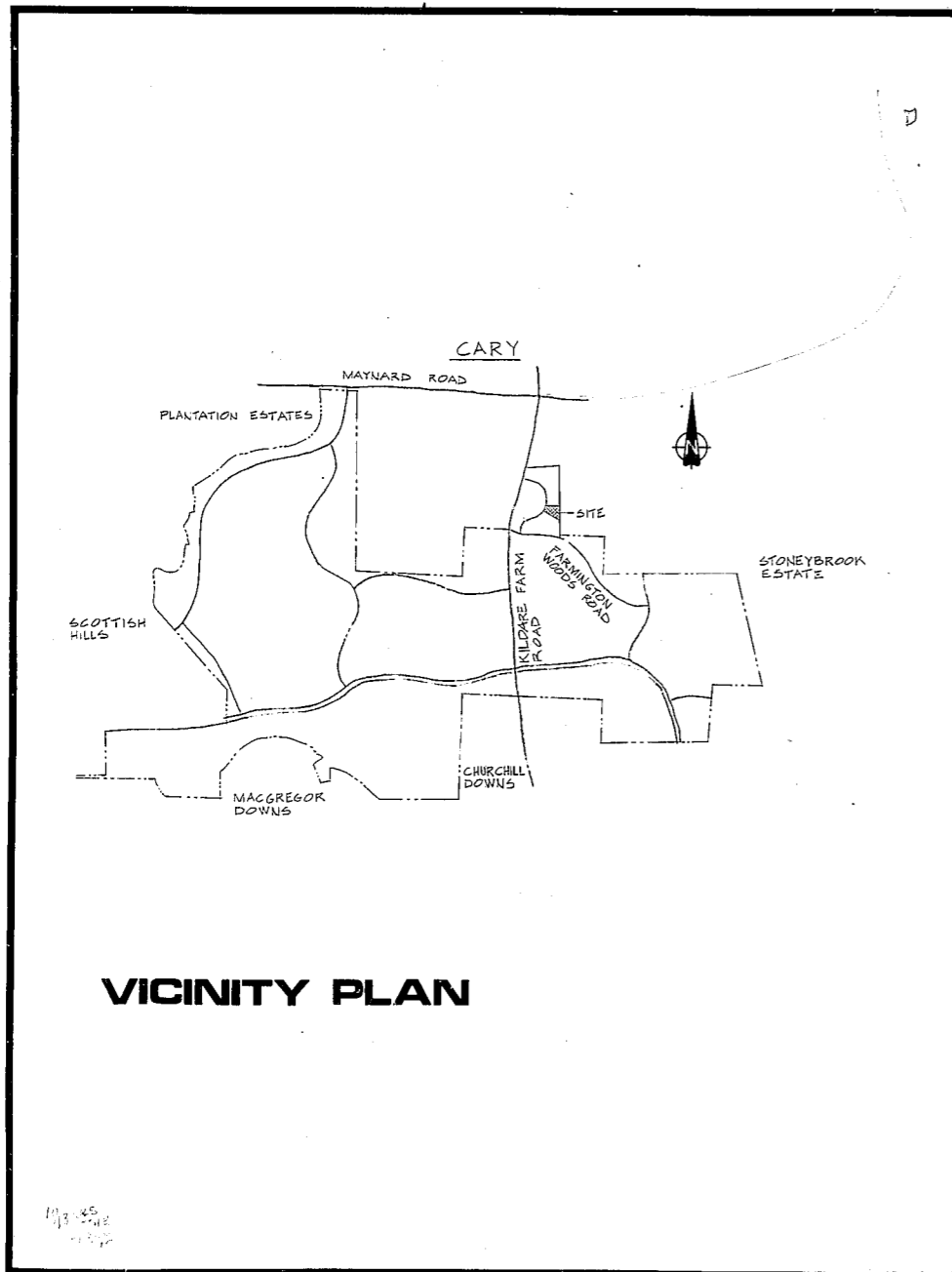


MARK EDWARDS STUDIOS

CARY, NORTH CAROLINA



ENERGY DATA

PROJECT DATA:

Occupancy Group B
 Thermal Zone II
 Building Gross Area 22,000 GSF
 Number of Stories 1

COOLING: BTU/Hr /GSF
 Building Heat Gain - including Outside Air 32.7
 Total Installed Terminal Cooling Capacity (Coils) 36.9
 Total Installed Primary Cooling Capacity (Compressors) 36.9

HEATING:
 Building Heat Loss - including Outside Air 2.6
 Total Installed Terminal Heating Capacity (Coils) 4.2
 Total Installed Primary Heating Capacity (Boilers, etc.) 4.2

LIGHTING:
 Total Lighting 4.72 W/GSF

NOTE: DUE TO SPECIAL USE OF BUILDING VS BUILDING SQUARE FOOTAGE, W/GSF EXCEEDS N.C. CODE ALLOWABLE.

