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SEAL:

PROJECT No:77550
11 November, 2019

STRUCTURAL:
DAVID MASON + ASSOCIATES
464 N Milwaukee Avenue
Chicago, IL 60654

HEATING, VENTILATION,
PLUMBING & FIRE PROTECTION:
BRIC PARTNERSHIP, LLC
100 E Washington Street
Suite 220
Belleville, IL 62220

FOOD & LAUNDRY SERVICE:
FOOD FACILITIES CONCEPTS, INC
110 Washington Avenue
Suite 302
Carnegie, PA 15106

ELECTRICAL:
WEBB ENGINEERING SERVICES INC
1400 S 3rd Street
Suite 201
St Louis, MO 63104

ISSUE DATENO.

ISSUED FOR

LANDSCAPE:
HITCHCOCK DESIGN GROUP
22 E Chicago Avenue
Suite 200A
Naperville, IL 60540

GEOTECH & ENVIRONMENT:
GSG CONSULTANTS, INC
2942 W VanBuren
Chicago, IL 60612

TECH, DATA, & SECURITY:
SHEN MILSOM & WILKE
2 N Riverside Plaza
Suite 1460
Chicago, IL 60606

HISTORIC PRESERVATION:
HPZS
213 W Institute Place
Suite 502
Chicago, IL 60610

REMEDITATION DESIGN:
TROPICAL ENVIRONMENT, INC
1350 Chase Street
Algonquin, IL 60102

JB PRITZKER, GOVERNOR
Illinois Capital Development Board
T. +1 312 755 1200
F. +1 312 755 1155

NEW NURSING HOME & DOMICILIARY
1707 NORTH 12 STREET
QUINCY, ADAMS COUNTY, ILLINOIS 62301

ILlINOIS VETERANS' HOME QUINCY

VOLUME 1 OF 4

UTILITY CORRIDOR PLAN

NEW NURSING HOME & DOMICILIARY
QUINCY, ADAMS COUNTY, ILLINOIS 62301

VOLUME:

UTILITY CORRIDOR PLAN

SHEET TITLE: KEY PLAN:
CIVIL / SITE:
DAVID MASON + ASSOCIATES
464 N Milwaukee Avenue
Chicago, IL 60654

SHEET NO.
040-010-115

HISTORIC PRESERVATION:
HPZS
213 W Institute Place
Suite 502
Chicago, IL 60610

REMEDITATION DESIGN:
TROPICAL ENVIRONMENT, INC
1350 Chase Street
Algonquin, IL 60102
EXISTING STEAM DISTRIBUTION SYSTEM SCHEMATIC

1. REFER TO CIVIL SITE SERIES DRAWINGS FOR EXTENT
EXISTING DIRECT BURIED STEAM AND CONDENSATE PIPING TO
DEMOLISHED.
EXISTING TUNNEL AND STEAM AND CONDENSATE PIPING TO BE
EXISTING DIRECT BURIED PIPING TO BE REPLACED.
AT AROUND NORTHERN GUEST HOUSE, 90 PSIG HPS CROSSES
IN CENTER TUNNEL, LOOKING SOUTHEAST AT 90 PSIG HPS AND
PIPE. REFER TO PHOTO WITH SAME TITLE.
IN CENTER TUNNEL, LOOKING SOUTH AT END OF 90 PSIG HPS
IN NORTH TUNNEL LOOKING SOUTH BEFORE CONNECTION TO
HOUSE. REFER TO PHOTO WITH SIMILAR TITLE.
REFER TO PHOTO TITLED "IN NORTH TUNNEL, LOOKING
TURN INTO ABSORPTION CHILLER PLANT AT MULTI
DOES NOT CONTINUE PAST THIS POINT. REFER PHOTO "IN
SOUTHEAST.
LOOKING NORTHEAST".
AND "IMMEDIATELY AFTER ENTRANCE OF NORTH TUNNEL,
GARAGE HAS GAS FIRED RADIANT HEAT.
LOOKING TOWARDS CENTER TUNNEL" AND "STANDING IN
STANDING IN BRANCH TUNNEL TO FLETCHER/LIPPINCOTT,
TUNNEL. REFER PHOTO "STEAM SERVICE IN TUNNEL TO
LPS (7PSI) CONTINUE ON.
250 PSI FEEDS EHLE LAUNDRY ONLY. LPS (7PSI) AND HPS (90
SOUTH TUNNEL, STANDING IN CENTER TUNNEL, LOOKING
HPS TO NIELSEN VIA CENTER TUNNEL. REFER PHOTO "AT
INTO HPS IN SOUTH TUNNEL AND TEES AT SMITH PROVIDING
125 PSIG (HPS) DROPS OFF AT MULTI
OFFS AT LOOPED EXPANSION JOINT,
TEER TO PHOTO "IN NORTH TUNNEL, LOOKING SOUTHEAST."
THERAPY TO FEED
VOLUME: 03 OF 4
VOLUME 03 OF 4
Sheet No: 4 of 4
Sheet No: 4 of 4
Drawing no. 11/11/19
Drawing no. 11/11/19

