THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER

PROJECT NUMBER 230.1

CONSTRUCTION DOCUMENTS

UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

BICKEL-GIBSON ASSOCIATES ARCHITECTS, INC.
505 SOUTH THIRD STREET LOUISVILLE, KENTUCKY 40202

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

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SET 1 of 2

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BUILDING STATISTICS

KENTUCKY BUILDING CODE COMPLIANCE:

USAGE : GROUP B – RESEARCH BUILDING

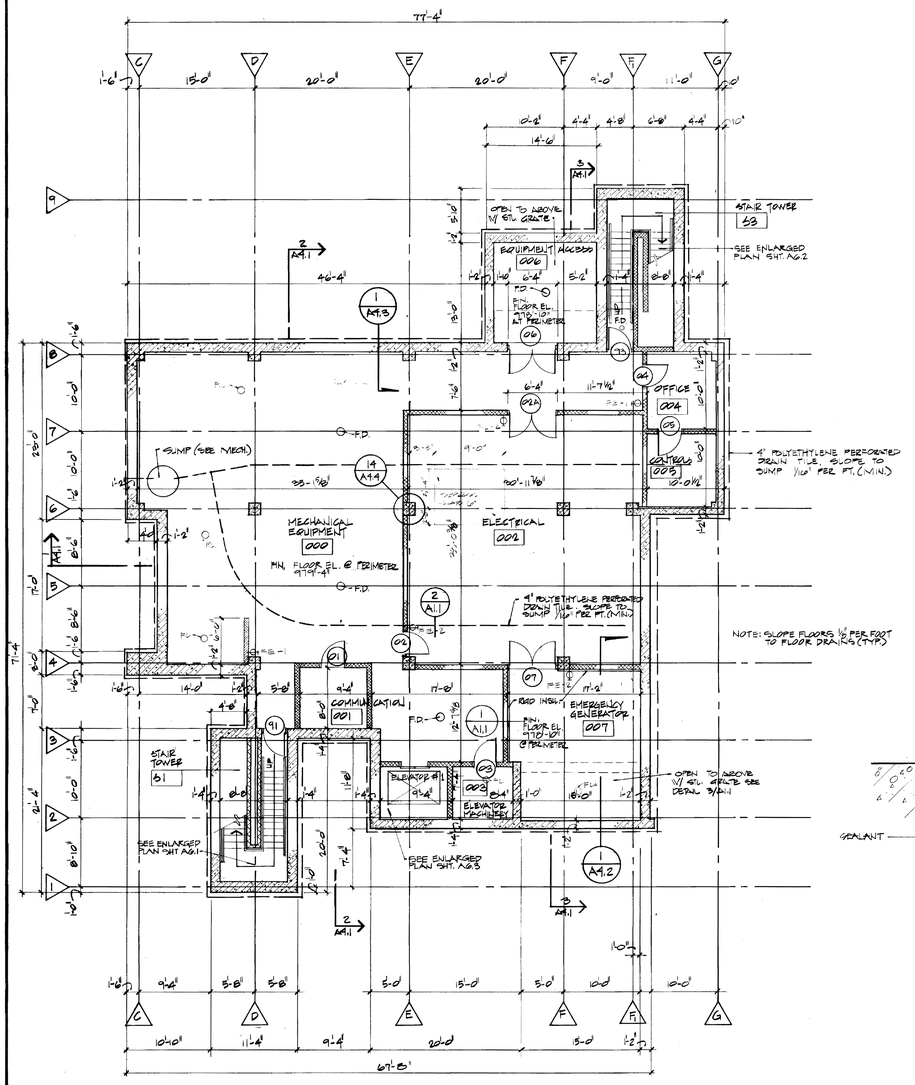
CLASSIFICATION: BUILDING A - 2B
BUILDING B&C - 2C

GROSS SQ. FT. :
BUILDING A - 53015 SQ. FT.
BUILDING B - 6230 SQ. FT.
BUILDING C - 120 SQ. FT.

ANTICIPATED OCCUPANTS:
BUILDING A - 328
BUILDING B - 1
BUILDING C - 0

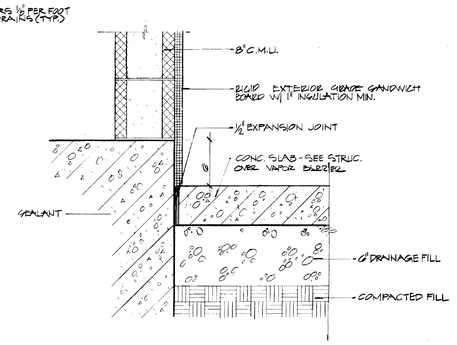
DATE: 5-28-35 SET NO:

Cab.# 107 Slot C-1 Document # 013554



BASEMENT FLOOR PLAN

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



1/A1.1 DETAIL

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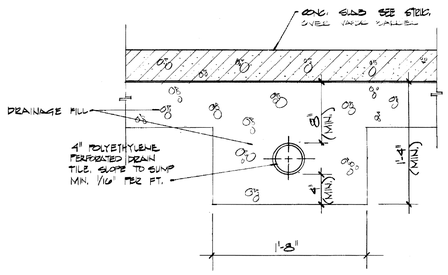

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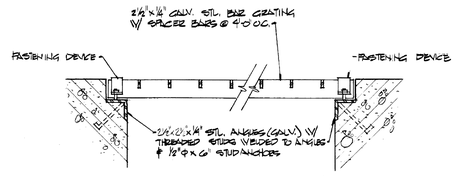

3/A1.1 DETAIL

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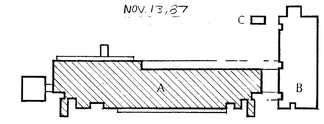


KEY PLAN

F	G	B1	R1	A1
F	G	B1	R1	A1

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
100 MEIDINGER BUILDING
105 SOUTH THIRD STREET
LOUISVILLE KENTUCKY
40202 502 587 0577

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2040 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
805 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEM ON SHEET
- BASEMENT PLAN
- DETAIL

DRAWN BY
TGM MPH

CHECKED BY
LHA

DATE
5-28-85

REVISIONS

Cab # Slot Document #

SHEET NUMBER
A1.1

8412.01/A11/5-28-85

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

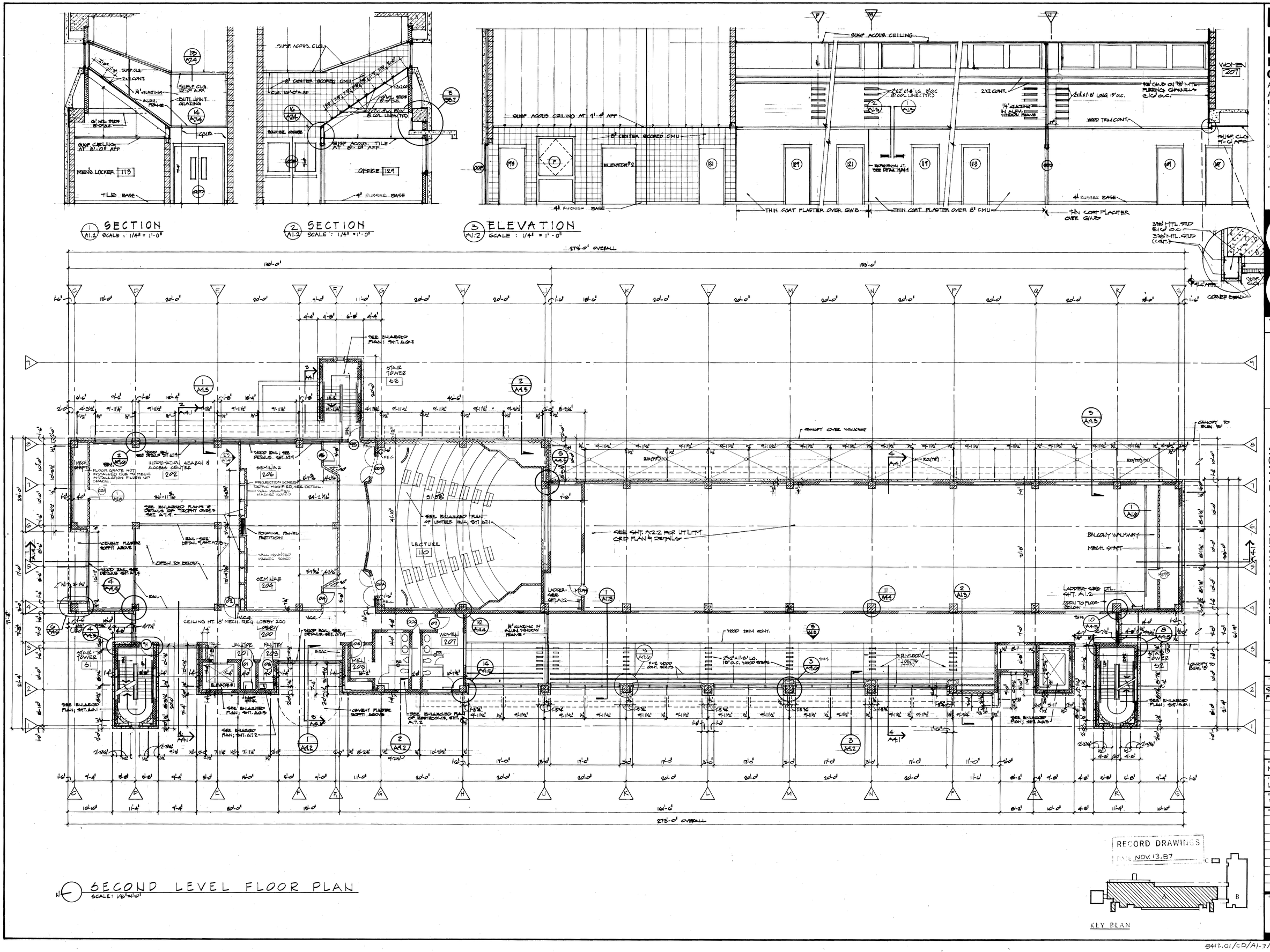
PROJECT NUMBER 8412.01

ITEMS ON SHEET
- FIRST FLOOR PLAN
- DETAILS

DRAWN BY TGM MPH
CHECKED BY LHA
DATE 5-28-85

SHEET NUMBER A1.2

8412.01/CD/A1.2/5-28-85



SECOND LEVEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 9571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2049 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY: [signature]
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
SECOND LEVEL FLOOR PLAN

DRAWN BY
MPH

CHECKED BY
LHA

DATE
5-28-85

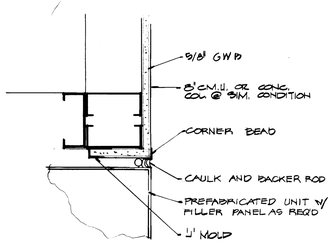
REVISIONS

Cab # Slot Document #

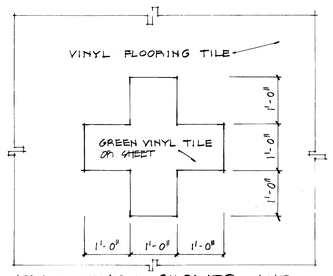
SHEET NUMBER
A1.3

F	C1	B3	R3	A1.3	
F	C1	B3	R3	A1.3	

8412.01/CD/A1-3/5-28-85



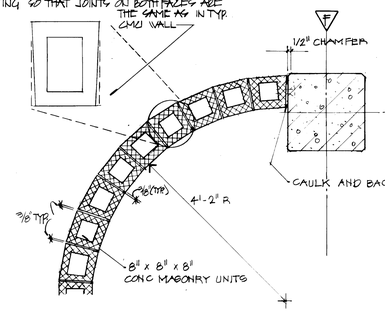
1 A1.4 TYP. DETAIL @ PREFAB. UNITS
SCALE : 3" = 1'-0"



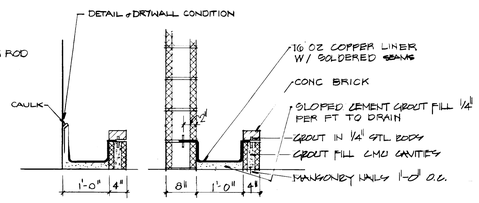
2 A1.4 EMERGENCY SHOWER AND EYEWASH FLOOR DESIGNATION
SCALE : 3/4" = 1'-0"

PROVIDE & INSTL EMERGENCY SHOWER SEE PLUMBING DRAWINGS

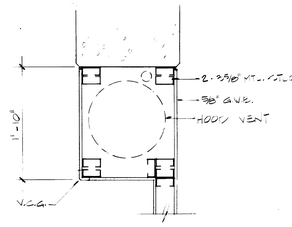
REMOVE INTERIOR FACE OF 8"x8" BLOCK BY CAREFUL CUTTING SO THAT JOINTS ON BOTH FACES ARE THE SAME AS IN TYP. CMU WALL



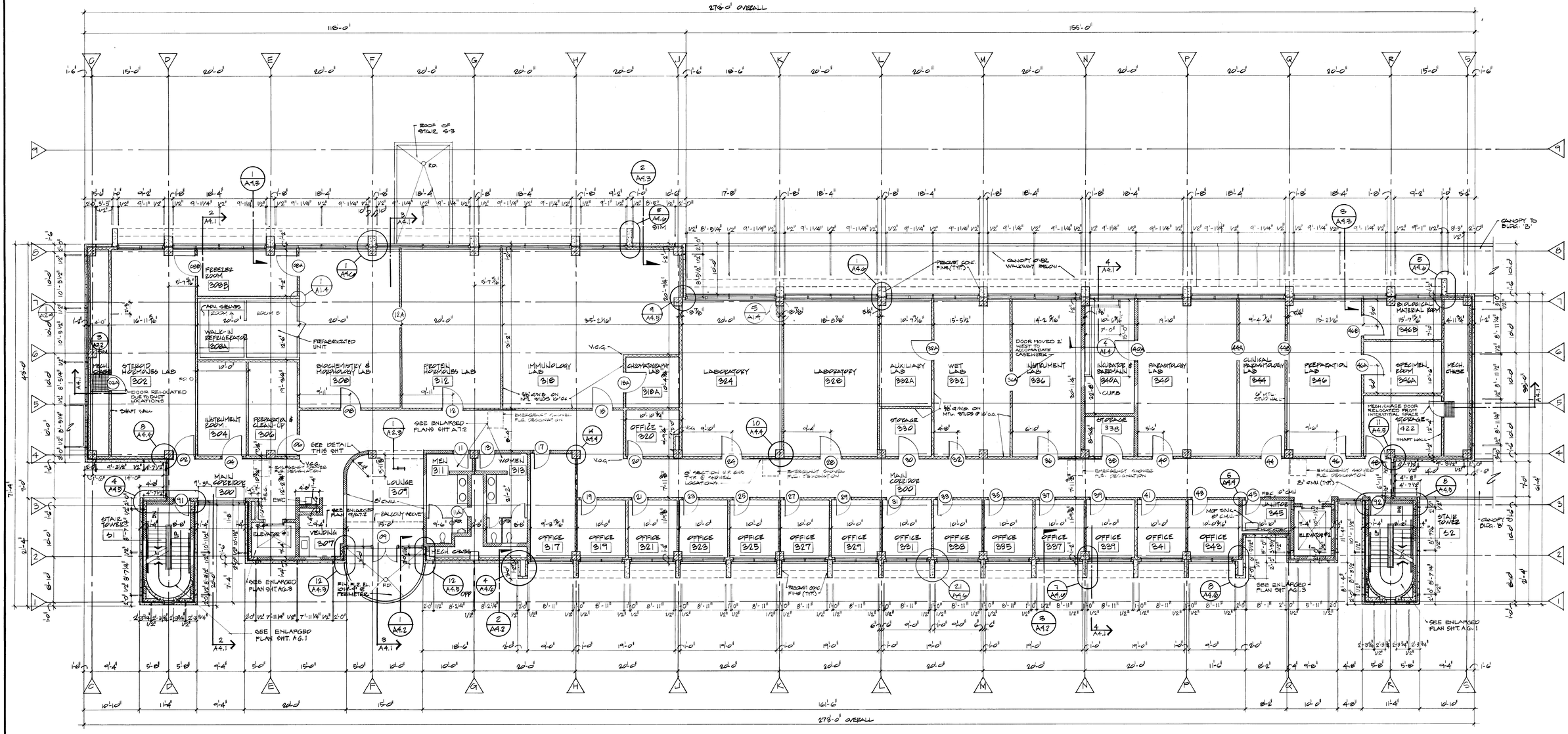
3 A1.4 DETAIL
SCALE : 3/4" = 1'-0"



4 A1.4 TRENCH DETAIL
SCALE : 3/4" = 1'-0"



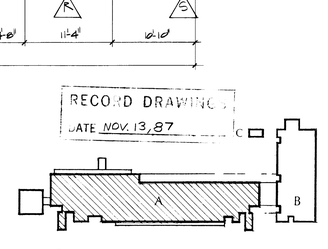
5 A1.4 DETAIL
SCALE : 1"=1'-0"



N. THIRD LEVEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTE: SEE SHEET EQ1.2 FOR ENLARGED PLANS OF LABORATORIES

RECORD DRAWING
DATE NOV. 13, 87



KEY PLAN

B		C2		B4		R4		A1.4															
F		C2		B4		R4		A1.4															

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING
501 SOUTH THIRD STREET
LOUISVILLE KENTUCKY 40202 502 587 0577

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2045 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 COPPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY
UNIVERSITY OF KENTUCKY
CONSTRUCTION DIVISION
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
THIRD FLOOR PLAN
DETAILS

DRAWN BY
TGM, MPH

CHECKED BY
LHA

DATE

REVISIONS

Cab # Slot Document #

SHEET NUMBER
A1.4

8412.01/CD/A1-4/5-28-85

TYP. OUTLET DETAIL @ EXPOSED C.M.U.
SCALE: 1/2" = 1'-0"

NOTE: SEE SHEET E0.3 FOR ENLARGED PLANS OF LABORATORIES

RECORD DRAWINGS
DATE NOV. 13, 87

FOURTH LEVEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING, 505 SOUTH THIRD STREET, LOUISVILLE, KENTUCKY 40202 502 587 6571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE, LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE, LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

UNIVERSITY PROJECT NUMBER 230.1

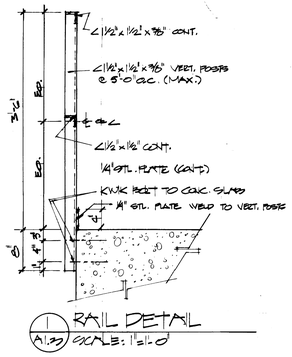
APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION, UNIVERSITY OF KENTUCKY
DATE: 5/28/85

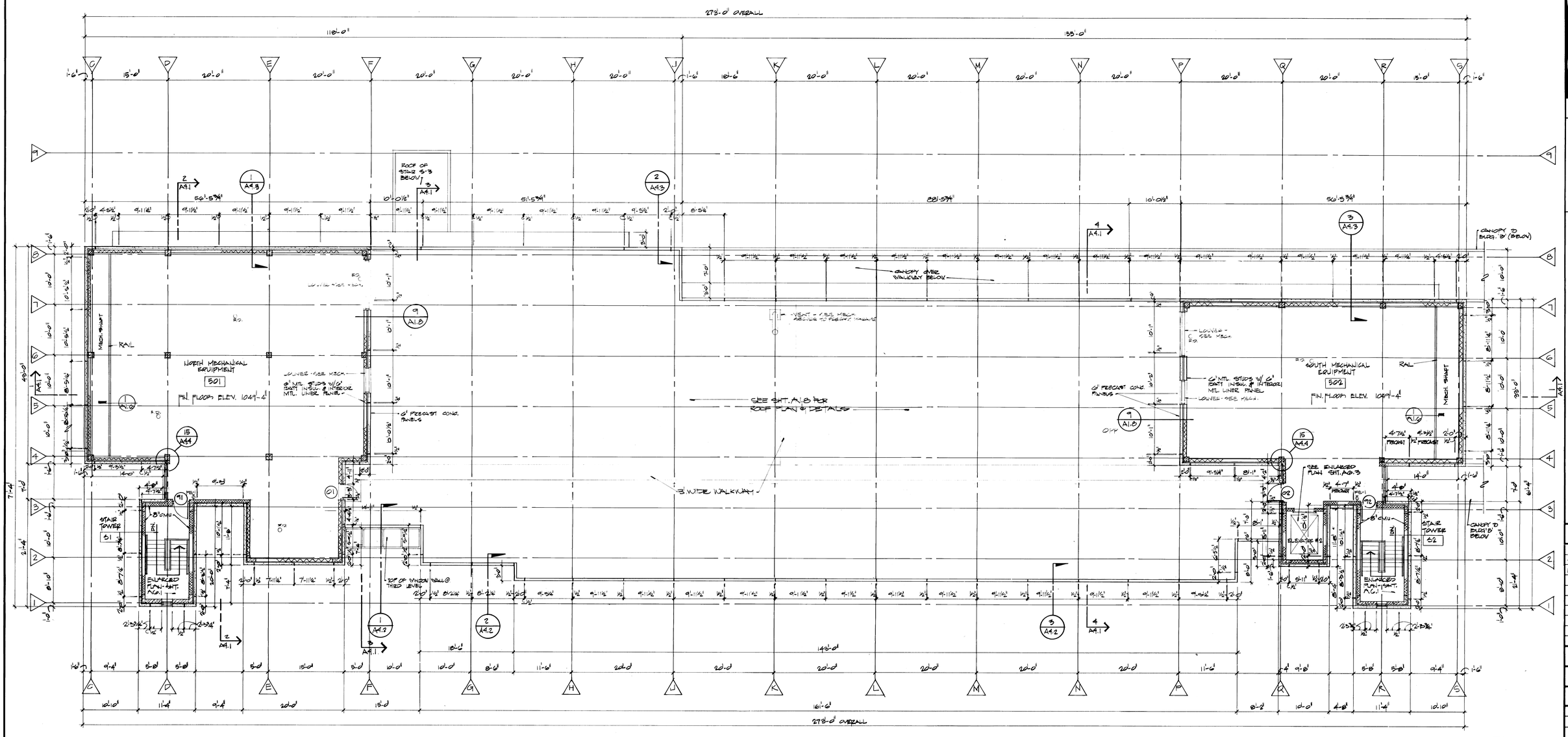
THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET: FOURTH LEVEL FLOOR PLAN
DRAWN BY: MPH, TGM
CHECKED BY: LHA
DATE: 5-28-85
REVISIONS

SHEET NUMBER A1.5

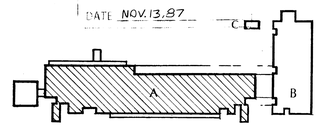
8412.01/CD/A1.5/5-28-85





PENTHOUSE FLOOR PLAN
SCALE: 1/8"=1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87



KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BLVD.
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 0...

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40...
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RA CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40...
MECHANICAL AND ELECTRICAL ENGINEERS

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COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
PENTHOUSE LEVEL FLOOR PLAN

DRAWN BY
T.G.M. P.J.T.

CHECKED BY
L.H.A.

DATE
5-28-85

REVISIONS

SHEET NUMBER
A1.6

F	C2	B6	R6	A1.6
F	C2	B6	R6	A1.6

8412.01/CD/A1.6/5-28

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

ITEMS ON SHEET: FLOOR PLANS, REFLECTED CLG. PLANS & DETAILS BLDGS. 'B' & 'C'

DRAWN BY T.G.M., M.F.H., F.J.T.

CHECKED BY L.H.A.

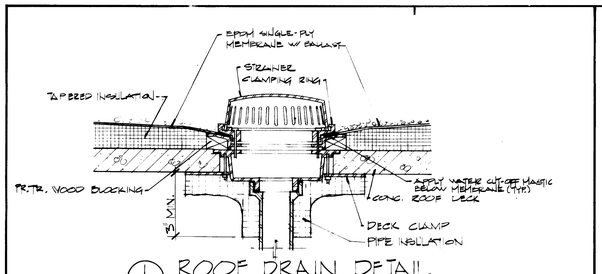
DATE 5-28-85

REVISIONS

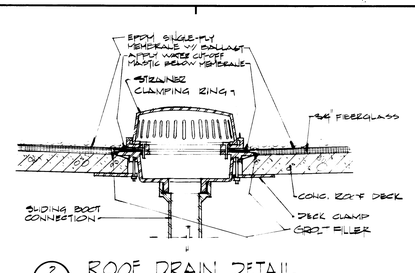
Cab # Slot Document #

SHEET NUMBER **A1.7**

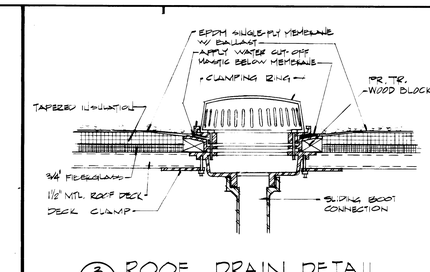
8412.01/CD/A-7/5-28-85



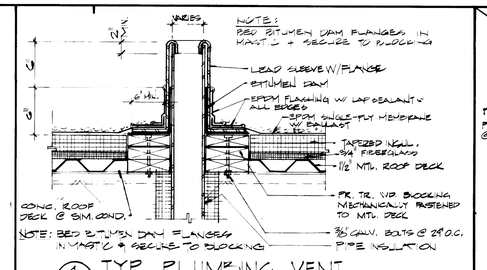
1 A1.8 ROOF DRAIN DETAIL
SCALE: 1½" = 1'-0"



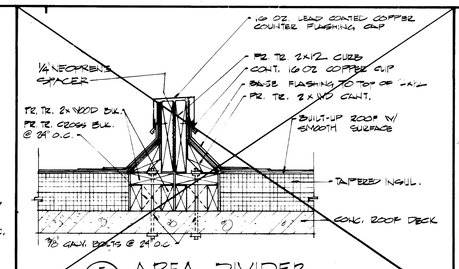
2 A1.8 ROOF DRAIN DETAIL
SCALE: 1½" = 1'-0"



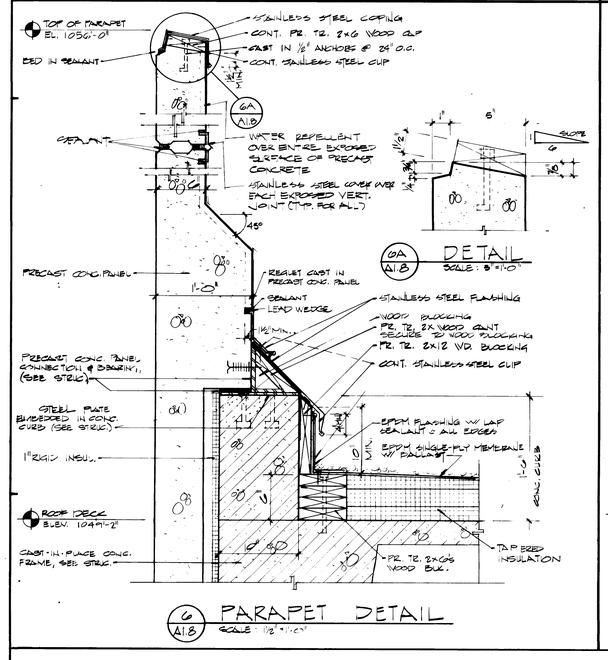
3 A1.8 ROOF DRAIN DETAIL
SCALE: 1½" = 1'-0"



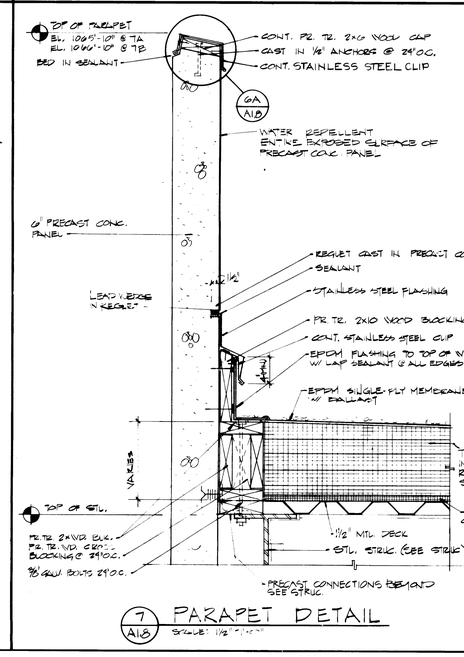
4 A1.8 TYP. PLUMBING VENT
SCALE: 1½" = 1'-0"



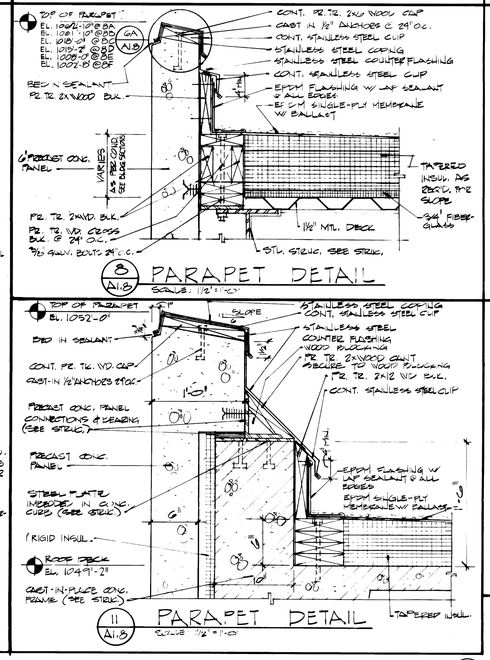
5 A1.8 AREA DIVIDER
SCALE: 1½" = 1'-0"



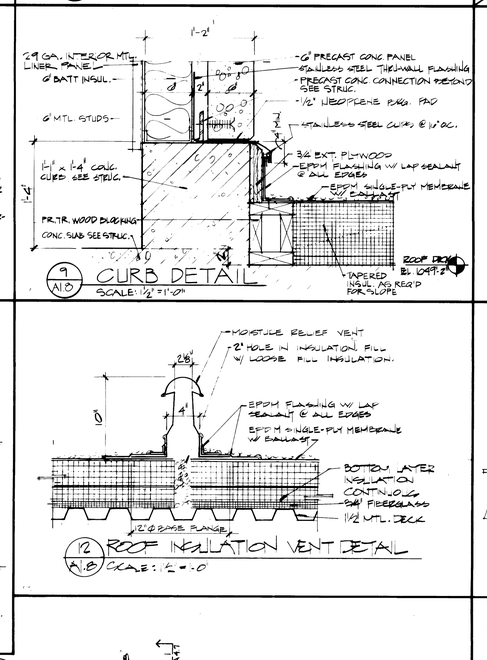
6 A1.8 PARAPET DETAIL
SCALE: 1½" = 1'-0"



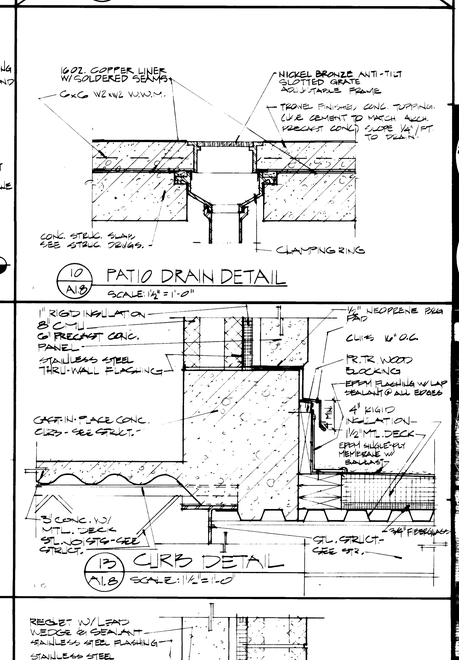
7 A1.8 PARAPET DETAIL
SCALE: 1½" = 1'-0"



8 A1.8 PARAPET DETAIL
SCALE: 1½" = 1'-0"



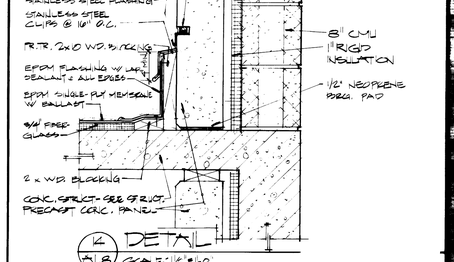
9 A1.8 CURB DETAIL
SCALE: 1½" = 1'-0"



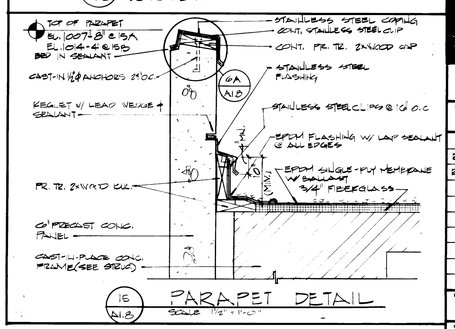
10 A1.8 PATIO DRAIN DETAIL
SCALE: 1½" = 1'-0"

12 A1.8 ROOF INSULATION VENT DETAIL
SCALE: ½" = 1'-0"

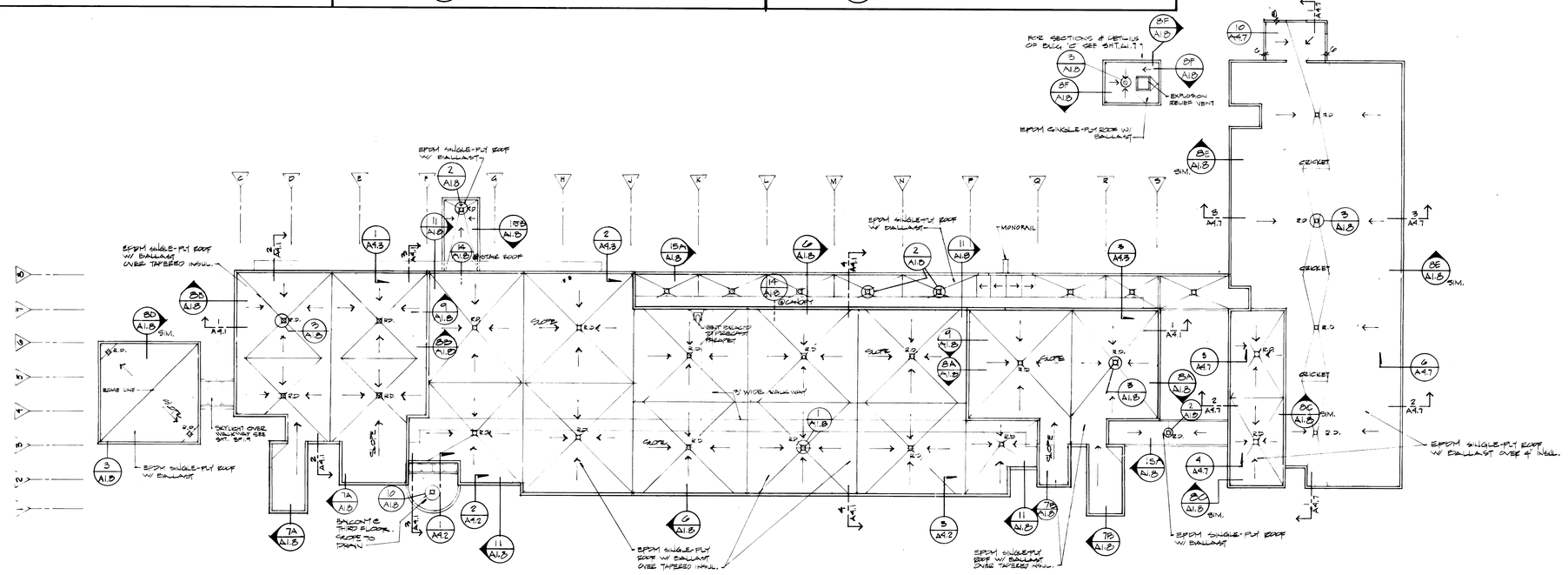
13 A1.8 CURB DETAIL
SCALE: 1½" = 1'-0"



K A1.8 DETAIL
SCALE: 1½" = 1'-0"



15 A1.8 PARAPET DETAIL
SCALE: 1½" = 1'-0"



ROOF PLANS
SCALE: 1/16" = 1'-0"

NOTES:

1. TYPICAL ROOF SLOPE IS EQUAL TO ¼" PER 1'-0" MIN. BY USING TAPERED INSULATION, OR SLOPING THE STRUCTURE AS PER NOTES ON ROOF PLAN.
2. FOR PLUMBING VENT PIPES, SEE DETAIL 4, ON THIS SHEET.
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE INSTALLATION OF PRECAST CONC. PANELS AT ROOF LEVELS W/ ROOFING CONTRACTOR. ROOF INSULATION, WOOD BLOCKING, CANTS AND ROOFING MEMBRANE CAN BE INSTALLED BEFORE PRECAST PANELS IN ORDER TO AVOID CONFLICTS DESIRE TO INSTALL ROOFING MEMBRANE PRIOR TO PRECAST ERECTION. ADEQUATE PROTECTION OF THE ROOF MEMBRANE WILL BE REQUIRED.
4. SEE DETAIL 6/A.8 FOR TYP. VERT. TREATMENT OF PRECAST JOINTS & PARAPET.
5. ROOFING SYSTEM SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIED WARRANTY.
6. BALLAST SHALL BE SMOOTH ROUND RIVER WASHED STONE, ¾" TO 1½" AS APPROVED BY MANUFACTURER. NO. 8 MUST BE RETAINED ON ¾" SCREEN. BALLAST SHALL BE APPLIED AT A MINIMUM RATE OF TEN POUNDS PER SQUARE FOOT.
7. AT PARAPET AND CURB CONDITIONS ROOF MEMBRANE OR EPDM FLASHING SHALL EXTEND 8" MIN. VERTICALLY FROM ROOF SURFACE. EPDM FLASHING SHALL OVERLAP ROOF MEMBRANE 3" MIN. BEHIND FASTENERS.

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES
REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECT

PROJECT NUMBER 8412.01
ITEMS ON SHEET
ROOF PLAN
ROOF DETAILS
DRAWN BY T.J.T. T&M.
CHECKED BY L.H.A.
DATE 5-28-85
REVISIONS
1 9-12-85 ALL PER REVISED ROOF SYSTEM

SHEET NUMBER A1.8

8412.01/CD/A1-8/5-28-85

ROOM FINISH SCHEDULE

Code keys (column headings):

FLOOR	BASE	WALLS (material / finish)	CEILINGS
1 CARPET N.I.C.	1 RUBBER 4" COVE EXCEPT AS NOTED	1 G.W.B.	1 ACOUS. LAY-IN PANEL - SCORED
2 CONCRETE, TREATED	2 WOOD	2 W.P. G.W.B.	2 ACOUS. LAY-IN PANEL - PLAIN
3 QUARRY TILE	3 QUARRY	3 C.M.U.	3 G.W.B., PAINT
4 CERAMIC TILE	4 CERAMIC 4" HT.	4 SCORED C.M.U.	4 W.P. G.W.B., EPOXY COATING
5 VINYL TILE	5 FLOOR FINISH COVE	5 WOOD/GLASS	5 DRYWALL LAY-IN PANEL
6 SLIP/ACID RESISTANT VINYL	6 NONE	6 CONCRETE	6 PREFABRICATED
7 EPOXY COATING		7 PREFABRICATED	7 WOOD
8 EPOXY WITH EXPOSED AGGREGATE		8 METAL LINER PANEL	8 EXPOSED STRUCTURE
9 FLUID APPLIED URETHANE		9 PAINT (finish)	
10 ENTRANCE MAT		10 EPOXY COATING	
11 NEOPRENE MATS		11 THIN-COAT PLASTER (UNPAINTED)	
		12 NONE	
		13 SEAMLESS VINYL	

MARK	ROOM NAME	FLOOR	BASE	WALLS	CEILINGS	CLG HGT	REMARKS
000	MECHANICAL EQUIPMENT	2	6	3, 6, 12	8		
001	COMMUNICATION	2	6	3, 6, 12	8		
002	ELECTRICAL	2	6	3, 6, 12	8		
003	ELEVATOR MACHINERY	2	6	3, 6, 12	8		
004	OFFICE	5	1	3, 6, 9	2	8'-0"	
005	CONTROLS	5	1	3, 6, 9	2	8'-0"	
006	EQUIPMENT ACCESS	2	6	6, 12	8		
007	EMERGENCY GENERATOR		6	3, 6, 12	8		CONCRETE FLOOR
100	RECEPTION	3	2	1, 3, 5, 11	3, 7	VARIES	STAIN WOOD
100A	ENTRY	3, 10	2	1, 5, 11	3, 7	VARIES	STAIN WOOD
100B	SEATING	3	2	1, 3, 11	3, 7	VARIES	STAIN WOOD
100C	EAST EXIT	3	2	1, 3, 5, 11	2	VARIES	" "
100D	ELEVATOR LOBBY - CORRIDOR	3	2	1, 3, 11	1a, 2b	VARIES	a. CEILING NORTH OF COL. LINE H 8'-0" b. CEILING SOUTH OF COL. LINE H
100E	STORAGE	2	6	3, 12	8		
100F	MAIN CORRIDOR	5	1	1, 3a, 4, 9, 11a	2	VARIES	a. WEST WALL ONLY, SEE SHT. A2.2.
100G	RECEIVING AREA	2	1	3, 9	2	9'-4"	
100H	STORAGE	5	1	3, 9	2	9'-4"	
102	WOMEN	3	3	4, 10	2	8'-0"	
103	PHOTOGRAPHIC DARKROOM	6	1	9	2	8'-0"	
104	MEN	3	3	4, 10	2	8'-0"	
105	ELECTRON MICROSCOPE	5	1	1, 9	2	8'-0"	ISOLATION FLOOR SLAB
106	CONFERENCE	1	1	1, 5, 9	1	8'-0"	STAIN WOOD
107	INSTRUMENT ROOM	5	1	1, 9	2	8'-0"	
108	ADMINISTRATION SECRETARY	1	1	1, 5, 9	1	8'-0"	STAIN WOOD
108A	ADMINISTRATION OFFICE	1	1	1, 5, 9	1	8'-0"	STAIN WOOD
108B	BUSINESS OFFICE	1	1	1, 5, 9	1	8'-0"	" "
108C	SECRETARY/CLERK	1	1	1, 5, 9	1	8'-0"	" "
108D	PRINTING/OFFICE SUPPLY	5	1	1, 9	2	8'-0"	
109	PREPARATION	5	1	1, 3, 9	2	8'-0"	
110	LECTURE	1, 8	1, 2	1, 3, 11	1, 5	VARIES	
110A	SERVICE CORRIDOR	8	5	3, 9a, 10b	2	VARIES	a. ABV. 7'-4" b. FLR. TO 7'-4" c. 8" BASE HT.
110B	STORAGE	2	1	1, 9	2	8'-0"	
113	MEN'S LOCKER	4	4	4, 10	4	8'-0"	
114	NUTRITIONAL/CLINICAL PATHOLOGY	6	5	1, 3, 9	2	9'-0"	4" BASE HT.
114A	BALANCE ROOM	5	5	1, 3, 9	2	9'-0"	4" BASE HT.
114B	INSTRUMENT ROOM	5	5	1, 3, 9	2	9'-0"	4" BASE HT.
114C	GLASSWARE WASHING	6	5	1, 3, 9	2	9'-0"	4" BASE HT.
116	OFFICE	5	1	1, 4, 9	1	9'-0"	
117	WOMEN'S LOCKER	4	4	4, 10	4	8'-0"	
118	OFFICE	5	1	1, 4, 9	1	9'-0"	
119	LAUNDRY	4	4	3, 10	2	8'-0"	
121	OFFICE	5	1	1, 9	1	8'-0"	
122	ANATOMY LAB	6	5	3, 10	2	19'-2"	8" BASE HT.
122A	HISTOLOGY PROCESSING	5	1	1, 9	2	9'-0"	
122B	COLD ROOM	11	6	7	6		
122C	HISTOLOGY STORAGE	5	1	1, 9	2	9'-0"	
123	OFFICE	5	1	1, 9	1	8'-0"	
125	OFFICE	5	1	1, 9	1	8'-0"	
126	BIOMECHANICS/PHYSIOLOGY LAB	8	5	3, 10	1	19'-2"	8" BASE
126A	ANIMAL COOLER	6	5	7, 13	6		a. 4" BASE HT. b. 8" BASE HT.
127	OFFICE	5	1	1, 9	1	8'-0"	
129	OFFICE	5	1	1, 4, 9	1	8'-0"	
131	ELEVATOR MACHINERY	2	6	3, 12	8	8'-0"	1 HR. RATED CLG. ASSEMBLY
134	JANITOR	2	6	3, 12	8		
136	DIET	6	5	3, 10	4	9'-0"	8" BASE
138	FREEZERS	5	1	3, 9	2	9'-0"	
140	MAIN CORRIDOR	7	5	3, 9	1, 2	9'-0"	COVE BASE - SEE DET. 11 SHT. A4.6 APPLIES TO ALL ROOMS IN BLDG B WHICH HAVE COVE BASE
141	COMPRESSOR ROOM	2	6	3, 12	8		
143	LABORATORY ANIMAL ROOM	7	5	3, 10	4	9'-0"	
142	CORRIDOR	8	5	3, 10, 12 ABV. 8'	8		EPOXY TO 8' HT. BASE 8" HT.
145	LABORATORY ANIMAL ROOM	7	5	3, 10	4	9'-0"	
146	SOILED CAGE ROOM	7	5	3, 10	4	9'-0"	
147	LABORATORY ANIMAL ROOM	7	5	3, 10	4	9'-0"	
149	LABORATORY ANIMAL ROOM	7	5	3, 10	4	9'-0"	
151	LABORATORY ANIMAL ROOM	7	5	3, 10	4	9'-0"	
152	FEED AND BEDDING STORAGE	2	1	3, 10	8		EPOXY COATING TO 8' HT.
153	INFECTED ANIMAL ROOM	7	5	3, 10	4	9'-0"	
154	SHOWER ROOM	4	4	3, 10	4	9'-0"	4" TILE CURB @ SHOWERS
155	EXPERIMENTAL PONIES AND FOALS	8	5	3, 10	8		EPOXY TO 8' HT.
155A	PONY STALL	9	5	3, 10	8		" "
155B	PONY STALL	9	5	3, 10	8		" "
155C	PONY STALL	9	5	3, 10	8		" "
155D	PONY STALL	9	5	3, 10	8		" "
155E	PONY STALL	9	5	3, 10	8		" "
155F	PONY STALL	9	5	3, 10	8		" "
156	JANITOR	2	6	3, 12	8		
158	FEED AND BEDDING STORAGE	2	1	3, 10	8		EPOXY TO 8' HT.
159	EXPERIMENTAL HORSES	8	5	3, 10	8		" "
159A	HORSE STALL	9	5	3, 10	8		" "
159B	HORSE STALL	9	5	3, 10	8		" "
159C	HORSE STALL	9	5	3, 10	8		" "
159D	HORSE STALL	9	5	3, 10	8		" "
160	HOLDING PENS	8	5	3, 10	8		EPOXY TO 8' HT.
162	FLAMMABLE LIQUIDS STORAGE	2	6	3, 12	8		
200	LOBBY	1	1	1, 4, 9	1	8'-0"	
201	JANITOR	2	6	3, 9	2	8'-0"	
202	INFORMATION SEARCH AND ACCESS	1	1	1, 9	1	8'-0"	
203	PANTRY	5	1	3, 9	1	8'-0"	
204	SEMINAR	1	1	1, 9	1	8'-0"	
205	MEN	4	4	4, 10	1	8'-0"	
206	SEMINAR	1	1	1, 9	1	8'-0"	
207	WOMEN	4	4	4, 10	1	8'-0"	
241	MECHANICAL EQUIPMENT	2	6	3, 12	8		

ROOM FINISH SCHEDULE

MARK	ROOM NAME	FLOOR	BASE	WALLS	CEILINGS	CLG HGT	REMARKS
300	MAIN CORRIDOR	5	1	1, 4, 9	2	9'-6"	
302	STEROID HORMONES LAB	5	1	1, 9	3	9'-0"	
304	INSTRUMENT ROOM	5	1	1, 9	3	9'-0"	
306	PREPARATION AND CLEAN UP	5	1	2, 10	4	9'-0"	
307	VENDING	5	1	4, 9	2	9'-0"	
308	BIOCHEMISTRY AND MORPHOLOGY	5	1	1, 9	3	9'-0"	
308A	WALK IN REFRIGERATOR	11	6	7	6		
308B	FREEZER ROOM	5	1	1, 9	3	9'-0"	
309	LOUNGE	1, 2	1	4, 9	2	VARIES	
311	MEN	4	4	4, 10	2	9'-0"	
312	PROTEIN HORMONES LAB	5	1	1, 9	3	9'-0"	
313	WOMEN	4	4	4, 10	2	9'-0"	
317	GRADUATE STUDENT OFFICE	5	1	1, 4, 9	1	9'-0"	
318	IMMUNOLOGY LAB	5	1	1, 9	2	9'-0"	
318A	CHROMATOGRAPHY LAB	5	1	1, 9	3	9'-0"	
319	GRADUATE STUDENT OFFICE	5	1	1, 9	1	9'-0"	
320	GRADUATE STUDENT OFFICE	5	1	1, 9	1	9'-0"	
321	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
323	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
324	LABORATORY	5	1	1, 9	2	9'-0"	
325	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
327	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
328	LABORATORY	5	1	1, 9	2	9'-0"	
329	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
330	STORAGE	5	1	1, 9	2	9'-0"	
331	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
332	WET LAB	5	1	1, 9	2	9'-0"	BASE 4" HT.
332A	AUXILIARY LAB	5	1	1, 9	2	9'-0"	
333	GRADUATE STUDENT OFFICE	5	1	1, 9	1	9'-0"	
335	ASSOCIATE OFFICE	5	1	1, 9	1	9'-0"	
336	INSTRUMENT LAB	5	1	1, 3, 9	2	9'-0"	
337	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
338	STORAGE	5	1	1, 3, 9	1	9'-0"	
340	PARASITOLOGY LAB	5	1	2, 3, 10	2	9'-0"	
340A	INCUBATOR AND BAERMANN ROOM	6	5	3, 10	4	9'-0"	BASE 4" HT.
341	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
343	PROFESSIONAL OFFICE	5	1	1, 4, 9	1	9'-0"	
344	CLINICAL PARASITOLOGY	5	1	2, 10	2	9'-0"	
345	JANITOR	2	1	3, 12	2	9'-0"	
346	PREPARATION LAB	5	1	2, 10	2	9'-0"	
346A	SPECIMEN ROOM	5	1	2, 9	2	9'-0"	
346B	BIOLOGICAL MATERIAL ROOM	5	1	2, 9	2	9'-0"	
348	STORAGE	5	1	1, 9	2	9'-0"	
400	CORRIDOR	5	1	1, 4, 9	2	9'-4"	
402	BACTERIOLOGICAL RESEARCH LAB	5	1	1, 9	3	9'-0"	
402A	WALK IN REFRIGERATOR	11	6	7	6		
402B	BACTERIOLOGY CUBICLE	6	5	1, 9	3	9'-0"	
404	SERVICE LAB I	5	1	1, 9	3	9'-0"	
404A	STORAGE	5	1	1, 9	3	9'-0"	
406	SERVICE LAB II	5	1	1, 9	3	9'-0"	
406A	SERVICE LAB III	5	1	1, 9	3	9'-0"	
407	STORAGE	5	1	3, 9	2	9'-0"	
408	STORAGE	5	1	1, 9	2	9'-0"	
411	MEN	4	4	1, 4, 10	2	9'-0"	
412	GENERAL VIROLOGY LAB	5	1	1, 9	3	9'-0"	
412A	WALK IN REFRIGERATOR	11	6	7	6		
412B	RADIOISOTOPE AREA	5	1	1, 9	3	9'-0"	
413	WOMEN	4	4	4, 10	2	9'-0"	
416	GENERAL VIROLOGY LAB	5	1	1, 9	3	9'-0"	
416A	WALK-IN REFRIGERATOR	11	6	7	6		
416B	RADIOSOTOPE AREA	5	1	1, 9	3	9'-0"	
418	EPIDEMIOLOGY LAB	5	1	1, 9	2	9'-0"	
421	SECRETARIAL	5	1	1, 4, 9	1	9'-0"	
422	MICROSCOPY AND PHOTOMICROSCOPY	5	1	1, 9	3	9'-0"	
422A	ISOLATED CUBICLE	5	1	1, 9	3	9'-0"	
423	SEMINAR	5	1	1, 9	1	9'-0"	
426	INSTRUMENT ROOM I	5	1	1, 9	3	9'-0"	
427	EDIDEMIOLOGY OFFICE	5	1	1, 9	1	9'-0"	
429	GRADUATE STUDENT OFFICE	5	1	1, 9	1	9'-0"	
430	INSTRUMENT ROOM II	5	1	1, 9	3	9'-0"	
431	GRADUATE STUDENT OFFICE	5	1	1, 9	1	9'-0"	
433	GRADUATE STUDENT OFFICE	5	1	1, 9	1	9'-0"	
435	ASSOCIATE OFFICE	5	1	1, 9	1	9'-0"	
436	STORAGE	5	1	1, 9	2	9'-0"	
437	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
439	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
440	GENERAL VIROLOGY LAB I	5	1	1, 9	3	9'-0"	
441	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
443	PROFESSIONAL OFFICE	5	1	1, 9	1	9'-0"	
444	GENERAL VIROLOGY LAB II	5	1	1, 9	3	9'-0"	
445	PROFESSIONAL OFFICE	5	1	1, 4, 9	1	9'-0"	
446	VIROLOGY CUBICLE ROOM	5	1	1, 9	3	9'-0"	
447	JANITOR	2	1	3, 9	2	9'-0"	
448	GENERAL VIROLOGY LAB III	5	1	1, 9	3	9'-0"	
450	GENERAL VIROLOGY LAB IV	5	1	1, 9	3	9'-0"	
501	NORTH MECHANICAL EQUIPMENT	2	6	3, 8	8		
502	SOUTH MECHANICAL EQUIPMENT	2	6	3, 8	8		
S1	NORTHWEST TOWER	2	1	1, 3, 11	1	VARIES	
S2	SOUTHWEST TOWER	2	1	1, 3, 11	1	VARIES	
S3	NORTHEAST EXTERIOR		6	3, 9	8		CONCRETE FLOORS & STEPS PAINT ALL FERROUS METAL

RECORD DRAWINGS
DATE NOV. 13, 87

36

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET LOUISVILLE KENTUCKY 40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2061 REGENCY CIRCLE LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

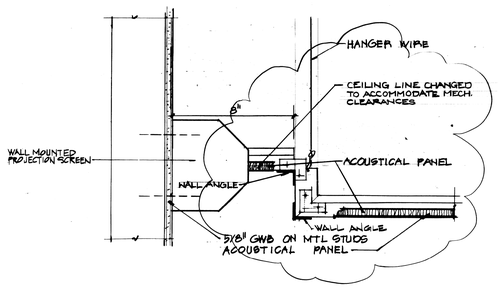
THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET: ROOM FINISH SCHEDULE
DRAWN BY TGM
CHECKED BY LHA
DATE 5-28-85
REVISIONS

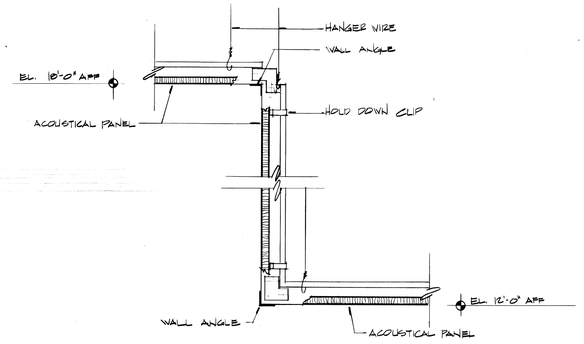
Cab # Slot Document #

SHEET NUMBER A1.9

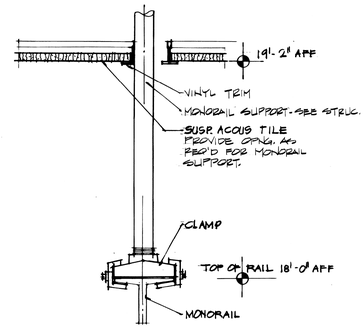
8412.01/CD/A1-9/5-28-85



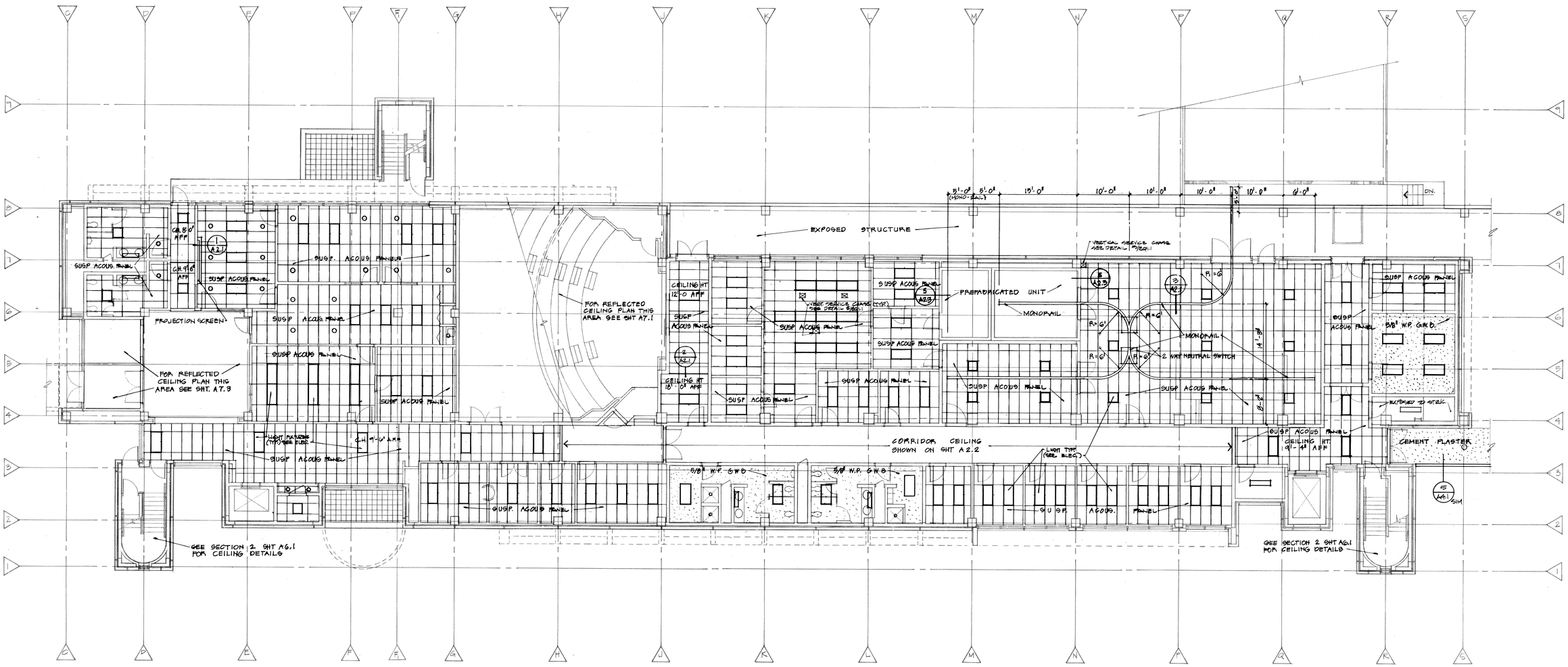
1 A2.1 DETAIL
SCALE: 3" = 1'-0"



2 A2.1 DETAIL
SCALE: 3" = 1'-0"

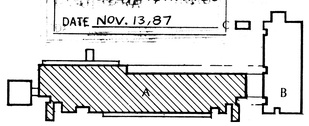


3 A2.1 DETAIL
SCALE: 3" = 1'-0"



N FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87



KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 9571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
FIRST FLOOR REFLECTED CLG. PLAN

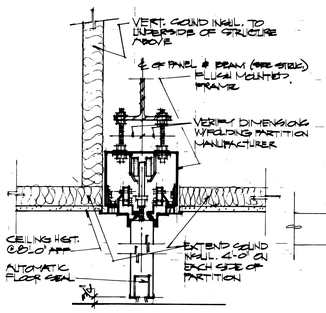
DRAWN BY T.G.M.
CHECKED BY L.H.A.
DATE 5-28-85
REVISIONS

Cab #	Slot	Document #
107	C-1	013564

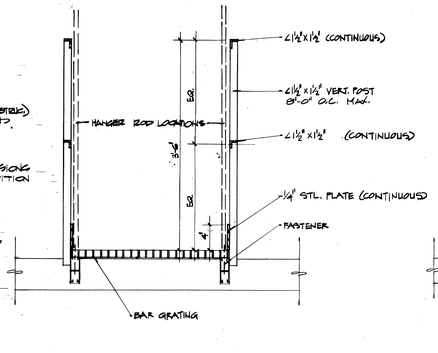
SHEET NUMBER
A2.1

F	C1	B2	A2.1
F	S1	B3	A2.1

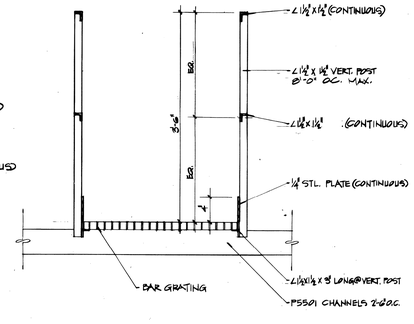
8412.01/CD/A2.1/5-28-85



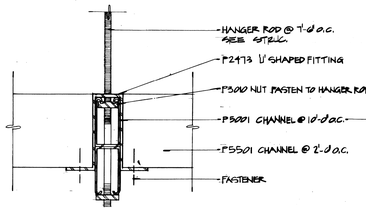
1 A2.2 SECTION (HEAD OF MOVABLE PARTITIONS)
SCALE: 1½"=1'-0"



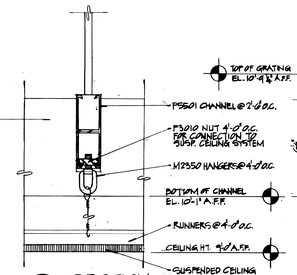
2 A2.2 CATWALK DETAIL
SCALE: 1"=1'-0"



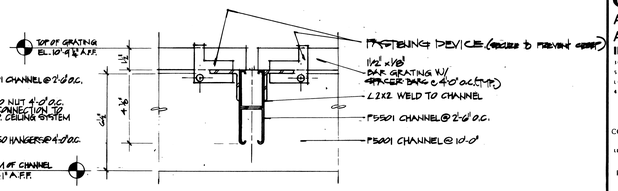
3 A2.2 CATWALK DETAIL
SCALE: 1"=1'-0"



4 A2.2 SECTION
SCALE: 3"=1'-0"

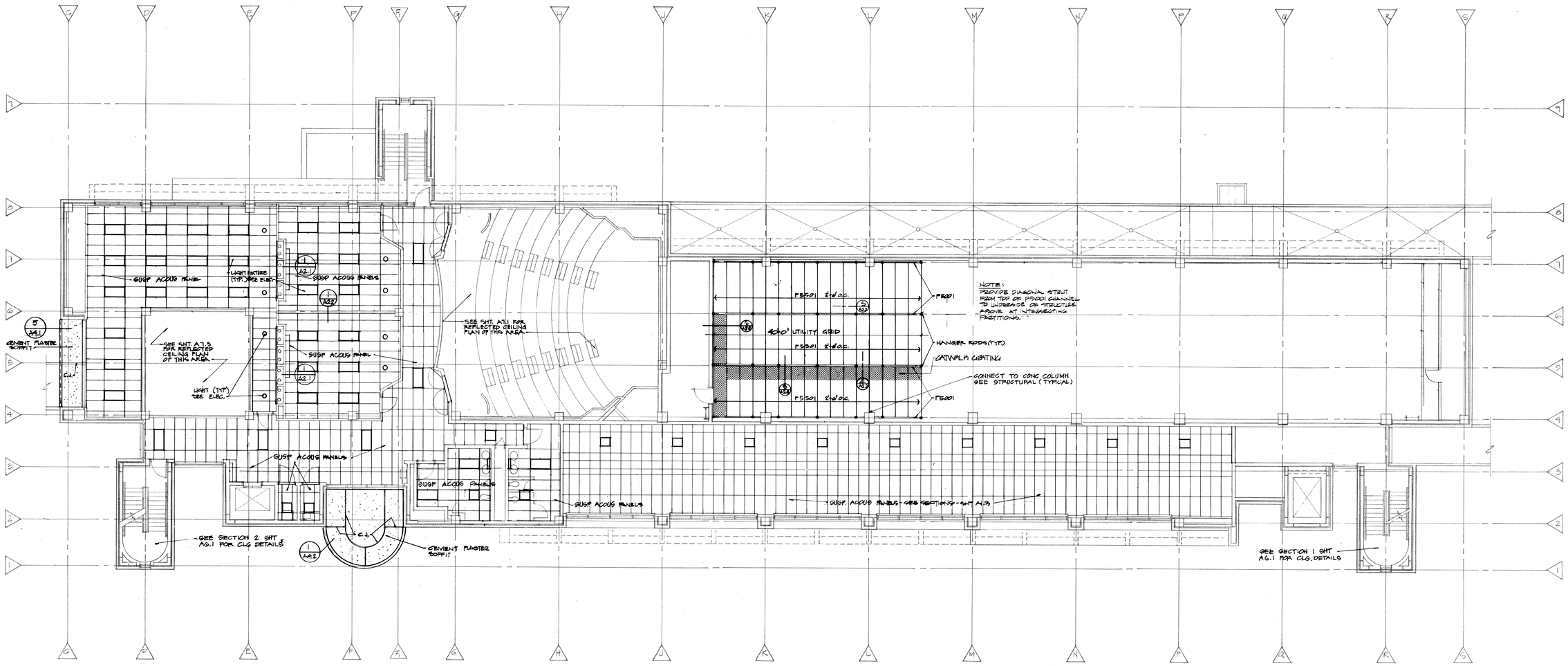


5 A2.2 SECTION
SCALE: 3"=1'-0"



6 A2.2 TYP. DETAIL @ END OF GRATING SECTIONS
SCALE: 3"=1'-0"

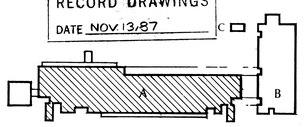
NOTE: PART NUMBERS ARE THOSE OF UNISTRUT. SEE SPECS.



NOTE: PROVIDE DIAGONAL STRUT FROM TOP OF P5001 CHANNEL TO UNDERSIDE OF STRUCTURE ABOVE AT INTERSECTING PARTITIONS.

SECOND FLOOR REFLECTED CEILING PLAN — UTILITY GRID PLAN
SCALE: 1/8"=1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87



KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2045 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
SECOND FLOOR REFLECTED CEILING PLAN & UTILITY GRID PLAN

DRAWN BY TGM
CHECKED BY LHA
DATE 5-28-85
REVISIONS

SHEET NUMBER A2.2

Cab #	Slot	Document #
107	C-1	013565

F	C1	B5	A2.2
F	B1	B5	A2.2

8412.01/CD/A2.2/5-28-85

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION, UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

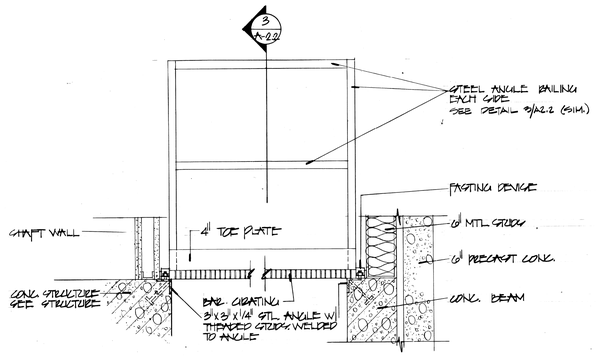
PROJECT NUMBER 8412.01

ITEMS ON SHEET: THIRD FLOOR REFLECTED CEILING PLAN & DETAILS

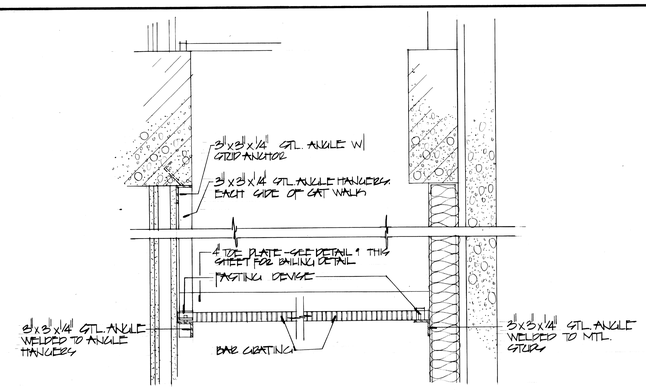
DRAWN BY T.G.M. F.J.T.
CHECKED BY L.H.A.
DATE 5-28-85

SHEET NUMBER A2.3

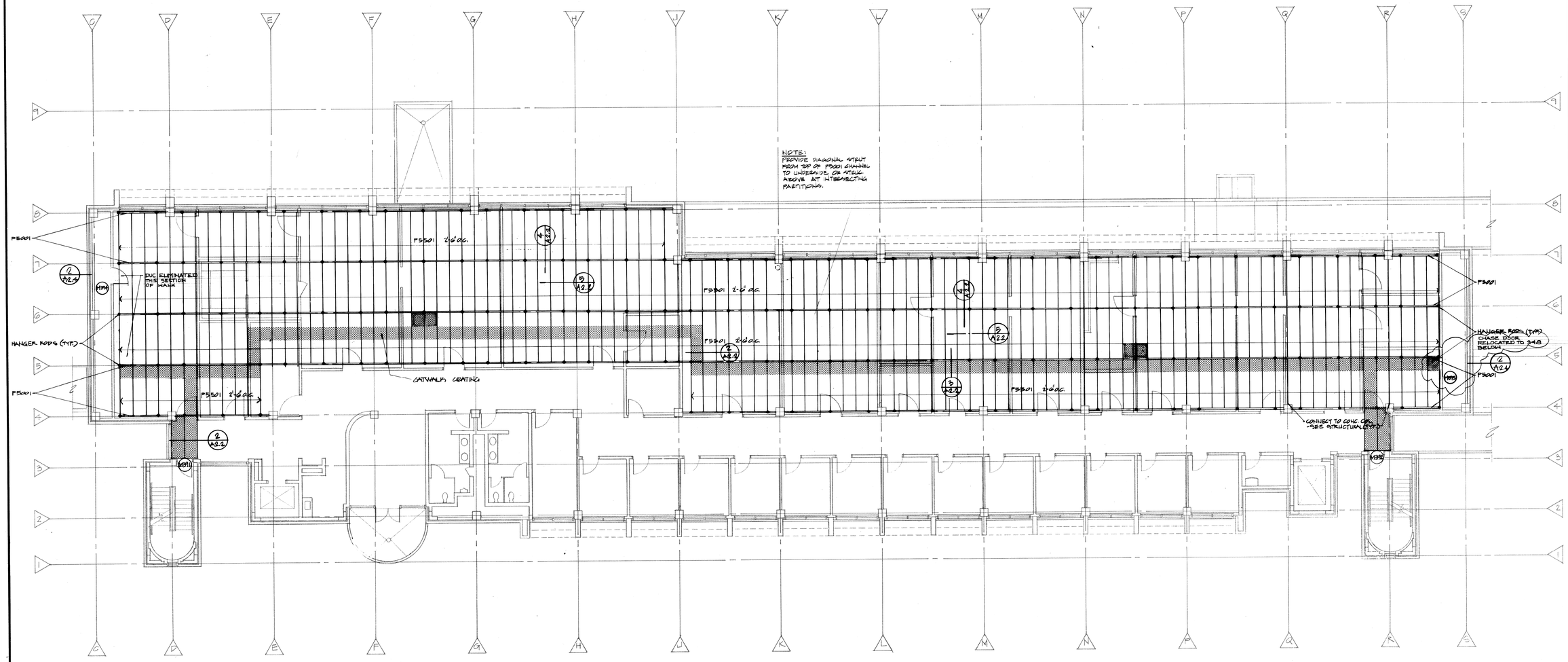
8412.01/CD/A2-3/5-28-85



1 DETAIL
A-2.4 SCALE: 1"=1'-0"

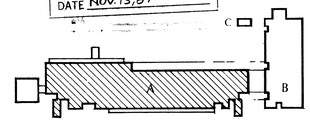


2 DETAIL
A-2.4 SCALE: 1"=1'-0"



THIRD FLOOR UTILITY GRID PLAN
SCALE: 1/8" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87



KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2044 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY: [signature]
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
THIRD FLOOR UTILITY GRID PLAN

DRAWN BY
T.G.M.

CHECKED BY
L.H.A.

DATE
5-28-85

REVISIONS

Cab # Slot Document #

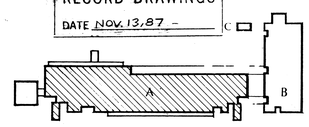
SHEET NUMBER
A2.4

F	C2	B4	A2.4
F	C2	B4	A2.4

8412.01/CD/A2-4/5-28-85

FOURTH FLOOR REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87



KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET FOURTH FLOOR REFLECTED CEILING PLAN

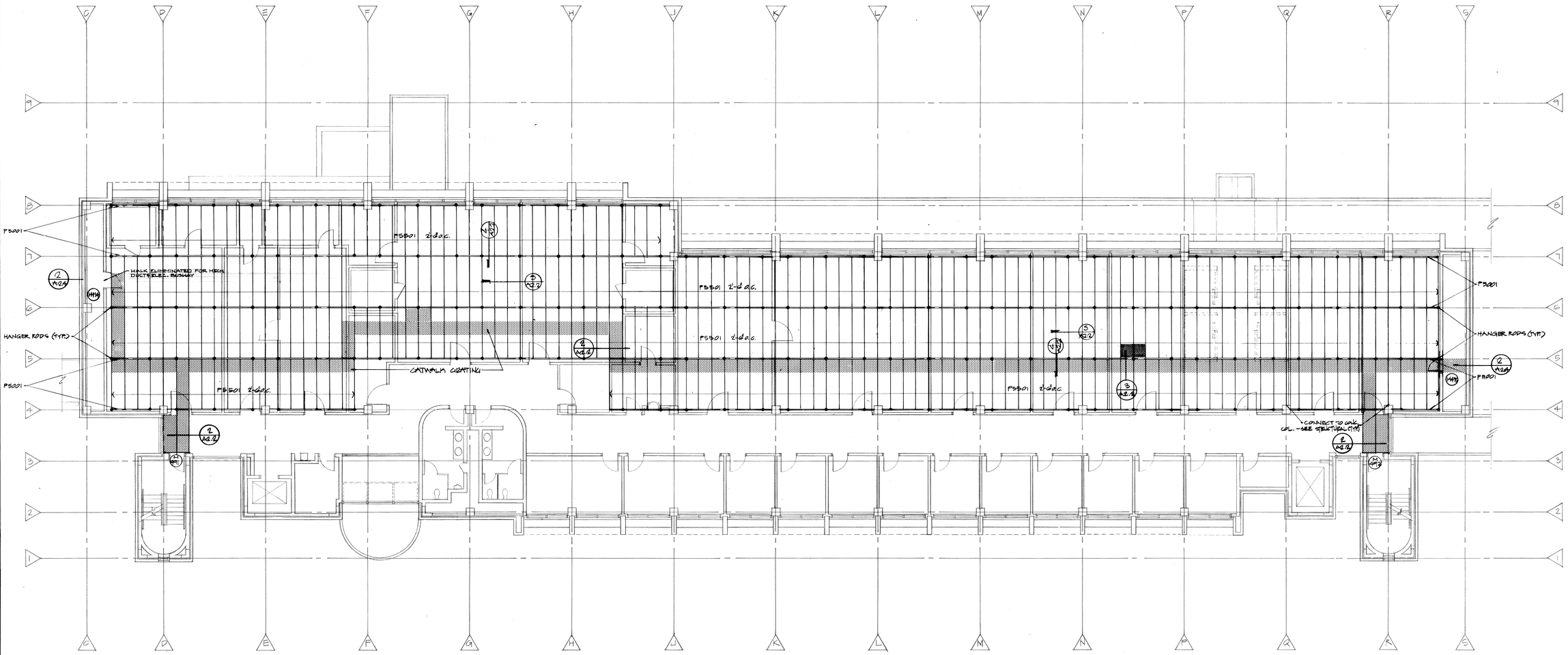
DRAWN BY T.G.M.
CHECKED BY L.H.A.
DATE 5-28-85
REVISIONS

Cab # 107 Slot C-1 Document # 013568

SHEET NUMBER A2.5

F	C2	B5	A2.5
F	B2	B5	A2.5

8412.01/CD/A2.5/5-28-85

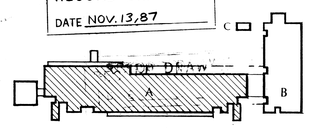


N

FOURTH FLOOR UTILITY GRID PLAN

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

RECORD DRAWINGS
DATE NOV. 13,87



KEY PLAN

A2.6	A2.6	
B/5	B/5	
C2	C2	
E	E	

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING
501 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 9571

WHITE, WALKER & McKEYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR, DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
FOURTH FLOOR UTILITY GRID PLAN

DRAWN BY
T.G.M.

CHECKED BY
L.H.A.

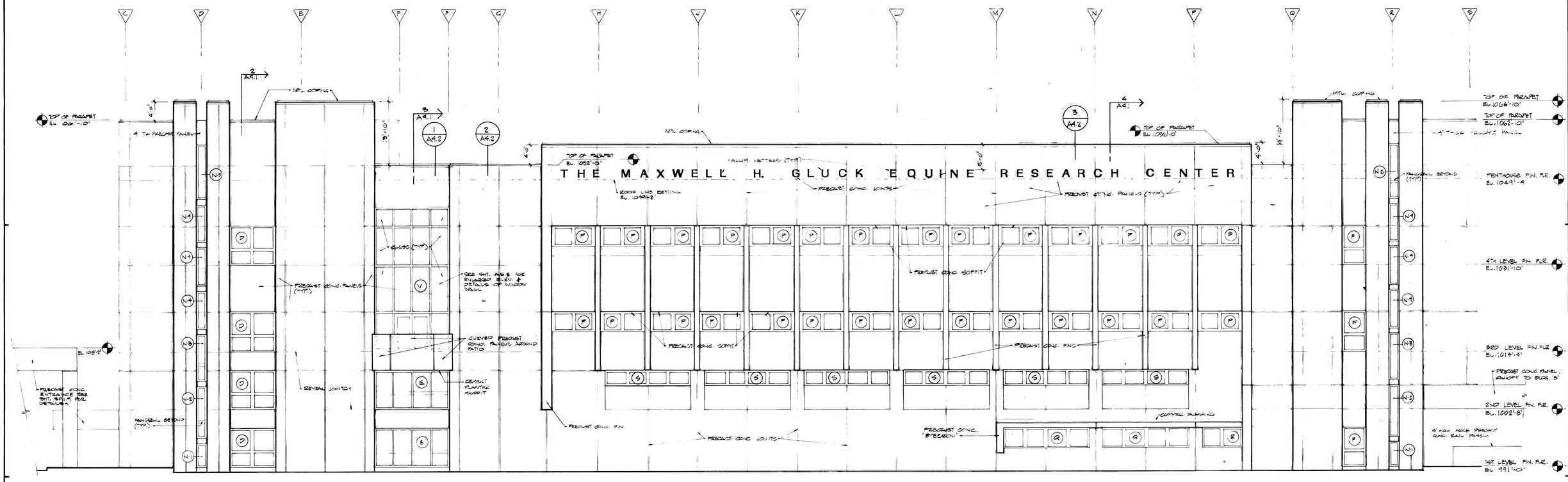
DATE
5-20-85

REVISIONS

Cab # Slot Document #
107 C-1 013569

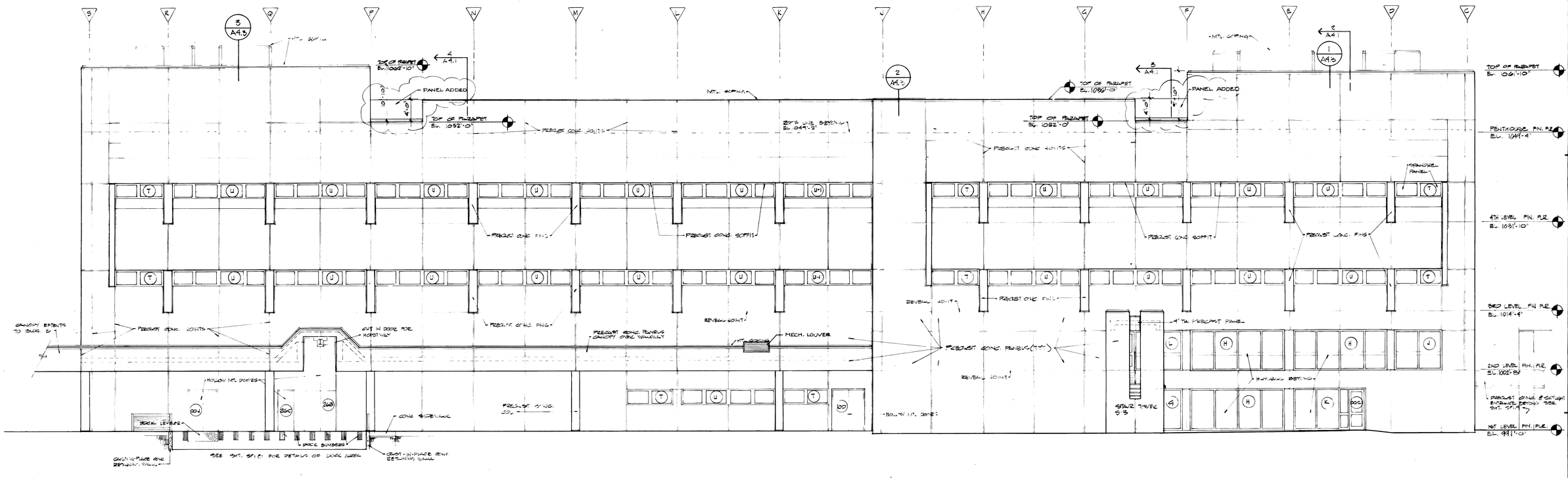
SHEET NUMBER
A2.6

8412.01/CD/A2.6/5-28-85



WEST ELEVATION BLDG. 'A'

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



EAST ELEVATION BLDG. 'A'

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

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502/587-0577

WHITE, WALKER & MCREYNOLDS CONSULTING ENGINEERS
2041 REGENCY ROAD
LEXINGTON, KENTUCKY 40503 606/276-4748

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
200 CONGRESS PARK
LEXINGTON, KENTUCKY 40507 606/252-8867
STRUCTURAL AND MECHANICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343 1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

230.1

APPROVED BY: UNIVERSITY OF KENTUCKY CONSTRUCTION DIRECTOR
DATE:

THE MAXWELL H. GLUCK EQUINE REBEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

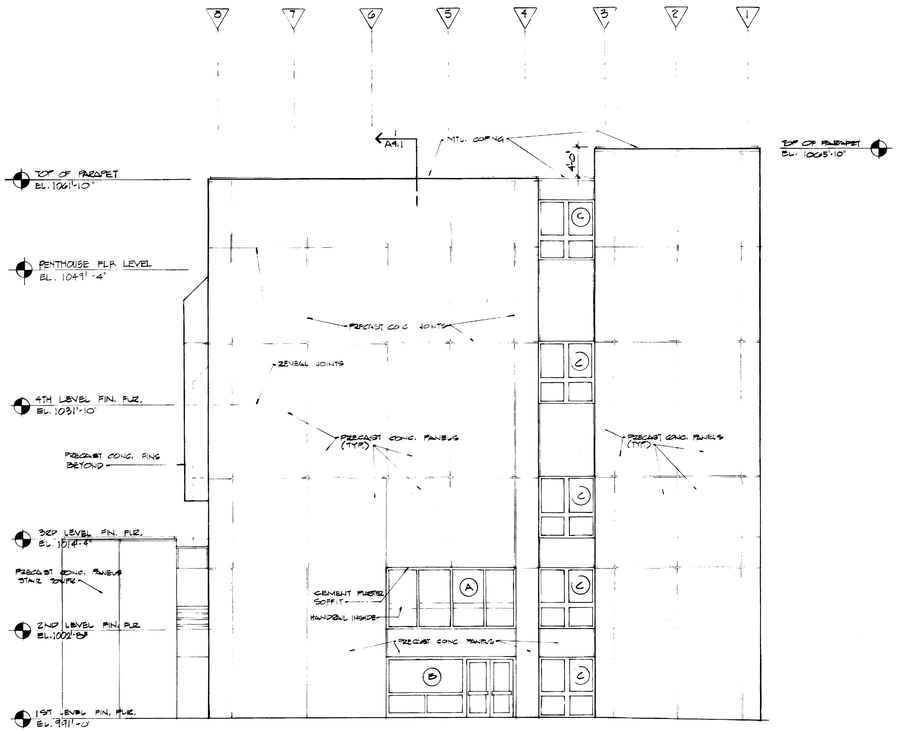
PROJECT NUMBER 8412.01

ITEMS ON SHEET
BUILDING ELEVATIONS BLDG. 'B'

DRAWN BY P.J.T.
CHECKED BY L.H.A.
DATE 5-28-87
REVISIONS

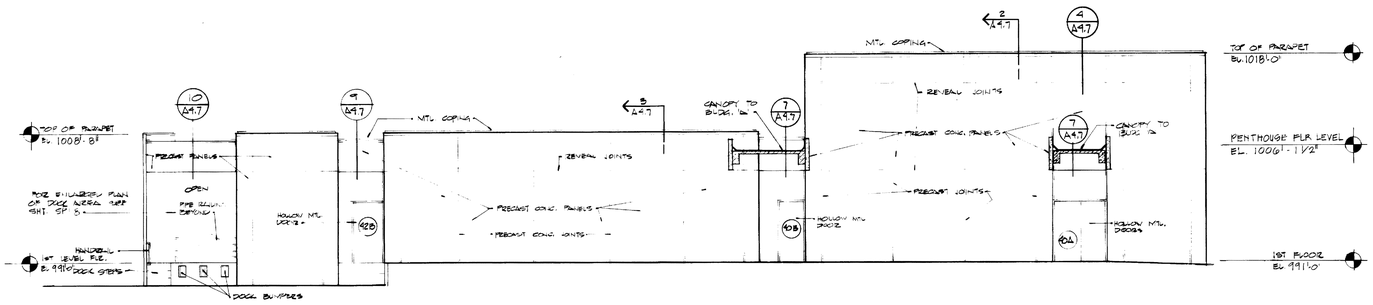
SHEET NUMBER **A3.1**

8412.01/CD/A3.1/5-28



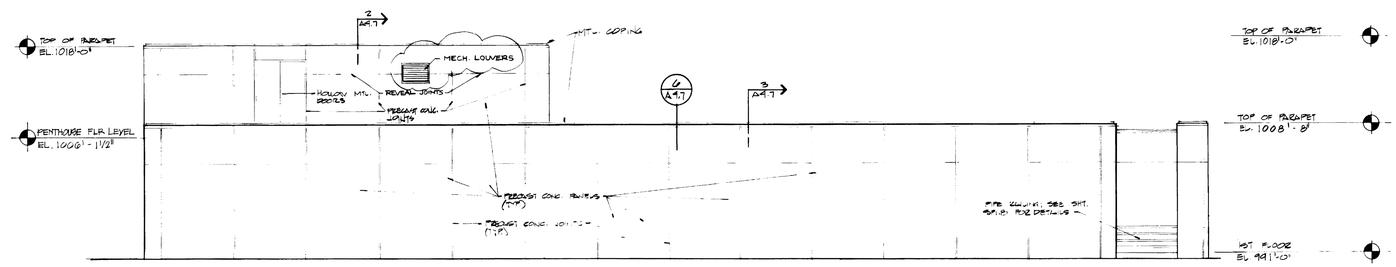
NORTH ELEVATION BLDG. 'A'

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



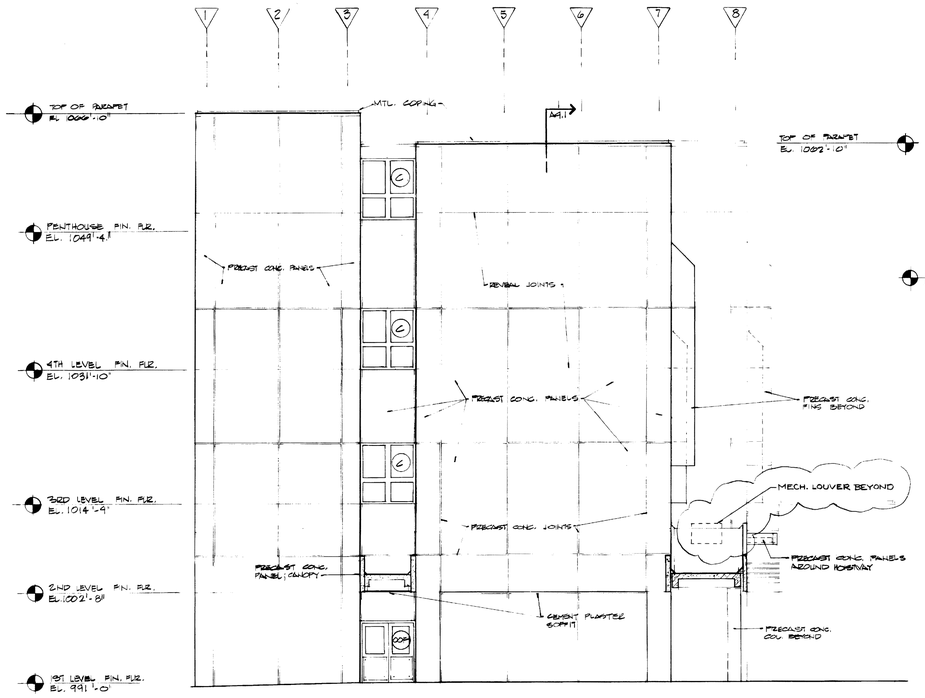
NORTH ELEVATION BLDG. 'B'

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



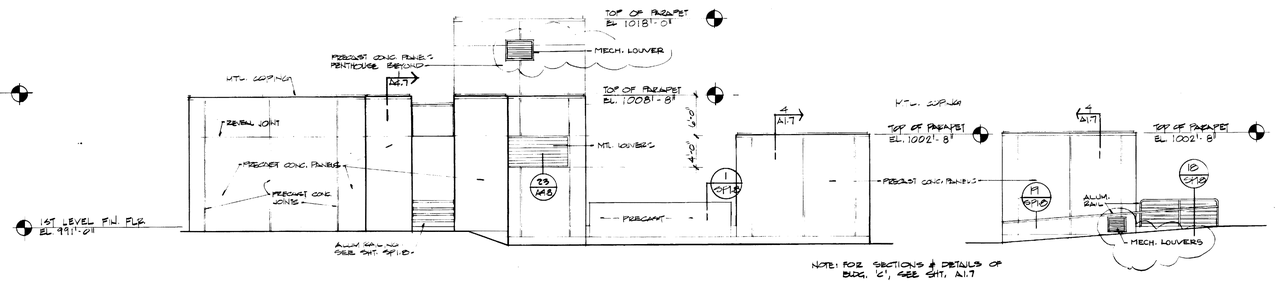
SOUTH ELEVATION BLDG. 'B'

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



SOUTH ELEVATION BLDG. 'A'

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

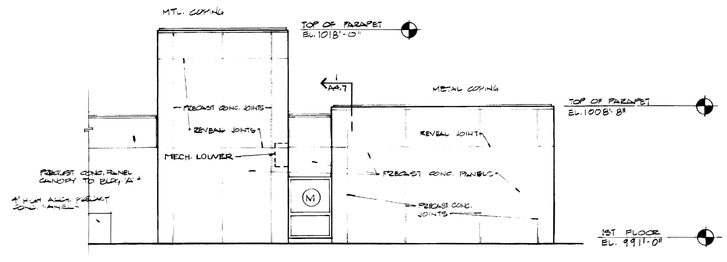


EAST ELEVATION BLDG. 'B' & BLDG 'C'

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

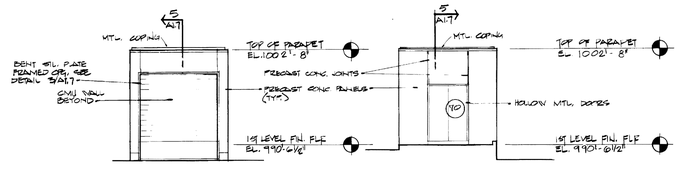
WEST ELEVATION BLDG 'C'

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



WEST ELEVATION BLDG. 'B'

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



NORTH ELEVATION BLDG 'C'

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

SOUTH ELEVATION BLDG. 'C'

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

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 0571

WHITE, WALKER & MCREYNOLDS CONSULTING ENGINEERS
3001 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
520 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343 1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

230.1

APPROVED BY: DIRECTOR OF PLANNING & CONSTRUCTION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

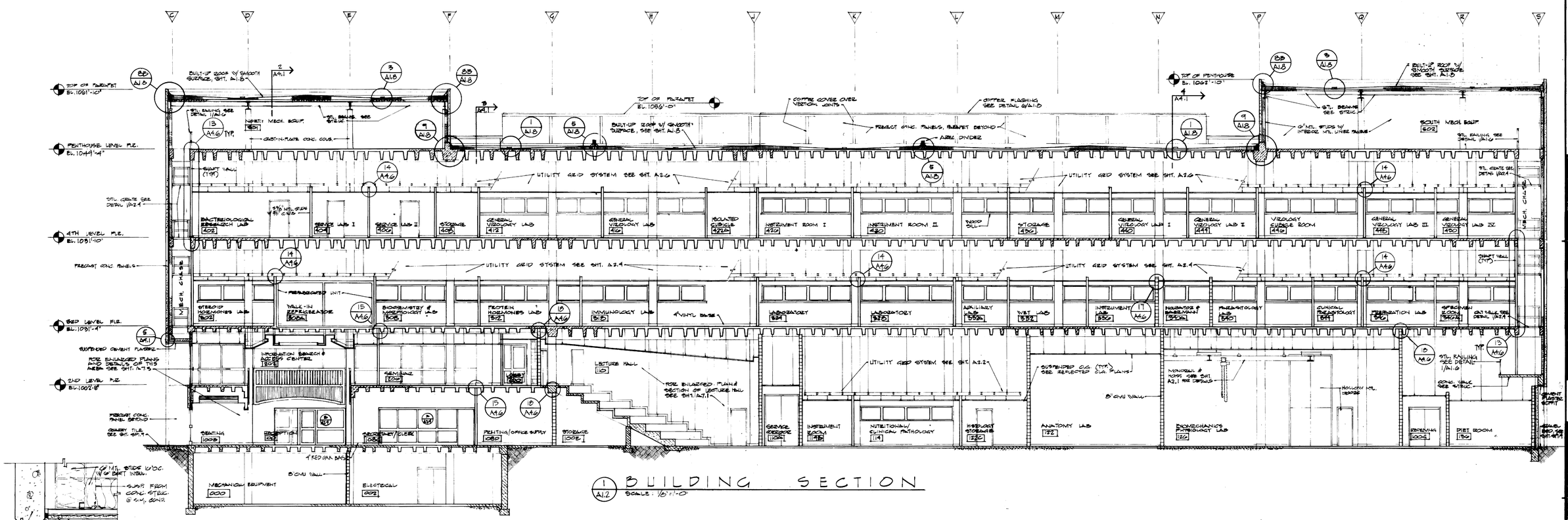
PROJECT NUMBER 8412.01

ITEMS ON SHEET
BUILDING ELEVATIONS
BLDG. 'A'
BLDG. 'B'
BLDG. 'C'

DRAWN BY P.N.T.
CHECKED BY L.H.A.
DATE 5-28-85
REVISIONS

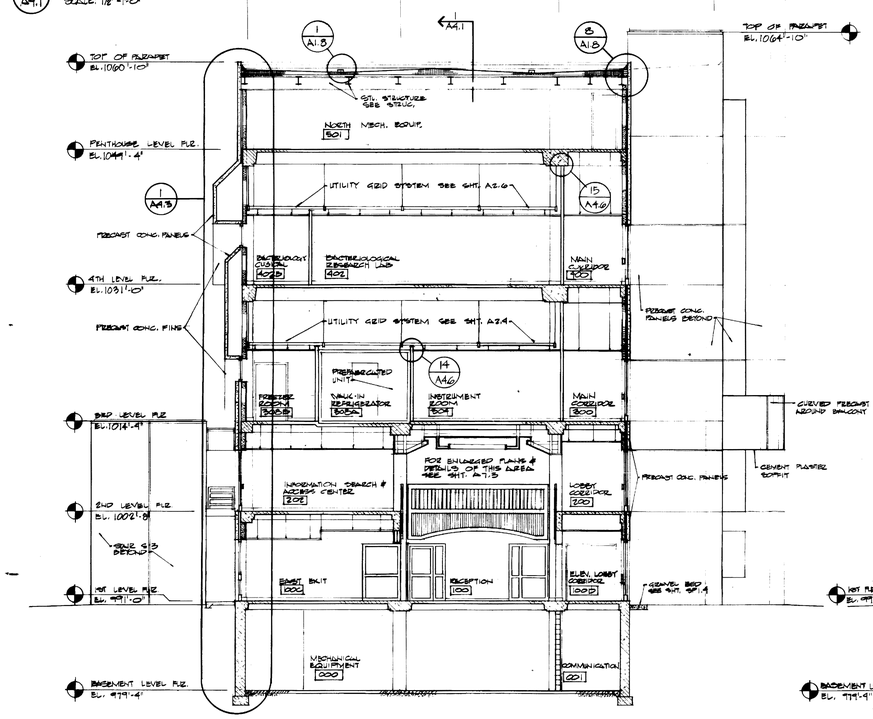
SHEET NUMBER A3.2

8412.01/CD/A3.2/5-28

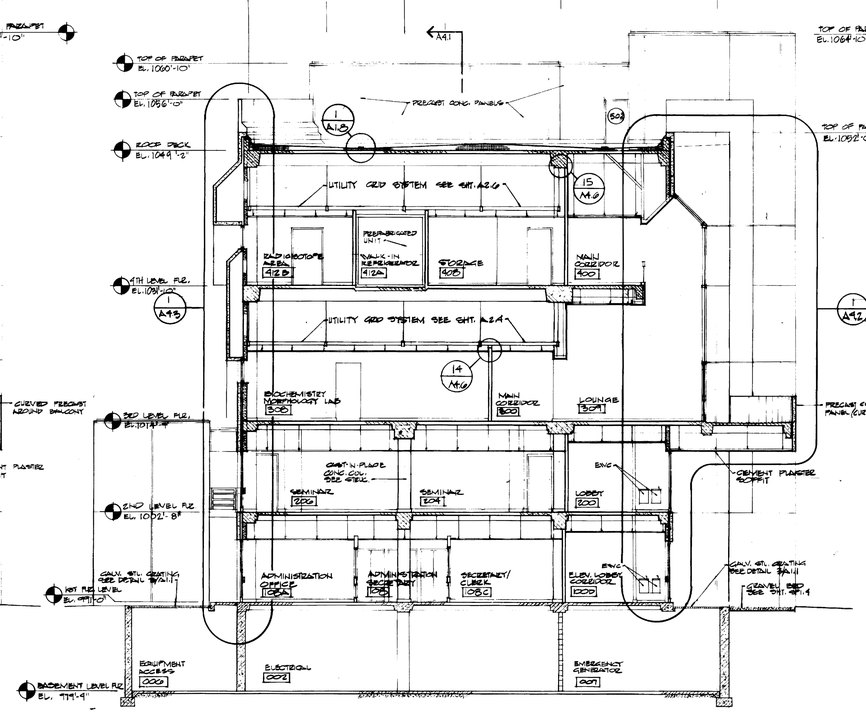


5 A4.1 **DETAIL**
SCALE: 1/8"=1'-0"

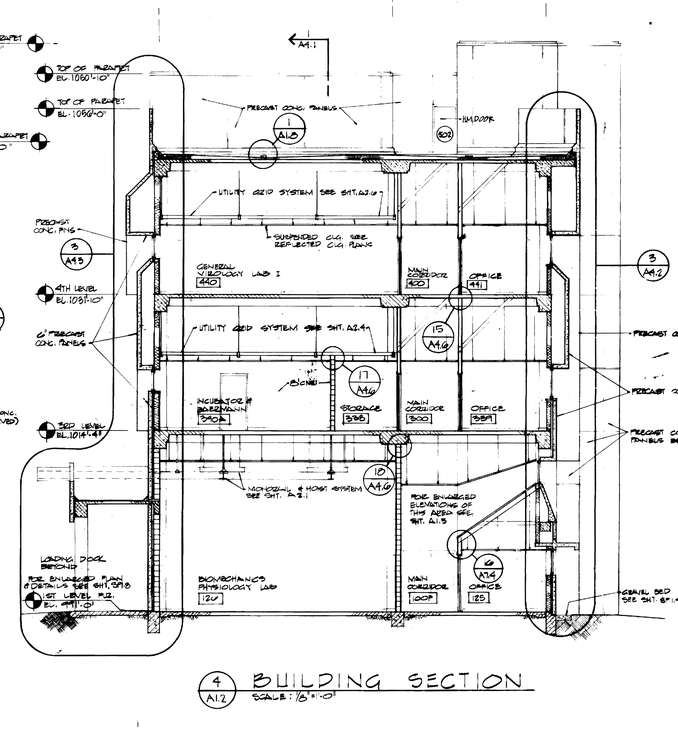
1 A1.2 **BUILDING SECTION**
SCALE: 1/8"=1'-0"



2 A1.2 **BUILDING SECTION**
SCALE: 1/8"=1'-0"



3 A1.2 **BUILDING SECTION**
SCALE: 1/8"=1'-0"



4 A1.2 **BUILDING SECTION**
SCALE: 1/8"=1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
105 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 584 2141

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
BLDG. SECTIONS
BLDG. 'DN'
DRAWN BY P.J.T.
CHECKED BY L.H.A.
DATE 5-28-85
REVISIONS
SHEET NUMBER A4.1

8412.01/CD/MN/5285

16 OZ. LEAD COATED COPPER FLASHING
FR. TR. WOOD NAILER W/ 1/2" @ ANCHORS @ 24" O.C.
1" RIGID INSUL.
FR. TR. WOOD CANT. BUILT-UP ROOF W/ SMOOTH SURFACE
PRECAST CONC. WALL PANELS
CAST-IN-PLACE CONC. CURED (SEE STRUC.)
6" PRECAST CONC. PANEL BEYOND
6" MTL. JOISTS @ 6'-0" O.C.
5/8" G.W.B.
TOP OF PARAPET EL. 1052'-0"
PENTHOUSE FLR. EL. 1049'-4"
FOURTH LEVEL FLR. EL. 1031'-10"
ALUM. WINDOW WALL SYSTEM W/ 1" TINTED INSUL. GLASS
CAST-IN-PLACE CONC. BEAM (SEE STRUC.)
8" CENTER SCORED CMU BEYOND
VINYL FLOORING
4" VINYL BASE
RAMP @ DOORS
16 OZ. COPPER LINER W/ DISPERSED GRANULES
5" TROWEL FIN. CONC. SLAB (USE MIX TO MATCH PRECAST)
SLOPE TO DRAIN
CONC. SLAB (SEE STRUC.) GND. FLOOR SLAB
CAULK
1" RIGID INSUL.
SEE DETAIL 1/A10.1 FOR FLR. DRAIN
6" MTL. STUDS @ 16" O.C.
6" BATT INSUL. W/ VAPOR BARRIER
PRECAST CONC. CONN. SEE STRUC. (TYP.)
SUSPENDED ACOUST. PANEL CLG.
5/8" G.W.B.
CEMENT PLASTER SOFFIT ON SUSPENDED CHANNEL GRID
SEALANT BACKER ROD
ALUM. WINDOW FRAME W/ 1" TINTED INSUL. GLASS
CONC. COL. BEYOND
4" WOOD BASE
CAST-IN-PLACE CONC. FRAME (SEE STRUC.)
CARPET (N.I.C.)
THRU-WALL FLASHING
PRECAST CONC. CONNECTION (SEE STRUC.)
SOFFIT INSUL.
1" RIGID INSUL.
THRU WALL FLASHING FR. TR. CONT. WOOD BLK. ANCHORED TO PRECAST
CONT. DRIP
SUSPENDED ACOUST. PANEL CLG.
5/8" G.W.B.
6" MTL. STUDS @ 16" O.C.
6" BATT INSUL. W/ VAPOR BARRIER
ALUM. WINDOW FRAME W/ 1" TINTED INSUL. GLASS
CONC. COL. BEYOND
SLANTED TIE IN PRECAST CONC. SLAB
1 1/2" GALV. STL. DAZ SEATING W/ GRADE RODS WELDED @ 4'-0" O.C.
2"x2"x 1/4" STL. ANGLE (GALV.) W/ THREADED STUDS WELDED TO ANGLE
GRAVEL BED SEE DETAIL 2/SP1.1
CAST-IN-PLACE CONC. BEAM (SEE STRUC.)
DRIP
1" RIGID INSUL.
BASEMENT FLR. EL. 979'-4" @ PERIMETER
CAST-IN-PLACE CONC. FOUNDATION (SEE STRUC.) W/ FLUID APPLIED WATERPROOFING
DRAINAGE FILL
4" ø POLYETHYLENE, PERFORATED DRAIN TILE, SLOPE TO SUMP 1/16" PER FOOT MIN.

1 A1.1 WALL SECTION
SCALE: 3/4"=1'-0"

16 OZ. LEAD COATED COPPER FLASHING
FR. TR. WOOD NAILER W/ 1/2" @ ANCHORS @ 24" O.C.
FR. TR. WOOD CANT. BUILT-UP ROOF W/ SMOOTH SURFACE
1" RIGID INSUL.
CAST-IN-PLACE CONC. FRAME (SEE STRUC.)
TOP OF PARAPET EL. 1052'-0"
PENTHOUSE FLR. EL. 1049'-4"
MECH. CHASE
6" MTL. STUDS @ 16" O.C.
6" BATT INSUL. W/ VAPOR BARRIER
6" PRECAST CONC. WALL PANELS
5/8" GYP. BD.
REVEAL JOINT
SOFFIT INSUL.
FOURTH LEVEL FLR. EL. 1031'-10"
8" CMU
PRECAST PANEL JOINT (TYP.)
THIRD LEVEL FLR. EL. 1019'-8"
SOFFIT INSUL.
RIGID INSUL. @ CMU (TYP.)
8" CENTER SCORED CMU W/ BURY COATING
6" PRECAST CONC. WALL PANELS
CERAMIC TILE (THIN-SET)
SECOND LEVEL FLR. EL. 1002'-8"
SOFFIT INSUL.
1" RIGID INSUL.
CAST-IN-PLACE CONC. BEAM (SEE STRUC.)
SUSPENDED ACOUST. PANEL CLG.
5/8" G.W.B.
6" MTL. STUDS @ 16" O.C.
6" BATT INSUL. W/ VAPOR BARRIER
CONC. COL. BEYOND
4" RUBBER BASE
THRU-WALL FLASHING
PRECAST CONC. CONN. (SEE STRUC.)
SEALANT W/ BACKER ROD
WEEP + VENT
FIRST LEVEL FLR. EL. 991'-0"
CAST-IN-PLACE CONC. GRADE BEAM (SEE STRUC.)
5" CONC. SLAB OVER VAPOR BARRIER
1/2" EXPANSION JOINT
4" CRUSHED STONE
COMPACTED FILL
FLUID APPLIED WATERPROOFING
2'-0" THICK BY 6'-0" DEEP PERIMETER INSUL.
GRAVEL BED SEE DETAIL 2/SP1.1

2 A1.2 WALL SECTION
SCALE: 3/4"=1'-0"

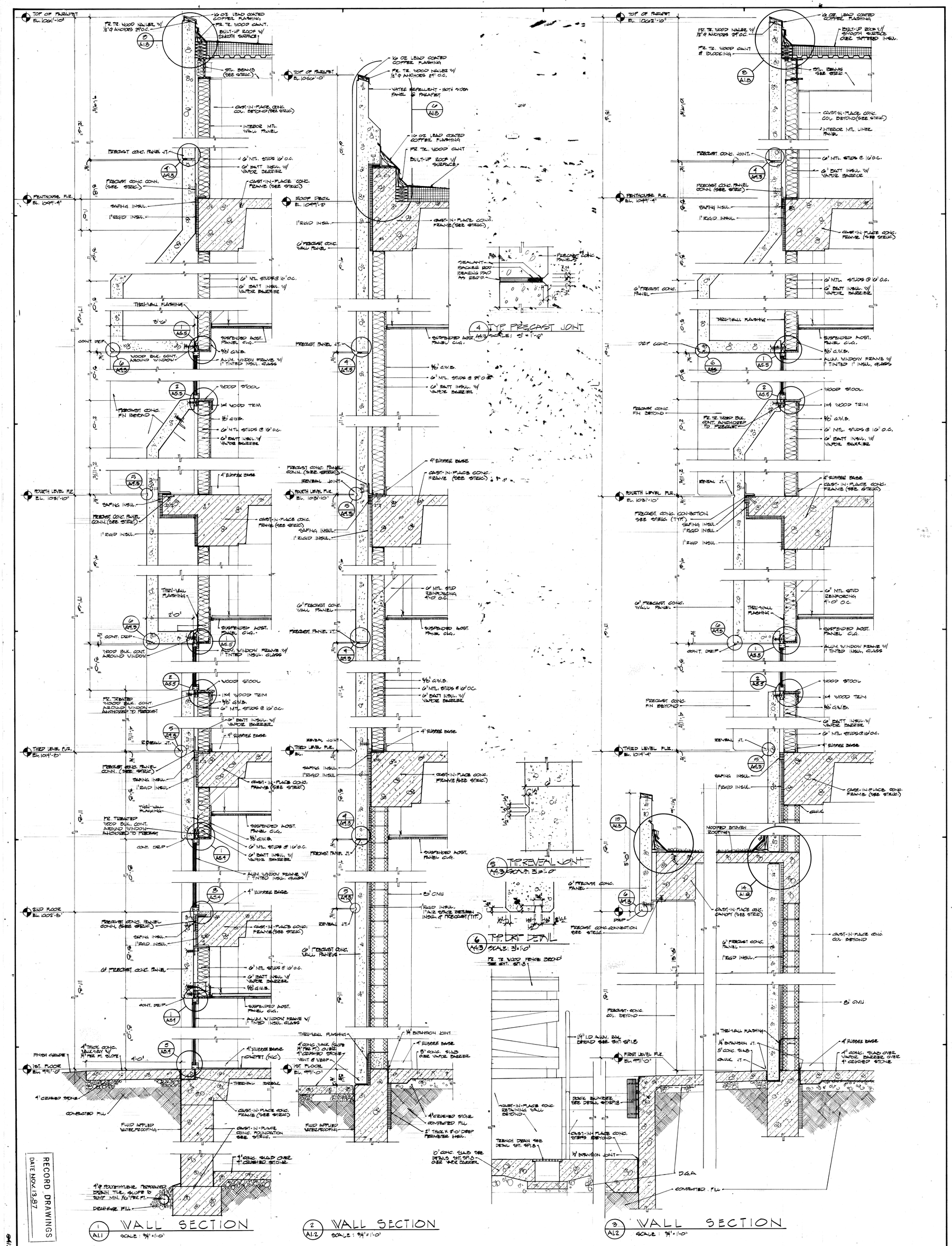
16 OZ. LEAD COATED COPPER FLASHING
FR. TR. WOOD NAILER W/ 1/2" @ ANCHORS @ 24" O.C.
TOP OF PARAPET EL. 1052'-0"
WATER PROOFING - BOTH SIDES PANEL @ PARAPET
FR. TR. WOOD CANT. BUILT-UP ROOF W/ SMOOTH SURFACE
1" RIGID INSUL.
6" PRECAST CONC. WALL PANELS
CAST-IN-PLACE CONC. FRAME (SEE STRUC.)
PENTHOUSE FLR. EL. 1049'-4"
SUSPENDED ACOUST. PANEL CLG.
THRU-WALL FLASHING
PRECAST CONC. PANEL CONN. (SEE STRUC.)
5/8" G.W.B.
DRIP
ALUM. WINDOW FRAME W/ 1" TINTED INSUL. GLASS
WOOD STOOL
1x4 WOOD TRIM
WOOD BLK. CONT. AROUND WINDOW ANCHORED TO PRECAST
5/8" G.W.B.
6" MTL. STUDS @ 16" O.C.
6" BATT INSUL. W/ VAPOR BARRIER
CARPET N.I.C.
4" RUBBER BASE
CAST-IN-PLACE CONC. FRAME (SEE STRUC.)
FOURTH LEVEL FLR. EL. 1031'-10"
SOFFIT INSULATION
1" RIGID INSUL.
PRECAST CONC. PNL. BEYOND
THRU-WALL FLASHING ATTACHED TO STUDS
SUSPENDED ACOUST. PANEL CLG.
PRECAST CONC. PANEL CONN. (SEE STRUC.)
5/8" G.W.B.
ALUM. WINDOW FRAME W/ 1" TINTED INSUL. GLASS
DRIP
WOOD STOOL
1x4 WOOD TRIM
6" MTL. STUDS @ 16" O.C.
6" BATT INSUL. W/ VAPOR BARRIER
4" RUBBER BASE
CAST-IN-PLACE CONC. FRAME (SEE STRUC.)
FR. TR. WOOD BLK. AROUND WINDOW
THIRD LEVEL FLR. EL. 1019'-8"
SOFFIT INSUL.
CARPET (N.I.C.)
1" RIGID INSUL.
THRU WALL FLASHING ATTACHED TO STUDS
PRECAST CONC. CONN. (SEE STRUC.)
CONT. DRIP
SUSPENDED ACOUS. PANEL CLG.
WOOD STOOL
CAULK
1/8" TEMPERED PAPER SUBSTRATE FILLER
1/8" GYP. BD. JOINTS @ 16" O.C.
6" PRECAST CONC. WALL PANELS
6" MTL. STUDS 16" O.C.
6" BATT INSUL. W/ VAPOR BARRIER
CAST-IN-PLACE CONC. BEAM (SEE STRUC.)
SECOND LEVEL FLR. EL. 1002'-8"
6" MTL. STUDS 16" O.C.
INSERTED STL. PLATES (SEE STRUC.)
STL. ANGLES (SEE STRUC.)
1" RIGID INSUL.
16 OZ. COPPER THRU-WALL FLASHING
PRECAST CONC. PANEL (SEE STRUC.) LEAD COATED COPPER
CONT. COPPER CLIP NAILED TO PRECAST
2" SLOPE
RIGID INSUL.
CONT. DRIP
SUSPENDED ACOUST. PANEL CLG.
WOOD STOOL
1x4 WOOD TRIM
FR. TR. WOOD BLOCKING ANCHORED TO PRECAST
6" BATT INSUL. W/ VAPOR BARRIER
THRU-WALL FLASHING
PRECAST CONC. CONN. (SEE STRUC.)
5/8" G.W.B.
6" MTL. STUDS 16" O.C.
4" RUBBER BASE
FIRST LEVEL FLR. EL. 991'-0"
WEEP + VENT
SEALANT
FINISH GRADE
GRAVEL BED SEE DETAIL 2/SP1.1 & 3/SP1.1 WIDE UNDER PRECAST EXTERIOR
CAST-IN-PLACE CONC. GRADE BEAM (SEE STRUC.)
5" CONC. SLAB OVER VAPOR BARRIER
1/2" EXPANSION JOINT
4" CRUSHED STONE
COMPACTED FILL
FLUID APPLIED WATERPROOFING (TYP.)
2'-0" THICK BY 2'-0" DEEP PERIMETER INSUL.

3 A1.2 WALL SECTION
SCALE: 3/4"=1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

SHEET NUMBER A4.2
WALL SECTIONS
PROJECT NUMBER 8712.01
DRAWN BY P.J.T.
DATE 5-28-85
REVISIONS

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED



RECORD DRAWINGS
DATE NOV. 13, 87

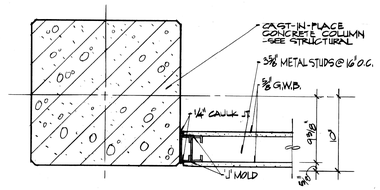
BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

SHEET NUMBER A4.3

Cab #	Slot	Document #
107	A-2	013574

PROJECT NUMBER 8402.01
ITEMS ON SHEET WALL SECTIONS
DRAWN BY P.J.T.
CHECKED BY L.H.A.
DATE 5-28-85
REVISIONS

8412.01/CD/A4.3/5-28-85



1 A1.2 TYPICAL DETAIL
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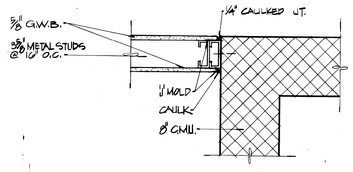

5 A1.2 TYPICAL DETAIL
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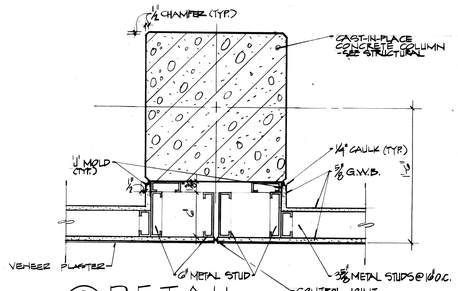

9 A1.2 DETAIL
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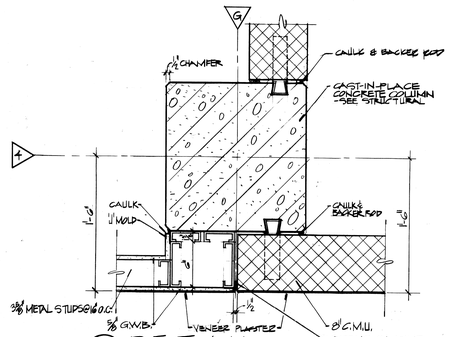
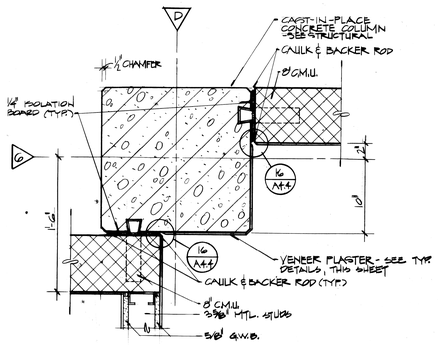
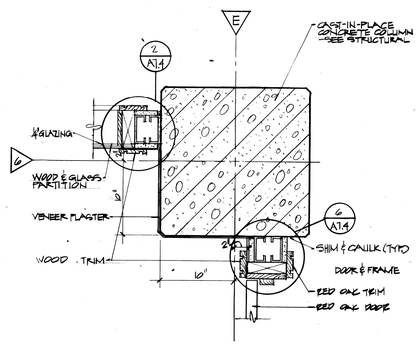


13 A1.2 DETAIL
SCALE: 1½"=1'-0"

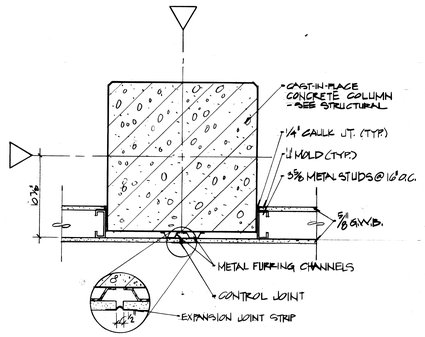
NOTE:
VOIDS BEHIND FLOOR BASE @ MASONRY UNITS & @ COLUMN CHAMFER TO BE CAULKED - TYPICAL.



