SECTION 00 90 01
BIDDING AND CONTRACT REQUIREMENTS
ADDENDUM NUMBER (6)

Demonica Kemper Associates
100 Harrison Street
Peoria, IL 61602
309.282.0170

To: Prospective Bidders

Issued: May 3nd, 2024

Re: ADDENDUM NUMBER (6) 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.

ADDENDA TO THE PROJECT MANUAL

Specification Section 23 74 13.11

Sub section 2.2 Manufacturers. Add to the list of acceptable manufacturers - Trane
Sub section 2.3 Casings. Change the word Double to Single. Single wall insulated panels area acceptable.

Specification Section 23 55 23.13 Low Intensity, Gas Fired Radiant Heater

Sub section 2.2 Draft induced Heater / Manufacturers. – Add to the list of acceptable manufacturers Space-Ray

ADDENDA TO THE DRAWINGS

ELECTRICAL

ELECTRICAL DRAWINGS FROM ADDENDUM 5 HAVE BEEN INCLUDED IN ADDENDUM 6 FOR REFERENCE. THESE DRAWINGS WILL BE AT THE END OF THE ADDENDUM – ITEMS RELATED TO THOSE DRAWING IN BOLD AND ITALICS BELOW – THANK YOU

1. E1.03 – FIRST FLOOR PLAN – CLUBHOUSE – NEW SYSTEMS
a. Revised keyed notes #4, 6, 7, and 10 to clarify IT and A/V installations on drawings.

2. E1.12 – FIRST FLOOR PLAN – RANGE BAYS – POWER
a. Added keyed note #7 clarifying typical bay receptacle and installation requirements.

3. E1.13 – FIRST FLOOR PLAN – RANGE BAYS – SYSTEMS
a. Revise keyed note #1 for clarification of data cabling and rough-in installation at each bay.
b. Revise keyed note #2 to provide separate conduit runs for each bay mounted TV back to IDF-1.
c. Added keyed note #7 clarifying typical bay cabling and installation requirements.

4. E1.22 – SECOND FLOOR PLAN – RANGE BAYS – POWER

a. Added keyed note #7 clarifying typical bay receptacle and installation requirements.

5. E1.23 – SECOND FLOOR PLAN – RANGE BAYS – SYSTEMS

a. Revise keyed note #4 for clarification of data cabling and rough-in installation at each bay.
b. Revise keyed note #5 to provide separate conduit runs for each bay mounted TV back to IDF-1.
c. Added keyed note #8 clarifying typical bay cabling and installation requirements.

6. E4.1 – TELECOMM. RISER, SCHEDULE, AND NOTES

a. Revise Telephone and Data Equipment Schedule to redefine and clarify scope and division of labor of IT and A/V installations as follows:

1) IT:
(a) Equipment – Furnished by owner; Installed by certified system installer.
(b) Cabling – Furnished, installed, and tested by certified system installer.
(c) Terminations – By EC.

2) A/V:
(a) Equipment – Furnished and installed by owner.
(b) Cabling – Furnished and installed by certified system installer.
(c) Terminations – By EC

3) All rough-in of conduit and back boxes by EC for all IT and A/V installations.

CLARIFICATIONS – ALL ANSWERS TO CONTRACTOR QUESTIONS BELOW IN RED

ARCHITECTURAL

-The architectural and structural drawings don't clearly indicate which (if any) structural members are to be galvanized. Since this is an "open concept" type design with a lot of exposed structural steel, it would be my assumption that at least some of the structural steel elements would be galvanized prior to field painting. Please clarify which structural steel needs to be galvanized.
All steel along gridlines 1 and 7 (wide flange, steel bar grating, angles, and plates) to be galvanized and painted. All other steel will only receive paint.

-Is there an AESS (architecturally exposed structural steel) requirement for this project?
There is not.

-Is there a suppression system in the kitchen?
There is an existing sprinkler system in the kitchen. The sprinklers will be reworked to allow the new ceilings and MEP work to be installed.

-Is there only (1) Purple K fire extinguisher in our bid?
Correct – only 1 required.

MECHANICAL

-Will the kitchen hood grease duct be provided by the kitchen equipment supplier (under a separate contract) and installed by us? Or do we need to figure providing a welded stainless steel grease duct with fire wrap along with the installation?
See keynote below.

(11) FURNISH AND INSTALL GREASE EXHAUST DUCTWORK FROM KITCHEN HOOD OUTLET OVER AND UP TO NEW GREASE EXHAUST FAN ON ROOF. ALL GREASE EXHAUST DUCTWORK SHALL BE STAINLESS STEEL FULLY WELDED LIQUID TIGHT CONSTRUCTION WITH FIRE WRAP INSULATION RATED FOR ZERO CLEARANCE. OR SHALL BE ZERO CLEARANCE PRE MANUFACTURED MODULAR GREASE DUCTWORK PROVIDED BY THE HOOD MANUFACTURE. PROVIDE FIRE RATED ACCESS DOORS EVERY 12'-0" AND AT EVERY CHANGE OF DIRECTION TO ALLOW FOR CLEANING AND INSPECTION.

Drawing M5.0 – RTU Schedule. – Note 1 shall be revised to include an option for staged scroll compressors.

ELECTRICAL

E2.1 Panel Schedule for Panel P1 – TVSS circuit 68, 70, 72 – Do they mean 20A? Its listed as 200A.
The TVSS is not rated/sized by the amperage of the panel but sized by the location of the panel in the distribution system. A TVSS for branch panels such as 'P1' shall be a 120KA

E1.12 fan control notes say the fans are furnished by others. Will they be installing the fans or are we required to? Good question. Since no one else is calling out to furnish/ install, the E.C. shall be responsible for furnishing and installing the ceiling fans. They will need to coordinate final locations and mounting heights with architect..

E1.22 EF-204 is showing its .4A but on the E2.0 Equip. Connections Schedule it shows 60A and #4 wire. This is also the same for EF-113 on E1.12. Those EF should not have been on the schedule. They are to be circuited with the lighting circuit and controls serving the restrooms. See keyed note #6 on E1.12 and #7 on E1.22.

Range Bays – is all of the conduit feeding the receptacles, fans, etc. exposed? If so, it appears that in 260533 we will need to run rigid. I want to confirm that is correct.
Yes, all exposed conduit shall be rigid, tight to structure, and painted to match surrounding conditions.

E1.0 Note 3 says to route 4 – 3" empty conduits for telecom. It notes that one of those is for the panel feed, but that won't be empty. E4.1 Detail 1 note 7 says 3 – 3". There is also an unnumbered note on Detail 1 saying to provide 2 – empty 3". E1.03 Notes 8 (MDF – 2 conduit) and 14 (FACP – 1 conduit) total 3 – 3". The different notes seem a little confusing and that they're not totally saying the same thing if they can be reviewed.
My apologies, I could see how that is confusing. To sum it up, we will need 4 total 3" conduit from the elec/it room in the main building to the elec/it room(s) in the hitting bays. One conduit shall be for feeders to the panels. Two conduits shall be used for fiber and telecommunications from MDF to the IDF. One conduit for fire alarm from FACP to the local panel in the new building. The only conduit the E.C. is responsible for pulling the cabling through is the power feeder conductors for the panels. The owners IT installer and other vendors will pull their cabling for fiber, telecom, and FA.

E1.03 Note 10 says to coordinate with owner's A/V rep prior to bid. We don't have the information on who that is. Their A/V rep is an "in-house" team the Peoria Park District will use to order all equipment and A/V devices. Coordinate all A/V with Rebecca Fredrickson with the Park District. rfredrickson@peoriaparks.org

E1.03 Note 12 Install speakers. The note at the bottom of E1.03 says speakers installed by owner's A/V rep. E4.1 says speakers will be provided by owner's A/V rep and

electrical is providing rough-in, but doesn't say who is installing. I want to confirm who is responsible for the installation. The Park District will coordinate the installation of devices with their in house team.

Door Hardware Spec 08 71 00 doesn't seem to match the doors shown on E1.03 that need access control. I'm seeing 105A, 109A and 108B that are not the same between the two. Please review. The only access controlled doors shall be 105A and 108B. Both doors will have a card reader and electric strike. See revised electrical drawings.

E1.03 I'm not seeing any fire alarm in the private event room 102 and Room 205. I checked with a fire alarm rep and they thought it may be required to have some kind of horn/strobe with the spaces being closed off. Please confirm. Looks like the a/v notification for 102 got moved on the model. The A/V device in the corridor 104 that's by itself not on a wall is supposed to be in the private event room 102. As for office 105, yes, we should have a visual only device in that space.

A couple of questions that were asked previously but don't appear to have been cleared up, or partially answered on the plans as of Add #3:

E4.1 Equipment Schedule Item 3 notes "OSF Standards". I know it will get brought up by the data people since this isn't an OSF job, so I wanted to bring it up now so there's no confusion about special standards they have to meet. My apologies, I must have missed that when I revised the rest of it. See revised electrical drawings .

E4.1 Item #3 – I had asked a question about the Systimax cabling "owner approved" installer and it appears it was reworded to open it to all installers and that we are to include cabling in our bid, however now it says that the "owners A/V rep shall provide all equipment and labor" and that we are to include that cost in our bid. If we are to include that cost in our bid, we need to know who this A/V rep is so we can contact them. I received further clarification from the owners on this, their in-house A/V team will furnish and install all A/V equipment and devices. E.C. shall provide rough-in of back boxes and conduits and pull cabling for all devices. All coordination will be through the park district.

- E1.03 Note at the bottom says we are to provide conduit/rough-in only and cabling is by owner. See question directly above.

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

END 009001.

Attachments:

E1.03 – FIRST FLOOR PLAN – CLUBHOUSE – NEW SYSTEMS
E1.12 – FIRST FLOOR PLAN – RANGE BAYS – POWER
E1.13 – FIRST FLOOR PLAN – RANGE BAYS – SYSTEMS
E1.22 – SECOND FLOOR PLAN – RANGE BAYS – POWER
E1.23 – SECOND FLOOR PLAN – RANGE BAYS – SYSTEMS
E4.1 – TELECOMM. RISER, SCHEDULE, AND NOTES

ELECTRICAL DRAWINGS SET FROM ADDENDUM 5 AT THE END OF THIS ADDENDUM FOR REFERENCE TO CLARIFICATIONS ABOVE

KEITH Engineering Design

ADDENDUM # : 06

DATE ISSUED : May 03, 2024

ADDENDUM

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

Subject : Addendum #6
To The Bid Documents For:
PPD - Golf Learning Center
7815 Radnor Rd.
Peoria, IL 61615

Drawings

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         (c) Terminations – By EC.
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(c) Terminations – By EC

