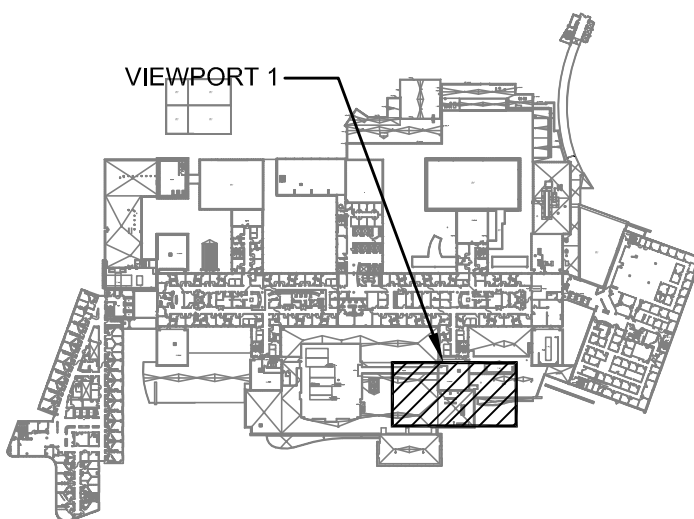




- CODED NOTES:**
- 1 EXISTING FILTRINE LINEAR ACCELERATOR CHILLER TO BE REMOVED. REMOVE CURBS, PIPING, PUMPS, CONTROLS, CONDUITS, POWER, ETC. COMPLETELY.
 - 2 EXISTING MOTVAIR LINEAR ACCELERATOR CHILLER TO BE REMOVED. REMOVE CURBS, PIPING, PUMPS, CONTROLS, CONDUITS, POWER, ETC. COMPLETELY.
 - 3 REMOVE EXISTING CHILLED WATER PIPING ON ROOF COMPLETELY. REMOVE PIPING TO FLOOR BELOW. REMOVE ALL ASSOCIATED PIPE CURBS, ETC. REFER TO FIRST FLOOR PLAN FOR CONTINUATION. PATCH ROOF AS REQUIRED.
 - 4 REMOVE EXISTING CHILLED WATER PIPING ON ROOF COMPLETELY. REMOVE PIPING WITHIN AREA WELL COMPLETELY. REMOVE ALL ASSOCIATED PIPE CURBS, ETC. PATCH ROOF AS REQUIRED.

- GENERAL NOTES:**
- A. CONTRACTOR SHALL SCHEDULE SHUTDOWN AND REMOVAL OF CHILLER WITH VA COR AND RADIATION THERAPY PERSONNEL. PRIOR TO SHUTDOWN OF EQUIPMENT, LINEAR ACCELERATOR 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 LINEAR ACCELERATOR PIPE CABINET EQUIPMENT PRIOR TO CHILLER SHUTDOWN.
 - C. PATCH ROOF OPENINGS TO MATCH EXISTING. CONTRACTOR SHALL MAINTAIN ROOF WARRANTY.



FOR CONSTRUCTION

FULLY SPRINKLERED

Final Construction Documents		04-03-15	CONSULTANTS:		ARCHITECT/ENGINEER:	 <p>FREDRICK, FREDRICK & HELLER ENGINEERS, INC. 872 EAST ROYALTON ROAD BROADVIEW HTS., OHIO 44147 TEL: (440) 546-8888 FAX: (440) 546-8899</p>	Drawing Title		Project Title		Project Number		Office of Facilities Management
							PARTIAL THIRD FLOOR/ROOF MECHANICAL DEMOLITION PLAN		PROVIDE PROCESS LOOP TIE-INS		541-15-203		
											Building Number		
											1		
											Drawing Number		
											1-M10		
											Dwg. of		
Revisions:		Date			Approved: Project Director								

