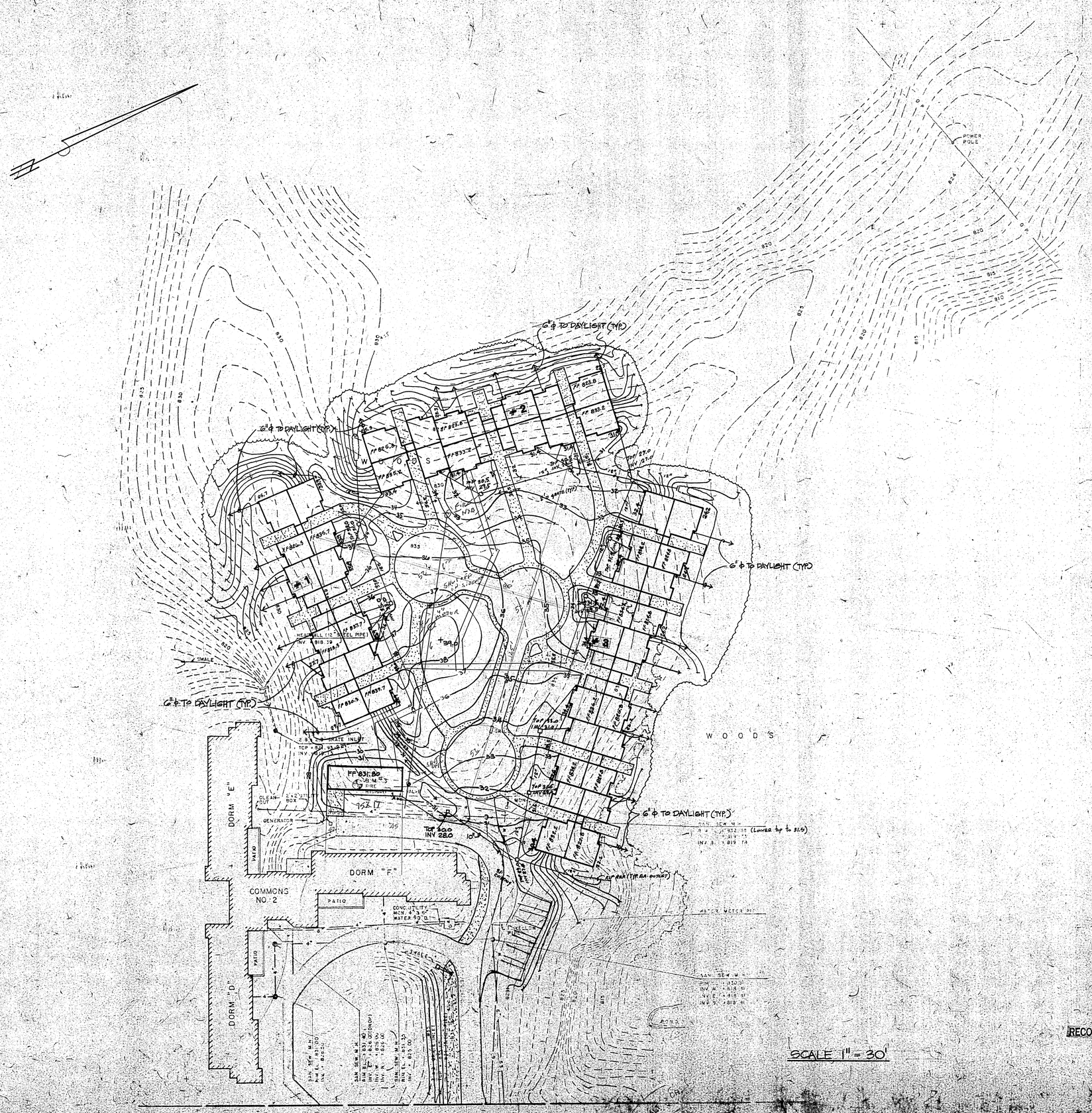
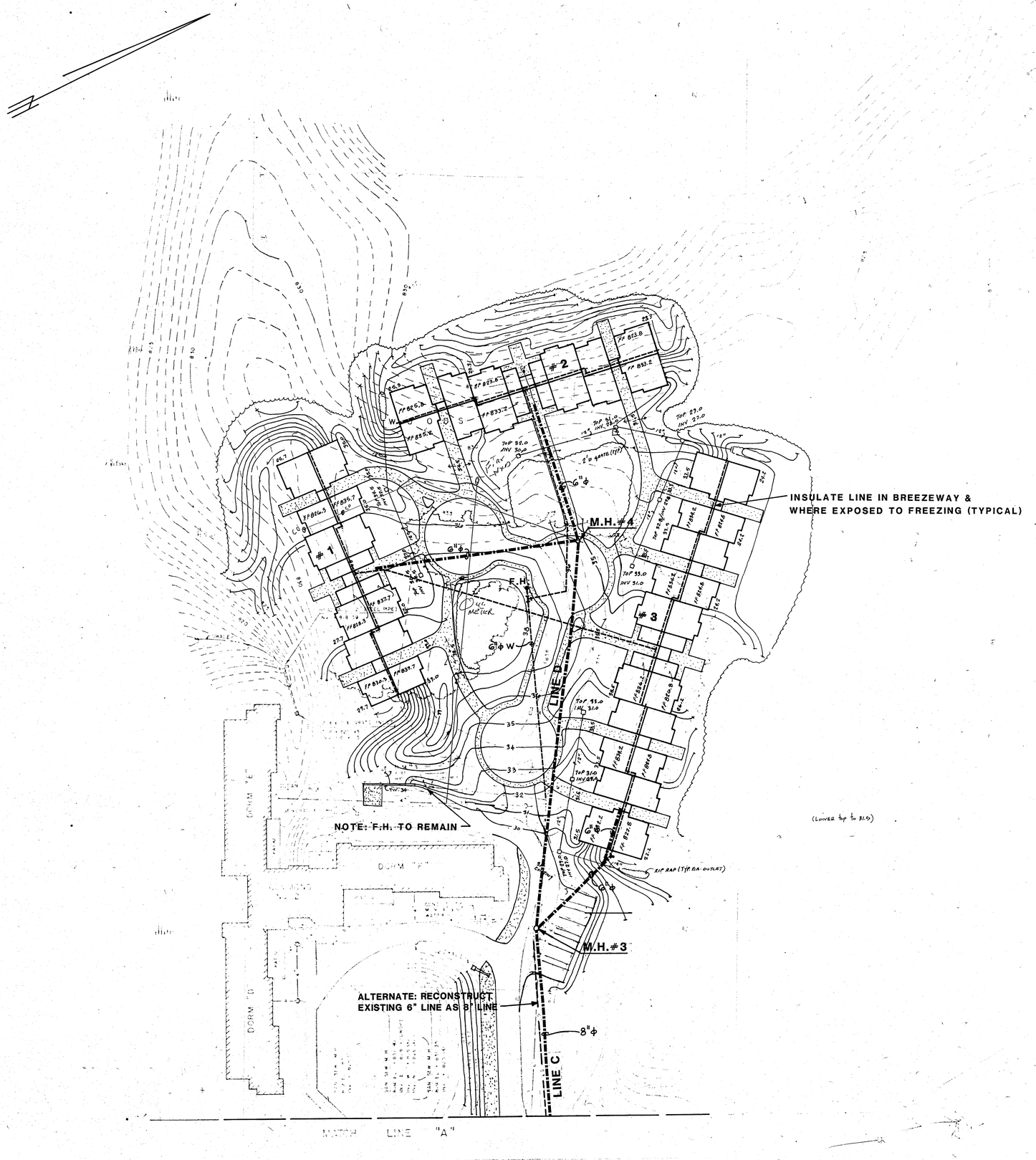


204311

RECORD PRINT



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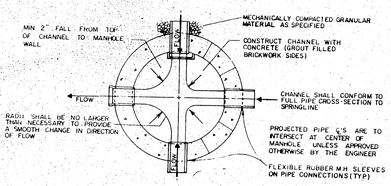
SHEET C-4

NKU RESIDENTIAL VILLAGE DEVELOPMENT

WATER & SEWER

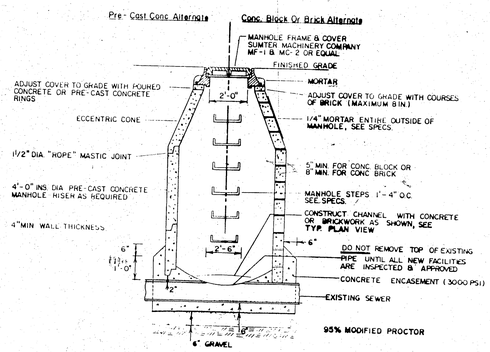
204312

RECORD PRINT



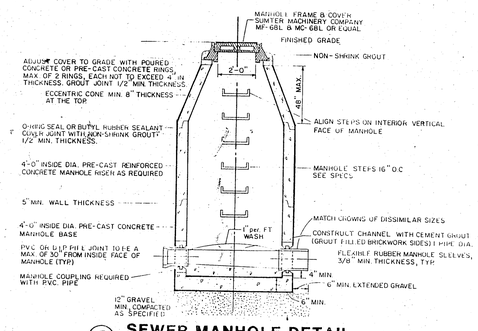
1/S5 **SEWER MANHOLE PLAN VIEW**

NOT TO SCALE



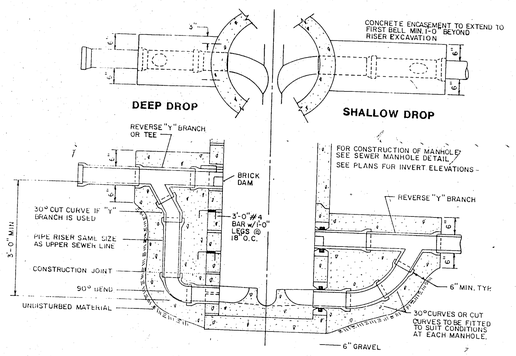
2/S5 **TAP INTO EXISTING SEWER MANHOLE DETAIL**

NOT TO SCALE



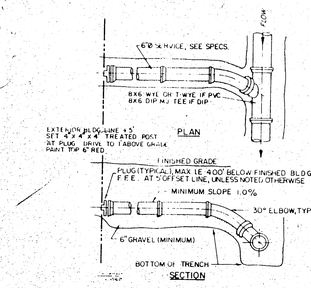
3/S5 **SEWER MANHOLE DETAIL**

NOT TO SCALE



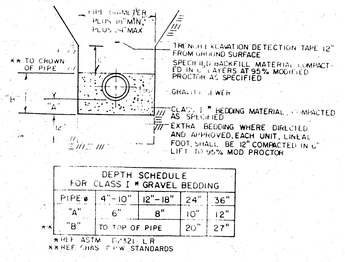
4/S5 **DROP INLET MANHOLE DETAIL**

NOT TO SCALE



5/S6 **SERVICE CONNECTION DETAIL**

NOT TO SCALE

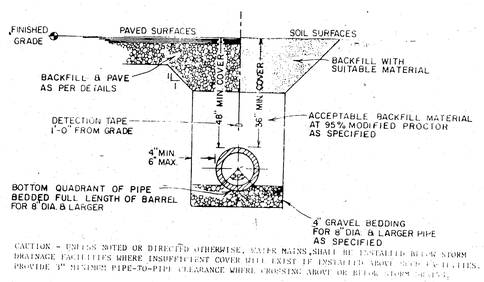


DEPTH SCHEDULE FOR CLASS I * GRAVEL BEDDING				
PIPE ⌀	4"-10"	12"-18"	24"	36"
"A"	6"	8"	10"	12"
"B"	TO TOP OF PIPE		20"	27"

* PER ASTM D2321 I.R.
** REF. CHAS. CPW STANDARDS

6/S6 **PIPE TRENCH SECTION FOR GRAVITY OR FORCE MAIN SEWER**

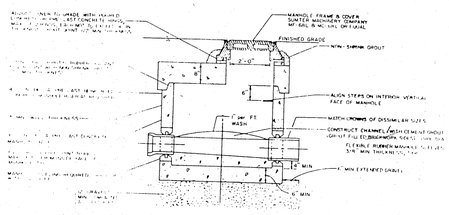
NOT TO SCALE



CAUTION - UNLESS NOTED OR DIRECTED OTHERWISE, WATER MAINS SHALL BE INSTALLED BELOW STORM DRAINAGE FACILITIES WHERE INSUFFICIENT COVER WILL EXIST IF INSTALLED ABOVE SUCH FACILITIES. PROVIDE 18" MINIMUM PIPE-TO-PIPE CLEARANCE WHERE CROSSING ABOVE OR BELOW STORM SEWERS.

7/S7 **WATER MAIN TRENCH SECTION**

NOT TO SCALE

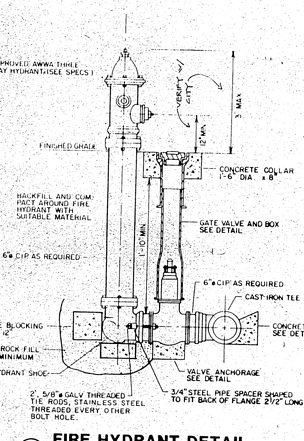


8/S5 **SHALLOW MANHOLE DETAIL**

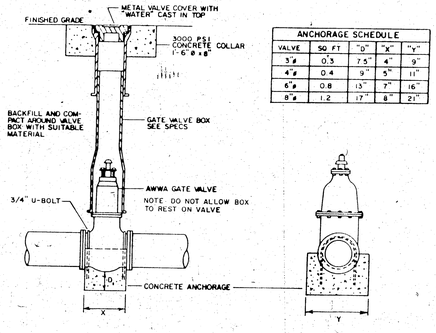
NOT TO SCALE

CONSTRUCTION NOTES

1. ALL SEWER SERVICES SHALL BE DIAMETER P.V.C. CONSTRUCTED AT MINIMUM GRADE OF 1.0% UNLESS APPROVED OR NOTED OTHERWISE. MINIMUM DEPTH OF BURIAL BELOW FINISHED GRADE SHALL BE 36".
2. TYPICAL SEWER SERVICES WILL TERMINATE 5 FEET FROM BUILDING UNLESS OTHERWISE NOTED. ENDS OF SEWER SERVICE LINES SHALL BE MARKED WITH 4" x 4" x 4' TREATED TIMBER POST SET 1' ABOVE GRADE AT THE SERVICE LINE PLUG. PAINT TOP 6" OF EXPOSED POST "RED".
3. WATER DISTRIBUTION AND SANITARY SEWER FACILITIES SHALL BE CONSTRUCTED PURSUANT TO "STANDARD SPECIFICATIONS" OF THE LOCAL PUBLIC WORKS DEPARTMENT EXCEPT WHERE PROJECT MATERIAL, METHODS AND SPECIFICATIONS ARE MORE STRINGENT AS DETERMINED BY THE ENGINEER'S SPECIFICATIONS. EARTHWORK, TRENCHING AND BACKFILLING SHALL BE AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
4. SOIL TESTING AND COMPACTION REQUIREMENTS SHALL BE RESPONSIBLE FOR ACHIEVING THE REQUIRED DEGREE OF COMPACTION SPECIFIED TO PRECLUDE SUBSIDENCE OF ROADWAY IMPROVEMENTS.
5. CONNECTIONS TO EXISTING UTILITIES SHALL NOT COMMENCE UNTIL VERIFICATION OF LOCATION, DIAMETER, ELEVATION, MATERIAL, INVERT ELEVATION AND EXISTING STRUCTURE SIZE AS APPLICABLE HAS BEEN PERFORMED BY THE CONTRACTOR.
6. THE CONTRACTOR SHALL NOTIFY LOCAL AUTHORITIES AT LEAST 48 HOURS BEFORE MAKING CONNECTIONS TO EXISTING SEWERS, WATER MAINS AND PRESSURE TESTING AND DISINFECTION OF NEW OR EXISTING WATER LINES.
7. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO PAVING.
8. SEWER AND WATER MAIN SHALL BE INSTALLED AS INDICATED, OR WHENEVER THE FOLLOWING MINIMUM CONDITIONS CANNOT BE MAINTAINED:
   A. 10 FEET HORIZONTAL SEPARATION PIPE-TO-PIPE BETWEEN WATER AND SEWER LINES.
   B. 18 INCHES VERTICAL SEPARATION PIPE-TO-PIPE BETWEEN WATER AND SEWER LINES. WATER LINES SHALL BE CONSTRUCTED OVER SEWER LINES.
9. SEWER CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING MANHOLE FRAMES TO REQUIRED FINISHED ROADWAY AND/OR FINISHED GRADE ELEVATION.
10. WHERE SEWER SERVICE LINES ENTER MANHOLES, MATCH CROWN ELEVATIONS WITH OUTLET SEWER CROWN.