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Attachments

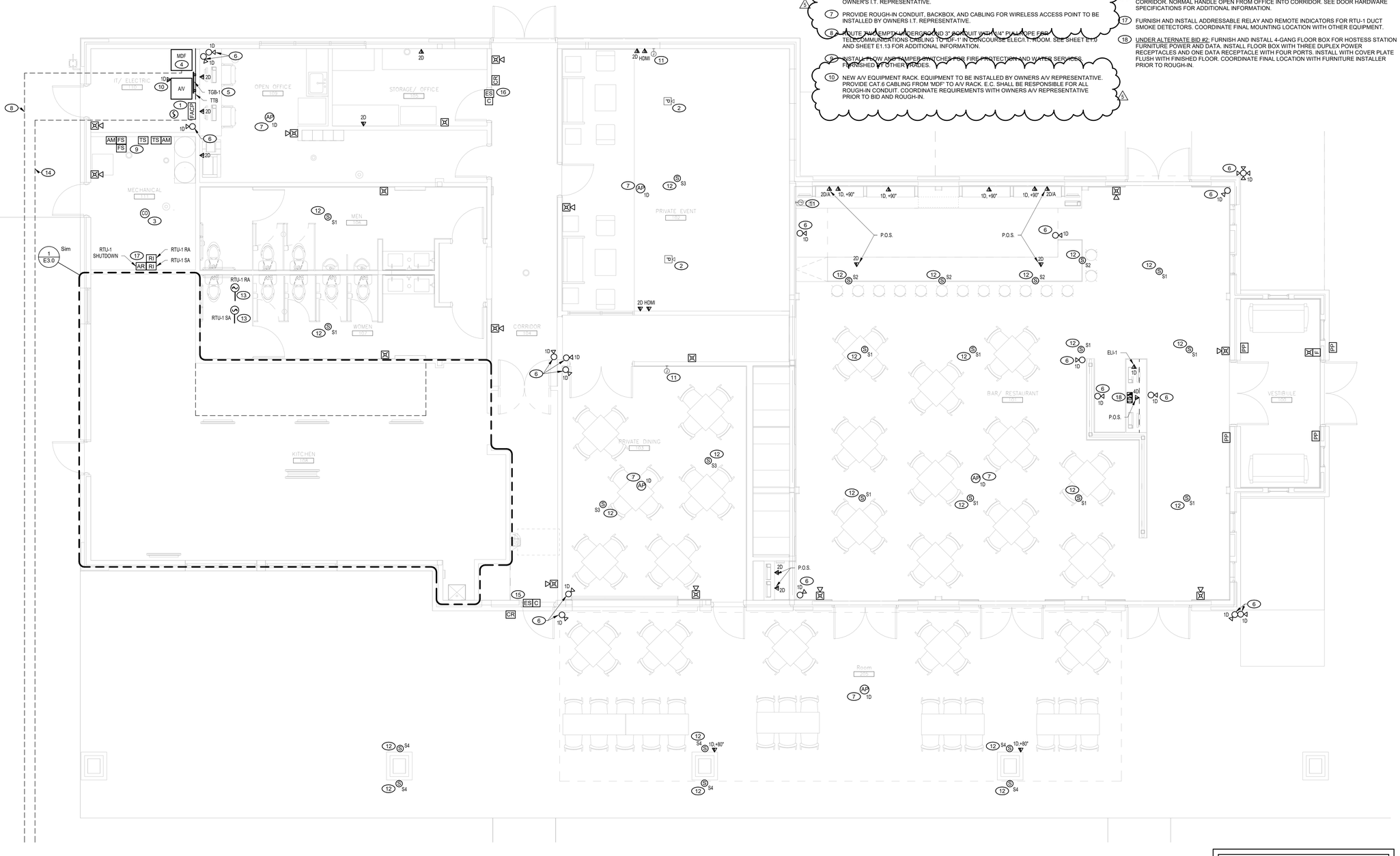
Drawings: E1.03, E1.12, E1.13, E1.22, E1.23, E4.1

Signature

Alan Mowry
Electrical Designer
Printed Name & Title

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 AND INSTALLATION AND TERMINATION OF CABLING.
5. MECHANICAL MEZZANINE NOTES: GROUND BAR AND COMMUNICATIONS SERVICE EQUIPMENT ON NEW 4' X 8' PLYWOOD TERMINATION BOARD.
6. PROVIDE ROUGH-IN CONDUIT, BACK BOX, AND CABLING 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, BACKBOX, AND CABLING FOR WIRELESS ACCESS POINT TO BE INSTALLED BY OWNERS I.T. REPRESENTATIVE.
8. ROUTE TWO EMPTY UNDERGROUND 3" CONDUIT WITH 1/4" PULLROPE FROM TELECOMMUNICATIONS CABLING 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 A/V EQUIPMENT RACK. EQUIPMENT TO BE INSTALLED BY OWNERS A/V REPRESENTATIVE. PROVIDE CAT.6 CABLING FROM 'MDF' TO A/V RACK. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN CONDUIT. COORDINATE REQUIREMENTS WITH OWNERS A/V REPRESENTATIVE PRIOR TO BID AND ROUGH-IN.
11. FURNISH AND INSTALL 2-GANG JUNCTION BOX FOR A/V SYSTEM CONTROLS AND CABLING. COORDINATE REQUIREMENTS AND FINAL LOCATION WITH OWNERS A/V REPRESENTATIVE.
12. INSTALL NEW SPEAKER FOR BUILDING A/V SYSTEM. EACH SPEAKER TYPE AND EACH ROOM SHALL BE ON ITS OWN A/V ZONE. ROUTE #16AWG STRANDED RISER TO A/V 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 ACCESSABLE 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 CIRCUITS TO IT/ELEC 202 IN NEW CONCOURSE BUILDING. SEE SHEET E1.0 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 RELAY AND REMOTE INDICATORS FOR 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"

NORTH

NOTE:
COORDINATE ALL TV RECEPTACLE ROUGH-IN HEIGHT AND LOCATIONS WITH THE OWNERS A/V 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 CABLING 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.

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

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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
5	ADD #6	05/03/24

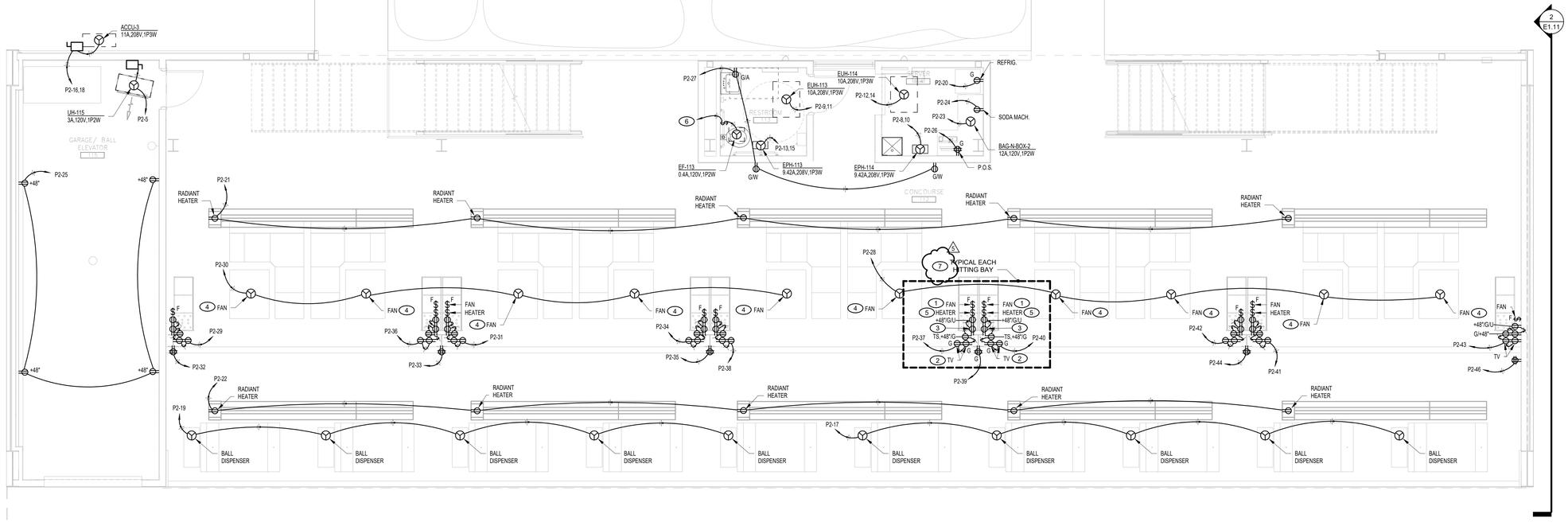
SHEET TITLE:
FIRST FLOOR PLAN - CLUBHOUSE - NEW SYSTEMS

SHEET NUMBER:
E1.03

5/3/2024 8:32:44 AM

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 A/V VENDOR DRAWINGS PRIOR TO ROUGH-IN.
3. DUPLEX RECEPTACLE TO BE MOUNTED INSIDE COLUMN WRAP. RECEPTACLE SHALL BE MOUNTED ADJACENT TO ACCESS PANEL OPENING. CLOSELY 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 OFF/HI/LO CONTROL SWITCHES WITH TIMER FOR BAY HEATERS. 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.
7. TYPICAL LAYOUT AND CIRCUITING OF HITTING BAYS. EACH BAY SHALL HAVE IDENTICAL INSTALLATION REQUIREMENTS AS HIGHLIGHTED TYPICAL BAY. FURNISH AND INSTALL GFCI RECEPTACLES AND CONTROL SWITCHES IN EACH BAY LOCATION AND SEE APPLICABLE KEYED NOTES FOR EACH TYPICAL BAY INSTALLATION.



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

NORTH

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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4	ADD #5	04/30/24
5	ADD #6	05/03/24

SHEET TITLE:

FIRST FLOOR PLAN - RANGE BAYS - POWER

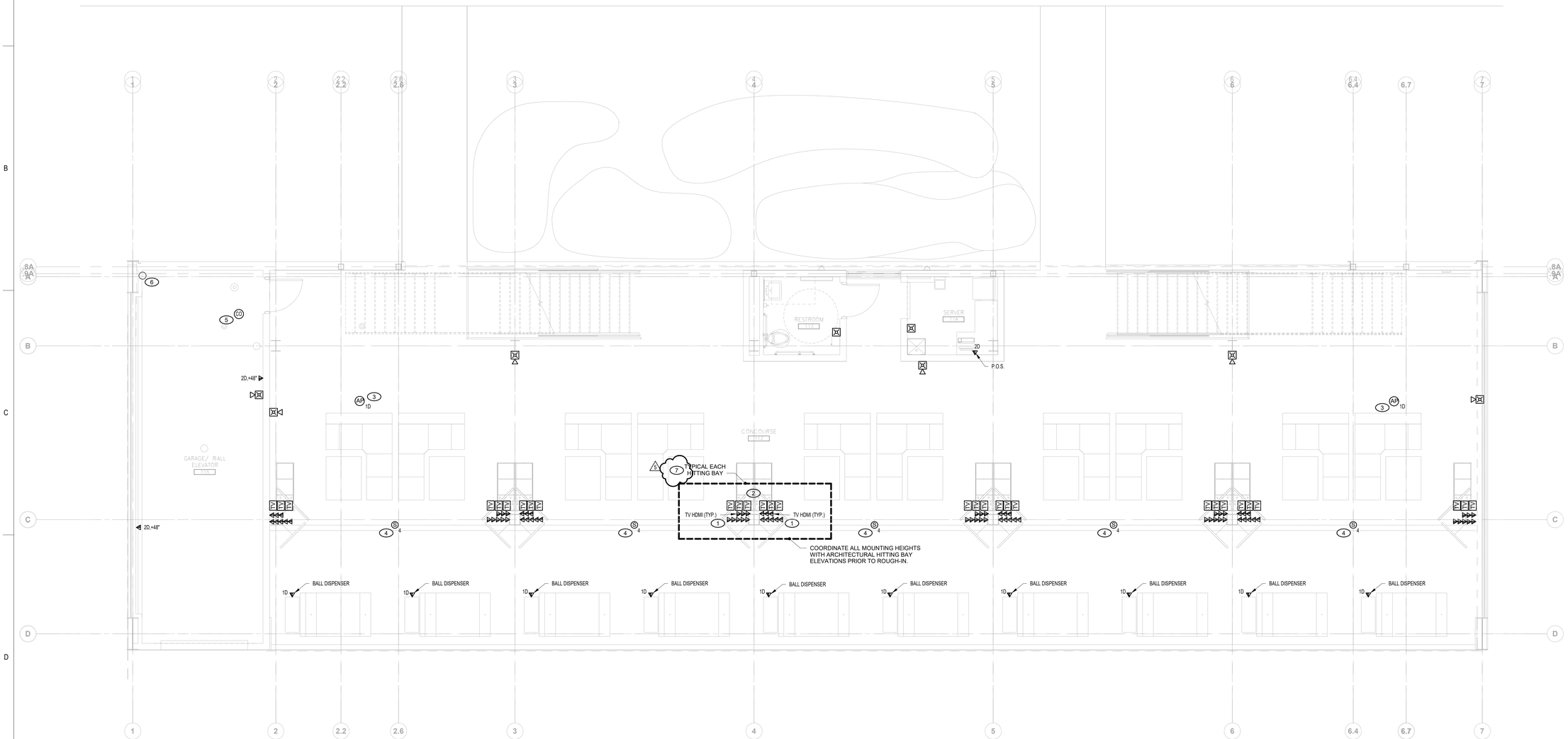
SHEET NUMBER:

E1.12

5/3/2024 8:32:45 AM

KEYED ELECTRICAL NOTES (THIS SHEET):

1. EACH DROP SHOWN SHALL INDICATE REQUIREMENT FOR ONE CAT6 CABLE RAN TO LOCATION. FURNISH AND INSTALL ROUGH-IN OF THREE DEVICE BACK BOXES AND ASSOCIATED CONDUIT BACK TO IDF-1.
2. VERIFY FINAL TV MOUNTING HEIGHT AND LOCATION WITH A/V VENDOR PRIOR TO ROUGH-IN. FURNISH AND INSTALL SEPARATE CONDUIT RUNS FOR CAT6 CABLING FOR EACH TV BACK TO IDF-1.
3. PROVIDE ROUGH-IN CONDUIT AND BACKBOX FOR WIRELESS ACCESS POINT TO BE INSTALLED BY OWNER'S I.T. REPRESENTATIVE.
4. INSTALL NEW SPEAKER FOR BUILDING A/V SYSTEM. EACH SPEAKER TYPE AND EACH ROOM SHALL BE ON ITS OWN A/V ZONE. ROUTE #16AWG STRANDED RISER TO A/V RACK HEAD END UNIT IN I.T./ELEC 202.
5. FURNISH AND INSTALL CARBON MONOXIDE DETECTOR WITHTIN 15' OF GAS-FIRED EQUIPMENT.
6. CONDUIT RISER FOR TELECOMMUNICATIONS, A/V, AND RANGE DEVICE CABLING TO IDF-1 ON SECOND FLOOR ABOVE.
7. TYPICAL LAYOUT AND REQUIREMENTS FOR EACH HITTING BAY. FURNISH AND INSTALL REQUIRED ROUGH-IN AT EACH BAY LOCATION. SEE KEYED NOTES IN TYPICAL LAYOUT FOR ALL BAY INSTALLATION.



