost appear to be behind a wall. How far does the concrete flooring extend on the concourses?

The overall dimensions are shown on sheets A1.12, and A1.22.

For the distance between the existing and concourse, refer to Code sheet G1.01, and G1.02 for separation between the buildings.

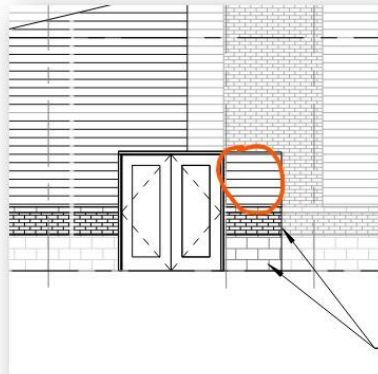
4. There is a note on the first floor that the second floor finishes are similar to the first floor, seemingly because the second floor does not have a finish plan. Concourse 201, Ball Elevator 203, Restroom 204, and Server 205 all have matching rooms on the first floor, but IT/Elec 202 does not. There is IT/Electric 110, but it is not located in the same area and the Finish Plan indicates it receives no new flooring. What flooring/base does IT/Elec 202 receive?

Concrete flooring, Rubber Base, and Paint #3.

5. Where the new openings are getting cut in, do you want factory finished ends on the first three courses of Franklin Stone? Or can the end of stone at the door jamb be a cut end?

a. We will need to match the field conditions of existing openings.

6. On elevation drawing 1/A4.02, where we are cutting in a new double door and infilling an existing single door. The infill to be with siding, is correct?



a. The infill will be masonry to match existing. This has been revised on the attached elevation sheet A4.02

This addendum consists of (4) pages, excluding attachments.

END 009001.

Attachments:

22 0719 – Plumbing Piping Insulation
23 8126 – Split System Air Conditioners
23 3116 – Non Metal Ductwork
23 3117 Outdoor Ductwork. (EnduraDuct)

A11.01 – FINISH PLANS

P1.01 – First Floor Plan – Clubhouse – Plumbing

E1.03 – FIRST FLOOR PLAN – CLUBHOUSE – NEW SYSTEMS
E1.12 – FIRST FLOOR PLAN – RANGE BAYS – POWER
E1.22 – SECOND FLOOR PLAN – RANGE BAYS – POWER
E2.0 – ONE-LINE DIAGRAMS AND DISTRIBUTION DETAILS
E4.1 – TELECOMM. RISER, SCHEDULE, AND NOTES
E4.2 – LIGHTING AND CONTROLS SCHEDULE AND DETAILS



ADDENDUM # : 05

DATE ISSUED : April 30, 2024

ADDENDUM

Attention : Arron Elmore
Demonica Kemper Architects
100 Harrison St.
Peoria, IL 61602

Subject : Addendum #5
To The Bid Documents For:
PPD - Golf Learning Center
7815 Radnor Rd.
Peoria, IL 61615

General Comments

1. All above ground storm piping in the project is to be insulated.
2. EnduraDuct specified below had been added to the project specifications. See below. Its intent is to be an alternative to ThermaDuct as specified in the Non-Metal Duct Specification. It is up to the contractor to determine which product they would like to use for the exterior ductwork. Both products are acceptable as exterior ductwork.

Specifications

1. Section 22 0719 – Plumbing Piping Insulation
 - a. Remove item b from section 3.9.C.1 which states “All storm pipe and fittings on the second floor.”
2. Section 23 8126 – Split System Air Conditioners
 - a. Add the following to the list of acceptable manufactures:
 - 1) Samsung
3. Section 23 3116 – Non Metal Ductwork
 - a. Revise subsection 3.5 Duct Schedule to be the following:
 - 1) Minimum Panel thickness shall now be 1-3/4” (45MM)
 - 2) Minimum Insulation Value: shall now be R12
4. Add the following specification section: 23 3117 Outdoor Ductwork. (EnduraDuct)

Drawings

1. Drawing P1.01 – First Floor Plan – Clubhouse – Plumbing

- a. Reworked gas piping to have all the kitchen equipment beneath the hood on their own branch.
 - b. Added a 120V normally closed solenoid valve to the branch piping for gas fired kitchen equipment below the hood.
2. Drawing E1.03 – FIRST FLOOR PLAN – CLUBHOUSE – NEW SYSTEMS
- a. Revise audio/visual fire alarm device location from middle of corridor 104 into Private Event 102.
 - b. Add visual only notification device in Storage/Office 105.
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 - d. Added access controls for doors 105A and 108B.
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6. Drawing E4.1 – TELECOMM. RISER, SCHEDULE, AND NOTES
- a. Revise Telephone and Data Equipment Schedule to remove reference to OSF projects and standards.
7. Drawings E4.2 – LIGHTING AND CONTROLS SCHEDULE AND DETAILS
- a. Revise Luminaire Schedule fixture type 'A' approved Lithonia fixture from a 2'x2' CPANL to a 2'x2' CPX flat panel.
 - b. Revise Luminaire Schedule to add approved alternates to fixture types 'M' and 'P'.

Attachments

Specification Section: 23 3117

Drawings: P1.01, E1.03, E1.12, E1.22, E2.0, E4.1, E4.2



Signature

Alan Mowry
Electrical Designer
Printed Name & Title

SECTION 23 31 17 OUTDOOR DUCTWORK (ENDURADUCT)

PART 1 – GENERAL

1.1 SUMMARY

A. Section includes:

1. EnduraDuct, ducts and fittings by EnduraDuct, LLC.

1.2 SUBMITTALS

A. Product data: For each type of product indicated.

B. Shop drawings: Fabrication, assembly, and installation, including plans, elevations, sections, components, and attachments to other work including.

1. Duct layout indicating sizes and pressure classes.
2. Elevation of top of ducts.
3. Dimensions of main duct runs from building grid lines.
4. Fittings.
5. Penetrations through fire-rated and other partitions.
6. Location and size of access panels.
7. Follow EnduraDuct's Duct Design Guide for Duct Construction specification and limitations.

C. Coordination Drawings: Plans, drawn to scale, showing coordination general construction, building components, and other building services.

1.3 QUALITY ASSURANCE

A. Installer Qualifications:

1. EnduraDuct can be installed by competent trained and certified field mechanics who demonstrate competence in the HVAC industry.

1.4 SPECIFICATION COMPLIANCE

A. SMACNA Air Duct Leakage Class Test Manual for the pressure classes listed on the drawings.

B. SMACNA Duct Construction Standards – Metal and Flexible, Latest Edition.

C. Comply with NFPA 90A, Installations of Air Conditioning and Ventilating Systems

- D. Comply with NFPA 90B, Installation of Warm Air Heating and Air Conditioning Systems.
- E. NFPA 255, Standard Method of Test and Surface Burning Characteristics of Building Materials.
- F. EnduraDuct high R-Value weatherproof covering shall incorporate the following specifications.
- a) *IBC Class A rating, weather barrier.*
 - b) *NFPA 90A for Outdoors*
 - c) *ASTM D2240 Shore D Hardness ≥ 50*
 - d) *ASTM D624 Tear Strength ≥ 450 pli*
 - e) *ASTM D412 Tensile Strength ≥ 1800 psi*
 - f) *ASTM D412 Elongation $\geq 250\%$*
 - g) *Insulation Minimum Value R12.29*
 - h) *Minimum 40 mils thickness exterior shell with minimum 2 inches insulation as weather barrier assembly.*
 - i) *Washable, mold and mildew resistant.*
 - j) *No interior clips or penetrating screws.*
 - k) *UL-94 V-0, 5VA*
 - l) *Standard White color (custom colors available)*
 - m) *Individual ducts and fittings to have ZERO exterior seams.*

1.5 PRODUCT DELIVERY AND STORAGE

- A. Prevent objectionable aesthetic damage, tears, scratches, etc. to the outer surface of duct segments and fittings during transport, storage and installation.
- B. Store duct segments under cover and protect from excessive moisture prior to installation. Store indoors and protect from damage.

PART 2 – PRODUCTS

2.1 ENDURADUCT RETANGULAR DUCT AND FITTINGS

A. Product:

1) ENDURADUCT

- B. The Interior shall be standard METAL ductwork, manufactured per SMACNA standards and job specific pressure classes. The interior “duct” metal thickness and forming shall meet the latest SMACNA standards. The sheet metal duct shall have a full

METAL interior and shall be constructed with a Pittsburgh Sealed Longitudinal seam with a SMACNA standard TDC/TDF joint connection. No internal caulking of seams is allowed, no screw penetrations are allowed, longitudinal seam sealant shall be limited to the Pittsburgh pocket or the exterior of seams. No screw penetrations of the duct are allowed. A smooth non-turbulent metal interior is required.

- 1) Duct Connections.
 - a) Longitudinal – SMACNA standard sealed Pittsburgh seam
 - b) Joint – SMACNA standard TDC/TDF
- 2) TDC/TDF Flange Field coverings
 - a) Flanges are field connected and sealed airtight before flange covers are installed. Flange covering consists of the following:
 - (i) Factory cut insulation insert
 - i. Insulation inserts glued with double sided VHB tape, to provide fully enclosed insulation over flanges with the same R-Value as the rest of the duct system.
 - ii. Insulation Inserts to be factory cut and routed to fit specified field joints.
 - (ii) Aluminum weather barrier field joint covers
 - i. 8" wide, 25 Gauge aluminum final covers to be provided pre-manufactured to fit specified field joints.
 - ii. Covers to be installed and sealed in accordance with EnduraDuct Installation guidelines and approved screws and sealants.
 - (iii) Only approved bonding and sealing agents and tapes shall be utilized. See submittal for approved products and installation guide for detailed bonding, sealing and construction standards.
- 3) Unacceptable Features
 - a) Non SMACNA standard metal duct interior
 - b) Foil Faced interior
 - c) Excessive structural reinforcement, over and above SMACNA Standard Metal Duct Construction Guidelines.
 - d) Foam Duct or Ductboard
 - e) R-Values less than R-12.29
 - f) Interior longitudinal flange sealant.
 - g) Screw penetrations into ductwork as primary means of duct construction.
 - h) Phenolic Foams of any kind.

PART 3 – EXECUTION

3.1 SHOP FABRICATION

A. Certification:

- 1) Ducts shall be manufactured by EnduraDuct, LLC.

B. Fabrication:

- 1) All Fabricated joints, seams, transitions, reinforcement, elbows, branch connections, access doors and panels, and damage repairs shall be conducted according to manufacturer's written and detailed instructions.
- 2) SMACNA Standard Metal Duct interior is required.
- 3) All ducts and fittings to be fabricated per SMACNA HVAC Duct Construction Standards (latest edition).
- 4) All Duct Fittings shall include at minimum 8 inches of straight connecting material, as measured, from last bend line to the end of the duct.
- 5) No Internal sealants or caulks allowed, with the exception of the Pittsburg pocket.
- 6) No Screw penetrations into the ductwork allowed for flanges and supports.
- 7) Smooth, non-turbulent metal interior required.

3.2 DUCT INSTALLATION

A. Duct segments shall be installed by competent HVAC installers.

B. Install ducts and fittings to comply with manufacturer's installation instructions as follows:

- 1) Install ducts per SMACNA Standards and ASHRAE recommendations.
- 2) Protect duct interiors from moisture, construction debris and dust, and other foreign materials. Comply with SMACNA's "Duct Cleanliness for New Construction Guidelines."
- 3) Use prescribed duct support spacing as described in SMACNA Standard Duct Construction Standards.
- 4) Seal joints with approved sealants only.
- 5) Seal watertight

C. Comply with SMACNA Air Duct Leakage Class Test Manual for the pressure classes listed on the drawings.

D. Field connections shall follow EnduraDuct field connections installation manual and utilize only approved hardware, sealants and caulks.

3.3 HANGER AND SUPPORT INSTALLATION

A. Contractor to ensure that the ductwork system is properly and adequately supported with NON-PENETRATING SMACNA approved hangers and supports.

- 1) Ensure that the chosen method is compatible with the specific ductwork system requirements per EnduraDuct installation detail drawings.
2. Install upper attachments to structures. Select and size upper attachments with pull-out, tension, and shear capacities appropriate for supported loads and building materials where used.

B. Supports on straight runs of ductwork shall be positioned at centers not exceeding SMACNA standards for duct sections.

C. Ductwork shall be supported at changes of direction, at branch duct connections, tee fittings, parallel under turning vanes and all duct accessories such as dampers, etc.

D. The load of such accessories to the ductwork shall be neutralized by the accessory support.

3.4 FIELD QUALITY CONTROL

A. Inspection: As required arrange for manufacturer's representative to inspect completed installation and provide written report that installation complies with manufacturer's written instructions.

1. Remove and replace or repair duct system where inspection indicates that it does not comply with specified requirements.

B. Perform additional testing and inspection, at the Contractor's expense, to determine compliance of replaced or additional work with specified requirements.

C. Inspect joints sealant quarterly to maintain good quality seals.

D. Follow EnduraDuct installation guidelines including maintenance requirements.

3.5 DUCT SCHEDULE

A. Outdoor Ducts and Fittings:

1. EnduraDuct Rectangular Ducts and Fittings
- OR
2. See Non-Metal Duct Specification section 23 3116



ARCHITECT OF RECORD
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 100 HARRISON STREET
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STRUCTURAL ENGINEER
RLG CONSULTING ENGINEERS
 412 SW WASHINGTON STREET
 PEORIA, IL - 61602
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MEP FIRE PROTECTION
KEITH ENGINEERING DESIGN
 707 NE JEFFERSON AVENUE
 PEORIA, IL - 61603
 T: 309.938.4005

CIVIL ENGINEER
AUSTIN ENGINEERING, CO INC.
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 SUITE 215 PEORIA, IL - 61602
 T: 309.204.0694

**PEORIA PARK DISTRICT
 GOLF ENTERTAINMENT FACILITY
 ADDITION AND RENOVATION**
 7815 N. RADNOR ROAD, PEORIA ILLINOIS 61615
 DKA PROJECT NO: 22-051

KEY PLAN:

SHEET STATUS: APRIL 9, 2024
**BIDDING AND PERMIT
 SET**

NO.	DESCRIPTION:	DATE:
5	ADDENDUM 5	04.30.24

SHEET TITLE:
DEMOLITION PLANS

SHEET NUMBER:
AD1.11

DEMOLITION FLOOR PLAN SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- [Symbol] GYPSUM BOARD OR PLASTER PARTITION TO BE REMOVED
- [Symbol] CMU PARTITION TO BE REMOVED
- [Symbol] FRAME AND DOOR TO BE REMOVED, SALVAGE HARDWARE TO OWNER
- [Symbol] PORTION OF BRICK TO BE REMOVED
- [Symbol] PORTION OF SIDING TO BE REMOVED
- [Symbol] PORTION OF BLOCK BASE TO BE REMOVED
- [Symbol] PORTION OF CONCRETE SLAB TO BE REMOVED FOR UNDERGROUND UTILITIES; REFER TO MEP DRAWINGS

DEMOLITION GENERAL NOTES:

- PRIOR TO AND DURING ANY DEMOLITION THE CONTRACTOR SHALL VERIFY AND MAINTAIN THE BUILDING'S STRUCTURAL INTEGRITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AS REQUIRED TO INSTALL ALL NEW WORK. REPAIR, PATCH AND FINISH EXISTING FLOORS, WALLS AND CEILING DESIGNATED TO REMAIN TO MATCH EXISTING CONDITIONS.
- REMOVE ALL HANGERS, SUSPENSION SYSTEMS, SUPPORT FRAMING, EQUIPMENT PADS, ANCHORS, ATTACHMENT HARDWARE AND RELATED APPURTENANCES CONNECTED WITH THE WORK TO BE DEMOLISHED. IF COMPLETE REMOVAL IS NOT POSSIBLE, CUT DEVICES AS CLOSE AS POSSIBLE TO ADJOINING SURFACES OR ORIGIN OF SUPPORT.
- DURING THE BIDDING PERIOD, EACH BIDDING CONTRACTOR SHALL VISIT THE SITE AND THE FACILITY TO DETERMINE EXISTING CONDITIONS. CONTRACTOR'S FAILURE TO REASONABLY DETERMINE AND ANTICIPATE THE EFFECT OF EXISTING CONDITIONS AND THE WORK INVOLVED THEREBY SHALL NOT BE JUSTIFICATION FOR ADDITIONAL COMPENSATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- ALL MATERIALS, EQUIPMENT, FIXTURES, SYSTEMS, AND ACCESSORIES WHICH ARE TO REMAIN IN SERVICE SHALL BE CLEANED, REPAIRED, ADJUSTED AND PLACED INTO PROPER OPERATIONS IN ALL MODES WITH THE ORIGINAL SYSTEM.
- WHEN TEMPORARY SHORING AND BRACING IS REQUIRED, CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A PROFESSIONAL ENGINEER, LICENSED TO PRACTICE IN THE STATE WHERE THE PROJECT IS LOCATED, TO DESIGN AND PREPARE DETAILED DRAWINGS.
- CONTRACTOR SHALL COORDINATE SCHEDULE OF DEMOLITION WORK WITH THE OVERALL PHASING PLAN. ALL AREAS SURROUNDING EACH PHASE OF DEMOLITION/CONSTRUCTION WILL BE OCCUPIED BY THE OWNER DURING THE OWNER'S NORMAL BUSINESS HOURS. DEMOLITION WORK SHALL NOT ENCUMBER THE USE OF EXISTING ADJACENT SPACES.
- EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE GENERAL DEMOLITION AND REMODELING WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS IN SERVICE IN ORDER TO PROVIDE FOR THE TIMELY REMOVAL AND/OR RELOCATION OF EQUIPMENT, PIPING, ETC.
- REMOVE ALL ABANDONED CONDUIT BOXES, CONDUCTORS, TELEPHONE LINES, ELECTRIC PANELS, AND ANY OTHER MISCELLANEOUS EQUIPMENT NOT REQUIRED FOR THE NEW FACILITY.
- REMOVE ALL RECESSED FLOOR BOXES, WALKER DUCTS, FLOOR SINKS, HUB DRAINS, ELECTRICAL RECEPTACLES, ETC. AND FILL VOIDS AS REQUIRED.
- REMOVE ALL DOOR STOPS AT ASSOCIATED DOORS TO BE DEMOLISHED.
- NO TOXIC SUBSTANCES HAVE BEEN NOTED ON THE SITE. SHOULD THE CONTRACTOR ENCOUNTER ANY ASBESTOS, ASBESTOS PRODUCTS, PCBs OR OTHER TOXIC SUBSTANCES, THE CONTRACTOR SHOULD REPORT THIS IMMEDIATELY TO THE OWNER IN WRITING PRIOR TO CONTINUING WORK IN THIS AREA. WORK SHALL NOT BE RESUMED EXCEPT BY WRITTEN AUTHORIZATION OR AGREEMENT.
- ALL CONSTRUCTION DEBRIS AND EXCESS MATERIAL IS TO BE REMOVED BY THE CONTRACTOR AT THE END OF EACH WORK DAY. THE JOB SITE IS TO BE LEFT SUFFICIENTLY CLEAN AS TO WARRANT OWNER'S APPROVAL.
- REMOVE ALL CEILING SYSTEMS IN THEIR ENTIRETY, INCLUDING TILE, GRID, SUSPENSION WIRING, ANCHORS AND ALL ASSOCIATED APPURTENANCES.

DEMOLITION REFERENCED NOTES:

- REMOVE PORTION OF EXTERIOR WALL OR INTERIOR PARTITION. PATCH ADJACENT AFFECTED CONSTRUCTION AS REQUIRED FOR NEW FINISH OR CONSTRUCTION. REMOVE OR GRIND SMOOTH FOUNDATIONS AS REQUIRED FOR NEW CONSTRUCTION. PROVIDE TEMPORARY BRACING AS REQUIRED FOR NEW CONSTRUCTION. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- REMOVE BUILT IN RECEPTION COUNTER IN ITS ENTIRETY. PATCH ADJACENT AFFECTED CONSTRUCTION AS REQUIRED FOR NEW FINISH OR CONSTRUCTION.
- CUT CONCRETE FLOOR AS REQUIRED FOR NEW PLUMBING AND ELECTRICAL SERVICE. REFER TO PLUMBING AND ELECTRICAL DEMOLITION PLANS FOR PLUMBING AND ELECTRICAL LOCATIONS.
- REMOVE WINDOW IN ITS ENTIRETY. PATCH ADJACENT AFFECTED CONSTRUCTION AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE STONE VENEER. PREP SUBSTRATE FOR NEW SIDING MATERIAL.
- REMOVE PLUMBING FIXTURES AND ALL ACCESSORIES, CAP OR PREPARE UNDERGROUND PIPING FOR NEW CONSTRUCTION. REFER TO PLUMBING DRAWINGS.
- REMOVE TILE FLOORING. PREP EXISTING SUBSTRATE FOR NEW FLOORING.
- REMOVE CARPET AND CARPET PAD. PREP EXISTING SUBSTRATE FOR NEW FLOORING.
- REMOVE BRICK/STONE FLOORING AROUND FOUNTAIN. PREP EXISTING SUBSTRATE FOR NEW FLOORING.
- REMOVE EXISTING FOUNTAIN. CAP ANY WATER SOURCE AND POWER AS REQUIRED. ABANDON IN PLACE AND TILES SERVING FOUNTAIN.
- REMOVE CASEWORK. PATCH AFFECTED ADJACENT CONSTRUCTION AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE INDOOR PUTTING CONSTRUCTION IN ITS ENTIRETY. REMOVE DOWN TO SUB FLOOR. CONCRETE FLOOR. PATCH, GRIND SMOOTH OR LEVEL EXISTING FLOORING TO PREPARE FOR NEW FLOORING.
- REMOVE EXISTING TV AND CABLE EQUIPMENT (CABLE BOX AND SHELF) AND RETURN TO OWNER. PATCH WALL AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE EXISTING FIRE ALARM PULLS.
- REMOVE EXISTING FIRE EXTINGUISHER CABINETS AND HOOKS. PATCH AND REPAIR AS REQUIRED FOR NEW CONSTRUCTION.
- PROVIDE TEMPORARY SHORING AS REQUIRED FOR PARTIAL DEMOLITION OF BEARING WALL. REFER TO STRUCTURAL DRAWINGS FOR EXACT HEIGHT AND WIDTH FOR WALL DEMOLITION.
- REMOVE EXISTING GUTTER AND DOWNSPOUT ASSEMBLY. PREP ADJACENT AFFECTED CONSTRUCTION FOR NEW CONSTRUCTION.
- REMOVE EXISTING ROOF CANOPY AND EXISTING COLUMNS IN ITS ENTIRETY. REMOVE PORTION OF FOOTINGS AS REQUIRED FOR NEW CONSTRUCTION. PATCH ADJACENT AFFECTED CONSTRUCTION FOR NEW CONSTRUCTION.
- REMOVE CONCRETE SLAB. REFER TO CIVIL DRAWINGS.
- REMOVE FRP PANELS FROM EXISTING WALL. PREP AFFECTED AREA AS REQUIRED FOR NEW FRP INSTALLATION.
- REMOVE WALK-IN COOLER. PREP SPACE AS REQUIRED TO BECOME NEW MECHANICAL SPACE.
- REMOVE TOILET PARTITIONS. PREP FOR NEW TOILET PARTITIONS.
- REMOVE CLEAT CLEANING STATION.
- REMOVE FENCING. REFER TO CIVIL DRAWINGS FOR NEW FENCING.
- MOVE STONE MEMORIAL PLAQUE TO A SAFE LOCATION DURING CONSTRUCTION. COORDINATE WITH OWNER FOR NEW LOCATION.
- REMOVE TEMPORARY HITTING BAY SCREENS.
- REMOVE AND RELOCATE BALL DISPENSING EQUIPMENT. COORDINATE WITH OWNER ON NEW BALL DISPENSER LOCATION.
- REMOVE ADA PUSH BUTTON. CAP ASSOCIATED ELECTRICAL.
- REMOVE AND RELOCATE KNOX BOX. COORDINATE WITH OWNER AND FIRE DEPARTMENT FOR FINAL LOCATION.
- REMOVE TELECOMMUNICATIONS BOX AS REQUIRED FOR NEW VESTIBULE. RELOCATE OUTSIDE OF NEW CONSTRUCTION.
- REMOVE LIGHTING AND HEATING CONTROLS AND ASSOCIATED CONDUITS FROM EXISTING COLUMN. REFER TO ELECTRICAL DEMOLITION.
- REMOVE EXISTING VINYL WALL COVERING. PREP WALL FOR NEW TILE FINISH.
- REMOVE A PORTION OF GYPSUM BOARD FROM EXISTING WALL CONSTRUCTION AS REQUIRED TO INSTALL CONDUIT PIPE FOR SOLA LINES. COORDINATE SIZE OF CONDUIT PIPE AS WELL AS RADIUS OF BENDS WITH OWNERS CONSULTANT.
- REMOVE PORTION OF EXISTING CEILING CONSTRUCTION AS REQUIRED TO INSTALL A NEW PORTION OF SPRINKLER CONNECTED TO EXISTING SPRINKLER LINES (EXISTING SPRINKLER LINES TO REMAIN). NEW PORTION OF SPRINKLER TO SERVICE NEW VESTIBULE ADDITION.
- REMOVE PORTION OF ROOF AS REQUIRED FOR NEW KITCHEN EQUIPMENT VENTILATION SYSTEMS. REFER TO KITCHEN EQUIPMENT AND MECHANICAL DRAWINGS.

