

**WILLIAM PATERSON COLLEGE
300 POMPTON ROAD
WAYNE, NEW JERSEY 07470**

W. Garro, P. E., P. P.
W. Bendixen, A. I. A., P. P.
J. Murphy, R. A.
927 (201) 984-5121

BUILDING DATA

COLLECTION	SOILS AND ROCKS	CLIMATE	MOISTURE
See Group	Section 110.0	M-3 (Seasonally)	M-3 (Seasonally)
Construction Classification	Table 401	3B	1B
Building Area	Table 501	6,400 sq ft 4,991 sq ft	6,400 sq ft 4,048 sq ft 8,775 sq ft
Allowed Building Area			
Total Building Area			
Building Material	Table 603	2 at 30' - 0"	2 at 30' - 0"
Foundation Material		211' - 4"	128' - 4"
Normal Height		15 ft max	15 ft max
Placer Area Per Compartment	Table 806		
Maximum Occupancy		275 Persons	275 Persons
Maximum Spread (Feet)	Table 807.5	200' - 0"	200' - 0"
Spread Width Per Compartment	Table 808.2	0.2 inches	0.2 inches
Maximum Number of Units	Table 909.2	2	2
Inspector Field Requirements	Table 923.5		
Inspector License Requirements		1	1
Site Access Certificate		1	1
Owner or Licensed Agents		111	111
Lobby Area			
Fire Suppression System	Section 1007.6	--	Unlisted Area
Standby System	Section 1023.6	--	Not Specified
Alarm Signaling System	Section 1818.0	--	Not Specified
Fire Detection System	Section 1817.0	--	Not Specified
Placed Live Loads	Table 1106		160 psf

T-1	TITLE SHEET
S-1	CAMPUS PLAN, LOCATION MAP
S-2	LANDSCAPE PLAN, SITE DETAILS
S-3	SOIL EROSION & SEDIMENT CONTROL
A-1	FOUNDATION PLAN, DETAILS
A-2	OVERALL BUILDING PLAN, WALL TYPES
A-3	PARTIAL FLOOR PLAN
A-4	BUILDING ELEVATIONS
A-5	BUILDING SECTIONS, DETAILS
A-6	POOR FRAMING PLAN, DETAILS
A-7	DOOR SCHEDULE, DETAILS
A-8	INTERIOR BUILDING ELEVATIONS
A-9	INTERIOR BUILDING ELEVATIONS
A-10	FINISH SCHEDULE, DETAILS & NOTES
A-11	
P-1	PLUMBING FLOOR PLAN, RISER SCHEMATIC
P-2	PLUMBING SCHEDULES & DETAILS
P-3	PLUMBING DETAILS & NOTES
M-1	HVAC FLOOR PLAN
M-2	HVAC DETAILS & NOTES
M-3	HVAC SCHEDULES & DETAILS
E-1	ELECTRICAL LIGHTING & FIRE ALARM PLAN
E-2	ELECTRICAL POWER PLAN & SCHEDULE

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL CONSTRUCTION CODE OR THE CODES OF THE DISTRICT.

ALL CONSTRUCTION SHALL INCLUDE ALL REQUIRED CUTTING AND PATCHING FOR HIS OWN WORK. THE CONTRACTOR SHALL INCLUDE ALL MATERIALS AND SUPPLIES REQUIRED FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, STRUCTURES, CURBS, SIDEWALKS, DRIVE AND PAVEMENT, TERRAZZOS, ETC.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL CONSTRUCTION CODE OR THE CODES OF THE DISTRICT.

ALL CONSTRUCTION SHALL INCLUDE ALL REQUIRED CUTTING AND PATCHING FOR HIS OWN WORK. THE CONTRACTOR SHALL INCLUDE ALL MATERIALS AND SUPPLIES REQUIRED FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, STRUCTURES, CURBS, SIDEWALKS, DRIVE AND PAVEMENT, TERRAZZOS, ETC.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL CONSTRUCTION CODE OR THE CODES OF THE DISTRICT.

ALL CONSTRUCTION SHALL INCLUDE ALL REQUIRED CUTTING AND PATCHING FOR HIS OWN WORK. THE CONTRACTOR SHALL INCLUDE ALL MATERIALS AND SUPPLIES REQUIRED FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, STRUCTURES, CURBS, SIDEWALKS, DRIVE AND PAVEMENT, TERRAZZOS, ETC.

CONTRACTORS WILL HAVE BEEN SHOWN IN THE MATERIALS APPENDED BY THE AGENCY TO RECORD BEFORE PROCEEDING WITH ANY FURTHER WORK ON REDUCTION OF THE SLOPE OF THE BANK DRAINAGE.

EXISTING DIMENSIONS AND ELEVATIONS WILL HAVE BEEN OBTAINED THROUGH BORING OR PILES. CERTAIN ACTUAL DIMENSIONS EXISTING FOUNDATIONS SHOULD BE OBTAINED THROUGH CONSTRUCTION OF A BOLT SHOT DRILL.

COORDINATE ALL ELEVATIONS OF THE EXISTING STRUCTURE WITH THE CORNER AND THE ADJACENT. INDICATE THAT THE STRUCTURE IS THE EXISTING BUILDING AND THE WORK IS PERFORMED BY THE RECONSTRUCTION OF THE EXISTING CONSTRUCTION AS REQUIRED.

EXISTENCE AND PROPOSED

ALL OPERATING WELLS, LOCOS, BOGGS, ETC., TO BE LOCATED AND SIZED IN THE UNUSUAL TALL REQUIREMENTS ARE AROUND THE FIRE, THE PULP, MEDICAL, AND ELECTRICAL ANALYSIS.

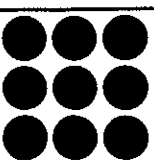
THE CONSTRUCTION SHALL BE ACCORDING TO THE FOLLOWING AND OTHER DETAILS, 1917-18, 1918-19, 1919-20, 1920-21, 1921-22, 1922-23, 1923-24, 1924-25, 1925-26, 1926-27, 1927-28, 1928-29, 1929-30, 1930-31, 1931-32, 1932-33, 1933-34, 1934-35, 1935-36, 1936-37, 1937-38, 1938-39, 1939-40, 1940-41, 1941-42, 1942-43, 1943-44, 1944-45, 1945-46, 1946-47, 1947-48, 1948-49, 1949-50, 1950-51, 1951-52, 1952-53, 1953-54, 1954-55, 1955-56, 1956-57, 1957-58, 1958-59, 1959-60, 1960-61, 1961-62, 1962-63, 1963-64, 1964-65, 1965-66, 1966-67, 1967-68, 1968-69, 1969-70, 1970-71, 1971-72, 1972-73, 1973-74, 1974-75, 1975-76, 1976-77, 1977-78, 1978-79, 1979-80, 1980-81, 1981-82, 1982-83, 1983-84, 1984-85, 1985-86, 1986-87, 1987-88, 1988-89, 1989-90, 1990-91, 1991-92, 1992-93, 1993-94, 1994-95, 1995-96, 1996-97, 1997-98, 1998-99, 1999-00, 2000-01, 2001-02, 2002-03, 2003-04, 2004-05, 2005-06, 2006-07, 2007-08, 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15, 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22, 2022-23, 2023-24, 2024-25, 2025-26, 2026-27, 2027-28, 2028-29, 2029-30, 2030-31, 2031-32, 2032-33, 2033-34, 2034-35, 2035-36, 2036-37, 2037-38, 2038-39, 2039-40, 2040-41, 2041-42, 2042-43, 2043-44, 2044-45, 2045-46, 2046-47, 2047-48, 2048-49, 2049-50, 2050-51, 2051-52, 2052-53, 2053-54, 2054-55, 2055-56, 2056-57, 2057-58, 2058-59, 2059-60, 2060-61, 2061-62, 2062-63, 2063-64, 2064-65, 2065-66, 2066-67, 2067-68, 2068-69, 2069-70, 2070-71, 2071-72, 2072-73, 2073-74, 2074-75, 2075-76, 2076-77, 2077-78, 2078-79, 2079-80, 2080-81, 2081-82, 2082-83, 2083-84, 2084-85, 2085-86, 2086-87, 2087-88, 2088-89, 2089-90, 2090-91, 2091-92, 2092-93, 2093-94, 2094-95, 2095-96, 2096-97, 2097-98, 2098-99, 2099-00, 2100-01, 2101-02, 2102-03, 2103-04, 2104-05, 2105-06, 2106-07, 2107-08, 2108-09, 2109-10, 2110-11, 2111-12, 2112-13, 2113-14, 2114-15, 2115-16, 2116-17, 2117-18, 2118-19, 2119-20, 2120-21, 2121-22, 2122-23, 2123-24, 2124-25, 2125-26, 2126-27, 2127-28, 2128-29, 2129-30, 2130-31, 2131-32, 2132-33, 2133-34, 2134-35, 2135-36, 2136-37, 2137-38, 2138-39, 2139-40, 2140-41, 2141-42, 2142-43, 2143-44, 2144-45, 2145-46, 2146-47, 2147-48, 2148-49, 2149-50, 2150-51, 2151-52, 2152-53, 2153-54, 2154-55, 2155-56, 2156-57, 2157-58, 2158-59, 2159-60, 2160-61, 2161-62, 2162-63, 2163-64, 2164-65, 2165-66, 2166-67, 2167-68, 2168-69, 2169-70, 2170-71, 2171-72, 2172-73, 2173-74, 2174-75, 2175-76, 2176-77, 2177-78, 2178-79, 2179-80, 2180-81, 2181-82, 2182-83, 2183-84, 2184-85, 2185-86, 2186-87, 2187-88, 2188-89, 2189-90, 2190-91, 2191-92, 2192-93, 2193-94, 2194-95, 2195-96, 2196-97, 2197-98, 2198-99, 2199-00, 2200-01, 2201-02, 2202-03, 2203-04, 2204-05, 2205-06, 2206-07, 2207-08, 2208-09, 2209-10, 2210-11, 2211-12, 2212-13, 2213-14, 2214-15, 2215-16, 2216-17, 2217-18, 2218-19, 2219-20, 2220-21, 2221-22, 2222-23, 2223-24, 2224-25, 2225-26, 2226-27, 2227-28, 2228-29, 2229-30, 2230-31, 2231-32, 2232-33, 2233-34, 2234-35, 2235-36, 2236-37, 2237-38, 2238-39, 2239-40, 2240-41, 2241-42, 2242-43, 2243-44, 2244-45, 2245-46, 2246-47, 2247-48, 2248-49, 2249-50, 2250-51, 2251-52, 2252-53, 2253-54, 2254-55, 2255-56, 2256-57, 2257-58, 2258-59, 2259-60, 2260-61, 2261-62, 2262-63, 2263-64, 2264-65, 2265-66, 2266-67, 2267-68, 2268-69, 2269-70, 2270-71, 2271-72, 2272-73, 2273-74, 2274-75, 2275-76, 2276-77, 2277-78, 2278-79, 2279-80, 2280-81, 2281-82, 2282-83, 2283-84, 2284-85, 2285-86, 2286-87, 2287-88, 2288-89, 2289-90, 2290-91, 2291-92, 2292-93, 2293-94, 2294-95, 2295-96, 2296-97, 2297-98, 2298-99, 2299-00, 2300-01, 2301-02, 2302-03, 2303-04, 2304-05, 2305-06, 2306-07, 2307-08, 2308-09, 2309-10, 2310-11, 2311-12, 2312-13, 2313-14, 2314-15, 2315-16, 2316-17, 2317-18, 2318-19, 2319-20, 2320-21, 2321-22, 2322-23, 2323-24, 2324-25, 2325-26, 2326-27, 2327-28, 2328-29, 2329-30, 2330-31, 2331-32, 2332-33, 2333-34, 2334-35, 2335-36, 2336-37, 2337-38, 2338-39, 2339-40, 2340-41, 2341-42, 2342-43, 2343-44, 2344-45, 2345-46, 2346-47, 2347-48, 2348-49, 2349-50, 2350-51, 2351-52, 2352-53, 2353-54, 2354-55, 2355-56, 2356-57, 2357-58, 2358-59, 2359-60, 2360-61, 2361-62, 2362-63, 2363-6

THE GENERAL CONTRIBUTION SHALL COVER THE GENERAL CONTRIBUTOR SHALL COVER ALL OTHERS, CHARGES, COMMISSIONS, FEES, ETC., AFTER INSTALLATION HAS BEEN COMPLETED.

IF THE EXISTING CONTRACTOR FAILS TO FURNISH THE INFORMATION AS ABOVE REQUESTED, THE AIA WILL BE OBLIGATED TO RECOVER THE COST OF INVESTIGATION AND PREPARING AND SHALL REDUCE THE GENERAL CONTRIBUTION FOR SUCH WORK.

ALICE GILBERTSON

**WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY**



UFD

William Giers, F.E., F.P.
16268
C-42411
Norton Bendixen, A.I.A., P.P.
C-3985
John Murphy, A.A.

