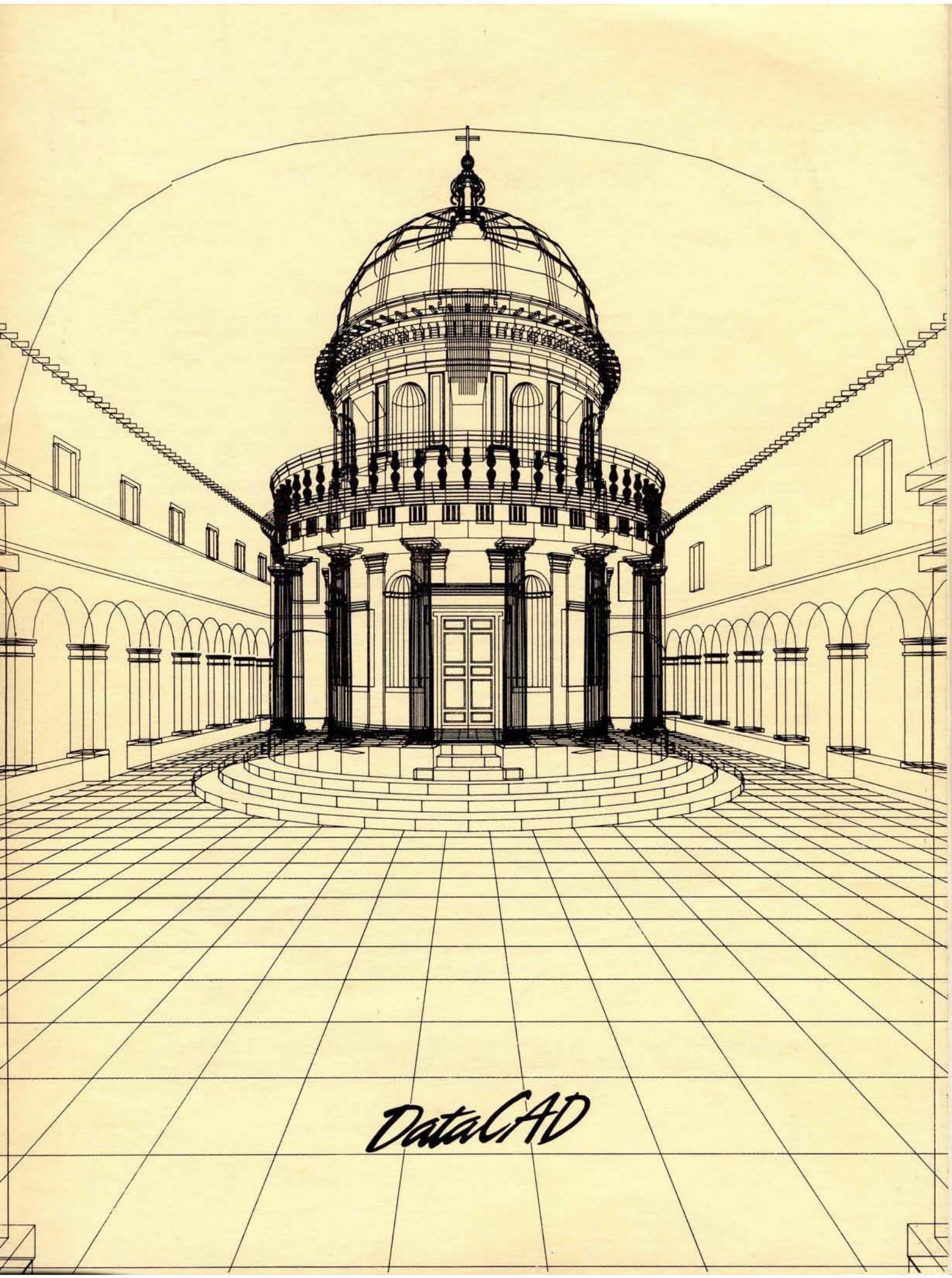

DataCAD

PRESS KIT

MICROTECTURE™

MICROTECTURE CORPORATION

Overview

MICROTECTURE Corporation develops and manufactures the DataCAD computer aided design system for use by professionals in architecture, engineering, interior design and construction.

In 1987, MICROTECTURE will add to the core DataCAD product line an innovative 3D Hidden Line Removal module and a sophisticated 3D Editor. These new modules,coupled with the recently released macro language DL1 (DataCAD Programming Language 1) for third party software developers, will give the DataCAD user the most potent and versatile design and drafting system on the A/E/C market today. This past year MICROTECTURE has certainly accomplished what it set out to do over 3 years ago: build a better CAD system.

Started in 1983, MICROTECTURE Corporation began as a special project of an architectural firm named Burgh Associates. Architect, Stuart G. Burgh, AIA and engineer, Eric V. Smith, started out to design better architectural software for the professional office environment. Two years later, their first product, DataCAD, was chosen by the American Institute of Architects Professional Systems Division as the first CAD package to be offered directly to the AIA membership. Today, many CAD/CAM industry evaluators consider DataCAD one of the best PC based CAD software packages on the market. Since that first big customer, the American Institute of Architects, the DataCAD product line has been picked up by over 150 dealers nationwide and is sold and distributed through Entre Corporation, Charrette Corporation, and in Europe by Softech Corporation.

Headquartered in Charlottesville, Virginia, MICROTECTURE's 1986 sales for DataCAD topped $ 2,000,000.00. Committed to ongoing research and development, MICROTECTURE's R&D department continually strives to maintain the original objective: to build a better CAD system. A DataCAD user need not worry about their system becomming obsolete, in fact, MICROTECTURE maintains an open door policy by which DataCAD end users are encouraged to submit their thoughts and ideas for new DataCAD features and products.

Additional information about MICROTECTURE Corporation or the DataCAD product line may be obtained from the company's Public Relations Department, P.O. Box 3788, Charlottesville, VA 22903.

CONTENTS

DataCAD

FEATURES

ADVANCED FEATURES

- Full Three-Dimensional Drawing DataBase
  Interrupt-Driven Keyboard
  Nested Commands
- Bill of Materials and DataBase Capability
  1000 Layers
- Run-time Loadable Device Drivers
  Area and Perimeter Calculations
- DataBase of Line Lengths and Attributes
  UnDo and ReDo Feature
  User Definable Prompts and Messages
- † On-Screen Template System
- Proprietary High Speed Graphics Operating System, LogOn™
- Built-in Coordinate Geometry Package (COGO)
- Foreign Language Versions

DRAWING COMMANDS

Line, Circle, Arc, Ellipse, Rectangle, Polygon, B-Spline, Bezier Curve,

- Three-Dimensional Arc, Text

Snap Commands
- To Grid
- Endpoint
- Intersection
- Center of Circle, Arc
- Midpoint
- Tangent and Perpendicular
- N-Divisions
- Quick

† Coordinate Systems
- Relative Polar
- Absolute Polar
- Relative Cartesian
- Absolute Cartesian

† User-Definable Hatch Patterns with 45 Pre-defined Types
Ten User-Definable Views
Adjustable Cursor Styles, Colors

- Absolute or Relative Distance Display

Text Commands
- Selectable Fonts
- Adjustable Slant, Height, Rotation, Width, Aspect Ratio
- Selectable Termination types
  - Arrow, Slash, Circle

† Fit Text
† Import Text Files from DOS
Text Justification

DRAWING COMMANDS *(Continued)*

Automatic Corner and Intersection Clean-up

- Automatic Wall Capping

† User-Definable Window Commands
† User-Definable Door Commands
† User-Definable Line Types, 24 Standard Types Provided
Including: Insulation, Wood Siding, Grass, Shingles, Electrical, Utilities, and Plywood

- Dynamic Circles, Arcs, Polygons and Ellipses
- Tangent Arcs

Rubberbanding in Ortho and Free Mode
Powerful Grid Commands
- Custom and Pre-Defined Grids
- Two Display Grids per Layer
- Selectable Colors

† Rotatable in Degrees, Minutes, Seconds
Selectable Display Options
Adjustable Grid Origins by Layer
Adjustable "X" and "Y" Grids

EDITING FEATURES

† Copy and Move Between Layers

- Fillets
- Chamfers

Enlarge Command
Trim Line
† Circular and Rectangular Arrays
Freehand Drawing
† Change Attributes Command
† Tangent and Parallel Command
"N" Unit Divide
Partial Erase
Define Intersection
† Mirroring with Adjustable Text Orientation
† Rotation in Degrees, Minutes and Seconds
Automatic "L" and "T" Intersection Clean-Up
Stretch Command (works with Associative Dimensioning)

DISPLAY FEATURES

Pre-Defined or User-Definable Scaling
Zoom Window

- Zoom Extents
- Dynamic Drag

Adjustable Pan Commands

- Display Options
  - Text, Hatching, Dimensioning

COMPUTER AIDED DESIGN BY
MICROTECTURE™

PROFESSIONAL DIMENSIONING

- Automatic Dimensioning
- Associative Dimensioning
  Angular Dimensions
  Selectable Scales
    Architectural
    Decimal
    Engineering
    Meters
- Millimeters
- Centimeters
- Absolute Units

PLOTTING

Drawing "Layout"
All standard sizes plus custom sheets
Plot to Disk and "Spool" Utility
- Background Plotting
Plot by Color
- Pen Sorting
Partial Plot by Line, Shape or Area

MACROS

- Keyboard Macros
- Basic Macro Language
    Three-Dimensional Primatives
    On-Screen Text Editor
    Run-Time Editing of Macro Definition
    Simultaneous Views in Plan, Elevation and Isometric
- Advanced Macro Language
    Compiled Code for Fast Execution Speed
    Control over Labels and Drawing Data Base
    Three-Dimensional Symbols

SYSTEM UTILITIES

- DOS Commands within Program
DXF File Input
DXF File Output
Conversion Programs
Definable Path Names for all Files
User-Definable Communications Port Set-up

THREE-DIMENSIONAL CAPABILITY

- Full Three-Dimensional Drawing DataBase
Lines, Arcs, and Circles in Three Dimensions
Multiple Three-Dimensional Projections
  Perspective
- Plan Oblique
  Elevation Oblique
- Axionometric Projections

Adjustable Viewer Positioning
Adjustable View Angle
- Clipping Cubes
† Edit in Three-Dimensional Planes
- Three-Dimensional Arrays
- Spiral Arrays

Continuing enhancements to all MICROTECTURE products may result in changes to product specifications at any time.

SYSTEM REQUIREMENTS

IBM AT or Full Compatible, 6 or 8 MHz
20 Mb Disk Drive
80287 Math Co-Processor
640k RAM
Mouse or Digitizer

SUPPORTED HARDWARE

Graphics Adaptors
IBM Color Graphics Adaptor
IBM Enhanced Grapics Adaptor
IBM Professional Graphics Controller
Control Systems Artist 1 Card
Control Systems Artist 1 Plus
Verticom M16
- Verticom H16
AT&T Display Enhancement Board
AT&T Standard Adaptor
- Hercules Graphics Card
- Sigma Color 400
- Vectrix PEPE Board

Monitors
IBM Enhanced Color Display
  Professional Display
  Standard Color Monitor
AT&T Color Display
  Monocrome Display
Mitsubishi C-6920
NEC Multi-Sync
Princeton Graphics HX-12E
Vectrix Displays
Galaxy Displays

Plotters
Hewlett Packard HP-GL 7475, 7550, 7580, 7585
- Hewlett Packard DraftPro
† Calcomp 1042, 1043, 1044
Houston Instruments DMP Series, DMP 41, 42, 51, 52, 56 and MP Plotters
Roland RD-GL

Input Devices
Mouse Systems PC M3 Mouse
Logitech C7 Mouse
SummaGraphics Mouse
Microsoft Mouse, Bus or Serial
† Pencept Pad
Kurta Series 1
Houston Instruments DT-11
Kurta PenMouse+
Houston Instruments True Grid 8000

• New feature for DataCAD™ version 3.0
† Enhanced feature for version 3.0

DataCAD

PRODUCT DESCRIPTION

MICROTECTURE'S DataCAD software is a powerful state-of-the-art CAD system specifically developed for architectural, engineering and construction-related applications. Combining many advanced features found on dedicated minicomputer based CAD systems with the ease of use and flexibility of micro-based machines, DataCAD offers a professional and affordable solution to your CAD needs.

