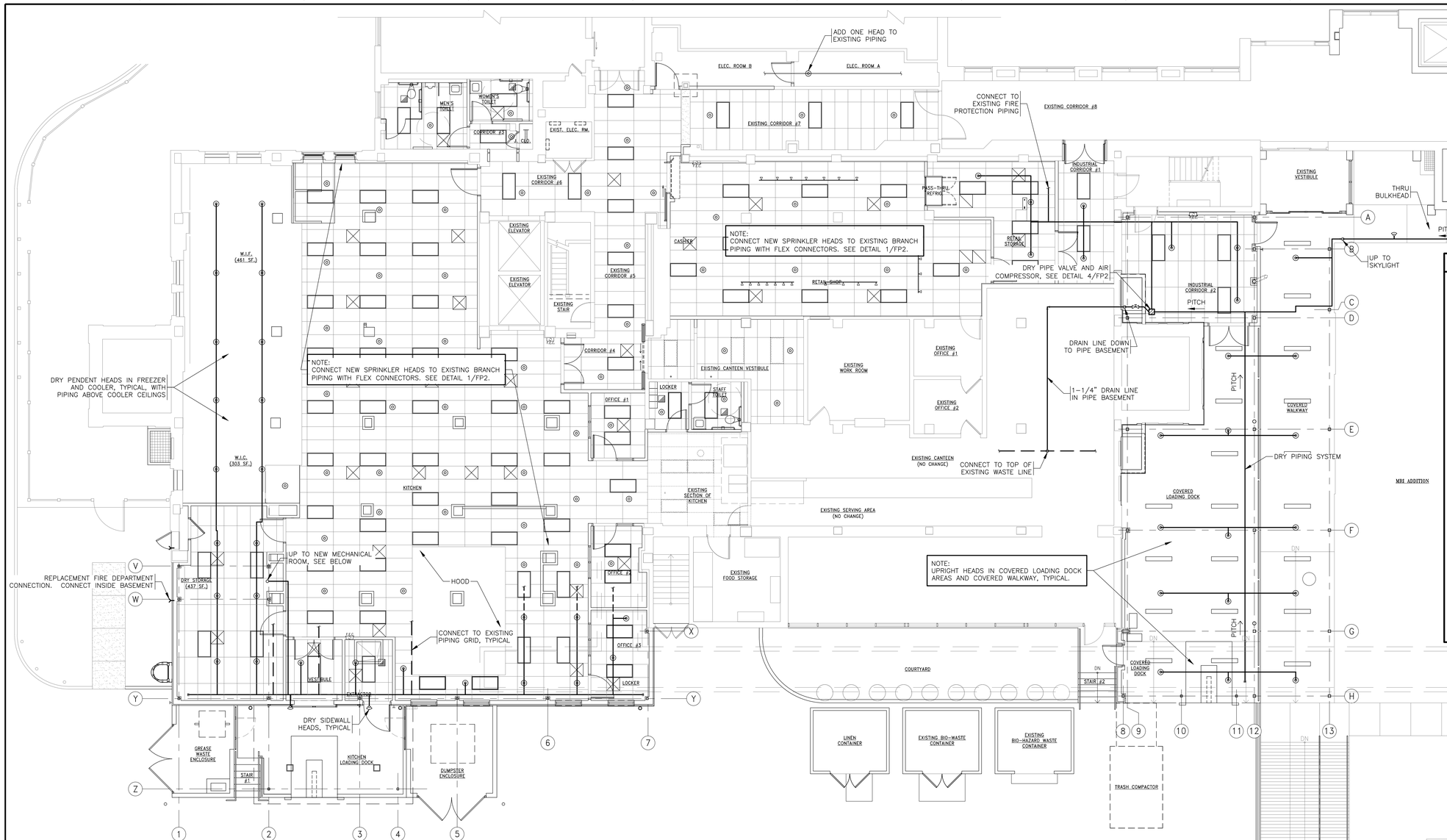

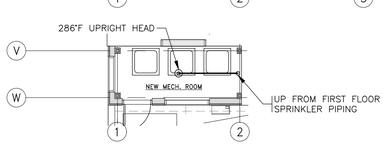

PARTIAL UPPER LEVEL PLAN

SCALE: 1/8"=1'-0"

GROUND FLOOR FIRE PROTECTION PLAN

SCALE: 1/8"=1'-0"