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SHEET TITLE:

FIRST FLOOR PLAN - RANGE BAYS - SYSTEMS

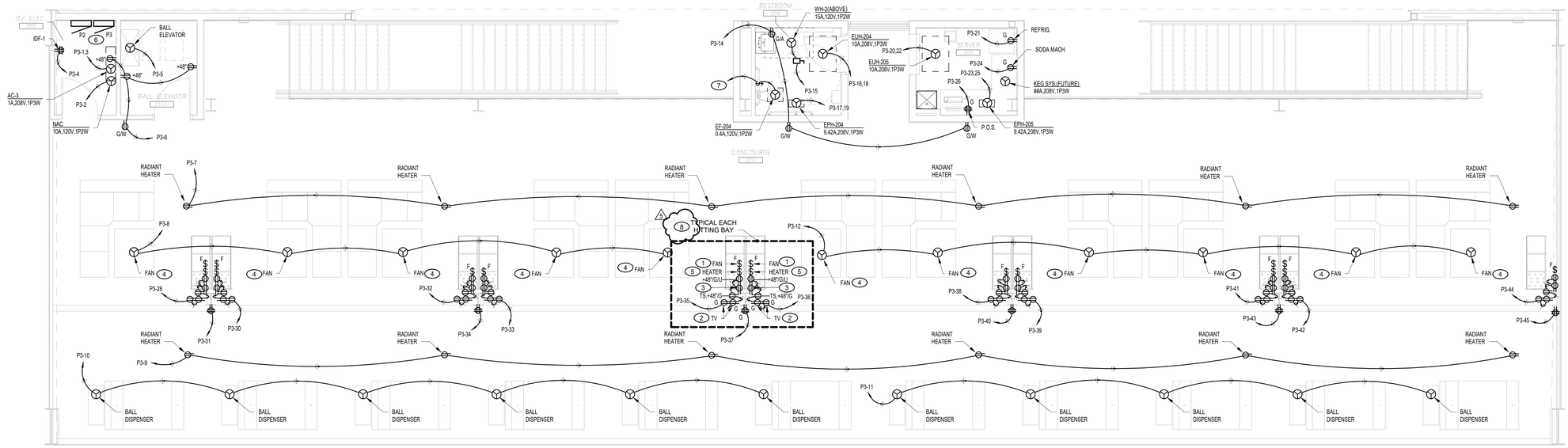
SHEET NUMBER:

E1.13

5/3/2024 8:32:46 AM

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 A/V VENDOR DRAWINGS PRIOR TO ROUGH-IN.
3. DUPLEX RECEPTACLE TO BE MOUNTED INSIDE COLUMN WRAP. RECEPTACLE SHALL BE MOUNTED ADJACENT TO ACCESS PANEL OPENING. CLOSELY 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 OFF/HI/LO CONTROL TIMER FOR BAY HEATERS. ONE SWITCH SHALL CONTROL FRONT AND REAR BAY HEATERS.
6. FURNISH AND INSTALL NEW 54-SPACE BRANCH CIRCUIT PANELS. SEE PANEL SCHEDULES ON SHEET E201 FOR SIZING AND ADDITIONAL INFORMATION.
7. CICRUIT EXHAUST FAN TO SAME CIRCUIT AS BATHROOM LIGHTING. FAN SHALL BE CONTROLLED WITH LIGHTING TO COME ON WHEN LIGHTS ARE ON.
8. TYPICAL LAYOUT AND CIRCUITING OF HITTING BAYS. EACH BAY SHALL HAVE IDENTICAL INSTALLATION REQUIREMENTS AS HIGHLIGHTED TYPICAL BAY. FURNISH AND INSTALL GFCI RECEPTACLES AND CONTROL SWITCHES IN EACH BAY LOCATION AND SEE APPLICABLE KEYED NOTES FOR EACH TYPICAL BAY INSTALLATION.



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

NORTH

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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
5	ADD #6	05/03/24

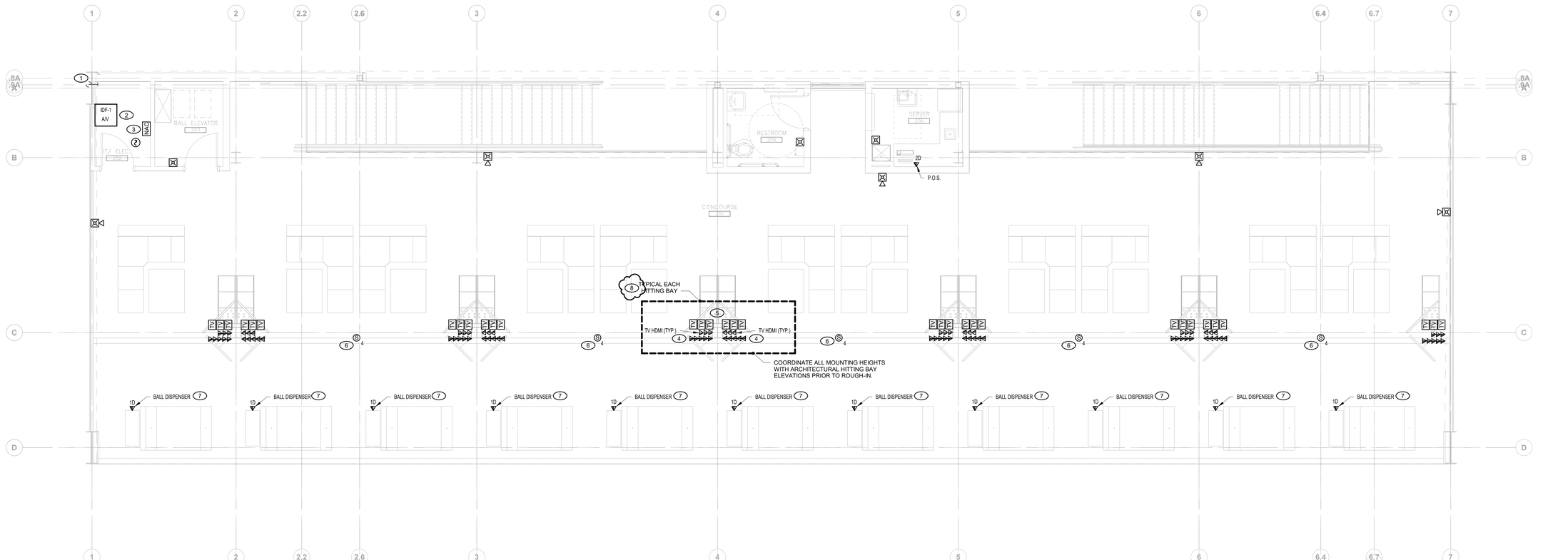
SHEET TITLE:
SECOND FLOOR PLAN - RANGE BAYS - POWER

SHEET NUMBER:
E1.22

5/3/2024 8:32:47 AM

KEYED ELECTRICAL NOTES (THIS SHEET):

1. CONDUIT RISER FOR TWO 3" UNDERGROUND CONDUIT FROM 'MDF' TO PENETRATE INTO I.T./ELEC 202 TO FEED 'IDF-1'. COORDINATE FINAL END POINT AND RISER LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. FURNISH AND INSTALL 1/4" FISH TAPE IN CONDUIT FOR OWNERS INSTALLER TO PULL FIBER.
2. NEW DATA AND A/V EQUIPMENT RACK. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN CONDUIT AND BACK BOXES AND INSTALLATION AND TERMINATION OF CABLING FOR ALL DATA AND A/V DEVICES. COORDINATE A/V EQUIPMENT REQUIREMENTS WITH OWNER'S A/V REPRESENTATIVE.
3. FURNISH AND INSTALL FIRE ALARM NAC PANEL. CIRCUIT DEVICES ON CONCOURSE AS SEPARATE ZONE ON MAIN FIRE ALARM CONTROL PANEL.
4. EACH DROP SHOWN SHALL INDICATE REQUIREMENT FOR ONE CAT6 CABLE RAN TO LOCATION. FURNISH AND INSTALL ROUGH-IN OF THREE DEVICE BACK BOXES AND ASSOCIATED CONDUIT BACK TO IDF-1.
5. VERIFY FINAL TV MOUNTING HEIGHT AND LOCATION WITH A/V VENDOR PRIOR TO ROUGH-IN. FURNISH AND INSTALL SEPARATE CONDUIT RUNS FOR CAT6 CABLING FOR EACH TV BACK TO IDF-1.
6. INSTALL NEW SPEAKER FOR BUILDING A/V SYSTEM. EACH SPEAKER TYPE AND EACH ROOM SHALL BE ON ITS OWN A/V ZONE. ROUTE #16AWG STRANDED RISER TO A/V RACK HEAD END UNIT IN I.T./ELEC 202.
7. FURNISH AND INSTALL CONDUIT WITH 1/4" PULL ROPE FOR CABLING TO BALL DISPENSERS FROM IDF-1.
8. TYPICAL LAYOUT AND REQUIREMENTS FOR EACH HITTING BAY. FURNISH AND INSTALL REQUIRED ROUGH-IN AT EACH BAY LOCATION. SEE KEYED NOTES IN TYPICAL LAYOUT FOR ALL BAY INSTALLATION.