The
PRB
Group
ARCHITECTS • ENGINEERS • PLANNERS

Drawing Title

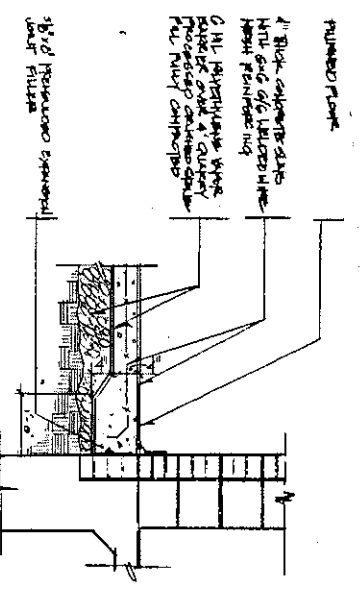
TITLE SHEET

Date: 8-2-77

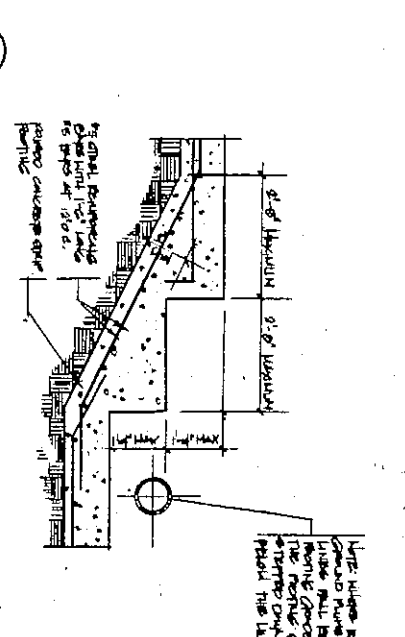
Donna De/De

Job No: A 021

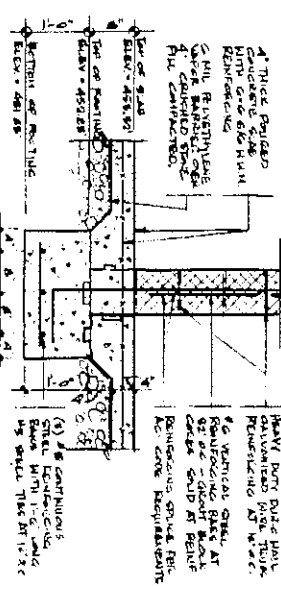
一



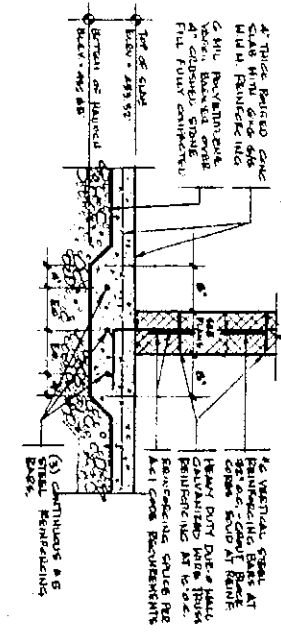
A HAUNCHED SLAB AT EXISTING WALL 1/2" x 1'-0"



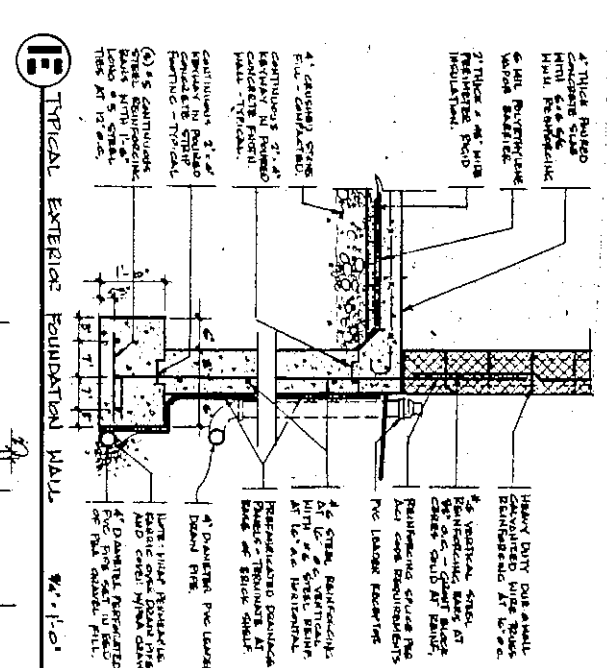
C TYPICAL STEPPED FOOTING DETAIL 1/2" x 1'-0"



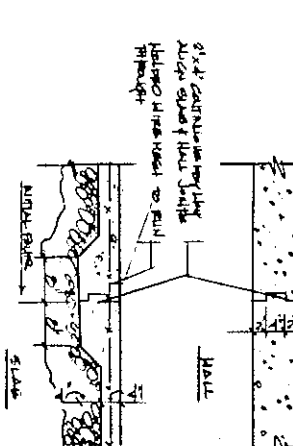
B TYPICAL FOOTING AT CMU BEARING WALLS 1/2" x 1'-0"



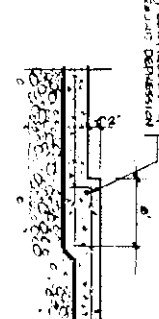
D TYPICAL HAUNCHED AT CMU NON-BEARING WALLS 1/2" x 1'-0"



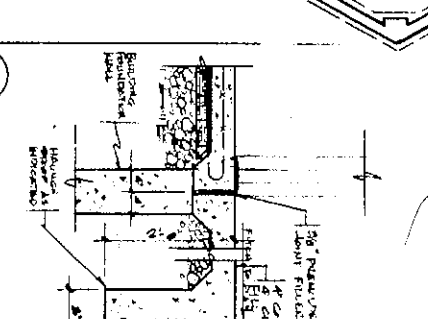
E TYPICAL EXTERIOR FOUNDATION WALL 1/2" x 1'-0"



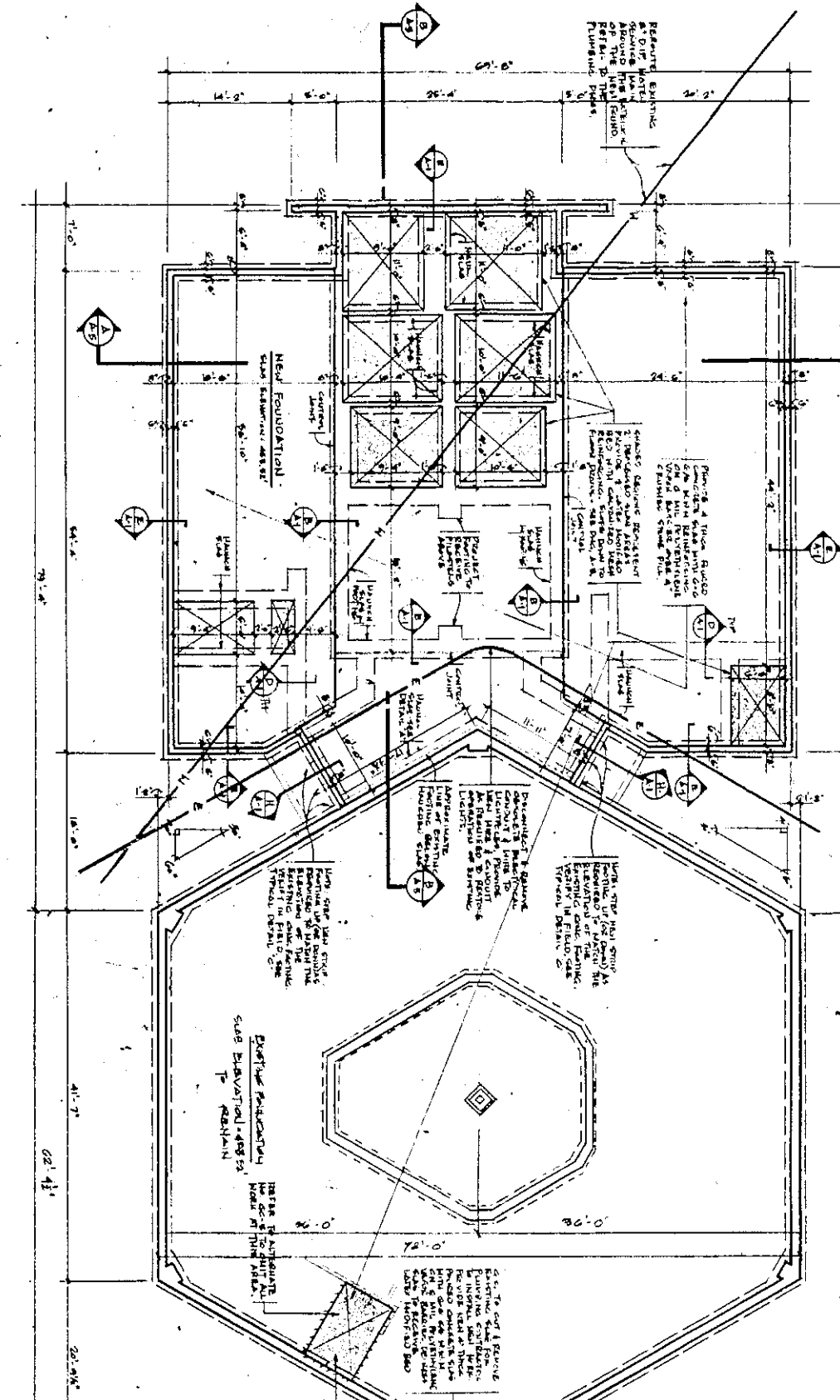
F CONTROL JOINT DETAILS



G SLAB DEPRESSION DETAIL



H CONCRETE STRIP DETAIL



Foundation plan
Scale: 1/8" = 1'-0"

UPPC
WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY

THE RBA GROUP
ARCHITECTS • ENGINEERS • PLANNERS
1. Englewood Place P.O. Box 1027
Millington, New Jersey 07962-1027
(201) 964-5121 Fax (201) 964-9472

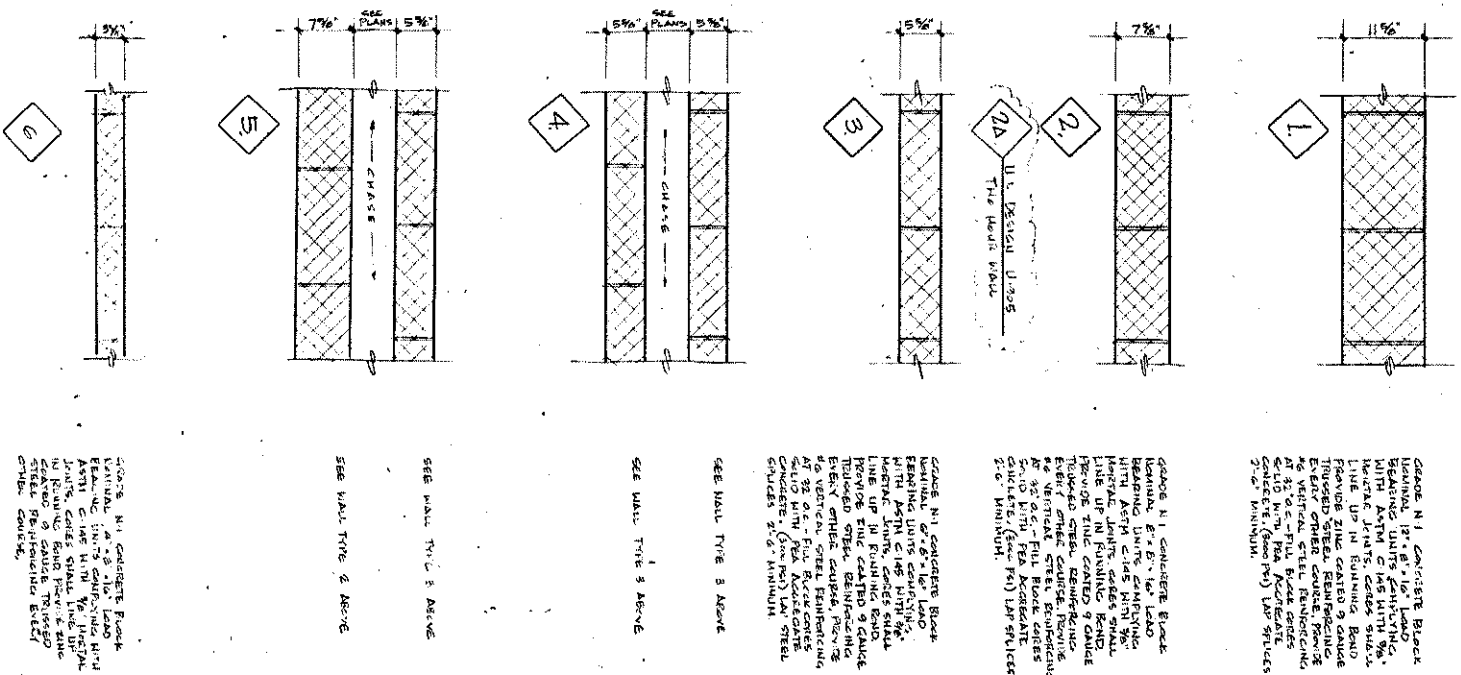
UPPC
WILLIAM PATERSON COLLEGE
10200
C-4241
C-3885

FOUNDATION PLAN DETAILS
Date: 5-2-93
Scale: 1/8" = 1'-0"
Drawn: MCF
Checked: BJ
Job No: 90073-00
Drawing No: 1

NOTES:
1. Foundation walls shall be constructed of 12" thick concrete with 4" minimum clear cover. All reinforcement shall be placed in the walls in accordance with the following:
a. Vertical reinforcement shall be placed at 12" on center.
b. Horizontal reinforcement shall be placed at 12" on center.
c. All reinforcement shall be lap spliced in accordance with the following:
i. Lap splices shall be staggered.
ii. Lap splices shall be placed in the middle of the span.
iii. Lap splices shall be placed in the middle of the span.
2. Foundation slabs shall be constructed of 12" thick concrete with 4" minimum clear cover. All reinforcement shall be placed in the slabs in accordance with the following:
a. Vertical reinforcement shall be placed at 12" on center.
b. Horizontal reinforcement shall be placed at 12" on center.
c. All reinforcement shall be lap spliced in accordance with the following:
i. Lap splices shall be staggered.
ii. Lap splices shall be placed in the middle of the span.
iii. Lap splices shall be placed in the middle of the span.
3. Foundation walls shall be finished with a smooth finish.
4. Foundation slabs shall be finished with a smooth finish.
5. Foundation walls shall be painted with a white paint.
6. Foundation slabs shall be painted with a white paint.
7. Foundation walls shall be painted with a white paint.
8. Foundation slabs shall be painted with a white paint.
9. Foundation walls shall be painted with a white paint.
10. Foundation slabs shall be painted with a white paint.

TYPICAL WALL TYPES

1" = 1'-0"



GRADE N-1 CONCRETE BLOCK
REINFORCING UNITS SHALL BE
WITH ASTM A618 WITH 1/2"
LINE UP IN FOLLOWING BAND
PROVIDE 2" MIN. GROUND
THICKNESS. REINFORCING
UNITS SHALL BE 1/2" DIA.
AT 3' O.C. - FULL BLOCK CORERS
SHALL BE 1/2" DIA. CORERS
2" MIN. THICK.