2 A1.2 DETAIL
SCALE: 1½"=1'-0"



6 A1.2 DETAIL
SCALE: 1½"=1'-0"



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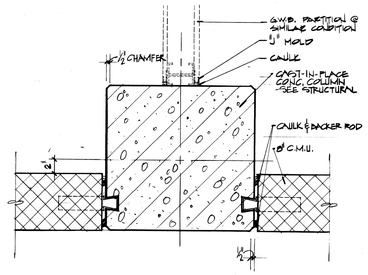

14 A1.1 DETAIL
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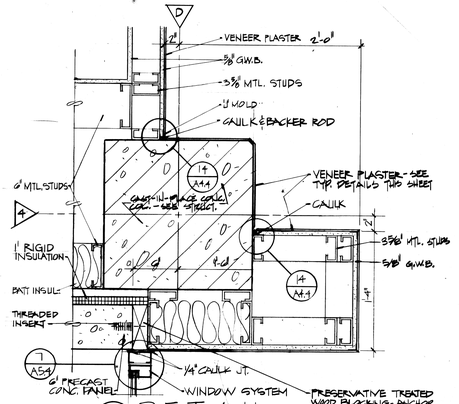
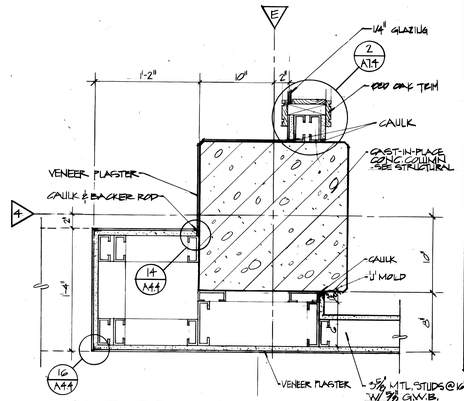


3 A1.2 DETAIL
SCALE: 1½"=1'-0"



7 A1.2 DETAIL
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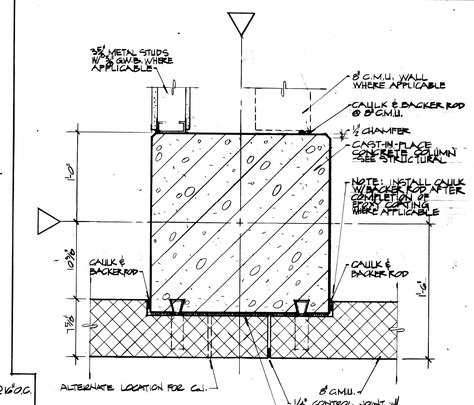
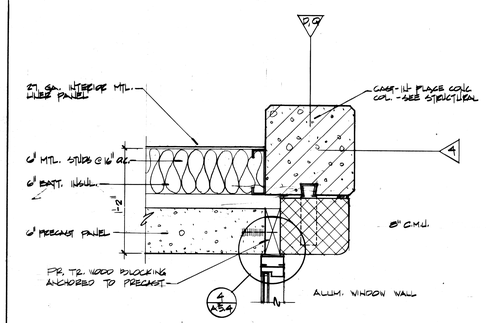
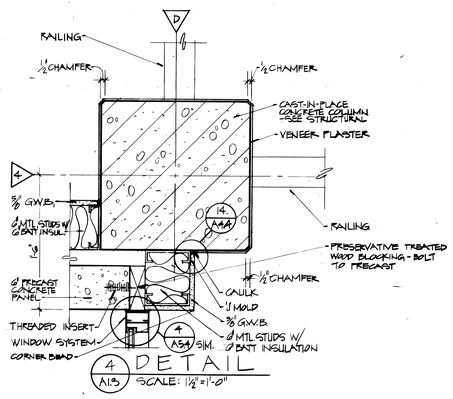


11 A1.2 DETAIL
SCALE: 1½"=1'-0"



15 A1.6 DETAIL
SCALE: 1½"=1'-0"



4 A1.3 DETAIL
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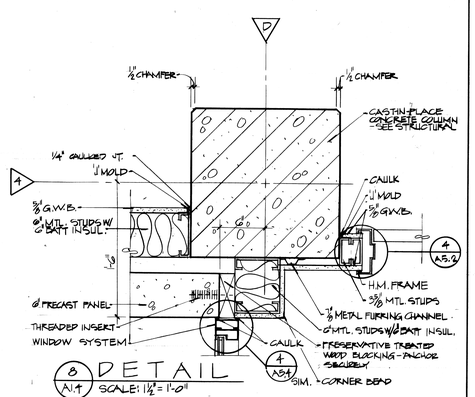

8 A1.4 DETAIL
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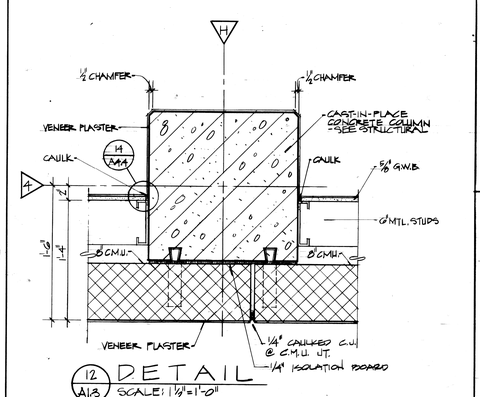

12 A1.3 DETAIL
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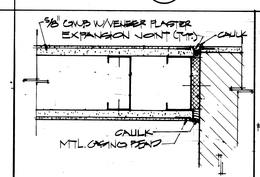
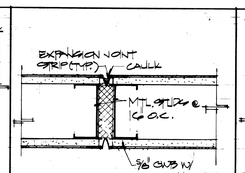
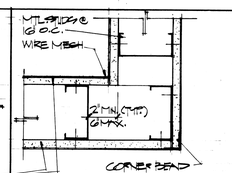


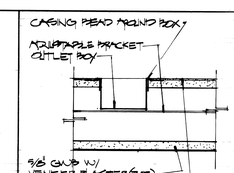
16 A4.4 VENEER PLASTER TYP. @ WALL OR COL. INTERSECTION
SCALE: 3"=1'-0"



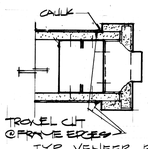
17 A4.4 VENEER PLASTER @ TYP. JOINT DETAIL
SCALE: 3"=1'-0"



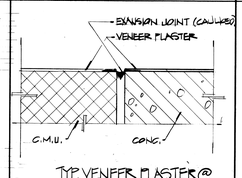
18 A4.4 VENEER PLASTER @ TYP. INT./EXT. CORNERS
SCALE: 3"=1'-0"



19 A4.4 VENEER PLASTER OUTLET BOX DETAIL
SCALE: 3"=1'-0"



20 A4.4 TYP. VENEER PLASTER DETAIL @ JAMB
SCALE: 3"=1'-0"



21 A4.4 TYP. VENEER PLASTER @ DIFFERENT WALL MATERIALS
SCALE: 3"=1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-8571

BICKEL - GIBSON ASSOCIATES REGISTERED No. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

230.1

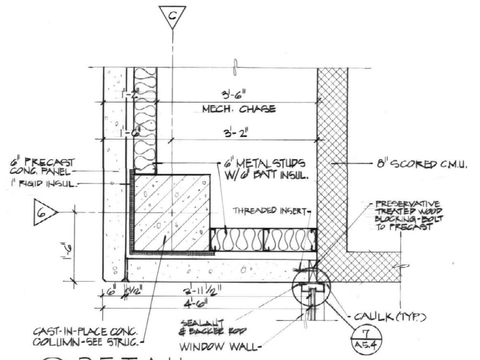
PROJECT NUMBER 8412.01
ITEMS ON SHEET
- HORIZONTAL DETAILS
- VENEER PLASTER DETAILS

DRAWN BY TGM
CHECKED BY LHA
DATE 5-28-85
REVISIONS

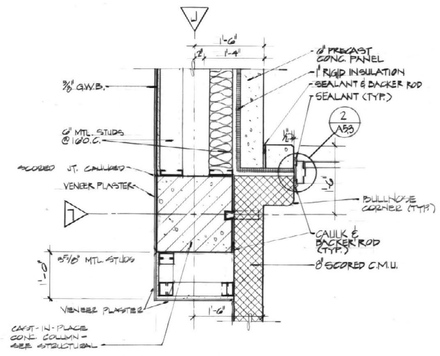
Cab # 107 Slot A-2 Document # 013575

SHEET NUMBER A4.4

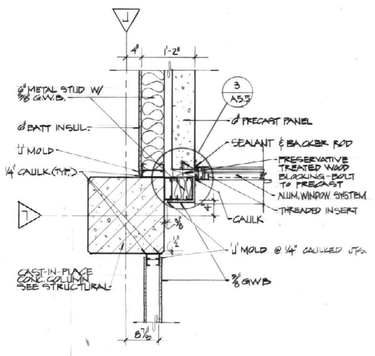
8412.01/CD/A4.4/5-28-85



1 A1.2 DETAIL
SCALE: 3/4" = 1'-0"



5 A1.2 DETAIL
SCALE: 3/4" = 1'-0"



9 A1.4 DETAIL
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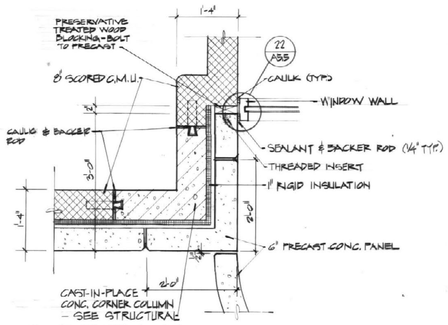
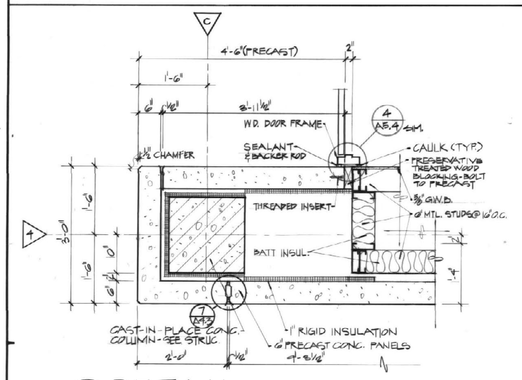


12 A1.4 DETAIL
SCALE: 3/4" = 1'-0"



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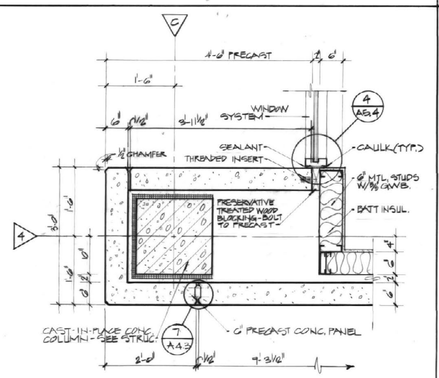

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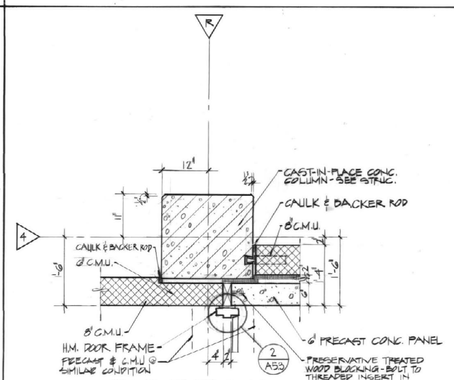

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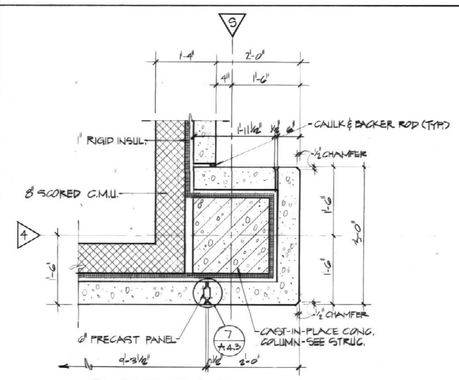

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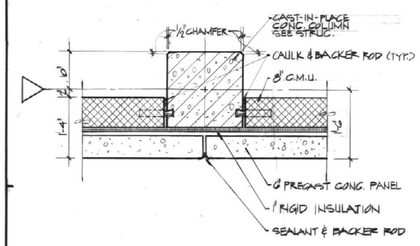

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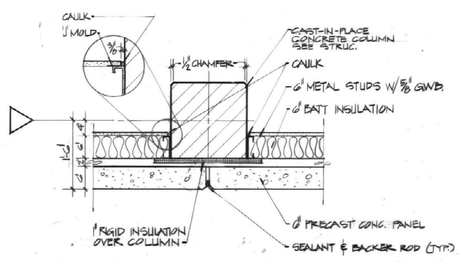

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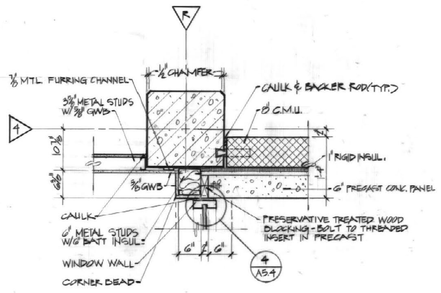

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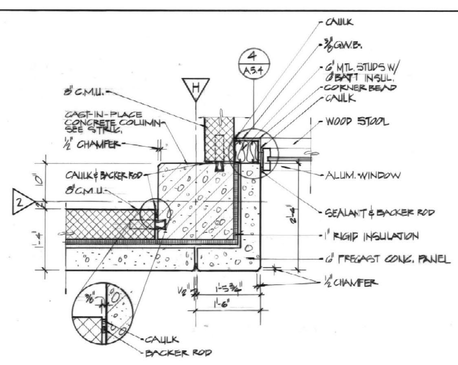

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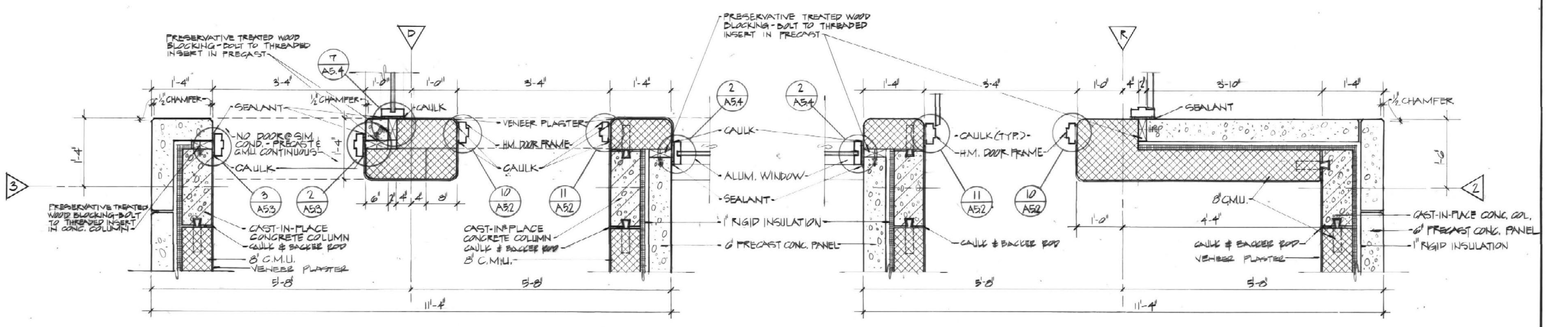
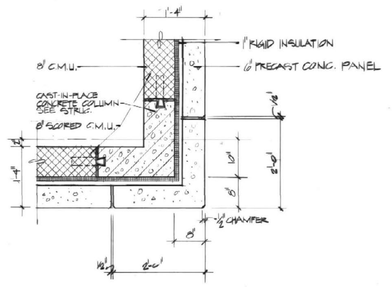


4 A1.2 DETAIL
SCALE: 3/4" = 1'-0"

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



15 A1.2 DETAIL
SCALE: 3/4" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
565 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502/587-8571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL GIBSON ASSOCIATES REGISTERED NO. 343 1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

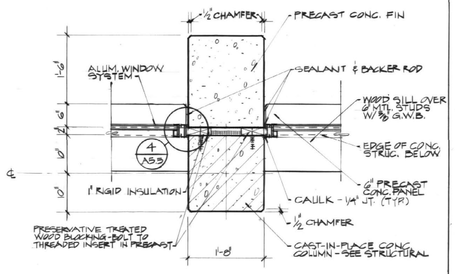
UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: [signature]
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION OF REAL ESTATE MANAGEMENT
DATE: 5/28/85

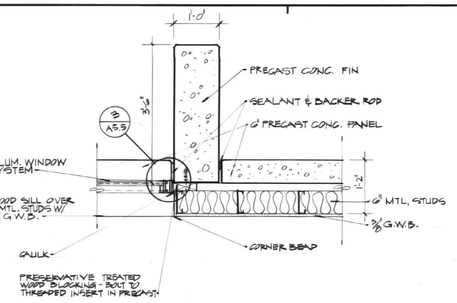
THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
HORIZONTAL DETAILS
DRAWN BY TGM
CHECKED BY LHA
DATE 5-20-85
REVISIONS

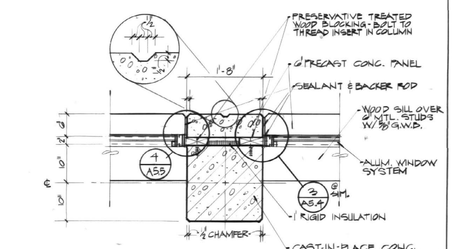
SHEET NUMBER A4.5



1 DETAIL
A1.4 SCALE: ¾" = 1'-0"



5 DETAIL
A1.4 SCALE: ¾" = 1'-0"



2 DETAIL
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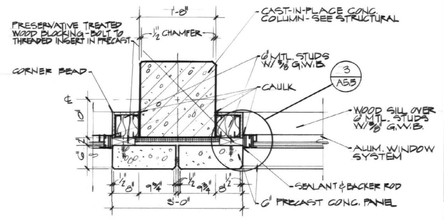

6 DETAIL
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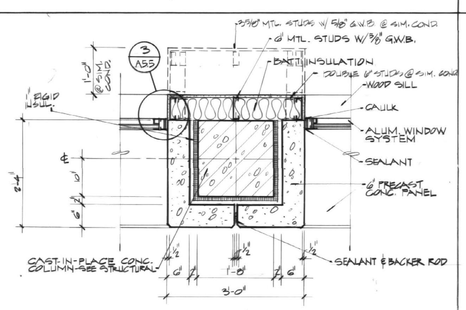

3 DETAIL
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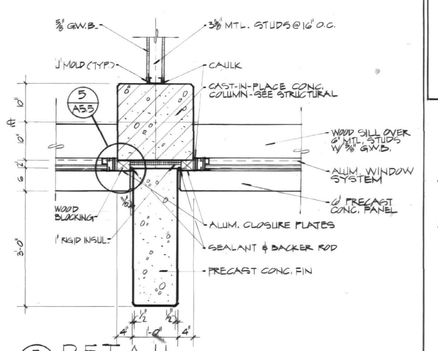

7 DETAIL
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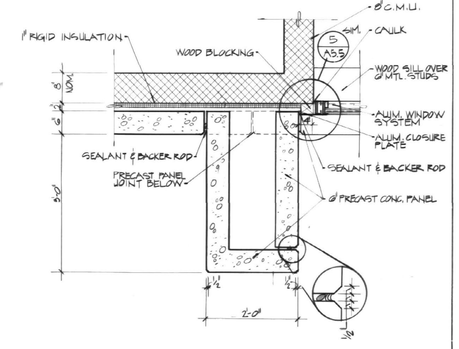

4 DETAIL
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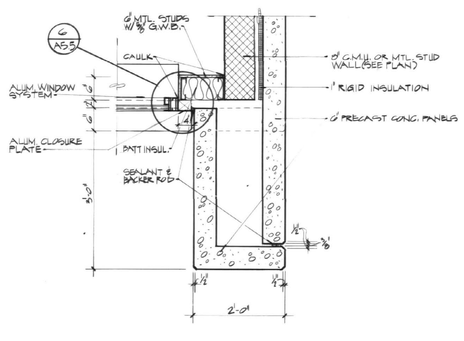
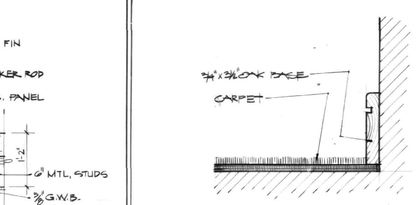
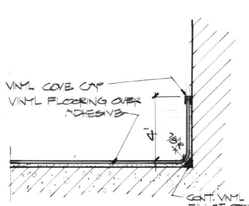


8 DETAIL
A1.2 SCALE: ¾" = 1'-0"



9 BASE DETAIL (TYP.)
SCALE: 3" = 1'-0"



10 BASE DETAIL (TYP.)
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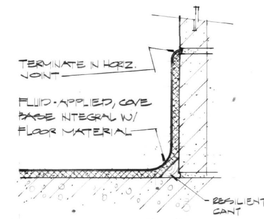

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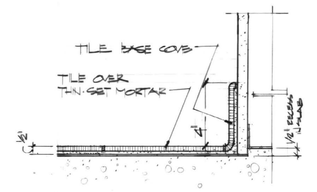
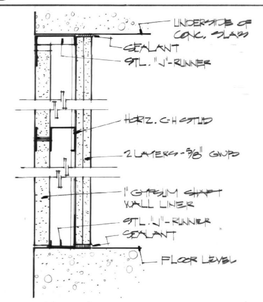
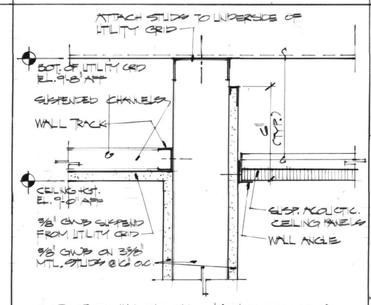


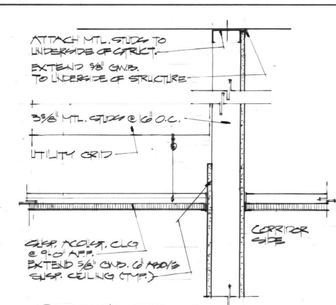
12 BASE DETAIL (TYP.)
SCALE: 3" = 1'-0"



13 SHAFT WALL
A4.1 SCALE: 3" = 1'-0"



14 TYP. WALL SECTION (@ LABORATORIES)
A4.1 SCALE: 3" = 1'-0"



15 TYP. WALL SECTION (@ CORRIDORS - TYP.)
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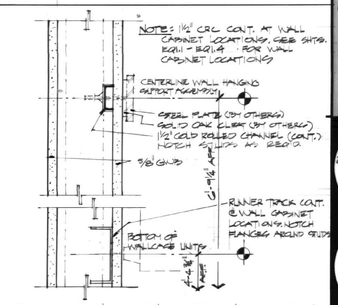
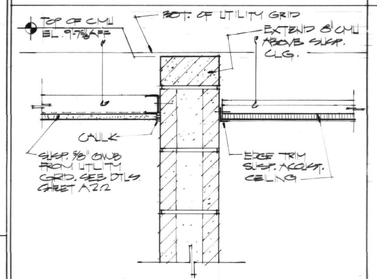
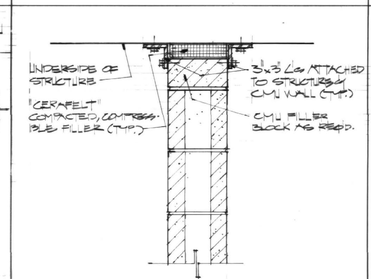


16 WALL HANGING CABINET ASSEMBLY
A4.1 SCALE: 3" = 1'-0"



17 TYP. WALL SECTION
A4.1 SCALE: 1½" = 1'-0"



18 TYP. WALL SECTION
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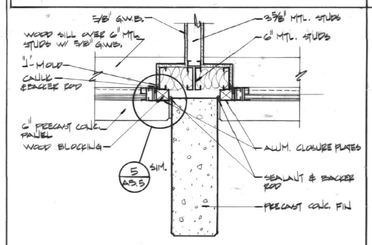


21 DETAIL
A1.4 SCALE: 3/4" = 1'-0"

19

20

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202
502 587 0571

WHITE, WALKER & MCREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY: W. Dennis Downing, DIRECTOR, CONSTRUCTION DIVISION, UNIVERSITY OF KENTUCKY
DATE: 5/22/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
· HORIZONTAL DETAILS

DRAWN BY
TGM

CHECKED BY
LHA

DATE
05-28-85

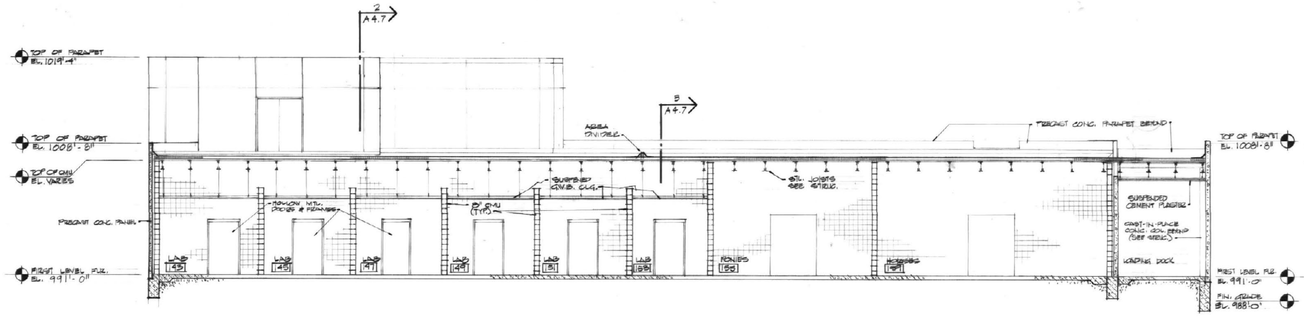
REVISIONS

Cab. # Shel Document # 013577 A-2 107

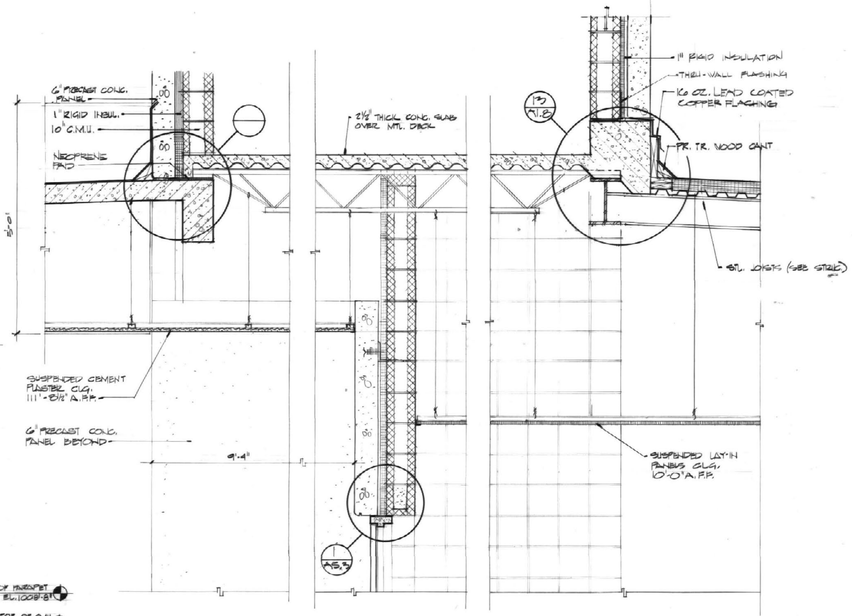
SHEET NUMBER
A4.6

RECORD DRAWINGS
DATE NOV. 13, 87

8412.01/CD/A4.6/5-28-85



1 / A1.7 BUILDING SECTION - BLDG. 'B'
SCALE: 1/8"=1'-0"



7 / A1.7 PARTIAL SECTION
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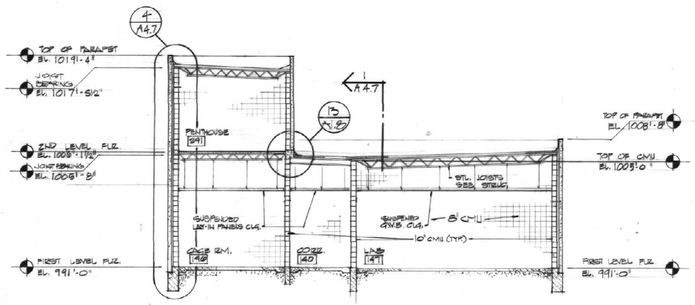

2 / A1.7 BUILDING SECTION - BLDG. 'B'
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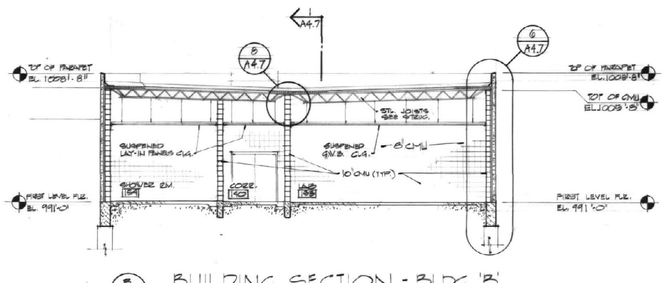

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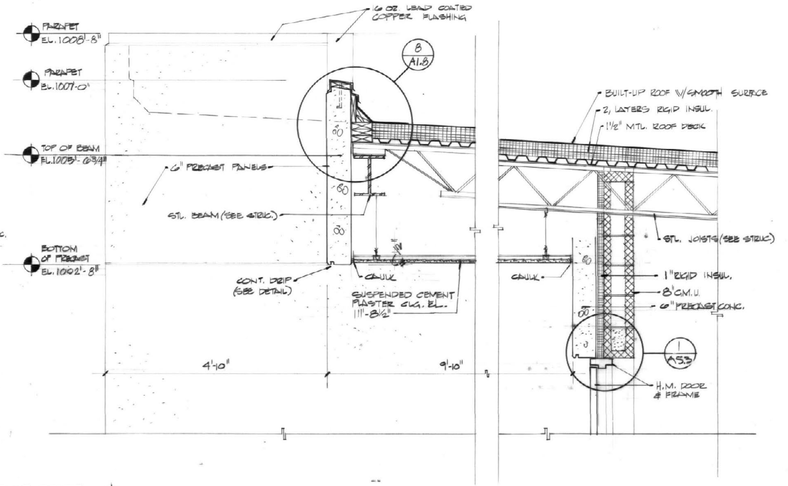

9 / A1.7 PARTIAL SECTION
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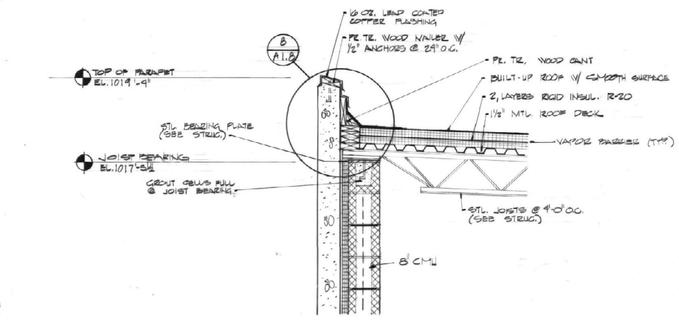

4 / A1.7 WALL SECTION
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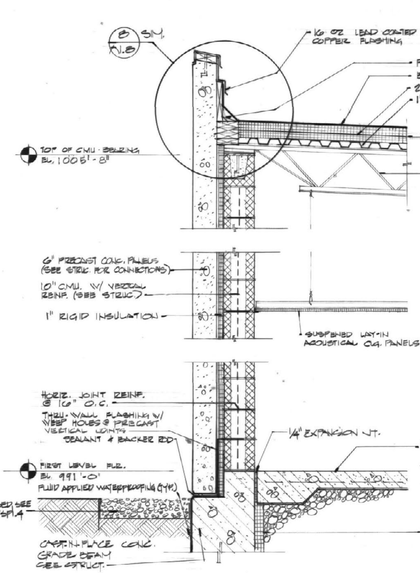

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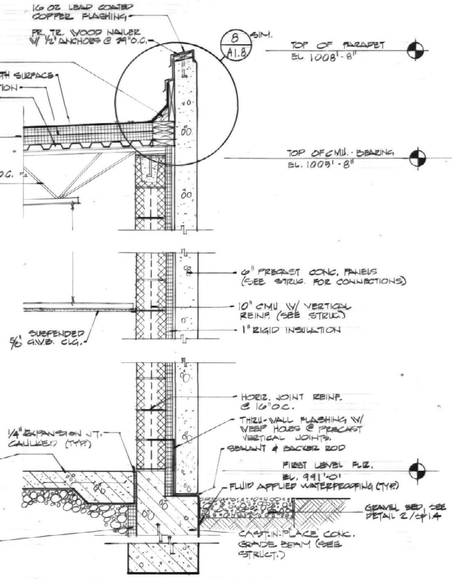

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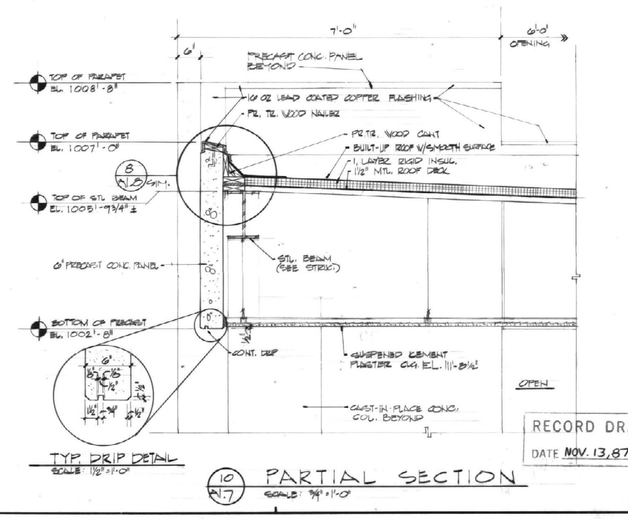


10 / A1.7 PARTIAL SECTION
SCALE: 3/4"=1'-0"

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 9371

WHITE, WALKER & MERLYNOLDS CONSULTING ENGINEERS
2001 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED No. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
BLDG. 'B'
BLDG. SECTIONS
WALL SECTIONS

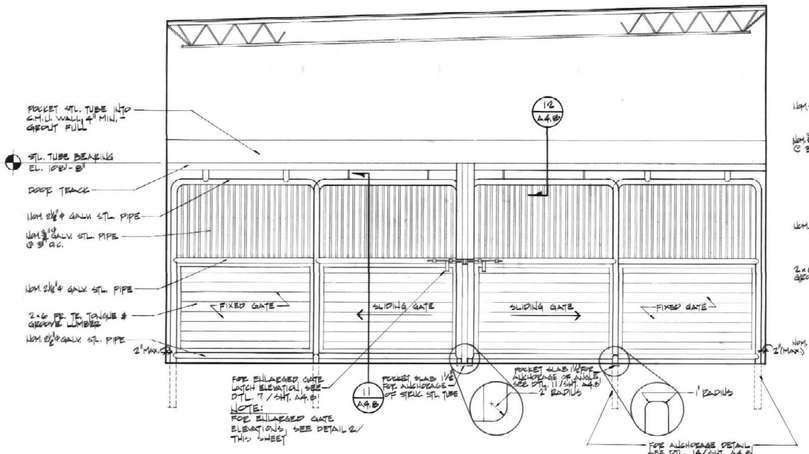
DRAWN BY F.J.T.
CHECKED BY L.H.A.
DATE 5-28-85
REVISIONS

Cab. No. 0157B Shel. No. Document # A-2 107

RECORD DRAWING
DATE NOV. 13, 87

SHEET NUMBER A4.7

8412.01/SD/A4.7/5-28-85



1 A1.7 HORSE STALL ELEVATION
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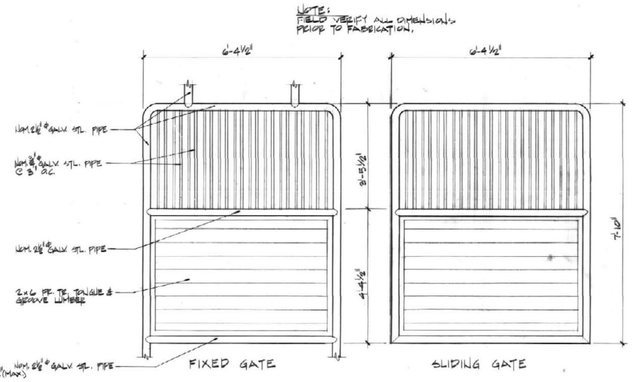

2 A4.8 GATE ELEVATIONS
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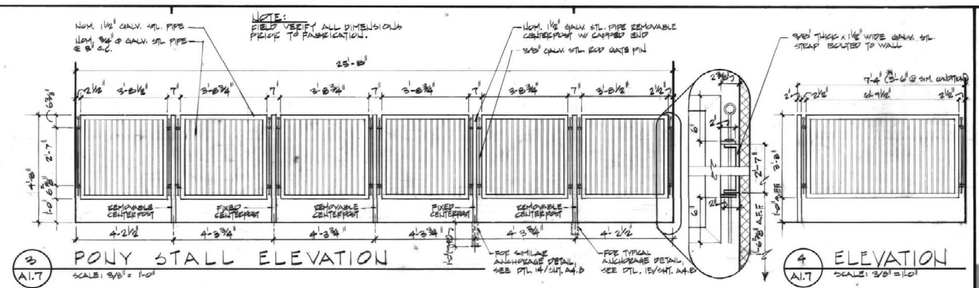
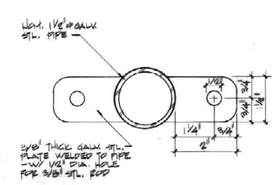


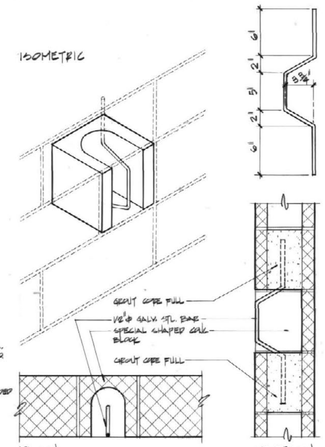
3 A1.7 PONY STALL ELEVATION
SCALE: 3/8" = 1'-0"

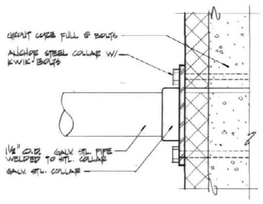
4 A1.7 ELEVATION
SCALE: 3/8" = 1'-0"



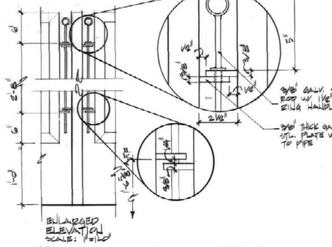
5 REMOVABLE CENTERPOST

6 A4.8 FIXED CENTERPOST
SCALE: HALF SIZE

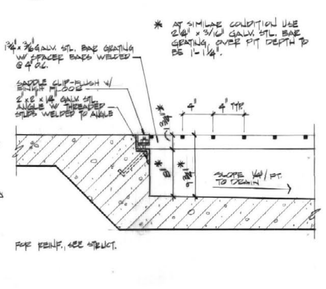




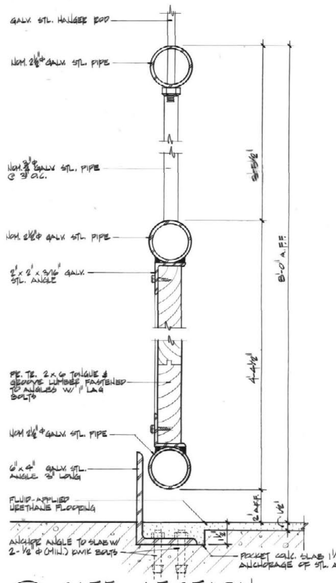
8 A4.8 ANCHORAGE DETAIL
1/2" = 1'-0" SCALE



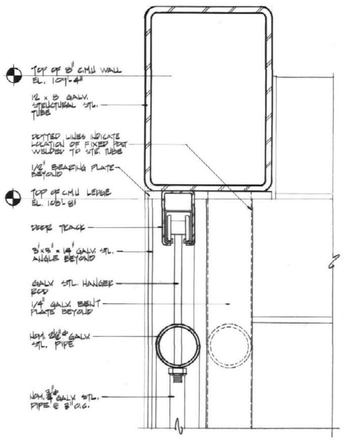
9 A4.8 PONY STALL DETAILS
SCALE: AS NOTED



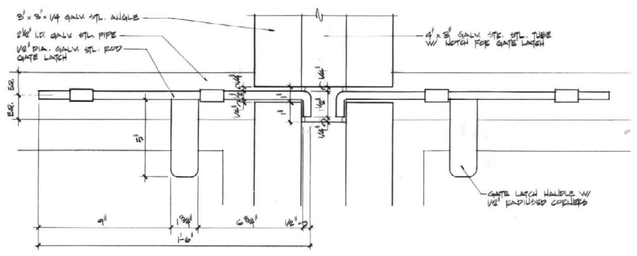
10 A1. TETHER HOOK DETAILS
SCALE: 1 1/2" = 1'-0"



11 A4.8 GATE SECTION
SCALE: 3/4" = 1'-0"



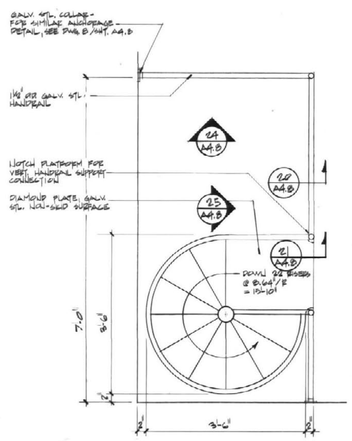
12 A4.8 SLIDING GATE HEAD DETAIL
SCALE: 3/4" = 1'-0"



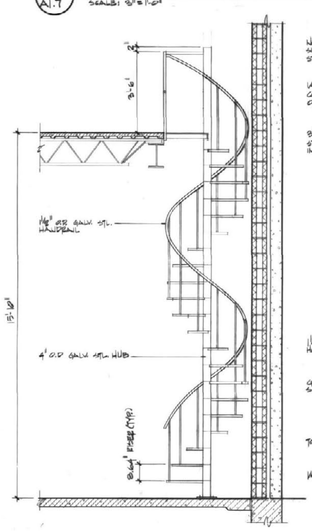
7 A4.8 GATE LATCH ELEVATION

19 A1.7 JAMB DETAIL @ WALL
SCALE: 3/4" = 1'-0"

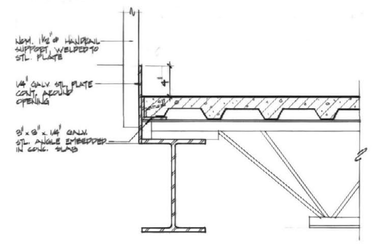
17 A1.7 FIRST FLOOR STAIR PLAN
SCALE: 3/4" = 1'-0"



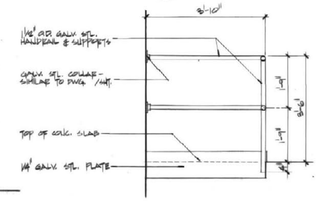
18 A1.7 SECOND FLOOR STAIR PLAN
SCALE: 3/4" = 1'-0"



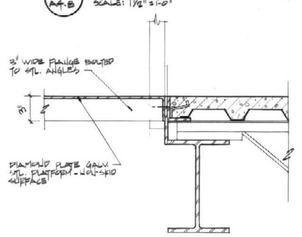
19 A1.7 STAIR SECTION / ELEVATION
SCALE: 3/8" = 1'-0"



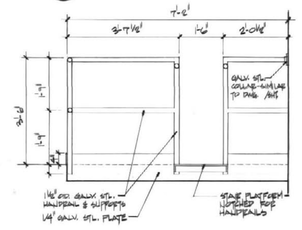
20 A4.8 HANDRAIL DETAIL
SCALE: 1 1/2" = 1'-0"



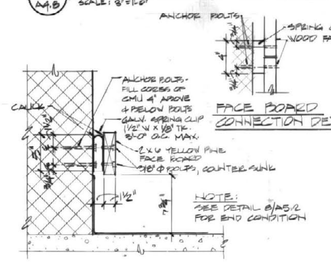
24 A4.8 HANDRAIL ELEVATION
SCALE: 1 1/2" = 1'-0"



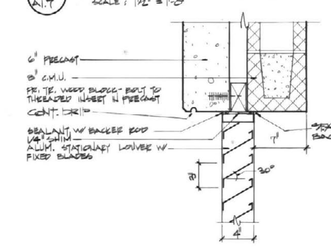
21 A4.8 PLATFORM DETAIL
SCALE: 1 1/2" = 1'-0"



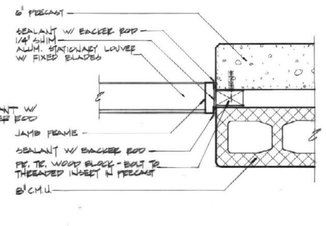
23 A4.8 HANDRAIL ELEVATION
SCALE: 1 1/2" = 1'-0"



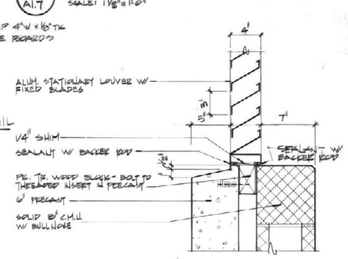
22 A1.7 WALL GUARD DETAIL
SCALE: 1 1/2" = 1'-0"



26 A1.7 LOUVER HEAD
SCALE: 1 1/2" = 1'-0"



27 A1.7 LOUVER JAMB
SCALE: 1 1/2" = 1'-0"



15 A4.8 LOUVER SILL
SCALE: 1 1/2" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
501 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502/587-9371

WHITE, WALKER & MCKEYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL GIBSON ASSOCIATES REGISTERED PHIL 343-1116 LOUISVILLE KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: [signature] UNIVERSITY OF KENTUCKY CONSTRUCTION DIVISION DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER E412.01
ITEMS ON SHEET BUILDING "B"
MISC. DETAILS
DRAWN BY MPH
CHECKED BY LHA
DATE 5-28-85
REVISIONS

SHEET NUMBER A4.8

84120/KD/A4.8/5-28-85

DOOR AND FRAME SCHEDULE

MARK	LOCATION EXT	LOCATION INT	DOOR SIZE	DOOR THICK	DOOR MATL	DOOR GAGE	DOOR TYPE	FRAME DEPTH	FRAME MATL	FRAME GAGE	FRAME TYPE	DOOR FINISH	INSTALLATION HEAD	INSTALLATION JAMB	INSTALLATION SILL	WALL	HDW SET	REMARKS
001	000	001	3-0 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	6	
002	000	002	3-0 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2, 15/A5.2	18/A5.3	CMU/CONC	6	1 HR.
002A	000	002	PR. 3-0 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	C	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	19	1 HR.
003	000	003	3-0 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	6	1 HR.
004	000	004	3-0 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	2	
005	004	005	3-0 x 7-0	1 3/4"	H.M.	18	C	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	20	
006	000	006	PR. 3-0 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	C	PAINT	14/A5.2	15/A5.2	18/A5.3	CONC.	8	
007	002	007	PR. 3-0 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	C	PAINT	7/A5.2	8/A5.2 15/A5.2	18/A5.3	CMU/CONC	8	
093	000	53	3-0 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	7/A5.2	8/A5.2 15/A5.2	18/A5.3	CMU/CONC	20	2 HR.
091	000	51	3-0 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	14/A5.2	15/A5.2	18/A5.3	CONC.	20	2 HR.
100	100	100A	PR. 3-0 x 7-0	1 3/4"	WD/GL	—	F	4 7/8"	WD	—	—	STAIN	6/A7.4	6/A7.4	22/A5.3	G.W.B.	23	
100A	EXT.	100A	PR. 3-0 x 7-0	1 3/4"	ALUM.	—	E	4 1/2"	ALUM	—	—	—	11/A5.4	14/A5.4	17/A5.4	G.W.B.	1	
100B	100D	100C	3-0 x 7-0	1 3/4"	WD	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 4/A5.2	17/A5.3	G.W.B.	2	
100C	EXT.	100C	3-0 x 7-0	1 3/4"	ALUM.	—	E	4 1/2"	ALUM.	—	—	—	3/A5.4	14/A5.4 12/A5.4	17/A5.4	ALUM/GLASS	1	
100D	100F	100D	PR. 3-0 x 7-0	1 3/4"	WD	—	D	5 7/8"	H.M.	16	C	STAIN	7/A5.2	8/A5.2	20/A5.4	C.M.U.	16	
100E	100D	100E	PR. 3-0 x 7-0	1 3/4"	WD	—	D	5 7/8"	H.M.	16	C	STAIN	7/A5.2	8/A5.2	18/A5.3	C.M.U.	12	
100F	EXT	100F	PR. 3-4 x 8-0	1 3/4"	H.M.	16	C	5 7/8"	H.M.	14	C	PAINT	1/A5.3	4/A5.3	17/A5.3	CMU/PRE.	34	
100G	100F	100G	PR. 3-0 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	C	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	11	
100H	100D	100H	3-0 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	7/A5.2	8/A5.2	20/A5.3	C.M.U.	3	
100J	EXT	100G	PR. 3-0 x 7-0	1 3/4	H.M.	16	A	5 7/8"	H.M.	14	C	PAINT	/A5.3	2/A5.3	17/A5.3	C.M.U./PRE	33	INSULATED
104A	104	CHASE	1-8 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	20/A5.3	C.M.U.	17	2 HR.
102	100C	102	3-0 x 7-0	1 3/4"	WD	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2	22/A5.3	C.M.U.	9	
103	100D	103	3-8 x 7-0	1 3/4"	WD	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2	20/A5.3	G.W.B.	5	
104	100C	104	3-0 x 7-0	1 3/4"	WD	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2	22/A5.3	C.M.U.	9	
105	100D	105	PR. 3-0 x 7-0	1 3/4"	WD	—	D	5 7/8"	H.M.	16	C	STAIN	1/A5.2	2/A5.2	20/A5.3	G.W.B.	24	
106	100	106	3-0 x 7-0	1 3/4"	WD/GL	—	F	4 7/8"	WD	—	—	STAIN	6/A7.4	7/A7.4, 8/A7.4	19/A5.3	G.W.B.	2	
106A	108	106	3-0 x 7-0	1 3/4"	WD	—	D	4 7/8"	WD	—	—	STAIN	6/A7.4	6/A7.4	22/A5.3	G.W.B.	2	
106B	108A	106	3-0 x 7-0	1 3/4	WD	—	D	4 7/8"	WD	—	—	STAIN	6/A7.4	6/A7.4	22/A5.3	G.W.B.	2	
107	100D	107	3-8 x 7-0	1 3/4"	WD	—	D	5 7/8"	HM	16	A	STAIN	1/A5.2	2/A5.2	20/A5.3	G.W.B.	4	
108	100	108	3-0 x 7-0	1 3/4"	WD	—	F	4 7/8"	WD	—	—	STAIN	6/A7.4	6/A7.4 7/A7.4	19/A5.3	G.W.B.	2	
108A	108	108A	3-0 x 7-0	1 3/4"	WD	—	D	4 7/8"	WD	—	—	STAIN	6/A7.4	7/A7.4 9/A7.4	22/A5.3	G.W.B.	2	
108B	108	108B	3-0 x 7-0	1 3/4"	WD	—	D	4 7/8"	WD	—	—	STAIN	6/A7.4	7/A7.4 9/A7.4	22/A5.3	G.W.B.	2	
108C	108	108C	3-0 x 7-0	1 3/4"	WD	—	D	4 7/8"	WD	—	—	STAIN	6/A7.4	6/A7.4 7/A7.4	22/A5.3	G.W.B.	2	
108D	108C	108D	3-0 x 7-0	1 3/4"	WD	—	D	5 7/8"	HM	16	A	STAIN	1/A5.2	2/A5.2	22/A5.3	G.W.B.	2	
108E	108	108E	3-7 x 7-0	1 3/8"	WD	—	G	—	—	—	—	STAIN	5/A5.2	6/A5.2	22/A5.3	G.W.B.	25	BI-FOLD DOORS & TRACK
108F	108	108F	3-7 x 7-0	1 3/8"	WD	—	G	—	—	—	—	STAIN	5/A5.2	6/A5.2	22/A5.3	G.W.B.	25	BI-FOLD DOORS & TRACK
108G	108	108G	3-7 x 7-0	1 3/8"	WD	—	G	—	—	—	—	STAIN	5/A5.2	6/A5.2	22/A5.3	G.W.B.	25	BI-FOLD DOORS & TRACK
109	100D	109	3-8 x 7-0	1 3/4"	WD	—	D	5 7/8"	HM	16	A	STAIN	1/A5.2	2/A5.2	20/A5.3	G.W.B.	4	
110	100D	110	3-0 x 7-0	1 3/4"	WD	—	D	5 7/8"	H.M	16	A	STAIN	7/A5.2	8/A5.2 12/A5.2	20/A5.3	C.M.U.	22	
110A	110A	110	5-8 x 10-8	1 3/4	HM	16	H	—	—	16	A	PAINT	6/A7.1	—	16/A5.3	C.M.U.	—	APPLY MARKERBOARD TO FACE. SEE SHT. A7.1
110B	110	110B	3-0 x 7-0	1 3/4	WD	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2	22/A5.3	G.W.B.	6	
110C	100F	110A	3-0 x 7-0	1 3/4	HM	18	B	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	6	
110D	EXT	110A	PR. 3-0 x 8-0	1 3/4	HM	16	A	5 7/8"	H.M.	14	C	PAINT	1/A5.3	2/A5.3	17/A5.3	CMU/PRE	14	
113	100F	113	3-0 x 7-0	1 3/4	WD	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2	20/A5.3	C.M.U.	9	
114	100F	114	3-8 x 7-0	1 3/4	HM	18	B	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	4	
114A	114	114A	3-8 x 7-0	1 3/4	HM	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	7	
114B	114	114B	3-8 x 7-0	1 3/4	HM	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	7	
114C	114	114C	3-8 x 7-0	1 3/4	HM	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	7	
114D	22C	114	3-8 x 7-0	1 3/4	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	7	
116	100F	116	3-8 x 7-0	1 3/4	H.M.	18	A	5 7/8"	H.M	16	A	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	2	
117	100F	117	3-0 x 7-0	1 3/4	WD	—	D	5 7/8"	H.M	16	A	STAIN	7/A5.2	8/A5.2	20/A5.3	C.M.U.	9	
118	100F	118	3-0 x 7-0	1 3/4	HM	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	2	
119	100F	119	3-8 x 7-0	1 3/4	WD	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2	22/A5.3	C.M.U.	27	
121	100F	121	3-0 x 7-0	1 3/4	WD	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
122	100F	122	3-8 x 7-0	1 3/4	H.M.	18	B	5 7/8"	H.M	16	A	PAINT	7/A5.2	8/A5.2 15/A5.2	22/A5.3	C.M.U.	4	
122A	122C	122A	3-8 x 7-0	1 3/4	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	7	
122B	122C	122B	—	—	—	—	—	—	—	—	—	—	—	—	—	PREFAB.	—	PREFAB. UNIT - SEE SPEC.
122C	122	122C	3-8 x 7-0	1 3/4	H.M.	18	B	5 7/8"	H.M	16	A	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	7	
122D	126	122	(4) 3-0 x 9-2	1 3/4	H.M	16	I	5 7/8"	H.M.	14	D	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	40	GALV. DOOR & FRAME
123	100F	123	3-0 x 7-0	1 3/4	WD	—	D	5 7/8"	H.M	16	A	STAIN	1/A5.2	2/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
125	100F	125	3-0 x 7-0	1 3/4	WD	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
126	100F	126	3-8 x 7-0	1 3/4	HM	18	B	5 7/8"	H.M.	16	B	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	4	GALV. DOOR & FRAME
126A	126	126A	—	—	—	—	—	—	—	—	—	—	—	—	—	PREFAB.	—	PREFAB. UNIT - SEE SPEC.
126B	EXT	126	(4) 4-0 x 9-2	1 3/4	HM	16	I	5 7/8"	H.M.	14	C	PAINT	1/A5.2	2/A5.2	17/A5.3	CMU/PRE	39	
126C	EXT	126	3-0 x 7-0	1 3/4	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	1/A5.2	2/A5.2	17/A5.3	CMU/PRE	15	
127	100F	127	3-0 x 7-0	1 3/4	WD	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
129	100F	129	3-0 x 7-0	1 3/4	WD	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
131	100F	131	3-0 x 7-0	1 3/4	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	6	1 HR.
134	100F	134	3-8 x 7-0	1 3/4	H.M.	18	A	5 7/8"	H.M	16	A	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	27	
136	100G	136	3-8 x 7-0	1 3/4	H.M.	18	B	5 7/8"	H.M.	16	B	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	4	GALV. DOOR & FRAME
138	100G	138	3-8 x 7-0	1 3/4	H.M	18	B	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	4	
193	EXT	53	3-0 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	7/A5.2	12/A5.2 2/A5.3	17/A5.3	CMU/PRE	21	
191	100D	51	3-0 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	20/A5.3	C.M.U.	20	2 HR.
191A	EXT	51	3-0 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	1/A5.3	3/A5.3 3/A5.3	17/A5.3	CMU/PRE	21	INSULATED
191B	51	51	3-0 x 7-0	1 3/4"	HM	18	A	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 12/A5.2	18/A5.3	G.W.B.	20	2 HR.
192	100F	52	3-0 x 7-0	1 3/4"	H.M	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	13/A5.2	18/A5.3	C.M.U.	20	2 HR.
113A	113	CHASE	1-8 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	20/A5.3	C.M.U.	10	
113B	100F	CHASE	1-8 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	10	
117A	117	CHASE	1-8 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	20/A5.3	C.M.U.	10	

DOOR AND FRAME SCHEDULE

MARK	LOCATION EXT	LOCATION INT	DOOR SIZE	DOOR THICK	DOOR MATL	DOOR GAGE	DOOR TYPE	FRAME DEPTH	FRAME MATL	FRAME GAGE	FRAME TYPE	DOOR FINISH	INSTALLATION HEAD	INSTALLATION JAMB	INSTALLATION SILL	WALL	HDW SET	REMARKS
140A	EXT	140	PR. 3-4 x 8-0	1 3/4"	H.M.	16	C	5 7/8"	H.M.	14	C	PAINT	1/A5.3	3/A5.3	17/A5.3	CMU/PRE	34	
140B	EXT	140	3-0 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	1/A5.3	2/A5.3, 5/A5.3	17/A5.3	CMU/PRE	21	
141	EXT	141	4-0 x 8-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	1/A5.3	2/A5.3	17/A5.3	CMU/PRE	15	
142A	140	142	PR. 3-0 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	D	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	37	GALV. DOOR & FRAME
142B	EXT	142	PR. 2-10 x 8-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	C	PAINT	1/A5.3	5/A5.3	17/A5.3	CMU/PRE	34	
142	EXT	142	3-8 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	1/A5.3	2/A5.3	17/A5.3	CMU/PRE	15	
143	140	143	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	B	PAINT	7/A5.2 W/SEAL	8/A5.2 W/SEAL	23/A5.3	C.M.U.	35	GALV. DOOR & FRAME
145	140	145	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	B	PAINT	7/A5.2 W/SEAL	8/A5.2 W/SEAL	23/A5.3	C.M.U.	35	GALV. DOOR & FRAME
146A	140	146	PR. 3-0 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	D	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	36	GALV. DOOR & FRAME
146B	140	146	PR. 3-0 x 7-0	1 3/4"	H.M	18	B	5 7/8"	H.M.	16	D	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	36	GALV. DOOR & FRAME
147	140	147	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	B	PAINT	7/A5.2 W/SEAL	8/A5.2 W/SEAL	23/A5.3	C.M.U.	35	GALV. DOOR & FRAME
149	140	149	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	B	PAINT	7/A5.2 W/SEAL	8/A5.2 W/SEAL	23/A5.3	C.M.U.	35	GALV. DOOR & FRAME
151	140	151	3-8 x 7-0	1 3/4"	H.M	18	B	5 7/8"	H.M.	16	B	PAINT	7/A5.2 W/SEAL	8/A5.2 W/SEAL	23/A5.3	C.M.U.	35	GALV. DOOR & FRAME
152	140	152	3-8 x 7-0	1 3/4"	H.M	18	A	5 7/8"	H.M.	16	B	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	27	GALV. DOOR & FRAME
153	140	153	3-8 x 7-0	1 3/4"	H.M	18	B	5 7/8"	H.M.	16	B	PAINT	7/A5.2 W/SEAL	8/A5.2 W/SEAL	23/A5.3	C.M.U.	35	GALV. DOOR & FRAME
154	140	154	3-0 x 7-0	1 3/4"	H.M	18	A	5 7/8"	H.M.	16	B	PAINT	7/A5.2	8/A5.2 12/A5.2	20/A5.3	C.M.U.	9	GALV. DOOR & FRAME
155	142	155	3-4 x 8-0	1 3/4"	H.M.	16	B	—	—	—	—	PAINT	13/A5.3	14/A5.3 15/A5.3	16/A5.3	C.M.U.	—	GALV. DOOR & FRAME
156	142	156	3-0 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	B	PAINT	7/A5.2	12/A5.2	22/A5.3	C.M.U.	6	GALV. DOOR & FRAME
158	142	158	3-8 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	B	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	27	GALV. DOOR & FRAME
159	142	159	3-4 x 8-0	1 3/4"	H.M.	16	B	—	—	—	—	PAINT	13/A5.3	14/A5.3 15/A5.3	16/A5.3	C.M.U.	—	GALV. DOOR & FRAME
142D	142	CHASE	1-8 x 7-0	1 3/4"	H.M.	18	A	5 7/8	H.M.	16	B	PAINT	7/A5.2	8/A5.2	18/A5.3	C.M.U.	10	
170	EXT	170	PR. 2-6 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	C	PAINT	1/A5.3	2/A5.3	8/A5.3	CMU/PRE	33	
200C	200	CHASE	1-8 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	20/A5.3	C.M.U.	10	
200A	200	110	PR. 2-6 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	C	STAIN	7/A5.2	8/A5.2	21/A5.3	C.M.U.	31	W/ VIEW WINDOW
200B	200	110	PR. 2-6 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	C	STAIN	7/A5.2	8/A5.2	22/A5.3	C.M.U.	31	W/ VIEW WINDOW
201	200	201	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	12/A5.2	21/A5.3	C.M.U.	6	
202	200	202	3-0 x 7-0	1 3/4"	WD.	—	F	4 7/8"	WD.	—	—	STAIN	6/A7.4	6/A7.4	22/A5.3	G.W.B.	30	
203	200	203	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2 12/A5.2	21/A5.3	C.M.U.	6	
204	200	204	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2	22/A5.3	G.W.B.	30	W/ VIEW WINDOW
205	200	205	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2 12/A5.2	22/A5.3	C.M.U.	9	
206	200	206	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2	22/A5.3	G.W.B.	30	W/ VIEW WINDOW
207	200	207	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2 12/A5.2	19/A5.3	C.M.U.	9	
202A	202	SHAFT	2-4 x 7-0	1 3/4"	H.M.	18	A	4 1/2"	H.M.	16	A	PAINT	10/A5.3	10/A5.3	11/A5.3	SHAFT	29	2 HR.
241	EXT	241	PR. 3-0 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	C	PAINT	1/A5.3	2/A5.3	8/A5.3	CMU/PRE	33	INSULATED
291	200	51	3-0 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	20/A5.3	C.M.U.	20	2 HR.
293	200	53	3-0 x 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	3/A5.4	7/A5.4 12/A5.4	14/A5.3	GWB/PRE	1	2 HR.
309	EXT	309	PR. 3-6 x 7-9	1 3/4	ALUM.	—	E	7 3/4"	ALUM	—	—	—	19/A5.5	20/A5.5	17/A5.4	ALUM/GL.	1	
M294		INTER.	3-0 x 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	7/A5.2	C.M.U.	29	
M295	SHAFT	INTER.	2-4 x 7-0	1 3/4"	H.M.	18	A	4 1/2"	H.M.	16	A	PAINT	10/A5.3	10/A5.3	11/A5.3	SHAFT	29	2 HR.
302A	302	SHAFT	2-4 x 7-0	1 3/4"	H.M.	18	A	4 1/2"	H.M.	16	A	PAINT	10/A5.3	10/A5.3	11/A5.3	SHAFT	29	2 HR.
302	300	302	4-0 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	17/A5.2 18/A5.2	22/A5.3	G.W.B./CONC.	4	
304	300	304	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
306	300	306	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	4	
308	300	308	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
308A	308	308B	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	18	
308B	302	308B	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	18	
311	300	311	3-0 x 7-0	1 3/4"	W.D.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2 15/A5.2	20/A5.3	C.M.U.	9	
312	300	312	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
312A	300	312	3-8 x 7-0	—	—	—	—	5 7/8"	H.M.	16	E	—	9/A5.3	9/A5.3	22/A5.3	G.W.B.	—	CASED OPNG.
313	300	313	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2 15/A5.2	20/A5.3	C.M.U.	9	
317	300	317	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2	22/A5.3	C.M.U.	2	W/ VIEW WINDOW
318	300	318	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
318A	318	318A	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	7	
319	300	319	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
320	300	320	3-0 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	
321	300	321	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
323	300	323	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
324	300	324	4-0 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
325	300	325	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
327	300	327	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
328	300	328	4-0 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
329	300	329	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
330	300	330	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	6	
331	300	331	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
332	300	332	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
332A	332	332A	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	7	
333	300	333	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
335	300	335	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
336	300	336	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
336A	336	336A	3-8 x 7-0	—	—	—	—	5 7/8"	H.M.	16	E	—	9/A5.3	9/A5.3	22/A5.3	G.W.B.	—	CASED OPENING
337	300	337	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
338	300	338	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	27	
339	300	339	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
340	300	340	4-0 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	C.M.U.	4	
340A	340	340A	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	22/A5.3	G.W.B.	7	
341	300	341	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
343	300	343	3-0 x 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
344	300	344	3-8 x 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 4/A5.2	22/A5.3	G.W.B.	4	
344A	344	340	3-8 x 7-0	—	—	—	—	5 7/8"	H.M.	16	E	—	9/A5.3	9/A5.3	22/A5.3	GWB	—	CASED OPENING

DOOR TYPES
(NO SCALE)

FRAME TYPES
(NO SCALE)

FRAME PROFILES
(NO SCALE)

RECORD DRAWINGS
DATE NOV. 13-87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED FILE 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION, UNIVERSITY OF KENTUCKY DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET: DOOR SCHEDULE, DOOR & FRAME TYPES
DRAWN BY L.H.A.
CHECKED BY L.H.A.
DATE 5-28-85
SHEET NUMBER A5.1

8412.01/CD/A5.1/5-28-85

DOOR AND FRAME SCHEDULE

MARK	LOCATION EXT	INT	DOOR SIZE	THICK	MATL	GAGE	TYPE	FRAME DEPTH	MATL	GAGE	TYPE	DOOR FINISH	INSTALLATION HEAD	JAMB	SILL	WALL	HDW SET	REMARKS
344B	344	346	3-0 X 7-0	—	—	—	—	5 7/8"	H.M.	16	E	—	9/A5.3	9/A5.3	22/A5.3	G.W.B.	—	CASED OPNG.
345	300	345	3-0 X 7-0	1 3/4"	HM	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	22/A5.3	C.M.U.	6	
346	300	346	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
346A	346	346A	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	28	
346B	346	346B	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	28	
348	300	348	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3		6	
311A	311	CHASE	1-8 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	8/A5.2	20/A5.2		10	
391	S1	300	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	18/A5.3	C.M.U.	20	2 HR.
392	S2	300	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	18/A5.3	C.M.U.	20	2 HR.
M391	S1	INTER.	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	18/A5.3	C.M.U.	29	2 HR.
M392	S2	INTER.	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	18/A5.3	C.M.U.	29	2 HR.
M394	SHAFT	INTER.	2-4 X 7-0	1 3/4"	H.M.	18	A	4 1/2"	H.M.	16	A	PAINT	10/A5.3	10/A5.3	11/A5.3	SHAFT	29	2 HR.
M395	SHAFT	INTER.	2-4 X 7-0	1 3/4"	H.M.	18	A	4 1/2"	H.M.	16	A	PAINT	10/A5.3	10/A5.3	11/A5.3	SHAFT	29	2 HR.
402A	402	SHAFT	2-4 X 7-0	1 3/4"	H.M.	18	A	4 1/2"	H.M.	16	A	PAINT	10/A5.3	10/A5.3	11/A5.3	SHAFT	29	2 HR
402	400	402	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 4/A5.2	22/A5.3	G.W.B.	4	
402B	402	402B	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	7	
404	400	404	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 4/A5.2	22/A5.3	G.W.B.	4	
404A	404	404A	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	27	
406	400	406	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
406A	406	406A	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	7	
406B	406	404	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	7	
407	400	407	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2	22/A5.3	C.M.U.	6	
408	400	408	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	27	
411	400	411	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2 15/A5.2	20/A5.3	C.M.U.	9	
412	400	412	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
412B	412	412B	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	7	
413	400	413	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	8/A5.2 15/A5.2	20/A5.3	C.M.U.	9	
416	400	416	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	4	
416B	416	416B	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	7	
418	400	418	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
421	400	421	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
422	400	422	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	5	
422A	422	422A	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	7	
423	400	423	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
423A	400	423	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	
426	400	426	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
426A	426	430	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	28	
427	400	427	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
429	400	429	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
430	400	430	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 4/A5.2	22/A5.3	G.W.B.	4	
431	400	431	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
433	400	433	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
435	400	435	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
436	400	436	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 4/A5.2	22/A5.3	G.W.B.	27	
437	400	437	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
439	400	439	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
440	400	440	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2 4/A5.2	22/A5.3	G.W.B.	4	
441	400	441	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
443	400	443	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
444	400	444	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
445	400	445	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	1/A5.2	2/A5.2 3/A5.2	22/A5.3	G.W.B.	2	W/ VIEW WINDOW
446	400	446	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
447	400	447	3-0 X 7-0	1 3/4"	WD.	—	D	5 7/8"	H.M.	16	A	STAIN	7/A5.2	*8/A5.2	22/A5.3	C.M.U.	6	
448	400	448	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	2/A5.2	22/A5.3	G.W.B.	4	
450	400	450	3-0 X 7-0	1 3/4"	H.M.	18	B	5 7/8"	H.M.	16	A	PAINT	1/A5.2	3/A5.2 4/A5.2	22/A5.3	G.W.B.	4	
411A	411	CHASE	1-8 X 7-0	1 3/4"	H.M.	18	A	5 7/8	H.M.	16	A	PAINT	7/A5.2	8/A5.2	20/A5.3	C.M.U.	10	
491	S1	400	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	20/A5.3	C.M.U.	20	2 HR.
492	S2	400	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	20/A5.3	C.M.U.	20	2 HR.
M491	S1	INTER.	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	18/A5.3	C.M.U.	29	2 HR.
M492	S2	INTER	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	18/A5.3	C.M.U.	29	2 HR.
M494	SHAFT	INTER.	2-4 X 7-0	1 3/4"	H.M.	18	A	4 1/2"	H.M.	16	A	PAINT	10/A5.3	10/A5.3	11/A5.3	SHAFT	29	2 HR.
M495	SHAFT	INTER.	2-4 X 7-0	1 3/4"	H.M.	18	A	4 1/2"	H.M.	16	A	PAINT	10/A5.3	10/A5.3	11/A5.3	SHAFT	29	2 HR.
501	EXT.	501	3-0 X 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	6/A5.3	7/A5.3	8/A5.3	MTL/PRE	32	
502	EXT.	502	3-0 X 7-0	1 3/4"	H.M.	16	A	5 7/8"	H.M.	14	A	PAINT	6/A5.3	7/A5.3	8/A5.3	MTL/PRE.	32	
591	S1	501	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	18/A5.3	C.M.U.	6	2HR.
592	S2	502	3-0 X 7-0	1 3/4"	H.M.	18	A	5 7/8"	H.M.	16	A	PAINT	7/A5.2	10/A5.2 11/A5.2	18/A5.3	C.M.U.	6	2HR.

1 HEAD SCALE: 3"=1'-0"

7 HEAD SCALE: 3"=1'-0"

12 JAMB SCALE: 3"=1'-0"

2 JAMB SCALE: 3"=1'-0"

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

13 JAMB SCALE: 3"=1'-0"

3 JAMB SCALE: 3"=1'-0"

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

5 HEAD SCALE: 3"=1'-0"

6 JAMB SCALE: 3"=1'-0"

9 VOID

14 HEAD SCALE: 3"=1'-0"

10 JAMB SCALE: 3"=1'-0"

15 JAMB SCALE: 3"=1'-0"

11 JAMB SCALE: 3"=1'-0"

16 JAMB SCALE: 3"=1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET LOUISVILLE, KENTUCKY 40202 502 587 9571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
LEXINGTON, KENTUCKY
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
LEXINGTON, KENTUCKY
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION, UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

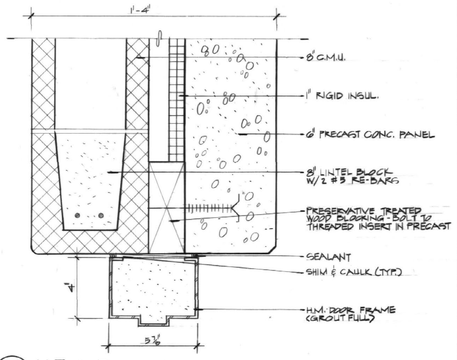
PROJECT NUMBER 8412.01

ITEMS ON SHEET
- DOOR SCHEDULE
- DOOR DETAILS

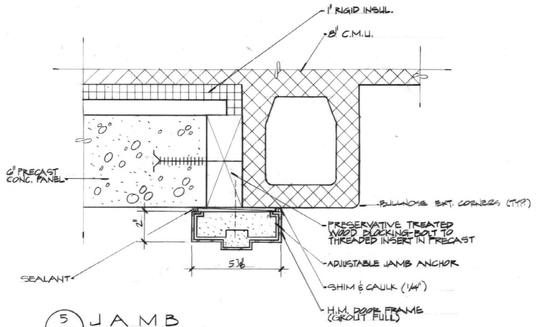
DRAWN BY TGM
CHECKED BY LHA
DATE 5-28-85
REVISIONS

SHEET NUMBER **A5.2**

8412.01/CD/A5.2/5-28-85



1 A5.1 HEAD
SCALE: 3"=1'-0"



5 A5.1 JAMB
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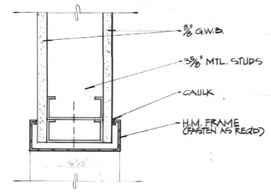
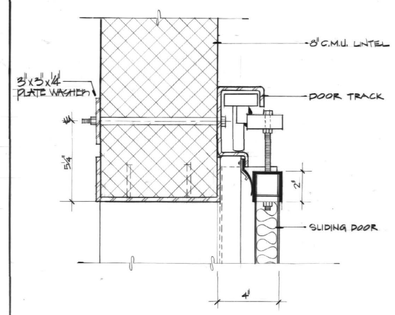
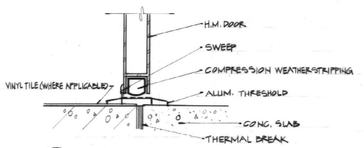


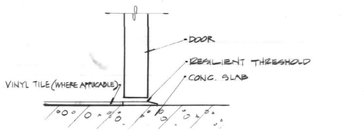
9 A5.1 HEAD & JAMB
SCALE: 3"=1'-0"



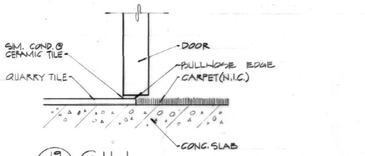
13 A5.1 HEAD
SCALE: 3"=1'-0"



17 A5.1 SILL
SCALE: 3"=1'-0"



18 A5.1 SILL
SCALE: 3"=1'-0"



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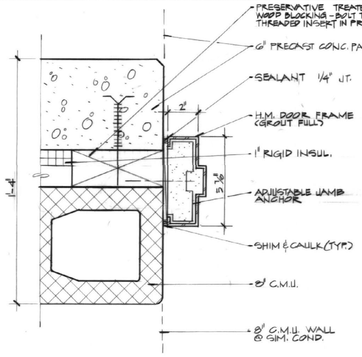

2 A5.1 JAMB
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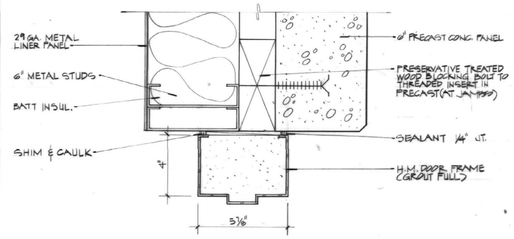

6 A5.1 HEAD
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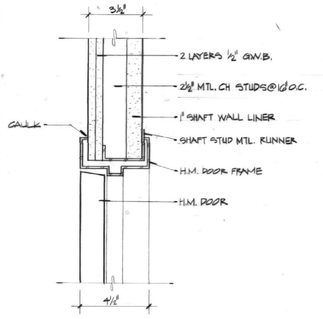

10 A5.1 HEAD & JAMB
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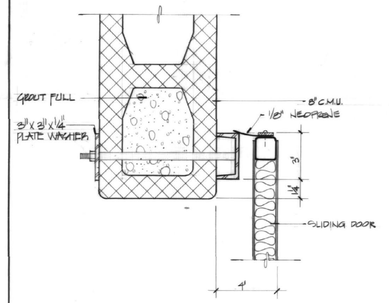

14 A5.1 JAMB
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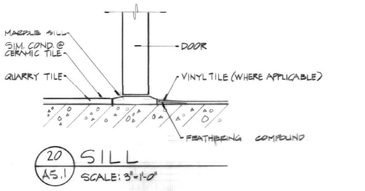

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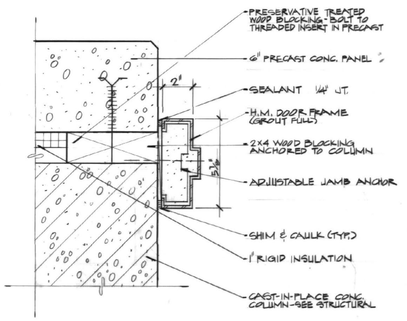

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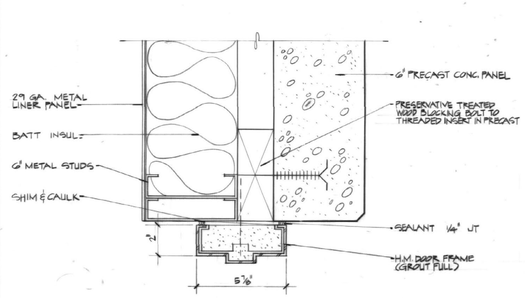

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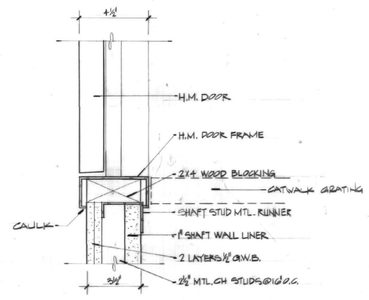

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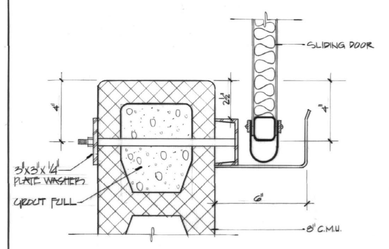

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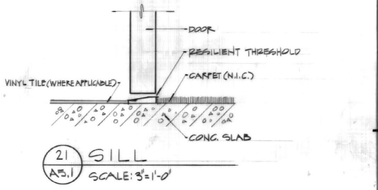

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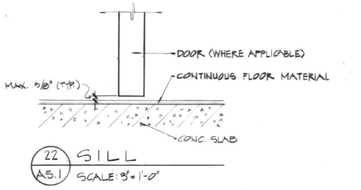

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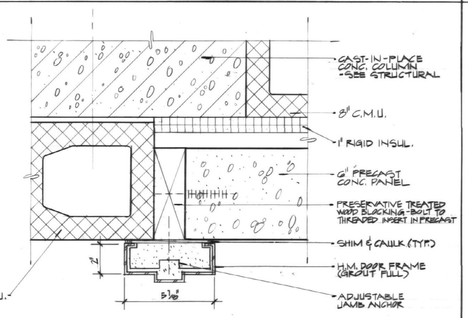

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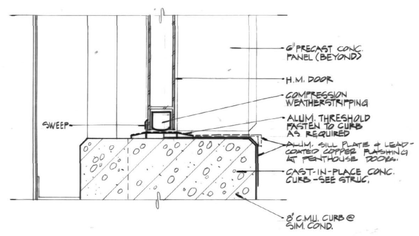

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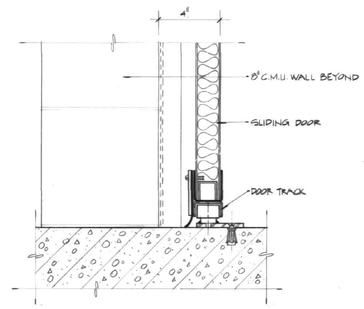

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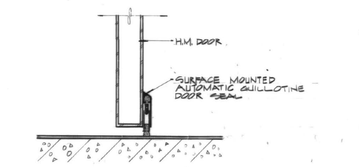


23 A5.1 SILL
SCALE: 3"=1'-0"

RECORD DRAWINGS
DATE NOV. 13/87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McKEYNOLDS CONSULTING ENGINEERS
2061 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL GIBSON ASSOCIATES REGISTERED NO. 343 1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY
DIRECTOR, DIVISION OF CONSTRUCTION SERVICES
UNIVERSITY OF KENTUCKY
DATE 5/22/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
- DOOR DETAILS

DRAWN BY
TGM

CHECKED BY
LHA

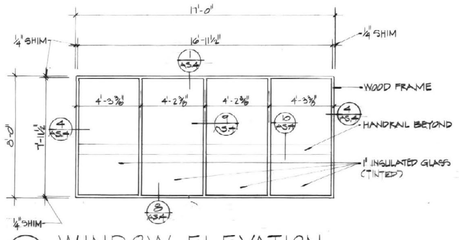
DATE
AS-BUILT 5-28-85

REVISIONS

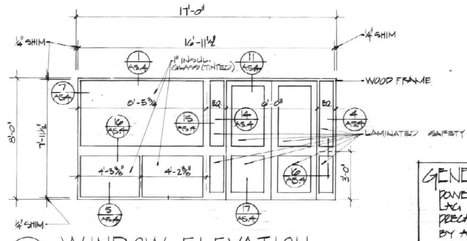
Cab # ____ Slot ____ Document # 011383
107 A-2

SHEET NUMBER
A5.3

8412.01/CD/A5.3/3-28-85

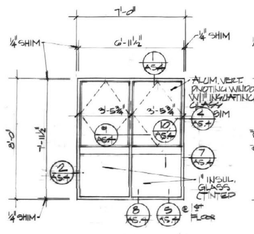


A WINDOW ELEVATION
A1.3 SCALE: ¼" = 1'-0"

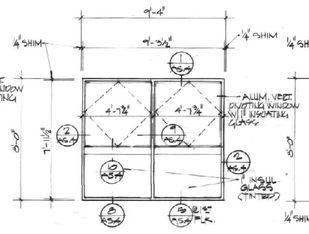


B WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"

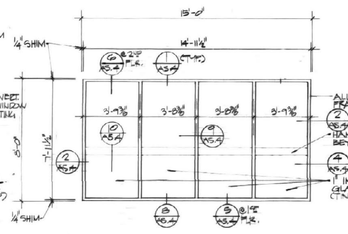
GENERAL NOTE:
DOWEL DRIVEN ANCHORS IN LIEU OF LAG BOLTS & THREADED INSERTS IN PRECAST PANELS SUBJECT TO APPROVAL BY ARCHITECT FOR WINDOW FRAME CONNECTIONS.



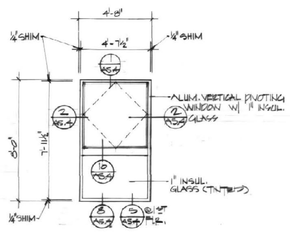
C WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"



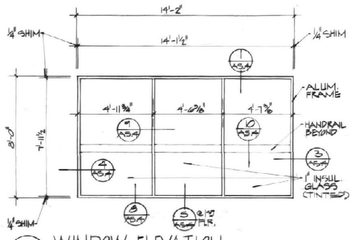
D WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"



E WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"



F WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"



G WINDOW ELEVATION
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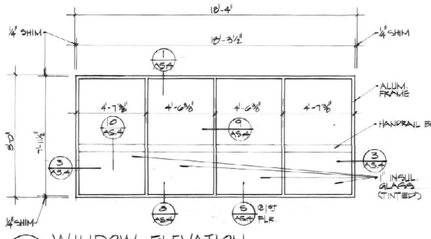
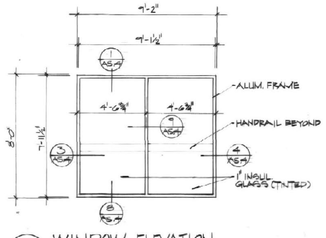
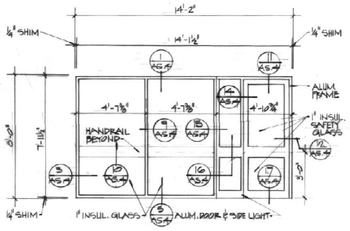


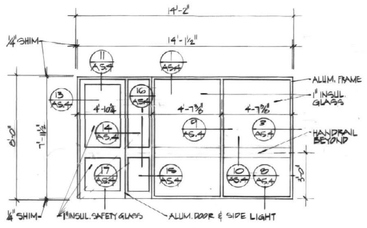
H WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"



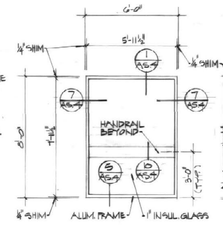
J WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"



K WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"



L WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"



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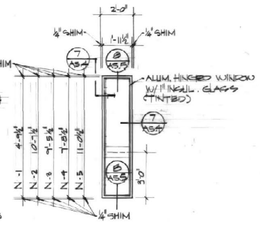

N WINDOW ELEVATION
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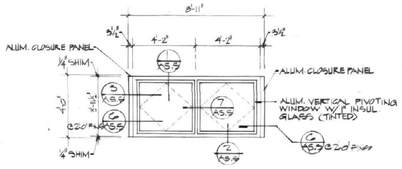

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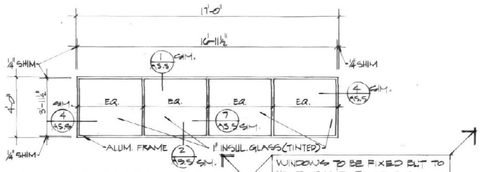
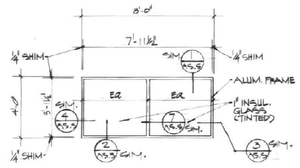


Q WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"

WINDOWS TO BE FIXED BUT TO HAVE SAME PROFILE AS VERTICAL PIVOTING WINDOWS



R WINDOW ELEVATION
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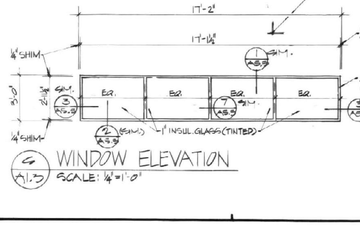
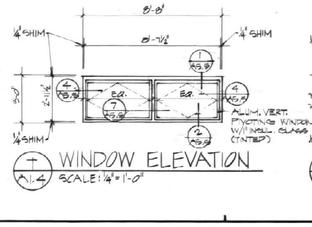
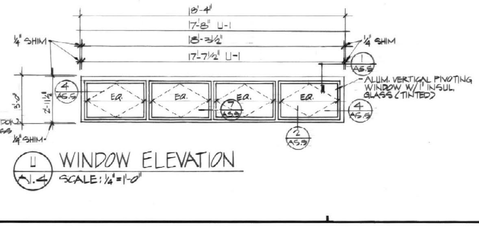


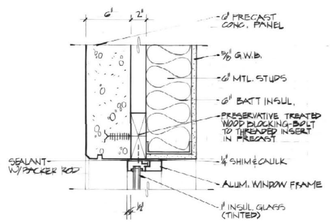
S WINDOW ELEVATION
A1.2 SCALE: ¼" = 1'-0"



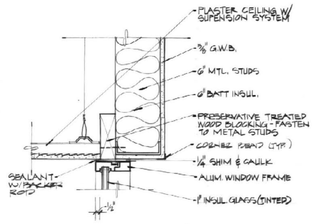
T WINDOW ELEVATION
A1.4 SCALE: ¼" = 1'-0"



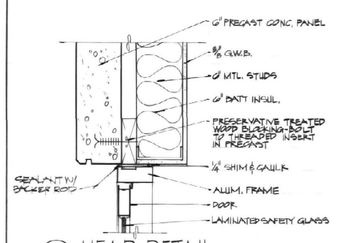
U WINDOW ELEVATION
A1.4 SCALE: ¼" = 1'-0"



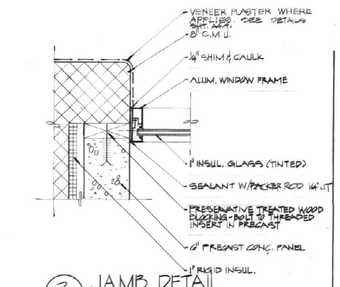
1 HEAD DETAIL
A5.4 SCALE: 1½" = 1'-0"



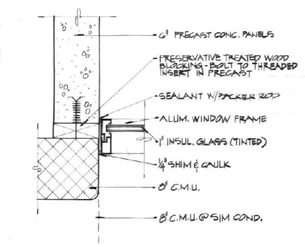
6 HEAD DETAIL
A5.4 SCALE: 1½" = 1'-0"



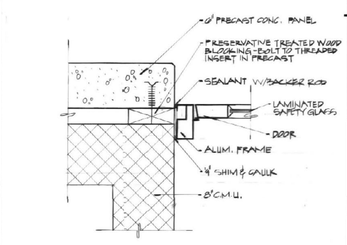
11 HEAD DETAIL
A5.4 SCALE: 1½" = 1'-0"



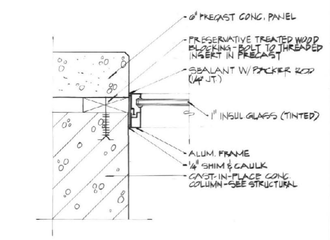
2 JAMB DETAIL
A5.4 SCALE: 1½" = 1'-0"



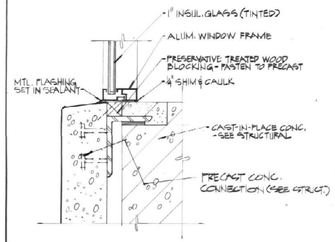
7 JAMB DETAIL
A5.4 SCALE: 1½" = 1'-0"



12 JAMB DETAIL
A5.4 SCALE: 1½" = 1'-0"



3 JAMB DETAIL
A5.4 SCALE: 1½" = 1'-0"



8 SILL DETAIL
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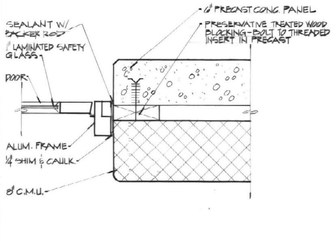

13 JAMB DETAIL
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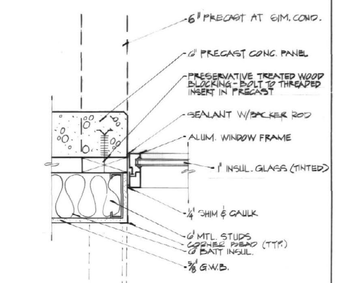

4 JAMB DETAIL
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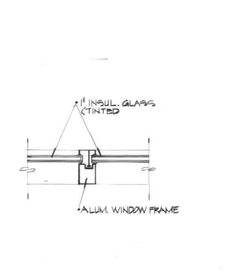

9 MULLION DETAIL
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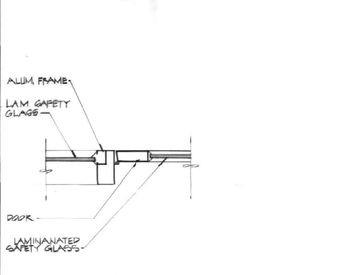
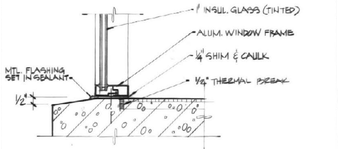
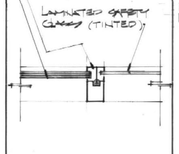


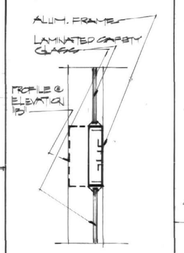
14 JAMB DETAIL
A5.4 SCALE: 1½" = 1'-0"



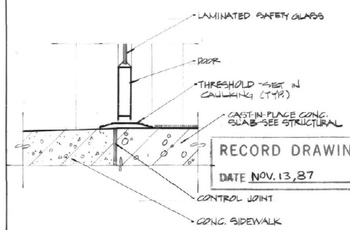
5 SILL DETAIL
A5.4 SCALE: 1½" = 1'-0"



15 MULLION DTL.
A5.4 SCALE: 1½" = 1'-0"



16 MULLION DTL.
A5.4 SCALE: 1½" = 1'-0"



17 SILL DETAIL
A5.4 SCALE: 1½" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502/587-8571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2001 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAMS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES
REGISTERED ARCHITECTS
NO. 343-1116
COMMONWEALTH OF KENTUCKY

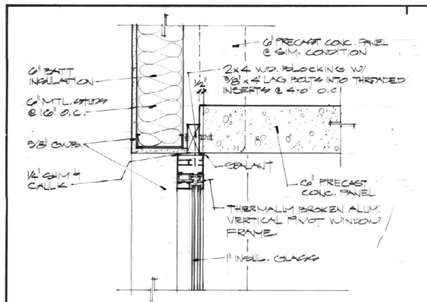
UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY
DIVISION OF CAPITAL CONSTRUCTION
UNIVERSITY OF KENTUCKY
DATE: 5/29/87

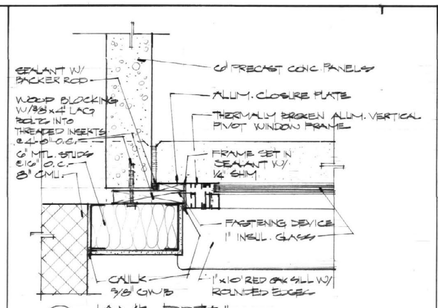
THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
WINDOW ELEVATIONS & DETAILS
DRAWN BY TGM
CHECKED BY LHA
DATE 8-28-87
REVISIONS
Cabinet Sliding Document #
SHEET NUMBER A5.4

8412.01\CD\A5.4\5-28-87



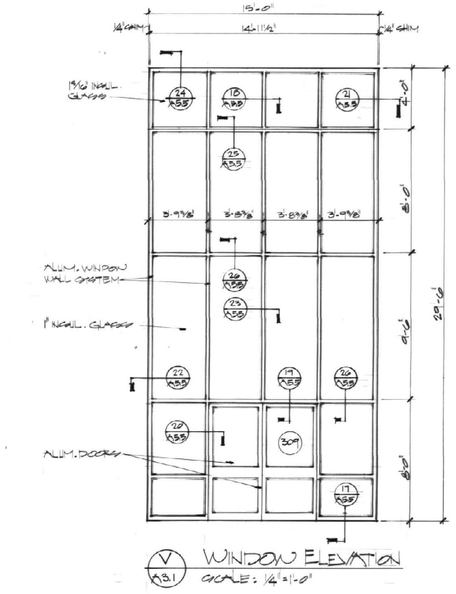
1 / A5.4 HEAD DETAIL
SCALE: 1½"=1'-0"



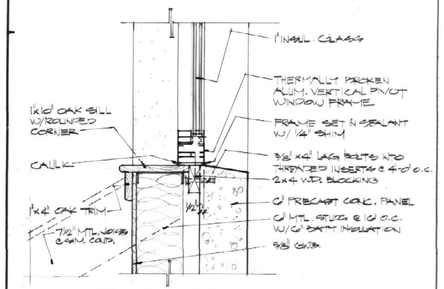
6 / A5.4 JAMB DETAIL
SCALE: 1½"=1'-0"

11 / A

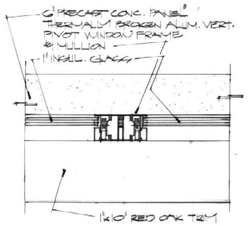
16 / A5



V / A9.1 WINDOW ELEVATION
SCALE: 1/4"=1'-0"

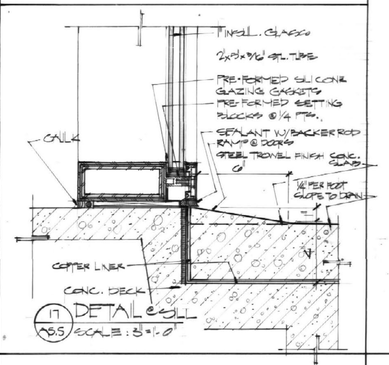


2 / A5.4 SILL DETAIL
SCALE: 1½"=1'-0"

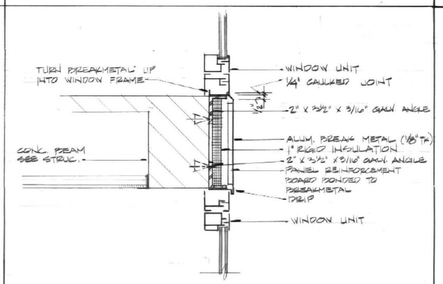


7 / A5.4 VERTICAL MULLION
SCALE: 1½"=1'-0"

12 / A5

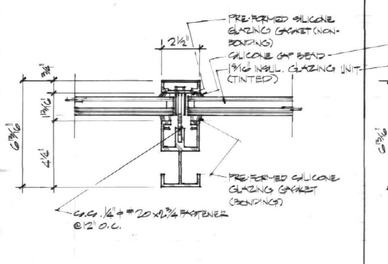


17 / A5.5 DETAIL @ SILL
SCALE: 3"=1'-0"



8 / A5.4 HEAD / SILL DETAIL
SCALE: 1½"=1'-0"

13 / A5



18 / A5.5 DETAIL
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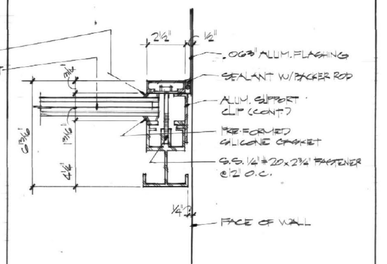

21 / A5.5 DETAIL
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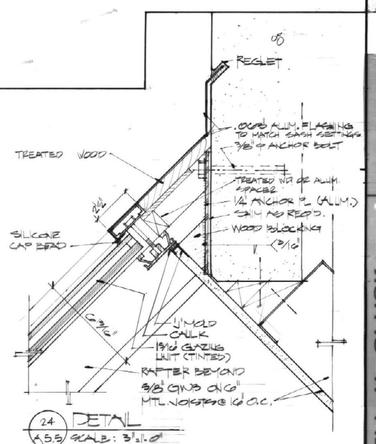
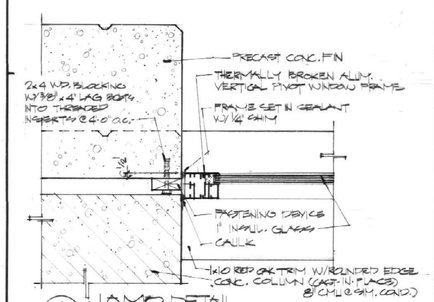


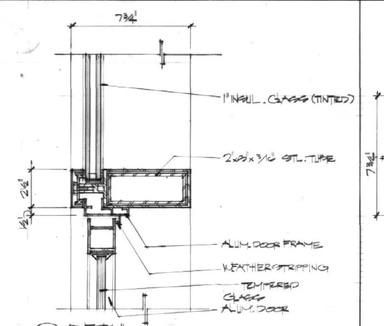
24 / A5.5 DETAIL
SCALE: 3"=1'-0"



4 / A5.4 JAMB DETAIL
SCALE: 1½"=1'-0"

9 / A5.
SCALE: 3"=1'-0"

14 / A5.



19 / A5.5 DETAIL
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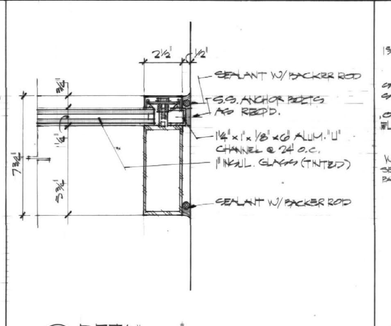

22 / A5.5 DETAIL
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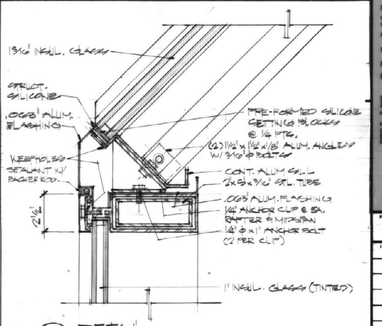

25 / A5.5 DETAIL
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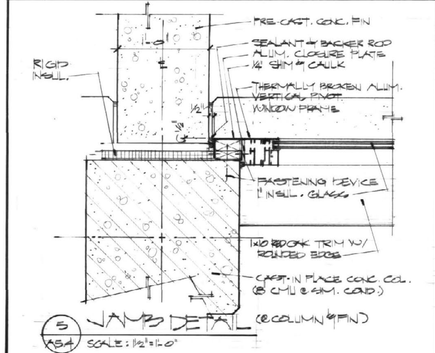
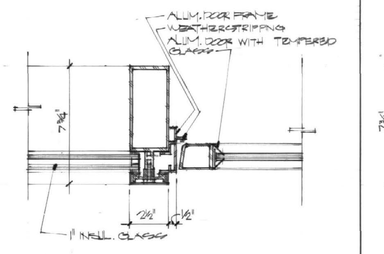


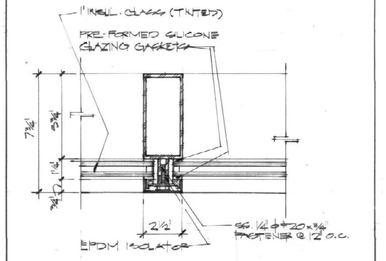
5 / A5.4 JAMB DETAIL (@ COLUMN & FIN)
SCALE: 1½"=1'-0"

10 / A5.
SCALE: 3"=1'-0"

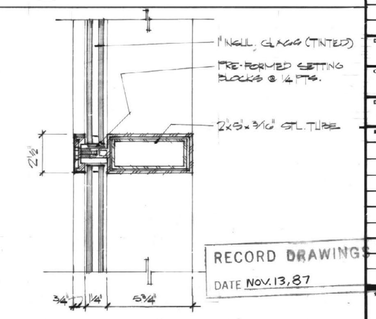
15 / A5.



20 / A5.5 DETAIL
SCALE: 3"=1'-0"



23 / A5.5 DETAIL (VERTICAL MULLION)
SCALE: 3"=1'-0"



26 / A5.5 DETAIL (HORIZONTAL MULLION)
SCALE: 3"=1'-0"

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502/587-0571

WHITE, WALKER & MCREYNOLDS CONSULTING ENGINEERS
2044 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

BICKEL-GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

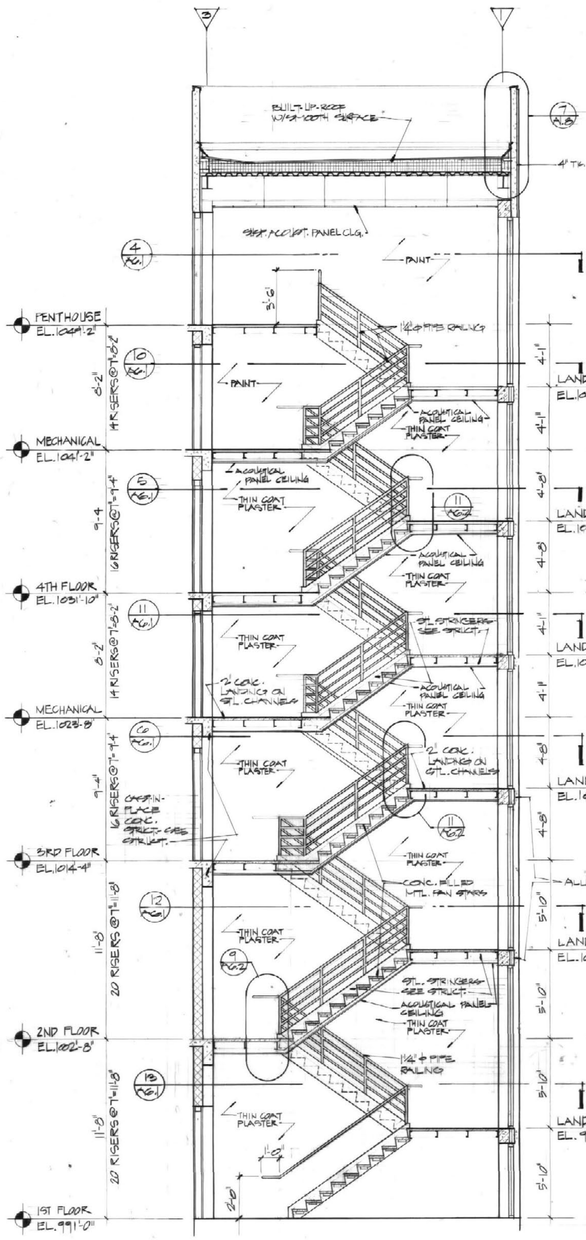
APPROVED BY: [signature] UNIVERSITY OF KENTUCKY CONSTRUCTION DIVISION DATE: 5/22/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

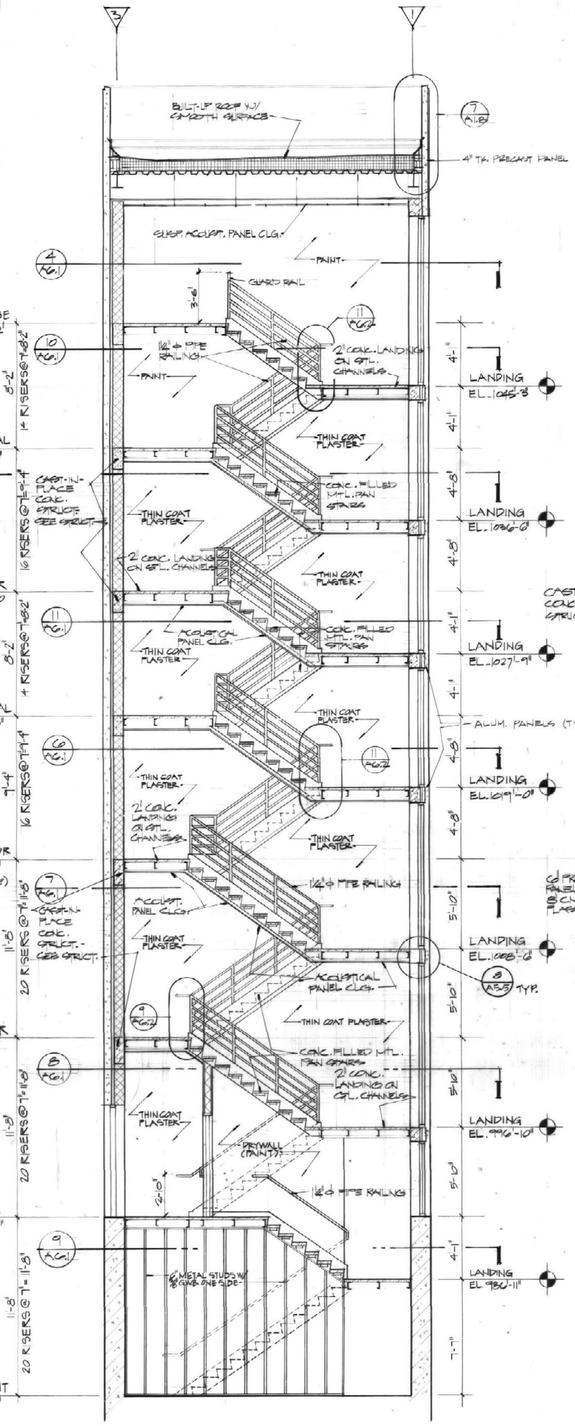
PROJECT NUMBER 84-2.01
ITEMS ON SHEET
WINDOW DETAILS
DRAWN BY JTM
CHECKED BY LA
DATE 5-28-85
REVISIONS

RECORD DRAWINGS
DATE NOV. 13, 87

SHEET NUMBER A5.5



1 / A6.1 STAIR S-2 SECTION
SCALE: ¼" = 1'-0"



2 / A6.1 STAIR S-1 SECTION
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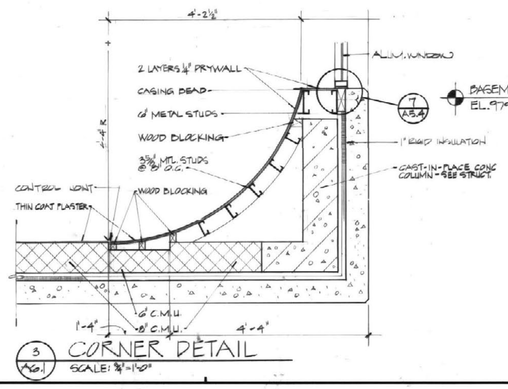
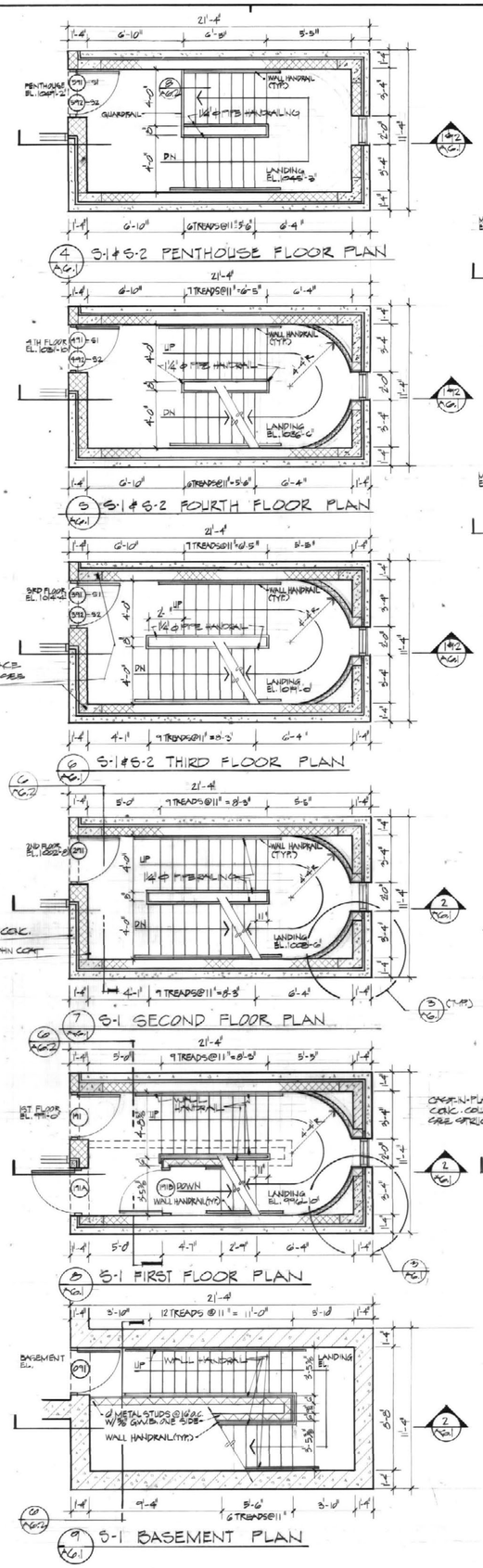


3 / A6.1 CORNER DETAIL
SCALE: ¾" = 1'-0"



4 / A6.1 S-1 & S-2 PENTHOUSE FLOOR PLAN
5 / A6.1 S-1 & S-2 FOURTH FLOOR PLAN
6 / A6.1 S-1 & S-2 THIRD FLOOR PLAN
7 / A6.1 S-1 SECOND FLOOR PLAN
8 / A6.1 S-1 FIRST FLOOR PLAN
9 / A6.1 S-1 BASEMENT PLAN
10 / A6.1 S-1 & S-2 LANDING FLOOR PLAN
11 / A6.1 S-1 & S-2 LANDING FLOOR PLAN
12 / A6.1 S-2 SECOND FLOOR PLAN
13 / A6.1 S-2 FIRST FLOOR PLAN

ENLARGED STAIR PLANS
SCALE: ¼" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 9571

WHITE, WALKER & MCREYNOLDS CONSULTING ENGINEERS
2001 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40502
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343 - 1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

230.1

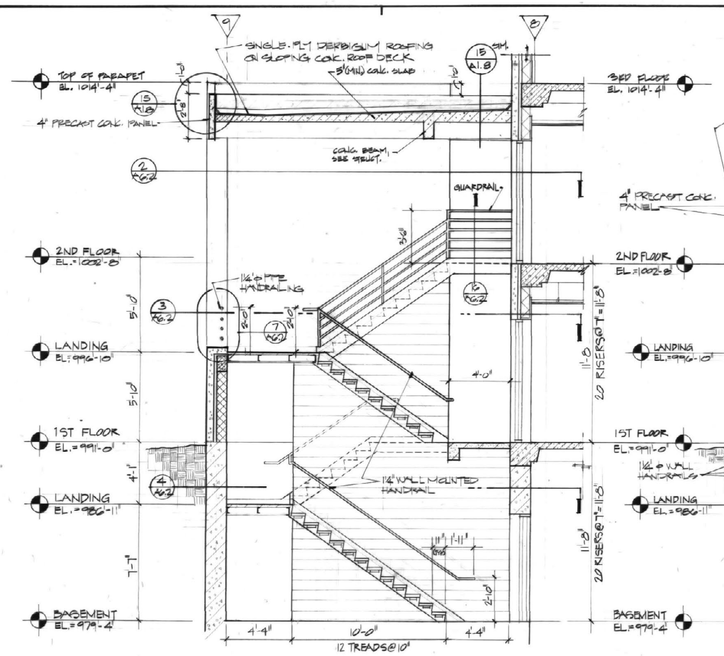
APPROVED BY
DIRECTOR OF DESIGN AND CONSTRUCTION 2/1/85
DATE 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
S1 & G2 CEMENT CREATIONS #4
PLANS
DRAWN BY TGM
CHECKED BY LHA
DATE 15-28-85
REVISIONS

SHEET NUMBER A6.1

8412.01/CD/A6.1/5-28-85



1 AG.2 STAIR S-3 SECTION

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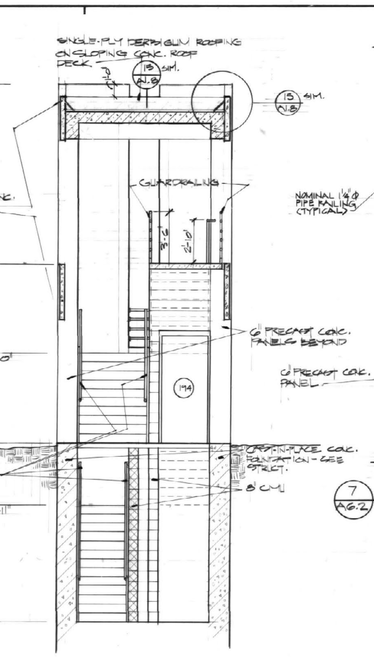
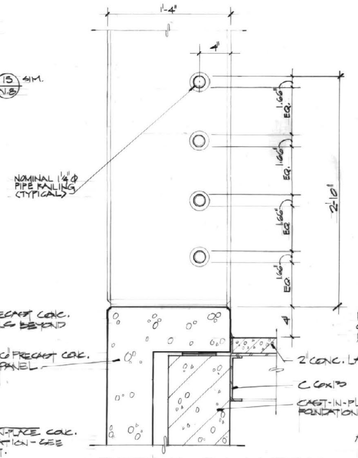


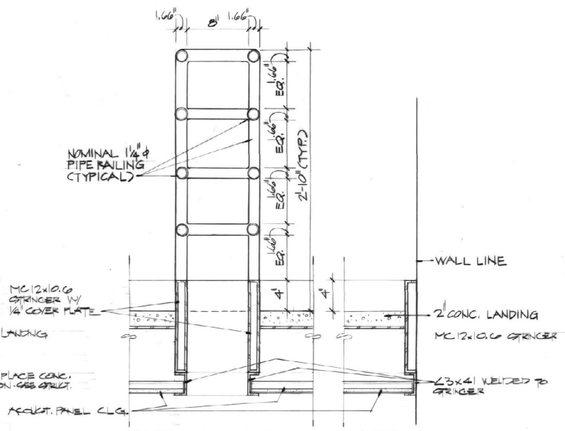
5 AG.2 STAIR S-3 CROSS SECTION

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



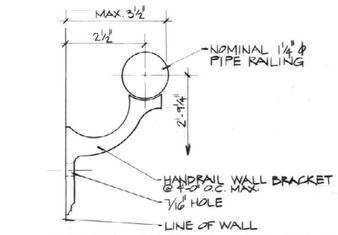
7 AG.2 DETAIL @ LANDING

SCALE: 1½" = 1'-0"



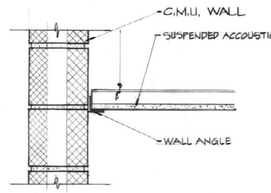
8 AG.2 TYPICAL DETAIL @ LANDING

SCALE: 1½" = 1'-0"



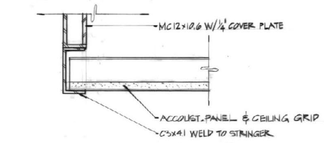
13 AG.1 TYPICAL HANDRAIL WALL BRACKET DETAIL

HALF SIZE



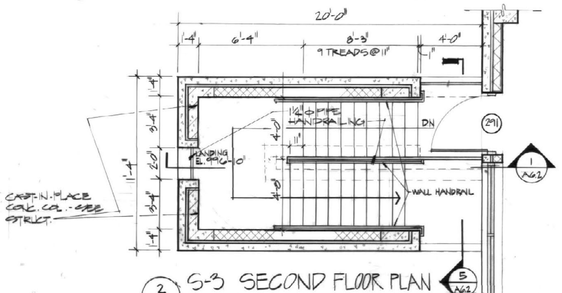
14 AG.2 CEILING DETAIL

SCALE: 1½" = 1'-0"



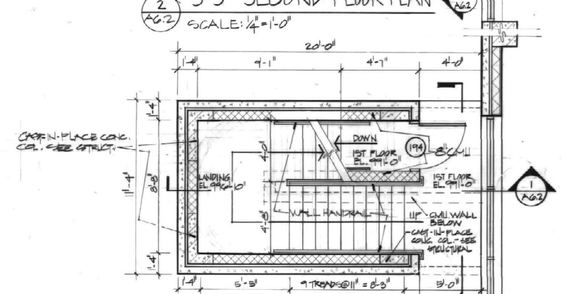
15 CEILING DETAIL

SCALE: 3" = 1'-0"



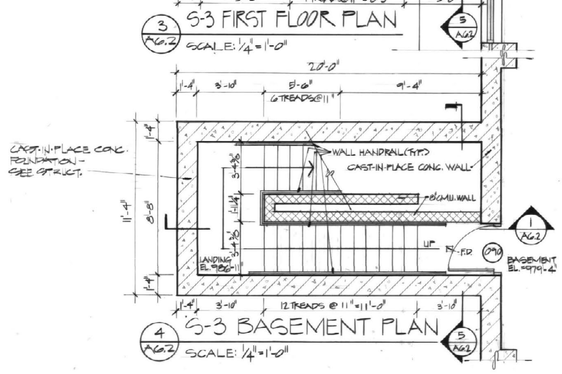
2 AG.2 S-3 SECOND FLOOR PLAN

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



3 AG.2 S-3 FIRST FLOOR PLAN

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



4 AG.2 S-3 BASEMENT PLAN

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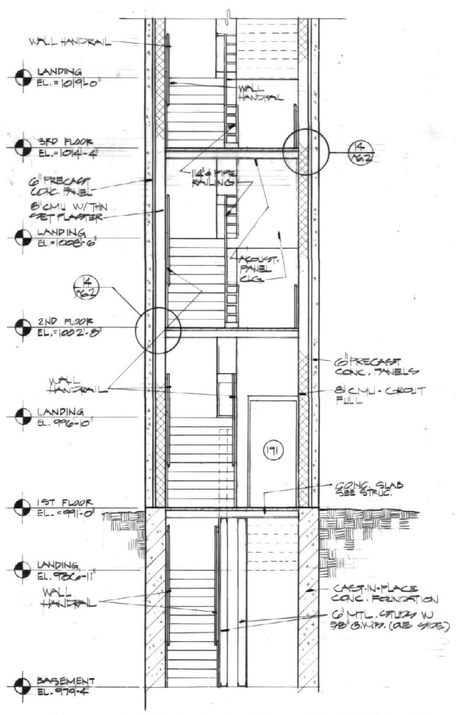
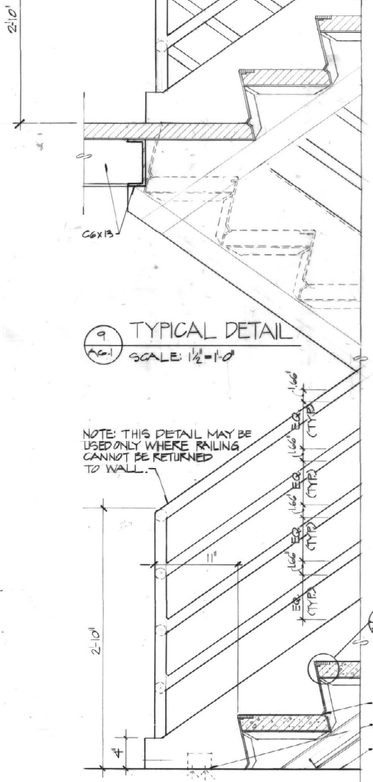


6 AG.1 S-1 CROSS SECTION

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

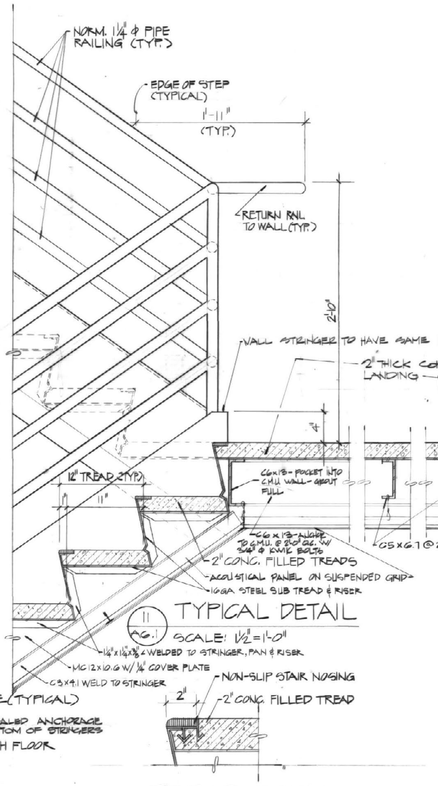


9 AG.1 TYPICAL DETAIL

SCALE: 1½" = 1'-0"

10 AG.1 TYPICAL DETAIL

SCALE: 1½" = 1'-0"

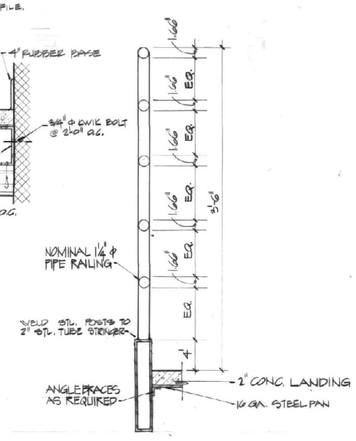


11 AG.1 TYPICAL DETAIL

SCALE: 1½" = 1'-0"

12 AG.2 TREAD DETAIL

SCALE: 3" = 1'-0"



16 AG.2 GUARD RAIL DETAIL

SCALE: 1½" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502/587-9571

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LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 3431116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR, OFFICE OF FACILITIES PLANNING, UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

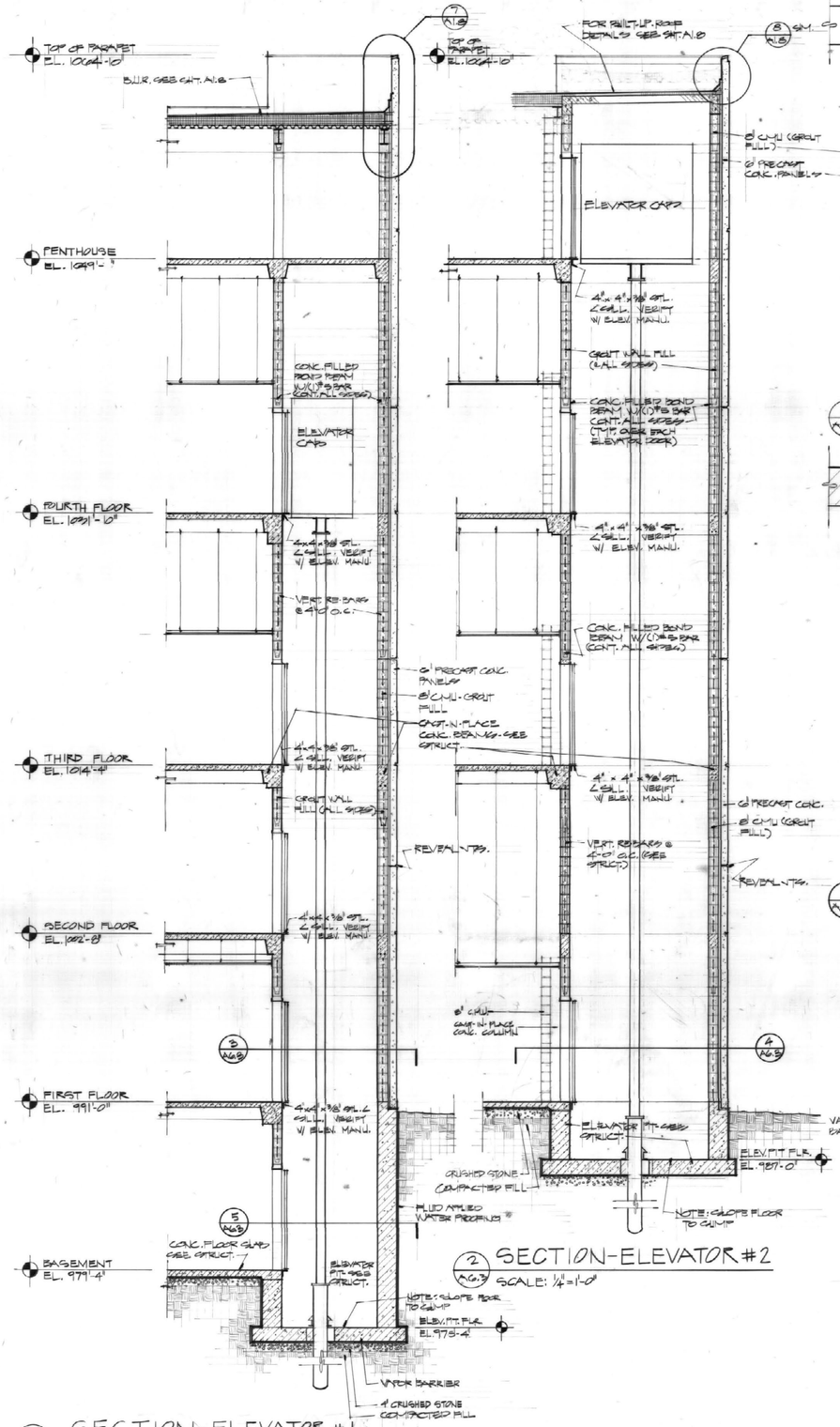
PROJECT NUMBER
ITEMS ON SHEET
- STAIR PLANS
- STAIR SECTIONS
- STAIR DETAILS

DRAWN BY: TGM
CHECKED BY: LHA
DATE: 5-28-85
REVISIONS

Call # Sht. Document # 11/1/86 A-2

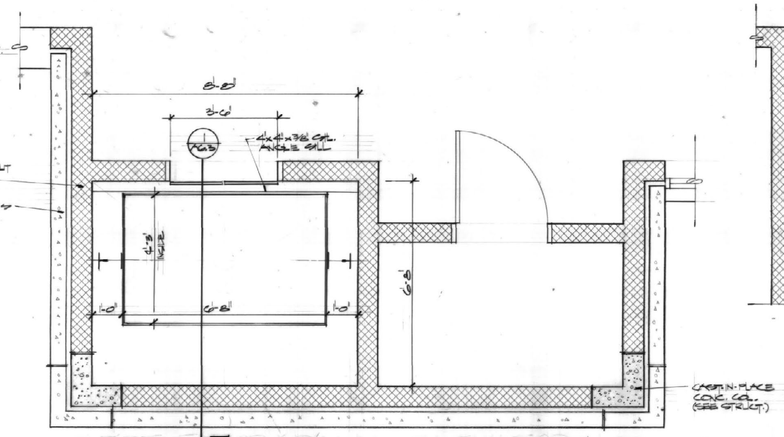
SHEET NUMBER
A6.2

8412.01/CD/A6.2/5-28-85

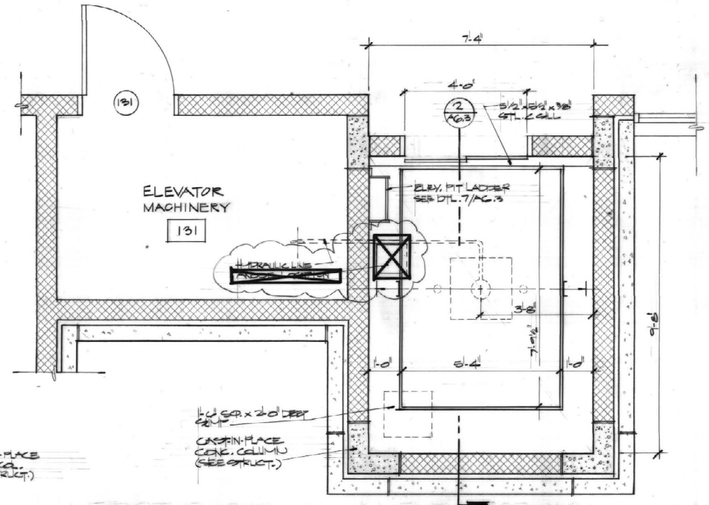


1 A6.3 — SECTION - ELEVATOR #1
SCALE: 1/4" = 1'-0"

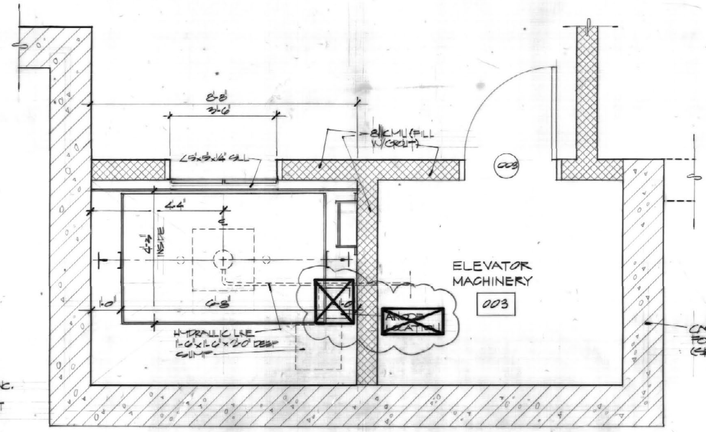
2 A6.3 — SECTION - ELEVATOR #2
SCALE: 1/4" = 1'-0"



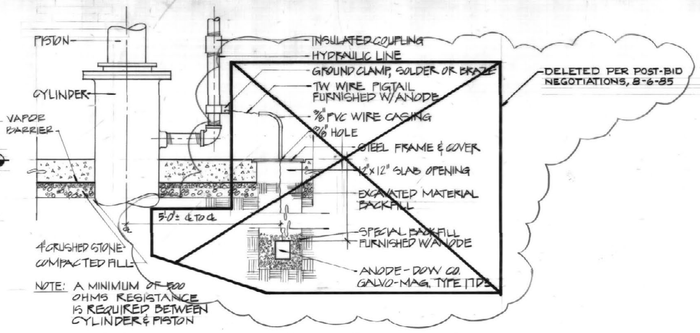
3 A1.2 — FIRST FLOOR PLAN - ELEVATOR #1 (TYPICAL)
SCALE: 1/2" = 1'-0"



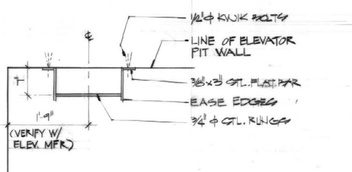
4 A1.2 — FIRST FLOOR PLAN - ELEVATOR #2 (TYPICAL)
SCALE: 1/2" = 1'-0"

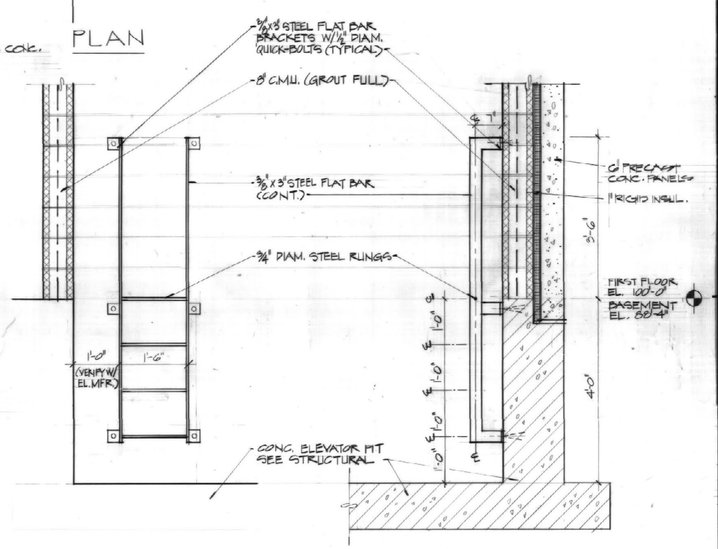


5 A1.1 — BASEMENT PLAN - ELEVATOR #1
SCALE: 1/2" = 1'-0"



6 — CATHODIC PROTECTION DETAIL
NO SCALE





7 — ELEVATOR - PIT LADDER DETAIL
SCALE: 3/4" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502/587-8371

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
900 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230A

APPROVED BY Vance Brown, ASSOCIATE VICE PRESIDENT FOR CONSTRUCTION SERVICES, UNIVERSITY OF KENTUCKY DATE 5/29/85

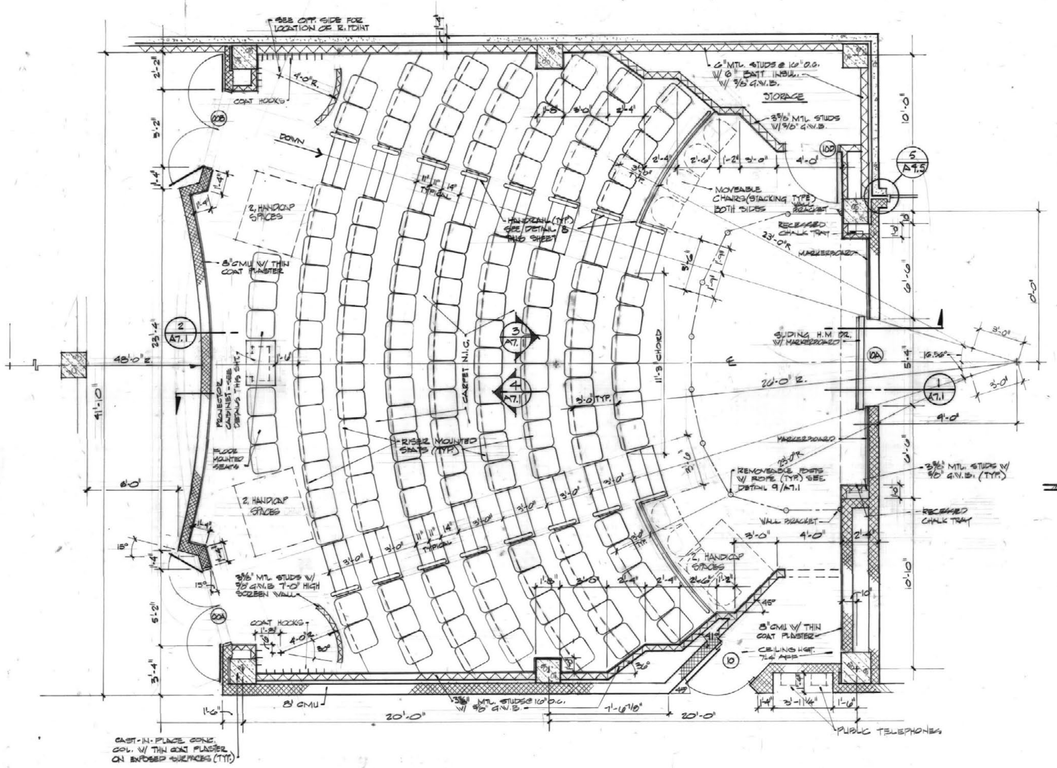
THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 842.01
ITEMS ON SHEET ELEVATOR PLANS, SECTIONS AND DETAILS
DRAWN BY TGM
CHECKED BY LHA
DATE 5-28-85
REVISIONS

Code No. Sht. Document # 107 A-2

SHEET NUMBER A6.3

842.01/CD/A6.3/5-28-85



ENLARGED LECTURE HALL PLAN
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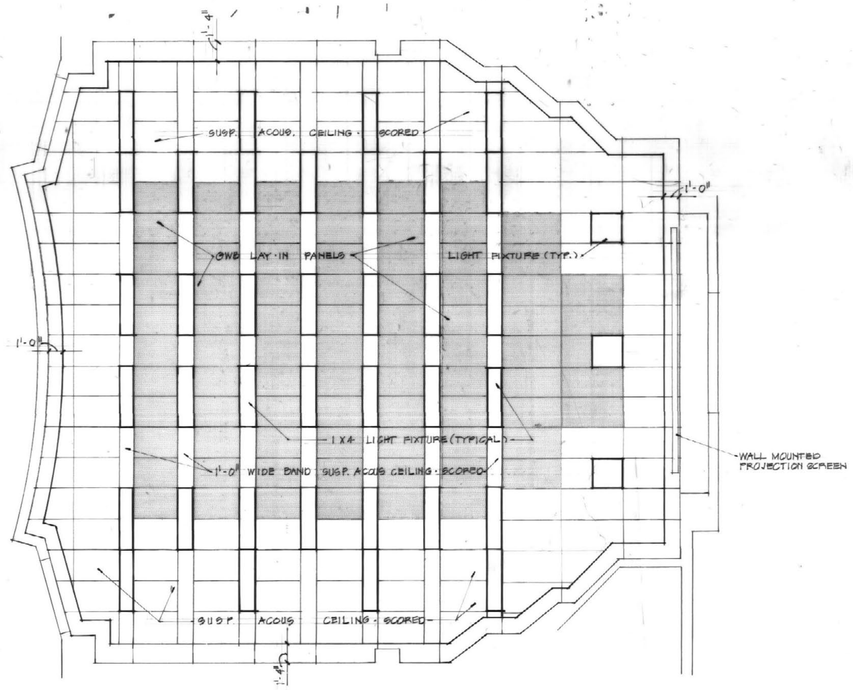