3311
SM101
3311
SM101

JB PRITZKER, GOVERNOR
Illinois Capital Development Board

EXISTING STEAM DISTRIBUTION SYSTEM SCHEMATIC
NEW NURSING HOME & DOMICILIARY
ILLINOIS VETERANS’ HOME QUINCY
QUINCY, ADAMS COUNTY, ILLINOIS 62301

1707 NORTH 12 STREET

NEW NURSING HOME & DOMICILIARY
ILLINOIS VETERANS’ HOME QUINCY
QUINCY, ADAMS COUNTY, ILLINOIS 62301

1707 NORTH 12 STREET

NEW NURSING HOME & DOMICILIARY
ILLINOIS VETERANS’ HOME QUINCY
QUINCY, ADAMS COUNTY, ILLINOIS 62301

1707 NORTH 12 STREET
GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE AND LOCAL AMEREN STANDARD PRACTICE.

2. DBE TO PROVIDE UNDERGROUND PVC SCH 40. DBE TO PROVIDE RGS HEAVY WALL CONDUITS FOR ALL HOME RUNS TO A FUNCTIONAL DISTRIBUTION PANEL.

3. DBE TO PROVIDE SITE LIGHTING CONTROLS IN NEARBY BUILDINGS ELECTRICAL ROOM. NEW SITE LIGHTING PANELS ARE TO BE PROVIDED IN NEARBY BUILDINGS ELECTRICAL ROOM. NEW SITE LIGHTING PANELS ARE TO BE PROVIDED IN NEARBY BUILDINGS ELECTRICAL ROOM.

4. DBE TO PROVIDE LIGHTING POLES CERTIFIED BY POLE MANUFACTURERS. POLES SHALL ALSO BE PASSED BY DBE STRUCTURAL ENGINEERS AND CIVIL ENGINEERS. POLES SHALL BE CAPABLE OF WITHSTANDING LOCAL STORM CONDITIONS AND SAFETY FACTORS OF 1.35.

5. DBE SHALL COORDINATE WITH AMEREN FOR THE MANUAL TRANSFER SWITCH INSTALLATION. MTC WILL BE OWNED, OPERATED AND MAINTAINED BY THE OWNER.

6. DBE TO FIELD VERIFY AND COORDINATE WITH CIVIL FOR LOCATION, LAYOUT AND EXACT DEPTH OF DUCT SYSTEM AND SWITCHES. DBE TO FIELD VERIFY AND COORDINATE WITH CIVIL FOR LOCATION, LAYOUT AND EXACT DEPTH OF DUCT SYSTEM AND SWITCHES. DBE TO FIELD VERIFY AND COORDINATE WITH CIVIL FOR LOCATION, LAYOUT AND EXACT DEPTH OF DUCT SYSTEM AND SWITCHES.

7. DBE RESPONSIBILITY TO CREATE SAFE ZONES WITH THE APPROPRIATE SAFETY MACHINERY TO CREATE SAFE ZONES WITH THE APPROPRIATE SAFETY MACHINERY.

8. DBE TO PROVIDE DUCT BANK SYSTEM FROM SWITCHES TO TRANSFORMER PRIMARY. DBE SHALL BE RESPONSIBLE FOR THE COMPLETE MV VOLTAGE DISTRIBUTION SYSTEM. DBE SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND SERVICES.

9. DBE SHALL PROVIDE DUCT BANK SYSTEM FOR MV AND LV CONDUCTORS AND COMMUNICATION CABLES. THERE SHALL BE 2 SCHD 40 CONDUITS ENTERING AND LEAVING THE BUILDINGS WITH WATER TIGHT SEALANT.