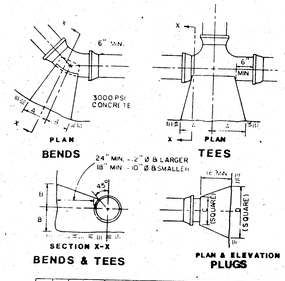


10/S5 **FIRE HYDRANT DETAIL**



ANCHORAGE SCHEDULE				
VALVE	50 FT	"D"	"X"	"Y"
3"ø	0.3	7.5"	4"	9"
4"ø	0.4	9"	5"	11"
6"ø	0.8	13"	7"	16"
8"ø	1.2	17"	8"	21"

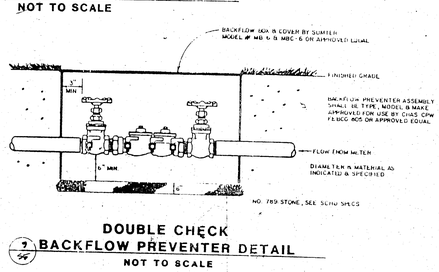
11/S5 **GATE VALVE AND BOX DETAIL**



MINIMUM SOIL BEARING (PSF)	22½° BEND		45° BEND		22½° BEND		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
1000 PSF	4"	10"	6"	8"	3"	9"	8"	8"	10"	14"
	6"	13"	9"	10"	4"	10"	10"	10"	14"	19"
	8"	16"	12"	12"	6"	10"	12"	12"	14"	23"
	10"	19"	15"	14"	7"	11"	14"	14"	14"	28"
	12"	23"	18"	16"	10"	12"	16"	16"	18"	34"
	14"	26"	21"	18"	11"	13"	18"	18"	20"	38"
2000 PSF	4"	10"	6"	10"	3"	9"	8"	10"	12"	17"
	6"	13"	9"	12"	4"	10"	10"	12"	16"	23"
	8"	16"	12"	14"	6"	10"	12"	14"	16"	28"
	10"	19"	15"	16"	7"	11"	14"	16"	18"	33"
	12"	23"	18"	18"	10"	12"	16"	18"	20"	40"
	14"	26"	21"	20"	11"	13"	18"	20"	22"	45"
3000 PSF	4"	10"	6"	12"	3"	9"	8"	12"	14"	20"
	6"	13"	9"	14"	4"	10"	10"	14"	18"	27"
	8"	16"	12"	16"	6"	10"	12"	16"	18"	33"
	10"	19"	15"	18"	7"	11"	14"	18"	20"	39"
	12"	23"	18"	20"	10"	12"	16"	20"	22"	47"
	14"	26"	21"	22"	11"	13"	18"	22"	24"	53"

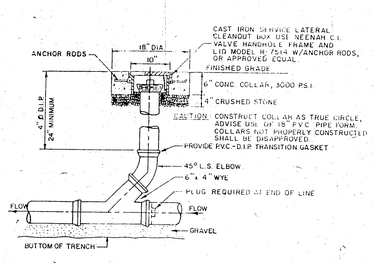
SAME BLOCKING FOR 2" TO 4" DIAMETER

12/S5 **STANDARD THRUST BLOCKS FOR WATER MAINS**



7/S6 **DOUBLE CHECK BACKFLOW PREVENTER DETAIL**

NOT TO SCALE



13/S5 **SERVICE LINE CLEANOUT DETAIL**

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SHEET C-5

NKU RESIDENTIAL VILLAGE DEVELOPMENT

WATER & SEWER DETAILS

204313

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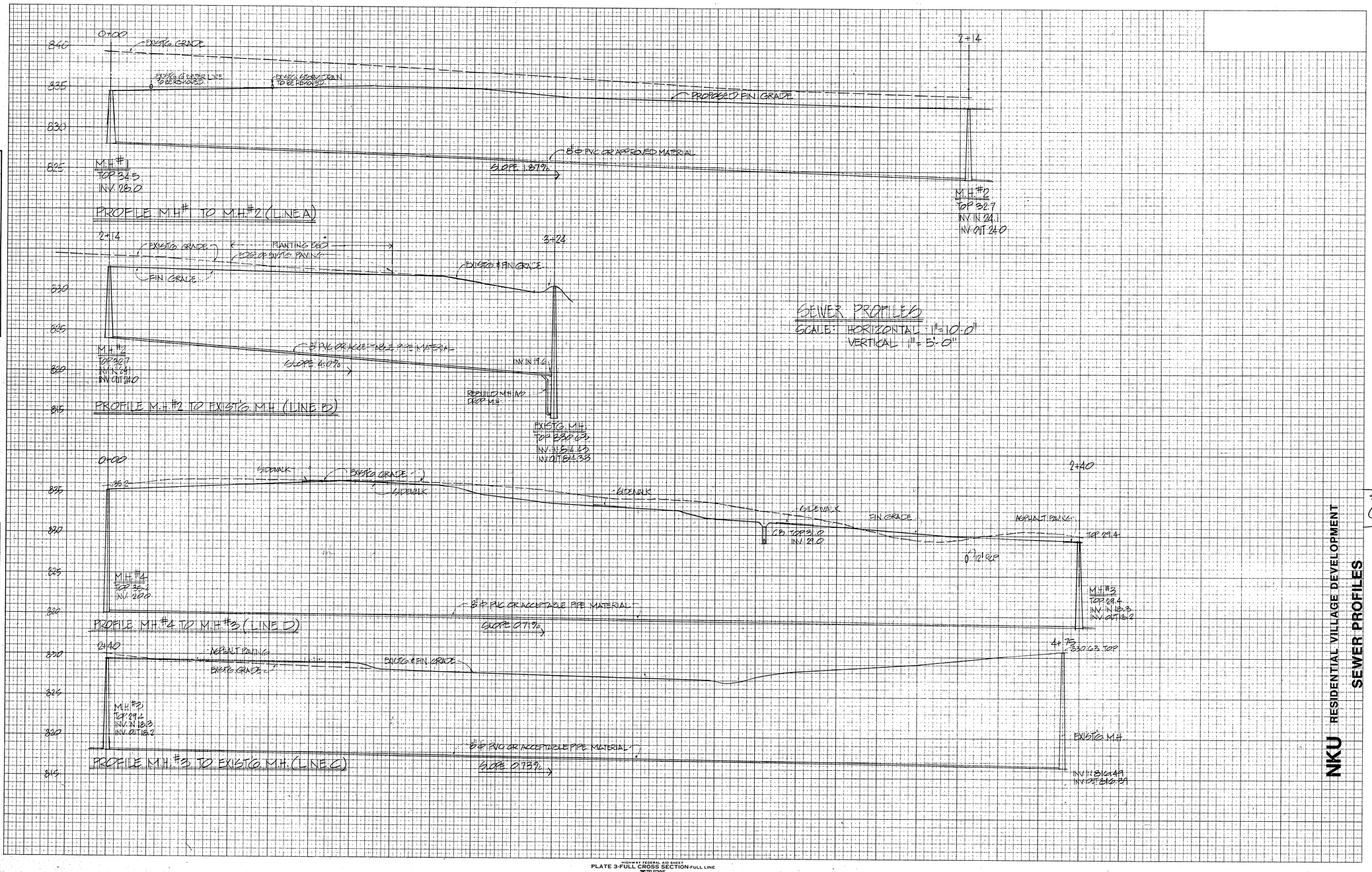
SEWER PROFILES

SCALE: HORIZONTAL 1"=10'-0"
VERTICAL 1"= 5'-0"



FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, NO., AREAS CHECKED, BY, DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, NO., AREAS CHECKED, BY, DATE

NKU RESIDENTIAL VILLAGE DEVELOPMENT

SEWER PROFILES

SHEET C-6

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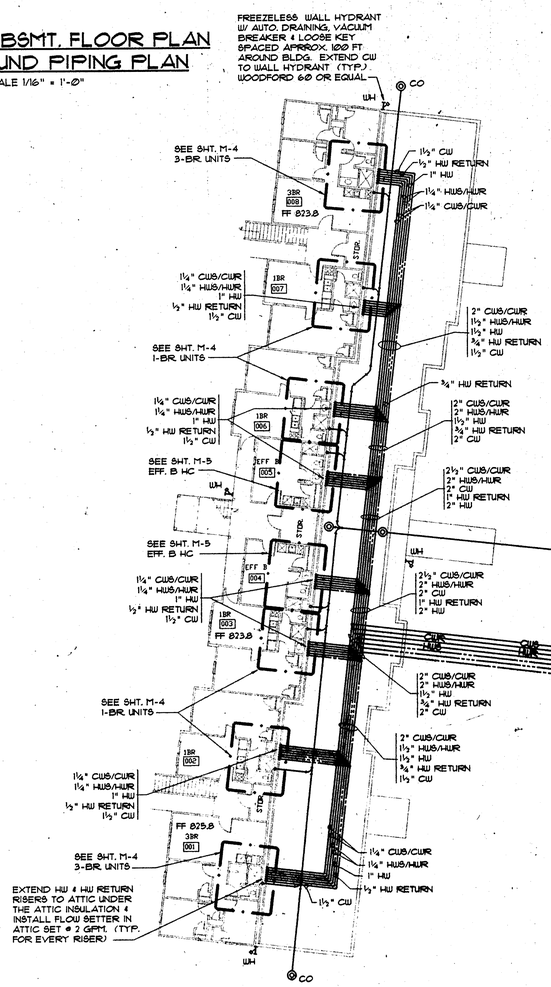
HIGHWAY FEDERAL AID SHEET
PLATE 3-FULL CROSS SECTION-FULL LINE
TELEDYNE
PRINTED IN U.S.A.

BUILDING 2 - BSMT. FLOOR PLAN
UNDERGROUND PIPING PLAN

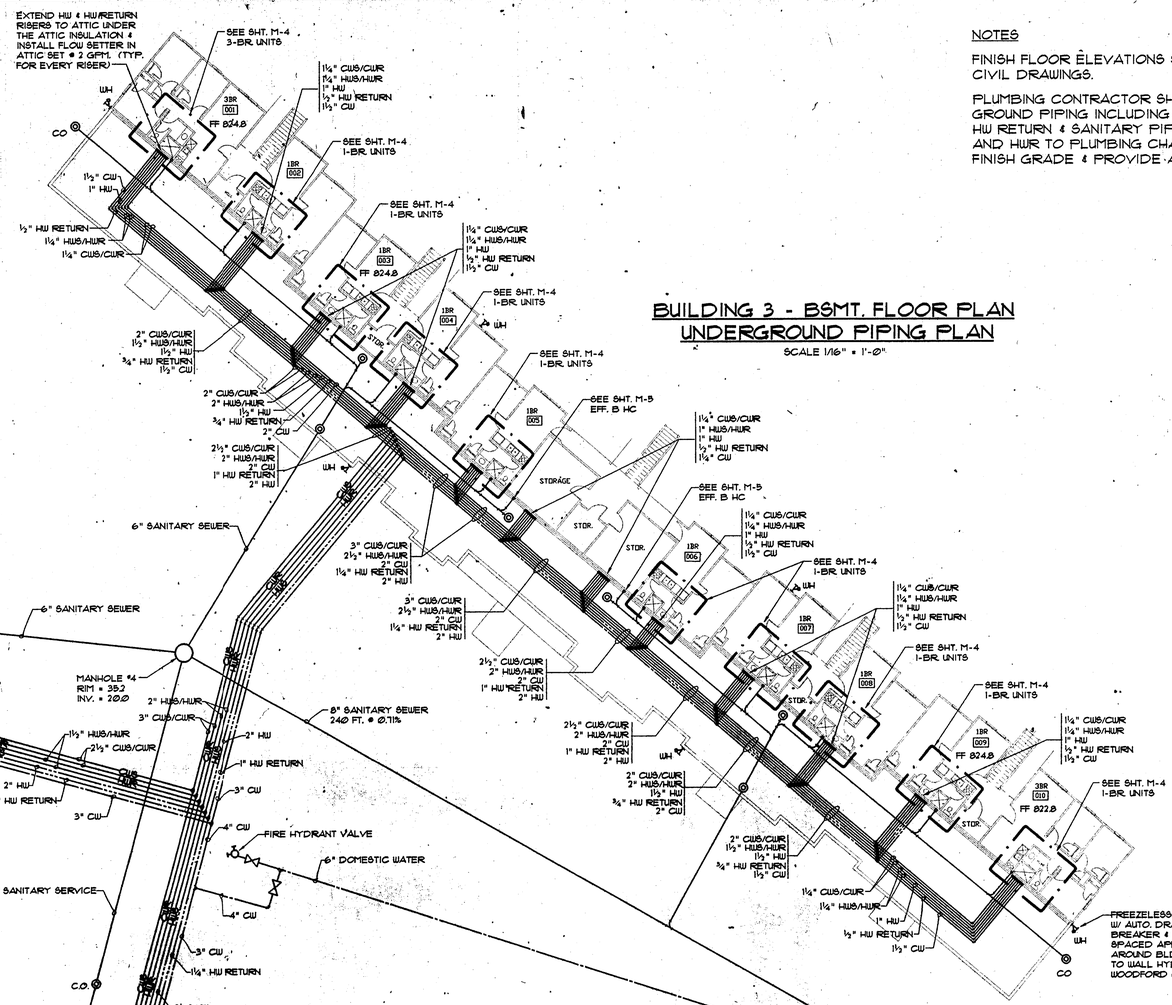
SCALE 1/16" = 1'-0"



EXTEND HW & HW RETURN RISERS TO ATTIC UNDER THE ATTIC INSULATION & INSTALL FLOW SETTER IN ATTIC SET @ 2 GPM. (TYP. FOR EVERY RISER)

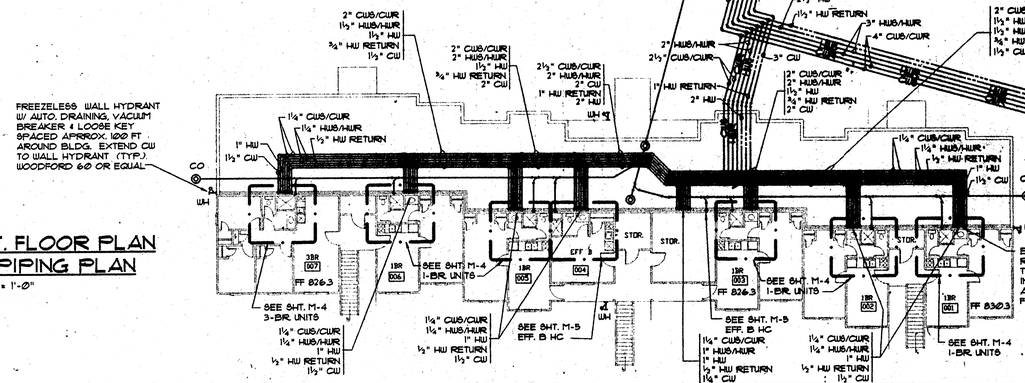
BUILDING 3 - BSMT. FLOOR PLAN
UNDERGROUND PIPING PLAN

SCALE 1/16" = 1'-0"



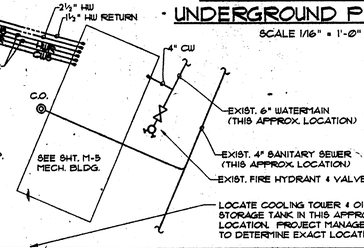
BUILDING 1 - BSMT. FLOOR PLAN
UNDERGROUND PIPING PLAN

SCALE 1/16" = 1'-0"



MECHANICAL BUILDING - UNDERGROUND PIPING PLAN

SCALE 1/16" = 1'-0"



NOTES

FINISH FLOOR ELEVATIONS SHALL BE CONSTRUCTED FROM CIVIL DRAWINGS.