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

NORTH

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PEORIA PARK DISTRICT
GOLF PRACTICE FACILITY ADDITION

7815 N. RADNOR ROAD, PEORIA ILLINOIS 61615

DKA PROJECT NO: 22-051

BRIAN K. DEMONICA — LICENSED PROFESSIONAL ARCHITECT — STATE OF ILLINOIS

DATE: 4/9/2024

KEY PLAN:

SHEET STATUS: APRIL 9, 2024

BIDDING AND PERMIT SET

NO:	DESCRIPTION:	DATE:
1	ADD #1	04/16/24
5	ADD #6	05/03/24

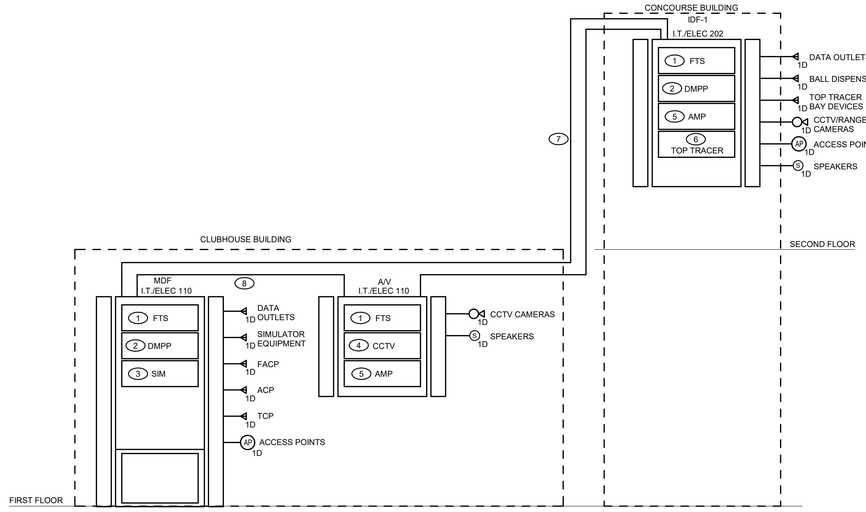
SHEET TITLE:

SECOND FLOOR PLAN - RANGE BAYS - SYSTEMS

SHEET NUMBER:

E1.23

5/3/2024 8:32:48 AM



NOTES:

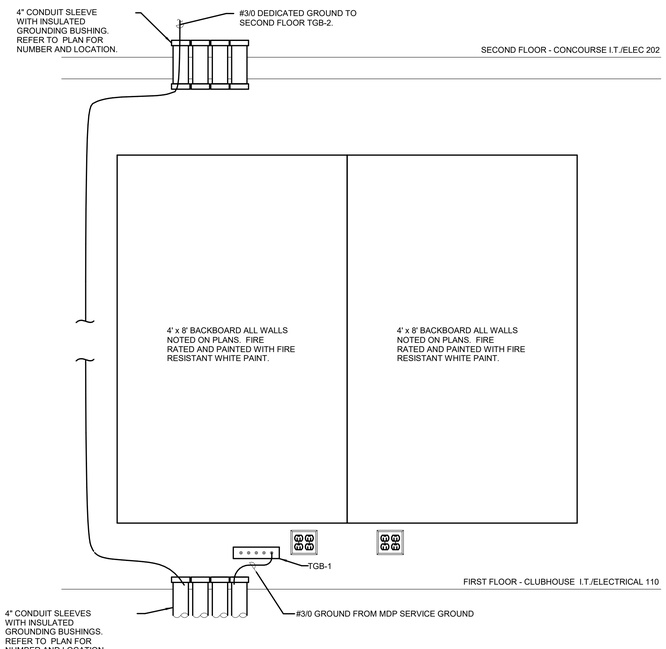
FURNISH AND INSTALL TWO UNDERGROUND 3" PVC CONDUIT FROM MDF IN I.T./ELECTRICAL 110 TO IDF-1 IN HITTING BAY/CONCOURSE I.T./ELEC 202. INCLUDE ALL CUTTING, CORING, PATCHING AND FIRE SEALING IN BID PROPOSAL. COORDINATE EXACT LOCATIONS WITH THE PROJECT MANAGER AND THE OWNER'S IT REPRESENTATIVE PRIOR TO INSTALLATION.

1 TELECOMMUNICATION CONDUIT RISER DIAGRAM

SCALE: NOT TO SCALE

KEYED ELECTRICAL NOTES (THIS SHEET):

1. FIBER TERMINATION SHELF. FURNISHED, INSTALLED, AND CABLED BY OWNERS I.T. REPRESENTATIVE.
2. 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.
3. GOLF SIMULATOR EQUIPMENT. FURNISHED AND INSTALL BY GOLF SIMULATOR SUPPLIER/INSTALLER. OWNERS I.T. SHALL VERIFY REQUIRED RACK UNIT SPACE FOR EQUIPMENT RACK SIZING.
4. 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.
5. AUDIO SYSTEM AMPLIFIER AND HEAD UNIT. FURNISHED AND INSTALLED BY OWNERS A/V REPRESENTATIVE. VERIFY REQUIRED RACK UNIT SPACE FOR EQUIPMENT RACK SIZING.
6. 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.
7. E.C. SHALL PROVIDE THREE 3" UNDERGROUND PVC CONDUIT FROM MDF-1 TO IDF-1 FOR TELECOMMUNICATIONS CABLING.
8. 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

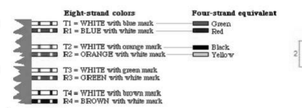
TELEPHONE AND DATA EQUIPMENT SCHEDULE

ITEM	SYMBOL	DESCRIPTION	MANUFACTURER
1	MDF DATA RACK AND ACCESSORIES	MAIN TELECOMMUNICATIONS RACK, FOUR-POST, SHALL HAVE MINIMUM 45RU. FURNISHED BY OWNER, INSTALLED BY CERTIFIED SYSTEM INSTALLER. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES BETWEEN DATA RACKS AND EQUIPMENT, FURNISH AND INSTALLATION OF CABLING, AND TERMINATION OF CABLING AT EQUIPMENT RACK AND DOWNSTREAM DEVICE. RACK MOUNTED EQUIPMENT SHALL BE FURNISHED BY OWNER AND INSTALLED BY CERTIFIED SYSTEM INSTALLER. E.C. SHALL INCLUDE ALL COSTS FOR CERTIFIED INSTALLATIONS IN BID PROPOSAL. ALL FIBER SHALL BE FURNISHED AND INSTALLED BY OWNERS. ROUGH-IN OF CONDUIT BY E.C.	EQUIPMENT SHALL BE FURNISHED BY OWNER, INSTALLED BY CERTIFIED SYSTEM INSTALLER. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN CONDUIT, BACK BOXES, CABLING, AND TERMINATIONS.
2	IDF-1, A/V DATA RACK AND ACCESSORIES	WALL MOUNTED DATA RACK, SHALL HAVE A MINIMUM OF 24 RU FOR EQUIPMENT. NETWORK EQUIPMENT FURNISHED BY OWNER, INSTALLED BY CERTIFIED SYSTEM INSTALLER. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF CONDUIT AND BACK BOXES BETWEEN DATA RACKS AND EQUIPMENT AND INSTALLATION AND TERMINATION OF ALL CABLING AT RACK AND DOWNSTREAM DEVICE. CERTIFIED INSTALLER SHALL ALSO INLCUDE COST IN BID FOR TESTING OF SYSTEM. A/V EQUIPMENT FURNISHED AND INSTALLED BY OWNER. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN OF BACK BOXES, CONDUIT, INSTALLATION OF CABLING, AND TERMINATION AT EQUIPMENT AND DEVICE. E.C. SHALL LEAVE 10' SERVICE LOOPS ON TERMINATIONS PULLED FOR A/V DEVICES TO ALLOW FOR ADJUSTMENT AS NECESSARY.	RACK EQUIPMENT FURNISHED BY OWNER E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN, CABLING, AND TERMINATIONS OF TELECOMMUNICATIONS SYSTEMS A/V EQUIPMENT FURNISHED AND INSTALLED BY OWNER. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN, CABLING, AND TERMINATIONS FOR A/V EQUIPMENT AND DEVICES.
3	NEW TELE-DATA OUTLET	NEW TELECOMMUNICATION VOICE/ DATA OUTLET. ROUGHED-IN BY THE ELECTRICAL CONTRACTOR, CABLING AND TERMINATIONS 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. '#D' 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 PLENUM RATED FOUR PAIR UTP. ALL CABLES SHALL BE TERMINATED TO A NEW PATCH PANEL IN MDF-1 OR IDF-1. CABLING MAY BE ROUTED OPEN ABOVE ACCESSIBLE CEILINGS. ALL EXPOSED CABLING SHALL BE ROUTED IN CONDUIT IN UNFINISHED AREAS.	SYSTIMAX ELECTRICAL CONTRACTOR TO PROVIDE ALL ROUGH-IN, CABLING, AND INSTALLATION OF DROPS. E.C. SHALL INCLUDE COST FOR ALL LABOR AND MATERIALS REQUIRED FOR DEVICE INSTALLATION. COVER PLATE SYSTIMAX BLANKS SYSTIMAX CONNECTORS SYSTIMAX CABLE SYSTIMAX J-HOOKS PANDUIT JP2W-L20 PANDUIT JP4W-X20 HOOK AND LOOP TAPE PANDUIT TTS-20RO
4	AP 1D	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.	FURNISHED BY OWNER, INSTALLED BY THE E.C.
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.	SYSTIMAX 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.	SYSTIMAX FLAT PLATE PATCH PANEL
7	TGB-1	MAIN TELECOMMUNICATIONS GROUND BAR. HIGH CONDUCTIVITY COPPER AND TIN-PLATED TO INHIBIT CORROSION. 1/4" X 2" X 12" PRE-ASSEMBLED WITH BRACKETS AND INSULATORS ATTACHED. SEE DRAWINGS FOR QUANTITIES, LOCATIONS AND ADDITIONAL WORK REQUIRED.	PANDUIT GB2B0306TPI-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	S1	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	S2	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	S3	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	S4	8" 2-WAY ALL-WEATHER SPEAKER, INJECTION MOLDED, UV RESISTANT, POWDER COATED ALUMINUM GRILLS, BLACK HOUSING, 60W, 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		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		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 AN INSTALLED BY TOP TRACER SYSTEM INSTALLER.

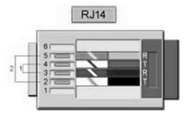
Straight-Through Ethernet Cable Pin Out for T568B

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



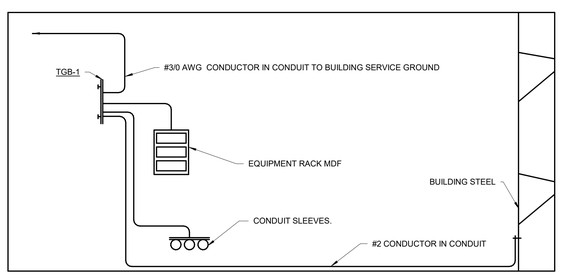
2 RJ 45 CONNECTOR DETAIL

SCALE: NOT TO SCALE

NOTE:

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

-COMMSCOPE
-PANDUIT

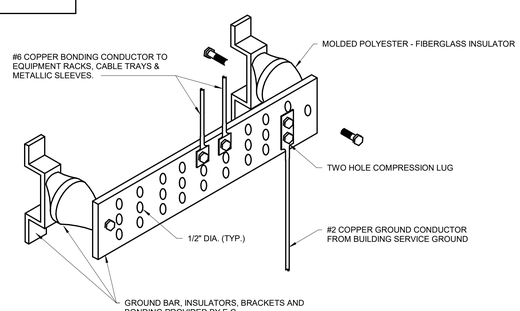


NOTES:

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

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DKA PROJECT NO: 22-051

DATE: 4/9/2024

KEY PLAN:

SHEET STATUS: APRIL 9, 2024

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NO:	DESCRIPTION:	DATE:
1	ADD #1	04/16/24
4	ADD #5	04/30/24
5	ADD #6	05/03/24

