

SECOND FLOOR FRAMING PLAN
1'-0" = 1'-0"

REVISIONS	DATE



Dalton, van Dijk, Johnson & Partners
Architects
One Erieview Plaza
Cleveland, Ohio

Barber & Hoffman, Inc. Consulting Engineers
Byers Engineering Co. Consulting Engineers
Knight & Stolar, Inc. Landscape Architects

Drawing Title
Second Floor Framing Plan

Approved Project Director
Director
Associate Director
Chief of Staff
Chief Engineer

Project Title
Surgical Addition & Clinical Improvements

Building Number
1

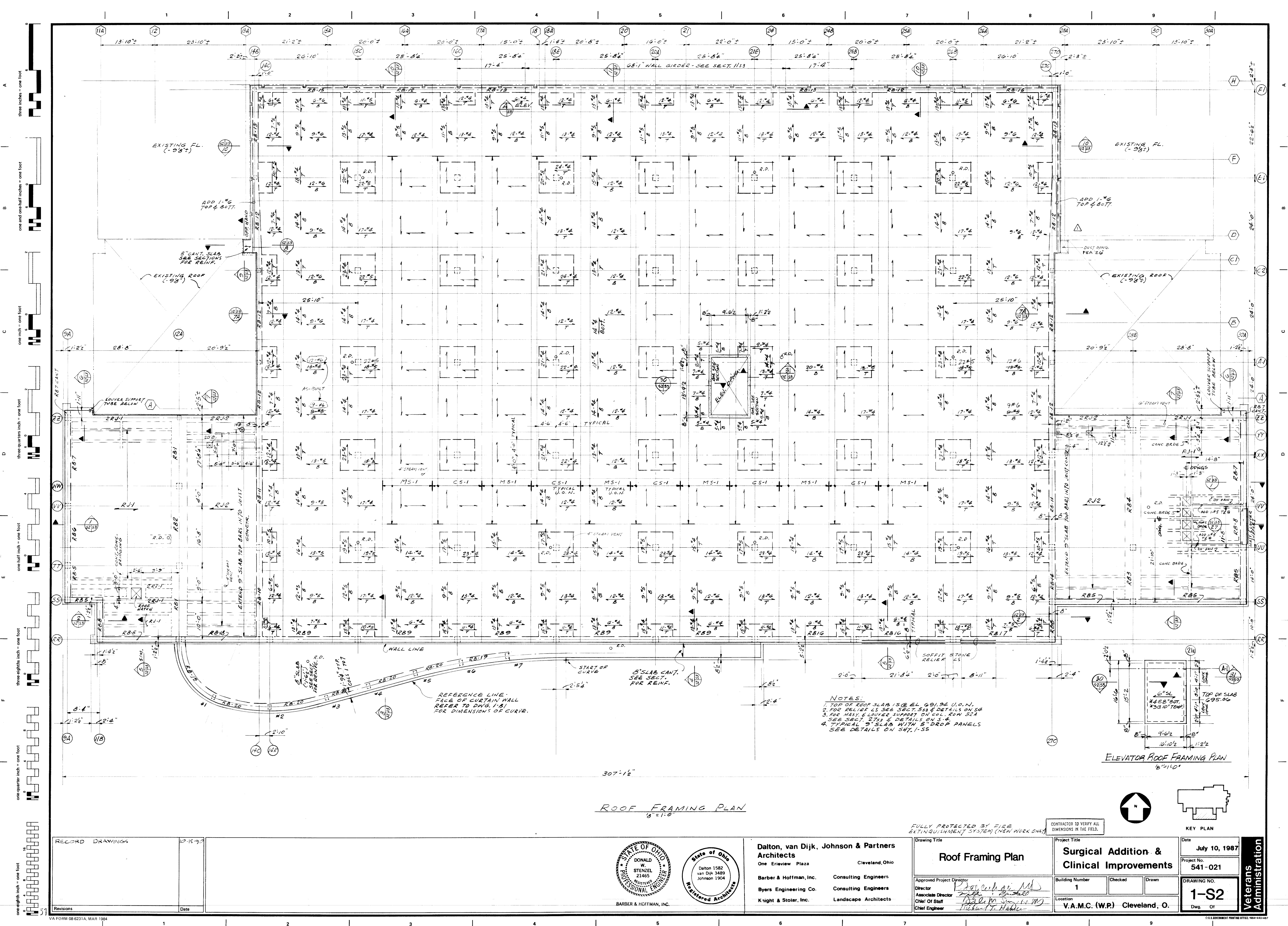
Location
V.A.M.C. (W.P.) Cleveland, O.