PLUMBING CONTRACTOR SHALL INSTALLED ALL UNDER-GROUND PIPING INCLUDING CWS, CWR, HWS, HWR, HW, CW, HW RETURN & SANITARY PIPING. EXTEND CWS, CWR, HWS, AND HWR TO PLUMBING CHASE & TURN UP 1 FT ABOVE FINISH GRADE & PROVIDE A FLANGE FOR MECH. CONTR.

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STEVEN MICHAEL TYLER, P.E.
MECHANICAL ENGINEER
2011 Shadowood Ct., Columbia, S.C. 29212

NKU

RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

SHEET TITLE
BUILDINGS 1, 2 & 3
UNDERGROUND PIPING PLAN

204008

Campus Planning
File #29

NKU
Office of Campus Planning

REVISIONS	BY	Drawn SMT
		Date 7/29/91
		Sheet M1

NOTE

LOCATIONS AND ELEVATIONS FOR SANITARY SEWERS THAT ARE EXTERIOR OF BUILDINGS SHALL BE CONSTRUCTED FROM CIVIL DRAWINGS.

LOCATIONS AND ELEVATIONS FOR SANITARY SERVICES TO AND WITHIN BUILDINGS SHALL BE CONSTRUCTED FROM PLUMBING DRAWINGS.

FINISH FLOOR ELEVATIONS SHALL BE CONSTRUCTED FROM CIVIL DRAWINGS.

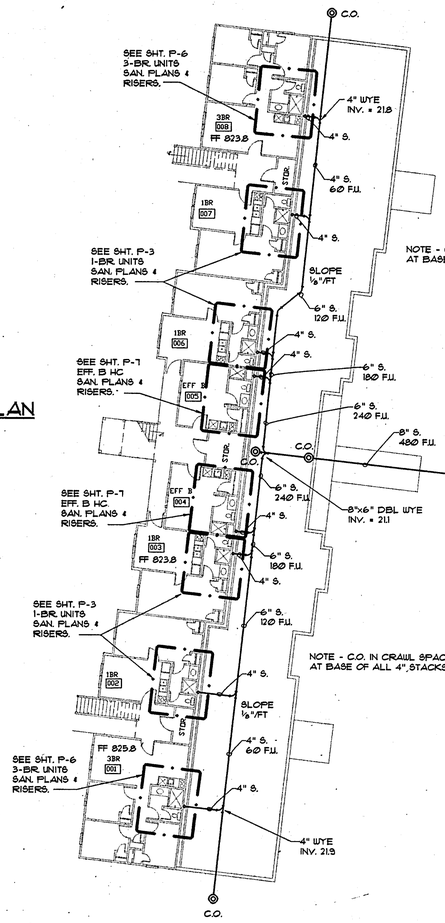
ALL SANITARY SERVICES TO AND WITHIN BUILDINGS SHALL BE ⅛"/FT. VERIFY ALL ELEVATIONS PRIOR TO INSTALLING ANY SANITARY PIPING.

ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.

SEE SHEET P-10 FOR ALL UNDERGROUND PIPING FOR THIS SITE.

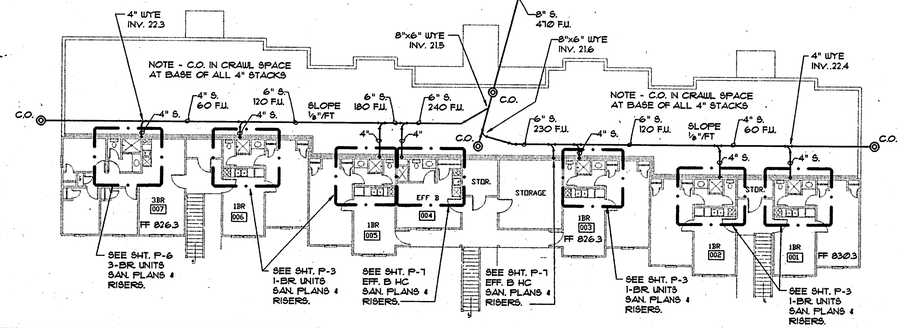
BUILDING 2 - BSMT. FLOOR PLAN SANITARY SEWER PLANS

SCALE 1/16" = 1'-0"



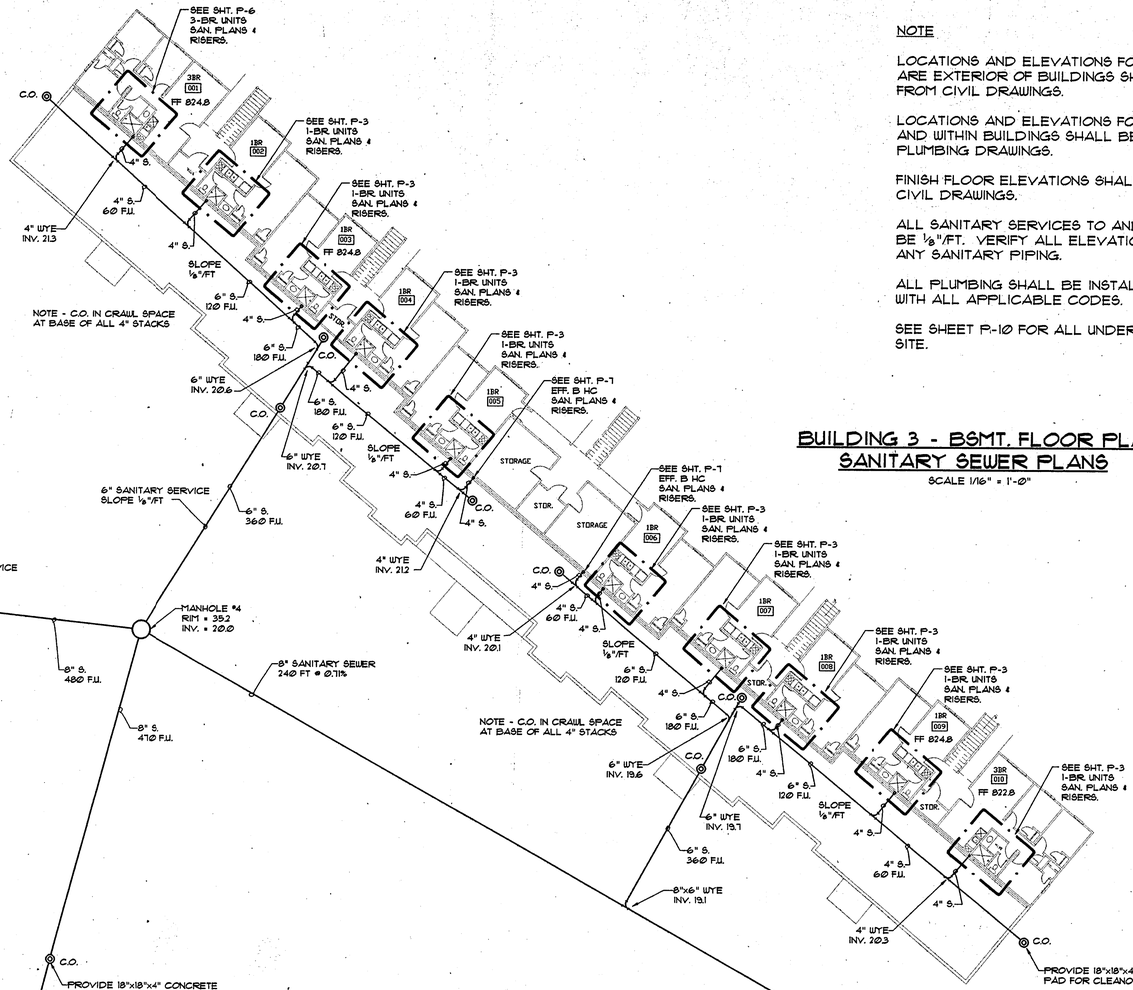
BUILDING 1 - BSMT. FLOOR PLAN SANITARY SEWER PLANS

SCALE 1/16" = 1'-0"



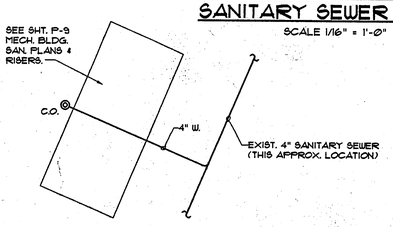
BUILDING 3 - BSMT. FLOOR PLAN SANITARY SEWER PLANS

SCALE 1/16" = 1'-0"



MECHANICAL BUILDING SANITARY SEWER PLANS

SCALE 1/16" = 1'-0"



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STEVEN MICHAEL TYLER, P.E.
MECHANICAL ENGINEER
2011 Shadowood Ct., Columbia, S.C. 29212

NKU

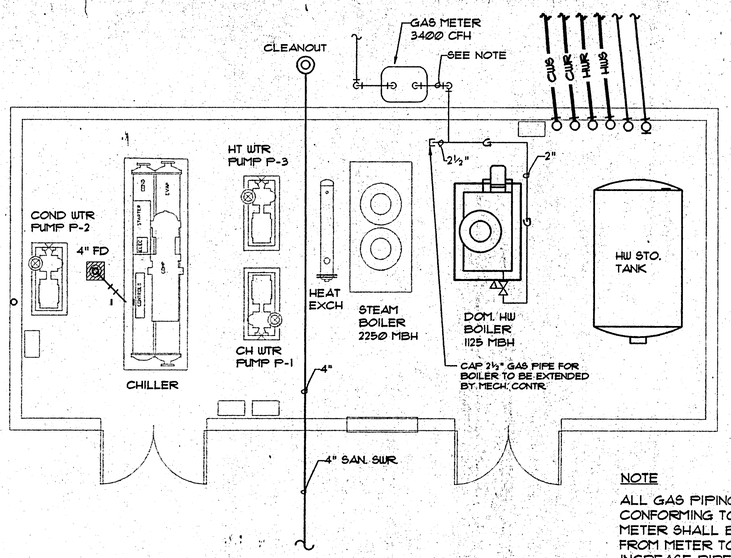
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

SHEET TITLE

BUILDING 1, 2 & 3 - SANITARY PIPING PLANS

REVISIONS	BY	
		Drawn SMT
		Date 7/15/91
		Sheet P1

204080



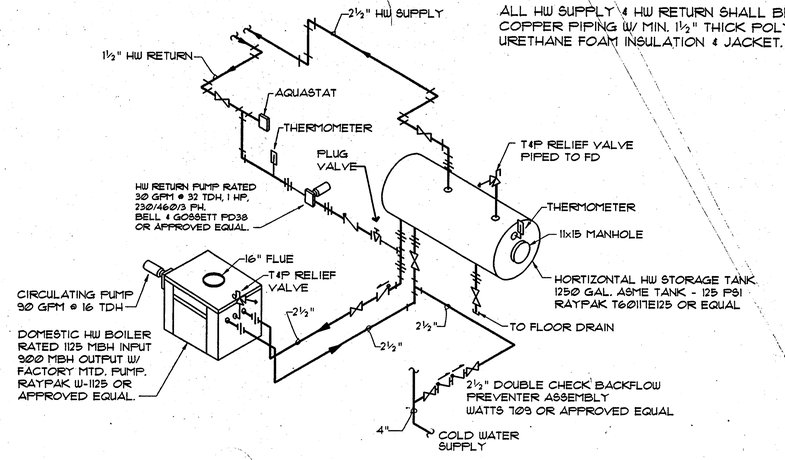
NOTE

ALL GAS PIPING SHALL BE WROUGHT STEEL PIPE CONFORMING TO ANSI B36.10. PIPE SIZE FROM METER SHALL BE 2½" WHEN THE TOTAL LENGTH FROM METER TO BOILER IS LESS THAN 30 FT. INCREASE PIPE SIZE TO 3" WHEN BETWEEN 30 FT. TO 100 FT.

GAS PIPING LAYOUT
MECHANICAL EQUIPMENT BUILDING

SCALE 1/4" = 1'-0"

DOMESTIC HW SYSTEM BY
PLBG. CONTRACTOR



NOTE

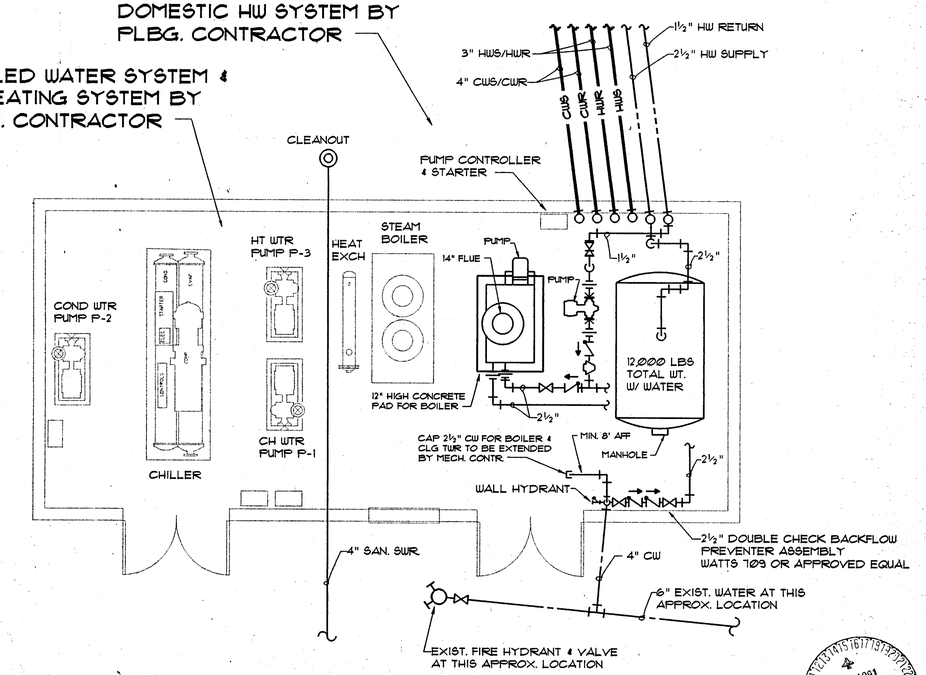
ALL HW SUPPLY & HW RETURN SHALL BE COPPER PIPING W/ MIN. 1½" THICK POLY-URETHANE FOAM INSULATION & JACKET.

DOMESTIC HW HEATING SYSTEM RISER

NO SCALE

DOMESTIC HW SYSTEM BY
PLBG. CONTRACTOR

CHILLED WATER SYSTEM &
HW HEATING SYSTEM BY
MECH. CONTRACTOR

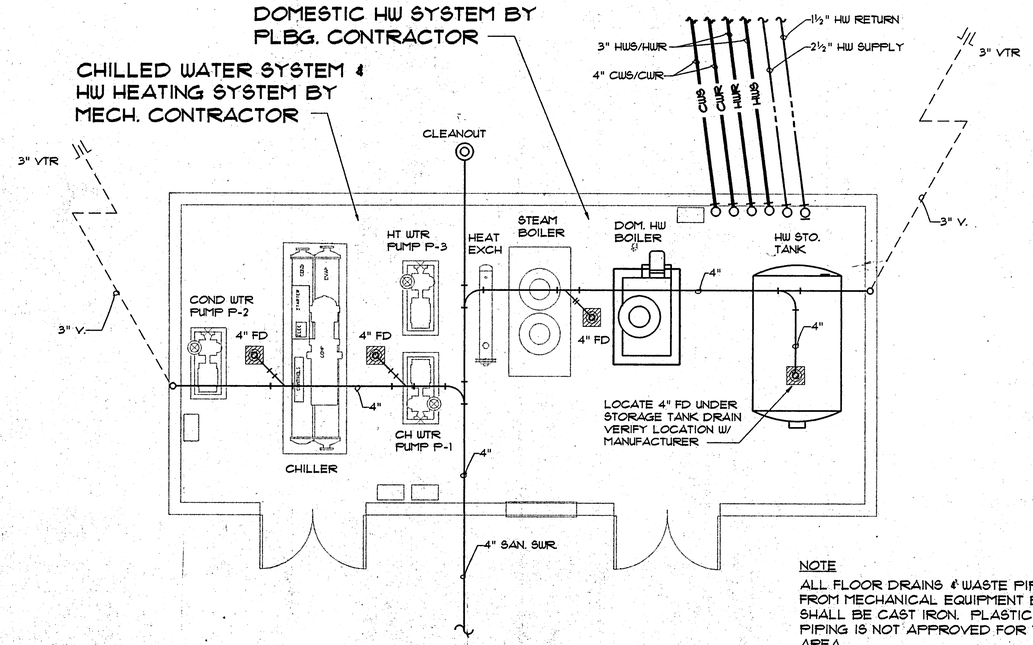


DOMESTIC CW, HW & HW RETURN PIPING
MECHANICAL EQUIPMENT BUILDING

SCALE 1/4" = 1'-0"

DOMESTIC HW SYSTEM BY
PLBG. CONTRACTOR

CHILLED WATER SYSTEM &
HW HEATING SYSTEM BY
MECH. CONTRACTOR



NOTE

ALL FLOOR DRAINS & WASTE PIPING FROM MECHANICAL EQUIPMENT BLDG. SHALL BE CAST IRON. PLASTIC F.D. & PIPING IS NOT APPROVED FOR THIS AREA.