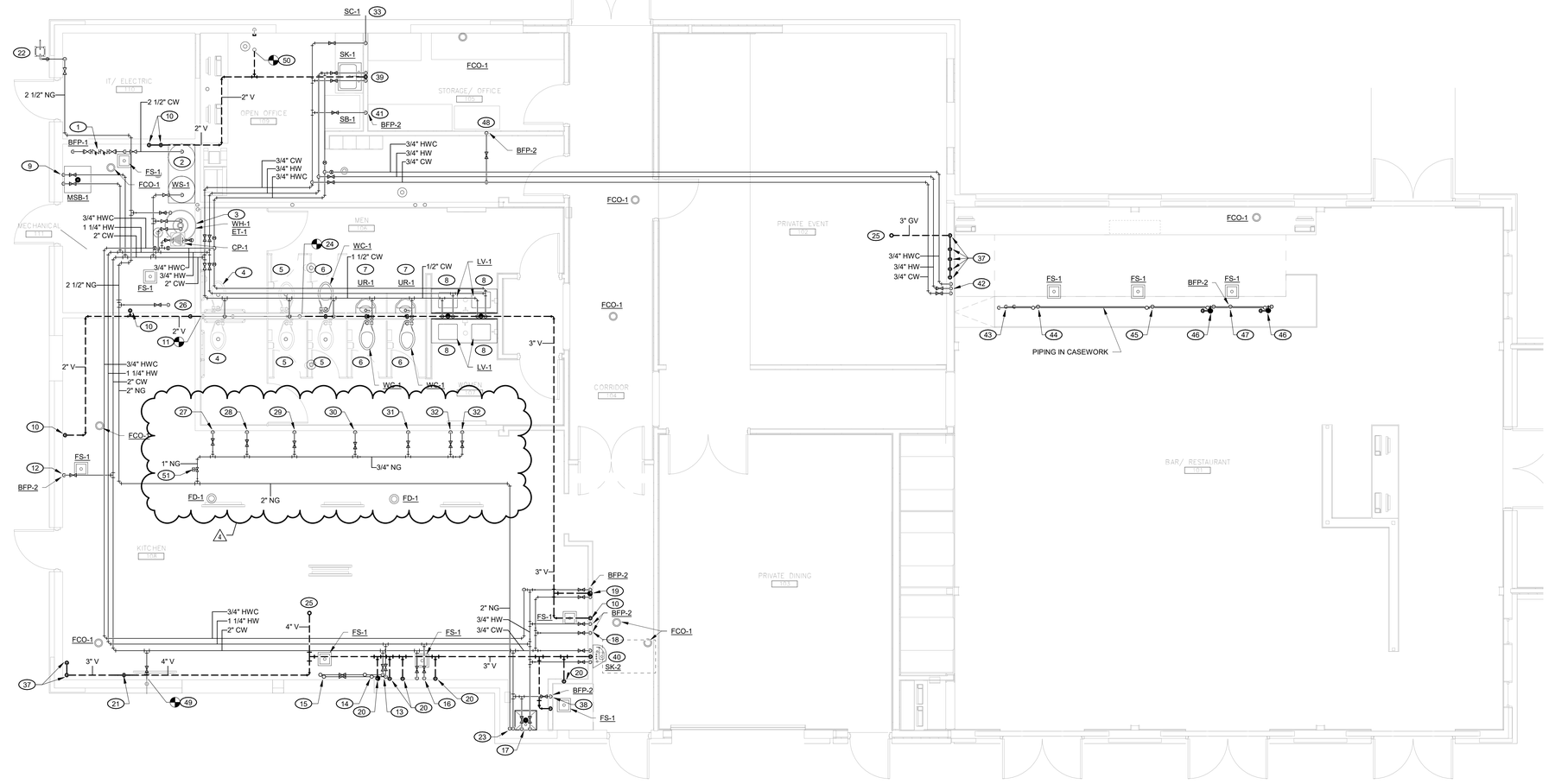
SHEET TITLE:

TELECOMM. RISER, SCHEDULE, AND NOTES

SHEET NUMBER:

E4.1

5/3/2024 8:32:48 AM



DRAWING FROM ADDENDUM 5 - FOR REFERENCE

1 FIRST FLOOR PLAN - CLUBHOUSE - PLUMBING

SCALE: 1/4" = 1'-0"

NORTH

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 (199 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. INSTALL BACKFLOW PREVENTER ON CW SUPPLY PIPING TO DISPOSER. 2" VENT PIPING FROM 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 14" 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 THRU 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 - PLUMBING

SHEET NUMBER:

P1.01

4/30/2024 7:59:43 AM

DRAWING FROM ADDENDUM 5 - FOR REFERENCE

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 TELECOMMINICATIONS 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 CABLING 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 A/V EQUIPMENT RACK. EQUIPMENT AND TERMINATIONS TO BE INSTALLED BY OWNERS A/V REPRESENTATIVE. PROVIDE CAT.6 CABLING FROM 'MDF' TO A/V RACK. E.C. SHALL BE RESPONSIBLE FOR ALL ROUGH-IN CONDUIT. COORDINATE REQUIREMENTS WITH OWNERS A/V REPRESENTATIVE PRIOR TO BID AND ROUGH-IN.
11. FURNISH AND INSTALL 2-GANG JUNCTION BOX FOR A/V SYSTEM CONTROLS AND CABLING. COORDINATE REQUIREMENTS AND FINAL LOCATION WITH OWNERS A/V REPRESENTATIVE.
12. INSTALL NEW SPEAKER FOR BUILDING A/V SYSTEM. EACH SPEAKER TYPE AND EACH ROOM SHALL BE ON ITS OWN A/V ZONE. ROUTE #16AWG STRANDED RISER TO A/V 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 ACCESSABLE 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 CIRCUITS TO ITS DEVICES IN MEN'S CONCOURSE BUILDING. SEE SHEET E1.0 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 RELAY AND REMOTE INDICATORS FOR 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"

NORTH

NOTE:
COORDINATE ALL TV RECEPTACLE ROUGH-IN HEIGHT AND LOCATIONS WITH THE OWNERS A/V 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 CABLING 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.

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

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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

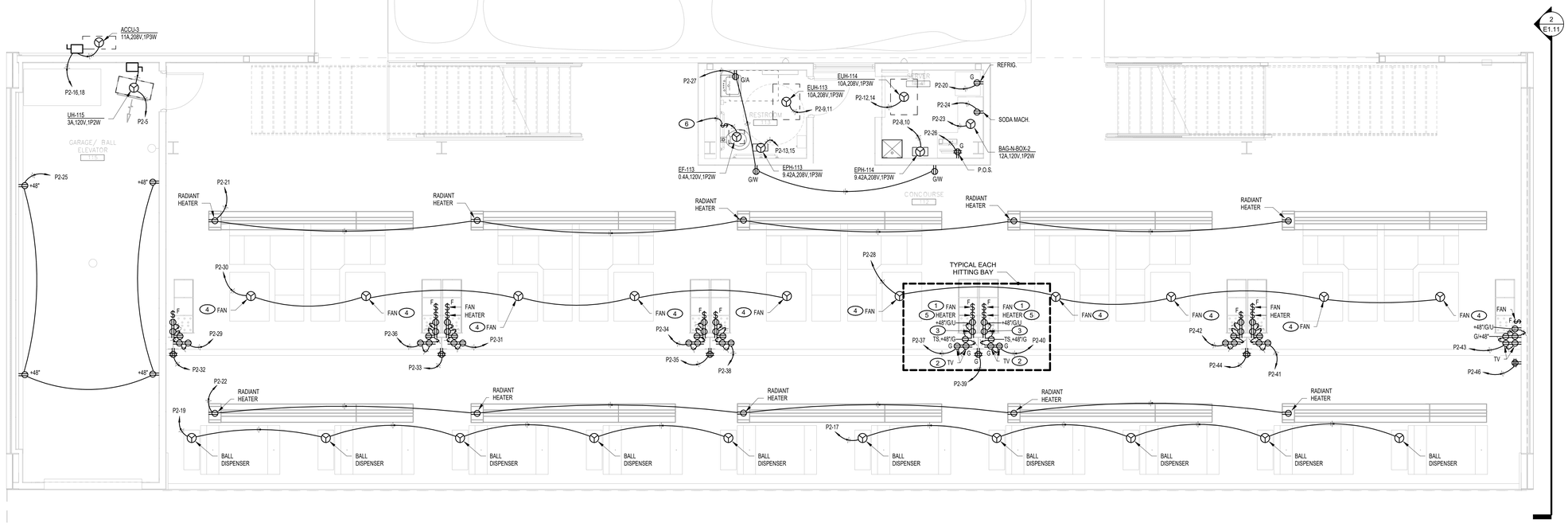
SHEET NUMBER:
E1.03

4/30/2024 2:33:52 PM

DRAWING FROM ADDENDUM 5 - FOR REFERENCE

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 A/V VENDOR DRAWINGS PRIOR TO ROUGH-IN.
3. DUPLEX RECEPTACLE TO BE MOUNTED INSIDE COLUMN WRAP. RECEPTACLE SHALL BE MOUNTED ADJACENT TO ACCESS PANEL OPENING. CLOSELY 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 OFF/HI/LOW CONTROL SWITCH AS WITH TIMER FOR REAR HEATERS. ONE SWITCH SHALL CONTROL BOTH FRONT AND REAR BAY HEATERS.
6. CICRUIT EXHAUST FAN TO SAME CIRCUIT AS BATHROOM LIGHTING. FAN SHALL BE CONTROLLED WITH LIGHITNG TO COME ON WHEN LIGHTS ARE ON.



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

NORTH

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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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

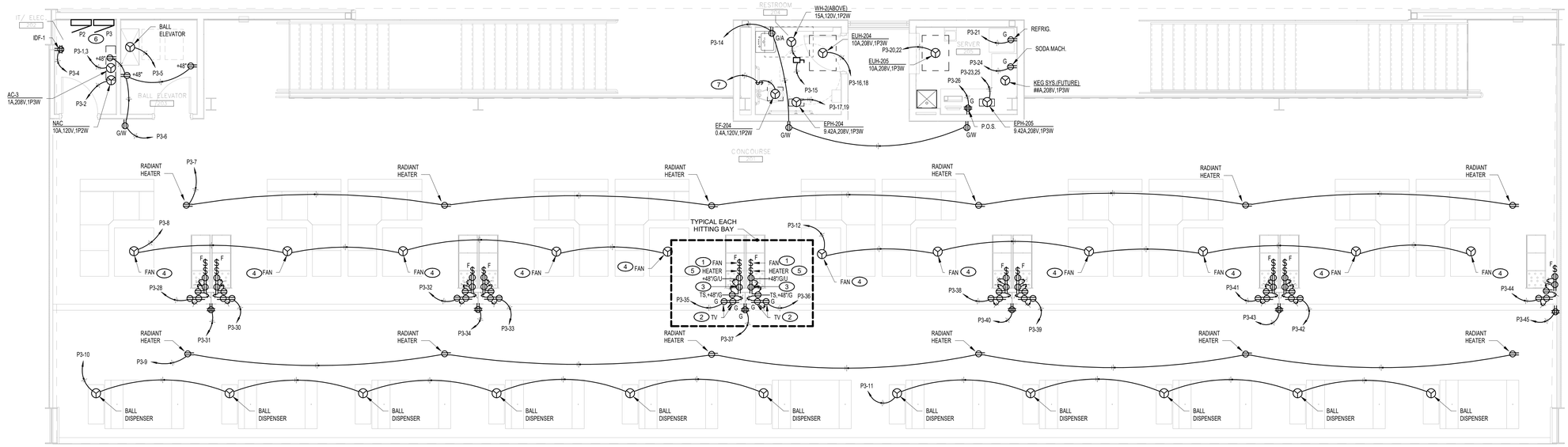
SHEET NUMBER:
E1.12

4/30/2024 2:33:53 PM

DRAWING FROM ADDENDUM 5 - FOR REFERENCE

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 A/V VENDOR DRAWINGS PRIOR TO ROUGH-IN.
3. DUPLEX RECEPTACLE TO BE MOUNTED INSIDE COLUMN WRAP. RECEPTACLE SHALL BE MOUNTED ADJACENT TO ACCESS PANEL OPENING. CLOSELY 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 OPTICAL CONTROL TIMER FOR BAY HEATERS. ONE SWITCH SHALL CONTROL FRONT AND REAR BAY HEATERS.
6. FURNISH AND INSTALL NEW 54-SPACE BRANCH CIRCUIT PANELS. SEE PANEL SCHEDULES ON SHEET E201 FOR SIZING AND ADDITIONAL INFORMATION.
7. CICRUIT EXHAUST FAN TO SAME CIRCUIT AS BATHROOM LIGHTING. FAN SHALL BE CONTROLLED WITH LIGHITNG TO COME ON WHEN LIGHTS ARE ON.