Date
July 10, 1987

Project No.
541-021

Drawing No.
1-S1

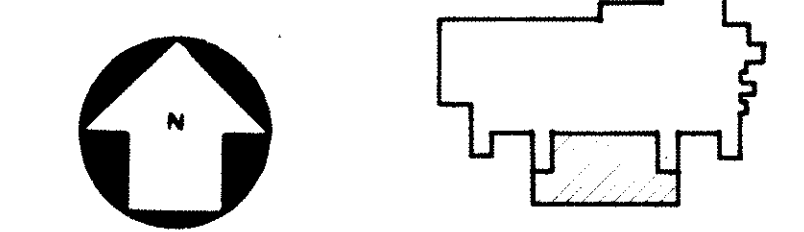
Veterans Administration



ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. TOP OF ROOF SLAB IS @ EL. 99.14 U.O.N.
2. FOR RELIEF LS SEE SECT. 553 & DETAILS ON S4
3. FOR HANG & LOUVER SUPPORT ON COL. ROW. S4
SEE SECT. 2753 & DETAILS ON S-4
4. TYPICAL 9" SLAB WITH 5" DROP PANELS
SEE DETAILS ON S47.1-55

ELEVATOR ROOF FRAMING PLAN
1/8" = 1'-0"

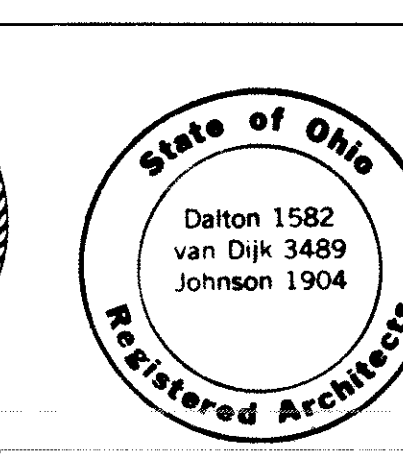
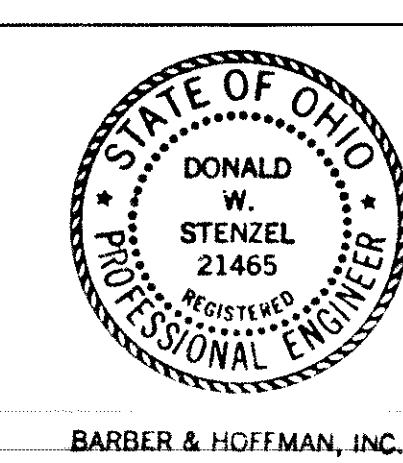


RECORD DRAWINGS

10-15-92

Revisions

Date



Dalton, van Dijk, Johnson & Partners
Architects
One Erieview Plaza
Cleveland, Ohio
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Byers Engineering Co. Consulting Engineers
Knight & Stoier, Inc. Landscape Architects

FULLY PROTECTED BY FIRE
EXTINGUISHMENT SYSTEM (NEW WORK ONLY)