GENERAL SPRINKLER NOTES

1. ALL DRAWINGS ARE "PRELIMINARY" (AS DEFINED BY NFPA 13), DIAGRAMMATIC AND ARE NOT TO BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
2. THE CONTRACTOR SHALL COORDINATE WITH ALL STATE AND LOCAL BUILDING REGULATION AGENCIES AND UTILITY COMPANY(S) IN THE PROCUREMENT OF AND PAYMENT OF ALL PERMITS, LICENSES, FEES AND CHARGES REQUIRED FOR THE PERFORMANCE OF THE WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL FEES AND DIRECT EXPENSES INVOLVED IN ANY INSPECTION REQUIRED FOR THE PROJECT.
4. SEE SPECIFICATION SECTION "CONTRACT CLOSE-OUT AND COMMISSIONING" FOR WORK REQUIRED TO COMPLETE THIS PROJECT.
5. SEE SPECIFICATIONS FOR REQUIREMENTS FOR PIPING, SPRINKLER HEADS, BACKFLOW PREVENTION, SUBMITTALS, ETC.
6. SEE SPECIFICATIONS AND PLAN NOTES FOR HAZARD CLASSIFICATIONS. ALL PIPING SHALL BE SIZED BY HYDRAULIC CALCULATIONS.
7. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 13 AND APPLICABLE BUILDING CODE REQUIREMENTS FOR SPRINKLERS.
8. COORDINATE ALL HEAD AND PIPE LOCATIONS WITH THE WORK OF OTHER TRADES. VERIFY ALL CEILING CONDITIONS. COORDINATION DOES NOT MEAN "I WAS HERE FIRST".
9. THE CONTRACTOR SHALL INSTALL A COMPLETE AND OPERABLE SYSTEM TO PROTECT THE BUILDING AS INDICATED, WHETHER OR NOT EVERY ELEMENT REQUIRED IS SPECIFICALLY CALLED OUT.
10. CONTRACTOR SHALL SUBMIT SPRINKLER SYSTEM DRAWINGS IDENTIFIED AS "WORKING PLANS". PREPARED ACCORDING TO NFPA 13. SUBMIT REQUIRED NUMBER OF SETS TO AUTHORITY HAVING JURISDICTION FOR REVIEW, COMMENT AND APPROVAL. INCLUDE SYSTEM HYDRAULIC CALCULATIONS. WORKING PLANS AND HYDRAULIC CALCULATIONS SHALL BE SEALED BY A ILLINOIS REGISTERED PROFESSIONAL ENGINEER. DO NOT SUBMIT UNSEALED DRAWINGS, AS THEY WILL BE REJECTED.
11. DO NOT INSTALL THE FIRE SERVICE OR ANY SPRINKLER SYSTEM PIPING UNTIL THE SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATIONS ARE APPROVED, BY THE FOLLOWING:
    * OWNER * ENGINEER * CODE OFFICIALS
12. INSTALL SEISMIC BRACING ON ALL NEW FIRE SPRINKLER PIPING AS REQUIRED BY NFPA 13 AND LOCAL CODES. PROJECT IS IN A ZONE OF 40-80%G SEISMIC HAZARD. INCLUDE SEISMIC BRACING IN SPRINKLER SHOP DRAWING SUBMITTALS.

SPRINKLER SYSTEM DESIGN CRITERIA

AREA OF PROJECT	DENSITY (GPM/SF)	OVER MOST REMOTE AREA (SF)	MAXIMUM AREA PER SPRINKLER (SF)	HOSE ALLOWANCE (GPM)
OFFICE AREAS RETAIL AREAS CORRIDORS	0.10	1,500 NOTE 1	225	100
STORAGE, DOCKS	0.15	1,500 NOTE 1	130	250
KITCHEN	0.15	1,500 NOTE 1	130	250

NOTES:
1. OPERATION AREA MAY BE REDUCED BY USING QUICK-RESPONSE SPRINKLERS IN ACCORDANCE WITH NFPA 13 PROVISIONS.

SPRINKLER LEGEND

- FS — FIRE SERVICE (BELOW GRADE)
- FPM — FIRE PROTECTION MAIN
- FP — FIRE PROTECTION BRANCH PIPING
- DP — DRY SYSTEM BRANCH PIPING
- UPRIGHT OR RECESSED PENDANT SPRINKLER HEAD AS REQUIRED BY CEILING
- SIDEWALL SPRINKLER HEAD
- NORMALLY OPEN MANUAL BALL VALVE
- SPRINKLER SYSTEM ALARM BELL
- SIAMESE FIRE DEPARTMENT CONNECTION

CONTRACT DOCUMENTS

Revisions:	Date

CONSULTANTS:

SGE Smith-Goth Engineers, Inc.
EXPERIENCE. FORWARD-THINKING.
3855 S. Jefferson Ave.
Springfield, MO 65807
P: 417-882-2200
F: 417-882-1188
www.smithgoth.com
Illinois Certificate of Authority No. 184.005101

State of Illinois — Norman E. Goth — Number 062-051123 — Registered Professional Engineer — 12/29/15

ARCHITECT/ENGINEERS:

MAK ARCHITECTS, INC.
ARCHITECTURE ▪ PLANNING ▪ INTERIOR DESIGN
8328-R Olive Boulevard., St. Louis, Missouri 63132
mak@makarchitects.com www.makarchitects.com
314-997-3802 314-993-3761 (Fax)

Drawing Title: BLDG. #2 - GROUND FLOOR FIRE PROTECTION PLAN

Approved Project Director:

Project Title: CONSTRUCT NEW DIETETICS
DEPARTMENT OF VETERAN AFFAIRS MEDICAL CENTER

Location: 2401 WEST MAIN STREET, MARION, IL 62959

Project Number: 657A5-10-101

Building Number: Building #2

Drawing Number: FP1

Date: 1-29-2016 | Checked: D.L.S. | Drawn: J.J.W.

Dwg. 7 of 21

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

© COPYRIGHT 2015 - DESIGNS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.