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

NORTH

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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:

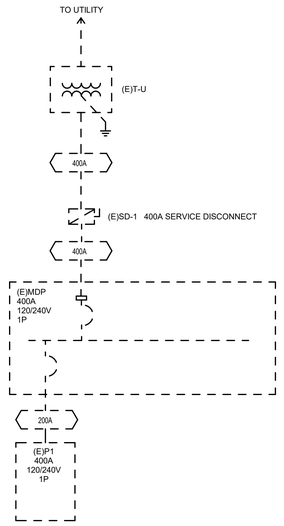
SHEET STATUS: APRIL 9, 2024
BIDDING AND PERMIT SET

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

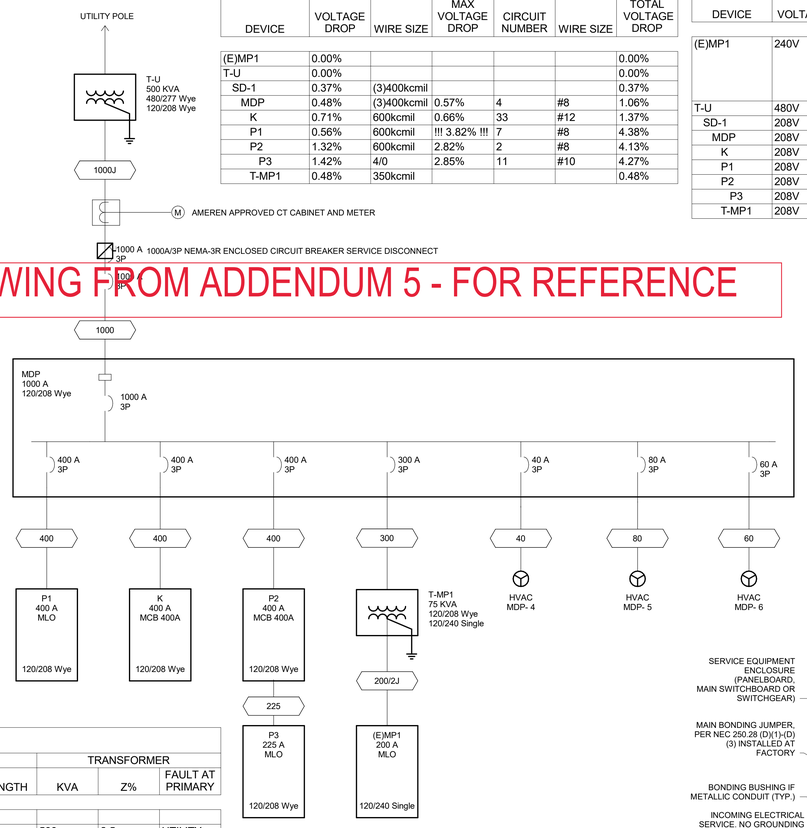
SHEET TITLE:
SECOND FLOOR PLAN - RANGE BAYS - POWER

SHEET NUMBER:
E1.22

4/30/2024 2:33:55 PM



1 EXISTING ONE-LINE DIAGRAM
SCALE: NOT TO SCALE



DRAWING FROM ADDENDUM 5 - FOR REFERENCE

2 NEW ONE-LINE DIAGRAM
SCALE: NOT TO SCALE

VOLTAGE DROP SCHEDULE						
	FEEDER		BRANCH CIRCUIT			
DEVICE	VOLTAGE DROP	WIRE SIZE	MAX VOLTAGE DROP	CIRCUIT NUMBER	WIRE SIZE	TOTAL VOLTAGE DROP
(E)MP1	0.00%					0.00%
T-U	0.00%					0.00%
SD-1	0.37%	(3)400kcmil				0.37%
MDP	0.48%	(3)400kcmil	0.57%	4	#8	1.06%
K	0.71%	600kcmil	0.66%	33	#12	1.37%
P1	0.56%	600kcmil	!!! 3.82% !!!	7	#8	4.38%
P2	1.32%	600kcmil	2.82%	2	#8	4.13%
P3	1.42%	4/0	2.85%	11	#10	4.27%
T-MP1	0.48%	350kcmil				0.48%

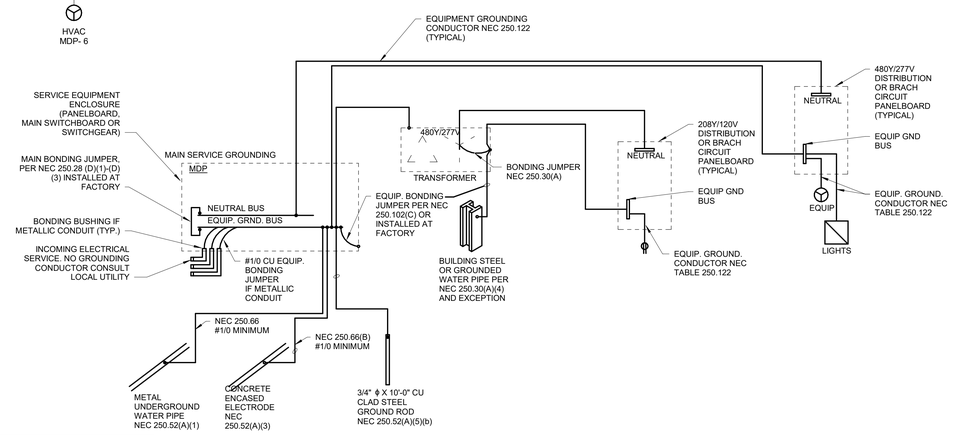
ARC-FLASH SCHEDULE				
DEVICE	VOLTAGE	INCIDENT ENERGY	WORKING DISTANCE	ARC-FLASH BOUNDARY DISTANCE
(E)MP1	240V	2,645,084,330.24 cal/cm² Lee Method Fault > 106,000A	1'-0"	47046'-10"
T-U	480V	1,039.04 cal/cm²	1'-0"	27'-12"
SD-1	208V	428.36 cal/cm²	1'-0"	18'-1"
MDP	208V	407.60 cal/cm²	1'-0"	17'-8"
K	208V	259.30 cal/cm²	1'-0"	14'-2"
P1	208V	359.40 cal/cm²	1'-0"	16'-7"
P2	208V	156.71 cal/cm²	1'-0"	11'-0"
P3	208V	138.65 cal/cm²	1'-0"	10'-5"
T-MP1	208V	124.45 cal/cm²	1'-0"	9'-10"

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

ELECTRICAL EQUIPMENT CONNECTION SCHEDULE

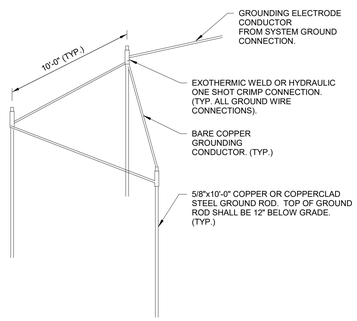
ID Mark	Voltage Nominal	Phase	Apparent Power	MOCP	Panel	Circuit Number	Wire Callout
AC-1	208 V	1	208 VA	20 A	P1	23,25	3/4"C, 2#10, #10N, #10G
AC-2	208 V	1	112 VA	20 A	P1	27,29	3/4"C, 2#10, #10N, #10G
AC-3	208 V	1	208 VA	20 A	P3	1,3	3/4"C, 2#10, #10N, #10G
ACCU-1	208 V	1	3744 VA	30 A	P1	24,26	3/4"C, 2#10, #10N, #10G
ACCU-1X	208 V	1	5408 VA	40 A	P1	60,62	3/4"C, 2#8, #8N, #10G
ACCU-2	208 V	1	3536 VA	30 A	P1	28,30	3/4"C, 2#10, #10N, #10G
ACCU-3	208 V	1	2288 VA	20 A	P2	16,18	3/4"C, 2#10, #10N, #10G
BAG-N-BOX-1	120 V	1	1440 VA	20 A	P1	54	3/4"C, 1#10, #10N, #10G
BAG-N-BOX-2	120 V	1	1440 VA	20 A	P2	23	3/4"C, 1#10, #10N, #10G
BD-1	120 V	1	24 VA	20 A	P1	67	3/4"C, 1#10, #10N, #10G
BD-2	120 V	1	24 VA	20 A	P3	48	3/4"C, 1#10, #10N, #10G
COOLER CONDENSER	208 V	3	5404 VA	20 A	K	48,50,52	3/4"C, 3#10, #10N, #10G
COOLER EVAPORATOR	208 V	1	1040 VA	20 A	K	47,49	3/4"C, 2#10, #10N, #10G
COOLER LTS	120 V	1	600 VA	20 A	K	41	3/4"C, 1#10, #10N, #10G
DISP-1	208 V	3	2162 VA	20 A	K	28,30,32	3/4"C, 3#10, #10N, #10G
DOOR HEATER	120 V	1	600 VA	20 A	K	40	3/4"C, 1#10, #10N, #10G
DOOR HEATER	120 V	1	575 VA	20 A	K	41	3/4"C, 1#10, #10N, #10G
DW-1	208 V	3	17653 VA	70 A	K	27,29,31	1-1/4"C, 3#4, #4N, #8G
DW-2	208 V	1	7553 VA	45 A	P1	57,59	1"C, 2#6, #6N, #10G
EF-1	208 V	1	2912 VA	20 A	P1	15,17	3/4"C, 2#10, #10N, #10G
EF-106	120 V	1	168 VA	20 A	P1	1	3/4"C, 1#10, #10N, #10G
EF-107	120 V	1	168 VA	20 A	P1	1	3/4"C, 1#10, #10N, #10G
EF-KH-1	208 V	3	2702 VA	20 A	K	53,55,57	3/4"C, 3#10, #10N, #10G
EF-KH-2	208 V	3	2702 VA	20 A	K	54,56,58	3/4"C, 3#10, #10N, #10G
EPH-113	208 V	1	1959 VA	20 A	P2	13,15	3/4"C, 2#10, #10N, #10G
EPH-114	208 V	1	1959 VA	20 A	P2	8,10	3/4"C, 2#10, #10N, #10G
EPH-204	208 V	1	1959 VA	20 A	P3	17,19	3/4"C, 2#10, #10N, #10G
EPH-205	208 V	1	1959 VA	20 A	P3	23,25	3/4"C, 2#10, #10N, #10G
EUH-2	208 V	1	4160 VA	30 A	P1	16,18	3/4"C, 2#10, #10N, #10G
EUH-3	208 V	1	4160 VA	30 A	P1	19,21	3/4"C, 2#10, #10N, #10G
EUH-4	208 V	1	4160 VA	30 A	P1	20,22	3/4"C, 2#10, #10N, #10G
EUH-113	208 V	1	2080 VA	20 A	P2	9,11	3/4"C, 2#10, #10N, #10G
EUH-114	208 V	1	2080 VA	20 A	P2	12,14	3/4"C, 2#10, #10N, #10G
EUH-204	208 V	1	2080 VA	20 A	P3	16,18	3/4"C, 2#10, #10N, #10G
EUH-205	208 V	1	2080 VA	20 A	P3	20,22	3/4"C, 2#10, #10N, #10G
FAA	120 V	1	1440 VA	20 A	P1	66	3/4"C, 1#10, #10N, #10G
FIRE PROT. SYS.(HOOD)	120 V	1	1800 VA	20 A	K	3	3/4"C, 1#10, #10N, #10G
FREEZER CONDENSER	208 V	3	7097 VA	30 A	K	42,44,46	3/4"C, 3#10, #10N, #10G
FREEZER EVAPORATOR	208 V	1	1040 VA	20 A	K	43,45	3/4"C, 2#10, #10N, #10G
GAS SOLENOID	120 V	1	600 VA	20 A	K	7	3/4"C, 1#10, #10N, #10G
HOOD PANEL	120 V	1	900 VA	20 A	K	2	3/4"C, 1#10, #10N, #10G
ICE MAKER	208 V	1	3328 VA	20 A	K	59,61	3/4"C, 2#10, #10N, #10G
MAU-1	208 V	1	13499 VA	80 A	MDP	5	1-1/4"C, 3#2, #2N, #8G
RTU-1	208 V	1	9152 VA	40 A	MDP	4	3/4"C, 3#8, #8N, #10G
RTU-2	208 V	3	25218 VA	60 A	MDP	6	1-1/4"C, 3#4, #4N, #10G
SCP	120 V	1	1440 VA	20 A	P1	31	3/4"C, 1#10, #10N, #10G
SPEED BAR	120 V	1	180 VA	20 A	P1	55	3/4"C, 1#10, #10N, #10G
UH-115	120 V	1	360 VA	20 A	P2	5	3/4"C, 1#10, #10N, #10G
WH-2	120 V	1	1800 VA	20 A	P3	15	3/4"C, 1#10, #10N, #10G

FAULT CURRENT SCHEDULE								
				FEEDER		TRANSFORMER		
DEVICE	FAULT AT DEVICE	AIC RATING	VOLTAGE	SIZE	LENGTH	KVA	Z%	FAULT AT PRIMARY
(E)MP1	UTILITY	10,000 AMPS SYMMETRICAL	240V					
T-U	55,554		480V			500	2.5	UTILITY
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



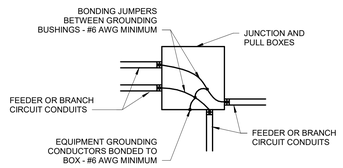
NOTE:
REFER TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, ARTICLE 250 - GROUNDING AND BONDING FOR ADDITIONAL INFORMATION.