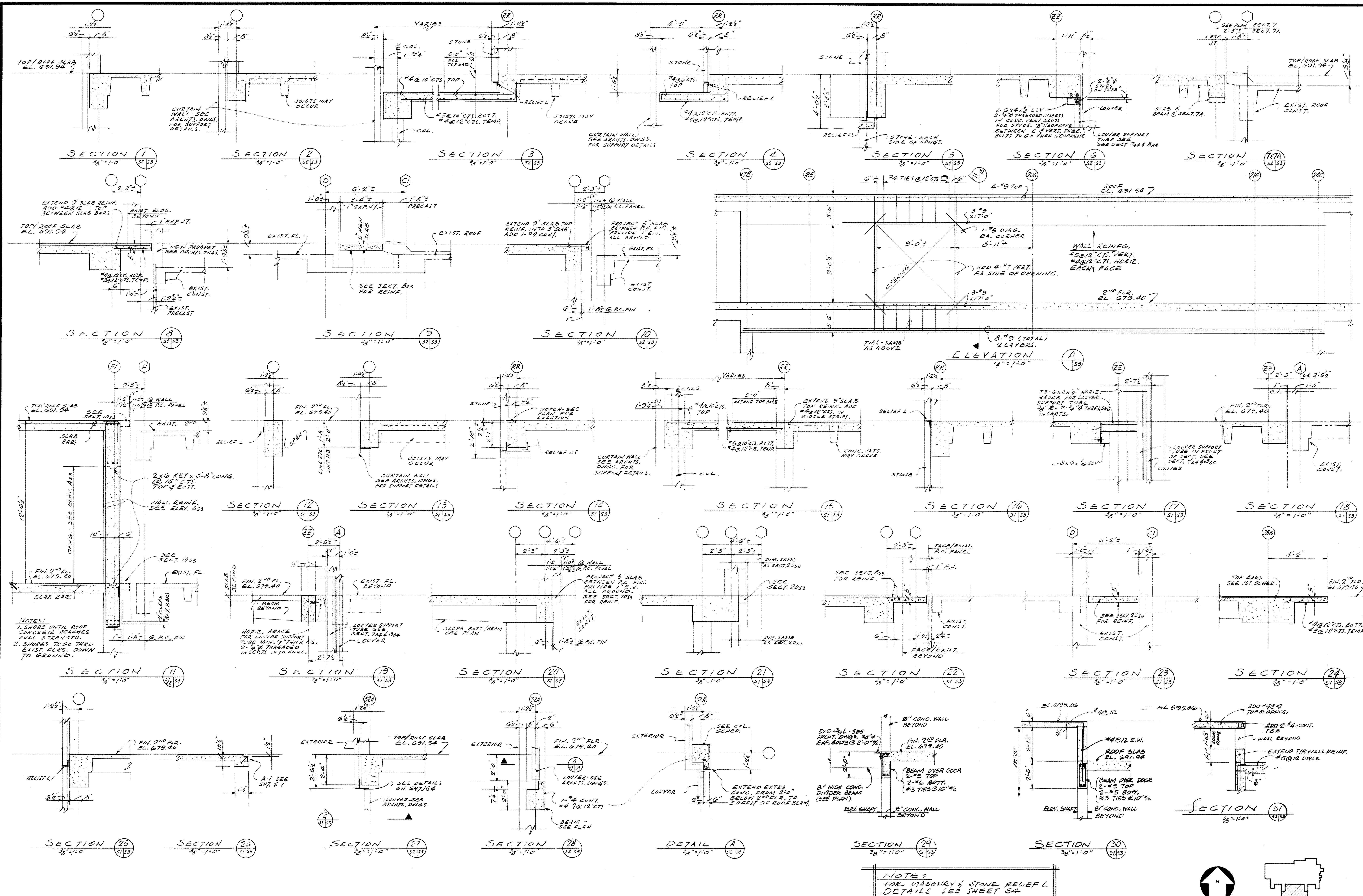
CONTRACTOR TO VERIFY ALL
DIMENSIONS IN THE FIELD.

Drawing Title
Roof Framing Plan
Approved Project Director
Director
Associate Director
Chief Of Staff
Chief Engineer

Project Title
**Surgical Addition &
Clinical Improvements**
Building Number
1
Checked
Drawn
Location
V.A.M.C. (W.P.) Cleveland, O.

Date
July 10, 1987
Project No.
541-021
DRAWING NO.
1-S2
Dwg. Of

Veterans
Administration



NOTE:
FOR MASONRY & STONE RELIEF L
DETAILS SEE SHEET SA



REVISIONS	DATE

10-15-92

SEAL OF THE STATE OF OHIO

DONALD W. STENZEL

REGISTERED PROFESSIONAL ENGINEER

SEAL OF THE STATE OF OHIO

Dalton 1582

van Dijk 3489

Johnson 1904

REGISTERED ARCHITECTS

BANKER & HOFFMAN, INC.

Dalton, van Dijk, Johnson & Partners
Architects
One Erieview Plaza
Cleveland, Ohio

Barber & Hoffman, Inc. Consulting Engineers
Byers Engineering Co. Consulting Engineers
Knight & Stolar, Inc. Landscape Architects

Drawing Title
Sections & Details

Approved Project Director
Director
Associate Director
Chief of Staff
Chief Engineer

Project Title
Surgical Addition & Clinical Improvements

Building Number
1

Location
V.A.M.C. (W.P.) Cleveland, O.

Date
July 10, 1987

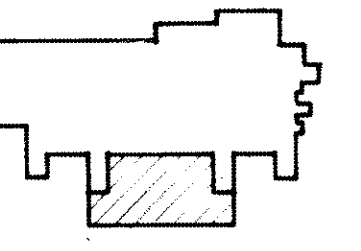
Project No.
541-021

DRAWING NO.
1-S3

Dwg. Of

Veterans Administration

TYPICAL COLUMN BAR ARRANGEMENT DETAILS
NO SCALE



CONTRACTOR TO VERIFY ALL
DIMENSIONS IN THE FIELD.