DataCAD is neither a "generic" CAD program, nor one which is "ported over" to architectural and A/E/C applications. From MICROTECTURE'S inception in 1983, our staff architects have worked directly with system programmers to create a complete software environment for both the designer and draftsman. The benefits of this approach go far beyond the impressive list of system capabilities and the features offered by DataCAD.

Like a new building designed from the ground up to suit a particular purpose, DataCAD succeeds because it is designed to perform in a professional office environment. From your initial design work, massing studies and interior perpectives, to your final set of working drawings, DataCAD software will provide the tools you need to create quality documents faster, more accurately and with greater flexibility than ever before.

EASE OF USE

No matter how powerful our CAD program becomes, its usefulness in a traditional office environment is defined by the ability of your existing staff to learn and use the system. At Microtecture, emphasis has been placed on a simple and understandable command structure so that even designers with no previous computer experience can learn to use the program quickly.

System commands are arranged logically in a simple menu displayed on the screen or on the optional DataPort™ tablet menu. DataCAD is unique in its ability to select these options with the mouse, the function keys, DataPort and the keyboard simultaneously. This means you can find the ideal combination to suit your level of experience. In addition, the keyboard commands and the DataPort interface are "interrupt driven" so you can move quickly from one part of the program to another with a single keystroke. You can even "nest" commands, so that the program automatically returns to the previous command after an interruption.

SCALE AND ZOOM

Because you use specific architectural and engineering scales when you draw, DataCAD uses these same scales when zooming up or down on the monitor display. A shape displayed on the screen is represented at its actual size according to the scale selected. The monitor also displays information about the current status of the program. Drawing scale, drawing layer and name, and current menu option selected are constantly displayed for your reference.

MULTIPLE LAYERS, COLORS, LINETYPES

Following the analogy of overlay drafting, your drawings on DataCAD may be organized as a series of tranparent layers. As many as 1000 different drawing layers may be stored within a single drawing file. Each layer may be given its own name and grid size and may be selectively turned on or off to display the desired collection of information for the particular type of editing being done. These individual layers may be saved separately on disk, merged with other drawings, or sent to remote locations using a standard modem.

FLEXIBLE GRIDS

DataCAD makes extensive use of sophisticated grid options, including multiple display grids, snap grids and rotated grids. Since each drawing layer can have its own grid settings, the size and offset of each layer can be set to the optimal value for the type of information being stored within that layer.

TEMPLATE LIBRARIES

The template function allows the designer to make efficient use of previously designed shapes, details, and drafting symbols. Once an object or symbol has been drawn, it may be stored permanently in a template library and later recalled to the screen for use. Groups of symbols may be collected in customized libraries containing standard symbol sets, typical office details, furniture, or electrical fixtures. DataCAD even allows you to create three dimensional symbols which may be viewed in perspective. A variety of pre-defined symbols and library elements are included in the software at no extra cost.

DATABASING

The template system also provides powerful databasing functions. Each template symbol may be assigned a number of database attributes such as size, description, or price. These may be used in combination with a spread-sheet form definition to create drawing schedules, inventories, cost estimates, and bill of materials reports.

AUTOMATIC DIMENSIONING

DataCAD has the most advanced dimensioning features of any PC based CAD system today, including both automatic and associative dimensioning. The automatic dimensioning capability can be used to run string lines in architectual, engineering, or metric units. Associative dimensioning features allow you to edit, stretch and move drawings that have already been dimensioned. DataCAD will automatically update the dimension lines to reflect these changes, or you can change all your dimensions from arechitectural to engineering or metric with a single keystroke. This allows you unprecedented flexibility in modifying existing plans, sections and elevations. As you would expect, DataCAD will also dimension arcs and circles automatically, and all objects may be dimensioned with a wide variety of arrow styles and text types.

BUILT-IN COORDINATE GEOMETRY

MICROTECTURE has provided a built-in COGO package for civil engineering and surveying applications. This allows DataCAD users to enter metes and bounds information as well as curve data to define any plat or sub-division boundry or roadway.

THREE DIMENSIONAL PERSPECTIVES

DataCAD offers an impressive array of three dimensional capabilities. Offering the speed advantages of two dimensional extrusion with the flexibility to work in section and elevational views, DataCAD3 can create orthographic and isometric projections, plan and elevation oblique views, and true perspective drawings. Surface shading will soon be available as an integral part of DataCAD3.

ADVANCED ARCHITECTURAL FEATURES

A number of special features designed for architects and engineers are provided for speed and efficiency. Many of these are not found in competing systems, but more importantly, MICROTECTURE has taken the time to implement these features in a manner which is both easy to use and fast. Individually, these capabilities are impressive; collectively, they provide a measure of performance not found in any other system in its class.

- Automatic Wall Commands
- Automatic Window Insertion
- Automatic Door Insertion
- Area/Perimeter Calculations
- Three Dimensional Perspectives
- Stretch Command
- User Definable Line Types
- Multiple Text Fonts
- Standard Symbol Libraries

INTEGRATED TO PROJECT COSTING

For users of MICROTECTURE'S Financial Management System, DataCAD provides integrated and automated posting of time spent on the CAD system. Employee name, project number, phase, and service information are maintained with each drawing file. This information may be posted to the Project Costing module and becomes available to any of the reporting capabilities within the Financial Management System.

A WINNING SYSTEM

MICROTECTURE officially introduced its CAD system at the A/E Systems show in 1985. Since that time DataCAD has won two major CAD competitions, including an evaluation as THE BEST 2D program in Architectural Technology's "PC CADShootout." In April, DataCAD was selected by the American Institute of Architects to be sold to member firms through the AIA/SC. More recently, DataCAD was favored over the competition and selected (together with AutoCAD) by Entré Corporation as one of the two CAD programs for national distribution to Entré Centers in the USA, Canada and Australia. Find out for yourself why DataCAD is increasingly acclaimed as the finest CAD system available for architects; and then join MICROTECTURE'S winning team.

DataCAD

SUPPORTED HARDWARE

MICROTECTURE engages in continuous evaluation of hardware and regularly adds equipment to its supported list

COMPUTERS

DataCAD runs on the IBM AT and XT. Although, in theory, our software will run on all computers compatible with the above models, many computers advertised as 'IBM compatible' are not totally compatible. Consequently, we urge caution in selecting hardware.

DataCAD requires 640K bytes of RAM. RAM in excess of 640K can be recognized by MS-DOS as a RAM disk to provide additional speed of execution. To provide rapid retrieval and reliable storage of drawing files, we recommend a hard disk of at least 20 MB. A diskette drive or tape drive is required to back-up drawing files. To perform arithmetic functions, DataCAD requires a math co-processor. Two serial ports are required: one to support an input device, such as a mouse or digitizer, and one to support a plotter.
DataCAD supports the following systems:

Computer	Math Co-processor Required
IBM AT	Intel 80287-3
IBM XT	Intel 8087
AT&T 6300	Intel 8087-2
AT&T 6300 Plus	Intel 80287-6
Compaq DeskPro *	Intel 8087-2
Compaq DeskPro 286	Intel 80287-3
Hewlett-Packard Vectra **	Intel 80287-8
ITT XTRA	Intel 8087
Kaypro 286i	Intel 80287-8
NEC APC IV	Intel 80287-8
Sperry IT	Intel 80287-8
TI Business Pro	Intel 80287-8

* Requires ROM Revision D.
** Requires Firmware Patch Revision A.01.02.11.

INPUT DEVICES

DataCAD is operable from the keyboard alone, but use of an external input device is highly recommended both to speed operation of the program and to allow simulation of manual drafting. Input devices providing three buttons will afford maximum ease and speed of data entry. DataCAD supports the following input devices:

Mice

Hewlett-Packard HP-HIL Mouse
(with HP Vectra only)
Logitech C-7 Mouse
Microsoft Mouse: bus or serial
Mouse Systems PC Mouse M3
Torrington Manager Mouse

Digitizers

Houston Instruments DT-11
Houston Instruments True Grid 8000
Kurta Pad Series I
Numonics 2200
Pencept Penpad 320

PLOTTERS

DataCAD supports the following plotters:

Benson Series 13.xx and 16.xx
CalComp 1040 GT Series including
1041, 1042, 1043, and 1044
Hewlett-Packard HP-GL 7475, 7550, 7580, 7585
DraftPro, and ColorPro
Houston Instruments DMP including 41, 42, 51,
52, 56, and all MP series
Roland RD-GL

OPERATING SYSTEMS

As Version 2.x of PC/MS-DOS contains BACKUP and RESTORE bugs, we recommend use of Version 3.1 of PC/MS-DOS as the operating system for DataCAD.

GRAPHICS ADAPTERS

MICROTECTURE software runs on the IBM Color Graphics Adapter, IBM Enhanced Graphics Adapter, and IBM Professional Graphics Controller. In theory, DataCAD runs on all graphics adapters compatible with the above models. Caution, however, is urged in selecting adapters as not all advertised compatibles are totally compatible. DataCAD supports the following graphics adapters:

MONITORS

DataCAD will run with any monitor supported by the graphics adapters listed below; consult your dealer for adapter/monitor combinations. Supported monitors include:

IBM Enhanced Color Display
IBM Professional Display
IBM Standard Color Monitor
AT&T Color Display
AT&T Monochrome Display
Gigatek CCD1331ST Color Monitor
Mitsubishi C-6920
NEC Multisync
Princeton Graphics HX-12E Display
TAT Sextant 814, 815, 819
Vectrix Display
Verticom H Series CD2, CD3, CD4 Displays
Verticom M Series CD1, CD1A, CD5 Displays

	Resolution	*Colors*
IBM Color Graphics Adapter (CGA)	640 x 200	2
IBM Enhanced Graphics Adapter (EGA)	640 x 350	4/16
IBM Professional Graphics Controller (PGC)	640 x 480	16
Artist I Card	to 1024 x 1024	16
Artist I Plus Card	to 1024 x 1024	16
Artist II Card	to 1024 x 1024	16
AT&T Display Enhancement Board	640 x 400	16
AT&T Standard Adapter	640 x 400	2
Galaxy 800 Board	800 x 600	16
Hercules Graphics Card	720 x 348	2
Sigma Color 400-L	640 x 400	16
Vectrix PEPE Board	1024 x 1024	16
Verticom H-16 Adapter	1024 x 768	16
Verticom H-16B Adapter	1024 x 768	16
Verticom M-16 Adapter	640 x 480	16
Verticom M-16E Adapter	640 x 480	16
VMI 8820 Board	640 x 480	16

Screen dumps are currently supported on the IBM EGA with an IBM Graphics Printer.

Revised 15 October 86 for Version 3.0A.

PRESS RELEASE PRESS RELEASE PRESS RELEASE PRESS RELEASE

MICROTECTURE™
Integrated Software for Design Professionals

Contact:
Lou Bodnar
Microtecture Corporation
P.O. Box 3788
Charlottesville, VA 22903
804/295-2600

MICROTECTURE RELEASES NEW TEMPLATE LIBRARIES FOR DATACAD

December 15, 1986, Charlottesville, VA - Microtecture Corporation announced today the release of six new A/E/C Template Libraries for use with the DataCAD software product line.

The Template Libraries range from architectural symbols such as furniture, doors & windows; to electrical templates & construction macros. The Template Libraries are compatible with the current 3.0 version release of DataCAD. Microtecture is developing additional templates and will announce their release as soon as they become available.

The libraries retail for $95.00, and can be purchased from any authorized Microtecture dealer. The six A/E/C categories currently available are:

ARCHITECTURAL - a series of common symbols for architectural drawings. (Included in all DataCAD version 3.0 releases.)

CONSTRUCTION - a series of macros which automatically draw common structural elements and assemblies.

DOOR & WINDOW - a series of templates and associated database forms which allow automatic production of door, window, and hardware schedules.

ELECTRICAL - a series of templates and associated database forms for producing electrical drawings and schedules.

-morc-

HVAC -templates for producing heating, ventilating, and air conditioning drawings.

PLUMBING - a series of plumbing fixtures for producing drawings.

Included in the Construction Template are a variety of pre-programmed macro commands, which automatically produce common structural elements and assemblies, based on information keyed in by the DataCAD user such as depth, width, length, etc.