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



NOTE:
ALL CONDUITS SHALL INCLUDE GROUNDING BUSHINGS FOR THE FOLLOWING CONDITIONS:
1. CONDUITS 1-1/4" AND LARGER.
2. ALL RACEWAYS CONTAINING SERVICE CONDUCTORS
3. ALL RACEWAYS CONTAINING GROUNDING ELECTRODE CONDUCTORS
4. METALLIC RACEWAYS TERMINATING ON NON-METALLIC ENCLOSURES
5. RACEWAYS THAT TERMINATE ON CONCENTRIC KNOCKOUTS WITH CIRCUITRY EXCEEDING MORE THAN 250-VOLTS TO GROUND.

REFER TO THE NATIONAL ELECTRICAL CODE FOR ADDITIONAL REQUIREMENTS.

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

EXISTING MAIN PANEL (FOR REFERENCE ONLY)

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

Notes:

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

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:

NEW MAIN DISTRIBUTION PANEL

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

Notes:

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	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	7905 VA	100.00%	7905 VA		
HVAC	63373 VA	100.00%	63373 VA	**Total Conn. Load:**	263938 VA
Heating	26327 VA	100.00%	26327 VA	**Total Est. Demand:**	228728 VA
KITCHEN EQUIP	67110 VA	65.00%	43621 VA	**Total Conn.:**	733 A
Lighting	108 VA	125.00%	135 VA	**Total Est. Demand:**	635 A
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		

Notes:

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DEMONICA KEMPER ARCHITECTS
100 HARRISON STREET
PEORIA, IL 61602
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STRUCTURAL ENGINEER
RLG CONSULTING ENGINEERS
412 SW WASHINGTON STREET
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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.
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:
3	ADD #4	04/25/24
4	ADD #5	04/30/24

SHEET TITLE:
ONE-LINE DIAGRAMS AND DISTRIBUTION DETAILS

SHEET NUMBER:
E2.0

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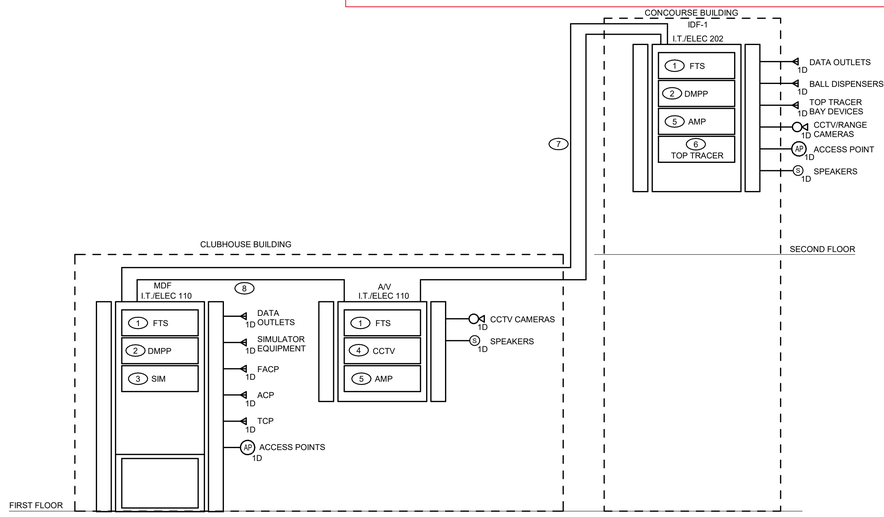
DRAWING FROM ADDENDUM 5 - FOR REFERENCE



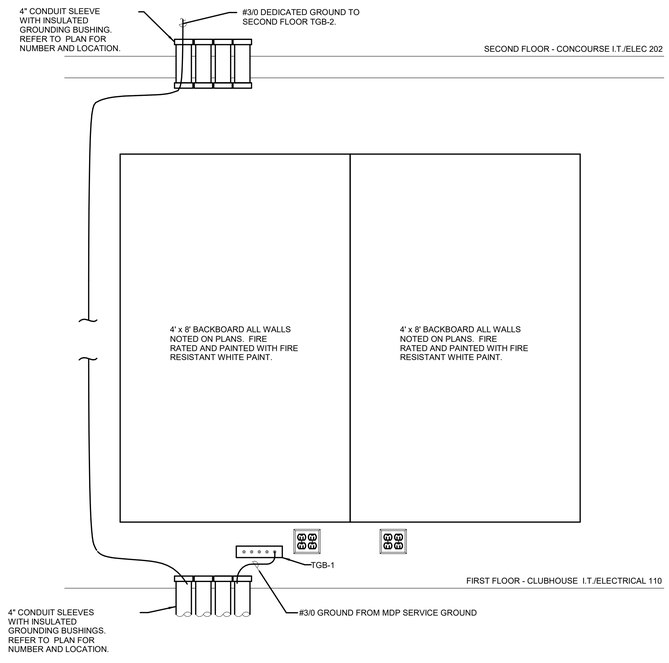
NOTES:

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):

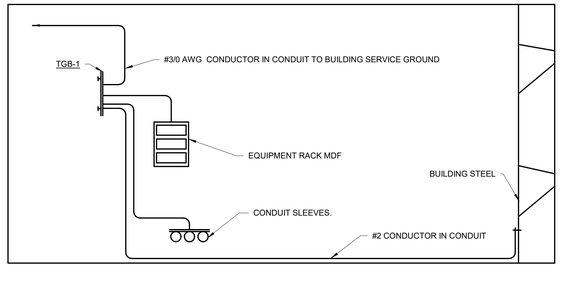
1. FIBER TERMINATION SHELF. FURNISHED, INSTALLED, AND CABLED BY OWNERS I.T. REPRESENTATIVE.
2. MODULAR PATCH PANEL. OWNERS I.T. SHALL VERIFY QUANTITIES FOR EACH EQUIPMENT RACK AND SHALL FURNISH AND INSTALL ALL PANELS AND ASSOCIATED CABLING AND TERMINATIONS.
3. GOLF SIMULATOR EQUIPMENT. FURNISHED AND INSTALL BY GOLF SIMULATOR SUPPLIER/INSTALLER. OWNERS I.T. SHALL VERIFY REQUIRED RACK UNIT SPACE FOR EQUIPMENT RACK SIZING.
4. 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.
5. AUDIO SYSTEM AMPLIFIER AND HEAD UNIT. FURNISHED AND INSTALLED BY OWNERS A/V REPRESENTATIVE. VERIFY REQUIRED RACK UNIT SPACE FOR EQUIPMENT RACK SIZING.
6. 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.
7. E.C. SHALL PROVIDE THREE 3" UNDERGROUND PVC CONDUIT FROM MDF-1 TO IDF-1 FOR TELECOMMUNICATIONS CABLING.
8. 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

TELEPHONE AND DATA EQUIPMENT SCHEDULE

ITEM	SYMBOL	DESCRIPTION	MANUFACTURER
1	MDF DATA RACK AND ACCESSORIES	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 REPONSIBLE 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 TELECOMMUNICATION VOICE/ DATA OUTLET. ROUGHED-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. '#D' 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 PLENUM RATED FOUR PAIR UTP. 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.	SYSTIMAX 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 SYSTIMAX BLANKS SYSTIMAX CONNECTORS SYSTIMAX CABLE SYSTIMAX J-HOOKS PANDUIT JP2W-L20 PANDUIT JP4W-X20 HOOK AND LOOP TAPE PANDUIT TTS-20RO
4	AP 1D	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.	SYSTIMAX 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.	SYSTIMAX FLAT PLATE PATCH PANEL
7	TGB-1	MAIN TELECOMMUNICATIONS GROUND BAR. HIGH CONDUCTIVITY COPPER AND TIN-PLATED TO INHIBIT CORROSION. 1/4" X 2" X 12" PRE-ASSEMBLED WITH BRACKETS AND INSULATORS ATTACHED. SEE DRAWINGS FOR QUANTITIES, LOCATIONS AND ADDITIONAL WORK REQUIRED.	PANDUIT GB2B0306TPI-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	S S1	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	S S2	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	S S3	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	S S4	8" 2-WAY ALL-WEATHER SPEAKER, INJECTION MOLDED, UV RESISTANT, POWDER COATED ALUMINUM GRILLS, BLACK HOUSING, 60W, 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		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		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 AN INSTALLED BY TOP TRACER SYSTEM INSTALLER.



NOTES:

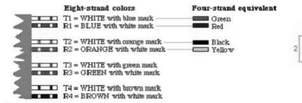
1. ALL CONDUCTORS IN THIS GROUNDING RISER SHALL BE #6 AWG COPPER CONDUCTORS (GREEN) UNLESS DISTANCE IS GREATER THAN 12 FEET.
2. GROUNDING DETAIL IS DIAGRAMMATIC, REFER TO ENLARGED PLANS FOR QUANTITIES AND LOCATION OF EQUIPMENT.

4 TELECOMMUNICATIONS ROOM GROUNDING DETAIL
SCALE: NOT TO SCALE

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



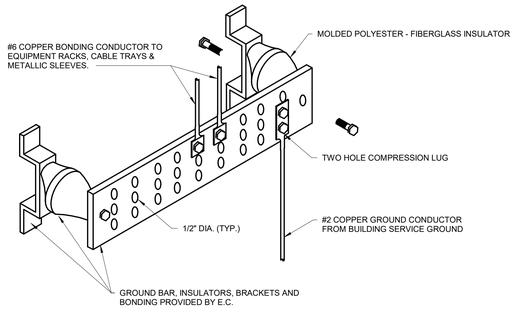
Telephone Jack RJ14 wire map

2 RJ 45 CONNECTOR DETAIL
SCALE: NOT TO SCALE

NOTE:

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

-COMMSCOPE
-PANDUIT



NOTES:

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

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

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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:
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