REFLECTED CEILING PLAN
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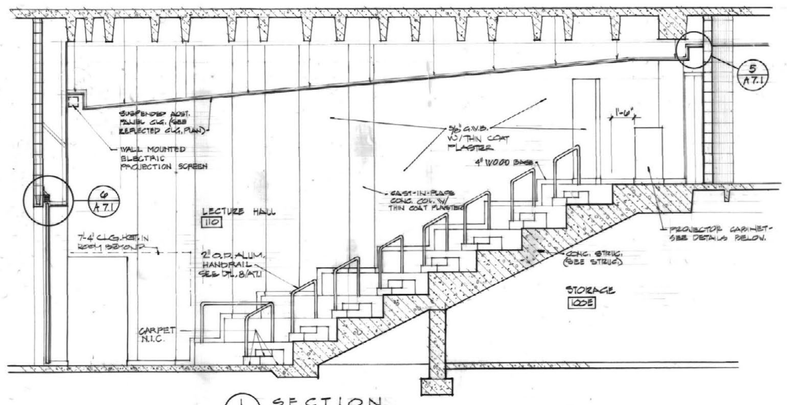

1/A7.1 SECTION
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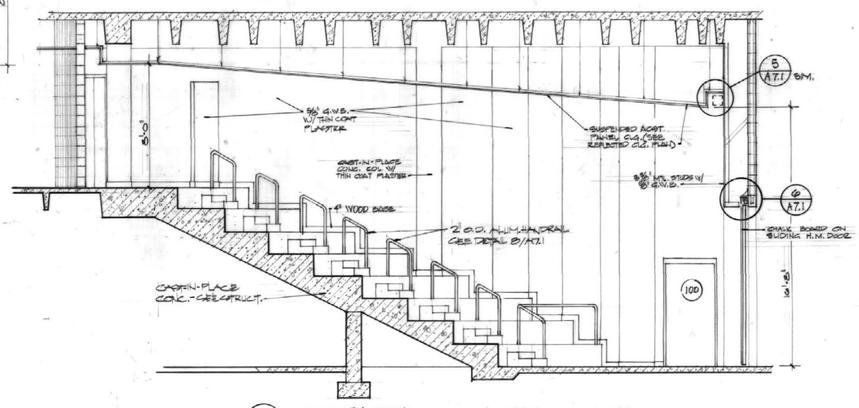

2/A7.1 SECTION
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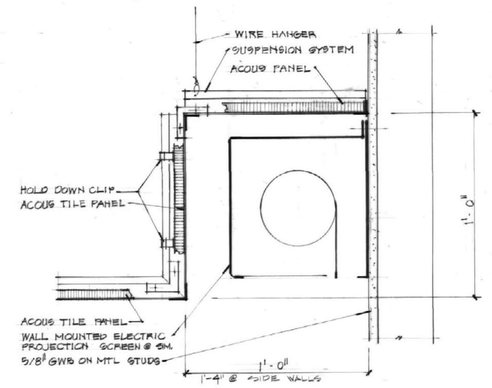

5/A7.1 DETAIL
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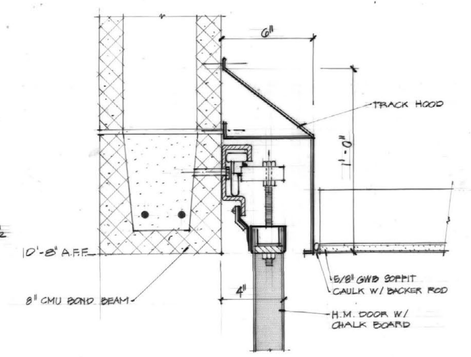
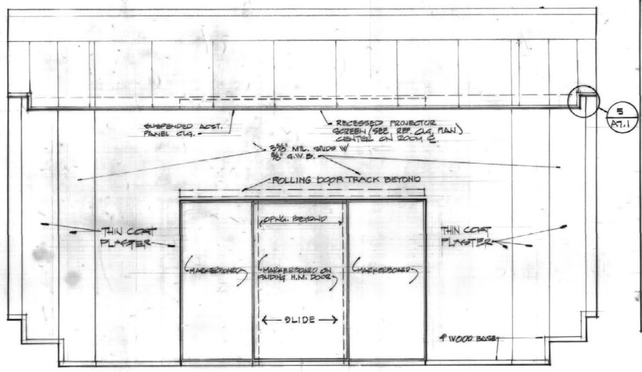
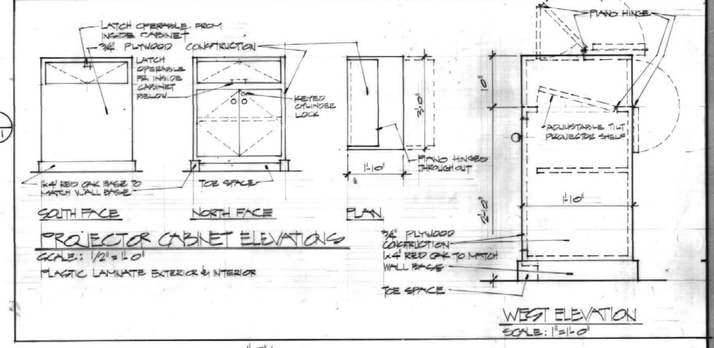
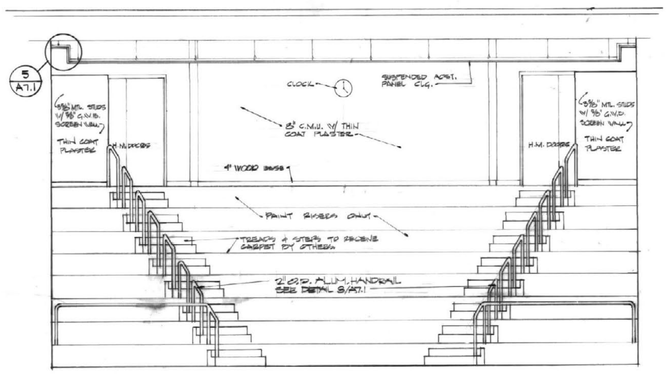


6/A7.1 DETAIL
SCALE 3" = 1'-0"

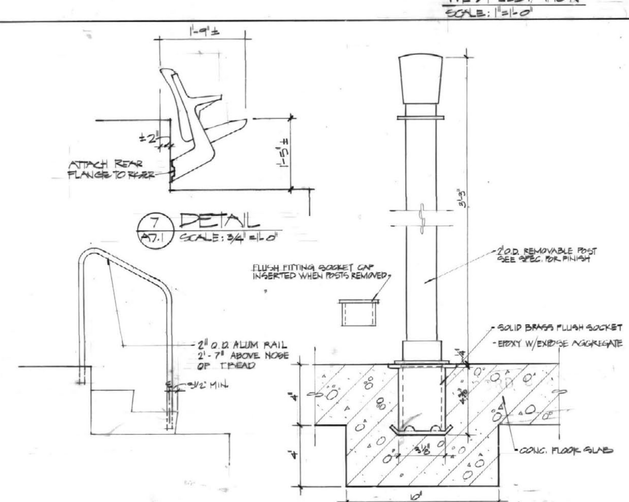


5/A7.1 ELEVATION
SCALE: 1/4" = 1'-0"





4/A7.1 ELEVATION
SCALE: 1/4" = 1'-0"



RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 8371

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2855 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
899 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL GIBSON ASSOCIATES REGISTERED No. 343 1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY: [signature]
DIRECTOR OF DESIGN AND CONSTRUCTION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
LECTURE HALL

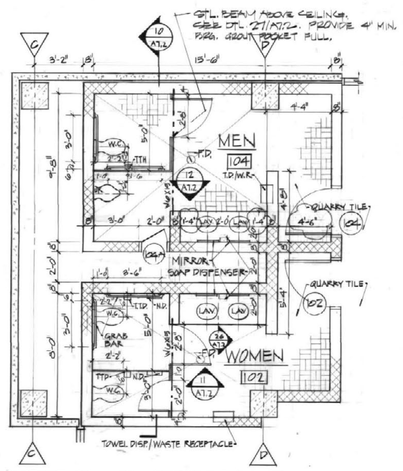
DRAWN BY F.J.T.
CHECKED BY L.H.A.
DATE 5-28-85

REVISIONS

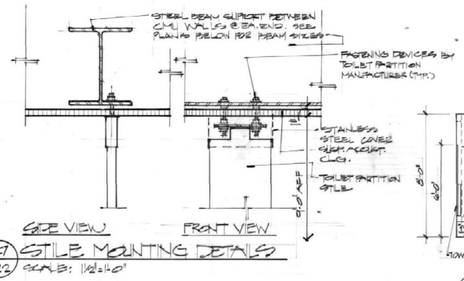
Cab # Slot Thermo 107 A-2 01558

SHEET NUMBER
A7.1

8412.01/CD/A7.1/5-28-85



1 A1.2 FIRST FLOOR RESTROOMS
SCALE: 1/4"=1'-0"



27 A7.2 STILE MOUNTING DETAILS
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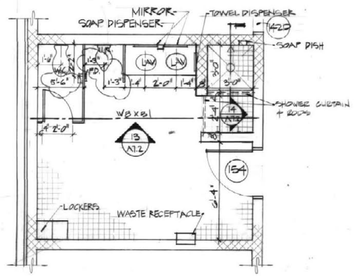
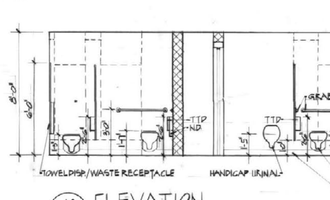


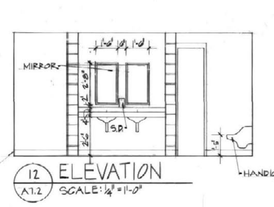
2 A1.7 SHOWER-ROOM #154
SCALE: 1/4"=1'-0"



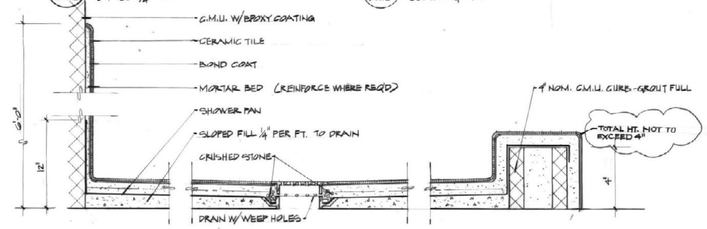
10 A7.2 ELEVATION
SCALE: 1/4"=1'-0"

13 A7.2 ELEVATION
SCALE: 1/4"=1'-0"

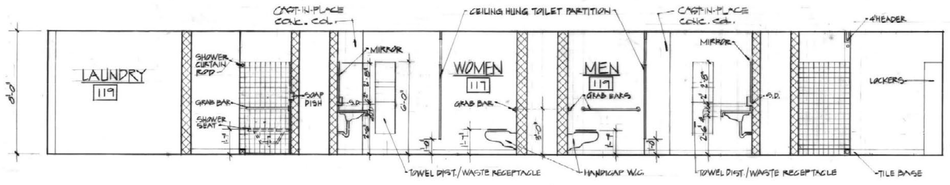
11 A7.2 ELEVATION
SCALE: 1/4"=1'-0"



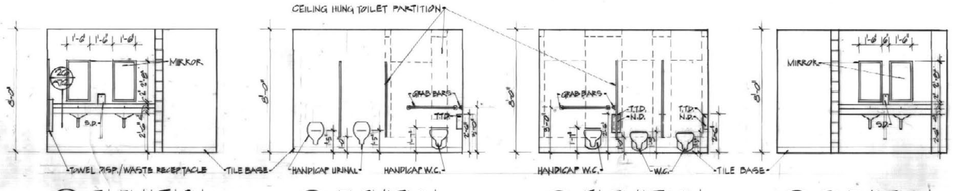
12 A7.2 ELEVATION
SCALE: 1/4"=1'-0"



14 A7.2 SHOWER DETAIL
SCALE: 3"=1'-0"



15 A1.2 ELEVATION
SCALE: 1/4"=1'-0"

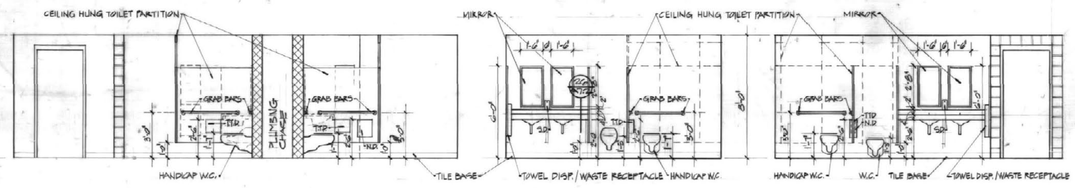


16 A7.2 ELEVATION
SCALE: 1/4"=1'-0"

17 A7.2 ELEVATION
SCALE: 1/4"=1'-0"

18 A7.2 ELEVATION
SCALE: 1/4"=1'-0"

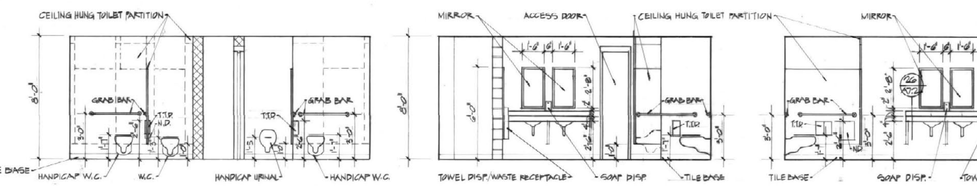
19 A7.2 ELEVATION
SCALE: 1/4"=1'-0"



20 A7.2 ELEVATION
SCALE: 1/4"=1'-0"

21 A7.2 ELEVATION
SCALE: 1/4"=1'-0"

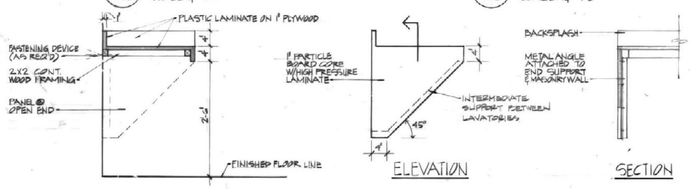
22 A7.2 ELEVATION
SCALE: 1/4"=1'-0"



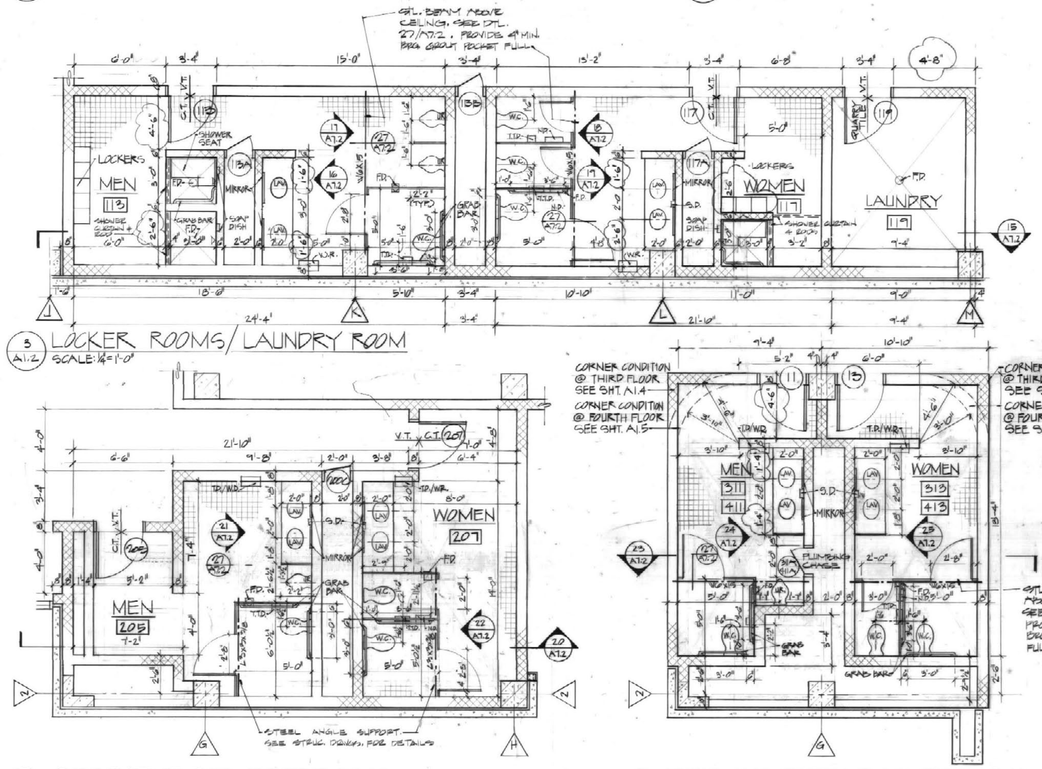
23 A7.2 ELEVATION
SCALE: 1/4"=1'-0"

24 A7.2 ELEVATION
SCALE: 1/4"=1'-0"

25 A7.2 ELEVATION
SCALE: 1/4"=1'-0"



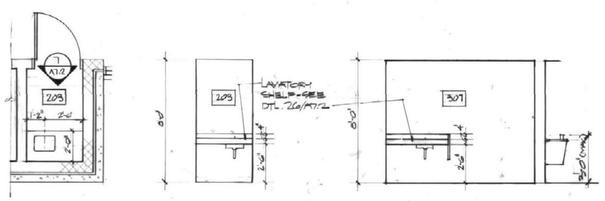
26 A7.2 LAVATORY SHELF DETAIL (TYP.)
SCALE: 3/4"=1'-0"



3 A1.2 LOCKER ROOMS/LAUNDRY ROOM
SCALE: 1/4"=1'-0"

4 A1.3 SECOND FLOOR RESTROOMS
SCALE: 1/4"=1'-0"

5 A1.4 THIRD AND FOURTH FLOOR RESTROOMS
SCALE: 1/4"=1'-0"



6 A1.3 PANTRY
SCALE: 1/4"=1'-0"

7 A7.2 ELEVATION
SCALE: 1/4"=1'-0"

D A7.2 ELEVATION
SCALE: 1/4"=1'-0"

9 A1.4 VENDING-ROOM #307
SCALE: 1/4"=1'-0"

RECORD DRAWINGS
DATE: Nov. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 · 502 587 9571

WHITE, WALKER & MCREYNOLDS CONSULTING ENGINEERS
2061 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL GIBSON ASSOCIATES REGISTERED No. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

230.1

APPROVED
DIRECTOR OF DESIGN AND CONSTRUCTION
UNIVERSITY OF KENTUCKY
DATE: 5/20/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEM ON SHEET
BLEACHED RESTROOM PLANS & DETAILS
DRAWN BY TGM
CHECKED BY LHA
DATE 5-28-85
REVISIONS
Cabinet # Shelf # Document #

SHEET NUMBER
A7.2

8412.01/CD/A72/5-28-85

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502·587·0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES
REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY
ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
DATE: 5/28/85

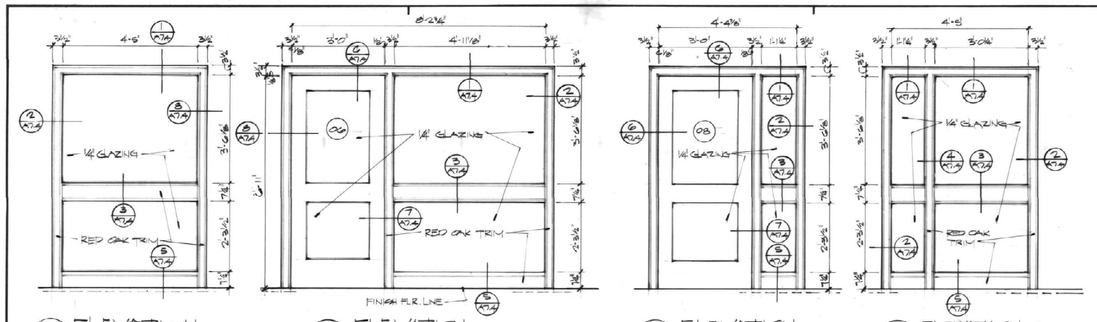
THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER: 8412.01
ITEMS ON SHEET: RECEPTION/ENTRY AREA PLANS, SECTIONS & DETAILS
DRAWN BY: TGM, MPH
CHECKED BY: LHA
DATE: 5-28-85
REVISIONS

Cab # 107 Slot A-2 Document # 013590

SHEET NUMBER
A7.3

8412.01/CD/A7.3/5-28-85

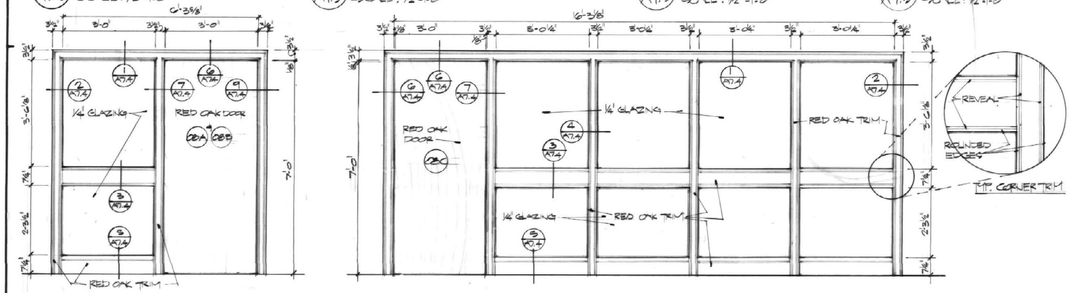


A ELEVATION
A7.3 SCALE: ½"=1'-0"

B ELEVATION
A7.3 SCALE: ½"=1'-0"

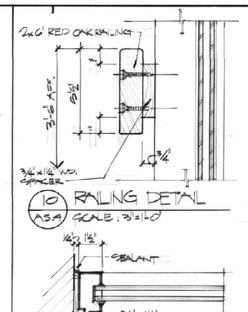
C ELEVATION
A7.3 SCALE: ½"=1'-0"

D ELEVATION
A7.3 SCALE: ½"=1'-0"



E ELEVATION
A7.3 SCALE: ½"=1'-0"

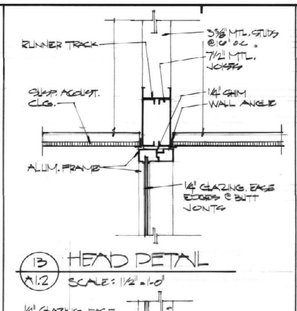
F ELEVATION
A7.3 SCALE: ½"=1'-0"



10 RAILING DETAIL
A3A SCALE: 3"=1'-0"

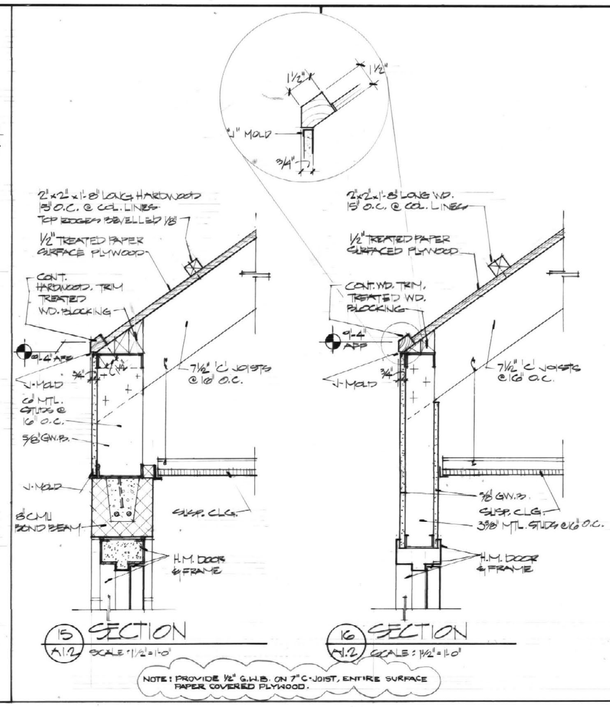
11 RAILING DETAIL
A7.4 SCALE: 3"=1'-0"

12 RAILING DETAIL
A7.4 SCALE: 3"=1'-0"



13 HEAD DETAIL
A1.2 SCALE: 1½"=1'-0"

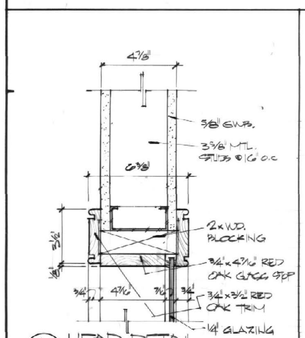
14 SILL DETAIL
A1.2 SCALE: 1½"=1'-0"



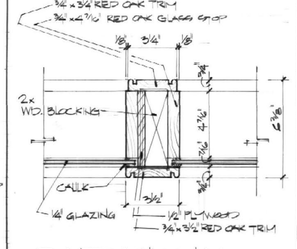
15 SECTION
A1.2 SCALE: 1½"=1'-0"

16 SECTION
A1.2 SCALE: 1½"=1'-0"

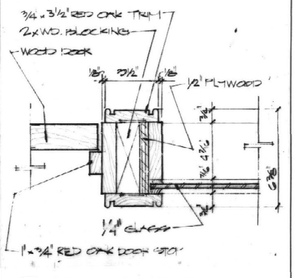
NOTE: PROVIDE ½" G.W.B. ON 7" C. JOIST, ENTIRE SURFACE PAPER COVERED PLYWOOD.



1 HEAD DETAIL
A7.4 SCALE: 3"=1'-0"



4 VERT. MULLION
A7.4 SCALE: 3"=1'-0"



7 DOOR JAMB
A7.4 SCALE: 3"=1'-0"

2 JAMB DETAIL
A7.4 SCALE: 3"=1'-0"

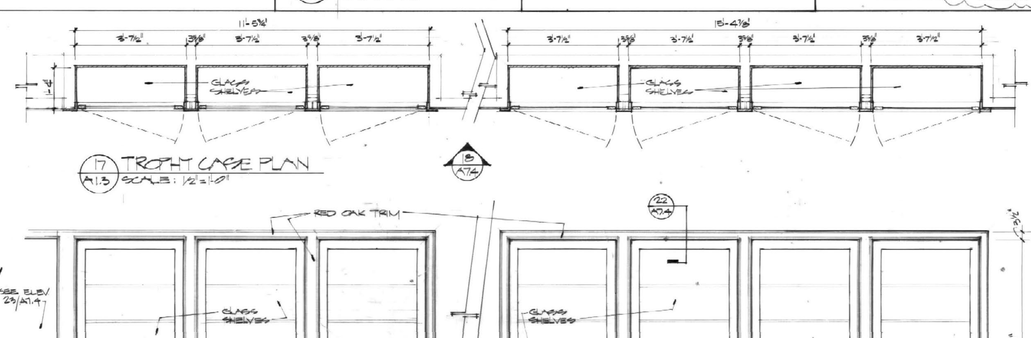
5 SILL DETAIL
A7.4 SCALE: 3"=1'-0"

8 CORNER DETAIL
A7.4 SCALE: 3"=1'-0"

3 HORIZ. MULLION
A7.4 SCALE: 3"=1'-0"

6 HEAD & JAMB DTL.
A7.4 SCALE: 3"=1'-0"

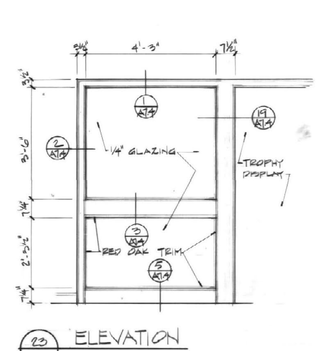
9 CORNER DETAIL
A7.4 SCALE: 3"=1'-0"



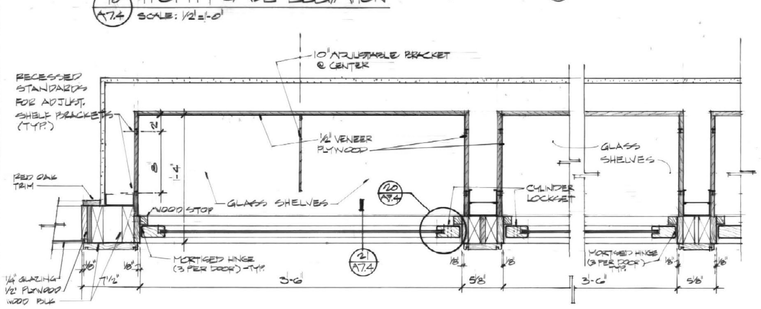
17 TROPHY CASE PLAN
A1.3 SCALE: ½"=1'-0"

B A7.4

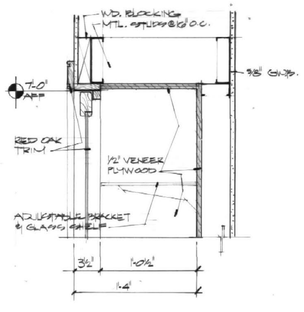
18 TROPHY CASE ELEVATION
A7.4 SCALE: ½"=1'-0"



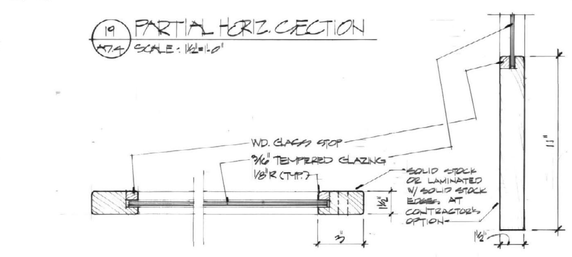
23 ELEVATION
A1.3 SCALE: ½"=1'-0"



19 PARTIAL HORIZ. SECTION
A7.4 SCALE: 1½"=1'-0"

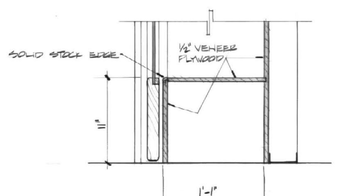


22 SECTION (@ TOP OF CASE)
A7.4 SCALE: 1½"=1'-0"



20 DOOR SECTION (DOOR HEAD SIMILAR)
A7.4 SCALE: 3"=1'-0"

21 DOOR SILL
A7.4 SCALE: 3"=1'-0"



24 SECTION (@ BOTTOM OF CASE)
A7.4 SCALE: 1½" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202
502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
3005 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343 1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY
DIRECTOR OF DESIGN AND CONSTRUCTION UNIVERSITY OF KENTUCKY
DATE: 5/22/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
INTERIOR WINDOW ELEVATIONS & DETAILS, TROPHY CASE ELEVATIONS, PLANS & DETAILS

DRAWN BY
JTM

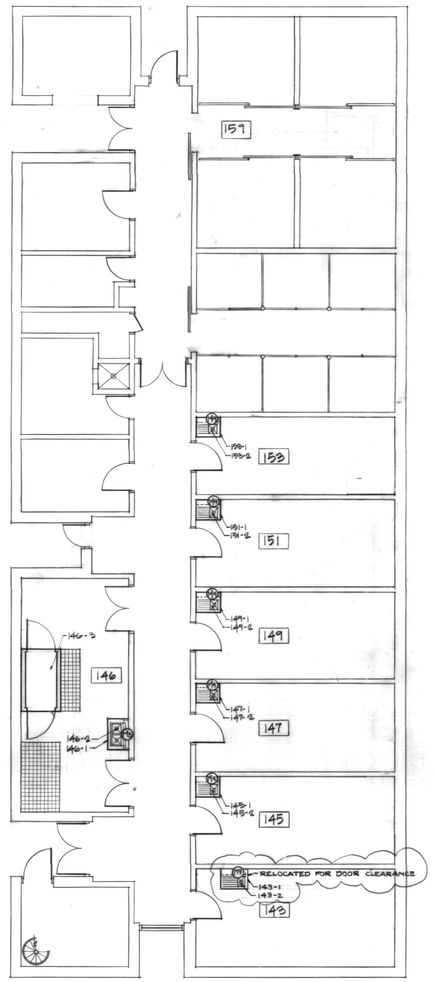
CHECKED BY
LHA

DATE
5-22-85

REVISIONS

SHEET NUMBER
A7.4

8412.01/CD/A7.4/5-22-85



CASEWORK AND EQUIPMENT PLAN - BUILDING "B"
SCALE: 1/4" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BUILDING B - LABORATORY PLANS

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES ARCHITECTS
REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY

UNIVERSITY PROJECT NUMBER
230.2

APPROVED BY: [signature]
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
DATE 10/8/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
CASEWORK & EQUIPMENT PLAN - BUILDING "B"

DRAWN BY
MPH

CHECKED BY
LHA

DATE
9-30-85

REVISIONS

Cab # 107 Slot A-2 Document # 013595

SHEET NUMBER
EQ1.4

8412.01/CD/EQ1.4/[illegible]

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS
8412.01
BASEMENT & FOUNDATION PLAN & DETAILS
S1.1
EXTERIOR ENTRANCE DRILLED PIER PLAN
SCALE 1/8" = 1'-0"
SECTION
BASEMENT & FOUNDATION PLAN
SCALE 1/8" = 1'-0"
270'-0"
5" CONC. SLAB OVER 6" CRUSHED STONE ON GRADE - REINFORCE WITH 6×6 - W2 × W2 WELDED WIRE FABRIC.
TOP OF ALL COLUMN & WALL FOOTINGS AT BASEMENT AREA = EL. 075.33' UNLESS OTHERWISE NOTED.
FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.
DATE 10/87 BY
KEY PLAN
8412.01/CL/S1.1/5-28-85

EXTERIOR ENTRANCE FOUNDATION PLAN

SCALE 1/8" = 1'-0"

SECTION A/S1.2 D/S1.2 3/4" = 1'-0"

SECTION C/S1.2 D/S1.2 3/4" = 1'-0"

PLAN E/S1.2 F/S1.2 3/4" = 1'-0"
(PLAN F/S1.2 OPPOSITE HAND)

SECTION G/S1.2 3/4" = 1'-0"

FIRST FLOOR FRAMING PLAN

SCALE 1/8" = 1'-0"

- BOT. OF 14 x 36 & 16 x 36 G.B. = EL. 986'-0"
- BOT. OF 14 x 24, 14 x 30, 16 x 24 & 16 x 30 G.B. = EL. 988'-6"
- [1] - 5" CONC. SLAB OVER 4" C.S. ON GRADE W/ 6x6-W2xW2 W.W.F.
- [2] - 8" CONC. SLAB OVER 4" C.S. ON GRADE W/ 2 LAYERS OF #5 @ 12" EA. WAY
- [3] - 5" CONC. SLAB OVER 2" RIGID INSL. & 4" C.S. ON GRADE W/ 6x6 - W2xW2 W.W.F.
- [4] - 12" CONC. SLAB OVER 4" C.S. ON GRADE W/ 2 LAYERS OF #4 @ 12" (EA. WAY)
- [5] - LOCATION AND DIMENSIONS OF ALL DROPPED SLAB AREAS TO BE COORDINATED WITH ARCHITECTURAL DWGS.
- ALTERNATE 30" & 20" FORM PANS FOR CONC. JOISTS SPACING UNLESS OTHERWISE NOTED ON PLAN

SECTION H/S1.2

SECTION J/S1.2 1 1/2" = 1'-0"

FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

DATE 10/87 BY Thomas L. McReynolds

KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY — OTIS C. WILLIAMS — 4145 — REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY — THOMAS L. McREYNOLDS — 3408 — REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION, UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

ITEMS ON SHEET
- FIRST FLOOR FRAMING PLAN
- DETAILS

DRAWN BY G.W.W. - F.W.JR.

CHECKED BY T. Mc

DATE 5-28-85

SHEET NUMBER S1.2

8412.01/CD/S1.2/5-28-85

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Date 10/87 By Thomas L. McReynolds

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 McDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY • OTIS C. WILLIAMS 4145 • REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY • THOMAS L. McREYNOLDS 3408 • REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

ITEMS ON SHEET
- SECOND FLOOR FRAMING PLAN
- DETAILS

DRAWN BY G.W.W. - F.W.
CHECKED BY T. Mc
DATE 5-28-85
REVISIONS

Cab # 107 Slot A-1 Document # 013598

SHEET NUMBER **S1.3**

8412.01/CD/S1.3/5-28-85

MECHANICAL FLOOR FRAMING PLAN
1/8" = 1'-0"
TOP OF CONC. BEAMS = EL. 1023'-8"

(A / S1.4) SECTION

(B / S1.4) SECTION

(C / S1.4) SECTION

MECHANICAL FLOOR FRAMING PLAN
1/8" = 1'-0"
TOP OF CONC. BEAMS EL. = 1023'-8"

THIRD FLOOR FRAMING PLAN

SCALE 1/8" = 1'-0"

- TOP CONCRETE SLAB EL. 1014'-4" UNLESS OTHERWISE NOTED
- PROVIDE #3 BARS @ 12" o/c TOP AT EDGE OF ALL 5" SLABS (U.O.N.) EXTEND 3'-0" FROM FACE OF BEAM. (8" BEND @ EXTERIOR ENDS)
- (1) - INDICATES ⊄ 6"x3"x1/4" WIND STRUT.
- PROVIDE 1/8" CAMBER FOR EACH 10'-0" OF BEAM & JOIST SPAN
- ALTERNATE 30" & 20" FORM PANS FOR CONCRETE JOISTS SPACING UNLESS OTHERWISE NOTED ON PLAN
- ⊗ - INDICATES MECHANICAL OPENING. FOR SIZE SEE MECH. DRAWINGS.

(D / S1.4) PLAN
1" = 1'-0"

(E / S1.4) SECTION
1" = 1'-0"

(F / S1.4) PLAN

FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

DATE 10/87 BY Thomas L. McReynolds

KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY · OTIS C. WILLIAMS 4145 · REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY · THOMAS L. McREYNOLDS 3408 · REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

ITEMS ON SHEET
- THIRD FLOOR FRAMING PLAN
- DETAILS

DRAWN BY G.W.W. - F.W.
CHECKED BY T. Mc
DATE 5-28-85
REVISIONS

Cab # 107 Slot A-1 Document # 013599

SHEET NUMBER **S1.4**

8412.01/CD/S1.4/5-28-85

MECHANICAL FLOOR FRAMING PLAN
1/8" = 1'-0"
TOP OF CONC. BMS. = EL. 1041'-2"

SECTION A/S1.5 1 1/2" = 1'-0"
- CONN. TYP. FOR CONN. OF UTILITY GRID CHANNELS TO COLUMNS
- SEE ARCH. DRWGS. A2.2, A2.4 & A2.6 FOR CONN. LOCATIONS

SECTION B/S1.5 3/4" = 1'-0"
- HANGER DETAIL TYP. FOR ALL UTILITY GRID SUPPORTED FROM UNDER SIDE OF FLOOR SLAB
- SEE ARCH. DRWGS. A2.2, A2.4 & A2.6 FOR LOCATION OF HANGERS
- INSERT IN CONCRETE HEADER TO HAVE SAFE WORKING LOAD OF 5000 POUNDS.

SECTION C/S1.5 3/4" = 1'-0"

MECANICAL FLOOR FRAMING PLAN
1/8" = 1'-0"
TOP OF CONC. BMS. = EL. 1041'-2"

FOURTH FLOOR FRAMING PLAN

SCALE 1/8" = 1'-0"

- TOP CONCRETE SLAB = EL. 1031'-10" UNLESS OTHERWISE NOTED.
- PROVIDE #3 BARS @ 12" o/c TOP AT EDGE OF ALL 5" SLABS (U.O.N.) EXTEND 3'-0" FROM FACE OF BEAM (6" BEND AT EXT. ENDS).
- (1) - INDICATES ℄ T.S. 6"×3"×1/4" WIND STRUT.
- PROVIDE 1/8" CAMBER FOR EACH 10'-0" OF BEAM & JOIST SPAN
- (-4) - INDICATES TOP OF SLAB 4" BELOW EL. 1031'-10"
- ALTERNATE 30" & 20" FORM PANS FOR CONCRETE JOIST SPACING UNLESS OTHERWISE NOTED ON PLAN
- ⊗ - INDICATES MECHANICAL OPENING. FOR SIZE SEE MECH. DRWGS.

SECTION D/S1.5 1" = 1'-0"

SECTION E/S1.5 1" = 1'-0"

FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

DATE 10/87 BY Thomas L. McReynolds

KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS — STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC. — MECHANICAL AND ELECTRICAL ENGINEERS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

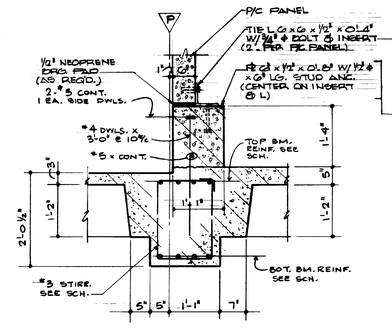
PROJECT NUMBER 8412.01

ITEMS ON SHEET
- FOURTH FLOOR FRAMING PLAN
- DETAILS

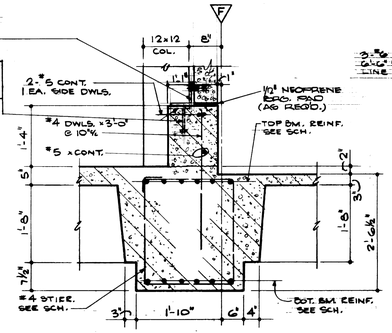
DRAWN BY GWW. - F.W.
CHECKED BY T. McR.
DATE 5-28-85

SHEET NUMBER S1.5

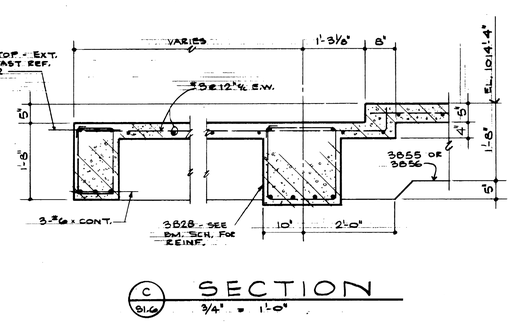
8412.01/CD/S1.5/5-28-85



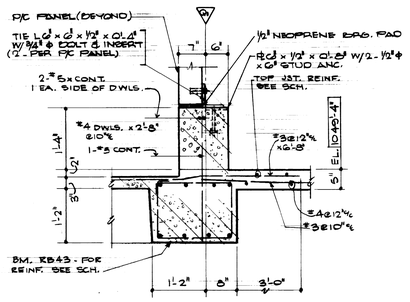
A 51.6 SECTION
3/4" = 1'-0"



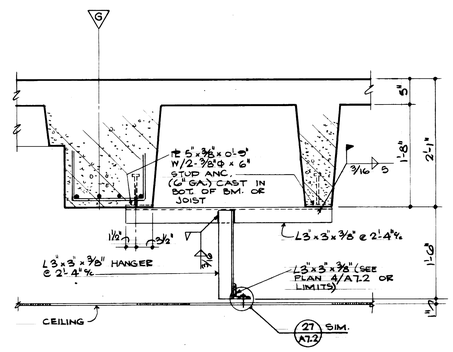
B 51.6 SECTION
3/4" = 1'-0"



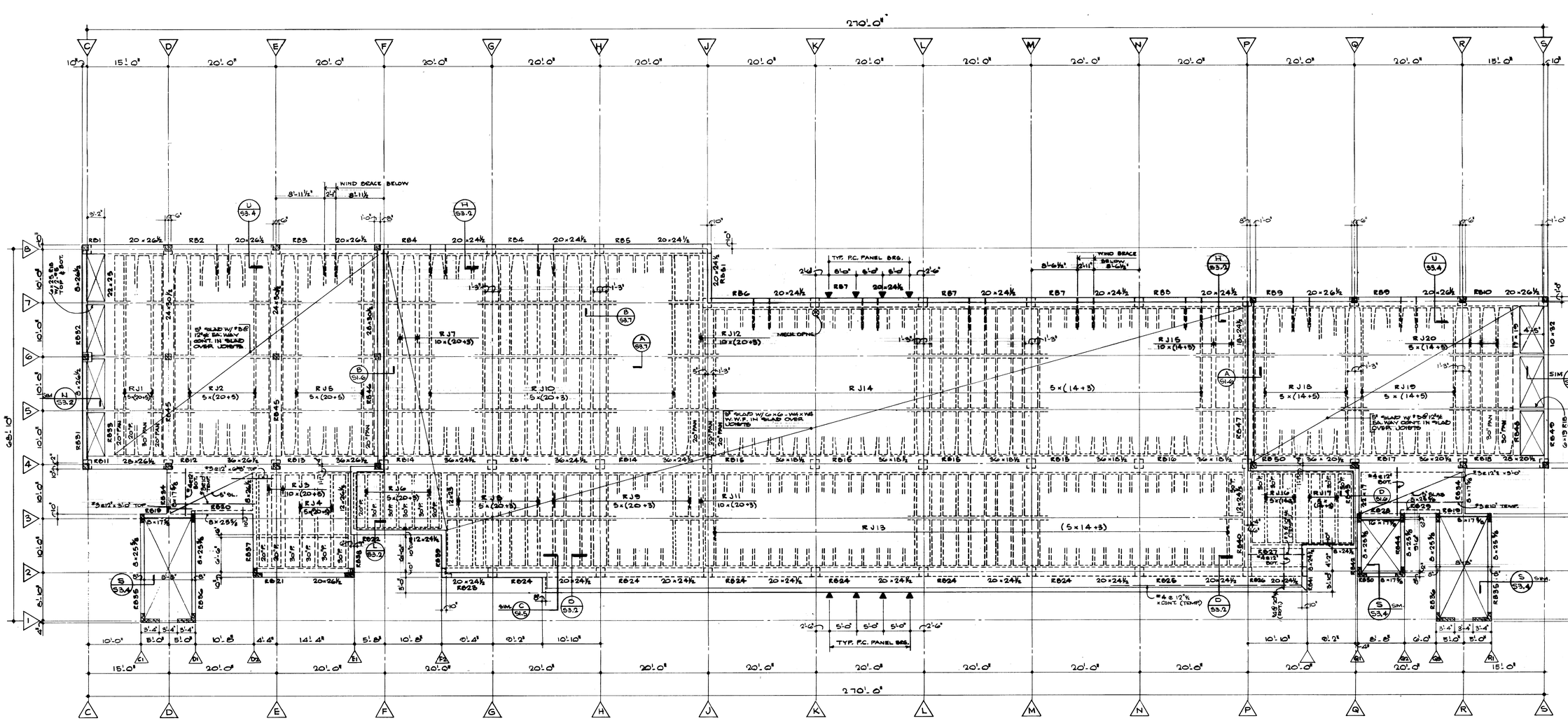
C 51.6 SECTION
3/4" = 1'-0"



D 51.6 SECTION
3/4" = 1'-0"



E 51.6 SECTION



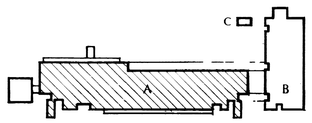
ROOF & PENTHOUSE FLOOR FRAMING PLAN

SCALE 1/8" = 1'-0"

- TOP OF PENTHOUSE FLOOR SLAB = EL. 104'0"-4"
- TOP OF ROOF SLAB = EL. 104'0"-0"
- PROVIDE # 8 @ 12"c (TOP) OVER ALL BMS. AT 8" SLABS (U.O.N.) EXTEND 5'-0" FROM FACE OF BM. EA. SIDE & BEND 8" VERT. @ EXTERIOR EDGE
- PROVIDE ½" CAMBER FOR EACH 10'-0" OF BEAM & JOIST SPAN
- ALTERNATE 30" & 20" FORM PANS FOR CONCRETE JOIST SPACING UNLESS OTHERWISE NOTED ON PLAN

FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

DATE 10/87 BY Thomas L McReynolds



KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2001 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY REGISTERED PROFESSIONAL ENGINEER — OTIS C. WILLIAMS 4145

STATE OF KENTUCKY REGISTERED PROFESSIONAL ENGINEER — THOMAS L. McREYNOLDS 2402

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION, UNIVERSITY OF KENTUCKY
DATE: 5/22/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

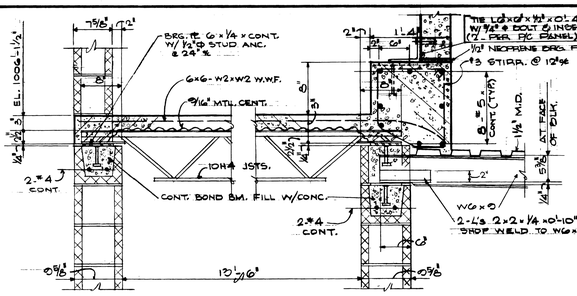
ITEMS ON SHEET
- ROOF & PENT-HOUSE FLOOR FRAMING PLAN
- DETAILS

DRAWN BY G.W.W. - F.W.J
CHECKED BY T. McR
DATE 5-28-85
REVISIONS

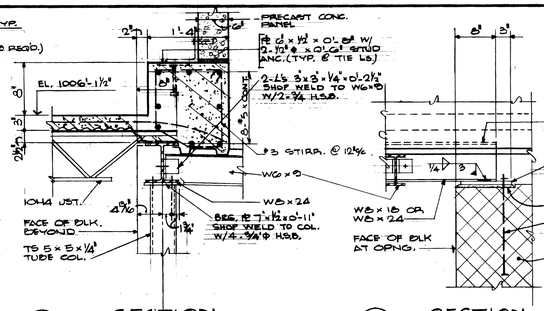
Cab # Slot Document # 107 A-1

SHEET NUMBER S1.6

8412.01/CD/S1.6/5-28-85

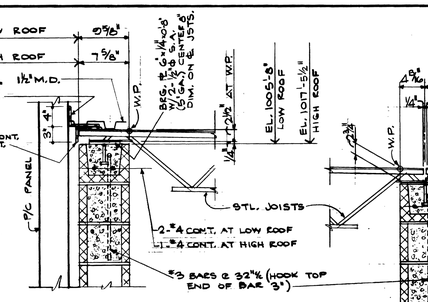


A 51.7 SECTION 1" = 1'-0"

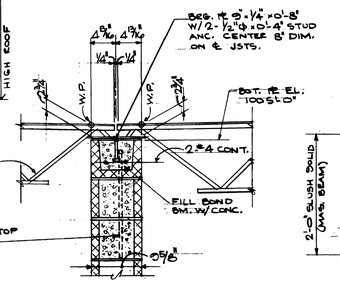


B 51.7 SECTION 1" = 1'-0"

C 51.7 SECTION 1" = 1'-0"



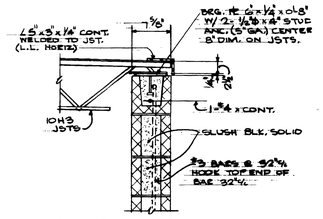
D 51.7 SECTION 1" = 1'-0"



E 51.7 SECTION 1" = 1'-0"

F 51.7 SECTION 1" = 1'-0"

- EXTEND BEAM 1'-4" PAST EDGE OF OPNG.
- TYP. LINTEL BM. FOR OPNGS. IN BEARING WALLS



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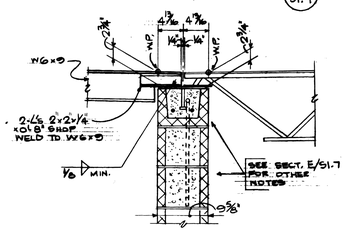

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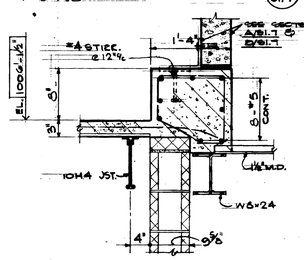

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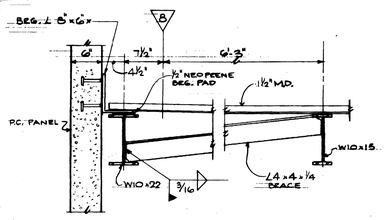

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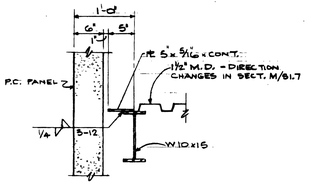

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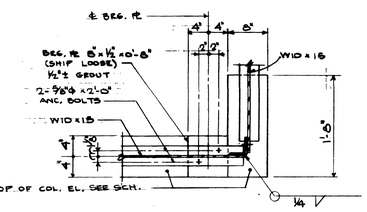

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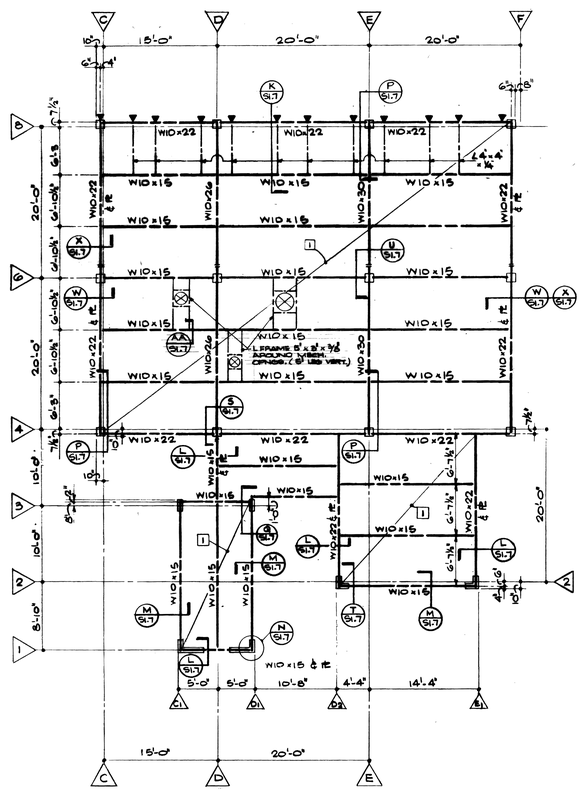
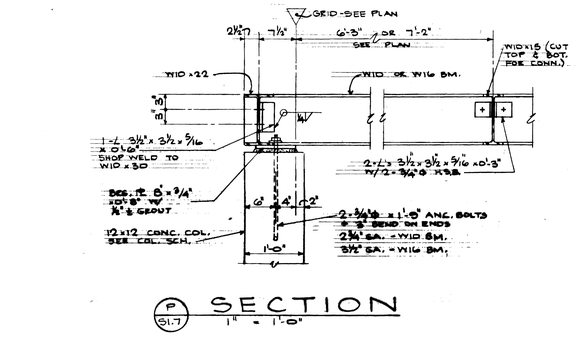


NORTH PENTHOUSE ROOF

⅛" = 1'-0"

- [1] - INDICATES 1½" GALVANIZED M.D. INTERMEDIATE RIB (20 GA. MIN.)
- TOP OF STL. BMS. ELEV. = 1060'-4" U.O.N.



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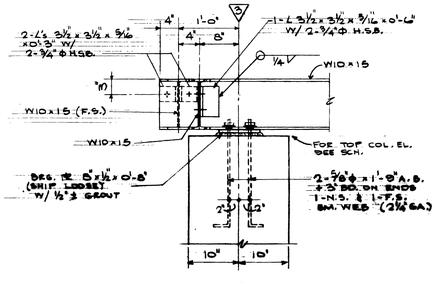
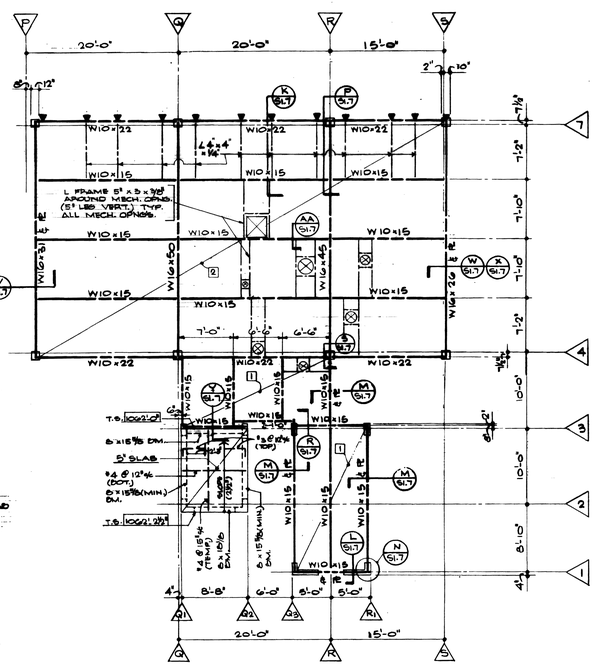


Q 51.7 R 51.7 SECTION 1" = 1'-0"

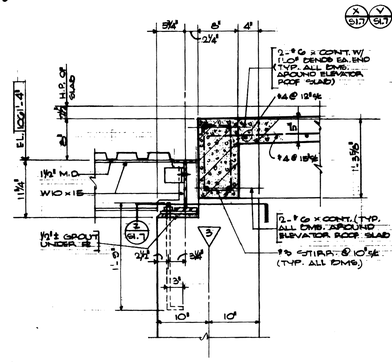
R/51.7 OPP. HAND



SOUTH PENTHOUSE ROOF

⅛" = 1'-0"

- [2] - INDICATES 1½" GALVANIZED M.D. INTERMEDIATE RIB (20 GA. MIN.)
- TOP OF STL. BMS. EL. = 1061'-4" U.O.N.



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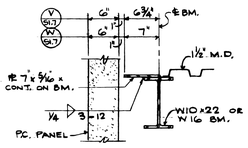
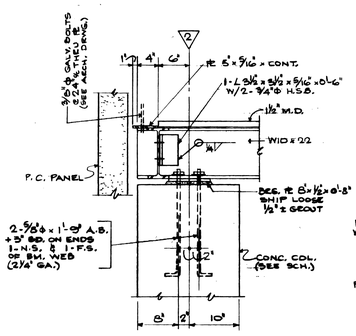


V 51.7 W 51.7 SECTION 1" = 1'-0"



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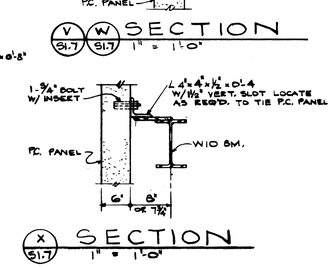

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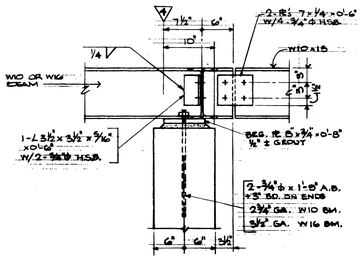

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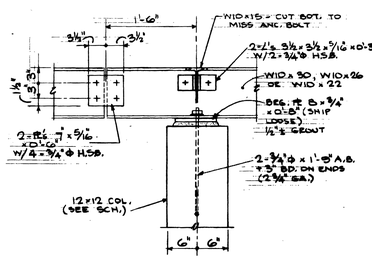
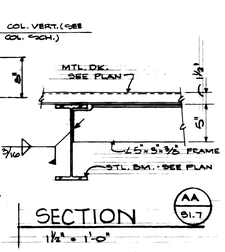
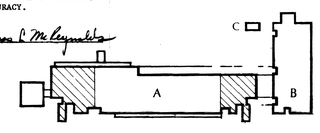


U 51.7 SECTION 1" = 1'-0"

AA 51.7 SECTION 1½" = 1'-0"



2 51.7 PLAN 1" = 1'-0"



KEY PLAN

FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

DATE 10/87 BY Thomas L. McReynolds

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 MEDOWEST BUILDING
585 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 9571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY REGISTERED ENGINEER OTIS C. WILLIAMS 4145 PROFESSIONAL

STATE OF KENTUCKY REGISTERED ENGINEER THOMAS MARTINSON 21408 PROFESSIONAL

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION UNIVERSITY OF KENTUCKY DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

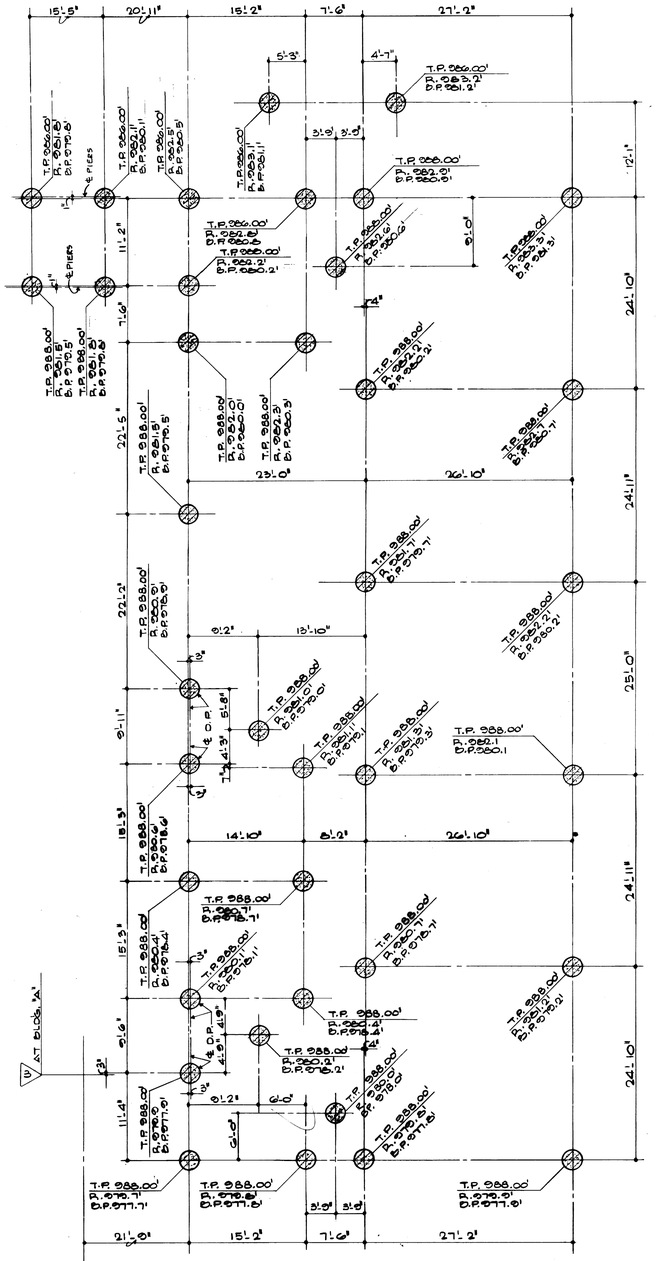
ITEMS ON SHEET
- PENTHOUSE ROOF FRAMING PLANS
- DETAILS

DRAWN BY G.W.W. - F.W.
CHECKED BY T.Mc
DATE 5-28-85
REVISIONS

Cab.# Slot Document # 107 A-1 9/15/02

SHEET NUMBER S1.7

8412.01/CD/S1.7/5-28-85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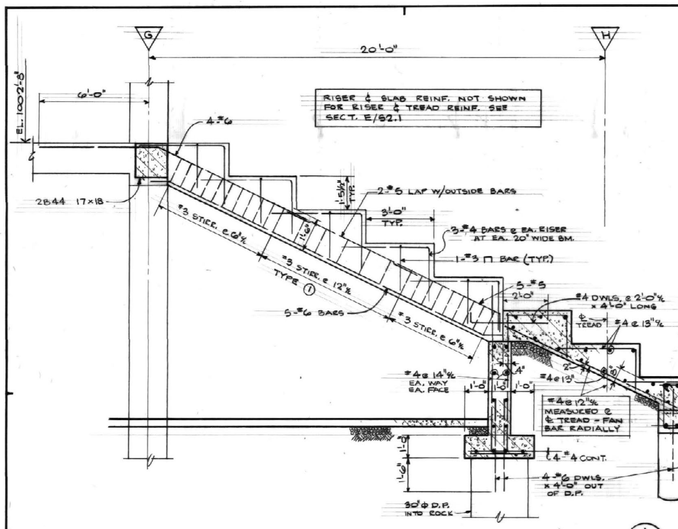

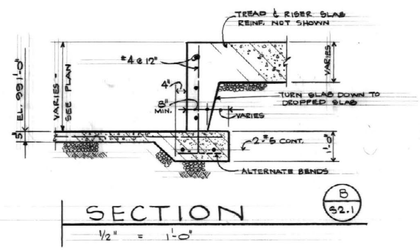

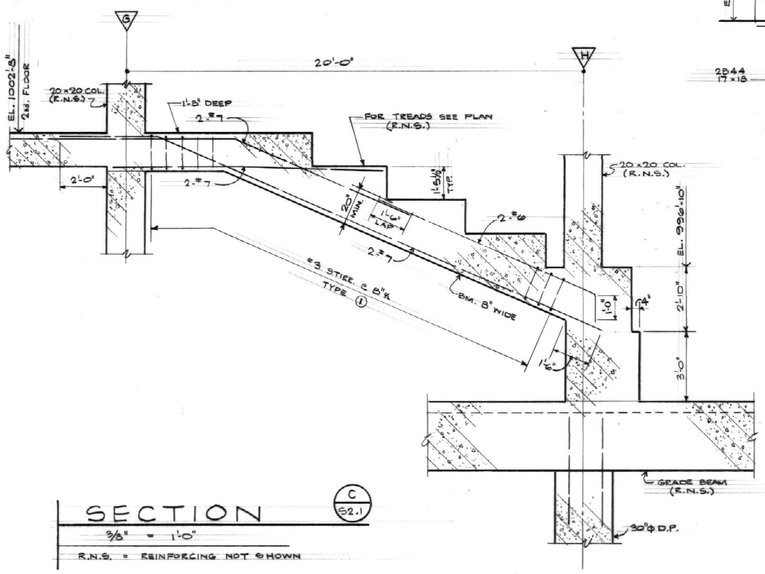

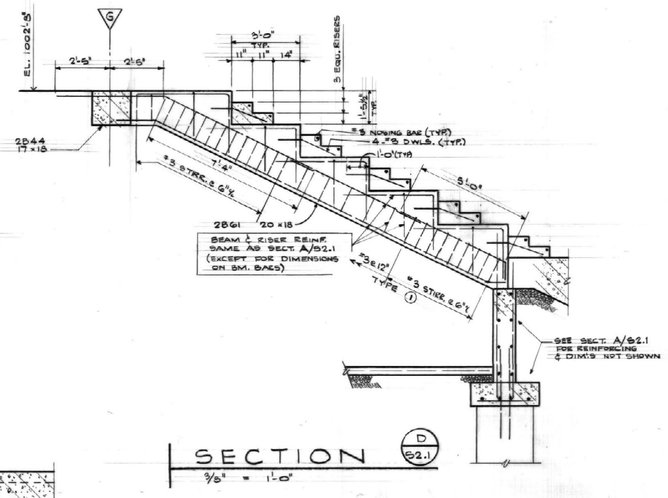

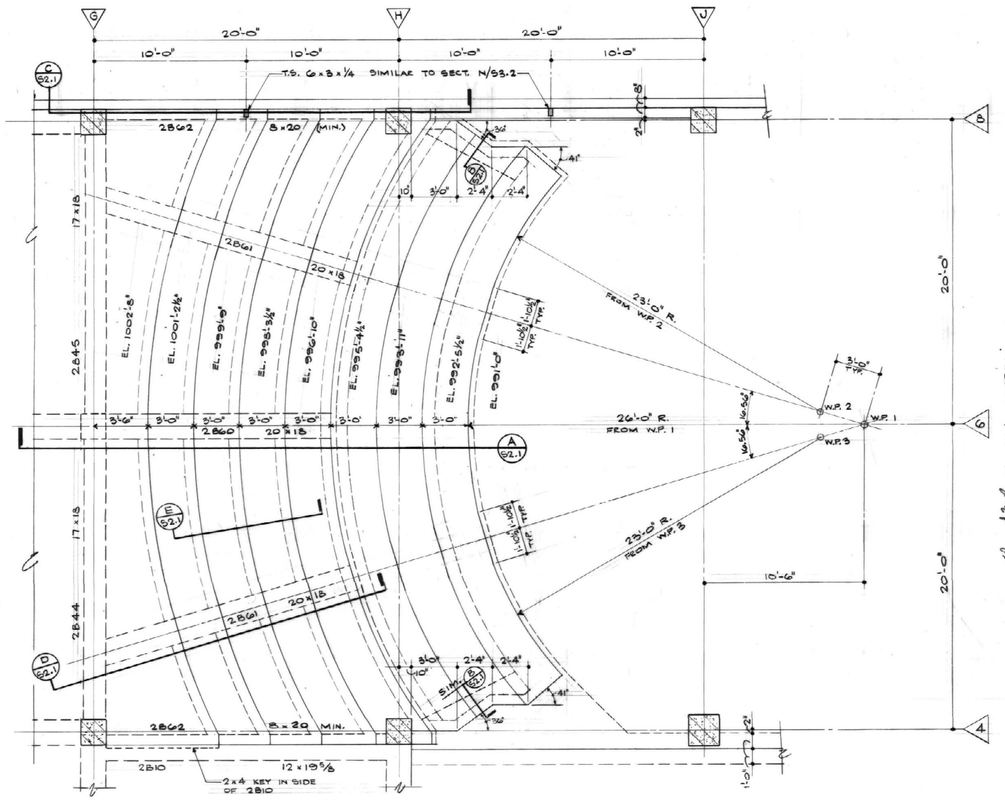

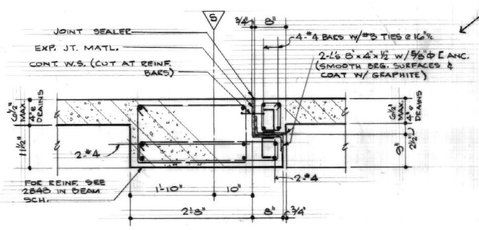

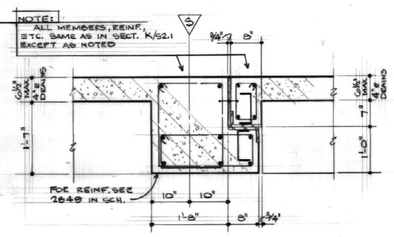

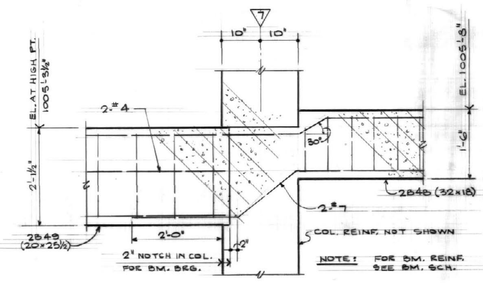

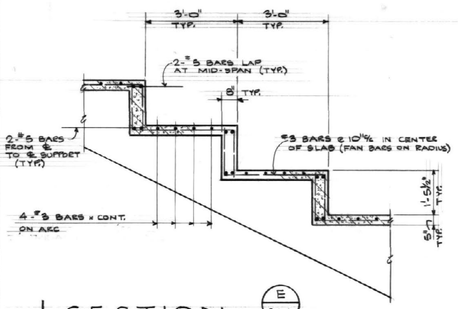

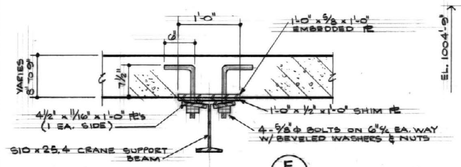

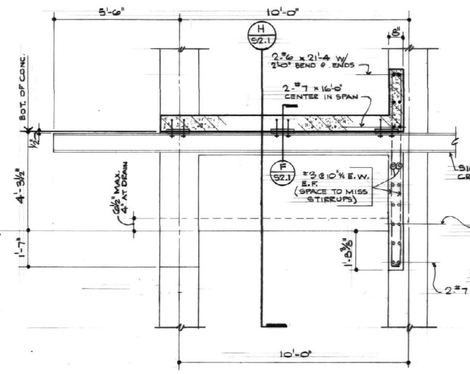

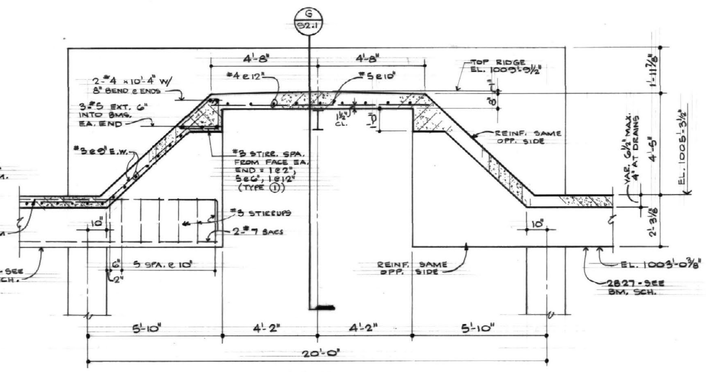

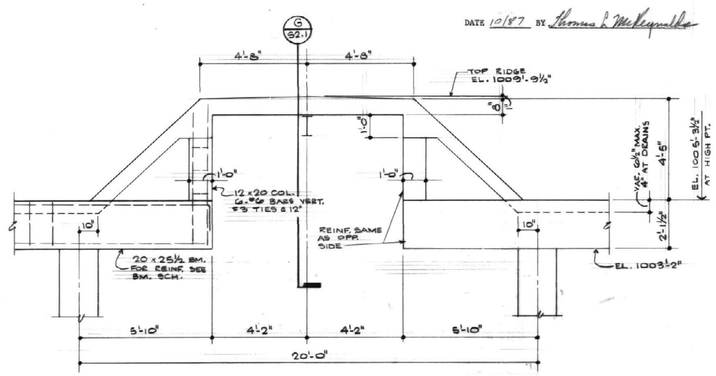

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DATE 10/87 BY Thomas L. McReynolds

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505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 6571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
1001 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40502
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
300 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY REGISTERED ENGINEER OTIS C. WILLIAMS 4145 PROFESSIONAL
COMMONWEALTH OF KENTUCKY REGISTERED ENGINEER THOMAS L. McREYNOLDS 3408 PROFESSIONAL

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: [signature] DIRECTOR OF DESIGN AND CONSTRUCTION, UNIVERSITY OF KENTUCKY DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
• LECTURE ROOM FRAMING PLAN
• DETAILS
DRAWN BY F.W
CHECKED BY O.C.
DATE 5-28-85
REVISIONS

SHEET NUMBER S2.1

8412.01/CD/S2.1/5-28-85

COLUMN SCHEDULE

Story	Column number →	K-2 L-2 M-2 N-2 P-2 J-2 ①	K-4 L-4 M-4 N-4 J-4 ①⑥	K-7 L-7 M-7 N-7 ①	Q-4 P-4 ①②	Q-7 R-7 P-7 ①②	R-4 ①②	S-4 S-7 ①②	P1-2 ①	Q1-2 Q2-2
Main roof to penthouse fl. & penthouse to penthouse roof	TOP OF COL. EL.	1049'-2"	1049'-2"	1049'-2"	1059'-10½"	1059'-10½"	1059'-10½"	1059'-10½"	1049'-2"	1062'-2½"
	COL. SIZE				12×12	12×12	12×12	12×12		SEE SECT.
	VERT. REINF.				4-#7	4-#7	4-#7	4-#7		8-#6
	TIES				#3@12"%	#3@12"	#3@12"	#3@12"		#3@8"
	COL. SECTION				A	A	A	A		E
	P.H. FL. & ROOF EL.	1049'-2"	1049'-2"	1049'-2"	1049'-4"	1049'-4"	1049'-4"	1049'-4"	1049'-2"	1049'-4"
Fourth fl. to main roof & penthouse floor	COL. SIZE	20×20	20×20	20×20	20×20	20×20	20×20	20×20	8×20	SEE SECT.
	VERT. REINF.	4-#9	4-#9	4-#9	4-#9	4-#9	4-#9	4-#9	6-#6	8-#6
	TIES	#3@12"%	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@8"	#3@8"
	COL. SECTION	A	A	A	A	A	A	A	D	E
	FOURTH FL. EL.	1031'-10"								
Third fl. to fourth floor	COL. SIZE	20×20	20×20	20×20	20×20	20×20	20×20	20×20	20×20	SEE SECT.
	VERT. REINF.	4-#9	4-#9	4-#9	4-#9	4-#9	4-#9	4-#9	6-#6	8-#6
	TIES	#3@12"%	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@8"
	COL. SECTION	A	A	A	A	A	A	A	D	E
	THIRD FL. EL.	1014'-4"								
Second fl. to third floor	COL. SIZE	20×20	24×24	20×20	24×24	20×20	24×22	20×20	8-#20	SEE SECT.
	VERT. REINF.	4-#9	8-#9	4-#10	8-#9	4-#10	8-#10	4-#10	6-#7	8-#6
	TIES	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@8"	#3@8"
	COL. SECTION	A	B	A	B	A	C	C	D	E
	SECOND FL. EL.	1002'-8"	—	1005'-3½"	—	1005'-3½"	1005'-8"	1005'-8"	1002'-8"	1002'-8"
First fl. to second floor	COL. SIZE	20×20	24×24	20×20	24×24	20×20	24×22	20×20	8×20	SEE SECT.
	VERT. REINF.	4-#9	8-#9	4-#10	8-#10	4-#10	8-#10	4-#10	6-#7	8-#7
	TIES	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@8"	#3@8"%
	COL. SECTION	A	B	A	B	A	C	A	D	E
	FIRST FL. EL.	991'-0"								
Basement to first floor	COL. SIZE									
	VERT. REINF.									
	TIES									
	COL. SECTION									
	BASEMENT EL.									
Formed footing	SIZE									
	DEPTH									
	REINF.									
	DOWELS									
Formed column pier	TOP D.P. EL.	988'-0"	990'-0"	988'-6"	990'-0"	988'-6"	988'-0"	988'-0"	988'-0"	986'-0"
	PIER SIZE	20×20		20×20		20×20	24×22	20×20	8×20	SEE SECT.
	VERT. REINF.	4-#9		4-#10		4-#10	8-#10	4-#10	6-#7	8-#7
	TIES	#3@12"		#3@12"%		#3@12"%	#3@12"	#3@12"	#3@8"	#3@8"
	COL. SECTION	A		A		A	C	A	C	E
Drilled pier	PIER SIZE	42"Ø	48"Ø	48"Ø	48"Ø	48"Ø	48"Ø	42"Ø	36"Ø	30"Ø
	VERT. REINF.	7-#9	7-#10	7-#10	7-#10	7-#10	7-#10	7-#9	7-#8	6-#7
	TIES	#3@18"	#4@18"	#4@18"	#4@18"	#4@18"	#4@18"	#3@18"	#3@16"	#3@14"
	DOWELS	4-#9	8-#9	4-#10	8-#10	4-#10	8-#10	4-#10	6-#7	8-#7

Story	Column number →	Q1-3 Q2-3	Q3-1 R1-1	Q3-3 R1-3	C-4 ②	C-6 C-8 ②	D-4 E-4 ②	D-6 E-6 F1-6⑦ ②④⑦	D-8 E-8 ②	F-4 ②
Main roof to penthouse fl. & penthouse to penthouse roof	TOP OF COL. EL.	1062'-0"	1060'-5"	1060'-5"	1059'-4¼"	1059'-4¼"	1059'-4¼"	1059'-4¼"	1059'-4¼"	1059'-4¼"
	COL. SIZE	8×20	SEE SECT.	8×20	12×12	12×12	12×12	12×12	12×12	12×12
	VERT. REINF.	6-#6	14-#5	6-#6	4-#7	4-#7	4-#7	4-#7	4-#7	4-#7
	TIES	#3@8"	#3@8"	#3@8"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"
	COL. SECTION	D	F	D	A	A	A	A	A	A
	P.H. FL. & ROOF EL.	1049'-4"	1049'-4"	1049'-4"	1049'-4"	1049'-4"	1049'-4"	1049'-4"	1049'-4"	1049'-4"
Fourth fl. to main roof & penthouse floor	COL. SIZE	8×20	SEE SECT.	8×20	20×20	20×20	20×20		20×20	20×20
	VERT. REINF.	6-#6	14-#5	6-#6	4-#9	4-#9	8-#8		8-#10	8-#8
	TIES	#3@8"	#3@8"	#3@8"	#3@12"	#3@12"	#3@8"		#3@8"	#3@8"
	COL. SECTION	D	F	D	A	A	B		B	B
	FOURTH FL. EL.						1031'-10"		1031'-10"	1031'-10"
Third fl. to fourth floor	COL. SIZE	8×20	SEE SECT.	8×20	20×20	20×20	20×20		20×20	20×20
	VERT. REINF.	6-#6	14-#5	6-#6	4-#9	4-#9	8-#7		8-#9	8-#7
	TIES	#3@8"	#3@8"%	#3@8"%	#3@12"	#3@12"	#3@12"		#3@12"%	#3@12"
	COL. SECTION	D	F	D	A	A	B		B	B
	THIRD FL. EL.						1014'-4"		1014'-4"	1014'-4"
Second fl. to third floor	COL. SIZE	8×20	SEE SECT.	8×20	20×20	20×20	20×20	20×20	20×20	20×20
	VERT. REINF.	6-#6	14-#5	6-#7	4-#9	4-#9	8-#7	4-#9	8-#8	8-#7
	TIES	#3@8"	#3@8"	#3@8"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"%	#3@12"
	COL. SECTION	D	F	D	A	A	B	A	B	B
	SECOND FL. EL.	1002'-8"	1002'-8"	1002'-8"	1002'-8"	1002'-8"	1002'-8"	1002'-8"	1002'-8"	1002'-8"
First fl. to second floor	COL. SIZE	8×20	SEE SECT.	8×20	20×20	20×20	20×20	20×20	20×20	20×20
	VERT. REINF.	6-#7	14-#5	6-#8	4-#9	4-#9	8-#8	4-#9	8-#8	8-#8
	TIES	#3@8"	#3@8"	#3@8"	#3@12"	#3@12"	#3@12"%	#3@12"	#3@12"	#3@12"
	COL. SECTION	D	F	D	A	A	B	A	B	B
	FIRST FL. EL.									
Basement to first floor	COL. SIZE				36×36	20×20	20×20	20×20	20×20	20×20
	VERT. REINF.				8-#8	4-#9	8-#8	4-#9	8-#8	8-#9
	TIES				#3@12"	#3@12"	#3@12"%	#3@12"	#3@12"	#3@12"
	COL. SECTION				B	A	B	A	B	B
	BASEMENT EL.				979'-4"	979'-4"	979'-4"	979'-4"	979'-4"	979'-4"
Formed footing	SIZE				4'-0"×4'-0"	4'-4"×4'-4"	4'-4"×4'-4"	3'-8"×3'-8"	4'-4"×4'-4"	4'-6"×4'-6"
	DEPTH				3'-4"	2'-0"	3'-0" MIN.	2'-10" MIN.	2'-2" MIN.	2'-10"
	REINF.				6-#5 E.W.	7-#5 E.W.	7-#5 E.W.	5-#5 E.W.	7-#5 E.W.	7-#5 E.W.
	DOWELS				8-#8	8-#7	8-#8	8-#7	8-#8	8-#9
Formed column pier	TOP D.P. EL.	986'-0"	988'-0"	988'-0"						
	PIER SIZE	8×20	SEE SECT.	8×20						
	VERT. REINF.	6-#7	14-#5	6-#8						
	TIES	#3@8"%	#3@8"	#3@8"						
	COL. SECTION	D	F	D						
Drilled pier	PIER SIZE	30"Ø	36"Ø	36"Ø						
	VERT. REINF.	6-#7	7-#8	7-#8						
	TIES	#3@14"	#3@16"	#3@16"						
	DOWELS	6-#7	14-#5 ③	6-#8						

Story	Column number →	F-6 ②	F-8 ②⑤	F2-2	G-2 H-2	G-4 H-4	G-6	G-8	H-8 ①	J-7 J-8 ①
Main roof to penthouse fl. & penthouse to penthouse roof	TOP OF COL. EL.	1059'-4¼"	1059'-4¼"	1049'-2"	1049'-2"	1049'-2"	1002'-8"	1049'-2"	1049'-2"	1049'-2"
	COL. SIZE	12×12	12×12							
	VERT. REINF.	4-#7	4-#7							
	TIES	#3@12"	#3@12"							
	COL. SECTION	A	A							
	P.H. FL. & ROOF EL.	1049'-4"	1049'-4"	1049'-2"	1049'-2"	1049'-2"		1049'-2"	1049'-2"	1049'-2"
Fourth fl. to main roof & penthouse floor	COL. SIZE		20×20	SEE SECT.	20×20	20×20		20×20	20×20	20×20
	VERT. REINF.		12-#10	8-#6	4-#9	4-#9		8-#7	8-#7	4-#9
	TIES		#3@8"	#3@8"	#3@12"	#3@12"		#3@8"	#3@8"	#3@12"
	COL. SECTION		G	E	A	A		B	B	A
	FOURTH FL. EL.		1031'-10"	1031'-10"	1031'-10"	1031'-10"		1031'-10"	1031'-10"	1031'-10"
Third fl. to fourth floor	COL. SIZE		20×20	SEE SECT.	20×20	20×20		20×20	20×20	20×20
	VERT. REINF.		8-#9	8-#6	4-#9	4-#9		8-#7	8-#7	4-#9
	TIES		#3@12"	#3@8"	#3@12"	#3@12"		#3@12"%	#3@12"	#3@12"
	COL. SECTION		B	E	A	A		B	B	A
	THIRD FL. EL.		1014'-4"	1014'-4"	1014'-4"	1014'-4"		1014'-4"	1014'-4"	1014'-4"
Second fl. to third floor	COL. SIZE		20×20	SEE SECT.	20×20	20×20		20×20	20×20	20×20
	VERT. REINF.		8-#8	8-#6	4-#9	4-#9		8-#7	8-#7	4-#9
	TIES		#3@12"	#3@8"	#3@12"	#3@12"		#3@12"	#3@12"	#3@12"
	COL. SECTION		B	E	A	A		B	B	A
	SECOND FL. EL.		1002'-8"	1002'-8"	1002'-8"	1002'-8"	1002'-8"	1002'-8"	1002'-8"	1005'-3½"
First fl. to second floor	COL. SIZE		20×20	SEE SECT.	20×20	20×20	20×20	20×20	20×20	20×20
	VERT. REINF.		8-#8	8-#6	4-#9	4-#9	4-#9	8-#7	8-#7	4-#9
	TIES		#3@12"	#3@8"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"	#3@12"
	COL. SECTION		B	E	A	A	A	B	B	A
	FIRST FL. EL.									
Basement to first floor	COL. SIZE	20×20	20×20	WALL			20×20	20×20		
	VERT. REINF.	4-#9	8-#8	8-#6 DWLS.			4-#9	8-#7		
	TIES	#3@12"	#3@12"				#3@12"	#3@12"		
	COL. SECTION	B	B				A	B		
	BASEMENT EL.	979'-4"	979'-4"				979'-4"	979'-4"		
Formed footing	SIZE	3'-8"×3'-8"	4'-4"×4'-4"				3'-8"×3'-8"	4'-0"×4'-0"		
	DEPTH	3'-4"	3'-2"				3'-2"	3'-4"		
	REINF.	5-#5 E.W.	7-#5 E.W.				5-#5 E.W.	6-#5 E.W.		
	DOWELS	8-#7	8-#8				8-#7	8-#7		
Formed column pier	TOP D.P. EL.				988'-0"	SEE PLAN			988'-0"	988'-0"
	PIER SIZE				20×20				20×20	20×20
	VERT. REINF.				4-#9				8-#7	4-#9
	TIES				#3@12"				#3@12"	#3@12"
	COL. SECTION				A				B	A
Drilled pier	PIER SIZE				42"Ø	54"Ø			54"Ø	42"Ø
	VERT. REINF.				7-#9	9-#10			9-#10	7-#9
	TIES				#3@18"	#4@18"			#4@18"	#3@18"
	DOWELS				4-#9	4-#9			8-#7	4-#9

Story	Column number →	C1-1 D1-1	C1-3 D1-3	D2-2 E1-2	F5-8a F3-8a	F5-9 F3-9	COL. "A" (BLDG. B)	COL. "B" (BLDG. B)	COL. "C" (BLDG. B)
Main roof to penthouse fl. & penthouse to penthouse roof	TOP OF COL. EL.	1059'-5"	1059'-5"	1059'-4¾"	1011'-10⅝"	1011'-8"	1005'-3½"	1005'-5"	1005'-8"
	COL. SIZE	SEE SECT.	8×20	SEE SECT.					
	VERT. REINF.	14-#5	6-#6	8-#6					
	TIES	#3@8"	#3@8"	#3@8"					
	COL. SECTION	F	D	E					
	P.H. FL. & ROOF EL.	1049'-4"	1049'-4"	1049'-4"					
Fourth fl. to main roof & penthouse floor	COL. SIZE	SEE SECT.	8×20	SEE SECT.					
	VERT. REINF.	14-#5	6-#6	8-#6					
	TIES	#3@8"	#3@8"	#3@8"					
	COL. SECTION	F	D	E					
	FOURTH FL. EL.	1031'-10"	1031'-10"	1031'-10"					
Third fl. to fourth floor	COL. SIZE	SEE SECT.	8×20	SEE SECT.					
	VERT. REINF.	14-#5	6-#6	8-#6					
	TIES	#3@8"	#3@8"	#3@8"					
	COL. SECTION	F	D	E					
	THIRD FL. EL.	1014'-4"	1014'-4"	1014'-4"					
Second fl. to third floor	COL. SIZE	SEE SECT.	8×20	SEE SECT.	8×20	SEE SECT.			
	VERT. REINF.	14-#5	6-#6	8-#6	6-#6	14-#5			
	TIES	#3@8"	#3@8"	#3@8"	#3@8"	#3@8"			
	COL. SECTION	F	D	E	D	F			
	SECOND FL. EL.	1002'-8"	1002'-8"	1002'-8"	1002'-8"	1002'-8"			
First fl. to second floor	COL. SIZE	SEE SECT.	8×20	SEE SECT.	8×20	SEE SECT.	10×16	10×16	10×16
	VERT. REINF.	14-#5	6-#6	8-#7	6-#6	14-#5	6-#5	6-#5	6-#5
	TIES	#3@8"	#3@8"	#3@8"	#3@8"	#3@8"	#3@10"	#3@8"	#3@10"
	COL. SECTION	F	D	E	D	F	D	D	D
	FIRST FL. EL.								991'-0"
Basement to first floor	COL. SIZE	WALL	WALL	SEE SECT.	WALL	WALL			
	VERT. REINF.	14-#5 DWLS.	6-#6 DWLS.	8-#7	6-#6 DWLS.	14-#5 DWLS.			
	TIES			#3@12"					
	COL. SECTION			E					
	BASEMENT EL.			979'-4"					
Formed footing	SIZE	4'-0"×4'-0"	4'-0"×4'-0"	3'-8"×3'-8"					
	DEPTH	4'-2"	3'-4" MIN.	2'-0" MIN.					
	REINF.	6-#5 E.W.	6-#5 E.W.	6-#5 E.W.					
	DOWELS	8-#6	6-#6	8-#7					
Formed column pier	TOP D.P. EL.						988'-0"	986'-0"	988'-0"
	PIER SIZE						10×16	10×16	10×16
	VERT. REINF.						6-#6	6-#6	6-#6
	TIES						#3@10"	#3@8"	#3@10"
	COL. SECTION						D	D	D
Drilled pier	PIER SIZE						30"Ø	30"Ø	30"Ø
	VERT. REINF.						—	—	—
	TIES						—	—	—
	DOWELS						6-#6	6-#6	6-#6

NOTES:
① - NO SPLICE AT SECOND FLOOR PERMITTED THESE COLUMNS.
② - PROVIDE DOWELS OUT OF ROOF BEAM INTO UPPER COLUMN SAME SIZE AS UPPER COL. (CLASS C SPLICE).
③ - 10-#5 DOWELS OUT DRILLED PIER & 4-#5 DOWELS OUT GRADE BEAM.
④ - 12×12 COL. AT D-6 & E-6 ONLY.
⑤ - PROVIDE 8-#9 DWLS. OUT OF TOP OF COLUMN AT FOURTH FL. TO COL. ABOVE.
⑥ - TOP OF DRILLED PIER COL. K-4 EL. 989'-2".
⑦ - TOP OF COLUMN F1-6 ENDS AT THIRD FL. EL. 1014'-4".

C.S. (A)

C.S. (B)

C.S. (C)

C.S. (D)

C.S. (E)

C.S. (F)

C.S. (G)

TYPICAL CONTROL JOINT

SEE PLAN S1.1 FOR LOCATION OF CONTROL JTS. (INDICATED BY C.J.) IN BASEMENT WALL.

TYPICAL COLUMN SPLICE AT INTERMEDIATE LEVELS

2ND, 3RD & 4TH FLOORS

NOTE: IN LIEU OF CLASS C SPLICE PROVIDE MECHANICAL BUTT TENSION SPLICE (125% OF BAR YIELD STRENGTH)

TYPICAL DETAIL AT TOP OF COLUMN

TYPICAL INTERIOR COLUMN DETAIL

TYPICAL EXTERIOR COLUMN DETAIL

FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

DATE 10/87 BY Thomas L. McReynolds

TYPICAL SAWED CONTROL JT. DETAIL

TYPICAL SLAB BEAM DETAIL

TYP. UNDER ALL INTERIOR MASONRY WALLS 7⅝" MAX. AT BASEMENT & FIRST FLOOR U.O.N.

TYPICAL CONSTRUCTION JOINT DETAIL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET LOUISVILLE, KENTUCKY 40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY • OTIS C. WILLIAMS 4145 • REGISTERED PROFESSIONAL ENGINEER
STATE OF KENTUCKY • THOMAS L. McREYNOLDS 3408 • REGISTERED PROFESSIONAL ENGINEER

Thomas L. McReynolds Otis C. Williams

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: [signature] OFFICE OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

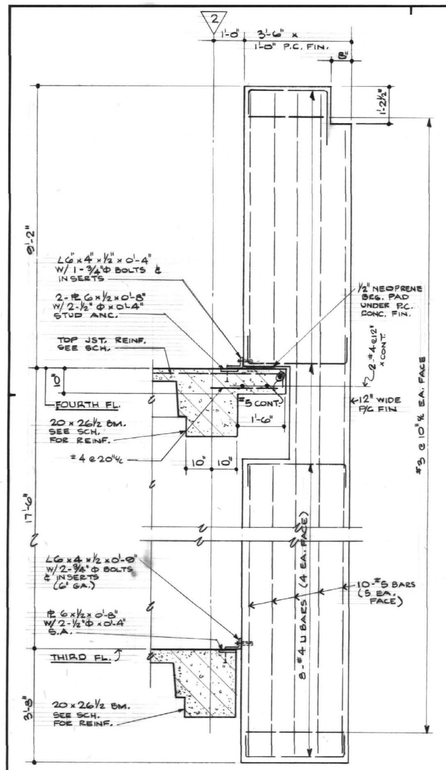
ITEMS ON SHEET
• COLUMN SCH.
• DETAILS

DRAWN BY F.W.J.
CHECKED BY T.McR. - G.W.
DATE 5-28-85
REVISIONS

Cab # 107 Slot A-1 Document #

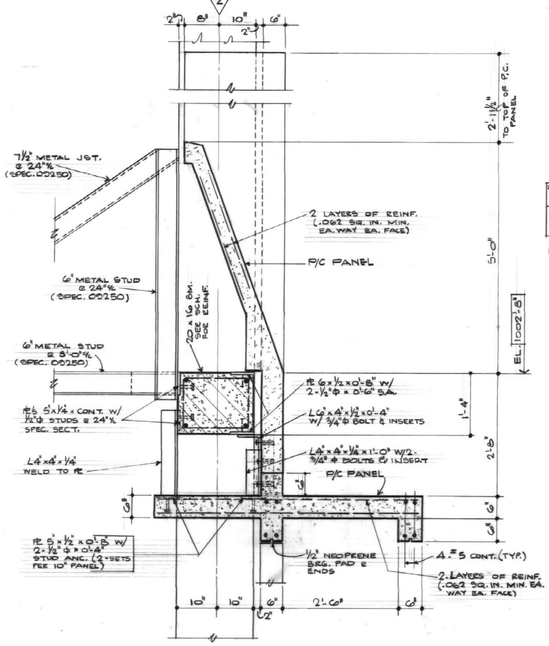
SHEET NUMBER S3.1

8412.01/CD/S3-1/5-28-85



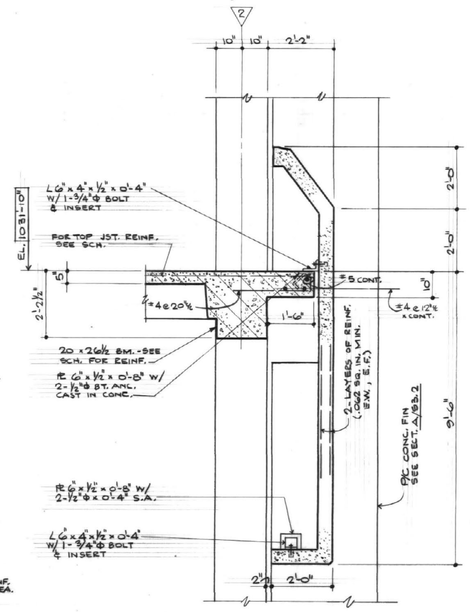
A S3.2 SECTION
½" = 1'-0"

- CONN. FOR FINS & COLUMN LINE SIMILAR (MAKE BOT. CONN. TO EXT. FACE OF COL.)
- SEE SECT. G/S3.2 & J/S3.2 FOR P.C. PANEL CONN. TO FINS.

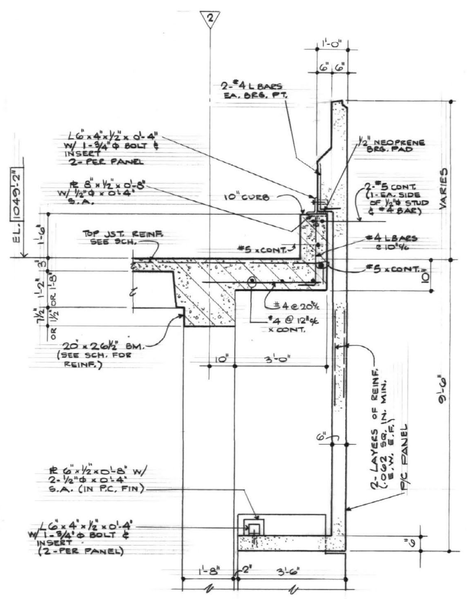


B S3.2 SECTION
¾" = 1'-0"

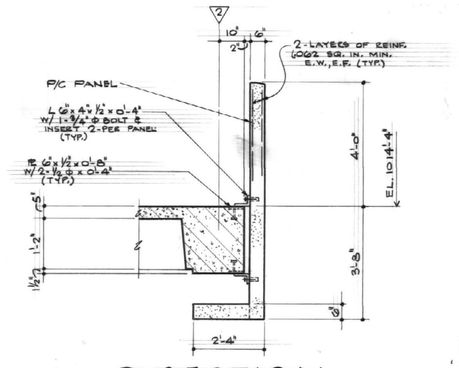
PROVIDE BRG. L8"x6"x⅜ w/ ½"Φ x 0'-4" S.A. AT EA. END OF TEN FT. LONG SECTION



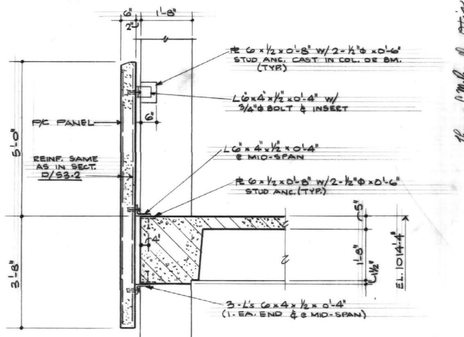
C S3.2 SECTION
½" = 1'-0"



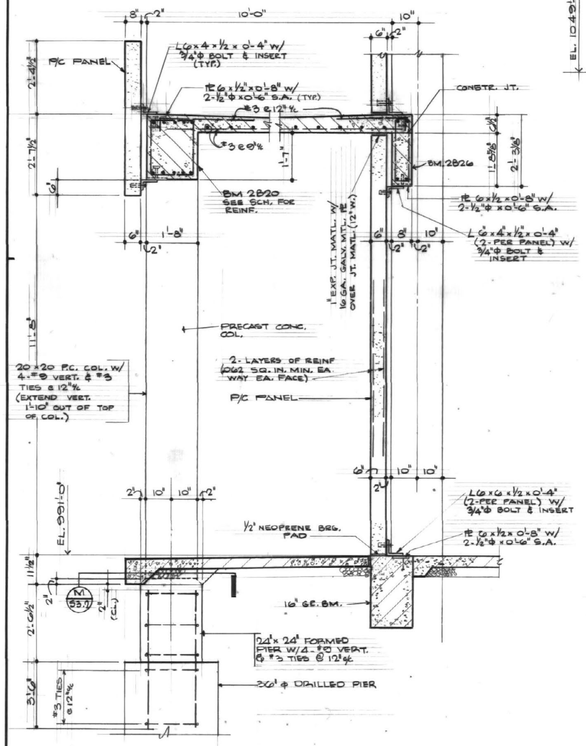
D S3.2 SECTION
½" = 1'-0"



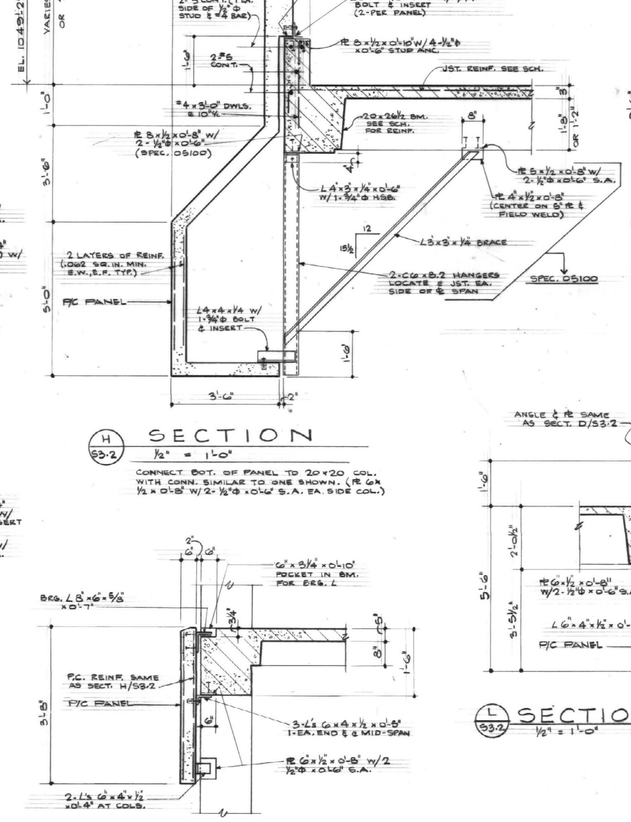
E S3.2 SECTION
½" = 1'-0"



F S3.2 SECTION
½" = 1'-0"



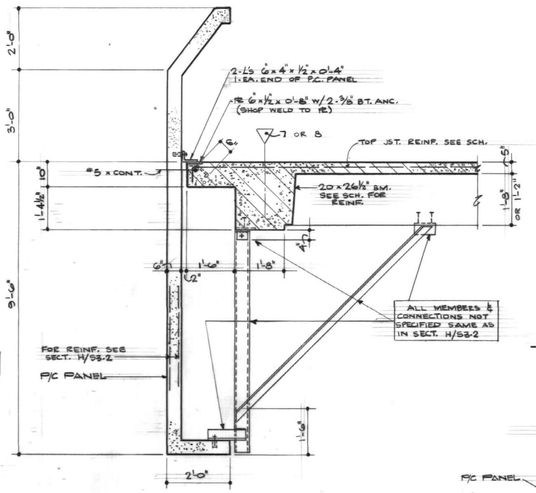
G S3.2 SECTION
½" = 1'-0"



H S3.2 SECTION
½" = 1'-0"

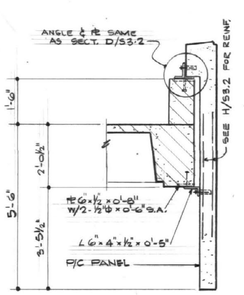
CONNECT BOT. OF PANEL TO 20 x 20 COL. WITH CONN. SIMILAR TO ONE SHOWN. (PL 6"x ½" x 0'-8" w/ 2-½"Φ x 0'-6" S.A. EA. SIDE COL.)

K S3.2 SECTION
½" = 1'-0"

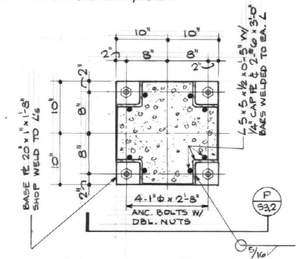


J S3.2 SECTION
½" = 1'-0"

NOTE SAME AS SECT. H/S3.2



L S3.2 SECTION
½" = 1'-0"



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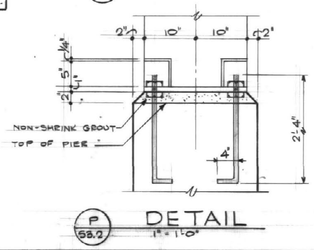
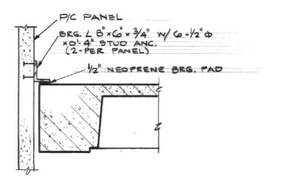
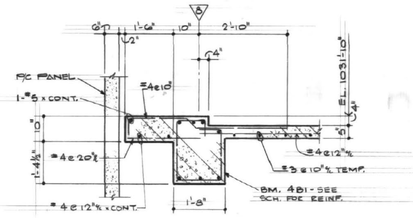
1" = 1'-0"



P S3.2 DETAIL
1" = 1'-0"



TYPICAL ANGLE BEARING DETAIL
½" = 1'-0"



Q S3.2 SECTION
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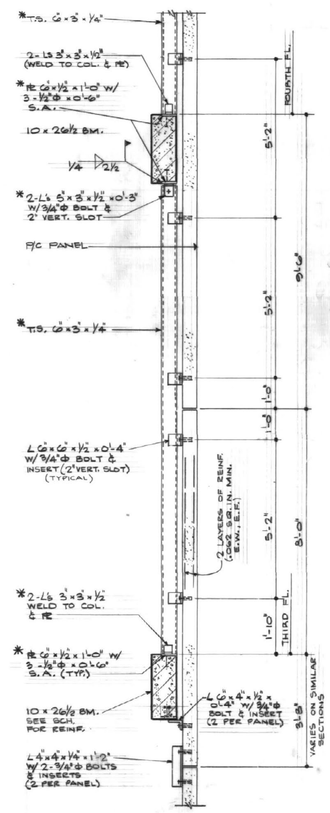


N S3.2 SECTION
½" = 1'-0"

- *INDICATES STEEL ITEMS TO BE FURNISHED UNDER SPEC. 05100
- CONNECTION AT PENTHOUSE FL. ABOVE SIMILAR.

PRECAST PANELS NOTES

1. ALL ANGLES, CHANNELS AND PLATES REQUIRED TO CONNECT PRECAST PANELS TO STRUCTURAL FRAME (INCLUDING THOSE EMBEDDED IN CONCRETE FRAME) SHALL BE FURNISHED UNDER SPECIFICATION SECTION 03350, UNLESS OTHERWISE NOTED.
2. ALL CONNECTIONS AND REINFORCEMENT FOR PANELS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF KENTUCKY.
3. ALL 6" PRECAST CONCRETE PANELS SHALL HAVE A MINIMUM OF .062 SQUARE INCH OF REINFORCEMENT IN BOTH FACES AND SPANNING BOTH DIRECTIONS.
4. REINFORCEMENT FOR PRECAST COLUMNS AND BEAMS SHALL BE AS DETAILED IN SECTIONS A/S3.2, G/S3.2, R/S3.4, T/S3.4, W/S3.4 and Y/S3.4.

PROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

DATE 10/87 BY Thomas L. McReynolds

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 9571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2001 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY REGISTERED ENGINEER OTIS C. WILLIAMS 4145 PROFESSIONAL

STATE OF KENTUCKY REGISTERED ENGINEER THOMAS L. McREYNOLDS 3408 PROFESSIONAL

Thomas L. McReynolds Otis C. Williams

UNIVERSITY PROJECT NUMBER 230.1

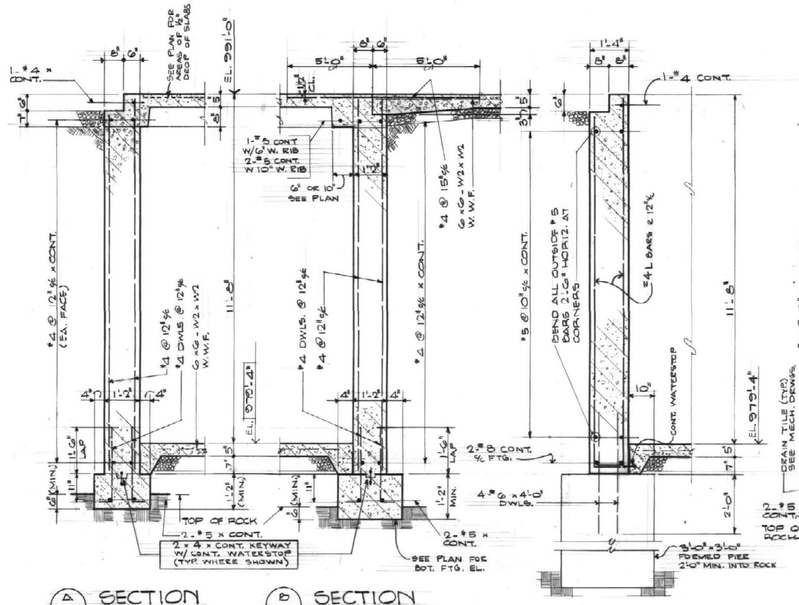
APPROVED BY: CONSTRUCTION SUPERVISOR UNIVERSITY OF KENTUCKY DATE: 5/22/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
• STRUCTURAL DETAILS
DRAWN BY G.W.W. - R.W.J.
CHECKED BY T. McR
DATE 5-28-85
REVISIONS

SHEET NUMBER S3.2

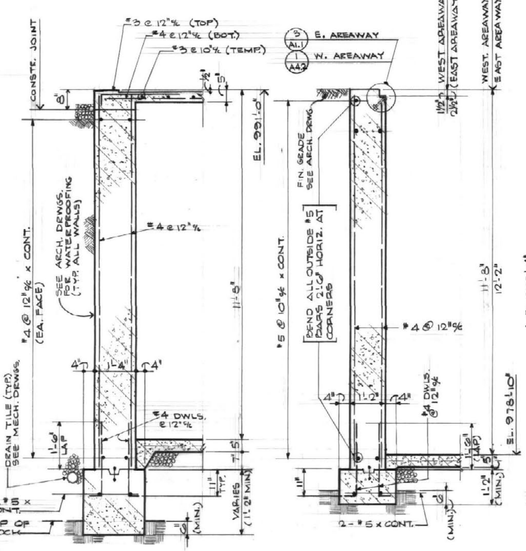
8412.01/CD/S3.2/5-28-85



A 93.3 SECTION 1/2" = 1'-0"

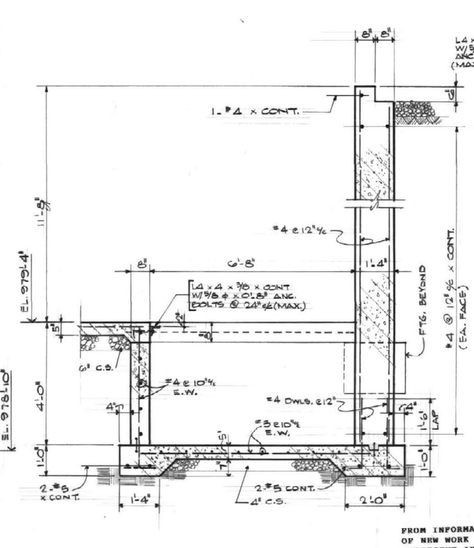
B 93.3 SECTION 1/2" = 1'-0"

C 93.3 SECTION 1/2" = 1'-0"



D 93.3 SECTION 1/2" = 1'-0"

E 93.3 SECTION 1/2" = 1'-0"



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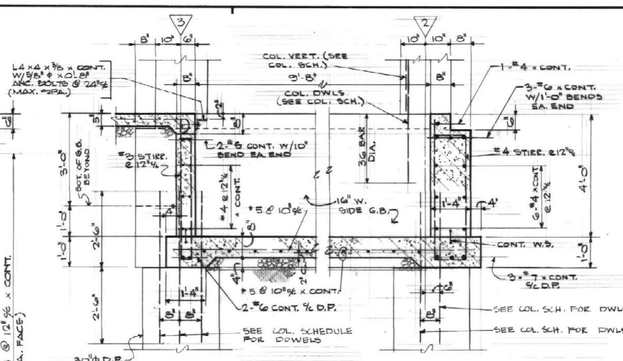
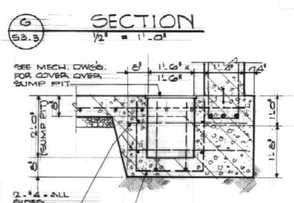


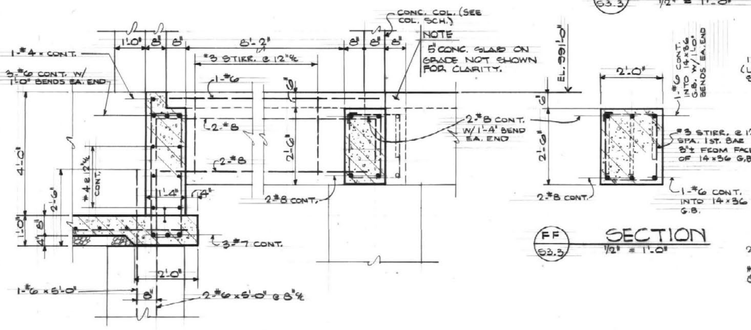
G 93.3 SECTION 1/2" = 1'-0"



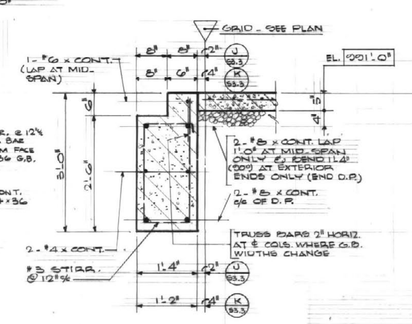
FF 93.3 DETAIL 1/2" = 1'-0"

FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

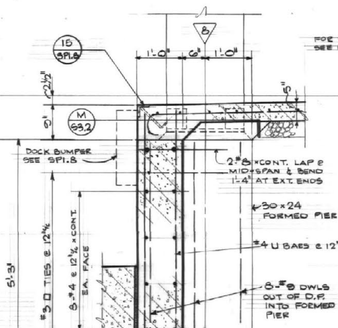
DATE 10/17 BY Thomas L. McReynolds



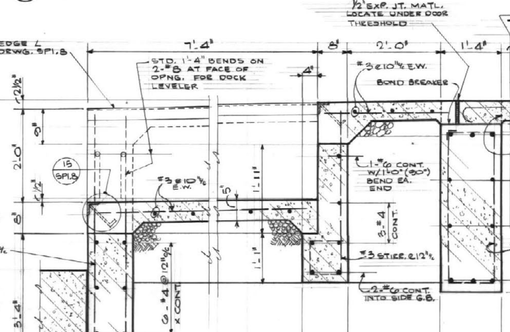
H 93.3 SECTION 1/2" = 1'-0"



J 93.3 K 93.3 SECTION 3/4" = 1'-0"



L 93.3 SECTION 3/4" = 1'-0"



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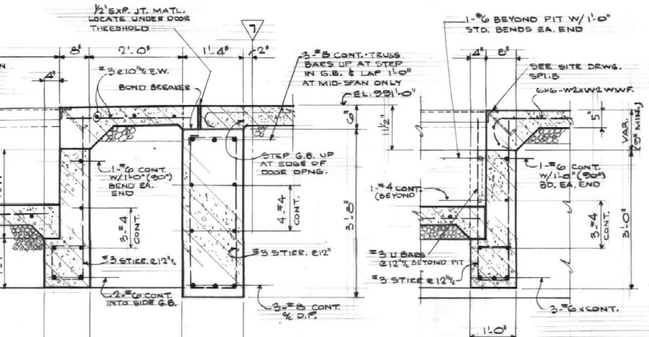
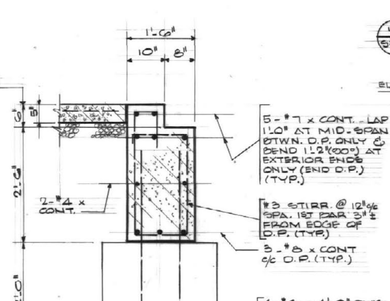


N 93.3 SECTION 3/4" = 1'-0"

P 93.3 Q 93.3 SECTION 3/4" = 1'-0"



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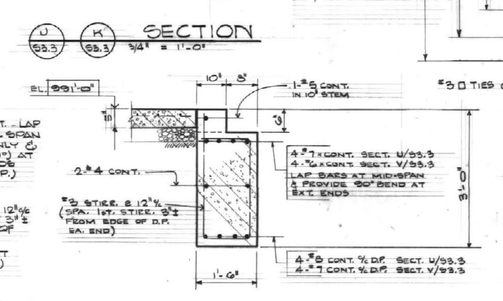
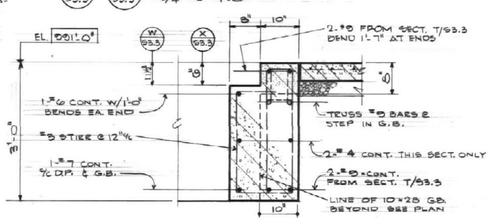
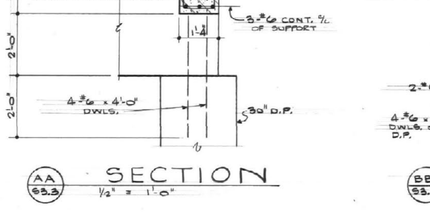


U 93.3 V 93.3 SECTION 3/4" = 1'-0"



W 93.3 X 93.3 SECTION 3/4" = 1'-0" (SECT. W/93.3 OFF HAND)



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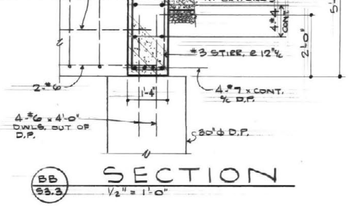
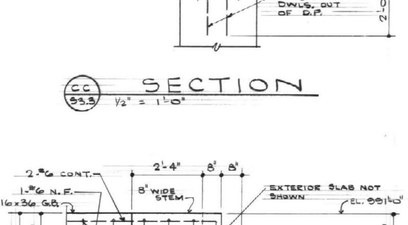
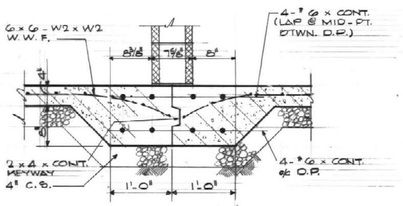


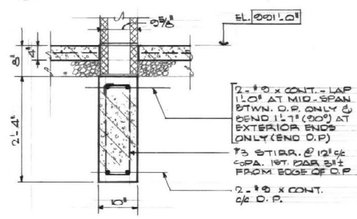
BB 93.3 SECTION 1/2" = 1'-0"



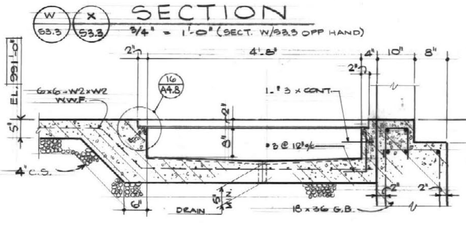
CC 93.3 SECTION 1/2" = 1'-0"



R 93.3 SECTION 1" = 1'-0"



T 93.3 SECTION 3/4" = 1'-0"



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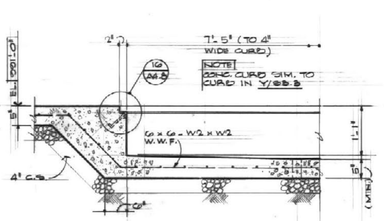

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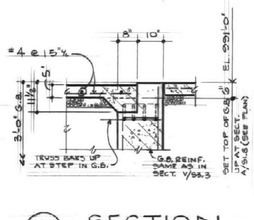
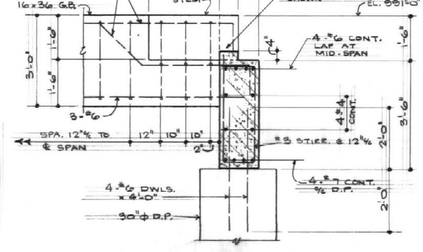


EE 93.3 SECTION



DD 93.3 SECTION 1/2" = 1'-0"

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502/587-9571

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LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

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300 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY REGISTERED PROFESSIONAL ENGINEER OTIS C. WILLIAMS 9385

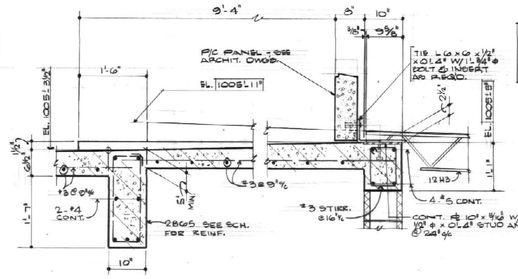
STATE OF KENTUCKY REGISTERED PROFESSIONAL ENGINEER THOMAS L. McREYNOLDS 4408

UNIVERSITY PROJECT NUMBER 230.1

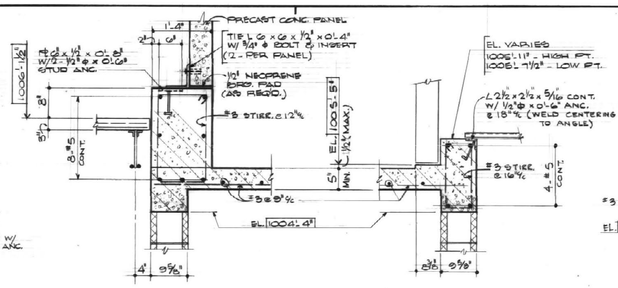
APPROVED BY: Thomas L. McReynolds, CONSTRUCTION DIVISION, UNIVERSITY OF KENTUCKY, DATED: 5/29/85

PROJECT NUMBER 8412.01
ITEMS ON SHEET
• STRUCTURAL
DETAILS
DRAWN BY G.W.W. - F.W.J.R.
CHECKED BY O.C.W. - T. McR.
DATE 5-20-8
REVISIONS
Calc'd Std. Drawings Det'l
SHEET NUMBER S3.3

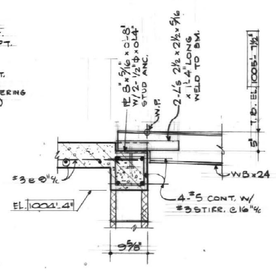
8412.01/CD/S3.3/5-29-85



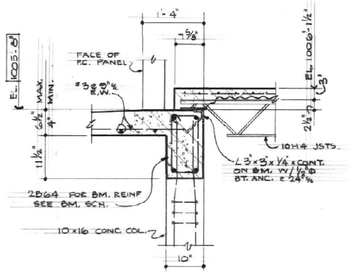
A 53.4 SECTION
3/4" = 1'-0"



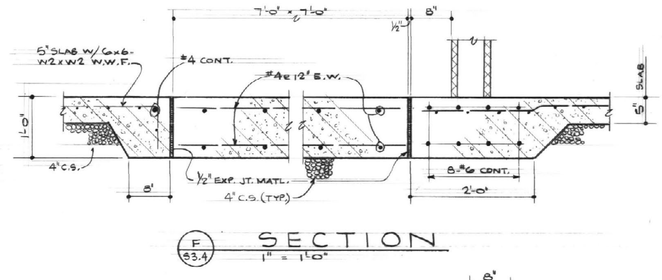
B 53.4 SECTION
3/4" = 1'-0"



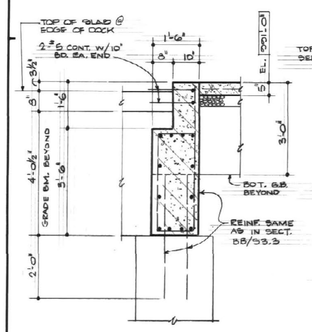
C 53.4 SECTION
3/4" = 1'-0"



D 53.4 SECTION
3/4" = 1'-0"

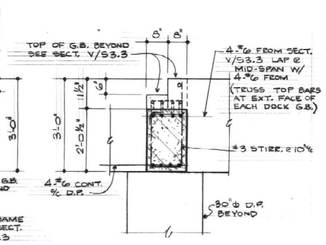


E 53.4 SECTION
3/4" = 1'-0"

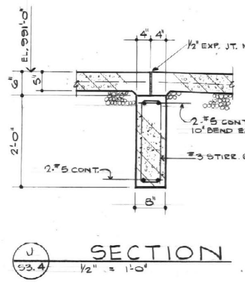


G 53.4 SECTION
1/2" = 1'-0"

NOTE
SEE DWG. S5P1.B FOR DOCK BUMPER DETAIL.