DataCAD is a two dimensional and three dimensional computer aided design package developed specifically for architects and engineers. DataCAD supports a variety of IBM and IBM compatible equipment, running under an MS DOS 3.x or a PC DOS operating system.

For further information on DataCAD, or the new DataCAD Template Libraries, contact Microtecture at 804/295-2600. Microtecture's Corporate office is located at 617 West Main Street, Charlottesville, Virginia 22901.

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PRESS RELEASE PRESS RELEASE PRESS RELEASE PRESS RELEASE

For Further Information Contact:
Lou Bodnar, Marketing Communications
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P.O. Box 3788, 617 W. Main St.
Charlottesville, VA 22903
804/295-2600

MICROTECTURE ANNOUNCES SECOND ANNUAL END USER CONTEST

Charlottesville, VA, February 9, 1987 - Microtecture Corporation announced today the start of the second annual DataCASH end user contest.

The contest, which began last year, is open to all DataCAD end users. DataCAD drawing entries are submitted by the end user in one of two CAD categories. To qualify for the first category, DataCAD Drawings, the user must submit a 2D and 3D view of any project that was produced or is currently being produced on DataCAD. Awards for this category are: First Place $500.00, Second Place $250.00, & Third Place $150.00. The second category, Miscellaneous DataCAD, is a brand new contest category. Under the Miscellaneous category, any new and/or unusual use of DataCAD, for example, notecards, posters, abstract drawings, furniture, etc would qualify. The award given in this category will be an Honorable Mention with a cash prize of $250.00.

The DataCASH entries will be judged by a panel of Architects and Computer Aided Design experts at Microtecture Corporation in Charlottesville, Virginia. The contest deadline is May 15, 1987. The winning entries will be selected in June, and the winners will be formally announced at the DataCAD End User Conference on June 25, 1987, in Washington, D.C. Winning drawings will be used throughout the year by Microtecture in DataCAD promotional literature and advertising.

DataCAD is a professional computer aided design system specifically designed for architects, engineers and design professionals. DataCAD currently runs on IBM and certain IBM compatible microcomputers, under MS DOS or PC DOS, version 3.x or higher.

For further information on the DataCASH contest or DataCAD, contact Microtecture at P.O. Box 3788, Charlottesville, VA 22903; 804/295-2600.

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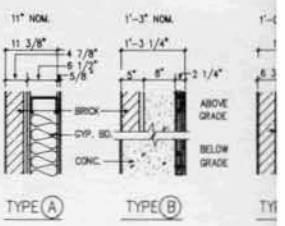
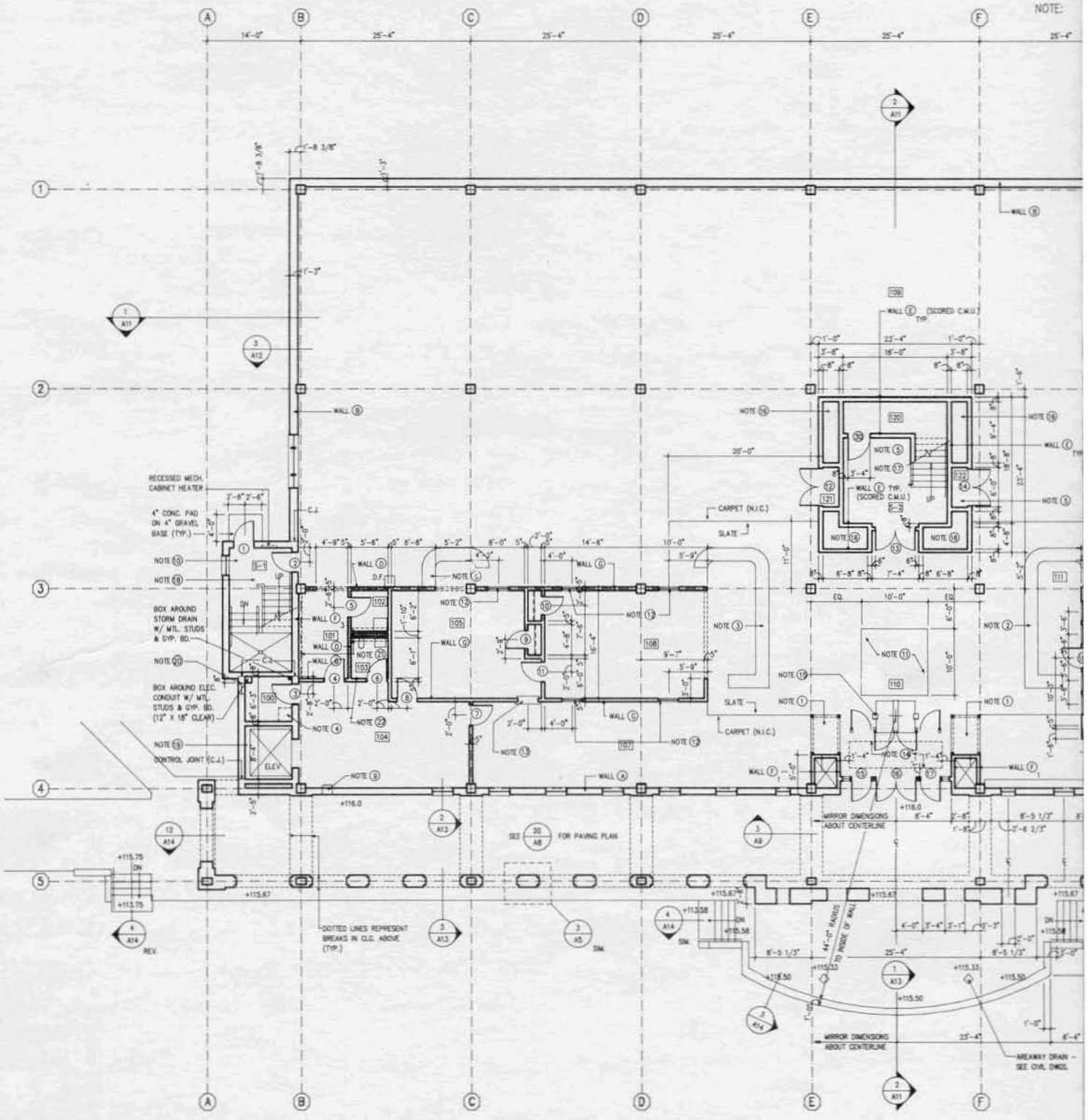
WALL TYPES



TYPE (A) TYPE (B)

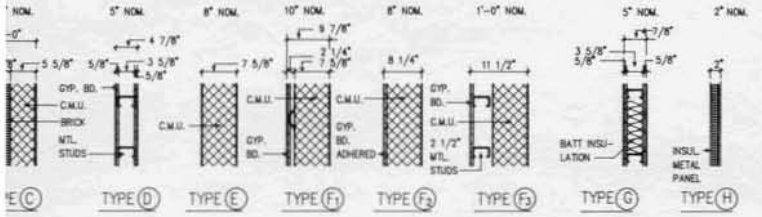
NOTE:

NOTE:



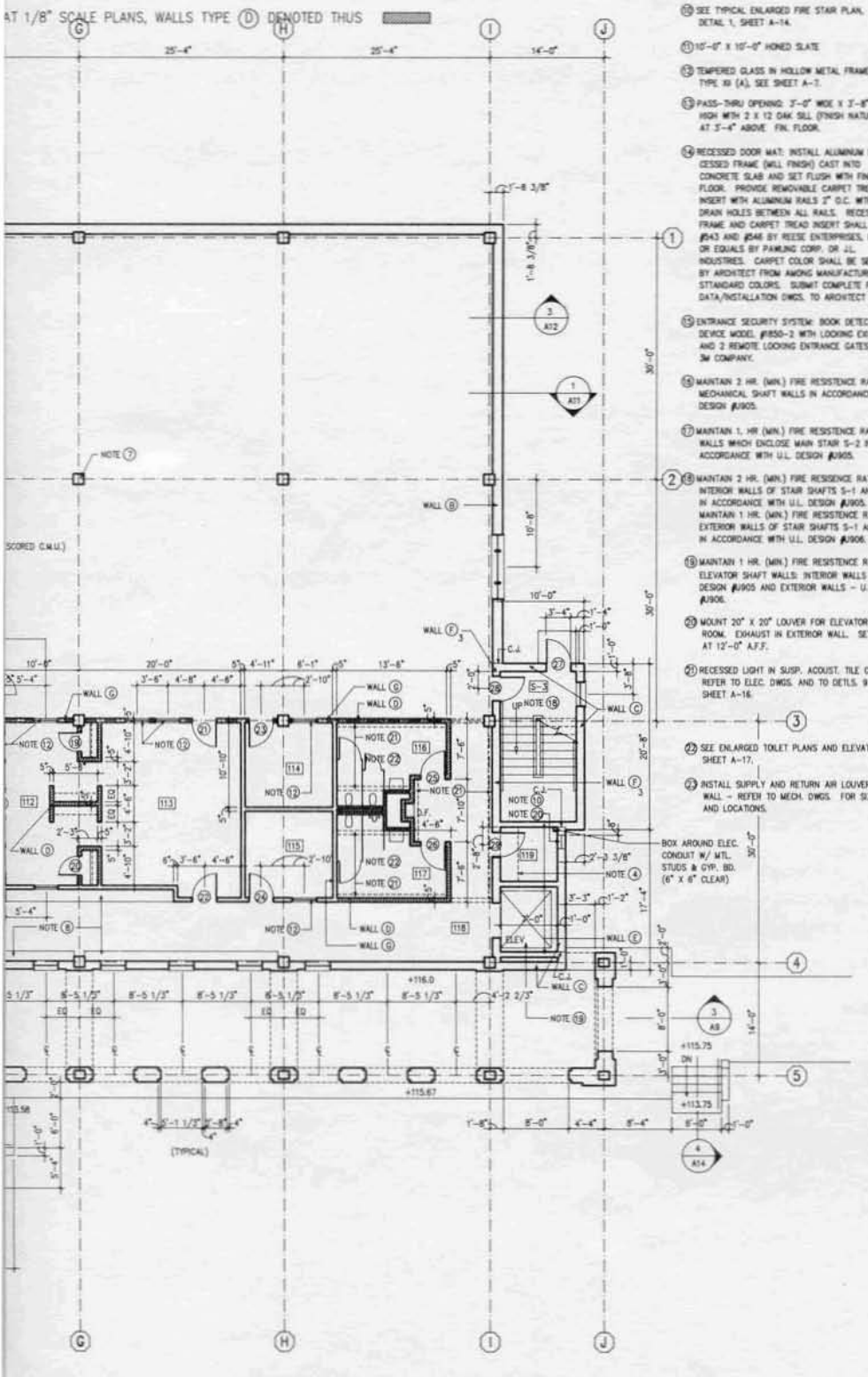
FIRST FLOOR PLAN

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



DENOTED ABOVE ARE TYPICAL GENERIC WALL ASSEMBLIES. REFER TO WALL SECTIONS, DETAILS, PLAN NOTES, AND FINISH SCHEDULE FOR ADDITIONAL APPLICABLE INFORMATION.