DEMOLITION RCP SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

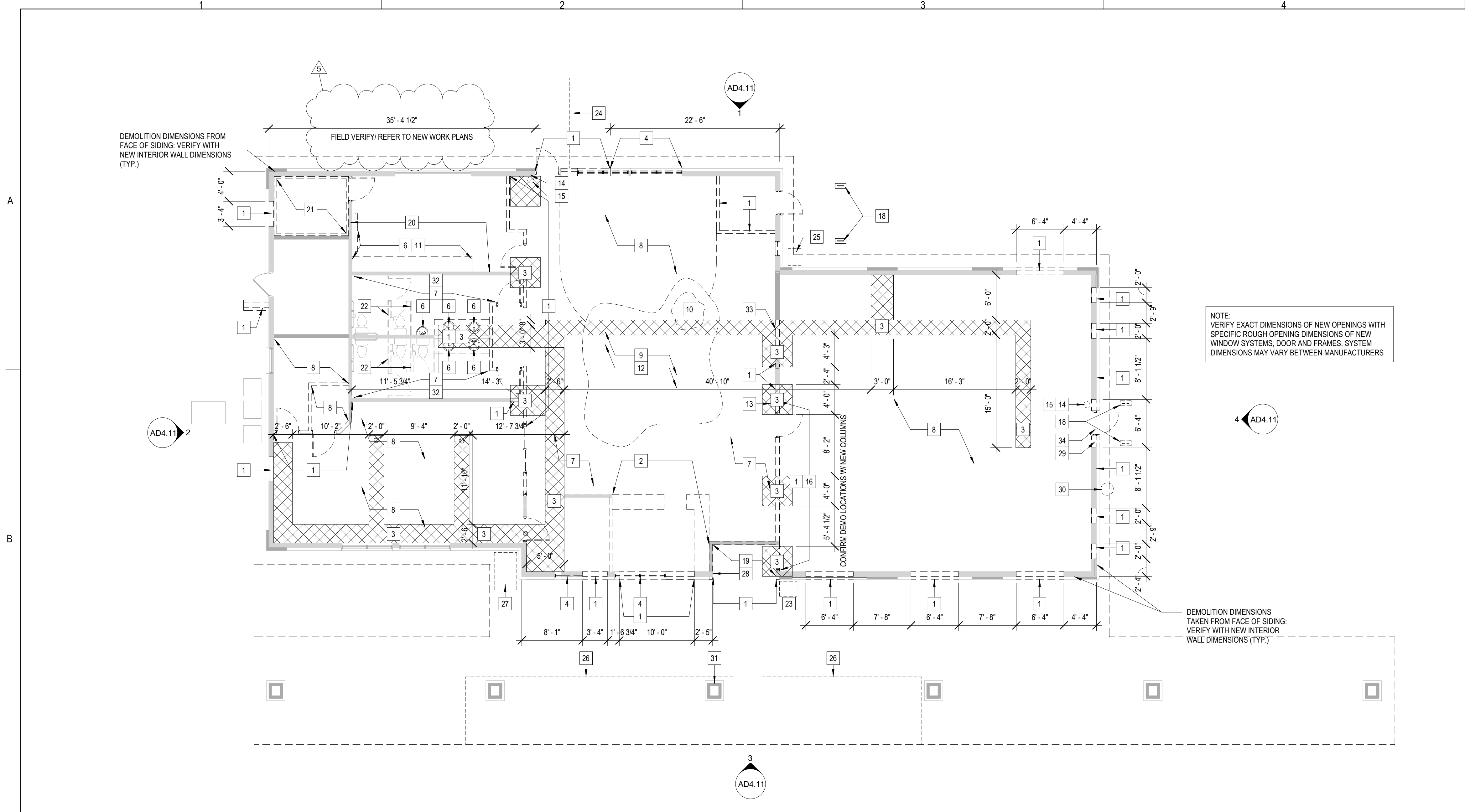
- [Symbol] GYPSUM BOARD OR PLASTER PARTITION TO BE REMOVED
- [Symbol] SUSPENDED ACOUSTICAL TILE CEILING TO BE REMOVED
- [Symbol] SUSPENDED ACOUSTICAL TILE CEILING TO REMAIN
- [Symbol] GYPSUM BOARD OR PLASTER CEILING TO BE REMOVED
- [Symbol] RECESSED 2x4 LAY-IN LIGHT FIXTURE TO BE REMOVED
- [Symbol] RECESSED 2x2 LAY-IN LIGHT FIXTURE TO BE REMOVED
- [Symbol] RECESSED 2x4 LAY-IN LIGHT FIXTURE TO REMAIN
- [Symbol] RECESSED 2x2 LAY-IN LIGHT FIXTURE TO REMAIN
- [Symbol] LINEAR LIGHT FIXTURE TO BE REMOVED
- [Symbol] RETURN AIR GRILLE TO REMAIN
- [Symbol] SUPPLY AIR GRILLE TO REMAIN

DEMOLITION RCP GENERAL NOTES:

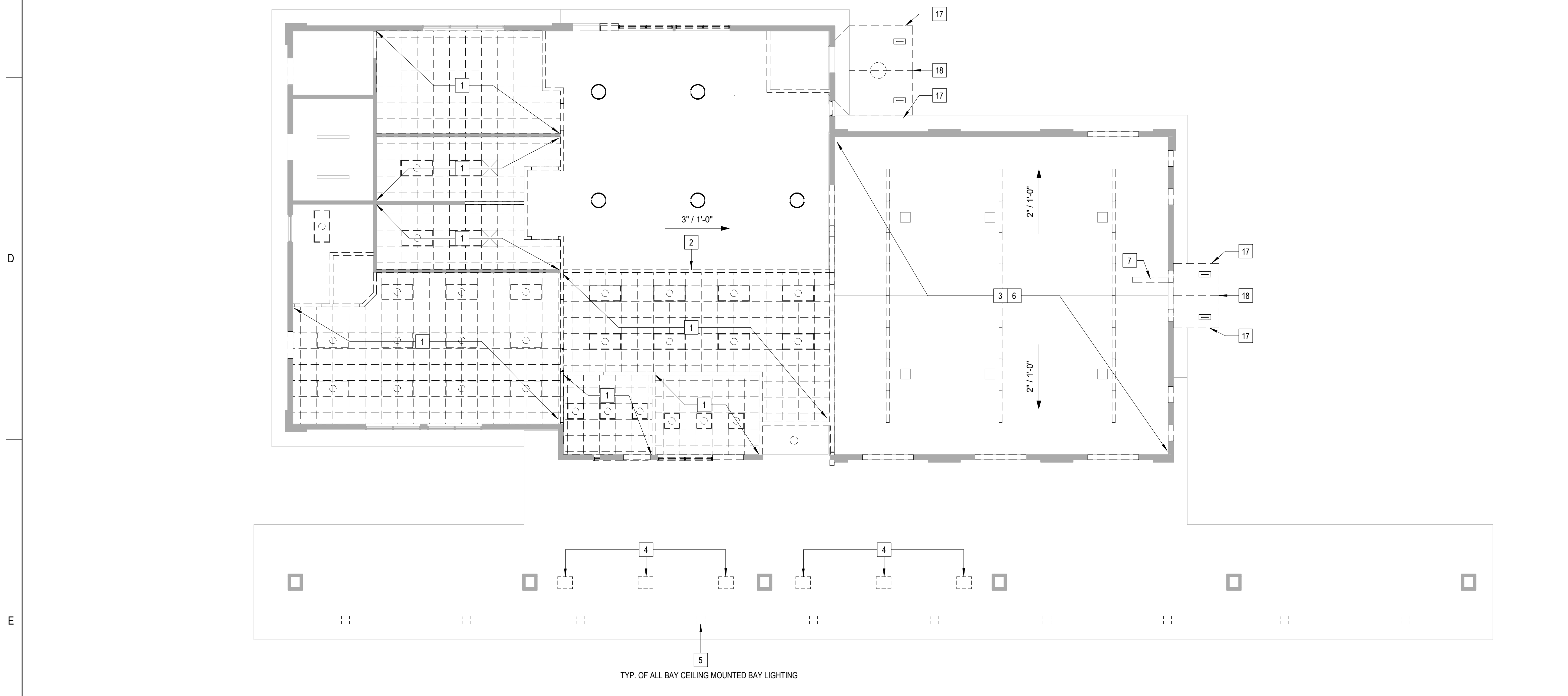
- PRIOR TO AND DURING ANY DEMOLITION THE CONTRACTOR SHALL VERIFY AND MAINTAIN THE BUILDING'S STRUCTURAL INTEGRITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AS REQUIRED TO INSTALL ALL NEW WORK. REPAIR, PATCH AND FINISH EXISTING FLOORS, WALLS AND CEILING DESIGNATED TO REMAIN TO MATCH EXISTING CONDITIONS.
- REMOVE ALL HANGERS, SUSPENSION SYSTEMS, SUPPORT FRAMING, EQUIPMENT PADS, ANCHORS, ATTACHMENT HARDWARE AND RELATED APPURTENANCES CONNECTED WITH THE WORK TO BE DEMOLISHED. IF COMPLETE REMOVAL IS NOT POSSIBLE, CUT DEVICES AS CLOSE AS POSSIBLE TO ADJOINING SURFACES OR ORIGIN OF SUPPORT.
- DURING THE BIDDING PERIOD, EACH BIDDING CONTRACTOR SHALL VISIT THE SITE AND THE FACILITY TO DETERMINE EXISTING CONDITIONS. CONTRACTOR'S FAILURE TO REASONABLY DETERMINE AND ANTICIPATE THE EFFECT OF EXISTING CONDITIONS AND THE WORK INVOLVED THEREBY SHALL NOT BE JUSTIFICATION FOR ADDITIONAL COMPENSATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- ALL MATERIALS, EQUIPMENT, FIXTURES, SYSTEMS, AND ACCESSORIES WHICH ARE TO REMAIN IN SERVICE SHALL BE CLEANED, REPAIRED, ADJUSTED AND PLACED INTO PROPER OPERATIONS IN ALL MODES WITH THE ORIGINAL SYSTEM.
- WHEN TEMPORARY SHORING AND BRACING IS REQUIRED, CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A PROFESSIONAL ENGINEER, LICENSED TO PRACTICE IN THE STATE WHERE THE PROJECT IS LOCATED, TO DESIGN AND PREPARE DETAILED DRAWINGS.
- CONTRACTOR SHALL COORDINATE SCHEDULE OF DEMOLITION WORK WITH THE OVERALL PHASING PLAN. ALL AREAS SURROUNDING EACH PHASE OF DEMOLITION/CONSTRUCTION WILL BE OCCUPIED BY THE OWNER DURING THE OWNER'S NORMAL BUSINESS HOURS. DEMOLITION WORK SHALL NOT ENCUMBER THE USE OF EXISTING ADJACENT SPACES.
- EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE GENERAL DEMOLITION AND REMODELING WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS IN SERVICE IN ORDER TO PROVIDE FOR THE TIMELY REMOVAL AND/OR RELOCATION OF EQUIPMENT, PIPING, ETC.
- REMOVE ALL ABANDONED CONDUIT BOXES, CONDUCTORS, TELEPHONE LINES, ELECTRIC PANELS, AND ANY OTHER MISCELLANEOUS EQUIPMENT NOT REQUIRED FOR THE NEW FACILITY.
- REMOVE ALL RECESSED FLOOR BOXES, WALKER DUCTS, FLOOR SINKS, HUB DRAINS, ELECTRICAL RECEPTACLES, ETC. AND FILL VOIDS AS REQUIRED.
- REMOVE ALL DOOR STOPS AT ASSOCIATED DOORS TO BE DEMOLISHED.
- NO TOXIC SUBSTANCES HAVE BEEN NOTED ON THE SITE. SHOULD THE CONTRACTOR ENCOUNTER ANY ASBESTOS, ASBESTOS PRODUCTS, PCBs OR OTHER TOXIC SUBSTANCES, THE CONTRACTOR SHOULD REPORT THIS IMMEDIATELY TO THE OWNER IN WRITING PRIOR TO CONTINUING WORK IN THIS AREA. WORK SHALL NOT BE RESUMED EXCEPT BY WRITTEN AUTHORIZATION OR AGREEMENT.
- ALL CONSTRUCTION DEBRIS AND EXCESS MATERIAL IS TO BE REMOVED BY THE CONTRACTOR AT THE END OF EACH WORK DAY. THE JOB SITE IS TO BE LEFT SUFFICIENTLY CLEAN AS TO WARRANT OWNER'S APPROVAL.
- REMOVE ALL CEILING SYSTEMS IN THEIR ENTIRETY, INCLUDING TILE, GRID, SUSPENSION WIRING, ANCHORS AND ALL ASSOCIATED APPURTENANCES.
- CONTRACTOR SHALL SALVAGE ALL EXISTING CEILING TILES FOR POSSIBLE REUSE OR AS EXTRA STOCK FOR OWNER. SALVAGE ONLY UN-CUT TILES WITH NO VISIBLE DAMAGE. ONCE REMOVED, OWNER AND ARCHITECT WILL FIELD REVIEW AND APPROVE SALVAGED TILES PRIOR TO REUSE OR STORAGE.

DEMOLITION RCP REFERENCED NOTES:

- REMOVE EXISTING ACOUSTIC TILE CEILING IN ITS ENTIRETY. REMOVE ALL HANGARS AND SUPPORTS.
- REMOVE EXISTING GYPSUM BOARD AND SOFFIT. PREP AREA ABOVE SOFFIT FOR NEW WOOD PLANK CEILING TO MATCH EXISTING ADJACENT.
- REMOVE HANGING DRYWALL TAPE AND OTHER DAMAGED CEILING SECTIONS. PATCH AND PREPARE FOR PAINT.
- REMOVE RADIANT HEATERS, ASSOCIATED HANGARS AND CONDUITS. PATCH AND REPAIR OFFIT AND OTHER CONSTRUCTION TO MATCH ADJACENT.
- REMOVE EXISTING HITTING BAY LIGHTING. PATCH CEILING AS REQUIRED FOR NEW CONSTRUCTION.
- EXISTING DIFFUSERS AND SPRINKLER HEADS TO REMAIN.
- REMOVE PORTION OF EXISTING CEILING CONSTRUCTION AS REQUIRED TO INSTALL A NEW PORTION OF SPRINKLER CONNECTED TO EXISTING SPRINKLER LINES (EXISTING SPRINKLER LINES TO REMAIN). NEW PORTION OF SPRINKLER TO SERVICE NEW VESTIBULE ADDITION.



1 DEMOLITION PLAN
 1/8" = 1'-0"



2 DEMOLITION REFLECTED CEILING PLAN
 1/8" = 1'-0"



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**PEORIA PARK DISTRICT
 GOLF ENTERTAINMENT FACILITY
 ADDITION AND RENOVATION**
 7815 N. RADNOR ROAD, PEORIA ILLINOIS 61615
 DKA PROJECT NO: 22-051

KEY PLAN:

SHEET STATUS: APRIL 9, 2024
**BIDDING AND PERMIT
 SET**

NO.	DESCRIPTION:	DATE:
5	ADDENDUM 5	04.30.24

SHEET TITLE:
**EXTERIOR
 ELEVATIONS -
 CLUBHOUSE**

SHEET NUMBER:
A4.02





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**PEORIA PARK DISTRICT
 GOLF ENTERTAINMENT FACILITY
 ADDITION AND RENOVATION**
 7815 N. RADNOR ROAD, PEORIA ILLINOIS 61615
 DKA PROJECT NO: 22-051

KEY PLAN:

SHEET STATUS: APRIL 9, 2024

BIDDING AND PERMIT SET

NO.	DESCRIPTION:	DATE:
4	ADDENDUM 4	04.25.24
5	ADDENDUM 5	04.30.24

SHEET TITLE:

FINISH PLAN - LEVEL 1
1

SHEET NUMBER:

A11.01

4/30/2024 3:07:42 PM

FINISH PLAN SYMBOLS LEGEND:

⊗ WALL FINISH TYPE ⊕ WALL BASE TYPE ⊙ FLOOR FINISH TYPE

FINISH PLAN GENERAL NOTES:

- 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 GEMBITTIONS 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-1 UNLESS NOTED OTHERWISE.
- AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, 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.
- PAINT ALL GYP. BD. CEILINGS PT-6 UNLESS NOTED OTHERWISE.
- ALL CARPET TILE TO BE INSTALLED QUARTER TURNED UNLESS SPECIFIED OTHERWISE.

WALL FINISH TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME#/COLOR
PT-1	GENERAL PAINT	BENJAMIN MOORE	GRAY HORSE #2140-50
PT-2	GENERAL PAINT	BENJAMIN MOORE	STORM CLOUD GRAY #2140-40
PT-3	GENERAL PAINT	BENJAMIN MOORE	CHANTILLY LACE #2121-70
PT-4	GENERAL PAINT	BENJAMIN MOORE	BLACK IRON #2120-20
PT-5	GENERAL PAINT, CEILING	BENJAMIN MOORE	LIGHT GREY -
VWC-1	VINYL WALL COVERING	DESIGNTEX	ALBREY / 403
PL-1	PLASTER	BENJAMIN MOORE	GRAY HORSE #2140-50
PL-2	PLASTER	BENJAMIN MOORE	STORM CLOUD GRAY #2140-40
PL-3	PLASTER	BENJAMIN MOORE	CHANTILLY LACE #2121-70
PL-4	ACRYLIC COATING	DRYVIT (OR EQUAL)	COLOR TBD
CT-1	CERAMIC TILE	PERMASEAL X-32	
FRP-1	FIBER REINFORCED PANEL	TBD BY GC	WHITE TEXTURED

WALL BASE TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME#/COLOR
WB-1	7 1/4" PAINTED POPLAR BASE	N/A	PT-3 WHITE
WD	4" WOOD BASE	N/A	PT-3 WHITE
RB-1	4" RUBBER BASE	JOHNSONITE	BURNT UMBER

FLOOR FINISH TYPES:

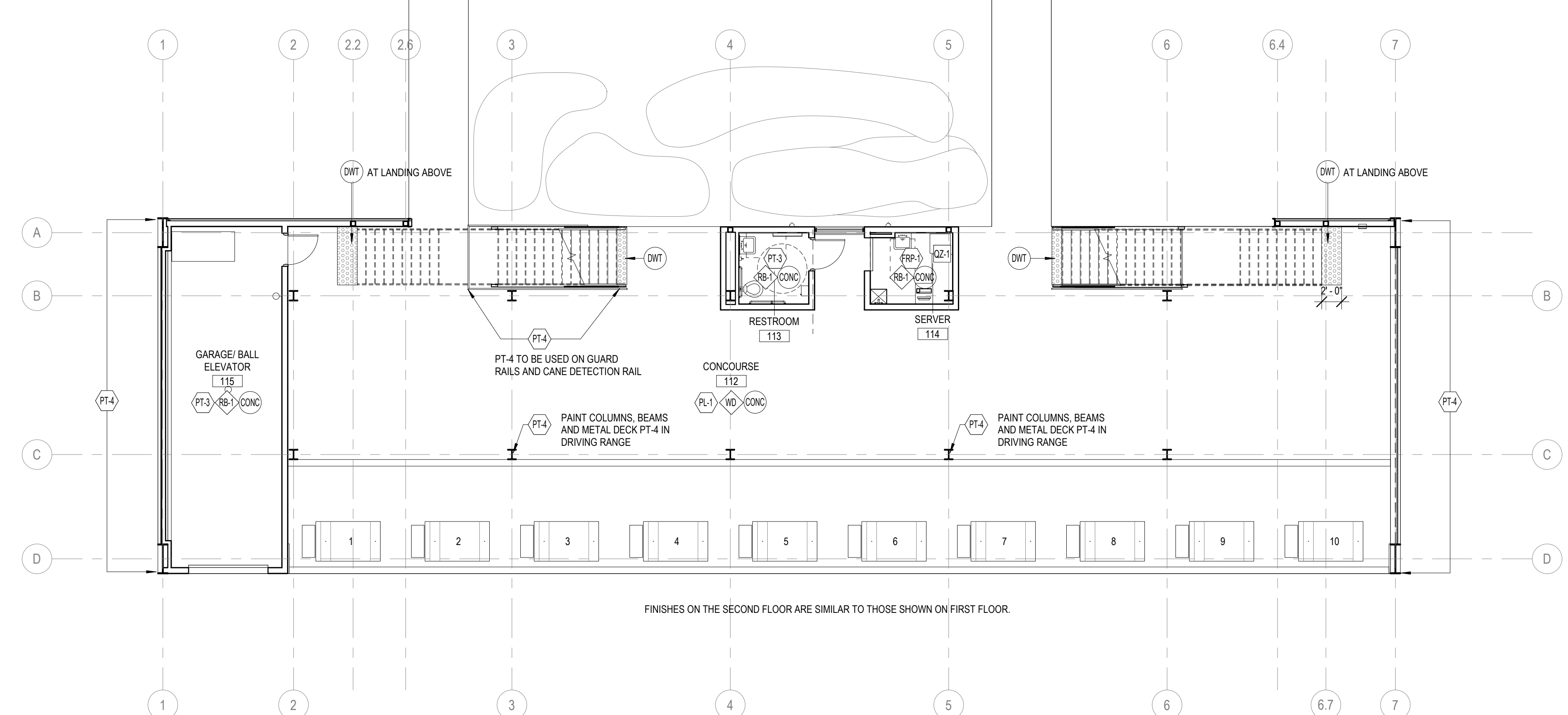
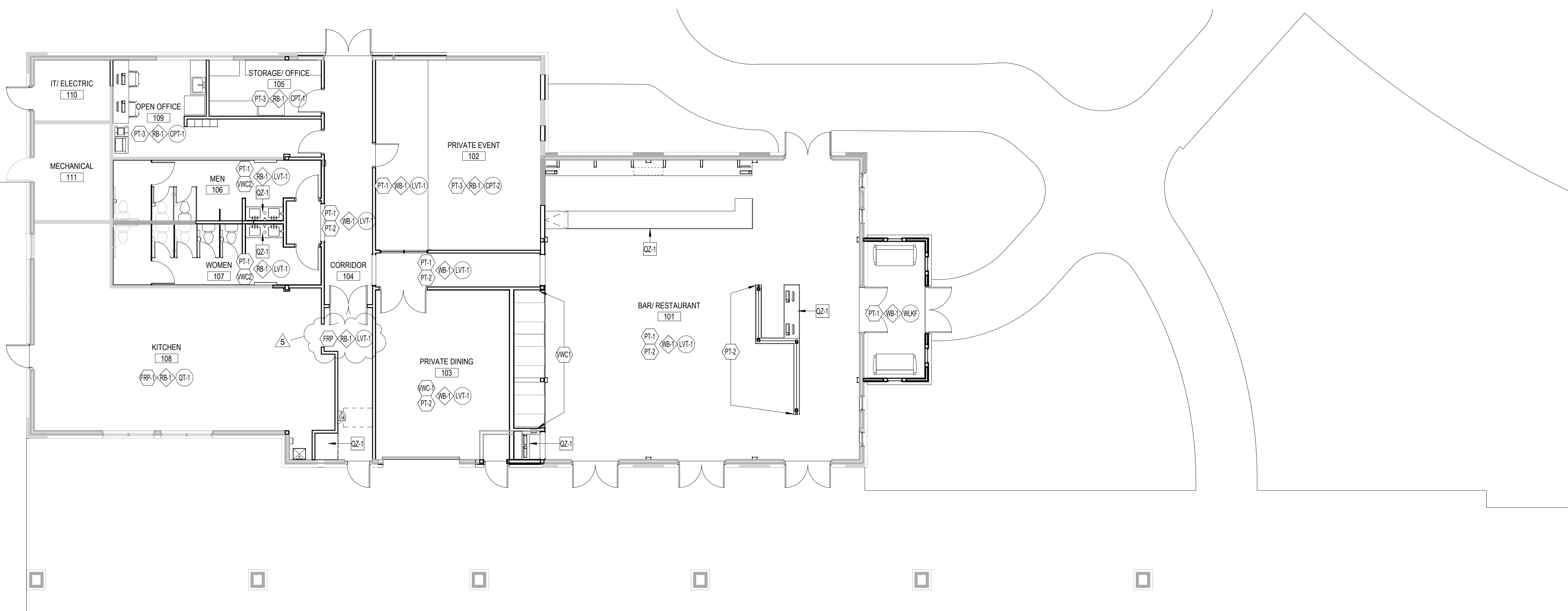
TYPE	DESCRIPTION	MANUFACTURER	NAME#/COLOR
CPT	CARPET TILE	EF CONTRACT	SPREE IN LARK
DWT	DETECTABLE WARNING RUBBER TILE	TBD	TBD
LVT-1	LUXURY VINYL TILE	TBD	TBD
CONC.	EXPOSED CONCRETE	TBD	NATURAL GREY
WUXF	WALKOFF CARPET	AMERICAN FLOOR	SOLID CHARCOAL
QT-1	QUARRY TILE	DALTILE	ARID FLASH 0048

COUNTERTOP:

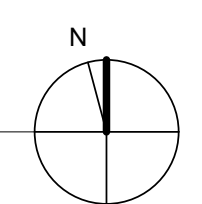
TYPE	DESCRIPTION	MANUFACTURER	NAME#/COLOR
QZ-1	QUARTZ	CORIAN	LONDON SKY

FINISH PLAN REFERENCED NOTES:

- PT-4 IS TO BE USED ON ALL EXPOSED STEEL IN THE HITTING BAY STRUCTURE (BUILDING 2), COLUMNS, BEAMS, BAR GRATING, STRINGERS, GUARDRAILS, HAND RAILS, CANE DETECTION RAIL AND METAL DECK. EXPOSED CONDUITS AND ASSOCIATED EXPOSED MEP TO BE PAINTED PT-4 WHERE APPLICABLE.
- QZ-1 TO BE USED AT ALL BAR TOPS, SERVER STATIONS, RESTROOM TOPS, AND RECEPTION COUNTER.