10. DBE TO PROVIDE SITE LIGHTING CONTROLS IN NEARBY BUILDINGS ELECTRICAL ROOM. NEW SITE LIGHTING PANELS ARE TO BE PROVIDED IN NEARBY BUILDINGS ELECTRICAL ROOM. NEW SITE LIGHTING PANELS ARE TO BE PROVIDED IN NEARBY BUILDINGS ELECTRICAL ROOM.

11. DBE TO PROVIDE DUCT BANK SYSTEM FOR MV AND LV CONDUCTORS AND COMMUNICATION CABLES. THERE SHALL BE 2 SCHD 40 CONDUITS ENTERING AND LEAVING THE BUILDINGS WITH WATER TIGHT SEALANT.

12. DBE TO PROVIDE MANHOLES AS PER THE STANDARD DESIGN AND FINAL DUCT LAYOUT. THE SIDE WALL PRESSURE ON DUCTS SHALL BE RGS HEAVY WALL. ALL CONDUITS SHALL BE INSTALLED 24 INCHES BELOW GRADE. DBE TO PROVIDE DETECTABLE WARNING TAPE WITH METAL DETECTABLE POLYESTER, 12 INCHES ABOVE CONDUITS INSTALLATION. DBE TO VERIFY EXISTING CONDUCTORS AND CONNECTIONS TO NEW SWITCHGEAR IN EACH BUILDING. SEE SHEET S-E101 FOR EXISTING LIGHT POLES.

13. DBE TO PROVIDE DUCT BANK SYSTEM FROM SWITCHES TO TRANSFORMER PRIMARY. DBE SHALL BE RESPONSIBLE FOR THE COMPLETE MV VOLTAGE DISTRIBUTION SYSTEM. DBE SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND SERVICES.

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16. DBE TO PROVIDE DUCT BANK SYSTEM FOR MV AND LV CONDUCTORS AND COMMUNICATION CABLES. THERE SHALL BE 2 SCHD 40 CONDUITS ENTERING AND LEAVING THE BUILDINGS WITH WATER TIGHT SEALANT.

17. OWNER HAS THE FIRST RIGHT ON ALL THE DEMOLISHED EQUIPMENT. IN CASE OWNER REFUSED OWNERSHIP OF EQUIPMENTS THEN IT SHALL BE DBE RESPONSIBILITY TO REMOVE FROM THE PROPERTY AND SHALL BE DISPOSED AS PER DOMICILIARY.

18. DBE TO PROVIDE DUCT BANK SYSTEM FOR MV AND LV CONDUCTORS AND COMMUNICATION CABLES. THERE SHALL BE 2 SCHD 40 CONDUITS ENTERING AND LEAVING THE BUILDINGS WITH WATER TIGHT SEALANT.

19. DBE TO PROVIDE DUCT BANK SYSTEM FOR MV AND LV CONDUCTORS AND COMMUNICATION CABLES. THERE SHALL BE 2 SCHD 40 CONDUITS ENTERING AND LEAVING THE BUILDINGS WITH WATER TIGHT SEALANT.

20. DBE TO PROVIDE DUCT BANK SYSTEM FOR MV AND LV CONDUCTORS AND COMMUNICATION CABLES. THERE SHALL BE 2 SCHD 40 CONDUITS ENTERING AND LEAVING THE BUILDINGS WITH WATER TIGHT SEALANT.

GENERAL NOTES - SITE LIGHTING

1. ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE AND LOCAL AMEREN STANDARD PRACTICE.

2. DBE TO PROVIDE LIGHTING POLES CERTIFIED BY POLE MANUFACTURERS. POLES SHALL ALSO BE PASSED BY DBE STRUCTURAL ENGINEERS AND CIVIL ENGINEERS. POLES SHALL BE CAPABLE OF WITHSTANDING LOCAL STORM CONDITIONS AND SAFETY FACTORS OF 1.35.

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1. Coordinate wall box locations and dimensions with architectural and electrical plans.