GRADE N-1 CONCRETE BLOCK
REINFORCING UNITS SHALL BE
WITH ASTM A618 WITH 1/2"
LINE UP IN FOLLOWING BAND
PROVIDE 2" MIN. GROUND
THICKNESS. REINFORCING
UNITS SHALL BE 1/2" DIA.
AT 3' O.C. - FULL BLOCK CORERS
SHALL BE 1/2" DIA. CORERS
2" MIN. THICK.

GRADE N-1 CONCRETE BLOCK
REINFORCING UNITS SHALL BE
WITH ASTM A618 WITH 1/2"
LINE UP IN FOLLOWING BAND
PROVIDE 2" MIN. GROUND
THICKNESS. REINFORCING
UNITS SHALL BE 1/2" DIA.
AT 3' O.C. - FULL BLOCK CORERS
SHALL BE 1/2" DIA. CORERS
2" MIN. THICK.

GRADE N-1 CONCRETE BLOCK
REINFORCING UNITS SHALL BE
WITH ASTM A618 WITH 1/2"
LINE UP IN FOLLOWING BAND
PROVIDE 2" MIN. GROUND
THICKNESS. REINFORCING
UNITS SHALL BE 1/2" DIA.
AT 3' O.C. - FULL BLOCK CORERS
SHALL BE 1/2" DIA. CORERS
2" MIN. THICK.

GRADE N-1 CONCRETE BLOCK
REINFORCING UNITS SHALL BE
WITH ASTM A618 WITH 1/2"
LINE UP IN FOLLOWING BAND
PROVIDE 2" MIN. GROUND
THICKNESS. REINFORCING
UNITS SHALL BE 1/2" DIA.
AT 3' O.C. - FULL BLOCK CORERS
SHALL BE 1/2" DIA. CORERS
2" MIN. THICK.

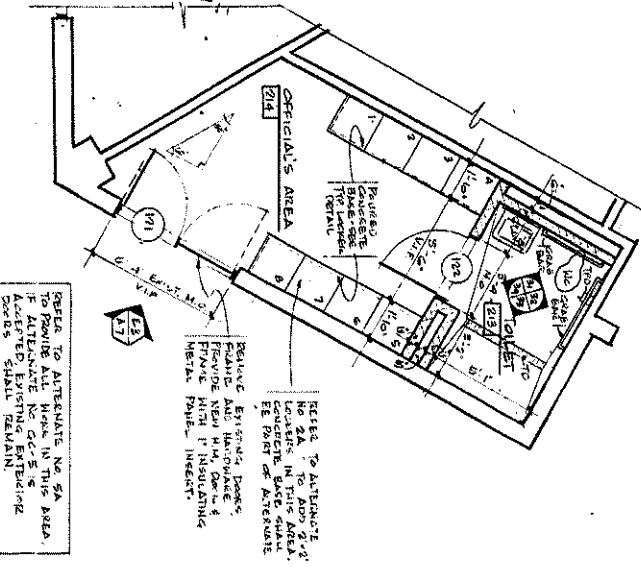
GRADE N-1 CONCRETE BLOCK
REINFORCING UNITS SHALL BE
WITH ASTM A618 WITH 1/2"
LINE UP IN FOLLOWING BAND
PROVIDE 2" MIN. GROUND
THICKNESS. REINFORCING
UNITS SHALL BE 1/2" DIA.
AT 3' O.C. - FULL BLOCK CORERS
SHALL BE 1/2" DIA. CORERS
2" MIN. THICK.

MASONRY OPENING LINTEL NOTES

- The contractor shall install precast concrete lintels in all areas where masonry is required to be installed over concrete masonry units. At the option of the contractor, precast concrete lintels may be used in lieu of steel lintels specified below. Refer to the plans for specific locations where precast concrete lintels are required.
- All precast concrete lintels shall conform to the following requirements:
 - Wall Thickness: 6" - 8"
 - Maximum Lintel Span: 6'-0" - 8'-0"
 - Minimum Lintel Depth: 12" - 18"
 - Reinforcing (Top): (2) #4, (2) #4
 - Reinforcing (Bottom): (2) #4, (2) #4
- All precast concrete lintels shall bear a minimum of 8 inches on each end, below bearing points.
- All precast concrete lintels shall be fabricated from concrete with a minimum compressive strength of 3,000 PSI. All steel reinforcing bars shall conform to ASTM A 615, Grade 60.
- Unless otherwise specified, the contractor shall use steel lintels at all requirements. All steel lintels shall conform to the following requirements:
 - Clearance: 4'-0" - 8'-0"
 - Steel Size: 4" x 4" - 12" x 12"
 - Steel Type: A 36, A 572
- All steel lintels shall bear a minimum of 8 inches on each end or the depth of the main member, whichever ever is greater. Fill all C.M.U. block cores solid with mortar at least two block courses below bearing points.
- All steel lintels shall have one coat of shop primer applied.
- All double angle lintels back to back shall be bolted 4'-0" o.c. maximum; two bolts minimum.
- All steel lintels shall meet or exceed the requirements of ASTM A 36 (Fy = 36 K.S.I.).

NOTES (ADD/REVISE)

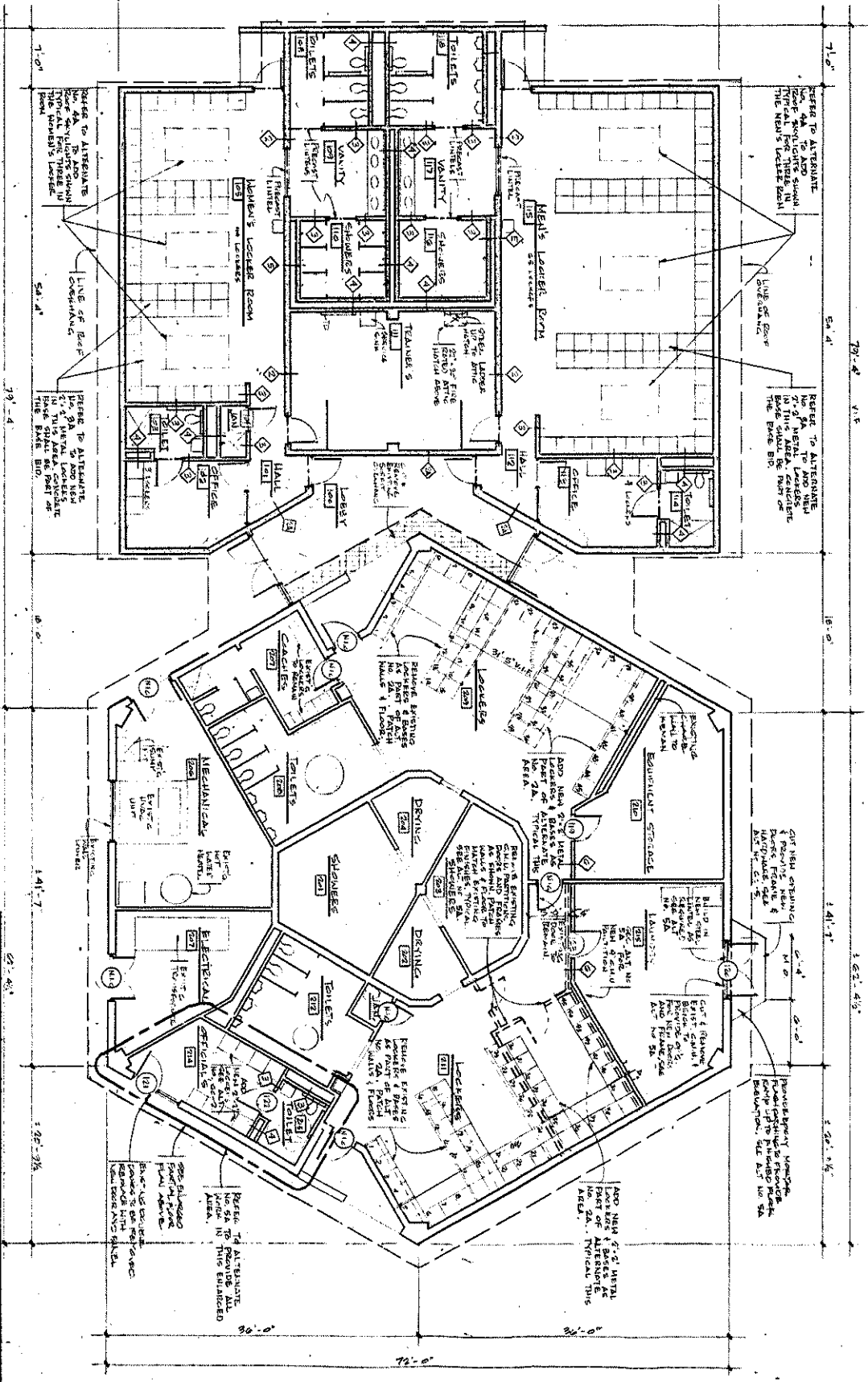
PARTIAL FLOOR PLAN



REFER TO ALTERNATE NO. 5A
FOR ALTERNATE AREAS
LOCATED IN THIS AREA.
IF ALTERNATE NO. 5A IS
ACCEPTED EXISTING EXTERIOR
DOORS SHALL REMAIN.

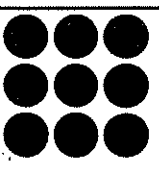
OVERALL FLOOR PLAN

1/8" = 1'-0"



UPPC

WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY



UPPC

WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY

ARCHITECTS & ENGINEERS • PLANNERS

1. Construction, P.O. Box 107
Morristown, New Jersey 07960-0107
(201) 984-5121 Fax (201) 898-9472

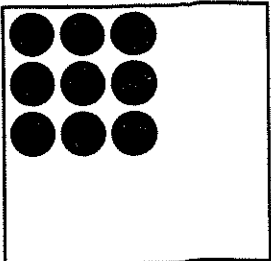
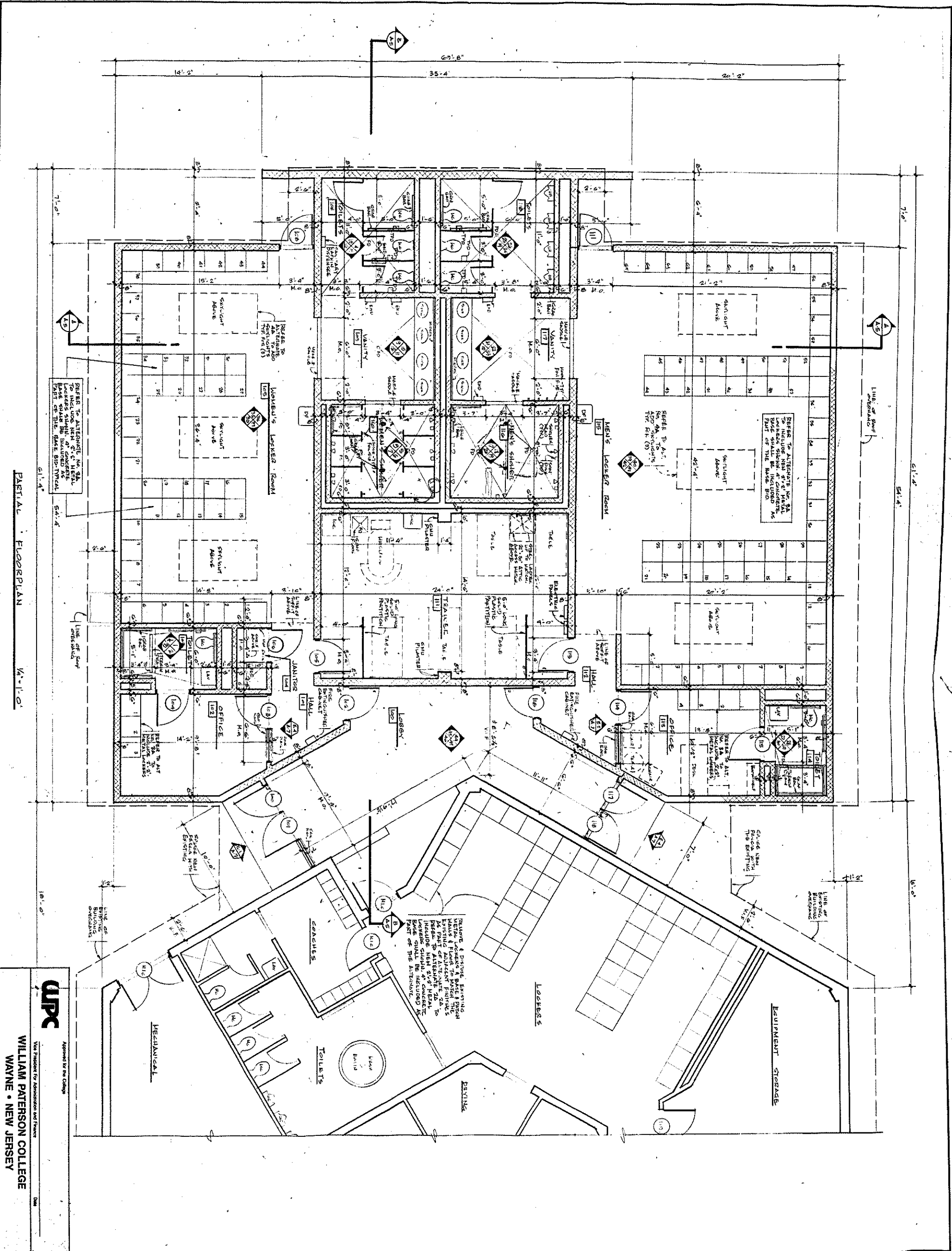
Drawing Title:

WALL TYPES

Date: 2.5.75
Scale: NOTED
Drawn: BJ
Checked: BJ

Job No. A-0373-00
Drawing No:

A-2



UPC

William Paterson College
Wayne, New Jersey 07692-1927
John Murphy, R.A.