H 53.4 SECTION
1/2" = 1'-0"



J 53.4 SECTION
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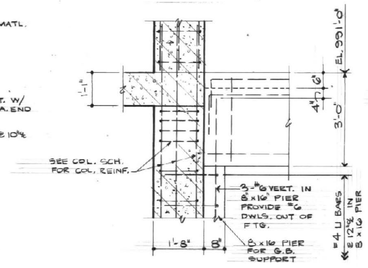

K 53.4 SECTION
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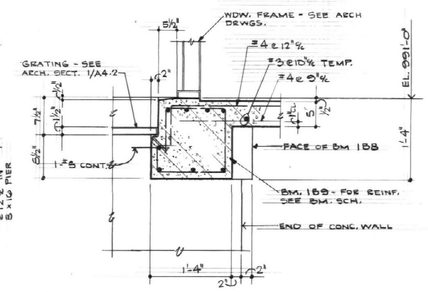
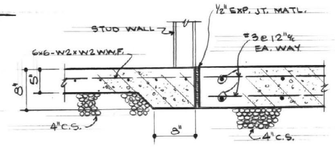
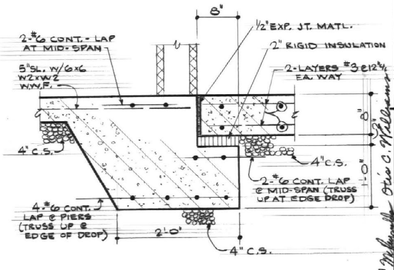


L 53.4 SECTION
1" = 1'-0"



M 53.4 SECTION
1" = 1'-0"



N 53.4 SECTION
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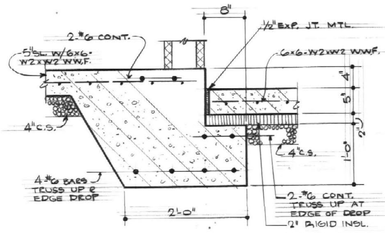

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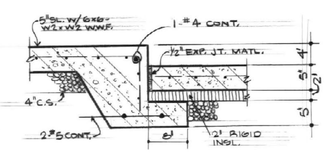

Q 53.4 SECTION
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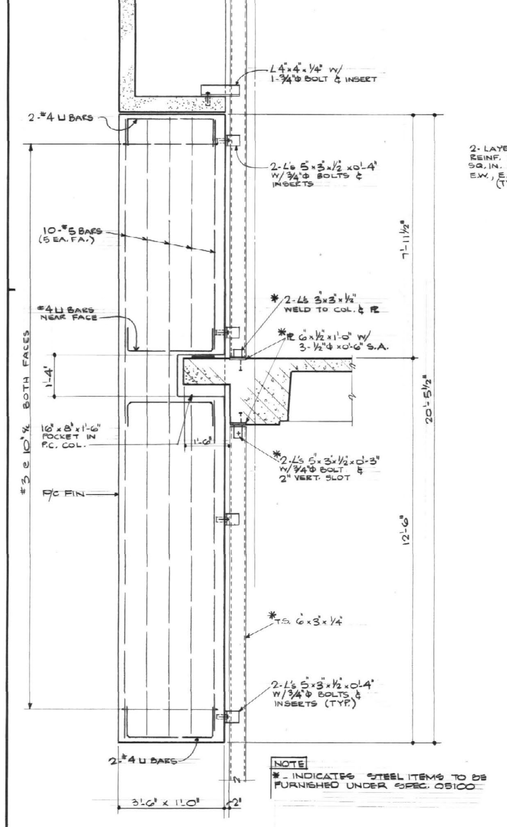
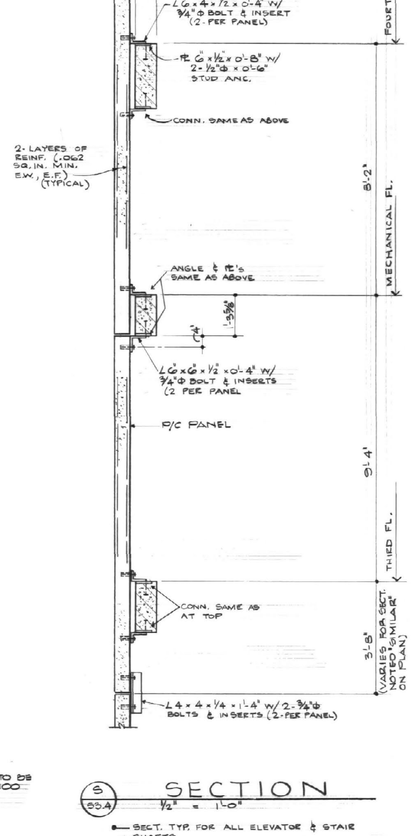


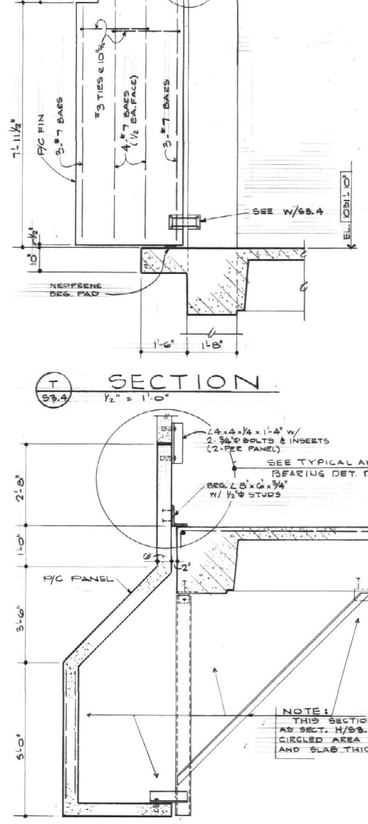
NOTE
*- INDICATES STEEL ITEMS TO BE FURNISHED UNDER SPEC. 05100

R 53.4 SECTION
1/2" = 1'-0"



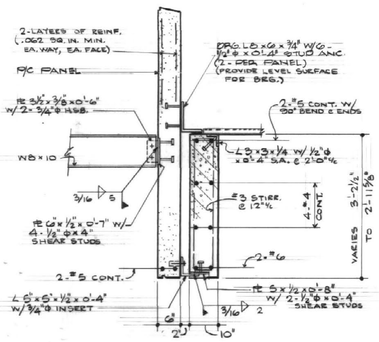
S 53.4 SECTION
1/2" = 1'-0"

- SECT. TYP. FOR ALL ELEVATOR & STAIR SHAFTS
- PROVIDE 2 BRG. ANGLES PER PANEL AT MAIN FLOOR BMS. (SEE TYP. BRG. DETAIL DRWG. S3.2
- CONNECTION TO FLOOR ABOVE SIMILAR

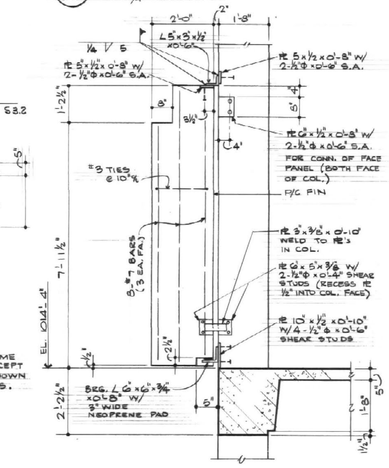


T 53.4 SECTION
1/2" = 1'-0"

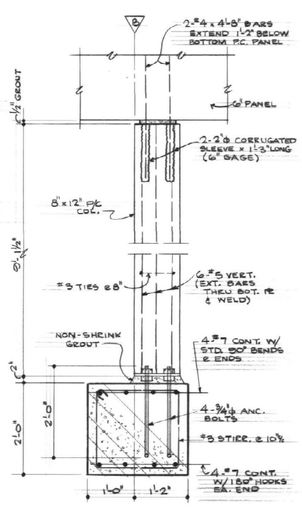
U 53.4 SECTION
1/2" = 1'-0"
(SEE NOTE FOR SECT. H/S3.2)



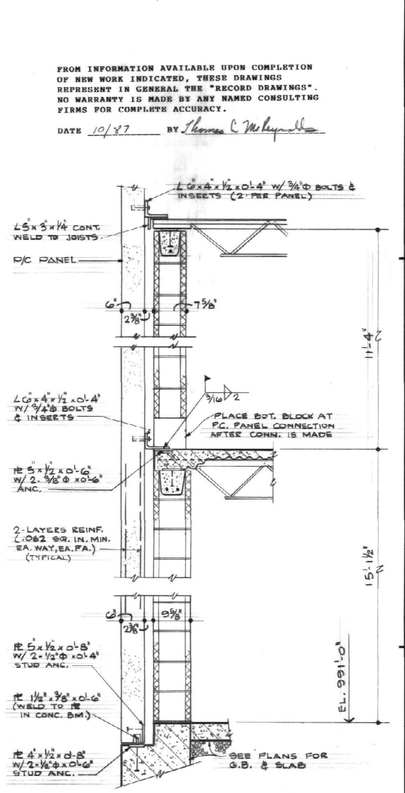
V 53.4 SECTION
3/4" = 1'-0"



W 53.4 SECTION
1/2" = 1'-0"



Y 53.4 SECTION
3/4" = 1'-0"



Z 53.4 SECTION
3/4" = 1'-0"

FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

DATE 10/87 BY Thomas C. McReynolds

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502/587-9571

WHITE, WALKER & MCREYNOLDS CONSULTING ENGINEERS
2061 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY REGISTERED PROFESSIONAL ENGINEER OTIS C. WILLIAMS 6,145

STATE OF KENTUCKY REGISTERED PROFESSIONAL ENGINEER THOMAS MCREYNOLDS 6,436

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY DATED 5/22/88

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

ITEMS ON SHEET
- STRUCTURAL
- DETAILS

DRAWN BY G.W.N. - R.W.J.R.
CHECKED BY T. McR.
DATE 5-28-88

REVISIONS

SHEET NUMBER S3.4

BEAM SCHEDULE

TYPE A — ℄ SUPPORT; TYPE B — ℄ SUPPORT; TYPE C — S=⅝ SUPPORT; TYPE D — S=⅝ SUPPORT

STIRRUP TYPES ① ② ③ ④

FIRST FLOOR BEAMS

MARK	SIZE	NO.& SIZE	TYPE	A	B	C	S	STIRRUP SIZE / SPACING FROM EDGE OF SUPPORT EACH END	STIRRUP TYPE
1B1	30×14½ (MAX.)	2#6	A	8'	8'-3"	1'-0"	15'-0"	#3 1 8 1	②
		2#6	A	8'	4'-3"	1'-0"			
		2#6	B	8'-3"	8'-3"	0			
		4#7	B	6'-0"	6'-0"	0			
		2#6	D	2"	2"				
		2#6	D	1'-3"	2'-9"				
1B2	30×14½ (MAX.)	2#7	B	10'-9"	10'-9"	0	20'-0"	#3 1 11 1 1	②
		4#7	B	6'-0"	6'-0"	0			
		2#7	D	2"	2"				
		2#7	D	3'-0"	3'-0"				
1B3	30×14½	2#7	B	10'-6"	6'-6"	0	20'-0"	#3 1 11 1 1	②
		3#7	B	6'-6"	6'-6"	0			
		2#7	D	2"	2"				
		2#7	D	3'-0"	2'-6"				
1B4	30×14½	4#5	B	4'-3"	8'	10"	8'-0"	#3 1 3 1	②
		4#6	D	2"	2"				
1B5	30×14	2#6	A	8'	10'-8"	1'-0"	20'-0"	#3 1 11 1 1	②
		3#6	A	6'	6'-0"	1'-0"			
		2#7	B	10'-6"	10'-6"	0			
		4#7	B	6'-0"	6'-0"	0			
		2#7	D	2"	2"				
		2#8	D	2'-0"	3'-0"				
1B6	30×14½	2#7	B	10'-3"	8'-7"	1'-0"	20'-0"	#3 1 11 1 1	②
		3#7	B	6'-0"	6'-0"	0			
		2#7	D	2"	2"				
		2#7	D	3'-0"	3'-0"				
1B7	30×14½	4#5	B	8'-7"	2"	10"	10'-7"	#3 1 3	②
		4#6	D	2"	2"				
1B8	12×16	2#6	A	0	13'-6"	10"	13'-8"	#3 1 9 3	①
		1#5	A	0	5'-8"	10"			
		3#6	C	5'-8"	5'-8"	0			
		3#7	D	2"	2"				
1B9	16×16	1#6	A	6'	6'-8"	10"	10'-11"	#3 1 9 2	④
		2#5	B	12'-2"	0	10"			
		1#5	B	5'-3"	0	10"			
		3#6	D	2"	2"				
1B10	8×16	2#5	C	2"	9'-8"	10"	7'-6"	#3 1 1 1	①
		2#5	D	2"	2"				
1B11	17×13 (MAX)	3#4	A	1"	11'-6"	8"	21'-6"	#3 1 8 4	①
		3#4	B	11'-6"	1"	8"			
		4#5	C	4'	4'	0			
1B12	11×16	2#5	A	5'	7'-10"	10"	14'-7"	#3 1 4 4	④
		2#6	D	8'-0"	8'-0"				
		2#6	C	0	0	0			
1B13	8×16	2#5	B	3'-6"	6'	10"	10'-0"	#3 1 1 4 2	①
		2#6	C	0	0	0			

SECOND FLOOR BEAMS

MARK	SIZE	NO.& SIZE	TYPE	A	B	C	S	STIRRUP SIZE / SPACING	STIRRUP TYPE
2B1	20×18	2#5	A	5'	8'-0"	10"	15'-0"	#3 1 5 3	①
		3#4	A	5'	4'-8"	8			
		2#6	B	8'-0"	10'-6"	0			
		3#6	B	6'-2"	6'-2"	0			
		2#6	D	1'-9"	1'-9"				
		3#5	D	0	0				
2B2	20×18	2#6	D	10'-6"	10'-6"	0	20'-0"	#3 1 9 2 1	①
		3#6	B	6'-6"	6'-6"	0			
		2#6	D	2'-2"	2'-2"				
		3#6	D	0	0				
2B3	20×18	2#6	B	10'-6"	5'	10"	20'-0"	#3 1 9 2 1	①
		3#5	B	6'-6"	5'	10"			
		2#5	D	2'-2"	2'-2"				
		2#6	D	0					
2B4	20×16	2#5	A	5'	8'-0"	10"	15'-0"	#3 1 8 LT. END / #3 1 9 RT. END	①
		3#5	A	5'	4'-0"	10"			
		2#7	B	8'-0"	10'-6"				
		1#6	B	8'-0"	5'	1'-0"			
		2#6	B	4'-8"	5'	1'-0"			
		3#5	D	0	0				
		2#5	D	1'-8"	1'-8"				
2B5	10×30	2#9	B	10'-6"	10'-6"	0	20'-0"	#3 1 8	①
		2#7	D	0	0				
2B6	20×28	1#6	A	5	15'-0"	1'-0"	29'-0"	#3 1 3 8	①
		2#6	A	5	6'-6"	1'-0"			
		4#7	D	0	0				
		2#8	D	2'-2"	2'-2"				
		2#7	B	13'-0"	10'-5"	1'-2"			
		4#7	B	10'-5"	10'-5"	1'-2"			
2B7	20×16	3#5	D	0	0		11'-0"	#3 1 1 0 LT. END / #3 1 1 3 RT. END	①
		2#5	D	1'-0"	1'-0"				
2B8	20×18	1#6	A	5'	10'-6"	1'-0"	20'-0"	#3 1 8 2	①
		2#6	A	5'	6'-6"	1'-0"			
		3#6	D	0	0				
		2#6	D	2'-2"	2'-2"				
		2#7	B	10'-6"	10'-6"	0			
		4#7	B	6'-6"	6'-6"	0			
2B9	20×18	2#7	B	10'-6"	8'	1'-2"	20'-0"	#3 1 17	①
		3#7	B	6'-6"	8'	1'-2"			
		3#6	D	0	0				
		2#6	D	2'-2"	2'-2"				
2B10	12×19⅝	2#6	A	5'	10'-6"	1'-0"	20'-0"	#3 1 9 2	①
		1#6	A	6'	6'-0"	1'-0"			
		2#6	B	6'-0"	5'	1'-0"			
		1#6	B	6'-0"	5'	1'-0"			
		2#7	D	0	0				
		1#7	D	2'-2"	2'-2"				
2B11	8×18	2#5	A	2'	6'-2"	10"	11'-4"	#3 1 4 1 2	①
		2#5	B	6'-2"	2'	10"			
		2#6	C	2'	0	0			
2B12	12×18	2#6	A	2'	9'-6"	1'-0"	17'-0"	#3 1 11 2	①
		2#7	B	9'-6"	3'-4"	0			
		2#7	C	2'	0	0			
		1#7	D	2'-6"	2'-6"				

SECOND FLOOR BEAMS CONT.

MARK	SIZE	NO.& SIZE	TYPE	A	B	C	S	STIRRUP SIZE / SPACING	STIRRUP TYPE
2B13	12×18	2#6	B	5'-4"	5'	1'-0"		#3 1 6 4	①
		2#7	C	0	0				
		1#6	D	1'-10"	2'-2"				
2B14	8×18	2#5	A	2'	8'-6"	10"	17'-0"	#3 1 10 1 2	①
		2#5	B	8'-6"	2'	10"			
		2#6	C	0	0				
2B15	20×18	2#6	C	2'	10'-6"	1'-0"	21'-6"	#3 1 4 1	①
		3#5	C	2'	6'-6"	10"			
		3#5	C	2'	0	0			
2B16	20×16	2#6	B	10'-6"	10'-6"	0	20'-0"	#3 1 4 5 1	①
		3#5	B	6'-6"	6'-6"	0			
		3#5	D	0	0				
		2#5	D	2'-2"	2'-2"				
2B17	20×16	2#6	B	10'-6"	10'-6"	1'-0"	20'-0"	#3 1 4 5 1	①
		3#5	B	6'-6"	10'-6"	10"			
		3#5	D	0	0				
		2#5	D	2'-2"	2'-2"				
2B18	20×16	3#5	C	0	2'	0	10'-6"	#3 1 3 2	①
		2#6	D	1'-4"	1'-0"				
2B19	20×25½	2#8	B	13'-2"	20'-6"	0	20'-0"	#3 1 4 3	①
		2#8	A	5'	13'-0"	1'-0"			
		3#6	B	13'-0"	13'-0"	0			
		3#5	D	0	0				
		2#5	D	2'-2"	2'-2"				
2B20	20×25½	2#8	B	20'-6"	20'-6"	0	40'-0"	#3 1 12 5	①
		3#8	B	13'-0"	13'-0"	0			
		3#7	D	0	0				
		2#6	D	4'-4"	4'-4"				
2B21	20×25½	2#7	B	20'-6"	8'-8"	1'-2"	40'-0"	#3 1 12 5	①
		3#7	B	13'-8"	8'-8"	1'-2"			
		3#7	C	0	6'-7"	0			
		2#6	C	0	6'-7"	0			
2B22	20×25½	2#7	A	5'-8"	20'-6"	1'-2"	40'-0"	#3 1 12 5	①
		3#7	A	5'-8"	13'-8"	1'-2"			
		2#7	B	20'-6"	5'	1'-2"			
		1#7	B	20'-6"	5'	1'-2"			
		2#8	B	13'-0"	5'	1'-2"			
		6#7	C	6'-7"	0	0			
2B23	10×25½	2#6	A	2'	11'-2"	1'-0"	20'-11"	#3 1 4 2 2 SEE SECT. L/S2.1	①
		2#6	B	11'-2"	2'	1'-0"			
2B24	10×25½	2#6	A	2'	11'-2"	1'-0"	20'-11"	#3 1 4 2 2 SEE SECT. L/S2.1	①
		2#6	D	11'-2"	3'	1'-0"			
		2#7	C	2'	2'	0			
2B25	8×20½	2#6	A	5'	10'-6"	1'-0"	20'-0"	#3 1 10 1	①
		2#6	B	10'-6"	10'-6"	0			
		2#8	D	0	0				
2B26	8×20½	2#6	B	10'-6"	10'-6"	0	20'-0"	#3 1 10 1	①
		2#7	C	0	0				
2B27	8×20½	2#6	B	10'-6"	6'-7"	1'-4"	20'-0"	#3 1 10 1	①
		2#7	C	0	0				
2B28	8×20½	2#8	A	6'-7"	10'-6"	1'-4"	20'-0"	#3 1 10 1	①
		2#6	C	6'-7"	0	0			
		2#6	D	10'-6"	8'-6"	0			
		2#8	D	0	0				
2B29	8×20½	2#6	B	8'-0"	5'	1'-0"	15'-0"	#3 1 9	①
		2#8	D	0	0				
2B30	8×18	2#7	C	7'	5'	1'-0"	13'-0"	#3 1 12	①
		2#8	D	0	0				
2B31	10×18	2#6	A	2'	11'-2"	8"	20'-11"	#3 1 6 2 3 — TYPE SEE SECT. K/S2.1	①
		2#6	B	11'-2"	2'	8"			
		2#7	A	2'	0				
2B32	12×18	2#6	A	3'	7'-8"	1'-0"	14'-6"	#3 1 4 1 1	①
		2#6	B	7'-8"	3'	1'-0"			
		2#6	C	2'	0	0			
		1#6	D	1'-6"	1'-6"				
2B33	11×16	2#5	A	5'	10'-6"	10"	20'-0"	#3 1 6 2 2	①
		2#5	B	10'-6"	5'	10"			
		2#6	D	0	0				
2B34	8×18	2#5	A	5'	10'-6"	10"	20'-0"	#3 1 4 1 1 3	①
		2#5	B	10'-6"	6'	10"			
		2#6	D	0	0				
2B35	17×13	3#6	A	5'	10'-6"	1'-0"	20'-0"	#3 1 8 3 1	①
		3#6	B	10'-6"	5'	1'-0"			
		2#6	D	0	0				
		2#6	D	2'-2"	2'-2"				
2B36	8×18	2#6	C	2'	10'-6"	1'-0"	19'-8"	#3 1 4 2	①
		2#6	C	2'	0	0			
2B37	10×30	2#6	C	5'	5'	1'-0"	20'-0"	#3 1 5	①
		1#6	D	2'-2"	2'-2"				
2B38	8×18	2#5	B	5'-4"	5'	10"	9'-1"	#3 1 4 1 1	①
		2#5	C	2'	0				
2B39	8×24	2#7	A	4'	10'-6"	1'-0"	19'-7"	#3 1 10	①
		2#6	B	10'-6"	7'	1'-0"			
		2#8	C	2'	0				
2B40	8×13	2#7	A	2'	4'-8"	8"	7'-6"	#3 1 3	①
		2#4	B	4'-4"	3'	8"			
		2#5	C	2'	0				
2B41	12×18	2#7	A	4'	10'-6"	1'-2"	20'-0"	#3 1 1 17	①
		2#7	B	10'-6"	8'	1'-2"			
		2#7	A	4'	6'-6"	1'-2"			
		2#7	B	6'-6"	5'	1'-2"			
		3#8	C	0	0				
		2#7	D	2'-2"	2'-2"				
2B42	20×16	2#5	A	4'	10'-6"	10"	20'-0"	#3 1 14 LT. END / #3 1 8 RT. END	①
		3#5	A	4'	6'-6"	10"			
		2#5	B	6'-6"	4'	10"			
		3#5	B	6'-6"	4'	10"			
		3#6	C	6'	0				
2B43	10×19½	2#6	A	6'	10'-6"	1'-0"	20'-0"	#3 1 (LT) 7 2 1 / #3 1 4 6 2 (RT)	①
		2#7	B	10'-6"	6'	1'-0"			
		2#6	D	0	0				
2B44	17×18	1#7	A	6'	10'-6"	1'-2"	20'-0"	#3 1 15 1	①
		1#7	A	6'	6'-6"	1'-2"			
		2#6	B	10'-6"	10'-6"	0			
		2#6	B	6'-6"	6'-6"	0			
		2#6	D	0	0				
		2#6	D	2'-2"	2'-2"				
2B45	17×18	2#6	B	10'-6"	6'	1'-0"	20'-0"	#3 1 15 1	①
		2#6	B	6'-6"	6'	1'-0"			
		2#6	D	0	0				
		2#6	D	2'-2"	2'-2"				
2B46	10×19½	2#6	A	6'	10'-6"	1'-0"	20'-0"	#3 1 6 4	①
		2#6	B	10'-6"	6'	1'-0"			
		2#6	D	0	0				
2B47	12×18	2#6	A	2'	5'-4"	1'-0"	5'-6"	#3 1 5 1 1	①
		2#6	B	5'-4"	8'	1'-0"			
		3#6	C	2'	10"	0			
2B48	32×18	2#7	A	8'-2"	15'-2"	1'-2"	30'-0"	#3 1 16 2 2	①
		5#7	A	8'-2"	10'-6"			#3 1 1 14 — IN CANTILEVER SEE SECT.	
		2#7	B	15'-2"	10'-10"	10"			
		3#5	B	10'-6"	10'-10"	10"			
		3#6	C	2'-10"	0				
		2#7	C	2'-10"	4'-0"				
2B49	20×25½	3#6	C	0	8'		10'-0"	#3 1 4	①
		2#5	C	1'-6"	1'-6"				
2B50	8×19⅝	2#6	A	3'	9'-11"	1'-0"	18'-4"	#3 1 7 3	①
		2#6	B	9'-11"	3'	1'-0"			
		2#8	D	0	0				
2B51	8×19⅝	2#6	A	8'	13'-10"	1'-0"	18'-4"	#3 1 7 3	①
		2#6	B	6'-0"	6'-0"				
		2#8	D	2'	2'				
2B52	8×19⅝	2#5	C	2'	2'	10"	6'-4"	#3 1 2 2	①
		2#6	C	2'	0				
2B53	8×19⅝	2#6	C	2'	2'	1'-0"	6'-4"	#3 1 6	①
		2#8	C	2'	2'				
2B54	8×19⅝	2#5	C	2'	2'	10"	8'-0"	#3 1 3 1	①
		2#6	C	2'	2'				
2B55	8×19⅝	2#5	C	8'	8'	10"	7'-0"	#3 1 1 1	①
		2#6	D	2'	2'				
2B56	8×19⅝	2#6	C	8'	6'	1'-0"	10'-0"	#3 1 5	①
		2#6	D	0	0				
2B57	8×19⅝	2#6	C	8'	1'-4"	1'-0"	10'-0"	#3 1 5	①
		2#6	C	0	1'-4"	0			
2B58	8×19⅝	2#6	A	8'	9'-11"	1'-0"	18'-4"	#3 1 7 3	①
		2#6	B	9'-11"	1'-0"				
		2#8	C	0	1'-4"				
2B59	8×19⅝	2#5	C	2'	2'	10"	6'-8"	#3 1 2 1	①
		2#6	C	2'	2'				
2B60	20×18 MIN.	FOR REINF. SEE SECT. A/S2.1							
2B61	20×18 MIN.	FOR REINF. SEE SECT. D/S2.1							
2B62	8×20 MIN.	FOR REINF. SEE SECT. C/S2.1							
2B63	8×16	2#6	A	2'	16'-0"	1'-0"	3'-0"	#3 1 16 2 2	①
		2#6	B	16'-0"	1'-0"				
		2#8	C	2'	0				
2B64	10×18	2#6	A	6'	5'-8"	1'-0"	9'-0"	#3 1 4 2	①
		2#6	B	5'-8"	6'	1'-0"			
		3#6	C	0	0				
2B65	10×25½	2#6	A	6'	5'-0"	1'-0"	8'-0"	#3 1 1 3	①
		2#6	B	5'-0"	6'	1'-0"			
		3#6	C	0	0				
2B66	8×20½	2#6	C	5'	5'	1'-0"	10'-0"	#3 1 1 4	①
		2#6	D	0	0				
2B67	8×19⅝	2#5	C	8'	8'	10"	13'-0"	#3 1 6 1	①
		2#7	C	0	0				

FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

DATE 10/87 BY Thomas C. McReynolds

THIRD FLOOR BEAMS

MARK	SIZE	NO.& SIZE	TYPE	A	B	C	S	STIRRUP SIZE / SPACING	STIRRUP TYPE
3B1	20×18	2#5	A	8'	6'-0"	10"	15'-0"	#3 1 4 1 1	①
		2#5	A	8'	8'-3"	10"			
		2#6	B	8'-3"	10'-6"	0			
		2#7	B	6'-4"	6'-4"	0			
		4#6	D	2'	2'				
3B2	20×18	2#6	B	10'-6"	10'-6"	0	20'-0"	#3 1 7 1 1 1	①
		2#7	B	6'-4"	6'-4"	0			
		2#6	D	2'	2'				
		2#6	D	3'-8"	3'-8"				
3B3	20×18	2#6	B	10'-6"	10'-6"	0	20'-0"	#3 1 9 1 1	①
		2#7	B	7'-0"	7'-0"	0			
		2#6	D	2'	2'				
		2#6	D	3'-8"	3'-8"				
3B4	20×26½	2#7	B	10'-9"	10'-9"	0	20'-0"	#3 1 3 4 1	①
		2#7	B	7'-0"	7'-0"	0			
		2#7	D	2'	2'				
		2#7	D	3'-0"	3'-0"				
3B5	20×26½	2#6	B	10'-9"	8'	1'-0"	20'-0"	#3 1 3 4 1	①
		2#6	B	6'-8"	8'	1'-0"			
		2#7	D	2'	2'				
		2#7	D	3'-0"	1'-0"				
3B6	20×26½	2#5	A	8'	10'-9"	10"	20'-0"	#3 1 5 2	①
		2#6	B	10'-9"	10'-9"	0			
		2#7	B	7'-0"	7'-0"	0			
		2#6	D	2'	2'				
		2#7	D	1'-0"	3'-0"				
3B7	20×26½	2#6	B	10'-9"	10'-9"	0	20'-0"	#3 1 5 2	①
		2#7	B	7'-0"	7'-0"	0			
		2#7	D	2'	2'				
		2#7	D	3'-0"	3'-0"				
3B8	20×26½	4#5	B	5'-9"	8'	10"	15'-0"	#3 1 1 2 2	①
		4#7	D	2'	2'				
3B9	12×18	4#5	A	6'-8"	6'-8"	10"	21'-0"	#3 1 6 1	①
		4#6	B	6'-8"	6'-8"	0			
		4#7	D	0	0				
3B10	12×18	4#5	A	6'-4"	6'-4"	10"	20'-0"	#3 1 6 1	①
		4#5	B	6'-4"	8'	10"			
		4#7	D	8'	2'				
3B11	36×16	2#5	A	8'	10'-0"	10"	15'-0"	#3 1 2 (LT.) 3 / #3 1 6 (RT.) 1 2	①
		3#5	A	8'	4'-8"	10"			
		5#7	B	6'-6"	6'-6"	0			
		5#8	D	2'	2'				
3B12	30×22 / 30×18	2#8	B	18'-0"	18'-8"	0	20'-0"	#3 1 5 (LT.) 3 / #3 1 4 6 (RT.) 1 1	①
		4#8	B	8'-8"	8'-8"	0			
		2#7	D	2'	2'				
		2#7	D	3'-6"	3'-6"				
3B13	30×24 / 30×28	2#6	B	15'-8"	11'-8"	1'-0"	27'-0"	#3 1 (LT.) 6 2 4 / #3 1 (RT.) 3 1 7	①
		4#8	D	8'-8"	8'-8"	0			
		2#8	D	2'	2'				
		2#8	D	3'-8"	3'-8"				
3B14	36×18	2#6	B	5'-8"	6'	10"	11'-2"	#3 1 6 (LT.) 1 / #3 1 2 (RT.) 2	①
		5#6	D	2'	0				
3B15	17×25	4#5	A	8'	6'-6"	10"	20'-0"	#3 1 2 (LT.) 2 / #3 1 2 (RT.) 4	①
		5#7	B	11'-6"	11'-6"	0			
		4#6	D	2'	2'				
3B16	17×25	3#6	B	11'-6"	8'	1'-0"	40'-0"	#3 1 2 1 4	①
		4#9	D	8'	2'				
3B17	20×20	4#5	A	8'	5'-9"	10"	15'-0"	#3 1 3 1 1	①
		2#6	B	11'-8"	10'-8"	0			
		2#7	B	6'-6"	6'-6"	0			
		3#6	C	2'	2'				
3B18	24×20	2#7	B	10'-9"	15'-0"	0	20'-0"	#3 1 4 3 1 2	②
		3#7	B	6'-6"	6'-6"	0			
		2#7	D	2'	2'				
		2#8	D	3'-6"	3'-6"				
3B19	24×20	2#7	B	10'-6"	10'-9"	0	20'-0"	#3 1 3 (LT.) 1 1 / #3 1 4 5 (RT.) 1 1	②
		3#7	B	6'-6"	6'-6"	0			
		2#7	D	2'	2'				
		2#7	D	3'-6"	3'-6"				
3B20	30×20	2#7	B	10'-9"	10'-9"	0	20'-0"	#3 1 5 1 2	①
		4#7	B	7'-0"	7'-0"	0			
		2#7	D	2'	2'				
		2#7	D	3'-6"	3'-6"				
3B21	36×26½	2#6	B	10'-9"	10'-9"	0	20'-0"	#3 1 3 3 1	②
		5#7	B	7'-0"	7'-0"	0			
		2#7	D	2'	2'				
		3#7	D	3'-6"	3'-6"				
3B22	36×26½	2#7	B	10'-9"	10'-9"	0	20'-0"	#3 1 8 1	②
		4#7	B	6'-6"	6'-6"	0			
		2#6	D	2'	2'				
		4#6	D	3'-6"	3'-6"				
3B23	36×26½	1#6	B	10'-0"	6'-6"	0	20'-0"	#3 1 8 1	②
		1#6	B	10'-6"	1'-0"				
		4#6	B	6'-6"	6'-6"	0			
		2#6	D	2'	2'				
		4#6	D	3'-6"	2'-6"				
3B24	28×20½	2#5	B	10'-0"	8'	10"	15'-0"	#3 1 3 1 1	①
		2#6	B	5'-8"	8'	10"			
		4#6	D	2'	2'				
3B25	8×18	2#6	C	4'-3"	4'-3"	0	11'-6"	#3 1 2 3	①
		2#6	C	2'	2'				
3B26	12×19⅝	2#5	A	2'	13'-4"	10"	17'-10"	#3 1 8 2	①
		1#5	A	2'	6'-0"	10"			
		3#5	B	6'-0"	6'-0"				
		2#6	C	2'	2'				
3B27	8×19⅝	2#6	A	8'	12'-8"	1'-0"	17'-0"	#3 1 5 2	①
		2#6	B	6'-0"	6'-0"				
		2#7	A	2'	2'				
3B28	20×20	2#6	A	6'-0"	6'-0"	0	18'-0"	#3 2 8 2	①
		2#6	B	13'-6"	5'-6"	0			
		2#6	B	6'-0"	5'-6"	0			
		2#7	D	2'	2'				
		2#7	D	1'-9"	1'-9"				
3B29	20×19⅝	2#6	B	6'-6"	10'-8"	0	8'-6"	#3 1 1 1	①
		2#7	B	5'-6"	7'-0"	0			
		3#6	D	2'	2'				
3B30	20×26½	2#6	B	10'-9"	10'-9"	0	20'-0"	#3 1 1 1 4 2	①
		3#6	B	7'-0"	7'-0"	0			
		2#7	D	2'	2'				
		2#8	D	3'-6"	3'-6"				
3B31	20×26½	2#6	B	10'-0"	8'-8"	0	20'-0"	#3 1 1 4 2	①
		2#6	B	7'-0"	7'-0"	0			
		2#7	D	2'	2'				
		2#7	D	3'-0"	3'-0"				
3B32	20×26½	3#5	B	4'-0"	2'	10"	10'-6"	#3 1 1 2	①
		3#7	C	0	2'	0			
3B33	12×18	2#5	A	6'-6"	13'-6"	0	20'-8"	#3 1 6 2	①
		2#5	B	6'-6"	6'-6"	0			
		4#5	B	6'-6"	2'	0			
3B34	20×18	2#6	A	6'-6"	6'-6"	0	10'-0"	#3 1 6 1 1 (LT) / #3 1 3 3 (RT)	①
		2#6	B	6'-6"	6'-6"	0			
		2#6	D	2'	2'				
		2#7	D	1'-8"	3'-0"				

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
325 SOUTH THIRD STREET LOUISVILLE, KENTUCKY 40202 502/587-9571

WHITE, WALKER & MCREYNOLDS CONSULTING ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY [signature] DATE 5/22/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

ITEMS ON SHEET: BEAM SCH.

DRAWN BY F.W.JR.

CHECKED BY T.MAR.

DATE 5-28-85

REVISIONS

SHEET NUMBER S3.5

8412.01/CD/S3.5/5-28-85

BEAM SCHEDULE CONT.

FOR REINFORCING TYPES SEE BEAM SCHEDULE SHEET S3.4.

THIRD FLOOR BEAMS CONT. FROM SHT. S3.5

MARK	SIZE	NO.& SIZE	TYPE	A	B	C	S	STIRRUP SIZE	SPACING FROM EDGE OF SUPPORT EACH END	TYPE
3B35	10×26½	2#6	–	8'	22'6"	1'0"	30'0"	#3	1 3 5 4	1
		1#6	A	8'	9'6"	1'0"				
		3#6	B	9'6"	8'	1'0"				
		2#8	D	2'	2'					
		1#8	D	2'6"	2'6"					
3B36	17×19	2#5	–	8'	22'6"	10"	30'0"	#3	1 3 5 4	1
		2#5	A	8'	9'6"	10"				
		4#5	B	9'6"	8'	10"				
		2#7	D	2'	2'					
		2#7	D	3'0"	3'0"					
3B37	8×18	2#5	A	8'	15'8"	10"	20'0"	#3	1 17	1
		2#7	B	6'6"	6'6"	0				
		2#7	D	2'	2'					
3B38	8×18	2#5	B	15'0"	8'	10"	20'0"	#3	1 17	
		2#7	D	2'	2'					
3B39	17×13	2#5	A	8'	15'6"	10"	20'0"	#3	1 3 4	1
		3#5	B	6'0"	6'0"	0				
		3#5	D	2'	8'					
3B40	17×13	2#5	B	15'6"	8'	10"	20'0"	#3	1 3 4	1
		3#5	D	8'	2'					
3B41	8×27⅝	2#7	A	8'	10'0"	1'2"	20'0"	#3	1 3 7 (LT.)	1
		2#7	B	10'0"	6'6"	0		#3	1 1 8 (RT.)	1
		2#8	D	2'	0					
3B42	12×19⅝	4#6	A	8'	7'6"	1'0"	20'0"	#3	1 2 6 (LT.)	1
		4#6	D	6'6"	6'6"	0		#3	1 2 4 (RT.)	1
		3#8	D	2'	2'					
3B43	8×19⅝	2#5	C	2'	4'0"	10"	9'0"	#3	1 2 2	1
		2#6	C	2'	0					
3B44	8×19⅝	2#6	A	8'	9'11"	10"	18'4"	#3	1 7 3	1
		2#6	B	9'11"	8'	1'0"				
		2#8	D	2'	2'					
3B45	8×19⅝	2#6	A	8'	18'10"	1'0"	18'4"	#3	1 7 3	1
		2#6	B	6'0"	6'0"	0				
		2#8	C	2'	1'4"					
3B46	8×19⅝	2#5	C	2'	2'	10"	9'4"	#3	1 2 2	1
		2#6	C	2'	0					
3B47 & 8×10 CANT.	8×10	2#5	C	3'8"	6'6"	10"	4'8"			
		2#5	C	3'8"	0			#3	1 5 (CANT.)	1
3B48	8×19⅝	2#5	C	8'	4'6"	1'0"	10'0"	#3	1 5	1
		2#6	D	2'	2'					
3B49	8×19⅝	2#5	C	8'	8'	10"	7'0"	#3	1 1 1	1
		2#5	D	2'	2'					
3B50	16×19⅝	4#5	C	4'0"	8'	10"	8'0"	#3	1 3 1	1
		4#5	C	2'	0					
3B51	8×18	2#5	C	3'0"	3'0"	10"	6'0"	#3	1 2 1	1
		2#5	C	2'	0					
3B52	8×11⅝ (MIN.)	2#5	C	5'2"	7'	10"	18'1½"	#3	1 2 4	
		2#5	C	5'2"	0			#3	1 2 3 (CANT.)	
3B53	8×15	2#5	C	2'	2'	1'0"	9'4"	#3	1 1 3	1
		2#5	C	2'	0					
3B54	8×19⅝	2#5	C	5'0"		10"	7'6"	#3	1 1 5	
		2#6	C	2'	0					
3B55	12×20	3#7	A	8'4"	8'6"	1'2"	20'0"	#3	1 3 2	1
		3#5	B	13'0"	7'0"	0		#3	1 0 CANT.	
		3#6	C	8'6"	0					
3B56	12×20	2#5	B	13'6"	7'0"	0	20'0"	#3	1 3 2	1
		3#6	C	0	0					
3B57	8×19⅝	2#6	C	8'	4'6"	1'0"	16'0"	#3	1 5	1
		2#6	C	0	1'4"					
3B58	20×26½	4#5	C	9'0"	8'	10"	10'0"	#4	1 3	1
		4#6	D	2'	2'					

FOURTH FLOOR BEAMS

MARK	SIZE	NO.& SIZE	TYPE	A	B	C	S	STIRRUP SIZE	SPACING FROM EDGE OF SUPPORT EACH END	TYPE
4B1	20×26½ (MAX)	4#6	A	8'	8'8"	1'0"	16'0"	#4	1 3 4	1&4
		2#7	B	10'0"	10'0"	0				
		2#8	B	7'0"	10'0"	0				
		3#7	D	2'	2'					
4B2	20×26½	2#7	B	10'8"	10'8"	0	20'0"	#4	1 1 3 6	1
		2#8	B	7'0"	7'0"	0				
		2#7	D	2'	2'					
		2#7	D	3'0"	3'0"					
4B3	20×26½	2#8	B	10'8"	10'8"	0	20'0"	#4	1 1 3 6	1
		2#8	B	7'0"	7'0"	0				
		2#7	D	2'	2'					
		2#7	D	3'0"	3'0"					
4B4	20×26½	2#6	B	10'8"	8'	1'0"	20'0"	#4	1 1 3 6	1
		2#6	B	7'0"	8'	1'0"				
		2#6	D	2'	2'					
		2#8	D	3'0"	3'0"					
4B5	20×26½	2#6	A	8'	10'8"	1'0"	20'0"	#4	1 1 3 6	1
		2#6	A	8'	7'0"	1'0"				
		2#8	B	10'8"	10'8"	0				
		2#8	B	7'0"	7'0"	0				
		2#7	D	2'	2'					
		2#8	D	3'0"	3'0"					
4B6	20×26½	4#6	B	8'8"	8'	1'0"	15'0"	#4	1 3 4	1
		3#7	D	2'	2'					
4B7	28×26½	4#6	A	8'	8'8"	1'0"	15'0"	#3	1 3 4	1
		1#7	D	10'8"	10'8"					
		3#7	B	7'0"	7'0"	0				
		4#7	D	2'	2'					
4B8	36×26½	1#7	A	8'	10'8"	1'0"	20'0"	#3	1 4 3 1	2
		2#7	B	10'8"	10'8"	0				
		4#7	B	7'0"	7'0"	0				
		2#7	D	2'	2'					
		3#7	D	3'0"	3'0"					
4B9	36×26½	2#6	B	10'8"	10'8"	0	20'0"	#3	1 4 3 1	2
		5#7	B	7'0"	7'0"	0				
		2#8	D	2'	2'					
		3#7	D	3'0"	3'0"					
4B10	36×20½	2#7	B	10'0"	10'0"	0	20'0"	#3	1 8 1	1
		4#7	B	6'6"	6'6"	0				
		2#6	D	2'	2'					
		4#6	D	2'	2'					
4B11	36×20½	1#6	B	10'0"	6'6"	0	20'0"	#3	1 8 1	2
		1#6	B	10'0"	8'	1'0"				
		4#6	B	6'6"	8'	1'0"				
		2#6	D	2'	2'					
		4#6	D	3'6"	2'6"					
4B12	28×26½	2#5	B	10'0"	8'	10"	15'0"	#3	1 3 4	1
		4#5	B	8'3"	8'	10"				
		4#6	D	2'	2'					
4B13	8×18	2#5	C	4'3"	4'3"	0	11'4"	#3	1 2 3	1
		2#5	C	2'	2'	0				
4B14	12×25⅝	2#5	A	2'	13'4"	10"	17'8"	#3	1 8 2	1
		1#5	A	2'	6'0"	10"				
		2#7	A	8'	6'0"	10"				
		3#5	B	6'0"	6'	10"				
		3#7	C	2'	0					
4B15	8×20	2#5	C	5'8"	5'8"	0	17'6"	#3	1 1 1 6	1
		2#5	C	2'	0					
4B16	20×26½	4#6	C	8'	7'0"	1'0"	8'6"	#4	1 1 2	1
		2#7	C	8'	0					
4B17	20×26½	2#6	B	14'6"	10'8"	0	20'0"	#4	1 1 3 6	1
		2#7	B	7'0"	7'0"	0				
		2#7	D	2'	2'					
		1#8	D	3'0"	3'0"					
4B18	20×26½	2#6	B	10'8"	10'8"	0	20'0"	#4	1 1 3 6	1
		2#7	B	7'0"	7'0"	0				
		2#7	D	2'	2'					
		1#7	D	3'0"	3'0"					
4B19	20×26½	2#7	D	2'	2'		20'0"	#4	1 1 3 6	1
		1#8	D	3'0"	1'0"					
4B20	20×26½	2#6	C	10'8"	2'	1'0"	10'6"	#4	1 4	1
		2#6	C	10'8"	2'	1'0"				
		3#7	C	0	2'	0				
4B21	12×19	2#5	A	6'6"	6'6"	0	20'8"	#3	1 6 2	1
		2#5	A	6'6"	6'6"	0				
		4#5	A	6'6"	6'6"	0				
		2#5	B	6'6"	2'	10"				
		3#5	C	0	2'	0				
4B22	20×18	4#6	A	8'	6'6"	1'0"	20'0"	#3	1 6 (LT.) 1	1
		4#6	B	6'6"	6'6"	0		#3	1 3 (RT.) 3	1
		2#6	D	2'	2'					
		2#7	D	1'8"	3'0"					
4B23	8×28	2#7	A	8'	10'0"	1'2"	20'0"	#3	1 3 (LT.) 7	1
		2#7	B	10'8"	6'6"	0		#3	1 (RT.) 8	1
		2#8	D	2'	0					
4B24	8×17⅝	2#5	C	2'	6'0"	10"	7'6"	#3	1 1 3	1
		2#5	C	2'	2'	0				
		2#5	D	3'0"	3'0"					
4B25	8×25⅝	2#6	A	8'	12'6"	10"	17'0"	#3	1 5 3	1
		2#6	B	6'0"	6'0"	0				
		2#7	D	2'	2'					
4B26	17×25	2#6	A	8'	14'6"	1'0"	20'0"	#3	1 1 9	1
		2#6	A	8'	7'0"	1'0"				
		4#6	B	7'0"	7'0"	0				
		3#8	C	8'	0					
4B27	12×25	2#6	A	8'	14'6"	1'0"	20'0"	#3	1 1 9	1
		2#6	B	7'0"	7'0"	0				
		2#8	C	8'	0					
4B28	8×19⅝	2#5	C	2'	4'0"	10"	9'6"	#3	1 2 2	1
		2#5	C	2'	0					
4B29	8×19⅝	2#5	C	2'	2'	10"	9'4"	#3	1 5 1	1
		2#6	C	2'	0					
4B30	8×25⅝	2#6	A	8'	9'11"	1'0"	18'4"	#3	1 7 3	1
		2#6	B	9'11"	8'	1'0"				
		2#8	D	2'	2'					
4B31	8×25⅝	2#6	A	8'	9'11"	1'0"	18'4"	#3	1 7 3	1
		2#6	B	9'11"	6'0"	0				
		2#8	C	0	1'4"					
4B32	8×18	2#5	C	3'0"	3'0"	0	6'8"	#3	1 2 1	1
		2#5	C	0	1'4"	0				
4B33	16×17⅝	4#5	C	4'0"	2'	10"	8'0"	#4	1 3 1	1
		4#5	C	2'	0					
4B34	8×17⅝	2#5	C	8'	8'	10"	7'0"	#3	1 1 1	1
		2#5	D	2'	2'					
4B35	8×17⅝	2#6	C	4'6"		1'0"	10'0"	#3	1 7	1
		2#6	C	0	1'4"					
4B36	8×17⅝	2#6	C	8'	5'0"	1'0"	10'0"	#3	1 5	1
		2#6	C	0	1'4"					
4B37	10×26½	2#6	A	8'	22'6"	1'0"	30'0"	#3	1 3 5 4	1
		1#6	A	8'	9'6"	1'0"				
		3#6	B	9'6"	8'	1'0"				
		2#8	D	2'	2'					
		1#8	D	2'6"	2'6"					
4B38	17×19	2#5	A	8'	22'6"	10"	30'0"	#3	1 3 5 4	1
		2#5	A	8'	9'6"	10"				
		4#5	B	6'0"	2'6"	10"				
		2#7	D	2'	2'					
4B39	8×26½	2#5	A	8'	14'6"	10"	20'0"			
		2#7	B	7'0"	7'0"					
4B40	8×26½	2#7	D	2'	2'		20'0"	#3	1 8	1
		2#7	B	14'6"	8'	10"				
		2#7	D	2'	2'					
4B41	17×25	2#8	A	8'	29'6"	1'0"	40'0"	#3	1 (LT.) 6 8	1&3
		2#8	A	8'	29'6"	10"		#3	1 (RT.) 6 8	
		4#5	B	10'0"	8'	10"				
4B42	20×26½	4#5	C	9'0"	8'	10"	15'0"	#4	1 3	1
		4#6	C							
4B43	15×25	5#5	A	8'	12'0"	10"	40'0"	#3	1 12 (LT.)	1
		5#5	B	12'0"	8'	10"		#3	1 15 (RT.)	3
		2#8	D	6'	8'					
4B44	15×25	5#5	A	8'6"	12'0"	10"	40'0"	#3	1 12	1
		5#5	B	12'0"	22'					
4B45	20×25	5#5	A	12'0"	12'0"	0	40'0"			
		5#5	B	12'0"	21'2"	10"				
		6#8	D	6'	6'					
4B46	12×25	3#5	A	9'6"	21'2"	0	30'0"	#3	1 8	1
		3#5	B	9'6"	21'2"	10"				
		3#8	D	6'	6'					
4B47 & 8×10 CANT.	8×10	2#5	C	3'8"	5'0"	10"	4'8"			
		2#6	C	3'8"	0	0		#3	1 6 (CANT.)	1

MECHANICAL ROOM BEAMS

MARK	SIZE	NO.& SIZE	TYPE	A	B	C	S	STIRRUP SIZE	SPACING FROM EDGE OF SUPPORT EACH END	TYPE
MB1	8×15⅝	2#3	A	8'	9'11"	10"	18'4"	#3	1 11 2	1
		2#5	B	9'11"	8'	10"				
		2#6	D	2'	2'					
MB2	8×15	2#5	C	2'	2'	10"	9'4"	#3	1 3 2	1
		2#6	C	2'	0					
MB3	8×15⅝	2#5	A	8'	9'3"	10"	17'0"	#3	1 4 3	1
		2#5	B	9'3"	8'	10"				
		2#6	D	2'	2'					
MB4	8×15⅝	2#3	C	2'	2'	10"	9'4"	#3	1 1 3	1
		2#5	C	2'	0					
MB5	8×15⅝	2#5	C	8'	2'	10"	6'0"	#3	1 1 2	1
		2#5	C	0	2'	0				
MB6	8×15⅝	2#5	C	2'	2'	10"	7'4"	#3	1 1 2	1
		2#5	C	2'	0					
MB7	8×15⅝	3#5	C	2'	2'	10"	8'0"	#3	1 2 2	1
		3#5	C	2'	0					
MB8	8×15⅝	2#5	C	8'	8'	10"	7'0"	#3	1 2	1
		2#5	C	0	0					
MB9	8×15⅝	2#5	C	2'	2'	10"	10'0"	#3	1 1 3	1
		2#5	C	0	0					

PENTHOUSE FLOOR & ROOF BEAMS

MARK	SIZE	NO.& SIZE	TYPE	A	B	C	S	SECTION	STIRRUP SIZE	SPACING FROM EDGE OF SUPPORT EACH END	TYPE
RB1	20×26½	4#6	A	8'	5'8"	1'0"	15'0"		#4	1 3 4	1
		2#6	B	10'8"	10'8"	0					
		4#7	B	7'0"	7'0"	0					
		2#6	D	2'	2'						
		2#7	D	3'0"	3'0"						
RB2	20×26½	2#6	B	10'8"	10'8"	0	20'0"		#4	1 1 3 6	1
		4#7	B	7'0"	7'0"	0					
		2#7	D	2'	2'						
		2#7	D	3'0"	3'0"						
RB3	20×26½	2#6	B	10'8"	10'8"	0	20'0"	TRUSS DOWN	#4	1 1 3 6	1
		4#6	B	7'0"	7'0"	0					
		2#7	D	2'	2'						
		2#7	D	3'0"	3'0"						
RB4	20×24½	2#6	B	10'8"	10'8"	0	20'0"		#4	1 1 3 8	1
		4#6	B	7'0"	7'0"	0					
		2#6	D	2'	2'						
		2#8	D	3'0"	3'0"						
RB5	20×24½	2#6	B	10'8"	8'	1'0"	20'0"		#4	1 1 3 8	1
		2#6	B	7'0"	8'	1'0"					
		2#7	D	2'	2'						
		2#7	D	3'0"	3'0"						
RB6	20×24½	2#6	A	8'	10'8"	1'0"	20'0"		#4	1 1 8 1	1
		2#6	A	8'	7'0"	1'0"					
		2#7	B	10'8"	10'8"	0					
		2#7	B	7'0"	7'0"	0					
		2#7	D	2'	2'						
		2#8	D	3'0"	3'0"						
RB7	20×24½	2#6	B	10'8"	10'8"	0	20'0"		#4	1 1 8 1	1
		2#7	B	7'0"	7'0"	0					
		2#6	D	2'	2'						
		2#8	D	3'0"	3'0"						
RB8	20×24½	2#6	B	10'8"	10'8"	0	20'0"	TRUSS UP	#4	1 1 8 1	1
		3#7	B	7'0"	7'0"	0					
		2#6	D	2'	2'						
		2#7	D	3'0"	3'0"						
RB9	20×26½	2#6	B	10'8"	10'8"	0	20'0"		#4	1 1 3 6	1
		3#7	B	7'0"	7'0"	0					
		2#7	D	2'	2'						
		2#7	D	3'0"	3'0"						
RB10	20×26½	4#6	B	8'8"	8'	1'0"	15'0"		#4	1 3 4	1
		3#7	D	2'	2'						
RB11	28×26½	4#6	A	8'	5'8"	1'0"	15'0"		#4	1 3 4	1
		3#7	B	10'8"	10'8"	0					
		3#7	B	7'0"	7'0"	0					
		2#6	D	2'	2'						
		2#7	D	2'	9'						
		2#7	D	3'0"	3'0"						
RB12	36×26½	1#5	A	2'	10'8"	10"	20'0"		#4	1 1 5 1	2
		2#7	B	10'8"	10'8"	0					
		6#7	B	7'0"	7'0"	0					
		2#7	D	2'	2'						
		3#7	D	3'0"	3'0"						
RB13	36×26½	2#7	B	10'8"	10'8"	0	20'0"	TRUSS DN.	#4	1 4 3 1	2
		6#7	B	7'0"	7'0"	0					
		3#7	D	2'	2'						
		4#7	D	2'0"	2'0"						
RB14	36×24½	2#7	B	10'8"	10'8"	0	20'0"		#4	1 6	2
		4#7	B	7'0"	7'0"	0					
		2#7	D	2'	2'						
		3#7	D	3'0"	3'0"						
RB15	36×18½	2#7	D	10'8"	10'8"		20'0"		#3	1 6 1 2	1
		3#6	B	6'6"	6'6"	0					
		2#6	D	2'	2'						
		3#6	D	3'0"	3'0"						
RB16	36×18½	2#6	B	10'8"	10'8"	0	20'0"		#3	1 6 1 2	1
		5#7	B	6'6"	6'6"	0					
		2#7	D	2'	2'						
		3#7	D	3'6"	3'6"						
RB17	36×20½	2#7	B	10'8"	10'8"	0	20'0"		#3	1 6 1 2	1
		3#7	B	6'6"	6'6"	0					
		1#5	B	10'8"	10'8"	10"					
		2#6	D	2'	2'						
		3#6	D	3'8"	3'8"						
RB18	28×20½	4#6	B	9'8"	8'	1'0"	15'0"		#3	1 5 2	1
		4#7	D	2'	2'						
		2#7	D	9'	2'						
RB19	8×17⅝	2#5	C	2'	2'	10"	9'4"		#3	1 4 2	1
		2#5	C	2'	0						
RB20	8×25⅝	2#5	C	3'0"	3'0"	0	11'4"		#3	1 4 3	1
		2#6	C	2'	0						
RB21	20×26½	3#5	C	6'	6'	10"	17'4"		#3	1 2 6	1
		3#7	C	6'	6'	0					

PENTHOUSE FLOOR & ROOF BEAMS CONT.

MARK	SIZE	NO.& SIZE	TYPE	A	B	C	S	STIRRUP SIZE	SPACING FROM EDGE OF SUPPORT EACH END	TYPE
RB22	12×24½	2#5	C	6'4"	6'4"	10"	17'4"	#3	1 2 6	1
		2#7	C	2'	2'	0				
RB23	20×24½	2#6	C	8'	10'9"	1'0"	8'6"	#4	1 1 2	1
		2#7	C	2'	0					
RB24	20×24½	2#6	B	10'8"	10'8"	0	20'0"	#4	1 1 8 1	1
		2#6	B	7'0"	7'0"	0				
		2#6	D	2'	2'					
		2#7	D	3'0"	3'0"					
RB25	20×24½	2#6	D	8'	2'		20'0"	#4	1 1 8 1	1
		2#6	D	3'0"	1'0"					
RB26	20×24½	2#6	C	10'8"	2'	1'0"	10'6"	#4	1 4	1
		2#6	C	7'0"	2'	1'0"				
		4#6	C	0	2'	0				
RB27	8×24½	2#5	A	6'6"	15'2"	0	20'8"	#3	1 6 2	1
		1#5	A	6'6"	6'6"	0				
		3#5	B	7'0"	2'	10"				
		2#8	C	0	2'	0				
RB28	16×17⅝	4#5	C	4'0"	2'	10"	8'0"	#3	1 3 1	1
		4#5	C	2'	2'	0				
RB29	8×25⅝	2#5	C	3'0"	3'0"	0	6'8"	#3	1 2	1
		2#6	C	2'	0					
RB30	8×17⅝	2#5	C	8'	8'	10"	7'0"	#3	1 1 1	1
		2#6	D	2'	2'					
RB31	8×26½	2#5	A	8'	14'6"	10"	20'0"	#3	1 8	1
		2#7	B	7'0"	7'0"	0				
		2#7	D	2'	2'					
RB32	8×26½	2#5	B	14'6"	8'	10"	20'0"	#3	1 8	1
		2#7	D	2'	2'					
RB33	22×25	2#5	A	8'	29'6"	10"	40'0"	#3	1 6 8	1
		3#5	A	8'	12'0"	10"				
		5#5	B	12'0"	8'	10"				
		6#8	D	6'	6'					
RB34	8×17⅝	2#5	C	2'	4'0"	10"	9'6"	#3	1 2 2	1
		2#5	C	2'	0					
RB35	8×25⅝	2#7	A	8'	9'11"	1'2"	18'4"	#3	1 6 3 1	1
		2#7	B	9'11"	8'	1'2"				
		2#8	D	0	0					
RB36	8×25⅝	2#7	A	8'	9'11"	1'2"	18'4"	#3	1 6 3 1	1
		2#7	B	9'11"	6'0"	0				
		2#8	C	0	1'4"	0				
RB37	8×26½	2#5	A	8'	10'8"	1'0"	20'0"	#3	1 8 7	1
		2#6	B	10'5"	8'6"	0				
		2#8	D	2'	6'					
RB38	12×26½	2#6	A	8'	10'8"	1'0"	20'0"	#3	1 8	1
		2#6	B	10'8"	8'6"	0				
		3#7	D	2'	6'					
RB39	12×23½	3#5	A	8'	10'8"	10"	20'0"	#3	1 1 9	1
		3#5	B	10'8"	8'6"	0				
		3#6	D	2'	6'					
RB40	12×24½	2#6	A	3'8"	10'8"	1'0"	20'0"	#3	1 1 9	1
		2#6	B	10'8"	8'6"	0				
		2#7	D	2'	2'					
RB41 & 8×24½ CANT.	8×24½	2#5	C	3'8"	8'	10"	4'0"	#3	1	1
		2#6	C	3'8"	2'	0		#3	1 5 (CANT.)	
RB42	8×25⅝	2#5	C	8'	5'0"	10"	10'0"	#3	1 3	1
		2#7	D	2'	2'					
RB43	22×17	2#5	A	5'8"	8'0"	10"	10'0"	#3	1 3	1
		4#5	A	5'8"	8'0"	10"				
		2#8	C	5'8"	0	0				
RB44	8×25⅝	2#5	C	8'	6'0"	10"	10'0"	#3	1 3	1
		2#6	C	0	1'4"	0				
RB45	24×30½	4#6	A	8'	12'6"	1'0"	40'0"	#4	1 9 6	1
		2#6	A	8'	12'6"	1'0"				
		2#6	B	25'0"	8'	1'0"				
		2#8	D	0	0					
		3#8	D	3'8"	3'8"					
RB46	28×30½	5#6	A	12'6"	12'6"	0	40'0"	#4	1 9 6	1
		3#6	B	28'0"	8'	1'0"				
		2#9	D	0	0					
		4#9	D	3'8"	3'8"					
RB47	18×24½	4#6	A	8'	9'6"	0	30'0"	#3	1 1 6 5	1
		2#6	B	22'0"	8'	1'0"				
		2#6	B	9'6"	8'	1'0"				
		2#7	D	2'	2'					
		2#8	D	2'6"	2'6"					
RB48	17×19	2#5	A	8'	22'0"	10"	30'0"	#3	1 3 5 4	1
		2#5	A	8'	9'6"	10"				
		5#8	B	9'6"	8'	10"				
		2#7	D	2'	2'					
RB49	10×32	2#6	A	8'	21'0"	1'0"	30'0"	#4	1 3 5 4	1
		1#6	A	8'	10'0"	1'0"				
		3#6	B	10'0"	8'	1'0"				
		3#8	D	2'	2'					
		2#8	D	2'6"	2'6"					
RB50	30×20½	2#6	B	10'8"	10'8"	0	20'0"	#4	1 9 2	2
		5#7	B	6'6"	6'6"	0				
		2#8	D	2'	2'					
		4#7	D	3'0"	3'0"					
RB51	20×24½	4#5	C	9'0"	8'	10"	10'0"	#4	1 3	1
		4#6	D	2'	2'					

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DATE 10/87 BY Thomas F. McReynolds

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UNIVERSITY'S PROJECT NUMBER 230.1

APPROVED BY: UNIVERSITY OF KENTUCKY — DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

ITEMS ON SHEET: • BEAM SCH.

DRAWN BY F.W. JR.

CHECKED BY T. McR

DATE 5-28-85

SHEET NUMBER S3.6

JOIST SCHEDULE

MARK	SIZE	FLARED PANS	NO.& SIZE	BOT.	TOP	BEND	TYPE	A	B	C	S	BEND
			– FIRST FLOOR JOISTS –									
1J1	5 x	—	3-#4		✓	✓	A	1"	6'-3"	8"	20'-7"	
	(8+5)		3-#5		✓		B	7'-5"	7'-5"	0		
	(MAX.)		3-#5	✓			A	6"	17'-8"	0		
			3-#4	✓			D	2'-1"	6"			
1J2	5 x	—	3-#4		✓		B	6'-3"	1"	8"	20'-7"	✓
	(8+4½)		1-#4	✓			D	6"	2'-1"			
			1-#5	✓			B	17'-8"	6"	0		
1J3	5 x	—	3-#4		✓		A	7'-5"	7'-5"	0	20'-0"	
	(8+5)		3-#5		✓		B	7'-5"	7'-5"	0		
	(MAX.)		1-#4	✓			D	6"	2'-0"			
			1-#5	✓			D	2'-0"	6"			
1J4	5 x	—	3-#4		✓		B	6'-3"	5"	8"	20'-11"	✓
	(8+5)		1-#4	✓			D	6"	2'-1"			
	(MAX.)		1-#5	✓			B	18'-0"	2"	0		
1J5	5 x		3-#4		✓		B	6'-3"	4'-5"	8"	20'-11"	✓
	(8+5)	—	1-#4	✓			D	6"	2'-1"			
			1-#5	✓			B	18'-0"	2"	0		
1J6	5 x	—	3-#4		✓	✓	A	2"	6'-3"	8"	20'-10"	
	(8+5)		3-#4		✓		B	6'-3"	1"	8"		✓
			1-#5	✓			A	3"	17'-8"	0		
			1-#5	✓			B	17'-8"	6"	0		
1J7	5 x	—	3-#4		✓		B	6'-3"	6'-5"	8	20'-11"	✓
	(8+5)		1-#4	✓			D	6"	2'-1"			
			1-#5	✓			B	18'-0"	2"	0		
			– SECOND FLOOR JOISTS –									
2J1	5 x	—	3-#4		✓	✓	A	5"	6'-3"	8"	20'-0"	
	(8+5)		3-#5		✓		B	7'-5"	7'-5"	0		
			1-#5	✓			A	2"	17'-8"	0		
			1-#5	✓			D	2'-1"	2"			
2J2	5 x	—	3-#4		✓		B	6'-3"	5"	8"	20'-0"	✓
	(8+5)		1-#5	✓			B	17'-8	2"	0		
			1-#5	✓			D	2"	2'-1"			
2J3	5 x	—	3-#4		✓	✓	A	5"	6'-3"	8"	19'-7"	
	(8+5)		3-#4		✓		B	6'-3"	5"	8"		✓
			1-#5	✓			A	2"	17'-8"	0		
			1-#6	✓			D	2'-0"	2"			
2J4	5 x	—	3-#4		✓	✓	A	4"	4'-2"	8"	13'-0"	
	(8+5)		3-#4		✓		B	4'-2"	8"	8"		✓
			1-#5	✓			A	2"	10'-10"	0		
			1-#4	✓			B	11'-5"	2"	0		
2J5	5 x	—	3-#4		✓	✓	A	2"	5'-0"	8"	13'-0"	
	(8+5)		3-#4		✓		B	6'-3"	6'-3"	0		
			1-#5	✓			A	2"	11'-3"	0		
			1-#4	✓			B	12'-0"	2"	0		
2J6	5 x	—	3-#4		✓	✓	A	4"	4'-2"	8"	13'-0"	
	(8+5)		3-#4		✓		B	6'-3"	6'-3"	0		
			1-#5	✓			A	2"	11'-2"	0		
			1-#4	✓			B	11'-10"	2"	0		
2J7	5 x	—	3-#4		✓	✓	A	5"	6'-3"	8"	20'-0"	
	(8+5)		3-#5		✓		B	6'-3"	6'-3"	0		
			1-#5	✓			A	2"	17'-8"	0		
			1-#5	✓			D	2'-1"	2"			
2J8	5 x	—	3-#5		✓		B	6'-3"	6'-3"	0	20'-0"	
	(8+5)		1-#5	✓			A	2"	17'-8"	0		
			1-#5	✓			D	2'-1"	2"			
2J9	5 x	—	3-#4		✓	✓	A	6"	6'-3"	8"	18'-8"	
	(8+5)		3-#4		✓		B	6'-3"	2"	8"		✓
			1-#5	✓			A	2"	16'-4"	0		
			1-#5	✓			B	16'-10"	2"	0		
2J10	5 x	—	3-#4		✓	✓	A	7'-6"	4'-2"	8"	13'-0"	
	(8+5)		3-#4		✓		B	6'-3"	6'-3"	0		
			1-#5	✓			A	2"	10'-10"	0		
			1-#4	✓			B	11'-5"	2"	0		
			– THIRD FLOOR JOISTS –									
3J1	5 x	—	3-#4		✓	✓	A	8"	6'-0"	8"	20'-0"	
	(8+5)		3-#4		✓		B	7'-0"	7'-0"	0		
			1-#5	✓			D	2"	3'-10"			
			1-#4	✓			D	1'-10"	9"			
3J2	5 x	—	3-#4		✓		B	6'-0"	8"	8"	20'-0"	✓
	(8+5)		1-#4	✓			D	9"	1'-10"			
			1-#5	✓			D	3'-10"	2"			
3J3	5 x	—	3-#4		✓		A	6'-4"	6'-4"	0	20'-0"	
	(8+5)		4-#4		✓		B	7'-0"	7'-0"	0		
			1-#5	✓			D	2"	3'-10"			
			1-#5	✓			D	1'-10"	9"			
3J4	5 x	—	2-#4		✓	✓	A	4"	4'-3"	8"	13'-0"	
	(8+5)		3-#4		✓		B	6'-4"	6'-4"	0		
			1-#4	✓			D	0	2'-4"			
			1-#4	✓			D	1'-0"	2"			
3J5	5 x	—	4-#4		✓		B	7'-0"	7'-0"	0	20'-0"	
	(8+5)		1-#5	✓			D	2"	3'-10"			
			1-#5	✓			D	2'-10"	9"			
3J6	5 x	—	2-#4		✓	✓	A	7'-8"	4'-3"	8"	13'-0"	
	(8+5)		3-#4		✓		B	6'-4"	6'-4"	0		
			1-#4	✓			D	0	2'-4"			
			1-#4	✓			D	1'-0"	2"			
3J7	5 x	—	3-#4		✓		B	7'-0"	7'-0"	0	20'-0"	
	(8+5)		1-#5	✓			D	2"	3'-10"			
			1-#4	✓			D	2'-10"	9"			
3J8	5 x	—	3-#4		✓		A	6'-4"	6'-4"	0	20'-0"	
	(8+5)		3-#4		✓		B	7'-0"	7'-0"	0		
			1-#5	✓			D	2"	3'-10"			
			1-#4	✓			D	1'-10"	9"			
			– THIRD FLOOR JOISTS CONT. –									
3J9	NOT	USED										
3J10	NOT	USED										
3J11	5 x	—	3-#4		✓	✓	A	8"	7'-0"	8"	20'-0"	
	(20+5)		4-#5		✓		B	13'-0"	13'-0"	0		
			1-#5	✓		✓	A	8"	19'-6"	10"		
			1-#5	✓		✓	A	8"	17'-0"	10"		
3J12	5 x	B-30	3-#4		✓		B	12'-0"	8"	8"	40'-0"	✓
	(20+5)		1-#6	✓			B	34'-0"	8"	1'-0"		✓
			1-#7	✓			B	39'-6"	8"	1'-2"		✓
3J13	10 x	—	4-#4		✓	✓	A	8"	7'-0"	8"	20'-0"	
	(20+5)		7-#5		✓		B	13'-0"	13'-0"	0		
			2-#5	✓		✓	A	8"	19'-6"	10"		
			1-#5	✓		✓	A	8"	17'-0"	10"		
3J14	10 x	—	5-#4		✓		B	12'-0"	8"	8"	40'-0"	✓
	(20+5)		2-#6	✓			B	34'-0"	8"	1'-0"		✓
			2-#7	✓			B	39'-6"	8"	1'-2"		✓
3J15	5 x	—	3-#4		✓	✓	A	8"	7'-0"	8"	20'-0"	
	(14+5)		3-#5		✓		B	10'-0"	10'-0"	0		
			1-#5	✓		✓	A	8"	19'-6"	10"		
			1-#5	✓		✓	A	8"	17'-0"	10"		
3J16	5 x	L-30	3-#4		✓		B	9'-0"	8"	8"	30'-0"	✓
	(14+5)		1-#5	✓			B	25'-0"	8"	10"		✓
			1-#6	✓			B	29'-6"	8"	1'-0"		✓
3J17	6 x	B-30	3-#4		✓		B	9'-0"	8"	8"	30'-0"	✓
	(14+5)		1-#6	✓			B	25'-0"	8"	1'-0"		✓
			1-#6	✓			B	29'-6"	8"	1'-0"		✓
3J18	6x	B-30	3-#4		✓		A	10'-0"	10'-0"	0	30'-0"	
	(14+5)		3-#4		✓		B	9'-0"	8"	8"		✓
			1-#7	✓			B	25'-0"	8"	1'-2"		✓
			1-#6	✓			B	29'-6"	8"	1'-0"		✓
3J19	5 x	L-30	3-#4		✓		A	10'-0"	10'-0"	0	30'-0"	
	(14+5)		3-#4				B	9'-0"	8"	8"		✓
			1-#6	✓			B	25'-0"	8"	1'-0"		✓
			1-#6				B	29'-6"	8"	1'-0"		✓
3J20	5 x	L-30	3-#4		✓	✓	A	8"	9'-0"	8"	30'-0"	
	(14+5)		3-#4		✓		B	9'-0"	8"	8"		✓
			1-#6	✓		✓	A	8"	25'-0"	1'-0"		
			1-#6	✓			B	25'-0"	8"	1'-0"		✓
3J21	5 x	—	2-#4		✓	✓	A	5'-4"	4'-6"	8"	15'-4"	
	(14+5)		3-#5		✓		B	10'-0"	10'-0"	0		
			1-#5	✓			D	1'-0"	6"			
			1-#5	✓			D	0	1'-0"			
3J22	5 x	—	2-#4		✓	✓	A	4"	4'-6"	8"	15'-4"	
	(14+5)		3-#5		✓		B	10'-0"	10'-0"	0		
			1-#5	✓			D	1'-0"	6"			
			1-#5	✓			D	0	1'-0"			
			– FOURTH FLOOR JOISTS –									
4J1	5 x	B-30	3-#5		✓	✓	A	9'-8"	13'-0"	10"	40'-0"	
	(20+5)		3-#5		✓		B	12'-0"	2'-2"	10"		✓
			1-#7	✓			B	34'-0"	8"	0		
			1-#7	✓			B	39'-6"	8"	0		
4J2	5 x	—	4-#5		✓	✓	C	4"	13'-0"	10"	13'-0"	
	(20+5)		2-#5	✓			D	0	6"			
4J3	5 x	B-30	3-#5		✓		B	12'-0"	2'-2"	10"	40'-0"	✓
	(20+5)		1-#6	✓			B	34'-0"	8"	0		
			1-#7	✓			B	39'-6"	8"	0		
4J4	5 x	—	4-#5		✓	✓	C	7'-8"	13'-0"	10"	13'-0"	
	(20+5)		2-#5	✓			D	0	6"			
4J5	5 x	B-30	3-#5		✓	✓	A	8'-9"	13'-0"	10"	40'-0"	
	(20+5)		3-#5		✓		B	12'-0"	2'-2"	10"		✓
			1-#7	✓			B	34'-0"	8"	0		
			1-#7	✓			B	39'-6"	8"	0		
4J6	5 x	—	3-#4		✓	✓	A	8"	8'-6"	8"	20'-0"	
	(20+5)		4-#5		✓		B	13'-0"	13'-0"	0		
			1-#5	✓			A	8"	19'-6"	0		
			1-#5	✓			A	8"	17'-0"	0		
4J7	5 x	—	3-#4		✓	✓	A	2'-2"	8'-6"	8"	20'-0"	
	(20+5)		4-#5		✓		B	13'-0"	13'-0"	0		
			1-#5	✓			A	8"	19'-6"	0		
			1-#5	✓			A	8"	17'-0"	0		
4J8	10 x	—	4-#4		✓	✓	A	2'-2"	8'-6"	8"	20'-0"	
	(20+5)		5-#5		✓		B	13'-0"	13'-0"	0		
			2-#5	✓			A	8"	19'-6"	0		
			1-#5	✓			A	8"	17'-0"	0		
4J9	5 x	—	3-#4		✓	✓	A	2'-2"	7'-0"	8"	20'-0"	
	(14+5)		3-#5		✓		B	10'-0"	10'-0"	0		
			1-#5	✓			A	8"	19'-6"	0		
			1-#5	✓			A	8"	17'-0"	0		
4J10	5 x	L-30	3-#4		✓		B	9'-0"	2'-2"	8"	30'-0"	✓
	(14+5)		1-#5	✓			B	25'-0"	8"	0		
			1-#6	✓			B	29'-6"	8"	0		
4J11	5 x	—	3-#4		✓	✓	A	6'-10"	4'-6"	8"	15'-4"	
	(14+5)		3-#5		✓		B	10'-0"	10'-0"	0		
			1-#5	✓			D	1'-0"	6"			
			1-#5	✓			D	0	1'-0"			
4J12	5 x	—	3-#4		✓	✓	A	4"	4'-6"	8"	15'-4"	
	(14+5)		3-#5		✓		B	10'-0"	10'-0"	0		
			1-#5	✓			D	1'-0"	6"			
			1-#5	✓			D	0	1'-0"			
4J13	5 x	L-30	3-#4		✓	✓	A	10'-0"	10'-0"	0	30'-0"	
	(14+5)		3-#4		✓		B	9'-0"	2'-2"	8"		✓
			1-#6	✓			B	25'-0"	8"	0		
			1-#6	✓			B	29'-6"	8"	0		
4J14	6 x	L-30	3-#4		✓	✓	A	8"	9'-0"	8"	30'-0"	
	(14+5)		3-#4		✓		B	9'-0"	2'-2"	8"		✓
			1-#6	✓			A	8"	25'-0"	0		
			1-#6	✓			B	25'-0"	8"	0		
			– FOURTH FLOOR JOISTS CONT. –									
4J15	10 x	—	5-#4		✓	✓	A	4"	4'-6"	8"	15'-4"	
	(14+5		5-#5		✓		B	10'-0"	10'-0"	0		
			2-#5	✓			D	1'-0"	6"			
			2-#5	✓			D	6"	1'-0"			
			– ROOF JOISTS –									
RJ1	5 x	B-30	4-#4		✓	✓	A	8"	12'-0"	8"	40'-0"	
	(20+5)		4-#4		✓		B	12'-0"	8"	8"		✓
			1-#8	✓			D	0	4'-0"			
			1-#8	✓			D	4'-0"	0			
RJ2	5 x	B-30	4-#5		✓	✓	A	9'-8"	12'-0"	10"	40'-0"	
	(20+5)		4-#4		✓		B	12'-0"	8"	8"		✓
			1-#8	✓			D	0	4'-0"			
			1-#8	✓			D	4'-0"	0			
RJ3	10 x	—	4-#4		✓	✓	A	8"	8'-6"	8"	20'-0"	
	(20+5)		6-#5		✓		B	13'-0"	13'-0"	0		
			2-#5	✓			D	0	3'-0"			
			2-#6	✓			D	0	6"			
RJ4	5 x	—	3-#4		✓	✓	A	8"	8'-6"	8"	20'-0"	
	(20+5)		4-#5		✓		B	13'-0"	13'-0"	0		
			1-#6	✓			D	0	3'-0"			
			1-#6	✓			D	0	6"			
RJ5	5 x	B-30	4-#4		✓		B	12'-0"	8"	8"	40'-0"	✓
	(20+5)		1-#8	✓			D	0	4'-0"			
			1-#8	✓			D	4'-0"	0			
RJ6	5 x	—	4-#5		✓	✓	C	4"	13'-0"	10"	13'-0"	
	(20+3)		1-#5	✓			C	4"	0	0		
			1-#4	✓			C	4"	0	0		
RJ7	10 x	L-30	4-#4		✓		B	12'-2"	8"	8"	40'-0"	✓
	(20+3)		2-#6	✓			B	34'-0"	8"	0		
			2-#6	✓			B	39'-6"	8"	0		
RJ8	5 x	—	3-#4		✓	✓	A	8"	8'-6"	8"	20'-0"	
	(20+3)		3-#5		✓		B	13'-0"	13'-0"	0		
			1-#5	✓			A	0	19'-6"	0		
			1-#4	✓			A	0	17'-0"	0		
RJ9	5 x	—	3-#5		✓	✓	A	3'-8"	8'-6"	8"	20'-0"	
	(20+3)		3-#5		✓		B	13'-0"	13'-0"	0		
			1-#5	✓			A	0	19'-6"	0		
			1-#4	✓			A	0	17'-0"	0		
RJ10	5 x	B-30	3-#4		✓		B	12'-2"	8"	8"	40'-0"	✓
	(20+3)		1-#6	✓			D	0	4'-0"			
			1-#6	✓			D	4'-0"	0			
RJ11	10 x	—	4-#5		✓	✓	A	3'-8"	8'-6"	8"	20'-0"	
	(20+3)		4-#5		✓		B	13'-0"	13'-0"	0		
			2-#5	✓			A	0	19'-6"	0		
			2-#4	✓			A	0	17'-0"	0		
RJ12	10 x	—	4-#4		✓		B	12'-2"	8"	8"	40'-0"	✓
	(20+3)		2-#6	✓			D	0	4'-0"			
			2-#6	✓			D	4'-0"	0			
RJ13	5 x	—	3-#5		✓	✓	A	3'-8"	10'-9"	8"	20'-0"	
	(14+3)		3-#5		✓		B	10'-0"	10'-0"	0		
			1-#5	✓			A	0	19'-6"	0		
			1-#4	✓			A	0	17'-0"	0		
RJ14	5 x	L-30	3-#4		✓		B	9'-0"	8"	8"	30'-0"	✓
	(14+3)		1-#5	✓			B	25'-0"	0	0		
			1-#5	✓			B	29'-6"	0	0		
RJ15	10 x	L-30	5-#4		✓		B	9'-0"	8"	8"	30'-0"	✓
	(14+3)		2-#5	✓			B	25'-0"	0	0		
			2-#5	✓			B	29'-6"	0	0		
RJ16	5 x	—	3-#4		✓	✓	A	8'-2"	8'-0"	8"	15'-6"	
	(14+3)		3-#5		✓		B	9'-0"	9'-0"	0		
			2-#4	✓			A	2"	14'-9"	0		
RJ17	5 x	—	3-#4		✓	✓	A	2"	8'-0"	8"	15'-6"	
	(14+3)		3-#5		✓		B	9'-0"	9'-0"	0		
			2-#4	✓			A	2"	14'-9"	0		
RJ18	5 x	B-30	3-#4		✓		B	9'-0"	8"	8"	30'-0"	✓
	(14+5)		1-#6	✓			D	9"	2'-6"			
			1-#7	✓			D	4'-0"	0			
RJ19	5 x	B-30	3-#4		✓	✓	A	10'-0"	9'-0"	8"	30'-0"	
	(14+3		3-#4		✓		B	9'-0"	8"	8"		✓
			1-#6	✓			D	9"	2'-6"			
			1-#7	✓			D	2'-6"	0			
RJ20	5 x	B-30	3-#4		✓	✓	A	8"	9'-0"	8"	30'-0"	
	(14+5)		3-#4		✓		B	9'-0"	8"	8"		✓
			1-#6	✓			D	9"	2'-6"			
			1-#7	✓			D	2'-6"	0			

BEND DN. @ DROP (3J3, 3J5)

NOTES:

- L-30 IN SCH. INDICATES FLARED PANS AT LEFT END OF 30" PANS.
- B-30 IN SCH. INDICATES FLARED PANS AT BOTH ENDS OF 30" PANS.

FROM INFORMATION AVAILABLE UPON COMPLETION OF NEW WORK INDICATED, THESE DRAWINGS REPRESENT IN GENERAL THE "RECORD DRAWINGS". NO WARRANTY IS MADE BY ANY NAMED CONSULTING FIRMS FOR COMPLETE ACCURACY.

Date 10/87 By Thomas L. McReynolds

D S3.7 SECTION 3/4" = 1'-0"

C S3.7 SECTION 3/4" = 1'-0"

CONSTR. JT. IN JOIST

[1] – FOR FLOOR JOISTS W/20" PANS & ROOF JOISTS W/PANS 14" OR GREATER.

CONSTRUCTION JT. IN JOIST SLAB & DISTRIBUTION RIB

CONSTRUCTION JT. IN BEAM

[1] – FOR FLOOR BMS. W/D" = 24" OR GREATER & ROOF BMS. W/D" = 18" OR GREATER.

[2] – FOR FL. BMS. W/D" = 24" OR LESS & ROOF BMS. WITH D" = 18" OR LESS.

A S3.7 SECTION

TYP. DISTRIBUTION RIB

B S3.7 SECTION

TYP. FLOOR OR ROOF JOIST CONSTRUCTION

GENERAL STRUCTURAL NOTES

1. DESIGN LOADS: ROOF: 25 psf LIVE LOAD
   FLOORS ON GRADE: 300 psf LIVE LOAD
   FLOORS: 100 psf LIVE LOAD
   PENTHOUSE FLOOR: 150 psf LIVE LOAD
2. DESIGN STRESSES:
   CONCRETE: F'c (COMPRESSIVE STRENGTH AT 28 DAYS) SHALL BE 4,000 psi.
   REINFORCING BARS: ALL REINFORCING STEEL SHALL HAVE A YIELD POINT OF NOT LESS THAN 60,000 psi.
3. CODES USED IN DESIGN:
   CONCRETE: A.C.I. STANDARD BUILDING CODE.
   STRUCTURAL STEEL: A.I.S.C. SPECIFICATIONS AND CODES.
   BUILDING: KENTUCKY BUILDING CODE.
4. FOUNDATIONS:
   ALLOWABLE BEARING VALUE USED IN DESIGN - 40,000 psf.
   FOOTINGS AND DRILLED PIERS ARE DESIGNED TO BEAR ON ROCK.
5. ALL REINFORCING SHALL BE STANDARD A-615 REINFORCING BARS, GRADE 60.
6. A.C.I. CODE OF STANDARD PRACTICE TO GOVERN FABRICATION OF ALL REINFORCING.
7. ALL REINFORCING BARS SHALL BE TIED AND SUPPORTED IN SUCH A MANNER AS TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT OPERATIONS. REINFORCEMENT SUPPLIER SHALL FURNISH ALL ACCESSORIES, CHAIRS, SPACER BARS, AND SUPPORTS NECESSARY TO SECURE STEEL IN ACCORDANCE TO A.C.I. CODE OF STANDARD PRACTICE, AND AS SHOWN ON THE DRAWINGS.
8. PROVIDE 2 - #5 BARS (CONT.) AT EACH SIDE OF ALL OPENINGS IN CONCRETE WALLS, SLABS, ETC., UNLESS OTHERWISE SHOWN. BARS TO EXTEND 2'-0" BEYOND EDGE OF OPENINGS.
9. PROVIDE DOWELS IN WALLS, BEAMS, ETC. FOR ANY CONCRETE WORK NOT PLACED AT THE TIME ORIGINAL WORK IS PLACED. DOWELS SHALL BE SAME SIZE AS MAIN REINFORCING IN CONNECTED WORK AND SHALL LAP 36 BAR DIAMETERS, UNLESS OTHERWISE DETAILED.
10. IN ANY CONCRETE WORK WHERE REINFORCING IS NOT INDICATED, PROVIDE A MINIMUM OF #4 BARS @ 12" c/c EACH WAY.
11. SPLICES IN REINFORCING BARS SHALL BE 36 DIAMETERS (MIN.), UNLESS OTHERWISE DETAILED.
12. AT CORNERS OF CONCRETE WALLS OR GRADE BEAMS, PROVIDE #5 x 5'-0" CORNER BARS AT SAME SPACING AS MAIN REINFORCING.
13. CONCRETE COVERAGE FOR REINFORCEMENT, UNLESS OTHERWISE SHOWN, SHALL BE AS FOLLOWS:
    STRUCTURAL SLABS ---------------- 1"
    SLABS ON GRADE ------------------ MIDDLE OF SLAB
    GRADE BEAMS --------------------- 2" TO STIRRUPS
    BEAMS --------------------------- 1-1/2" TO STIRRUPS
    WALLS --------------------------- 2"
    PIERS AND COLUMNS --------------- 1-1/2" TO TIES
    FOOTINGS ------------------------ 3"
    JOISTS -------------------------- 1"
14. ALL SLABS ON GRADE SHALL BE POURED ON 4" CRUSHED STONE FILL WHICH HAS BEEN PLACED ON FIRM UNDISTURBED EARTH OR WELL COMPACTED EARTH FILL, AND SLAB SHALL BE REINFORCED WITH 6x6 - W2xW2 WELDED WIRE FABRIC, UNLESS OTHERWISE SHOWN.
15. TO MINIMIZE CRACKING DUE TO SHRINKAGE, SLABS ON GRADE INSIDE BUILDING SHALL BE PLACED IN ALTERNATE SQUARES. SIZE OF SQUARES SHALL BE A MAXIMUM OF 20' x 30', OR AS APPROVED BY ARCHITECT.
16. STRUCTURAL STEEL MEMBERS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH A.I.S.C. CODE OF STANDARD PRACTICE.
17. ALL STRUCTURAL STEEL CONNECTIONS SHALL BE ADEQUATE TO DEVELOP THE CONNECTED MEMBER.
18. DURING THE CONSTRUCTION PERIOD ALL WALLS ARE TO BE HELD PLUMB AND IN LINE UNTIL SLABS AND/OR BEAMS CONNECTING TO WALLS ARE IN PLACE.
19. ALL PLUMBING THAT DOES NOT HAVE A FRAMED OPENING LOCATED OR SHOWN ON DRAWINGS ARE TO BE SLEEVED THROUGH CONCRETE.
20. POUR ALL PADS, CURBS, RAILS, ETC., INCLUDING THOSE SHOWN ON ARCHITECTURAL AND MECHANICAL DRAWINGS.
21. DURING THE CONSTRUCTION PERIOD, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CROSS-CHECK ALL DIMENSIONS AND SECTIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS, AND REPORT TO THE ARCHITECT ANY DISCREPANCIES FOUND.
22. THESE STRUCTURAL DRAWINGS AND DETAILS REPRESENT THE DESIRED RESULT OF CONSTRUCTION. THE METHODS OF CONSTRUCTION AND THE RISKS INVOLVED DURING CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

LIST OF ABBREVIATIONS

B.P.	Bottom of Drilled pier	R.	Estimated Top of Rock Elevation
C.J.	Control Joint	T.C.W.	Top of Concrete Wall
C.S.	Crushed Stone	T.F.	Top of Footing
Cont.	Continuous	T.G.B.	Top of Grade Beam
D.P.	Drilled Pier	T.P.	Top of Drilled Pier
E.J.	Expansion Joint	T.S.	Top of Slab Elevation
F.E.	Bottom of Footing Elevation	U.O.N.	Unless Otherwise Noted
G.P.	Grade Beam	W.S.	Water Stop
H.P.	High Point	W.W.F.	Welded Wire Fabric
N.T.S.	Not to Scale		
P.S.F.	Pounds Per Square Foot		
P.S.I.	Pounds Per Square Inch		

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: UNIVERSITY OF KENTUCKY DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

ITEMS ON SHEET: • JOIST SCH. • NOTES

DRAWN BY F.W.JR.

CHECKED BY T.McR.

DATE 5-28-85

REVISIONS

SHEET NUMBER S3.7

8412.01/CD/S3.7/5-28-85

L E G E N D S   A N D   A B B R E V I A T I O N S

SYMBOLS

GENERAL

- ℄ CENTER LINE
- MK MARK
- ℘ PLATE
- GENERAL NOTE
- BUILDING SECTION
- COLUMN LINE AND NO.

SITE

- 461.01' NEW POINT ELEVATION
- 461.01' EXISTING POINT ELEVATION
- 461.01' NEW CONTOUR
- 461.01' EXISTING CONTOUR

REFERENCES

- DETAIL NO. / TITLE / SCALE / SHEET ON WHICH DETAIL IS FIRST REFERENCED
- SECTION NO. / SHEET ON WHICH SECTION IS DRAWN
- ELEVATION NO. / SHEET ON WHICH ELEVATION IS DRAWN
- ROOM AND STAIR NO.
- DOOR NO. — NOTE: FIRST DIGIT OF DOOR NUMBER CORRESPONDING TO FLOOR LEVEL IS NOT INCLUDED IN CIRCLE ON PLANS
- AS-BUILT MODIFICATIONS ENTERED ON RECORD DRAWINGS

MATERIALS

- **EARTHWORK**: EARTH/COMPACT FILL; GRANULAR FILL
- **CONCRETE**: CAST-IN-PLACE; PRECAST
- **MASONRY**: CONCRETE BLOCK
- **METAL**: STEEL-LARGE SCALE; STEEL-SMALL SCALE
- **WOOD**: FINISH; ROUGH; BLOCKING; PLYWOOD-LARGE SCALE
- **INSULATION**: BATT/LOOSE FILL; RIGID; SPRAY/FOAM; CMU INSULATION
- **FINISHES**: ACOUSTICAL TILE; GLASS; CERAMIC TILE; GYPSUM WALLBOARD; METAL LATH AND CEMENT PLASTER
- **PARTITION INDICATIONS**: WOOD STUD; METAL STUD; SHAFT WALL

GENERAL NOTES

1. METAL STUDS UNLESS OTHERWISE NOTED SHALL BE 16 INCHES ON CENTER AND SHALL EXTEND TO THE UNDERSIDE OF THE STRUCTURAL SLAB OR METAL DECK ABOVE AND BE FASTENED THERETO.
2. WALL GRAB BARS, DOOR HARDWARE OR EQUIPMENT ATTACHED TO METAL STUD WALL SHALL BE, UNLESS OTHERWISE INDICATED, ANCHORED TO 2 X 6 PR. TR. WOOD BLOCKING, ANCHORED BETWEEN STUDS. THE BLOCKING SHALL BE CONTINUOUS AND LOCATED ON BOTH TOP AND BOTTOM OF THE HUNG ITEM. VERIFY MOUNTED HEIGHT AND LOCATION.
3. MASONRY BLOCK SHALL EXTEND TO BOTTOM OF STRUCTURE ABOVE UNLESS OTHERWISE INDICATED.
4. MASONRY BLOCK NOT EXTENDING TO STRUCTURE SHALL HAVE CONTINUOUS BOND BEAM AND ANGLE BRACING TO PROVIDE ADEQUATE SUPPORT.
5. MASONRY PARTITIONS BEARING ON FLOOR SLAB SHALL NOT BE INSTALLED UNTIL FLOOR SLAB HAS PROPERLY CURED. PROVIDE ADEQUATE TEMPORARY BRACING FOR ALL MASONRY WALLS DURING CONSTRUCTION.
6. VOIDS AT METAL DOOR FRAMES IN MASONRY WALLS SHALL BE FILLED WITH MORTAR AT WALLS, UNLESS SHOWN OTHERWISE.
7. MASONRY BLOCK EXTERNAL CORNERS EXPOSED TO VIEW SHALL HAVE BULLNOSE CORNERS.
8. VERIFY CONCRETE PAD SIZES WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
9. INTERIOR PARTITION FINISH SHALL EXTEND NOT LESS THAN 6" ABOVE FINISHED CEILING UNLESS WALL IS RATED ASSEMBLY OR OTHERWISE NOTED. WHERE REQUIRED TO EXTEND TO DECK, WALL MATERIAL SHALL FIT TIGHT TO THE CONFIGURATION OF STRUCTURE ABOVE.
10. WHERE RATED DOORS ARE SCHEDULED, PROVIDE LABELS ON DOORS, FRAMES AND ANY GLASS IN TRANSOMS AND SIDE LIGHT AREAS.
11. WHERE ANY EQUIPMENT IS RECESSED IN FIRE RATED PARTITIONS, MODIFY PARTITION AS REQUIRED TO PROVIDE CONTINUOUS ENCLOSURE TO INSURE UNINTERUPTED FIRE RATING.
12. MATERIALS USED THROUGHOUT THE BUILDING SHALL BE RATED NON-COMBUSTABLE.
13. WOOD AND LUMBER THROUGHOUT THE ENTIRE BUILDING, INCLUDING EXPOSED AND CONCEALED BLOCKING, SHALL BE FIRE RETADANT TREATED EXCEPT DECORATIVE PANELS AND HARDWOOD TRIM.
14. PLASTIC LAMINATE SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS.
15. WHERE ADJOINING ROOMS HAVE FINISH FLOORING OF DIFFERENT MATERIALS OR COLORS, MAKE CHANGE UNDER CENTERLINE OF DOOR.
16. ALL EXPOSED WOOD TO BE STAINED AND SEALED FINISH UNLESS NOTED OTHERWISE.
17. COORDINATE CLEARANCES OF DOORS WITH CARPET INSTALLATION, EVEN THOUGH CARPETING IS NOT IN THIS CONTRACT.
18. REFER TO STRUCTURAL DRAWINGS AND SCHEDULES FOR LINTEL INFORMATION, UNLESS NOTED OTHERWISE.
19. ATTACHMENT TO OR PENETRATIONS OF CONCRETE TO BE WATERPROOFED SHALL BE MADE BEFORE APPLICATION OF WATERPROOF MEMBRANE.
20. ALL MECHANICAL AND ELECTRICAL PIPE, CONDUIT, DUCTWORK, ETC., WHICH PENETRATE WALLS SHALL BE COMPLETELY SEALED WITH FLEXIBLE MATERIAL. MATERIAL SHALL BE FIRE RATED AS REQUIRED WHEN PENETRATION IS THROUGH RATED ASSEMBLY. ALL FLOOR PENETRATIONS SHALL BE SEALED FOR 2 HOUR FIRE RATING.

ABBREVIATIONS

A	A.B.	Anchor Bolt
		Acoustic
	A.F.F.	Above Finished Floor
	ALT.	Alternate
	ALUM.	Aluminum
	ANOD.	Anodized
	ARCH.	Architectural
	A.T.C.	Acoustical Tile Ceiling
B	B.C.	Bottom Chord
	B.F.	Both Faces
	BLDG.	Building
	BLKG.	Blocking
	BM.	Beam
	BO. (BOT.)	Bottom
	BOT./ (B./)	Bottom Of
	B.PL.	Base Plate
	BRG.	Bearing
	B.S.	Both Sides
	B. TO B. (B/B)	Back To Back
	B.U.R.	Built Up Roof
	B.W.	Both Ways
C	C.	Channel
	CANT.	Cantilever
	C.B.	Catch Basin
	CEM.	Cement
	CHD.	Chord
	C.I.P.	Cast-In-Place
	C.J.	Control Joint
	CL. (CLR.)	Clear
	CLG.	Ceiling
	C.M.U.	Concrete Masonry Units
	COL.	Column
	CONC.	Concrete
	CONN.	Connection (Connect)
	CONT.	Continuous
	C.T.	Ceramic Tile
	C. TO C. (C/C)	Center to Center
	CTR.	Center
D	DBL.	Double
	DET. (DTL.)	Detail
	D.G.A.	Dense Graded Aggregate
	DIA. (Ø)	Diameter
	DIAG.	Diagonal
	DIM.	Dimension
	D.L.	Dead Load
	DN.	Down
	DP.	Deep
	DWG.	Drawing
	DWLS.	Dowels
E	EA.	Each
	E.E.	Each End
	E.F.	Each Face
	EL.	Elevation
	ELE. (ELEC.)	Electrical
	ELEV.	Elevator
	EMBED.	Embedment
	EQ.	Equal
	EQUIP.	Equipment
	E.W.	Each Way
	E.W.C.	Electric Water Cooler
	EXIST.	Existing
	EXP.	Exposed
	EXT.	Exterior
	EXTR.	Extruded
	E.J.	Expansion Joint
F	F.D.	Floor Drain
	F.E.	Fire Extinguisher
	F.E.C.	Fire Extinguisher Cabinet
	FIN.	Finish
	FL.	Floor
	FLG.	Flange
	FOUND. (FND.)	Foundation
	F.S.	Far Side
	FT.	Feet, Foot
	FTG.	Footing
	F. TO F. (F/F)	Face To Face
G	GA.	Gage (Gauge)
	GALV.	Galvanized
	GR.	Grade
	GR. BM.	Grade Beam
	G.W.B.	Gypsum Wall Board
H	H.C.	Handicapped
	HDW.	Hardware
	H.M.	Hollow Metal
	HORIZ.	Horizontal
	H.P.	High Point
	HR.	Hour
	HT.	Height
I	I.D.	Inside Diameter
	I.F.	Inside Face
	IN.	Inch
	INSUL.	Insulation
	INT.	Interior
J	JAN.	Janitor
	JST.	Joist
	JT.	Joint
K	K.	Kip
L	L.	Angle
	LAV.	Lavatory
	LAM.	Laminated
	LB.	Pound
	LG.	Length (Long)
	L.L.	Live Load
	L.L.H.	Long Leg Horizontal
	L.L.V.	Long Leg Vertical
	LN.	Line
	L.P.	Low Point
	LT.	Left
M	MATL.	Material
	MAX.	Maximum
	MECH.	Mechanical
	MEMB.	Member
	MFG. (MFR.)	Manufacturer
	MIN.	Minimum
	MISC.	Miscellaneous
	MK.	Mark
	MSR'Y.	Masonry
N	N.F.	Near Face
	N.I.C.	Not In Contract
	NO. (#)	Number
	NOM.	Nominal
	N.S.	Near Side
	N.D.	Napkin Disposal
O	O.C.	On Center
	O.D.	Outside Diameter
	O.F.	Outside Face
	OPNG.	Opening
	OS.L.	Outstanding Leg
	O. TO O. (O/O)	Out To Out
	OZ.	Ounce
P	PC.	Precast
	PL.	Plate
	PLAS.	Plaster
	PL. LAM.	Plastic Laminate
	PLYWD.	Plywood
	PROJ.	Projection
	PR. TR.	Preservative Treated
	P.S.F.	Pounds Per Square Foot
	P.S.I.	Pounds Per Square Inch.
	PT.	Point
Q	QTY.	Quantity
R	R.C.M.U.	Reinforced Concrete Masonry Unit
	R.D.	Roof Drain
	REF.	Reference
	REINF.	Reinforced
	REM.	Removable
	REQ. (REQ'D)	Required
	RF.	Roof
	RM.	Room
	R.O.	Rough Opening
	RT.	Right
	R/W	Right of Way
S	S.C.	Solid Core
	SCHED.	Schedule
	SECT.	Section
	SHT.	Sheet
	SIM. TO	Similar To
	S.L.H.	Short Leg Horizontal
	S.L.V.	Short Leg Vertical
	S.L.O.	Short Leg Out
	SPC.	Space
	SPEC.	Specification
	SPL.	Splice
	SQ.	Square
	S.S.	Stainless Steel
	STD.	Standard
	STIFF.	Stiffener
	STL.	Steel
	STR. (STRUCT.)	Structural
	SUPT.	Support
	SUSP.	Suspended
	SYM.	Symmetrical
	S.D.	Soap Dispenser
T	T.	Top
	T/ (T.O.)	Top Of
	TEMP.	Temperature
	THK.	Thick
	THRU.	Through
	T.I.S.	Tenant Improved Space
	T. & G.	Tongue & Groove
	T. & B.	Top & Bottom
	T.O.W.	Top Of Wall
	TYP. (TYP'L)	Typical
	T.D./W.R.	Towel Dispenser/Waste Receptacle
	T.T.D.	Toilet Tissue Dispenser
U	URN.	Urinal
	U/N	Unless Noted
	U.N.O.	Unless Noted Otherwise
V	VERT.	Vertical
	V.T.	Vinyl Tile
W	W/	With
	WD.	Wood
	W.C.	Water Closet
	W.F. (W)	Wide Flange
	W/O	Without
	WT.	Weight
	W.W.M.	Welded Wire Mesh
	W.P.	Waterproof

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
107 B1
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

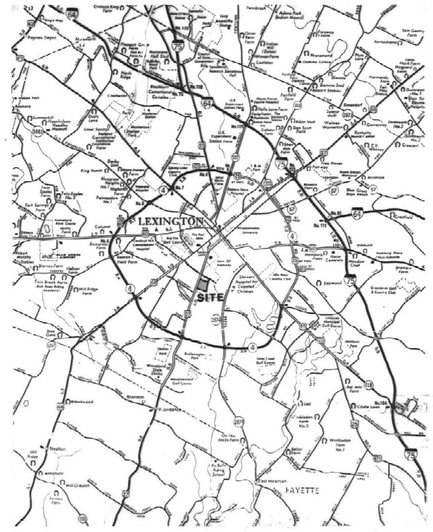
ITEMS ON SHEET: LEGENDS, ABBREVIATIONS, GENERAL NOTES

DRAWN BY T.G.M.
CHECKED BY L.H.A.
DATE 5-28-85
REVISIONS

Cab # 107 Slot B-1 Document # 013612

SHEET NUMBER G1.1

SITE PLAN
SCALE: 1" = 100'-0"



VICINITY MAP
NO SCALE

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 9571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL GIBSON ASSOCIATES REGISTERED NO. 342 1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY: CONSTRUCTION PLANNING UNIVERSITY OF KENTUCKY
DATE: 5/22/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
- AERIAL PHOTO SITE
- VICINITY MAP

DRAWN BY
TGM

CHECKED BY
LHA

DATE
5-28-85

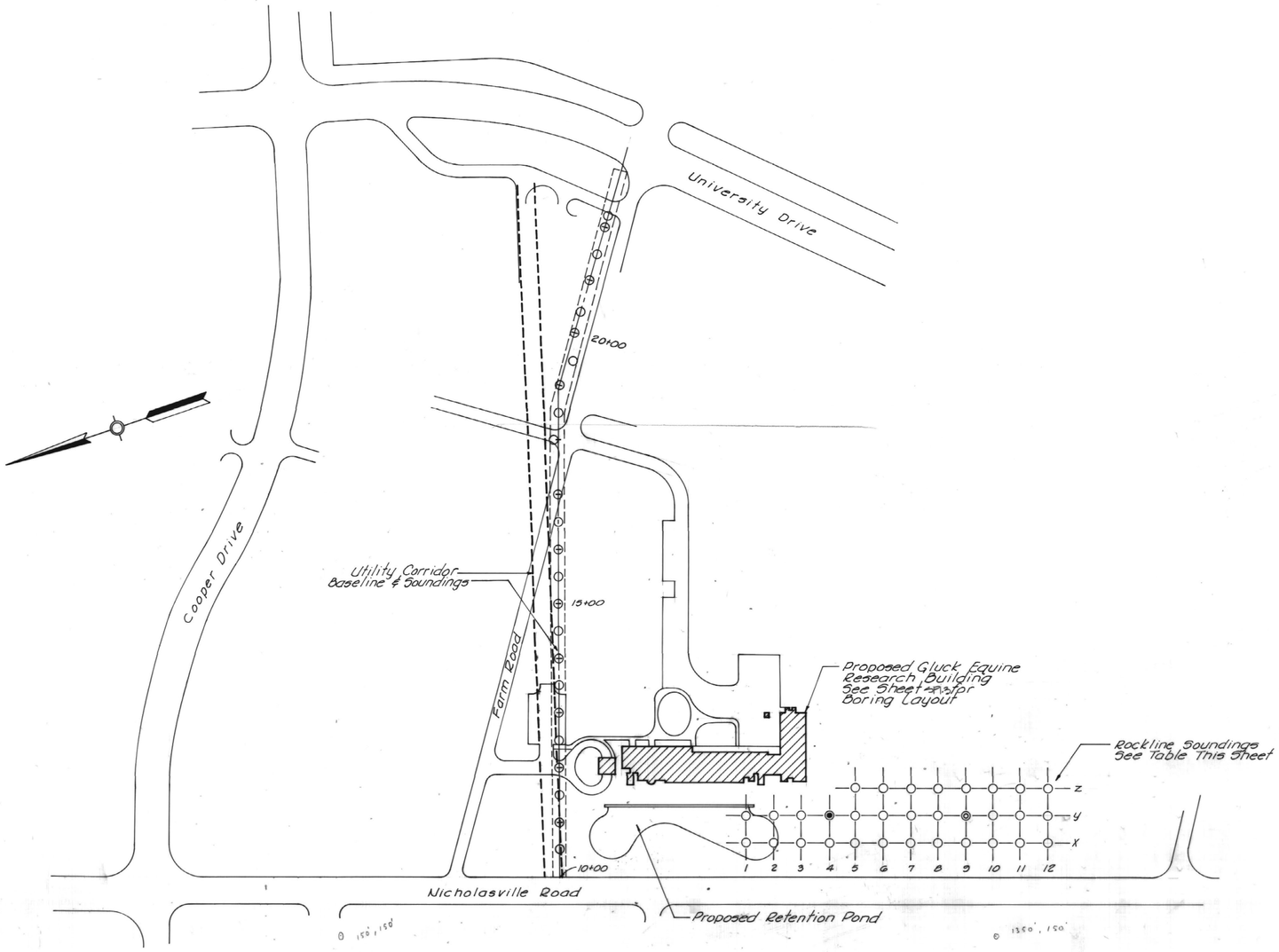
REVISIONS

SHEET NUMBER
SP1.1

8412.01/CD/SPN/5-28-85

NOTE:

THESE SHEETS ARE INCLUDED FOR REFERENCE ONLY.
SEE SPECIFICATIONS: SECTION 02210 - SUBSURFACE EXPLORATION



BORING LAYOUT

scale: 1" = 100'

Source: Site Plan Dated 8-22-1984, Revised 9-11-1984 by:
Bickel Gibson Architects
Louisville, Kentucky

TABULATION OF ROCKLINE SOUNDINGS FUTURE DETENTION POND

Hole No.	Surface Elevation	Depth To Rock	Refusal Elevation
X-1	983.2	8.3	974.9
X-2	983.5	6.3	977.2
X-3	984.1	5.8	978.3
X-4	984.8	5.9	978.9
X-5	985.5	6.1	979.4
X-6	986.3	6.0	980.3
X-7	987.3	6.0	981.3
X-8	988.1	6.8	981.3
X-9	989.0	14.4	974.6
X-10	989.8	16.3	973.5
X-11	990.5	13.4	977.1
X-12	990.1	12.4	977.7
Y-1	983.7	6.0	977.7
Y-2	984.3	6.3	978.0
Y-3	984.8	6.0	978.8
Y-4	985.5	5.7	979.8
Y-5	986.3	5.7	980.6
Y-6	987.2	5.6	981.6
Y-7	988.0	6.0	982.0
Y-8	988.7	11.9	976.8
Y-9	989.8	8.0	981.8
Y-10	990.6	8.8	981.8
Y-11	991.3	11.6	979.7
Y-12	991.0	12.5	978.5
Z-5	987.1	5.3	981.8
Z-6	987.9	5.4	982.5
Z-7	988.5	5.7	982.8
Z-8	989.3	6.9	982.4
Z-9	990.1	7.1	983.0
Z-10	991.0	8.0	983.0
Z-11	991.7	11.3	980.4
Z-12	991.2	11.2	980.0

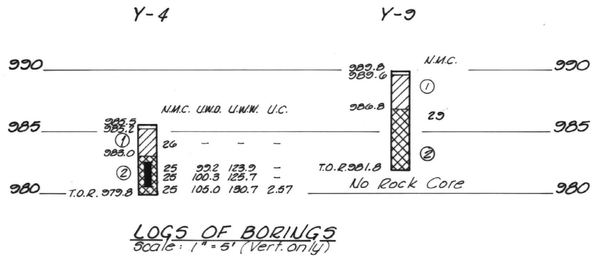
TABULATION OF ROCKLINE SOUNDINGS (UTILITY CORRIDOR)

Sta. No.	Offset	Surface Elevation	Depth To Rock	Refusal Elevation
10+50	-	988.4	6.0	982.4
11+00	-	988.4	4.6	983.8
11+50	-	988.1	10.5	977.6
12+00	-	988.7	5.7	983.0
12+50	-	989.1	5.9	983.2
13+00	-	989.1	10.3	978.8
13+50	-	989.5	5.6	983.9
14+00	-	989.6	7.7	981.9
14+50	-	990.4	7.5	982.9
15+00	-	991.6	6.1	985.5
15+50	-	992.6	5.2	987.4
16+00	-	993.7	5.0	988.7
16+50	-	994.6	5.8	988.8
17+00	-	996.8	6.9	989.9
18+00	9.5'Lt.	999.9	5.5	994.4
18+50	-	1001.5	5.6	995.9
19+00	-	1001.7	5.6	996.1
19+50	11.0'Rt.	1003.5	5.0	998.5
20+00	-	1004.1	4.7	999.4
20+40	-	1005.0	5.3	999.7
21+00	-	1004.7	4.7	1000.0
21+50	-	1005.5	7.4	998.1
22+00	-	1005.7	5.1	1000.6
22+22	-	1005.8	5.6	1000.2

SOIL SUMMARY

SAMPLE NO.		X11	X6
STATION		Composite	Composite
OFFSET			
DEPTH		Varies	Varies
Composition of Total Sample	GRAVEL (-3" + No. 4)	0	2
	SAND (-No. 4 + No. 200)	31	23
	SILT (-No. 200 + 0.005 mm)	25	27
	CLAY (-0.005 mm)	38	46
LIQUID LIMIT		44	49
PLASTIC LIMIT		22	20
PLASTICITY INDEX		22	26
ACTIVITY INDEX		0.6	0.6
SPECIFIC GRAVITY		2.80	2.73
AASHTO CLASSIFICATION		A-7-6(12)	A-7-6(18)
UNIFIED CLASSIFICATION		CL	CL
CALIF. BEARING RATIO		-	-
MAXIMUM DRY DENSITY (pcf)		101.5	98.6
OPTIMUM MOISTURE (%)		22.8	23.7

* Values from Preliminary Geotechnical Investigation of April, 1984



LOGS OF BORINGS

scale: 1" = 5' (Vert. only)

LEGEND (Sheets 1 and 2)

- Rockline Sounding
- Soil Boring with Disturbed Sampling and Rock Core
- Soil Boring with Undisturbed (Thin-walled Shelby Tube) Sampling
- Soil Boring with Undisturbed (Thin-walled Shelby Tube) Sampling and Rock Core
- N.M.C. Natural Moisture Content (%)
- U.W.D. Unit Weight Dry (lbs./cu.ft.)
- U.W.W. Unit Weight Wet (lbs./cu.ft.)
- U.C. Unconfined Compressive Strength (tons/sq.ft.)
- T.O.R. Top of Rock
- R Auger Refusal
- Undisturbed (Thin-walled Shelby Tube) Sample
- ① Silty Clay, dark brown, with gray mottling, moist, medium to stiff, with manganese concretions throughout
- ② Silty Clay, brown to dark brown, with gray mottling, moist, medium to stiff
- Limestone, light to medium gray, fine to medium grained, cross bedded in part with scattered shale partings, very hard, medium bedded
- Calcareous Shale, dark gray, very hard
- Argillaceous Limestone, dark gray, fine grained, very hard
- R.Q.D. Rock Quality Designation (%)
- Rec. Core Recovery (%)
- Topsoil

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY [signature]
DIRECTOR OF DIVISION AND UNIVERSITY ARCHITECT
UNIVERSITY OF KENTUCKY
DATE: 5/27/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
GEOTECHNICAL EXPLORATION #1

DRAWN BY
CHECKED BY
DATE 5-22-85
REVISIONS

FULLER, MOSSBARGER, SCOTT & MAY
CIVIL ENGINEERS, INC.
1315 LEESTOWN ROAD, LEXINGTON, KENTUCKY
PHONE (606) 233-0574

CRAIG M. AVERY 10885 REGISTERED PROFESSIONAL ENGINEER STATE OF KENTUCKY

DRAWN BY JB | DATE DEC., 1984 | REVISED
CHECKED BY HRA | SCALE As Noted | 1 | 3
CHECKED BY CMA | PROJECT NO. 84250 | 2 | 4
SHEET 1 of 2

GEOTECHNICAL EXPLORATION
University of Kentucky
Lexington Kentucky

approved by
director - design and construction division date

project no. | date | file no. | dr by | ck by | revision | drawing no.

SHEET NUMBER SP1.2

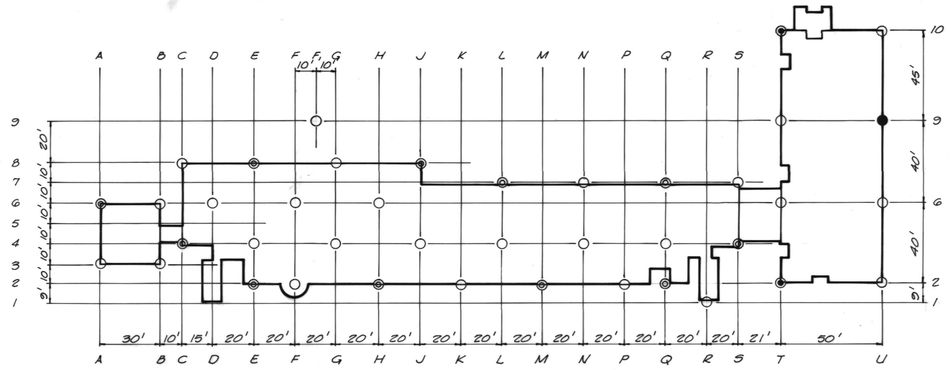
Cab # Slot Document # 01644 B-1 107

8412.01/CD/SP.2/5-28-85

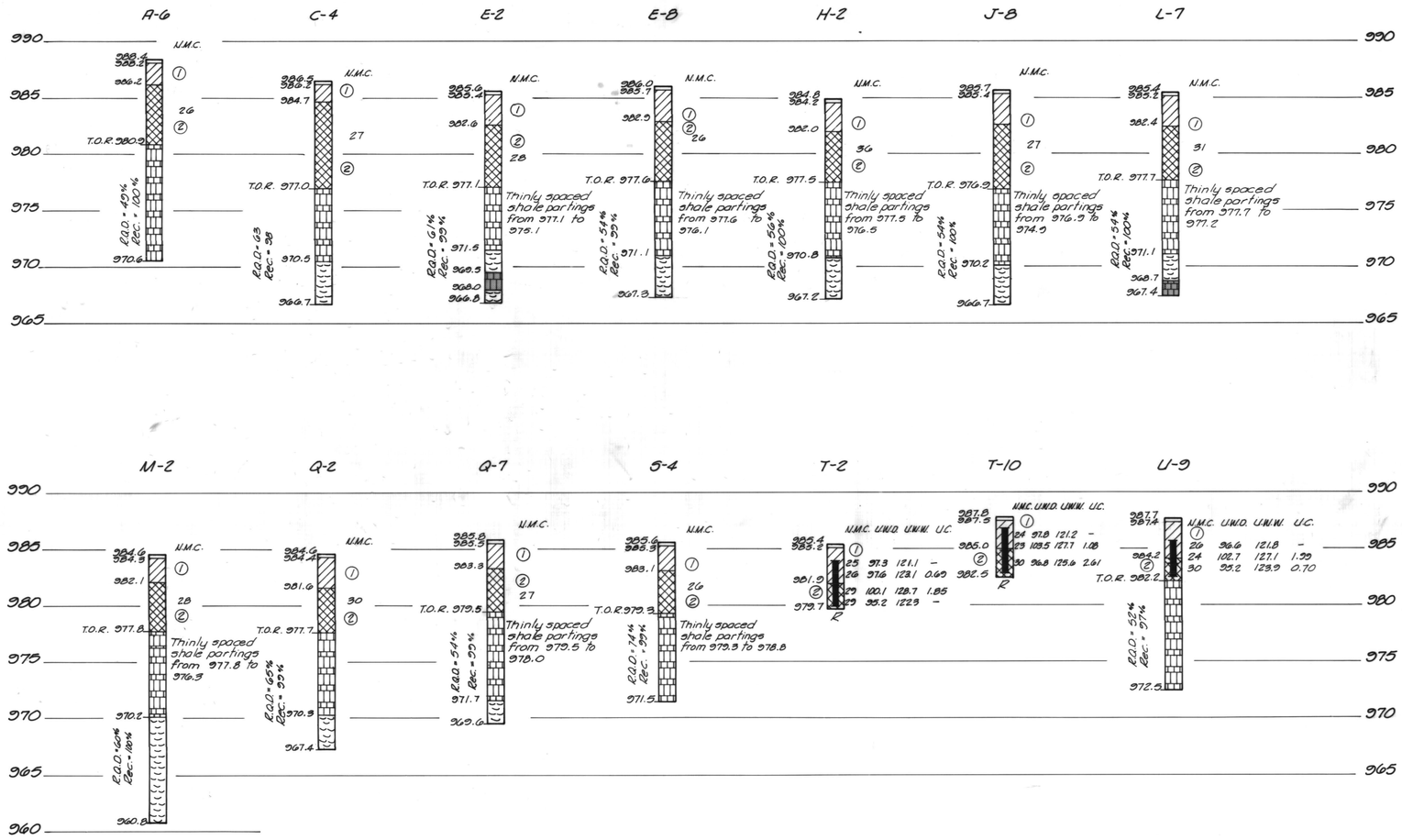
NOTE:
THESE SHEETS ARE INCLUDED FOR REFERENCE ONLY.
SEE SPECIFICATIONS: SECTION 02010 - SUBSURFACE EXPLORATION

TABULATION OF ROCKLINE SOUNDINGS

Hole No.	Surface Elevation	Depth To Rock	Refusal Elevation
A-3	987.3	9.8	977.5
B-3	986.4	9.8	976.6
B-6	986.8	8.1	978.7
C-8	986.8	6.2	980.6
D-6	986.2	10.5	975.7
E-4	985.6	8.2	977.4
F-2	985.2	7.0	978.2
F-6	985.4	8.4	977.0
FI-9	985.9	7.5	978.4
G-4	985.1	7.3	977.8
G-8	985.5	8.5	977.0
H-6	985.2	7.7	977.5
J-4	984.9	7.2	977.7
K-2	984.7	6.9	977.8
L-4	985.0	6.6	978.4
N-4	984.9	6.8	978.1
N-7	985.5	7.0	978.5
P-2	984.5	6.2	978.3
Q-4	985.2	6.9	978.3
R-1	984.9	6.7	978.2
S-7	986.2	6.0	980.2
T-6	986.4	5.9	980.5
T-9	987.0	5.6	981.4
U-2	985.7	5.8	979.9
U-6	986.8	4.8	982.0
U-10	988.4	5.1	983.3



BORING LAYOUT
Gluck Equine Research Bldg.
Scale: 1"=30'



LOGS OF BORINGS
Scale: 1" = 5' (Vert. only)

SOIL SUMMARY

SAMPLE NO.		1	2
STATION		Composite	Composite
OFFSET			
DEPTH		Varies	Varies
Composition of Total Sample	GRAVEL (-3" + No. 4)	6*	4*
	SAND (-No. 4 + No. 200)	31*	23*
	SILT (-No. 200 + 0.005 mm)	25*	27*
	CLAY (-0.005 mm)	36*	46*
LIQUID LIMIT		44*	46*
PLASTIC LIMIT		22*	20*
PLASTICITY INDEX		22*	26*
ACTIVITY INDEX		0.6*	0.6*
SPECIFIC GRAVITY		2.80*	2.73*
AASHTO CLASSIFICATION		*A-7-6(12)	*A-7-6(18)
UNIFIED CLASSIFICATION		CL*	CL*
CALIF. BEARING RATIO			
MAXIMUM DRY DENSITY (pcf)		101.5	98.6
OPTIMUM MOISTURE (%)		22.3	23.7

* Values from Preliminary Geotechnical Investigation of April, 1984

RECORD DRAWINGS
DATE NOV. 13, 87

CRAIG M. AVERY 10865 REGISTERED PROFESSIONAL ENGINEER
STATE OF KENTUCKY

FULLER, MOSSBARGER, SCOTT & MAY
CIVIL ENGINEERS, INC.
1315 LEESTOWN ROAD, LEXINGTON, KENTUCKY
PHONE (606) 233-0574

DRAWN BY JB | DATE DEC., 1984 | REVISED | SHEET
CHECKED BY HRA | SCALE As Noted | 1 | 3 | 2 of 2
CHECKED BY CMA | PROJECT NO. 84250 | 2 | 4

GEOTECHNICAL EXPLORATION
University of Kentucky
Lexington Kentucky

approved by
director - design and construction division — date

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2851 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION, UNIVERSITY OF KENTUCKY — DATE: 5/22/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01
ITEMS ON SHEET
- GEOTECHNICAL EXPLORATION #2

DRAWN BY
CHECKED BY
DATE 5-20-85
REVISIONS

SHEET NUMBER **SP1.3**

Cab # Slot Document # 01 3415

8412.01/CD/SP1.3/5-28-85

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS — STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC. — MECHANICAL AND ELECTRICAL ENGINEERS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION, UNIVERSITY OF KENTUCKY — DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER

COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

TITLE ON SHEET: SITE PLAN, SITE DETAILS

DRAWN BY: TGM

CHECKED BY: LHA

DATE: 5-28-85

REVISIONS

SHEET NUMBER **SP1.4**

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2845 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY DIRECTOR OF DESIGN AND CONSTRUCTION UNIVERSITY OF KENTUCKY
DATE: 5/29/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCK, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET
SITE SURVEY
SITE DETAIL

DRAWN BY

CHECKED BY

DATE
5-28-85

REVISIONS

SHEET NUMBER
SP1.4

Cab. Slot Document # 10/30/87 107 B-1

STATE OF KENTUCKY
WESLEY B. WITT
2187
REGISTERED
LAND SURVEYOR

RECORD DRAWINGS
DATE NOV. 13, 87

Senior Citizens Center
Fin. Fl. Elev. 987.60

STADIUM ROAD "B"

SHAWNEETOWN DRIVE Baseline T

See Sheet No SP1.4

20' Waterline Easement

16" Conc. W.L. (Approx. Loc)

10" H.P.G.M.

Baseline

Right of Way & Back of S.W.

4.5" Conc. Walk

6" H.P.G.

Conc. Bench

Conc. Curb & Gutter

Ex. Gas Lines

Ex. Water Lines

B.M. #4

Meter Vault

Fire Hyd.

Sign

Signal Pole

Power & T-CATV

Tele.

Air Valve #1-0

Curb Inlet T/G 81.07 Inv. 77.09

Conc. Walk

Gas Regulator Bldg.

Conc. Utility Box

Standing M.H.

Gate

San. M.H. T/R 82.32 Inv. 78.02

San. M.H. T/R 80.69 Inv. 73.77

San. M.H. T/R 81.10 Inv. 76.80

8" PVC San.

12" Conc. W.L.

24" Maple

6" Conc. Pipe

Catalpa 12"

R/W

96'

B.M. #4 - chiseled Square on Corner of Meter Vault - Elev. 986.70

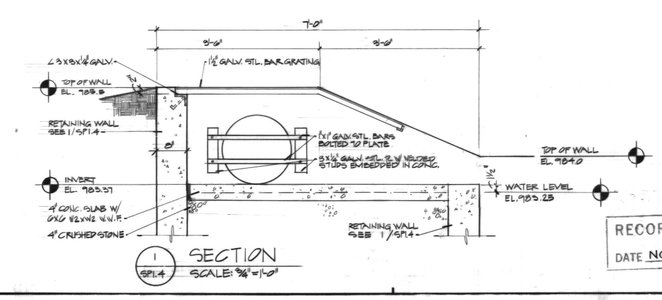
℄ Nicholasville Road

NICHOLASVILLE ROAD U.S. 27

5+42.77 @ 1
5+00.00 @ 7

MATCH LINE

990 985 980 990



1 SP1.4 SECTION
SCALE: 3/4" = 1'-0"

1" = 20'

8412.01/CD/SP1-5/5-29-85

MATCH LINE

See Sheet № SP1.7

San. Manhole T/R-999.35 Inv.- 990.6

San. M.H.

San. M.H. T/R 03.23 Inv. 90.13

San. M.H. T/R 03.16 Inv. 99.28

12+50.28 @ 3 Hub & Tack

100°30'50"

15" Maple

18+44.88 @ 2= 11+52.00 @ 3 P.K. Nail

GRASS DIVIDER. REMOVE ASPHALT PAVEMENT AS REQ'D. PATCH ASPHALT TO PROVIDE SMOOTH EDGES

Asphalt Parking

V BOTTOM DITCH

REMOVE EX. TREES

Baseline 1

REMOVE ASPHALT PAVEMENT FOR CONSTRUCTION OF V BOTTOM DITCH. PATCH AS REQ'D TO PROVIDE SMOOTH EDGE

EDGE OF EXISTING ASPHALT PAVEMENT

LIMITS OF UTILITY CORE: 002 35'-01

4" Maple

4" Dgwd

4" Pine

10" Pine

6" Pine

6" Tulip

EQUATION: 7+07.00 Bk. = 7+50.00 Ahd. Hub & Tack

105°55'30"

Air Valve

B.M. #2 - R.R. Spike 18" Up in P.P. - Elev. 999.57

B.M. #2

16+71.90 @ 2= 18+29.87 @ 6 Hub & Tack

6+30.00 @ 3= 14+00.00 @ 6 Hub & Tack

ELL HDWL INLET T/24

INV 7.00

CONSTRUCT END ANCHOR

18" R.C.P.

Baseline 2

995

990

Baseline 3

FARM ROAD (Asphalt)

4" Elec. (Approx. Loc.)

4+65.16 @ 2= 19+82.22 @ 6 Hub & Tack

4+50.00 @ 3= 14+00.00 @ 6 Hub & Tack

WHEEL STOP BLOCK (TYP.) SEE DETAIL THIS SHT.

ASPHALT PAVEMENT

11 SPACES @ 10'-0" = 110'-0"

2 SPACES @ 12'-0" = 24'-0"

11 SPACES @ 10'-0" = 110'-0"

21'-0" 24'-0" 18' MIN.

44'-0" 101'-0" 75'-0"

SDP RIM: 88.00 INV. 84.35

SDP RIM: 87.92 INV.: 84.71

N.C.