1 FIRST FLOOR FINISH PLAN
1/8" = 1'-0"





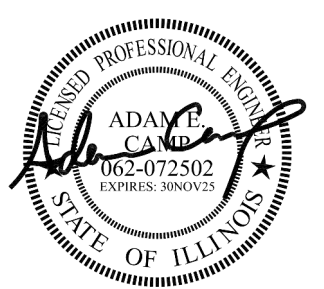
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**PEORIA PARK DISTRICT
 GOLF PRACTICE FACILITY ADDITION**
 7815 N. RADNOR ROAD, PEORIA ILLINOIS 61615
 DKA PROJECT NO: 22-051



DATE: 4/9/2024

KEY PLAN:

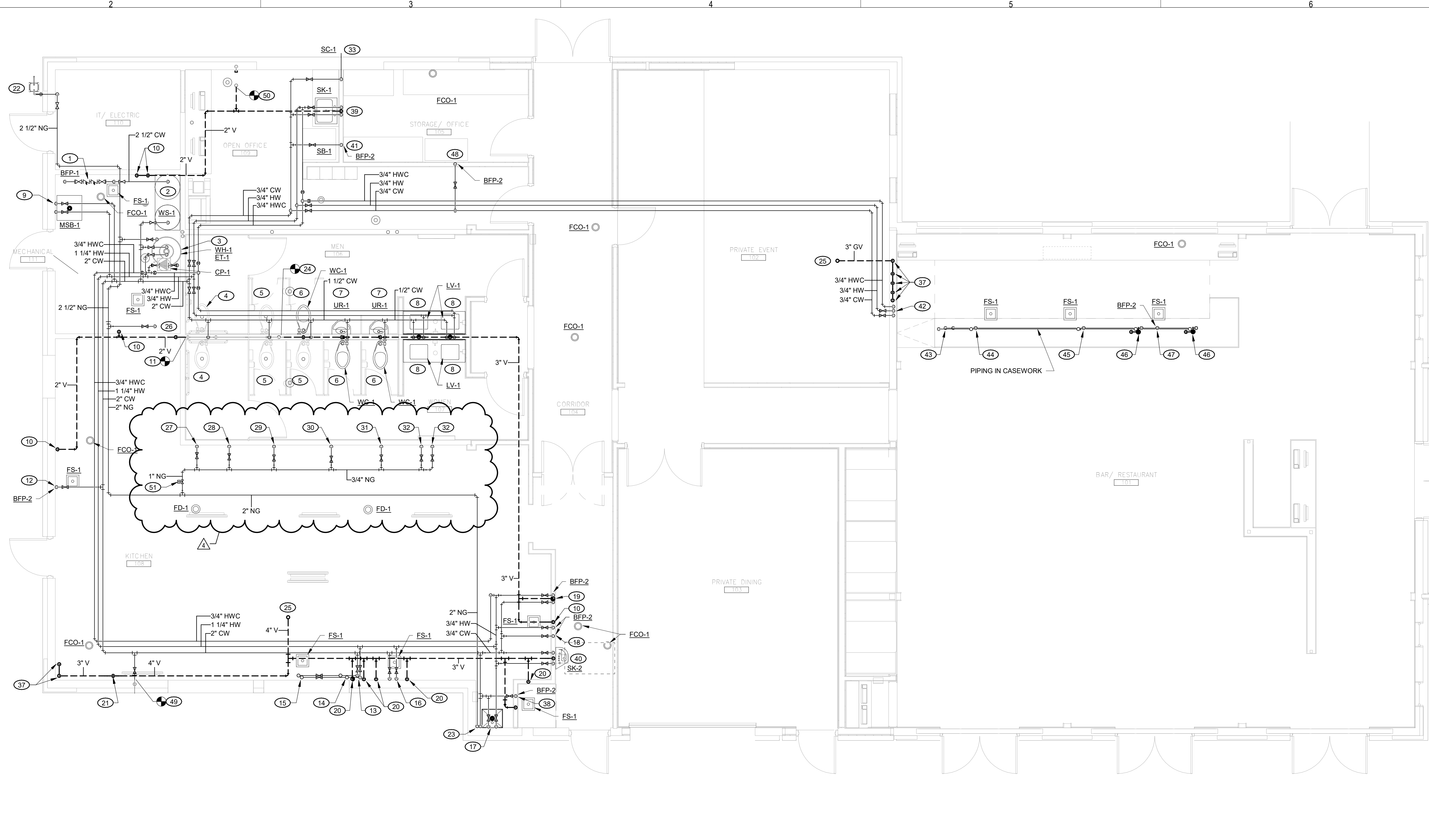
SHEET STATUS: APRIL 9, 2024
BIDDING AND PERMIT SET

NO.	DESCRIPTION:	DATE:
4	ADD #5	04/30/24

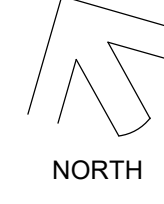
SHEET TITLE:
FIRST FLOOR PLAN - CLUBHOUSE - PLUMBING

SHEET NUMBER:

P1.01



1 FIRST FLOOR PLAN - CLUBHOUSE - PLUMBING
 SCALE: 1/4" = 1'-0"



KEYED PLUMBING NOTES:

- 1 2-1/2" DOMESTIC WATER SERVICE FROM BELOW GRADE. 2-1/2" DOMESTIC WATER MAIN AND BACKFLOW PREVENTER. DRAIN BACKFLOW PREVENTER TO NEAREST FLOOR SINK INDIRECTLY WITH AIR GAP FITTING.
- 2 2-1/2" CW SUPPLY PIPING TO INLET SIDE OF WATER SOFTENER AND 2-1/2" CW SUPPLY PIPING FROM OUTLET SIDE OF WATER SOFTENER BELOW. INSTALL WATER SOFTENER PER MANUFACTURER'S INSTRUCTIONS. DRAIN TO NEAREST FLOOR SINK INDIRECTLY WITH AIR GAP FITTING.
- 3 1-1/4" H&CW SUPPLY PIPING, 3/4" HWC PIPING, AND 1/2" (2 PSI) NATURAL GAS PIPING TO WATER HEATER BELOW (190 MBH). INSTALL REGULATOR AND SHUT OFF VALVE ON NATURAL GAS PIPING. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. VENT REGULATOR THROUGH ROOF. INSTALL DIRECT VENT PER MANUFACTURER'S INSTRUCTIONS. DRAIN WATER HEATER TO NEAREST FLOOR SINK INDIRECTLY WITH AIR GAP FITTING. INSTALL EXPANSION TANK ON CW SUPPLY PIPING AND RECIRCULATION PUMP ON HWC PIPING PER MANUFACTURER'S INSTRUCTIONS.
- 4 REINSTALL EXISTING ADA WATER CLOSET. 1-1/4" CW SUPPLY PIPING, 2" VENT PIPING TO WATER CLOSET BELOW.
- 5 REINSTALL EXISTING WATER CLOSET. 1-1/4" CW SUPPLY PIPING, 2" VENT PIPING TO WATER CLOSET BELOW.
- 6 PROVIDE AND INSTALL NEW WATER CLOSET. 1-1/4" CW SUPPLY PIPING, 2" VENT PIPING TO WATER CLOSET BELOW.
- 7 3/4" CW SUPPLY PIPING, 2" VENT PIPING TO URINAL BELOW.
- 8 1/2" H&CW SUPPLY PIPING, 2" VENT PIPING TO LAVATORY BELOW. COORDINATE WALL CLEANOUT LOCATION WITH ALL WALL MOUNTED ACCESSORIES.
- 9 3/4" H&CW SUPPLY PIPING, 2" VENT PIPING TO MOP SERVICE BASIN BELOW.
- 10 2" VENT PIPING FROM BELOW GRADE.
- 11 CONNECT NEW 2" VENT PIPING TO EXISTING VENT PIPING IN THIS APPROXIMATE LOCATION.
- 12 3/4" CW SUPPLY PIPING TO ICE MACHINE BELOW. PROVIDE AND INSTALL BACKFLOW PREVENTER ON CW SUPPLY PIPING. DRAIN ICE MACHINE TO NEAREST FLOOR SINK INDIRECTLY WITH AIR GAP FITTING. ICE MACHINE PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 13 3/4" H&CW SUPPLY PIPING DROPS TO BELOW WINDOWS IN THIS APPROXIMATE LOCATION. RUN BRANCH PIPING BENEATH WINDOWS AS SHOWN.
- 14 1/2" H&CW SUPPLY PIPING, 2" GREASE VENT PIPING FROM BELOW TO HAND SINK. PROVIDE AND INSTALL A THERMOSTATIC MIXING VALVE FOR THE HAND SINK. HAND SINK PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION. COORDINATE SUPPLY AND VENT PIPING WITH WINDOWS IN THIS APPROXIMATE LOCATION.
- 15 1/2" H&CW SUPPLY PIPING FROM BELOW TO PREP SINK. DRAIN PREP SINK TO NEAREST FLOOR SINK INDIRECTLY WITH AIR GAP FITTING. PREP SINK PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION. COORDINATE SUPPLY AND VENT PIPING WITH WINDOWS IN THIS APPROXIMATE LOCATION.
- 16 1/2" H&CW SUPPLY PIPING TO THREE COMPARTMENT SINK BELOW. DRAIN THREE COMPARTMENT SINK TO NEAREST FLOOR SINK INDIRECTLY WITH AIR GAP FITTING. THREE COMPARTMENT SINK PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION. COORDINATE SUPPLY AND VENT PIPING WITH WINDOWS IN THIS APPROXIMATE LOCATION.
- 17 3/4" H&CW SUPPLY PIPING, 2" GREASE VENT PIPING TO MOP SERVICE BASIN BELOW. MOP SERVICE BASIN PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 18 1/2" H&CW SUPPLY PIPING TO DISHWASHER BELOW. INSTALL BACKFLOW PREVENTER ON H&CW SUPPLY PIPING. DRAIN DISHWASHER TO NEAREST FLOOR SINK INDIRECTLY WITH AIR GAP FITTING. DISHWASHER PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 19 1/2" H&CW SUPPLY PIPING TO DISHTABLE BELOW. EXTEND 1/2" CW SUPPLY PIPING FROM DROP TO DISPOSER BELOW. DISHTABLE AND DISPOSER PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 20 2" GREASE VENT PIPING FROM BELOW GRADE.
- 21 4" GREASE MAIN VENT FROM BELOW GRADE.
- 22 PLUMBING CONTRACTOR TO COORDINATE WITH LOCAL UTILITY TO RELOCATE METER TO THIS APPROXIMATE LOCATION AND INCREASE NATURAL GAS PRESSURE FROM 7" WATER COLUMN TO 2 PSI AT COST TO THE OWNER. INSTALL NEW MAIN REGULATOR AND MAIN SHUT OFF VALVE AS NEEDED. 2-1/2" (2 PSI) NATURAL GAS PIPING FROM METER BELOW. EXTEND 1" (2 PSI) NATURAL GAS PIPING TO BELOW GRADE. NEW MECHANICAL LOAD = 2,975 MBH @ 2 PSI. NEW PLUMBING LOAD = 199 MBH @ 2 PSI. NEW KITCHEN EQUIPMENT LOAD = 1,071 MBH @ 2 PSI. TOTAL LOAD = 4,245 MBH @ 2 PSI.
- 23 1-1/2" CW SUPPLY PIPING, 2" (2 PSI) NATURAL GAS PIPING TO BELOW GRADE TO SERVE THE RANGE BAYS.
- 24 CONNECT 3" VENT PIPING TO EXISTING 4" VENT THROUGH ROOF IN THIS APPROXIMATE LOCATION.
- 25 4" GREASE VENT THROUGH ROOF.
- 26 1/2" (2 PSI) NATURAL GAS PIPING, SHUT OFF VALVE, AND REGULATOR TO RELOCATED FURNACE (120 MBH) BELOW. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. VENT REGULATOR THROUGH ROOF.
- 27 1/2" (2 PSI) NATURAL GAS PIPING, SHUT OFF VALVE, AND REGULATOR TO RANGE (340 MBH) BELOW. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. VENT REGULATOR THROUGH ROOF. RANGE PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 28 1/2" (2 PSI) NATURAL GAS PIPING, SHUT OFF VALVE, AND REGULATOR TO BROILER (50 MBH) BELOW. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. VENT REGULATOR THROUGH ROOF. BROILER PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 29 1/2" (2 PSI) NATURAL GAS PIPING, SHUT OFF VALVE, AND REGULATOR TO CHARBROILER (136 MBH) BELOW. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. VENT REGULATOR THROUGH ROOF. CHARBROILER PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 30 1/2" (2 PSI) NATURAL GAS PIPING, SHUT OFF VALVE, AND REGULATOR TO GRIDDLE (85 MBH) BELOW. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. VENT REGULATOR THROUGH ROOF. GRIDDLE PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 31 1/2" (2 PSI) NATURAL GAS PIPING, SHUT OFF VALVE, AND REGULATOR TO FRYER (210 MBH) BELOW. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. VENT REGULATOR THROUGH ROOF. FRYER PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 32 1/2" (2 PSI) NATURAL GAS PIPING, SHUT OFF VALVE, AND REGULATOR TO FRYER (125 MBH) BELOW. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. VENT REGULATOR THROUGH ROOF. FRYER PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 33 3/4" CW SUPPLY PIPING TO WALL HYDRANT BELOW.
- 34 1/2" (2 PSI) NATURAL GAS PIPING FROM BELOW GRADE TO MECHANICAL EQUIPMENT (150 MBH) IN THIS APPROXIMATE LOCATION. INSTALL SHUT OFF VALVE AND REGULATING VALVE ON NATURAL GAS PIPING. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL CONNECTION LOCATION.
- 35 1/2" (2 PSI) NATURAL GAS PIPING FROM BELOW GRADE TO MECHANICAL EQUIPMENT (225 MBH) IN THIS APPROXIMATE LOCATION. INSTALL SHUT OFF VALVE AND REGULATING VALVE ON NATURAL GAS PIPING. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL CONNECTION LOCATION.
- 36 1/2" (2 PSI) NATURAL GAS PIPING FROM BELOW GRADE TO MECHANICAL EQUIPMENT (335 MBH) IN THIS APPROXIMATE LOCATION. INSTALL SHUT OFF VALVE AND REGULATING VALVE ON NATURAL GAS PIPING. REGULATE GAS PRESSURE FROM 2 PSI TO 7" WATER COLUMN. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL CONNECTION LOCATION.
- 37 3" GREASE VENT PIPING FROM BELOW GRADE.
- 38 1/2" CW SUPPLY PIPING TO SODA MACHINE IN THIS APPROXIMATE LOCATION. SODA MACHINE PROVIDED AND INSTALLED BY OTHERS. INSTALL BACKFLOW PREVENTER ON CW SUPPLY PIPING. COORDINATE WITH GC FOR FINAL CONNECTION LOCATION.
- 39 1/2" H&CW SUPPLY PIPING, 2" VENT PIPING TO SINK BELOW.
- 40 1/2" H&CW SUPPLY PIPING, 2" GREASE VENT PIPING TO HAND SINK BELOW.
- 41 1/2" CW SUPPLY PIPING TO ICE MAKER BOX BELOW. INSTALL BACKFLOW PREVENTER ON CW SUPPLY PIPING.
- 42 3/4" H&CW SUPPLY PIPING AND 3/4" HWC PIPING TO BELOW GRADE IN THIS APPROXIMATE LOCATION.
- 43 3/4" H&CW SUPPLY PIPING AND 3/4" HWC PIPING FROM BELOW GRADE IN THIS APPROXIMATE LOCATION.
- 44 1/2" H&CW SUPPLY PIPING TO COCKTAIL STATION ABOVE. DRAIN COCKTAIL STATION TO NEAREST FLOOR SINK INDIRECTLY WITH AIR GAP FITTING. COCKTAIL STATION PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 45 1/2" H&CW SUPPLY PIPING TO THREE COMPARTMENT SINK BELOW. DRAIN THREE COMPARTMENT SINK TO NEAREST FLOOR SINK INDIRECTLY WITH AIR GAP FITTING. THREE COMPARTMENT SINK PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 46 1/2" H&CW SUPPLY PIPING, 2" ISLAND GREASE VENT PIPING TO HAND SINK BELOW. PROVIDE AND INSTALL A THERMOSTATIC MIXING VALVE FOR THE HAND SINK. HAND SINK PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 47 1/2" HW SUPPLY PIPING TO DISHWASHER BELOW. INSTALL BACKFLOW PREVENTER ON HW SUPPLY PIPING. DRAIN DISHWASHER TO NEAREST FLOOR SINK INDIRECTLY WITH AIR GAP FITTING. DISHWASHER PROVIDED AND INSTALLED BY OTHERS. SEE KITCHEN EQUIPMENT SHEETS FOR ADDITIONAL INFORMATION.
- 48 1/2" CW SUPPLY PIPING TO BAG IN A BOX SYSTEM IN THIS APPROXIMATE LOCATION. BAG IN A BOX SYSTEM PROVIDED AND INSTALLED BY OTHERS. INSTALL BACKFLOW PREVENTER ON CW SUPPLY PIPING. COORDINATE WITH GC FOR FINAL CONNECTION LOCATION.
- 49 CONNECT NEW 3/4" DOMESTIC WATER PIPING TO EXISTING 3/4" DOMESTIC WATER PIPING AT THIS APPROX. LOCATION.
- 50 CONNECT NEW 2" VENT PIPING TO EXISTING VENT THROUGH ROOF AT THIS APPROX. LOCATION.
- 51 PROVIDE AND INSTALL A 1" 120V NORMALLY CLOSED SOLENOID VALVE FOR GAS EQUIPMENT BENEATH HOOD. POWER WIRING BY ELECTRICAL CONTRACTOR.



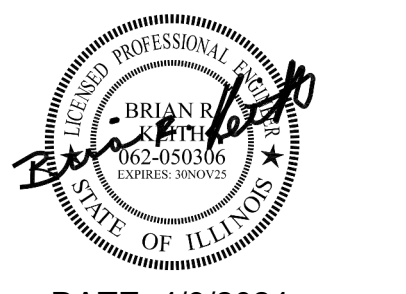
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PEORIA PARK DISTRICT
GOLF PRACTICE FACILITY ADDITION
 7815 N. RADNOR ROAD, PEORIA ILLINOIS 61615
 DKA PROJECT NO: 22-051



DATE: 4/9/2024

KEY PLAN:

SHEET STATUS: APRIL 9, 2024
BIDDING AND PERMIT SET

NO.	DESCRIPTION:	DATE:
4	ADD #5	04/30/24

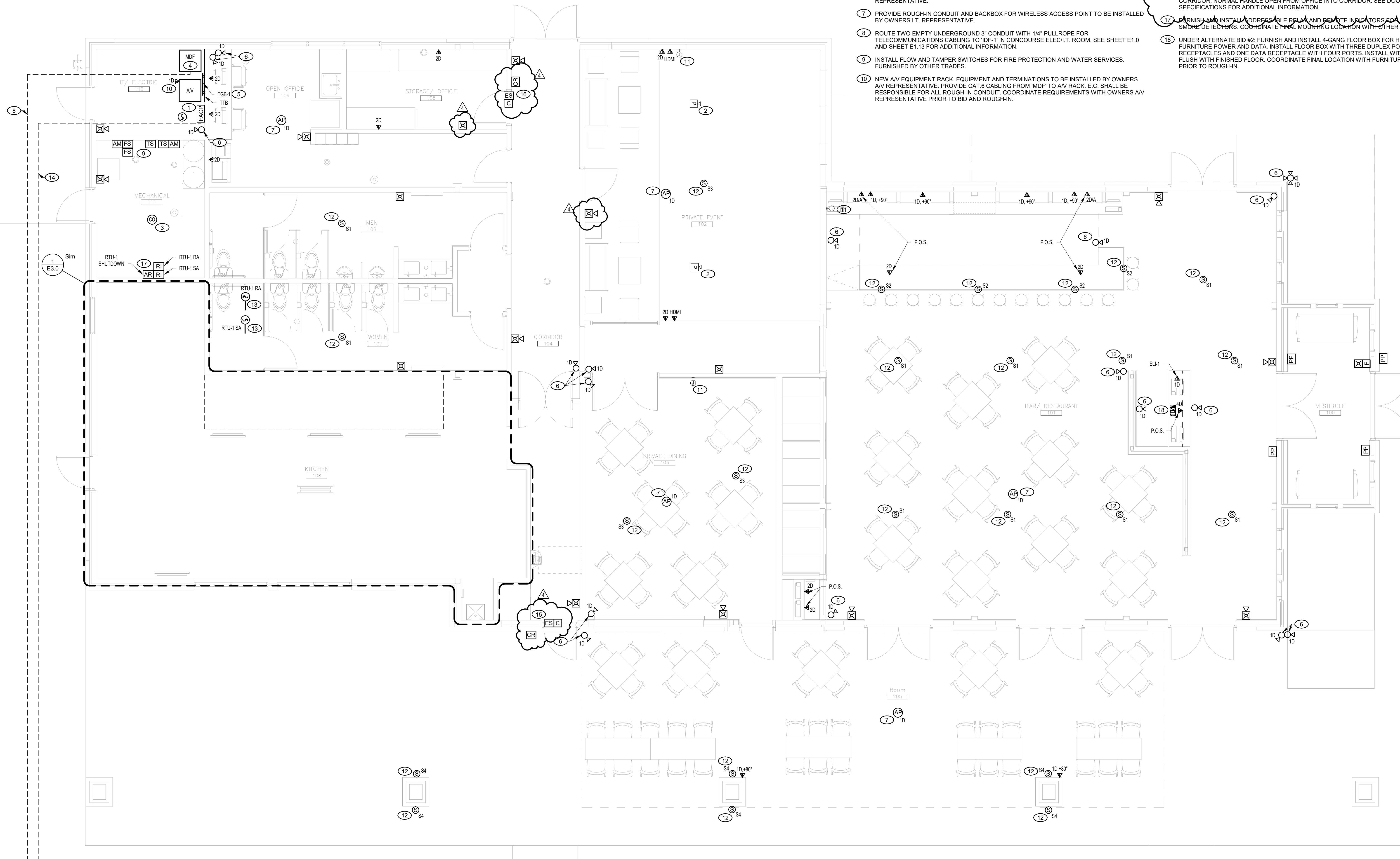
SHEET TITLE:
FIRST FLOOR PLAN - CLUBHOUSE - NEW SYSTEMS