AT 1/8" SCALE PLANS, WALLS TYPE (D) DENOTED THUS



KEY NOTES

1. DISPLAY CASE N.I.C.
2. REFERENCE DESK (BASE BID 3) SEE DETAIL 2, SHEET A-18.
3. CIRCULATION DESK (BASE BID 3) SEE DETAIL 1, SHEET A-18.
4. INSTALL METAL FURRING AND GYP. BD. TO ENCLOSE PIPING & DUCTWORK AT CEILING ABOVE – REFER TO MECH.
5. SEE TYPICAL ENLARGED STAIR PLAN, SHEET A-15.
6. PERIODICALS DESK (BASE BID 3) SEE DETAIL 2, SHEET A-19.
7. TYPICAL STRUCTURAL CONCRETE COLUMN – SEE COLUMN SCHEDULE SHEET A-5 AND STRUCTURAL DRAWINGS.
8. VTLS COUNTERS (BASE BID 3) SEE DETAILS 1 AND 8, SHEET A-19.
9. RETURN BOOKS DEPOSITORY – MOUNT BOTTOM OF CHUTE AT INTERIOR 3'-6" A.F.F.
10. SEE TYPICAL ENLARGED FIRE STAIR PLAN, DETAIL 1, SHEET A-14.
11. 10'-0" X 10'-0" HONED SLATE
12. TEMPERED GLASS IN HOLLOW METAL FRAME TYPE XII (A), SEE SHEET A-7.
13. PASS-THRU OPENING: 3'-0" WIDE X 3'-6" HIGH WITH 2 X 12 OAK SILL (FINISH NATURAL) AT 3'-4" ABOVE FIN. FLOOR.
14. RECESSED DOOR MAT: INSTALL ALUMINUM RECESSED FRAME (MILL FINISH) CAST INTO CONCRETE SLAB AND SET FLUSH WITH FINISH FLOOR. PROVIDE REMOVABLE CARPET TREAD INSERT WITH ALUMINUM RAILS 2" O.C. WITH DRAIN HOLES BETWEEN ALL RAILS. RECESSED FRAME AND CARPET TREAD INSERT SHALL BE #643 AND #646 BY REESE ENTERPRISES, INC. OR EQUALS BY PAMLING CORP. OR J.L. INDUSTRIES. CARPET COLOR SHALL BE SELECTED BY ARCHITECT FROM AMONG MANUFACTURER'S STANDARD COLORS. SUBMIT COMPLETE PRODUCT DATA/INSTALLATION DWGS. TO ARCHITECT FOR REVIEW.
15. ENTRANCE SECURITY SYSTEM: BOOK DETECTION DEVICE MODEL #850-2 WITH LOOKING EXIT GATES AND 2 REMOTE LOCKING ENTRANCE GATES BY 3M COMPANY.
16. MAINTAIN 2 HR. (MIN.) FIRE RESISTENCE RATING AT MECHANICAL SHAFT WALLS IN ACCORDANCE WITH U.L. DESIGN #U905.
17. MAINTAIN 1 HR. (MIN.) FIRE RESISTENCE RATING AT WALLS WHICH ENCLOSE MAIN STAIR S-2 IN ACCORDANCE WITH U.L. DESIGN #U905.
18. MAINTAIN 2 HR. (MIN.) FIRE RESISTENCE RATING AT INTERIOR WALLS OF STAIR SHAFTS S-1 AND S-3 IN ACCORDANCE WITH U.L. DESIGN #U905. MAINTAIN 1 HR. (MIN.) FIRE RESISTENCE RATING AT EXTERIOR WALLS OF STAIR SHAFTS S-1 AND S-3 IN ACCORDANCE WITH U.L. DESIGN #U906.
19. MAINTAIN 1 HR. (MIN.) FIRE RESISTENCE RATING AT ELEVATOR SHAFT WALLS: INTERIOR WALLS – U.L. DESIGN #U905 AND EXTERIOR WALLS – U.L. DESIGN #U906.
20. MOUNT 20" X 20" LOUVER FOR ELEVATOR EQUIP. ROOM. EXHAUST IN EXTERIOR WALL. SET HEAD AT 12'-0" A.F.F.
21. RECESSED LIGHT IN SUSP. ACOUST. TILE CLG. ABOVE – REFER TO ELEC. DWGS. AND TO DETLS. 9 AND 10 SHEET A-16.
22. SEE ENLARGED TOILET PLANS AND ELEVATIONS, SHEET A-17.
23. INSTALL SUPPLY AND RETURN AIR LOUVERS IN WALL – REFER TO MECH. DWGS. FOR SIZES AND LOCATIONS.

MARY WASHINGTON COLLEGE LIBRARY

FREDERICKSBURG, VIRGINIA
ITEM NO: C-22G.1
PROJECT CODE: 10876
AGENCY NUMBER: 215

JOB NO.	85196
DRAWN BY	JSP MRB
CHECKED	DMO TWB

VMDO ARCHITECTS

CHARLOTTESVILLE
NORFOLK

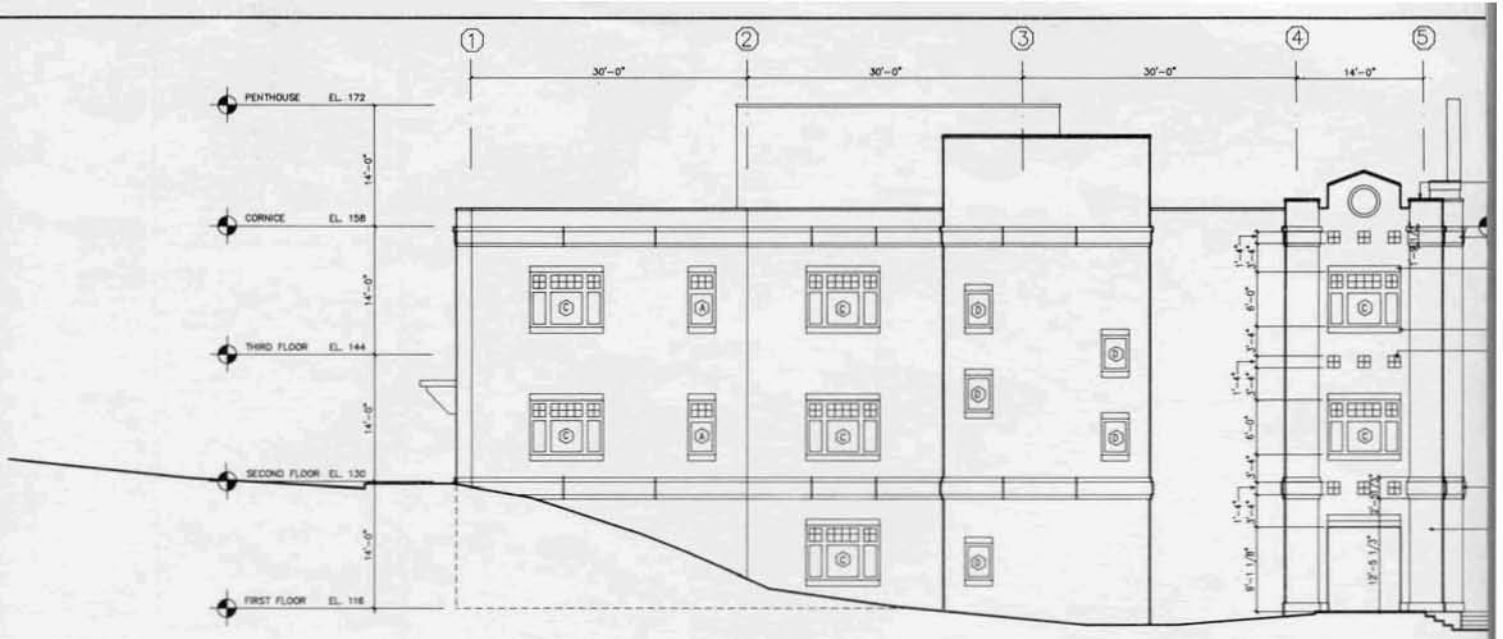
116 SECOND STREET NE
CHARLOTTESVILLE, VA.
(804) 296-5684

REVISIONS

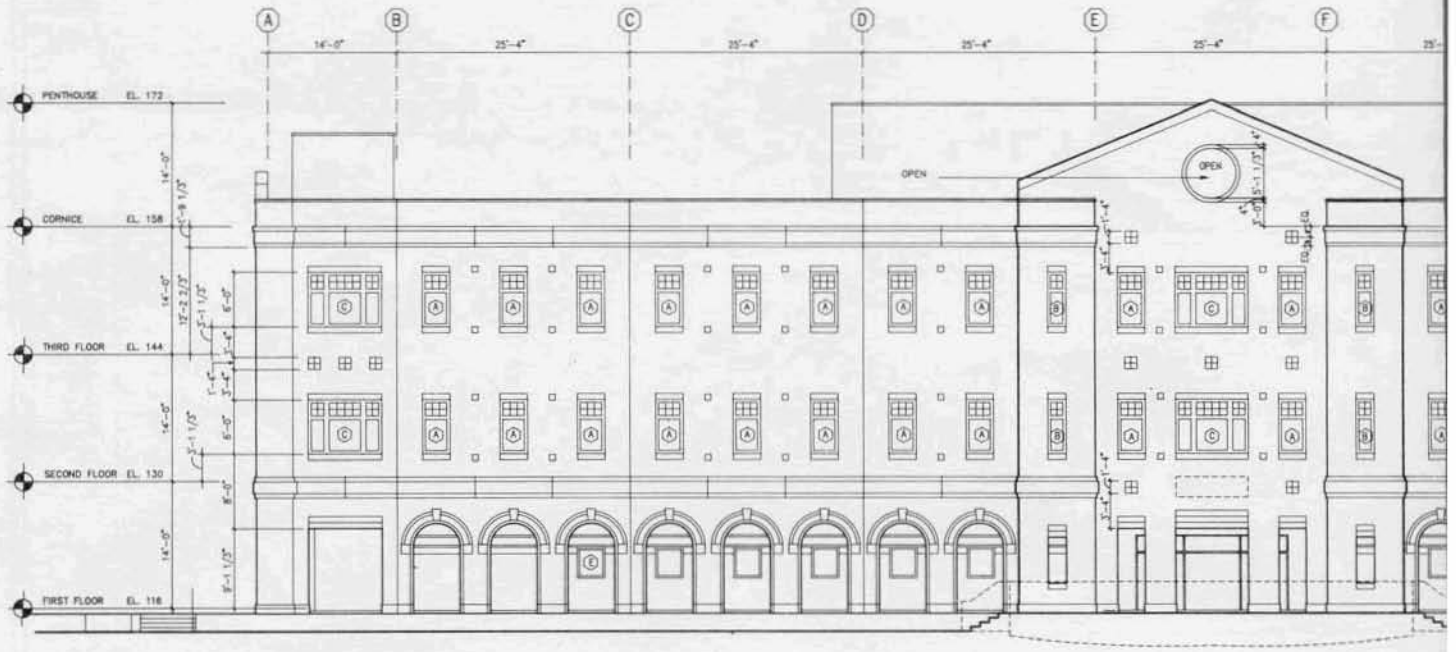
FIRST FLOOR PLAN

DETAILS

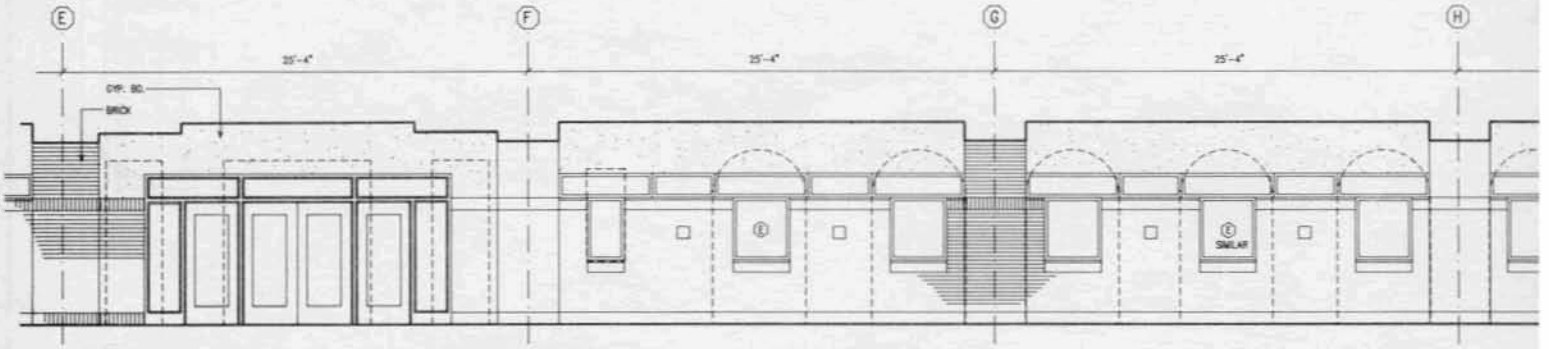
SCALE	1/8"=1'-0"
	A-1
DATE	9/15/86



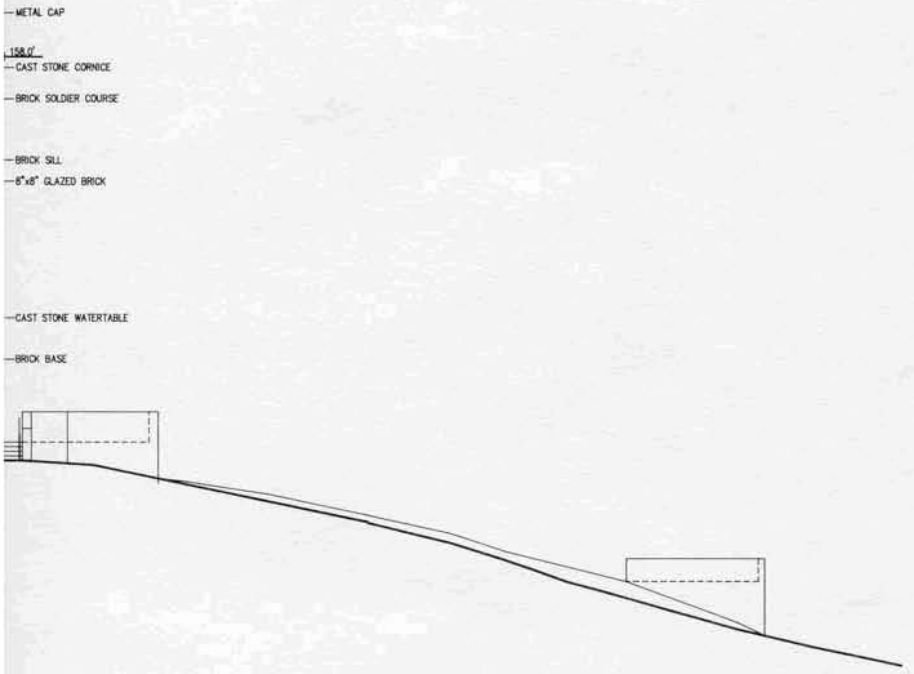
1 / A9 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