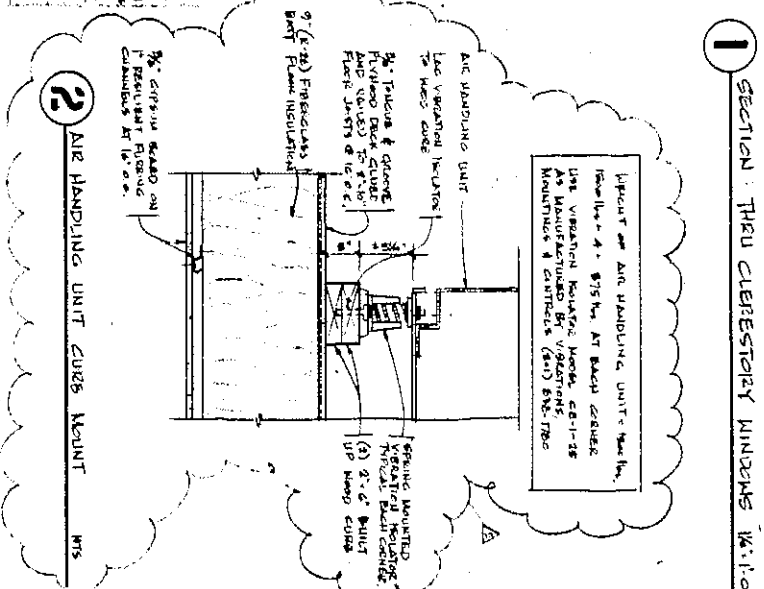
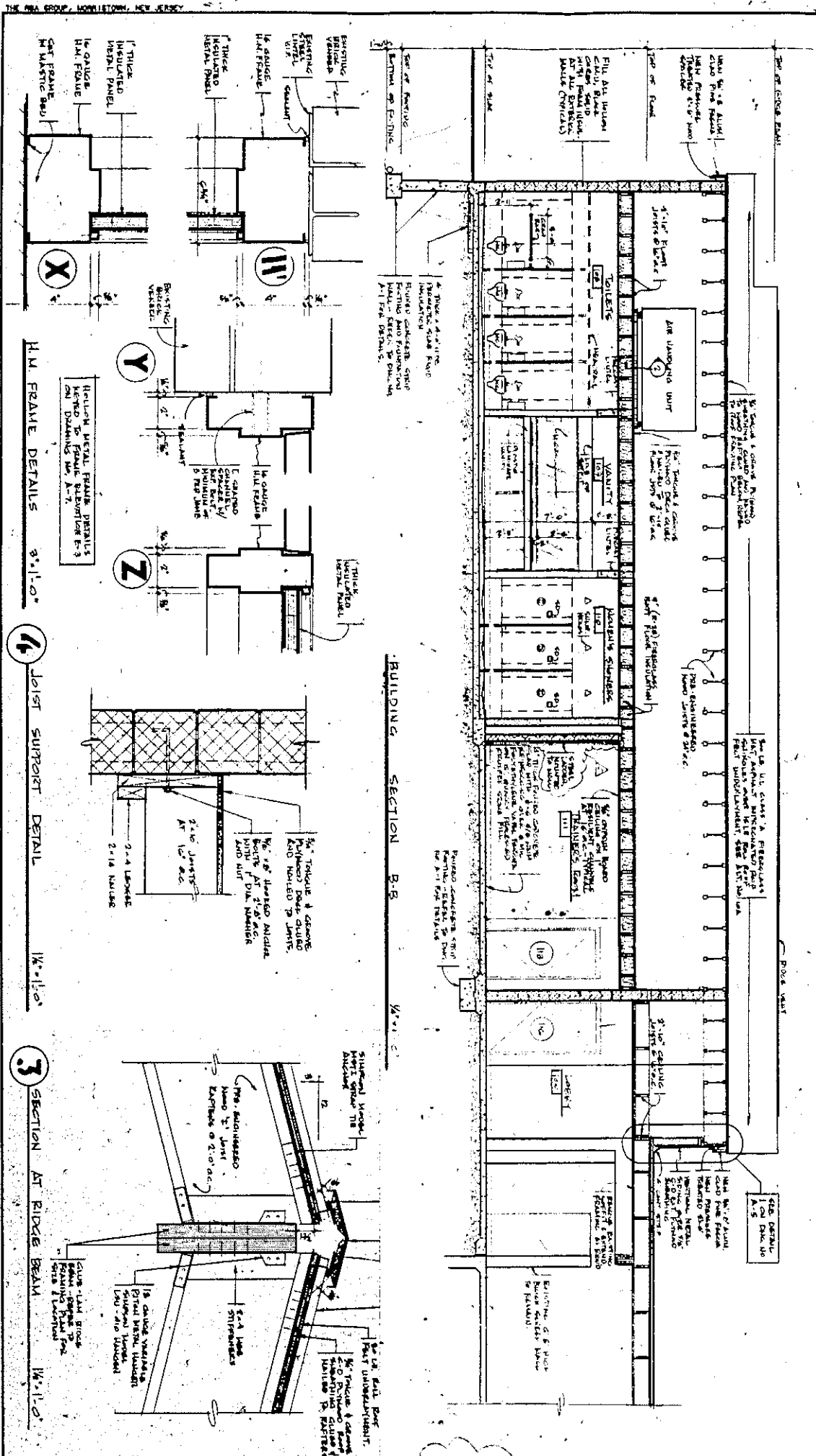
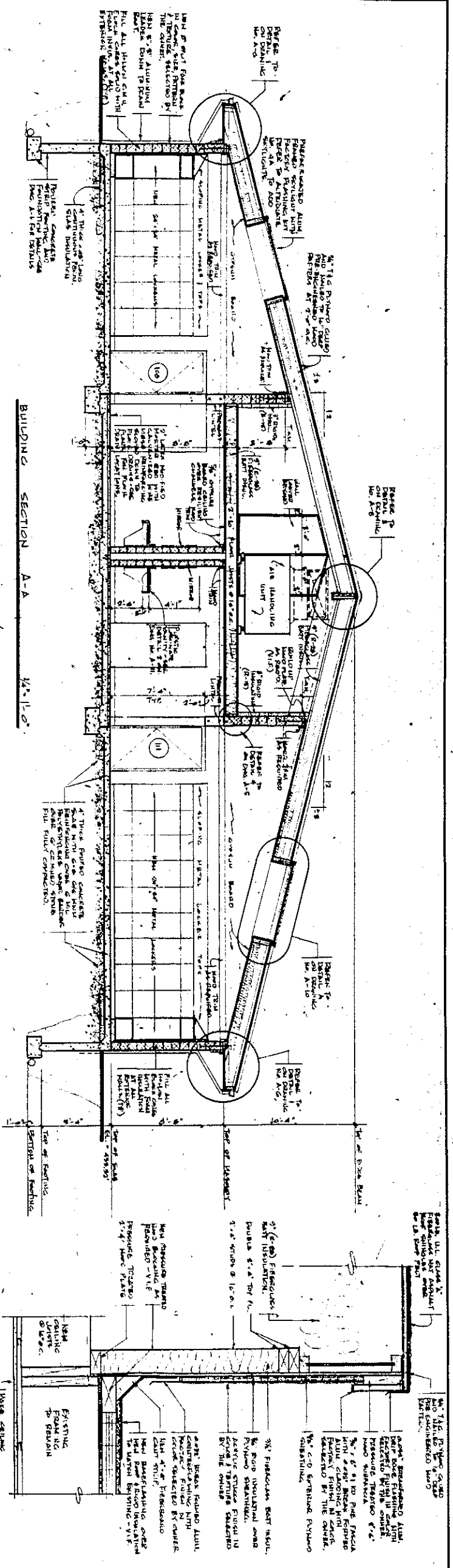
The RBA Group
Architects • Engineers • Planners
1 Exchange Place, P.O. Box 1927
Morristown, New Jersey 07962-1927
(201) 866-5121 Fax (201) 866-9472

PARTIAL FLOORPLAN

Date: 6-1-92
Scale: NOTED
Drawn: E.J.
Checked: B.J.
Job No: A-0572-00
Drawing Title: *William Paterson College*

A-3

UPC
Approved for the College
Vice President for Administration and Finance
WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY



**WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY**

WAYNE • NEW JERSEY

ARCHITECTS • ENGINEERS • PLANNERS

1 Evergreen Place P.O. Box 1027
Marlborough, New Jersey 07662-1027
(201) 984-6121 Fax (201) 890-9472

Drawing Titles

Drawing Title:

Bulldoze sections

Delet 2, 2, 2

Sealer Marked

1

Drumming

Checkmate: B.J.

Drawing No:

USA

William Ferro, P., E., P., P.
Warren Mendixen, A., I., A., P., P.
John Murphy, R., A.

UJO

GENERAL FACILITY APPLICATION

See PERTINENT CASES, MATTERS, ETC. 07470 -

100

Index

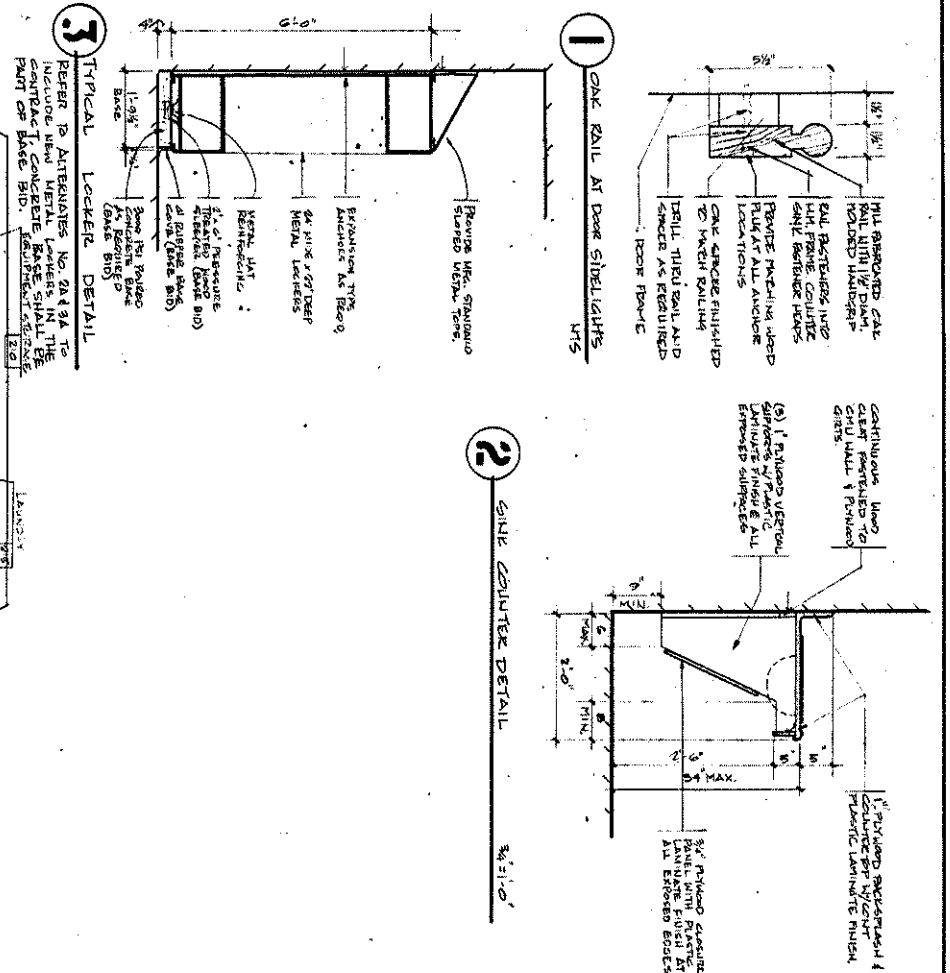
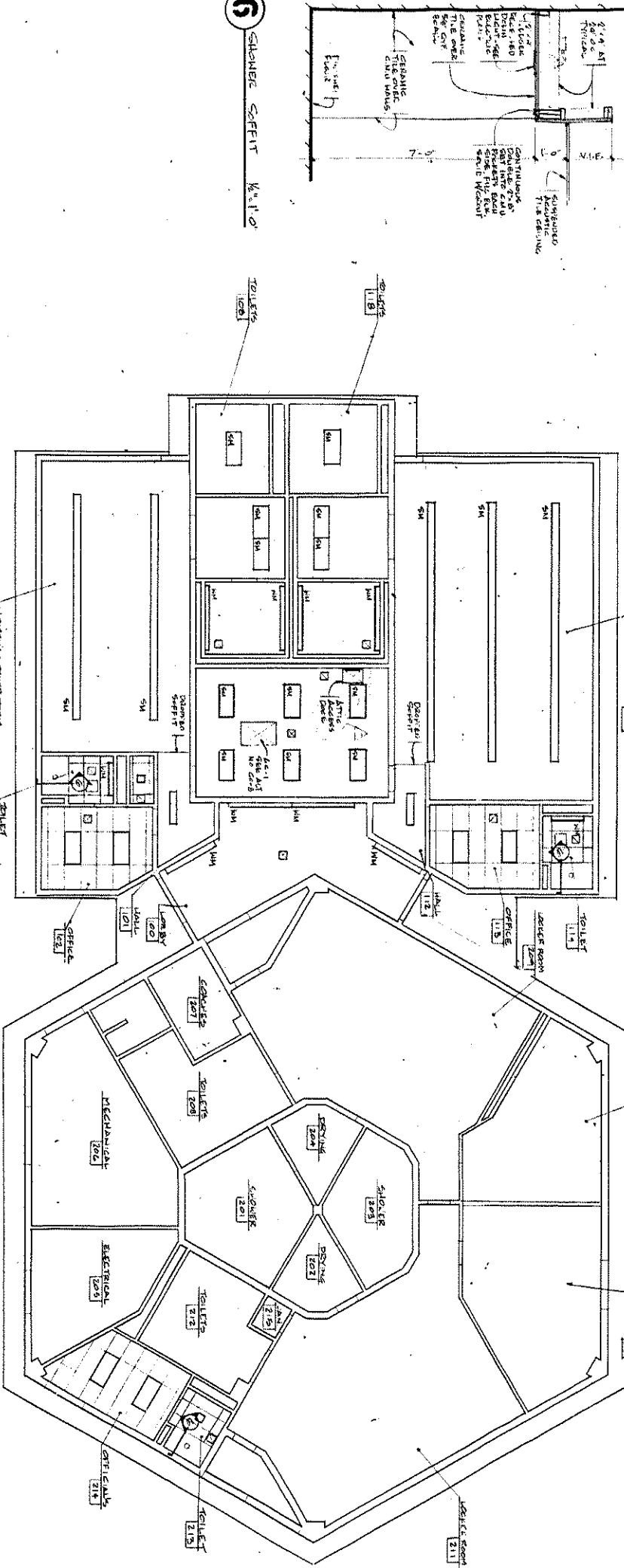
8

William Carter, P.E., P.P. 16264
 Walter Hedrix, A.I.A., P.P. C-424

C-3023
Johann Moseph, R.A.