SHEET NUMBER:

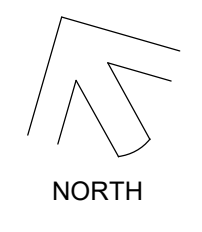
E1.03

KEYED ELECTRICAL NOTES (THIS SHEET):

- 1 FURNISH AND INSTALL NEW FIRE ALARM CONTROL PANEL. SEE SHEET E1.02 FOR ADDITIONAL INFORMATION. E.C. SHALL INCLUDE PROGRAMMING, TESTING, AND CERTIFICATION OF COMPLETE FIRE ALARM SYSTEM IN BID PROPOSAL.
- 2 FURNISH AND INSTALL ROUGH-IN REQUIRED FOR GOLF SIMULATOR PROJECTORS, CAMERAS, SENSORS, AND OTHER EQUIPMENT. COORDINATE ALL REQUIREMENTS WITH FULL SWING SYSTEM REPRESENTATIVE PRIOR TO BID AND DURING CONSTRUCTION.
- 3 FURNISH AND INSTALL CARBON MONOXIDE DETECTOR WITHIN 15 FEET OF GAS FIRED EQUIPMENT.
- 4 NEW TELECOMMUNICATIONS EQUIPMENT RACK. OWNERS IT REPRESENTATIVE SHALL FURNISH AND INSTALL NEW RACK AND REINSTALL EXISTING EQUIPMENT BEING RELOCATED FROM DEMOLISHED RACK. E.C. SHALL BE RESPONSIBLE FOR ROUGH-IN CONDUIT AND BACK BOXES.
- 5 REINSTALL TELECOMMUNICATIONS GROUND BAR AND COMMUNICATIONS SERVICE EQUIPMENT ON NEW 4' X 8' PLYWOOD TERMINATION BOARD.
- 6 PROVIDE ROUGH-IN CONDUIT AND BACKBOX FOR SECURITY CAMERA TO BE INSTALLED BY OWNERS I.T. REPRESENTATIVE. COORDINATE EXACT LOCATIONS WITH OWNER'S I.T. REPRESENTATIVE.
- 7 PROVIDE ROUGH-IN CONDUIT AND BACKBOX FOR WIRELESS ACCESS POINT TO BE INSTALLED BY OWNERS I.T. REPRESENTATIVE.
- 8 ROUTE TWO EMPTY UNDERGROUND 3" CONDUIT WITH 1/4" PULLROPE FOR TELECOMMUNICATIONS CABLEING TO IDF-1 IN CONCOURSE ELEC./I.T. ROOM. SEE SHEET E1.0 AND SHEET E1.13 FOR ADDITIONAL INFORMATION.
- 9 INSTALL FLOW AND TAMPER SWITCHES FOR FIRE PROTECTION AND WATER SERVICES. FURNISHED BY OTHER TRADES.
- 10 NEW AV EQUIPMENT RACK. EQUIPMENT AND TERMINATIONS TO BE INSTALLED BY OWNERS AV REPRESENTATIVE. PROVIDE CAT 6 CABLEING FROM MDF TO AV RACK. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN CONDUIT. COORDINATE REQUIREMENTS WITH OWNERS AV REPRESENTATIVE PRIOR TO BID AND ROUGH-IN.
- 11 FURNISH AND INSTALL 2-GANG JUNCTION BOX FOR AV SYSTEM CONTROLS AND CABLEING. COORDINATE REQUIREMENTS AND FINAL LOCATION WITH OWNERS AV REPRESENTATIVE.
- 12 INSTALL NEW SPEAKER FOR BUILDING AV SYSTEM. EACH SPEAKER TYPE AND EACH ROOM SHALL BE ON ITS OWN AV ZONE. ROUTE #16AWG STRANDED RISER TO AV RACK HEAD END UNIT. COORDINATE MOUNTING HEIGHT WITH OWNERS REPRESENTATIVE PRIOR TO ROUGH-IN.
- 13 FURNISH AND INSTALL NEW DUCT SMOKE DETECTOR FOR RTU-1. E.C. SHALL ENSURE DUCT SMOKE DETECTOR IS INSTALLED IN AN ACCESSIBLE LOCATION. DETECTOR MUST BE INSTALLED A MINIMUM OF 36" FROM ANY DUCT BENDS OR OPENINGS. COORDINATE FINAL LOCATION IN FIELD PRIOR TO ROUGH-IN.
- 14 ROUTE ONE EMPTY UNDERGROUND 3" CONDUIT WITH 1/4" PULLROPE FOR FIRE ALARM NOTIFICATION. SEE SHEET E1.02 FOR ADDITIONAL INFORMATION.
- 15 ACCESS CONTROLLED STAFF ENTRY DOOR. CARD/FOB READER INTO BUILDING FROM EXTERIOR. CRASH BAR EGRESS TO EXTERIOR FROM CORRIDOR. ELECTRIC STRIKE RELEASE. SEE DOOR HARDWARE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 16 ACCESS CONTROLLED STAFF ENTRY DOOR. CARD/FOB READER INTO OFFICE FROM CORRIDOR. NORMAL HANDLE OPEN FROM OFFICE INTO CORRIDOR. SEE DOOR HARDWARE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 17 FURNISH AND INSTALL ADDRESSABLE PULL AND PULL-TO-OPEN RTU-1 DUCT SMOKE DETECTORS. COORDINATE FINAL MOUNTING LOCATION WITH OTHER EQUIPMENT.
- 18 UNDER ALTERNATE BID #2: FURNISH AND INSTALL 4-GANG FLOOR BOX FOR HOSTESS STATION FURNITURE POWER AND DATA. INSTALL FLOOR BOX WITH THREE DUPLEX POWER RECEPTACLES AND ONE DATA RECEPTACLE WITH FOUR PORTS. INSTALL WITH COVER PLATE FLUSH WITH FINISHED FLOOR. COORDINATE FINAL LOCATION WITH FURNITURE INSTALLER PRIOR TO ROUGH-IN.



1 FIRST FLOOR PLAN - CLUBHOUSE - NEW SYSTEMS
 SCALE: 1/4" = 1'-0"



NOTE:
 ALL SPEAKERS AND AUDIO/VISUAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE OWNER'S AV REPRESENTATIVE. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN AND BACK BOXES FOR EACH DEVICE.

NOTE:
 COORDINATE ALL TV RECEPTACLE ROUGH-IN HEIGHT AND LOCATIONS WITH THE OWNERS AV CONTRACTOR PRIOR TO ROUGH-IN.

NOTE:
 ALL DATA/TELECOMMUNICATION OUTLETS AND DEVICES SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY. THE OWNERS I.T. REPRESENTATIVE SHALL FURNISH AND INSTALL ALL REQUIRED DATA EQUIPMENT AND CABLEING FOR THE PROJECT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ROUGH-IN, BACK BOXES, AND CONDUIT. VERIFY ALL LOCATIONS AND MOUNTING HEIGHTS WITH THE OWNERS I.T. REPRESENTATIVE PRIOR TO ROUGH-IN.



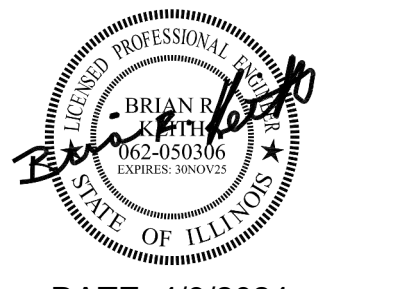
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**PEORIA PARK DISTRICT
 GOLF PRACTICE FACILITY ADDITION**
 7815 N. RADNOR ROAD, PEORIA ILLINOIS 61615
 DKA PROJECT NO: 22-051



DATE: 4/9/2024

KEY PLAN:

SHEET STATUS: APRIL 9, 2024
**BIDDING AND PERMIT
 SET**

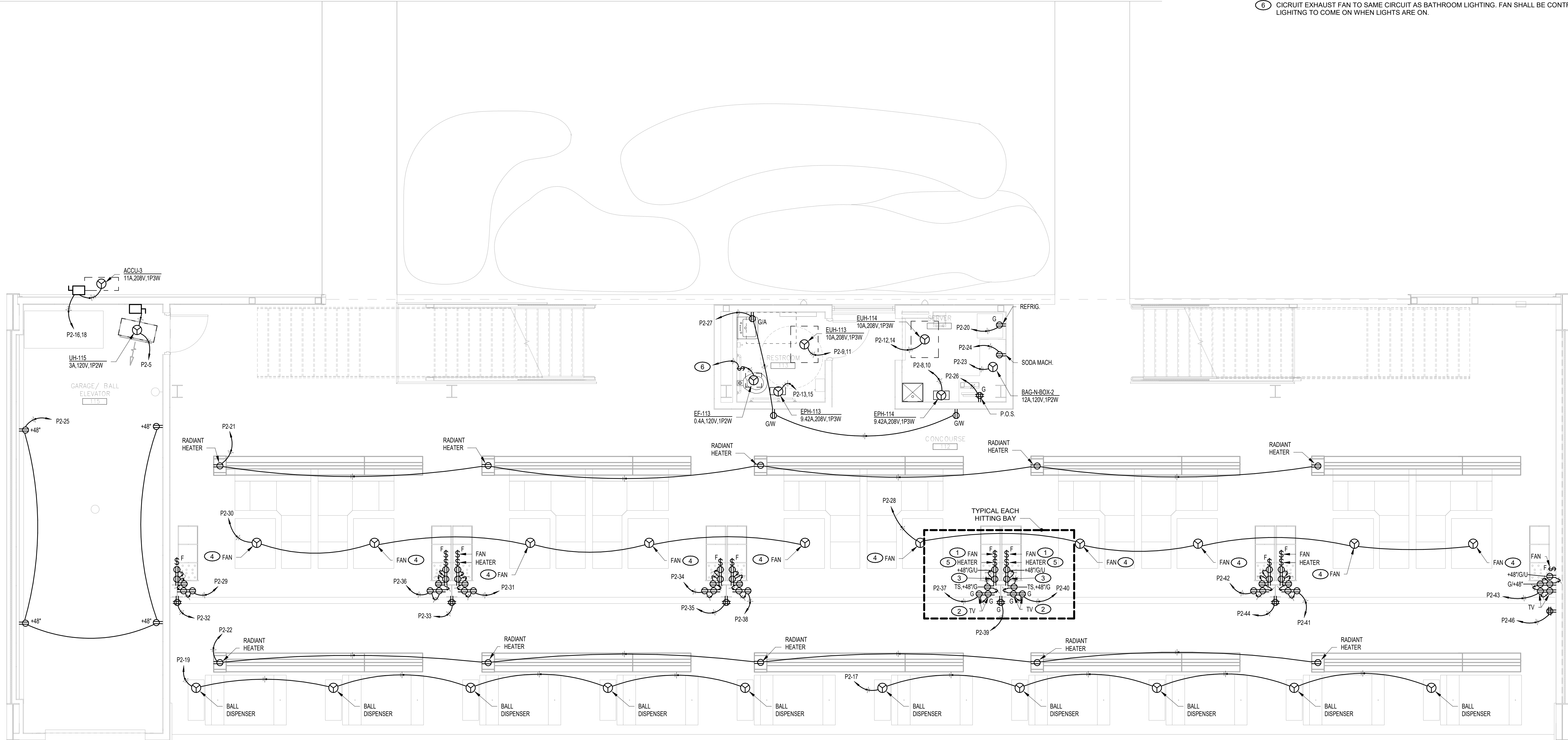
NO.	DESCRIPTION:	DATE:
4	ADD #5	04/30/24

SHEET TITLE:
**FIRST FLOOR PLAN -
 RANGE BAYS -
 POWER**

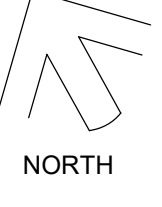
SHEET NUMBER:
E1.12

KEYED ELECTRICAL NOTES (THIS SHEET):

- 1 FURNISH AND INSTALL FAN AND LIGHT SWITCH FOR CEILING FAN CONTROL. SWITCH SHALL HAVE ON/OFF FOR LIGHT AND ADJUSTABLE SETTINGS FOR FAN SPEED.
- 2 COORDINATE TV MOUNTING HEIGHTS WITH AV VENDOR DRAWINGS PRIOR TO ROUGH-IN.
- 3 DUPLEX RECEPTACLE TO BE MOUNTED INSIDE COLUMN WRAP. RECEPTACLE SHALL BE MOUNTED ADJACENT TO ACCESS PANEL OPENING. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- 4 FURNISH AND INSTALL CEILING FAN AT LOCATION. COORDINATE ORDERING OF CEILING FANS WITH ARCHITECT PRIOR TO ORDERING. FINAL SELECTIONS MUST BE APPROVED BY ARCHITECT. VERIFY EXACT FAN LOCATION WITH ARCHITECTURAL BAY LAYOUT DRAWINGS AND ELEVATIONS PRIOR TO ROUGH-IN.
- 5 FURNISH AND INSTALL CEILING CONTROL SWITCH WITH FAN FOR EACH HEATER. ONE SWITCH SHALL CONTROL BOTH FRONT AND REAR BAY HEATERS.
- 6 CIRCUIT EXHAUST FAN TO SAME CIRCUIT AS BATHROOM LIGHTING. FAN SHALL BE CONTROLLED WITH LIGHTING TO COME ON WHEN LIGHTS ARE ON.



1 FIRST FLOOR PLAN - RANGE BAYS - POWER
 SCALE: 1/4" = 1'-0"



BAY HEATER AND FAN CONTROLS NOTE:

BAY HEATERS:

1. THE ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE A COMBINATION TIMER/HIGH/LOW/OFF CONTROL SWITCH FOR THE RADIANT BAY HEATERS.
2. TWO RADIANT BAY HEATER CONTROL SWITCHES SHALL BE LOCATED ON EACH ODD NUMBERED COLUMN. ONE SWITCH SHALL CONTROL TWO HEATERS.
3. THE SWITCH MOUNTED ON THE LEFT SIDE OF THE COLUMN SHALL CONTROL THE TWO HEATERS TO THE LEFT OF THAT SWITCH. THE SWITCH MOUNTED ON THE RIGHT SIDE OF THE COLUMN SHALL CONTROL THE TWO HEATERS TO THE RIGHT OF THAT SWITCH. EVEN NUMBERED COLUMNS THEN DO NOT RECEIVE ANY HEATER CONTROL SWITCHES.

FANS:

1. THE ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE A COMBINATION HIGH/LOW/OFF CONTROL SWITCH FOR THE CONCOURSE CEILING FANS. FANS FURNISHED BY OTHERS.
2. TWO FAN CONTROL SWITCHES SHALL BE LOCATED ON EACH BAY COLUMN (WITH THE EXCEPTION OF THE END COLUMNS WHICH ONLY RECEIVE ONE SWITCH). ONE SWITCH SHALL CONTROL ONE FAN.
3. THE SWITCH MOUNTED ON THE LEFT SIDE OF THE COLUMN SHALL CONTROL THE FAN TO THE LEFT OF THAT SWITCH. THE SWITCH MOUNTED ON THE RIGHT SIDE OF THE COLUMN SHALL CONTROL THE FAN TO THE RIGHT OF THAT SWITCH.

FINAL LOCATIONS AND ELEVATIONS OF THE HEATER AND FAN CONTROL SWITCHES SHALL BE CONFIRMED WITH THE ARCHITECTURAL PLANS AND OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN. REFER TO ARCHITECTURAL BAY LAYOUT DRAWINGS FOR FINAL FAN, HEATER, LIGHT, AND RELATED BAY EQUIPMENT LOCATIONS.



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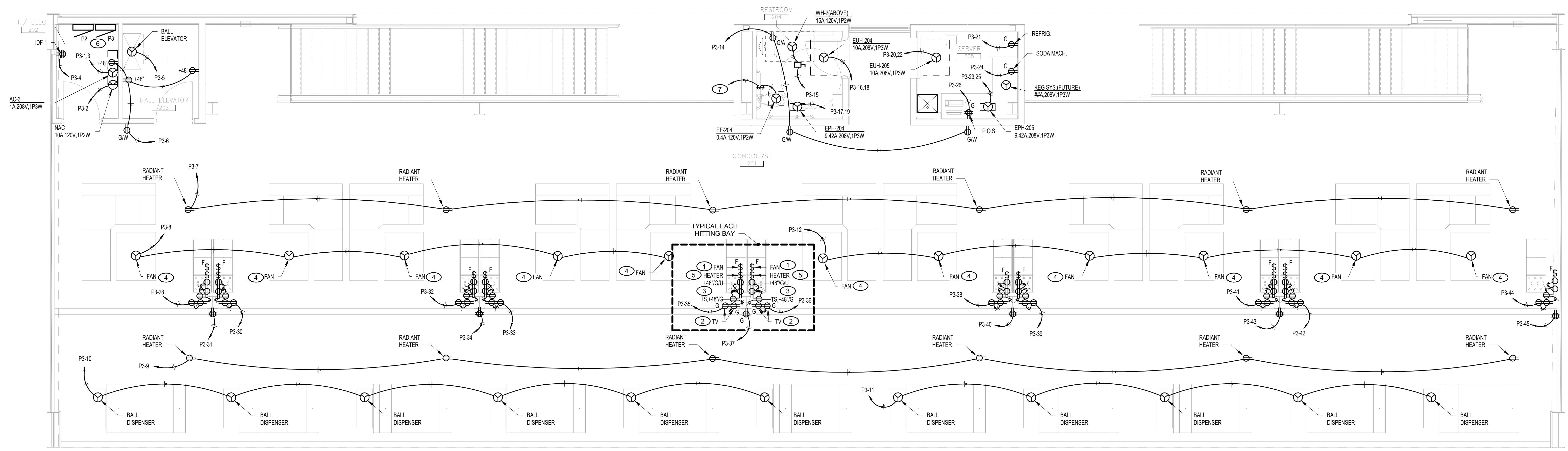
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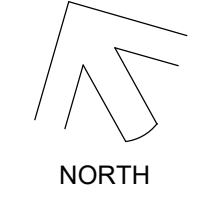
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KEYED ELECTRICAL NOTES (THIS SHEET):

- 1 FURNISH AND INSTALL FAN AND LIGHT SWITCH FOR CEILING FAN CONTROL. SWITCH SHALL HAVE ON/OFF FOR LIGHT AND ADJUSTABLE SETTINGS FOR FAN SPEED.
- 2 COORDINATE TV MOUNTING HEIGHTS WITH AV VENDOR DRAWINGS PRIOR TO ROUGH-IN.
- 3 DUPLEX RECEPTACLE TO BE MOUNTED INSIDE COLUMN WRAP. RECEPTACLE SHALL BE MOUNTED ADJACENT TO ACCESS PANEL OPENING. COORDINATE LOCATION AND REQUIREMENTS WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- 4 FURNISH AND INSTALL CEILING FAN AT LOCATION. COORDINATE ORDERING OF CEILING FANS WITH ARCHITECT PRIOR TO ORDERING. FINAL SELECTIONS MUST BE APPROVED BY ARCHITECT. VERIFY EXACT FAN LOCATION WITH ARCHITECTURAL BAY LAYOUT DRAWINGS AND ELEVATIONS PRIOR TO ROUGH-IN.
- 5 FURNISH AND INSTALL CHILL CONTROL THERMISTERS FOR RAY HEATERS. ONE SWITCH SHALL CONTROL FRONT AND REAR BAY HEATERS.
- 6 FURNISH AND INSTALL NEW 64-SPACE BRANCH CIRCUIT PANELS. SEE PANEL SCHEDULES ON SHEET E201 FOR SIZING AND ADDITIONAL INFORMATION.
- 7 CIRCUIT EXHAUST FAN TO SAME CIRCUIT AS BATHROOM LIGHTING. FAN SHALL BE CONTROLLED WITH LIGHTING TO COME ON WHEN LIGHTS ARE ON.



1 SECOND FLOOR PLAN - RANGE BAYS - POWER
 SCALE: 1/4" = 1'-0"



**PEORIA PARK DISTRICT
 GOLF PRACTICE FACILITY ADDITION**
 7815 N. RADNOR ROAD, PEORIA ILLINOIS 61615
 DKA PROJECT NO: 22-051



DATE: 4/9/2024

SHEET STATUS: APRIL 9, 2024
BIDDING AND PERMIT SET

NO.	DESCRIPTION	DATE
4	ADD #5	04/30/24

SHEET TITLE:
**SECOND FLOOR PLAN
 - RANGE BAYS -
 POWER**

SHEET NUMBER:
E1.22



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**PEORIA PARK DISTRICT
 GOLF PRACTICE FACILITY ADDITION**
 7815 N. RADNOR ROAD, PEORIA ILLINOIS 61615
 DKA PROJECT NO: 22-051



DATE: 4/9/2024

KEY PLAN:

SHEET STATUS: APRIL 9, 2024
BIDDING AND PERMIT SET

NO.	DESCRIPTION:	DATE:
3	ADD #4	04/25/24
4	ADD #5	04/30/24

SHEET TITLE:
**ONE-LINE DIAGRAMS
 AND DISTRIBUTION
 DETAILS**

SHEET NUMBER:

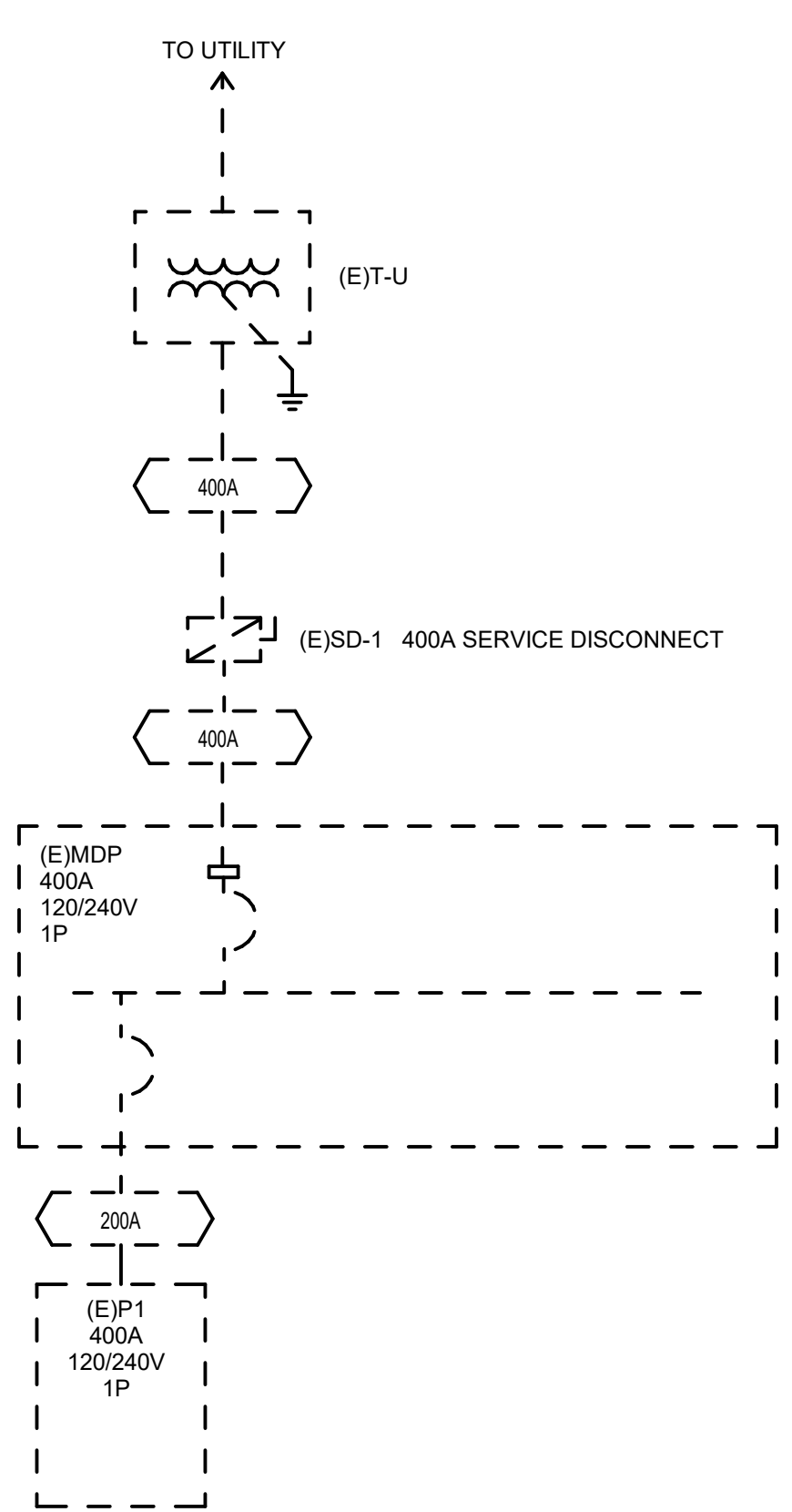
E2.0

ID Mark	Voltage Nominal	Phase	Apparent Power	MOC	Panel	Circuit Number	Wire Callout
AC-1	208 V	1	208 VA	20 A	P1	23.25	3/4", 2#10, #10G
AC-2	208 V	1	112 VA	20 A	P1	27.29	3/4", 2#10, #10G
AC-3	208 V	1	208 VA	20 A	P3	1.3	3/4", 2#10, #10G
ACCU-1	208 V	1	3744 VA	30 A	P1	24.26	3/4", 2#10, #10G
ACCU-1X	208 V	1	5408 VA	40 A	P1	60.62	3/4", 2#6, #8N, #10G
ACCU-2	208 V	1	3536 VA	30 A	P1	28.30	3/4", 2#10, #10G
ACCU-3	208 V	1	2288 VA	20 A	P2	16.18	3/4", 2#10, #10G
BAG-N-BOX-1	120 V	1	1440 VA	20 A	P1	64	3/4", 1#10, #10G
BAG-N-BOX-2	120 V	1	1440 VA	20 A	P2	23	3/4", 1#10, #10G
BD-1	120 V	1	24 VA	20 A	P1	67	3/4", 1#10, #10G
BD-2	120 V	1	24 VA	20 A	P3	48	3/4", 1#10, #10G
COOLER CONDENSER	208 V	3	5404 VA	20 A	K	48.50	3/4", 3#10, #10G
COOLER EVAPORATOR	208 V	1	1040 VA	20 A	K	47.49	3/4", 2#10, #10G
COOLER LTS	120 V	1	600 VA	20 A	K	41	3/4", 1#10, #10G
DISP-1	208 V	3	2162 VA	20 A	K	28.30	3/4", 3#10, #10G
DOOR HEATER	120 V	1	600 VA	20 A	K	40	3/4", 1#10, #10G
DOOR HEATER	120 V	1	575 VA	20 A	K	41	3/4", 1#10, #10G
DW-1	208 V	3	17853 VA	70 A	K	27.29	1-1/4", 3#4, #4N, #8G
EF-1	208 V	1	2912 VA	30 A	P1	15.11	3/4", 2#10, #10G
EF-106	120 V	1	168 VA	20 A	P1	1	3/4", 1#10, #10G
EF-107	120 V	1	168 VA	20 A	P1	1	3/4", 1#10, #10G
EF-108	208 V	1	2702 VA	20 A	K	53.55	3/4", 2#10, #10G
EF-109	208 V	1	2702 VA	20 A	K	54.56	3/4", 2#10, #10G
EPH-113	208 V	1	1959 VA	20 A	P2	13.15	3/4", 2#10, #10G
EPH-114	208 V	1	1959 VA	20 A	P2	8.10	3/4", 2#10, #10G
EPH-204	208 V	1	1959 VA	20 A	P3	17.19	3/4", 2#10, #10G
EPH-205	208 V	1	1959 VA	20 A	P3	23.25	3/4", 2#10, #10G
EUH-2	208 V	1	4160 VA	30 A	P1	16.18	3/4", 2#10, #10G
EUH-3	208 V	1	4160 VA	30 A	P1	19.21	3/4", 2#10, #10G
EUH-4	208 V	1	4160 VA	30 A	P1	20.22	3/4", 2#10, #10G
EUH-113	208 V	1	2080 VA	20 A	P2	9.11	3/4", 2#10, #10G
EUH-114	208 V	1	2080 VA	20 A	P2	12.14	3/4", 2#10, #10G
EUH-204	208 V	1	2080 VA	20 A	P3	16.18	3/4", 2#10, #10G
EUH-205	208 V	1	2080 VA	20 A	P3	20.22	3/4", 2#10, #10G
FAA	120 V	1	1440 VA	20 A	P1	66	3/4", 1#10, #10G
FIRE PROT. SYS (HOOD)	120 V	1	1800 VA	20 A	K	3	3/4", 1#10, #10G
FREEZER CONDENSER	208 V	3	7097 VA	20 A	K	42.44	3/4", 3#10, #10G
FREEZER EVAPORATOR	208 V	1	1040 VA	20 A	K	43.45	3/4", 2#10, #10G
GAS SOLENOID	120 V	1	600 VA	20 A	K	7	3/4", 1#10, #10G
HOOD PANEL	120 V	1	900 VA	20 A	K	2	3/4", 1#10, #10G
ICE MAKER	208 V	1	3328 VA	20 A	K	59.61	3/4", 2#10, #10G
MAU-1	208 V	1	13499 VA	80 A	MDP	5	1-1/4", 3#2, #2N, #8G
RTU-1	208 V	1	9152 VA	40 A	MDP	4	3/4", 3#8, #8N, #10G
RTU-2	208 V	3	25218 VA	60 A	MDP	6	1-1/4", 3#4, #4N, #10G
SCP	120 V	1	1440 VA	20 A	P1	31	3/4", 1#10, #10G
SPEED BAR	120 V	1	180 VA	20 A	P1	55	3/4", 1#10, #10G
UH-115	120 V	1	360 VA	20 A	P2	5	3/4", 1#10, #10G
WH-2	120 V	1	1800 VA	20 A	P3	15	3/4", 1#10, #10G

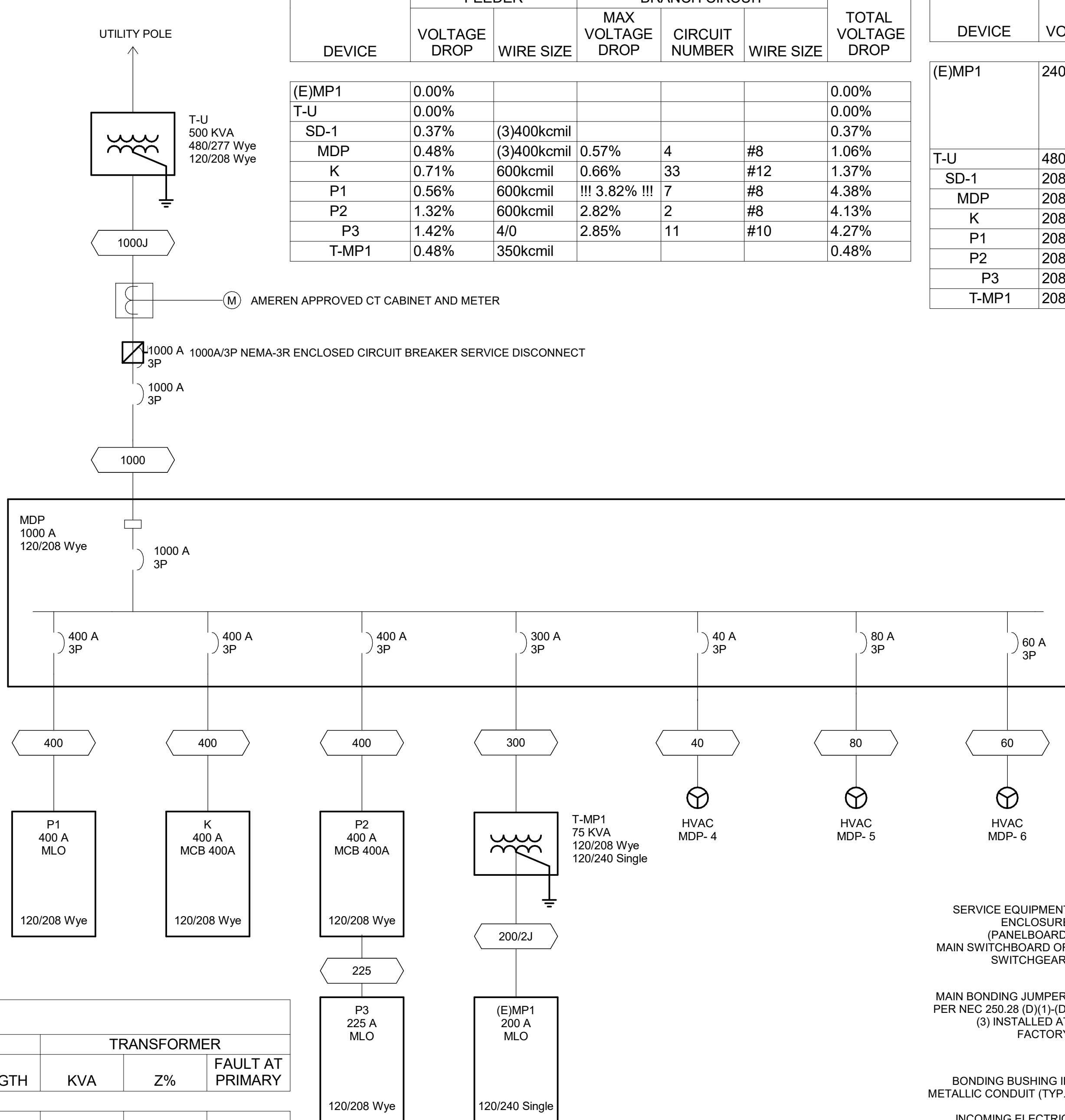
DEVICE	VOLTAGE	INCIDENT ENERGY	WORKING DISTANCE	ARC-FLASH BOUNDARY DISTANCE
(E)MP1	240V	2,645,084,330.2 4 cal/cm ² Lee Method Fault > 106,000A	1'-0"	47046'-10"
T-U	480V	1,039.04 cal/cm ²	1'-0"	27'-12"
SD-1	208V	428.36 cal/cm ²	1'-0"	18'-1"
MDP	208V	407.60 cal/cm ²	1'-0"	17'-8"
K	208V	259.30 cal/cm ²	1'-0"	14'-2"
P1	208V	359.40 cal/cm ²	1'-0"	16'-7"
P2	208V	156.71 cal/cm ²	1'-0"	11'-0"
P3	208V	138.65 cal/cm ²	1'-0"	10'-5"
T-MP1	208V	124.45 cal/cm ²	1'-0"	9'-10"

DEVICE	FEEDER		BRANCH CIRCUIT		TOTAL VOLTAGE DROP
	VOLTAGE DROP	WIRE SIZE	MAX VOLTAGE DROP	CIRCUIT NUMBER	
(E)MP1	0.00%				0.00%
T-U	0.00%				0.00%
SD-1	0.37%	(3)400kcmil	0.57%	4	0.37%
MDP	0.48%	(3)400kcmil	0.66%	33	1.06%
K	0.71%	600kcmil	1.11%	7	1.37%
P1	0.56%	600kcmil	1.32%	11	4.38%
P2	1.32%	600kcmil	2.82%	2	4.13%
P3	1.42%	4/0	2.85%	1	4.27%
T-MP1	0.48%	350kcmil			0.48%

Size	Configuration
40	3/4", 3-#8, #8N, #8G
60	1-1/4", 3-#4, #4N, #8G
80	1-1/4", 3-#3, #8N, #8G
200/2J	2", 3-3/0, 3/0 N, #4G
225	2-1/2", 3-4/0, 4/0 N, #2G
300	3", 3-350kcmil, 350kcmil N, #2G
400	3", 3-600kcmil, 600kcmil N, 1/0G
1000	(3)4", 3-400kcmil, 400kcmil N, 1/0G
1000J	(3)4", 3-400kcmil, 400kcmil N, 1/0G



1 EXISTING ONE-LINE DIAGRAM
 SCALE: NOT TO SCALE



2 NEW ONE-LINE DIAGRAM
 SCALE: NOT TO SCALE

DEVICE	FAULT AT DEVICE	AIC RATING	FEEDER		TRANSFORMER		FAULT AT PRIMARY
			SIZE	LENGTH	KVA	Z%	
(E)MP1	UTILITY	10,000 AMPS SYMMETRICAL	240V				UTILITY
T-U	55,554		480V		500	2.5	
SD-1	41,819		208V	(3)400kcmil 45'			
MDP	38,750	14,000	208V	(3)400kcmil 14'			
K	22,652	10,000 AMPS SYMMETRICAL	208V	600kcmil 49'			
P1	32,683	14,000	208V	600kcmil			
P2	13,891	10,000 AMPS SYMMETRICAL	208V	600kcmil			
P3	12,395	10,000 AMPS SYMMETRICAL	208V	4/0 16'			
T-MP1	11,217	10,000	208V	350kcmil 19'	75	1.75	29,546

EXISTING MAIN PANEL (FOR REFERENCE ONLY)

NEW MAIN DISTRIBUTION PANEL

Branch Panel: (E)MP1
 Location: MECHANICAL 111
 Supply From: (E)SD-1
 Mounting: SURFACE
 Enclosure: NEMA 1
 Volts: 120/240 Single
 Phases: 1
 Wires: 3
 A.I.C. Rating: 10,000 AMPS SYMMETRICAL
 Mains Type: MAIN CB
 Mains Rating: 400 A
 MCB Rating: 400 A

Switchboard: MDP
 Location: IT/ELECTRICAL 110
 Supply From: SD-1
 Mounting: SURFACE
 Enclosure: Type 1
 Volts: 120/208 Wye
 Phases: 3
 Wires: 4
 A.I.C. Rating: 14,000
 Mains Type: MCB
 Mains Rating: 1000 A
 MCB Rating: 1000A

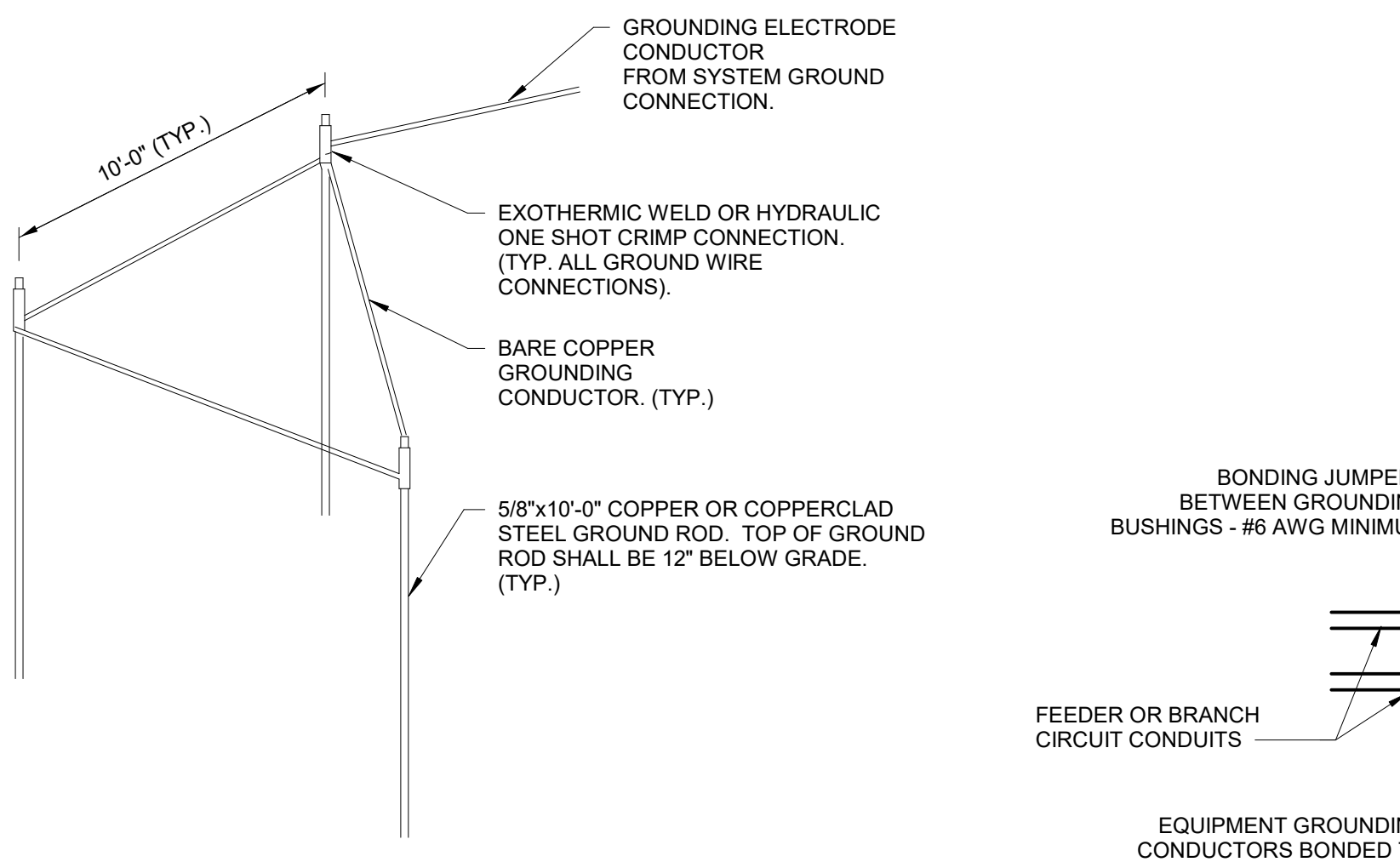
CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT
1	RANGE LTS POLE #1	30 A	2	0 VA	0 VA	2	30 A	RANGE LTS POLE #2	2
3	--	--	--	--	--	--	--	--	4
5	RANGE LTS POLE #3	30 A	2	0 VA	0 VA	2	30 A	RANGE LTS POLE #4	6
7	--	--	--	--	--	--	--	--	8
9	RANGE LTS POLE #5	30 A	2	0 VA	0 VA	2	30 A	RANGE LTS POLE #6	10
11	--	--	--	--	--	--	--	--	12
13	RANGE LTS POLE #7	30 A	2	0 VA	0 VA	2	30 A	RANGE LTS POLE #8	14
15	--	--	--	--	--	--	--	--	16
17	RANGE LTS POLE #9	30 A	2	0 VA	0 VA	2	30 A	RANGE LTS POLE #10	18
19	--	--	--	--	--	--	--	--	20
21	RANGE LTS POLE #11	30 A	2	0 VA	0 VA	2	30 A	RANGE LTS POLE #12	22
23	--	--	--	--	--	--	--	--	24
25	RANGE LTS POLE #13	30 A	2	0 VA	0 VA	2	30 A	RANGE LTS POLE #14	26
27	--	--	--	--	--	--	--	--	28
29	RANGE LTS POLE #15	30 A	2	0 VA	0 VA	2	30 A	RANGE LTS POLE #16	30
31	--	--	--	--	--	--	--	--	32
33	PARKING LOT	20 A	2	0 VA	0 VA	1	20 A	SIGN LIGHT FLAG POLE LIGHT	34
35	--	--	--	--	--	--	--	--	36
37	CONV OVEN	20 A	2	0 VA	0 VA	2	20 A	DISHWASHER	38
39	--	--	--	--	--	--	--	--	40
41	IRRIGATION CONTROLLER	20 A	1	0 VA	0 VA	2	20 A	BALL WASH SHED	42
Total Load:				0 VA	0 VA				
Total Amps:				0 A	0 A				

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	P1	3	400 A	400 A	66373 VA	
2	K	3	400 A	400 A	68431 VA	
3	P-2	3	400 A	400 A	81999 VA	
4	RTU-1	3	40 A	40 A	9152 VA	
5	MAU-1	3	80 A	80 A	13499 VA	
6	RTU-2	3	60 A	60 A	25218 VA	
7	T-H	3	300 A	300 A	0 VA	
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20	MAIN	3	1000 A	1000 A	0 VA	
Total Conn. Load:					263938 VA	
Total Amps:					733 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Equipment	7905 VA	100.00%	7905 VA	
HVAC	63373 VA	100.00%	63373 VA	
Heating	26327 VA	100.00%	26327 VA	
KITCHEN EQUIP	67110 VA	65.00%	43621 VA	
Lighting	108 VA	125.00%	135 VA	
Other	360 VA	100.00%	360 VA	
Power	0 VA	0.00%	0 VA	
LITES	30279 VA	125.00%	37848 VA	
RCPT	49360 VA	60.13%	29680 VA	
FIRE ALARM	1200 VA	100.00%	1200 VA	
SPEC	0 VA	0.00%	0 VA	
MTR	20623 VA	103.28%	21298 VA	
Total Conn. Load: 0 VA				
Total Est. Demand: 0 A				

NOTE: REFER TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, ARTICLE 250 - GROUNDING AND BONDING FOR ADDITIONAL INFORMATION.

3 GROUNDING DETAIL - SYSTEM EQUIPMENT
 SCALE: NOT TO SCALE

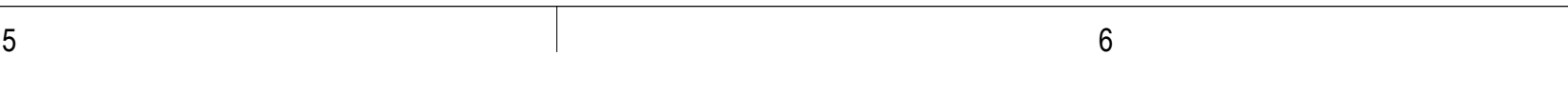


NOTES:
 1. PERFORM A FALL-OF-POTENTIAL OR ATTACHED ROD TECHNIQUE FOR MEASUREMENT OF GROUNDING. REFER TO SPECIFICATION SECTION 16060 FOR ADDITIONAL INFORMATION.