SANITARY WASTE & VENT PIPING
MECHANICAL EQUIPMENT BUILDING

SCALE 1/4" = 1'-0"

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MECHANICAL ENGINEER
2011 Shadowood Ct., Columbia, S.C. 29212

NKU

RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

SHEET TITLE
MECHANICAL EQUIPMENT BUILDING
CW, HW, HW RETURN, GAS & SANITARY PIPING

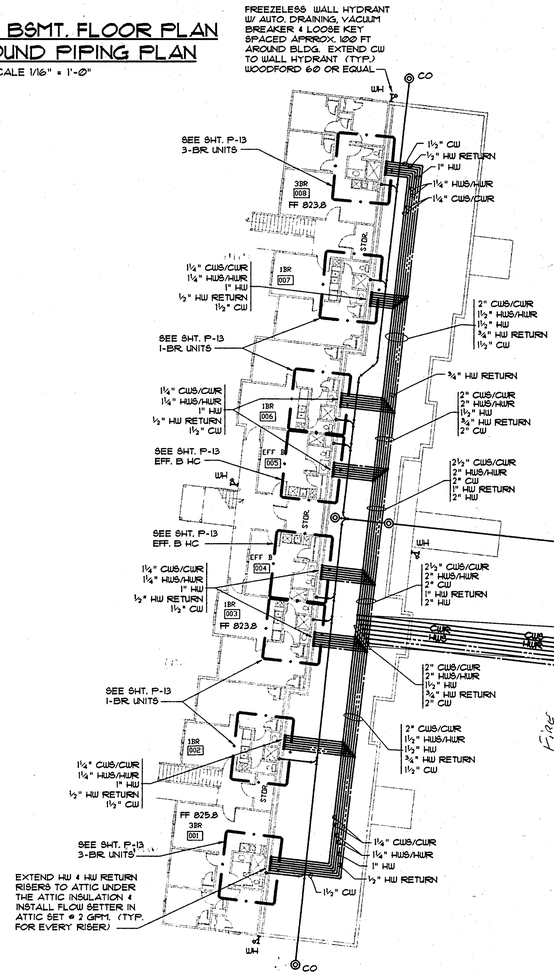
REVISIONS	BY

Drawn SMT
Date 7/15/91
Sheet **P9**

203855

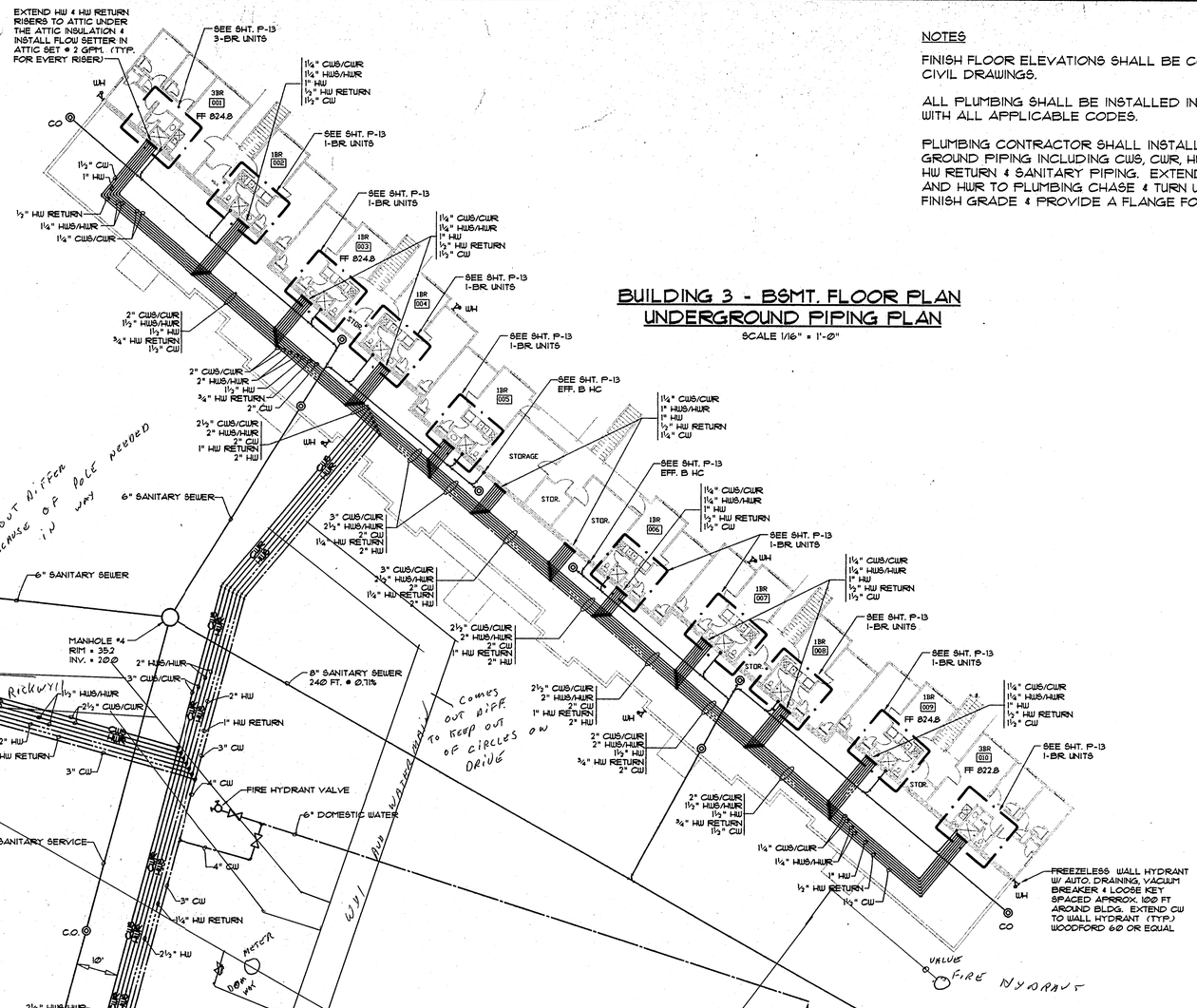
BUILDING 2 - BSMT. FLOOR PLAN UNDERGROUND PIPING PLAN

SCALE 1/16" = 1'-0"



BUILDING 3 - BSMT. FLOOR PLAN UNDERGROUND PIPING PLAN

SCALE 1/16" = 1'-0"



NOTES

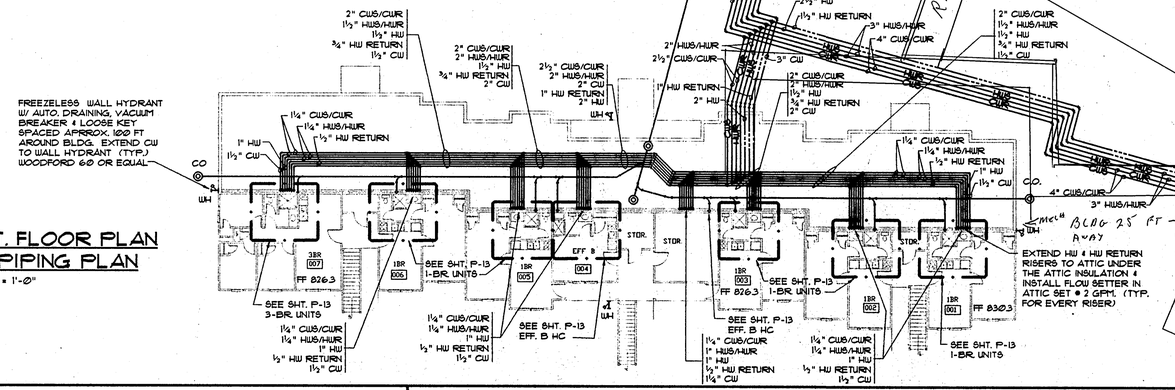
FINISH FLOOR ELEVATIONS SHALL BE CONSTRUCTED FROM CIVIL DRAWINGS.

ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.

PLUMBING CONTRACTOR SHALL INSTALLED ALL UNDERGROUND PIPING INCLUDING CWS, CWR, HWS, HWR, HW, CW, HW RETURN & SANITARY PIPING. EXTEND CWS, CWR, HWS, AND HWR TO PLUMBING CHASE & TURN UP 1 FT ABOVE FINISH GRADE & PROVIDE A FLANGE FOR MECH. CONTR.

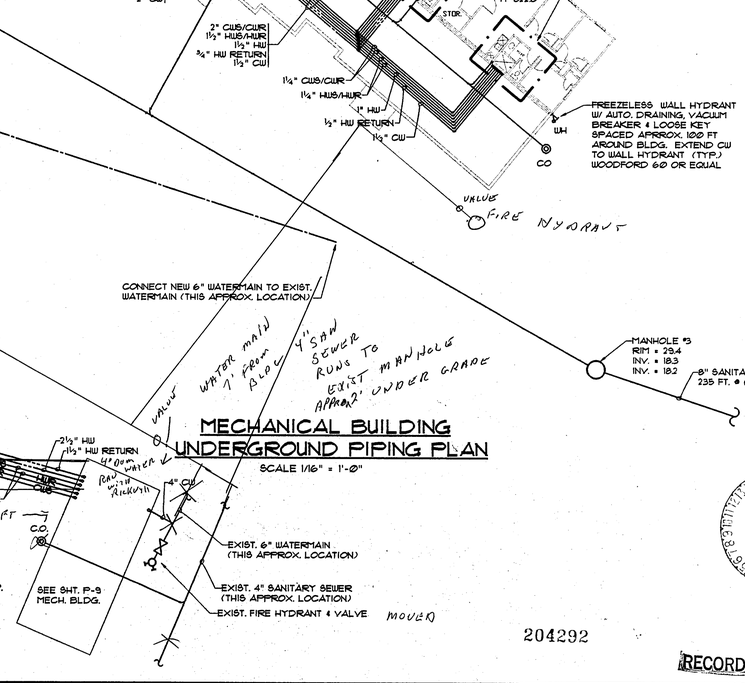
BUILDING 1 - BSMT. FLOOR PLAN UNDERGROUND PIPING PLAN

SCALE 1/16" = 1'-0"



MECHANICAL BUILDING UNDERGROUND PIPING PLAN

SCALE 1/16" = 1'-0"



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STEVEN MICHAEL TYLER, P.E.
MECHANICAL ENGINEER
2011 Shadowood Ct., Columbia, S.C. 29212

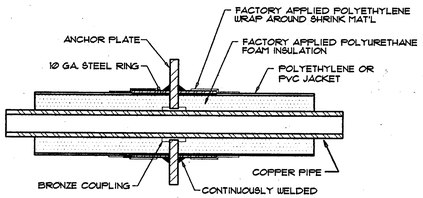
NKU

RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

SHEET TITLE

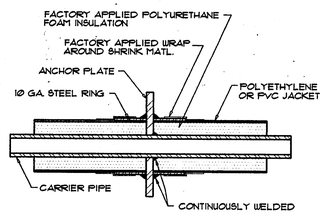
BUILDINGS 1, 2 & 3
UNDERGROUND PIPING PLAN

REVISIONS	BY	
		Drawn SMT
		Date 7/15/91
		Sheet P10



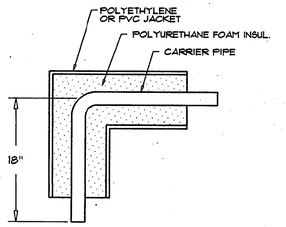
PRE-FAB ANCHOR DETAIL

FOR COPPER CARRIER PIPE

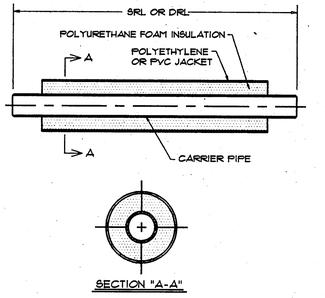


PRE-FAB ANCHOR DETAIL

FOR STEEL CARRIER PIPE



PREFAB 90° ELBOW



SECTION "A-A"

NOTES

FINISH FLOOR ELEVATIONS SHALL BE CONSTRUCTED FROM CIVIL DRAWINGS.

ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.

PLUMBING CONTRACTOR SHALL INSTALLED ALL UNDER-GROUND PIPING INCLUDING CWS, CWR, HWS, HWR, HW, CW, HW RETURN & SANITARY PIPING. EXTEND CWS, CWR, HWS, AND HWR TO PLUMBING CHASE & TURN UP 1 FT ABOVE FINISH GRADE & PROVIDE A FLANGE FOR MECH. CONTR.

UNDERGROUND WATERMAINS SHALL BE AWWA C900 PVC PRESSURE PIPE CLASS 100 (DR 25) AND SHALL BE EQUALED TO BLUE BRUTE BY JOHNS-MANVILLE.

UNDERGROUND CW SERVICE SHALL BE TYPE 1 PVC 1120 PRESSURE PIPE SCHEDULE 40 ASTM D 1785 NSF LISTED FOR WATER PIPE & FITTINGS AND SHALL BE EQUALED TO CHAROLETTE PIPE.

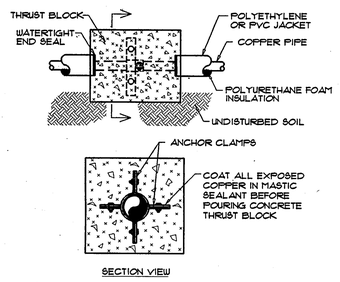
UNDERGROUND HW & HW RETURN PIPING SHALL BE COPPER ASTM B-88 W/ POLYURETHANE FOAM INSUL. & PVC JACKET AND SHALL BE EQUALED TO INSUL-8 SOLDERED COPPER SYSTEM BY ROVANCO CORP.

UNDERGROUND CWS, CWR, HWS & HWR PIPING SHALL BE STEEL OR COPER W/ POLYURETHANE FOAM INSULATION & PVC JACKET AND SHALL BE EQUALED TO INSUL-8 PRE-INSULATED PIPING SYSTEMS BY ROVANCO CORP.

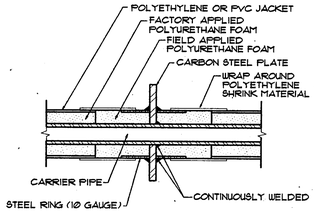
UNDERGROUND CWS & CWR PIPING MAY BE PVC SDR 26 CLASS 160 ASTM D2241 W/ POLYURETNANE FOAM INSULATION & PVC JACKET AND SHALL BE EQUALED TO INSUL 8 GASKETED PVC PIPE SYSTEM BY ROVANCO CORP.

EXPANSION JOINTS, ANCHORS AND PIPING SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S SHOP DRAWINGS AS APPROVED BY MECH. ENGINEER.