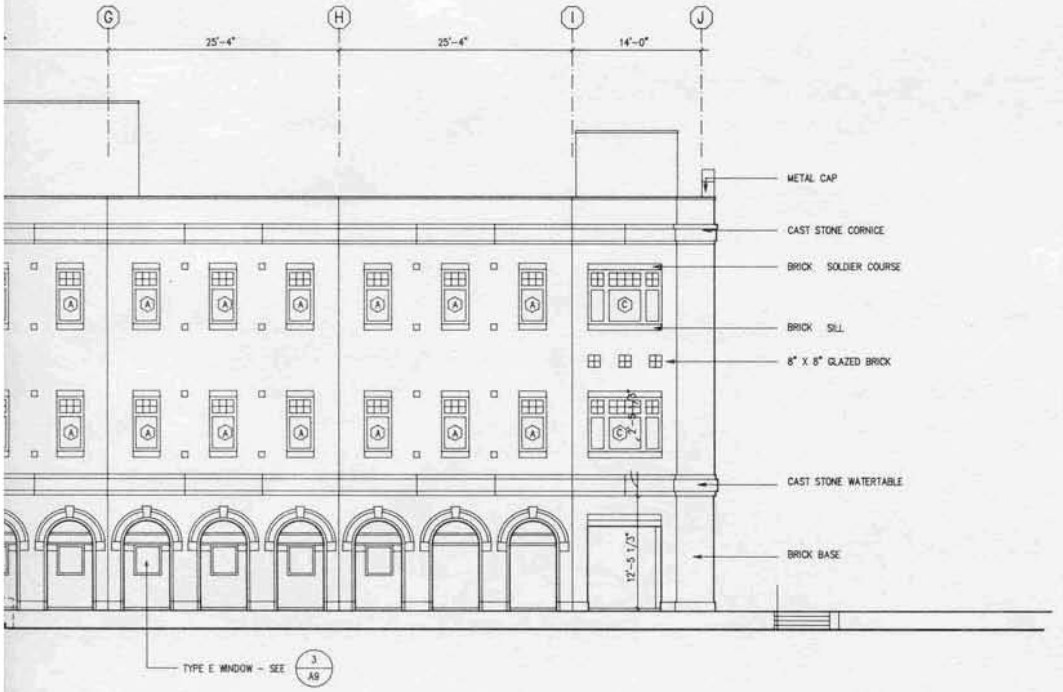


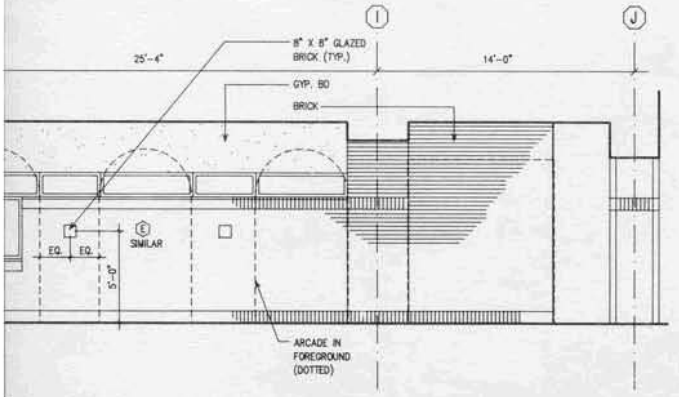
2 / A9 EAST ELEVATION
SCALE: 1/8" = 1'-0"



3 / A9 PARTIAL EAST ELEVATION @ ARCADE
SCALE: 1/4" = 1'-0"







MARY WASHINGTON COLLEGE LIBRARY

FREDERICKSBURG, VIRGINIA
ITEM NO: C-220.1
PROJECT CODE: 10876
AGENCY NUMBER: 215

JOB NO.	85196
DRAWN BY	MRB KAB
CHECKED	DMO TWB

VMDO
ARCHITECTS
CHARLOTTESVILLE
NORFOLK

116 SECOND STREET NE
CHARLOTTESVILLE, VA.
(804) 296-5684

REVISIONS

EAST & SOUTH ELEVATIONS

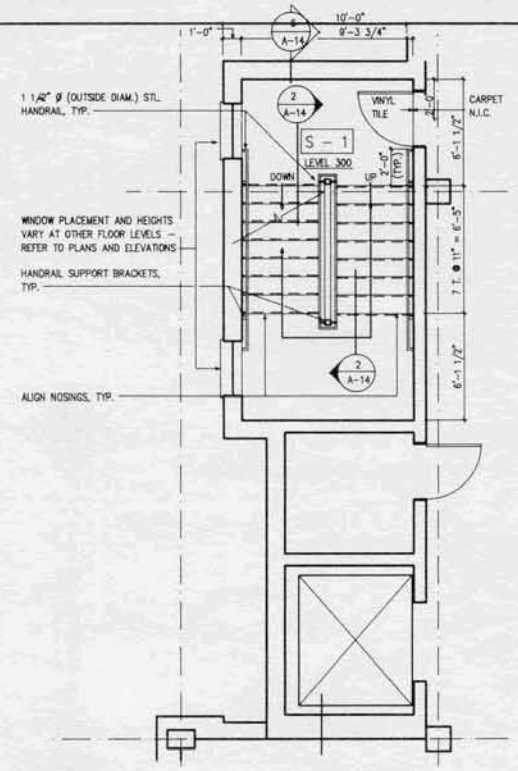
PARTIAL EAST ELEVATION

SCALE	AS NOTED

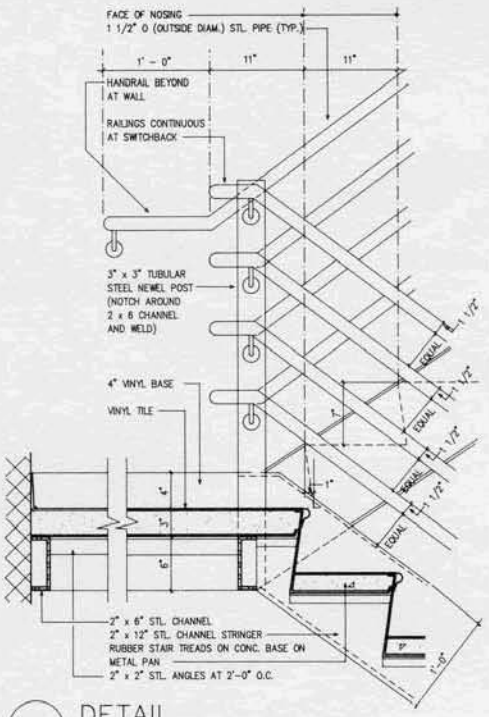
A-9

85196

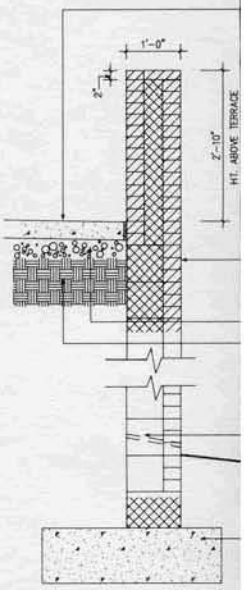
DATE	8/29/86



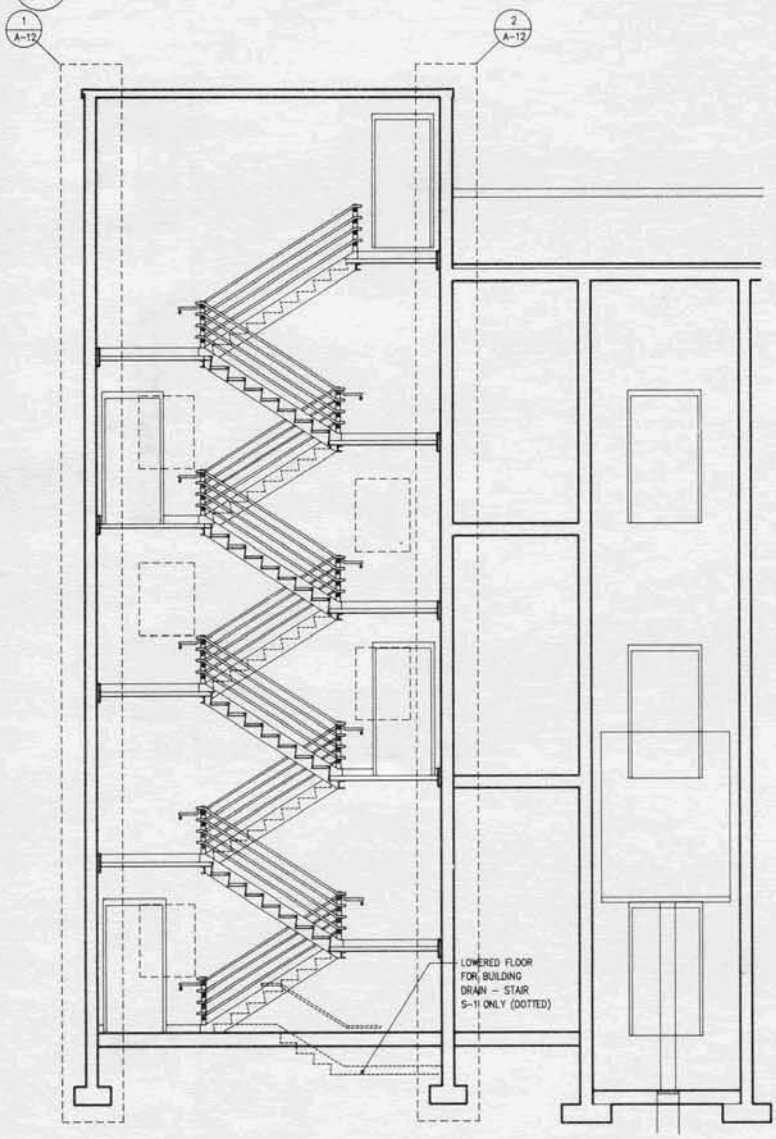
1 / A-14 STAIR PLAN LEVEL 300 (TYP)
SCALE: 1/4" = 1'-0"



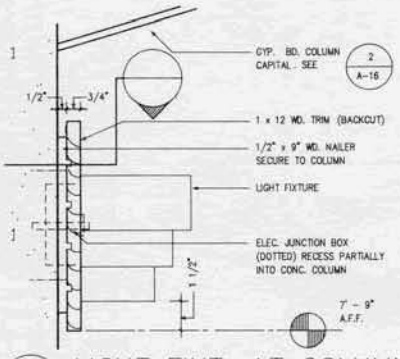
DETAIL
SCALE: 1 1/2" = 1'-0"