Architectural drawing showing structural details for a building project. The drawing includes a BEAM SCHEDULE, JOIST SCHEDULE, and various reinforcement details for beams, joists, and slabs. It also contains a table of material quantities and a list of notes.

BEAM SCHEDULE

Typical Beam Reinforcing Detail (Except Where Otherwise Noted)

Details

Notes:

JOIST SCHEDULE

Typical Joist & Slab Reinforcing Detail

Notes:

GENERAL NOTES

(Unless Otherwise Noted)

DESIGN LIVE LOADS

Roofs: 30 psf (increased for snow build-up per ANSI)

Floors: 60 psf (typical) plus 25 psf partitions allowance

100 psf (mechanical rooms)

100 psf (stairs)

DESIGN STRESSES

Concrete (strength design) minimum compressive strength in 28 days

Caissons: f'c = 3,000 psi - TYPE C

All others: f'c = 4,000 psi - TYPE D

Reinforcing Bars (ASTM A615 Grade 60): fy = 60,000 psi

Cold Wire Fabric (ASTM A185): fy = 30,000 psi

Structural Steel (ASTM A36): fy = 36,000 psi

Structural Steel Tubes (ASTM A500 Grade B): fy = 46,000 psi

Structural Steel Pipe (ASTM A53 Grade B or ASTM A501): fy = 35,000 psi

Soil Pressure (Hard Pan): 11,000 psf

CONCRETE CONSTRUCTION

1. The Contractor shall verify all dimensions in the field prior to commencing work. The Resident Engineer shall be notified of any discrepancies which may exist.

2. The Contractor shall furnish all necessary bracing required to properly construct the building.

3. Do not scale drawings.

4. Any discrepancies between structural and architectural drawings shall be brought to the attention of the Resident Engineer.

5. Shop drawings must be checked and stamped by the Contractor prior to submission.

FOUNDATIONS

1. Elevations given are to bottom of footings and grade beams.

2. For placement and compaction of fill under slabs on grade see specifications.

3. In granular soils (sands and gravels) the soil shall be mechanically tamped to a hard surface prior to placing footing.

4. Existing foundations shown on drawings are approximate. Exact condition must be verified at time of construction.

5. Before backfill, all walls must be adequately braced. For backfill requirements, see specifications.

6. Concrete piers under columns or beams to have a minimum of 4 - #5 vertical bars and #3 @ 12" o.c. horizontal ties.

7. For caissons, refer to caissons notes and details.

8. Locate existing underground utilities in areas of construction. Coordinate with utility companies for any shut-off requirements of still active lines.

STEEL CONSTRUCTION

1. Steel detailing, fabrication, and erection shall conform to the latest AISC Specifications and Code of Standard Practice, and the AWS Structural Welding Code.

2. Connections - welded or high strength bolts:

A. A325N bolts with hardened washers; bearing type high strength bolts with threads in the shear plane.

B. Use framed beam connections as listed in Tables II, III, or IV of AISC Manual of Steel Construction, Eighth Edition. Type of bolt and/or type of weld shall be as listed on these drawings or in the specifications. If reaction is noted, connection shall develop same. Where no reactions are noted, the connection shall develop 1/2 of the total uniform load capacity of the beam. The length of connection angles shall be not less than half of the T distance of the beam web.

3. Welding electrodes shall be E70XX.

4. Shop drawings are required and shall note type of electrodes, size of all welds, and type and size of all bolts.

5. Painting - see specifications for all painting requirements.

6. See all contract drawings for miscellaneous steel requirements.

7. All shop and field welding shall be done by a recently certified welder.

8. All welding and high strength bolting must be inspected by a qualified testing laboratory. Laboratory shall be approved by the Architect and/or Engineer.

9. For connections to existing concrete, use wedge type expansion bolts.

MASONRY WALLS

Masonry walls shall be adequately braced to resist wind and other loads imposed during construction.

ROOF, FLOOR, OR WALL OPENINGS

1. The Contractor shall verify and coordinate the number, size, and location of all sleeves and openings required for mechanical or electrical items.

2. Sleeves and openings shall be located in a manner that will maintain the structural integrity of the roof, floor, or wall system.

3. No structural elements are to be cut unless specifically approved by the Engineer.

REINFORCED MASONRY LINTEL

Notes:

1. This schedule is for material not otherwise shown or noted on drawings.

2. Span Limits

3. Angle Limits

4. Provide one angle for each 4" of masonry wall thickness.

5. Angles exposed to weather shall be 3/8" minimum thickness.

6. Minimum bearing shall be 5" each end.