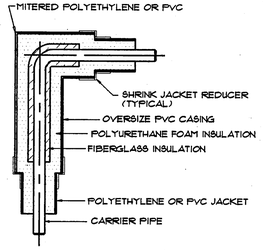
NO ASBESTOS MATERIALS ARE TO BE USED ON THIS PROJECT.



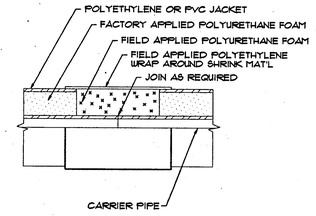
FIELD APPLIED COPPER ANCHOR DETAIL



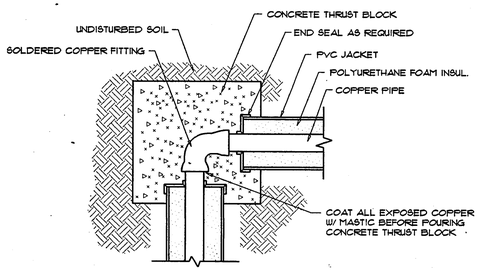
FIELD APPLIED ANCHOR DETAIL



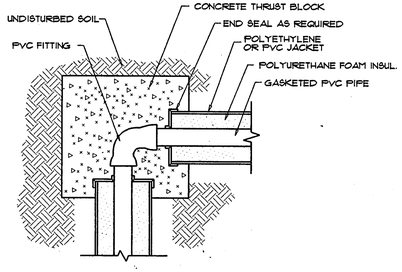
90° EXPANSION ELBOW



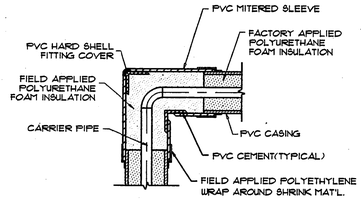
FIELD JOINT DETAIL



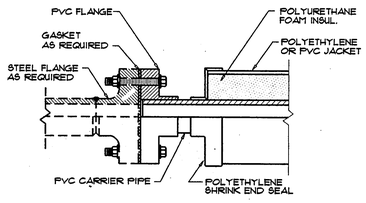
THRUST BLOCK FOR 90° ELBOW



THRUST BLOCK FOR GASKETED PVC ELBOW



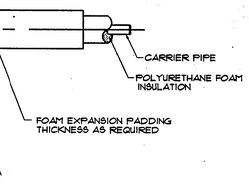
PVC HARD SHELL FITTING COVER



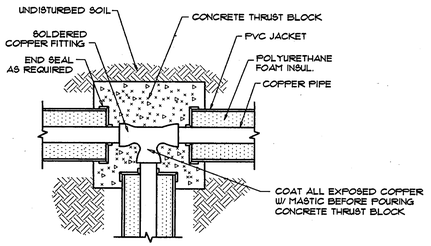
PVC/STEEL TRANSITION DETAIL

NOTE: ANCHOR STEEL LINE WITHIN 5' OF TRANSITION POINT

MINIMUM POLYURETHANE FOAM INSULATION THICKNESSES									
SERVICE	PIPE SIZES								
	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
CWS/CWR	½"	½"	½"	½"	¾"	¾"	¾"	¾"	1"
HWS/HWR	1½"	1½"	1½"	2"	2"	2"	2"	2"	2"
DOM. HW	1"	1"	1"	1"	1¼"	1¼"	1½"	1½"	1½"
HW RETURN	1"	1"	1"	1"	1¼"	1¼"	1½"	1½"	1½"

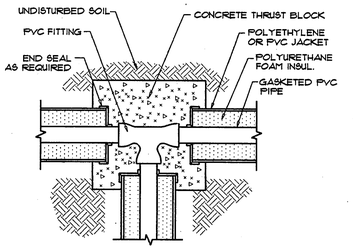


90° ELBOW W/ EXPANSION PADS

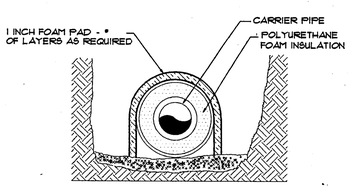


THRUST BLOCK FOR TEE

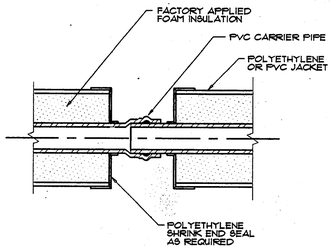
ON COPPER O'RING SYSTEM



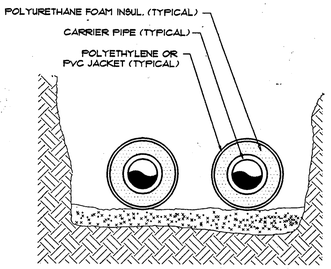
THRUST BLOCK FOR GASKETED PVC TEE



SECTION VIEW



GASKETED PVC FIELD JOINT



TYPICAL CROSS SECTION

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STEVEN MICHAEL TYLER, P.E.
MECHANICAL ENGINEER
2011 Shadowood Ct.; Columbia, S.C. 29212

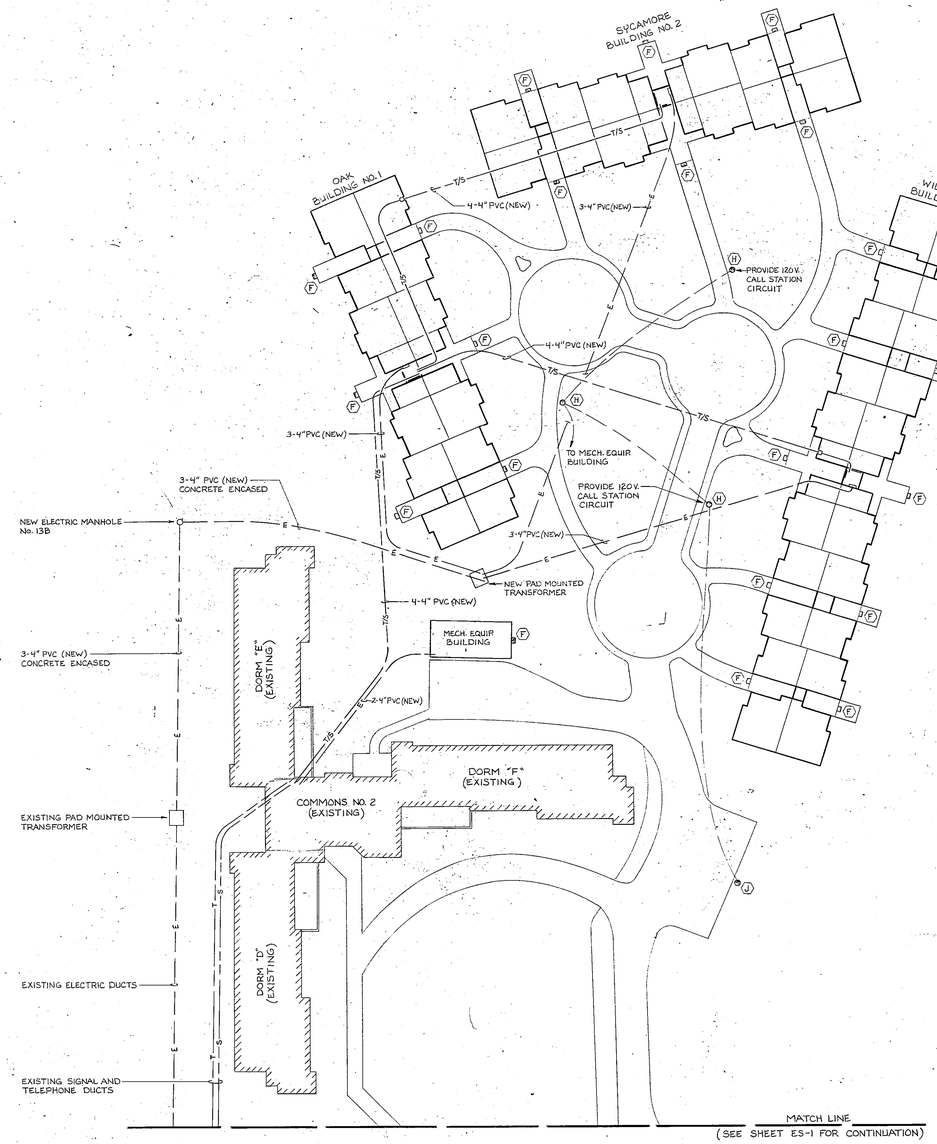
NKU

RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

SHEET TITLE
UNDERGROUND PIPING DETAILS & SCHEDULE

REVISIONS	BY

Drawn SMT
Date 7/10/91
Sheet
P14



PARTIAL SITE PLAN
SCALE: 1" = 30'

NORTH

GENERAL NOTES:

1. SEE SHEET EA-15 FOR LUMINAIRE SCHEDULE.
2. SEE SHEET ER-20 FOR ADDITIONAL POWER DISTRIBUTION INFORMATION.
3. SEE SHEET ER-23 FOR ADDITIONAL COMMUNICATION DISTRIBUTION INFORMATION.

204235

REVISIONS:
8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

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RPR & ASSOCIATES, INC.

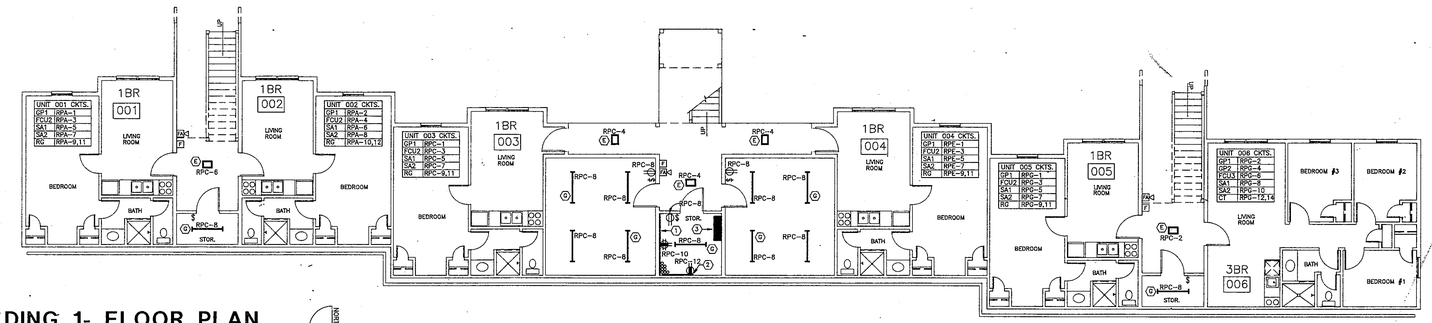
Edcom
Electrical Design
and Construction Managers
P.O. Box 858
Ross (Cincinnati), Ohio 45061
(513) 738-2641

NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

PARTIAL
SITE PLAN
BUILDINGS
1,2,3

JOB NO.	3143
DATE:	8-30-91
DRAWN BY:	DAS
CHECKED:	DSK
PLOT DATE:	

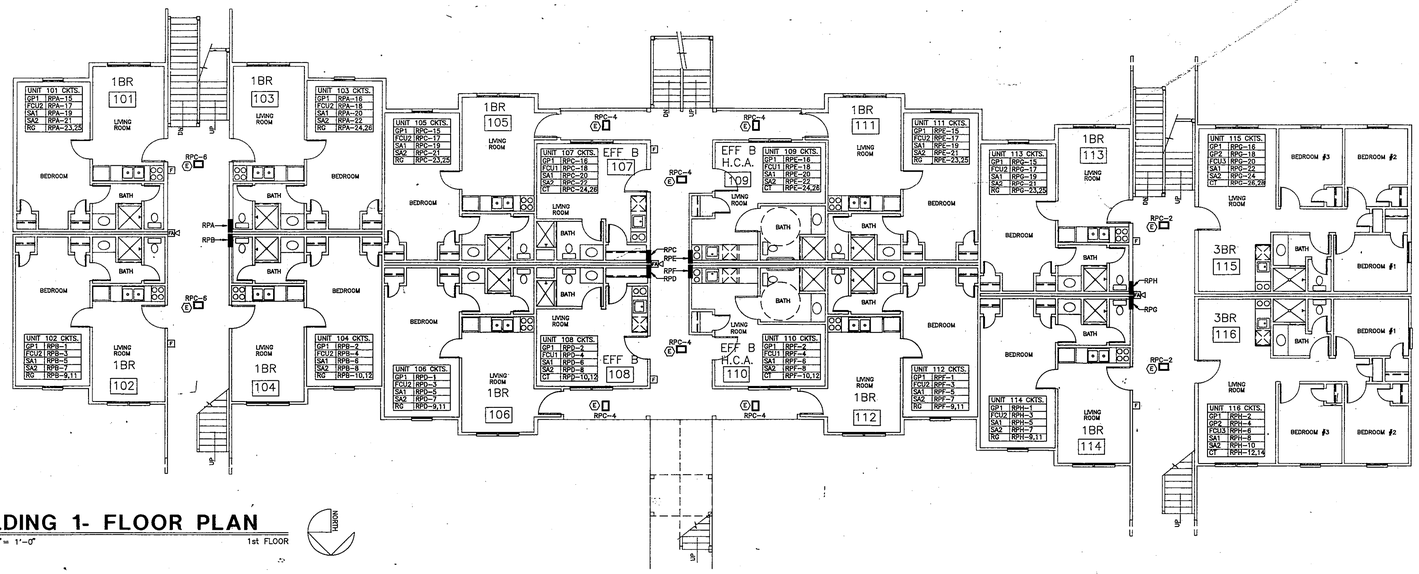
SHEET NUMBER
ES-2



BUILDING 1- FLOOR PLAN

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

BASEMENT LEVEL



BUILDING 1- FLOOR PLAN

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

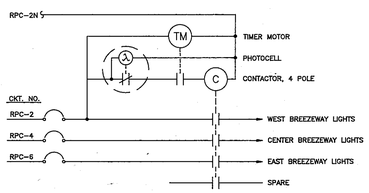
1st FLOOR

GENERAL NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. ALL BRANCH CIRCUIT WIRING SHALL BE #14 AWG(CU.), UNLESS OTHERWISE NOTED.
3. SEE "CIRCUIT DESIGNATION SCHEDULE" ON SHEET EA-15 FOR ADDITIONAL APARTMENT UNIT CIRCUITING INFORMATION.
4. SEE SHEETS EA-15 AND EA-16 FOR ENLARGED ELECTRIC PLANS OF INDIVIDUAL APARTMENTS.
5. SEE SHEET EA-15 FOR "LUMINAIRE SCHEDULE" AND "SYMBOL LEGEND".

DRAWING NOTES:

1. 8'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR TELEPHONE AND COMPUTER EQUIPMENT.
2. 4'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR CABEL TV EQUIPMENT.
3. DISTRUBTION PANELBOARD, 400A,MLO 208Y/120VAC,3PH.,4W. SEE "SERVICE RISER DIAGRAM" ON SHEET ER-20.