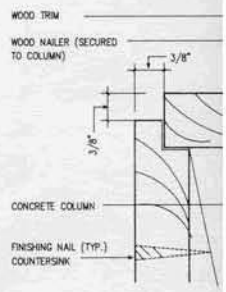
3 / A-14 SECTION @
SCALE: 3/4" = 1'-0"



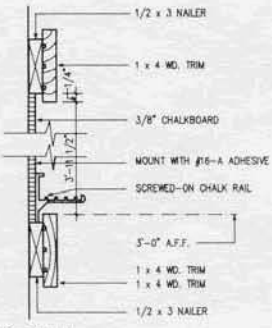
6 / A-14 FIRE STAIR SECTION
SCALE: 1/4" = 1'-0"



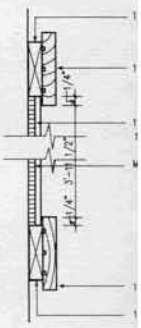
7 / A-14 LIGHT FIXT. AT COLUMN
SCALE: 3" = 1'-0"



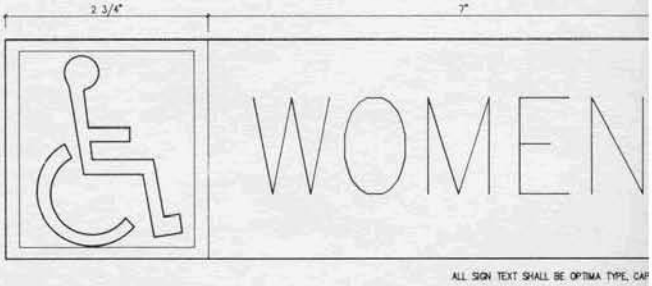
8 / A-14 CORNER DE
SCALE: 12" = 1'-0"



9 / A-14 DETAIL
SCALE: 3" = 1'-0"

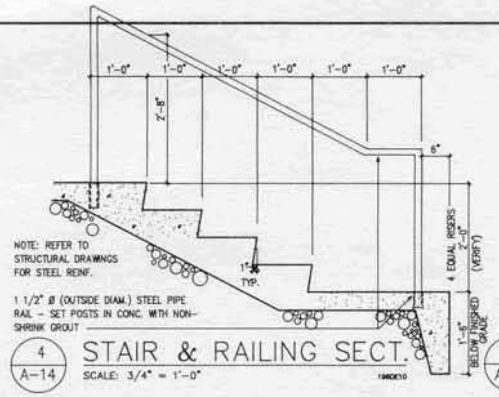


10 / A-14 DETAIL
SCALE: 3" = 1'-0"



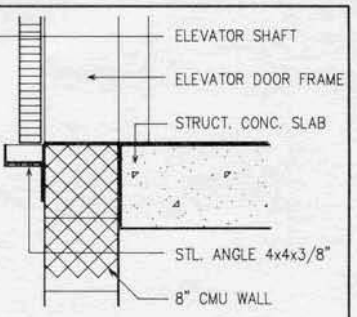
11 / A-14 SPECIALTY SIGNS
SCALE: 12" = 1'-0"

ALL SIGN TEXT SHALL BE OPTIMA TYPE, CAP
TEXT AND INTERNATIONAL SYMBOL OF ACCES
SHALL BE ETCHED INTO PLASTIC SIGN. EDG
TEXT, INTERNATIONAL SYMBOL OF ACCESSIBI
SYMBOL SHALL BE WHITE. BACKGROUND SH
ALL SIGNS SHALL CONFORM TO REQUIREMEN
NATIONAL STANDARD GUIDELINES



4 / A-14 STAIR & RAILING SECT.

SCALE: 3/4" = 1'-0"

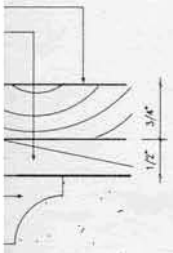


5 / A-14 SILL @ ELEV. DOOR

SCALE: 1 1/2" = 1'-0"

- 4" CONCRETE SLAB, SLOPE 1/4" : 12"
- RUNNING BOND PATTERN, TYPICAL
- 4" POROUS FILL
- COMPACTED FILL
- 2" ROUND PVC WEEPS AT 4'-0" O.C.
- SEE STRUCTURAL FOR REINFORCING STEEL

TERRACE



TAIL

x 3 NAILER

4 WD. TRIM

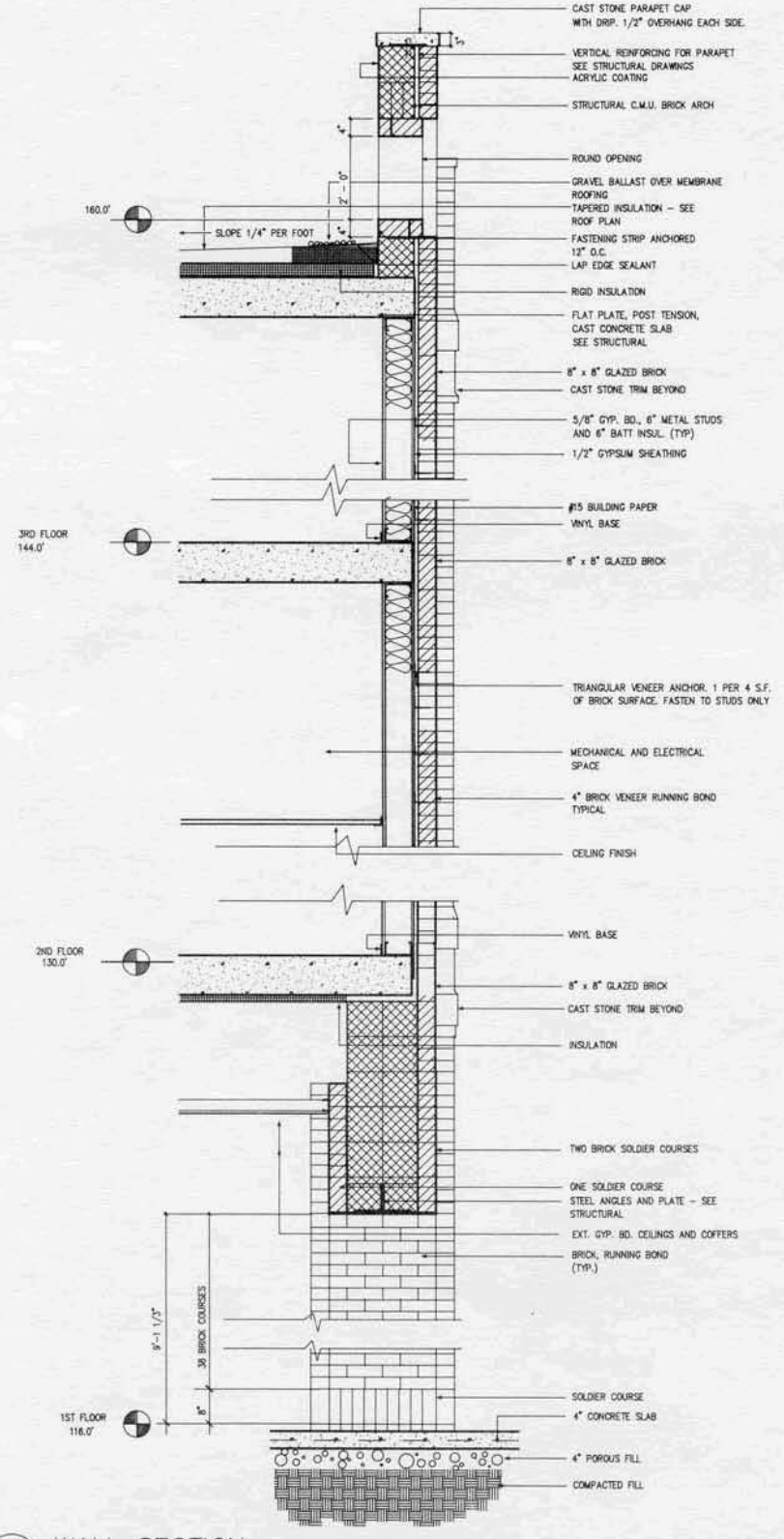
" BULLETIN BOARD ON " BACKING

UNT WITH #16-A ADHESIVE

4 WD. TRIM

x 3 NAILER

AL LETTERS
BILITY (WHERE REQUIRED)
OF SIGN SHALL BE EASED
Y, AND BORDER AROUND
L BE CONTRASTING COLOR
SPECIFIED IN AMERICAN



12 / A-14 WALL SECTION

SCALE: 3/4" = 1'-0"

MARY WASHINGTON COLLEGE LIBRARY

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DRAWN BY	KAB MRB
CHECKED	DMO TWB

VMDO ARCHITECTS
CHARLOTTESVILLE
NORFOLK

116 SECOND STREET NE
CHARLOTTESVILLE, VA.
(804) 296-5684

REVISIONS

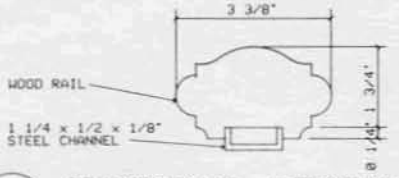
WALL SECTIONS
FIRE STAIR PLANS
DETAILS

SCALE	AS NOTED

A-14

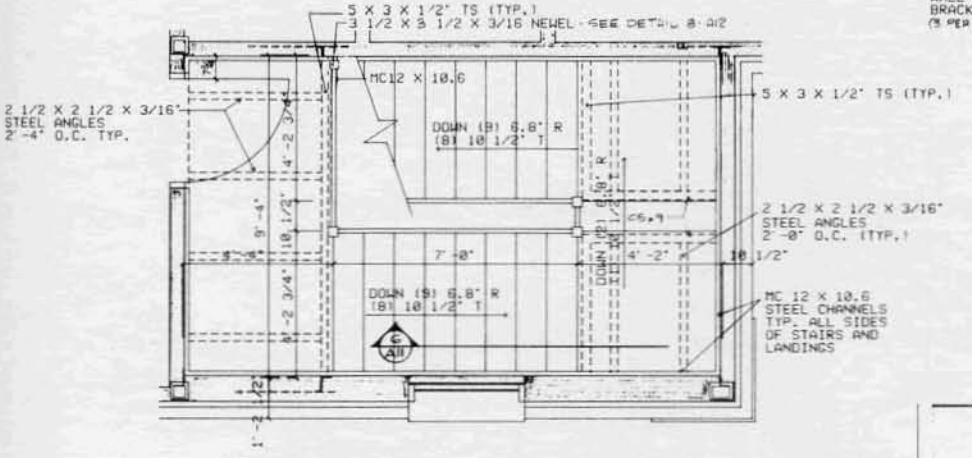
85196

DATE	8/29/86



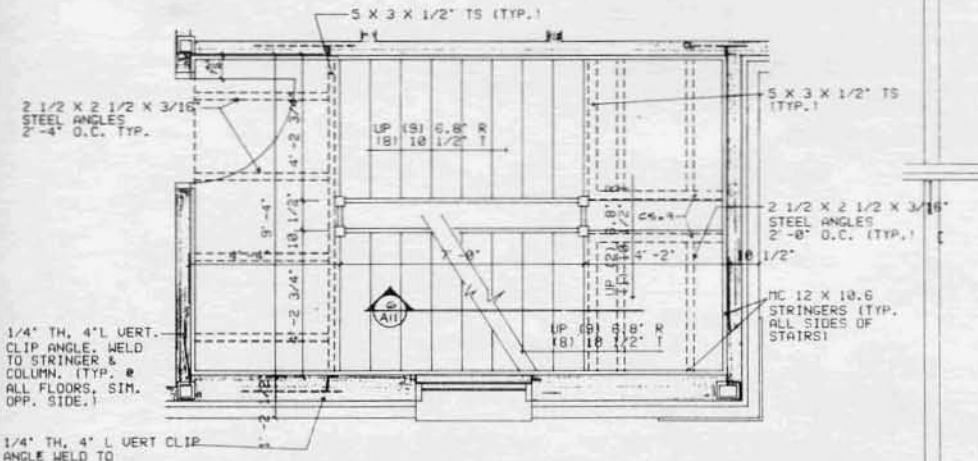
1 A11 HANDRAIL SECTION

HALF SCALE



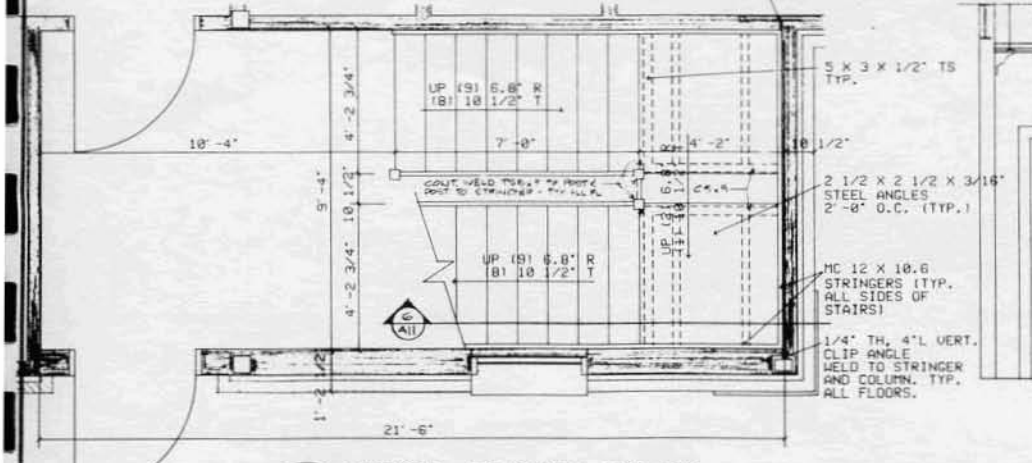
2 A11 THIRD FLOOR PLAN

SCALE: 3/8" = 1'-0"