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



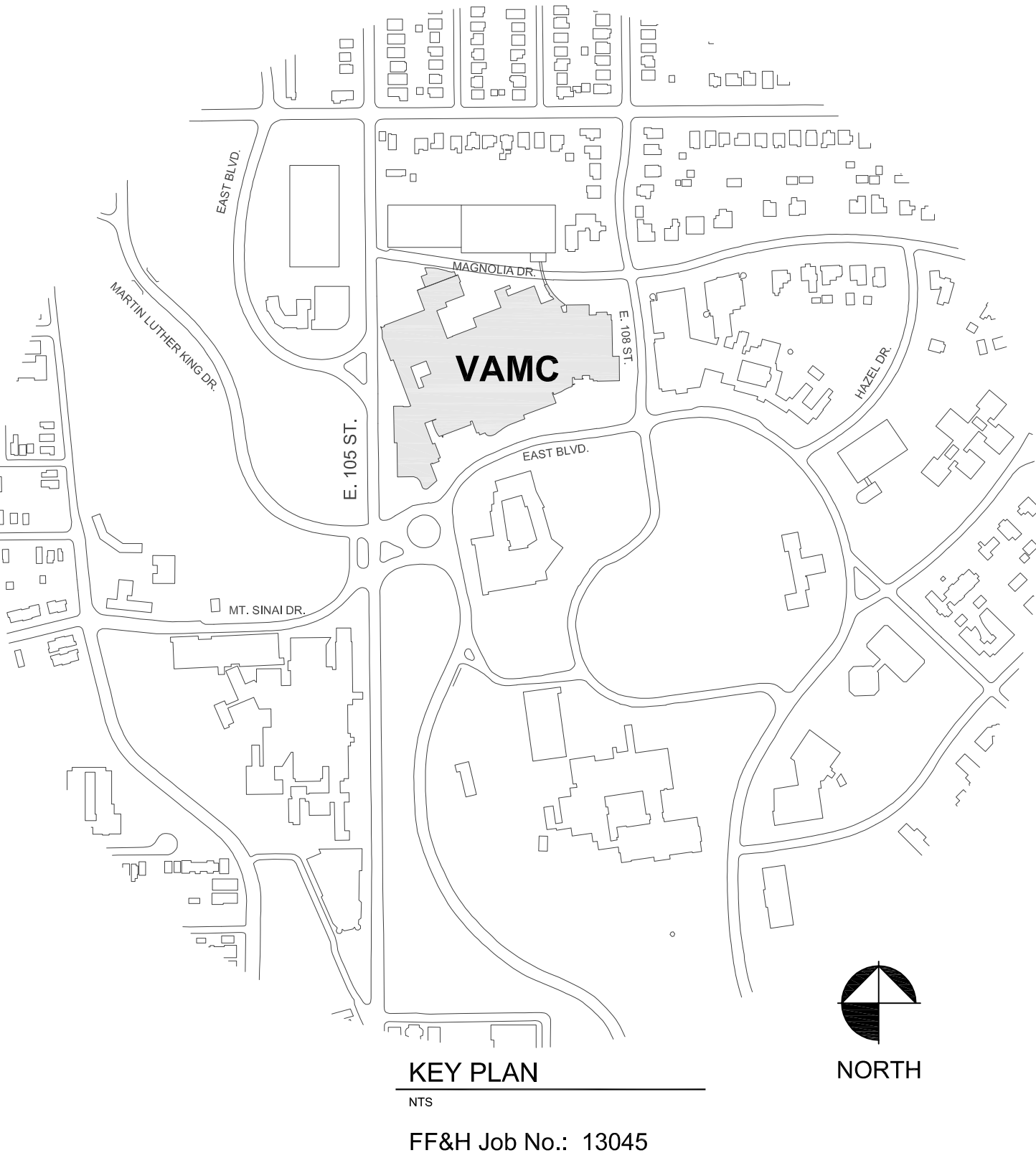
CODE INFORMATION:

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

Final Construction Documents
April 03, 2015



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

FULLY SPRINKLERED

Revisions	APPROVALS		DATE		APPROVALS		DATE		APPROVALS		DATE		Drawing Title COVER SHEET		Project Title PROVIDE PROCESS LOOP TIE-INS		Date 04-03-15		Office of Facilities Management Department of Veterans Affairs	
	DIRECTOR 00				FACILITY MANAGER				Approved: Division Chief				Building Number 1		Checked LDH		Drawn LDH			
	ASSOCIATE DIRECTOR 00A (B)				SHOP FOREMAN 138				Approved: Service Director				Location 10701 EAST BLVD. CLEVELAND, OHIO		Dwg. Of		DRAWING NO. 1-X0			
	CHIEF, ENGINEERING 138																			