BREEZEWAY LIGHTING CONTROL WIRING DIAGRAM

NO SCALE

204226

REVISIONS:

8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

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NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

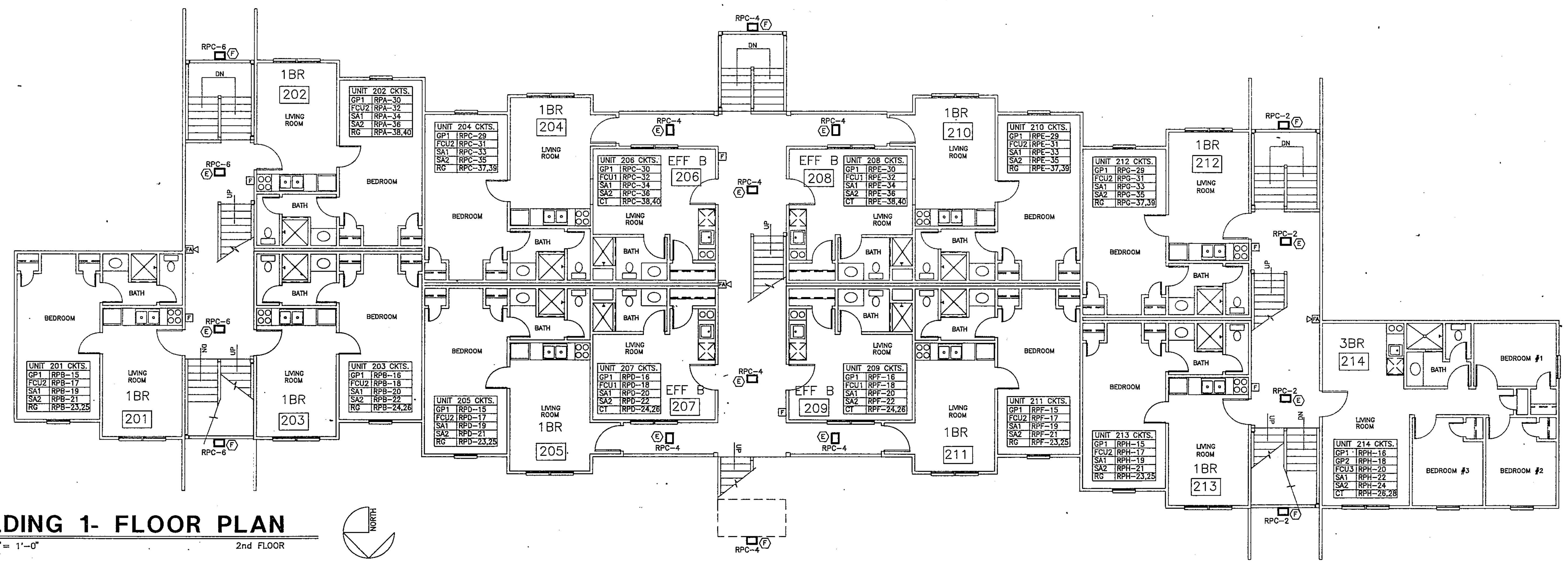
BUILDING 1
FLOORS BSMT & 1
ELECTRICAL
PLANS

JOB NO.	3143
DATE:	8-30-91
DRAWN BY:	DAS
CHECKED:	DSK
PLOT DATE:	10-9-91

SHEET NUMBER

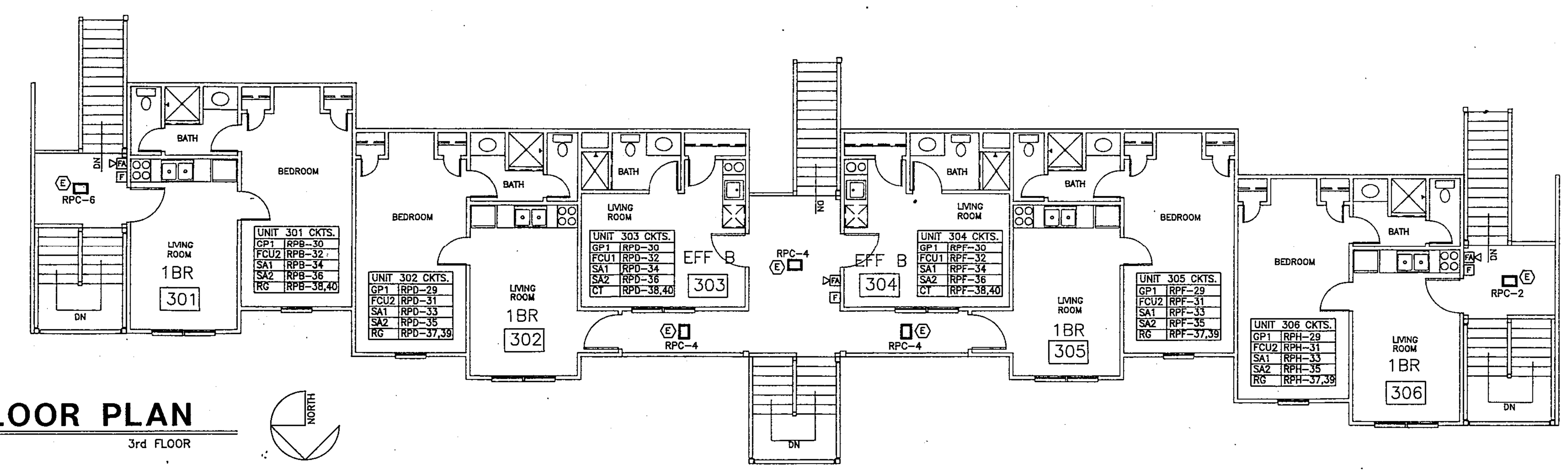
E1-3

TRI F.& R. R.E.A.D.



BUILDING 1- FLOOR PLAN

SCALE: 1/8"= 1'-0" 2nd FLOOR



BUILDING 1- FLOOR PLAN

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

Panel RPA

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
FEED: ☐ TOP ■ BOTTOM — MOUNTING: ■ FLUSH ☐ SURFACE — LUGS: ■ SET SCREW ☐ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480 3PH.,3W. ☐ 480Y/277 3PH.,4W. ☐ 240 3PH.,3W.
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CIR.	LOAD VA	A	B	C	LOAD VA	CIR.	P	TRIP OR FUSE	LOAD
GP1 UNIT #001	15	1	1	1261				1261	2	1	15	GP1 UNIT #002
FCU2 UNIT #001	15	1	3	156				156	4	1	15	FCU2 UNIT #002
SA1 UNIT #001	20	1	5	1500				1500	6	1	20	SA1 UNIT #002
SA2 UNIT #001	20	1	7	1500				1500	8	1	20	SA2 UNIT #002
RG UNIT #001	60	2	9	4500				4500	10	2	60	RG UNIT #002
↓ ↓ ↓	—	–	11	4500				4500	12	–	—	↓ ↓ ↓
SPACE			13						14			SPACE
GP1 UNIT #101	15	1	15	1261				1261	16	1	15	GP1 UNIT #103
FCU2 UNIT #101	15	1	17	156				156	18	1	15	FCU2 UNIT #103
SA1 UNIT #101	20	1	19	1500				1500	20	1	20	SA1 UNIT #103
SA2 UNIT #101	20	1	21	1500				1500	22	1	20	SA2 UNIT #103
RG UNIT #101	60	2	23	4500				4500	24	2	60	RG UNIT #103
↓ ↓ ↓	—	–	25	4500				4500	26	–	—	↓ ↓ ↓
			27						28			SPACE
			29					1261	30	1	15	GP1 UNIT #202
			31					156	32	1	15	FCU2 UNIT #202
			33					1500	34	1	20	SA1 UNIT #202
			35					1500	36	1	20	SA2 UNIT #202
			37					4500	38	2	60	RG UNIT #202
			39					4500	40	–	—	↓ ↓ ↓
			41						42			SPACE

JOB: NKU BUILDING No.1
PANEL No. RPA
DATE:

Panel RPB

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
FEED: ☐ TOP ■ BOTTOM — MOUNTING: ■ FLUSH ☐ SURFACE — LUGS: ■ SET SCREW ☐ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480 3PH.,3W. ☐ 480Y/277 3PH.,4W. ☐ 240 3PH.,3W.
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CIR.	LOAD VA	A	B	C	LOAD VA	CIR.	P	TRIP OR FUSE	LOAD
GP1 UNIT #102	15	1	1	1261				1261	2	1	15	GP1 UNIT #104
FCU2 UNIT #102	15	1	3	156				156	4	1	15	FCU2 UNIT #104
SA1 UNIT #102	20	1	5	1500				1500	6	1	20	SA1 UNIT #104
SA2 UNIT #102	20	1	7	1500				1500	8	1	20	SA2 UNIT #104
RG UNIT #102	60	2	9	4500				4500	10	2	60	RG UNIT #104
↓ ↓ ↓	—	–	11	4500				4500	12	–	—	↓ ↓ ↓
SPACE			13						14			SPACE
GP1 UNIT #201	15	1	15	1261				1261	16	1	15	GP1 UNIT #203
FCU2 UNIT #201	15	1	17	156				156	18	1	15	FCU2 UNIT #203
SA1 UNIT #201	20	1	19	1500				1500	20	1	20	SA1 UNIT #203
SA2 UNIT #201	20	1	21	1500				1500	22	1	20	SA2 UNIT #203
RG UNIT #201	60	2	23	4500				4500	24	2	60	RG UNIT #203
↓ ↓ ↓	—	–	25	4500				4500	26	–	—	↓ ↓ ↓
			27						28			SPACE
			29					1261	30	1	15	GP1 UNIT #301
			31					156	32	1	15	FCU2 UNIT #301
			33					1500	34	1	20	SA1 UNIT #301
			35					1500	36	1	20	SA2 UNIT #301
			37					4500	38	2	60	RG UNIT #301
			39					4500	40	–	—	↓ ↓ ↓
			41						42			SPACE

JOB: NKU BUILDING No.1
PANEL No. RPB
DATE:

Panel RPC

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
FEED: ☐ TOP ■ BOTTOM — MOUNTING: ■ FLUSH ☐ SURFACE — LUGS: ■ SET SCREW ☐ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480 3PH.,3W. ☐ 480Y/277 3PH.,4W. ☐ 240 3PH.,3W.
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CIR.	LOAD VA	A	B	C	LOAD VA	CIR.	P	TRIP OR FUSE	LOAD
GP1 UNIT #003	15	1	1	1261				520	2	1	15	WEST BZWAY LIGHTS
FCU2 UNIT #003	15	1	3	156				1300	4	1	15	CENTR BZWAY LIGHTS
SA1 UNIT #003	20	1	5	1500				520	6	1	15	EAST BZWAY LIGHTS
SA2 UNIT #003	20	1	7	1500				1552	8	1	20	STORAGE RM LGTS
RG UNIT #003	60	2	9	4500				300	10	1	15	TELE/COMP. BOARD
↓ ↓ ↓	—	–	11	4500				300	12	1	15	CCTV BOARD
SPACE		1	13						14			SPACE
GP1 UNIT #105	15	1	15	1261				720	16	1	15	GP1 UNIT #107
FCU2 UNIT #105	15	1	17	156				108	18	1	15	FCU1 UNIT #107
SA1 UNIT #105	20	1	19	1500				1500	20	1	20	SA1 UNIT #107
SA2 UNIT #105	20	1	21	1500				1500	22	1	20	SA2 UNIT #107
RG UNIT #105	60	2	23	4500				1250	24	2	20	CT UNIT #107
↓ ↓ ↓	—	–	25	4500				1250	26	–	—	↓ ↓ ↓
SPACE		1	27						28			SPACE
GP1 UNIT #204	15	1	29	1261				720	30	1	15	GP1 UNIT #206
FCU2 UNIT #204	15	1	31	156				108	32	1	15	FCU1 UNIT #206
SA1 UNIT #204	20	1	33	1500				1500	34	1	20	SA1 UNIT #206
SA2 UNIT #204	20	1	35	1500				1500	36	1	20	SA2 UNIT #206
RG UNIT #204	60	2	37	4500				1250	38	2	20	CT UNIT #206
↓ ↓ ↓	—	–	39	4500				1250	40	–	—	↓ ↓ ↓
SPACE		1	41						42	1		SPACE

JOB: NKU BUILDING No.1
PANEL No. RPC
DATE:

Panel RPD

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
FEED: ☐ TOP ■ BOTTOM — MOUNTING: ■ FLUSH ☐ SURFACE — LUGS: ■ SET SCREW ☐ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480 3PH.,3W. ☐ 480Y/277 3PH.,4W. ☐ 240 3PH.,3W.
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CIR.	LOAD VA	A	B	C	LOAD VA	CIR.	P	TRIP OR FUSE	LOAD
GP1 UNIT #106	15	1	1	1261				720	2	1	15	GP1 UNIT #108
FCU2 UNIT #106	15	1	3	156				108	4	1	15	FCU1 UNIT #108
SA1 UNIT #106	20	1	5	1500				1500	6	1	20	SA1 UNIT #108
SA2 UNIT #106	20	1	7	1500				1500	8	1	20	SA2 UNIT #108
RG UNIT #106	60	2	9	4500				1250	10	2	20	CT UNIT #108
↓ ↓ ↓	—	–	11	4500				1250	12	–	—	↓ ↓ ↓
SPACE			13						14			SPACE
GP1 UNIT #208	15	1	15	1261				720	16	1	15	GP1 UNIT #207
FCU2 UNIT #208	15	1	17	156				108	18	1	15	FCU1 UNIT #207
SA1 UNIT #208	20	1	19	1500				1500	20	1	20	SA1 UNIT #207
SA2 UNIT #208	20	1	21	1500				1500	22	1	20	SA2 UNIT #207
RG UNIT #208	60	2	23	4500				1250	24	2	20	CT UNIT #207
↓ ↓ ↓	—	–	25	4500				1250	26	–	—	↓ ↓ ↓
SPACE			27						28			SPACE
GP1 UNIT #302	15	1	29	1261				720	30	1	15	GP1 UNIT #303
FCU2 UNIT #302	15	1	31	156				108	32	1	15	FCU1 UNIT #303
SA1 UNIT #302	20	1	33	1500				1500	34	1	20	SA1 UNIT #303
SA2 UNIT #302	20	1	35	1500				1500	36	1	20	SA2 UNIT #303
RG UNIT #302	60	2	37	4500				1250	38	2	20	CT UNIT #303
↓ ↓ ↓	—	–	39	4500				1250	40	–	—	↓ ↓ ↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.1
PANEL No. RPD
DATE:

Panel RPE

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
FEED: ☐ TOP ■ BOTTOM — MOUNTING: ■ FLUSH ☐ SURFACE — LUGS: ■ SET SCREW ☐ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480 3PH.,3W. ☐ 480Y/277 3PH.,4W. ☐ 240 3PH.,3W.
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CIR.	LOAD VA	A	B	C	LOAD VA	CIR.	P	TRIP OR FUSE	LOAD
GP1 UNIT #004	15	1	1	1261					2			
FCU2 UNIT #004	15	1	3	156					4			
SA1 UNIT #004	20	1	5	1500					6			
SA2 UNIT #004	20	1	7	1500					8			
RG UNIT #004	60	2	9	4500					10			
↓ ↓ ↓	—	–	11	4500					12			
SPACE			13						14			
GP1 UNIT #111	15	1	15	1261				720	16	1	15	GP1 UNIT #109
FCU2 UNIT #111	15	1	17	156				108	18	1	15	FCU1 UNIT #109
SA1 UNIT #111	20	1	19	1500				1500	20	1	20	SA1 UNIT #109
SA2 UNIT #111	20	1	21	1500				1500	22	1	20	SA2 UNIT #109
RG UNIT #111	60	2	23	4500				1250	24	2	20	CT UNIT #109
↓ ↓ ↓	—	–	25	4500				1250	26	–	—	↓ ↓ ↓
SPACE			27						28			SPACE
GP1 UNIT #210	15	1	29	1261				720	30	1	15	GP1 UNIT #208
FCU2 UNIT #210	15	1	31	156				108	32	1	15	FCU1 UNIT #208
SA1 UNIT #210	20	1	33	1500				1500	34	1	20	SA1 UNIT #208
SA2 UNIT #210	20	1	35	1500				1500	36	1	20	SA2 UNIT #208
RG UNIT #210	60	2	37	4500				1250	38	2	20	CT UNIT #208
↓ ↓ ↓	—	–	39	4500				1250	40	–	—	↓ ↓ ↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.1
PANEL No. RPE
DATE:

Panel RPF

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
FEED: ☐ TOP ■ BOTTOM — MOUNTING: ■ FLUSH ☐ SURFACE — LUGS: ■ SET SCREW ☐ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480 3PH.,3W. ☐ 480Y/277 3PH.,4W. ☐ 240 3PH.,3W.
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CIR.	LOAD VA	A	B	C	LOAD VA	CIR.	P	TRIP OR FUSE	LOAD
GP1 UNIT #112	15	1	1	1261				720	2	1	15	GP1 UNIT #110
FCU2 UNIT #112	15	1	3	156				108	4	1	15	FCU1 UNIT #110
SA1 UNIT #112	20	1	5	1500				1500	6	1	20	SA1 UNIT #110
SA2 UNIT #112	20	1	7	1500				1500	8	1	20	SA2 UNIT #110
RG UNIT #112	60	2	9	4500				1250	10	2	20	CT UNIT #110
↓ ↓ ↓	—	–	11	4500				1250	12	–	—	↓ ↓ ↓
SPACE			13						14			SPACE
GP1 UNIT #211	15	1	15	1261				720	16	1	15	GP1 UNIT #209
FCU2 UNIT #211	15	1	17	156				108	18	1	15	FCU1 UNIT #209
SA1 UNIT #211	20	1	19	1500				1500	20	1	20	SA1 UNIT #209
SA2 UNIT #211	20	1	21	1500				1500	22	1	20	SA2 UNIT #209
RG UNIT #211	60	2	23	4500				1250	24	2	20	CT UNIT #209
↓ ↓ ↓	—	–	25	4500				1250	26	–	—	↓ ↓ ↓
SPACE			27						28			SPACE
GP1 UNIT #305	15	1	29	1261				720	30	1	15	GP1 UNIT #304
FCU2 UNIT #305	15	1	31	156				108	32	1	15	FCU1 UNIT #304
SA1 UNIT #305	20	1	33	1500				1500	34	1	20	SA1 UNIT #304
SA2 UNIT #305	20	1	35	1500				1500	36	1	20	SA2 UNIT #304
RG UNIT #305	60	2	37	4500				1250	38	2	20	CT UNIT #304
↓ ↓ ↓	—	–	39	4500				1250	40	–	—	↓ ↓ ↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.1
PANEL No. RPF
DATE:

Panel RPG

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
FEED: ☐ TOP ■ BOTTOM — MOUNTING: ■ FLUSH ☐ SURFACE — LUGS: ■ SET SCREW ☐ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480 3PH.,3W. ☐ 480Y/277 3PH.,4W. ☐ 240 3PH.,3W.
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CIR.	LOAD VA	A	B	C	LOAD VA	CIR.	P	TRIP OR FUSE	LOAD
GP1 UNIT #005	15	1	1	1261				926	2	1	15	GP1 UNIT #006
FCU2 UNIT #005	15	1	3	156				926	4	1	15	GP2 UNIT #006
SA1 UNIT #005	20	1	5	1500				222	6	1	15	FCU3 UNIT #006
SA2 UNIT #005	20	1	7	1500				1500	8	1	20	SA1 UNIT #006
RG UNIT #005	60	2	9	4500				1500	10	1	20	SA2 UNIT #006
↓ ↓ ↓	—	–	11	4500				1250	12	2	20	CT UNIT #006
SPACE			13					1250	14	–	—	↓ ↓ ↓
GP1 UNIT #113	15	1	15	1261				926	16	1	15	GP1 UNIT #115
FCU2 UNIT #113	15	1	17	156				926	18	1	15	GP2 UNIT #115
SA1 UNIT #113	20	1	19	1500				222	20	1	15	FCU3 UNIT #115
SA2 UNIT #113	20	1	21	1500				1500	22	1	20	SA1 UNIT #115
RG UNIT #113	60	2	23	4500				1500	24	1	20	SA2 UNIT #115
↓ ↓ ↓	—	–	25	4500				1250	26	2	20	CT UNIT #115
SPACE			27					1250	28	–	—	↓ ↓ ↓
GP1 UNIT #212	15	1	29	1261					30			
FCU2 UNIT #212	15	1	31	156					32			
SA1 UNIT #212	20	1	33	1500					34			
SA2 UNIT #212	20	1	35	1500					36			
RG UNIT #212	60	2	37	4500					38			
↓ ↓ ↓	—	–	39	4500					40			
SPACE			41						42			

JOB: NKU BUILDING No.1
PANEL No. RPG
DATE:

Panel RPH

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
FEED: ☐ TOP ■ BOTTOM — MOUNTING: ■ FLUSH ☐ SURFACE — LUGS: ■ SET SCREW ☐ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480 3PH.,3W. ☐ 480Y/277 3PH.,4W. ☐ 240 3PH.,3W.
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CIR.	LOAD VA	A	B	C	LOAD VA	CIR.	P	TRIP OR FUSE	LOAD
GP1 UNIT #114	15	1	1	1261				926	2	1	15	GP1 UNIT #116
FCU2 UNIT #114	15	1	3	156				926	4	1	15	GP2 UNIT #116
SA1 UNIT #114	20	1	5	1500				222	6	1	15	FCU3 UNIT #116
SA2 UNIT #114	20	1	7	1500				1500	8	1	20	SA1 UNIT #116
RG UNIT #114	60	2	9	4500				1500	10	1	20	SA2 UNIT #116
↓ ↓ ↓	—	–	11	4500				1250	12	2	20	CT UNIT #116
SPACE			13					1250	14	–	—	↓ ↓ ↓
GP1 UNIT #213	15	1	15	1261				926	16	1	15	GP1 UNIT #214
FCU2 UNIT #213	15	1	17	156				926	18	1	15	GP2 UNIT #214
SA1 UNIT #213	20	1	19	1500				222	20	1	15	FCU3 UNIT #214
SA2 UNIT #213	20	1	21	1500				1500	22	1	20	SA1 UNIT #214
RG UNIT #213	60	2	23	4500				1500	24	1	20	SA2 UNIT #214
↓ ↓ ↓	—	–	25	4500				1250	26	2	20	CT UNIT #214
SPACE			27					1250	28	–	—	↓ ↓ ↓
GP1 UNIT #306	15	1	29	1261					30			
FCU2 UNIT #306	15	1	31	156					32			
SA1 UNIT #306	20	1	33	1500					34			
SA2 UNIT #306	20	1	35	1500					36			
RG UNIT #306	60	2	37	4500					38			
↓ ↓ ↓	—	–	39	4500					40			
SPACE			41						42			

JOB: NKU BUILDING No.1
PANEL No. RPH
DATE:

204227

TRI F.& R. R.E.A.D.

REVISIONS:
8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

RPR — RPR & ASSOCIATES, INC.

Edcom Electrical Design and Construction Managers
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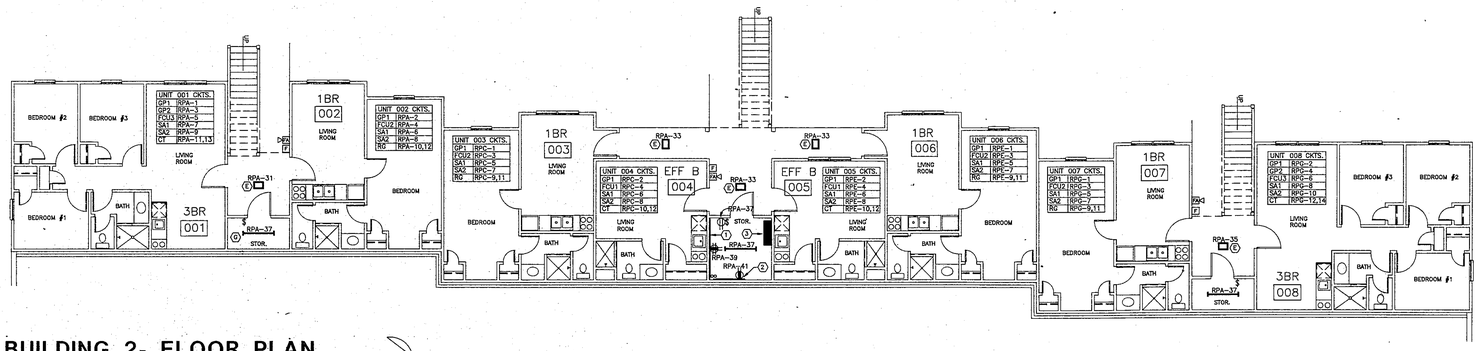
(513) 738-2641

NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

BUILDING 1
FLOORS 2 & 3
ELECTRICAL
PLANS

JOB NO.	3143
DATE:	8-30-91
DRAWN BY:	DAS
CHECKED:	DSK
PLOT DATE:	10-9-91

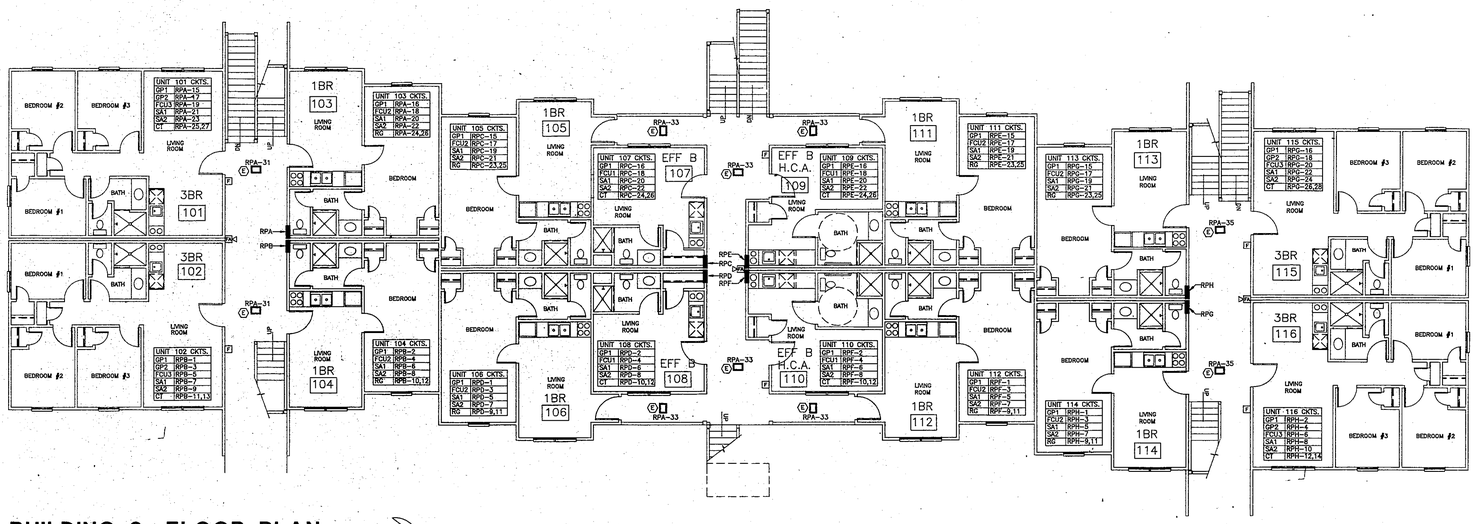
SHEET NUMBER
E1-4



BUILDING 2- FLOOR PLAN

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

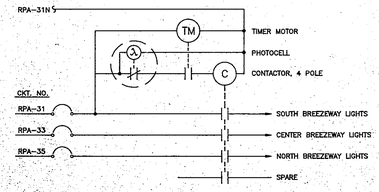
NORTH



BUILDING 2- FLOOR PLAN

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

NORTH



BREEZEWAY LIGHTING CONTROL WIRING DIAGRAM

NO SCALE

GENERAL NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. ALL BRANCH CIRCUIT WIRING SHALL BE #14 AWG(CU.), UNLESS OTHERWISE NOTED.
3. SEE "CIRCUIT DESIGNATION SCHEDULE" ON SHEET EA-15 FOR ADDITIONAL APARTMENT UNIT CIRCUITING INFORMATION.
4. SEE SHEETS EA-15 AND EA-16 FOR ENLARGED ELECTRIC PLANS OF INDIVIDUAL APARTMENTS.
5. SEE SHEET EA-15 FOR "LUMINAIRE SCHEDULE" AND "SYMBOL LEGEND".

DRAWING NOTES:

1. 8'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR TELEPHONE AND COMPUTER EQUIPMENT.
2. 4'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR CABEL TV EQUIPMENT.
3. DISTRUBTION PANELBOARD, DP-SYCAMORE, 400A, 208Y/120VAC, 3PH.,4W. SEE "SERVICE RISER DIAGRAM" ON SHEET ER-20.

204223

TRI F.& R. R.E.A.D.

REVISIONS:

8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

RPR

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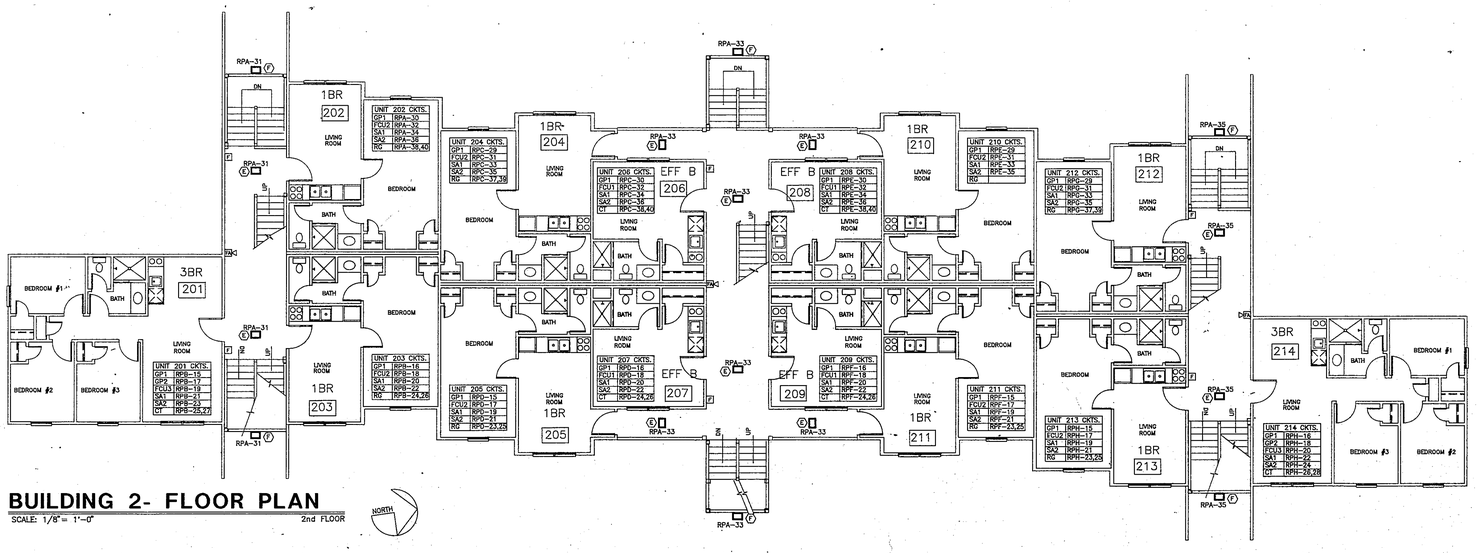
NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