4 GROUND GRID DETAIL
 SCALE: NOT TO SCALE



5 GROUNDING DETAIL- GROUNDING BUSHING REQUIREMENTS
 SCALE: NOT TO SCALE





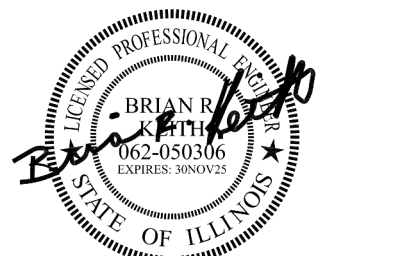
ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 100 HARRISON STREET
 PEORIA, IL 61602
 P: 309.282.0100

STRUCTURAL ENGINEER
RLG CONSULTING ENGINEERS
 412 SW WASHINGTON STREET
 PEORIA, IL - 61602
 T: 309.713.2885

MFP FIRE PROTECTION
KEITH ENGINEERING DESIGN
 707 NE JEFFERSON AVENUE
 PEORIA, IL - 61603
 T: 309.938.4005

CIVIL ENGINEER
AUSTIN ENGINEERING, CO INC.
 311 SW WASHINGTON STREET,
 SUITE 215 PEORIA, IL - 61602
 T: 309.204.0694

PEORIA PARK DISTRICT
GOLF PRACTICE FACILITY ADDITION
 7815 N. RADNOR ROAD, PEORIA ILLINOIS 61615
 DKA PROJECT NO: 22-051



DATE: 4/9/2024

KEY PLAN:

SHEET STATUS: APRIL 9, 2024
BIDDING AND PERMIT SET

NO.	DESCRIPTION:	DATE:
1	ADD #1	04/16/24
4	ADD #5	04/30/24

SHEET TITLE:
TELECOMM. RISER, SCHEDULE, AND NOTES

SHEET NUMBER:

E4.1

4/30/2024 2:33:57 PM

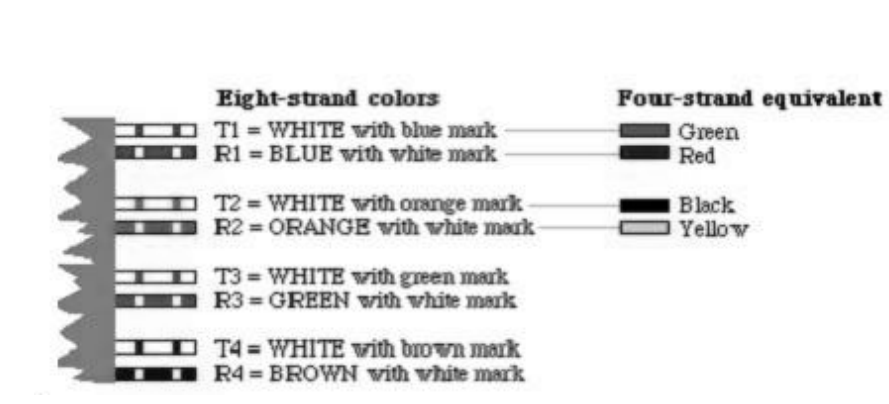
TELEPHONE AND DATA EQUIPMENT SCHEDULE

ITEM	SYMBOL	DESCRIPTION	MANUFACTURER
1	MDF	MAIN TELECOMMUNICATIONS RACK, FOUR-POST, SHALL HAVE MINIMUM 45RU. FURNISHED BY OWNER, INSTALLED BY OWNERS I.T. REPRESENTATIVE. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES BETWEEN DATA RACKS AND EQUIPMENT. COORDINATE ALL WORK WITH THE OWNER'S IT REPRESENTATIVE PRIOR TO INSTALLATION.	FURNISHING AND INSTALLATION OF EQUIPMENT AND TERMINATIONS SHALL BE DONE BY THE OWNERS I.T. REPRESENTATIVE. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN CONDUIT, BACK BOXES, AND CABLING.
2	IDF-1, A/V DATA RACK AND ACCESSORIES	WALL MOUNTED DATA RACK, SHALL HAVE A MINIMUM OF 24 RU FOR EQUIPMENT. FURNISHED BY OWNER, INSTALLED BY OWNERS I.T. REPRESENTATIVE. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES BETWEEN DATA RACKS AND EQUIPMENT. E.C. SHALL BE RESPONSIBLE FOR PULLING ALL A/V ASSOCIATED CABLING TO EQUIPMENT RACKS FOR TERMINATION BY OWNERS I.T./A.V. REPRESENTATIVE. COORDINATE ALL WORK WITH THE OWNER'S IT REPRESENTATIVE PRIOR TO INSTALLATION.	FURNISHING AND INSTALLATION OF EQUIPMENT, CABLING, AND TERMINATIONS SHALL BE DONE BY THE OWNERS I.T. REPRESENTATIVE. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN CONDUIT AND BACK BOXES AND A/V CABLING
3	NEW TELE-DATA OUTLET	NEW TELECOMMUNICATIONS VOICE/ DATA OUTLET. ROUGH-IN AND CABLED BY THE ELECTRICAL CONTRACTOR, TERMINATED BY A CERTIFIED IT INSTALLER. THE INSTALLER'S PROPOSAL SHALL BE INCLUDED AS PART OF THE ELECTRICAL CONTRACTOR'S BID PROPOSAL. COVERPLATE SHALL CONSIST OF A MODULAR FOUR PORT CONFIGURATION. ALL UNUSED PORTS SHALL HAVE REMOVABLE BLANKS INSERTED FOR FUTURE USE. 'ID' SUBSCRIPT NEXT TO SYMBOL INDICATES THE QUANTITY OF DATA OUTLETS TO BE PROVIDED IN THE OPENING. EACH JACK SHALL BE A RJ-45 CATEGORY 6 OUTLET. ALL DATA CABLING SHALL BE BLUE CATEGORY 6 PLURAL RATED FOUR PAIR CABLE. ALL CABLES SHALL BE TERMINATED TO A NEW PATCH PANEL IN THE UPPER RIGHT RACK IN MDF-1. CABLING MAY BE ROUTED OPEN ABOVE ACCESSIBLE CEILINGS. ALL EXPOSED CABLING SHALL BE ROUTED IN CONDUIT IN UNFINISHED AREAS.	SYSTEMAX ELECTRICAL CONTRACTOR TO PROVIDE ALL ROUGH-IN AND CABLING LABOR AND MATERIALS. OWNERS A/V REPRESENTATIVE SHALL PROVIDE ALL DATA MEDIA SYSTEM COMPONENT MATERIALS AND LABOR AND SHALL BE INCLUDED IN THE ELECTRICAL BID PROPOSAL. COVER PLATE SYSTEMAX SYSTEMAX CONNECTORS SYSTEMAX CABLE SYSTEMAX J-ROCKS PANDUIT JP2W-L20 PANDUIT JP4W-X20 HOOK AND LOOP TAPE PANDUIT TTS-20R0
4	AP _{ID}	TELECOMMUNICATIONS WIRELESS ACCESS POINT FURNISHED AND INSTALLED BY OWNERS I.T. REPRESENTATIVE. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES.	INSTALLED, TERMINATED AND TESTED BY THE OWNERS I.T. REPRESENTATIVE.
5	FTS	FIBER TERMINATION SHELF, RACK MOUNTED FIBER DISTRIBUTION ENCLOSURE, FIBER ADAPTER PANELS, AND TYPE LC FIBER CONNECTORS. OWNERS IT REPRESENTATIVE SHALL TERMINATE AND TEST ALL FIBER OPTIC CABLING AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.	SYSTEMAX FIBER TRAY FIBER ADAPTER MODULES FIBER CONNECTORS
6	DMPP	MODULAR PATCH PANEL FURNISHED AS PART OF MDF. SEE PLANS AND SPECIFICATIONS FOR DESCRIPTION. PROVIDE QUANTITY AS REQUIRED BY THE NUMBER OF CABLES AND SPARE CAPACITY REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.	SYSTEMAX FLAT PLATE PATCH PANEL
7	TGB-1	MAIN TELECOMMUNICATIONS GROUND BAR, HIGH CONDUCTIVITY COPPER AND TIN-PLATED TO INHIBIT CORROSION. 14" X 2" X 1/2" PRE-ASSEMBLED WITH BRACKETS AND INSULATORS ATTACHED. SEE DRAWINGS FOR QUANTITIES, LOCATIONS AND ADDITIONAL WORK REQUIRED.	PANDUIT GB2B0306TP-1
8	TTB-1	TELEPHONE TERMINAL BOARD FURNISH AND INSTALL ONE 4" X 8" X 3/4" FIRE RATED PLYWOOD. PROVIDE TWO COATS OF FIRE RESISTANT WHITE PAINT. MOUNT VERTICALLY TO WALL SUCH THAT THE MIDDLE OF THE PLYWOOD IS 48" ABOVE FINISHED FLOOR.	
9	CS ₁	COAXIAL CEILING SPEAKER, 8" DIAMETER, 60W, 70.7V/100V TRANSFORMER, 90dB SENSITIVITY, FRONT MOUNTED TAP SELECTOR. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES. VERIFY MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.	ATLAS IED FAP82T FURNISHED BY OWNERS A/V REPRESENTATIVE
10	CS ₂	COAXIAL CEILING SPEAKER, 8" DIAMETER, 16W, 70.7V/100V TRANSFORMER, 90dB SENSITIVITY, FRONT MOUNTED TAP SELECTOR. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES. VERIFY MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.	ATLAS IED FAP42T FURNISHED BY OWNERS A/V REPRESENTATIVE
11	CS ₃	DROP-IN 2'X2' CEILING SPEAKER, SUITABLE FOR USE IN GRID CEILINGS, ALUMINUM WOOFERS, 360 DEGREES HEMISPHERICAL SOUND, FIRE RETARDANT ABS MATERIAL, CAN BE PAINTED TO MATCH CEILING, 160W, 92dB SENSITIVITY, 70V TRANSFORMER. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES.	PURE RESONANCE SD4 FURNISHED BY OWNERS A/V REPRESENTATIVE
12	CS ₄	8" 2-WAY ALL-WEATHER SPEAKER, INJECTION MOLDED, UV RESISTANT, POWDER COATED ALUMINUM GRILLS, BLACK HOUSING, 80W, 70V/100V TRANSFORMER, 92dB SENSITIVITY. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES.	ATLAS IED SM82T-B FURNISHED BY OWNERS A/V REPRESENTATIVE
13	CC	OWNER PROVIDED CAMERA, G5 BULLET. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES COORDINATE FINAL LOCATIONS WITH OWNERS A/V REPRESENTATIVE PRIOR TO ROUGH-IN. INSTALLED AND CABLED BY OWNERS A/V REPRESENTATIVE.	OWNER SUPPLIED AND INSTALLED G5 BULLET
14	CC	OWNER PROVIDED CAMERA, G4 PTZ. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES INSTALLED AND CABLED BY OWNERS A/V REPRESENTATIVE.	OWNER SUPPLIED AND INSTALLED G4 PTZ
15	TOP TRACER	TOP TRACER RACK MOUNTED SERVER FOR RANGE SYSTEM, 2RU. FURNISHED, INSTALLED, AND CABLED BY TOP TRACER SYSTEM INSTALLER.	TOP TRACER RACK EQUIPMENT FURNISHED AND INSTALLED BY TOP TRACER SYSTEM INSTALLER.

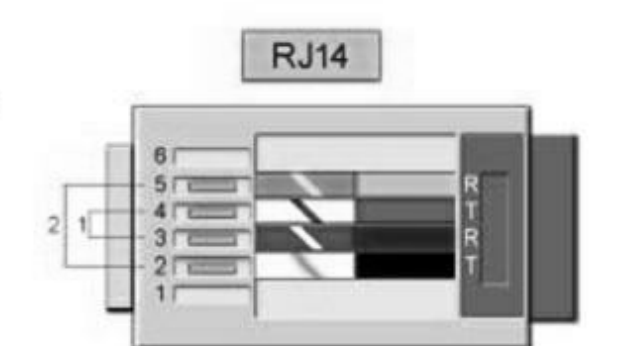
Straight-Through Ethernet Cable Pin Out for T568B

RJ45 Pin #	Wire Color (T568B)	Wire Diagram (T568B)
1	White/Orange	
2	Orange	
3	White/Green	
4	Blue	
5	White/Blue	
6	Green	
7	White/Brown	
8	Brown	

Telephone Married Colors

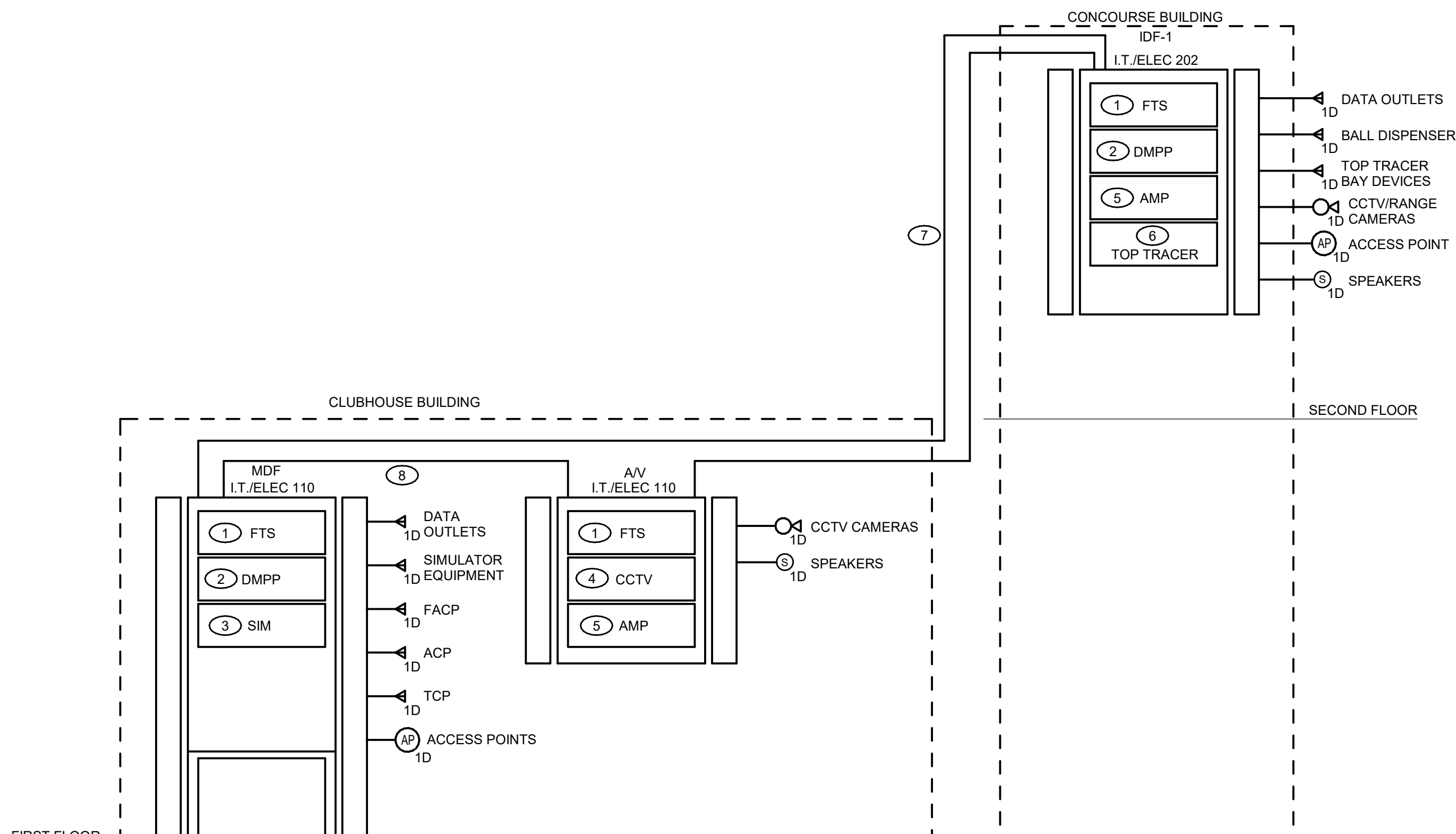


Telephone Jack RJ14 wire map



RJ 45 CONNECTOR DETAIL
 SCALE: NOT TO SCALE

NOTE:
 SYSTEMAX USED FOR BASIS OF DESIGN OF NETWORK AND I.T. COMPONENTS AND CABLING. ALTERNATE MANUFACTURERS MAY BE USED THAT CAN MEET OR EXCEED DESIGN STANDARDS OF THE SYSTEMAX SYSTEM. ACCEPTABLE ALTERNATES INCLUDE BUT NOT LIMITED TO:
 -COMMSCOPE
 -PANDUIT

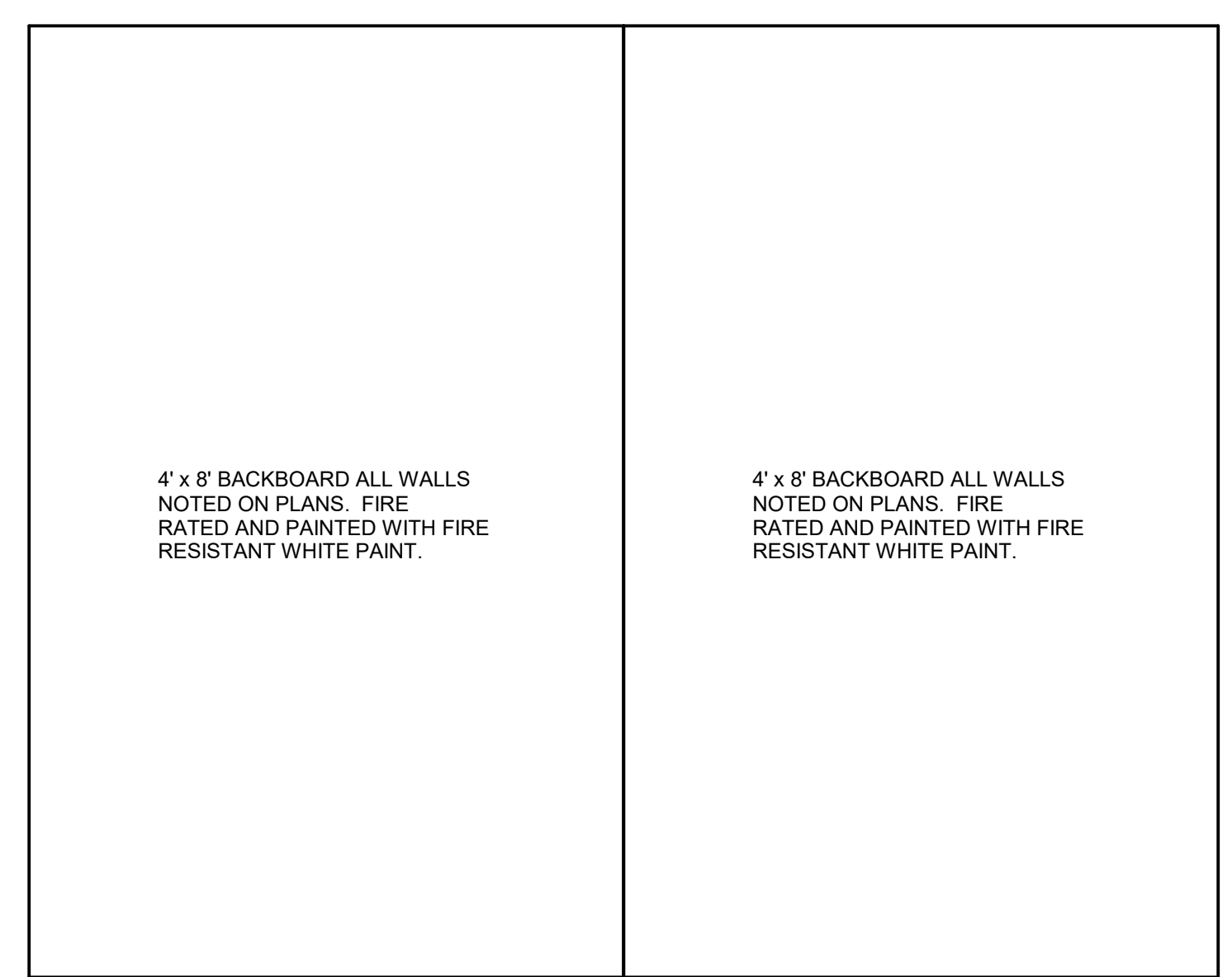
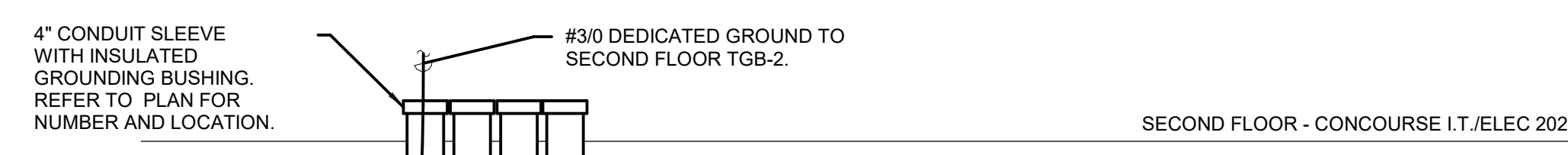


NOTES:
 FURNISH AND INSTALL TWO UNDERGROUND 3" PVC CONDUIT FROM MDF IN I.T./ELECTRICAL 110 TO IDF-1 IN HITTING BAY/CONCOURSE I.T./ELEC 202. INCLUDE ALL CUTTING, CORING, PATCHING AND FIRE SEALING IN BID PROPOSAL. COORDINATE EXACT LOCATIONS WITH THE PROJECT MANAGER AND THE OWNER'S IT REPRESENTATIVE PRIOR TO INSTALLATION.

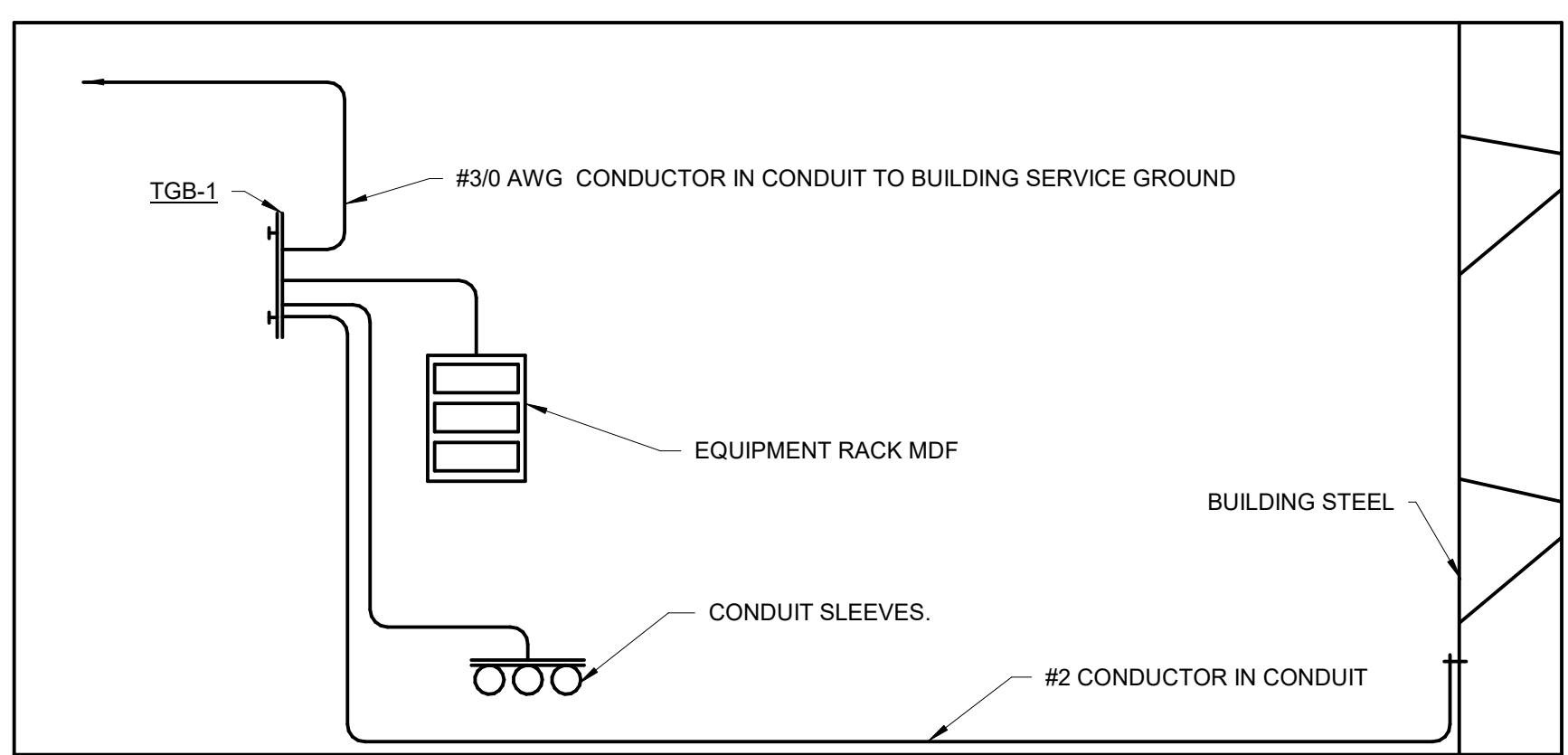
1 TELECOMMUNICATION CONDUIT RISER DIAGRAM
 SCALE: NOT TO SCALE

KEYED ELECTRICAL NOTES (THIS SHEET):

- FIBER TERMINATION SHELF, FURNISHED, INSTALLED, AND CABLED BY OWNERS I.T. REPRESENTATIVE.
- MODULAR PATCH PANEL, OWNERS I.T. SHALL VERIFY QUANTITIES FOR EACH EQUIPMENT RACK AND SHALL FURNISH AND INSTALL ALL PANELS AND ASSOCIATED CABLING AND TERMINATIONS.
- GOLF SIMULATOR EQUIPMENT, FURNISHED AND INSTALL BY GOLF SIMULATOR SUPPLIER/INSTALLER. OWNERS I.T. SHALL VERIFY REQUIRED RACK UNIT SPACE FOR EQUIPMENT RACK SIZING.
- CCTV CAMERA SYSTEM SERVER AND ASSOCIATED RACK MOUNTED EQUIPMENT, FURNISHED AND INSTALLED BY CCTV SYSTEM INSTALLER. VERIFY REQUIRED RACK UNIT SPACE FOR EQUIPMENT RACK SIZING.
- AUDIO SYSTEM AMPLIFIER AND HEAD UNIT, FURNISHED AND INSTALLED BY OWNERS A/V REPRESENTATIVE. VERIFY REQUIRED RACK UNIT SPACE FOR EQUIPMENT RACK SIZING.
- TOP TRACER RANGE SYSTEM SERVER AND ASSOCIATED RACK MOUNTED EQUIPMENT, FURNISHED AND INSTALLED BY TOP TRACER SYSTEM INSTALLER. OWNERS I.T. SHALL VERIFY REQUIRED RACK UNIT SPACE FOR EQUIPMENT RACK SIZING.
- E.C. SHALL PROVIDE THREE 3" UNDERGROUND PVC CONDUIT FROM MDF-1 TO IDF-1 FOR TELECOMMUNICATIONS CABLING.
- FIBER CABLING BETWEEN ALL DATA RACKS SHALL BE FURNISHED, INSTALLED, AND TERMINATED BY OWNERS I.T. REPRESENTATIVE.