UJO

FINISH SCHEDULE									
NO.	ROOM NAME	FLOOR	SPACE	HEIGHT	COLOR	MATERIAL	FINISH	DETAIL	COMMENTS
100	LOBBY	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
101	HALL	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
102	OFFICE	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
103	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
104	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
105	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
106	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
107	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
108	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
109	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
110	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
111	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
112	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
113	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
114	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
115	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
116	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
117	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
118	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
119	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
120	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
201	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
202	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
203	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
204	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
205	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
206	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
207	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
208	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
209	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
210	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
211	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
212	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
213	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
214	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	
215	TOILET	CONCRETE	CEILING	8'-0"	CONCRETE	CEILING	CONCRETE	CONCRETE	



REFLECTED CEILING PLAN 1/8"=1'-0"

WPC
WILLIAM PATTERSON COLLEGE
WAYNE • NEW JERSEY

WPC
WILLIAM PATTERSON COLLEGE
WAYNE • NEW JERSEY

WPC
WILLIAM PATTERSON COLLEGE
WAYNE • NEW JERSEY

51

24
25
26

52

THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS IS APPROXIMATELY CORRECT BUT IT SHALL BE UNDERSTOOD THAT THEY ARE SUBJECT TO SUCH MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET STRUCTURAL REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE. ANY ITEM OF LABOR OR EQUIPMENT NOT SPECIFIED IN DETAIL, BY THE SPECIFICATIONS OR INDICATED ON THE DRAWINGS BUT WHICH IS INCIDENTAL TO OR NECESSARY FOR THE COMPLETE INSTALLATION AND PROPER OPERATION OF THE SEVERAL BRANCHES OF THE WORK DESCRIBED HEREIN, NORMALLY HELD SHALL BE FURNISHED AS IT CALLED FOR IN DETAIL.

-FIRE ALARM PULL STATIONS AND SWITCHES: +-4'-0" AFF TO CENTERLINE
-RECEPTACLES +1'-6" AFF
-PANELS MAX. 6'-0" TO TOP BREAKERS
-FIRE ALARM SIGNALS: 1'-0" BELOW FINISHED CEILING TO TOP OR 8'-0" MAXIMUM AFF.

a) EXPOSED (INDOORS); EMC
b) EXPOSED (OUTDOORS); INT
c) CONCEALED ABOVE CEILING OR IN STUD WALL; REF. TYPE A, PVC
d) CONCEALED IN WALL, FLOOR AND CEILING; USE IS SPECIFIED.
e) BURIED IN EARTH; PVC (ISSED, #1)
f) FINAL CONNECTIONS TO MOTORS, FLEXIBLE METAL (INDOORS);
g) LIQUID TIGHT OUTDOORS; *(size flexible metal for*
cableways to dry type transformers)
OUTLET BOXES CONCEALED SHALL BE STAINED STEEL,
OUTLET BOXES EXPOSED TO THE WEATHER SHALL BE CAST VALUABLE IRON.

PLATES ON CONCEALED OUTLETS SHALL BE STAINLESS
150/208 - SQUARE D TYPE NODD
277/480 - SQUARE D TYPE NEHB
DISTRIBUTION PANELS - SQUARE D TYPE I-LINE

THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRING FOR ALL AUTOMATIC TEMPERATURE CONTROLS, REFER TO MECHANICAL SPECIFICATIONS AND COORDINATE ALL WORK REQUIRED WITH THE MECHANICAL CONTRACTOR.

WHERE SHALL BE NO INTERRUPTIONS OF SERVICE TO EXISTING ELECTRICAL SYSTEMS WITHOUT WRITTEN CONSENT OF THE OWNER. SUCH INTERRUPTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE SCHEDULED WITH THE OWNER. ANY COST FOR THE WORK THAT MUST BE SCHEDULED ON AN OVERTIME BASIS TO ACCOMMODATE THE OWNER'S REQUIREMENTS FOR INTERRUPTION SHALL BE

CLAIMS FOR EXTRA COMPENSATION WILL NOT BE ALLOWED FOR ANY WORK THAT MAY BE CAUSED BY EXISTING CONDITIONS, WHICH CONDITION SHOULD HAVE BEEN FORESEEN SUBSEQUENT TO JOB SITE VISIT.

USA

**WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY**

VINCENT J. BARONE P.E., P.A.
CONSULTING ENGINEERS
4 ROCK HILLS DRIVE, SUITE 200
TELEPHONE (609) 497-1228

Project Title: LOCKER FACILITY ADDITION
AT
WILLIAM PATERSON COLLEGE
 DIANEEN ROAD, NORTON, NJ 07070

William Gerd-P.E.,P.F.
Corren Bendixen,A.I.A.,P.F.
John Murphy,R.A.

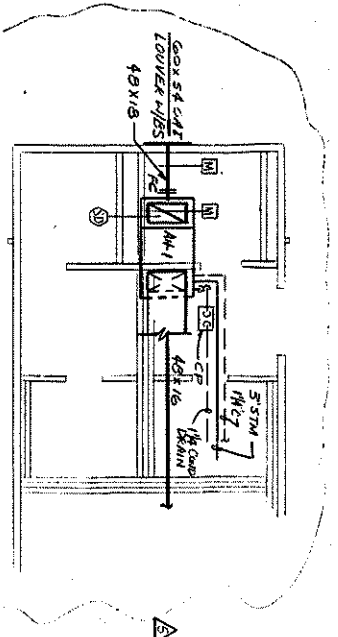
Evergreen Place P.O. Box 1927
 Burlington, New Jersey 07862-1927
 (201) 984-5127 Fax (201) 888-9472

File: 2-4-93
Case: NORTON

Drawing No: **E-2**

PART PLAN OF ATTIC

SCALE 1/8"=1'-0"



INSULATION FOR REFRIGERANT SUCTON LINES (ALTERNATE)
MATERIAL: ALL REFRIGERANT SUCTON LINES SHALL BE INSULATED WITH FLEXIBLE ELASTOMERIC CLOSED-CELL, 2" PIPE INSULATION, ARMOSTRONG "A-P" ARMAFLEX, OR APPROVED EQUAL (HAVING FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS WHEN TESTING BY ASTM E84 METHOD.)

APPLICATION: ARMAFLEX INSULATION SHALL BE SLIPPED ON THE PIPE PRIOR TO CONNECTION WHEREVER POSSIBLE. THE BUTT JOINTS SHALL BE SEALED WITH ARMOSTRONG 520 ADHESIVE. WHERE THE SLIT-ON TECHNIQUE IS NOT POSSIBLE, THE ARMAFLEX INSULATION SHALL BE SLIT AND TACKED OVER THE PIPE, AND THE SEAMS AND BUTT JOINTS SEALED WITH 520 ADHESIVE.

FLOOR PLAN

SCALE 1/8"=1'-0"

NEW ADDITION EXISTING BUILDING

ATTACHMENT NO. 1
NEW 24" DIA. SHIELD
BY 1/2" DIA. AIR VENT

EXISTING 24" DIA. SHIELD
BY 1/2" DIA. AIR VENT

EXISTING 24" DIA. SHIELD
BY 1/2" DIA. AIR VENT

EXISTING 24" DIA. SHIELD
BY 1/2" DIA. AIR VENT

EXISTING 24" DIA. SHIELD
BY 1/2" DIA. AIR VENT

EXISTING 24" DIA. SHIELD
BY 1/2" DIA. AIR VENT

DEMOLITION AND MODIFICATION WORK

THIS CONTRACTOR SHALL INCLUDE AS PART OF THE CONTRACT DEMOLITION, REMOVAL, OR RELOCATION OF EXISTING EQUIPMENT, MATERIALS, AND STRUCTURES AS SPECIFIED IN THE SCHEDULED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, STRUCTURES, AND EQUIPMENT NOT TO BE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, STRUCTURES, AND EQUIPMENT NOT TO BE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, STRUCTURES, AND EQUIPMENT NOT TO BE REMOVED.

ANY DEMOLITION OR MODIFICATION WORK AS INDICATED ON THE DRAWINGS AND NOT HEREIN SPECIFIED OR VISE-VERSA, SHALL BE COMPLETED BY THIS CONTRACTOR AND SHALL BE INCLUDED AS PART OF THE CONTRACT.

EACH CONTRACTOR SHALL RELOCATE AND RECONNECT ALL NEW AND EXISTING LINES AND EQUIPMENT INTERFERING WITH THE NEW SUPERSTED CEILING, FLOOR, AND ROOFING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, STRUCTURES, AND EQUIPMENT NOT TO BE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, STRUCTURES, AND EQUIPMENT NOT TO BE REMOVED.

INSULATION FOR REFRIGERANT SUCTON LINES (CONT'D)
FITTING COVER INSULATION SHALL BE FABRICATED AND INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDED PROCEDURES. SNAPE INSULATING SHALL BE INSULATED WITH WITTE-CUT PIECES OF ARMAFLEX PIPE INSULATION. THE SIZE OF THE FITTING COVER SHALL BE DETERMINED BY THE MANUFACTURER'S SLEEVING SIZE RECOMMENDATIONS AND SHALL BE OVERLAPPED AND SEALED TO THE ADVISORY PIPE INSULATION. ALL JOINTS AT OUTSIDE-CARRYING HANGER LOCATIONS WHERE THE INSULATION MUST RESIST COMPRESSION SHALL BE USED IN COMBINATION WITH GALVANIZED SHEET METAL. THE INSULATION SHALL BE SEALED INTO THE INSULATION WITH 520 ADHESIVE.

FINISH: ALL EXPOSED ARMAFLEX INSULATION SHALL BE FINISHED WITH TWO COATS OF ARMOSTRONG ARMAFLEX FINISH OR APPROVED EQUAL.

REFRIGERANT PIPING (ALTERNATE)
PROVIDE COMPLETE SYSTEMS OF REFRIGERANT PIPING AND SIZED TO INSURE THE SPECIFIED CAPACITY OF THE EQUIPMENT.

REFRIGERANT LINES SHALL BE SEAMLESS COPPER TUBING, TYPE "L", "A", "B", AND "C" SIZES, AS SPECIFIED. ALL JOINTS SHALL BE SOLDERED. THE SOLDER SHALL BE CLEANED AND AN APPROVED FLUX SHALL BE USED. ALL JOINTS SHALL BE BRAZED WITH A FILLER METAL CONFORMING TO AMERICAN WELDING SOCIETY (AWS) A5.8.

SYMBOL LIST

EXISTING TO REMAIN	EXISTING TO BE REMOVED
NEW WORK	CEILING DIFFUSER
SUPPLY REGISTER	RETURN REGISTER
RETURN REGISTER	EXHAUST REGISTER
EXHAUST REGISTER	VOLUME DAMPER
SUPPLY AIR	RETURN AIR
RETURN AIR	FLEXIBLE CONNECTIONS
BIRD SCREEN	MOTORIZED DAMPER
FRESH AIR INTAKE	FIRE DAMPER
1/2" ACROST. LINED DUCTWORK	NOT TO SCALE
EXHAUST FAN	AIR HANDLING UNIT
STEAM REHEAT COIL	ELECTRIC CABINET HEATER
ELECTRIC CABINET HEATER	ELECTRIC BASEBOARD RADIATION
TERMOSTAT	PUMPED CONDENSATE RETURN
CONDENSATE RETURN	UNDERFLOOR DOOR
STROKE DETECTOR	

VENTILATION SCHEDULE									
ROOM NAME	ROOM #	# OF PEOPLE	REQUIRED VENTILATION	ACTUAL VENTILATION	EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST
LOBBY	100	100	4	20	—	250	25	—	—
HALL	101	1	1	1	1	1	1	1	1
OFFICE	102	1	1	1	1	1	1	1	1
TOILET	103	1	1	1	1	1	1	1	1
LAB CLASS	104	1	1	1	1	1	1	1	1
M. LOCKERS	105	1	1	1	1	1	1	1	1
WESTHALL	106	1	1	1	1	1	1	1	1
STORAGE	107	1	1	1	1	1	1	1	1
M. TOILETS	108	1	1	1	1	1	1	1	1
VANITY	109	1	1	1	1	1	1	1	1
M. SHOWER	110	1	1	1	1	1	1	1	1
TRAINING	111	1	1	1	1	1	1	1	1
HALL	112	1	1	1	1	1	1	1	1
OFFICE	113	1	1	1	1	1	1	1	1
TOILET	114	1	1	1	1	1	1	1	1
M. LOCKERS	115	1	1	1	1	1	1	1	1
M. SHOWER	116	1	1	1	1	1	1	1	1
VANITY	117	1	1	1	1	1	1	1	1
M. TOILET	118	1	1	1	1	1	1	1	1
WESTHALL	119	1	1	1	1	1	1	1	1
MECHANICAL	120	1	1	1	1	1	1	1	1
TOILET	121	1	1	1	1	1	1	1	1
OFFICIALS	122	1	1	1	1	1	1	1	1

*** DEMONSTRATION CALCULATED INTO ADJACENT SPACE.
*** DEMONSTRATION CALCULATED INTO ADJACENT SPACE.
*** DEMONSTRATION CALCULATED INTO ADJACENT SPACE.

REFRIGERANT PIPING (CONT'D)

REFRIGERANT PIPING SHALL BE SECURED AND INSULATED TO PREVENT VIBRATION TRANSMISSION TO THE STRUCTURE. REFRIGERANT PIPING SHALL NOT BE INSTALLED WHERE IT IS INACCESSIBLE FOR REPAIR OR REPLACEMENT.