R=4'

R=16'

R=10'

R=10'

TO EDGE OF ASPHALT PAVEMENT

TO FACE OF BLDG. (NO)

102'-0"

MATCH LINE

See Sheet № SP1.4

See Sheet № SP1.4

STRAIGHT OR VARIED CROSS SLOPE WITH CONC. CURB

SEE PLAN FOR ROADWAY WIDTH

FACE OF CURB

CONC. CURB, SEE DETAIL

SLOPE AS ON GRADING PLAN

4% ROAD GRADE POINT

ASPHALT SURFACING

CONC. WALK OR GROUND LINE, SEE PLAN

FOR PAVEMENT DETAILS, SEE TYPICAL PAVEMENT SECTION

SYMMETRICAL ABOUT ℄

NOTE: FOR FINISH GRADES & SLOPES, SEE GRADING PLAN

TYPICAL ROAD SECTION AT ENTRANCE

NO SCALE

NORMAL CROWN

ROADWAY WIDTH - SEE PLAN

2'-0" 2'-0"

ASPHALT SURFACING

4% ROAD GRADE POINT

SLOPE .02

CROSS SLOPE: .02

SYMMETRICAL ABOUT ℄

FOR PAVEMENT DETAILS, SEE TYPICAL PAVEMENT SECTION

NOTE: FOR FINISH GRADES & SLOPES SEE GRADING PLAN

TYPICAL ROAD SECTION AT REAR DRIVE

NO SCALE

TOP OF PAVING

#3 REBAR @ 4' MAX. BEG 6" FROM EACH END. REBAR ½ # FILL WITH EPOXY

#3 REBAR

6' LONG CONC. WHEEL STOP

TYPICAL WHEEL STOP BLOCK

SCALE: 1½"=1'-0"

RECORD DRAWINGS

DATE NOV. 13, 87

1" = 20'

8412.01/CD/SP1.6/5-28-85

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 0571

WHITE, WALKER & MCREYNOLDS CONSULTING ENGINEERS
2001 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 3431116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY: JOSEPH D. BICKEL, JR. DIRECTOR OF CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

ITEMS ON SHEET
SITE PLAN - EXIST'G & PROPOSED GRADES, IMPROVEMENTS

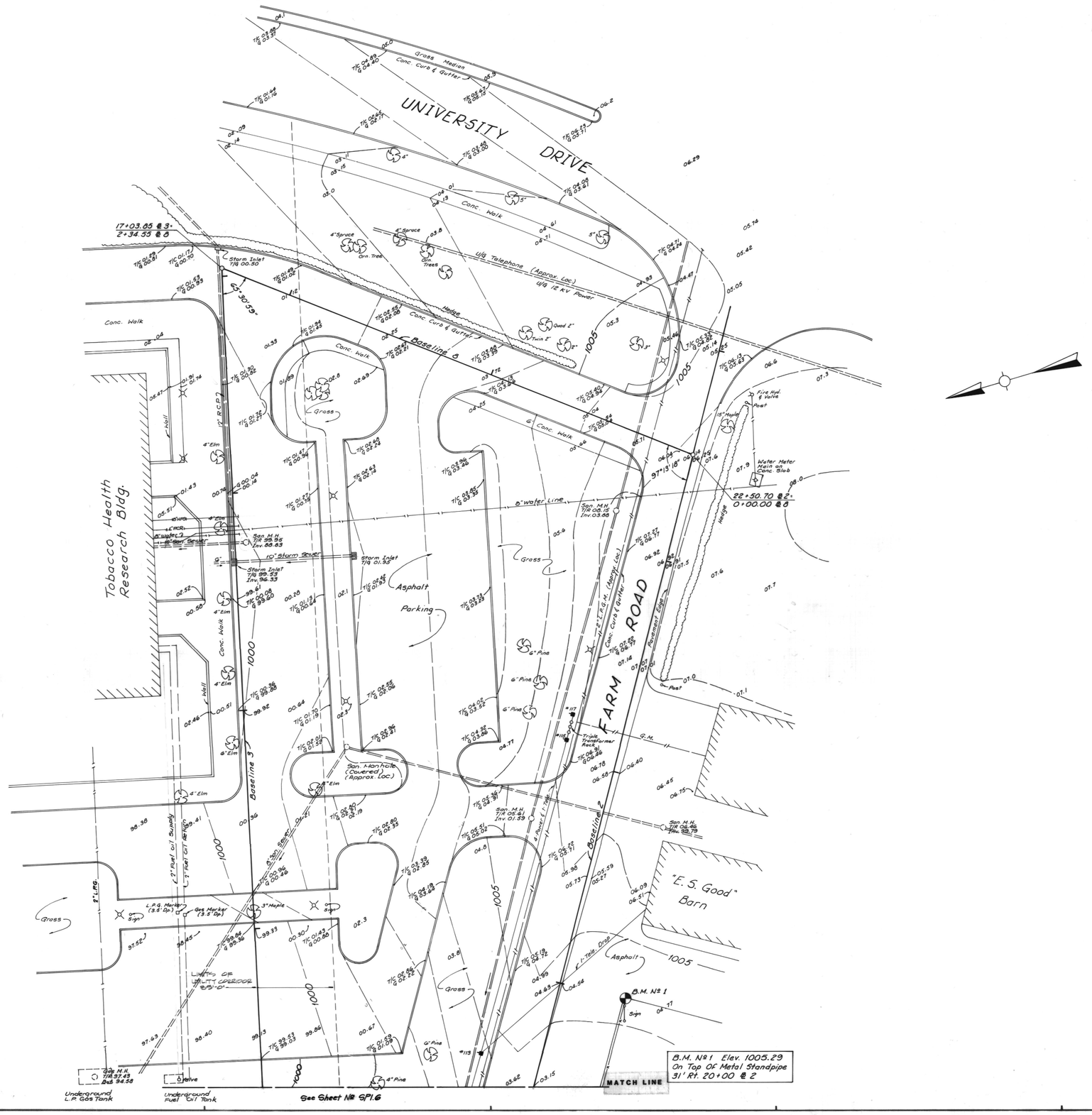
DRAWN BY TGM, LHA
CHECKED BY LHA, PF
DATE 5-28-85

REVISIONS

Cab # Slot Document # 107 B-1 613418

SHEET NUMBER SP1.6

STATE OF KENTUCKY WESLEY G. WITT 2197 REGISTERED LAND SURVEYOR



BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502 587 0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
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800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY: [signature]
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER
8412.01

ITEMS ON SHEET

DRAWN BY

CHECKED BY

DATE
5-28-85

REVISIONS

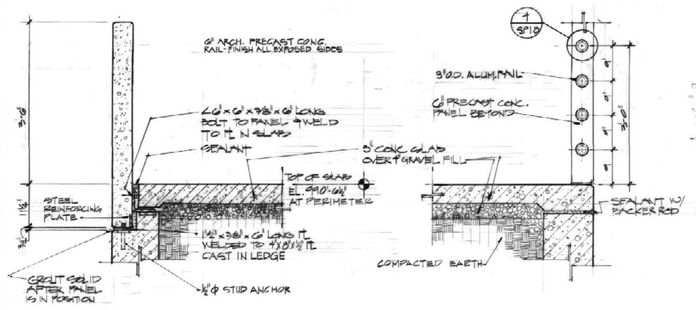
STATE OF KENTUCKY
WESLEY B. WITT
2187
REGISTERED
LAND SURVEYOR

RECORD DRAWINGS
DATE NOV. 13, 87

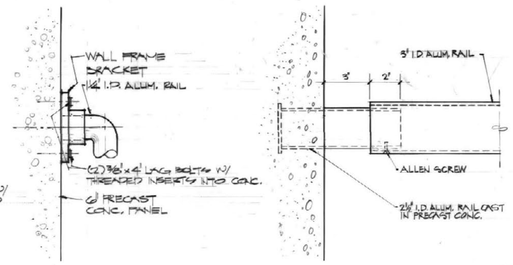
SHEET NUMBER
SP1.7

1" = 20'

8412.01/CD/SP1.7/5-28-85



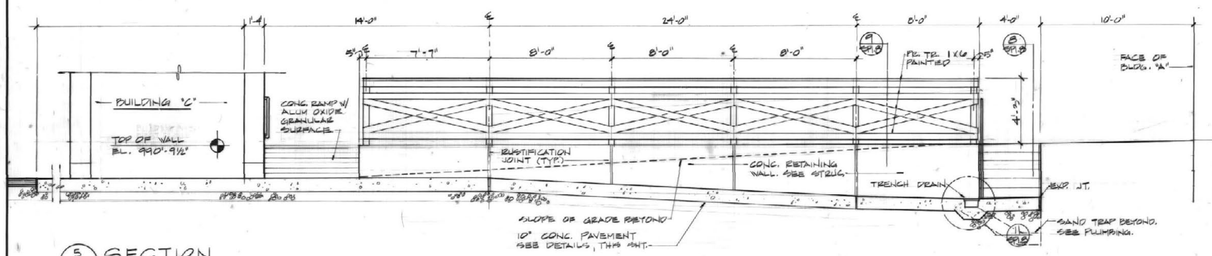
1 SP1.8 SECTION
SCALE: ¾" = 1'-0"



2 SP1.8 DETAIL
SCALE: 3" = 1'-0"

3 SP1.8 DETAIL
SCALE: 3" = 1'-0"

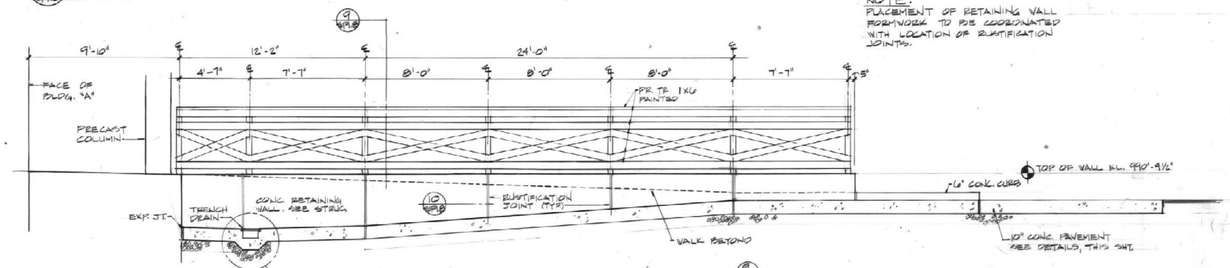
4 SP1.8 DETAIL
SCALE: 3" = 1'-0"



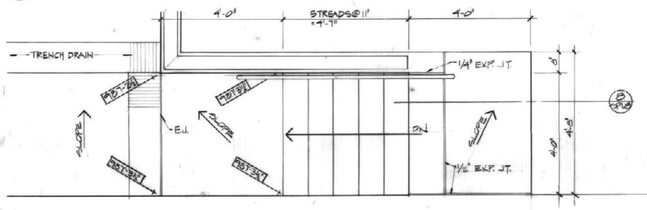
5 SP1.8 SECTION
SCALE: ⅛" = 1'-0"

CONC. RAMP W/ ALUM. OXIDE GRANULAR SURFACE FULL RAMP LENGTH

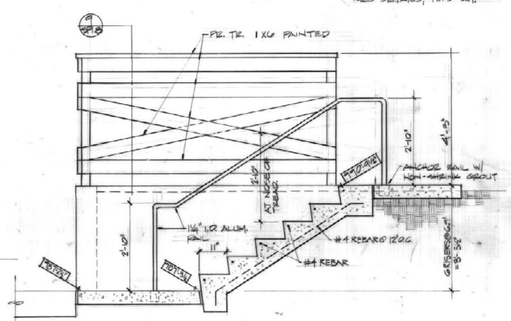
NOTE:
PLACEMENT OF RETAINING WALL FORMWORK TO BE COORDINATED WITH LOCATION OF EXPANSION JOINTS.



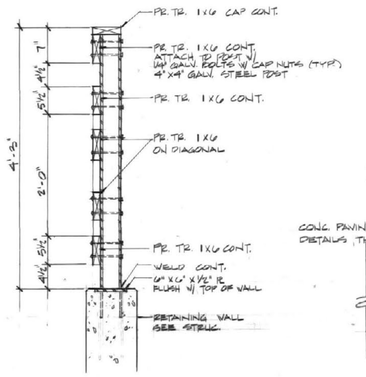
6 SP1.8 SECTION
SCALE: ¼" = 1'-0"



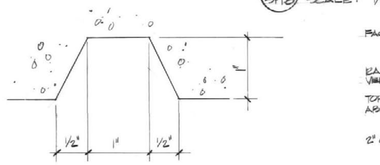
7 SP1.8 ENLARGED STAIR PLAN
SCALE: ½" = 1'-0"



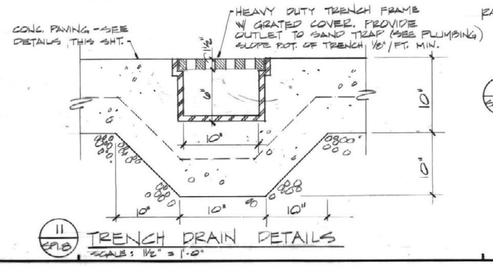
8 SP1.8 STAIR SECTION
SCALE: ½" = 1'-0"



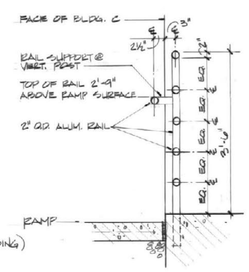
9 SP1.8 FENCE SECTION
SCALE: 1" = 1'-0"



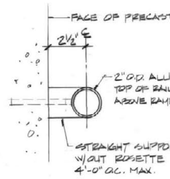
10 SP1.8 RUSTIFICATION DETAIL
FULL SCALE



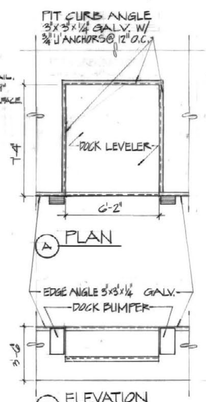
11 SP1.8 TRENCH DRAIN DETAILS
SCALE: ½" = 1'-0"



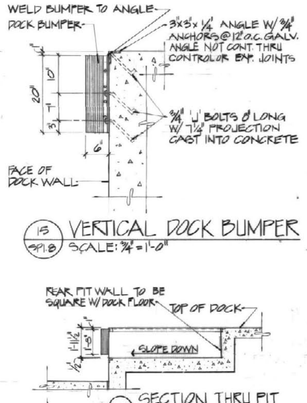
12 SP1.8 RAIL SECTION
SCALE: 3/4" = 1'-0"



13 SP1.8 DETAIL
SCALE: 3" = 1'-0"



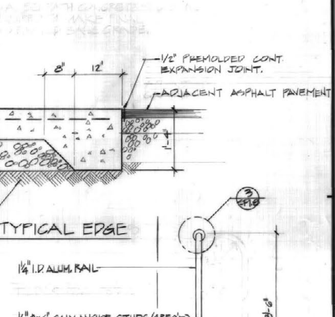
14 SP1.8 DOCK LEVELER DETAILS
SCALE: ¼" = 1'-0"



15 SP1.8 VERTICAL DOCK BUMPER
SCALE: ¾" = 1'-0"

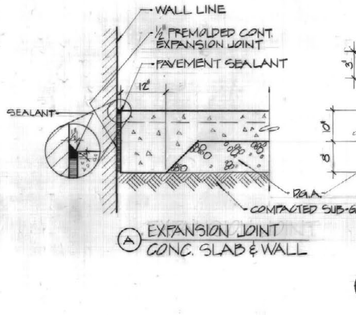
16 SP1.8 DOCK LADDER DETAILS
SCALE: ¾" = 1'-0"

NOTE
ALL ITEMS OF DOCK STEPS & RAIL TO BE GALVANIZED AFTER FABRICATION.



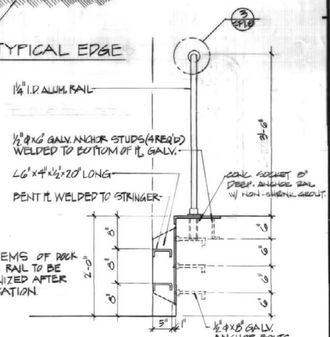
12 SP1.8 SERVICE DOCK AREA
SCALE: 1/8" = 1'-0"

13 SP1.8 BOLLARD DETAILS
SCALE: ½" = 1'-0"



A EXPANSION JOINT CONC. SLAB & WALL
B CONTROL JOINT
C EXPANSION JOINT
D TYPICAL EDGE

14 SP1.8 CONCRETE PAVING DETAILS
NO SCALE



15 SP1.8 DOCK LADDER DETAILS
SCALE: ¾" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502/587-8371

BICKEL - GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

230.1

APPROVED BY: UNIVERSITY OF KENTUCKY CONSTRUCTION DIVISION, UNIVERSITY OF KENTUCKY
DATE: 5/29/85

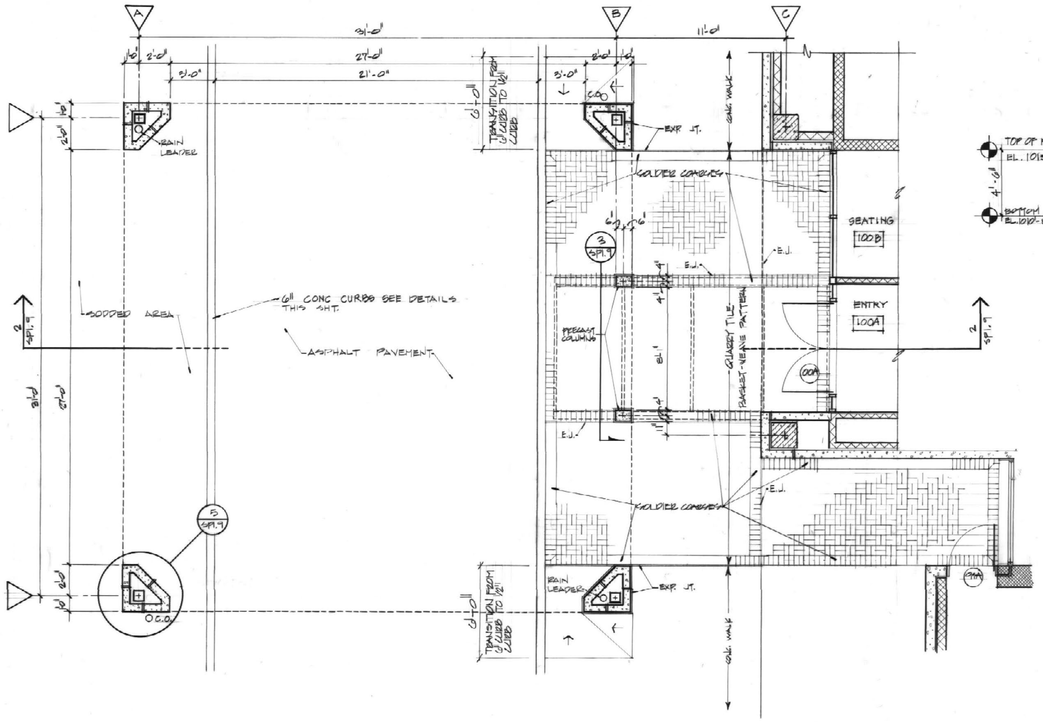
THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER: 8412.01
ITEMS ON SHEET:
SERVICE DOCK AREA PLAN
DETAILS

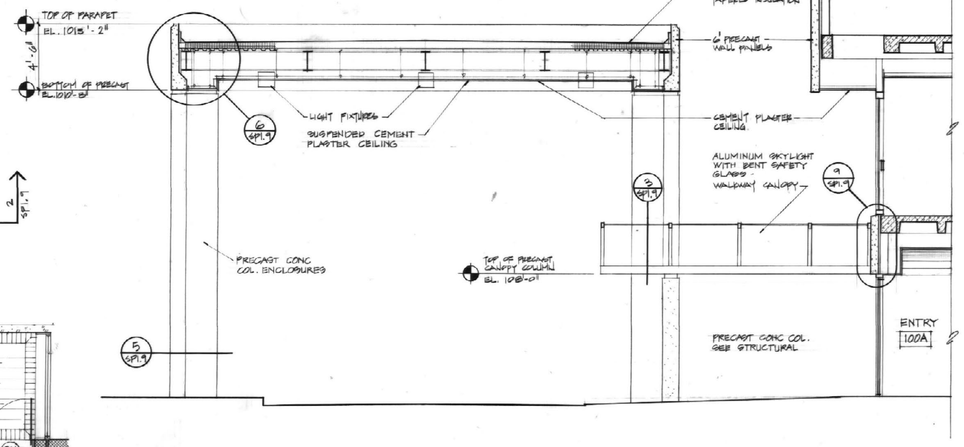
DRAWN BY: T&M
CHECKED BY: LHA
DATE: 5-28-85
REVISIONS:

SHEET NUMBER: SP1.8

8412.01/CD/SP1-8/5-28-85



1 EXTERIOR ENTRANCE PLAN
SCALE: 1/4" = 1'-0"



2 EXTERIOR ENTRANCE SECTION
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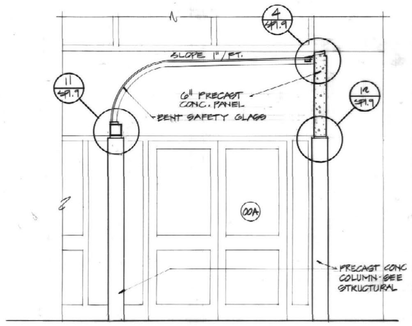
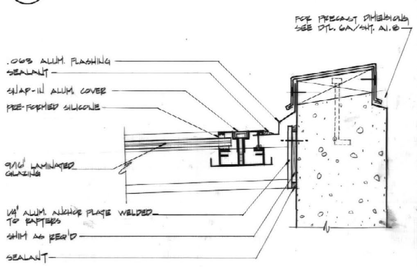
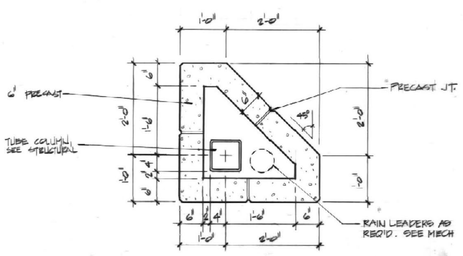
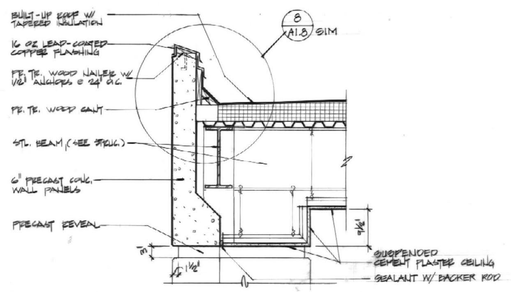


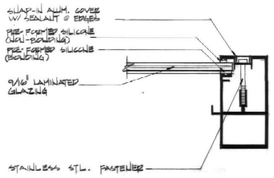
3 SP1.9 WALKWAY CANOPY SECTION
SCALE: 3/8" = 1'-0"



4 SP1.9 HEAD DETAIL
SCALE: 3" = 1'-0"







8 SP1.9 EXTERIOR ENTRANCE REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

5 SP1.9 COLUMN DETAIL
SCALE: 3/4" = 1'-0"

6 SP1.9 PARAPET DETAIL
SCALE: 3/4" = 1'-0"

7 SP1.9 END RAFTER DETAIL
SCALE: 3" = 1'-0"

16 SP1.9 CONCRETE WALK & CURB DETAIL
SCALE: 1 1/2" = 1'-0"

15 SP1.9 CONCRETE CURB DETAIL
SCALE: 1 1/2" = 1'-0"

14 SP1.9 DETAIL @ HANDICAP CURB
SCALE: 1/4" = 1'-0"

13 SP1.9 QUARRY TILE DETAIL
SCALE: 1 1/2" = 1'-0"

12 SP1.9 DETAIL
SCALE: 3" = 1'-0"

RECORD DRAWINGS
DATE NOV. 13, 87

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
305 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502/587-0571

WHITE, WALKER & MCREYNOLDS CONSULTING ENGINEERS
1045 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40502
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

BICKEL GIBSON ASSOCIATES REGISTERED NO. 343-1116 COMMONWEALTH OF KENTUCKY ARCHITECTS

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY [signature] DIRECTOR, CENTER FOR DESIGN AND CONSTRUCTION, UNIVERSITY OF KENTUCKY DATE: 5/28/85

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8418.01

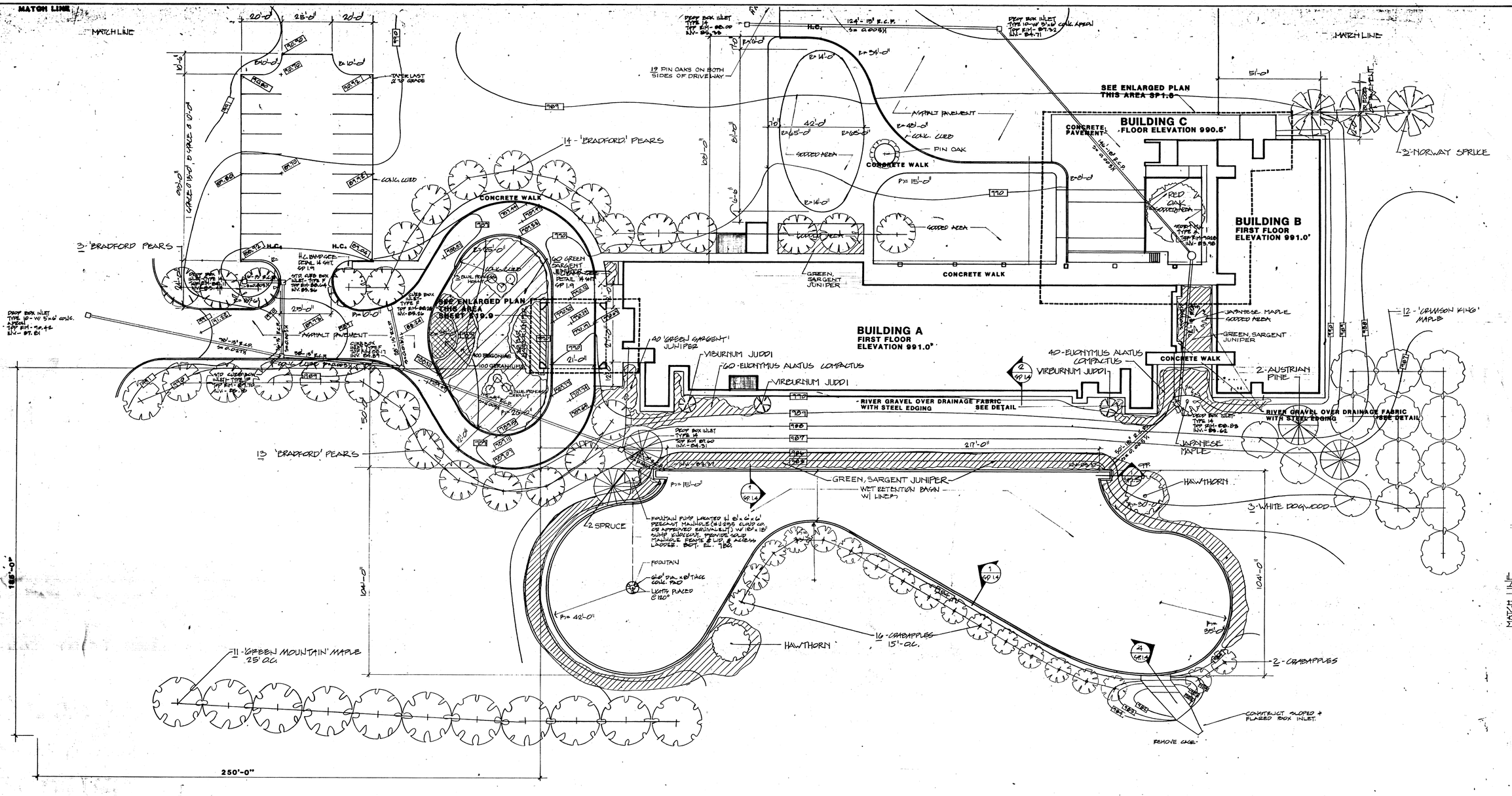
ITEMS ON SHEET
EXTERIOR ENTRANCE PLANS, ELEVATION & DETAILS
WALKWAY CANOPY DETAILS

DRAWN BY MPH TGM
CHECKED BY LHA
DATE 5-28-85
REVISIONS

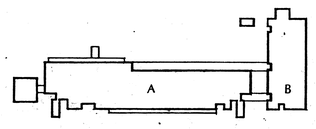
SHEET NUMBER SP1.9

Cabinet Slot Document

8418.01\CD\SP1.9 5-28-85



KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
	18		WHITE CRABAPPLE SNOWDRIFT	2" D 15' O.C.		
	11		'GREEN MOUNTAIN' MAPLE	2" D. - 6' BRANCHING		
	2		YELLOWWOOD	6" D -		
	28		BRADFORD PEAR (FURNISHED BY UNIVER)	3" D - -		28 PEARS SUPPLIED BY UNIVERSITY
	4		WHITE PINE	8'-10' HIGH		
	200		GREEN SARGENT JUNIPER	18"-24"		
	30		BAR HARBOR JUNIPER	18"-24"		
	500		MIXED ANNUALS 100 RED GERANIUM 400 BRONZE LEAF BEGONIA			
	600		JUNIPER, BROADMORE	15"-18"		
	3	VERBURNUM JUDDI	VIBURNUM	30"-36"		
	100	EUONYMUS ALATUS COMPACTUS	BURNING BUSH, DWARF	18"-24"		
	2		JAPANESE MAPLE 'BLOODGOOD'	6' BALL & BURLAP		
	3		WHITE DOGWOOD	8'-10' H		
	12		'CRIMSON KING' MAPLE	3" D -		
	3		NORWAY SPRUCE	8'-10' H		
	1		RED OAK	6"-7" D -7' BRANCHING		
	6		BLUE PRINCESS HOLLY	7 GAL. CONTAINERS		
	20	QUERCUS BOREALIS 'RUBRA'	PIN OAK	3" D		LOCATE ALONG REAR ACCESS DRIVE



KEY PLAN

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
101 McDOWELL BUILDING
325 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502 587 8191

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2601 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40502
STRUCTURAL ENGINEER

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL/ELEC.
SUBCONSULTANTS

UNIVERSITY PROJECT NUMBER 230

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

PROJECT NUMBER 8412.01

DRAWN BY K.P.
CHECKED BY J.S.
DATE JUNE 2, 88

REVISIONS

Calib # Size Document # 013022 B-1 107

SHEET NUMBER SP 1.10

THE MAXWELL H. GLUCK
EQUINE RESEARCH CENTER

PROJECT NUMBER 230.1

CONSTRUCTION DOCUMENTS

UNIVERSITY OF KENTUCKY, LEXINGTON CAMPUS

BICKEL-GIBSON ASSOCIATES ARCHITECTS, INC.
505 SOUTH THIRD STREET LOUISVILLE, KENTUCKY 40202

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

WHITE, WALKER AND MCREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

RECORD DRAWING JUNE, 1988

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UM1.2 SITE PLAN - MECHANICAL
UM1.3 SITE PLAN - MECHANICAL
UM1.4 SITE DETAILS - MECHANICAL
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M1.2 FIRST FLOOR - NORTH - MECHANICAL
M1.3 FIRST FLOOR - SOUTH - MECHANICAL
M1.4 SECOND FLOOR - NORTH - MECHANICAL
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M1.6 THIRD FLOOR - SOUTH - MECHANICAL
M1.7 FOURTH FLOOR - NORTH - MECHANICAL
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M1.9 PENTHOUSE PLANS - BUILDING "A" - MECHANICAL
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M2.4 CONTROL SCHEMATICS - MECHANICAL
M2.5 CONTROL SCHEMATICS - MECHANICAL
• M2.6 BUILDING "A" AND "B" STEAM AND CHILLED WATER RISER DIAGRAM
• M2.7 BUILDING "A" AND "B" HEATING HOT WATER RISER DIAGRAM

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P1.3 FIRST FLOOR - SOUTH - PLUMBING
P1.4 SECOND FLOOR - NORTH - PLUMBING
P1.5 SECOND FLOOR - SOUTH - PLUMBING
P1.6 THIRD FLOOR - NORTH - PLUMBING
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P1.8 FOURTH FLOOR - NORTH - PLUMBING
P1.9 FOURTH FLOOR - SOUTH - PLUMBING
P1.10 PENTHOUSE PLANS - BUILDING "A" - PLUMBING
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P2.3 BUILDING "A" - ACID WASTE RISER DIAGRAM - PLUMBING
P2.4 BUILDING "B" AND "C" - SANITARY RISER DIAGRAM - PLUMBING
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• P2.6 WATER RISERS, BUILDING "A" DEIONIZED, BUILDING "B" HOT AND COLD
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F1.3 THIRD AND FOURTH FLOOR - FIRE PROTECTION

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E4.1 POWER ONE-LINE DIAGRAM
E4.2 FIRE ALARM RISER DIAGRAM
E5.1 ELECTRICAL DETAILS
E5.2 ELECTRICAL DETAILS
E5.3 LIGHTING DETAILS

BUILDING STATISTICS

KENTUCKY BUILDING CODE COMPLIANCE:

USAGE : GROUP B - RESEARCH BUILDING

CLASSIFICATION: BUILDING A - 2B
BUILDING B & C - 2C

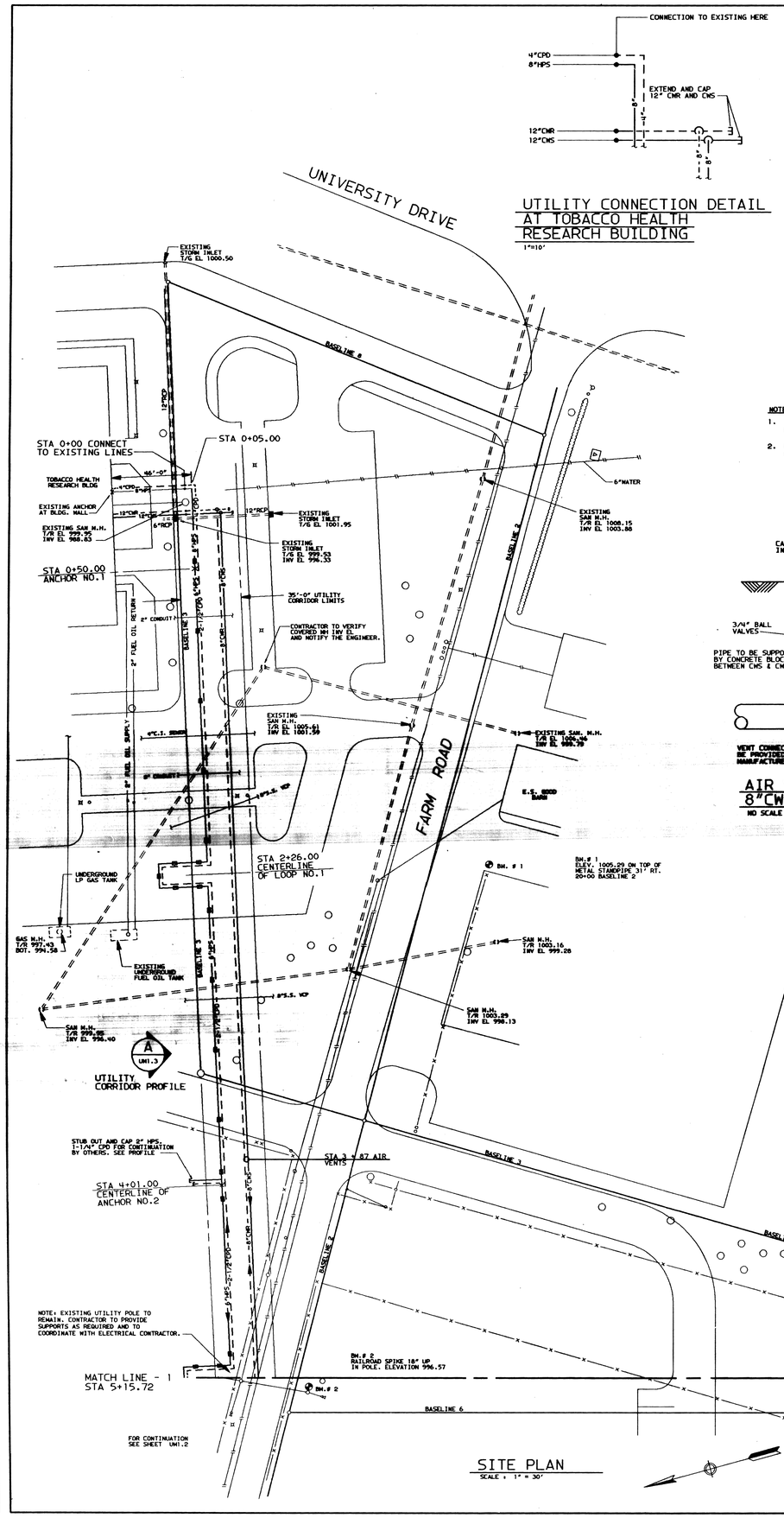
GROSS SQ. FT.:
BUILDING A - 53015 SQ FT
BUILDING B - 6230 SQ FT
BUILDING C - 120 SQ FT

ANTICIPATED OCCUPANTS:
BUILDING A - 328
BUILDING B - 1
BUILDING C - 0

DATE: 05/28/85 SET NO.:
• 06/17/85

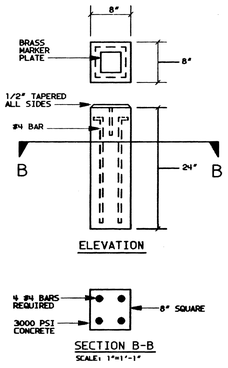
Cab # Slot Document # 013253 B-2 107

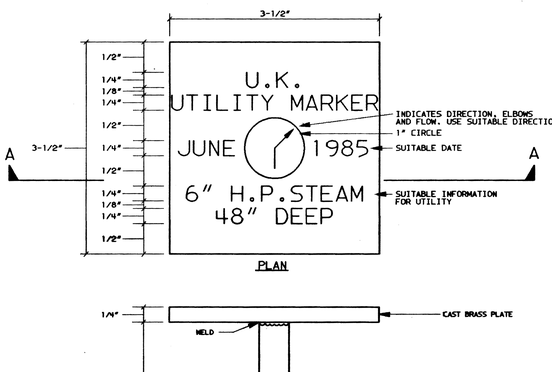
84/2.01/GD/Title/5.28.85



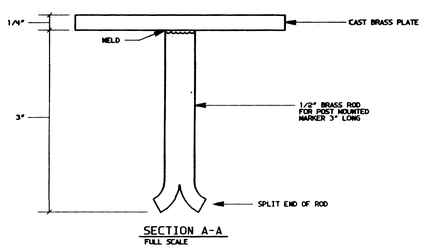
SITE PLAN
SCALE : 1" = 30'

UTILITY CONNECTION DETAIL AT TOBACCO HEALTH RESEARCH BUILDING
1"=10'

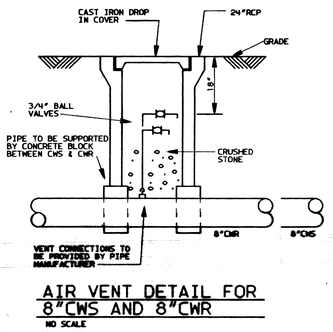




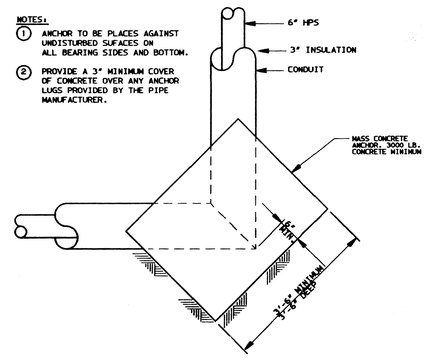
NOTES:
1. THE CONTRACTOR SHALL PROVIDE UTILITY MARKERS AT EACH BUILDING ENTRANCE, AT EACH BEND AND AT EACH ROAD CROSSING.
2. USE SUITABLE INFORMATION (LETTERS SHOWN ABOVE ARE FOR EXAMPLE ONLY). USE RAISED TYPE LETTERS.



UTILITY MARKER DETAIL



AIR VENT DETAIL FOR 8"CWS AND 8"CWR
NO SCALE

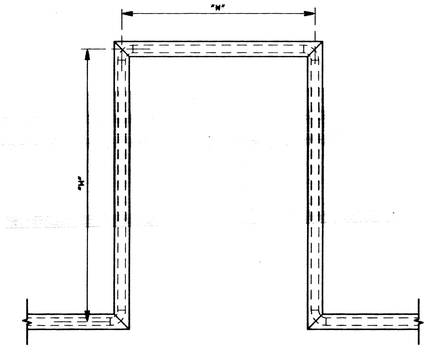


TYPICAL CORNER ANCHOR DETAIL
SCALE:3/4"=1'-0"

STEAM EXPANSION LOOP SCHEDULE

LOOP NO.	PIPE SIZE	SCHEDULE	STATION	EXPANSION IN INCHES	LOOP SIZE "H" "W"	COLD SPRING IN INCHES
CORNER	8"	40	0+05.00	1-3/4"	CORNER	7/8"
1	6"	40	2+26.00	13-1/2"	28'-0" X 14'-0"	6-3/4"
2	6"	40	5+14.50	10-3/4"	27'-0" X 13'-0"	5-3/8"
3	6"	40	6+79.50	10-3/4"	27'-0" X 13'-0"	5-3/8"
4	6"	40	10+25.50	5-3/16"	20'-0" X 10'-0"	2-5/8"

※ CALCULATIONS BASED ON OPERATING TEMPERATURES OF 500°F.



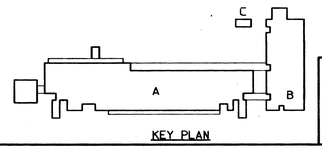
TYPICAL LOOP ARRANGEMENT
SCALE:3/4"=1'-0"

GENERAL NOTES:

1. THE INFORMATION ON ALL SITE RELATED UTILITIES WAS COMPILED FROM THE DRAWINGS FURNISHED BY WHITT AND ASSOCIATES, INC. SHEETS SP1.4 THROUGH SP1.7.
2. FOR SUB-SURFACE INFORMATION REFER TO DRAWINGS FURNISHED BY FULLER, MOSSBARGER, SCOTT AND MAY.
3. ALL CONNECTIONS TO EXISTING SITE UTILITIES SHALL BE COORDINATED WITH THE COMPANIES INVOLVED AND THE UNIVERSITY. ALL LOCAL CODES, PERMITS, ORDINANCES AND RESTRICTIONS SHALL BE ADHERED TOO.
4. REFER TO SP1.4 AND SP1.6 FOR SITE DRAINAGE PIPING.

LEGEND

———	EXISTING PIPING	—— CWS ——	CHILLED WATER SUPPLY
———	PROPOSED PIPING	- - - CWR - - -	CHILLED WATER RETURN
—— SAN ——	SANITARY WASTE	—— PD ——	PUMP DISCHARGE
—— RL ——	ROOF LEADER	AFG	ABOVE FINISH GRADE
—— AW ——	ACID WASTE	INV EL	INVERT ELEVATION
—— CW ——	COLD WATER	EL	ELEVATION
—— G ——	NATURAL GAS	DN	DOWN
—— MPG ——	MEDIUM PRESSURE GAS	T/G	TOP OF GRATING
—— LPG ——	LOW PRESSURE GAS	T/R	TOP OF RIM
—— HPS ——	HIGH PRESSURE STEAM	3/4" WH	WALL HYDRANT AND SIZE
- - CPD - -	CONDENSATE PUMP DISCHARGE	MH	MANHOLE
—— FP ——	FIRE PROTECTION	BM	BENCH MARK WITH ELEVATION
—⋈—	ANCHOR	MJ	MECHANICAL JOINT



KEY PLAN

RECORD DRAWING JUNE, 1988

SITE PLAN
MECHANICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
503 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITT, WALKER & MEREYNOLDS CONSULTING ENGINEERS
8941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS 2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

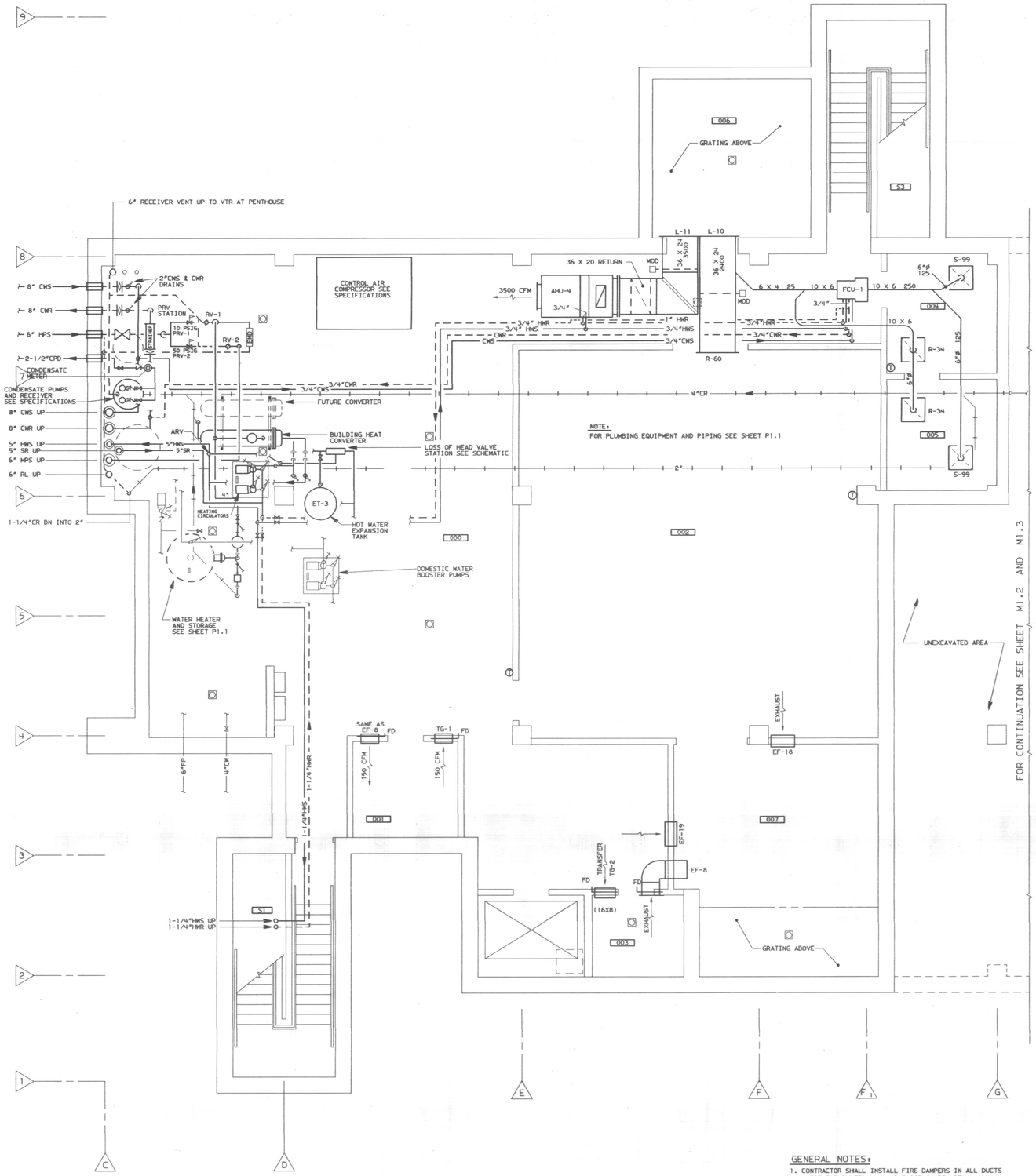
APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421
ITEMS ON SHEET
DRAWN BY SCR DRB
CHECKED BY PCG ALD
DATE 05-28-85
REVISIONS
Date | Note | Document #
10-14-85 | Cahn | 10-7

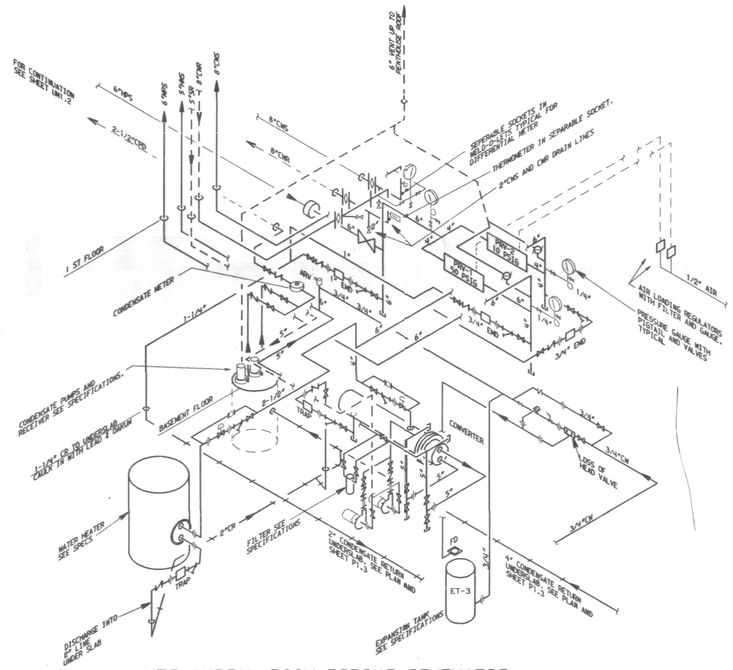
SHEET NUMBER UM1.1

8421.01/CD/UM1.1/5-28-85



MECHANICAL - LEGEND

24 X 12 1700	PROPOSED DUCTWORK, SIZE AND CFM	FCU-1	FAN COOL UNIT WITH DESIGNATION	LPS	LOW PRESSURE STEAM (10 PSIG)
	SUPPLY DUCT UP, DOWN	L-1	LOUVER WITH DESIGNATION	CR	CONDENSATE RETURN
	RETURN/EXHAUST DUCT UP, DOWN	AHU-1	CONSTANT VOLUME AIR HANDLING UNIT WITH DESIGNATION	CPD	CONDENSATE PUMP DISCHARGE
	TURNING VANES	VAV-1	VARIABLE VOLUME AIR HANDLING UNIT WITH DESIGNATION	HWS	HOT WATER SUPPLY
MD	MANUAL DAMPER	PRV-1	PRESSURE REDUCING VALVE WITH DESIGNATION	HWR	HOT WATER RETURN
MOD	MOTOR OPERATED DAMPER		FLOOR DRAIN	SR	SYSTEM RETURN
FD	FIRE DAMPER	AFF	ABOVE FINISH FLOOR	CWS	CHILLED WATER SUPPLY
	RAKE-OFF DAMPER	AFG	ABOVE FINISH GRADE	CWR	CHILLED WATER RETURN
SD	SPLITTER DAMPER	INV EL	INVERT ELEVATION	PD	PUMP DISCHARGE
	FLEXIBLE CONNECTION	EL	ELEVATION	EG	ETHYLENE GLYCOL
	TRANSITION SQUARE TO ROUND	DN	DOWN		ELBOW UP, DOWN
S-1	SUPPLY DIFFUSER WITH DESIGNATION	END	END OF MAIN DRIP		TEE UP, DOWN
S-1 6"ø	SUPPLY SLOT DIFFUSER WITH DESIGNATION	FP	FIRE PROTECTION		GATE VALVE - HORIZ. VERT.
R-1	RETURN DIFFUSER WITH DESIGNATION	G	NATURAL GAS		CHECK VALVE
HC-1 / HRC-1	HEATING COIL OR HEAT RECOVERY COIL WITH DESIGNATION	RL	ROOF LEADER		SOLENOID CONTROL VALVE
L-1	WALL MOUNTED GRILLES OR LOUVERS WITH DESIGNATION		UNDERSLAB PIPING	PRV-1	PRESSURE REDUCING VALVE AND DESIGNATION
T	THERMOSTAT	CW	COLD WATER		PLUG VALVE
H	HUMIDISTAT	HW	HOT WATER	RV-1	PRESSURE RELEIF VALVE AND DESIGNATION
EF-1	EXHAUST FAN WITH DESIGNATION	R	HOT WATER RECIRCULATION		GLOBE VALVE
TG-1	TRANSFER GRILLE WITH DESIGNATION	HPS	HIGH PRESSURE STEAM (125-175 PSIG)		BUTTERFLY VALVE
EH-1	EXHAUST HOOD WITH DESIGNATION	MPS	MEDIUM PRESSURE STEAM (50 PSIG)		UNION
ATB-1 1000	AIR TERMINAL BOX WITH DESIGNATION AND CFM				STRAINER
EB-1 1000	EXHAUST BOX WITH DESIGNATION AND CFM				
ARV	AIR RELEASE VALVE				

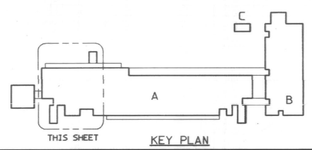


MECHANICAL ROOM PIPING SCHEMATIC
NO SCALE

GENERAL NOTES:

1. CONTRACTOR SHALL INSTALL FIRE DAMPERS IN ALL DUCTS WHERE THE SHAFT WALL AND FLOOR SLABS ARE PENETRATED.
2. MAXIMUM LENGTH OF FLEXIBLE DUCT TO DIFFUSERS SHALL BE 5'-0".

BASEMENT FLOOR PLAN
SCALE: 1/4" = 1'-0"



KEY PLAN

RECORD DRAWING JUNE, 1988

BASEMENT FLOOR MECHANICAL

SHEET NUMBER M1.1

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

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2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
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600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421
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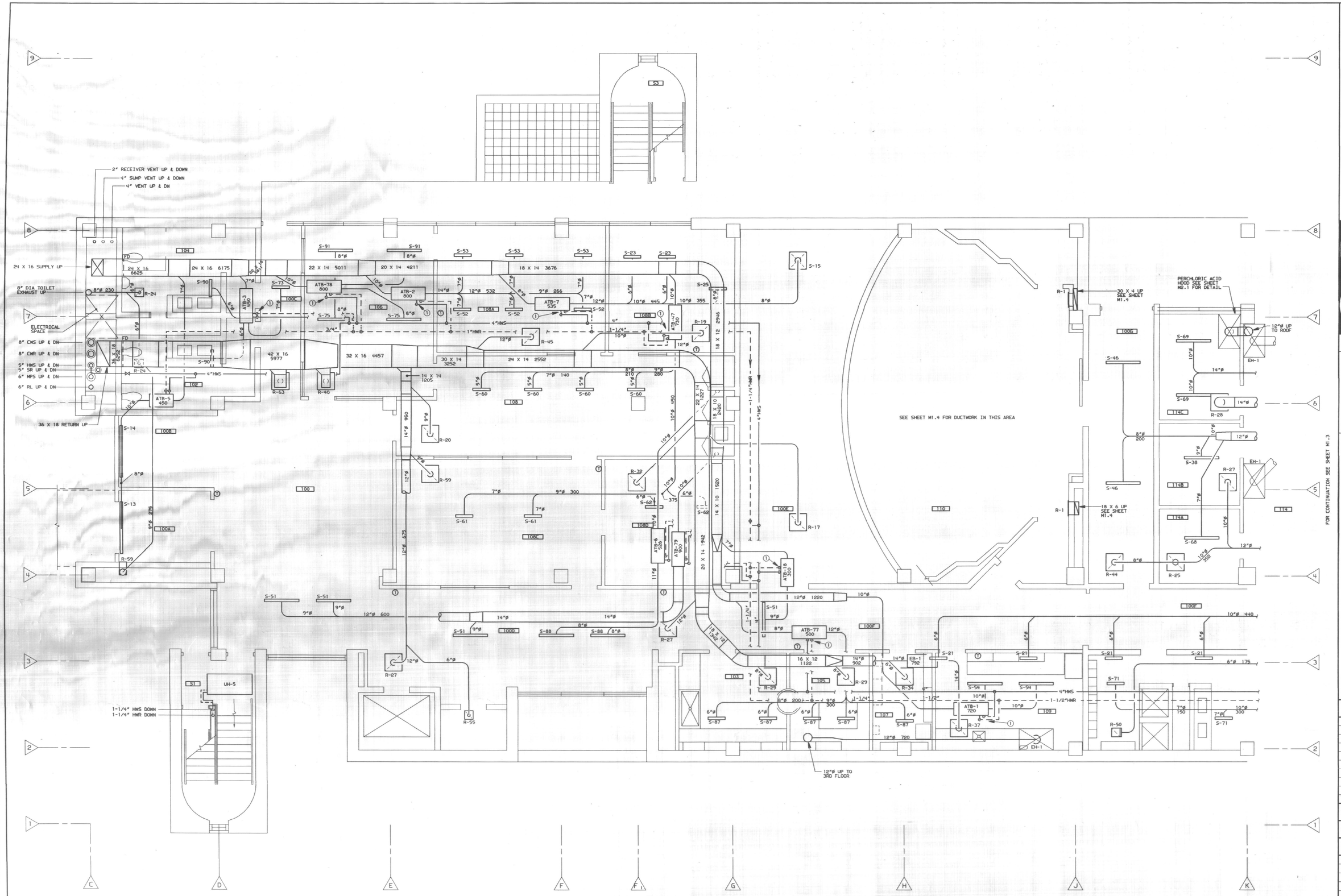
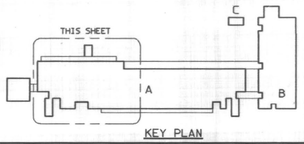
8412.01/CD/M1.1/5.28.85



FIRST LEVEL FLOOR PLAN (NORTH)
SCALE: 1/4"=1'-0"

REFERENCE NOTE:

① 3/4" HWS & HWR CONNECTIONS. SEE DETAIL ON SHEET M2.1 FOR CONTROL VALVE PIPING.



KEY PLAN

RECORD DRAWING JUNE, 1988

FIRST FLOOR - NORTH
MECHANICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

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2716
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230.1

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DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
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COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
CGT, JAG, DRB

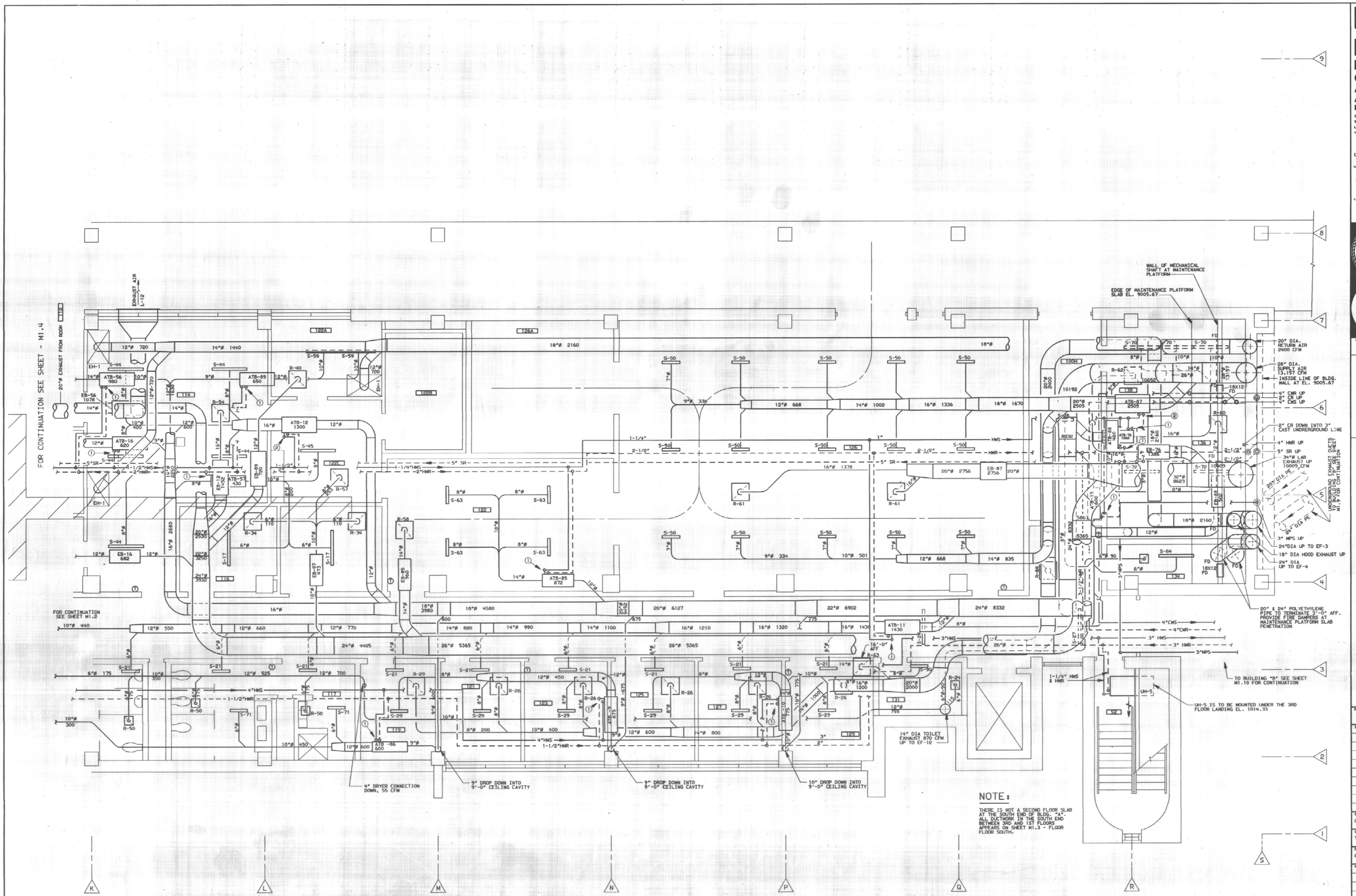
CHECKED BY
TA, ALD

DATE
05-28-85

REVISIONS

SHEET NUMBER
M1.2

8412.01/CD/M1.2/5.28.85

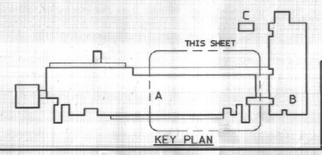


FIRST LEVEL FLOOR PLAN (SOUTH)
SCALE: 1/4"=1'-0"

REFERENCE NOTE:

① 3/4" HWS & HWR CONNECTIONS. SEE DETAIL ON SHEET M2.1 FOR CONTROL VALVE PIPING.

② 1" HWS & HWR CONNECTIONS. SEE DETAIL ON SHEET M2.1 FOR CONTROL VALVE PIPING.



RECORD DRAWING JUNE, 1988

FIRST FLOOR - SOUTH MECHANICAL

SHEET NUMBER M1.3

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDONELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0971

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2841 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS 2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION, DIVISION OF REAL PROPERTY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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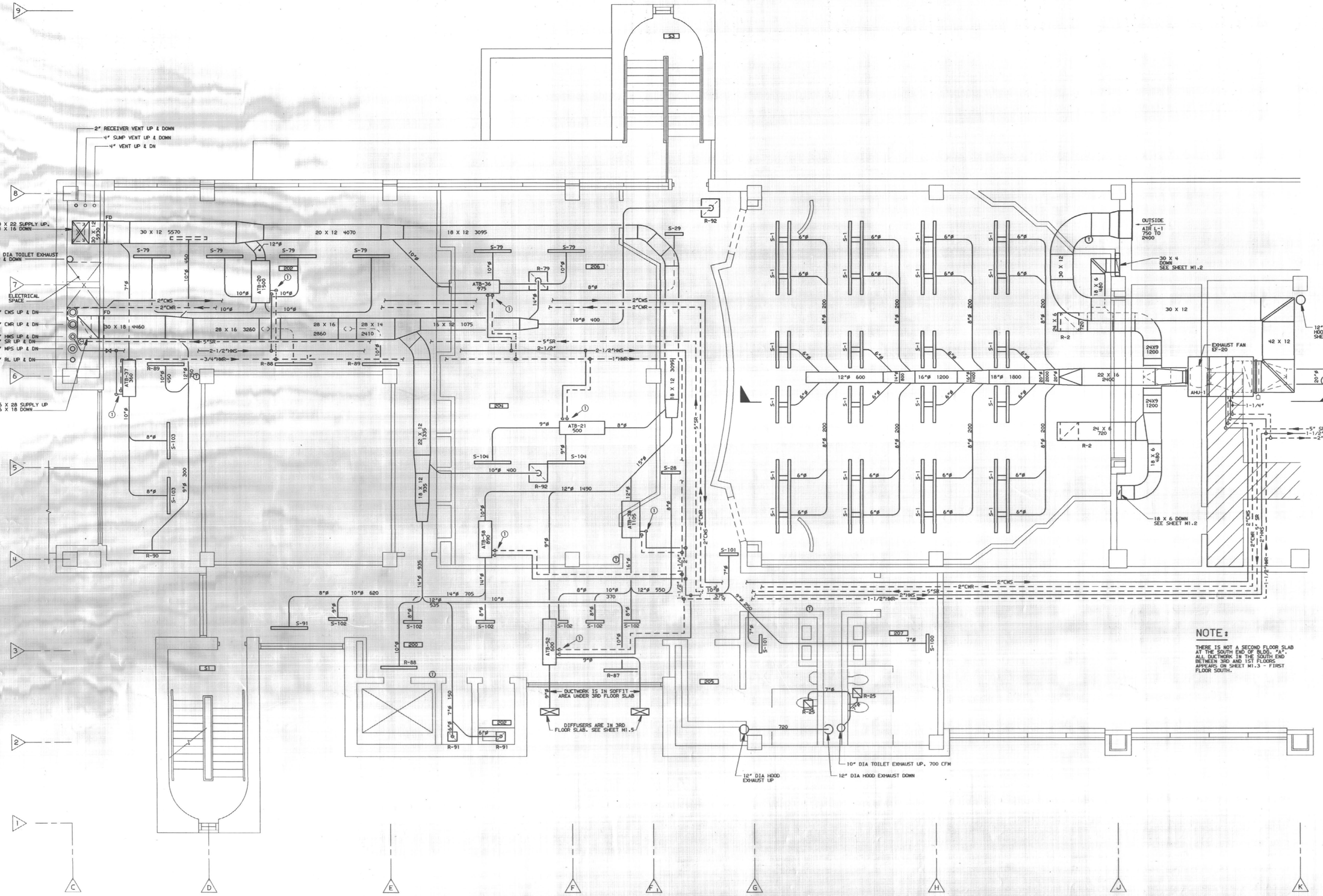

SECOND LEVEL FLOOR PLAN (NORTH)
SCALE: 1/4"=1'-0"

REFERENCE NOTE:
① 3/4" HWS & HWR CONNECTIONS. SEE DETAIL ON SHEET M2.1 FOR CONTROL VALVE PIPING.

KEY PLAN

RECORD DRAWING JUNE.1988

SECOND FLOOR - NORTH MECHANICAL

M1.4

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDONELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION, UNIVERSITY OF KENTUCKY
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THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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DATE 05-28-85
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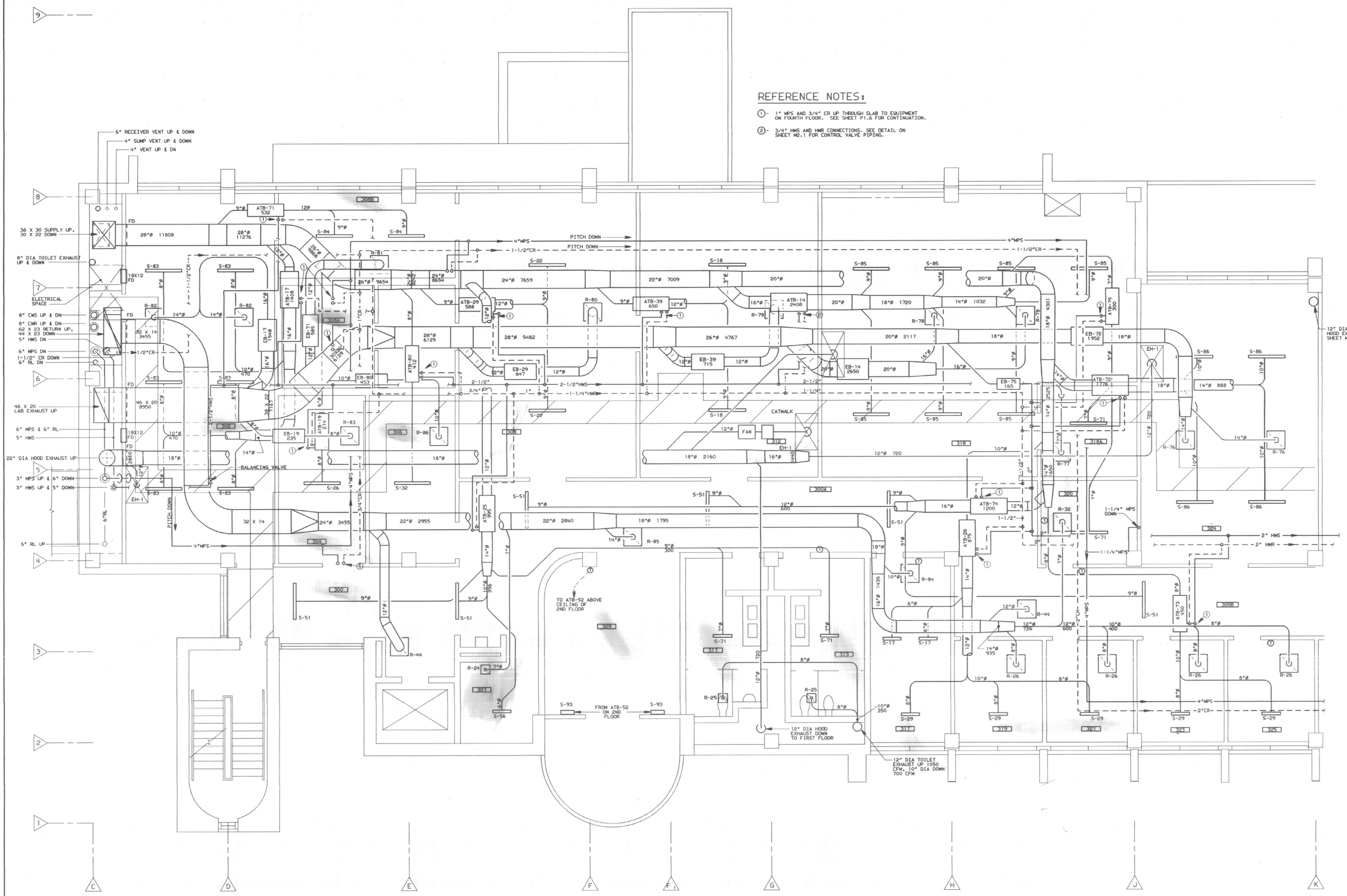
8421.01/CD/M1.4/5-28-85

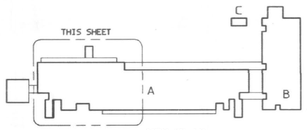
REFERENCE NOTES:

1. 1" MPS AND 3/4" CR UP THROUGH SLAB TO EQUIPMENT ON FOURTH FLOOR. SEE SHEET P1.6 FOR CONTINUATION.
2. 3/4" HWS AND HWR CONNECTIONS. SEE DETAIL ON SHEET M2.1 FOR CONTROL VALVE PIPING.



THIRD LEVEL FLOOR PLAN (NORTH)

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



KEY PLAN

RECORD DRAWING JUNE, 1988

THIRD FLOOR - NORTH MECHANICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

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DATE 05-28-85

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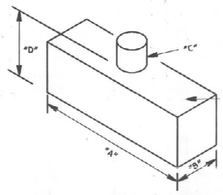
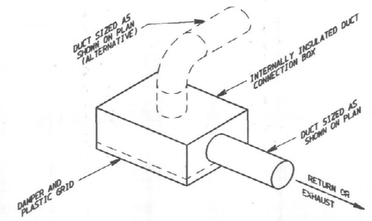
SHEET NUMBER M1.

8412.01/CD/M1.5/5-28-85



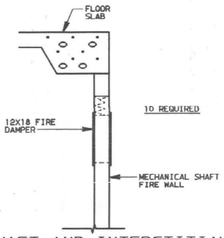
HOOD	A	B	C	D
EH-3	5'-0"	1'-2"	10"ø	24"
EH-4	6'-9"	2'-0"	10"ø	30"

EXHAUST HOOD DETAIL FOR ROOM 340A



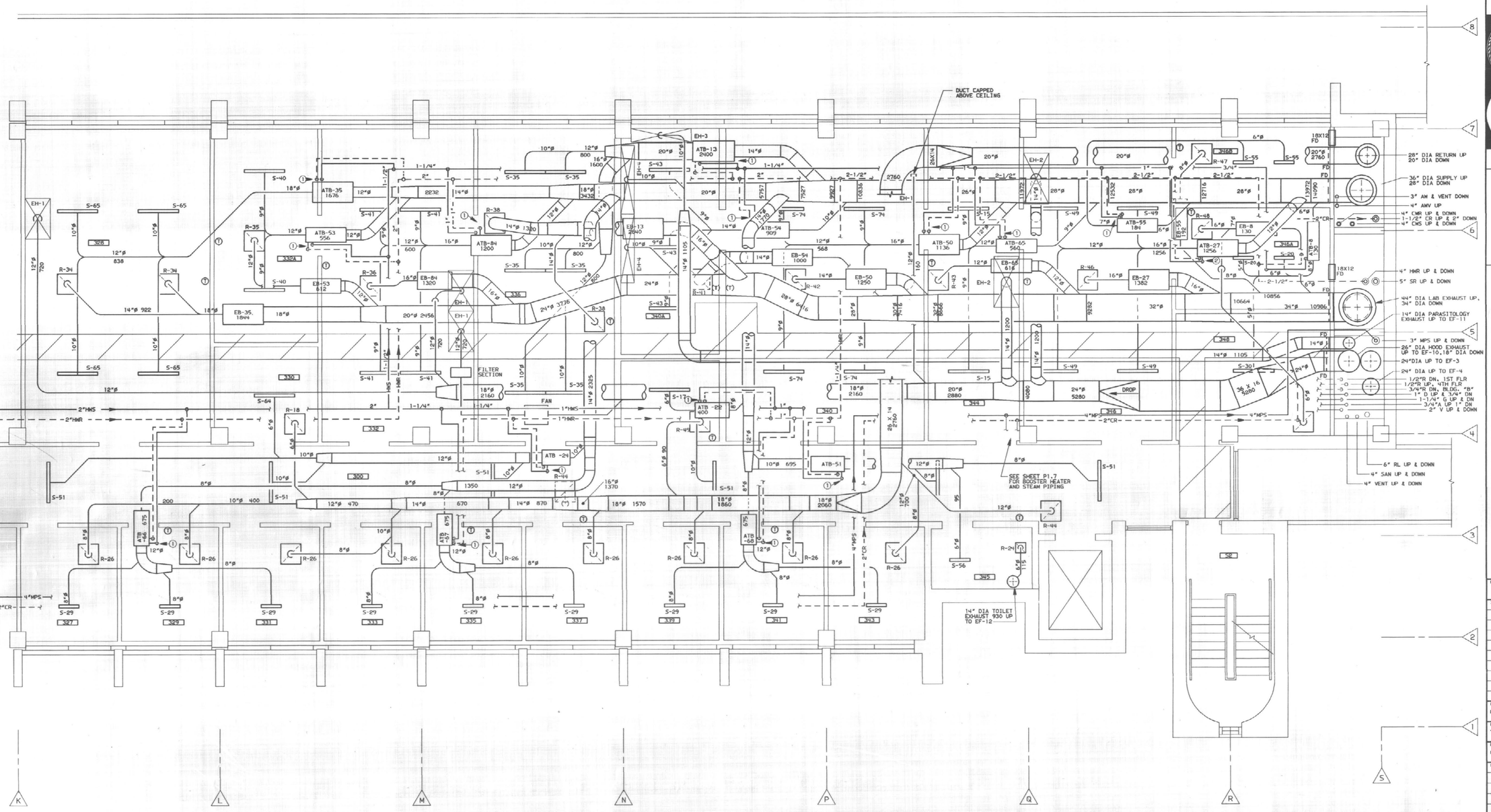
DUCT CONNECTION BOX FOR RETURN OR EXHAUST GRILLES

NO SCALE



SHAFT AND INTERSTITIAL VENTILATION OPENING DETAIL

NO SCALE

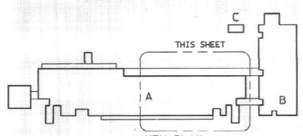


THIRD LEVEL FLOOR PLAN (SOUTH)

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

REFERENCE NOTE:

① 3/4" HWS & HWR CONNECTIONS. SEE DETAIL ON SHEET M2.1 FOR CONTROL VALVE PIPING.



RECORD DRAWING JUNE, 1988

THIRD FLOOR - SOUTH MECHANICAL

SHEET NUMBER M1.6

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
509 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

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600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:

DIRECTOR OF DESIGN AND CONSTRUCTION, DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

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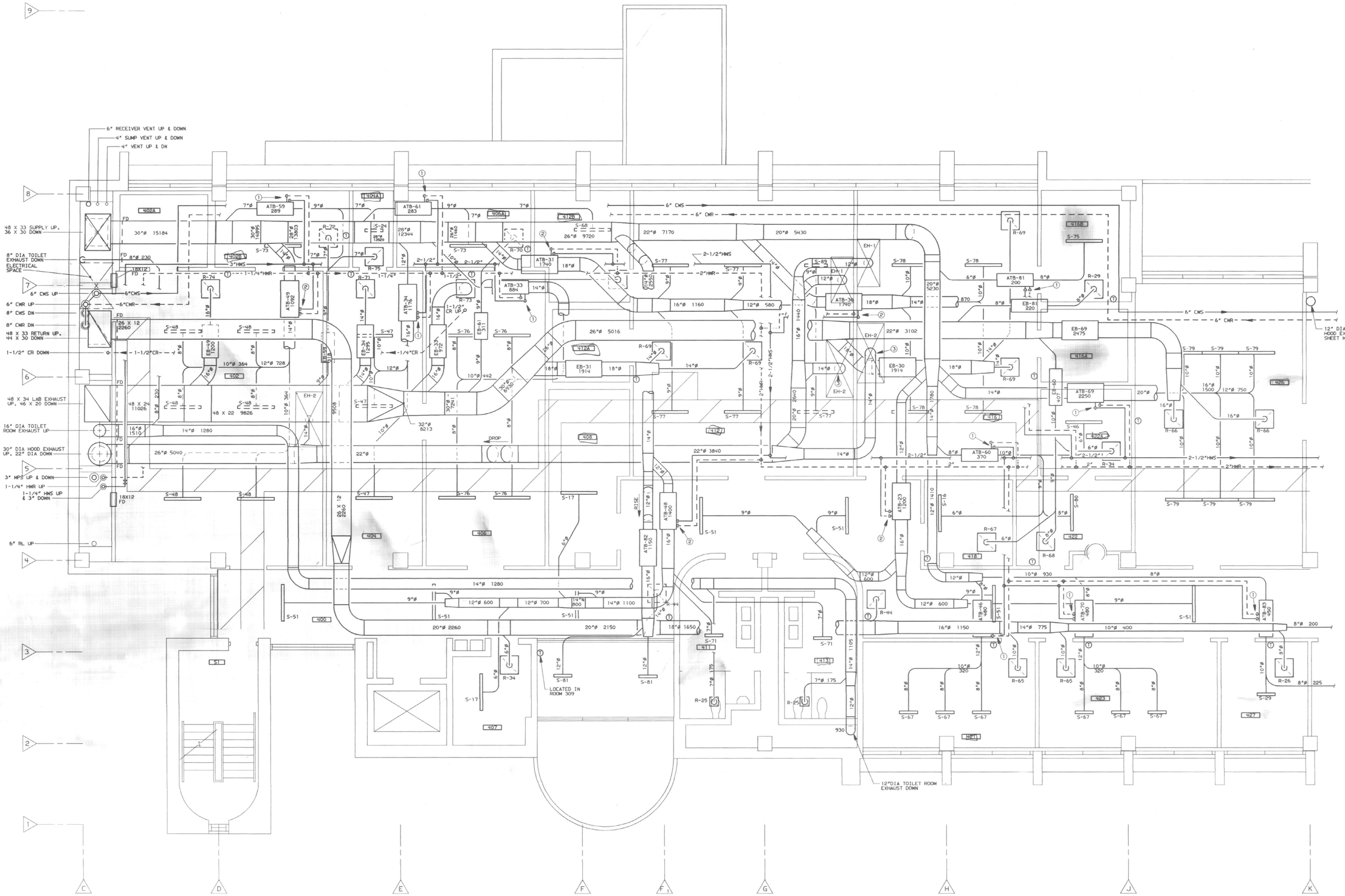
CHECKED BY TA. ALD

DATE 05-28-85

REVISIONS

Date | No. | Description

8421.01/CD/M1.6/5.28.85

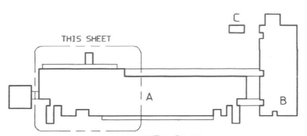


FOURTH LEVEL FLOOR PLAN (NORTH)

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

REFERENCE NOTES

1. 3/4" HWS & HWR CONNECTIONS. SEE DETAIL ON SHEET M2.1 FOR CONTROL VALVE PIPING.
2. 1" HWS & HWR CONNECTIONS. SEE DETAIL ON SHEET M2.1 FOR CONTROL VALVE PIPING.
3. CAPPED EXHAUST DUCT ABOVE CEILING.



KEY PLAN

RECORD DRAWING JUNE, 1988

FOURTH FLOOR - NORTH MECHANICAL

SHEET NUMBER M1.7

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0671

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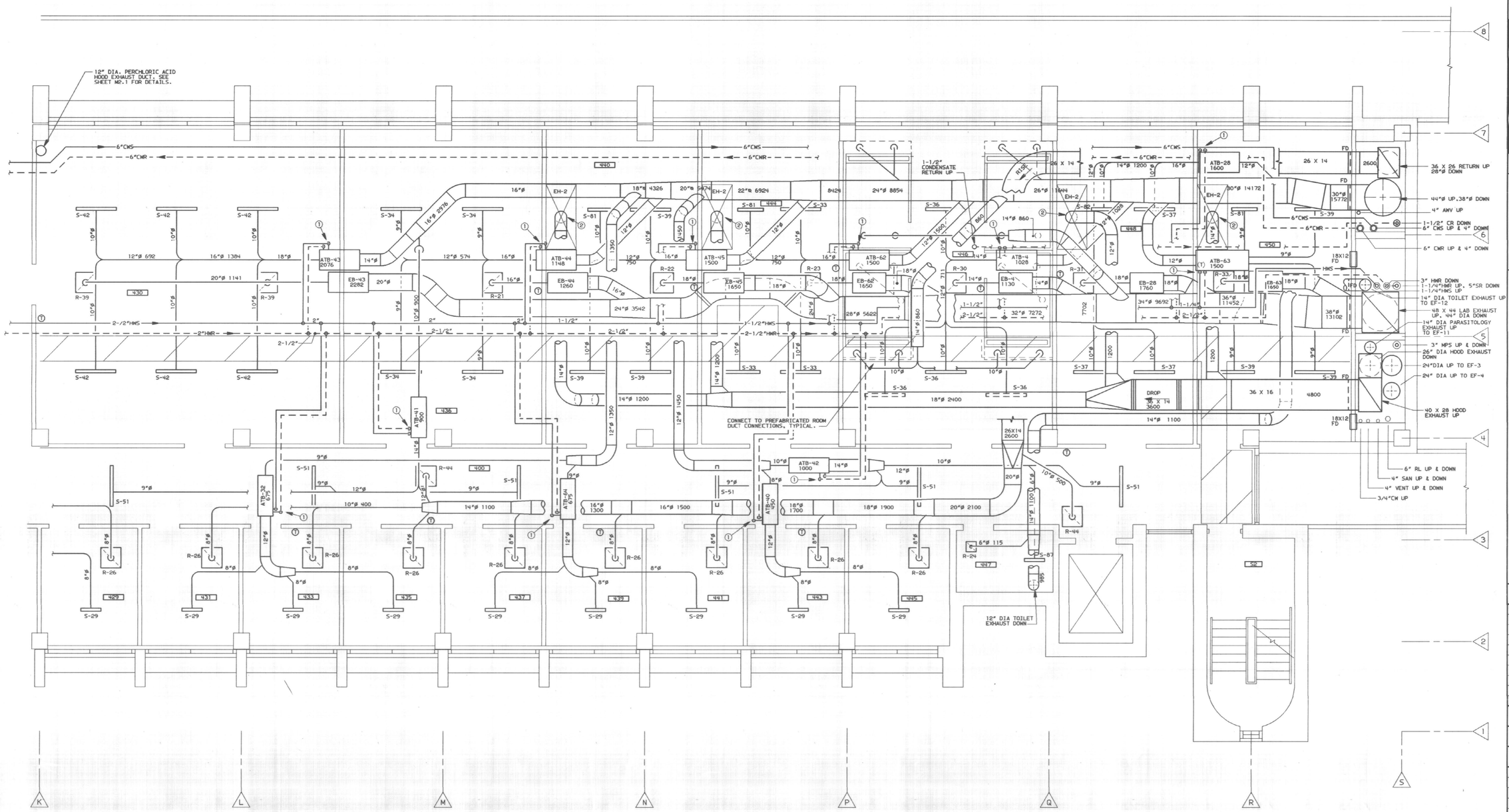


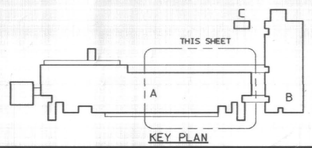
FOURTH LEVEL FLOOR PLAN (SOUTH)

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

REFERENCE NOTE:

① 3/4" HWS & HWR CONNECTIONS. SEE DETAIL ON SHEET M2.1 FOR CONTROL VALVE PIPING.

② CAPPED EXHAUST DUCT ABOVE CEILING.



KEY PLAN

RECORD DRAWING JUNE, 1988

FOURTH FLOOR - SOUTH MECHANICAL

SHEET NUMBER M1.8

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

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STATE OF KENTUCKY · ANSEL L. DAVIS 2716 · REGISTERED PROFESSIONAL ENGINEER

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UNIVERSITY OF KENTUCKY
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COLLEGE OF AGRICULTURE
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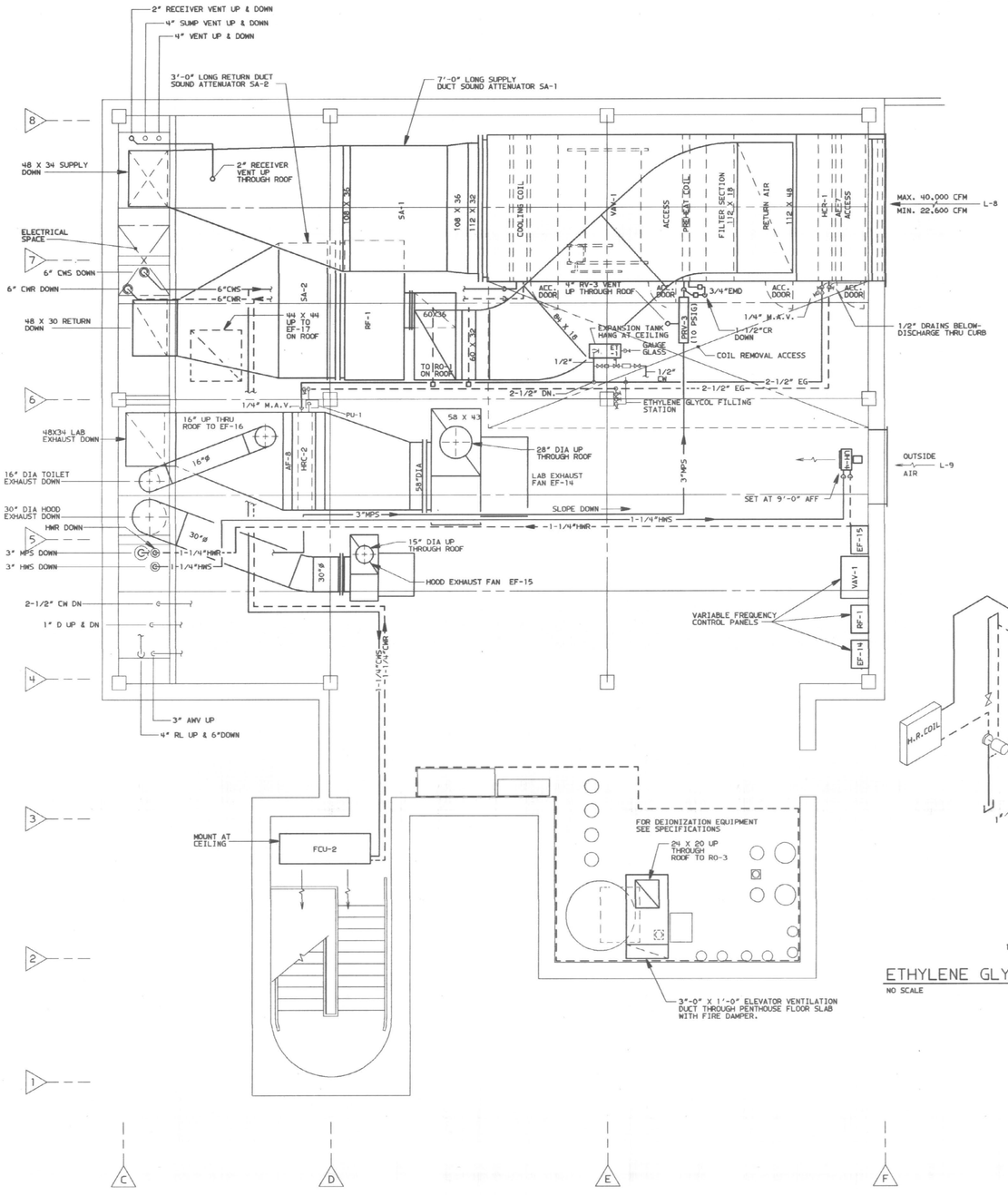
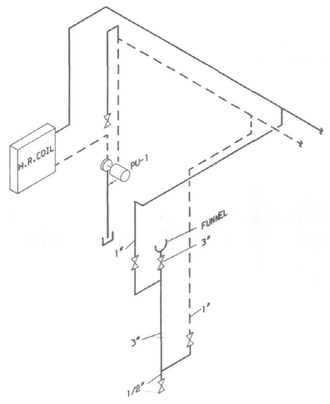


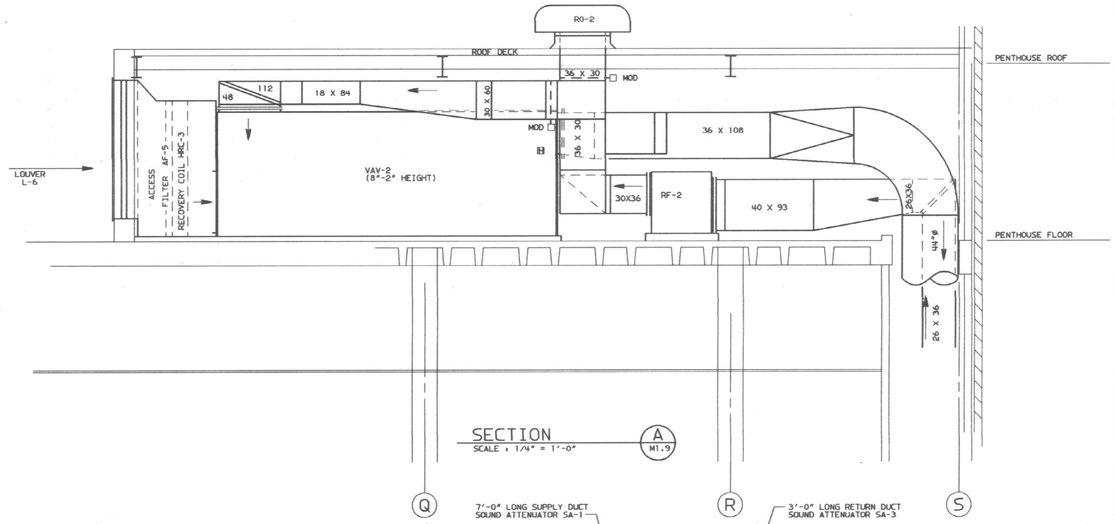
PENTHOUSE FLOOR PLAN - NORTH

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



ETHYLENE GLYCOL FILLING STATION

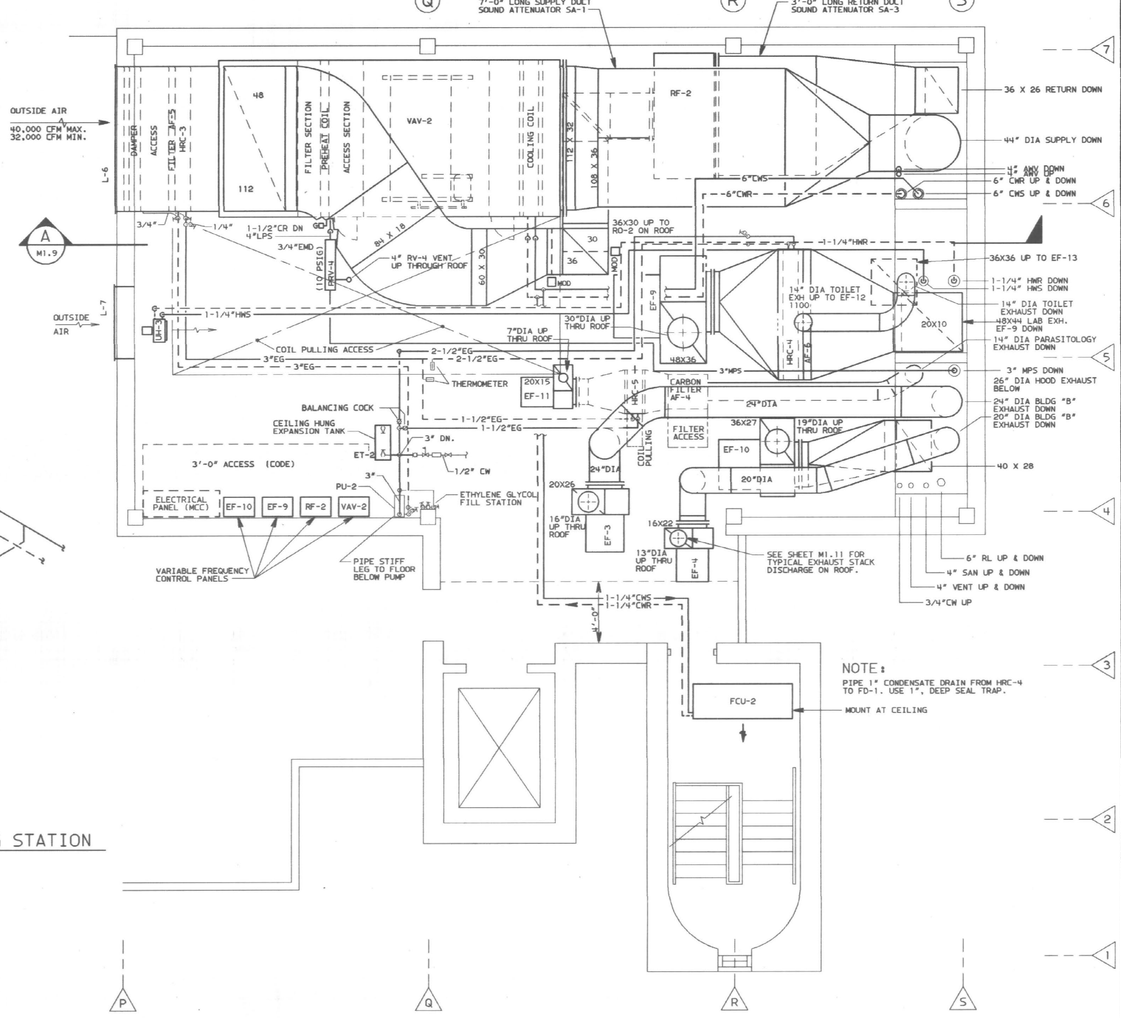
NO SCALE



SECTION

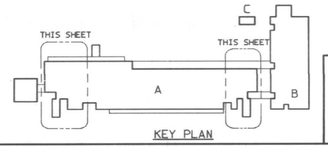
SCALE : 1/4" = 1'-0"

A M1.9



PENTHOUSE FLOOR PLAN - SOUTH

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



KEY PLAN

RECORD DRAWING JUNE, 1988

PENTHOUSE AND BUILDING "A" MECHANICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
DRB, CGT, JAG

CHECKED BY
DRB ALD

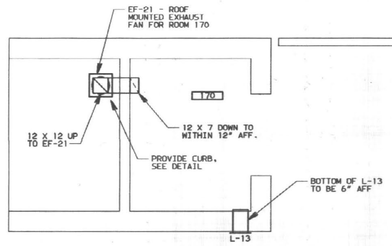
DATE
05-28-85

REVISIONS

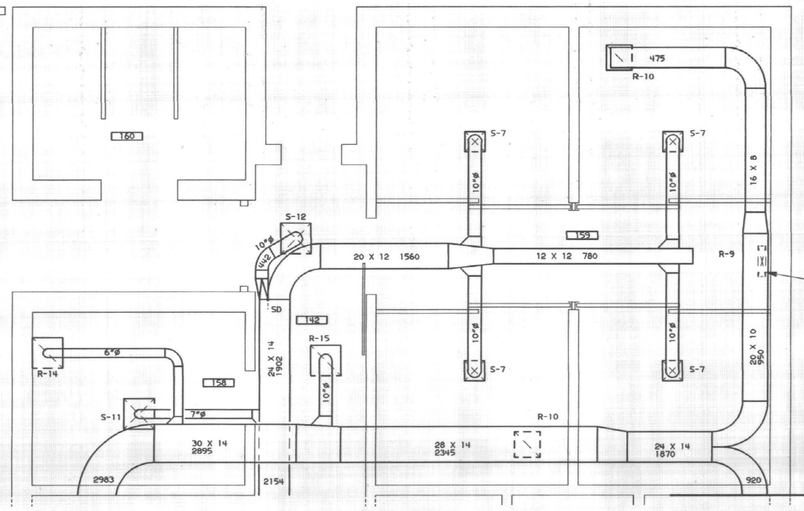
Call # Slot Document # Film

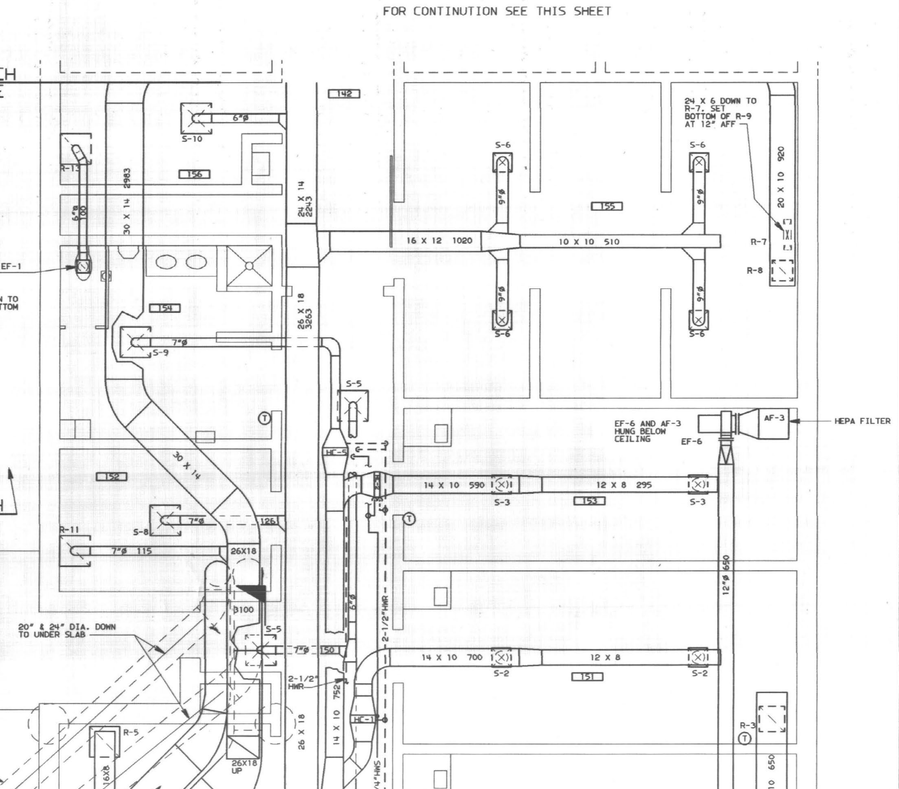
SHEET NUMBER
M1.9

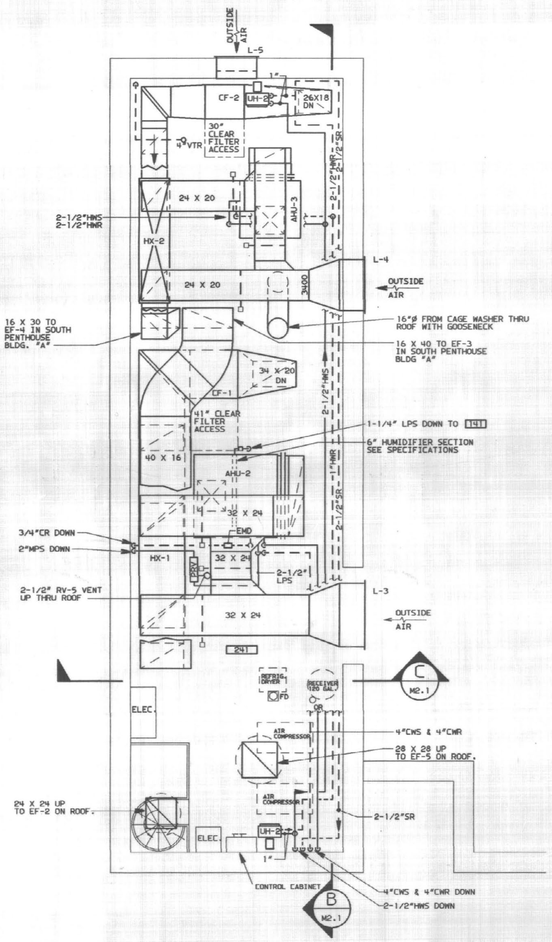
8A12.01/CD/M1.9/5-28-85



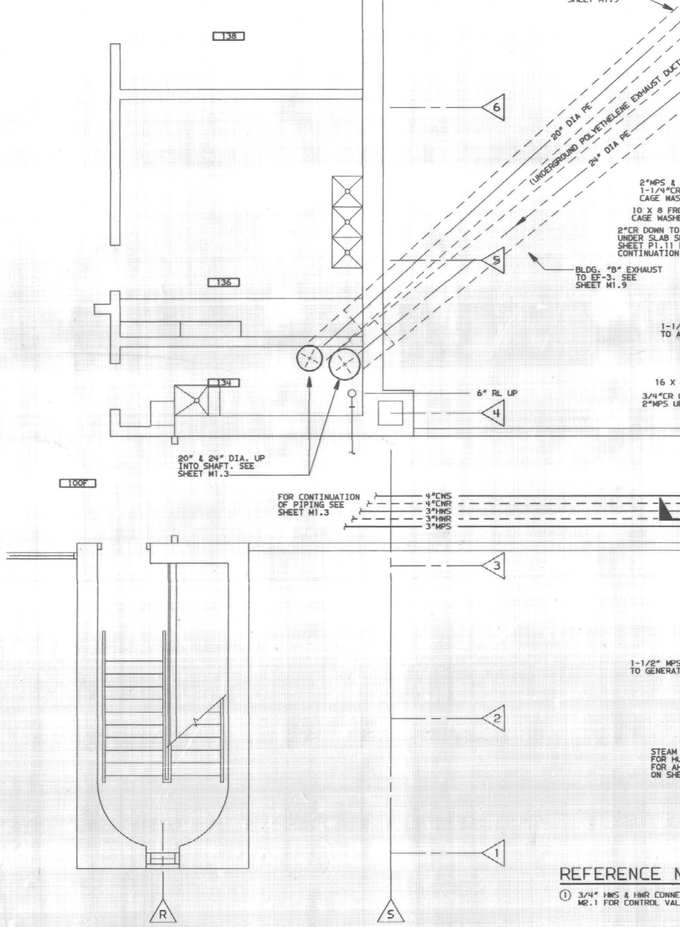
FLOOR PLAN - BUILDING "C"
SCALE: 1/4" = 1'-0"





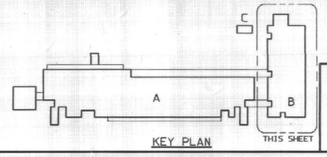


SECOND LEVEL FLOOR PLAN - BUILDING "B"
SCALE: 1/4" = 1'-0"



PARTIAL FIRST FLOOR PLAN - BUILDING "B"
SCALE: 1/4" = 1'-0"

REFERENCE NOTE:
① 3/4" HWS & HWR CONNECTIONS. SEE DETAIL ON SHEET M2.1 FOR CONTROL VALVE PIPING.



KEY PLAN

RECORD DRAWING JUNE, 1988

BUILDING "B" MECHANICAL

SHEET NUMBER M1.10

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
509 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40505
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

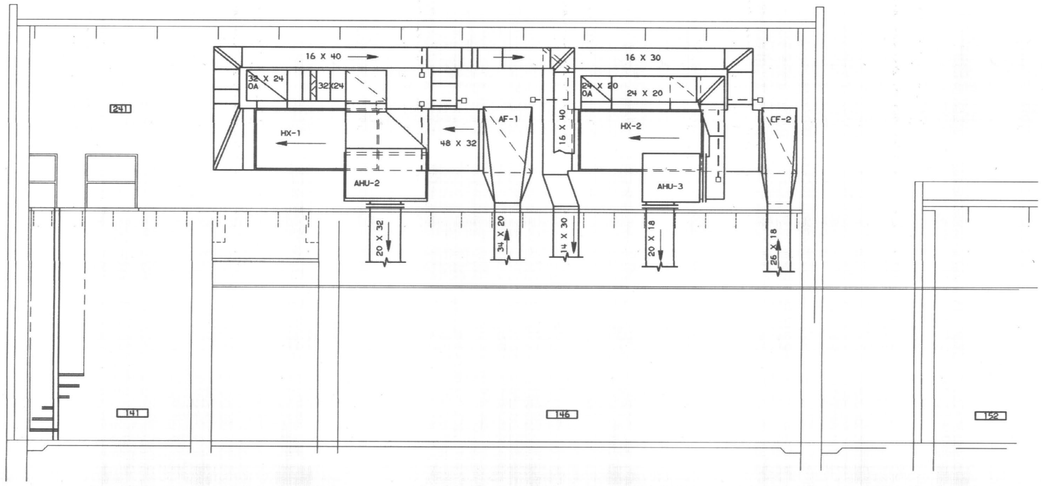
UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

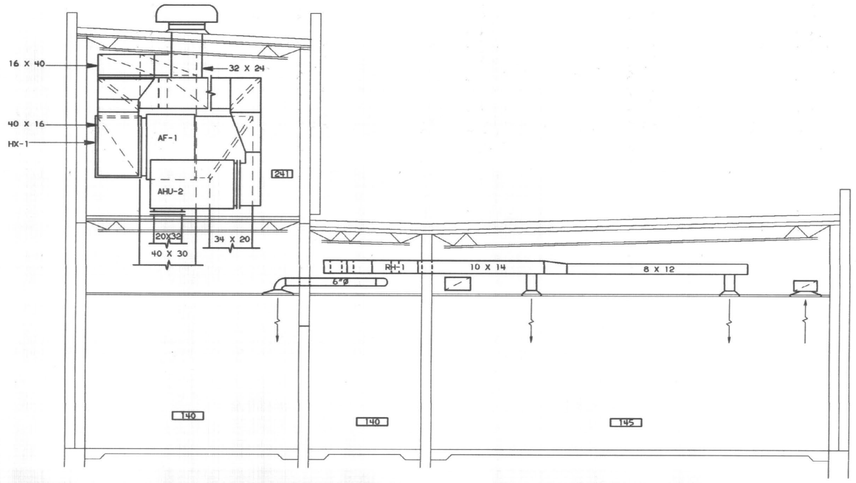
THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421
ITEMS ON SHEET
DRAWN BY DRB
CHECKED BY DRB ALD
DATE 05-28-85
REVISIONS

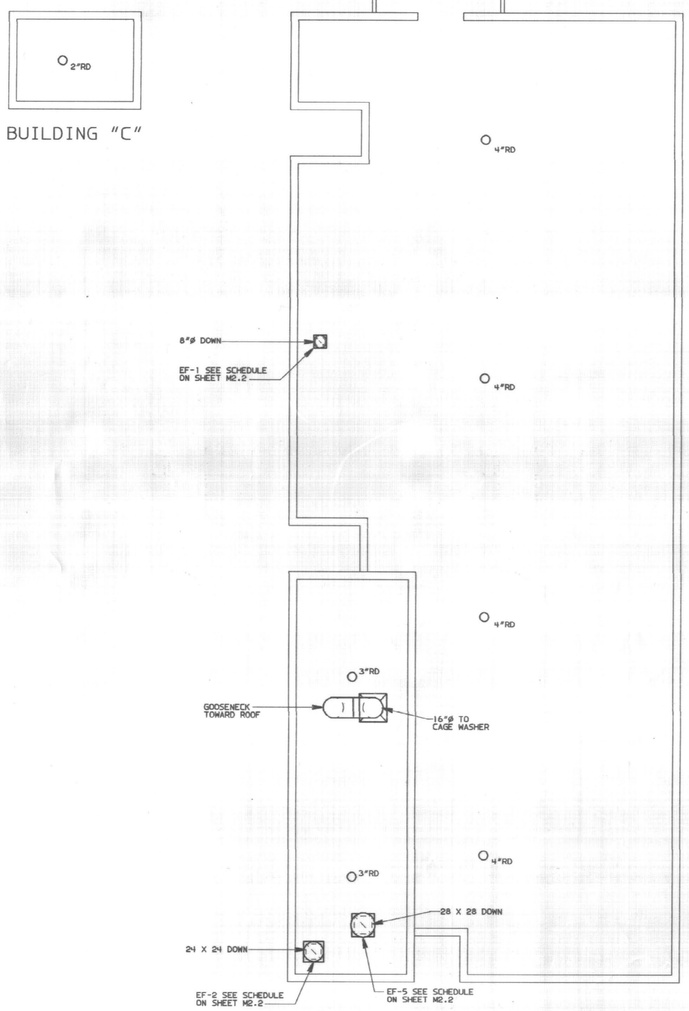
8912.01/CD/M1.10/5.28.85



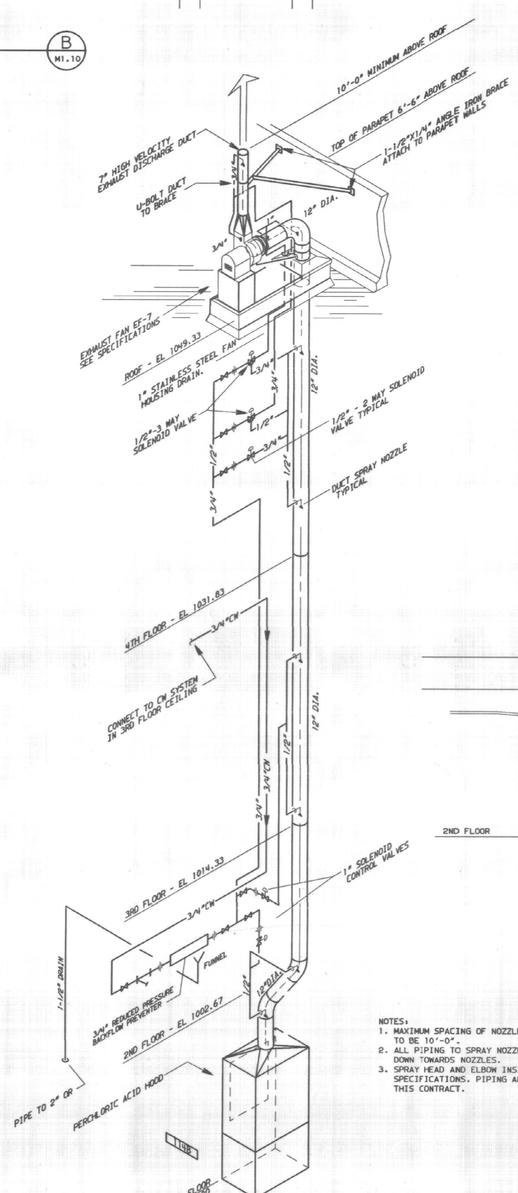
SECTION THROUGH BUILDING "B"
SCALE: 1/4" = 1'-0"
B M1.10



SECTION THROUGH BUILDING "B"
SCALE: 1/4" = 1'-0"
C M1.10

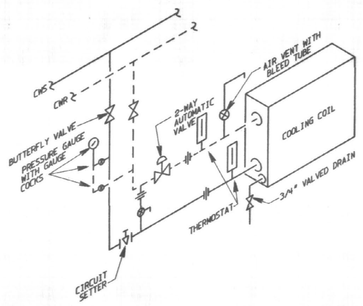


BUILDING "B" ROOF PLAN
SCALE: 1/8"=1'-0"

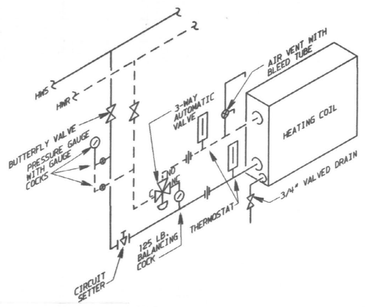


PERCHLORIC ACID - HOOD EXHAUST SYSTEM SCHEMATIC
SCALE: 1/4" = 1'-0"

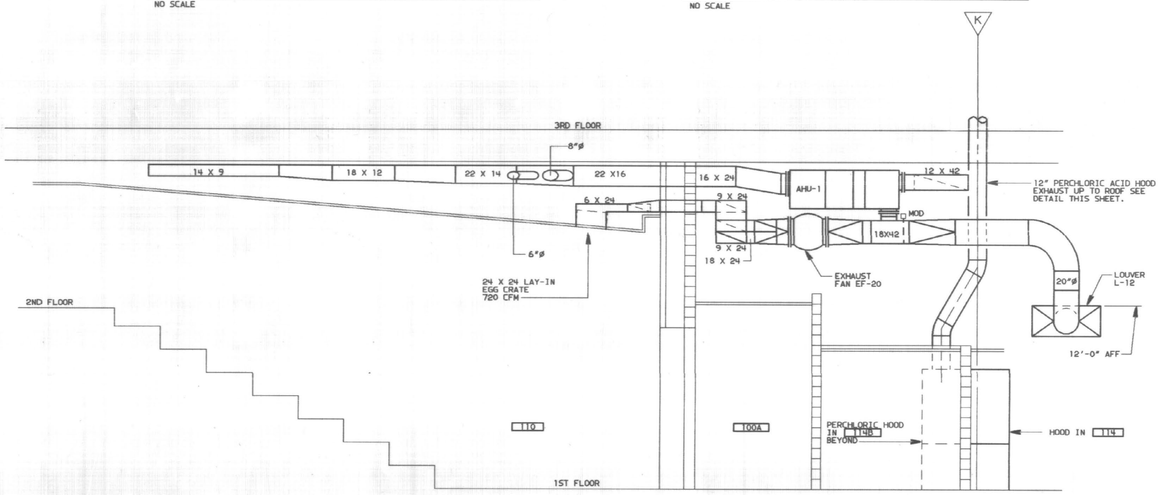
NOTES:
1. MAXIMUM SPACING OF NOZZLES IN DUCT TO BE 10'-0".
2. ALL PIPING TO SPRAY NOZZLES TO PITCH DOWN TOWARDS NOZZLES.
3. SPRAY HEAD AND ELBOW INSIDE DUCT, SEE SPECIFICATIONS. PIPING AND ALL VALVES THIS CONTRACT.



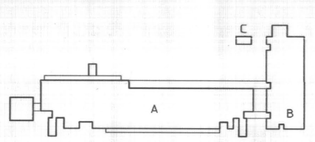
TYPICAL CHILLED WATER COIL PIPING
NO SCALE



TYPICAL HOT WATER COIL PIPING
NO SCALE



SECTION THROUGH LECTURE ROOM - 110
SCALE: 1/4" = 1'-0"
A M1.4



KEY PLAN

RECORD DRAWING JUNE, 1988

BUILDING "B"
ROOF PLAN AND SECTIONS
MECHANICAL

M2.1

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS 2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
DRB, CGT

CHECKED BY
DRB ALD

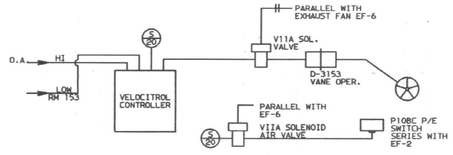
DATE
05-28-85

REVISIONS

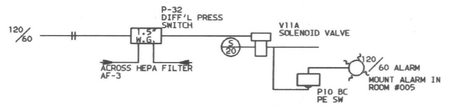
Col. 8 — Sht4 — Document

SHEET NUMBER
M2.1

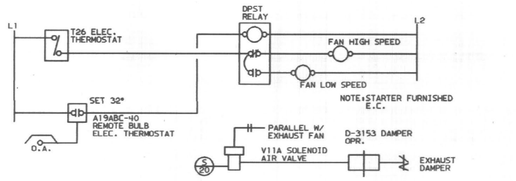
8421.01/CD/M2.1/5.28.85



INLET VANE CONTROL - RM 153

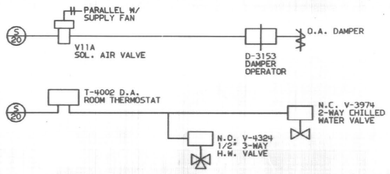


HEPA FILTER DIFF'L GAUGE - RM. 153

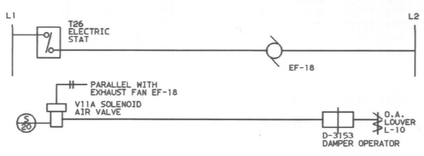


MECHANICAL ROOM VENTILATION CONTROL (ROOM #000)

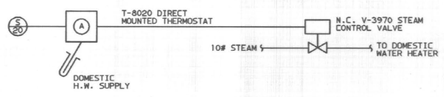
UNIT HEATER CONTROL
(TYPICAL ALL LOCATIONS)



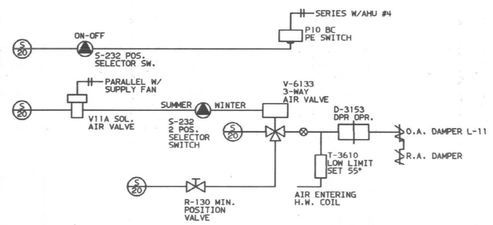
BLDG. OPER. OFFICE
FAN COIL CONTROL ROOMS #004 & #005



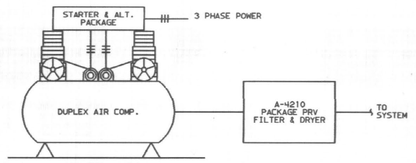
ELECTRICAL EQUIPMENT ROOM #002
EXHAUST FAN CONTROL



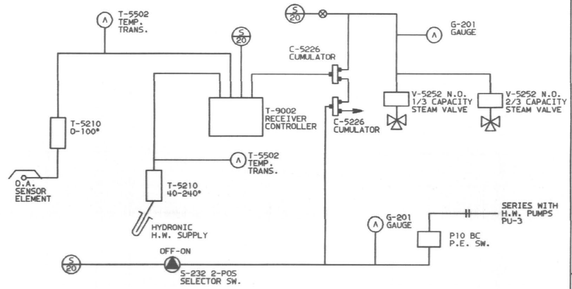
DOMESTIC HOT WATER CONVERTER CONTROL



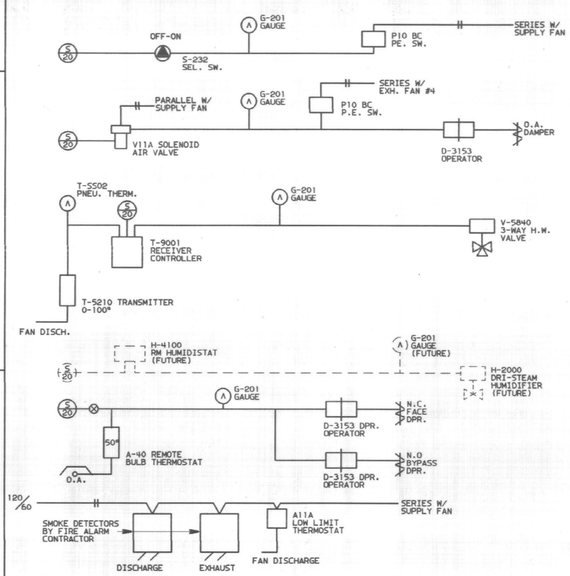
AHU #4 CONTROL ROOM #000



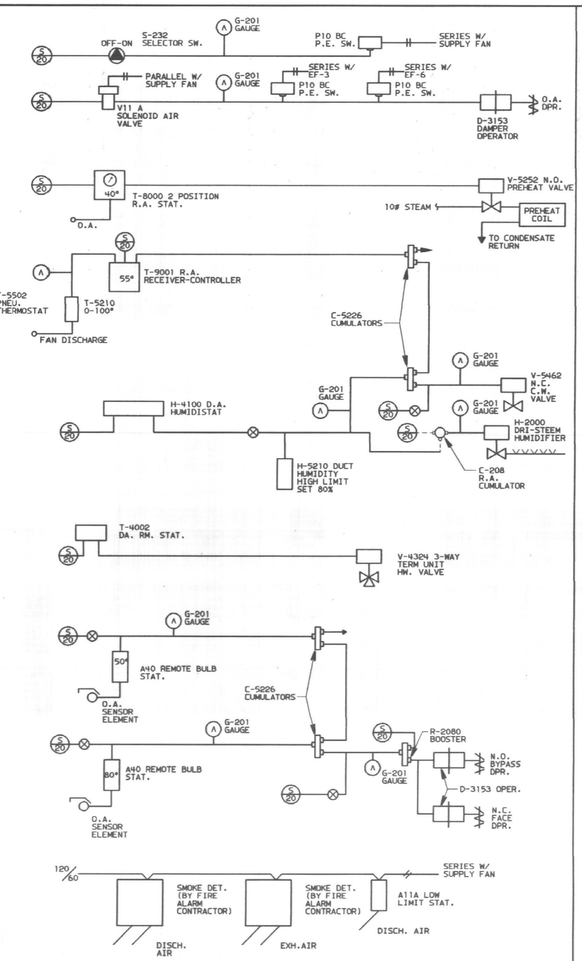
AIR COMPRESSOR CONTROL



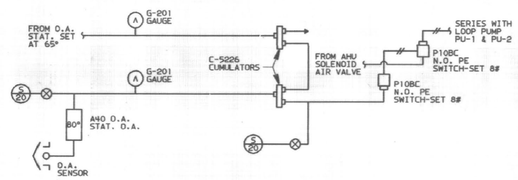
HYDRONIC HOT WATER CONTROL



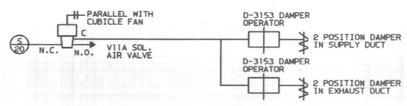
AHU #3 LARGE ANIMAL AREA CONTROL



AHU #2 SMALL ANIMAL LAB CONTROL



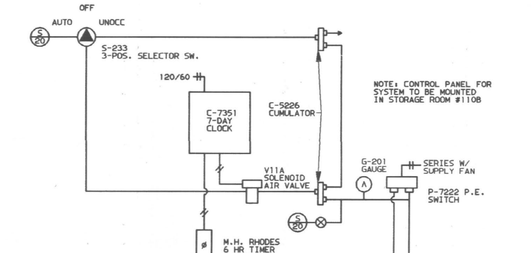
GLYCOL RUNAROUND SYSTEM
(NORTH AND SOUTH PENTHOUSES)

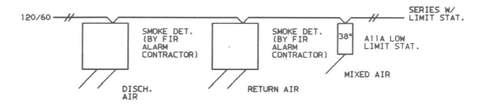


STERILE TRANSFER CUBICLE CONTROL
(ROOM 446)
(TYPICAL FOR EACH OF FOUR CUBICLES)

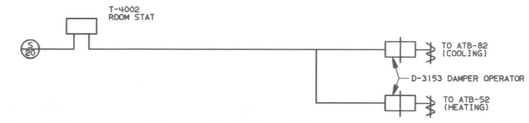
NOTE:
PART NUMBERS REFER TO COMPONENTS MANUFACTURED BY JOHNSON CONTROLS, INC. AND ARE INTENDED TO ESTABLISH A REFERENCE, SEE SPECIFICATIONS.

REFER TO BARBER-COLMAN O & M DRAWINGS

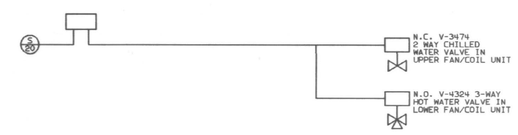




AUDITORIUM AHU-1

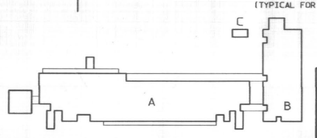


ROOM 309 CONTROL (LOUNGE AREA)



STAIRWELL HEATING/COOLING CONTROL
(TYPICAL)

HOT WATER BOOSTER HEATER CONTROL
(TYPICAL FOR ALL BOOSTER HEATERS)



KEY PLAN

RECORD DRAWING JUNE, 1988

CONTROL SCHEMATICS
MECHANICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
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APPROVED BY:
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DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
JJG, JAG

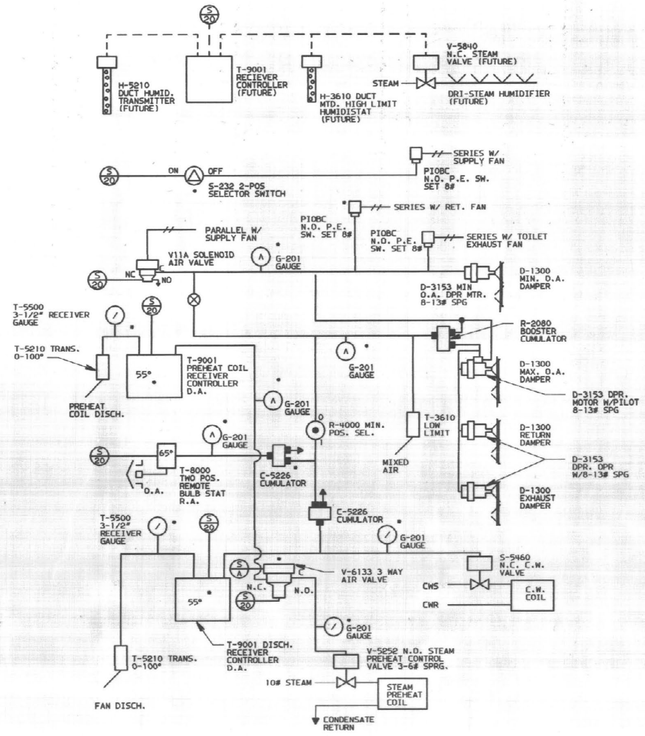
CHECKED BY
ALD, WDS

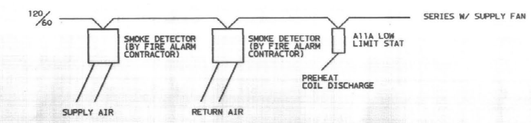
DATE
05-28-85

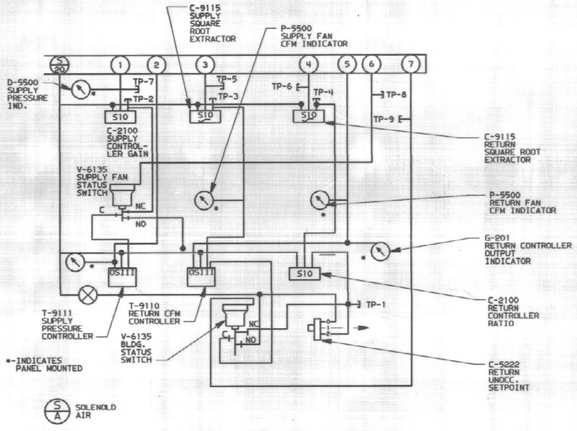
REVISIONS

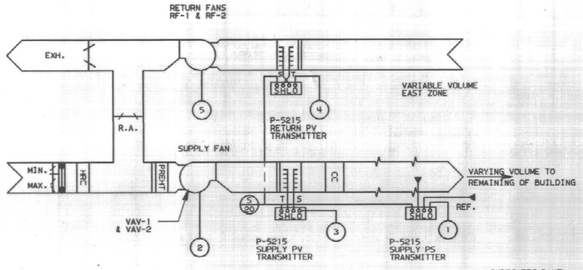
SHEET NUMBER
M2.4

8A12.01/CD/M2.4/5.28.85



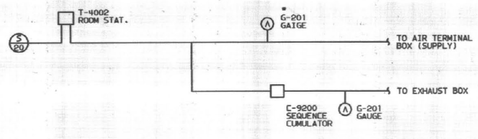






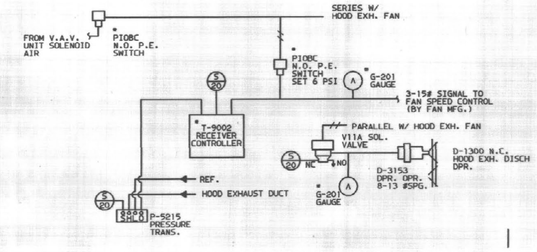
NORTH & SOUTH V.A.V. AHU CONTROL

NOTE: CONTROLS TO BE ADJUSTED DURING BALANCING TO CREATE 0.1" W.G. NEGATIVE PRESSURE IN LAB AREA. SEE SECTION 15831 OF SPECIFICATIONS FOR AIR TERMINAL BOXES.

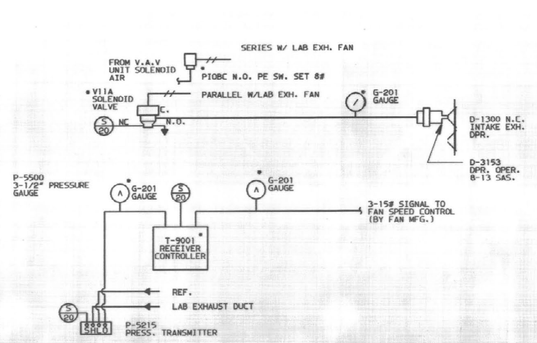


LAB TEMPERATURE/PRESSURE CONTROL

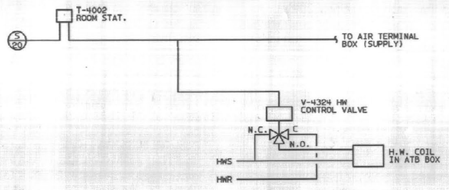
(TYPICAL FOR LABS WITHOUT FUME HOODS)



HOOD EXHAUST FAN CONTROL (EF-10,EF-15)



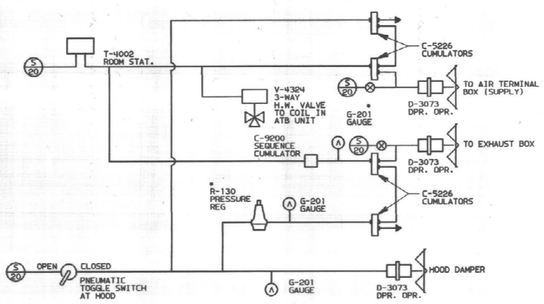
LAB EXHAUST FAN CONTROL (EF-9,EF-14)



AIR TERMINAL BOX (W/HEATING COIL) CONTROL

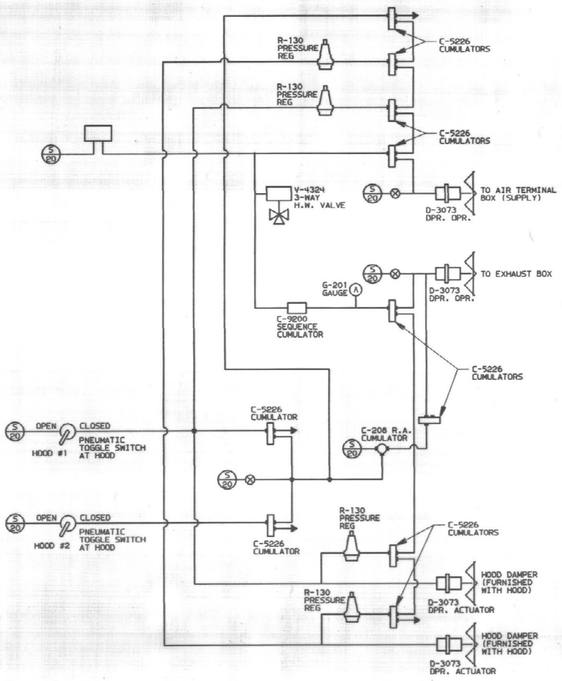
(TYPICAL FOR NON-LAB AREAS)

NOTE: CONTROLS TO BE ADJUSTED DURING BALANCING TO CREATE 0.1" W.G. NEGATIVE PRESSURE IN LAB AREA. SEE SECTION 15831 OF SPECIFICATIONS FOR AIR TERMINAL BOXES.