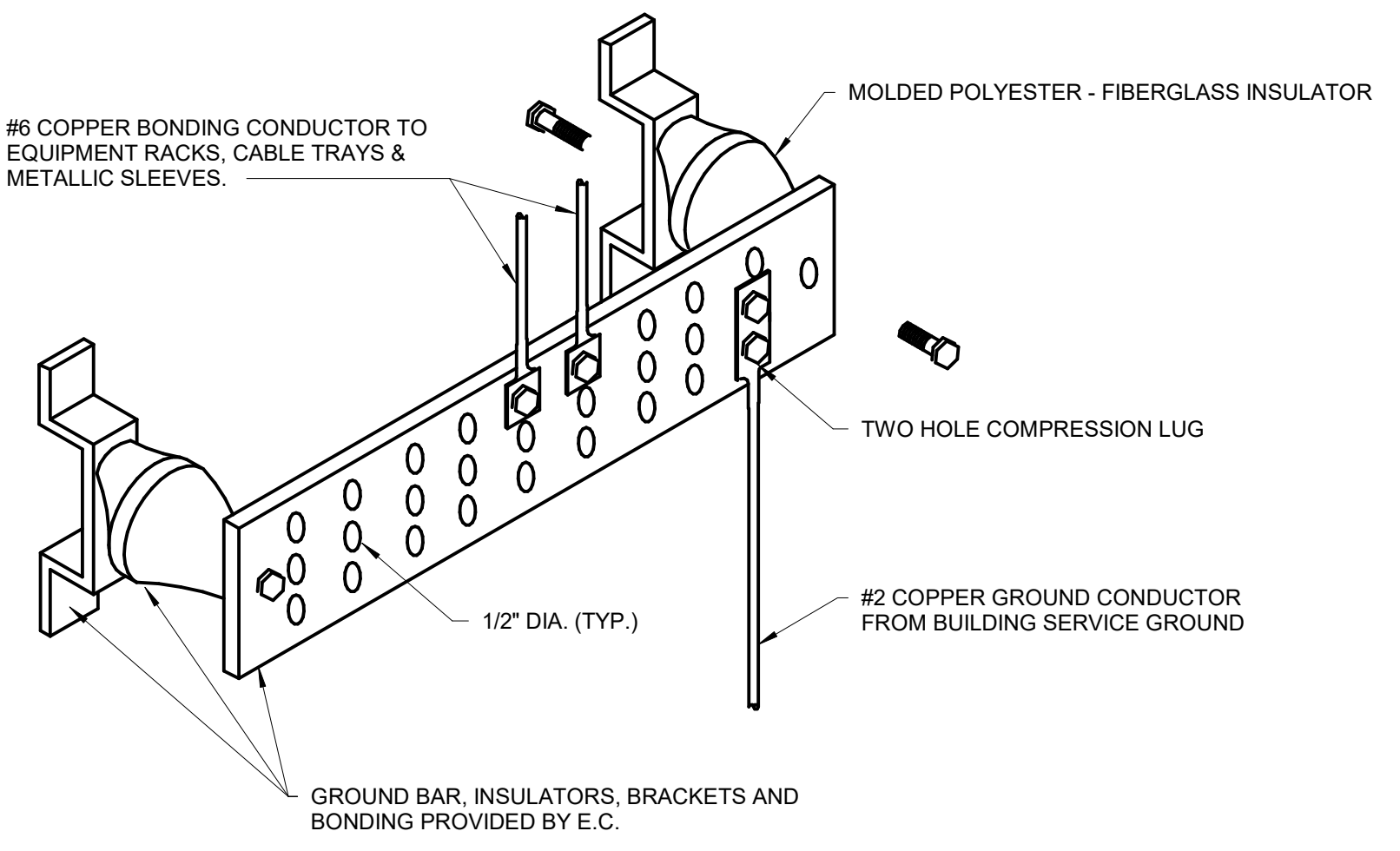


3 TELECOM TYPICAL TTB ELEVATION
 SCALE: NOT TO SCALE



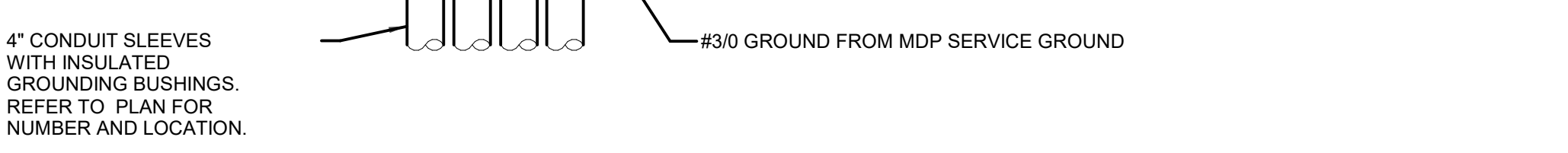
NOTES:
 1. ALL CONDUCTORS IN THIS GROUNDING RISER SHALL BE #6 AWG COPPER CONDUCTORS (GREEN) UNLESS DISTANCE IS GREATER THAN 12 FEET.
 2. GROUNDING DETAIL IS DIAGRAMMATIC, REFER TO ENLARGED PLANS FOR QUANTITIES AND LOCATION OF EQUIPMENT.

4 TELECOMMUNICATIONS ROOM GROUNDING DETAIL
 SCALE: NOT TO SCALE



NOTES:
 1. MOUNT BAR AT +24" A.F.F.

5 TGB-1 GROUND BAR DETAIL
 SCALE: NOT TO SCALE



NO.	DESCRIPTION:	DATE:
1	ADD #1	04/16/24
2	ADD #2	04/22/24
4	ADD #5	04/30/24

CALLOUT	SYMBOL	DESCRIPTION	MODEL
A		RECESSED 2X2 SWITCHABLE LED FLAT PANEL, WHITE ALUMINUM HOUSING, SUITABLE FOR USE IN A 2X2 GRID CEILING. UNIVERSAL INPUT VOLTAGE, 23.0 WATTS, 3000 LUMEN OUTPUT, 4000K COLOR TEMPERATURE, 80 CRI, 0-10V DIMMING, DIMS TO 10%. SET FIXTURE TO 3300 LUMEN OUTPUT AND 4000K COLOR TEMPERATURE WHEN INSTALLED.	LITHONIA CPX 2X2 AL07 SWW7 M4 COLUMBIA CPX 2X2 AL07 SWW7 M4 METALUX 24PFL52C3T3
B		RECESSED 2X2 LED TROFFER, WHITE STEEL HOUSING, SUITABLE FOR USE IN A 2X2 GRID CEILING. UNIVERSAL INPUT VOLTAGE, 28.8 WATTS, 3300 LUMEN OUTPUT, 40K COLOR TEMPERATURE, 80 CRI, 0-10V DIMMING, DIMS TO 10%.	MARK ARCHITECTURAL WHSPR 2X2 80CRI 40K 3300LM MIN10 MVOLT SWC ZT LITHONIA 2BLT L33 SDSM GZ10 WH FINELITE HPR LED F 2X2 S 840 DCO SC FC-10%
C		CANDELABRA CHANDELIER, 26" DIAMETER, 13" HEIGHT, STEEL CONSTRUCTION, 120V INPUT, 4/25W T8 CANDELABRA BULB, E12 BASE, BLACK FINISH, FURNISHED WITH EXTENSION RODS. COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ORDERING. BULBS: T8 CANDELABRA BULBS, 0.8W LED, 25 LUMEN, 2700K COLOR TEMPERATURE, E12 BASE. FOR ADDITIONAL FIXTURE INFORMATION SEE REFERENCED RETAILER WEBSITE AT: WWW.CRATEANDBARREL.COM	IQONA SMALL BLACK CANDELABRA CHANDELIER LAMP: SATCONUVO S9176
D		BALLAST: DEEP BOWL PENDANT, 18" NOMINAL DIAMETER, ALUMINUM HOUSING, E26 EDISON BASE SOCKET, SUITABLE FOR LED OR INCANDESCENT LAMPS, WHITE INTERIOR FINISH, BLACK EXTERIOR FINISH, ADJUSTABLE LENGTH HOOK STRAIGHT MOUNTING, 120VOLT INPUT. LAMP: LED EDISON E26 LAMP, 120V, 5W, 4000K COLOR TEMPERATURE, 90 CRI, DIMMABLE. E.C. SHALL COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.	BALLAST: RLM CLASSICS DB1817NC LAMP: SATCONUVO S12410 APPROVED EQUIVALENTS
E1		COMBINATION EMERGENCY/EXIT FIXTURE, LED, TOP/BACK/SIDE MOUNTED, STENCIL FACE, WHITE THERMOPLASTIC HOUSING, SINGLE FACE WITH EXTRA FACE PLATE AND COLOR PANEL, FOR FIELD CONVERSION TO DOUBLE FACE, RED PANEL, 120/277-VOLT INPUT, WITH NICKEL CADMIUM BACK-UP BATTERY TO PROVIDE 90 MINS OF EMERGENCY POWER. CONNECT FIXTURE AND BATTERY PACK TO AN UNSWITCHED PORTION OF THE LOCAL LIGHTING CIRCUIT.	LITHONIA LHQM LED R SURE LITES APC 7 R WILLIAMS EXIT/EMLED R WHT D
E2		SAME AS FIXTURE TYPE 'E1' EXCEPT FIXTURE SHALL HAVE HIGH OUTPUT BATTERY OPTION WITH 3W OF REMOTE HEAD CAPACITY.	LITHONIA LHQM LED R HO SURE LITES APC H 7 R WILLIAMS EXIT/EMLED R WHT RC D
E3		EXIT SIGN, LED, TOP/BACK/SIDE MOUNTED, STENCIL FACE, WHITE THERMOPLASTIC HOUSING, SINGLE FACE WITH EXTRA FACE PLATE AND COLOR PANEL, FOR FIELD CONVERSION TO DOUBLE FACE, RED PANEL, 120/277-VOLT INPUT, KNOCKOUT DIRECTIONAL CHEVRONS, WITH INTEGRAL NICKEL CADMIUM BACK-UP BATTERY TO PROVIDE 90 MINS OF EMERGENCY POWER. CONNECT FIXTURE AND BATTERY PACK TO AN UNSWITCHED PORTION OF THE LOCAL LIGHTING CIRCUIT.	LITHONIA LOM S W 3 R MVOLT EL N SURE LITES APX 7 R WILLIAMS EXIT R EM WHT
E4		SQUARE LED REMOTE HEAD LAMPS, TWO LAMPS, 2W EACH LAMP, THERMOPLASTIC, SEALED AND GASKETED WEATHERPROOF HOUSING, GRAY FINISH, COMPATIBLE WITH FIXTURE TYPE 'E2' FOR BATTERY POWER. CONNECT FIXTURE TO AN UNSWITCHED PORTION OF THE LOCAL LIGHTING CIRCUIT.	LITHONIA ERE GY 7 SQ WP SURE LITES WILLIAMS DRHL T WHT HL MV
EM		EMERGENCY LED LIGHTING UNIT, MINIMUM 90-MINUTE ILLUMINATION UPON LOSS OF POWER, COMPACT, LOW-PROFILE THERMOPLASTIC HOUSING, 120/277-VOLT INPUT, TWO 1.5W WHITE LEDS, MAINTENANCE FREE NICKEL CADMIUM BACK-UP BATTERY, FIXTURE CAN BE MOUNTED FROM WALL OR BUILDING STRUCTURE. CONNECT FIXTURE AND BATTERY PACK TO AN UNSWITCHED PORTION OF THE LOCAL LIGHTING CIRCUIT.	LITHONIA ELM2L SURE-LITES SEL25 DUAL LITE EV2
F		BLACK CANDELABRA WALL SCONCE, STEEL CONSTRUCTION AND FINISH, 5" DIAMETER WALL PLATE, 3 SOCKET, 4/25W T8 CANDELABRA BULB, E12 BASE, BLACK FINISH, COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ORDERING. BULBS: T8 CANDELABRA BULBS, 0.8W LED, 25 LUMEN, 2700K COLOR TEMPERATURE, E12 BASE. FOR ADDITIONAL FIXTURE INFORMATION SEE REFERENCED RETAILER WEBSITE AT: WWW.CRATEANDBARREL.COM	IQONA BLACK CANDELABRA WALL SCONCE LAMP: SATCONUVO S9176
G		SUSPENDED PENDANT MOUNT LINEAR LED ARCHITECTURAL LUMINAIRE, BLACK ALUMINUM CANOPY HOUSING, WHITE DIE-FORMED REFLECTOR WITH SATIN LENS, MEDIUM DISTRIBUTION, UNIVERSAL VOLTAGE INPUT, 7.2 WATTS PER FOOT, HIGH OUTPUT 750 LUMENS PER FOOT, 4000K COLOR TEMPERATURE, 90 CRI, 0-10V DIMMING, DIMS TO 1%. SUSPEND WITH ARCHITECT CABLE FROM JUNCTION BOX, COORDINATE FINAL MOUNTING HEIGHT IN FIELD WITH STRUCTURE AND OTHER UTILITIES/DEVICES. ***# DENOTES FIXTURE LENGTH IN FEET. ORDER EACH FIXTURE TO SPECIFIED LENGTH ON DRAWINGS AS ONE CONTINUOUS ROW.	PINNACLE EDGE EX2D A 1840HO #C AB U OL2 1 0 BL TC
H		6" ROUND RECESSED LED DOWNLIGHT, STEEL HOUSING, SUITABLE FOR USE IN A 2X2 GRID CEILING AND GYPSUM CEILING, SEMI-SPECULAR FINISH, UNIVERSAL INPUT VOLTAGE, 34.8 WATTS, 3000 LUMEN OUTPUT, 4000K COLOR TEMPERATURE, 80 CRI, 0-10V DIMMING, DIMS TO 10%.	LITHONIA LDN6 40 30 L06 AR LSS MVOLT GZ10 (FLANGE COLOR)
J		SURFACE MOUNT 4" LED SWITCHABLE STRIP LIGHT, WHITE STEEL HOUSING, DIFFUSE ACRYLIC LENS, UNIVERSAL VOLTAGE INPUT, 43.4 MAXIMUM WATTS, SWITCHABLE LUMEN OUTPUT, SWITCHABLE COLOR TEMPERATURE, 80 CRI, 0-10V DIMMING.	LITHONIA CSS L48 AL03 MVOLT SWW3 80CRI
K1		LED RGBW RIBBONTAPE LIGHT, UNIVERSAL VOLTAGE INPUT, 4.3 WATTS PER FOOT, 219 LUMEN PER FOOT, 90W DMX DIMMABLE DRIVER, WITH TOUCHSCREEN DMX CONTROLLER, WITH NARROW INSTALLATION CHANNEL, WET LOCATION RATED. ***# DENOTES OVERALL DESIRED LENGTH. COORDINATE EXACT LENGTHS WITH ARCHITECT PRIOR TO ORDERING. MAXIMUM LENGTH PER DRIVER IS 25'. ACCOUNT FOR ADDITIONAL DRIVERS AS REQUIRED FOR DESIRED OVERALL LENGTHS.	LED TAPE: LUMINI LRGBW S0 SL NC ### CHANNEL: KSC-## DRIVER: PSDMX 3X96 24 CONTROLLER: TSDMX-E
K2		SAME AS FIXTURE TYPE 'K1' EXCEPT TAPE LIGHT SHALL NOT REQUIRE CHANNEL FOR INSTALLATION.	LED TAPE/DRIVER/CONT.: SAME AS FIXTURE 'K1'
L		4" ARCHITECTURAL INDIRECT WALL MOUNT VANTY LIGHT, STEEL HOUSING, ALUMINUM END CAPS, 120V INPUT, 20 WATTS, 500 LUMENS PER FOOT, DIGITAL TIME DELAY ADJUSTMENT FROM 30 SECONDS TO 30 MINUTES, ADJUSTABLE SENSITIVITY FROM 20% TO 100%, ADJUSTABLE LIGHT LEVEL, SETTING OF 2 TO 200 FOOT-CANDLES, COMPATIBLE WITH ALL ELECTRONIC BALLASTS, WITH LED INDICATOR TO INDICATE OCCUPANCY, FIVE YEAR WARRANTY. ADJUST FOR VACANCY OPERATION. ALL SWITCHES SHALL BE BLACK EXCEPT IN KITCHEN, UNFINISHED AREAS, AND WHERE SPECIFIED ON DRAWINGS.	MARK ARCHITECTURAL PILLAR 4 SERIES PLLW7 LSL 4FT MSL4 80CRI 40K 500LM SCT DARK 120 BKSG ZT SCEP WILLIAMS 408L 20 8 40 BLK DIM UNDO 4 CS T8 PM ##
M		4" LED PENDANT CYLINDER, BLACK ALUMINUM HOUSING AND ACCENT RING, OPEN TRIM STYLE, MEDIUM DISTRIBUTION, UNIVERSAL VOLTAGE INPUT, 23.0 WATTS, 2000 LUMEN OUTPUT, 4000K COLOR TEMPERATURE, 80 CRI, 0-10V DIMMING. ***# DENOTES PENDANT STEM LENGTH. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ORDERING.	GOTHAM EV04PC 40/20 AR LS MD MVOLT GZ10 JBX PCAN S## DBLB LITHONIA LDN4CYL 40/20 L04AR LSS MVOLT GZ10 PM DBL
N		6" TRACK LIGHTING SYSTEM, ALUMINUM T BEAM CHANNEL, SINGLE CIRCUIT, 120V INPUT, BLACK RAIL AND ACCESSORIES. ORDER TRACK SYSTEM WITH ALL REQUIRED COMPONENTS FOR MOUNTING OF THREE FIXTURES ON EACH TRACK. FIXTURE: 2-1/2" VERTICAL CYLINDER TRACK FIXTURE, 360 HORIZONTAL COVERAGE, 4000K COLOR TEMPERATURE, 80 CRI, UNIVERSAL 120V TRACK ADAPTER, PHASE DIMMABLE, FLOOD DISTRIBUTION, BLACK IN COLOR.	TRACK: JUNO TRAC MASTER T-67T-BL FIXTURE: JUNO T383L G2 40K 80CRI PDIM FL BL

CALLOUT	SYMBOL	DESCRIPTION	MODEL
P		6" LED PENDANT CYLINDER, BLACK ALUMINUM HOUSING AND ACCENT RING, OPEN TRIM STYLE, MEDIUM DISTRIBUTION, UNIVERSAL VOLTAGE INPUT, 23.0 WATTS, 3000 LUMEN OUTPUT, 4000K COLOR TEMPERATURE, 80 CRI, 0-10V DIMMING. ***# DENOTES PENDANT STEM LENGTH. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ORDERING.	WILLIAMS 408L 20 8 40 BLK DIM UNDO 4 CS T8 PM ## GOTHAM EV04PC 40/20 AR LS MD MVOLT GZ10 JBX PCAN S## DBLB LITHONIA LDN4CYL 40/20 L04AR LSS MVOLT GZ10 PM DBL
W		WALL PACK, ALUMINUM HOUSING, NATURAL ALUMINUM FINISH, UNIVERSAL VOLTAGE INPUT, P2 OPTICS WITH 2000 LUMEN OUTPUT, 4000K COLOR TEMPERATURE, WITH EMERGENCY BACK-UP BATTERY, NATURAL ALUMINUM FINISH.	LITHONIA ARC1 LED P2 40K MVOLT 64WH DNAXD
P1		FIXTURE: LED AREA/SITE LUMINAIRE, DIE CAST ALUMINUM HOUSING, BLACK POWDER COAT FINISH, SQUARE POLE MOUNTED, MOLDED SILICONE LENS, 7400 LUMEN OUTPUT, TYPE 4 DISTRIBUTION, 4000K COLOR TEMPERATURE, MULTI-VOLTAGE INPUT, 0-10V DC DIMMING. POLE: 5" SQUARE STRAIGHT STEEL POLE, 7-GAUGE THICKNESS, 15" NOMINAL LENGTH, TWO-PIECE STEEL BASE COVER, BLACK FINISH TO MATCH FIXTURES. LUMINAIRE SHALL BE CONTROLLED VIA RELAYS IN LIGHTING PANEL.	FIXTURE: LITHONIA DSX1 LED P1 40K 80CRI T4M MVOLT SPA DBLXD POLE: LITHONIA SSS 15 5G DM29AS FBCSTL2PC DBLXD
R1		RANGE LIGHTING FIXTURE FOR TOP TRACER CAMERA TRACKING SYSTEM, LED SPORT LUMINAIRE, 8-OPTIC, 340W, 120V INPUT, 4000K COLOR TEMPERATURE, 80CRI, NEMA 7 OPTICS, WIRED DMX CONTROLS, WITH VISOR. AM FIXTURES SUCH THAT CENTER OF BEAM IS APPROXIMATELY 65" ABOVE GRADE AT APPROXIMATELY 150 FEET FROM FIXTURES. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL PLANS PRIOR TO RELEASE. ORDER WITH ALL REQUIRED ACCESSORIES FOR INSTALLATION.	LUMASPORT EPH-08-0320L-BLK-40-80-7F-LB-##-VHE ##=MOUNTING CONFIGURATION
S1		FIXTURE: LED AREA/SITE LUMINAIRE, DIE CAST ALUMINUM HOUSING, BLACK POWDER COAT FINISH, SQUARE POLE MOUNTED, MOLDED SILICONE LENS, 13400 LUMEN OUTPUT, TYPE 4 DISTRIBUTION, 4000K COLOR TEMPERATURE, MULTI-VOLTAGE INPUT, 0-10V DC DIMMING. POLE: 5" SQUARE STRAIGHT STEEL POLE, 7-GAUGE THICKNESS, 30" NOMINAL LENGTH, TWO-PIECE STEEL BASE COVER, BLACK FINISH TO MATCH FIXTURES. LUMINAIRE SHALL BE CONTROLLED VIA RELAYS IN LIGHTING PANEL. E.C. SHALL VERIFY FIXTURE MOUNTING PRIOR TO RELEASE. SINGLE FIXTURE POLES SHALL REQUIRE 'DM29AS' MOUNTING TO BE SPECIFIED ON POLES. TWO FIXTURE POLES SHALL REQUIRE 'DM29AS' MOUNTING.	FIXTURE: LITHONIA DSX1 LED P3 40K 80CRI T4M MVOLT SPA DBLXD POLE: LITHONIA SSS 30 5G DM##AS FBCSTL2PC DBLXD

NOTE:
 ALL SCHEDULED LUMINAIRES AND CONTROLS ARE SHOWN AS THE BASIS OF DESIGN. CONTRACTORS CAN SUBMIT ALTERNATE MANUFACTURERS FOR APPROVAL FOR A MORE COMPLETE SUBMITTAL PACKAGE. ANY SUGGESTED ALTERNATE FIXTURES SHALL MEET OR EXCEED THE PERFORMANCE EXPECTATIONS SPECIFIED IN THE LUMINAIRE AND CONTROL SCHEDULES. ALTERNATE MANUFACTURERS INCLUDE BUT ARE NOT LIMITED TO:
 FIXTURES:
 1) LITHONIA
 2) WILLIAMS
 3) MARK ARCHITECTURAL
 4) COOPER/METALUX
 CONTROLS:
 1) HILIGHT
 2) WATTSTOPPER
 3) SENSORSWITCH
 4) COOPER