3 A11 SECOND FLOOR PLAN

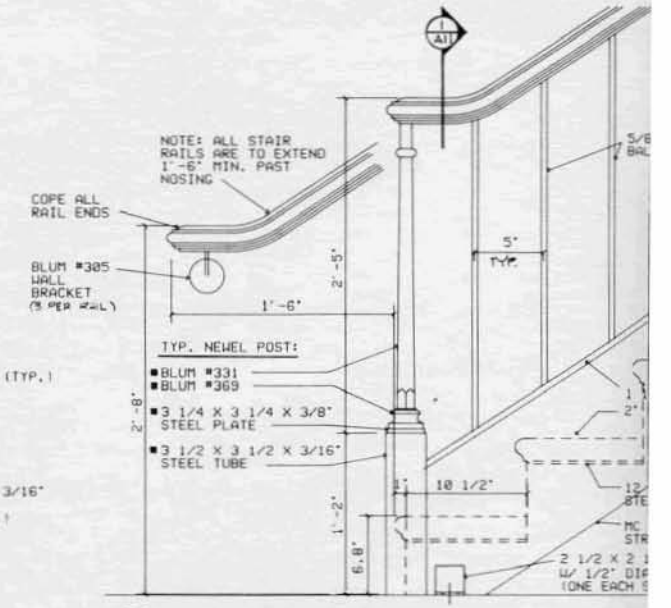
SCALE: 3/8" = 1'-0"



4 A11 FIRST FLOOR PLAN

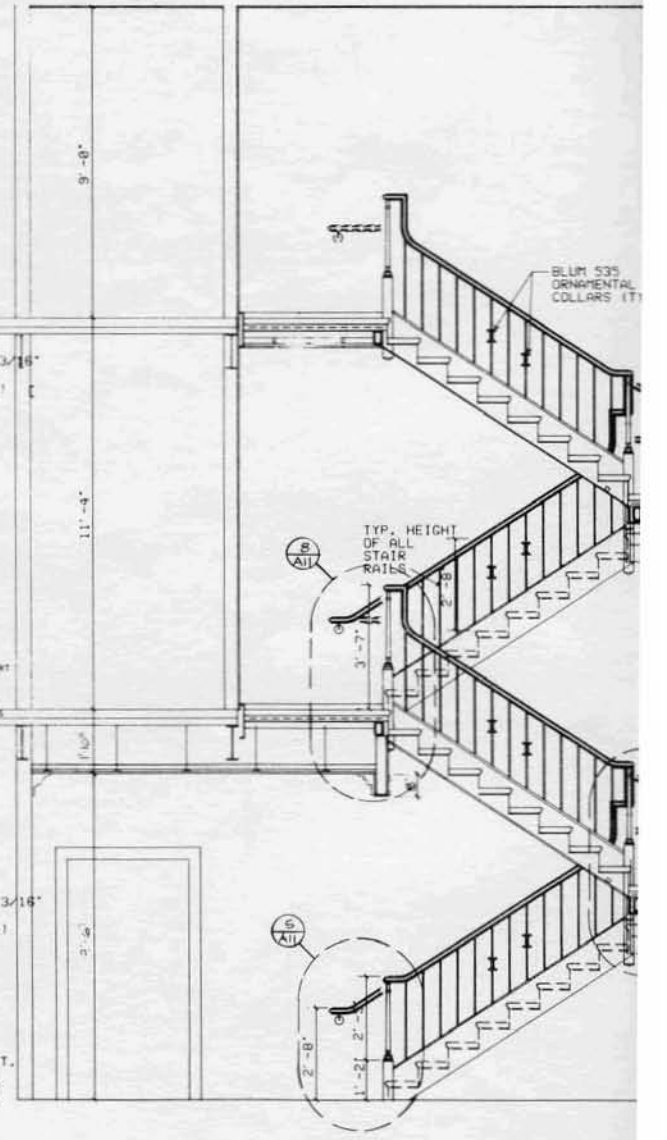
SCALE: 3/8" = 1'-0"

NOTE: ALL ENCLOSURE DIMS ARE NOMINAL & MUST BE ADJUSTED FOR ACTUAL WALL THICKNESS (TYP. BOTH STAIRS)



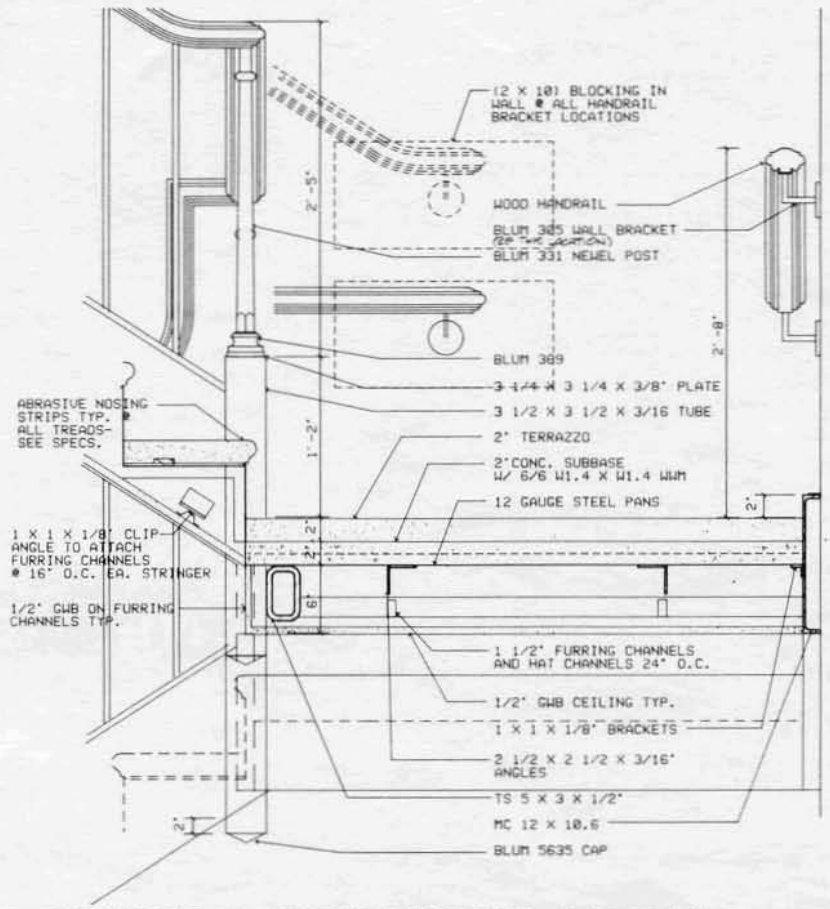
5 A11 STAIR SECTION @ BASE

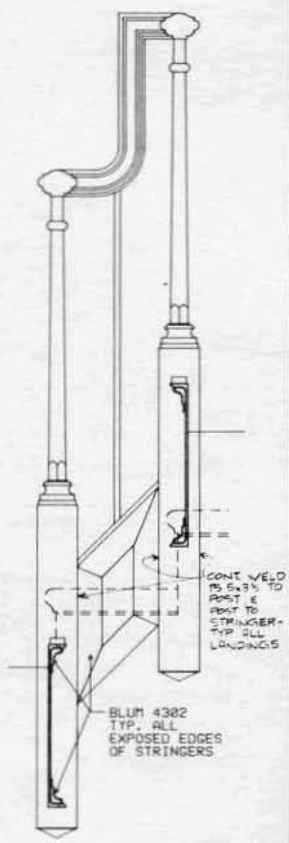
SCALE: 1 1/2" = 1'-0"



6 A11 STAIR SECTION

SCALE: 3/8" = 1'-0"

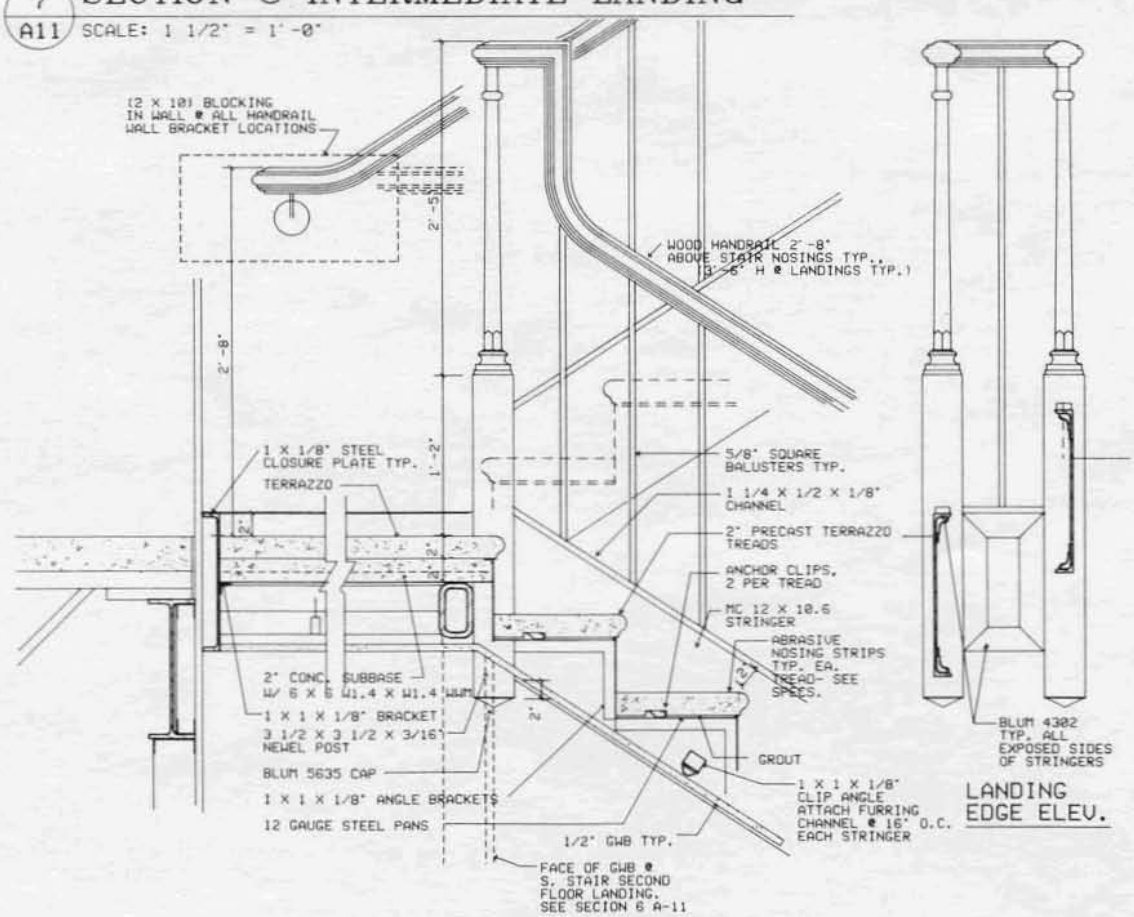




LANDING EDGE ELEVATION

7 / A11 SECTION @ INTERMEDIATE LANDING

SCALE: 1 1/2" = 1'-0"



LANDING EDGE ELEV.