LAB TEMPERATURE/PRESSURE CONTROL

(TYPICAL FOR LABS WITH ONE FUME HOOD)



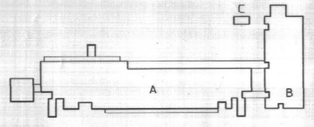
LAB TEMPERATURE/PRESSURE CONTROL

(TYPICAL FOR LABS WITH TWO FUME HOODS)

NO HOODS ON	ONE HOOD ON	TWO HOODS ON
(1) AIR TERMINAL BOX, TERMINAL HOT WATER VALVE AND EXHAUST BOX MODULATE IN SEQUENCE TO MAINTAIN DESIRED SPACE TEMPERATURE AND NEGATIVE PRESSURE IN LAB.	(1) AIR TERMINAL BOX GOES TO PRESET MINIMUM CFM (SEE A.T.B. SCHEDULE) (2) EXHAUST BOX GOES TO ATB SUPPLY AMOUNT MINUS OFFSET (SEE EB (SCHEDULE) (3) A.T.B., TERMINAL HOT WATER VALVE AND E.B. MODULATE IN SEQUENCE TO MAINTAIN DESIRED SPACE TEMPERATURE AND NEGATIVE PRESSURE IN LAB.	(1) AIR TERMINAL BOX GOES TO PRESET MINIMUM CFM (SEE A.T.B. SCHEDULE) (2) EXHAUST BOX GOES TO ATB SUPPLY AMOUNT MINUS OFFSET (SEE EB (SCHEDULE) (3) A.T.B., TERMINAL HOT WATER VALVE AND E.B. MODULATE IN SEQUENCE TO MAINTAIN DESIRED SPACE TEMPERATURE AND NEGATIVE PRESSURE IN LAB.

CONTROL OPERATING SEQUENCE FOR LABS WITH FUME HOODS

REFER TO BARBER-COLMAN O & M DRAWINGS



KEY PLAN

RECORD DRAWING JUNE, 1988

CONTROL SCHEMATICS MECHANICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION OF UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421
ITEMS ON SHEET
DRAWN BY JJG, JAG
CHECKED BY ALD, WDS
DATE 05-28-85
REVISIONS

Calc #	Sht	Document #	Date
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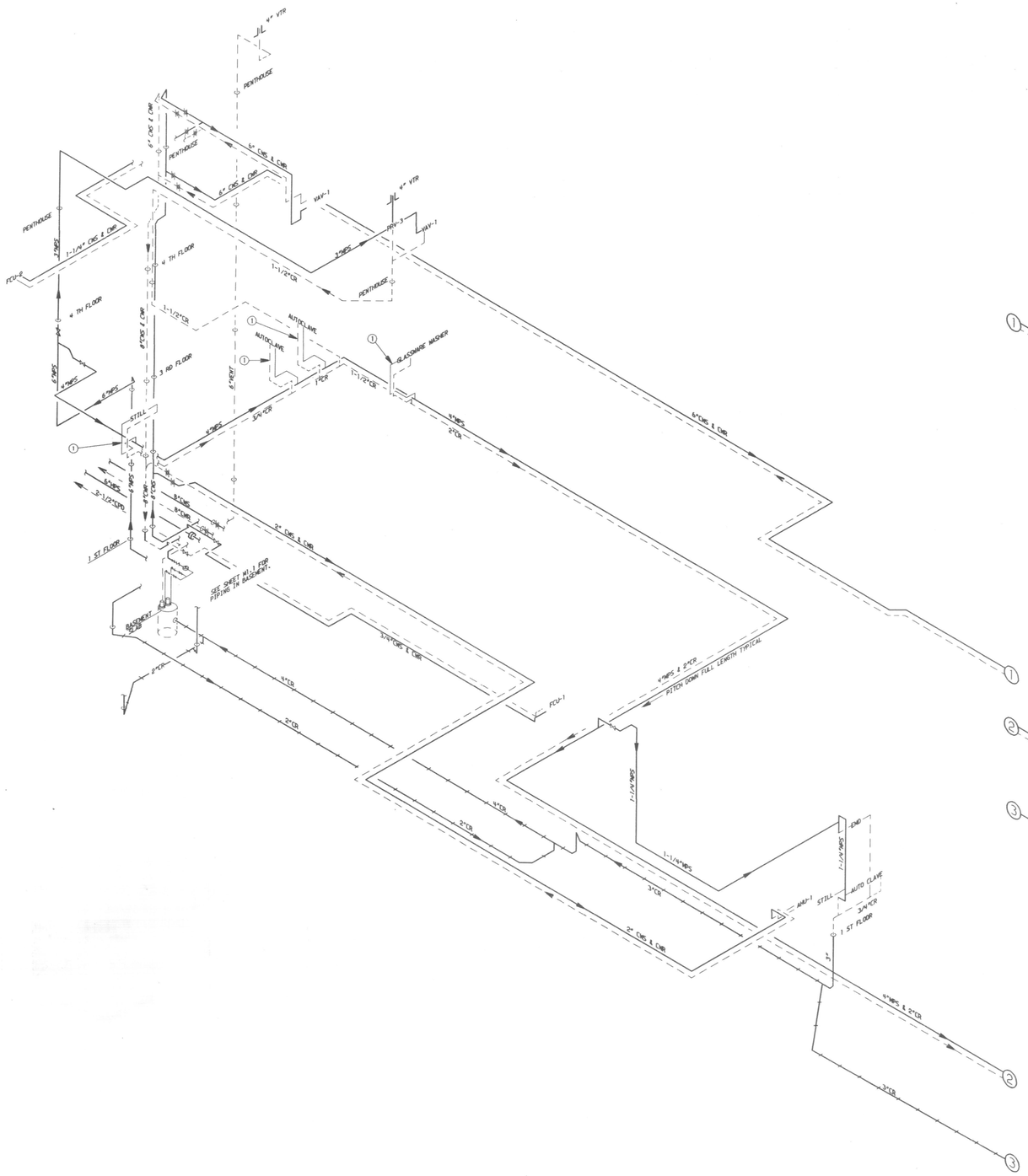
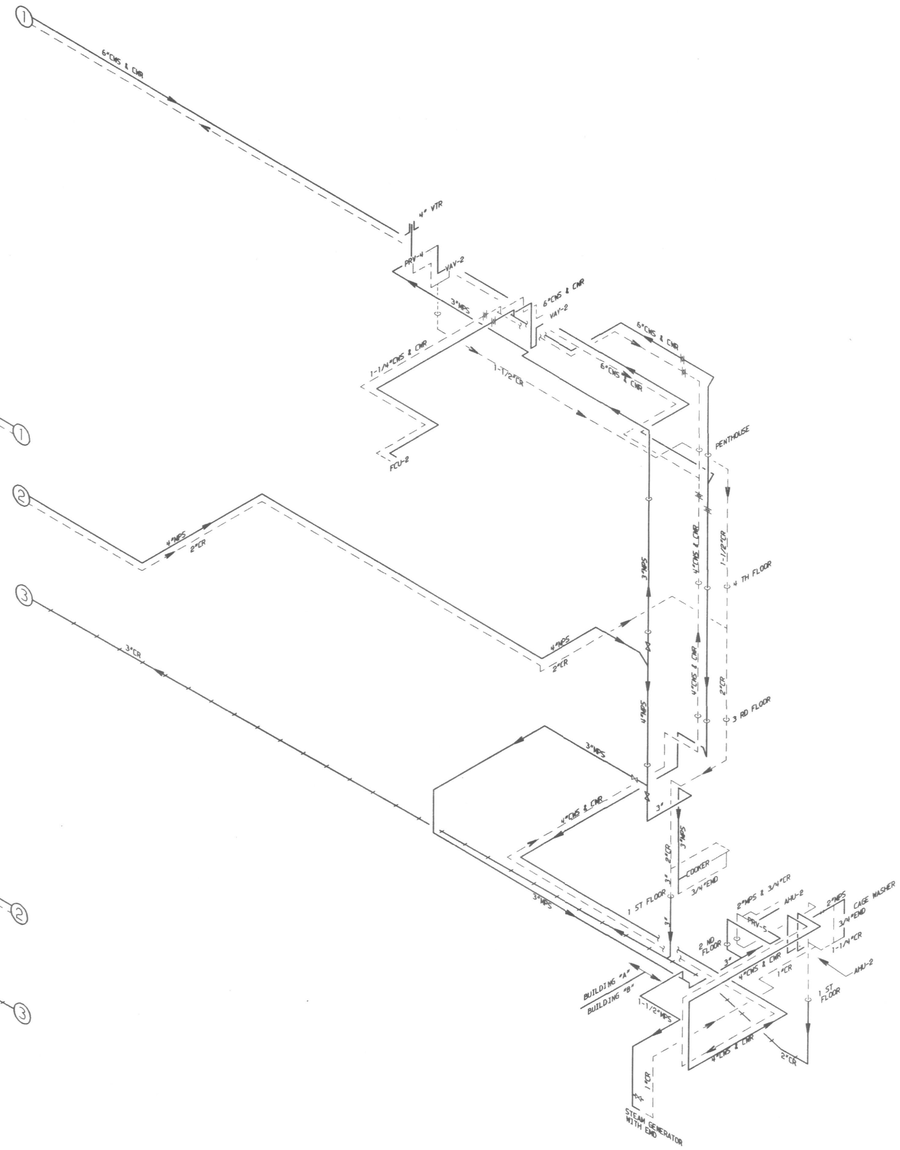
SHEET NUMBER M2.5

8412.01/CD/M2.5/5.28.85



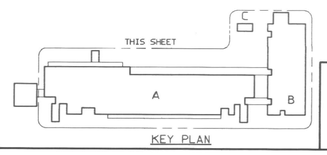


REFERENCE NOTE

① 1" SUPPLY AND 3/4" RETURN

STEAM AND CHILLED WATER RISER DIAGRAM

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



KEY PLAN

RECORD DRAWING JUNE, 1988

BUILDING "A" & "B" STEAM AND CHILLED WATER RISER DIAGRAM

SHEET NUMBER M2.6

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

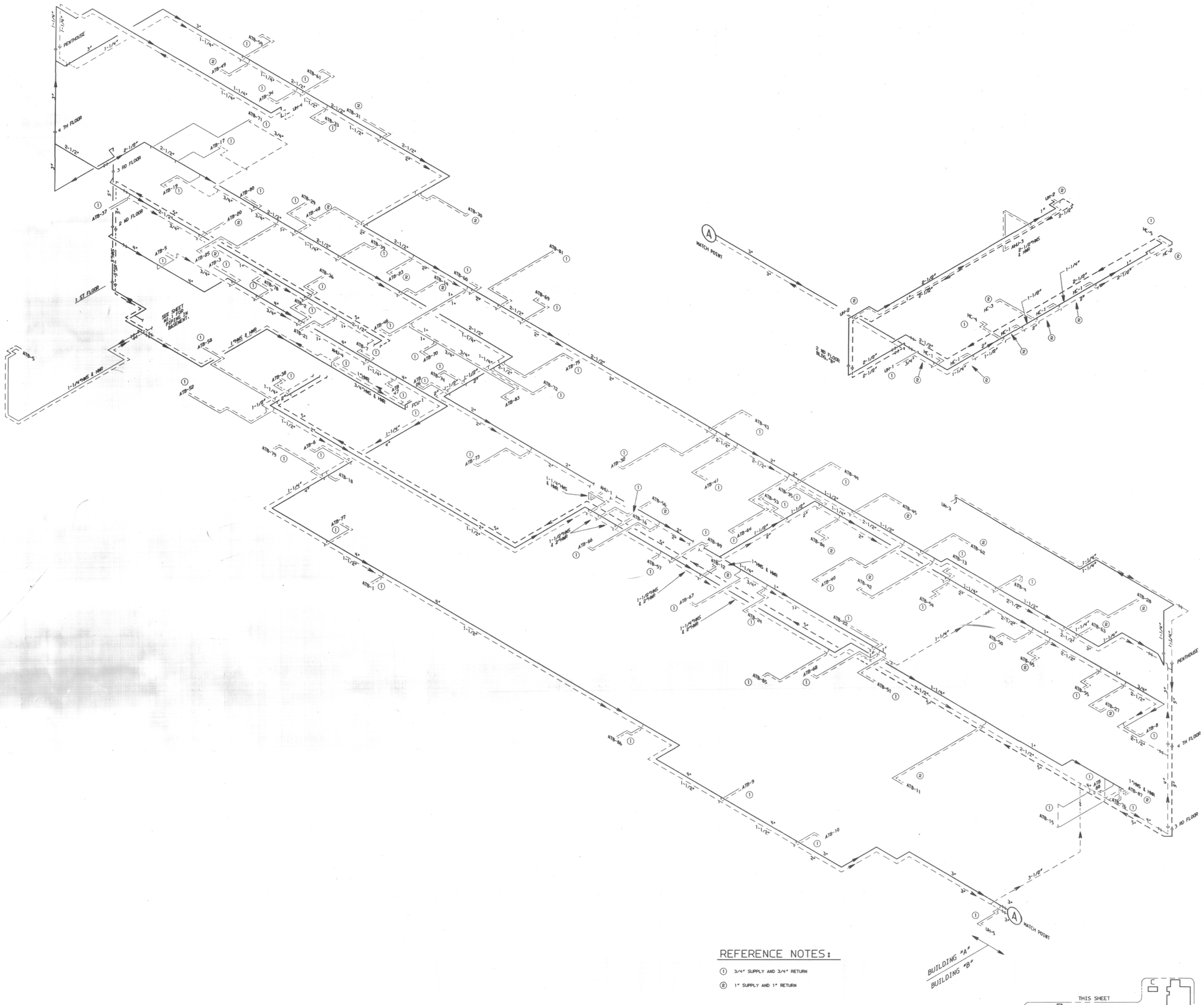
UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION, UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421
ITEMS ON SHEET
DRAWN BY DRB
CHECKED BY DRB ALD
DATE 05-28-85
REVISIONS 06/17/85

8412.01/CD/M2.6/5-28-85

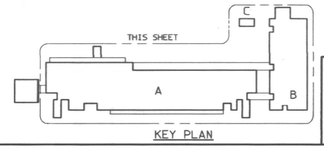


REFERENCE NOTES:

1. 3/4" SUPPLY AND 3/4" RETURN
2. 1" SUPPLY AND 1" RETURN

HEATING HOT WATER RISER DIAGRAM

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



KEY PLAN

RECORD DRAWING JUNE, 1988

BUILDING "A" & "B"
HEATING HOT WATER
RISER DIAGRAM

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 McDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK
EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
DRB

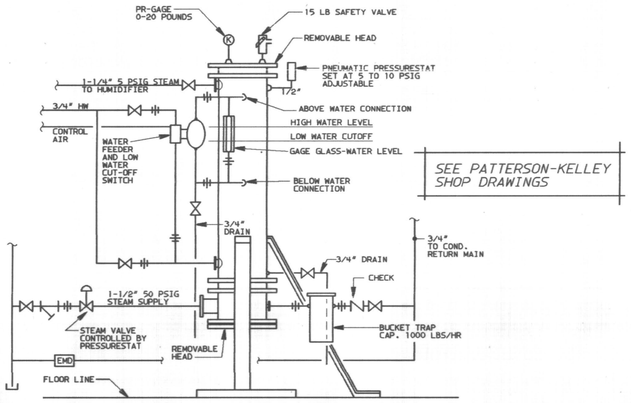
CHECKED BY
DRB ALD

DATE
05-28-85

REVISIONS
06/17/85

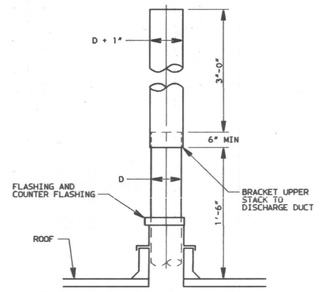
SHEET NUMBER
M2.7

8412.01/CD/M2.7/5-28-85



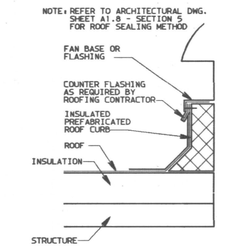
STEAM GENERATOR FOR HUMIDIFICATION - UNIT AHU-2

NO SCALE



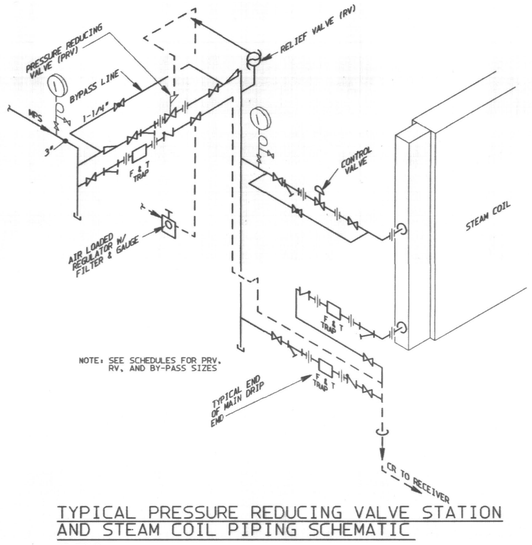
TYPICAL EXHAUST STACK DISCHARGE ON ROOF

NO SCALE



TYPICAL ROOF CURB DETAIL

NO SCALE



TYPICAL PRESSURE REDUCING VALVE STATION AND STEAM COIL PIPING SCHEMATIC

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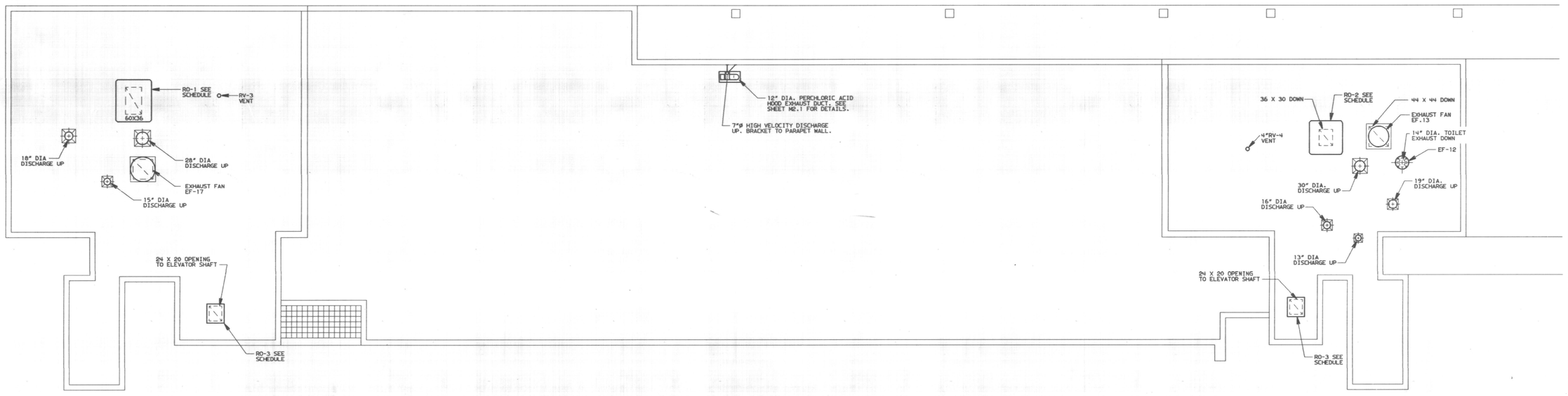
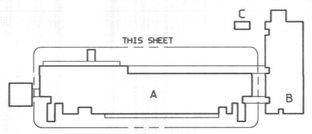


BUILDING "A" ROOF PLAN

SCALE: 1/8"=1'0"



KEY PLAN

RECORD DRAWING JUNE, 1988

BUILDING "A" ROOF PLAN AND DETAILS

SHEET NUMBER M1.11

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

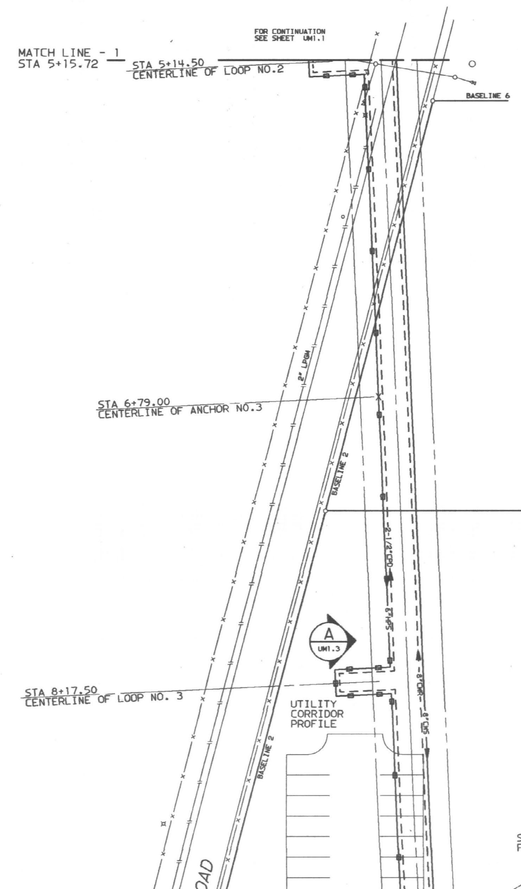
DRAWN BY DRB,SCR,CGT

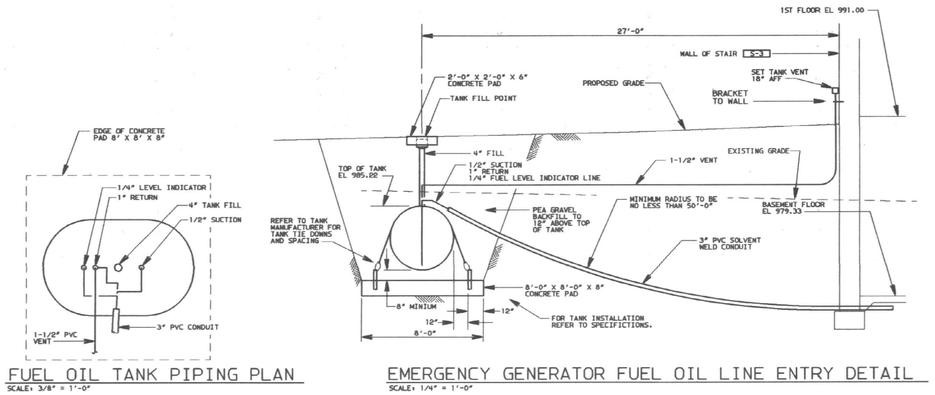
CHECKED BY TA,ALD

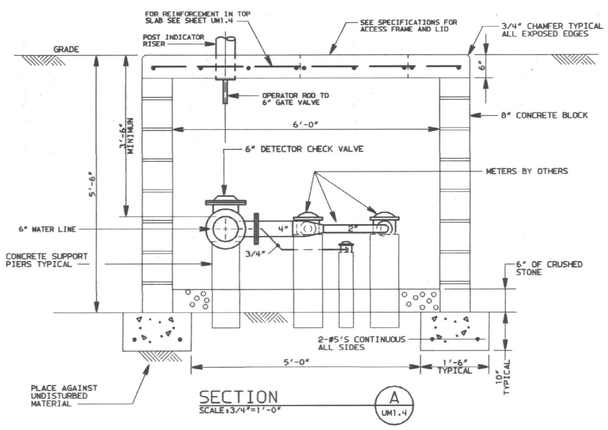
DATE 05-28-85

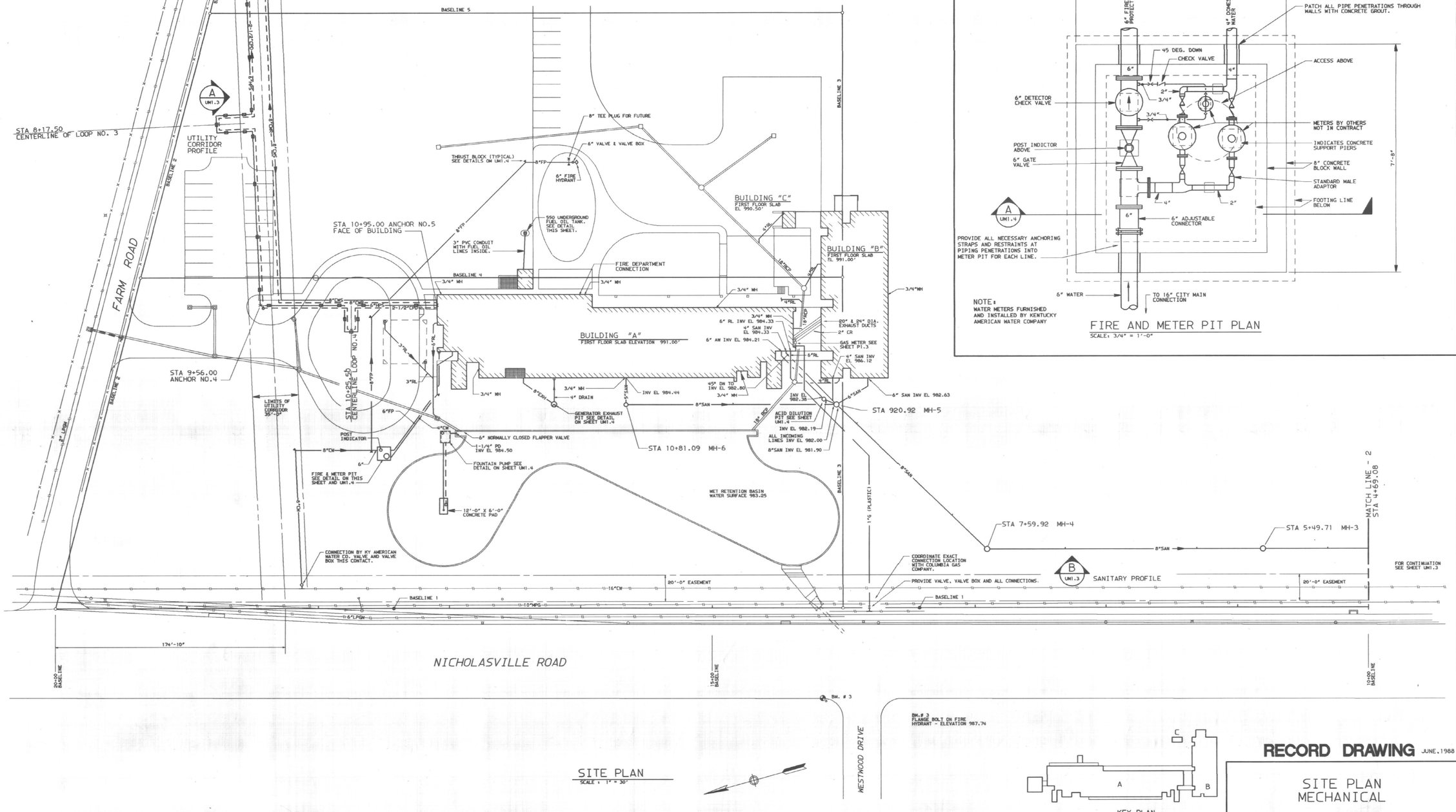
REVISIONS

8412.10/CD/M1.11/5.28.85









RECORD DRAWING JUNE, 1988

SITE PLAN MECHANICAL

SHEET NUMBER: UM1.2

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
509 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER
CERTIFIED

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

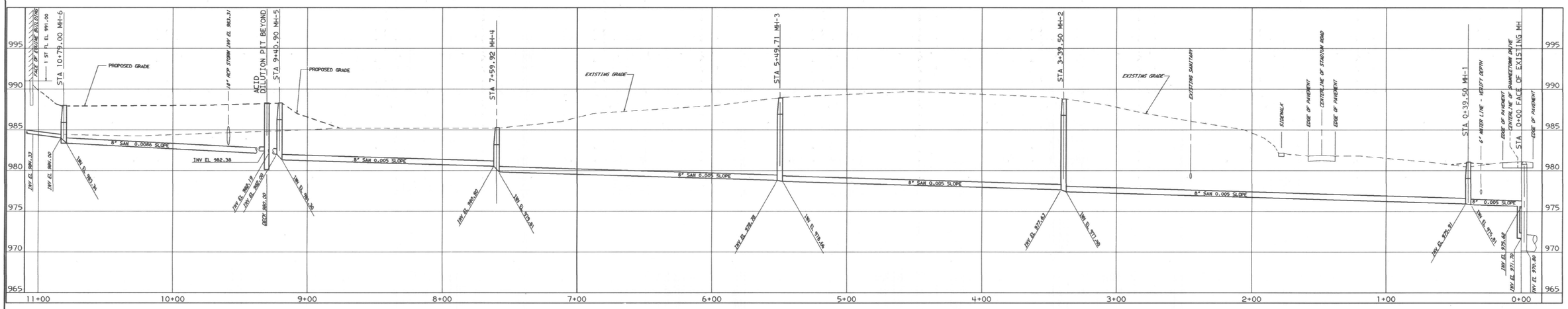
DRAWN BY
SCR DRB

CHECKED BY
PCG ALD

DATE
05-28-85

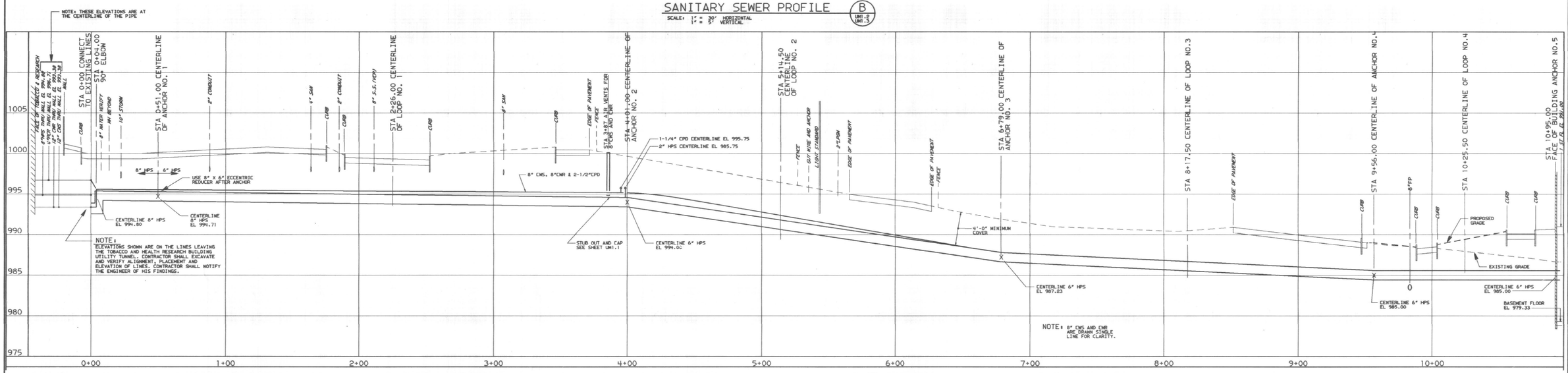
REVISIONS

8412.01/CD/UM1.2/5-28-85



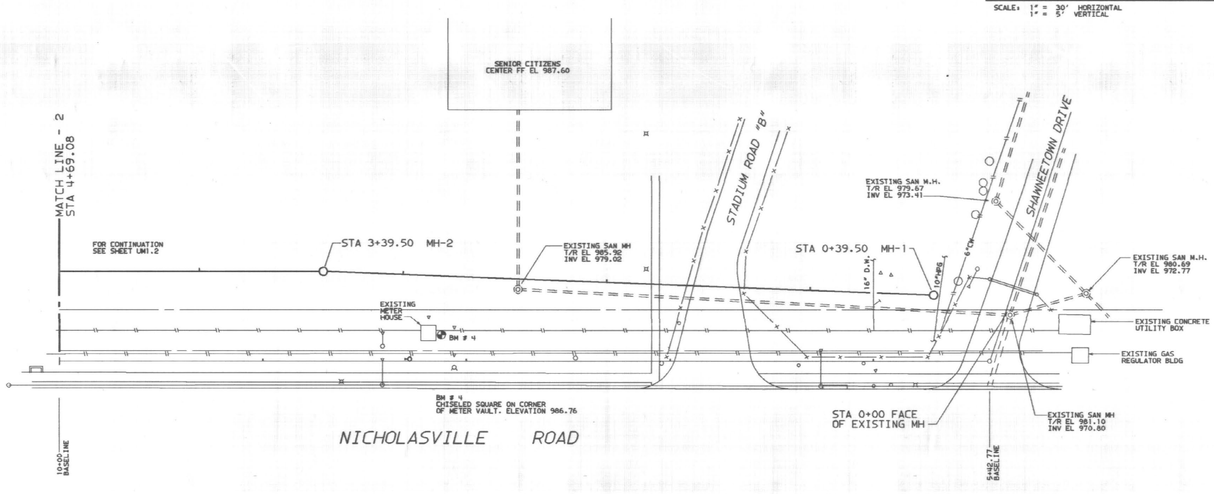
SANITARY SEWER PROFILE (B)

SCALE: 1" = 30' HORIZONTAL, 1" = 5' VERTICAL



UTILITY CORRIDOR PROFILE (A)

SCALE: 1" = 30' HORIZONTAL, 1" = 5' VERTICAL

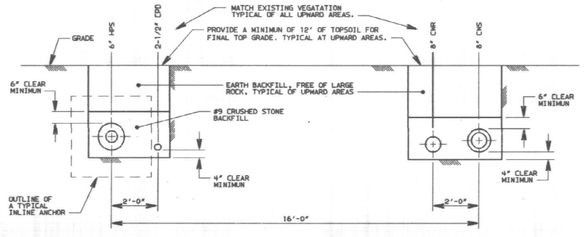


SITE PLAN

SCALE: 1" = 30'

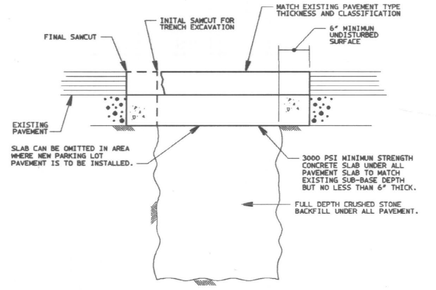
TYPICAL SECTION THROUGH UTILITY CORRIDOR STATION 8+00

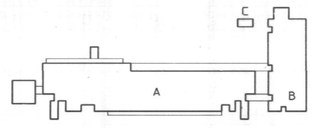
SCALE: 3/8" = 1'-0"



TRENCH DETAIL FOR PAVED AREAS

SCALE: 1" = 1'-0"





KEY PLAN

RECORD DRAWING JUNE, 1988

SITE PLAN MECHANICAL

UM1.3

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
861 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

DRAWN BY SCR DRB

CHECKED BY PCG ALD

DATE 05-28-85

REVISIONS

Cab #	Slot	Document #
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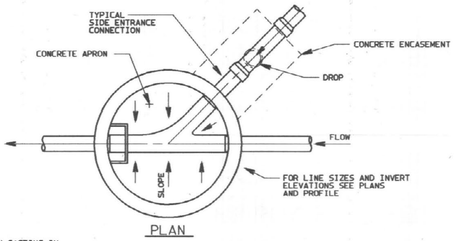
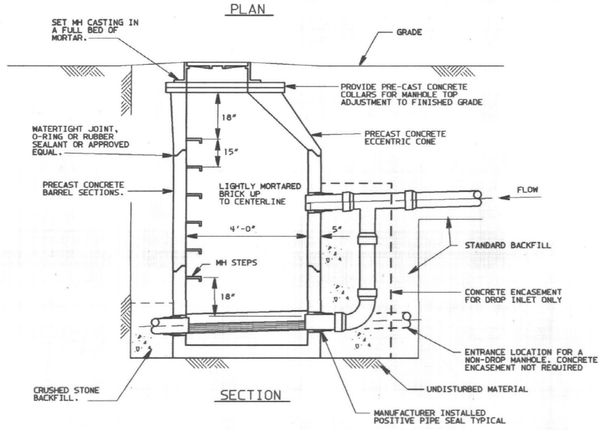
SHEET NUMBER UM1.3

8421.01/CD/UM1.3/5.28.85



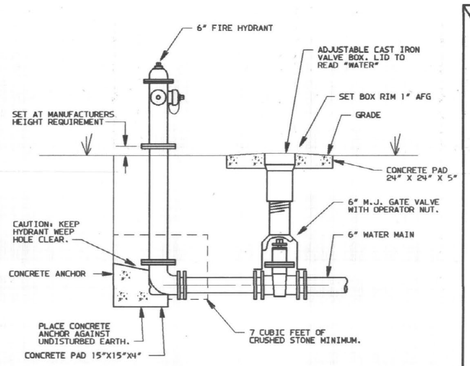
PLAN



SECTION

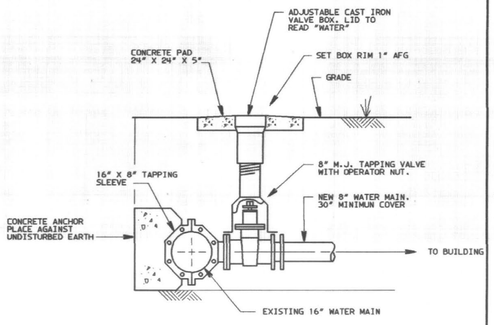
MANHOLE DETAIL

NO SCALE



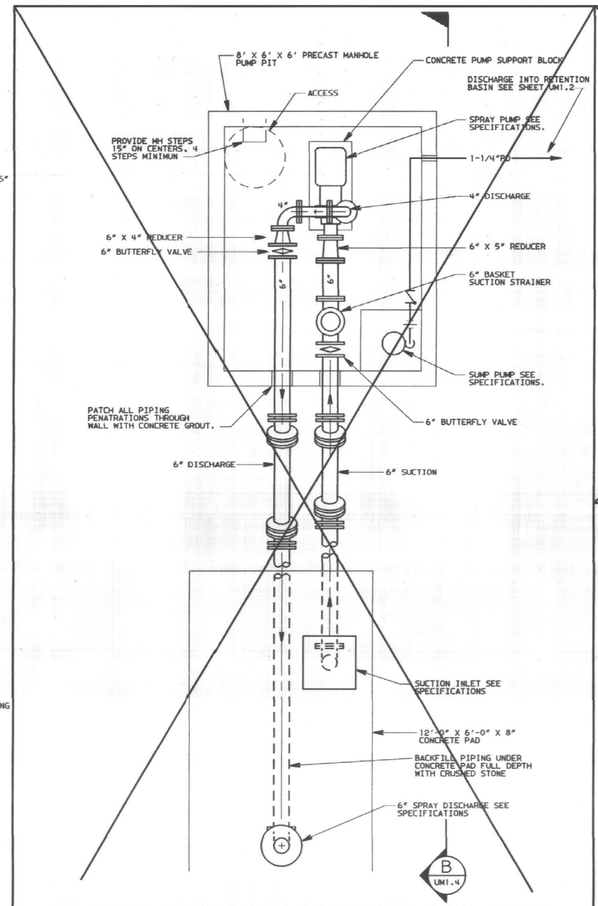
FIRE HYDRANT DETAIL

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



WATER MAIN CONNECTION DETAIL

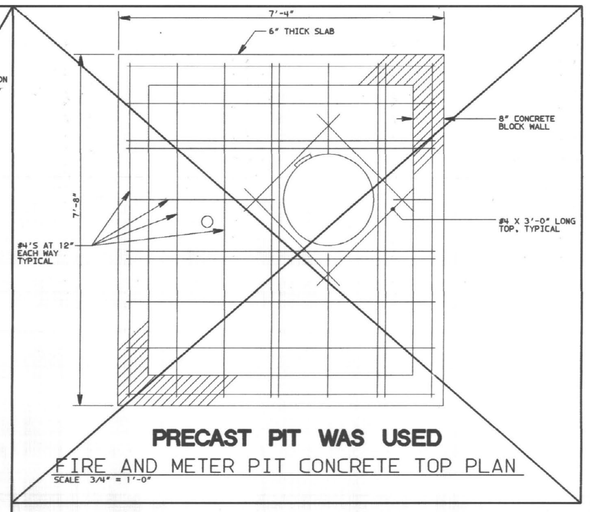
SCALE: 1/2" = 1'-0"



A SELF CONTAINED FOUNTAIN WAS USED

FOUNTAIN SPRAY PAD AND PUMP PIT PLAN

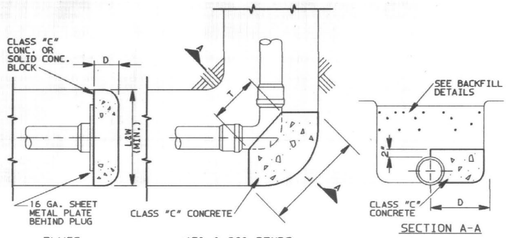
SCALE 1/2" = 1'-0"



PRECAST PIT WAS USED

FIRE AND METER PIT CONCRETE TOP PLAN

SCALE 3/4" = 1'-0"



PLUGS

45° & 90° BENDS

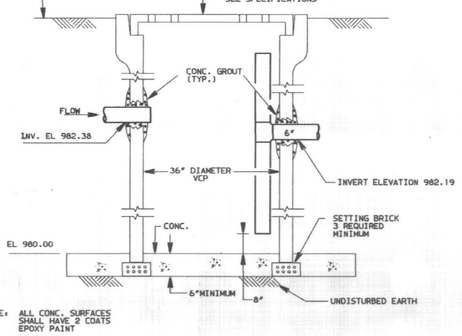
CONCRETE THRUST BLOCKS

SCALE: 1"=1'-0"

PLUGS							
SIZE	2"	3"	4"	6"	8"	10"	12"
D	6"	6"	6"	6"	6"	6"	6"
L&W	14"	16"	18"	20"	22"	24"	24"

(45°)EIGHTH BENDS							
SIZE	2"	3"	4"	6"	8"	10"	12"
D	6"	6"	6"	6"	6"	6"	6"
D	12"	14"	16"	18"	20"	22"	24"
T	10"	12"	14"	15"	16"	18"	18"

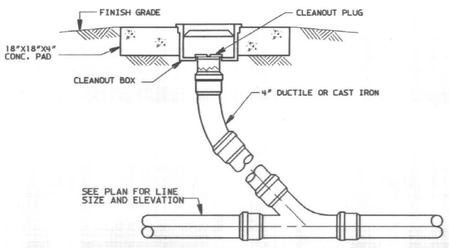
(90°)QUARTER BENDS							
SIZE	2"	3"	4"	6"	8"	10"	12"
D	6"	6"	6"	8"	10"	12"	12"
L	15"	18"	21"	24"	27"	30"	34"
T	10"	12"	14"	15"	18"	20"	22"



NOTE: ALL CONC. SURFACES SHALL HAVE 2 COATS EPOXY PAINT

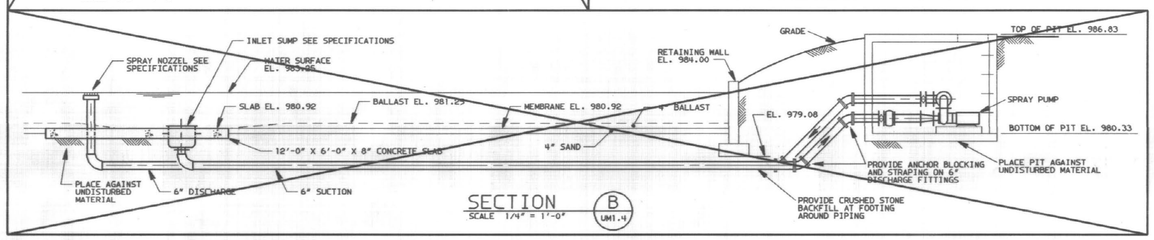
ACID DILUTION PIT DETAIL

NO SCALE



EXTERIOR CLEANOUT

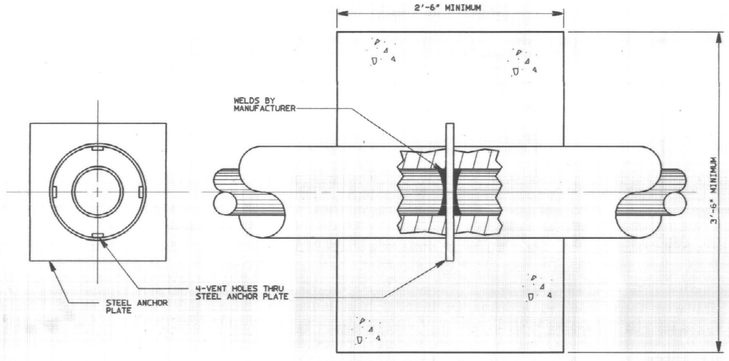
SCALE: 1"=1'-0"



SECTION

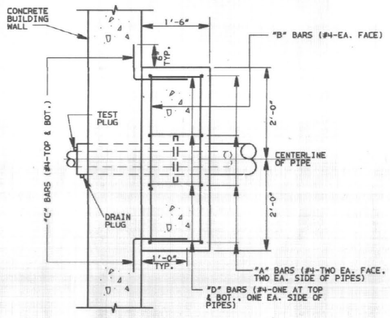
SCALE 1/4" = 1'-0"

B
UM1.4



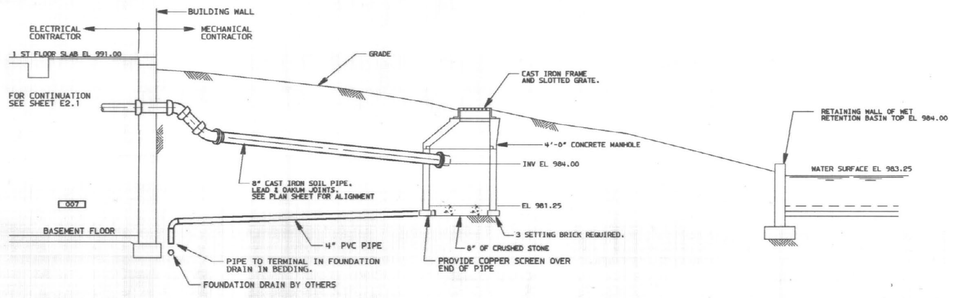
DETAIL OF TYPICAL FIELD ANCHOR

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



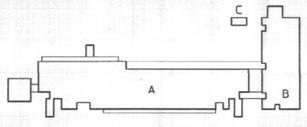
TYPICAL CONCRETE PIPE ANCHOR BLOCK DETAIL

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



EMERGENCY GENERATOR EXHAUST DISCHARGE DETAIL

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



KEY PLAN

RECORD DRAWING JUNE, 1988

SITE DETAILS MECHANICAL

SHEET NUMBER UM1.4

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:

DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY

DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

DRAWN BY SCR DRB

CHECKED BY PCG ALD

DATE 05-26-85

REVISIONS

Call # Sht Document # Init Date

84R21/CD/UM1.4/040895

VARIABLE VOLUME AIR HANDLING UNIT SCHEDULE

MARK	CFM	OUTSIDE AIR CFM	TOTAL SP IN H20	FAN MOTOR HP	FAN OUT VEL. FPM	FAN RPM	FAN MOTOR BHP	COOLING									HEATING					APPROX. UNIT WT. LBS	LOCATION	REMARKS
								MAX COIL FACE VEL FPM	TOTAL SENSIBLE BTUH	TOTAL BTUH	ENTERING AIR		LEAVING AIR		CHILLED WATER			ENT.LVG AIR °F	MAX COIL FACE VEL. FPM	NET COIL LOAD BTUH	LBS/HR STEAM	PSIG STEAM			
											D.B.	W.B.	D.B.	W.B.	GPM	ΔT	ENT OF	D.B.							
VAV-1	40,000	23,500 TO 40,000	6.5	75	1,941	1,108	57.0	570	1,331,760	2,308,350	85.8	71.6	55.0	54.0	456	10°F	46	0°,55°	570	2,300,000	2,400	10 PSIG	15,000	N. PENTHOUSE	1,2
VAV-2	40,000	32,000 TO 40,000	6.5	75	1,941	1,108	57.0	570	1,501,640	2,804,400	88.6	74.3	54.0	53.6	564	10°F	46	0°,55°	570	3,200,000	3,300	10 PSIG	15,000	S. PENTHOUSE	1,2

1. CENTRAL STATION AIR HANDLER, MEDIUM PRESSURE, BLOW-THROUGH, HORIZONTAL UNIT, FILTER AND MIXING BOX SECTION, CENTRIFUGAL AIR FOIL FAN, STEAM PRE-HEAT COIL AND COOLING COIL SECTIONS.
2. ELECTRONIC, VARIABLE TORQUE, FREQUENCY INVERTER.

CONSTANT VOLUME AIR HANDLING UNIT SCHEDULE

MARK	CFM	OUTSIDE AIR CFM	TOTAL SP IN H20	FAN MOTOR HP	FAN OUT VEL. FPM	FAN RPM	FAN MOTOR BHP	COOLING									HEATING					APPROX. UNIT WT. LBS	LOCATION	REMARKS
								MAX COIL FACE VEL FPM	SENSIBLE BTUH	TOTAL BTUH	ENTERING AIR		LEAVING AIR		CHILLED WATER			ENTERING AIR		NET COIL LOAD BTUH	GPM H.W. OR LBS/HR STEAM	AVERAGE WATER TEMP. OR PSIG STEAM			
											D.B.	W.B.	D.B.	W.B.	GPM	ΔT	ENT OF	D.B.							
AHU-1	2,400	750	1.75	1.5	1,263	1,058	1.13	500	78,548	110,315	83.4	68.0	54.0	53.1	22.1	10° F	46	48.4°	500	87,885	8.8 GPM	180°	1,000	AUDITORIUM	1,2,3,4,5,6
AHU-2	5,800	5,510	3.50	7.5	1,571	2,281	4.64	477	250,422	476,976	95.0	78.0	53.3	53.1	94.9	10° F	46	0°	477	530,878	558 LBS/HR	10 PSIG	1,200	BLDG. B RM. 241	1,2,7,8,9,10,11
AHU-3	3,400	3,400	2.50	3.0	1,265	2,053	2.05	---	---	---	---	---	---	---	---	---	---	0°	500	415,169	41.5 GPM	180°	900	BLDG. B RM. 241	1,3,8,9,10,12
AHU-4	1,400	150	1.00	0.5	1,750	1,161	0.43	---	---	---	---	---	---	---	---	---	---	-	500	25,450	2.5 GPM	180°	-	BASEMENT	1,3,4,5,6

1. HORIZONTAL, DRAW-THROUGH UNIT.
2. CHILLED WATER COIL.
3. HOT WATER COIL.
4. FORWARD CURVE FAN.
5. ANGULAR FILTER AND MIXING BOX.
6. EIGHT SPRING HANGER VIBRATION ISOLATORS FOR HORIZONTAL CEILING MOUNTING.
7. STEAM COIL AND HUMIDIFIER SECTION
8. ANGULAR FILTER SECTION.
9. SIX SPRING MOUNTING VIBRATION ISOLATORS FOR HORIZONTAL FLOOR MOUNTING.
10. AIR FOIL FAN.
11. TWO SPEED MOTOR; 2002 FAN RPM, 3.00 BHP, 2.00 IN S.P.
12. TWO SPEED MOTOR; 1698 FAN RPM, 1.06 BHP, 1.00 IN S.P.

EXHAUST FAN SCHEDULE

MARK	CFM	FAN RPM	T.S. FPM	FAN OUT VEL. FPM	FAN MOTOR BHP	FAN EXT. ST. PRESS. (IN. W.G.)	FAN MOTOR HP	VOLTS	PHASE	TYPE	APPROX. UNIT WT. LBS	SYSTEM	LOCATION	REMARKS
EF-1	270	1,550	3,350	---	---	0.250	1/12	110	1	DIRECT DRIVE	70	TOILET EXHAUST	BLDG. B ROOF OVER RM. 154	1,3,5
EF-2	480	689	2,630	---	---	0.250	1/6	110	1	V-BELT DRIVE	90	RM. 141 VENTILATION	BLDG. B ROOF OVER RM. 241	1,3,4,11
EF-3	5,400	1,275	---	1,700	3.50	3.000	5.0	208	3	V-BELT DRIVE	625	BLDG. B SMALL ANIMAL EXHAUST	SOUTH PENTHOUSE	2,6
EF-4	3,100	1,534	---	1,600	2.33	3.000	3.0	208	3	V-BELT DRIVE	500	BLDG. B LARGE ANIMAL EXHAUST	SOUTH PENTHOUSE	2,7
EF-5	2,100	510	2,645	---	---	0.125	1/6	110	1	V-BELT DRIVE	120	RM. 241 VENTILATION	BLDG. B ROOF OVER RM. 241	1,3,4,11
EF-6	620	1,983	---	975	0.23	1.750	1/2	208	3	V-BELT DRIVE	150	HEPA FILTER	BLDG. B RM. 153 CEILING	8
EF-7	1,080	1,134	---	---	0.75	1.000	1.0	208	3	V-BELT DRIVE	250	PERCHLORIC ACID RM. 114G	BLDG. A ROOF AT COLUMN K-7	9
EF-8	150	1,300	2,765	---	---	0.125	1/60	110	1	DIRECT DRIVE	95	ELEVATOR RM. VENTILATION	WALL OF RM. 003	15,17,18
EF-9	30,600	556	---	1,400	6.26	2.000	15	208	3	V-BELT DRIVE	1,650	LAB EXHAUST	SOUTH PENTHOUSE	2,10
EF-10	12,200	647	---	1,600	3.88	1.500	7.5	208	3	V-BELT DRIVE	983	HOOD EXHAUST	SOUTH PENTHOUSE	2,10,12
EF-11	1,100	2,192	---	1,300	0.76	2.500	1.5	208	3	V-BELT DRIVE	190	PARASITOLOGY RM. 310A	SOUTH PENTHOUSE	2
EF-12	1,100	940	4,065	---	---	0.500	1/2	208	3	V-BELT DRIVE	110	BLDG. A SOUTH TOILET	ROOF OF SOUTH PENTHOUSE	1,3
EF-13	5,500	385	3,025	---	---	0.125	1/2	208	3	V-BELT DRIVE	250	S. PENTHOUSE VENT. AIR	ROOF OF SOUTH PENTHOUSE	1,3,11
EF-14	20,000	441	---	1200	7.91	2.000	15	208	3	V-BELT DRIVE	2,465	LAB EXHAUST	NORTH PENTHOUSE	2,10
EF-15	8,000	699	---	1300	2.57	1.500	5	208	3	V-BELT DRIVE	750	HOOD EXHAUST	NORTH PENTHOUSE	2,10,12
EF-16	1,280	990	4,280	---	---	0.500	1/2	208	3	V-BELT DRIVE	100	BLDG. A NORTH TOILET	ROOF OF NORTH PENTHOUSE	1,3
EF-17	9,470	370	3,540	---	---	0.125	1	208	3	V-BELT DRIVE	375	N. PENTHOUSE VENT. AIR	ROOF OF NORTH PENTHOUSE	1,3,11
EF-18	2,400	1,725	7,224	---	---	0.125	1/4	110	1	DIRECT DRIVE	110	ELECTRICAL RM. VENTILATION	WALL OF RM. 000	4,16,18
EF-19	1,400	1,726	5,419	---	---	0.125	1/8	110	1	DIRECT DRIVE	100	BASEMENT VENTILATION	WALL OF RM. 000	16,17,18
EF-20	750 OR 2,400	724	---	1100	0.32	0.375	1/2	208	3	V-BELT DRIVE	120	AUDITORIUM AHU-4 R.A.	BLDG. A NEXT TO RM. 110	11,13,14
EF-21	150	1,550	2,837	---	---	0.125	0.13	110	1	DIRECT DRIVE	20	VENTILATION	WALL OF BLDG. C	1,3,17

1. CENTRIFUGAL ROOF EXHAUSTER.
2. CENTRIFUGAL AIR FOIL FAN CLASS 1, ARRANGEMENT 10, UP BLAST DISCHARGE, BASE.
3. ROOF CURB WITH BACK DRAFT DAMPER.
4. THERMOSTATICALLY CONTROLLED.
5. CONTROLLED BY LIGHT SWITCH.
6. TWO SPEED MOTOR; 1,039 FAN RPM, 2.09 BHP, 1.50 IN. W.G. S.P.
7. TWO SPEED MOTOR; 1,235 FAN RPM, 1.28 BHP, 1.50 IN. W.G. S.P.
8. CENTRIFUGAL, BACKWARD INCLINED UTILITY BLOWER, COUNTER CLOCKWISE, BOTTOM HORIZONTAL DISCHARGE, ARRANGEMENT 10.
9. PERCHLORIC ACID HOOD FAN, ALUMINUM HOUSING, STEEL IMPELLER WHEEL. KEM-FP COATING, FLANGED INLET AND OUTLET AND EXPLOSION PROOF MOTOR.
10. ELECTRONIC, VARIABLE TORQUE, FREQUENCY INVERTER WITH MANUAL BY-PASS.
11. TWO SPEED MOTOR.
12. KEM-FP COATING, BAKED PHENOLIC OR EQUAL ON AIRSTREAM PARTS.
13. IN-LINE CENTRIFUGAL BLOWER, 20" DIAMETER INLET AND OUTLET.
14. USED WITH AHU-1
15. CENTRIFUGAL SIDEWALL.
16. SIDEWALL PROPELLER, PANEL MOUNTED.
17. TO RUN CONTINUOUSLY.
18. BIRDSCREEN, BACK DRAFT DAMPER, AND SAFETY SCREEN.

HEAT RECOVERY COIL

MARK	CFM	MAX. COIL FACE VEL. FPM	SUMMER						WINTER						FIN SIZE L & H	APPROX. UNIT WT. LBS	LOCATION	REMARKS
			ENTERING AIR TEMP.		LEAVING AIR TEMP.		TOTAL BTUH	GLYCOL GPM	ENTERING AIR TEMP.		LEAVING AIR TEMP.		TOTAL BTUH	GLYCOL GPM				
			D.B. °F	W.B. °F	D.B. °F	W.B. °F			D.B. °F	W.B. °F	D.B. °F	W.B. °F						
HRC-1	23,500	230	95	78	87.0	75.8	199,370	85	0	---	28.0	---	714,300	85	54"X120"	900 EA.	N. PENTHOUSE	1,2
HRC-2	12,100 TO 20,000	410	75	62.5	89.5	---	199,370	85	75	62.5	40.2	40.0	714,300	85	42"X84"	400 EA.	N. PENTHOUSE	2,3
HRC-3	32,200	330	95	78	87.4	76.0	268,800	120	0	---	29.7	---	1,042,200	120	54"X120"	900 EA.	S. PENTHOUSE	2
HRC-4	18,400 TO 30,600	457	75	62.5	88.4	---	268,800	120	75	62.5	40.9	40.7	1,042,200	120	48"X96"	410 EA.	S. PENTHOUSE	2,3
HRC-5	1,100	280	75	62.5	88.0	33.0	10,000	10	75	62.5	35.0	---	28,770	10	24"X24"	150	S. PENTHOUSE	4

1. COIL WILL SEE 40,000 CFM DURING ECONOMIZER CYCLE WITH VEL.= 410 FPM
2. TWO EACH
3. RECOVERY BASED ON MINIMUM CFM
4. RECOVERY BASED ON MAXIMUM CFM

DUCT SOUND ATTENUATOR SCHEDULE

MARK	CFM	DIMENSIONS, IN. W X H X L	MAX. P.D. (IN. W.G.)	MINIMUN REQUIRED ACOUSTIC RATINGS, dB								LOCATION
				RATED AT 2000 FPM	125	250	500	1K	2K	4K	8K	
SA-1	40,000	108 X 36 X 84	0.17	DIL	14	18	28	40	47	26	18	N. PENTHOUSE
				SN	51	51	49	47	50	44	35	S. PENTHOUSE
SA-2	16,500	120 X 42 X 36	0.10	DIL	12	16	28	35	35	28	17	N. PENTHOUSE
				SN	29	35	30	31	35	22	18	
SA-3	7,800	72 X 30 X 36	0.10	DIL	12	16	28	35	35	28	17	S. PENTHOUSE
				SN	29	35	30	31	35	22	18	

EXPANSION TANK SCHEDULE

MARK	TANK VOLUME GALLONS	MAX. SYSTEM TEMP. °F	MIN. SYSTEM TEMP. °F	MAX. OP. PRESSURE PSIG	MIN. OP. PRESSURE PSIG	HORIZONTAL LENGTH INCHES	DIAMETER INCHES	LOCATION	REMARKS
ET-1	10.9	110	-15	15	2	26	12	N. PENTHOUSE	1,2
ET-2	10.9	110	-15	20	2	26	12	S. PENTHOUSE	1,2
ET-3	158.0	200	40	75	30	64	30	BASEMENT	1,3

1. DIAPHRAM TYPE, PRE-PRESSURIZED, ASME TANK.
2. GLYCOL HEATING AND COOLING SYSTEM WITH RECOVERY COILS.
3. HEATING HOT WATER SYSTEM

PUMP SCHEDULE

MARK	GPM	HEAD FT. WATER	PUMP SIZE	APPROX. EFF.	MOTOR DATA				TYPE	LOCATION	REMARKS
					HP	RPM	VOLTS	PHASE			
PU-1	85	30	3X3X7	58%	1-1/2	1750	208	1	GLYCOL	N. PENTHOUSE	1
PU-2	130	32	3X3X7	68%	3	1750	208	1	GLYCOL	S. PENTHOUSE	1
PU-3	350	37	5X4X6-1/2 IMPELLER	75%	5	1750	208	1	HEATING HOT WATER	BASEMENT	2

1. IN-LINE CENTRIFUGAL PUMP, CLOSE COUPLED, SINGLE STAGE, ALL IRON CONSTRUCTION.
2. BASE MOUNTED CENTRIFUGAL PUMP.

AIR FILTER SCHEDULE

MARK	CFM	MAX. VEL. FPM	MAX. INIT. S.P. (IN. W.G.)	APPROX. W X H X D	APPROX. UNIT WT. LBS	LOCATION	REMARKS
AF-1	5,400	500	0.30	38"X51"X31"	648	BLDG. B RM. 241	1
AF-2	3,100	500	0.30	27"X51"X31"	483	BLDG. B RM. 241	1
AF-3	620	250	0.75	29"X25"X22"	180	BLDG. B RM. 153	2
AF-4	1,100	200	0.30	27"X27"X31"	300	S. PENTHOUSE	1
AF-5	32,200 TO 40,000	444	0.20	120"X108"X4"	340	S. PENTHOUSE	3
AF-6	18,400 TO 30,600	380	0.33	96"X96"X4"	220	S. PENTHOUSE	3
AF-7	23,500 TO 40,000	444	0.20	120"X108"X4"	340	N. PENTHOUSE	3
AF-8	18,160 TO 20,000	435	0.33	84"X84"X4"	220	N. PENTHOUSE	3

1. ACTIVATED CARBON FILTER, FOR ODOR CONTROL, WITH SIDE SERVICE REMOVABLE TRAYS. 2" PREFILER AND ACCESS DOOR.
2. HEPA HIGH EFFICIENCY FILTER WITH 2" PRE-FILTER IN SINGLE HOUSING WITH SIDE ACCESS DOOR.
3. 4" DISPOSABLE, EXTENDED AREA PANEL FILTER

STEAM PRESSURE REDUCING VALVE SCHEDULE

MARK	CAPACITY LB./HR/	INLET PRESSURE PSIG	OUTLET PRESSURE	VALVE SIZE	BY-PASS LINE SIZE	LOCATION	REMARKS
PRV-1	6,800	125	50	2-1/2"	1-1/2"	BASEMENT	1
PRV-2	5,000	125	10	2"	1"	BASEMENT	1
PRV-3	2,400	50	10	2"	1"	N. PENTHOUSE	1
PRV-4	3,300	50	10	2-1/2"	1-1/4"	S. PENTHOUSE	1
PRV-5	600	50	10	3/4"	1/2"	BLDG. B RM. 241	1

1. CAST BRONZE STEAM PRESSURE REDUCING VALVE AND AIR LOADER WITH FILTER AND PRESSURE GAUGE.

STEAM PRESSURE RELIEF VALVE SCHEDULE

MARK	INLET PRESSURE PSIG	CAPACITY LB./HR/	ORIFICE DESIGNATION	INLET X OUTLET SIZE	LOCATION
RV-1	50	7,800	L	3" X 4"	BASEMENT
RV-2	10	5,500	P	4" X 6"	BASEMENT
RV-3	10	2,700	L	3" X 4"	N. PENTHOUSE
RV-4	10	3,800	M	3" X 4"	S. PENTHOUSE
RV-5	10	1,150	J	2" X 2-1/2"	BLDG. B RM. 241

RETURN FAN SCHEDULE

MARK	CFM	FAN RPM	FAN OUT VEL. FPM	FAN MOTOR BHP	FAN EXT. ST. PRESS. (IN. W.G.)	FAN MOTOR HP	VOLTS	PHASE	TYPE	APPROX. UNIT WT. LBS	LOCATION	REMARKS
RF-1	16,500	1,623	2,394	9.98	1.5"	15	208	3	V-BELT DRIVE	1,885	N. PENTHOUSE	1,2
RF-2	7,800	1,273	1,395	2.98	1.5"	7-1/2	208	3	V-BELT DRIVE	1,010	S. PENTHOUSE	1,2

1. LOW PRESSURE, HORIZONTAL DOUBLE WIDTH FAN UNIT, CENTRIFUGAL AIR FOIL.
2. ELECTRONIC, VARIABLE TORQUE, FREQUENCY INVERTER WITH MANUAL BY-PASS.

UNIT HEATER SCHEDULE

MARK	BTUH	CFM	FAN MOTOR RPM	FAN MOTOR HP	THROW FT	MOUNTING HEIGHT FT	AV. WATER TEMP. °F	ΔT °F	GPM	LOCATION	REMARKS
UH-1	12,800	340	1,550	0.016	17	8	180°	10	1.3	BLDG. B RM. 141	1
UH-2	29,000	730	1,550	1/12	28	9	180°	10	2.9	BLDG. B RM. 241	1
UH-3	63,000	1,340	1,625	1/8	43	9	180°	10	6.3	S. PENTHOUSE	1
UH-4	81,000	2,010	1,625	1/8	43	9	180°	10	8.1	N. PENTHOUSE	1
UH-5	83,500	1,000	980	1/4	16	9	180°	10	10.1	W.AND S. FIRST FLOOR STAIRS	2

1. HORIZONTAL HOT WATER UNIT HEATER, FORCED AIR.
2. HORIZONTAL CABINET STYLE, HOT WATER.

HEATING COIL SCHEDULE

MARK	CFM	ENTERING AIR D.B.	LEAVING AIR D.B.	MAX. COIL FACE VEL. FPM	NET COIL LOAD BTU/HR	G.P.M.	COIL SIZE	AIR ΔP IN W.G.	WATER ΔP FT. WATER	LOCATION	REMARKS
HC-1	700	55°	118	500	47,495	4.8	18" X 18"	0.08	1.6	BLDG. B	1
HC-2	590	55°	109	500	34,407	3.5	18" X 18"	0.04	3.1	BLDG. B	1
HC-3	1,098	55°	110	500	65,523	4.4	18" X 18"	0.20	1.4	BLDG. B	1
HC-4	450	55°	110	500	19,215	2.0	12" X 12"	0.15	0.7	BLDG. B	1
HC-5	162	55°	110	500	9,700	1.0	8" X 8"	0.10	1.2	BLDG. B	1

1. WATER TEMP. IN = 180°F, WATER TEMP. OUT = 160°F

AIR TO AIR HEAT EXCHANGER SCHEDULE

MARK	CFM	APPROX. RECOVERY EFFICIENCY	EXHAUST AIR PRESSURE DROP (IN. W.G.)	SUPPLY AIR PRESSURE DROP (IN W.G.)	APPROX. UNIT WT. LBS	LOCATION	REMARKS
HX-1	5,400	65	1.5	1.5	900	BLDG. B RM. 241	1,2
HX-2	3,100	65	1.5	1.5	1,175	BLDG. B RM. 241	1,2

1. AIR TO AIR HEAT EXCHANGER, ALUMINUM CONSTRUCTION, COUNTER FLOW, STATIC FIXED PLATE.
2. STRUCTURAL FLOOR SUPPORT FRAME.

AIR RELIEF OUTLET SCHEDULE

MARK	CFM	THROAT AREA SQ FT	VELOCITY FPM	SIZE	S.P. LOSS IN. WATER	LOCATION	REMARKS
RO-1	16,500	22.5	778	54" X 60"	0.1	S. PENTHOUSE ROOF	1,2
RO-2	7,800	16.0	500	48" X 48"	0.1	N. PENTHOUSE ROOF	1,2
RO-3	GRAVITY	3.30	100	20" X 24"	0.05	ROOF OVER ELEVATOR SHAFTS	1

1. ROOF MOUNTED RELIEF OUTLET (EXHAUST) HOOD, BIRDSCREEN
2. BACK-DRAFT DAMPER

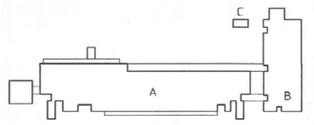
OUTSIDE AIR LOUVER SCHEDULE

MARK	CFM	SIZE	FREE AREA SQ. FT.	PRESSURE DROP (IN W.G.)	LOCATION	REMARKS
L-1	750 OR 2,400	36" X 36"	3.71	0.075	BLDG. A COLUMN J-8	1,2,3
L-2	480	24" X 24"	1.56	0.020	BLDG. B RM 141	1,2,3
L-3	5,800	50" X 50"	7.88	0.095	BLDG. B RM 241	1,2,3
L-4	3,400	40" X 40"	4.83	0.090	BLDG. B RM 241	1,2,3
L-5	2,100	32" X 32"	2.92	0.095	BLDG. B RM 242	1,2,3
L-6	32,200 TO 40,000	126" X 106"	44.57	0.145	SOUTH PENTHOUSE	1,2,3
L-7	3,369	52" X 52"	8.57	0.030	SOUTH PENTHOUSE	1,2,3
L-8	23,500 TO 40,000	126" X 106"	44.57	0.145	NORTH PENTHOUSE	1,2,3
L-9	9,470	64" X 64"	13.59	0.090	NORTH PENTHOUSE	1,2,3
L-10	2,425	32" X 36"	3.26	0.100	BASEMENT RM. 006	1,2,3
L-11	1,400	24" X 32"	2.11	0.075	BASEMENT RM. 006	1,2,3
L-12	750 OR 2,400	54" X 24"	3.82	0.070	BLDG. A COLUMN L-7	1,2,3,4
L-13	150	12" X 18"	0.45	0.020	BLDG. C	1,3

1. 4" LOUVER WITH ANODIZED MEDIUM BRONZE FINISH.
2. OPPOSED BLADE VOLUME CONTROL DAMPER.
3. BIRD SCREEN.
4. EXHAUST LOUVER

LEGEND:

- CFM - CUBIC FEET PER MINUTE
- PD - PRESSURE DROP
- NC - NOISE CONTROL
- KW - KILOWATT
- TS - TIP SPEED
- HP - HORSE POWER
- VAV - VARIABLE AIR VOLUME
- SEN - SENSIBLE
- ATB - AIR TERMINAL BOX
- W.G. - WATER GAUGE



KEY PLAN

RECORD DRAWING JUNE, 1988

SCHEDULES AND NOTES MECHANICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
509 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & REYNOLDS CONSULTING ENGINEERS
2941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
400 COMPONENT DRIVE
LEXINGTON, KENTUCKY 40505
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER: 8421
ITEMS ON SHEET:
DRAWN BY: JAG, CGT
CHECKED BY: TA, ALD
DATE: 05-28-85
REVISIONS: 06-24-85
SHEET NUMBER: M2.2

8412.01/CD/M2.2/5.28.85

SUPPLY AIR DIFFUSER SCHEDULE

MARK	CFM	PLATE SIZE	LOUVERED AREA	DUCT CONNECTION	NOISE CRITERA	THROW	TYPE	PRESSURE DROP (IN W.G.)	REMARKS
S-1	100	48" X 3/4"	4 FT LONG	6" DIAMETER	LESS THAN 20	2-9 FT	AIR HANDLING LIGHT FIXTURE	0.060	3
S-2	350	16" X 16"	16" X 16"	12" X 12"	LESS THAN 30	5-7 FT	CEILING DRYWALL	0.039	1,2
S-3	295	16" X 16"	16" X 16"	12" X 12"	LESS THAN 30	4-6 FT	CEILING DRYWALL	0.028	1,2
S-4	550	24" X 24"	24" X 24"	12" DIAMETER	31	12 FT	CEILING T-BAR	0.058	1,2
S-5	150	24" X 24"	24" X 24"	6" DIAMETER	LESS THAN 20	4.5 FT	CEILING T-BAR	0.037	1,2
S-6	255	13" X 13"	13" X 13"	9" X 9"	LESS THAN 30	5-6 FT	EXPOSED DUCT STUB	0.065	1,2
S-7	390	16" X 16"	16" X 16"	12" X 12"	LESS THAN 30	5-7 FT	EXPOSED DUCT STUB	0.049	1,2
S-8	126	24" X 24"	24" X 24"	7" DIAMETER	LESS THAN 20	4.5 FT	CEILING T-BAR	0.026	1,2
S-9	162	24" X 24"	24" X 24"	7" DIAMETER	LESS THAN 20	6 FT	CEILING T-BAR	0.043	1,2
S-10	89	24" X 24"	24" X 24"	6" DIAMETER	LESS THAN 20	3.5 FT	CEILING T-BAR	0.025	1,2
S-11	152	24" X 24"	24" X 24"	7" DIAMETER	LESS THAN 20	5.5 FT	CEILING T-BAR	0.038	1,2
S-12	442	24" X 24"	24" X 24"	14" DIAMETER	LESS THAN 20	11 FT	CEILING T-BAR	0.022	1,2
S-13	250	62" X 4"	3/4" SLOT	N/A	LESS THAN 20	10 FT.	PLASTER FRAME	0.030	4
S-14	200	62" X 4"	3/4" SLOT	N/A	LESS THAN 20	10 FT.	PLASTER FRAME	0.035	4
S-15	175	13" X 13"	13" X 13"	9" X 9"	LESS THAN 20	3 FT.	EXPOSED DUCT STUB	0.057	1

1. HORIZONTAL ADJUSTABLE FOUR-WAY BLOW.
2. STEEL CONSTRUCTION.
3. DOUBLE TROFFER DIFFUSER, HORIZONTAL ADJUSTABLE AIR PATTERN AND VOLUME CONTROLLER, SIDE INLET, LOCKING TAB FOR RECESSED 2' X 4' LIGHT FIXTURE.
4. ALUMINUM LINEAR CEILING DIFFUSER, PARALLEL FLOW, ONE WAY, 6 FT. LONG, 2-SLOT, 13/16" BORDER.

RETURN AIR GRILLE, REGISTER AND DIFFUSER SCHEDULE

MARK	CFM	PLATE SIZE	DUCT CONNECTION	N. C.	TYPE	PRESSURE DROP (IN W.G.)	REMARKS
R-1	480	18" X 18"	14" X 14"	25	WALL GRILLE	0.026	1,2,3,4,5
R-2	720	24" X 24"	24" X 24"	LESS THAN 20	EGG CRATE	0.050	9
R-3	650	19" X 19"	16" X 16"	LESS THAN 20	CEILING DRYWALL	0.050	2,6,7
R-4	620	17" X 17"	14" X 14"	LESS THAN 20	CEILING DRYWALL	0.055	2,6,7
R-5	575	24" X 24"	14" X 14"	LESS THAN 20	CEILING T-BAR	0.050	2,6,7
R-6	200	24" X 24"	10" X 10"	LESS THAN 20	CEILING T-BAR	0.065	2,6,7
R-7	380	18" X 18"	14" X 14"	25	EXPOSED DUCT WALL GRILLE	0.050	1,2,3,4,5
R-8	540	20" X 20"	16" X 16"	25	EXPOSED DUCT GRILLE	0.050	1,2,3,4,5
R-9	475	20" X 20"	16" X 16"	25	EXPOSED DUCT WALL GRILLE	0.050	1,2,3,4,5
R-10	475	20" X 20"	16" X 16"	29	EXPOSED DUCT GRILLE	0.050	1,2,3,4,5
R-11	150	24" X 24"	8" X 8"	LESS THAN 20	CEILING T-BAR	0.030	2,6,7
R-12	170	24" X 24"	8" X 8"	LESS THAN 20	CEILING T-BAR	0.040	2,6,7
R-13	94	24" X 24"	8" X 8"	LESS THAN 20	CEILING T-BAR	0.010	2,6,7
R-14	152	24" X 24"	8" X 8"	LESS THAN 20	CEILING T-BAR	0.030	2,6,7
R-15	500	24" X 24"	12" X 12"	LESS THAN 20	CEILING T-BAR	0.055	2,6,7
R-16	170	24" X 24"	8" X 8"	LESS THAN 20	CEILING T-BAR	0.040	2,6,7
R-17	150	16" X 16"	12" X 12"	25	EXPOSED DUCT GRILLE	0.020	1,2,3,4,5

1. 0° BLADE DAMPER.
2. OPPOSED BLADE DAMPER.
3. HORIZONTAL BLADES.
4. 500 FPM BASED ON 80% FREE AREA.
5. STEEL CONSTRUCTION.
6. ALUMINUM CONSTRUCTION.
7. RETURN DIFFUSER, PERFORATED.
8. RETURN GRILLE.
9. EGG CRATE.

FAN COIL SCHEDULE

MARK	CFM	HEATING	COOLING	H.W. GPM	C.W. GPM	HP	LOCATION
FCU-1	250	2,600	4,100	1.0	1.6	1/6	BASEMENT
FCU-2	1,200	---	35,500	---	7.3	1/3	N. AND S. FOURTH FLOOR STAIRS

TRANSFER GRILLE SCHEDULE

MARK	CFM	SIZE (WXH)	P.D.	TYPE	REMARKS
TG-1	150	10 X 8	0.01	WALL	1,2
TG-2	75	8 X 4	0.01	WALL	1,2
TG-3	100	24 X 14	0.01	WALL	1,2

1. FIRE DAMPER REQUIRED
2. STEEL CONSTRUCTION

EXHAUST HOOD SCHEDULE

MARK	LENGTH	CFM	DUCT SIZE	REMARKS
EH-1	4 FT.	720	12"ø	1
EH-2	6 FT.	1200	14"ø	1
EH-3	5 FT.	375	10"ø	2
EH-4	12 FT.	730	12"ø	2
EH-5	4 FT.	1180	12"ø	1

1. HOOD PROVIDED IN CASE WORK.
2. CONTRACTOR TO FABRICATE.

SUPPLY AIR SLOT DIFFUSER SCHEDULE

MARK	CFM	LENGTH	DISCHARGE	SLOTS	P.D.	THROW	FPM	N.C.
S-16	50	4 FT.	1 WAY	1	0.01	6 FT.	50	17
S-17	100	4 FT.	2 WAY	2	0.01	6 FT.	50	17
S-18	325	4 FT.	2 WAY	2	0.14	9 FT.	150	30
S-19	105	2 FT.	2 WAY	2	0.03	4 FT.	150	17
S-20	29	2 FT.	2 WAY	2	0.01	4 FT.	75	17
S-21	110	2 FT.	2 WAY	2	0.03	4 FT.	150	16
S-22	294	4 FT.	2 WAY	2	0.12	8 FT.	150	28
S-23	90	2 FT.	1 WAY	2	0.03	3 FT.	150	15
S-24	125	2 FT.	2 WAY	3	0.05	5 FT.	150	18
S-25	180	2 FT.	2 WAY	4	0.05	5 FT.	150	20
S-26	214	4 FT.	2 WAY	2	0.05	4 FT.	150	18
S-27	175	4 FT.	2 WAY	2	0.05	8 FT.	100	23
S-28	175	2 FT.	2 WAY	2	0.11	8 FT.	150	20
S-29	225	2 FT.	2 WAY	4	0.06	6 FT.	150	24
S-30	60	4 FT.	2 WAY	2	0.01	4 FT.	75	18
S-31	250	2 FT.	2 WAY	2	0.13	14 FT.	150	34
S-32	412	4 FT.	2 WAY	4	0.08	9 FT.	150	25
S-33	375	4 FT.	2 WAY	4	0.07	8 FT.	150	24
S-34	287	4 FT.	2 WAY	2	0.11	8 FT.	150	27
S-35	400	4 FT.	2 WAY	4	0.07	8 FT.	150	24
S-36	257	4 FT.	2 WAY	2	0.09	6 FT.	150	26
S-37	400	4 FT.	2 WAY	3	0.07	8 FT.	150	24
S-38	300	4 FT.	2 WAY	4	0.04	5 FT.	150	20
S-39	375	4 FT.	2 WAY	4	0.07	8 FT.	150	24
S-40	278	4 FT.	2 WAY	4	0.04	6 FT.	150	21
S-41	300	4 FT.	2 WAY	4	0.12	8 FT.	150	28
S-42	346	4 FT.	2 WAY	4	0.06	7 FT.	150	23
S-43	303	4 FT.	2 WAY	4	0.12	8 FT.	150	28
S-44	260	4 FT.	2 WAY	4	0.08	6 FT.	150	25
S-45	230	4 FT.	2 WAY	2	0.07	5 FT.	150	21
S-46	100	4 FT.	2 WAY	2	0.01	8 FT.	50	21
S-47	392	4 FT.	2 WAY	4	0.07	8 FT.	150	24
S-48	182	4 FT.	2 WAY	2	0.04	7 FT.	100	18
S-49	314	4 FT.	2 WAY	4	0.13	9 FT.	150	29
S-50	167	2 FT.	2 WAY	2	0.09	8 FT.	100	22
S-51	300	4 FT.	2 WAY	2	0.12	8 FT.	150	28
S-52	133	2 FT.	2 WAY	2	0.05	6 FT.	150	18
S-53	133	2 FT.	1 WAY	2	0.07	8 FT.	150	20
S-54	360	4 FT.	2 WAY	4	0.06	7 FT.	150	22
S-55	92	2 FT.	2 WAY	2	0.03	4 FT.	150	16
S-56	95	2 FT.	2 WAY	2	0.03	4 FT.	150	15
S-57	280	4 FT.	2 WAY	4	0.11	7 FT.	150	27
S-58	250	4 FT.	2 WAY	2	0.08	6 FT.	150	27
S-59	325	4 FT.	2 WAY	4	0.05	5 FT.	150	20
S-60	70	2 FT.	2 WAY	2	0.02	3 FT.	150	15
S-61	150	2 FT.	2 WAY	4	0.04	3 FT.	150	18
S-62	75	2 FT.	2 WAY	2	0.02	3 FT.	150	15
S-63	218	2 FT.	2 WAY	2	0.06	6 FT.	150	24
S-64	75	4 FT.	2 WAY	2	0.01	1 FT.	150	15
S-65	419	4 FT.	2 WAY	4	0.07	8 FT.	150	24
S-66	120	2 FT.	1 WAY	2	0.07	7 FT.	150	23
S-67	160	2 FT.	2 WAY	4	0.04	4 FT.	150	20
S-68	120	4 FT.	2 WAY	2	0.02	5 FT.	75	18
S-69	490	4 FT.	2 WAY	4	0.12	10 FT.	150	30
S-70	420	4 FT.	2 WAY	4	0.07	8 FT.	150	24
S-71	150	2 FT.	2 WAY	2	0.03	3 FT.	150	20
S-72	230	4 FT.	2 WAY	2	0.07	8 FT.	100	20
S-73	164	4 FT.	1 WAY	2	0.11	7 FT.	150	20
S-74	284	4 FT.	2 WAY	4	0.11	7 FT.	150	27
S-75	200	4 FT.	2 WAY	2	0.05	4 FT.	150	18
S-76	221	4 FT.	2 WAY	2	0.06	5 FT.	150	22
S-77	290	4 FT.	2 WAY	2	0.12	8 FT.	150	28
S-78	435	4 FT.	2 WAY	4	0.08	9 FT.	150	24
S-79	375	4 FT.	2 WAY	2	0.07	8 FT.	150	24
S-80	220	4 FT.	2 WAY	2	0.07	5 FT.	150	24
S-81	375	30 IN.	2 WAY	4	0.11	13 FT.	150	32
S-82	400	30 IN.	2 WAY	4	0.12	14 FT.	150	33
S-83	235	4 FT.	2 WAY	4	0.08	6 FT.	150	28
S-84	266	4 FT.	2 WAY	4	0.08	7 FT.	150	26
S-85	344	4 FT.	2 WAY	4	0.06	7 FT.	150	23
S-86	444	4 FT.	2 WAY	4	0.10	9 FT.	150	25
S-87	100	2 FT.	2 WAY	2	0.03	4 FT.	150	15
S-88	263	4 FT.	2 WAY	2	0.08	7 FT.	150	22
S-89	290	30 IN.	2 WAY	4	0.08	10 FT.	150	28
S-90	100	2 FT.	1 WAY	4	0.01	12 FT.	50	15
S-91	200	4 FT.	1 WAY	2	0.05	4 FT.	150	22
S-92	150	2 FT.	1 WAY	4	0.03	3 FT.	150	18
S-93	300	4" WIDE 16" LONG	1 WAY	FLOOR REGISTER	0.06	26 FT.	100	20
S-94	75	6 X 6	4 WAY	LOUVERED	0.06	3 FT.	100	20
S-95	300	9 X 9	4 WAY	LOUVERED	0.08	8 FT.	100	20
S-96	250	9 X 9	4 WAY	LOUVERED	0.08	5 FT.	100	20
S-97	150	9 X 9	4 WAY	LOUVERED	0.03	3 FT.	100	20
S-98	175	9 X 9	4 WAY	LOUVERED	0.03	3 FT.	100	20
S-99	215	9 X 9	4 WAY	LOUVERED	0.05	4 FT.	100	20
S-100	125	2 FT.	1 WAY	4	0.03	3 FT.	150	18
S-101	125	2 FT.	2 WAY	2	0.05	6 FT.	150	18
S-102	185	2 FT.	2 WAY	2	0.12	8 FT.	150	18
S-103	180	4 FT.	1 WAY	1	0.15	8 FT.	150	18
S-104	2400	30"X30"	DOUBLE DEFLECTION	WALL GRILLE	0.02	48 FT.	100	30

NOTE: ALL SUPPLY DIFFUSERS ARE LAY-IN, SLOT TYPE EXCEPT WHERE NOTED.

RETURN AIR GRILLE SCHEDULE

MARK	CFM	SIZE	DUCT CONNECTION
R-18	70	24 X 24	6"ø
R-19	325	24 X 24	9"ø
R-20	255	24 X 24	9"ø
R-21	1260	24 X 24	16"ø
R-22	1650	24 X 24	18"ø
R-23	1650	24 X 24	18"ø
R-24	115	12 X 12	6"ø
R-25	175	12 X 12	7"ø
R-26	200	24 X 24	8"ø
R-27	600	24 X 24	12"ø
R-28	225	24 X 24	8"ø
R-29	220	24 X 24	8"ø
R-30	1130	24 X 24	16"ø
R-31	1760	24 X 24	18"ø
R-32	135	24 X 24	7"ø
R-33	1650	24 X 24	18"ø
R-34	110	24 X 24	6"ø
R-35	612	24 X 24	12"ø
R-36	1320	24 X 24	16"ø
R-37	792	24 X 24	14"ø
R-38	1320	24 X 24	16"ø
R-39	775	24 X 24	14"ø
R-40	720	24 X 24	12"ø
R-41	1000	24 X 24	14"ø
R-42	1250	24 X 24	16"ø
R-43	616	24 X 24	12"ø
R-44	500	24 X 24	12"ø
R-45	700	24 X 24	12"ø
R-46	1382	24 X 24	16"ø
R-47	192	24 X 24	8"ø
R-48	130	24 X 24	7"ø
R-49	90	24 X 24	6"ø
R-50	175	12 X 12	8"ø
R-51	220	24 X 24	8"ø
R-52	132	24 X 24	7"ø
R-53	330	24 X 24	9"ø
R-54	1452	24 X 24	16"ø
R-55	75	24 X 24	6"ø
R-56	1078	24 X 24	14"ø
R-57	253	24 X 24	8"ø
R-58	960	24 X 24	14"ø
R-59	275	12 X 12 WALL GRILLE	9"ø
R-60	502	24 X 24	12"ø
R-61	1378	24 X 24	16"ø
R-62	1386	24 X 24	16"ø
R-63	800	24 X 24	14"ø
R-64	200	24 X 24	8"ø
R-65	375	24 X 24	10"ø
R-66	1238	24 X 24	16"ø
R-67	55	24 X 24	6"ø
R-68	242	24 X 24	8"ø
R-69	957	24 X 24	14"ø
R-70	311	24 X 24	9"ø
R-71	1295	24 X 24	16"ø
R-72	164	24 X 24	7"ø
R-73	972	24 X 24	14"ø
R-74	1200	24 X 24	16"ø
R-75	138	24 X 24	7"ø
R-76	976	24 X 24	14"ø
R-77	165	24 X 24	7"ø
R-78	1325	24 X 24	16"ø
R-79	715	24 X 24	12"ø
R-80	647	24 X 24	12"ø
R-81	585	24 X 24	12"ø
R-82	774	24 X 24	14"ø
R-83	235	24 X 24	8"ø
R-84	360	24 X 24	10"ø
R-85	1045	24 X 24	14"ø
R-86	453	24 X 24	10"ø
R-87	385	4 SLOTS 0.09" SP	NC 27
R-88	400	4 SLOTS 0.09" SP	NC 27
R-89	450	4 SLOTS 0.11" SP	NC 29
R-90	300	4 SLOTS 0.07" SP	NC 23
R-91	75	12 X 12	6"ø
R-92	400	24 X 24	10"ø
R-93	675	24 X 24	14"ø

NOTE: ALL SUPPLY DIFFUSERS ARE LAY-IN, SLOT TYPE EXCEPT WHERE NOTED.

SUPPLY AIR TERMINAL BOX SCHEDULE

MARK	COOLING CFM	HEATING				CFM SETTING ONE HOOD IN OPERATION	CFM SETTING TWO HOODS IN OPERATION	MAX AIR ΔP (IN W.G.)	NOISE CRITERIA	ROOM NUMBERS
		CFM	MBTUH	GPM	WATER ΔP FT. WATER					
ATB-1	720	360	15.6	1.6	0.9	---	---	0.08	25	109
ATB-2	800	400	17.3	1.7	1.0	---	---	0.10	26	108A
ATB-3	364	182	7.9	0.8	0.2	---	---	0.01	22	102,104,100C
ATB-4	1028	372	15.6	1.6	1.5	---	---	0.30	28	446
ATB-5	450	225	9.7	1.0	0.4	---	---	0.02	28	100A,100B
ATB-6	526	263	11.4	1.2	0.6	---	---	0.05	25	100D
ATB-7	535	268	11.6	1.2	0.6	---	---	0.05	25	108B
ATB-8	118	59	1.2	0.1	0.1	---	---	0.01	18	346A,348
ATB-9	675	345	14.9	1.5	0.8	---	---	0.08	29	119,121,123
ATB-10	775	393	17.0	1.7	1.0	---	---	0.10	26	125,127,129,131
ATB-11	1430	715	30.9	3.1	4.3	---	---	0.14	22	100F
ATB-12	1300	293	40.8	4.1	1.2	650	1300	0.22	22	114
ATB-13	2400	251	8.6	0.9	0.2	---	---	0.65	28	336
ATB-14	2408	363	52.8	5.3	0.6	1091	1746	0.56	27	318
ATB-15	600	300	9.7	1.0	0.5	---	---	0.12	24	100H,134
ATB-16	620	310	10.9	1.1	0.5	---	---	0.12	25	114A,112,110A
ATB-17	1408	401	21.3	2.1	1.6	655	---	0.41	27	302
ATB-18	300	150	6.5	0.7	0.2	---	---	0.01	26	100F
ATB-19	214	105	2.7	0.3	0.1	---	---	0.01	18	304
ATB-20	1500	750	32.4	3.2	4.3	---	---	0.15	21	202
ATB-21	500	250	10.8	1.1	0.4	---	---	0.10	26	204
ATB-22	400	400	8.6	0.9	0.2	---	---	0.02	26	300,338
ATB-23	1200	1200	38.9	3.9	4.0	---	---	0.05	19	400,411,413
ATB-24	975	900	29.2	2.9	2.5	---	---	0.11	19	300 NORTH
ATB-25	995	995	32.2	3.2	4.2	---	---	0.07	19	300,307,311,313
ATB-26	875	443	14.4	1.4	0.7	---	---	0.13	29	317,319,321
ATB-27	1256	270	33.3	3.3	5.1	1091	---	0.31	24	346
ATB-28	1600	251	35.6	3.6	5.8	1091	---	0.36	25	448
ATB-29	588	363	12.9	1.3	0.5	---	---	0.11	28	308
ATB-30	1740	372	57.1	5.7	3.6	1091	1745	0.11	21	416
ATB-31	1740	446	58.6	5.9	4.0	1091	1740	0.11	21	412
ATB-32	675	340	14.7	1.5	0.9	---	---	0.07	28	431,433,435
ATB-33	884	250	9.1	0.9	0.3	---	---	0.23	25	406
ATB-34	1175	202	7.4	0.7	0.2	---	---	0.28	25	404
ATB-35	1676	338	21.3	2.1	2.6	655	---	0.44	26	328
ATB-36	975	488	21.1	2.1	1.5	---	---	0.24	24	206
ATB-37	360	180	7.8	0.8	0.2	---	---	0.02	24	202,200
ATB-38	1105	653	28.2	2.8	3.5	---	---	0.22	23	200,207,205
ATB-39	650	105	6.2	0.6	0.1	---	---	0.15	26	312
ATB-40	450	225	9.7	1.0	0.3	---	---	0.02	28	443,445
ATB-41	900	900	29.2	2.9	3.7	---	---	0.16	20	400 NORTH
ATB-42	1000	1000	32.4	3.2	4.5	---	---	0.18	21	400 SOUTH,447
ATB-43	2076	558	24.6	2.5	0.5	---	---	0.52	27	430
ATB-44	1148	362	16.1	1.6	1.2	---	---	0.30	25	436
ATB-45	1500	362	36.4	3.7	4.7	1091	---	0.36	25	440
ATB-46	480	240	10.4	1.0	0.4	---	---	0.02	28	421
ATB-47	730	365	11.8	1.2	0.6	---	---	0.09	25	108,108C,108D
ATB-48	1400	1400	45.4	4.5	6.4	---	---	0.11	22	408,400,407
ATB-49	900	432	35.7	3.6	1.0	1091	---	0.11	20	402
ATB-50	1136	132	21.6	2.2	1.9	655	---	0.27	25	340
ATB-51	695	695	22.5	2.3	1.8	---	---	0.08	29	300 SOUTH
ATB-52	0	600	25.9	2.6	3.2	---	---	0.06	18	309 (LOWER)
ATB-53	556	126	4.7	0.5	0.1	---	---	0.11	27	332A
ATB-54	909	132	4.9	0.5	0.1	---	---	0.23	25	340A
ATB-55	174	68	3.9	0.4	0.1	---	---	0.01	19	346B
ATB-56	980	72	31.4	3.1	2.2	980	---	0.14	21	114B
ATB-57	430	215	6.0	0.6	0.2	---	---	0.02	25	116,122C
ATB-58	650	445	19.2	1.9	1.2	---	---	0.23	25	200
ATB-59	288	100	8.9	0.9	0.2	---	---	0.01	22	402B,404A
ATB-60	370	370	12.0	1.2	0.4	---	---	0.01	28	418,422A,422
ATB-61	283	146	11.5	1.2	0.4	---	---	0.01	24	406A,412B
ATB-62	1500	251	36.1	3.6	5.8	1091	---	0.35	25	444
ATB-63	1500	279	35.8	3.6	5.8	1091	---	0.35	25	450
ATB-64	675	340	14.7	1.5	0.9	---	---	0.07	28	437,439,441
ATB-65	560	168	32.4	3.2	4.5	1091	---	0.22	23	344
ATB-66	675	340	14.7	1.5	0.9	---	---	0.07	28	327,329,331
ATB-67	675	340	14.7	1.5	0.9	---	---	0.07	28	333,335,337
ATB-68	675	340	14.7	1.5	0.9	---	---	0.07	28	339,341,343
ATB-69	2250	335	15.3	1.5	0.3	---	---	0.49	26	426
ATB-70	480	240	10.4	1.0	0.4	---	---	0.02	28	423
ATB-71	532	105	6.2	0.6	0.2	---	---	0.10	27	308B
ATB-72	1776	363	21.8	2.2	2.1	655	---	0.16	24	324
ATB-73	450	225	9.7	1.0	0.4	---	---	0.02	28	323,325
ATB-74	1200	600	25.9	2.6	3.2	---	---	0.07	20	300A,300B
ATB-75	300	150	6.5	0.7	0.2	---	---	0.06	22	318A,320
ATB-76	1260	86	3.0	0.3	0.2	---	---	0.22	27	138
ATB-77	475	243	10.5	1.1	0.4	---	---	0.02	28	103,105,107
ATB-78	800	400	17.2	1.7	1.0	---	---	0.10	26	106
ATB-79	900	450	19.4	2.0	1.3	---	---	0.13	28	100D,100
ATB-80	412	105	2.7	0.3	0.1	---	---	0.06	22	306
ATB-81	200	100	4.3	0.4	0.1	---	---	0.01	21	416B
ATB-82	1150	N/A	N/A	N/A	N/A	---	---	0.19	25	309
ATB-83	450	225	9.7	1.0	0.3	---	---	0.02	27	427
ATB-84	1200	279	39.5	4.0	6.5	655	1310	0.22	23	332
ATB-85	872	468	12.1	1.2	0.6	---	---	0.14	29	122
ATB-86	420	210	9.0	0.9	0.3	---	---	0.02	26	117
ATB-87	2505	1250	44.0	4.4	1.5	---	---	0.20	27	126
ATB-88	460	148	3.9	0.4	0.1	---	---	0.20	28	136
ATB-89	650	325	21.0	2.1	1.4	650	---	0.15	26	122A

1. WATER TEMPERATURE IN = 180°F, WATER TEMPERATURE OUT = 160°F.
2. ENTERING AIR D.B. = 55°F.

EXHAUST AIR TERMINAL BOX SCHEDULE

MARK	MAX COOLING CFM	CFM OFFSET ONE HOOD IN OPERATION	CFM OFFSET TWO HOODS IN OPERATION	MAX AIR ΔP IN (W.G.)	NOISE CRITERA	ROOM NUMBERS
EB-1	792	720	---	0.16	26	109
EB-4	1130	---	---	0.15	23	446
EB-8	130	---	---	0.01	17	346A,348
EB-12	1452	720	1440	0.15	23	114
EB-13	2640	1210	1930	0.24	28	336
EB-14	2650	---	---	0.24	28	318
EB-16	682	---	---	0.07	27	114A,112,110A
EB-17	1548	720	---	0.18	24	302
EB-19	235	---	---	0.01	22	304
EB-27	1382	1210	---	0.15	23	346
EB-28	1760	1210	---	0.16	24	448
EB-29	647	---	---	0.06	27	308
EB-30	1914	1210	1930	0.20	26	416
EB-31	1940	1210	1930	0.20	26	412
EB-33	972	---	---	0.16	22	406
EB-34	1294	---	---	0.14	22	404
EB-35	1844	720	---	0.18	25	328
EB-39	715	---	---	0.09	24	312
EB-43	2281	---	---	0.17	25	430
EB-44	1260	---	---	0.13	22	436
EB-45	1650	1210	---	0.13	22	440
EB-49	1200	1210	---	0.11	20	402
EB-50	1250	720	---	0.13	22	340
EB-53	612	---	---	0.07	27	332A
EB-54	1000	---	---	0.16	22	340A
EB-55	192	---	---	0.01	22	346B
EB-56	1078	1088	---	0.15	23	114B
EB-57	473	---	---	0.02	28	116,122C
EB-59	318	---	---	0.01	27	402B,404A
EB-60	407	---	---	0.02	25	418,422A,422
EB-61	311	---	---	0.01	27	406A,412B
EB-62	1650	1210	---	0.24	27	444
EB-63	1650	1210	---	0.24	27	450
EB-65	616	1210	---	0.06	26	344
EB-69	2475	---	---	0.22	27	426
EB-71	585	---	---	0.05	25	308B
EB-72	1952	720	---	0.22	27	324
EB-75	165	---	---	0.01	21	318A
EB-76	1386	---	---	0.01	19	138
EB-80	453	---	---	0.02	28	306
EB-81	220	---	---	0.01	22	416B
EB-84	1320	720	---	0.24	27	332
EB-85	960	---	---	0.15	30	122
EB-87	2756	---	---	0.20	27	126
EB-88	502	---	---	0.02	29	136
EB-89	720	720	---	0.09	24	122A

NOTE: NOT ALL ATB'S HAVE A RESPECTIVE EB IN CASES OF RETURN AIR IN LIEU OF EXHAUST AIR.

LEGEND:

CFM - CUBIC FEET PER MINUTE
PD - PRESSURE DROP
NC - NOISE CONTROL
KW - KILOWATT
TS - TIP SPEED
HP - HORSE POWER
VAV - VARIABLE AIR VOLUME
SEN - SENSIBLE
ATB - AIR TERMINAL BOX
W.G. - WATER GAUGE

KEY PLAN

RECORD DRAWING JUNE, 1988

SCHEDULES AND NOTES
MECHANICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED
PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

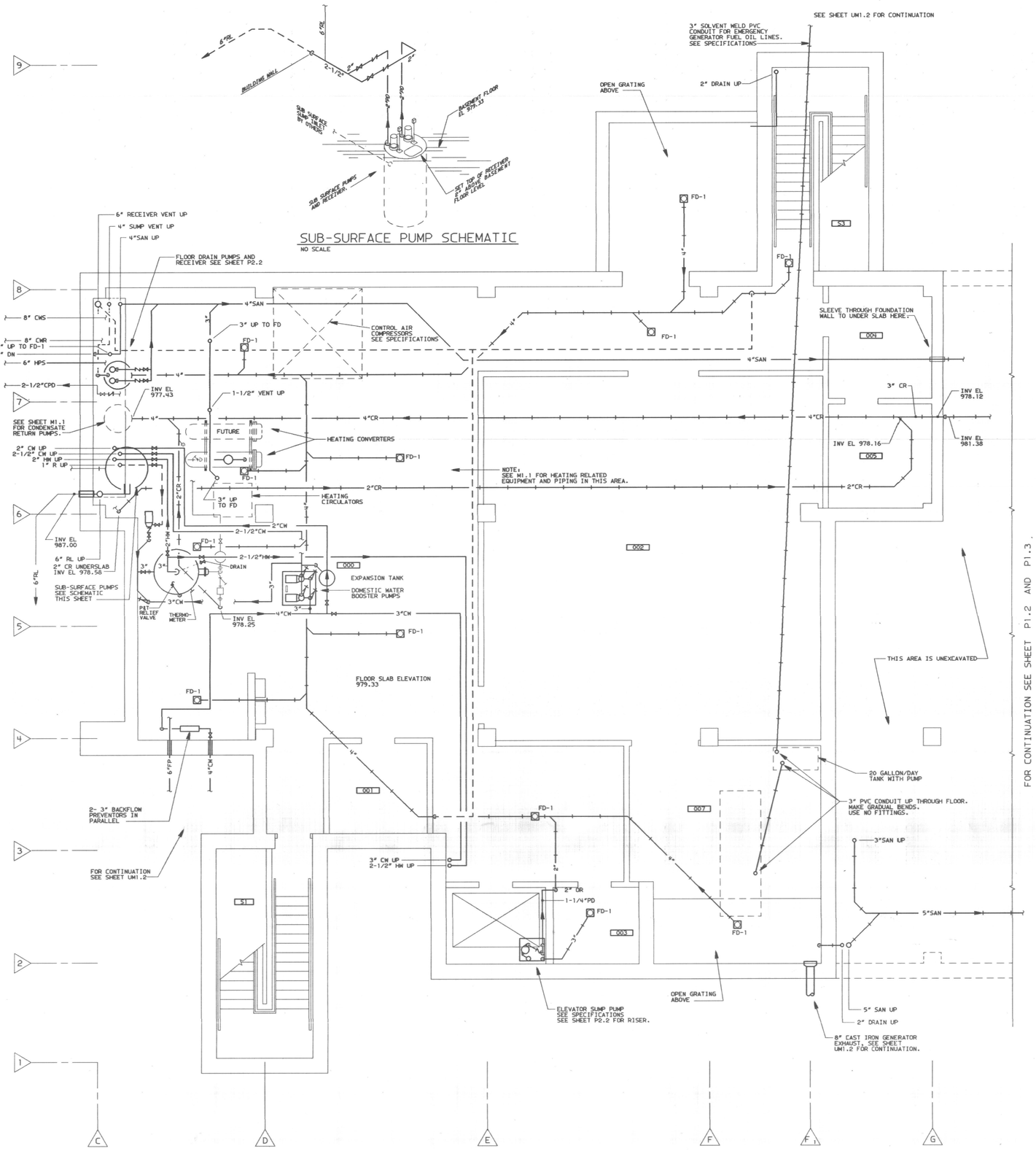
PROJECT NUMBER 8421
ITEMS ON SHEET

DRAWN BY JAG, CGT
CHECKED BY TA, ALD
DATE 05-28-85
REVISIONS

SHEET NUMBER M2.3

8412.01/CD/M2.3/5-28-85

SEE SHEET UM1.2 FOR CONTINUATION



SUB-SURFACE PUMP SCHEMATIC

NO SCALE

PLUMBING - LEGEND

———	PROPOSED PIPING
——SAN——	SANITARY WASTE
——+—+——	UNDERSLAB PIPING
- - - - - -	SANITARY VENT
——AM——	ACID WASTE
- - -AMV- - -	ACID WASTE VENT
——CW——	COLD WATER
——HW——	HOT WATER
- - - R - - -	HOT WATER RECIRCULATION
——G——	NATURAL GAS
——A——	COMPRESSED AIR
——V——	VACUUM
——D——	DEIONIZED WATER
- - -DR- - -	DEIONIZED WATER RECIRCULATION
——MPS——	MEDIUM PRESSURE STEAM
- - -COND- - -	CONDENSATE RETURN
——PD——	PUMP DISCHARGE
——RL——	ROOF LEADER
—o—o—	ELBOW UP, DOWN
—o—⊙—	TEE UP, DOWN
—⋈—◪—	GATE VALVE - HORIZ. VERT.
—▷|—	CHECK VALVE
—⊠—	SOLENOID CONTROL VALVE
—⋈—	PLUG VALVE
—⋈—	BALL VALVE
—⋈—	BALANCE VALVE
—⋈—	UNION
—⋈—	STRAINER
FD-1	FLOOR DRAIN WITH DESIGNATION
SA-300	SHOCK ABSORBER WITH SIZE
P-1	PLUMBING FIXTURE WITH DESIGNATION
3/4"WH	WALL HYDRANT AND SIZE
1/2"HB	HOSE BIBB AND SIZE
4"RD	ROOF DRAIN WITH SIZE
CO — CO	CLEANOUT
2"OR	OPEN RECEPTACLE WITH SIZE

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
VTR	VENT THROUGH ROOF
EL	ELEVATION
INV EL	INVERT ELEVATION
DN	DOWN
MF	MIXED FAUCET

LABORATORY SERVICES LEGEND

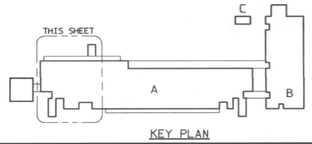
○ —	DESINGATES OUTLET LOCATION, COORDINATE WITH THE ARCH. EQ.1 DRAWINGS.
(C)	COLD WATER
(H)	HOT WATER
(M)	MIXED WATER
(D)	DEIONIZED WATER
(S)	STEAM
(G)	GAS
(A)	AIR
(V)	VACUUM
(d)	DOUBLE OUTLET
(h)	HOSE CONNECTION

GENERAL NOTES:

1. ALL PIPING PENETRATING CONCRETE WALLS AND SLABS SHALL BE SLEEVED AND MADE WATER TIGHT OR FIRE STOPPED AS REQUIRED.

BASEMENT FLOOR PLAN

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



KEY PLAN

RECORD DRAWING JUNE, 1988

BASEMENT FLOOR PLUMBING

SHEET NUMBER P1.1

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANGEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

10 of 12

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

DRAWN BY DRB

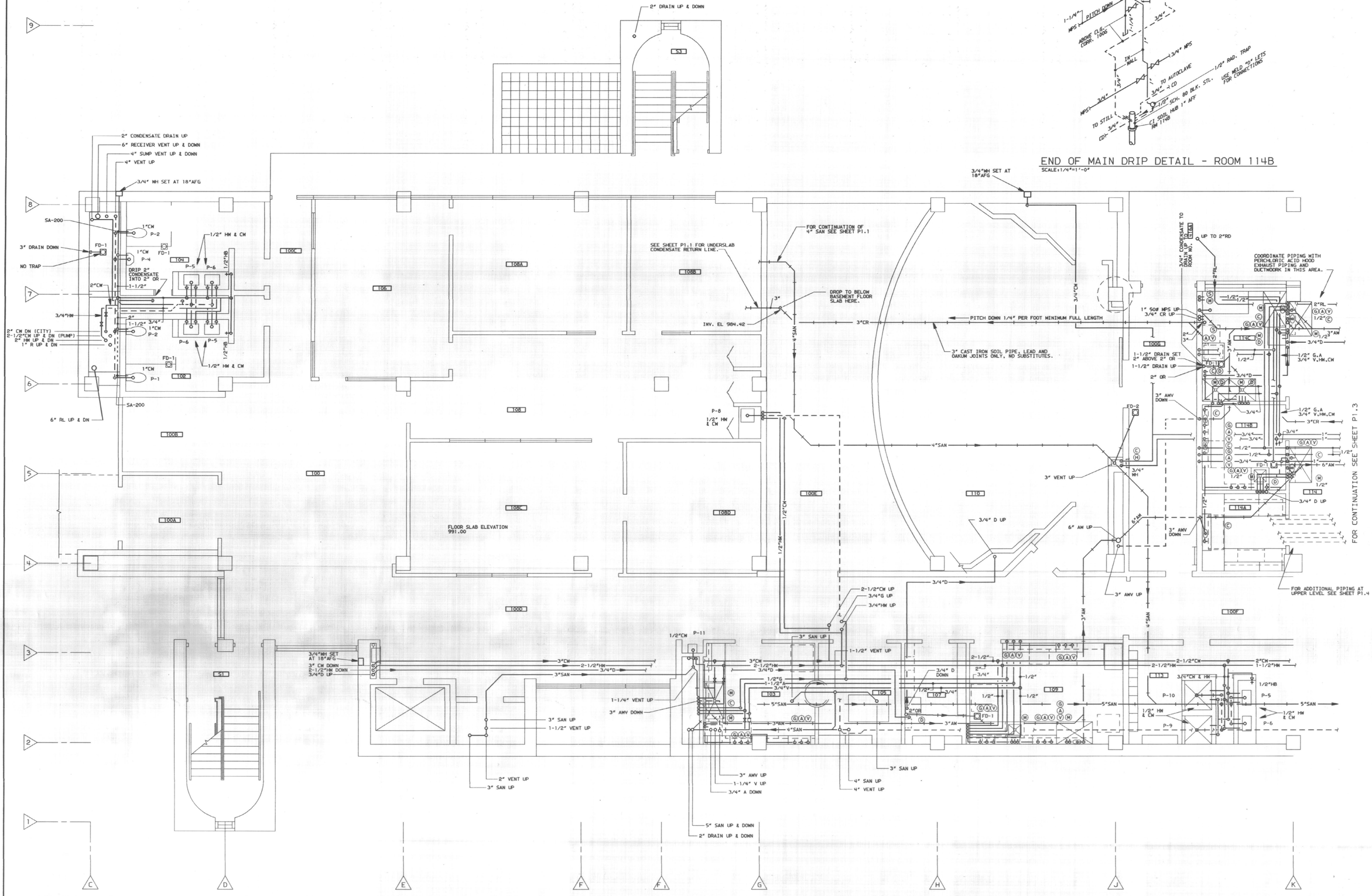
CHECKED BY DRB ALD

DATE 05-28-85

REVISIONS

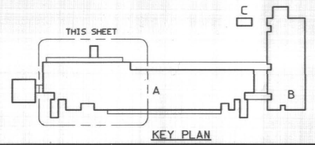
Cab.# ___ Slot ___ Document # ___

8421.01/CD/P1.1/5-28-85



END OF MAIN DRIP DETAIL - ROOM 114B
SCALE: 1/4"=1'-0"

FIRST LEVEL FLOOR PLAN (NORTH)
SCALE: 1/4"=1'-0"



KEY PLAN

RECORD DRAWING JUNE, 1988

FIRST FLOOR - NORTH
PLUMBING

SHEET NUMBER P1.2

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

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STRUCTURAL ENGINEERS

PROTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
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MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
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UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
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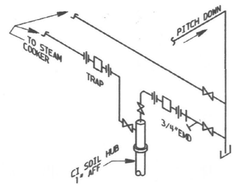
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421
ITEMS ON SHEET
DRAWN BY DRB
CHECKED BY DRB ALD
DATE 05-28-85
REVISIONS

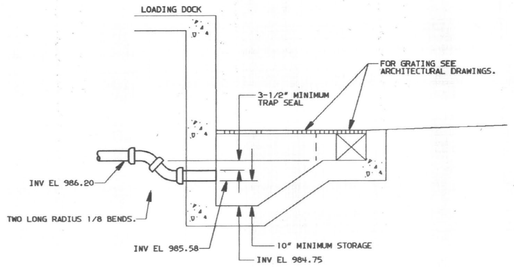
Cabinet Slot Document #
017x17
107

8421.01/CD/P1.2/5.28.85



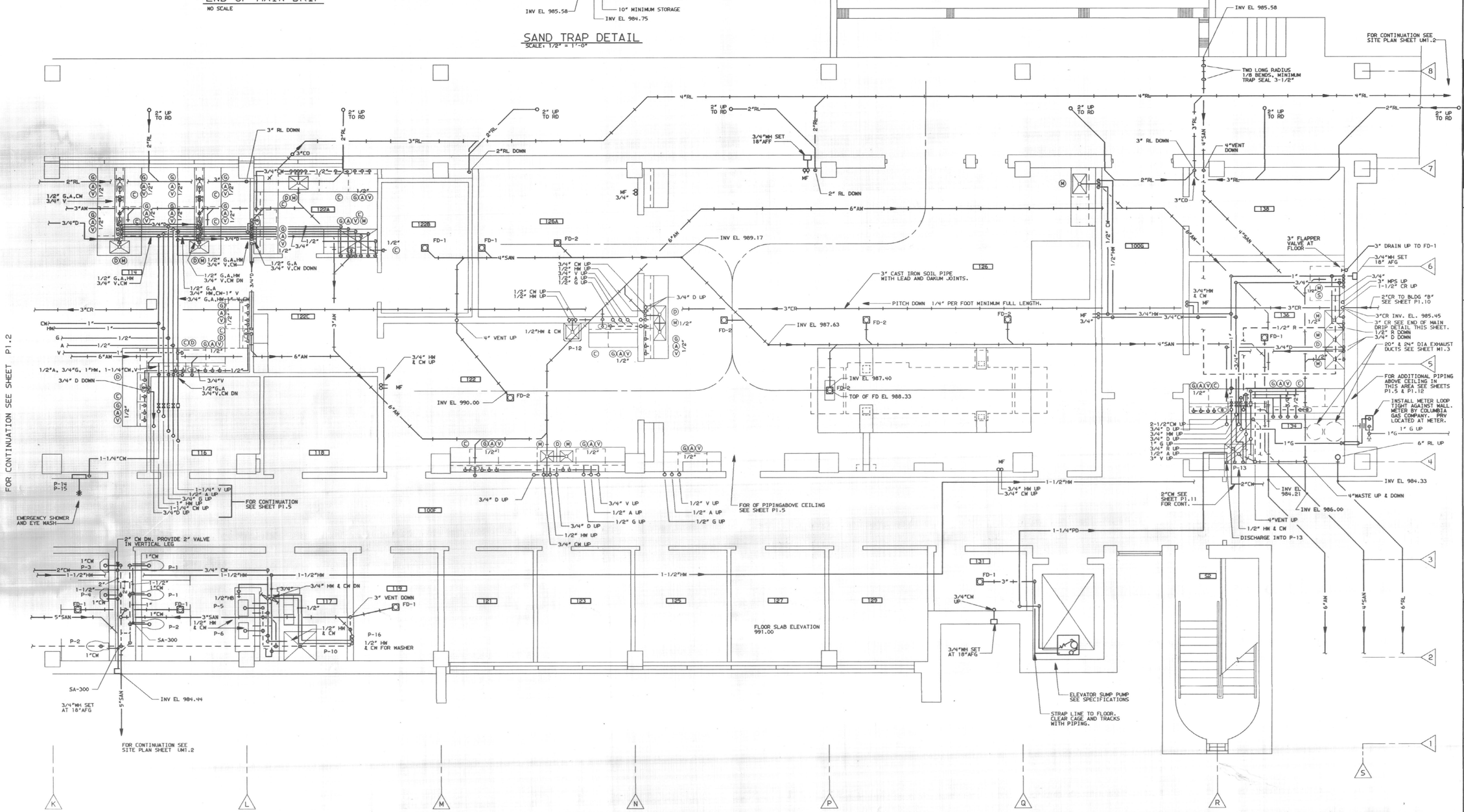
END OF MAIN DRIP

NO SCALE



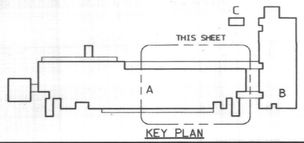
SAND TRAP DETAIL

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



FIRST LEVEL FLOOR PLAN (SOUTH)

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



KEY PLAN

RECORD DRAWING JUNE, 1988

FIRST FLOOR - SOUTH PLUMBING

P1.3

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
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40202 502-587-0571

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2001 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
200 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION, UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
DRB

CHECKED BY
DRB ALD

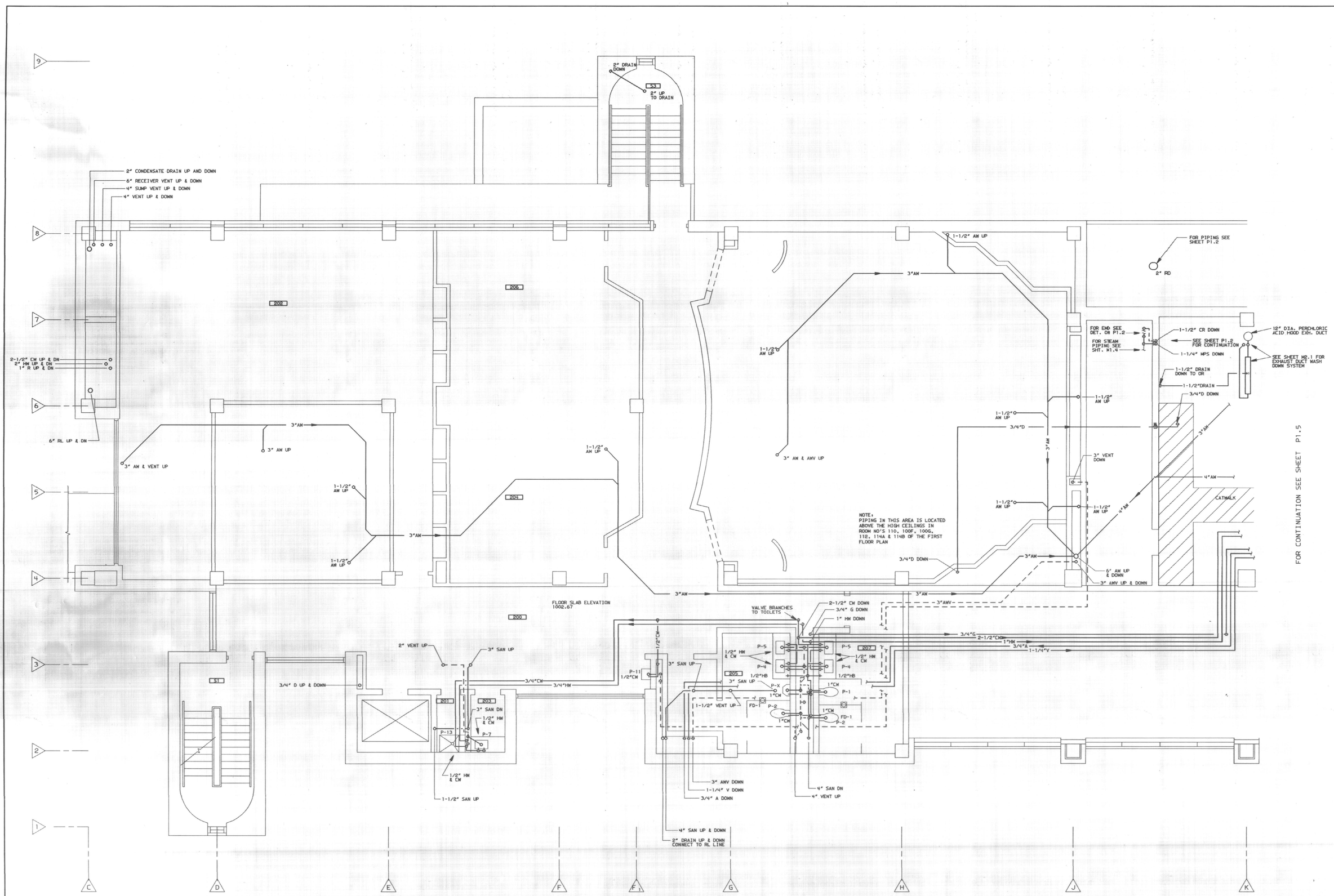
DATE
05-28-85

REVISIONS

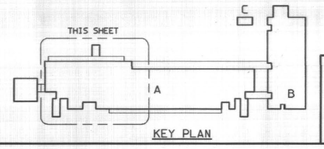
Cab.# Slot Document # 017 C-2

SHEET NUMBER
P1.3

BAR201/CD/P1.3/5.28.85



SECOND LEVEL FLOOR PLAN (NORTH)
SCALE: 1/4"=1'-0"



KEY PLAN

RECORD DRAWING JUNE, 1988

SECOND FLOOR - NORTH
PLUMBING

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

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UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
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REVISIONS

Cab # 107 Slot C-2 Document # 013649

SHEET NUMBER
P1.4

8412.01/CD/P1.4/5.28.85

SECOND LEVEL FLOOR PLAN (SOUTH)

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

RECORD DRAWING JUNE, 1988

SECOND FLOOR - SOUTH
PLUMBING

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

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UNIVERSITY OF KENTUCKY
DATE:

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COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
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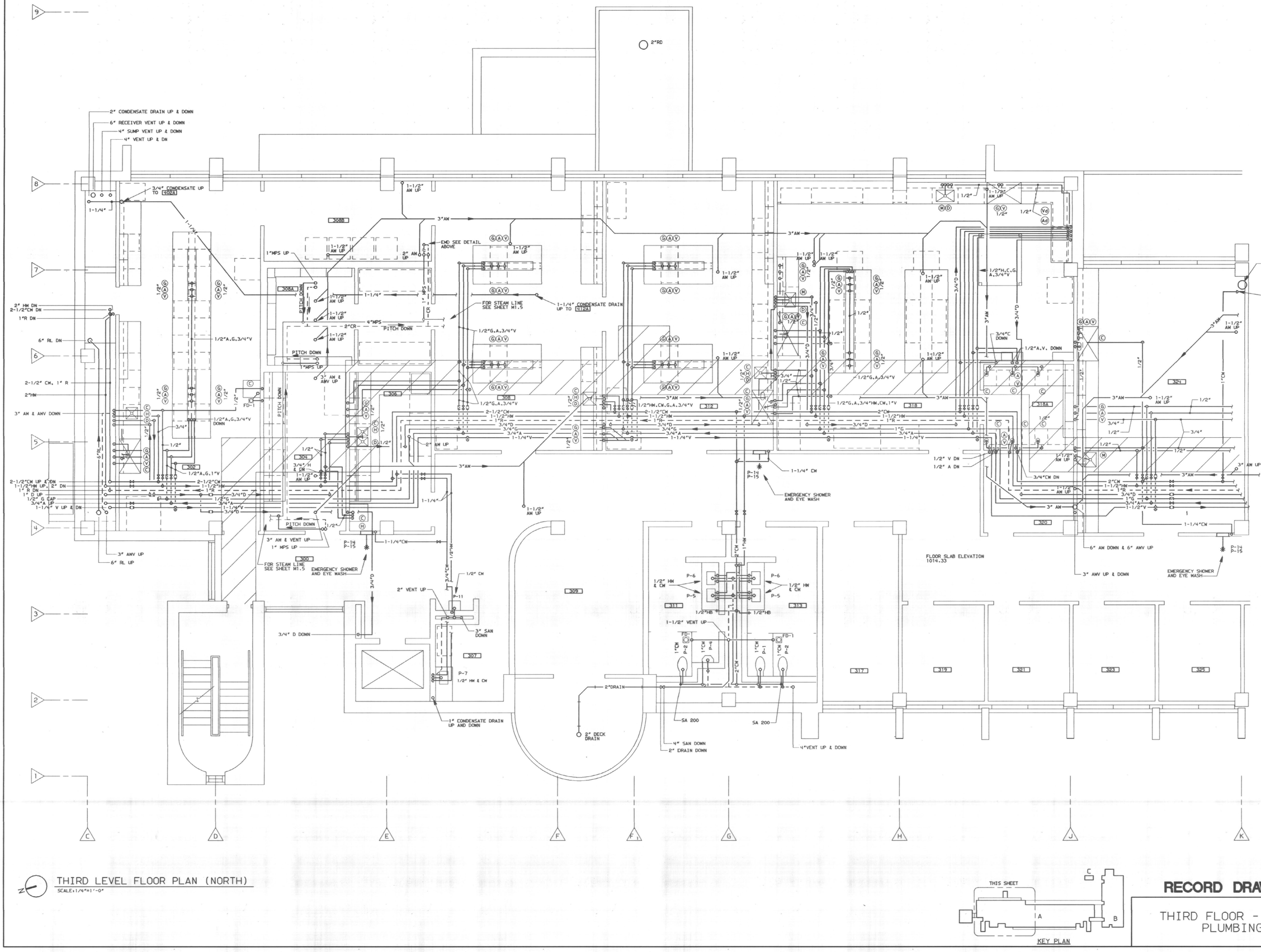
DATE
05-28-85

REVISIONS

SHEET NUMBER
P1.5

8412.01/CD/P1.5/5-28-85



THIRD LEVEL FLOOR PLAN (NORTH)
SCALE: 1/4"=1'-0"

THIS SHEET

KEY PLAN

RECORD DRAWING JUNE, 1988

THIRD FLOOR - NORTH PLUMBING

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS 2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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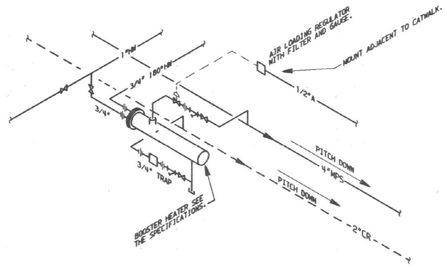
DATE
05-28-85

REVISIONS

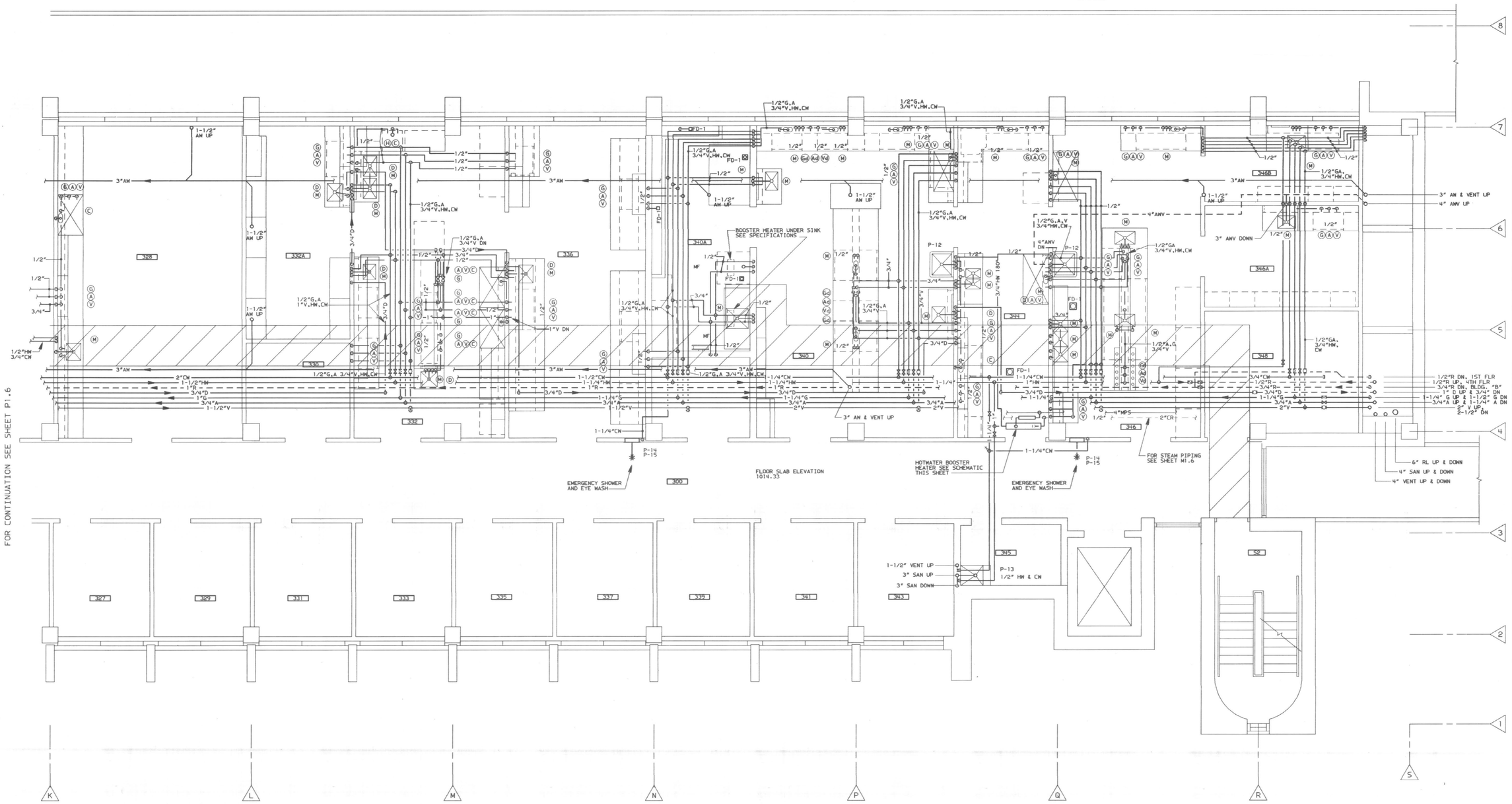
Cab.# ____ Slot ____ Document # 113651
107 C2