THE ENTIRE REFRIGERATION SYSTEM SHALL BE COMPLETELY EVACUATED AND CHARGED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND GOOD COMMERCIAL PRACTICE. EVACUATION SHALL BE ACCOMPLISHED BY THE USE OF 2-STAGE VACUUM PUMP TO AN AMBIENT TEMPERATURE OF NO LESS THAN 60 DEGREES TO INSURE THE REMOVAL OF ALL MOISTURE AND NONCONDENSIBLE GASES.

AFTER EVACUATION AND CHARGING IS COMPLETED, THE UNITS SHALL BE ALLOWED TO OPERATE FROM THE THERMOSTATS FOR A MINIMUM OF 24 HOURS. AT THAT TIME, THE MOISTURE INDICATORS SHALL INDICATE A DRY SYSTEM. IF IT DOES NOT SO INDICATE, THE DRYER SHALL BE CHANGED AND THE UNIT OPERATED FROM THE THERMOSTAT FOR ANOTHER 24 HOURS. THIS PROCEDURE SHALL BE CONTINUED UNTIL THE MOISTURE INDICATOR INDICATES A DRY SYSTEM.

CONTRACTOR IS TO INCLUDE AS PART OF THE INSTALLATION, REFRIGERANT AND OIL CHARGES OF QUANTITY RECOMMENDED BY THE MANUFACTURER IN ORDER TO PRODUCE THE CAPACITY SPECIFIED. INCLUDE A MINIMUM OF TWO 1/2" OIL CHARGES IN EACH SECTION. WHEN SYSTEM IS CLEAN, REPLACE SECTION CORES WITH FILL CORE.

REFRIGERANT PIPING SHALL BE BRACED AT LEAST EVERY FIVE FEET WITH NONPERMEABLE LINED CLAMPS.

SECTION LINES SHALL BE INSULATED. LONG RADIIUS FLEXORS ARE TO BE USED FOR STRESS RELIEF OF THE HOT GAS DISCHARGE LINE. PLATE FITTINGS SHALL BE REFRIGERANT GRADE FORGED BRASS. COPPER FITTINGS SHALL BE REFRIGERANT GRADE BRIGHT COPPER BRAZED WITH SILVER SOLDER ON COPPER-BRASS AND SIL-FOS ON COPPER-COPPER JOINTS. DURING BRAZING, HOT FLAME SHALL BE PASSED THROUGH THE JOINTS. ALL JOINTS SHALL BE TESTED BY LEAK TESTING. THE SYSTEM SHALL BE EVACUATED AND BROKEN WITH REFRIGERANT BEFORE CHARGING.

COMPRESSOR PIPING ACCESSORIES SHALL BE PROVIDED WITH PRESSURE, SECTION ACCUMULATOR, OIL SEPARATOR, REPLACEMENT CARTRIDGE TYPE FILTER-DRIER, LIQUID LINE STRAINER, SECTION LINE STRAINER, SECTION COUPLER, DISCHARGE GAGES AND OIL GAGES.

THE CONDENSER RECEIVER CIRCUITS SHALL BE FURNISHED WITH PRESSURE RELIEF VALVES, PURGE VALVES, DRAIN VALVES, AND "BULLS EYE" LIQUID LEVEL INDICATORS.

HIGH TEMPERATURE SOLDER JOINTS: HAVE SILVER SOLDER JOINTS BY FIRST REMOVING OIL AND GREASE FROM JOINT AREAS ON TUBES AND FITTINGS, AND APPLY A THIN, UNIFORM COATING OF AWS NO. 3 BRAZING FLUX TO THE CLEANED SURFACES OF THE FITTING AND TUBE. HEAT SHALL BE APPLIED WITH AN OXY-ACETYLENE TORCH WITH A SLIGHTLY REDUCING FLAME OF SUFFICIENT SIZE TO ADOPTURE THE JOINT. THE FLAME SHALL BE APPLIED TO THE JOINT WITH THE TUBE END OF THE FLAME. WHEN JOINT TUBE AND FITTINGS HAVE BEEN SUFFICIENTLY HEATED, APPLY SILVER SOLDER UNTIL A CONTINUOUS FILLET IS FORMED. WIRE JOINT WITH WET CLOTH WHILE STILL HOT TO REMOVE SCALE.

VINCENT J. BARONE, P.E., P.A.
CONSULTING ENGINEER
1000 NEW JERSEY TURNPIKE, SUITE 100
TELEPHONE (908) 487-1000

1000 NEW JERSEY TURNPIKE, SUITE 100
TELEPHONE (908) 487-1000

WPC

William Paterson College
200 Paterson Road, Paterson, N.J. 07650
John Murphy, R.A.
C-3885

THE RBA GROUP

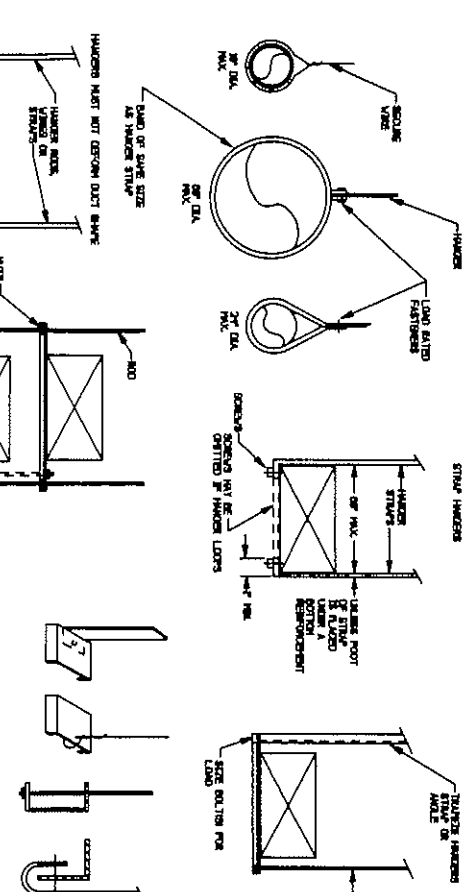
ARCHITECTS • ENGINEERS • PLANNERS
1 E. Green Street, P.O. Box 1027
Morristown, New Jersey 07960-1027
(201) 884-5121

FLOOR PLAN - HVAC

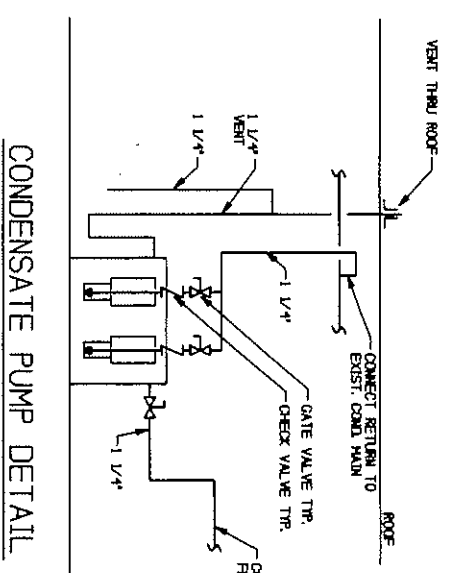
Date: 2-1-93
Drawn: DE
Checked: VJB
Job No: A0072.00
Drawing No: M-1

WPC
Approved by the College
New President for Administration and Finance
WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY

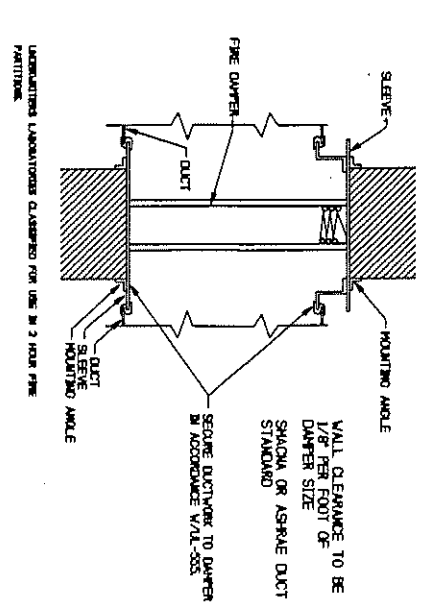
1000 NEW JERSEY TURNPIKE, SUITE 100
TELEPHONE (908) 487-1000



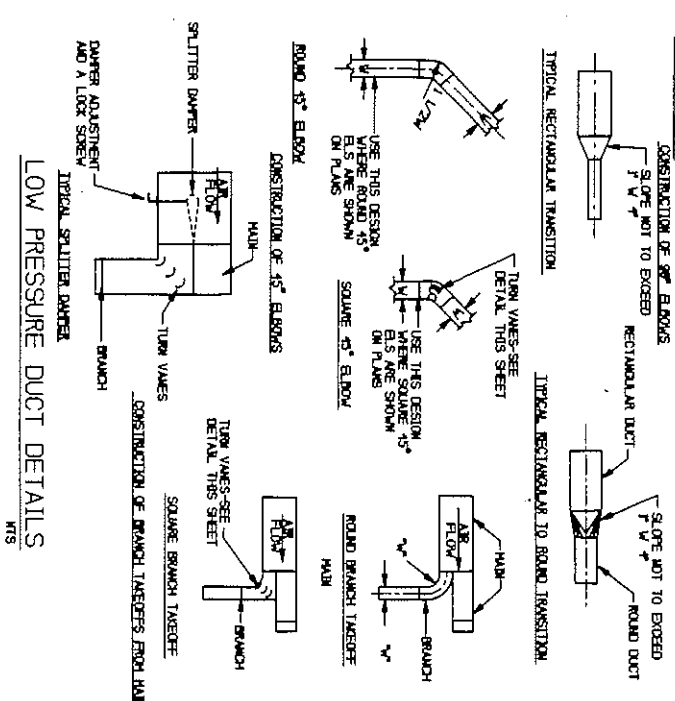
DUCTWORK HANGER DETAILS



CONDENSATE PUMP DETAIL



FIRE DAMPER DETAIL



LOW PRESSURE DUCT DETAILS

DUCTWORK:

ALL SHEET METAL DUCTWORK SHALL CONFORM WITH 1990 BOCA NATIONAL DUCTWORK SPECIFICATION.

ALL DUCTWORK SHALL BE OF GALVANIZED STEEL UNLESS OTHERWISE NOTED AND SHALL CONFORM WITH THE RECOMMENDATIONS OF SMACNA, INC. AS PUBLISHED IN THE "DUCT MANUAL AND SHEET METAL CONSTRUCTION FOR MECHANICAL AIR CONDITIONING SYSTEMS". ALL DUCTWORK SHALL BE CONSTRUCTED WITH SMOOTH INTERIOR SURFACES AND TURNING VANES SHALL BE PROVIDED AT ALL 90° CONNECTIONS AND ALL SQUARE ELBOWS.

ALL EXPOSED DUCTWORK SHALL BE UNPAINTED GALVANIZED STEEL. "ON-SITE" SPECIAL LOCATIONS OF GALVANIZED STEEL DUCT SHALL BE IDENTIFIED WITH THE RECOMMENDATIONS OF SMACNA, INC. AS PUBLISHED IN THE "DUCT MANUAL AND SHEET METAL CONSTRUCTION FOR MECHANICAL AIR CONDITIONING SYSTEMS".

DUCT LAYOUT:

ALL SUPPLY AND RETURN DUCTWORK IS FIVE FEET DOWNSTREAM OF THE AIR UNIT SHALL BE IDENTIFIED WITH 1/2" MANVILLE ACoustical DUCT Lining.

NOT SURFACE PERFORMANCE: DUCT CONNECTIONS AND LINES SHALL NOT BE PLACED IN OR NEAR AIR HANDLING UNITS OR EQUIPMENT. THE TEMPERATURE OF THE DUCT SHALL NOT BE LESS THAN 250°F.

CONDENSATE DRAIN PIPING (ALTERNATE):

ALL CONDENSATE DRAIN PIPING SHALL BE TYPE "L" HARD DRAWN COPPER TUBING. CONDENSATE DRAIN PIPING SHALL BE TRAPPED NEAR THE CONNECTION TO THE HVAC UNIT.

ALL CONDENSATE PIPING SHALL BE INSULATED WITH 1/2" THICK MANVILLE FIBERGLASS FIBER INSULATION WITH VAPOR BARRIER.

NOTES:

THIS CONTRACTOR SHALL FURNISH ALL WORK AS TO CONFORM TO THE REQUIREMENTS OF LOCAL, STATE AND NATIONAL CODES INCLUDING THE MECHANICAL CODE OF THE STATE OF NEW JERSEY, 1990 BOCA NATIONAL BUILDING CODE AND MECHANICAL CODE AND ACCUMULATING SCHEDULE, AND THE NATIONAL FIRE PROTECTION ASSOCIATION CODES (NFPA).

THIS CONTRACTOR SHALL GIVE NECESSARY NOTICES, FILE DRAWINGS AND SPECIFICATIONS WITH THE DEPARTMENT HAVING JURISDICTION, AND SHALL OBTAIN AND PAY FOR ALL PERMITS OR LICENSES TO CARRY ON THIS WORK.

THESE DRAWINGS INDICATE THE GENERAL SCHEME OF THE INSTALLATION AND ARE DIAGNOSTIC IN SCOPE. DETAILS OF CONSTRUCTION AND OF WORKMANSHIP SHALL BE SPECIFICALLY DESCRIBED HEREIN OR INDICATED ON THE DRAWINGS SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL. THE ENGINEER RESERVES THE RIGHT TO CHANGE THE LOCATION OF UNITS, PIPING, REGISTER, EXHAUST, AIR EXTRACTOR, STEEL CONSTRUCTION, WITHOUT EXTRA COST TO THE OWNER. THE EXACT LOCATION AND ARRANGEMENT OF ALL EQUIPMENT AND PARTS SHALL BE DETERMINED AS THE WORK PROGRESSES. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO PROVIDE COMPLETE SYSTEMS LEFT IN GOOD WORKING ORDER READY FOR OPERATION.

THIS CONTRACTOR SHALL GUARANTEE ALL WORK DONE BY HIM AND MATERIAL SUPPLIED BY HIM FOR THE PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER.

THE CONTRACTOR SHALL ASSURE ALL RESPONSIBILITY FOR ANY DAMAGE CAUSED BY THE OPERATING OF HIS EQUIPMENT AND MATERIALS AND SHALL BE REPAIRED BY HIM AT NO ADDITIONAL COST TO THE OWNER.