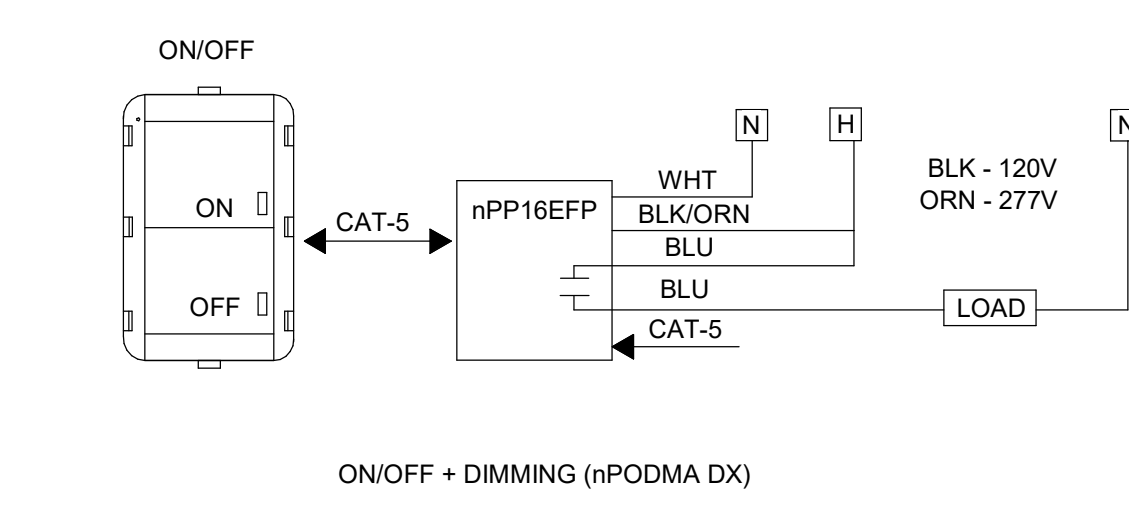
ITEM	SYMBOL	DESCRIPTION	MODEL
1		ALL COVER PLATES FOR DEVICES SHALL BE THERMOPLASTIC CONSTRUCTION IN FINISHED AREAS. ALL COVERPLATES IN THE KITCHEN AREA SHALL BE STAINLESS STEEL CONSTRUCTION. COVER PLATES IN UNFINISHED SPACES SHALL BE GALVANIZED STEEL. THE COLOR OF THE THERMOPLASTIC COVER PLATES SHALL BE BLACK UNLESS SPECIFIED OTHERWISE ON SHEET E100L AND E100P.	HUBBELL COOPER LEVITON PASS & SEYMOUR WATTSTOPPER
2		ARCHITECTURAL NETWORK CAPABLE LOW VOLTAGE WALL SWITCH, PUSH BUTTON TYPE, SUITABLE FOR USE WITH LED LIGHTING CONTROL. ALL SWITCHES SHALL BE BLACK EXCEPT IN KITCHEN, UNFINISHED AREAS, AND WHERE SPECIFIED ON DRAWINGS.	ACUITY nLIGHT nP0DMA SERIES WATTSTOPPER
3		ARCHITECTURAL NETWORK CAPABLE LOW VOLTAGE WALL SWITCH, 3 WAY, PUSH BUTTON TYPE, SUITABLE FOR USE WITH LED LIGHTING CONTROL. ALL SWITCHES SHALL BE BLACK EXCEPT IN KITCHEN, UNFINISHED AREAS, AND WHERE SPECIFIED ON DRAWINGS.	ACUITY nLIGHT nP0DMA SERIES WATTSTOPPER
4		ARCHITECTURAL NETWORK CAPABLE LOW VOLTAGE DIMMER SWITCH, PUSH BUTTON TYPE, 0-10VDC DIMMING CONTROL SIGNAL, SUITABLE FOR USE WITH LED LIGHTING CONTROL. ALL SWITCHES SHALL BE BLACK EXCEPT IN KITCHEN, UNFINISHED AREAS, AND WHERE SPECIFIED ON DRAWINGS.	ACUITY nLIGHT nP0DMA-D SERIES WATTSTOPPER
5		ARCHITECTURAL NETWORK CAPABLE LOW VOLTAGE MULTI-WAY DIMMER SWITCH, PUSH BUTTON TYPE, 0-10VDC DIMMING CONTROL SIGNAL, SUITABLE FOR USE WITH LED LIGHTING CONTROL. ALL SWITCHES SHALL BE BLACK EXCEPT IN KITCHEN, UNFINISHED AREAS, AND WHERE SPECIFIED ON DRAWINGS.	ACUITY nLIGHT nP0DMA-D SERIES WATTSTOPPER
6		PROGRAMMABLE DMX LIGHTING CONTROLLER FOR RGBW DIMMING CONTROL, TOUCH SCREEN INTERFACE, BLACK FINISH, STAND-ALONE OR NETWORK CAPABLE, MULTI-ZONE CONTROL, UP TO 340 RGBW FIXTURES.	OPTIC ARTS/LUMINI TSDMX-E WATTSTOPPER
7		NETWORK CAPABLE AUTOMATIC WALL SWITCH/OCCUPANCY SENSOR AND DIMMER, 180 DEGREE COVERAGE OF 300 SF, INFRARED TECHNOLOGY, 120/277 VOLT, DIGITAL TIME DELAY ADJUSTMENT FROM 30 SECONDS TO 30 MINUTES, ADJUSTABLE SENSITIVITY FROM 20% TO 100%, ADJUSTABLE LIGHT LEVEL, SETTING OF 2 TO 200 FOOT-CANDLES, COMPATIBLE WITH ALL ELECTRONIC BALLASTS, WITH LED INDICATOR TO INDICATE OCCUPANCY, FIVE YEAR WARRANTY. ADJUST FOR VACANCY OPERATION. ALL SWITCHES SHALL BE BLACK EXCEPT IN KITCHEN, UNFINISHED AREAS, AND WHERE SPECIFIED ON DRAWINGS.	ACUITY SENSOR SWITCH nWSXA SERIES WATTSTOPPER
8		NETWORK CAPABLE AUTOMATIC WALL SWITCH/OCCUPANCY SENSOR, 180 DEGREE COVERAGE OF 300 SF, INFRARED TECHNOLOGY, 120/277 VOLT, DIGITAL TIME DELAY ADJUSTMENT FROM 30 SECONDS TO 30 MINUTES, ADJUSTABLE SENSITIVITY FROM 20% TO 100%, ADJUSTABLE LIGHT LEVEL, SETTING OF 2 TO 200 FOOT-CANDLES, COMPATIBLE WITH ALL ELECTRONIC BALLASTS, WITH LED INDICATOR TO INDICATE OCCUPANCY, FIVE YEAR WARRANTY. ADJUST FOR VACANCY OPERATION. ALL SWITCHES SHALL BE BLACK EXCEPT IN KITCHEN, UNFINISHED AREAS, AND WHERE SPECIFIED ON DRAWINGS.	ACUITY SENSOR SWITCH nWSXA-D SERIES WATTSTOPPER
9		NETWORK CAPABLE DUAL TECHNOLOGY (PASSIVE INFRARED (PIR) AND ULTRASONIC OR MICROPHONIC), EXTENDED RANGE CEILING SENSOR, 360 DEGREE COVERAGE OF 30 FEET, LOW-VOLTAGE, TIME DELAY ADJUSTMENT FROM 30 SECONDS TO 20-MINUTES. ALL OCCUPANCY SENSORS SHALL BE BLACK IN COLOR UNLESS SPECIFIED OTHERWISE	ACUITY nLIGHT nCAM-PDT-10 WATTSTOPPER
10		NETWORK CAPABLE LIGHTING SWITCH POWER PACK, 120-VOLT INPUT, 24-VDC OUTPUT, SUITABLE FOR MOUNTING TO A STANDARD JUNCTION BOX.	ACUITY nLIGHT nPP16 WATTSTOPPER
11		NETWORK CAPABLE LOW VOLTAGE PHOTOCELL, WEATHERPROOF, MOUNT ON ROOF AND AM FACING NORTH SEE DRAWINGS FOR LOCATION AND ADDITIONAL WORK REQUIRED.	ACUITY nLIGHT nPC-KIT WATTSTOPPER
12		NETWORK CAPABLE LIGHTING CONTROL PANEL, 8-RELAY OUTPUTS, FIELD CONFIGURABLE RELAYS, UNIVERSAL VOLTAGE, WITH 7-DAY ATRONOMIC TIME CLOCK.	ACUITY nLIGHT ARP INTC08 NLT 8FCR MVOLT SM DTC WATTSTOPPER

LUMINAIRE SCHEDULE NOTES:

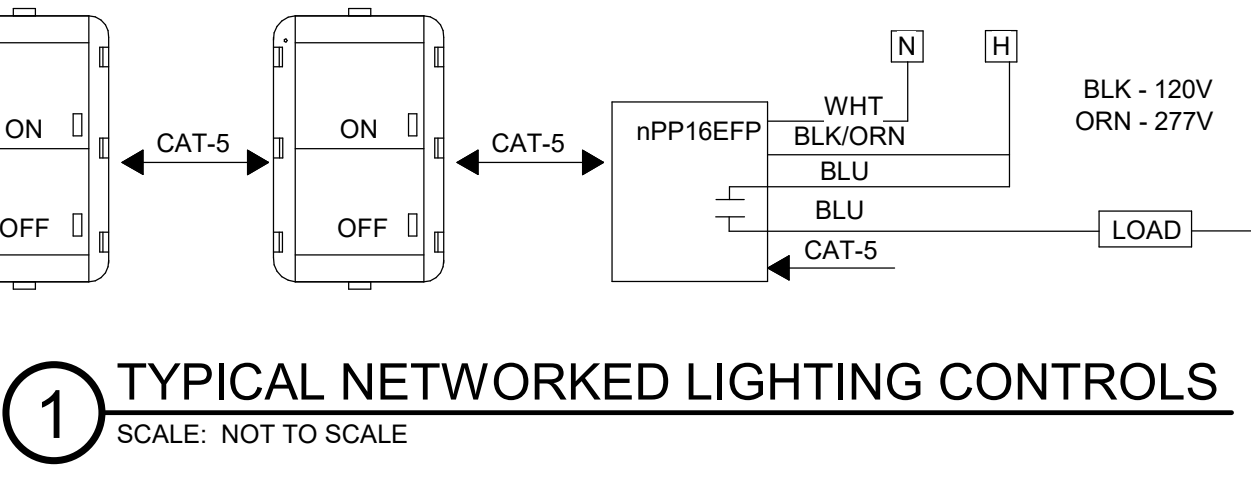
- CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS, MECHANICAL SYSTEM PLANS, DETAILS, SECTIONS, AND ELEVATIONS FOR AID IN COORDINATION OF FIXTURE LOCATIONS AND ANY INTERFERENCES.
- CONTRACTOR SHALL PROVIDE COPIES OF COMPLETE FIXTURE SCHEDULES, LIGHTING PLANS, AND LIGHTING SPECIFICATIONS TO ALL SUPPLIERS OR MANUFACTURERS' REPRESENTATIVES INVOLVED IN FIXTURE PRICING OR ORDERING, PRIOR TO BID.
- FIXTURES RECESSED IN, OR SUSPENDED FROM SUSPENDED ACoustical TILE (S.A.T.) CEILINGS SHALL HAVE INDEPENDENT SUPPORT FROM BUILDING FRAMING OR OTHER APPROVED STRUCTURE.
- ALL FIXTURES RECESSED IN, OR SUSPENDED FROM SUSPENDED ACoustical TILE (S.A.T.) CEILINGS SHALL HAVE INDEPENDENT SUPPORT FROM BUILDING FRAMING OR OTHER APPROVED STRUCTURE.
- ALL TEMPERATURE COLORS SHALL BE 4000K UNLESS SPECIFICALLY NOTED OTHERWISE.
- NOTIFY A/E IMMEDIATELY OF DISCREPANCIES AND MAKE NECESSARY CORRECTIONS PRIOR TO BIDDING.
- ALL LUMINAIRES SHALL BE CEE CERTIFIED.
- IN LUMINAIRES SHALL USE THE GRID AS A SUPPORT ELEMENT. INSTALL CEILING SUPPORT SYSTEM RODS OR WIRES INDEPENDENT OF THE CEILING SUSPENSION DEVICES FOR EACH FIXTURE FOR SUPPLEMENTAL SUPPORT. LOCATE THE SUPPORTS NOT MORE THAN SIX INCHES FROM THE LIGHTING FIXTURE CORNERS.
- SUPPORT CLIPS SHALL FASTEN TO THE LIGHTING FIXTURES AND TO THE CEILING GRID MEMBERS AT OR NEAR EACH FIXTURE CORNER WITH CLIPS THAT ARE LISTED FOR THE APPLICATION.
- FIXTURES SIZED LESS THAN THE CEILING GRID SHALL BE INSTALLED AS INDICATED ON THE REFLECTED CEILING PLANS OR CENTER IN THE ACOUSTICAL PANEL. SUPPORT THE FIXTURES INDEPENDENTLY WITH AT LEAST TWO 3/4" METAL CHANNELS SPANNING AND SECURED TO THE CEILING TILES.

ALLOWANCE:

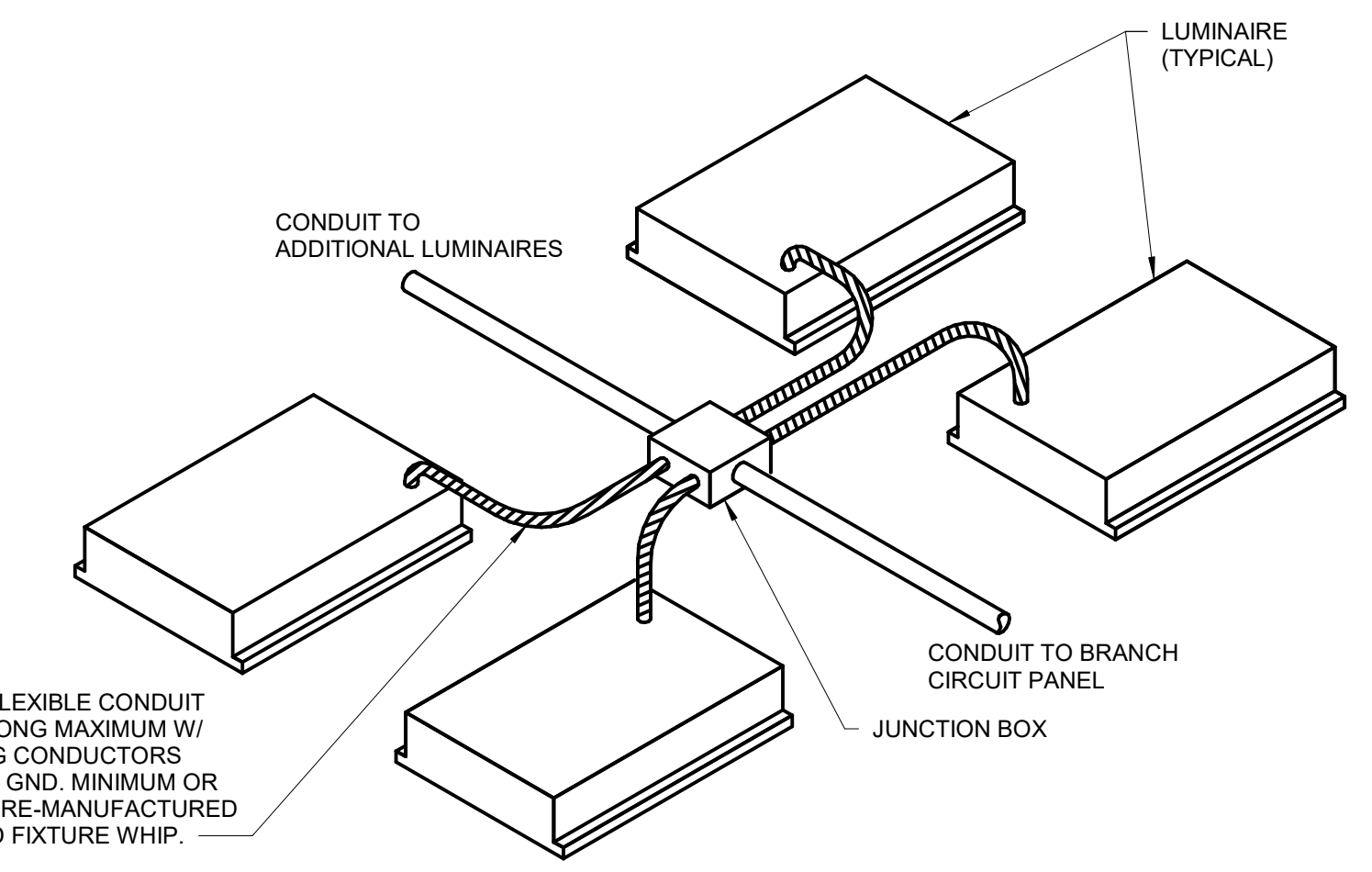
- THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN THEIR BID AN ALLOWANCE FOR THE ADDITION OF FIVE TYPE E1 EXIT LUMINAIRES, FIVE TYPE E2 EXIT LUMINAIRES, FIVE TYPE E3 EXIT LUMINAIRES AND FIVE TYPE EM LUMINAIRES. THE LUMINAIRES SHALL BE FIELD LOCATED BY THE OWNER'S REPRESENTATIVE DURING CONSTRUCTION OR THE CITY INSPECTOR DURING THE FINAL QUALITY TESTING. EACH LUMINAIRE SHALL INCLUDE A BACK BOX WITH THE APPROPRIATE DEVICE RING OR BLANK COVER PLATE AND FINAL CONNECTION, FORTY (40) LINEAL FEET OF 3/4" CONDUIT, ONE HUNDRED FIFTY LINEAL FEET (150) OF #12 AWG CONDUCTORS AND ALL ASSOCIATED CONNECTORS, SUPPORTS, ETC. FOR A COMPLETE AND OPERATIONAL INSTALLATION. **DO NOT ORDER THE LUMINAIRES UNTIL THE OWNER/ARCHITECT INSTRUCTS THE INSTALLATION. PROVIDE CREDIT BACK TO THE PROJECT PRIOR TO THE FINAL PAY APPLICATION FOR ALL UNUSED LUMINAIRES AND RELATED MATERIALS.**



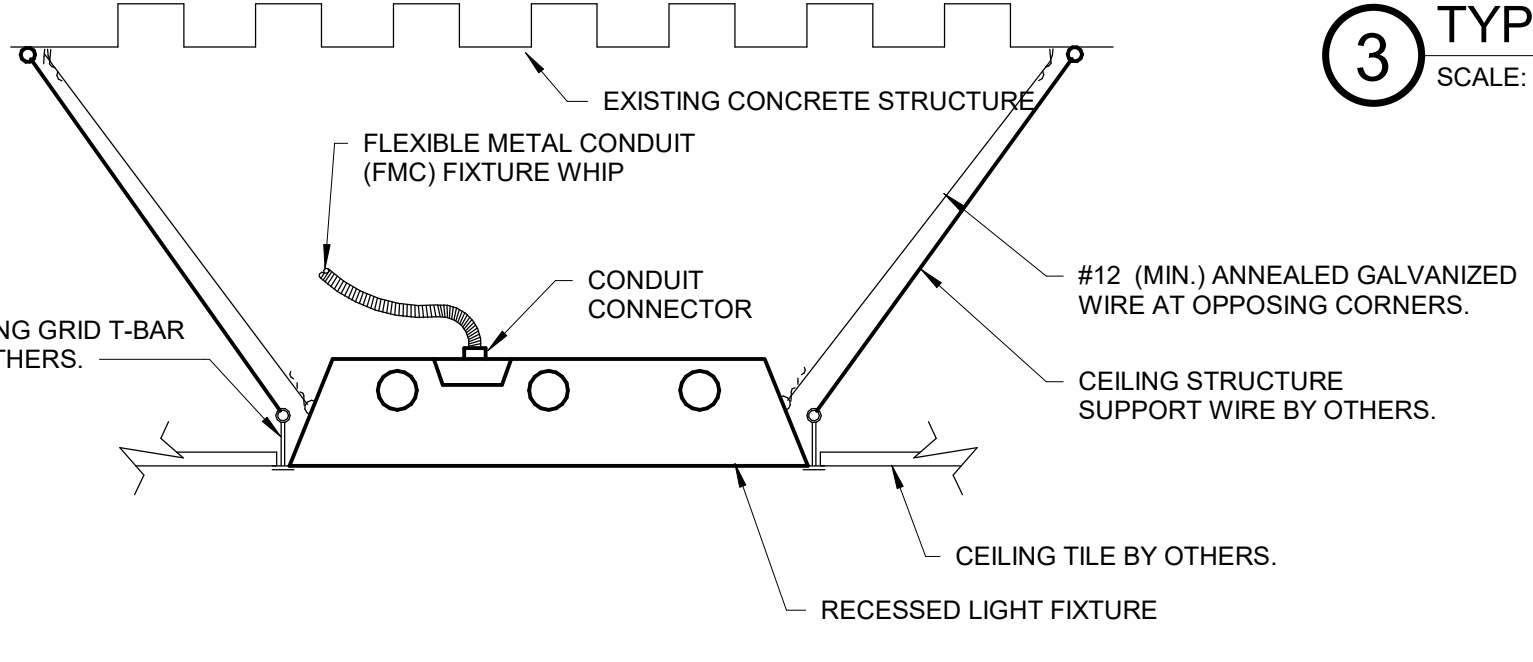
② FIXTURE 'K2' MOUNTING DETAIL
 SCALE: NOT TO SCALE



① TYPICAL NETWORKED LIGHTING CONTROLS
 SCALE: NOT TO SCALE



③ TYPICAL RECESSED LIGHT FIXTURE WIRING DIAGRAM
 SCALE: NOT TO SCALE



④ RECESSED TROFFER MOUNTING DETAIL
 SCALE: NOT TO SCALE

LIGHTING CONTROL SYSTEM - SEQUENCE OF OPERATION

- COORDINATE ALL PROGRAMMING OF INDIVIDUAL SWITCHES WITH THE OWNER'S REPRESENTATIVE DURING INSTALLATION. INCLUDE TIME IN BID PROPOSAL TO MEET WITH THE OWNER'S REPRESENTATIVE AND PROGRAM SWITCH PRESETS, DAILY WEEKLY AND ANNUAL SCHEDULING PROGRAMS.
- INCLUDE TIME IN BID PROPOSAL FOR TWO RETURN TRIPS TO THE FACILITY AFTER THE SYSTEM HAS BEEN IN USE TO MAKE ADJUSTMENTS TO PROGRAMMING.
- A DETAILED SUBMITTAL FROM THE MANUFACTURER INCLUDING PLAN VIEWS WITH DEVICE LOCATIONS, CABLING REQUIREMENT AND CONTROL DETAILS SHALL BE INCLUDED AS PART OF THE SUBMITTAL REVIEW PROCESS.
- ALL LIGHTING CONTROLS SHALL BE MANUAL ON, AUTOMATIC OFF.
- ALL LUMINAIRES OR GROUPS OF LUMINAIRES SHALL BE CAPABLE OF BEING DIMMED THROUGH THE CONTROL SYSTEM. THE DIMMING CONTROL SYSTEM SUPPLIER SHALL INCLUDE A MINIMUM OF SIX HOURS TO ADJUST THE SYSTEM AFTER THE INITIAL SETUP HAS BEEN COMPLETED. ASSUME TWO HOURS OF SET UP TIME SHALL BE PERFORMED DURING THE EVENING.
- CORRIDORS AND COMMON PUBLIC SPACES SHALL BE CONTROLLED BY A COMBINATION OF MANUAL LOW-VOLTAGE SWITCHES AND SCHEDULING THROUGH THE TIME-CLOCK.
- MISCELLANEOUS SMALLER ROOMS SHALL BE CONTROLLED BY LOCAL WALL MOUNTED OCCUPANCY SENSOR/SWITCH/DIMMERS OR CEILING OCCUPANCY SENSORS AS NOTED ON THE PLANS.
- EACH DIFFERENT TYPE OF LUMINAIRE IN ALL COMMON AREAS SHALL HAVE INDIVIDUAL LIGHTING AND DIMMING CONTROL FOR THE GROUP AND TYPE OF LUMINAIRES AS NOTED ON THE PLANS.