SHEET NUMBER
P1.6

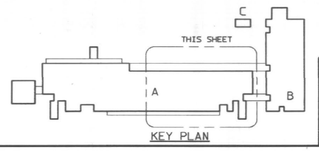
8421.01/CD/P1.6/5.28.85



HOT WATER BOOSTER HEATER PIPING SCHEMATIC
FOR ROOMS 340, 344 & 346
NO SCALE



THIRD LEVEL FLOOR PLAN (SOUTH)
SCALE: 1/4"=1'-0"



KEY PLAN

RECORD DRAWING JUNE, 1988

THIRD FLOOR - SOUTH
PLUMBING

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDONELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
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DRB ALD

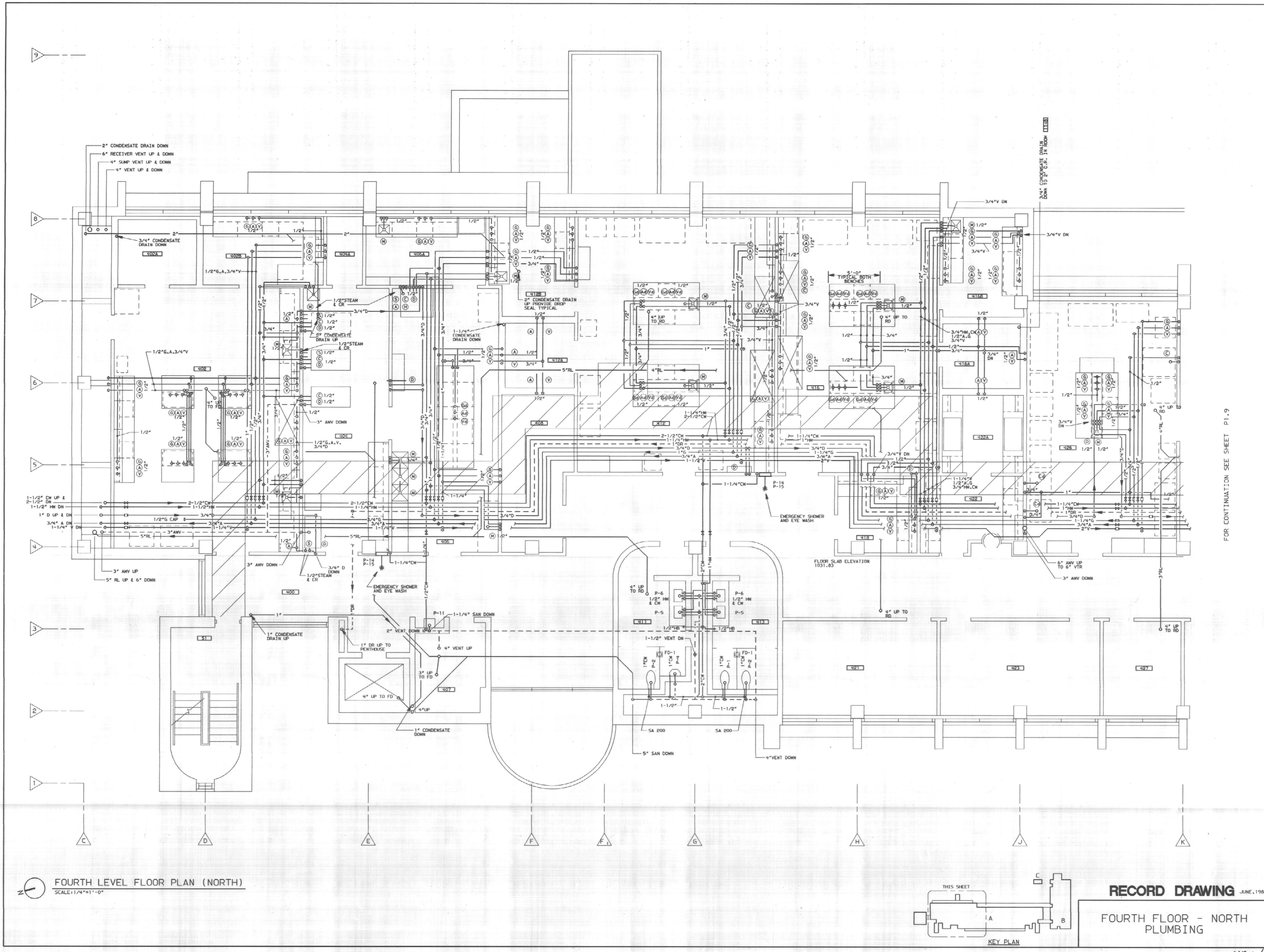
DATE
05-28-85

REVISIONS

Cab # Slot Document #
107 C-2 013652

SHEET NUMBER
P1.7

8412.01/CD/P1.7/5.28.85



FOURTH LEVEL FLOOR PLAN (NORTH)

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

KEY PLAN

RECORD DRAWING JUNE, 1988

FOURTH FLOOR - NORTH
PLUMBING

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK
EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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DRB ALD

DATE
05-28-85

REVISIONS

SHEET NUMBER
P1.8

8412.01/CD/P1.8/5-28-85

FOURTH LEVEL FLOOR PLAN (SOUTH)

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

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY — ANSEL L. DAVIS 2716 — PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

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DATE 05-28-85

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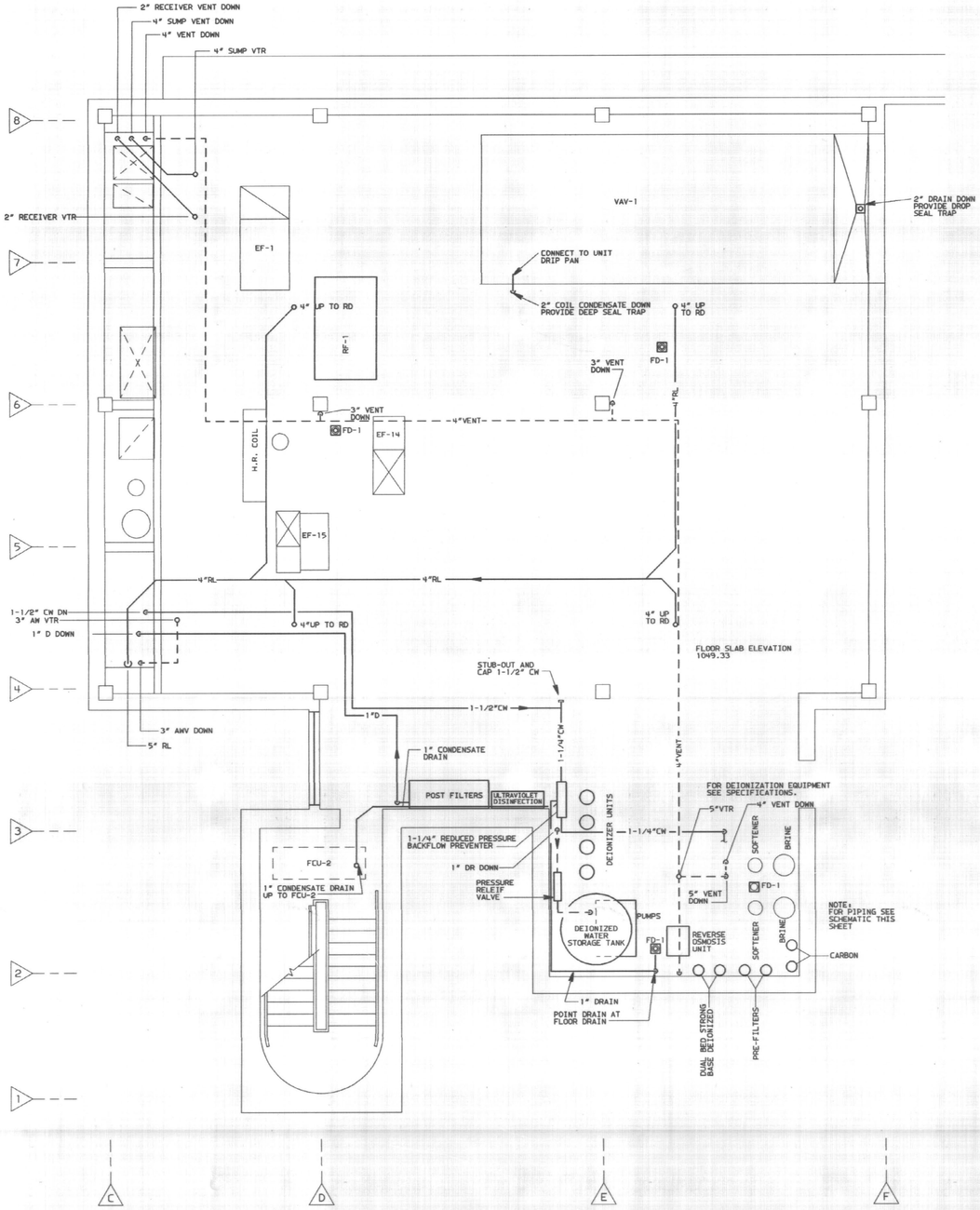
FOURTH FLOOR - SOUTH PLUMBING

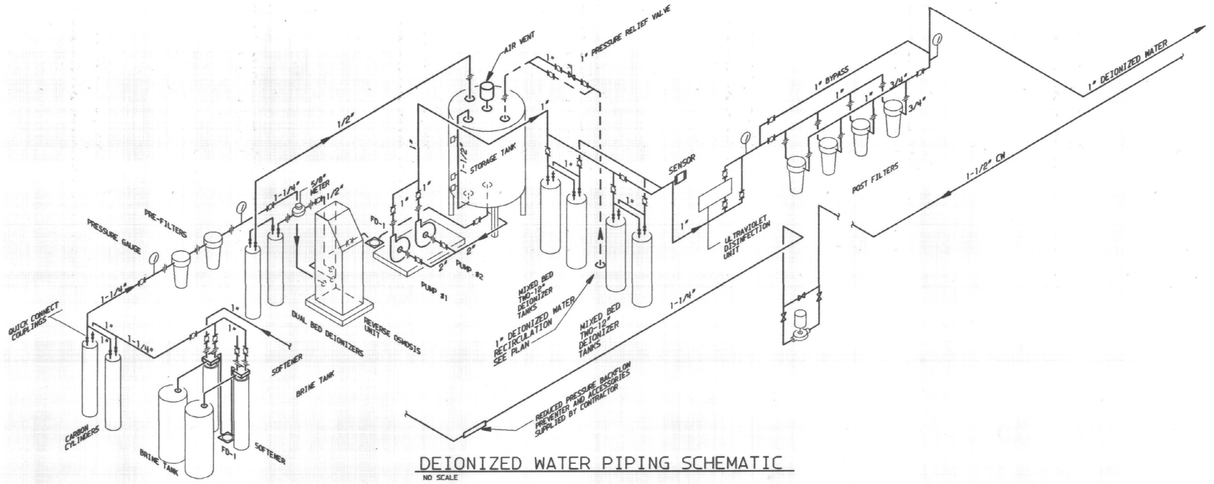
SHEET NUMBER P1.9

8412.01 /CD/ P1.9 / 5-28-85



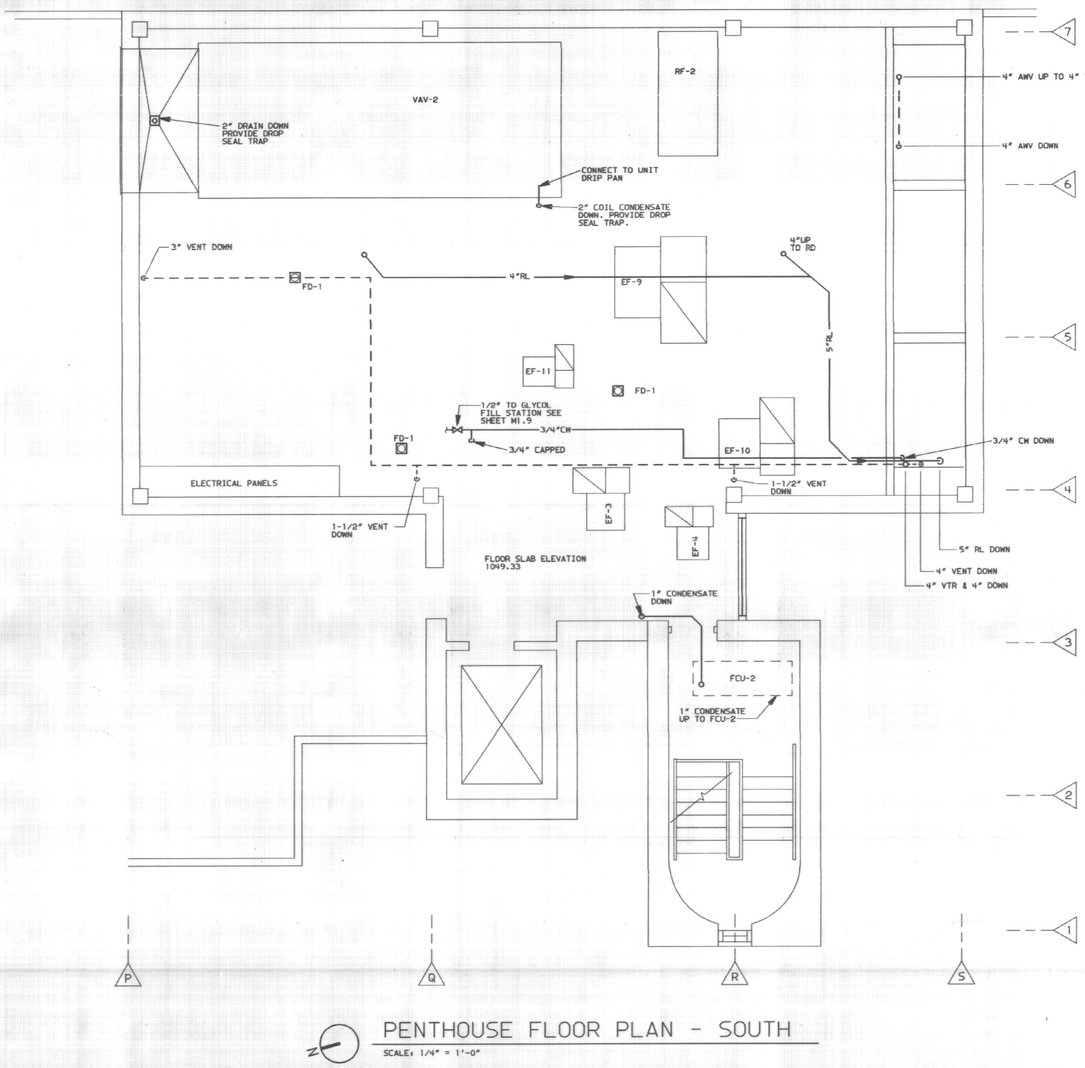
PENTHOUSE FLOOR PLAN - NORTH

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



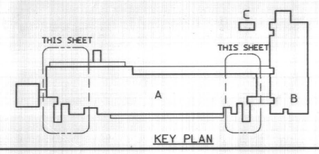
DEIONIZED WATER PIPING SCHEMATIC

NO SCALE



PENTHOUSE FLOOR PLAN - SOUTH

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



KEY PLAN

RECORD DRAWING JUNE, 1988

PENTHOUSE AND BUILDING "A" PLUMBING

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
860 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

DRAWN BY DRB

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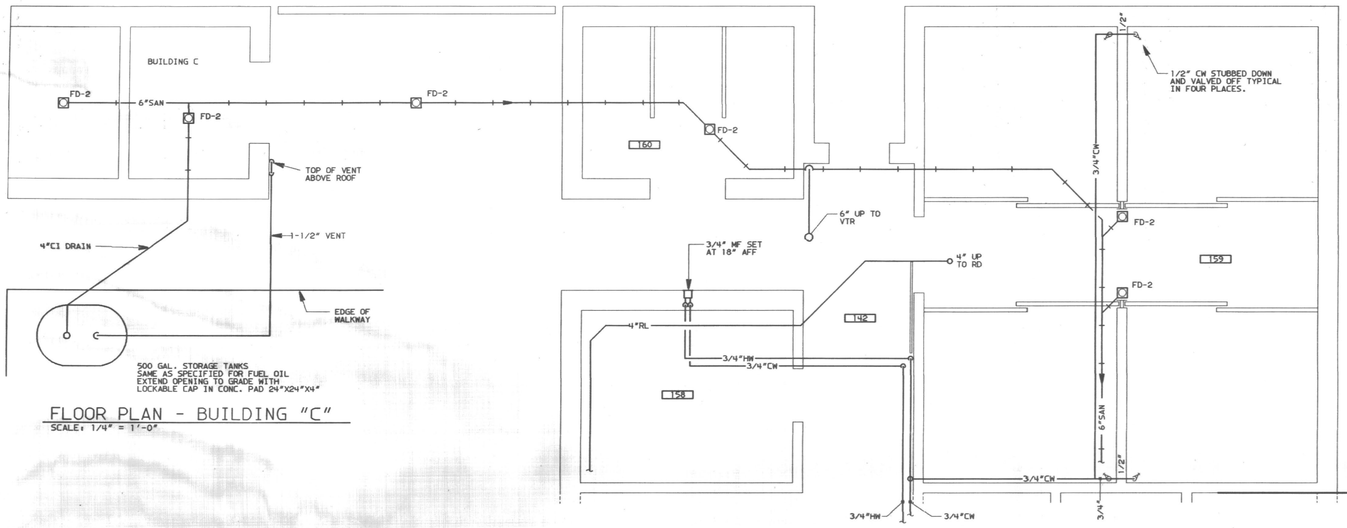
DATE 05-28-85

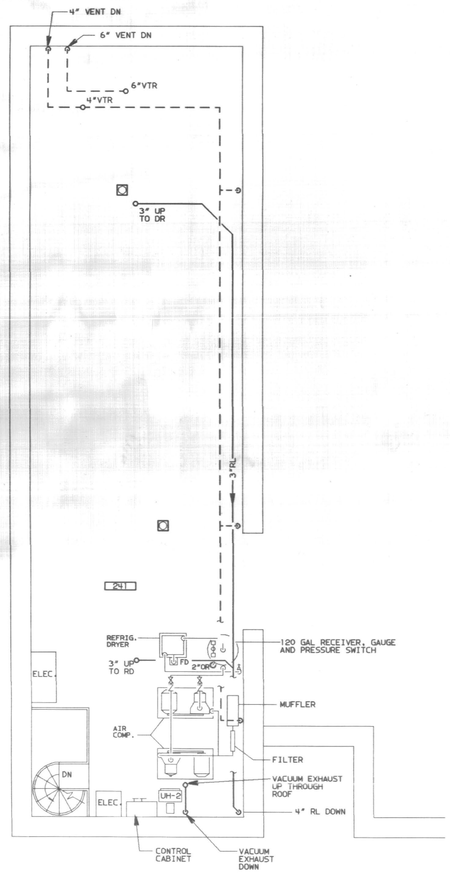
REVISIONS

SHEET NUMBER P1.10

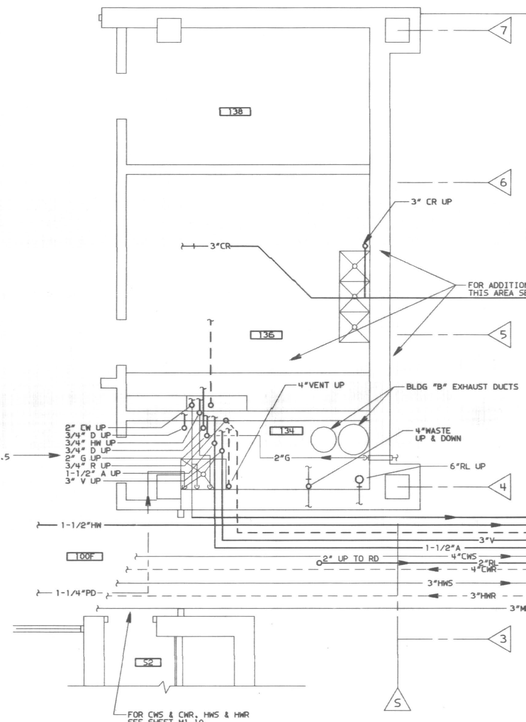
8412.01/CD/P1.10/5-28-85



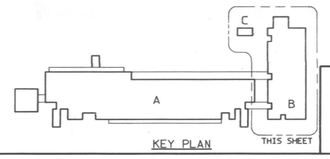
PARTIAL FIRST FLOOR PLAN - BUILDING "B"
SCALE: 1/4" = 1'-0"



SECOND LEVEL FLOOR PLAN - BUILDING "B"
SCALE: 1/4" = 1'-0"



PARTIAL FIRST FLOOR PLAN - BUILDING "B"
SCALE: 1/4" = 1'-0"



RECORD DRAWING JUNE, 1988

BUILDINGS "B" AND "C" PLUMBING

P1.11

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION, UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
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CHECKED BY
DRB ALD

DATE
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DWG #

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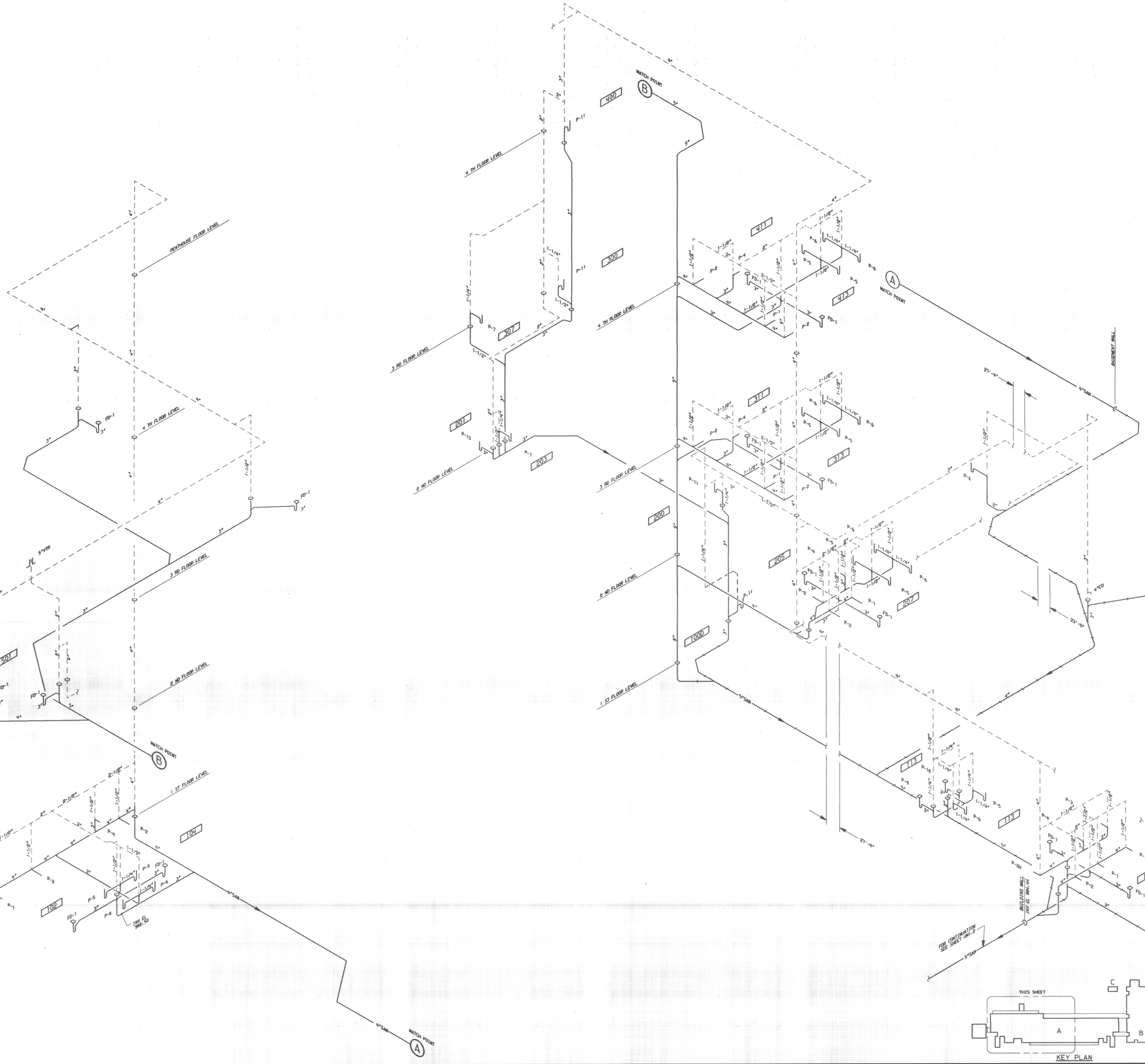

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERING

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERING

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

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CHECKED BY
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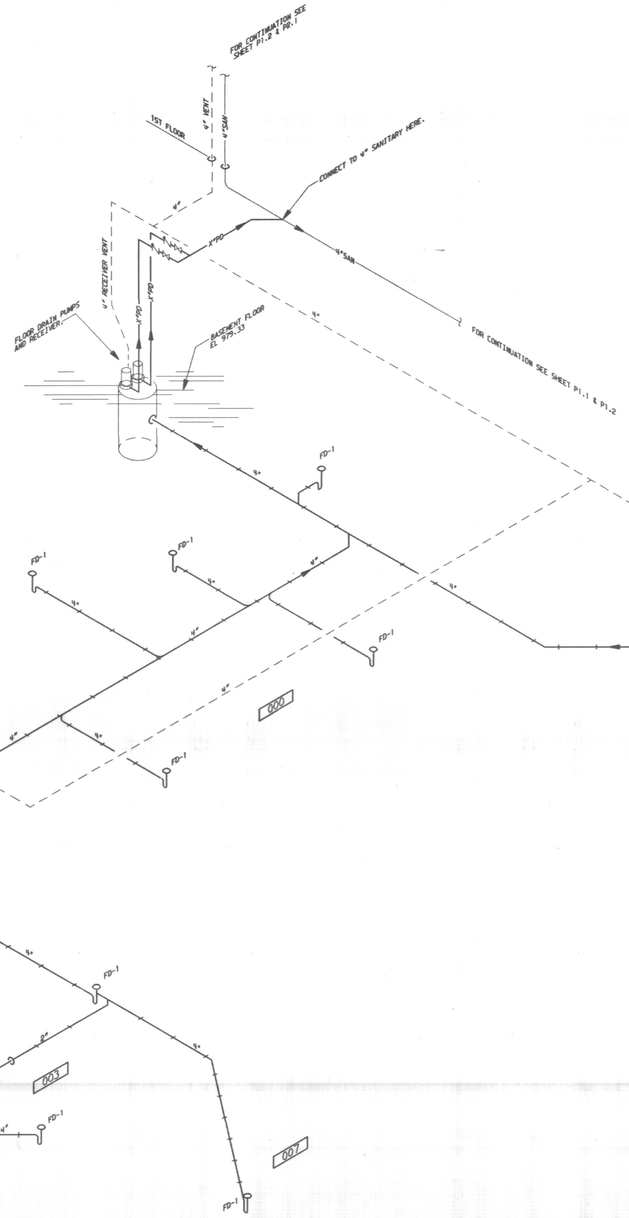
DATE
05-28-85

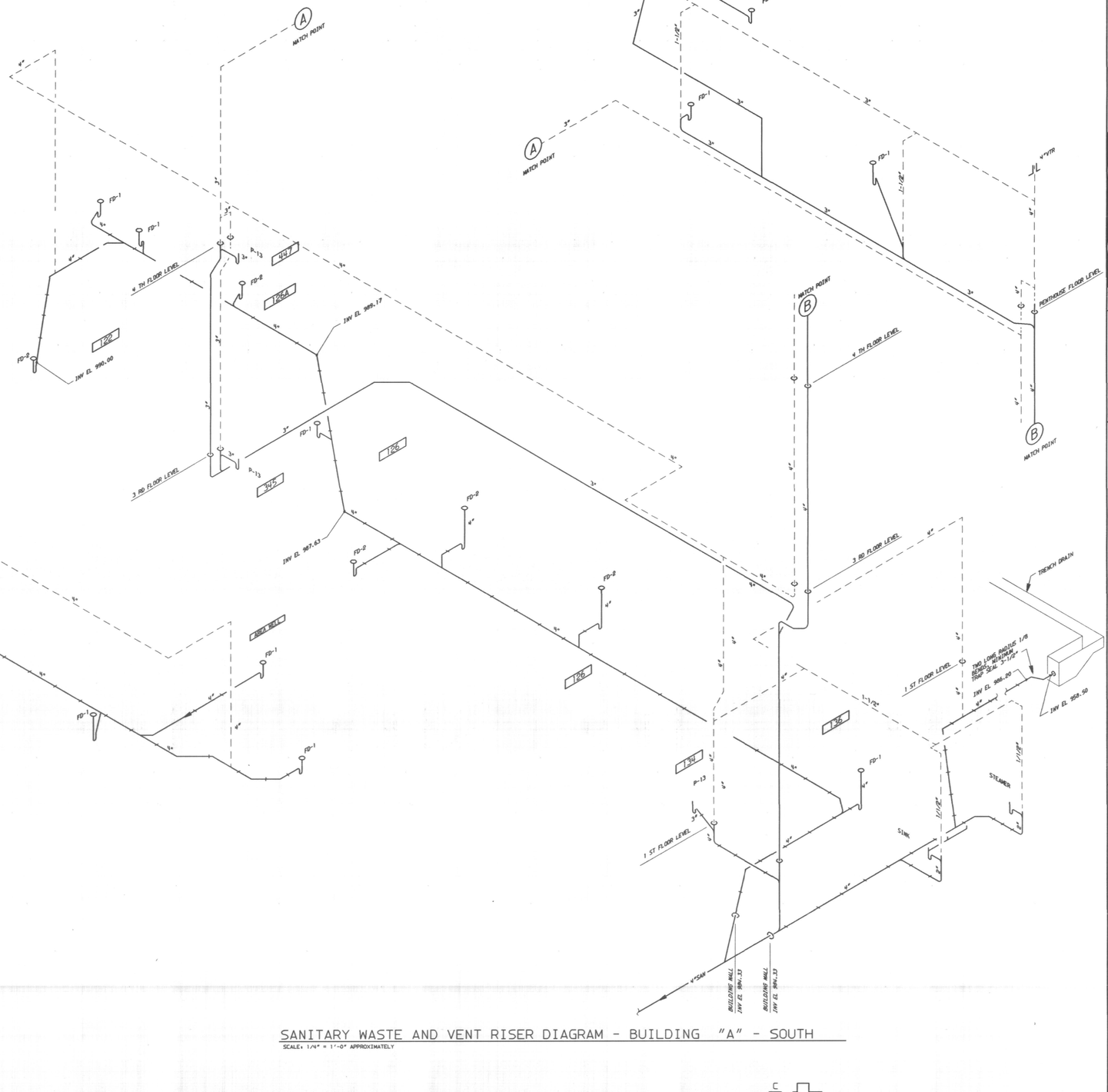
REVISIONS

SHEET NUMBER
P2.1

BUILDING "A" NORTH SANITARY RISER DIAGRAM

8421.01/CD/P2.1/5.28.85



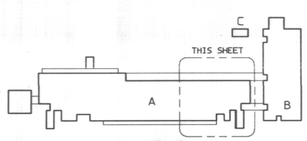


SANITARY WASTE AND VENT RISER DIAGRAM - BUILDING "A" - SOUTH

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

BASEMENT FLOOR DRAIN RISER DIAGRAM - BUILDING "A" - NORTH

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



KEY PLAN

RECORD DRAWING JUNE, 1988

BUILDING "A" SOUTH AND BASEMENT NORTH SANITARY RISER DIAGRAM

SHEET NUMBER P2.2

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
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DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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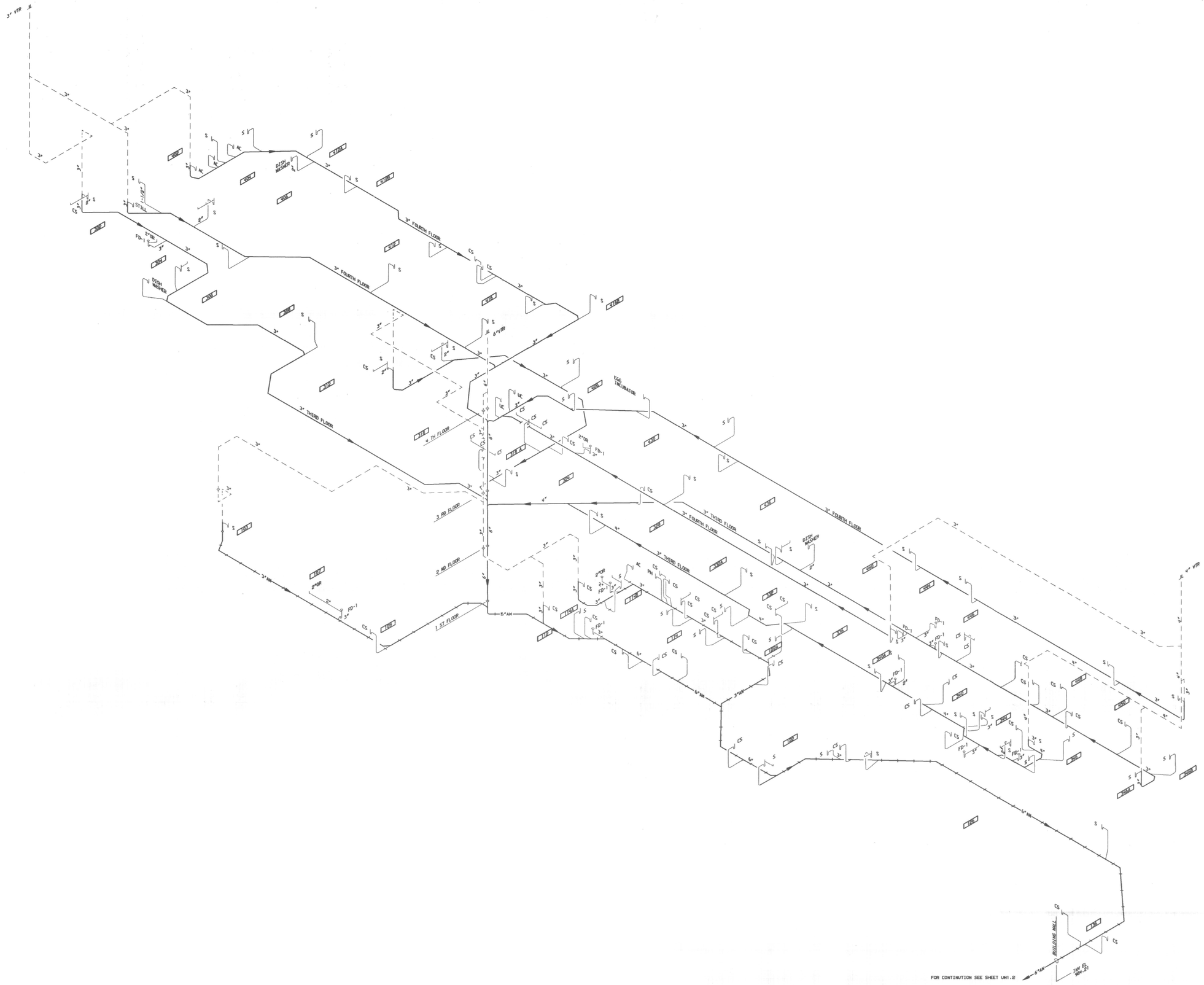
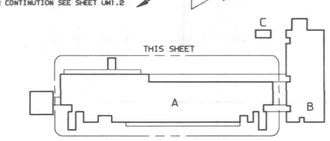


LEGEND

S	SINK
CS	CUP SINK
AC	AUTOCLAVE
TD	TRENCH DRAIN
PH	PERCHLORIC HOOD
UC	ULTRA CENTRIFUGE
OR	OPEN RECEPTACLE
FD	FLOOR DRAIN
VTR	VENT THROUGH ROOF
AM	ACID WASTE
	ACID VENT
	UNDER SLAB PIPING
100	ROOM NUMBER

NOTE:
ALL INDIVIDUAL ACID WASTE CONNECTIONS SHALL BE 1-1/2" IN SIZE UNLESS NOTED OTHERWISE.



KEY PLAN

ACID WASTE AND VENT RISER DIAGRAM - BUILDING "A"

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

RECORD DRAWING JUNE, 1988

BUILDING "A" ACID WASTE RISER DIAGRAM

SHEET NUMBER P2.3

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
894 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION, DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

DRAWN BY DRB

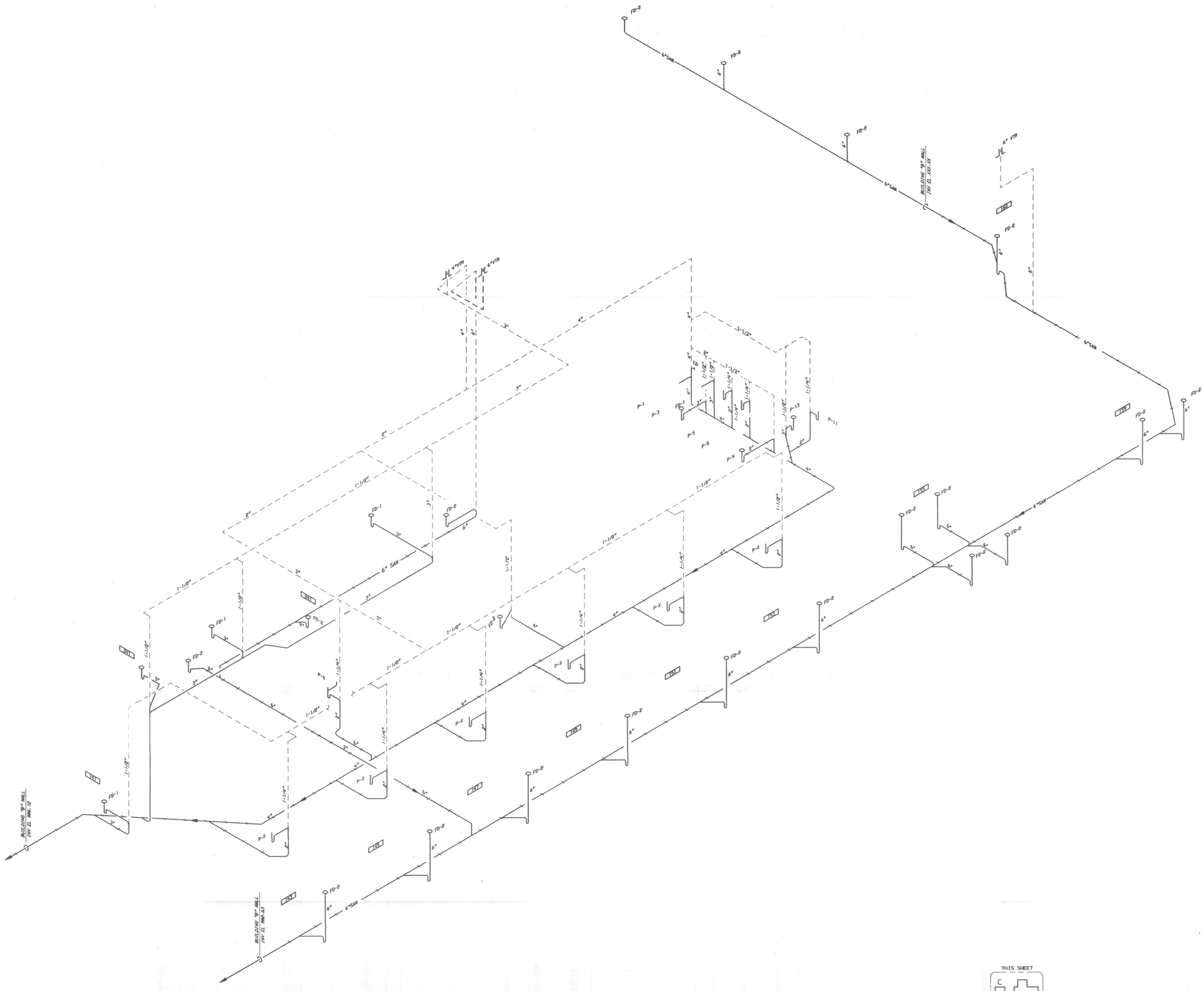
CHECKED BY DRB ALD

DATE 05-28-85

REVISIONS 06-24-85

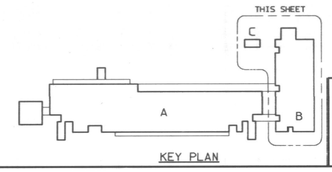
Cabinet Slot Document #

8421.01/CD/P2.3/ 5:28:85



SANITARY WASTE AND VENT RISER DIAGRAM - BUILDING "B"

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



KEY PLAN

RECORD DRAWING JUNE, 1988

BUILDING "B" AND "C" SANITARY RISER DIAGRAM

SHEET NUMBER P2.4

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
300 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

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UNIVERSITY OF KENTUCKY
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THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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Cab.# Slot Document #

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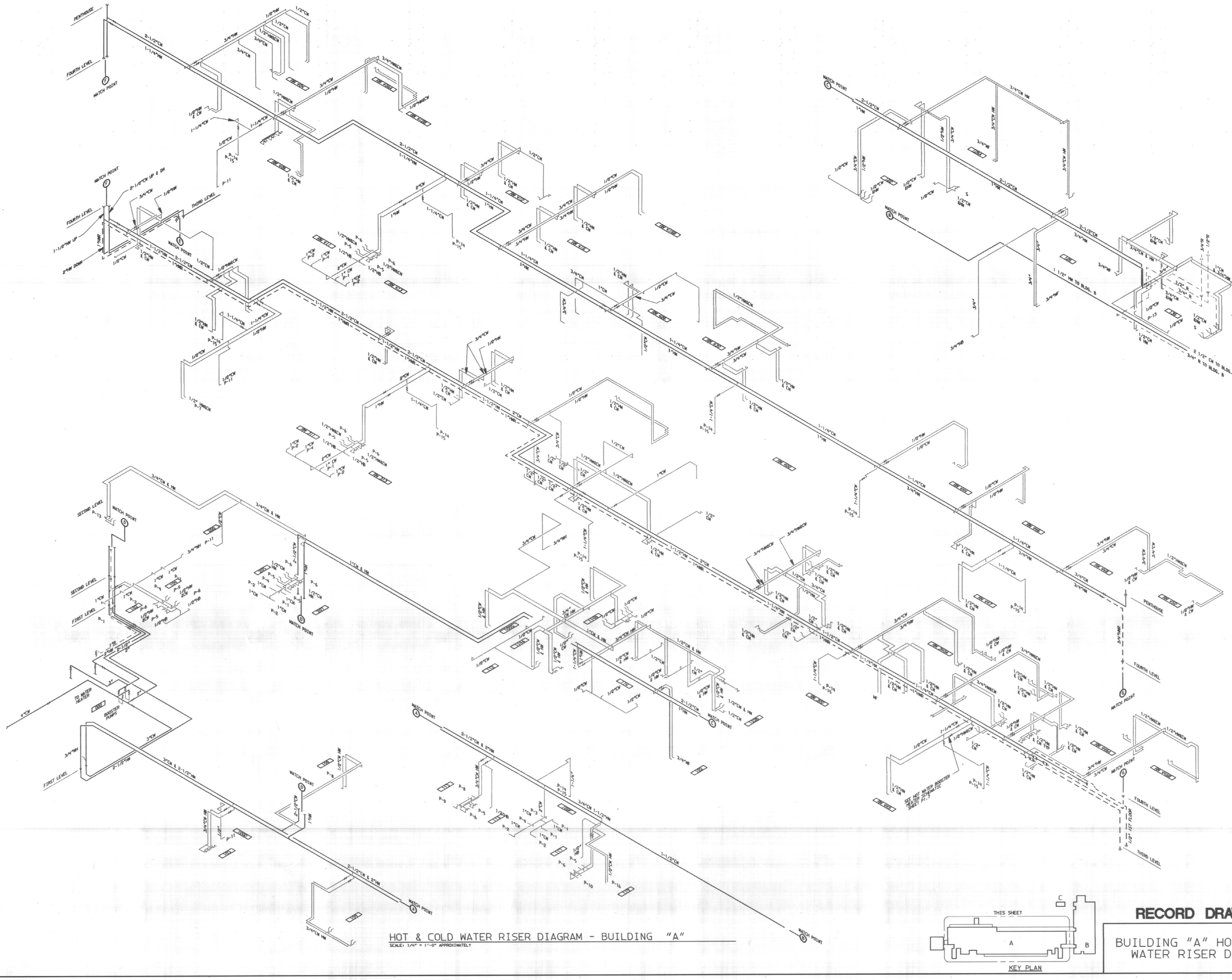

HOT & COLD WATER RISER DIAGRAM - BUILDING "A"

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

RECORD DRAWING JUNE, 1988

BUILDING "A" HOT & COLD WATER RISER DIAGRAM

P2.5

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

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UNIVERSITY OF KENTUCKY
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THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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DRB

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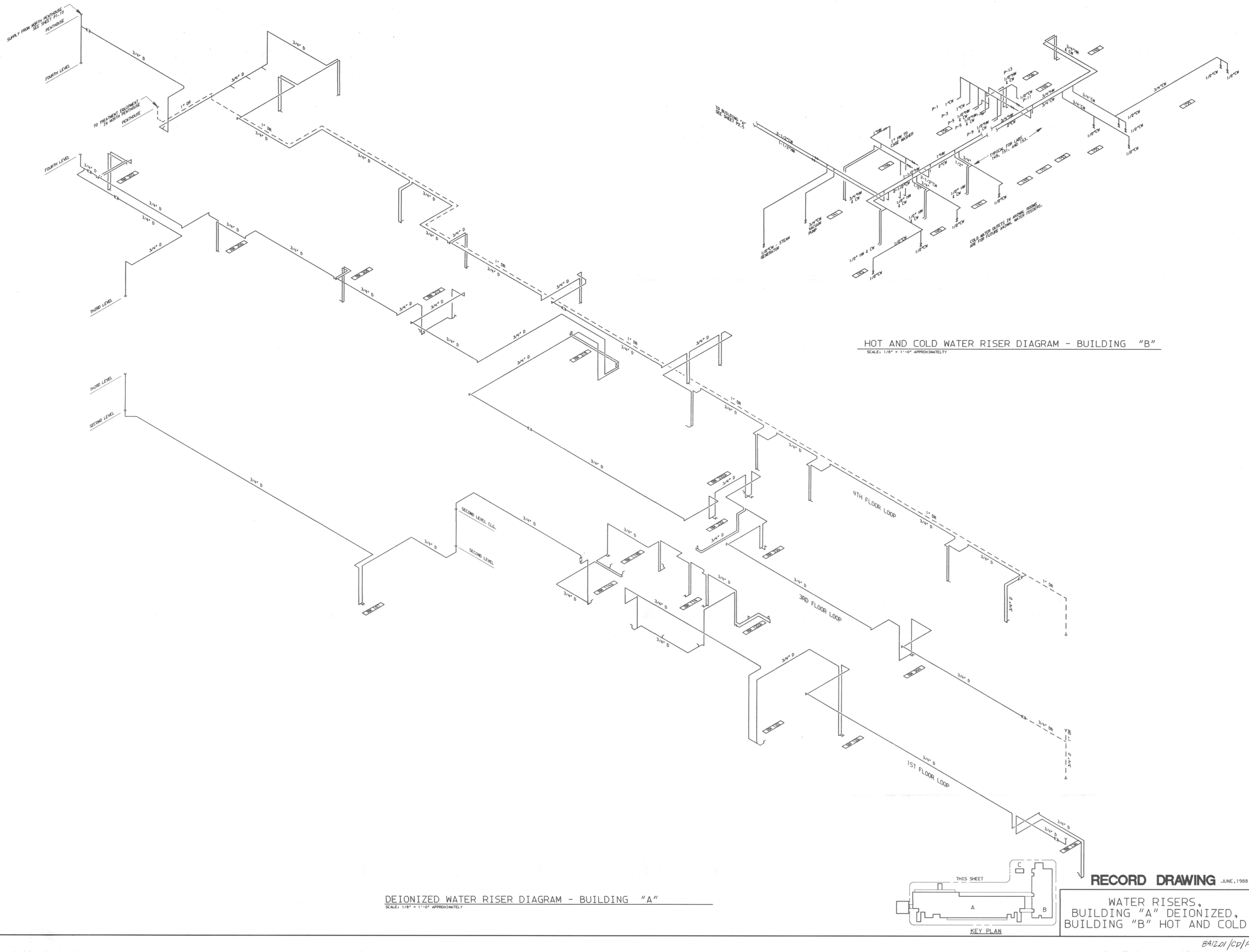
DATE
05-28-85

REVISIONS

SHEET NUMBER

84\201\CD\P2.5\5:28:85



HOT AND COLD WATER RISER DIAGRAM - BUILDING "B"

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

DEIONIZED WATER RISER DIAGRAM - BUILDING "A"

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

KEY PLAN

RECORD DRAWING JUNE, 1988

WATER RISERS, BUILDING "A" DEIONIZED, BUILDING "B" HOT AND COLD

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY ANSEL L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
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APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION, DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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DRAWN BY
DRB

CHECKED BY
DRB ALD

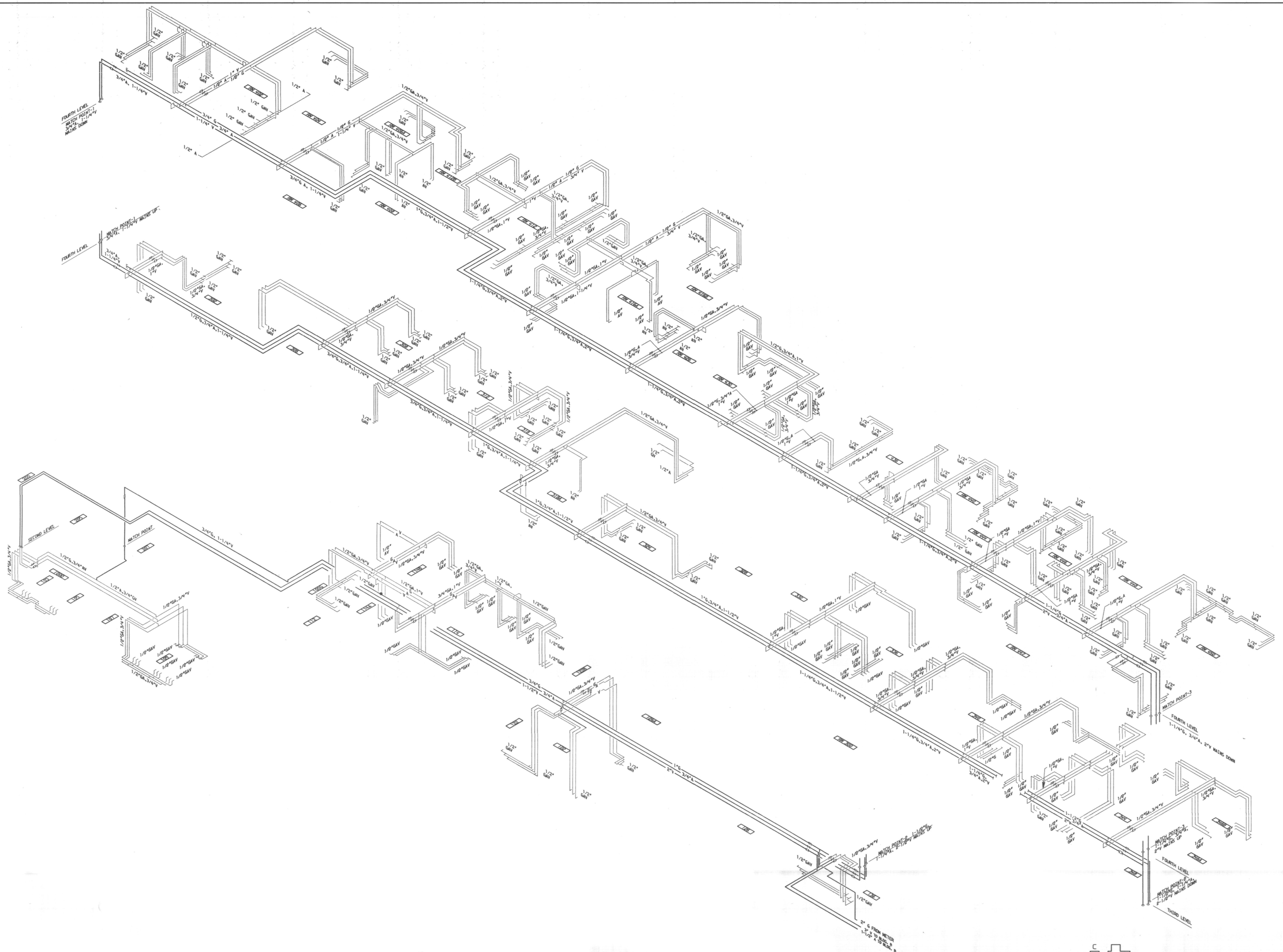
DATE
05-28-85

REVISIONS
06/17/85

Cab. # Slot Document #

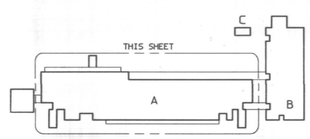
SHEET NUMBER
P2.6

8412.01/CD/P2.6/5.28.85



GAS, AIR AND VACUUM RISER DIAGRAM - BUILDING "A"

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



KEY PLAN

RECORD DRAWING JUNE, 1988

BUILDING "A" GAS, AIR AND VACUUM RISER DIAGRAM

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED

303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0971

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR, PHYSICAL PLANT DIVISION
UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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ITEMS ON SHEET

DRAWN BY
JM DRB

CHECKED BY
DRB ALD

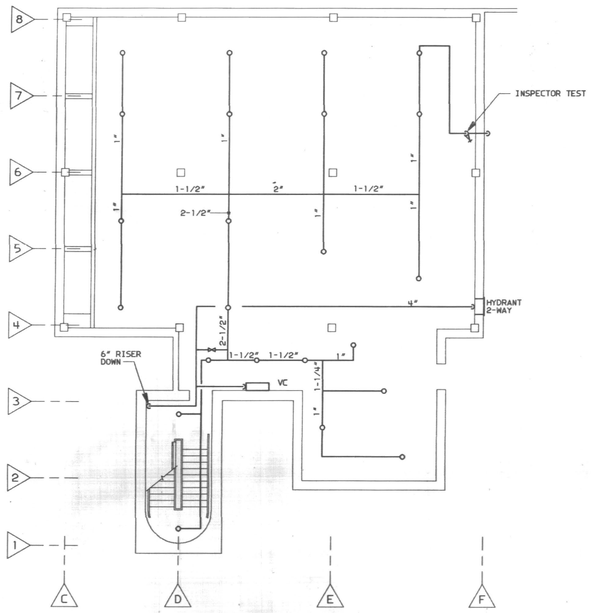
DATE
05-28-85

REVISIONS
06/17/85

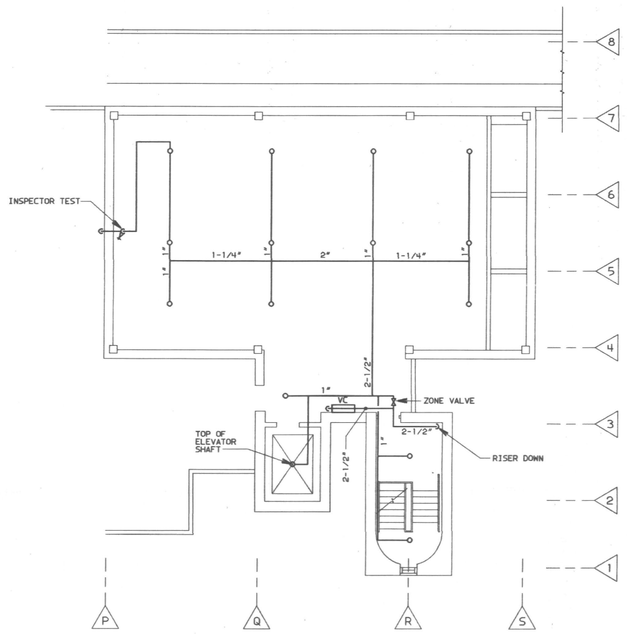
Cab.# Slot Document #

SHEET NUMBER
P2.7

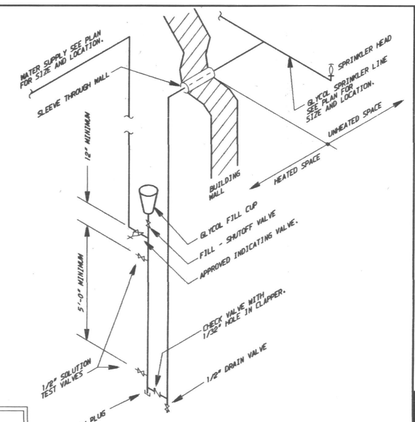
8412.01/CD/P2.7/ 5-28-85



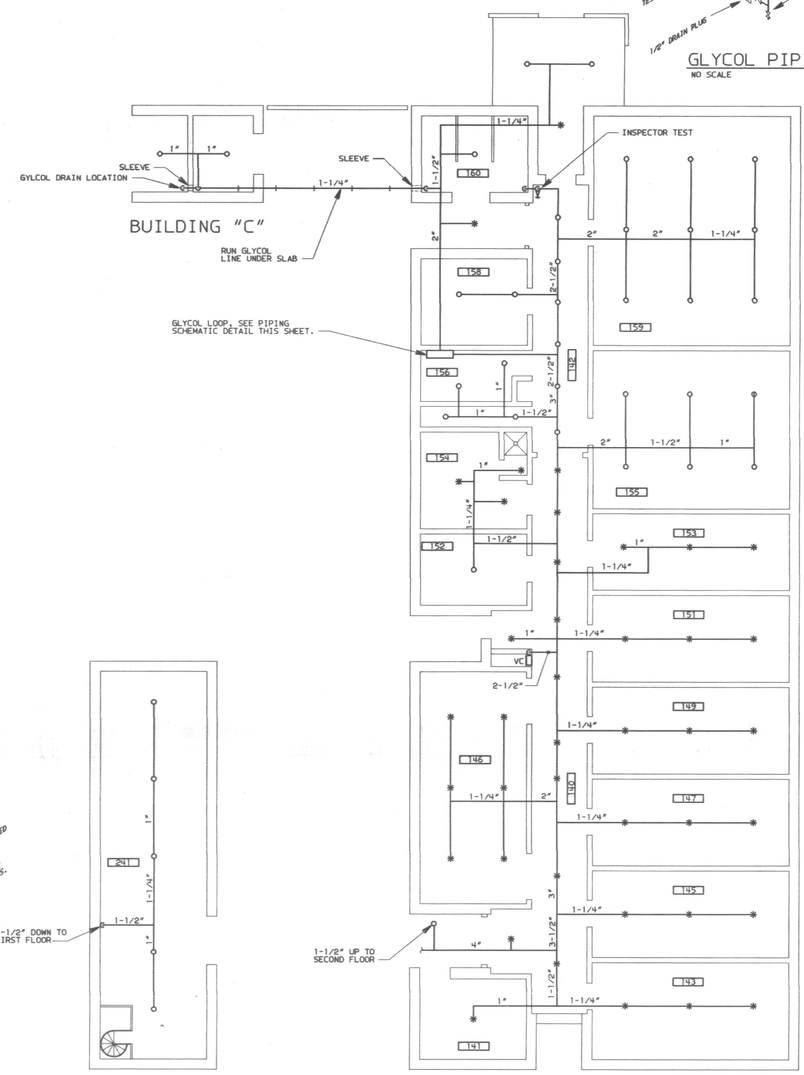
PENTHOUSE FIRE PROTECTION PLAN - NORTH
SCALE: 1/8"=1'-0"

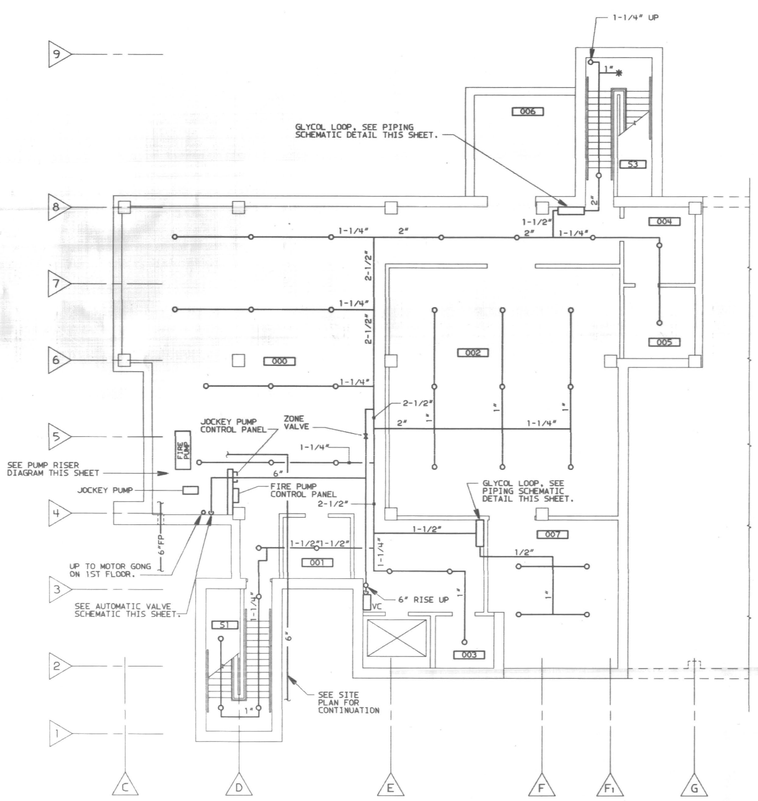


PENTHOUSE FIRE PROTECTION PLAN - SOUTH
SCALE: 1/8"=1'-0"

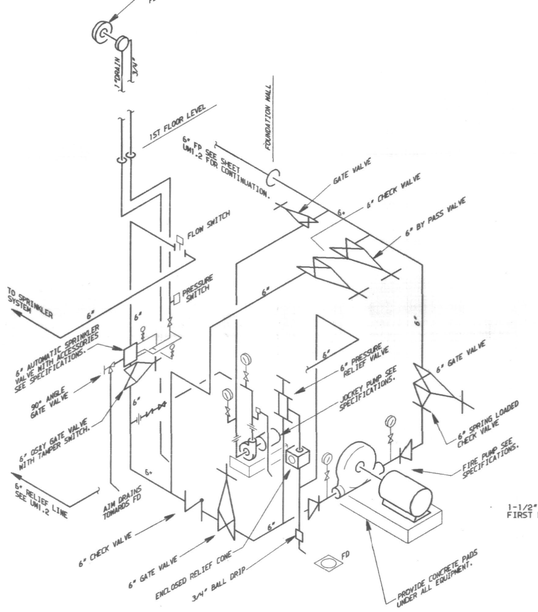


GLYCOL PIPING SCHEMATIC
NO SCALE

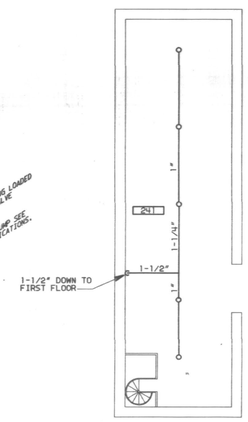




BASEMENT FIRE PROTECTION PLAN
SCALE: 1/8"=1'-0"



FIRE AND JOCKEY PUMP RISER DIAGRAM
NO SCALE



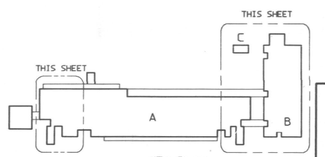
SECOND LEVEL FIRE PROTECTION - BUILDING "B"
SCALE: 1/8"=1'-0"

FIRST LEVEL FIRE PROTECTION - BUILDING "B"
SCALE: 1/8"=1'-0"

FIRE PROTECTION - LEGEND

———	PROPOSED PIPING	*	SEMI-RECESSED SPRINKLER HEAD
——FP——	FIRE PROTECTION	*DP	DRY PENDENT SPRINKLER HEAD
——+——+——	UNDERSLAB PIPING	▷	WALL MOUNTED SPRINKLER HEAD
——o ——▷	ELBOW UP, DOWN	●—	CONCEALED SPRINKLER HEAD
VC	VALVE CABINET	o—	EXPOSED SPRINKLER HEAD
AFF	ABOVE FINISHED FLOOR	⋈	ZONE VALVE WITH TAMPER SWITCH
—o—FD	INSPECTOR TEST		

REFER TO BLUEGRASS SPRINKLER O & M DRAWINGS



KEY PLAN

RECORD DRAWING JUNE, 1988

BASEMENT, PENTHOUSE AND ANIMAL QUARTERS FIRE PROTECTION

SHEET NUMBER F1.1

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-9571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY ANSEL L. L. DAVIS 2716 REGISTERED PROFESSIONAL ENGINEER

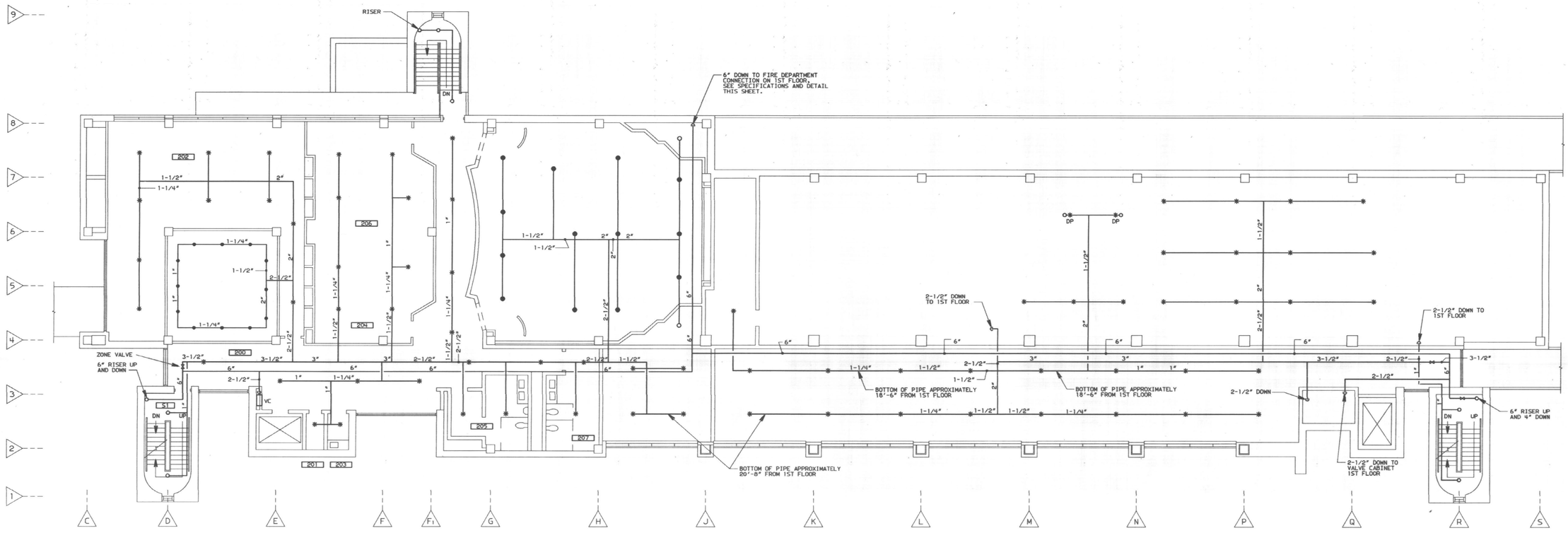
UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION, DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

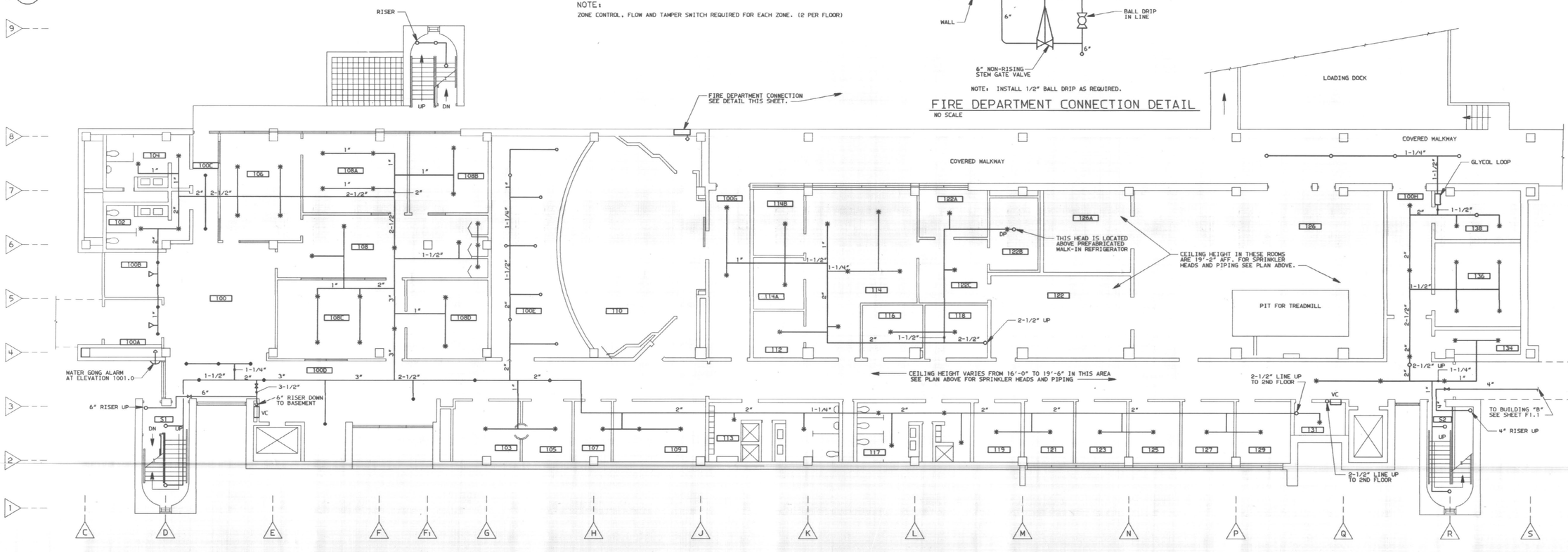
PROJECT NUMBER 8421
ITEMS ON SHEET
DRAWN BY JAG, CGT
CHECKED BY RLS, ALD
DATE 05-28-85
REVISIONS

8412.01/0D/F1.1/5.28.85

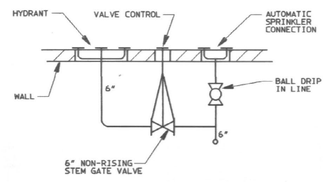


SECOND LEVEL FLOOR PLAN

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



NOTE:
ZONE CONTROL, FLOW AND TAMPER SWITCH REQUIRED FOR EACH ZONE. (2 PER FLOOR)



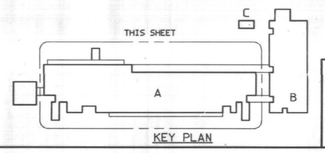
NOTE; INSTALL 1/2" BALL DRIP AS REQUIRED.

FIRE DEPARTMENT CONNECTION DETAIL

NO SCALE

FIRST LEVEL FLOOR PLAN

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



KEY PLAN

REFER TO BLUEGRASS SPRINKLER CO. DRAWING JUNE, 1988

RECORD DRAWING

FIRST AND SECOND FLOOR FIRE PROTECTION

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
ANSEL L. DAVIS
2716
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION
UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
JAG

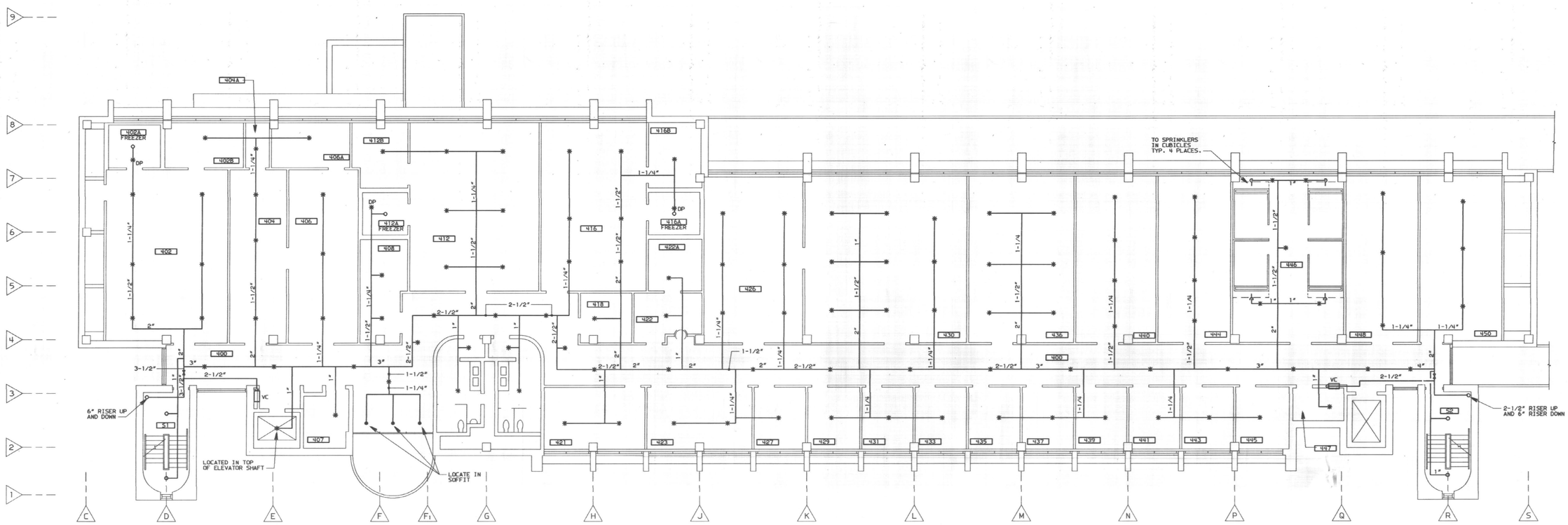
CHECKED BY
RLS ALD

DATE
05-28-85

REVISIONS

SHEET NUMBER
F1.2

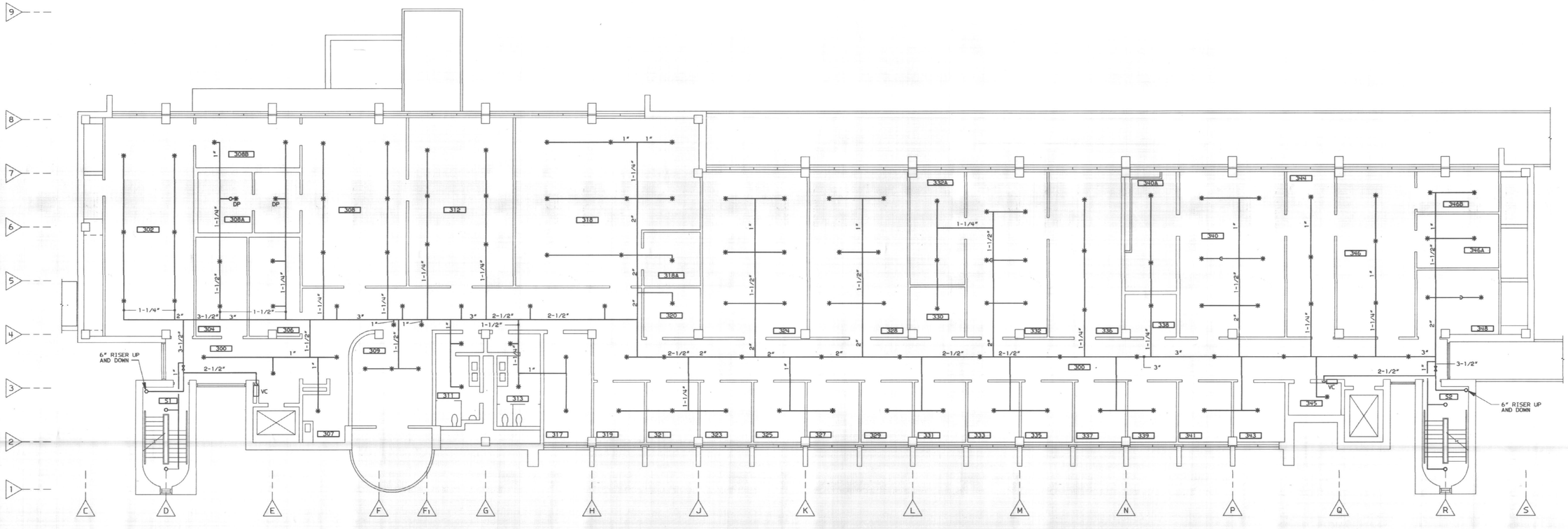
8421.01/CD/F1.2/5.28.85



FOURTH LEVEL FLOOR PLAN

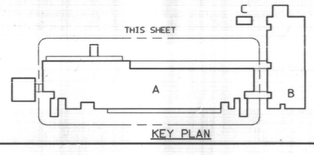
SCALE: 1/8"=1'-0"

NOTE:
ZONE CONTROL, FLOW AND TAMPER SWITCH REQUIRED FOR EACH ZONE. (2 PER FLOOR)



THIRD LEVEL FLOOR PLAN

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



KEY PLAN

REFER TO BLUEGRASS SPRINKLER RECORD DRAWING JUNE, 1988

THIRD AND FOURTH FLOOR FIRE PROTECTION

F1.3

8412.01/CD/F1.3/5-28-85

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
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LEXINGTON, KENTUCKY 40503
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806 CORPORATE DRIVE
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MECHANICAL AND ELECTRICAL ENGINEERS

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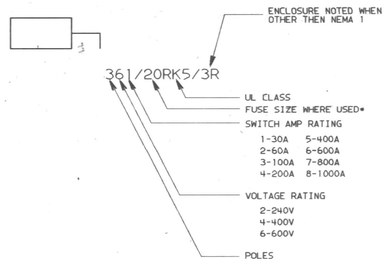
DATE
05-28-85

REVISIONS

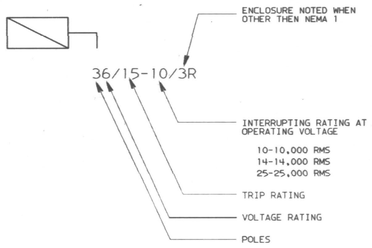
SHEET NUMBER
F1.3

STANDARD NOTATIONS

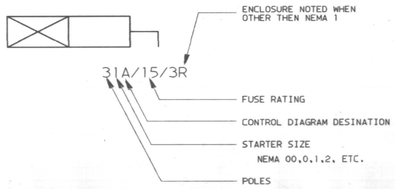


*WHEN NON-FUSED.DESIGNATION SHOWN AS 361//3R

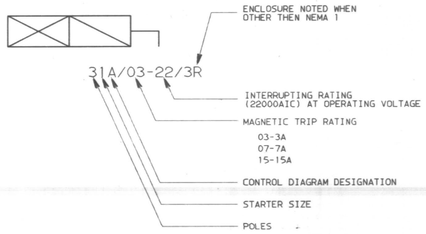
DISCONNECT SWITCH (FUSIBLE OR NON-FUSIBLE)



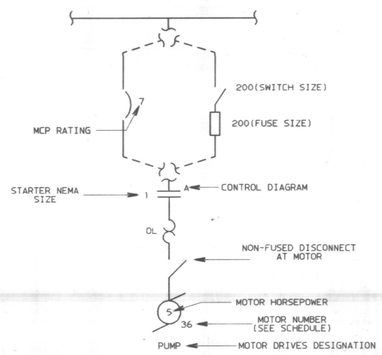
ENCLOSED CIRCUIT BREAKER



MAGNETIC MOTOR STARTER & DISCONNECT SWITCH COMBINATION TYPE



MAGNETIC MOTOR STARTER &MOTOR CIRCUIT PROTECTOR COMBINATION TYPE



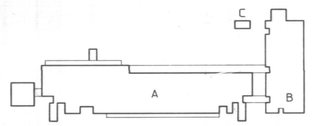
MOTOR CONTROL CENTER ONE-LINE DIAGRAM SYMBOLS

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
℄	CENTERLINE
DN	DOWN
OC	OPEN CONDUIT WITH DRAG WIRE
MS	MANUAL MOTOR STARTER
DISC	DISCONNECT
LP	LIGHTING PANEL
PP	POWER PANEL
SW	SWITCH
PNL	PANEL
HP	HORSEPOWER
WP	WEATHERPROOF
CKT	CIRCUIT
EWC	ELECTRIC WATER COOLER (CHILLED)
UN	UNIT HEATER
EF	EXHAUST FAN
XUGP	UNDERGROUND PRIMARY LINE
XUGS	UNDERGROUND SECONDARY
JB	JUNCTION BOX
OL	OVERLOAD OR OUTSIDE LIGHTING AS APPLICABLE
MH	MANHOLE

SYMBOLS

- FOUR LAMP FLUOR. FIXTURE WITH TO INSIDE LAMPS AND TWO OUTSIDE LAMPS ON INDIVIDUAL SWITCHES
- LIGHTING FIXTURE, ENCLOSED, FLUORESCENT, PENDENT, WALL, RECESSED, OR SURFACE MOUNTED. DARK CENTERS INDICATES FIXTURE IS ON EMER. SYSTEM
- LIGHTING FIXTURE, ENCLOSED 2' X 4' FLUORESCENT, RECESSED MOUNTED. DARK CENTERS INDICATES FIXTURE IS ON EMERGENCY SYSTEM
- 2' X 2' RECESSED LIGHTING FIXTURE, FLUORESCENT OR HID
- LIGHTING FIXTURE, WALL MOUNTED INCANDESCENT OR HID
- LIGHTING FIXTURE, CEILING MOUNTED OR POLE MOUNTED INCANDESCENT OR HID
- LIGHTED EXIT SIGN WITH ARROWS AS SHOWN (2 ARROWS-DOUBLE FACE,1 ARROW OR NO ARROW-SINGLE FACE)
- RECEPTACLE, DUPLEX, 125-VOLT, 2-POLE, 3-WIRE GROUNDING TYPE, NEMA 5-20R (IG INDICATES ISOLATED GROUND)
- RECEPTACLE, SINGLE, 125-VOLT, 2-POLE, 3-WIRE GROUNDING TYPE, NEMA 5-20R
- RECEPTACLE, 208-VOLTS,1-PHASE 3-POLE, 3-WIRE GROUNDING TYPE, NEMA 6-20R, OR AS NOTED.
- RECEPTACLE, 208-VOLTS, 3-PHASE,3-POLE 4-WIRE GROUNDING TYPE, NEMA 15-20R, OR AS NOTED.
- RECEPTACLE WIREWAY, INDICATES 5 DUPLEX RECEPTACLES IN RUN
- CLOCK WITH CLOCK-MOUNT RECEPTACLE AT 7'-0" AFF (SINGLE OR DOUBLE FACE AS SHOWN)
- WALL SWITCH, 120-VOLT, 20-AMPERE, SINGLE POLE (CONTROLLING FIXTURE "A")
- WALL SWITCH, 120-VOLT, 20-AMPERE, 3-WAY
- WALL SWITCH, 120-VOLT, 20-AMPERE, 4-WAY
- WALL SWITCH, 120-VOLT, 20-AMPERE, SINGLE POLE WITH PILOT LIGHT
- MANUAL MOTOR STARTER, FRACTIONAL HORSEPOWER TYPE, WITH OVERLOAD PROTECTION AND SINGLE POLE FOR 115-VOLT OPERATION OR 2-POLE FOR 208-VOLT OPERATION
- MANUAL MOTOR STARTER, 3-POLE TYPE
- WALL SWITCH, WEATHERPROOF, 120-VOLT, 20-AMPERE, SINGLE POLE WITH PILOT LIGHT
- PUSHBUTTON STATION
- JUNCTION BOX MOUNTED IN CEILING OR STRUCTURE SIZED PER NEC 370-6
- JUNCTION BOX, WALL MOUNTED FLUSH, SIZED PER NEC 370-6
- PULL AND JUNCTION BOX, SIZED PER NEC 360-18 OR AS NOTED
- MOTOR (5 HP INDICATED; MOTOR NO. 3 INDICATED)
- #10 — CONDUIT CONCEALED IN WALL OR CEILING, NUMBER AND SIZE OF WIRE AS INDICATED. 2-#12, 1-#12 GRD., 3/4" C IF NOT NOTED.
- CONDUIT RUN BELOW FLOOR SLAB
- NEUTRAL, PHASE, GROUND IN CONDUIT
- TWO CIRCUIT HOME RUN TO PANEL, INDICATED AS 3 AND 4
- INDICATES PARTIAL BRANCH OF CIRCUIT #3
- CONDUIT SEAL-OFF
- UG — UNDERGROUND CONDUIT AND WIRE
- OH — OVERHEAD (AERIAL) WIRE
- UNDERGROUND OPEN CONDUIT
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- G — GROUND CONNECTION
- 10-3/4 — GROUND ROD. SIZE AS NOTED 10-FOOT LENGTH AND 3/4" DIAMETER
- SV — SOLENOID VALVE
- T — THERMOSTAT
- TELEPHONE OUTLET, WALL MOUNTED FLUSH
- COMPUTER TERMINAL OUTLET, WALL MOUNTED FLUSH
- T1/15 — DRY TYPE TRANSFORMER, SHOWN AS WALL MOUNTED OR CEILING HUNG. NOTED AS 15 KVA, TYPE T1. SEE SCHEDULE
- T — DRY TYPE TRANSFORMER, SHOWN AS FLOOR MOUNTED
- DISCONNECT SWITCH (FUSIBLE OR NON-FUSIBLE)
- ENCLOSED CIRCUIT BREAKER
- MAGNETIC MOTOR STARTER OR ELECTRICALLY HELD ENCLOSED RELAY
- MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH, COMBINATION TYPE
- MAGNETIC MOTOR STARTER AND CIRCUIT BREAKER, COMBINATION TYPE
- LIGHTING AND POWER CIRCUIT BREAKER PANELBOARD
- POWER DISTRIBUTION CIRCUIT BREAKER PANELBOARD
- PS — PRESSURE SWITCH
- F — FIRE ALARM PULL STATION
- ● 190° — FIRE ALARM HEAT DETECTOR(190° NOTED, NO NOTATIONS INDICATES 135° DETECTOR)
- S — FIRE ALARM SMOKE DETECTOR
- FIRE ALARM COMBINATION AUDIO AND VISUAL ALARM
- OH — FIRE ALARM HOLD OPEN DEVICE
- EOL — FIRE ALARM END-OF-LINE RESISTER
- TS — FIRE ALARM VALVE TAMPER SWITCH
- FS — FIRE ALARM FLOW SWITCH
- MOTOR CONTROLLER BY EQUIPMENT MANUFACTURER
- 2-GANG BOX WITH BLANK DEVICE PLATE FOR FUTURE CARD READER
- CR / TC — 7-DAY TIME CLOCK



KEY PLAN

RECORD DRAWING JUNE,1988

SYMBOLS AND ABBREVIATIONS ELECTRICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERING

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERING

STATE OF KENTUCKY
MARWICK C. HALE, JR.
7375
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

DRAWN BY SKA RLA

CHECKED BY WCH

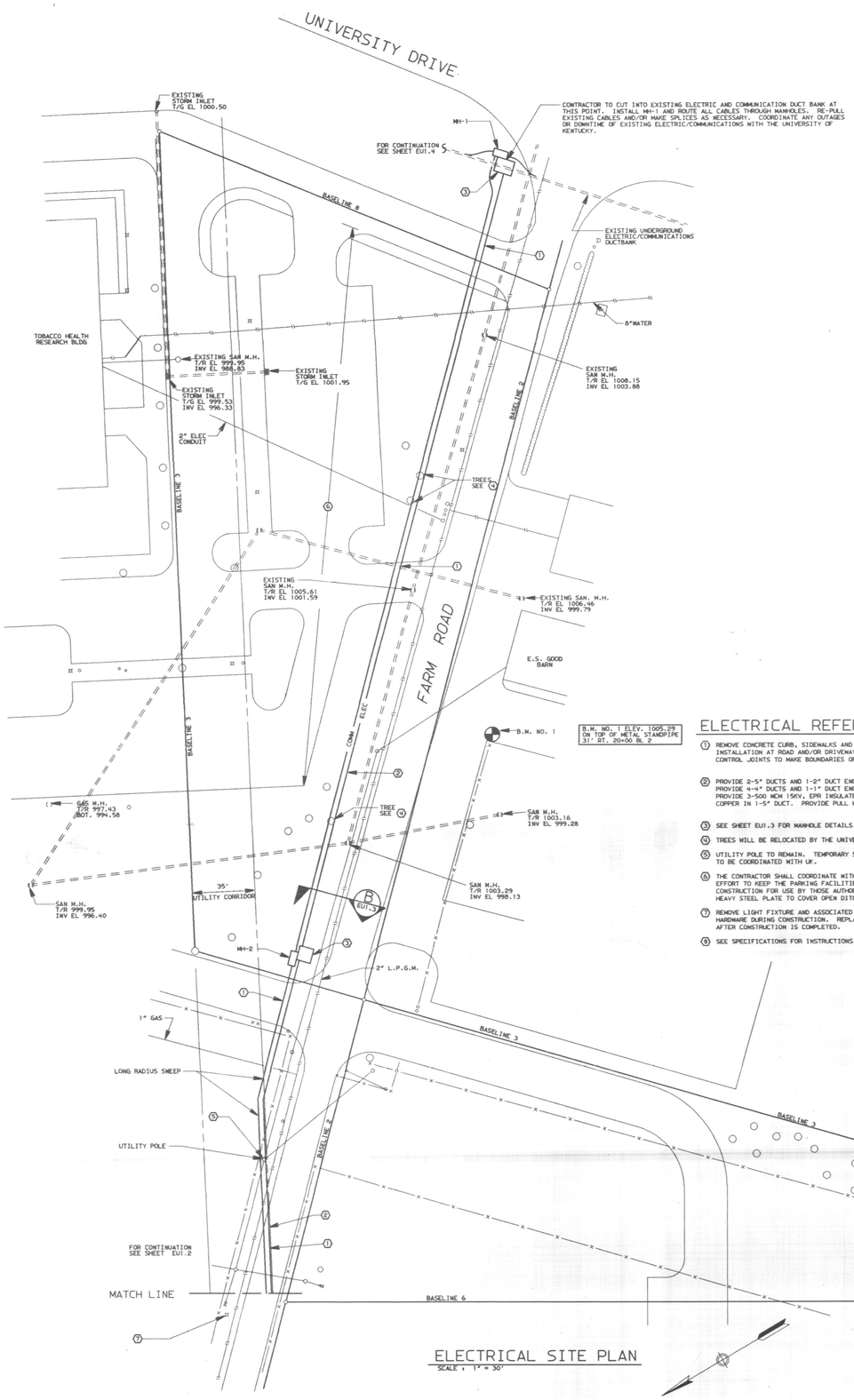
DATE 05-28-85

REVISIONS

Cab # Slot Document #

SHEET NUMBER EG1.1

8912.01/CD/EG1.1/ 5.28.85

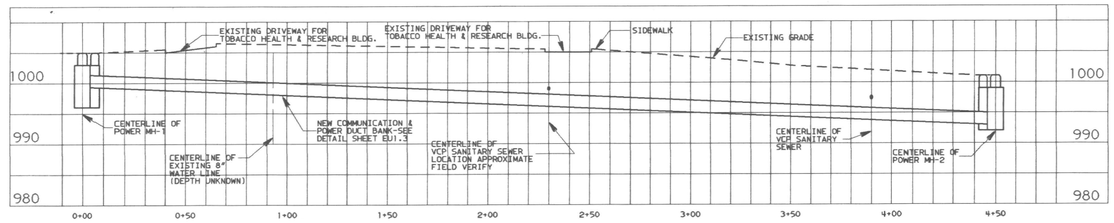


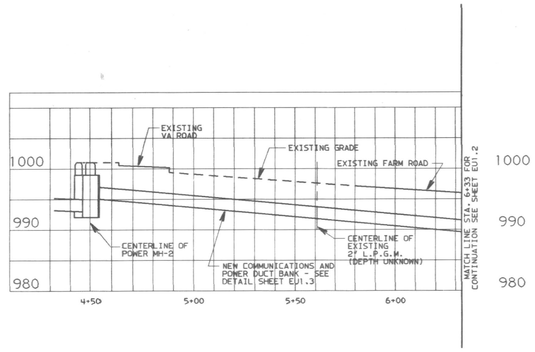
ELECTRICAL SITE PLAN

SCALE : 1" = 30'

ELECTRICAL REFERENCE NOTES

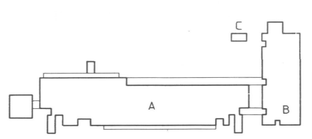
1. REMOVE CONCRETE CURB, SIDEWALKS AND ASPHALT PAVING AS REQUIRED FOR DUCT INSTALLATION AT ROAD AND/OR DRIVEWAY CROSSINGS. USE SAW CUTS OR EXISTING CONTROL JOINTS TO MAKE BOUNDARIES OF REMOVAL AT EACH DRIVE LOCATION.
2. PROVIDE 2-5" DUCTS AND 1-2" DUCT ENCASED IN CONCRETE FOR POWER. PROVIDE 4-4" DUCTS AND 1-1" DUCT ENCASED IN CONCRETE FOR COMMUNICATION. PROVIDE 3-500 MCM 15KV, EPR INSULATED, SHIELDED CABLE AND 1-500 MCM BARE COPPER IN 1-5" DUCT. PROVIDE PULL WIRE IN ALL REMAINING DUCTS.
3. SEE SHEET EU1.3 FOR MANHOLE DETAILS.
4. TREES WILL BE RELOCATED BY THE UNIVERSITY UNDER SEPARATE CONTRACT.
5. UTILITY POLE TO REMAIN. TEMPORARY SUPPORT AND/OR RELOCATION OF THE POLE TO BE COORDINATED WITH UK.
6. THE CONTRACTOR SHALL COORDINATE WITH UNIVERSITY OFFICIALS AND MAKE EVERY EFFORT TO KEEP THE PARKING FACILITIES IN THIS AREA AVAILABLE DURING CONSTRUCTION FOR USE BY THOSE AUTHORIZED TO USE IT. EXTENSIVE USE OF HEAVY STEEL PLATE TO COVER OPEN DITCHES MAY BE NECESSARY.
7. REMOVE LIGHT FIXTURE AND ASSOCIATED CIRCUITRY. STORE FIXTURE, POLE AND HARDWARE DURING CONSTRUCTION. REPLACE AND RECONNECT IN THE SAME LOCATION AFTER CONSTRUCTION IS COMPLETED.
8. SEE SPECIFICATIONS FOR INSTRUCTIONS ON UTILITY MARKER LOCATIONS.





DUCTBANK PROFILE

SCALE: 1" = 10' VERT.
1" = 30' HORIZ.



KEY PLAN

RECORD DRAWING JUNE, 1988

SITE UTILITIES
ELECTRICAL

SHEET NUMBER
EU1.1

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 WCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
894 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY R.L. ANDERSON 13,551 REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY WARWICK E. HALE, JR. 7375 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION, DIVISION, UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

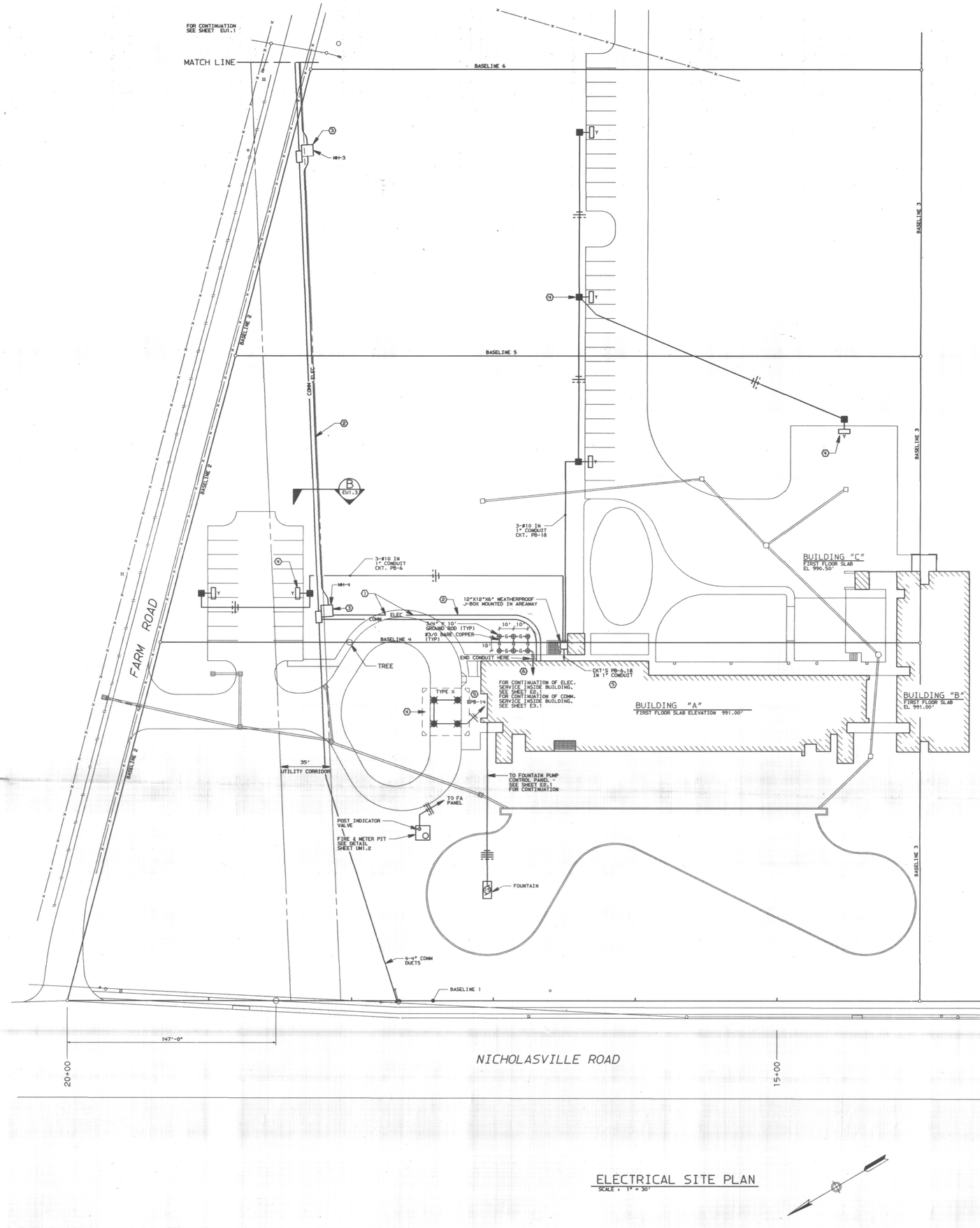
DRAWN BY
RDG JBM RLA

CHECKED BY
WCH

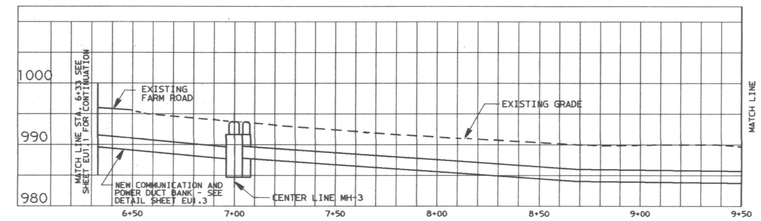
DATE
05-28-85

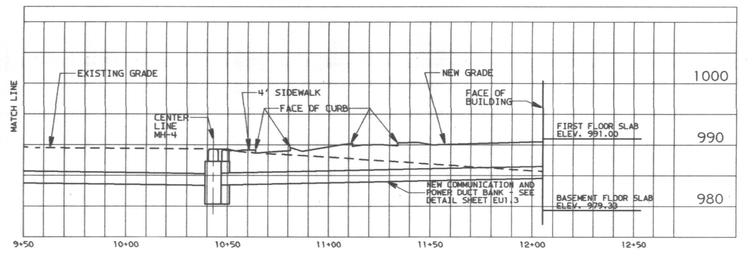
REVISIONS

8421.01/CD/EU1.1/5-28-85

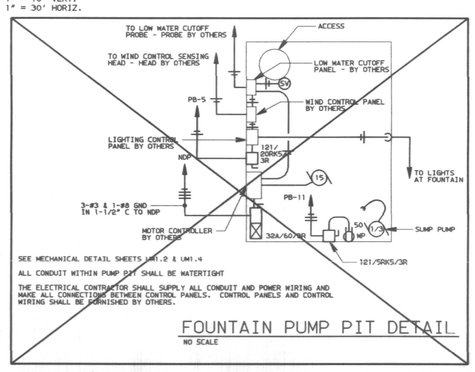


ELECTRICAL SITE PLAN
SCALE : 1" = 30'





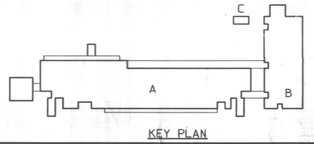
DUCTBANK PROFILE
SCALE: 1" = 10' VERT.
1" = 30' HORIZ.



FOUNTAIN PUMP PIT DETAIL
NO SCALE

ELECTRICAL REFERENCE NOTES

1. REMOVE CONCRETE CURB, SIDEWALKS AND ASPHALT PAVING AS REQUIRED FOR DUCT INSTALLATION AT ROAD AND/OR DRIVEWAY CROSSINGS. USE SAW CUTS OR EXISTING CONTROL JOINTS TO MAKE BOUNDARIES OF REMOVAL AT EACH DRIVE LOCATION.
2. PROVIDE 2-5" DUCTS AND 1-2" DUCT ENCASED IN CONCRETE FOR POWER. PROVIDE 4-4" DUCTS AND 1-1" DUCT ENCASED IN CONCRETE FOR COMMUNICATION. PROVIDE 3-500 MCM 15KV, EPR INSULATED, SHIELDED CABLE AND 1-500 MCM BARE COPPER IN 1-5" DUCT. PROVIDE PULL WIRE IN ALL REMAINING DUCTS.
3. SEE SHEET EU1.3 FOR MANHOLE DETAILS.
4. REFER TO SHEET E5.3 FOR LIGHT FIXTURE DETAILS AND INSTALLATION DETAILS.
5. LIGHTS CIRCUITED FROM PANEL PB THROUGH LIGHTING CONTACTOR AND TIME CLOCK LOCATED IN ROOM 002 IN BASEMENT. SEE DIAGRAM SHEET E5.3.
6. 3/0 BARE COPPER IN 3/4" CONDUIT TO INDOOR SWITCHGEAR. BOND EACH END OF WIRE TO CONDUIT.



KEY PLAN

RECORD DRAWING JUNE, 1988

SITE UTILITIES AND LIGHTING ELECTRICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
PAVI REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

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UNIVERSITY PROJECT NUMBER
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APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
RDG JBM RLA

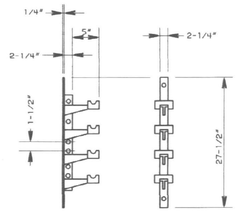
CHECKED BY
WCH

DATE
05-28-85

REVISIONS

SHEET NUMBER
EU1.2

8421.01/CF/EU1.2/5.28.85

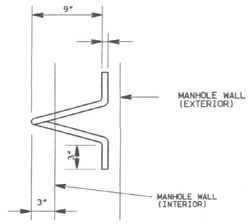


CABLE RACK

NO SCALE

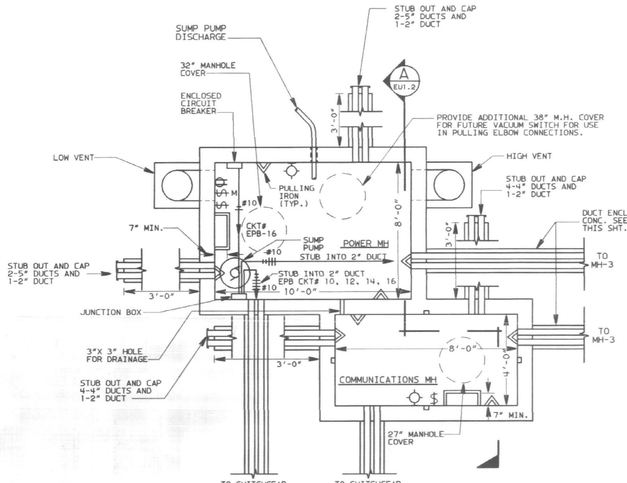
NOTE: 1) FASTEN TO ALL WALLS OF MANHOLE BY MEANS OF 2-1/2"x1/2" BOLTS & EXPANSION SHIELDS.

2) PROVIDE CABLE RACKS FOR CABLING AS NECESSARY



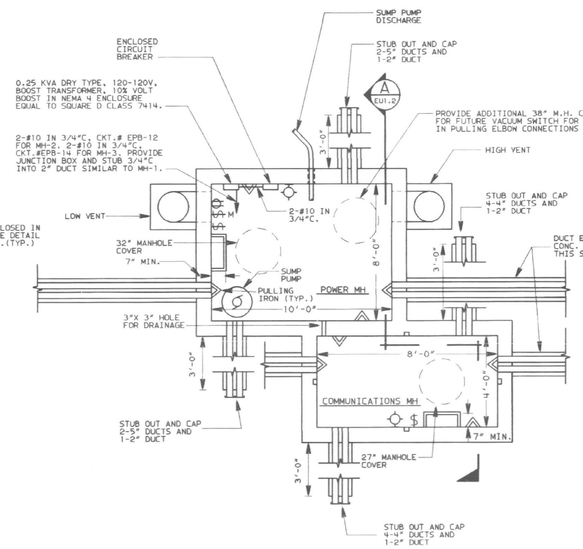
PULLING IRON

NO SCALE



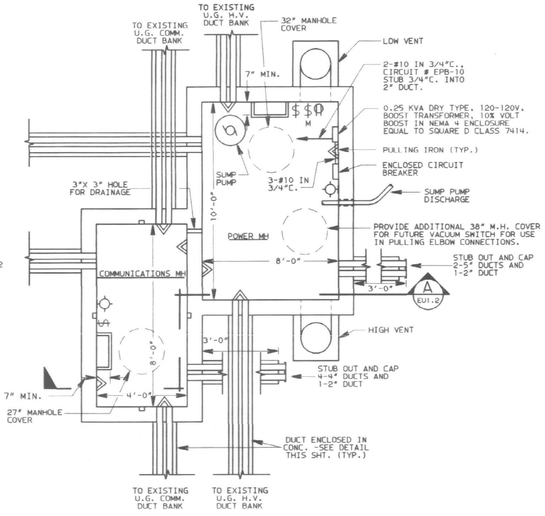
MH-4 PLAN VIEW

NO SCALE



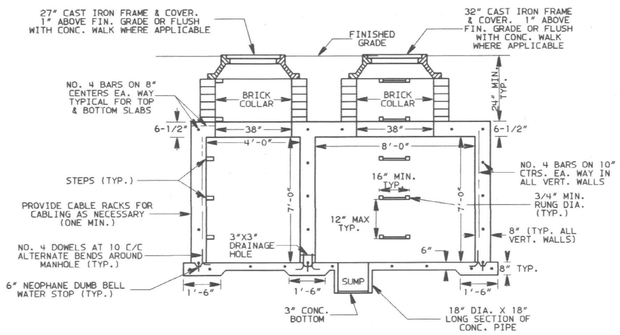
MH-2 & MH-3 PLAN VIEW

NO SCALE



MH-1 PLAN VIEW

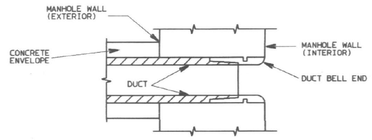
NO SCALE



SECTION A-A

NO SCALE

A EU1.2

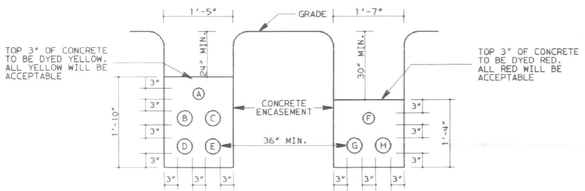


DUCT LINE ENTRANCE

NO SCALE

MANHOLE NOTES

1. ALL MANHOLES SHALL BE REINFORCED CONCRETE TYPE AND SHALL MEET OR EXCEED THE FOLLOWING:
   EARTH LOAD - 2' FILL AT 130 LB/CU.FT
   SURCHARGE - 2' AT 130 LB/CU.FT
   LIVE LOAD - AASHO H-20 TRUCK LOAD WITH 20% IMPACT
   FC - 4500 PSI
   FY - 60,000 PSI
2. THE MANHOLE SHALL UTILIZE GRADE 60 REINFORCING RODS WELDED TOGETHER TO PROVIDE A FULLY CONTINUOUS CAGE.
3. ALL CONCRETE SHALL MEET OR EXCEED 4500 PSI COMPRESSION STRENGTH.
4. WEATHERPROOF EXTERIOR SURFACES OF BELOW GRADE PORTIONS OF SIDES AND TOPS OF ALL MANHOLES.
5. MANHOLE FRAMES AND LIDS SHALL BE EQUAL TO NEENAH SERIES R-1640 WITH DROP HANDLES AND OPEN PICKHOLES. THE LID SHALL HAVE 2" HIGH LETTERING "ELECTRIC" OR "TELEPHONE" AS REQUIRED. ELECTRIC MANHOLE SHALL HAVE 1/2" SQUARE NUT WELDED BETWEEN THE "C" AND "T" WITH U.S.S. THREAD.
6. THE ENCLOSED CIRCUIT BREAKER SHALL BE A 20 AMP, 120 VOLT AC IN A NEMA 4 ENCLOSURE EQUAL TO SQUARE D FAE 12020 DS WITH ONE SQUARE D 20 AMP, 1-POLE TYPE FA CIRCUIT BREAKER.
7. LIGHT SWITCHES SHALL BE 20 AMP, 120 VOLT MOUNTED IN A WEATHERPROOF ENCLOSURE AND BE EQUAL TO CROUSE HINDS DS 185.
8. DUPLEX RECEPTACLES SHALL BE 20 AMP, 120 VOLT GROUNDING TYPE MOUNTED IN A WEATHERPROOF ENCLOSURE WITH GASKETED SPRING COVERS AND SHALL BE EQUAL TO CROUSE HINDS DS 70G.
9. MANUAL STARTERS FOR SUMP PUMP SHALL HAVE OVERLOAD PROTECTION AND SHALL BE MOUNTED IN NEMA 4X ENCLOSURE. THE DEVICE SHALL BE EQUAL TO SQUARE D MBN-1.
10. THE SUMP PUMP SHALL BE A SINGLE UNIT MOTOR PUMP COMBINATION WITH AN INTERGAL AUTOMATIC WATER PRESSURE OPERATED MICRO SWITCH AND WATERPROOF TYPE SO CORD. THE PUMP SHALL BE EQUAL TO WEIL SS-803-11D.
11. LIGHT FIXTURES SHALL BE WALL MOUNTED VAPORTITE, 120 VOLT, 100 WATT, INCANDESCENT UNIT WITH CLEAR PLASTIC GLOBE AND GUARD. FIXTURES SHALL BE EQUAL TO CROUSE HINDS VXHB.
12. HARDWARE IN MANHOLES SUCH AS PULLING IRONS AND STEPS SHALL BE GALVANIZED OR STAINLESS STEEL. CABLE RACKS SHALL BE ALUMINUM.
13. LOW VOLTAGE WIRING SHALL BE IN RIGID STEEL CONDUIT.
14. ANY JUNCTION BOXES SHALL BE GASKETED CAST TYPE.
15. ALL NON-CURRENT CARRYING METAL PARTS OF THE MANHOLE SHALL BE GROUNDED.
16. ALL REINFORCED BARS FOR MANHOLES SHALL BE #4.
17. BEND AND PLACE ALL REINFORCEMENT SO THAT IT SHALL BE 2" CLEAR OF ALL EXTERIOR SUFFACES, 1-1/2" CLEAR OF ALL INTERIOR AND FLOOR SURFACES, AND 1" CLEAR OF BOTTOM SURFACES OF TOP SLAB.
18. THE FLOORS IN THE POWER SIDE THE OF MANHOLE SHALL BE SLOPED TOWARDS SUMP PIT. THE FLOORS IN THE COMMUNICATION SIDE SHALL BE SLOPED TO THE DRAINAGE HOLE.
19. INSTALL 1" DRAIN LINE TO CURB OR STREET FOR SUMP PUMP DISCHARGE.
20. ROUTE ALL LOW VOLTAGE WIRING FOR ENCLOSED CIRCUIT BREAKERS IN 2" DUCT.
20. CONTRACTOR TO PROVIDE CABLE RACKS FOR POWER AND COMMUNICATION CABLING AS NECESSARY.
21. CONTRACTOR TO LOOP CABLE THRU MANHOLES FOR CONNECTION TO FUTURE VACUUM SWITCHES.



COMMUNICATIONS

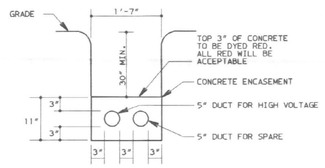
A- 2" DUCT FOR MONITOR
B - 4" DUCT FOR CAMPUS TV
C - 4" DUCT FOR COMPUTER
D - 4" DUCT FOR TELEPHONE
E - 4" DUCT FOR SPARE

POWER

F - 2" DUCT FOR LOW VOLTAGE
G - 5" DUCT FOR HIGH VOLTAGE
H - 5" DUCT FOR SPARE

SECTION B EU1.3

NO SCALE



SECTION C EU1.3

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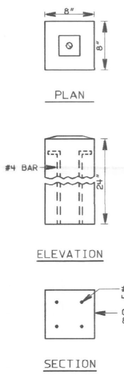
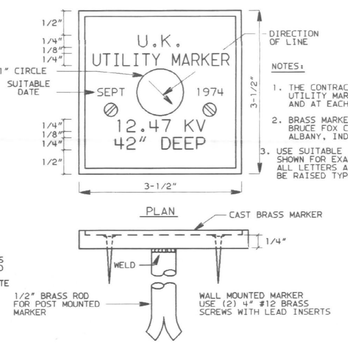




NOTES:

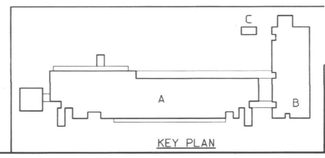
1. THE CONTRACTOR SHALL PROVIDE UTILITY MARKER AT EACH BEND AND AT EACH ROAD CROSSING.
2. BRASS MARKER IS CAST BY BRUCE FOX COMPANY, NEW ALBANY, INDIANA
3. USE SUITABLE INFO. (LETTERING SHOWN FOR EXAMPLE ONLY), ALL LETTERS AND MARKS TO BE RAISED TYPE.

UTILITY MARKER AND POST DETAILS

NO SCALE

DUCT LINE NOTES

1. SURFACES MUST BE CUT, PATCHED, AND OTHERWISE REPAIRED TO MATCH EXISTING SURFACES. REMOVE CONCRETE CURB, SIDEWALKS AND ASPHALT PAVING AS REQUIRED FOR DUCT INSTALLATIONS AT ALL CROSSINGS. USE SAW CUTS OR EXISTING CONTROL JOINTS TO MARK BOUNDARIES OF REMOVAL AT EACH LOCATION.
2. THE DUCT SHALL CONSIST OF 75% PITCH AND 25% FIBER AND SHALL HAVE A COEFFICIENT OF FRICTION OF BETWEEN .25-.30. ALL FIBRE DUCT SHALL EXCEED FEDERAL REQUIREMENTS WC-581 AND BELL LABORATORY AT-7047 SPECIFICATIONS. PVC SCHEDULE 40 WILL BE ACCEPTABLE.
3. PROVIDE PLASTIC DUCT SPACERS AT A MAXIMUM OF 8' INTERVALS. SECURE DUCT TO SPACERS AND ANCHOR EACH SPACER TO PREVENT FLOATING DURING CONCRETE INSTALLATION.
4. CONCRETE SHALL BE 2500 PSI AT 28 DAYS.
5. PROVIDE PULL WIRE IN ALL DUCTS.
6. PITCH DUCT BANK TO DRAIN INTO MANHOLES.
7. EACH DUCT RUN SHALL BE DONE WITH CONTINOUS POURS. ANY POURS NOT COMPLETED IN ONE DAY SHALL HAVE TWO NO. 6 REBARS STUBBED OUT FOR CONTINUATION THE NEXT DAY.
8. BOND OR DOWEL ALL CONNECTIONS BETWEEN NEW DUCT BANK AND EXISTING.
9. WHERE TRENCH WALLS ARE UNSTABLE OR THE TRENCH WIDTH IS WIDER THEN THE ENVELOPE, THE ENVELOPE SHALL BE FORMED AS REQUIRED.
10. REINFORCING SHALL BE INSTALLED IN ALL ENVELOPES CROSSING STREETS AND AT ALL OTHER LOCATIONS SHOWN ON THE DRAWINGS.



KEY PLAN

RECORD DRAWING JUNE, 1988

MANHOLE DETAILS ELECTRICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY R.L. ANDERSON 13,551 REGISTERED PROFESSIONAL ENGINEER

STATE OF KENTUCKY WARWICK C. HALE, JR. 7375 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

DRAWN BY SKA RLA

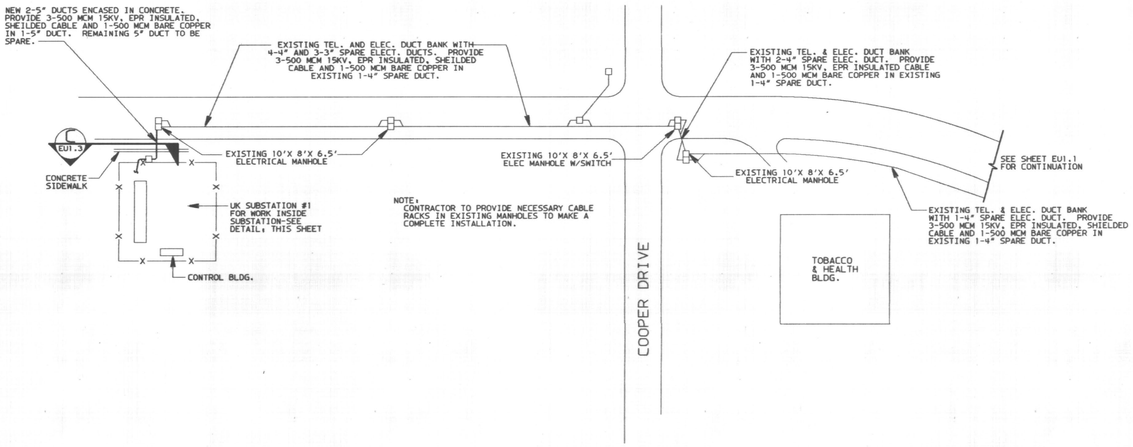
CHECKED BY WCH

DATE 05-28-85

REVISIONS

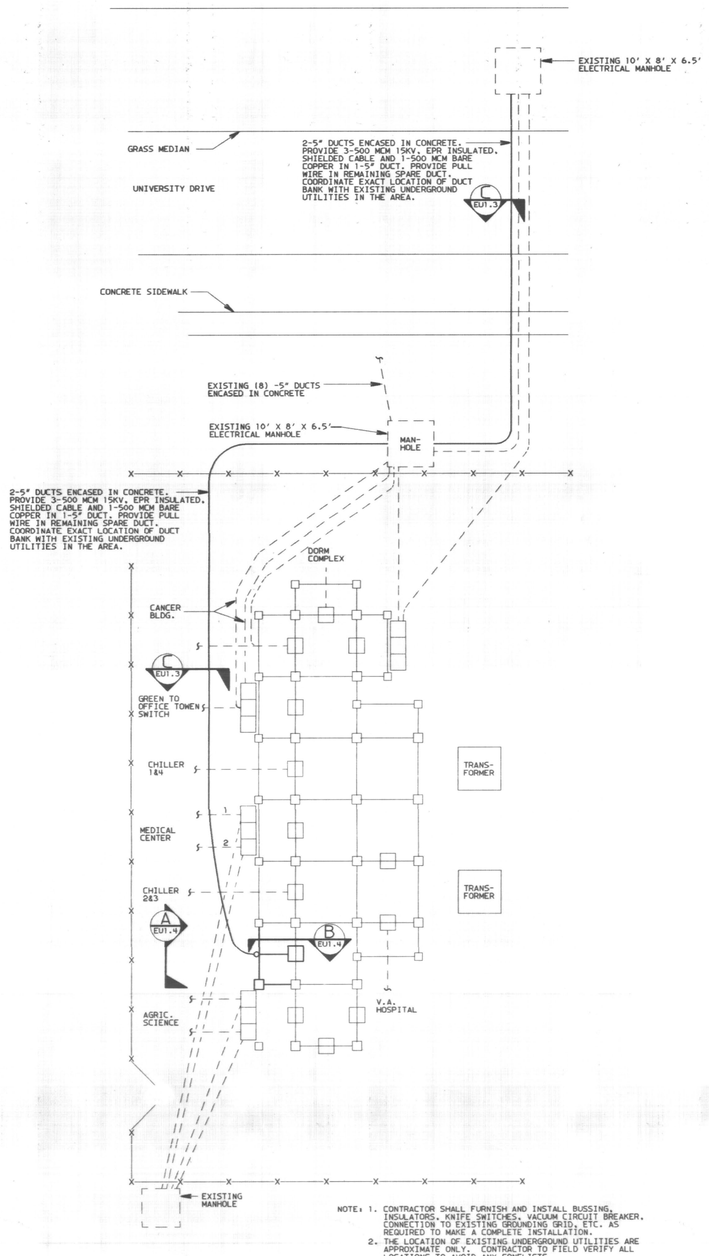
SHEET NUMBER EU1.3

8412.01/CD/EU1.2/E12585



PARTIAL SITE PLAN

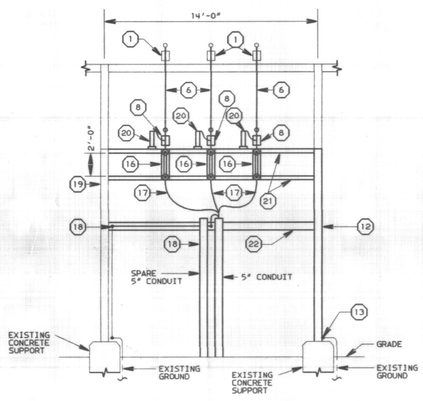
SCALE: 1" = 100'



NOTE: 1. CONTRACTOR SHALL FURNISH AND INSTALL BUSSING, INSULATORS, KNIFE SWITCHES, VACUUM CIRCUIT BREAKER, CONNECTION TO EXISTING GROUNDING GRID, ETC. AS REQUIRED TO MAKE A COMPLETE INSTALLATION.
2. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE ONLY. CONTRACTOR TO FIELD VERIFY ALL LOCATIONS TO AVOID ANY CONFLICTS.