SCAFF AND DEBRIS, EXCEPT AS OTHERWISE SPECIFIED, SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THIS CONTRACTOR.

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CHARGING AND START-UP OF EACH SYSTEM. A MAINTENANCE REPRESENTATIVE SHALL BE AVAILABLE TO REVIEW THE INSTALLATION AND MAKE NECESSARY ADJUSTMENTS.

THIS CONTRACTOR SHALL VISIT AND EXAMINE THE SITE TO OBTAIN INFORMATION AND CONDITIONS PERTAINING TO HIS WORK. UNLESS OTHERWISE SPECIFIED, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THIS WORK AT NO ADDITIONAL COST TO THE OWNER. THE EXACT LOCATION OF EXISTING OUTLETS, SERVICES, UNITS ETC. ARE TO BE VERIFIED IN THE FIELD.

THIS CONTRACTOR SHALL LABEL ALL CONTROL UNITS, SWITCHES, ETC. BY PERMANENTLY ATTACHED WHITE CORE LIMITED "NATELITE" NAMEPLATES.

THIS CONTRACTOR SHALL PERFORM HIS WORK IN THE EXISTING BUILDING WITHOUT DISTURBING THE EXISTING STRUCTURE AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING STRUCTURE AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING STRUCTURE AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING STRUCTURE.

THIS CONTRACTOR SHALL PROVIDE ALL HOLES AND SLEEVES IN SLAB OR WALLS.

THIS CONTRACTOR SHALL PATCH AND PAINT ANY AREAS WHERE EXISTING UNITS ETC. AND CONTROLS ARE REMOVED.

THIS CONTRACTOR SHALL FURNISH SHOP DRAWINGS AND EQUIPMENT CHITS TO THE ARCHITECT FOR REVIEW (NUMBER OF COPIES AS DIRECTED BY THE ARCHITECT). SUBMIT CONTROL DIAGRAMS AND DESCRIPTION OF SEQUENCE OF OPERATION FOR REVIEW.

SHOP DRAWINGS AND SUBMITTALS: BY FAX MACHINE WILL NOT BE ACCEPTED.

UPON COMPLETION OF THE INSTALLATION EACH SYSTEM SHALL BE CLEANED AND ALL SURFACE FEATURES SHALL BE TESTED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE.

THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL APPROPRIATE TEMPERATURE CONTROLS AND DEVICES. ALL WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR. THIS CONTRACTOR SHALL HAVE FINAL AUTHORITY OF SURETY AT THE COMPLETION OF THE WORK.

THIS CONTRACTOR SHALL PROVIDE ALL SPACERS (WITH CONTROL TRANSFORMERS) REQUIRED FOR THE EQUIPMENT UNDER THIS CONTRACT. SPACERS SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR.

ALL PIPING IN AREAS WITH FINISHED FLOORS SHALL BE CONCEALED IN HUNG CEILINGS, CHASES AND TROUBLE SPACES.

THIS CONTRACTOR SHALL PROVIDE FIRE DAMPERS FOR ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES INCLUDING WALLS, CEILINGS, AND FLOORS. FIRE DAMPERS SHALL BE INSTALLED ON EACH PENETRATION OF THE ASSEMBLY VERIFY ALL LOCATIONS OF FIRE RATED ASSEMBLIES WITH ARCHITECTURAL DRAWINGS.

THIS CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL CEILING DIFFUSERS, EXHAUST REGISTERS, AND RETURN REGISTERS WITH GRID SYSTEM AND LIGHTING IN THE FIELD.

ALL SUPPLY AND RETURN DUCT CONNECTIONS TO HVAC UNITS AND EXHAUST CONNECTIONS TO EXHAUST FANS SHALL HAVE FLEXIBLE DUCT CONNECTIONS. DUCT COVERINGS AND LINGS AND SHIMS USED IN DUCT SYSTEMS, DUCT TAPE AND VIBRATION ISOLATION CONNECTIONS SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84. DUCT COVERINGS AND LINGS SHALL BE RATED FOR THE DESIGN TEMPERATURES OF THE AIR DISTRIBUTION SYSTEM.

THIS CONTRACTOR SHALL PROVIDE ALL SMOKE DETECTORS TO COMPLY WITH THE 1990 BOCA MECHANICAL CODE. SMOKE DETECTORS SHALL BE INSTALLED IN THE RETURN AIR DUCT OR PLenum. SMOKE DETECTORS SHALL BE INSTALLED IN THE RETURN AIR DUCT OR PLenum. SMOKE DETECTORS SHALL BE INSTALLED IN THE RETURN AIR DUCT OR PLenum. SMOKE DETECTORS SHALL BE INSTALLED IN THE RETURN AIR DUCT OR PLenum.

WPC

WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY

WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY

DATE: 8-1-95
DRAWN: EV
CHECKED: VJD
JOB NO: A0872.00
DRAWING NO: M-2

WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY

DATE: 8-1-95
DRAWN: EV
CHECKED: VJD
JOB NO: A0872.00
DRAWING NO: M-2

WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY

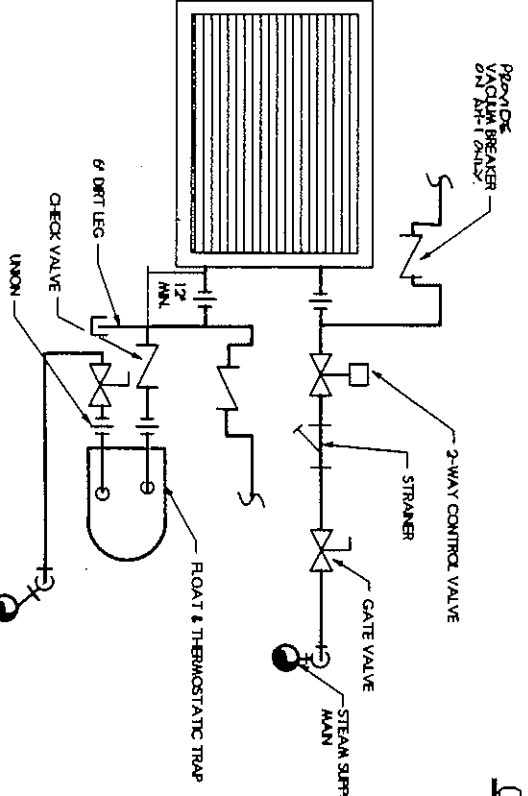
DATE: 8-1-95
DRAWN: EV
CHECKED: VJD
JOB NO: A0872.00
DRAWING NO: M-2

EXHAUST FAN SCHEDULE	EX-1	EX-2	EX-3	EX-4	EX-5	EX-6	EX-7	EX-8
MARK	EX-1	EX-2	EX-3	EX-4	EX-5	EX-6	EX-7	EX-8
MANUFACTURER	DAVID	DAVID	DAVID	DAVID	DAVID	DAVID	DAVID	DAVID
MODEL NUMBER	2000	2000	2000	2000	2000	2000	2000	2000
CFM	1000	1000	1000	1000	1000	1000	1000	1000
STATIC PRESSURE	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
FAN RPM	1000	1000	1000	1000	1000	1000	1000	1000
TP SPEED	1000	1000	1000	1000	1000	1000	1000	1000
ELECTRICAL DATA								
MOTOR HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
MOTOR RPM	1000	1000	1000	1000	1000	1000	1000	1000
VOLTAGE	208	208	208	208	208	208	208	208
ROOF OR WALL OPENING	12" x 12"	12" x 12"	12" x 12"	12" x 12"	12" x 12"	12" x 12"	12" x 12"	12" x 12"
UNIT WEIGHT	150	150	150	150	150	150	150	150
ACCESSORIES								
BACKDRAFT DAMPER	YES	YES	YES	YES	YES	YES	YES	YES
ROTORIZED DAMPER	NO	NO	NO	NO	NO	NO	NO	NO
12" HIGH PRE-INSULATED ROOF CURB	NO	NO	NO	NO	NO	NO	NO	NO
THERMOSTATICALLY CONTROLLED	NO	NO	NO	NO	NO	NO	NO	NO
WALL SWITCH	NO	NO	NO	NO	NO	NO	NO	NO
INTERLOCKED WITH LIGHT SWITCH	NO	NO	NO	NO	NO	NO	NO	NO
7 DAY TIME CLOCK	NO	NO	NO	NO	NO	NO	NO	NO
NOTES	1. PROVIDE WALL CAP MODEL NC10	2. PROVIDE MOTOR COVER INTERLOCK WITH AM-1 UNIT	3. INTERLOCK WITH AM-1 UNIT	4. PROVIDE FAN WHEN OUTSIDE AIR TEMPERATURE IS ABOVE 40°F	5. PROVIDE WALL CAP MODEL NC10	6. PROVIDE MOTOR COVER INTERLOCK WITH AM-1 UNIT	7. INTERLOCK WITH AM-1 UNIT	8. PROVIDE FAN WHEN OUTSIDE AIR TEMPERATURE IS ABOVE 40°F

STEAM COIL SCHEDULE	SC-1	SC-2	SC-3
MARK	SC-1	SC-2	SC-3
MANUFACTURER	DAVID	DAVID	DAVID
MODEL NUMBER	2000	2000	2000
CFM	1000	1000	1000
CAPACITY BTU/H	10,000	10,000	10,000
CAPACITY (LBS/H)	100	100	100
STEAM PRESSURE (PSI)	5	5	5
ENTERING AIR TEMPERATURE (°F)	70	70	70
LEAVING AIR TEMPERATURE (°F)	85	85	85
MAXIMUM VELOCITY (FPM)	800	800	800
DUCT SIZE	36" x 12"	36" x 12"	36" x 12"
NUMBER OF ROWS	1	1	1
FMS PER INCH	1	1	1
AIR PRESSURE DROP (IN)	0.25	0.25	0.25
NOTES	1. PROVIDE THE RISE-SET		

AIR HANDLING UNIT SCHEDULE	AH-1	AH-2	AH-3
MARK	AH-1	AH-2	AH-3
MANUFACTURER	DAVID	DAVID	DAVID
MODEL NUMBER	2000	2000	2000
CFM	1000	1000	1000
CAPACITY BTU/H	10,000	10,000	10,000
CAPACITY (LBS/H)	100	100	100
STEAM PRESSURE (PSI)	5	5	5
ENTERING AIR TEMPERATURE (°F)	70	70	70
LEAVING AIR TEMPERATURE (°F)	85	85	85
MAXIMUM VELOCITY (FPM)	800	800	800
DUCT SIZE	36" x 12"	36" x 12"	36" x 12"
NUMBER OF ROWS	1	1	1
FMS PER INCH	1	1	1
AIR PRESSURE DROP (IN)	0.25	0.25	0.25
NOTES	1. PROVIDE THE RISE-SET		

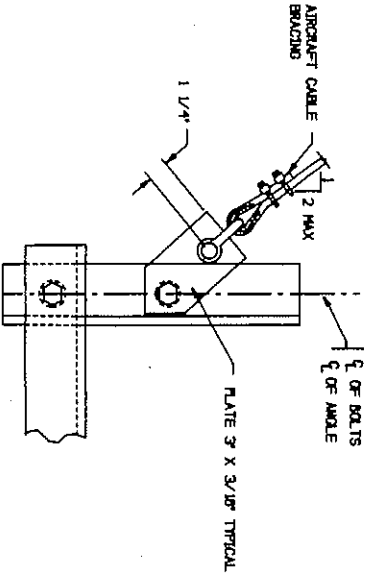
ELECTRIC CABINET HEATER SCHEDULE	EH-1	EH-2	EH-3
MARK	EH-1	EH-2	EH-3
MANUFACTURER	DAVID	DAVID	DAVID
MODEL NUMBER	2000	2000	2000
CFM	1000	1000	1000
CAPACITY BTU/H	10,000	10,000	10,000
CAPACITY (LBS/H)	100	100	100
STEAM PRESSURE (PSI)	5	5	5
ENTERING AIR TEMPERATURE (°F)	70	70	70
LEAVING AIR TEMPERATURE (°F)	85	85	85
MAXIMUM VELOCITY (FPM)	800	800	800
DUCT SIZE	36" x 12"	36" x 12"	36" x 12"
NUMBER OF ROWS	1	1	1
FMS PER INCH	1	1	1
AIR PRESSURE DROP (IN)	0.25	0.25	0.25
NOTES	1. PROVIDE THE RISE-SET		



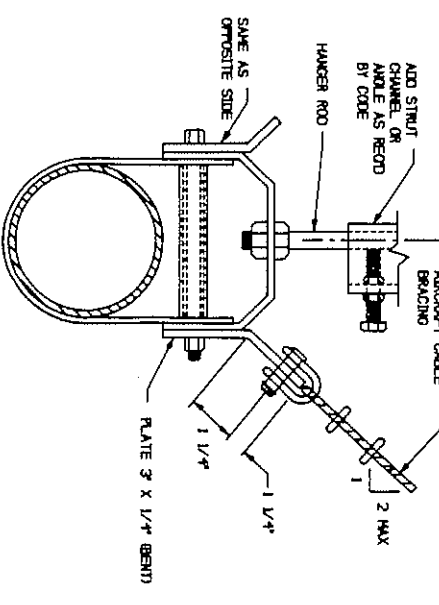
STEAM COIL PIPING SCHEMATIC

ELECTRIC BASEBOARD RADIATION SCHEDULE	ER-1	ER-2	ER-3
MARK	ER-1	ER-2	ER-3
MANUFACTURER	DAVID	DAVID	DAVID
MODEL NUMBER	2000	2000	2000
CFM	1000	1000	1000
CAPACITY BTU/H	10,000	10,000	10,000
CAPACITY (LBS/H)	100	100	100
STEAM PRESSURE (PSI)	5	5	5
ENTERING AIR TEMPERATURE (°F)	70	70	70
LEAVING AIR TEMPERATURE (°F)	85	85	85
MAXIMUM VELOCITY (FPM)	800	800	800
DUCT SIZE	36" x 12"	36" x 12"	36" x 12"
NUMBER OF ROWS	1	1	1
FMS PER INCH	1	1	1
AIR PRESSURE DROP (IN)	0.25	0.25	0.25
NOTES	1. PROVIDE THE RISE-SET		

