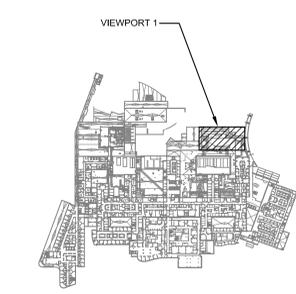


- CODED NOTES:**
- ① EXISTING MRI CHILLER TO BE REMOVED. REMOVE ALL ASSOCIATED CURBS, PIPING, PUMPS, CONTROLS, CONDUITS, ETC. COMPLETELY. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 - ② REMOVE EXISTING CHILLED WATER PIPING ON ROOF COMPLETELY. REMOVE PIPING TO FIRST FLOOR. REMOVE ALL ASSOCIATED PIPE CURBS, ETC. REFER TO FIRST FLOOR PLAN FOR CONTINUATION. PATCH ROOF COMPLETELY TO MATCH EXISTING.
 - ③ EXISTING CONDENSING UNIT TO REMAIN. DURING CHILLED WATER SHUTDOWN, ASSOCIATED AC UNIT SHALL OPERATE ON SECONDARY CONDENSING UNIT SYSTEM. COORDINATE WITH VA COR.

- GENERAL NOTES:**
- A. CONTRACTOR SHALL SCHEDULE SHUTDOWN AND REMOVAL OF CHILLER WITH VA COR AND RADIOLOGY PERSONNEL. PRIOR TO SHUTDOWN OF EQUIPMENT, MRI EQUIPMENT SHALL BE PLACED INTO EMERGENCY DOMESTIC WATER BACK-UP OPERATION.
 - B. PRIOR TO SHUTDOWN OF EQUIPMENT, CONTRACTOR SHALL HAVE NEW PROCESS CHILLED WATER SUPPLY/RETURN LINES ROUTED TO POINT OF CONNECTION. PIPING SHALL BE PREPARED (FLUSHED/CLEANED/TESTED) FOR CONNECTION TO MRI EQUIPMENT PRIOR TO CHILLER SHUTDOWN.
 - C. PATCH ROOF OPENINGS TO MATCH EXISTING. CONTRACTOR SHALL MAINTAIN ROOF WARRANTY.



SECOND FLOOR KEY PLAN
NOT TO SCALE

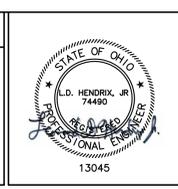
PARTIAL SECOND FLOOR/ROOF MECHANICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"
0' 4' 8' 16' 32'

FOR CONSTRUCTION

FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:



ARCHITECT/ENGINEER:

FREDRICK, FREDRICK & HELLER ENGINEERS, INC.
672 EAST ROYALTON ROAD
BROADVIEW HTS., OHIO 44147
TEL: (440) 546-8888
FAX: (440) 546-8899

Drawing Title
PARTIAL SECOND FLOOR/ROOF MECHANICAL DEMOLITION PLAN

Approved: Project Director

Project Title
PROVIDE PROCESS LOOP TIE-INS

Location
VAMC - WADE PARK

Date
04-03-15

Checked
LDH

Drawn
LDH

Project Number
541-15-203

Building Number
1

Drawing Number
1-M9

Dwg. of



DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER - WADE PARK

10701 EAST BLVD. CLEVELAND, OH. 44106

Provide Process Loop Tie-Ins

PROJECT NO. 541-15-203

Veterans Administration Medical Center

Final Construction Documents
April 03, 2015



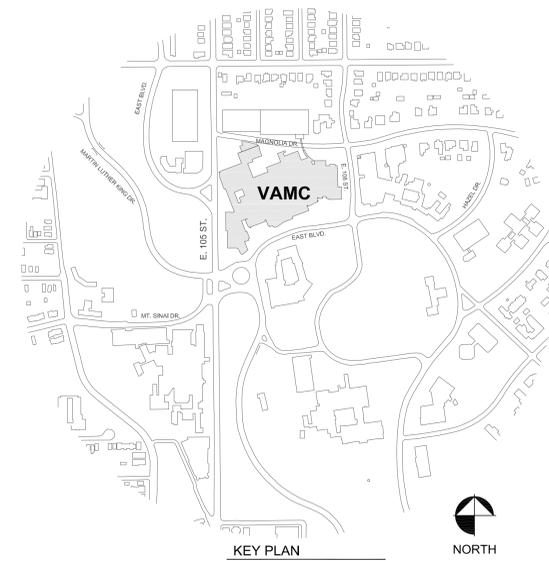
CODE INFORMATION:

DESIGN CODES:
2012 Life Safety Code, 2012 IBC
OCCUPANCY USE GROUP:
Health Care, I-2
FIRE SUPPRESSION: Fully Sprinklered
TRAVEL DISTANCES: (LSC 18.2.6)
Room Remote Point to Exit: 200'
Exit Access door to Exit: 150'
TYPE OF CONSTRUCTION: (LSC A.8.2.1.2)
Type 1 - 332
STRUCTURAL COLUMNS: (LSC A.8.2.1.2)
3 Hours - Supporting more than 1 floor
2 Hours - Supporting one floor only
2 Hours - Supporting roof only
FLOOR - CEILING ASSEMBLIES: (LSC A.8.2.1.2)
2 Hours
ROOF - CEILING ASSEMBLIES: (LSC A.8.2.1.2)
1 1/2 Hours
EXTERIOR BEARING WALLS: (LSC A.8.2.1.2)
3 Hours
INTERIOR BEARING WALLS: (LSC A.8.2.1.2)
3 Hours
INTERIOR NONBEARING WALLS: (LSC A.8.2.1.2)
0 Hour
EXIT ENCLOSURES (LSC 7.1.3.2.1)
Existing: 1 Hour
SHAFT ENCLOSURES (LSC 8.6.5)
4 Stories or more: 2 Hours
Less than 4 stories: 1 Hour
SMOKE BARRIERS: (LSC 18.3.7.4)
1 Hour
EXIT ACCESS CORRIDORS: (LSC 8.3.6.2.2)
0 Hour, Smoke Partitions
SUITE WALLS: (18.2.5.6.1.2)
0 Hour, Smoke Partitions
HAZARDOUS AREA PROTECTION (LSC 18.3.2.1)
Storage rooms larger than 100 sf: 1 Hour

DRAWING INDEX

- 1-X0 COVER SHEET
- 1-M1 SYMBOLS, NOTES, AND SCHEDULES
- 1-M2 PROCESS CHILLED WATER TIE-INS KEY PLANS
- 1-M3 PROCESS CHILLED WATER FLOW DIAGRAM
- 1-M4 MECHANICAL DETAILS
- 1-M5 TEMPERATURE CONTROLS
- 1-M6A PARTIAL SUB-BASEMENT PIPING PLAN - SE AREA
- 1-M6B PARTIAL SUB-BASEMENT PIPING PLAN - NE AREA
- 1-M7A PARTIAL BASEMENT PROCESS CHILLED WATER PIPING PLAN
- 1-M7B PARTIAL BASEMENT PROCESS CHILLED WATER PIPING PLAN
- 1-M7C PARTIAL BASEMENT PROCESS CHILLED WATER PIPING PLANS
- 1-M7D ENLARGED MECHANICAL ROOM CHILLED WATER PIPING PLANS
- 1-M8 PARTIAL FIRST FLOOR PROCESS CHILLED WATER PIPING PLANS
- 1-M9 PARTIAL SECOND FLOOR/ROOF MECHANICAL DEMOLITION PLAN
- 1-M10 PARTIAL THIRD FLOOR/ROOF MECHANICAL DEMOLITION PLAN
- 1-E1 ELECTRICAL LEGEND AND DETAILS
- 1-E2 PARTIAL BASEMENT POWER PLANS
- 1-E3 PARTIAL FIRST FLOOR POWER PLANS
- 1-E4 PARTIAL SECOND FLOOR ROOF POWER PLANS
- 1-E5 PARTIAL THIRD FLOOR ROOF POWER PLANS

Fredrick, Fredrick & Heller Engineers, Inc.
Mechanical & Electrical Engineer 672 East Royalton Road, Broadview Heights, Ohio 44147



KEY PLAN
NTS
FF&H Job No.: 13045

FULLY SPRINKLERED

<p>APPROVALS DATE</p> <p>DIRECTOR 00</p> <p>ASSOCIATE DIRECTOR 00A (B)</p> <p>CHEF, ENGINEERING 138</p>		<p>APPROVALS DATE</p> <p>CHEF Planning and Construction</p> <p>CHEF, Occupational Health & Safety</p> <p>CHEF, IRM</p>		<p>APPROVALS DATE</p> <p>FACILITY MANAGER</p> <p>SHOP FOREMAN 138</p>		<p>Drawing Title COVER SHEET</p> <p>Approved: Division Chief</p> <p>Approved: Service Director</p>		<p>Project Title PROVIDE PROCESS LOOP TIE-INS</p> <p>Building Number 1</p> <p>Location 10701 EAST BLVD. CLEVELAND, OHIO</p>		<p>Date 04-03-15</p> <p>Project No. 541-15-203</p> <p>Checked LDH</p> <p>Drawn LDH</p>		<p>DRAWING NO. 1-X0</p> <p>Dwg. Of</p>		<p>Office of Facilities Management</p> <p>Department of Veterans Affairs</p>	
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