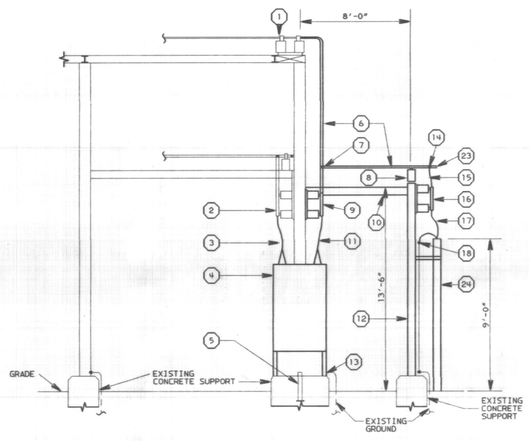
U.K. MEDICAL CENTER 12 KV SUBSTATION - PARTIAL PLAN

SCALE: 1" = 10'-0"



ELEVATION A

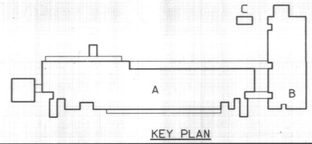
NO SCALE — EU1.4



ELEVATION B

NO SCALE — EU1.4

1. EXISTING 3-POLE, SINGLE THROW GROUP OPERATED SWITCH WITH TERMINALS FOR NEW COPPER TUBING CONNECTION.
2. THREE EXISTING 1-POLE, SINGLE THROW DISCONNECT SWITCHES WITH TERMINALS FOR NEW 500 MCM COPPER CABLE CONNECTIONS ON LOWER END.
3. PROVIDE 500 MCM COPPER CABLE (ONE PER PHASE) FROM OCB BUSHINGS TO (2).
4. PROVIDE 15KV, 1200 AMP OUTDOOR VACUUM DISTRIBUTION BREAKER.
5. EXISTING CONDUITS STUBBED OUT AT CONCRETE BASE. CONNECTION TO DIFF. PANEL IN K.U. CONTROL BUILDING BY KENTUCKY UTILITIES.
6. PROVIDE 1" EHPS COPPER TUBING, ASTM-B-188, HARD DRAWN
7. PROVIDE THREE TEE CONNECTORS FOR 1" EHPS COPPER TUBING.
8. PROVIDE THREE 15KV POST INSULATORS FOR 1" EHPS COPPER TUBING.
9. PROVIDE THREE 1-POLE, SINGLE THROW DISCONNECT SWITCHES COMPLETE WITH 15KV POST INSULATORS, BASE AND TERMINALS ON HINGE END FOR 500 MCM COPPER CABLE AND TERMINALS ON OPPOSITE END FOR 1" EHPS COPPER TUBING. SWITCHES TO BE VERTICAL MOUNT WITH 135° BLADE STOPS.
10. PROVIDE HORIZONTAL GALVANIZED STEEL SUPPORT COMPLETE WITH GALVANIZED ANCHOR BOLTS EQUAL TO EXISTING STRUCTURE.
11. PROVIDE 500 MCM COPPER CABLE (ONE PER PHASE) FROM OCB BUSHINGS TO (9).
12. PROVIDE VERTICAL GALVANIZED STEEL SUPPORT COMPLETE WITH GALVANIZED ANCHOR BOLTS EQUAL TO EXISTING STRUCTURE.
13. PROVIDE GROUND CLAMP FOR SINGLE CABLE TO STEEL.
14. PROVIDE THREE TEE CONNECTORS FOR 1" EHPS COPPER TUBING. TAP TO BE FOR 500 MCM COPPER CABLE.
15. PROVIDE 500 MCM COPPER (ONE PER PHASE) FROM 1" EHPS COPPER TO (16).
16. SAME AS ITEM (9) EXCEPT 500 MCM COPPER CABLE TERMINALS ON BOTH ENDS.
17. PROVIDE 500 MCM COPPER CABLE.
18. PROVIDE GROUND CLAMP FOR CABLE TO CABLE CONNECTION.
19. EXISTING VERTICAL GALVANIZED STEEL SUPPORT.
20. PROVIDE THREE 9KV DISTRIBUTION SURGE ARRESTERS COMPLETE WITH MOUNTING BRACKET.
21. PROVIDE HORIZONTAL GALVANIZED STEEL SUPPORT COMPLETE WITH GALVANIZED ANCHOR BOLTS FOR KNIFE SWITCHES AND SURGE ARRESTERS. INSTALLATION TO BE SIMILIAR TO EXISTING SUPORTS.
22. PROVIDE HORIZONTAL GALVANIZED STEEL SUPPORT COMPLETE WITH GALVANIZED ANCHOR BOLTS FOR RISER CONDUITS.
23. PROVIDE THREE END-ON COUPLERS FOR 1" EHPS COPPERS TUBING.
24. 5" CONDUIT



KEY PLAN

RECORD DRAWING JUNE, 1988

UTILITIES DETAILS
ELECTRICAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

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800 CORPORATE DRIVE
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UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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SKA RLA

CHECKED BY
WCH

DATE
05-28-85

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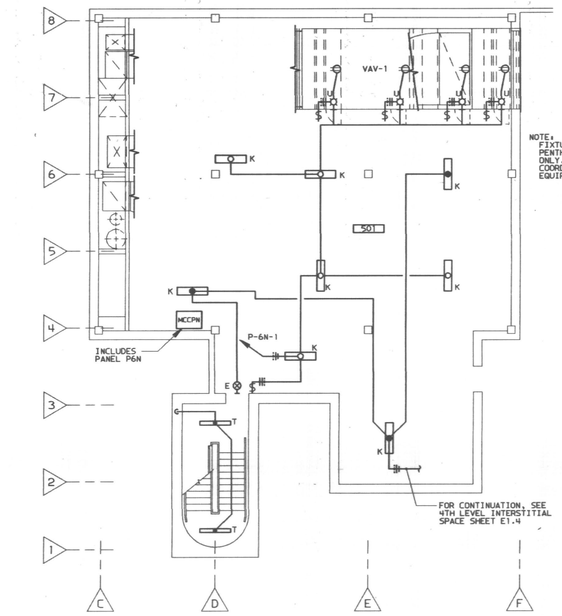
SHEET NUMBER
EU1.4

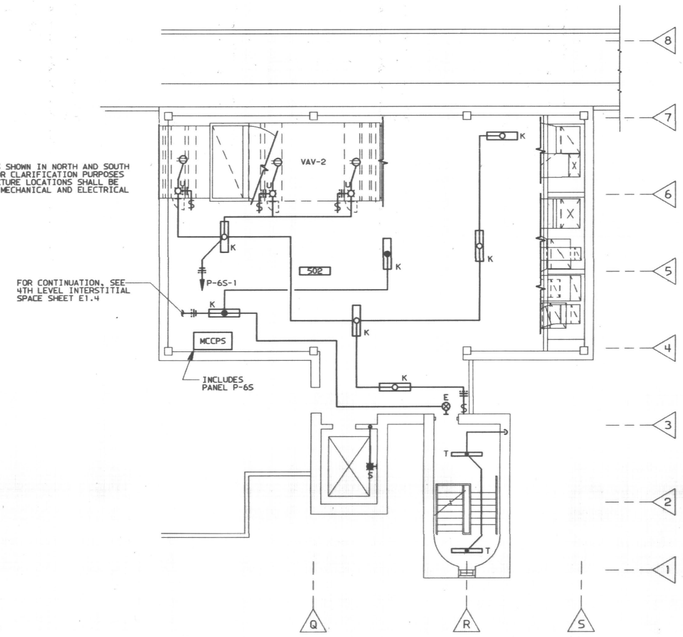
Cab.# Slot Document #
4015671

8421.01/CD/EU1.4/5.28.85



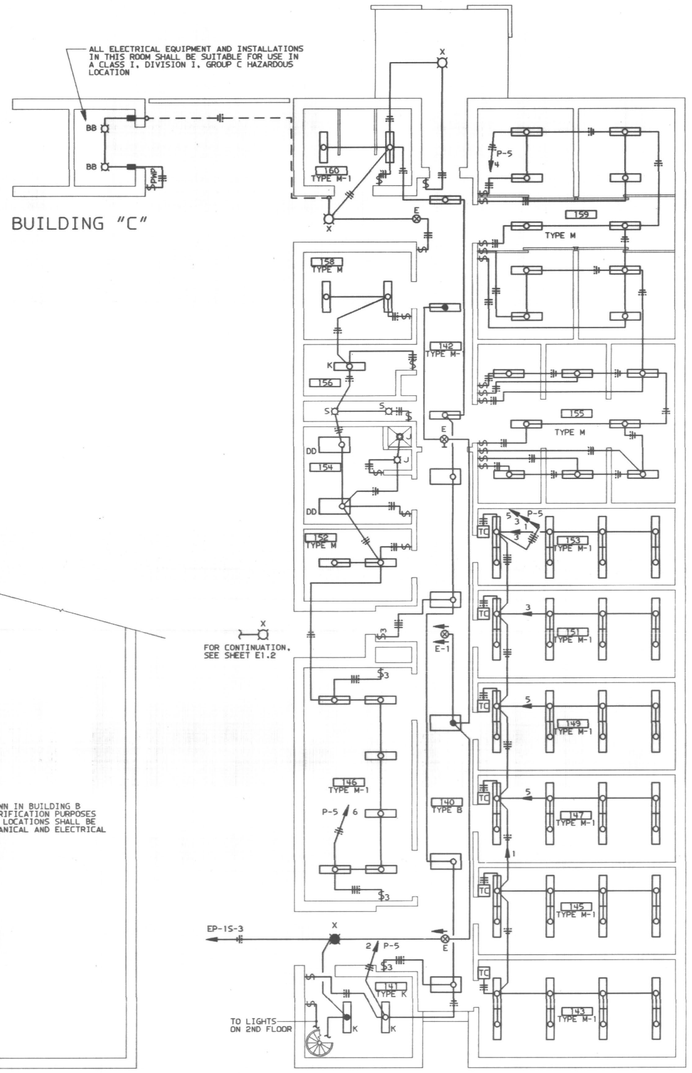
PENTHOUSE FLOOR PLAN - NORTH
SCALE: 1/8" = 1'-0"

NOTE:
FIXTURE LOCATIONS SHOWN IN NORTH AND SOUTH PENTHOUSES ARE FOR CLARIFICATION PURPOSES ONLY. ACTUAL FIXTURE LOCATIONS SHALL BE COORDINATED WITH MECHANICAL AND ELECTRICAL EQUIPMENT.

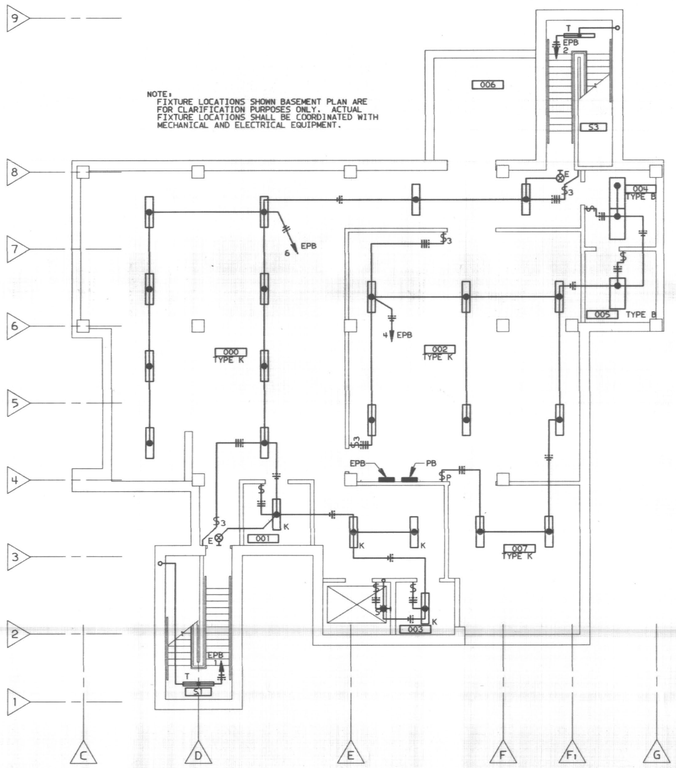


PENTHOUSE FLOOR PLAN - SOUTH
SCALE: 1/8" = 1'-0"

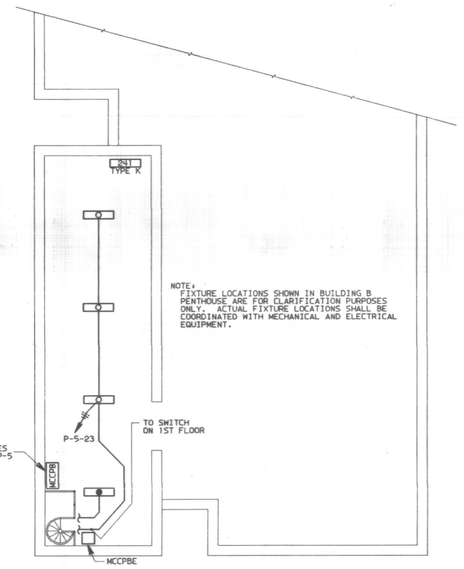
ALL ELECTRICAL EQUIPMENT AND INSTALLATIONS IN THIS ROOM SHALL BE SUITABLE FOR USE IN A CLASS I, DIVISION 1, GROUP C HAZARDOUS LOCATION



BUILDING "C"

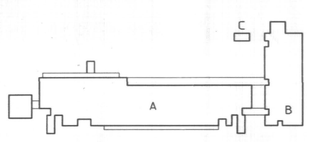


BASEMENT FLOOR PLAN
SCALE: 1/8"=1'-0"



SECOND LEVEL FLOOR PLAN - BUILDING "B"
SCALE: 1/8"=1'-0"

FIRST LEVEL FLOOR PLAN - BUILDING "B"
SCALE: 1/8"=1'-0"



KEY PLAN

RECORD DRAWING JUNE, 1988

BASEMENT, PENTHOUSE AND ANIMAL QUARTERS LIGHTING

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
894 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
300 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY WARWICK E. HALE, JR. 7375 REGISTERED PROFESSIONAL ENGINEER

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UNIVERSITY OF KENTUCKY
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COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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DRAWN BY
JBM LTV

CHECKED BY
WCH

DATE
05-28-85

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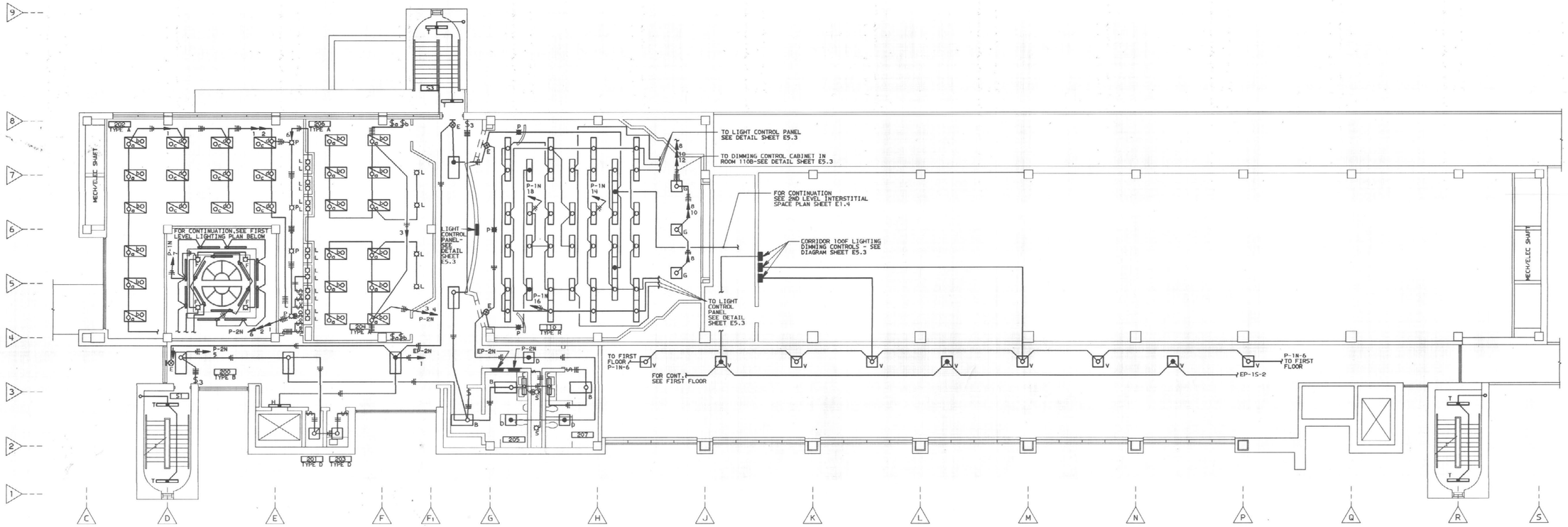
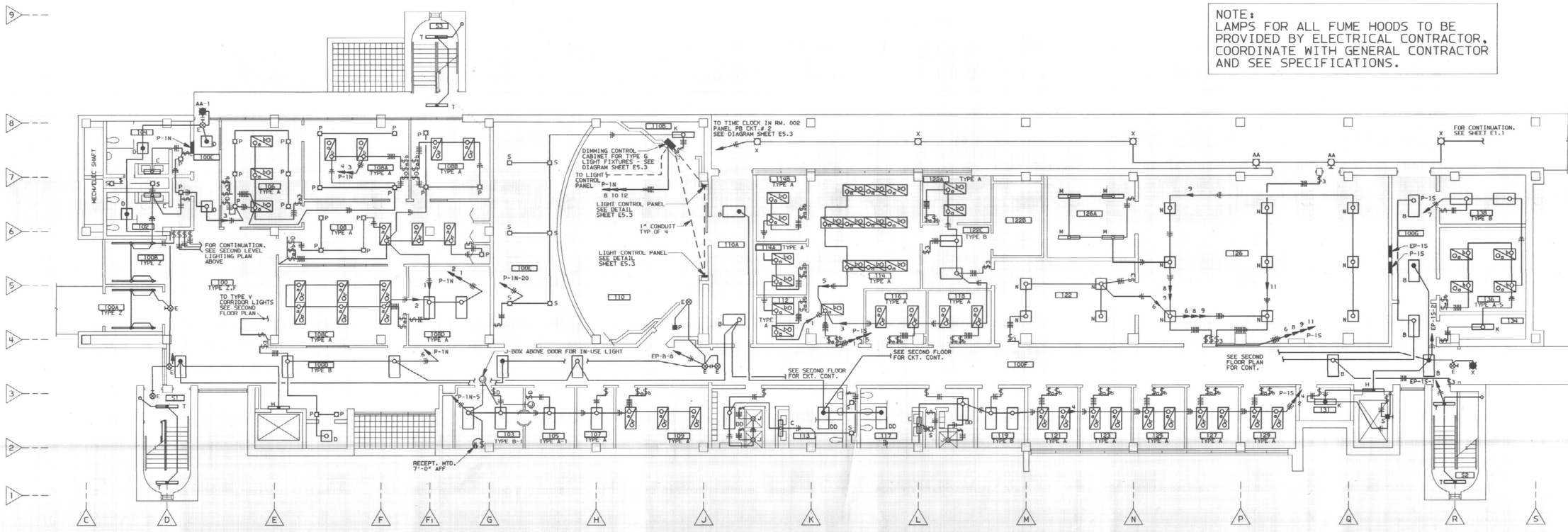
SHEET NUMBER
E1.1

8421.01/CD/E1.1/5.28.85

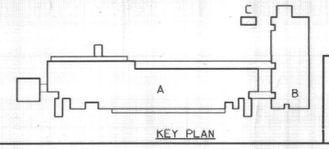


SECOND LEVEL FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
LAMPS FOR ALL FUME HOODS TO BE PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE WITH GENERAL CONTRACTOR AND SEE SPECIFICATIONS.



FIRST LEVEL FLOOR PLAN
SCALE: 1/8"=1'-0"



KEY PLAN

RECORD DRAWING JUNE. 1988

FIRST AND SECOND FLOOR LIGHTING

E1.2

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
305 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY WARWICK C. HALE, JR. 7375 REGISTERED PROFESSIONAL ENGINEER

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DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

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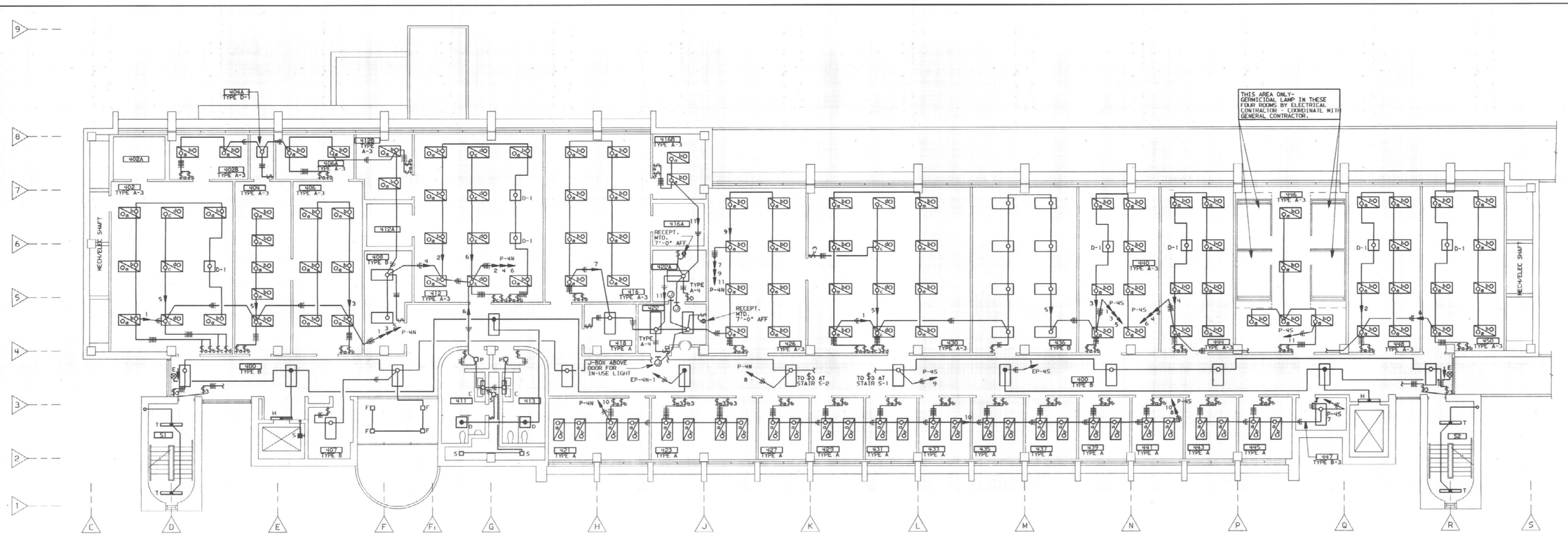
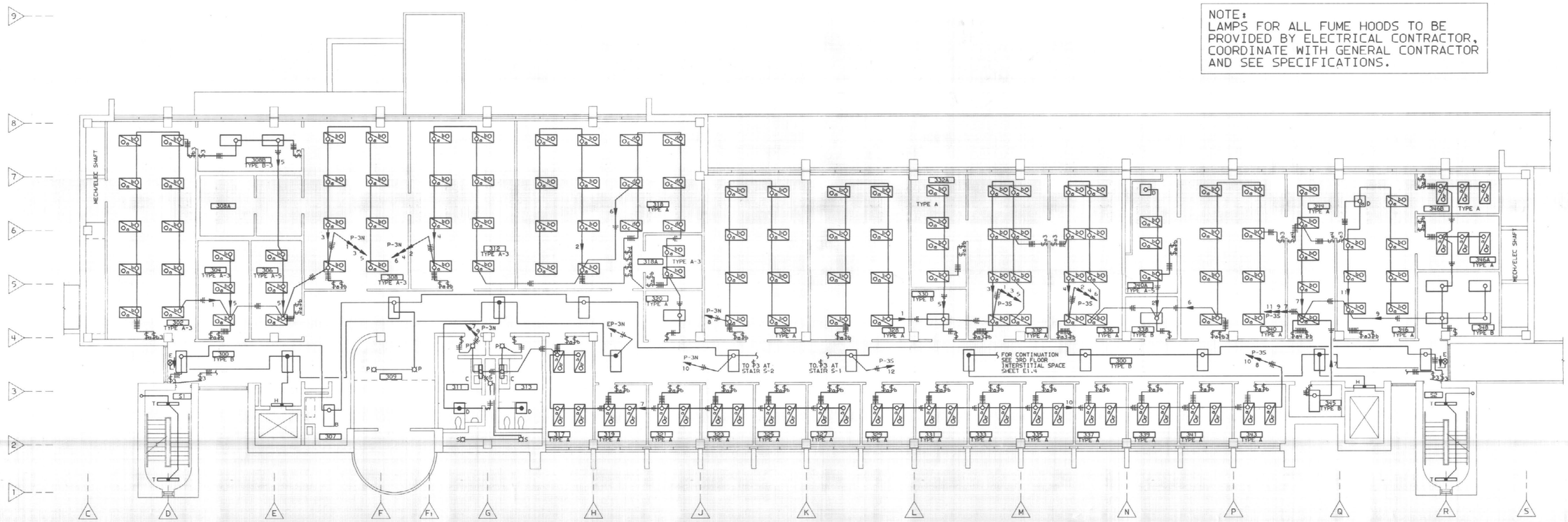
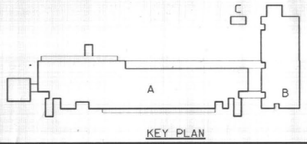


FOURTH LEVEL FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
LAMPS FOR ALL FUME HOODS TO BE PROVIDED BY ELECTRICAL CONTRACTOR, COORDINATE WITH GENERAL CONTRACTOR AND SEE SPECIFICATIONS.



THIRD LEVEL FLOOR PLAN
SCALE: 1/8"=1'-0"



KEY PLAN

RECORD DRAWING JUNE, 1988

THIRD AND FOURTH FLOOR LIGHTING

E1.3

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 McDOWELL BUILDING
509 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

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800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
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STATE OF KENTUCKY
WARWICK C. HALE, JR.
7375
REGISTERED PROFESSIONAL ENGINEER

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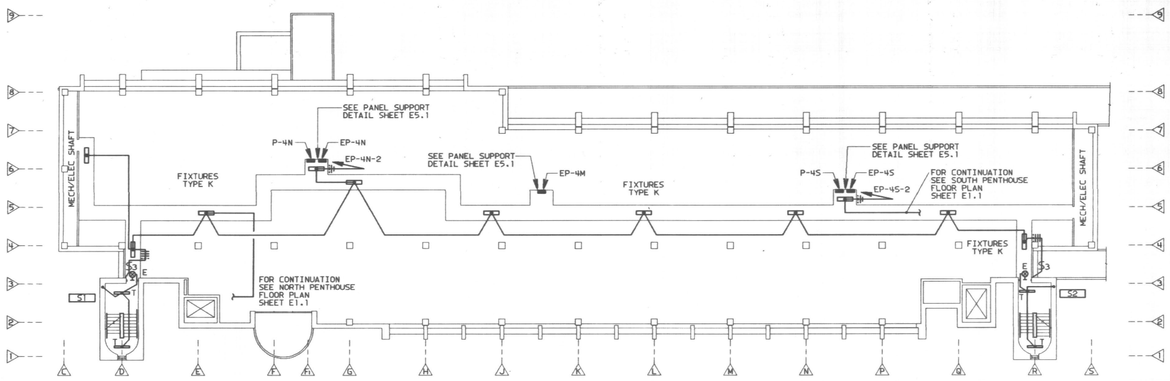
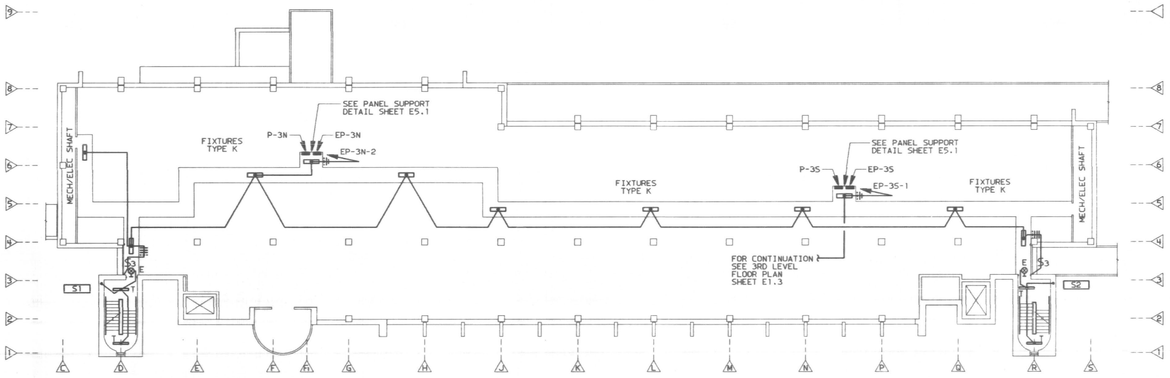
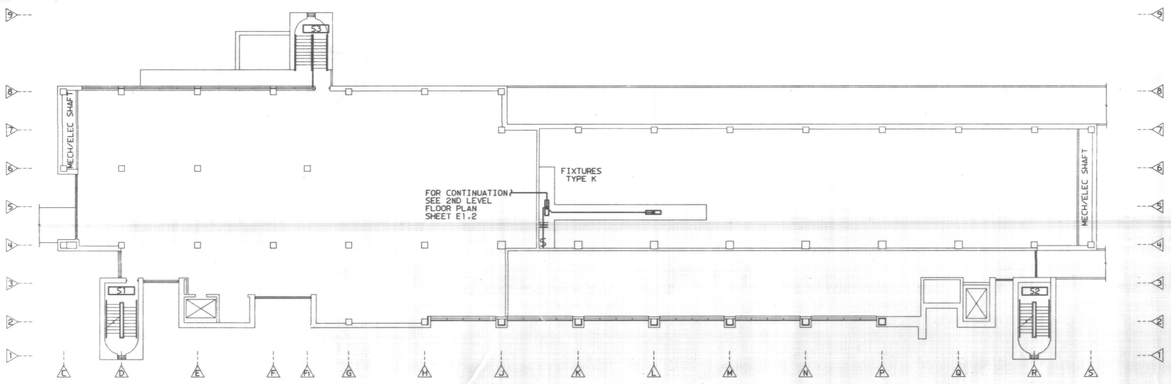


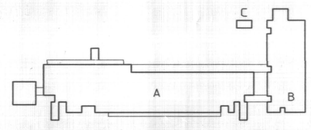
FOURTH LEVEL INTERSTITIAL SPACE PLAN
SCALE:1/16"=1'-0"



THIRD LEVEL INTERSTITIAL SPACE PLAN
SCALE:1/16"=1'-0"



SECOND LEVEL INTERSTITIAL SPACE PLAN
SCALE:1/16"=1'-0"



KEY PLAN

RECORD DRAWING JUNE, 1988

INTERSTITIAL SPACES LIGHTING

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
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MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
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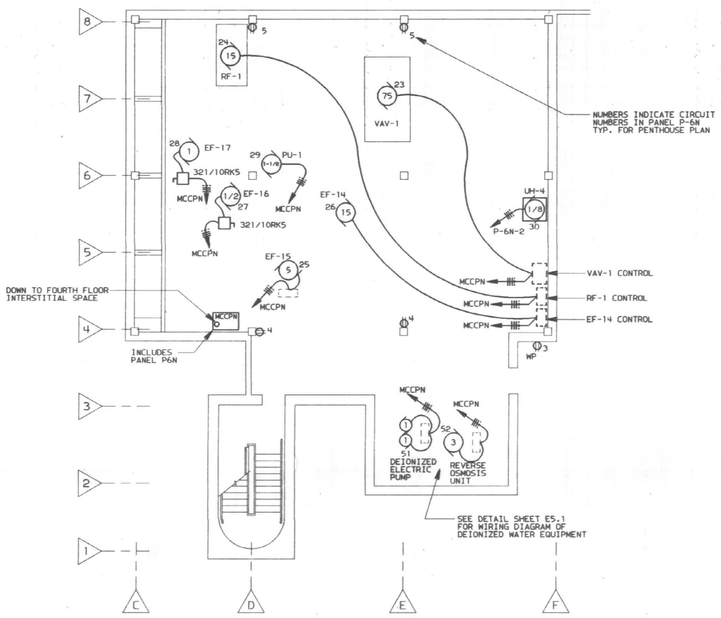
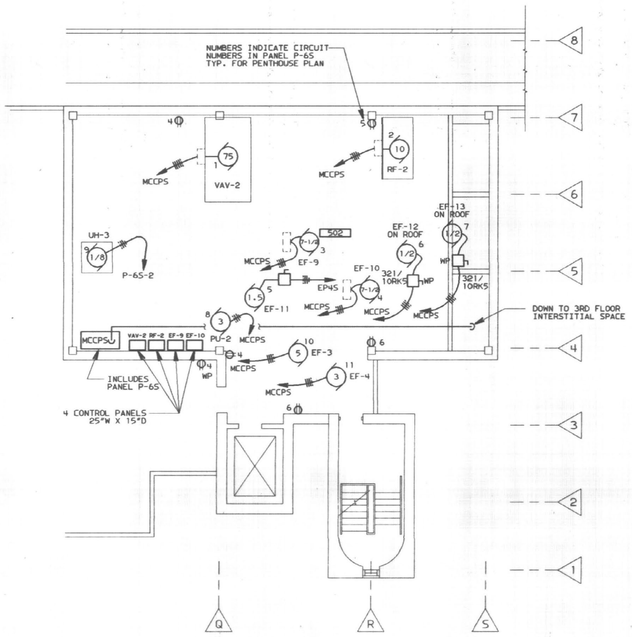
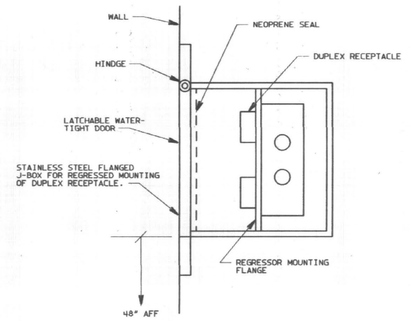


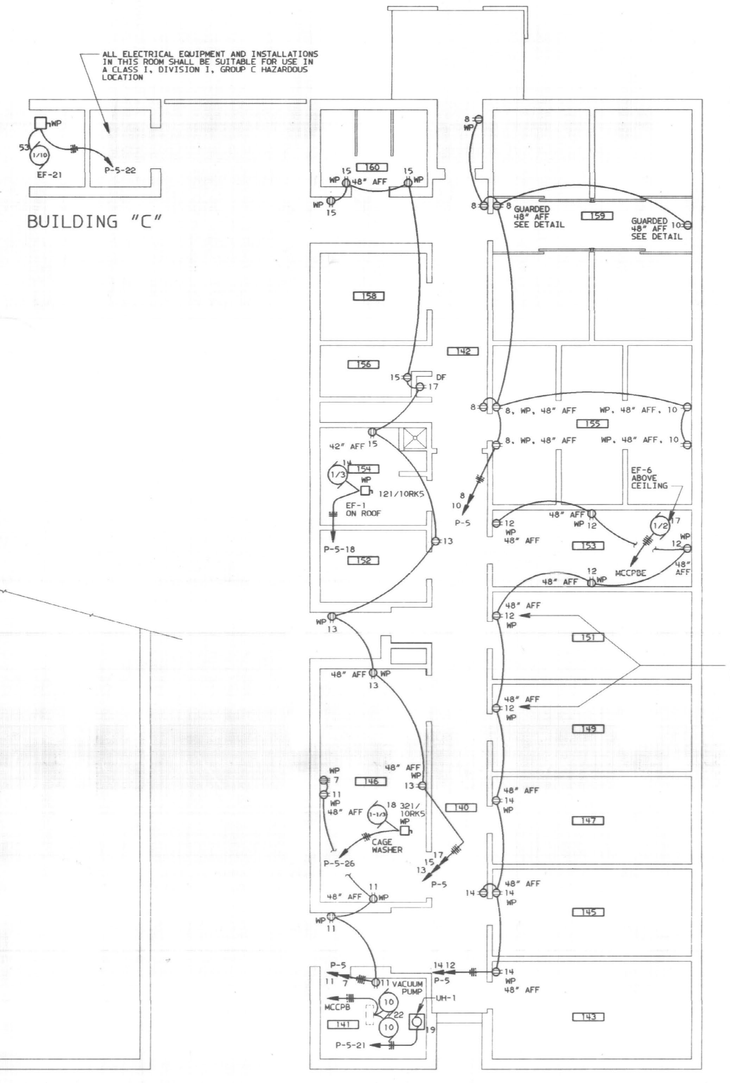
PENTHOUSE FLOOR PLAN - NORTH
SCALE: 1/8" = 1'-0"



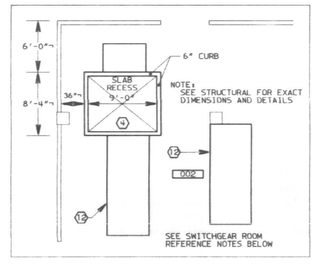
PENTHOUSE FLOOR PLAN - SOUTH
SCALE: 1/8" = 1'-0"



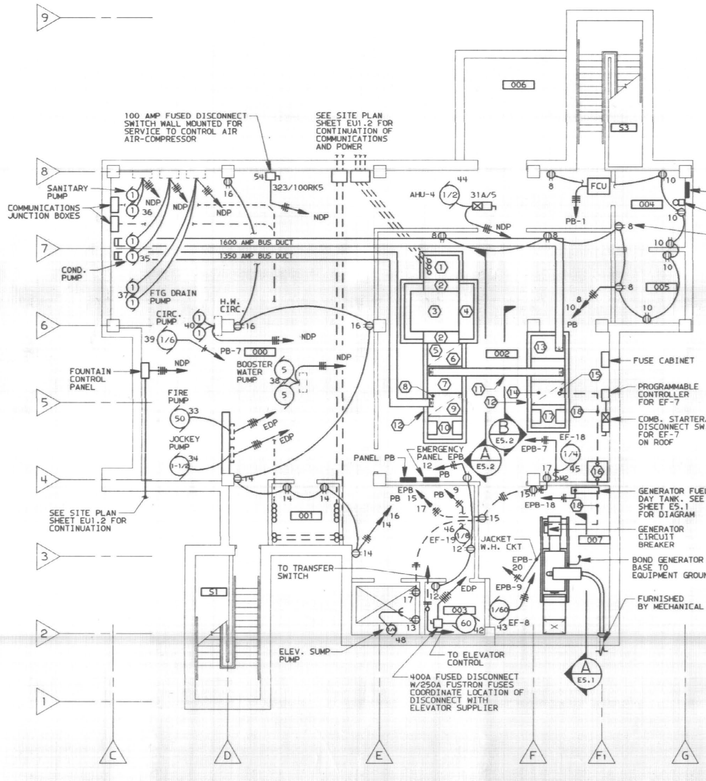
GUARDED RECEPTACLE DETAIL
NO SCALE



FIRST LEVEL FLOOR PLAN - BUILDING "B"
SCALE: 1/8"=1'-0"



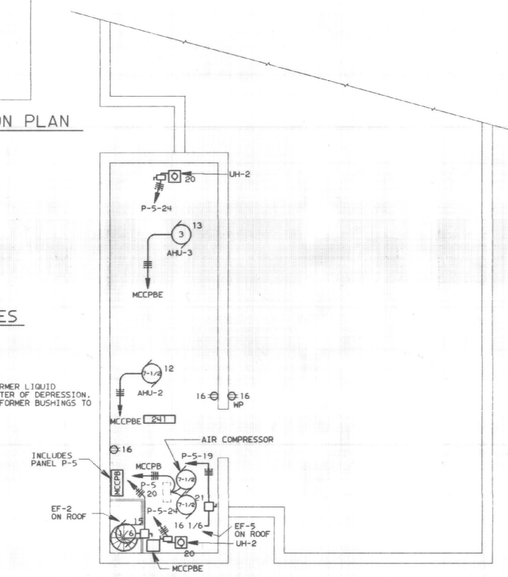
TRANSFORMER FLOOR DEPRESSION PLAN
SCALE: 1/8" = 1'-0"



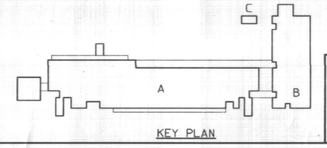
BASEMENT FLOOR PLAN
SCALE:1/8"=1'-0"

SWITCHGEAR ROOM REFERENCE NOTES

1. INCOMING/15 KV SWITCH/METERS
2. TRANSITION
3. 1500 KVA TRANSFORMER 12470/120/208V
4. 7'-4" W X 9'-0" L X 6" DEEP FLOOR DEPRESSION FOR TRANSFORMER LIQUID COLLECTION. PROVIDE 6" HIGH CONCRETE CURB AROUND PERIMETER OF DEPRESSION. PROVIDE BASE UNDER TRANSFORMER +-12" HIGH TO ALLOW TRANSFORMER BUSHINGS TO LINE UP WITH SWITCHGEAR CENTERLINE.
5. METERS
6. 1000A FIRE PUMP SWITCH
7. 4000A MAIN
8. 1200A BUS DUCT SWITCH
9. 1200A NDP SWITCH
10. NDP - TWO SECTION PANEL SEE SHEET E5.2
11. 4000A BUS DUCT, 3Ø/4W/50% GROUND - COPPER
12. 6" HIGH CONCRETE PAD 6" LARGER THAN EQUIPMENT
13. 1600A BUS DUCT SWITCH
14. 1000A SPACE
15. 1000A EMERGENCY SWITCH
16. 1000A AUTOMATIC TRANSFER SWITCH
17. EDP - TWO SECTION PANEL SEE SHEET E5.2
18. 3 3-1/2" CONDUITS EACH W/4-#500 MCM



SECOND LEVEL FLOOR PLAN - BUILDING "B"
SCALE:1/8"=1'-0"



KEY PLAN

RECORD DRAWING JUNE.1988

BASEMENT, PENTHOUSE AND ANIMAL QUARTERS POWER

SHEET NUMBER: E2..

8412.01/CD/E2.1/5-28-85

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

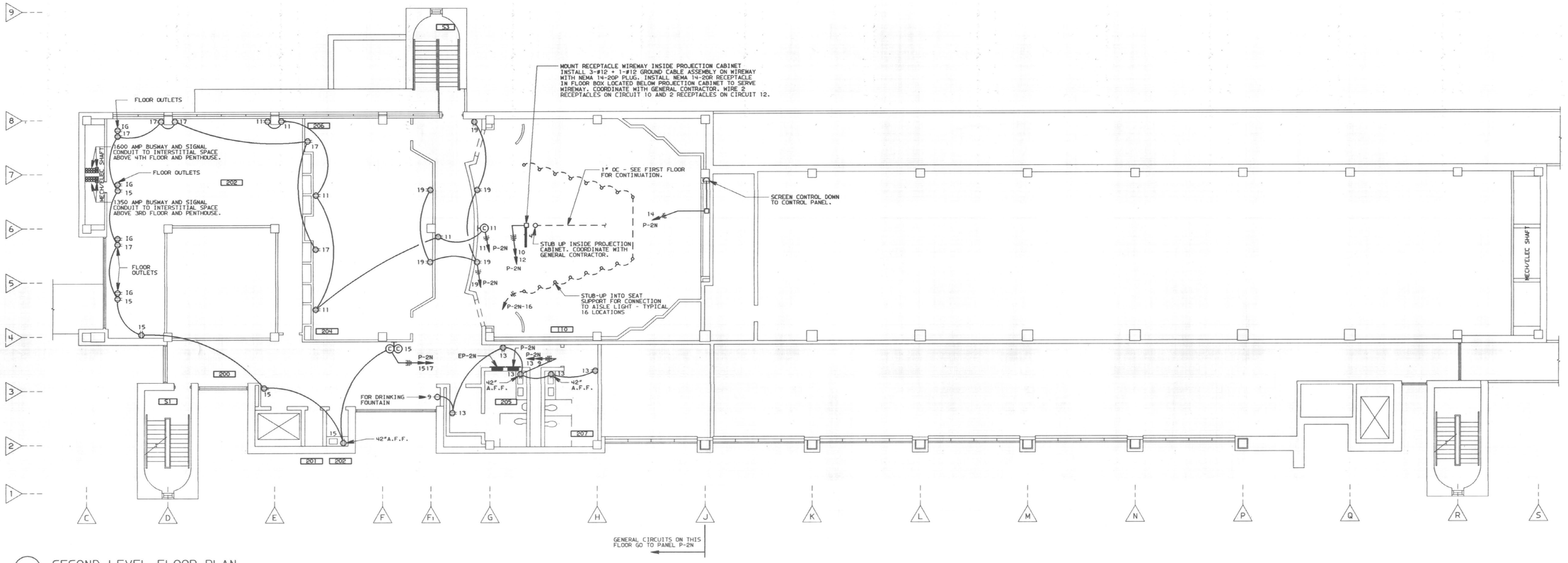
COMMONWEALTH OF KENTUCKY
MARWICK C. HALE, JR.
7375
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

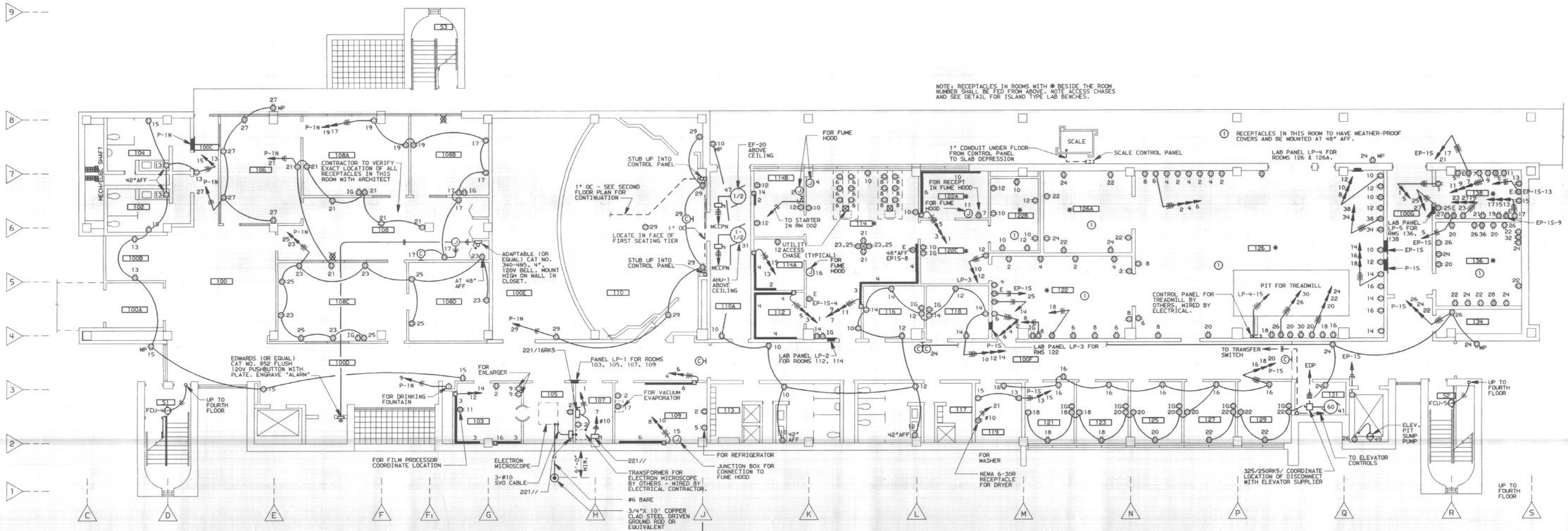
APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER: 8421
ITEMS ON SHEET:
DRAWN BY: RDG JEK
CHECKED BY: WCH
DATE: 05-28-85
REVISIONS:



SECOND LEVEL FLOOR PLAN
SCALE: 1/8"=1'-0"



FIRST LEVEL FLOOR PLAN
SCALE: 1/8"=1'-0"

KEY PLAN

RECORD DRAWING JUNE, 1988

FIRST AND SECOND FLOOR POWER

SHEET NUMBER E2.2

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

DRAWN BY RDG JEK

CHECKED BY MCH

DATE 05-28-85

REVISIONS

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION UNIVERSITY OF KENTUCKY
DATE:

UNIVERSITY PROJECT NUMBER 230.1

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

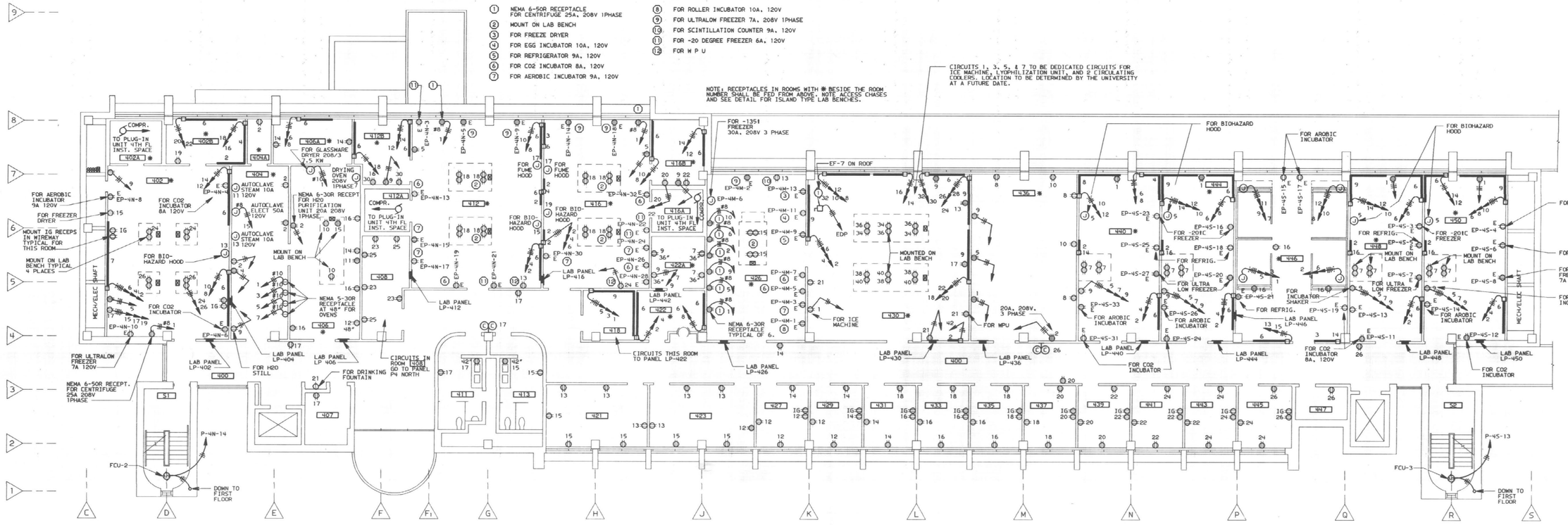
STATE OF KENTUCKY WARWICK C. HALE, JR. 7375 REGISTERED PROFESSIONAL ENGINEER

8421.01/CO/E2.2/5-28-85

1. NEMA 6-50R RECEPTACLE FOR CENTRIFUGE 25A, 208V 1PHASE
2. MOUNT ON LAB BENCH
3. FOR FREEZE DRYER
4. FOR EGG INCUBATOR 10A, 120V
5. FOR REFRIGERATOR 9A, 120V
6. FOR CO2 INCUBATOR 8A, 120V
7. FOR AEROBIC INCUBATOR 9A, 120V
8. FOR ROLLER INCUBATOR 10A, 120V
9. FOR ULTRALOW FREEZER 7A, 208V 1PHASE
10. FOR SCINTILLATION COUNTER 9A, 120V
11. FOR -20 DEGREE FREEZER 6A, 120V
12. FOR M P U

NOTE; RECEPTACLES IN ROOMS WITH ✱ BESIDE THE ROOM NUMBER SHALL BE FED FROM ABOVE. NOTE ACCESS CHASES AND SEE DETAIL FOR ISLAND TYPE LAB BENCHES.

CIRCUITS 1, 3, 5, & 7 TO BE DEDICATED CIRCUITS FOR ICE MACHINE, LYOPHILIZATION UNIT, AND 2 CIRCULATING COOLERS. LOCATION TO BE DETERMINED BY THE UNIVERSITY AT A FUTURE DATE.

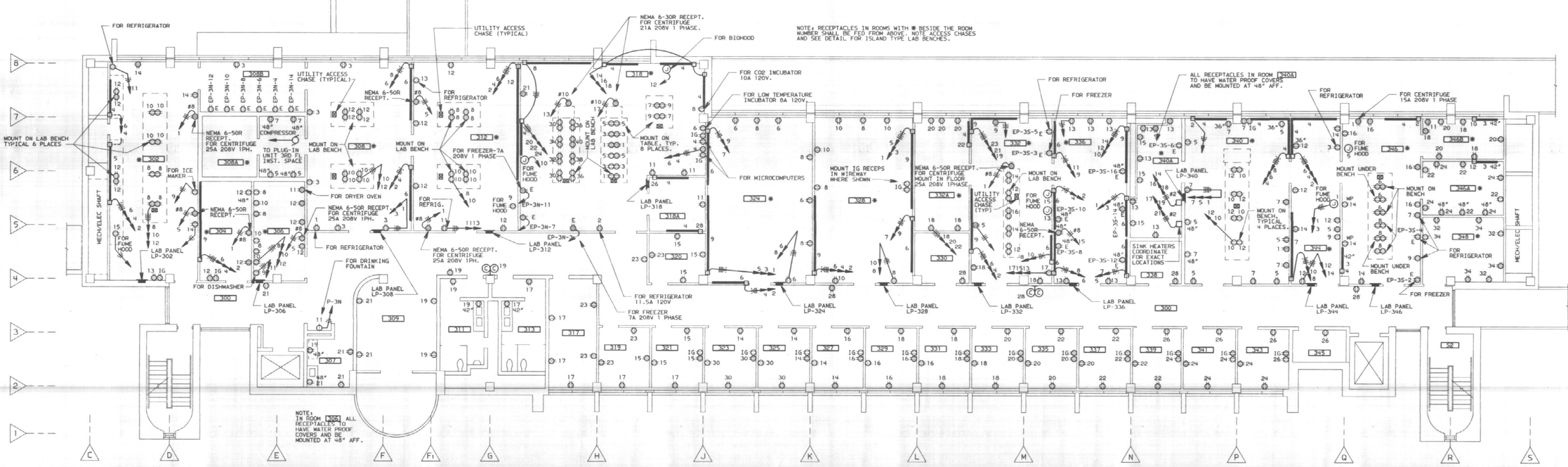


FOURTH LEVEL FLOOR PLAN
SCALE: 1/8"=1'-0"

GENERAL CIRCUITS ON THIS SIDE OF COLUMN J GO TO PANEL P-4 NORTH.
GENERAL CIRCUITS ON THIS SIDE OF COLUMN J GO TO PANEL P-4 SOUTH.
EMERGENCY CIRCUITS ON THIS SIDE OF COLUMN J GO TO PANEL EP-4 NORTH.
EMERGENCY CIRCUITS ON THIS SIDE OF COLUMN J GO TO PANEL EP-4 SOUTH EXCEPT IN RM 426 WHICH GO TO PANEL EP-4 MIDDLE

DEVICES IN EACH LAB ARE FED FROM THE PANEL DESIGNATED FOR THAT LAB

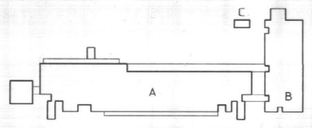
NOTE; RECEPTACLES IN ROOMS WITH ✱ BESIDE THE ROOM NUMBER SHALL BE FED FROM ABOVE. NOTE ACCESS CHASES AND SEE DETAIL FOR ISLAND TYPE LAB BENCHES.



THIRD LEVEL FLOOR PLAN
SCALE: 1/8"=1'-0"

GENERAL CIRCUITS ON THIS SIDE OF COLUMN J GO TO PANEL P-3 NORTH.
GENERAL CIRCUITS ON THIS SIDE OF COLUMN J GO TO PANEL P-3 SOUTH.
EMERGENCY CIRCUITS ON THIS SIDE OF COLUMN J GO TO PANEL EP-3 NORTH.
EMERGENCY CIRCUITS ON THIS SIDE OF COLUMN J GO TO PANEL EP-3 SOUTH.

DEVICES IN EACH LAB ARE FED FROM THE PANEL DESIGNATED FOR THAT LAB



KEY PLAN

RECORD DRAWING JUNE, 1988

THIRD AND FOURTH FLOOR POWER

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERING

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERING

COMMONWEALTH OF KENTUCKY WARWICK C. HALE, JR. 7375 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

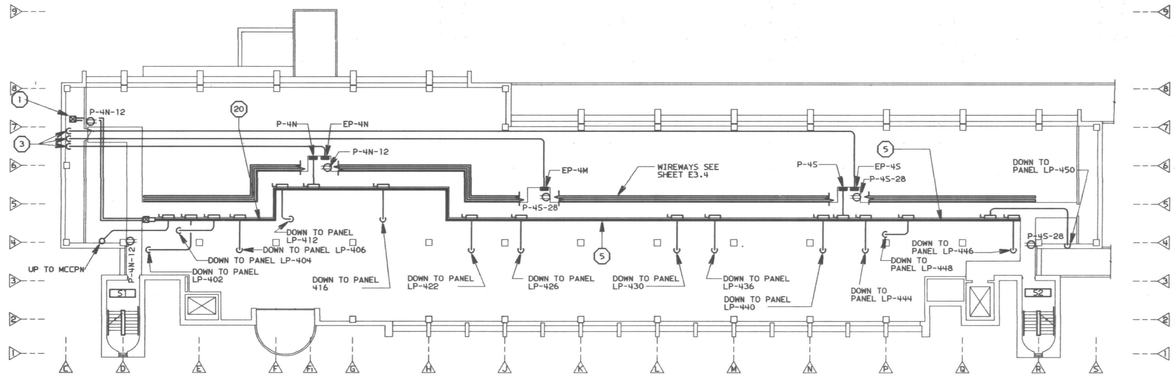
APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421
ITEMS ON SHEET
DRAWN BY RDG JEK
CHECKED BY WCH
DATE 05-28-85
REVISIONS

SHEET NUMBER E2.3

8421.01/CD/E2.3/5.28.85



FOURTH LEVEL INTERSTITIAL SPACE PLAN
SCALE: 1/16"=1'-0"

NOTES:

1) SEE FOURTH LEVEL FLOOR PLAN FOR EXACT LOCATION OF LP PANELS.
2) MOUNT PLUG-IN BUSWAY SO THAT IT IS ACCESSIBLE FROM CATWALK. SEE DETAIL SHEET E5.1

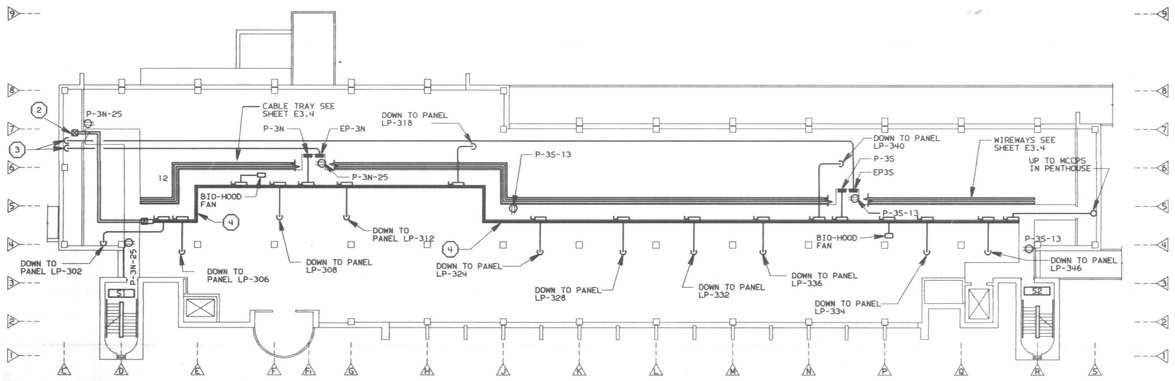
NOTES:

(1) 1600 AMP - 3 POLE - 4 WIRE + GROUND, 600 VOLT FEEDER BUSWAY DOWN TO DISTRIBUTION SWITCHGEAR IN BASEMENT.
(2) 1200 AMP - 3 POLE - 4 WIRE + GROUND, 600 VOLT FEEDER BUSWAY DOWN TO DISTRIBUTION SWITCHGEAR IN BASEMENT.
(3) DOWN TO EMERGENCY DISTRIBUTION (EDP) PANEL IN BASEMENT.
(4) 1200 AMP - 3 POLE - 4 WIRE + GROUND, PLUG-IN BUSWAY.
(5) 1600 AMP , 3 POLE, 4 WIRE + GROUND, PLUG-IN BUSWAY.

NOTES:

1. SEE DETAILS ON SHEET E5.1 FOR MOUNTING OF BUSWAY AND WIREWAYS. (TYPICAL)
2. COORDINATE BUSWAY AND CONDUIT LOCATIONS IN NORTH AND SOUTH CHASES AND IN INTERSTITIAL SPACES WITH MECHANICAL CONTRACTOR.

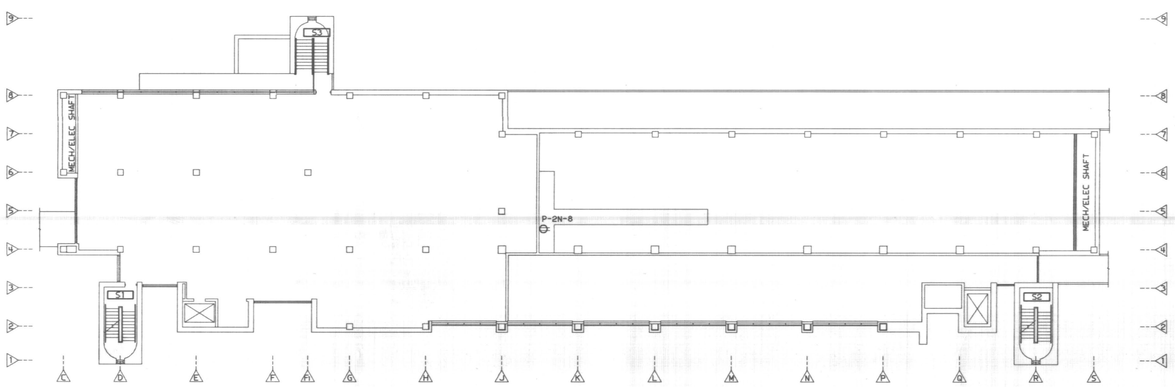
12



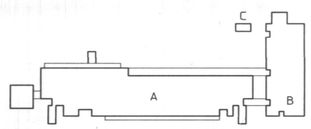
THIRD LEVEL INTERSTITIAL SPACE PLAN
SCALE: 1/16"=1'-0"

NOTES:

1) SEE THIRD LEVEL FLOOR PLAN FOR EXACT LOCATION OF LP PANELS.
2) MOUNT PLUG-IN BUSWAY SO THAT IT IS ACCESSIBLE FROM CATWALK. SEE DETAIL SHEET E5.1.
3) SEE ONE-LINE DIAGRAM FOR SIZES OF BUS PLUG-IN UNITS, FUSES, WIRE AND CONDUIT. (SHEET E4.1)



SECOND LEVEL INTERSTITIAL SPACE PLAN
SCALE: 1/16"=1'-0"



KEY PLAN

RECORD DRAWING JUNE, 1988

INTERSTITIAL SPACES
POWER

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
400 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

HARWICK C. HALE, JR. 7375 REGISTERED PROFESSIONAL ENGINEER STATE OF KENTUCKY

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION
UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
RDG JEK

CHECKED BY
MCH

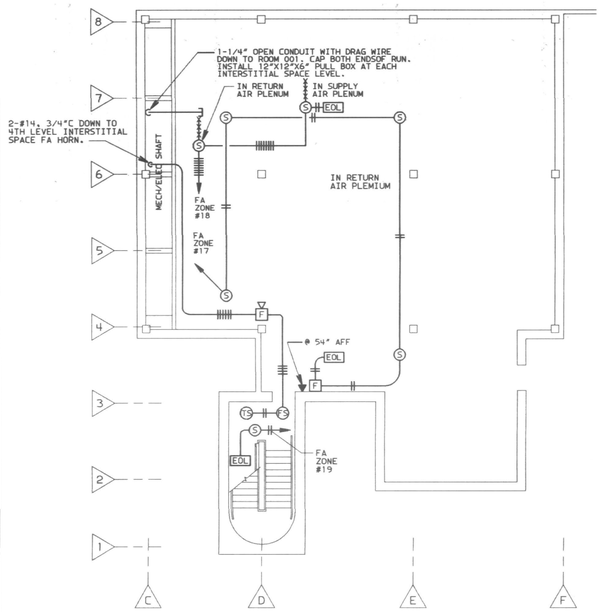
DATE
05-28-85

REVISIONS

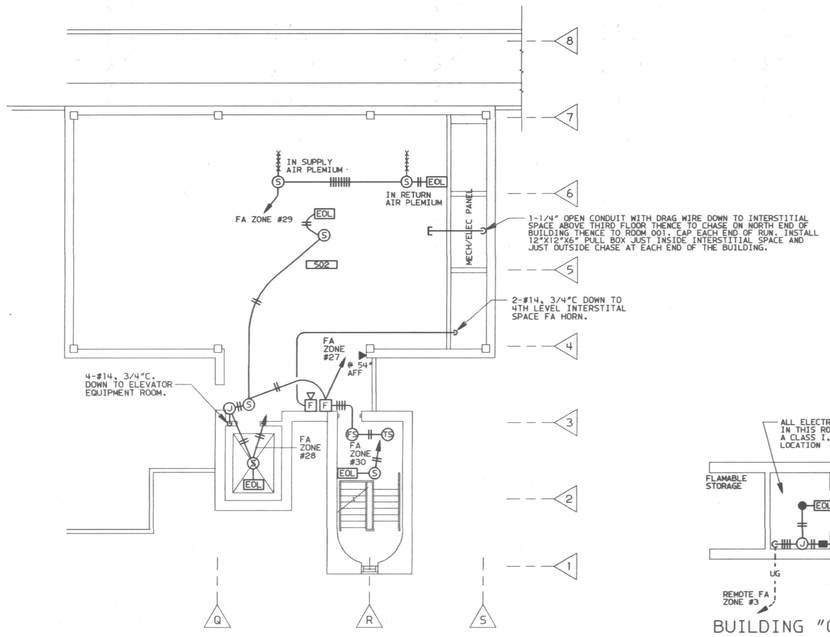
SHEET NUMBER
E2.1

Cab. # Slot Document # 91979
107 A-3

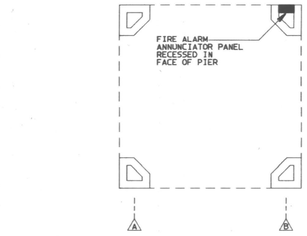
8421.01 / CD / E2.1 / 5.28.85



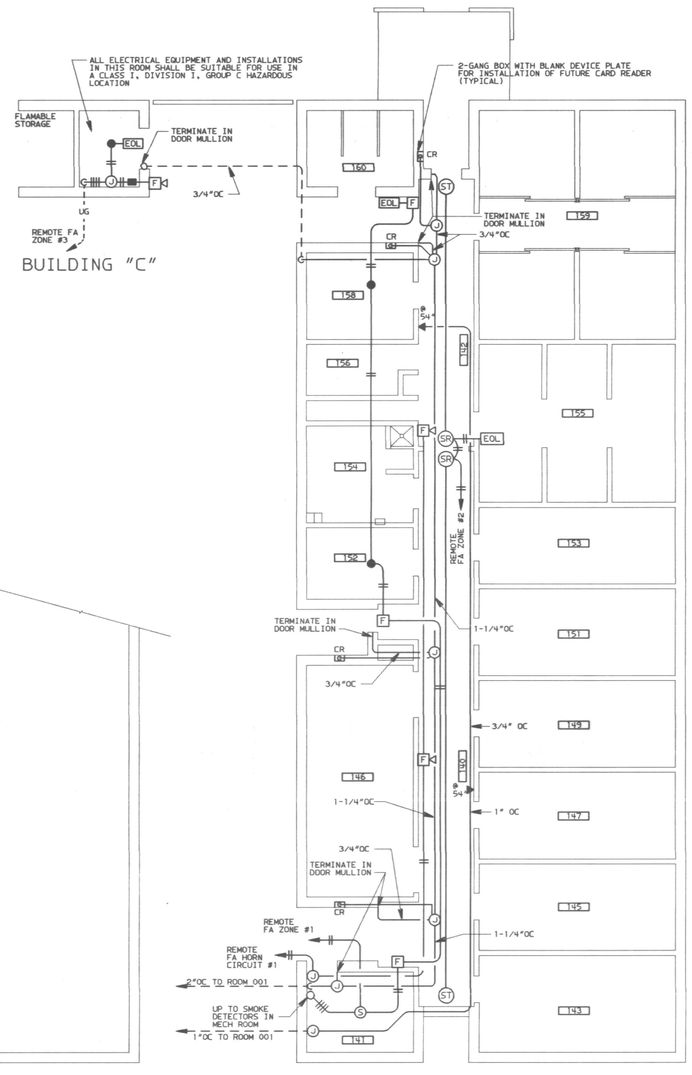
PENTHOUSE FLOOR PLAN - NORTH
SCALE: 1/8" = 1'-0"

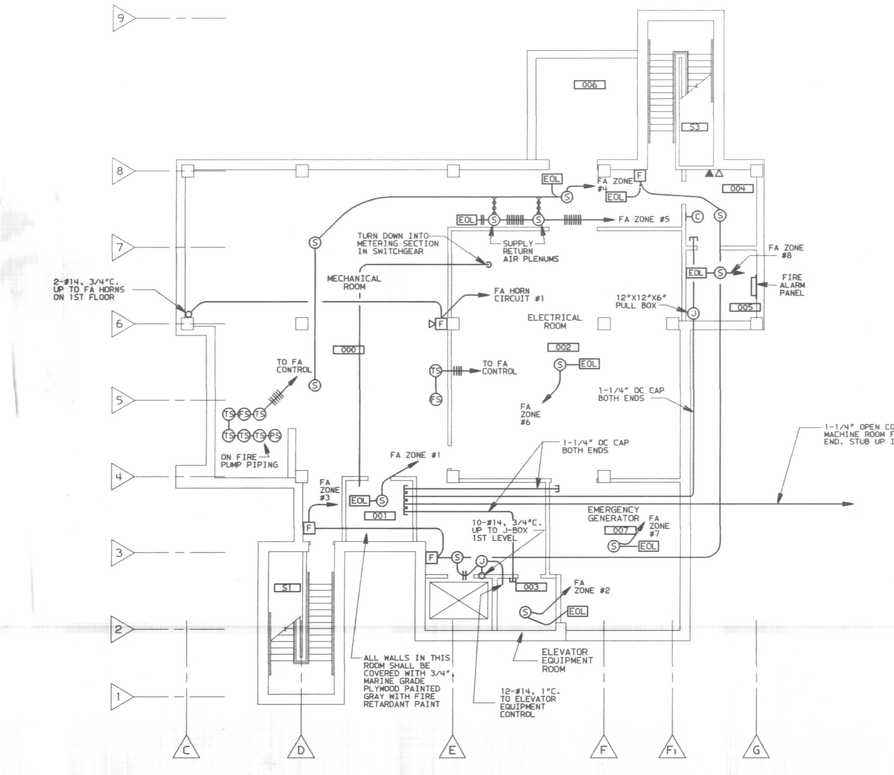


PENTHOUSE FLOOR PLAN - SOUTH
SCALE: 1/8" = 1'-0"

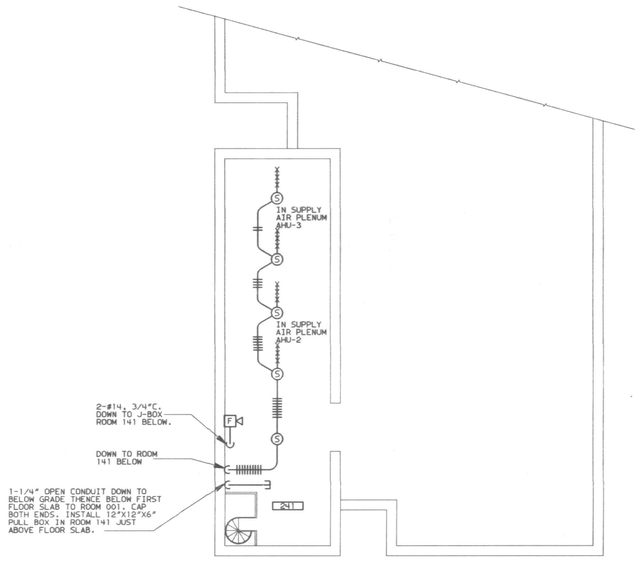


EXTERIOR ENTRANCE PLAN
NO SCALE





BASEMENT FLOOR PLAN
SCALE: 1/8"=1'-0"



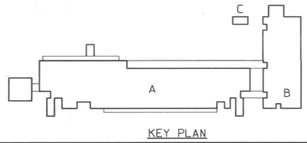
SECOND LEVEL FLOOR PLAN - BUILDING "B"
SCALE: 1/8"=1'-0"

FIRST LEVEL FLOOR PLAN - BUILDING "B"
SCALE: 1/8"=1'-0"

SMOKE DETECTORS IN CORRIDORS OF THIS BUILDING SHALL BE LINEAR BEAM TYPE.

ST TRANSMITTER

SR RECIEVER



KEY PLAN

RECORD DRAWING JUNE, 1988

BASEMENT, PENTHOUSE AND ANIMAL QUARTERS SIGNAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
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LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
WARWICK C. HALE, JR.
7375
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
RDG JEK

CHECKED BY
WCH

DATE
05-28-85

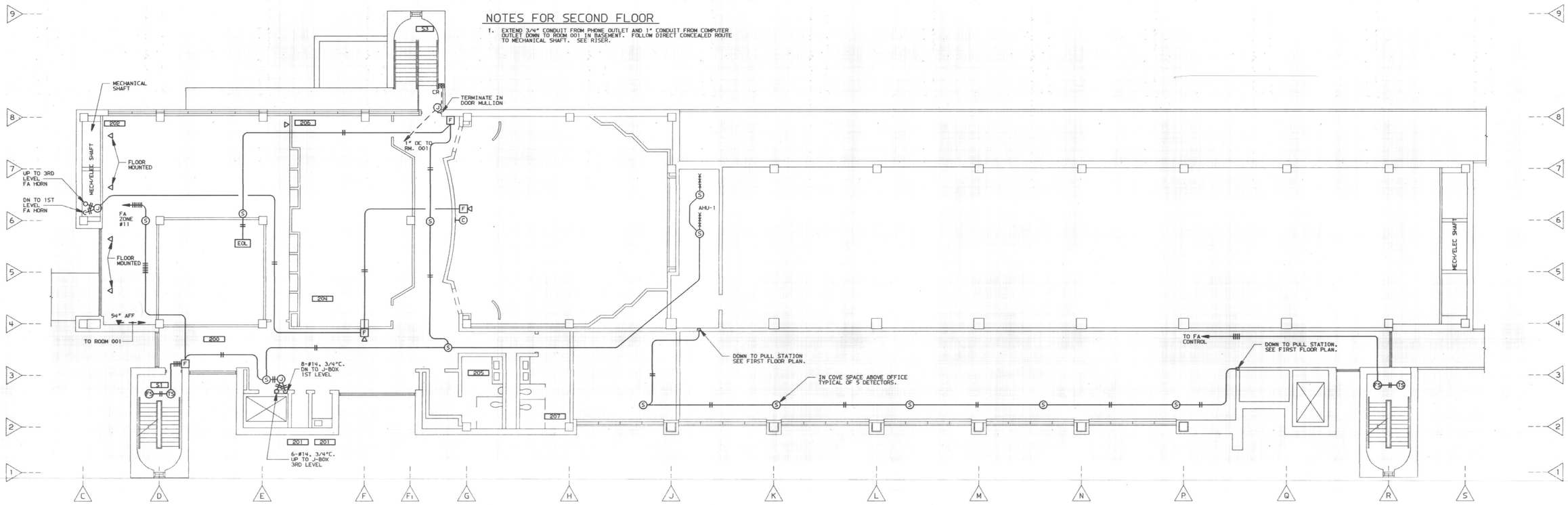
REVISIONS

SHEET NUMBER
E3.1

8412.01/CD/E3.1/5.28.85

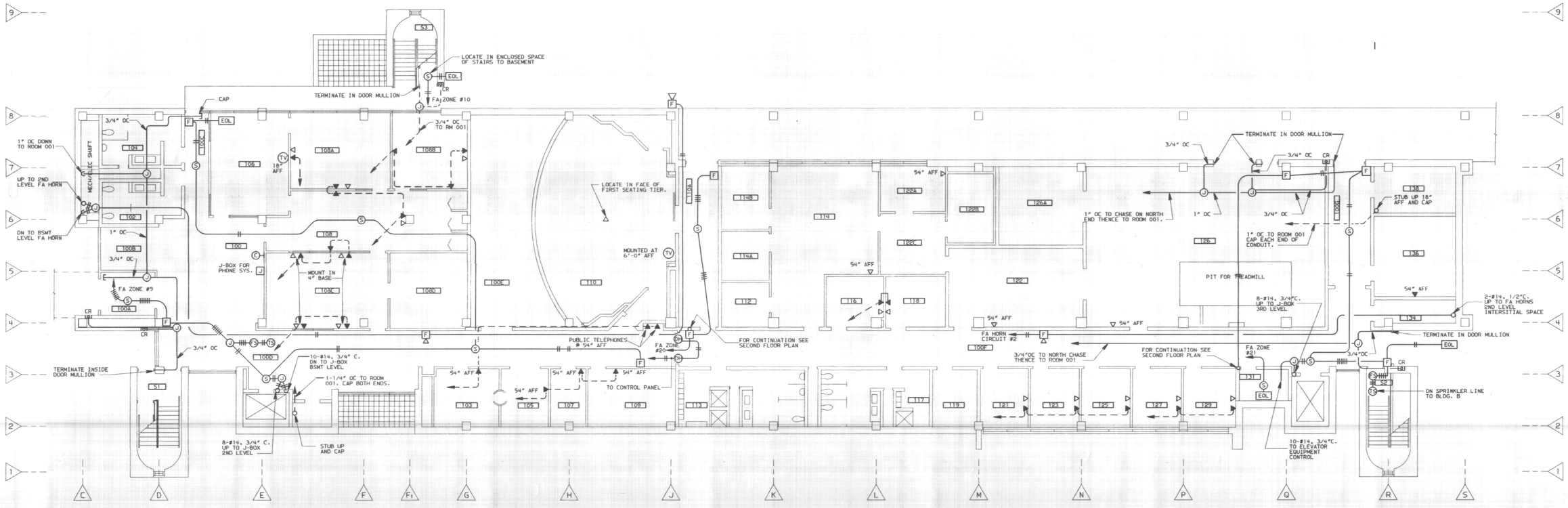
NOTES FOR SECOND FLOOR

1. EXTEND 3/4" CONDUIT FROM PHONE OUTLET AND 1" CONDUIT FROM COMPUTER OUTLET DOWN TO ROOM 001 IN BASEMENT. FOLLOW DIRECT CONCEALED ROUTE TO MECHANICAL SHAFT. SEE RISER.



SECOND LEVEL FLOOR PLAN

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



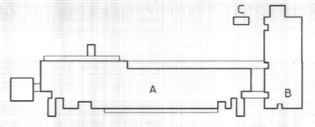
NOTES FOR FIRST FLOOR

1. FROM COMPUTER OUTLETS EXTEND 1" CONDUIT DOWN THRU FLOOR AND TO ROOM 001 IN BASEMENT.
2. OPEN CONDUIT TO RELEPHONE OUTLETS ROUTING AS SHOWN. SEE RISER FOR SIZES.
3. FROM TV OUTLETS EXTEND 1" CONDUIT DOWN THRU FLOOR AND TO ROOM 001 IN BASEMENT.
4. IDENTIFY AND LABEL EACH SIGNAL CONDUIT RUNNING INTO ROOM 001 AS TO USE (TV, PHONE, COMPUTER) AND TO WHICH ROOM IT RUNS.

FIRST LEVEL FLOOR PLAN

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

KEY PLAN



RECORD DRAWING JUNE, 1988

FIRST AND SECOND FLOOR SIGNAL

SHEET NUMBER E3.2

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDONELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
861 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

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MECHANICAL AND ELECTRICAL ENGINEERS

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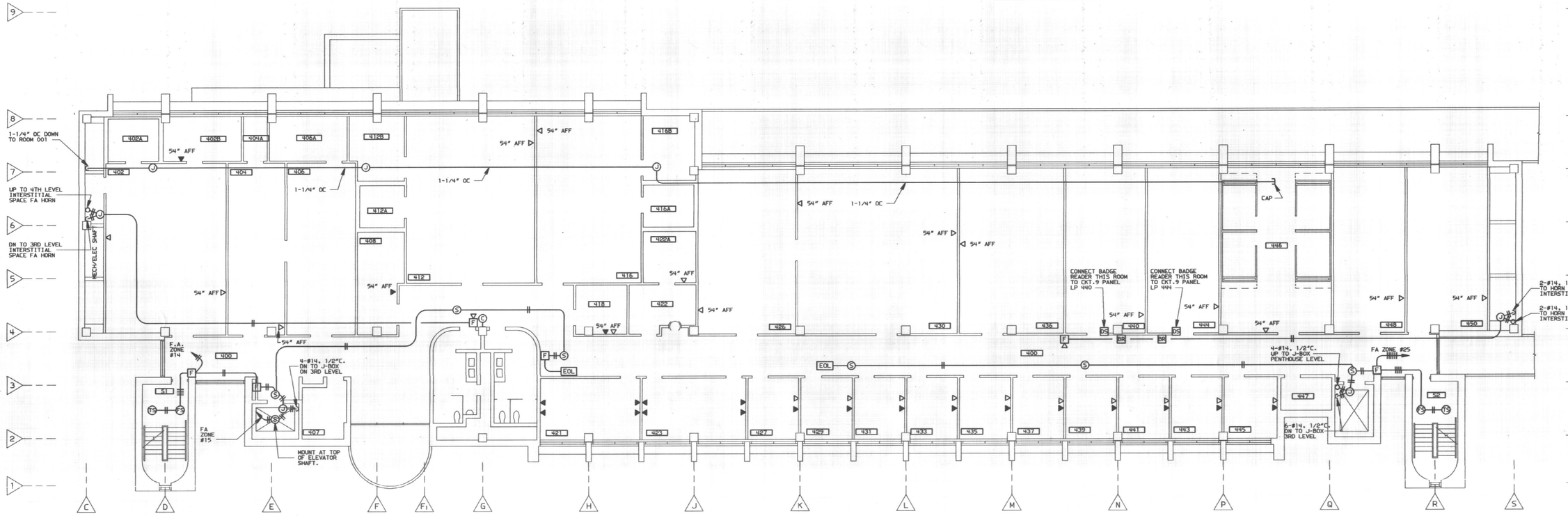
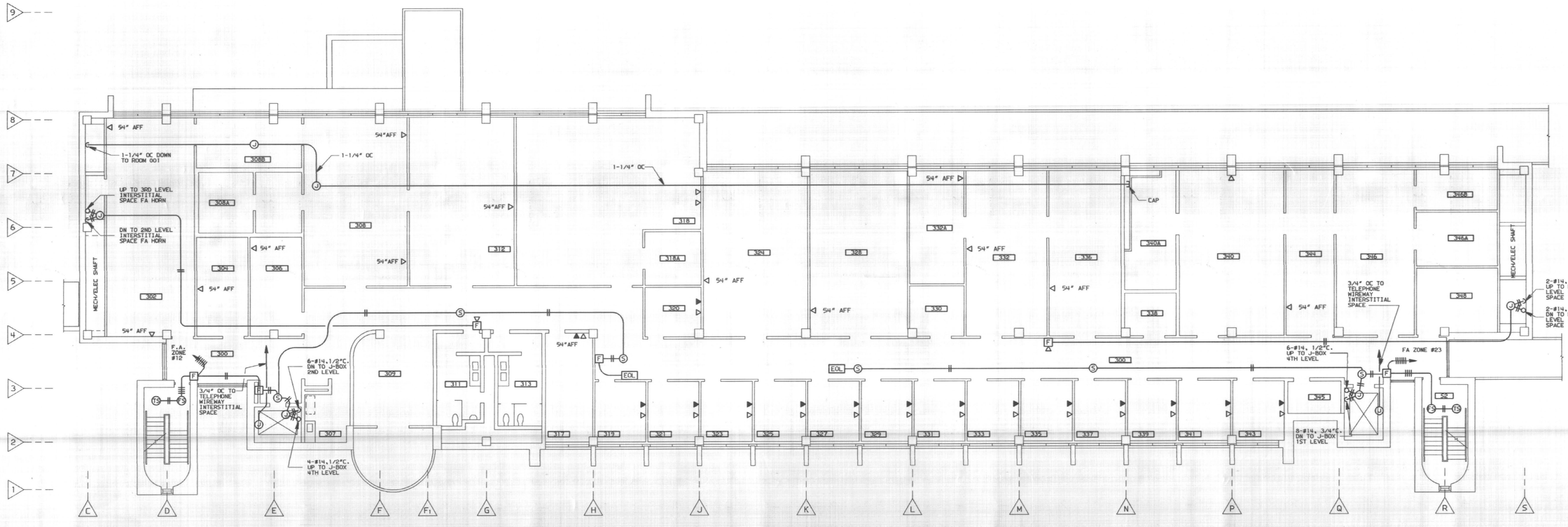


FOURTH LEVEL FLOOR PLAN -SIGNAL
SCALE:1/8"=1'-0"

NOTES:

1. EXTEND 3/4" CONDUIT FROM PHONE OUTLET AND 1" CONDUIT FROM COMPUTER OUTLET TO RESPECTIVE WIREWAY IN INTERSTITIAL SPACE ABOVE EACH FLOOR.



THIRD LEVEL FLOOR PLAN -SIGNAL
SCALE:1/8"=1'-0"

KEY PLAN

RECORD DRAWING JUNE, 1988

THIRD AND FOURTH FLOOR SIGNAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
804 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY WARWICK C. HALE, JR. 7375 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

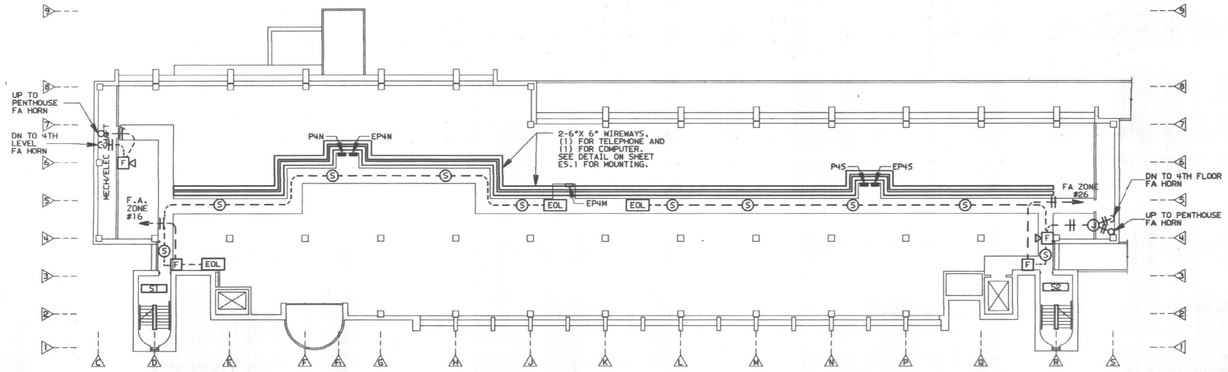
APPROVED BY:
DIRECTOR, PHYSICAL PLANT DIVISION
UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

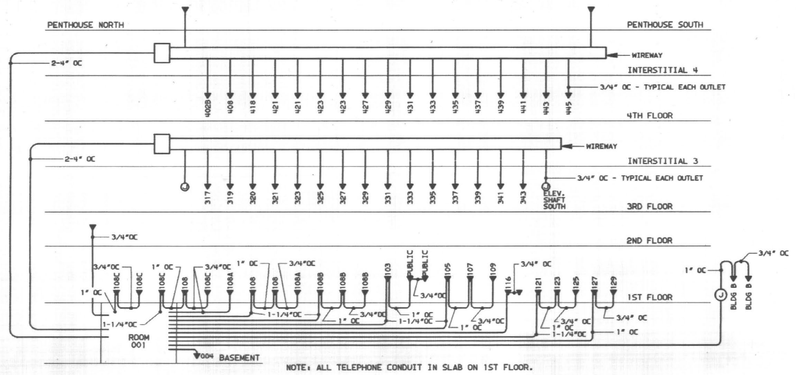
PROJECT NUMBER 8421
ITEMS ON SHEET
DRAWN BY RDG JEK
CHECKED BY WCH
DATE 05-28-85
REVISIONS

SHEET NUMBER E3.3

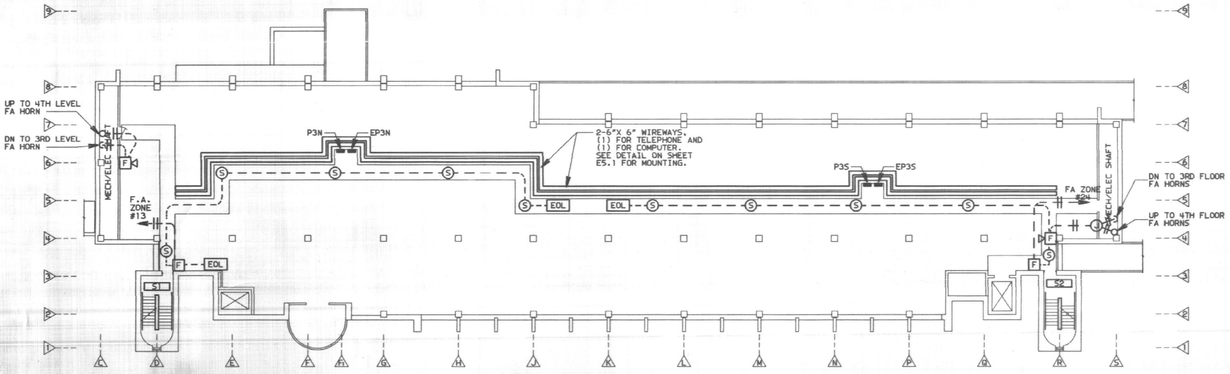
8421.01/BD/E3.3/5.28.85



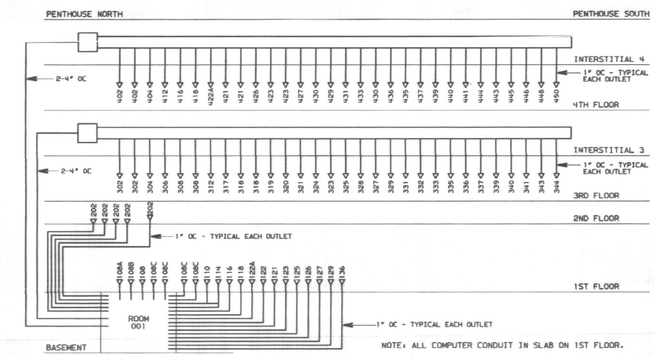
FOURTH LEVEL INTERSTITIAL SPACE PLAN
SCALE:1/16"=1'-0"



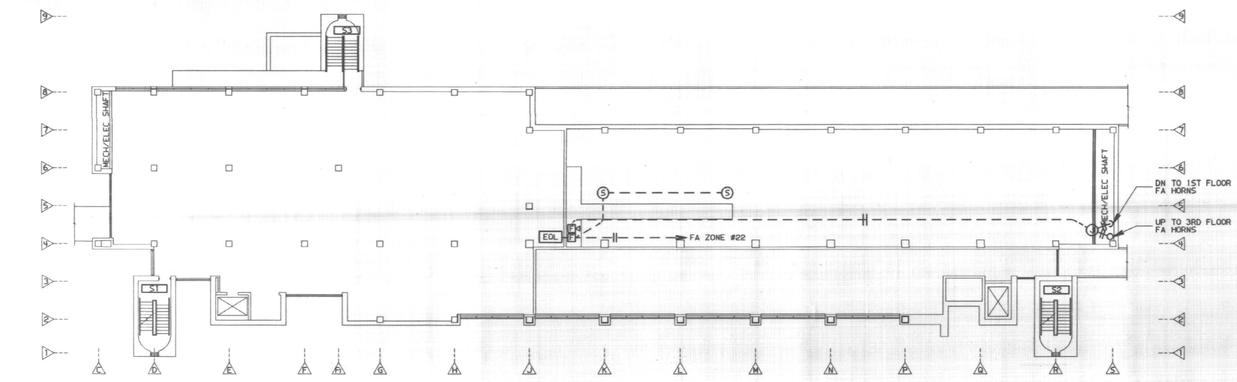
TELEPHONE SYSTEM DISTRIBUTION RISER
NO SCALE



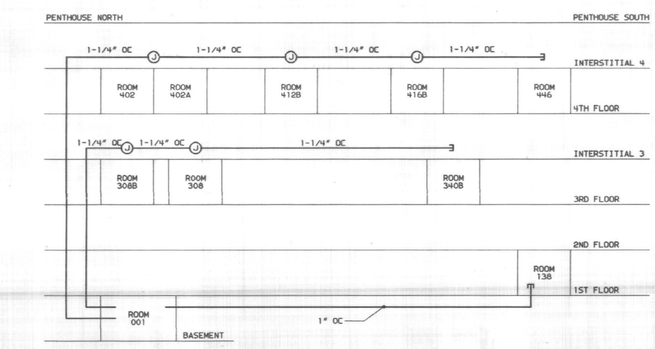
THIRD LEVEL INTERSTITIAL SPACE PLAN
SCALE:1/16"=1'-0"



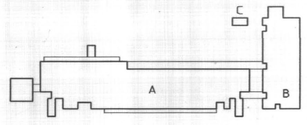
COMPUTER SYSTEM DISTRIBUTION RISER
NO SCALE



SECOND LEVEL INTERSTITIAL SPACE PLAN
SCALE:1/16"=1'-0"



FREEZER ALARM CONDUIT DISTRIBUTION RISER
NO SCALE



KEY PLAN

RECORD DRAWING JUNE, 1988

INTERSTITIAL SPACE SIGNAL

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY
MARWICK C. HALE, JR.
7375
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION
UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

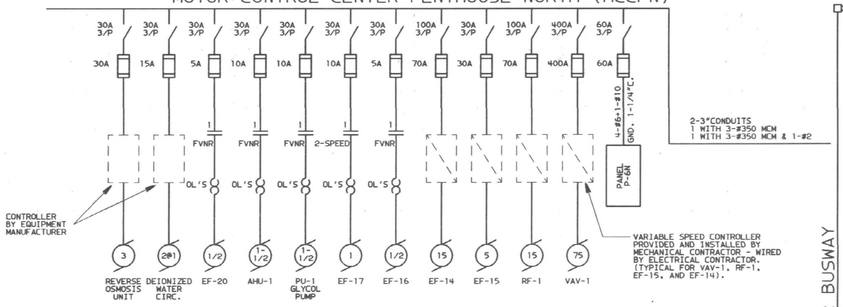
PROJECT NUMBER
8421
ITEMS ON SHEET

DRAWN BY
RDG JEK
CHECKED BY
WCH
DATE
05-28-85
REVISIONS

SHEET NUMBER
E3.4

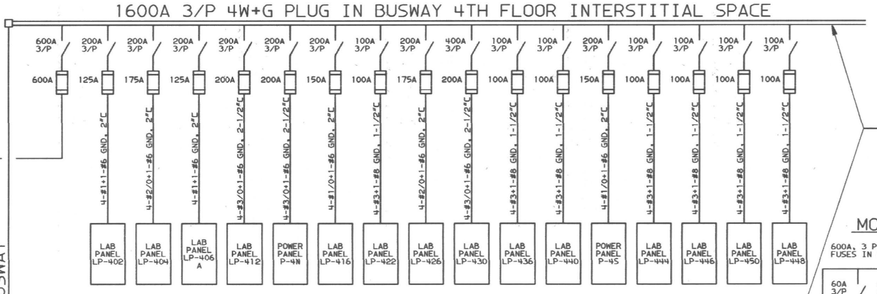
8412.01/CD/E3.4/5-28-85

MOTOR CONTROL CENTER PENTHOUSE NORTH (MCCPN)



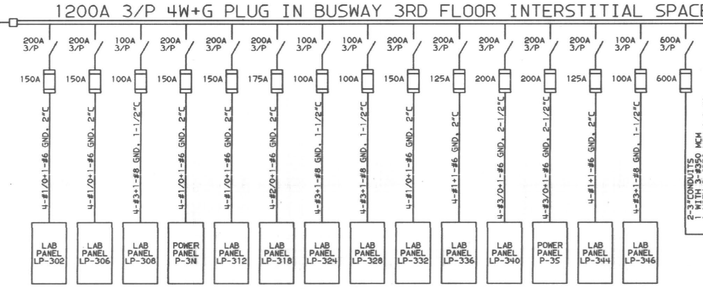
2-3"CONDUITS 1 WITH 3-#350 MCM 1 WITH 3-#350 MCM & 1-#2

1600A 3/P 4W+G PLUG IN BUSWAY 4TH FLOOR INTERSTITIAL SPACE



FUSES IN ALL BUSWAY PLUG-IN UNITS SHALL BE BUSSMAN, LOW-PEAK, DUAL ELEMENT, LPN-RK.

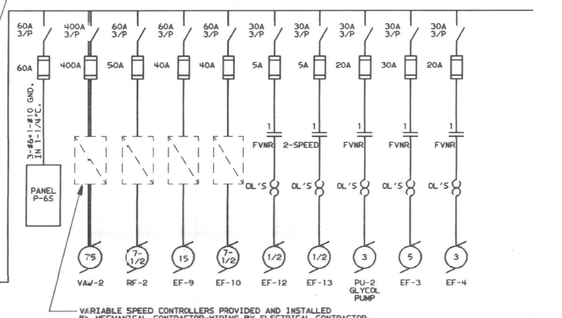
1200A 3/P 4W+G PLUG IN BUSWAY 3RD FLOOR INTERSTITIAL SPACE



2-3"CONDUITS 1 WITH 3-#350 MCM & 1-#2

MOTOR CONTROL CENTER PENTHOUSE SOUTH (MCCPS)

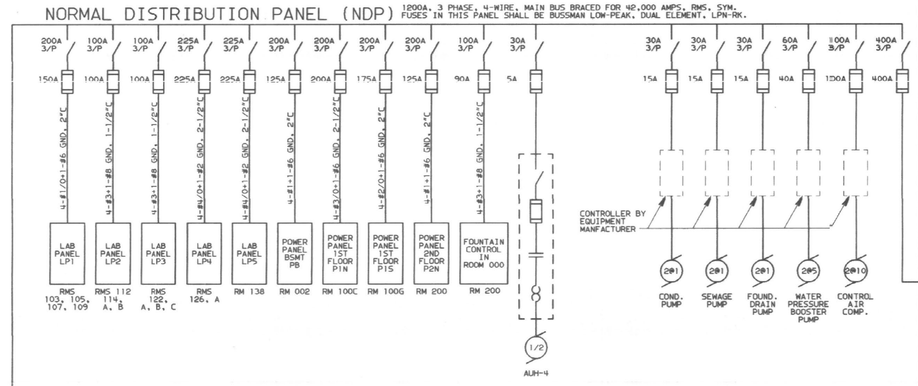
600A, 3 POLE MAIN HORIZONTAL BUS. (RUN #2N TO PANEL ONLY) BRACED FOR 65,000 AMPS. RMS. SYM. FUSES IN ALL SWITCHES SHALL BE BUSSMAN, LOW-PEAK, DUAL ELEMENT, LPN-RK.



VARIABLE SPEED CONTROLLERS PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR-WIRING BY ELECTRICAL CONTRACTOR. (TYPICAL FOR VAV-2, RF-2, EF-9, EF-10).

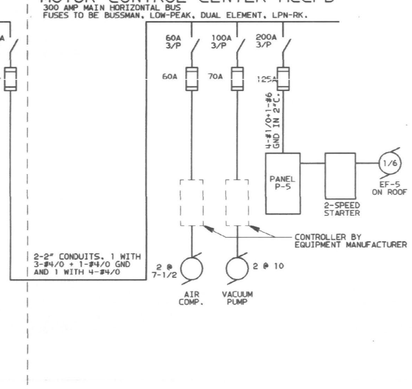
NORMAL DISTRIBUTION PANEL (NDP)

1200A, 3 PHASE, 4-WIRE, MAIN BUS BRACED FOR 42,000 AMPS. RMS. SYM. FUSES IN THIS PANEL SHALL BE BUSSMAN LOW-PEAK, DUAL ELEMENT, LPN-RK.

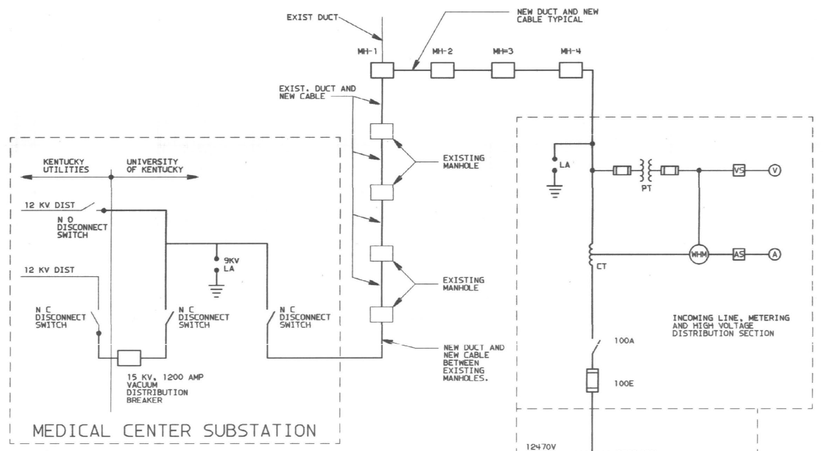


MOTOR CONTROL CENTER MCCPB

300 AMP MAIN HORIZONTAL BUS FUSES TO BE BUSSMAN, LOW-PEAK, DUAL ELEMENT, LPN-RK.

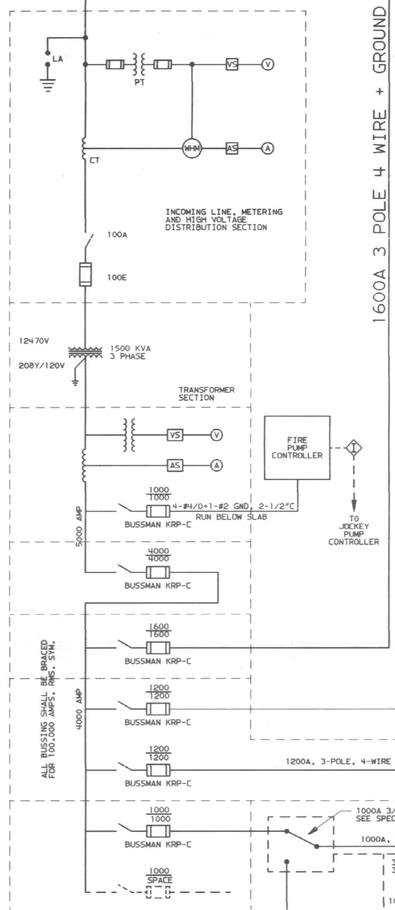


MEDICAL CENTER SUBSTATION



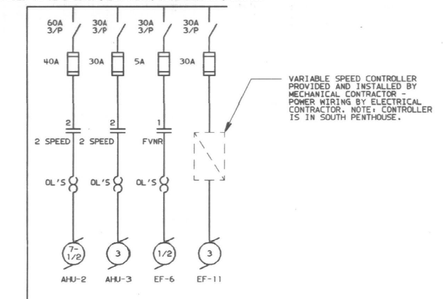
1600A 3 POLE 4 WIRE + GROUND 250V FEEDER BUSWAY

1350A 3 POLE 4 WIRE + GROUND 250V FEEDER BUSWAY



EMERGENCY MOTOR CONTROL CENTER MCCPBE

FUSES TO BE BUSSMAN, LOW PEAK, DUAL ELEMENT, LPN-RK



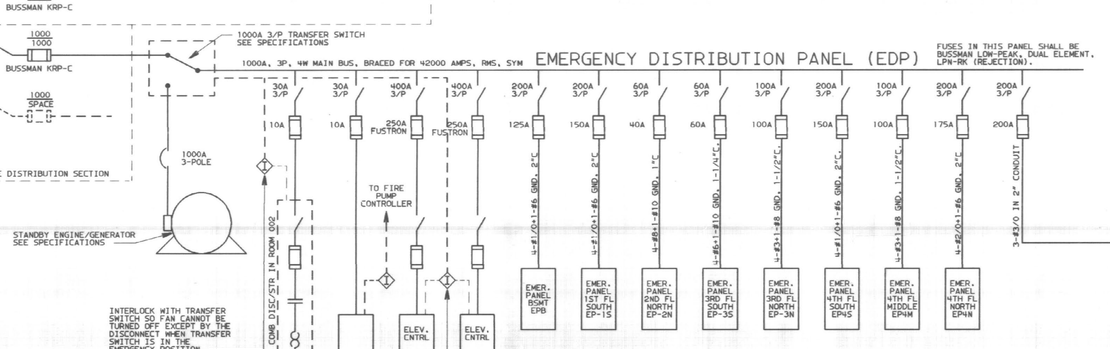
VARIABLE SPEED CONTROLLER PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR - POWER WIRING BY ELECTRICAL CONTRACTOR. NOTE: CONTROLLER IS IN SOUTH PENTHOUSE.

EMERGENCY DISTRIBUTION PANEL (EDP)

1000A, 3P, 4W MAIN BUS, BRACED FOR 42000 AMPS, RMS, SYM

1000A 3/P TRANSFER SWITCH SEE SPECIFICATIONS

FUSES IN THIS PANEL SHALL BE BUSSMAN LOW-PEAK, DUAL ELEMENT, LPN-RK (REJECTION).



INTERLOCK WITH TRANSFER SWITCH SO FAN CANNOT BE TURNED OFF EXCEPT BY THE DISCONNECT WHEN TRANSFER SWITCH IS IN THE EMERGENCY POSITION.

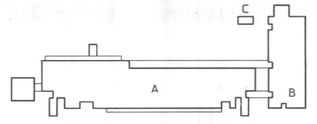
MANUAL ON/OFF SWITCH NEXT TO HOOD

2-WIRE

EF-7 PERCHLORIC HOOD EXHAUST

INTERLOCK SO THAT ONLY ONE ELEVATOR CAN RUN AT A TIME WHEN TRANSFER SWITCH IS IN THE EMERGENCY POSITION. COORDINATE WITH ELEVATOR CONTRACTOR.

KEY PLAN



RECORD DRAWING JUNE, 1988

POWER ONE-LINE DIAGRAM

SHEET NUMBER E4.

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

STATE OF KENTUCKY WARNICK C. HALE, JR. 7375 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION, UNIVERSITY OF KENTUCKY DATE:

PROJECT NUMBER 8421

ITEMS ON SHEET

DRAWN BY RDG JEK

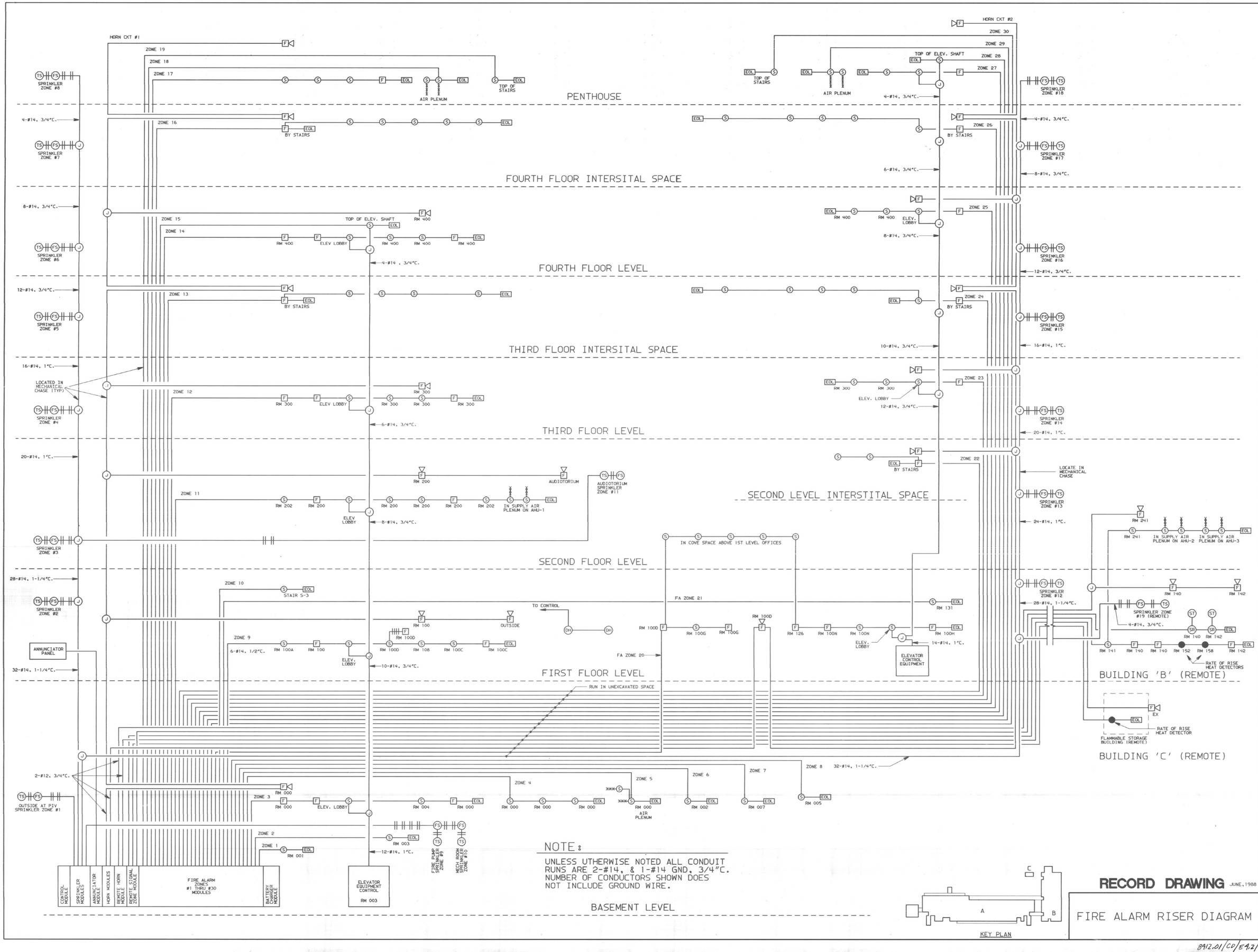
CHECKED BY MCH

DATE 05-28-85

REVISIONS

Cab.# Slot Document # 04 of 61

8412.01/CD/E4.1/5-28-85



NOTE:

UNLESS UTHERWISE NOTED ALL CONDUIT RUNS ARE 2-#14, & 1-#14 GND, 3/4"C. NUMBER OF CONDUCTORS SHOWN DOES NOT INCLUDE GROUND WIRE.

KEY PLAN

RECORD DRAWING JUNE, 1988

FIRE ALARM RISER DIAGRAM

E4.2

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
509 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY
WARWICK C. HALE, JR.
7375
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION, DIVISION UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
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ITEMS ON SHEET

DRAWN BY
RDG JEK

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WCH

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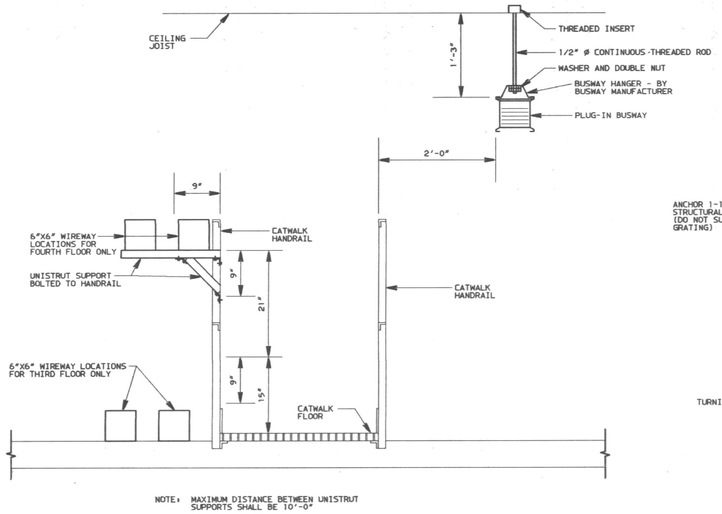
REVISIONS

SHEET NUMBER

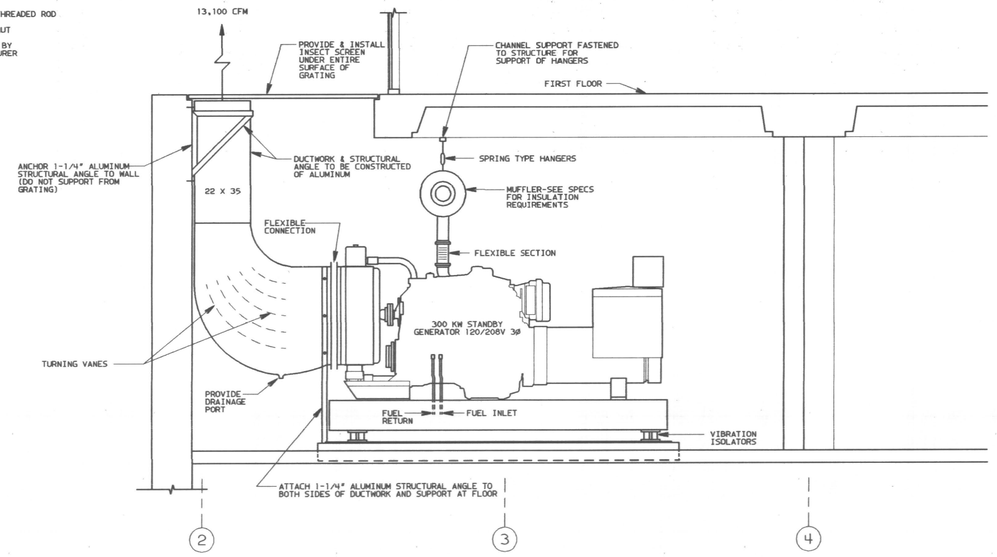
8412.01/CD/E4.2/5.28.85



NOTE: MAXIMUM DISTANCE BETWEEN UNISTRUT SUPPORTS SHALL BE 10'-0"

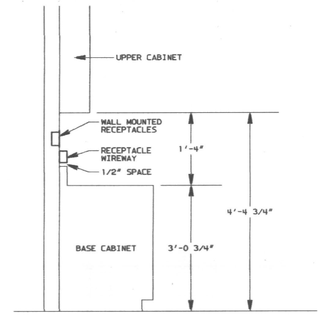
TYPICAL WIREWAY & BUSDUCT SUPPORT DETAIL

NO SCALE



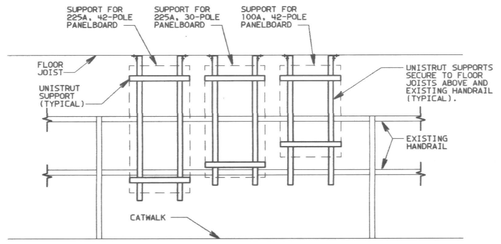
EMERGENCY GENERATOR ELEVATION (A) E2.1

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



RECEPTACLE WIREWAY DETAIL

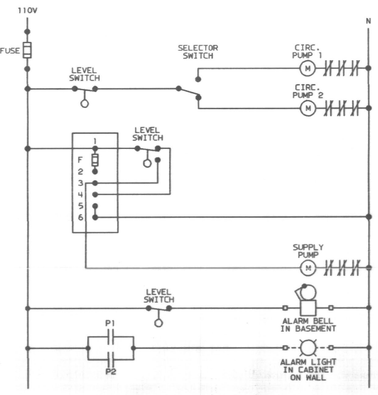
NO SCALE



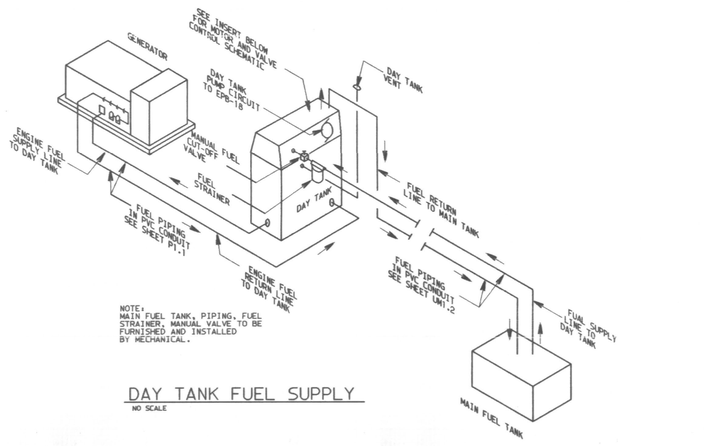
NOTE: SOME LOCATIONS MAY ONLY HAVE TWO PANELS. SEE SHEET E2.4 TO COORDINATE EXACT NUMBER AND SIZE OF PANELS.

TYPICAL INTERSTITIAL PANEL SUPPORT DETAIL

NO SCALE



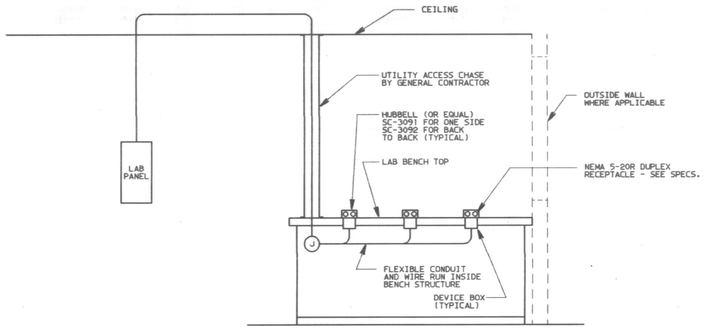
CONTROL CIRCUIT DIAGRAM FOR CULLIGAN WATER SYSTEM



NOTE:
MAIN FUEL TANK, PIPING, FUEL STRAINER, MANUAL VALVE TO BE FURNISHED AND INSTALLED BY MECHANICAL.

DAY TANK FUEL SUPPLY

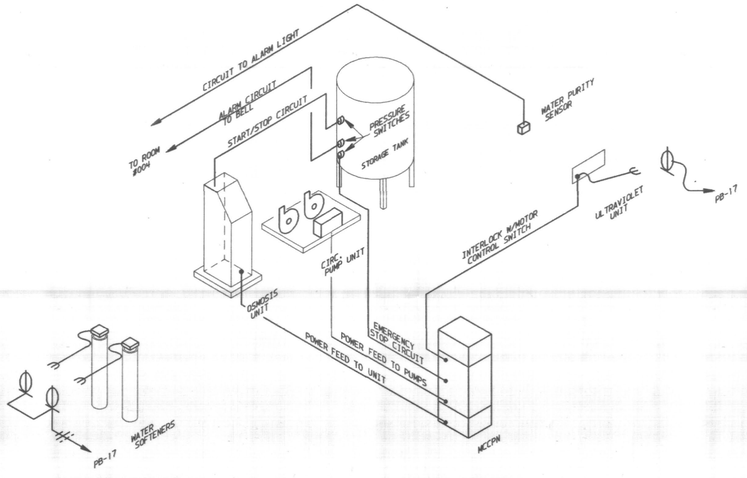
NO SCALE



RECEPTACLE DETAIL (ISLAND TYPE LAB BENCHES)

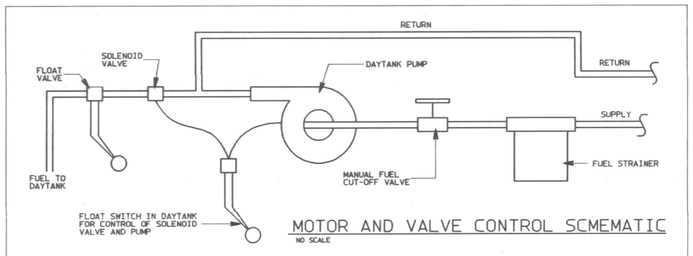
NO SCALE

NOTE: RECEPTACLE, BOXES, WIRE, CONDUIT, ETC. BY ELECTRICAL CONTRACTOR. HOLES IN LAB EQUIPMENT AND CABINETRY BY LAB CABINET MANUFACTURER. COORDINATE WITH GENERAL CONTRACTOR.



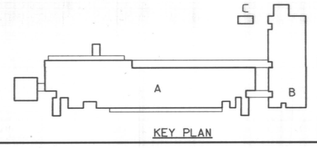
DEIONIZED WATER WIRING DIAGRAM

NO SCALE



MOTOR AND VALVE CONTROL SCMEMATIC

NO SCALE



KEY PLAN

RECORD DRAWING JUNE, 1988

ELECTRICAL DETAILS

SHEET NUMBER E5.

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY 40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
2041 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
600 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY WARWICK E. HALE, JR. 7375 REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER 230.1

APPROVED BY: DIRECTOR OF DESIGN AND CONSTRUCTION DIVISION UNIVERSITY OF KENTUCKY DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER 8421

ITEMS ON SHEET

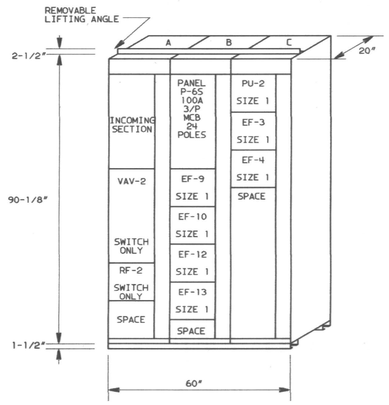
DRAWN BY JBM LTV RLA

CHECKED BY WCH

DATE 05-28-85

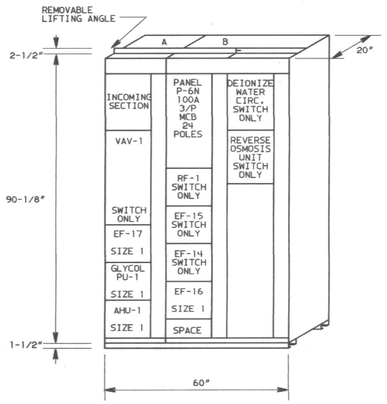
REVISIONS

8412.01/CD/E5.1/5.28.85



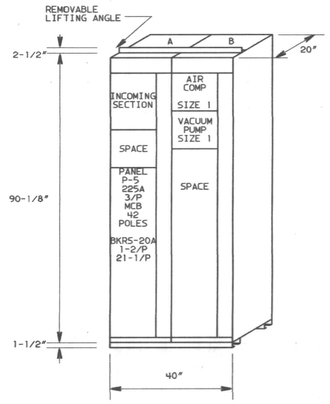
MOTOR CONTROL CENTER MCCPS
600A COPPER HORIZONTAL BUS BAR
TOP MOUNT, 208V., 3 POLE, 3 WIRE, 50%
GROUND BUS EQUAL TO SQUARE D MODEL 4
SWITCHES TO BE LOCKABLE IN OFF POSITION

MOTOR CONTROL CENTER MCCPS ELEVATION



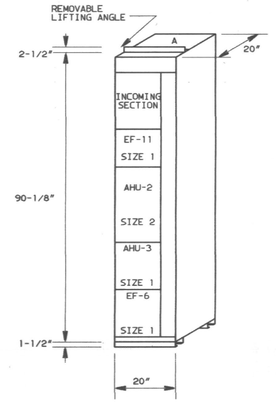
MOTOR CONTROL CENTER MCCPN
600A COPPER HORIZONTAL BUS BAR
TOP MOUNT, 208V., 3 POLE, 3 WIRE, 50%
GROUND BUS EQUAL TO SQUARE D MODEL 4
SWITCHES TO BE LOCKABLE IN OFF POSITION

MOTOR CONTROL CENTER MCCPN ELEVATION



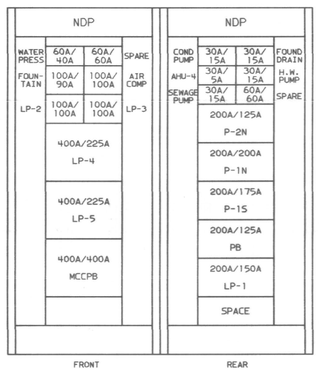
MOTOR CONTROL CENTER MCCPB
600A COPPER HORIZONTAL BUS BAR
TOP MOUNT, 208V., 3 POLE, 3 WIRE, 50%
GROUND BUS EQUAL TO SQUARE D MODEL 4
SWITCHES TO BE LOCKABLE IN OFF POSITION

MOTOR CONTROL CENTER MCCPB ELEVATION

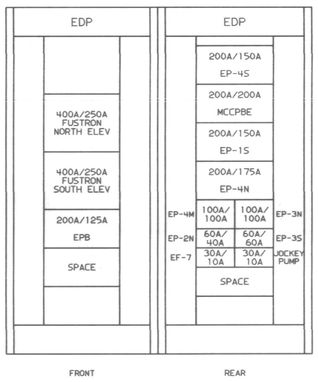


MOTOR CONTROL CENTER MCCPBS
600A COPPER HORIZONTAL BUS BAR
TOP MOUNT, 208V., 3 POLE, 3 WIRE, 50%
GROUND BUS EQUAL TO SQUARE D MODEL 4
SWITCHES TO BE LOCKABLE IN OFF POSITION

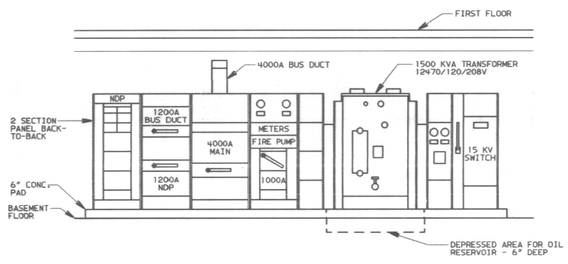
MOTOR CONTROL CENTER MCCPBE ELEVATION



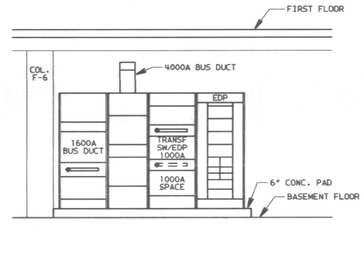
2 SECTION PANEL BACK-TO-BACK IN SAME ENCLOSURE
NO SCALE



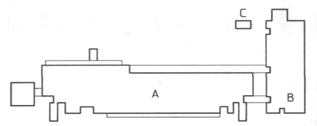
2 SECTION PANEL BACK-TO-BACK IN SAME ENCLOSURE
NO SCALE



SWITCHGEAR ELEVATION ROOM 002 (A / E2.1)
NO SCALE



SWITCHGEAR ELEVATION ROOM 002 (B / E2.1)
NO SCALE



KEY PLAN

RECORD DRAWING JUNE, 1988

ELECTRICAL DETAILS

E5.2

BICKEL GIBSON ASSOCIATES ARCHITECTS INCORPORATED
303 MCDOWELL BUILDING
505 SOUTH THIRD STREET
LOUISVILLE, KENTUCKY
40202 502-587-0571

WHITE, WALKER & McREYNOLDS CONSULTING ENGINEERS
8941 REGENCY CIRCLE
LEXINGTON, KENTUCKY 40503
STRUCTURAL ENGINEERS

PROCTOR-DAVIS-RAY CONSULTING ENGINEERS, INC.
800 CORPORATE DRIVE
LEXINGTON, KENTUCKY 40503
MECHANICAL AND ELECTRICAL ENGINEERS

COMMONWEALTH OF KENTUCKY
MARWICK C. HALE, JR.
7375
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY PROJECT NUMBER
230.1

APPROVED BY:
DIRECTOR OF DESIGN AND CONSTRUCTION, DIVISION OF REAL PROPERTY, UNIVERSITY OF KENTUCKY
DATE:

THE MAXWELL H. GLUCK EQUINE RESEARCH CENTER
COLLEGE OF AGRICULTURE
UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
8421

ITEMS ON SHEET

DRAWN BY
JEK

CHECKED BY
WCH

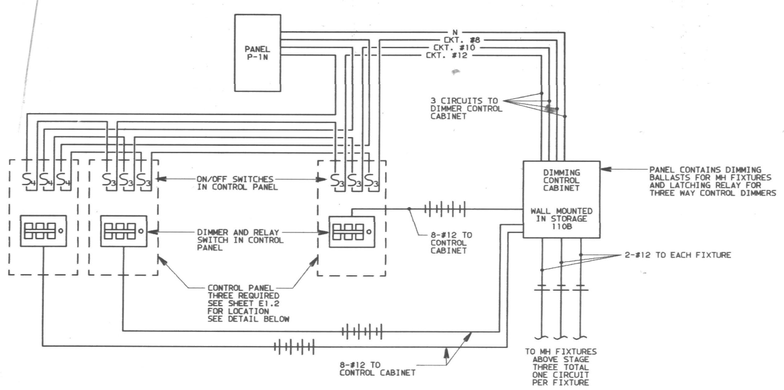
DATE
05-28-85

REVISIONS

Cab # Slot Document # of Sets

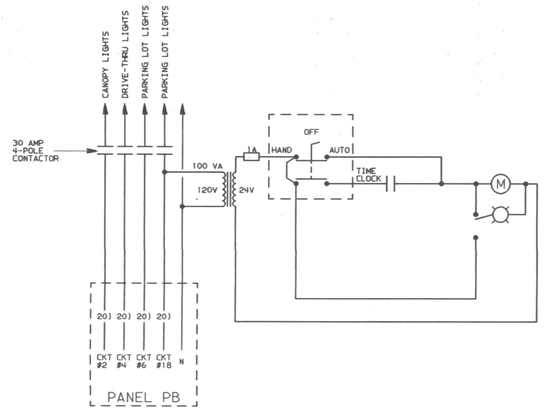
SHEET NUMBER
E5.2

8412.01/CD/E5.2/5-28-85



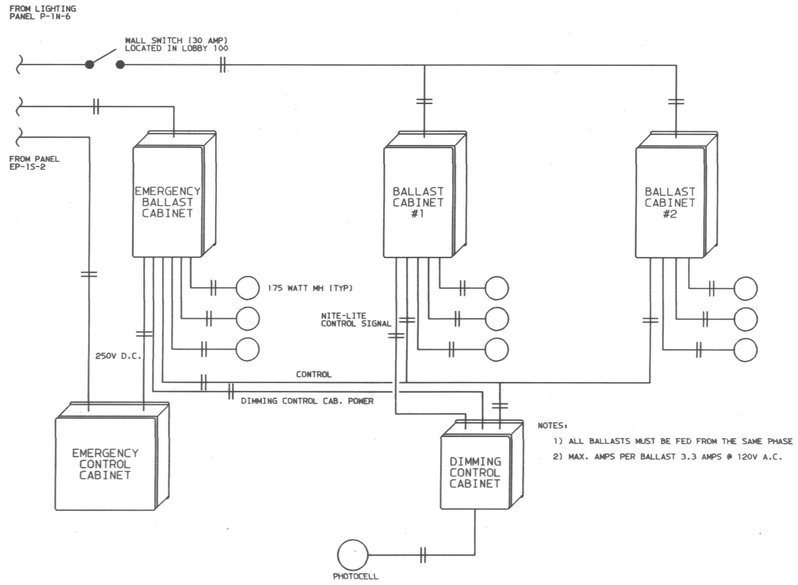
ONE LINE DIAGRAM FOR DIMMER CONTROL
LECTURE HALL TYPE G FIXTURES

NO SCALE



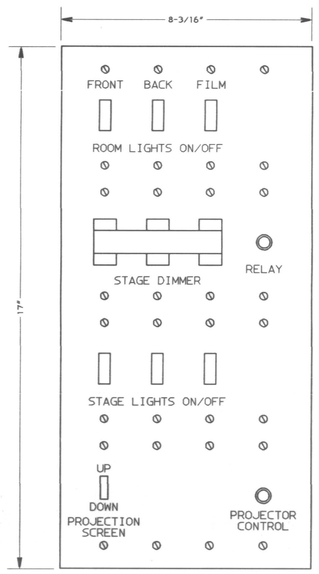
EXTERIOR LIGHTING CONTACTOR
POWER & CONTROL SCHEMATIC

NO SCALE



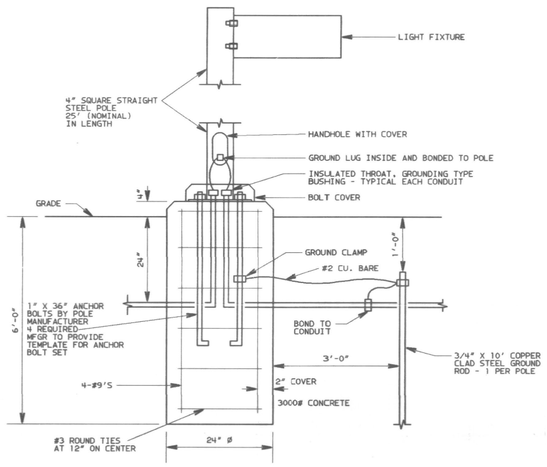
CORRIDOR 100F EMERGENCY AND NORMAL DIMMING SYSTEM

NO SCALE



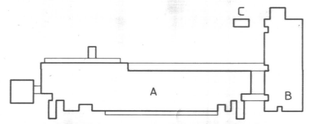
LECTURE HALL CONTROL PANEL
3 REQUIRED

NO SCALE



POLE BASE DETAIL - TYPE Y FIXTURES

NO SCALE



KEY PLAN

RECORD DRAWING JUNE, 1988

LIGHTING DETAILS

SHEET NUMBER
E5.1

BICKEL GIBSON
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UNIVERSITY OF KENTUCKY LEXINGTON CAMPUS

PROJECT NUMBER
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ITEMS ON SHEET

DRAWN BY
JBW LTV

CHECKED BY
WCH

DATE
05-28-85

REVISIONS

Cab. # Slot Document # 111535
197 A-1

8412.01/CD/E53/5:29:85