CONDENSATE PUMP SCHEDULE	CP-1	CP-2	CP-3
MARK	CP-1	CP-2	CP-3
MANUFACTURER	DAVID	DAVID	DAVID
MODEL NUMBER	2000	2000	2000
CFM	1000	1000	1000
CAPACITY BTU/H	10,000	10,000	10,000
CAPACITY (LBS/H)	100	100	100
STEAM PRESSURE (PSI)	5	5	5
ENTERING AIR TEMPERATURE (°F)	70	70	70
LEAVING AIR TEMPERATURE (°F)	85	85	85
MAXIMUM VELOCITY (FPM)	800	800	800
DUCT SIZE	36" x 12"	36" x 12"	36" x 12"
NUMBER OF ROWS	1	1	1
FMS PER INCH	1	1	1
AIR PRESSURE DROP (IN)	0.25	0.25	0.25
NOTES	1. PROVIDE THE RISE-SET		



CABLE BRACING FOR RECTANGULAR DUCTS



CABLE BRACING FOR PIPING

DUCTLESS SPLIT SYSTEM HVAC UNIT SCHEDULE (A/C UNIT)	DS-1	DS-2	DS-3
MARK	DS-1	DS-2	DS-3
MANUFACTURER	DAVID	DAVID	DAVID
MODEL NUMBER	2000	2000	2000
CFM	1000	1000	1000
CAPACITY BTU/H	10,000	10,000	10,000
CAPACITY (LBS/H)	100	100	100
STEAM PRESSURE (PSI)	5	5	5
ENTERING AIR TEMPERATURE (°F)	70	70	70
LEAVING AIR TEMPERATURE (°F)	85	85	85
MAXIMUM VELOCITY (FPM)	800	800	800
DUCT SIZE	36" x 12"	36" x 12"	36" x 12"
NUMBER OF ROWS	1	1	1
FMS PER INCH	1	1	1
AIR PRESSURE DROP (IN)	0.25	0.25	0.25
NOTES	1. PROVIDE THE RISE-SET		

WPC
WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY

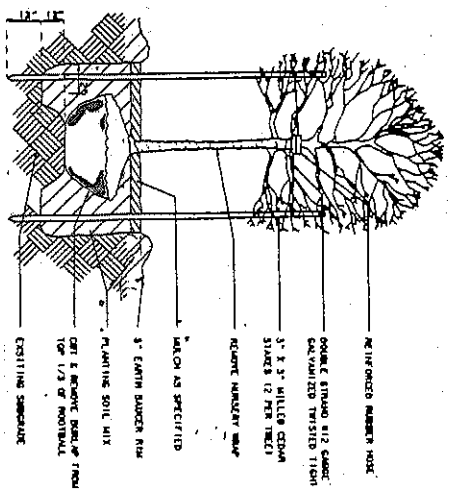
VINCENT J. BARONE JR. P.E.
1000 ROUTE 1
NEW JERSEY 07003
908-765-1234

WPC

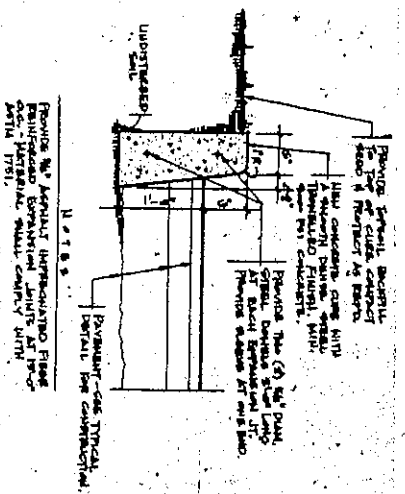
WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY
908-765-1234

WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY
908-765-1234

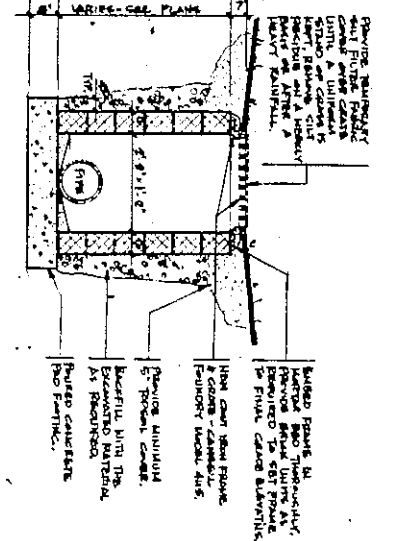
WILLIAM PATERSON COLLEGE
WAYNE • NEW JERSEY
908-765-1234



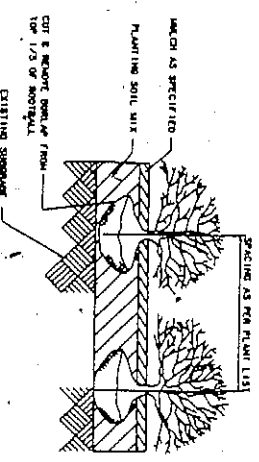
1. TYPICAL TREE PLANTING DETAIL
 THIS DETAIL APPLIES TO THE FOUR TREES
 SPECIFIED TO BE PLANTED UNDER THIS
 CONTRACT.



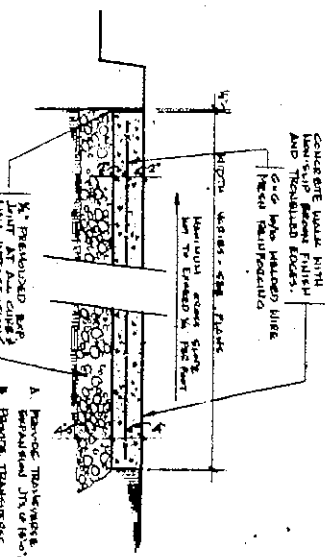
2. CONCRETE CURB DETAIL
 1'-10"



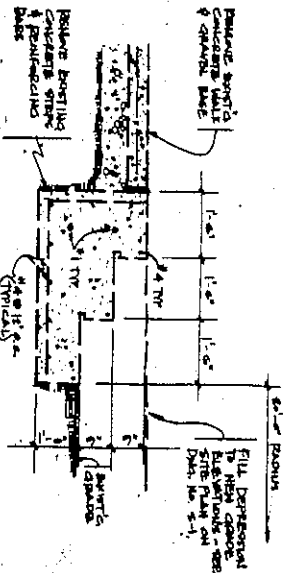
3. TYPICAL LAWN INLET DETAIL
 1'-0"



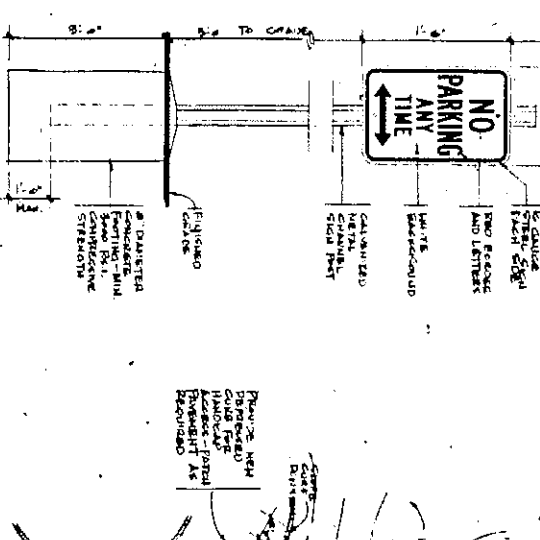
4. TYPICAL SHRUB PLANTING DETAIL
 1'-0"



5. TYPICAL CONCRETE WALKWAY DETAIL
 1'-0"

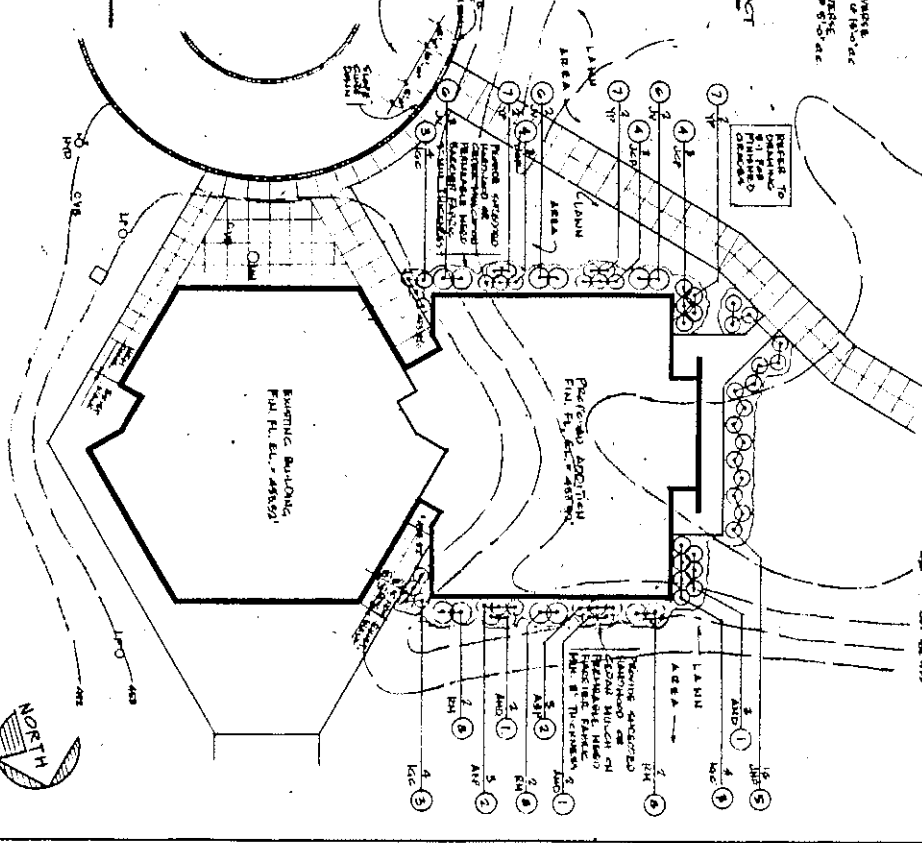


6. STAIR RING DEMOLITION DETAIL
 1'-0"



7. NO PARKING SIGN DETAIL
 1'-0"

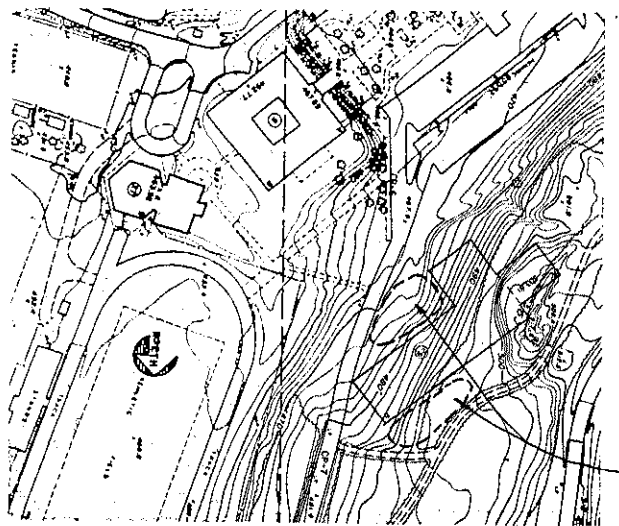
PLANT	SCHEDULE	PLANT	SCHEDULE
1. VIBURNUM SP. (L)	1. VIBURNUM SP. (L)	1. VIBURNUM SP. (L)	1. VIBURNUM SP. (L)
2. BURNING BUSH (L)	2. BURNING BUSH (L)	2. BURNING BUSH (L)	2. BURNING BUSH (L)
3. HYDRANGEA (L)	3. HYDRANGEA (L)	3. HYDRANGEA (L)	3. HYDRANGEA (L)
4. LANTANA (L)	4. LANTANA (L)	4. LANTANA (L)	4. LANTANA (L)
5. JASMINE (L)	5. JASMINE (L)	5. JASMINE (L)	5. JASMINE (L)
6. CAMELLIA (L)	6. CAMELLIA (L)	6. CAMELLIA (L)	6. CAMELLIA (L)
7. BURNING BUSH (L)	7. BURNING BUSH (L)	7. BURNING BUSH (L)	7. BURNING BUSH (L)



LANDSCAPE PLAN
 1"=20'-0"

REFER TO ATTACHED NO. 1 TO 10. ALL PLANTING AND MULCH BEDS, THE BASES AND WALKS SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE LANS PLAN AREAS IN LIEU OF PLANTING BEDS SHOWN ABOVE.

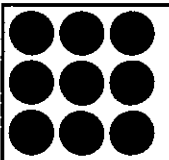
1. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
2. THE CONTRACTOR SHALL VERIFY ALL PLANT MATERIAL, QUALITY, SIZE, AND SPECIES, QUANTITIES AND LISTED FOR THE COMPLETION OF THE CONTRACT, BEFORE THE MATERIAL, SPECIES OR QUANTITIES ARE PLANTED ON THE CONTRACTED SITE.
3. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL TREES, SHRUBS AND VINES, ETC., PLANTED ON THE CONTRACTED SITE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE PROTECTION OF ALL PLANT MATERIAL FROM DAMAGE, AT THE SITE, BY THE CONTRACTOR, SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
4. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
5. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
6. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
7. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
8. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
9. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
10. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
11. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
12. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
13. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
14. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.
15. THE CONTRACTOR SHALL MAINTAIN A QUALITY RECORD OF THE SITE, AT ALL TIMES FROM CONSTRUCTION THROUGH COMPLETION OF ALL WORK.



KEY PLAN
 1"=20'-0"

UPC

WILLIAM PATERSON COLLEGE
 WAYNE • NEW JERSEY



UPC

WILLIAM PATERSON COLLEGE
 WAYNE • NEW JERSEY

ARCHITECTS • ENGINEERS • PLANNERS
 1. Ferguson Place P.O. Box 1027
 12001 9th St. N.E. 12011 9th St. N.E.
 12011 9th St. N.E. 12011 9th St. N.E.

LANDSCAPE PLAN SITE DETAILS

Date: 3-3-83
 Scale: 1/8"=1'-0"

Checked: B.J.
 Drawn: B.J.

5-22