2. Provide labels for all termination blocks, patch panels, and workstations.

3. Coordinate with electrical drawings for location of all telecommunications outlets.

4. Indicate the quantity of horizontal copper cables to be categorized in the project.

5. Label each cable with a color code.

6. Label each equipment rack, data center, panel, or patch panel.

7. Label each cabinet with a label indicating the type of equipment inside.

8. Provide labels for cabinets and patch panels.

9. Indicate the type of cable to be used for data transmission.

10. Provide and leave in place a pull string in each conduit.

11. Refer to distribution plans for requirements for junction box and conduits to support pathway components.

12. Provide hangers, anchors, mounting hardware, ground lugs and straps as required to ensure proper installation of pathway components.

13. Install all cables and associated materials to support pathway components.

14. Refer to 27 05 28.36 for the location of all telecommunications outlets.

15. Coordinate with electrical drawings for location of all telecommunications outlets.

16. Refer to drawing list 27 05 28.33 for the location of all telecommunications outlets.

17. Refer to drawing list 27 05 28.37 for the location of all telecommunications outlets.

18. Refer to drawing list 27 05 28.38 for the location of all telecommunications outlets.

19. Refer to drawing list 27 05 28.39 for the location of all telecommunications outlets.

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99. Refer to drawing list 27 05 28.119 for the location of all telecommunications outlets.

100. Refer to drawing list 27 05 28.120 for the location of all telecommunications outlets.
**DRAWING LIST:**

**ABBREVIATIONS:**

- A: Accessories
- AM: Amplifier
- ATC: Access Control
- C: Camera
- CLG: Ceiling
- CAT: Catalog
- CH: Chimes
- CL: Circuit Breaker
- D: Door
- DRV: Digital Video Recorder
- E: Elevator
- GR: Generator
- GW: Gate
- H: Heating
- K: Keyboard
- L: Lighting
- LP: Lock
- ML: Mains
- M: Muntins
- N: Nurse Call
- P: Panel
- P: Power
- PR: Personal
- RC: Receiver
- R: Refrigeration
- RP: Relay
- S: Security
- SF: Switch
- S: Switches
- T: Telephone
- TH: Thermostat
- TL: Transformer
- TR: Transmitter
- V: Ventilation
- W: Water
- X: X-ray

**SECURITY ELECTRICAL NOTES:**

1. Secure all wiring and equipment to be tamper-resistant. All wiring runs shall be covered with sheet metal or other approved material.
2. Secure all wiring and equipment to be weather-resistant. All equipment enclosures shall be rated for outdoor use.
3. Secure all wiring and equipment to be corrosion-resistant. All equipment enclosures shall be made of corrosion-resistant material.
4. Secure all wiring and equipment to be fire-resistant. All equipment enclosures shall be made of fire-resistant material.

**SYMBOLS:**

- D: Door
- L: Light
- T: Transformer

**GENERAL NOTES:**

1. Drawings are not to be used for architectural or engineering purposes. The security equipment shown may only be used for security system installation and coordination.
2. All security equipment shall be installed to the requirements outlined in this specification. All security equipment shall be installed to the requirements outlined in this specification.
3. All security equipment shall be installed to the requirements outlined in this specification. All security equipment shall be installed to the requirements outlined in this specification.
4. All security equipment shall be installed to the requirements outlined in this specification. All security equipment shall be installed to the requirements outlined in this specification.

**SECURITY CONDUIT AND WIRING NOTES:**

1. All conduit and wiring shall be covered with standard electrical materials.
2. All conduit and wiring shall be covered with standard electrical materials.
3. All conduit and wiring shall be covered with standard electrical materials.
4. All conduit and wiring shall be covered with standard electrical materials.

**RESPONSIBILITY MATRIX**

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<th>Specification Division</th>
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<tr>
<td>A. Security System Design</td>
<td>B. Security System Installation</td>
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<tr>
<td>C. Security System Testing</td>
<td>D. Security System Commissioning</td>
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**EQUIPMENT SYMBOL & TAG DEFINITIONS:**

1. Device | Level | Device Type | Detail Number

**SECURITY DEVICE NOTES:**

1. All devices, wiring, termination and other required items not designated "by owner" shall be provided by the security contractor.
2. All devices, wiring, termination and other required items not designated "by owner" shall be provided by the security contractor.
3. All devices, wiring, termination and other required items not designated "by owner" shall be provided by the security contractor.
4. All devices, wiring, termination and other required items not designated "by owner" shall be provided by the security contractor.