BUILDING ENERGY PERFORMANCE CRITERIA - ENERGY SUMMARY:

LOAD	CONNECTED LOAD/GSF (W or BTU/Hr)	ENERGY CONSUMING LOAD/GSF (W or BTU/Hr)
Interior Lighting		
Decorative Exterior Lighting		
HVAC Auxiliaries		
Water Heating		
Heating/Cooling		
Swimming Pool Heating		
Humidification		
TOTAL		

Allocation from Table V

THERMAL ENVELOPE CRITERIA

Total Exterior Above - Grade Gross Wall Area (A_G) 1849 S.F.
 Total Glass Area (A_G) 213 S.F.
 Net Wall Area (A_W) 1636 S.F.
 Wall U-Value (U_W) 0.07 BTU/Hr - Ft² - °F [See Section for derivation of wall U-factor (U_W)]
 Glass U-Value (U_G) 0.65 BTU/Hr - Ft² - °F
 Glass Type DOUBLE
 Overall Wall U-Value (U_o) 0.13 BTU/Hr - Ft² - °F
 Roof Area (A_R) 2275 S.F.
 Roof U-Factor (U_R) 0.06 BTU/Hr - Ft² - °F
 Total Floor Area over Unheated Space (A_f) N/A S.F.
 Floor U-Value (U_f) N/A BTU/Hr - Ft² - °F
 Slab-on-grade edge insulation ("R" Value) 5.13

DESIGNER'S STATEMENT:

To the best of my knowledge and belief, the design of this building complies with the applicable requirements of Chapter 32 of the North Carolina State Building Code.

Date 5-17-87 Signed [Signature]
 Name JAMES C. BUIE, AIA
 Title PRESIDENT
JAMES C. BUIE ARCHITECT INC.

OWNER-SPONSOR

MARK EDWARDS STUDIO
 134 W. CHATHAM ST.
 CARY, N.C. 27511

PHONE: (919) 467-3070

ARCHITECT

JAMES C BUIE
 ARCHITECT INC
 SUITE 115 3700 NATIONAL DRIVE RALEIGH N.C. 27612 919 781 4873

ENGINEER

CHARLES D WILLIAMS
 3605 TURNBRIDGE DR
 RALEIGH, NC 27809

PHONE: (919) 782-1855

SECTION 15-8 REQUIRES: "THESE APPROVED PLANS MUST BE KEPT ON THE JOB SITE AT ALL TIMES UNTIL THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY."

PLANS RECEIVED BY THE CITY OF CARY, N.C. INSPECTION DIVISION 5-17-87

ITEM	Submittal	Approved	Reviewed	H.D.F.G.
1. Approved				
2. Approved as Noted				
3. Disapproval				
4. Date				

SYMBOLS

EARTH	FINISHED WOOD
CRUSHED STONE	WOOD BLOCKING
CONCRETE	PLYWOOD
CONCRETE MASONRY UNIT	STUD WALL PARTITION
BRICK	RIGID INSULATION
STEEL - LARGE SCALE	BATT INSULATION
STONE	
SECTION INDICATOR section number sheet number	COLUMN LINE INDICATOR
ELEVATION INDICATOR elevation number sheet number	FINISH NUMBER
DETAIL INDICATOR detail number sheet number	DOOR NUMBER
	WINDOW TYPE
	ELEVATION INDICATOR

INDEX

L-1	SITE PLAN
S-1	FOUNDATION PLAN
S-2	ROOF FRAMING PLAN
A-1	FLOOR PLAN
A-2	EXTERIOR ELEVATIONS
A-3	FINISHING ROOM PLAN & ELEVATIONS
A-4	DARK ROOM PLAN & ELEVATIONS
A-5	BUILDING SECTION
A-6	WALL SECTIONS & DETAILS
P-1	PLUMBING PLAN
M-1	HEATING & AC PLAN
E-1	POWER & LIGHTING PLAN