8 / A11 SECTION @ FLOOR LANDING

SCALE: 1 1/2" = 1'-0"

REGISTERED ARCHITECTS NORTH CAROLINA

mckimmon \ edwards \ hitch architects

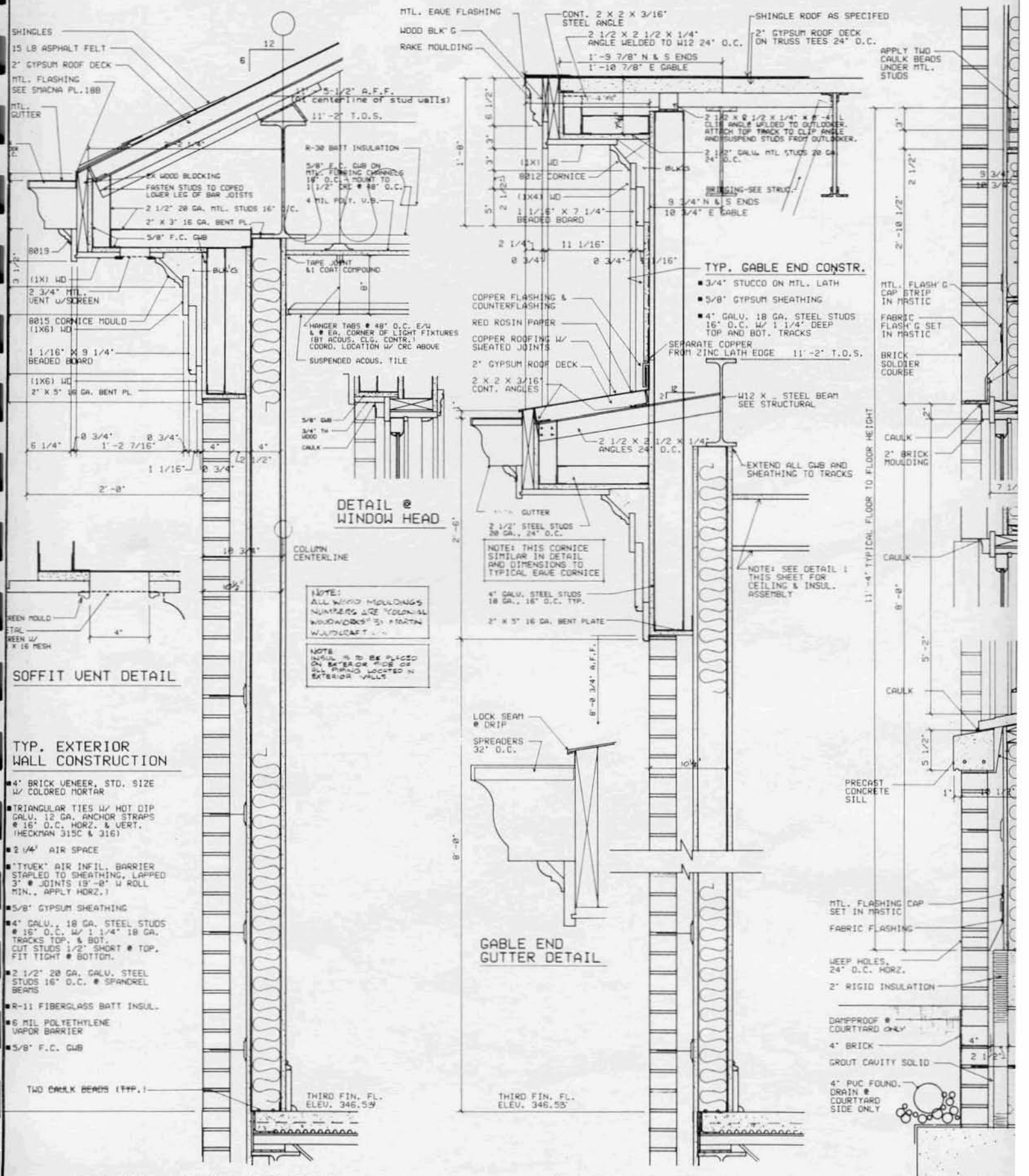
members american institute of architects
417 north boylan avenue raleigh, north carolina 27603

Davidson Residence Hall

Peace College Raleigh, NC

sheet number A11 of 13

date 4-25-96 drawn by WBS



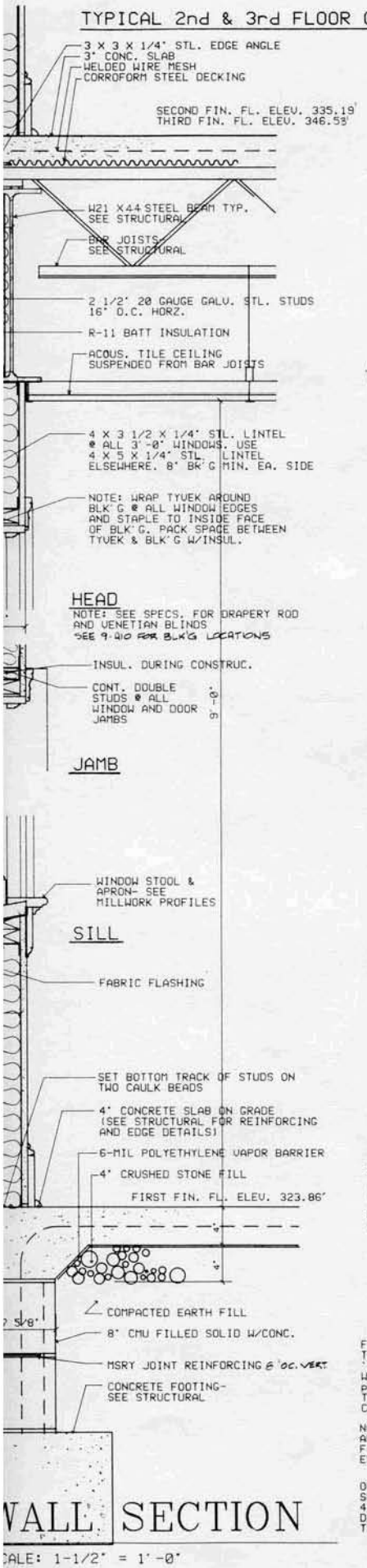
1 / A7 EAVE CORNICE

SCALE: 1-1/2" = 1'-0"

2 / A7 GABLE END

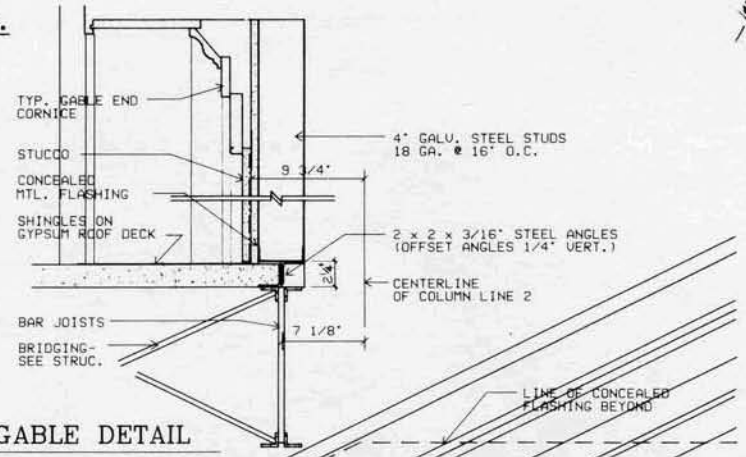
SCALE: 1-1/2" = 1'-0"

3 / A7



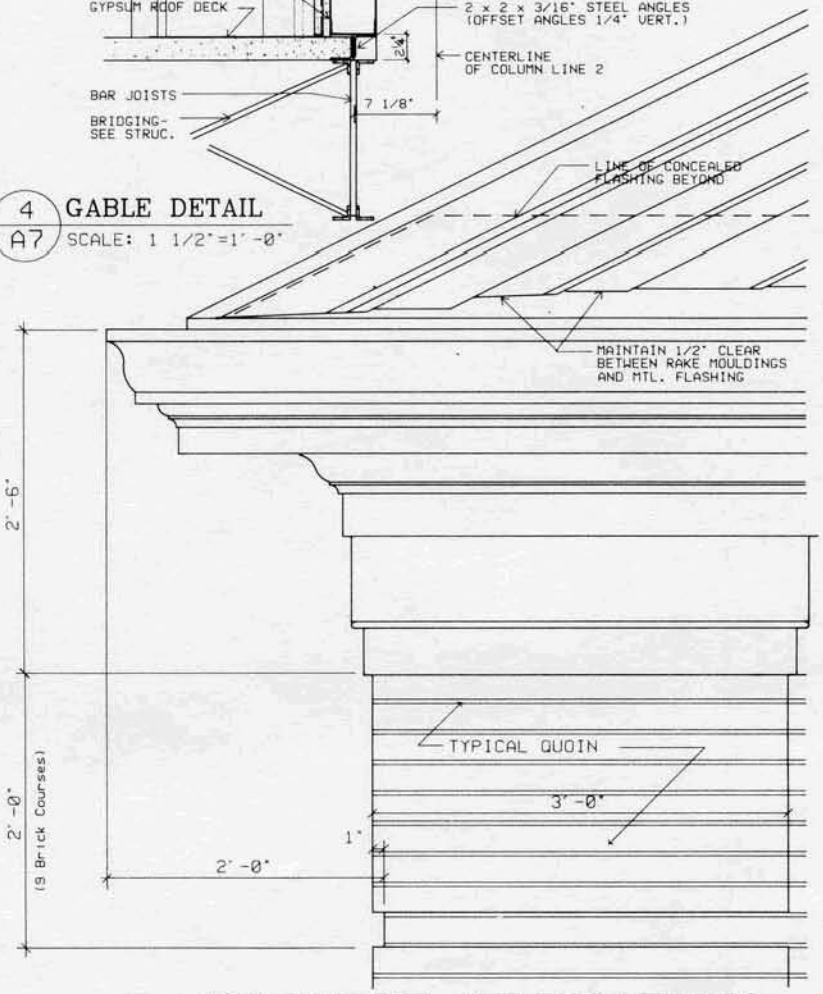
WALL SECTION

SCALE: 1-1/2" = 1'-0"



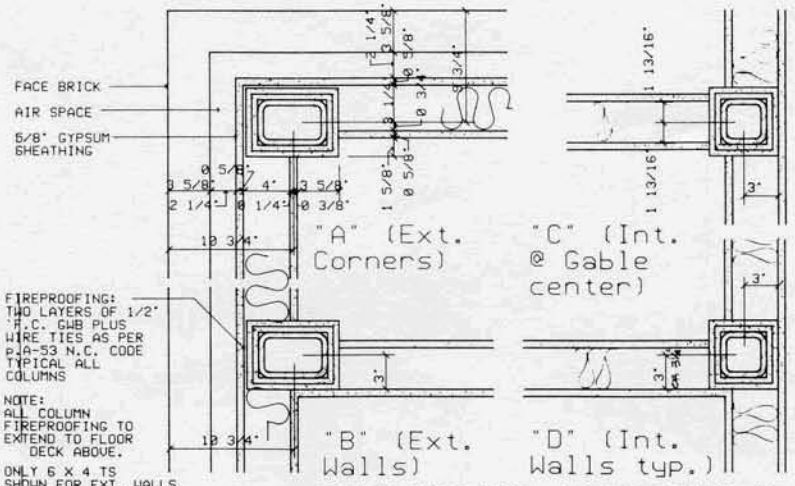
4 / A7 GABLE DETAIL

SCALE: 1 1/2"=1'-0"



5 / A7 CORNICE ELEVATION

SCALE: 1-1/2" = 1'-0"



6 / A7 COLUMN DETAILS

SCALE: 1-1/2" = 1'-0"

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members american institute of architects
417 north boylan avenue raleigh . north carolina 27603

Davidson Residence Hall

Peace College

Raleigh, NC

sheet number A7 of 13

date 4.26.86 drawn by WSS