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	DESCRIPTION	MODEL
A		RECESSED 2'x2' SWITCHABLE LED FLAT PANEL, WHITE ALUMINUM HOUSING, SUITABLE FOR USE IN A 2x2 GRID CEILING. UNIVERSAL INPUT VOLTAGE, 4% MAXIMUM WATTS. SWITCHABLE LUMEN OUTPUT, SWITCHABLE COLOR TEMPERATURE, MINIMUM 80 CRI, 0-10V DIMMING, DIMS TO 10%. SET FIXTURE TO 3300 LUMEN OUTPUT AND 4000K COLOR TEMPERATURE WHEN INSTALLED.	LITHONIA CPX 2X2 ALO7 SWW7 M4 COLUMBIA CPX2ALS40 METALUX 24FPSL2SCT3
B		RECESSED 2'x2' LED TROFFER, WHITE STEEL HOUSING, SUITABLE FOR USE IN A 2x2 GRID CEILING. UNIVERSAL INPUT VOLTAGE, 29.8 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 2BLT2 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 T6 CADELABRA BULB, E12 BASE, BLACK FINISH, FURNISHED WITH EXTENSION RODS. COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ORDERING. BULBS: T6 CANDELABRA BULBS, 0.8W LED, 25 LUMEN, 2700K COLOR TEMPERATURE, E12 BASE. FOR ADDITIONAL FIXTURE INFORMATION SEE REFERENCED RETAILER WEBSITE AT: WWW.CRATEANDBARREL.COM	8ONA SMALL BLACK CANDELABRA CHANDELIER LAMPS: SATCO/NUVO 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 HAGN STRAIGHT MOUNTING. 120-VOLT 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 DB1817INC LAMPS: SATCO/NUVO 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/EM/LED 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/EM/LED 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 LQM S W 3 R MVOLT EL N SURE LITES APX7 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 T 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 T6 CANDELABRA BULB, E12 BASE, BLACK FINISH. COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ORDERING. BULBS: T6 CANDELABRA BULBS, 0.8W LED, 25 LUMEN, 2700K COLOR TEMPERATURE, E12 BASE. FOR ADDITIONAL FIXTURE INFORMATION SEE REFERENCED RETAILER WEBSITE AT: WWW.CRATEANDBARREL.COM	8ONA BLACK CANDELABRA WALL SCONCE LAMPS: SATCO/NUVO S9176
G		SUSPENDED PENDANT MOUNT LINEAR LED ARCHITECTURAL LUMINAIRE, BLACK ALUMINUM CANOPY/HOUSING, WHITE DIE-FORMED REFLECTOR WITH SATIN LENS, DOWNLIGHT ONLY, UNIVERSAL VOLTAGE INPUT, 7.2 WATTS PER FOOT, HIGH OUTPUT 750 LUMENS PER FOOT, 4000K COLOR TEMPERATURE, 80 CRI, 0-10V DIMMING, DIMS TO 1%. SUSPEND WITH AIRCRAFT 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 N 840HO ## AC JB 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, MINIMUM 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 ALO3 MVOLT SWW3 80CRI
K1	J	LED RGBW RIBBON/TAPE LIGHT, UNIVERSAL VOLTAGE INPUT, 4.3 WATTS PER FOOT, 219 LUMEN PER FOOT, 96W DMX DIMMABLE DRIVER, WITH TOUCHSCREEN DMX CONTROLLER, WITH NARROWN INSTALLATION CHANNEL, WET LOCATION RATED. "##" DENOTES OVERALL DESIRED LENGTH. COORDINATE EXACT LENGTHS WITH ARHCITECT PRIOR TO ORDERING. MAXIMUM LENGTH PER DRIVER IS 26'. ACCOUNT FOR ADDITIONAL DRIVERS AS REQUIRED FOR DESIRED OVERALL LENGTHS.	LED TAPE: LUMINII LLRGBW SO SL NC ### CHANNEL: KSC-## DRIVER: PSDMX 3X96 24 CONTROLLER: TSDMX-E
K2	J	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 VANITY LIGHT, STEEL HOUSING, ALUMINUM END CAPS, 120-V INPUT, 20 WATTS, 500 LUMENS PER FOOT OUTPUT, 4000K COLOR TEMPERATURE, 80 CRI, 0-10V DIMMING, DIMS TO 0.1%.	MARK ARCHITECTURAL PILLAR 7 SERIES PLLW7 LSL 4FT MSL4 80CRI 40K 500LMF SCT DARK 120 BKSG ZT SCEP
M		4" LED PENDANT CYLINDER, BLACK ALUMINUM HOUSING AND ACCENT RING, OPEN TRIM STYLE, MEDIUM DISTRIBUTION, UNIVERSAL VOLTAGE INPUT, 23.9 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.	WILLIAMS 4CBL120 8 40 BLK DIM UNV O M OS TD PM## GOTHAM EVO4PC 40/20 AR LS MD MVOLT GZ10 JBX PCAN S## DBLB LITHONIA LDN4CYL 40/20 LO4AR LSS MVOLT GZ10 PM DBL
N		6' TRACK LIGHTING SYSTEM, ALUMINUM 'I' 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-6FT-BL FIXTURE: JUNO T383L G2 40K 80CRI PDIM FL BL

LUMINAIRE SCHEDULE (CONT.)

CALLOUT	SYMBOL	DESCRIPTION	MODEL
P		6" LED PENDANT CYLINDER, BLACK ALUMINUM HOUSING AND ACCENT RING, OPEN TRIM STYLE, MEDIUM DISTRIBUTION, UNIVERSAL VOLTAGE INPUT, 23.9 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 4CBL120 8 40 BLK DIM UNV O M OS TD PM## GOTHAM EVO4PC 40/20 AR LS MD MVOLT GZ10 JBX PCAN S## DBLB LITHONIA LDN6CYL 40/30 L06AR 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 E4WH 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. AIM FIXTURES SUCH THAT CENTER OF BEAM IS APPROXIMATELY 65' ABOVE GRADE AT APPROXIMATELY 150 FEET FROM FIXTURES. COORDINATE MOUNTING REQUIREMENTS WITH ARCHIECTURAL 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 'DM19AS' MOUNTING TO BE SPECIFIED ON POLES. TWO FIXTURE POLES SHALL REQUIRE 'DM28AS' 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) nLIGHT
2) WATTSTOPPER
3) SENSORSWITCH
4)COOPER

LIGHTING CONTROL SCHEDULE

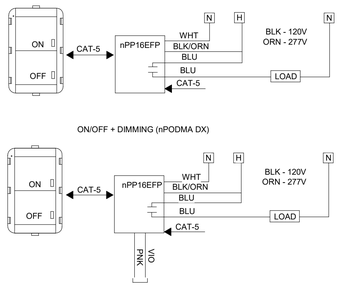
ITEM	SYMBOL	DESCRIPTION	MODEL
1	COVER PLATES	ALL COVER PLATES FOR DEVICES SHALL BE THERMOPLASTIC CONSTRUCTION IN FINISHED AREAS. ALL COVERPLATES IN THE KITCHEN AREA SHALL BE STAINLESS STEEL CONSTRUCTION. COVER PLATES IN UNFINISHED SPACES SHALL BE GALVANIZED STEEL. THE COLOR OF THE THERMOPLASTIC COVER PLATES SHALL BE BLACK UNLESS SPECIFIED OTHERWISE ON SHEET E100L AND E100P.	HUBBELL COOPER LEVITON PASS & SEYMOUR WATTSTOPPER
2	$_{LV}	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 nPODMA SERIES WATTSTOPPER
3	$_{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 nPODMA SERIES WATTSTOPPER
4	$_{D}	ARCHITECTURAL NETWORK CAPABLE LOW VOLTAGE DIMMER SWITCH, PUSH BUTTON TYPE, 0-10VDV 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 nPODMA-D SERIES WATTSTOPPER
5	$_{3D}	ARCHITECTURAL NETWORK CAPABLE LOW VOLTAGE MULTI-WAY DIMMER SWITCH, PUSH BUTTON TYPE, 0-10VDV 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 nPODMA-D SERIES WATTSTOPPER
6	$_{TS}	PROGRAMMABLE DMX LIGHTING CONTROLLER FOR RGBW DIMMING CONTROL, TOUCH SCREEN INTERFACE, BLACK FINISH, STAND-ALONE OR NETWORK CAPABLE, MULTI-ZONE CONTROL OF UP TO 340 RGBW FIXTURES.	OPTIC ARTS/LUMINII TSDMX-E WATTSTOPPER
7	$_{MS1}	NETWORK CAPABLE AUTOMATIC WALL SWITCH/OCCUPANCY SENSOR AND DIMMER. 180 DEGREE COVERAGE OF 900 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	$_{MS2}	NETWORK CAPABLE AUTOMATIC WALL SWITCH/OCCUPANCY SENSOR, 180 DEGREE COVERAGE OF 900 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	OS	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 nCM-PDT-10 WATTSTOPPER
10	PP	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	PC	NETWORK CAPABLE LOW VOLTAGE PHOTOCELL, WEATHERPROOF, MOUNT ON ROOF AND AIM FACING NORTH. SEE DRAWINGS FOR LOCATION AND ADDITIONAL WORK REQUIRED.	ACUITY nLIGHT nIO-PC-KIT WATTSTOPPER
12	LC	NETWORK CAPABLE LIGHTING CONTROL PANEL, 8-RELAY OUTPUTS, FIELD CONFIGURABLE RELAYS, UNIVERSAL VOLTAGE, WITH 7-DAY ATRONOMIC TIME CLOCK.	ACUITY nLIGHT ARP INTEC08 NLT 8FCR MVOLT SM DTC WATTSTOPPER

LUMINAIRE SCHEDULE NOTES:

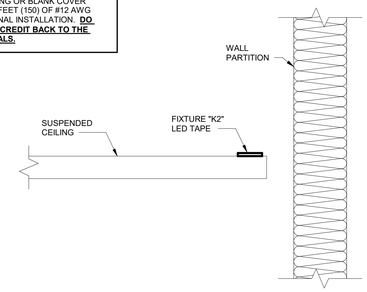
1. CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS, MECHANICAL SYSTEM PLANS, DETAILS, SECTIONS, AND ELEVATIONS FOR AID IN COORDINATION OF FIXTURE LOCATIONS AND ANY INTERFERENCES.
2. CONTRACTOR SHALL PROVIDE COPIES OF COMPLETE FIXTURE SCHEDULES, LIGHTING PLANS, AND LIGHTING SPECIFICATIONS TO ALL SUPPLIERS OR MANUFACTURERS' REPRESENTATIVES INVOLVED IN FIXTURE PRICING OR ORDERING, PRIOR TO BID.
3. FIXTURES SHALL BE PROVIDED WITH FEATURES, OPTIONS, AND ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION AND THOSE LISTED IN FIXTURE MODEL NUMBERS PROVIDED, SPECS , AND WRITTEN DESCRIPTION. IF CONFLICTS EXIST BETWEEN THESE, NOTIFY A/E FOR CLARIFICATION PRIOR TO BIDDING OR ORDERING.
4. 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.
5. ALL TEMPERATURE COLORS SHALL BE 4000K UNLESS SPECIFICALLY NOTED OTHERWISE.
6. NOTIFY A/E IMMEDIATELY OF DISCREPANCIES AND MAKE NECESSARY CORRECTIONS PRIOR TO BIDDING.
7. ALL LUMINAIRES SHALL BE CEE CERTIFIED.
8. LAY-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.
9. SUPPORT CLIPS SHALL FASTEN TO THE LIGHTING FIXTURES AND TO THE CEILING GRID MEMBERS AT OR NEAR EACH FIXTURE CORNER WITH CLIPS THAT ARE UL LISTED FOR THE APPLICATION.
10. 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:

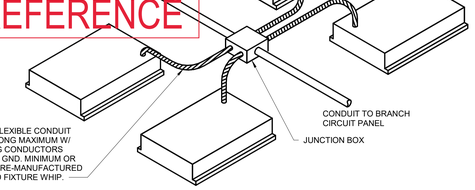
1. THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN THEIR BID AN ALLOWANCE FOR THE ADDITION OF FIVE TYPE E1 EXIT LUMINAIRES, FIVE TYPE E2 EXIT LUMINAIRES, FIVE TYPE E3 EXIT LUMINAIRES AND FIVE TYPE EM LUMINAIRES. THE LUMINAIRES SHALL BE FIELD LOCATED BY THE OWNER'S REPRESENTATIVE DURING CONSTRUCTION OR THE CITY INSPECTOR DURING THE BLACK-OUT 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.**



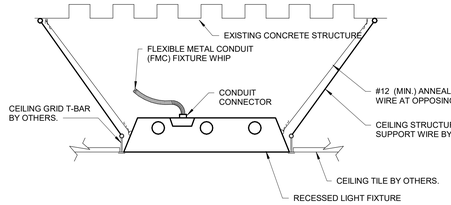
1 TYPICAL NETWORKED LIGHTING CONTROLS
SCALE: NOT TO SCALE



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



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



NOTE:

1. CONTRACTOR SHALL PROVIDE SUPPORTS AT FOUR OPPOSITE CORNERS OF THE FIXTURE (MINIMUM), IN ADDITION TO SUPPORT PROVIDED BY CEILING GRID. FIXTURE SHALL NOT BE SUPPORTED BY CEILING GRID MATERIALS ONLY.

4 RECESSED TROFFER MOUNTING DETAIL
SCALE: NOT TO SCALE

LIGHTING CONTROL SYSTEM - SEQUENCE OF OPERATION

1. 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.
2. INCLUDE TIME IN BID PROPOSAL FOR TWO RETURN TRIPS TO THE FACILITY AFTER THE SYSTEM HAS BEEN IN USE TO MAKE ADJUSTMENTS TO PROGRAMMING.
3. 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.
4. ALL LIGHTING CONTROLS SHALL BE MANUAL ON, AUTOMATIC OFF.
5. 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.
6. CORRIDORS AND COMMON PUBLIC SPACES SHALL BE CONTROLLED AY A COMBINATION OF MANUAL LOW-VOLTAGE SWITCHES AND SCHEDULING THROUGH THE TIME-CLOCK.
7. MISCELLANEOUS SMALLER ROOMS SHALL BE CONTROLLED BY LOCAL WALL MOUNTED OCCUPANCY SENSOR/SWITCH/DIMMERS OR CEILING OCCUPANCY SENSORS AS NOTED ON THE PLANS.
8. 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.

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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:
1	ADD #1	04/16/24
2	ADD #3	04/22/24
4	ADD #5	04/30/24

SHEET TITLE:

LIGHTING AND CONTROLS SCHEDULE AND DETAILS

SHEET NUMBER:

E4.2

4/30/2024 2:33:57 PM