BUILDING 2
FLOORS BSM'T & 1
ELECTRICAL
PLANS

JOB NO.	3143
DATE:	8-30-91
DRAWN BY:	DAS
CHECKED:	DSK
PLOT DATE:	10-9-91

SHEET NUMBER

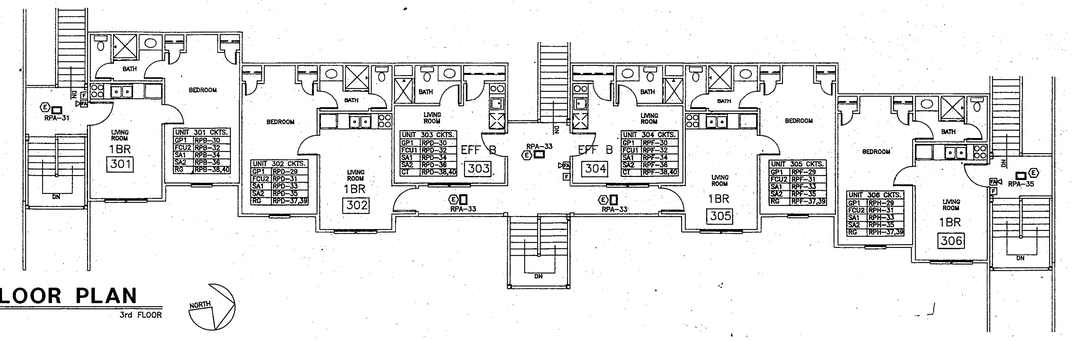
E2-5



BUILDING 2- FLOOR PLAN

SCALE: 1/8"= 1'-0" — 2nd FLOOR

NORTH



BUILDING 2- FLOOR PLAN

SCALE: 1/8"= 1'-0" — 3rd FLOOR

NORTH

MAIN LUGS ONLY 225 A. — MAIN BREAKER ____ A.
FEED: TOP / BOTTOM — MOUNTING: FLUSH / SURFACE — LUGS: SET SCREW / COMPRESSION
SERVICE: 208Y/120 3PH.4W. / 480Y/277 3PH.4W. / 480 3PH.3W. / 240 3PH.3W.
GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #001	15	1	1	928				1281	2	1	15	GP1 UNIT #002
GP2 UNIT #001	15	1	3	928				156	4	1	15	FCU2 UNIT #002
FCU3 UNIT #001	15	1	5	222				1500	6	1	20	SA1 UNIT #002
SA1 UNIT #001	20	1	7	1500				1500	8	1	20	SA2 UNIT #002
SA2 UNIT #001	20	1	9	1500				4500	10	2	60	RG UNIT #002
CT UNIT #001	20	2	11	1250				4500	12	—	—	—
— —	—	—	13	1250					14			SPACE
GP1 UNIT #101	15	1	15	928				1281	16	1	15	GP1 UNIT #103
GP2 UNIT #101	15	1	17	928				156	18	1	15	FCU2 UNIT #103
FCU3 UNIT #101	15	1	19	222				1500	20	1	20	SA1 UNIT #103
SA1 UNIT #101	20	1	21	1500				1500	22	1	20	SA2 UNIT #103
SA2 UNIT #101	20	1	23	1500				4500	24	2	60	RG UNIT #103
CT UNIT #101	20	2	25	1250				4500	26	—	—	—
— —	—	—	27	1250					28			SPACE
				SW				1281	30	1	15	GP1 UNIT #202
SOUTH BDWAY LGHTS	15	1	31	520				156	32	1	15	FCU2 UNIT #202
CENTER BDWAY LGTS	15	1	33	1300				1500	34	1	20	SA1 UNIT #202
NORTH BDWAY LGHTS	15	1	35	520				1500	36	1	20	SA2 UNIT #202
STORAGE RM. LGHTS	15	1	37	1004				4500	38	2	60	RG UNIT #202
TELE/COMP. BOARD	15	1	39	300				4500	40	—	—	—
CCTV BOARD	15	1	41	300				42				SPACE

JOB: NKU BUILDING No.2
PANEL No. RPA
DATE:

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #102	15	1	1	928				1281	2	1	15	GP1 UNIT #104
GP2 UNIT #102	15	1	3	928				156	4	1	15	FCU2 UNIT #104
FCU3 UNIT #102	15	1	5	222				1500	6	1	20	SA1 UNIT #104
SA1 UNIT #102	20	1	7	1500				1500	8	1	20	SA2 UNIT #104
SA2 UNIT #102	20	1	9	1500				4500	10	2	60	RG UNIT #104
CT UNIT #102	20	2	11	1250				4500	12	—	—	—
— —	—	—	13	1250					14			SPACE
GP1 UNIT #201	15	1	15	928				1281	16	1	15	GP1 UNIT #203
GP2 UNIT #201	15	1	17	928				156	18	1	15	FCU2 UNIT #203
FCU3 UNIT #201	15	1	19	222				1500	20	1	20	SA1 UNIT #203
SA1 UNIT #201	20	1	21	1500				1500	22	1	20	SA2 UNIT #203
SA2 UNIT #201	20	1	23	1500				4500	24	2	60	RG UNIT #203
CT UNIT #201	20	2	25	1250				4500	26	—	—	—
— —	—	—	27	1250					28			SPACE
			29					1281	30	1	15	GP1 UNIT #201
			31					156	32	1	15	FCU2 UNIT #201
			33					1500	34	1	20	SA1 UNIT #201
			35					1500	36	1	20	SA2 UNIT #201
			37					4500	38	2	60	RG UNIT #201
			39					4500	40	—	—	—
			41					42				SPACE

JOB: NKU BUILDING No.2
PANEL No. RPB
DATE:

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #003	15	1	1	1281				720	2	1	15	GP1 UNIT #004
FCU2 UNIT #003	15	1	3	156				108	4	1	15	FCU1 UNIT #004
SA1 UNIT #003	20	1	5	1500				1500	6	1	20	SA1 UNIT #004
SA2 UNIT #003	20	1	7	1500				1500	8	1	20	SA2 UNIT #004
RG UNIT #003	60	2	9	4500				1250	10	2	20	CT UNIT #004
— —	—	—	11	4500				1250	12	—	—	—
SPACE			13						14			SPACE
GP1 UNIT #105	15	1	15	1281				720	16	1	15	GP1 UNIT #107
FCU2 UNIT #105	15	1	17	156				108	18	1	15	FCU1 UNIT #107
SA1 UNIT #105	20	1	19	1500				1500	20	1	20	SA1 UNIT #107
SA2 UNIT #105	20	1	21	1500				1500	22	1	20	SA2 UNIT #107
RG UNIT #105	60	2	23	4500				1250	24	2	20	CT UNIT #107
— —	—	—	25	4500				1250	26	—	—	—
SPACE			27						28			SPACE
GP1 UNIT #204	15	1	29	1281				720	30	1	15	GP1 UNIT #206
FCU2 UNIT #204	15	1	31	156				108	32	1	15	FCU1 UNIT #206
SA1 UNIT #204	20	1	33	1500				1500	34	1	20	SA1 UNIT #206
SA2 UNIT #204	20	1	35	1500				1500	36	1	20	SA2 UNIT #206
RG UNIT #204	60	2	37	4500				1250	38	2	20	CT UNIT #206
— —	—	—	39	4500				1250	40	—	—	—
SPACE			41					42				SPACE

JOB: NKU BUILDING No.2
PANEL No. RPC
DATE:

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #106	15	1	1	1281				720	2	1	15	GP1 UNIT #108
FCU2 UNIT #106	15	1	3	156				108	4	1	15	FCU1 UNIT #108
SA1 UNIT #106	20	1	5	1500				1500	6	1	20	SA1 UNIT #108
SA2 UNIT #106	20	1	7	1500				1500	8	1	20	SA2 UNIT #108
RG UNIT #106	60	2	9	4500				1250	10	2	20	CT UNIT #108
— —	—	—	11	4500				1250	12	—	—	—
SPACE			13						14			SPACE
GP1 UNIT #205	15	1	15	1281				720	16	1	15	GP1 UNIT #207
FCU2 UNIT #205	15	1	17	156				108	18	1	15	FCU1 UNIT #207
SA1 UNIT #205	20	1	19	1500				1500	20	1	20	SA1 UNIT #207
SA2 UNIT #205	20	1	21	1500				1500	22	1	20	SA2 UNIT #207
RG UNIT #205	60	2	23	4500				1250	24	2	20	CT UNIT #207
— —	—	—	25	4500				1250	26	—	—	—
SPACE			27						28			SPACE
GP1 UNIT #302	15	1	29	1281				720	30	1	15	GP1 UNIT #304
FCU2 UNIT #302	15	1	31	156				108	32	1	15	FCU1 UNIT #304
SA1 UNIT #302	20	1	33	1500				1500	34	1	20	SA1 UNIT #304
SA2 UNIT #302	20	1	35	1500				1500	36	1	20	SA2 UNIT #304
RG UNIT #302	60	2	37	4500				1250	38	2	20	CT UNIT #304
— —	—	—	39	4500				1250	40	—	—	—
SPACE			41					42				SPACE

JOB: NKU BUILDING No.2
PANEL No. RPD
DATE:

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #006	15	1	1	1281				720	2	1	15	GP1 UNIT #008
FCU2 UNIT #006	15	1	3	156				108	4	1	15	FCU1 UNIT #008
SA1 UNIT #006	20	1	5	1500				1500	6	1	20	SA1 UNIT #008
SA2 UNIT #006	20	1	7	1500				1500	8	1	20	SA2 UNIT #008
RG UNIT #006	60	2	9	4500				1250	10	2	20	CT UNIT #008
— —	—	—	11	4500				1250	12	—	—	—
SPACE			13						14			SPACE
GP1 UNIT #111	15	1	15	1281				720	16	1	15	GP1 UNIT #109
FCU2 UNIT #111	15	1	17	156				108	18	1	15	FCU1 UNIT #109
SA1 UNIT #111	20	1	19	1500				1500	20	1	20	SA1 UNIT #109
SA2 UNIT #111	20	1	21	1500				1500	22	1	20	SA2 UNIT #109
RG UNIT #111	60	2	23	4500				1250	24	2	20	CT UNIT #109
— —	—	—	25	4500				1250	26	—	—	—
SPACE			27						28			SPACE
GP1 UNIT #210	15	1	29	1281				720	30	1	15	GP1 UNIT #208
FCU2 UNIT #210	15	1	31	156				108	32	1	15	FCU1 UNIT #208
SA1 UNIT #210	20	1	33	1500				1500	34	1	20	SA1 UNIT #208
SA2 UNIT #210	20	1	35	1500				1500	36	1	20	SA2 UNIT #208
RG UNIT #210	60	2	37	4500				1250	38	2	20	CT UNIT #208
— —	—	—	39	4500				1250	40	—	—	—
SPACE			41					42				SPACE

JOB: NKU BUILDING No.2
PANEL No. RPE
DATE:

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #112	15	1	1	1281				801	2	1	15	GP1 UNIT #110
FCU2 UNIT #112	15	1	3	156				108	4	1	15	FCU1 UNIT #110
SA1 UNIT #112	20	1	5	1500				1500	6	1	20	SA1 UNIT #110
SA2 UNIT #112	20	1	7	1500				1500	8	1	20	SA2 UNIT #110
RG UNIT #112	60	2	9	4500				1250	10	2	20	CT UNIT #110
— —	—	—	11	4500				1250	12	—	—	—
SPACE			13						14			SPACE
GP1 UNIT #211	15	1	15	1281				720	16	1	15	GP1 UNIT #209
FCU2 UNIT #211	15	1	17	156				108	18	1	15	FCU1 UNIT #209
SA1 UNIT #211	20	1	19	1500				1500	20	1	20	SA1 UNIT #209
SA2 UNIT #211	20	1	21	1500				1500	22	1	20	SA2 UNIT #209
RG UNIT #211	60	2	23	4500				1250	24	2	20	CT UNIT #209
— —	—	—	25	4500				1250	26	—	—	—
SPACE			27						28			SPACE
GP1 UNIT #305	15	1	29	1281				720	30	1	15	GP1 UNIT #303
FCU2 UNIT #305	15	1	31	156				108	32	1	15	FCU1 UNIT #303
SA1 UNIT #305	20	1	33	1500				1500	34	1	20	SA1 UNIT #303
SA2 UNIT #305	20	1	35	1500				1500	36	1	20	SA2 UNIT #303
RG UNIT #305	60	2	37	4500				1250	38	2	20	CT UNIT #303
— —	—	—	39	4500				1250	40	—	—	—
SPACE			41					42				SPACE

JOB: NKU BUILDING No.2
PANEL No. RPF
DATE:

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #007	15	1	1	1281				928	2	1	15	GP1 UNIT #008
FCU2 UNIT #007	15	1	3	156				928	4	1	15	GP2 UNIT #008
SA1 UNIT #007	20	1	5	1500				222	6	1	15	FCU3 UNIT #008
SA2 UNIT #007	20	1	7	1500				1500	8	1	20	SA1 UNIT #008
RG UNIT #007	60	2	9	4500				1500	10	1	20	SA2 UNIT #008
— —	—	—	11	4500				1250	12	2	20	CT UNIT #008
SPACE			13					1250	14	—	—	—
GP1 UNIT #113	15	1	15	1281				928	16	1	15	GP1 UNIT #115
FCU2 UNIT #113	15	1	17	156				928	18	1	15	GP2 UNIT #115
SA1 UNIT #113	20	1	19	1500				222	20	1	15	FCU3 UNIT #115
SA2 UNIT #113	20	1	21	1500				1500	22	1	20	SA1 UNIT #115
RG UNIT #113	60	2	23	4500				1500	24	1	20	SA2 UNIT #115
— —	—	—	25	4500				1250	26	2	20	CT UNIT #115
SPACE			27					1250	28	—	—	—
GP1 UNIT #212	15	1	29	1281				928	30	1	15	GP1 UNIT #116
FCU2 UNIT #212	15	1	31	156				928	32	1	15	GP2 UNIT #116
SA1 UNIT #212	20	1	33	1500				222	34	1	15	FCU3 UNIT #116
SA2 UNIT #212	20	1	35	1500				1500	36	1	20	SA1 UNIT #116
RG UNIT #212	60	2	37	4500				1500	38	1	20	SA2 UNIT #116
— —	—	—	39	4500				1250	40	2	20	CT UNIT #116
SPACE			41					1250	42	—	—	—

JOB: NKU BUILDING No.2
PANEL No. RPG
DATE:

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #114	15	1	1	1281				928	2	1	15	GP1 UNIT #116
FCU2 UNIT #114	15	1	3	156				928	4	1	15	GP2 UNIT #116
SA1 UNIT #114	20	1	5	1500				222	6	1	15	FCU3 UNIT #116
SA2 UNIT #114	20	1	7	1500				1500	8	1	20	SA1 UNIT #116
RG UNIT #114	60	2	9	4500				1500	10	1	20	SA2 UNIT #116
— —	—	—	11	4500				1250	12	2	20	CT UNIT #116
SPACE			13					1250	14	—	—	—
GP1 UNIT #213	15	1	15	1281				928	16	1	15	GP1 UNIT #214
FCU2 UNIT #213	15	1	17	156				928	18	1	15	GP2 UNIT #214
SA1 UNIT #213	20	1	19	1500				222	20	1	15	FCU3 UNIT #214
SA2 UNIT #213	20	1	21	1500				1500	22	1	20	SA1 UNIT #214
RG UNIT #213	60	2	23	4500				1500	24	1	20	SA2 UNIT #214
— —	—	—	25	4500				1250	26	2	20	CT UNIT #214
SPACE			27					1250	28	—	—	—
GP1 UNIT #306	15	1	29	1281				928	30	1	15	GP1 UNIT #308
FCU2 UNIT #306	15	1	31	156				928	32	1	15	GP2 UNIT #308
SA1 UNIT #306	20	1	33	1500				222	34	1	15	FCU3 UNIT #308
SA2 UNIT #306	20	1	35	1500				1500	36	1	20	SA1 UNIT #308
RG UNIT #306	60	2	37	4500				1500	38	1	20	SA2 UNIT #308
— —	—	—	39	4500				1250	40	2	20	CT UNIT #308
SPACE			41					1250	42	—	—	—

JOB: NKU BUILDING No.2
PANEL No. RPH
DATE:

204229

TRI F.& R. R.E.A.D.

REVISIONS:
8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

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NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

BUILDING 2
FLOORS 2 & 3
ELECTRICAL
PLANS

JOB NO. 3143
DATE: 8-30-91
DRAWN BY: DAS
CHECKED: DSK
PLOT DATE: 10-9-91

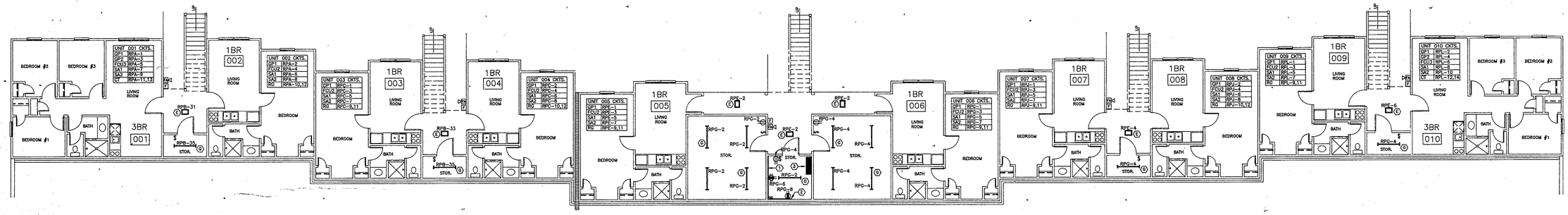
SHEET NUMBER
E2-6

GENERAL NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. ALL BRANCH CIRCUIT WIRING SHALL BE #14 AWG(CU.), UNLESS OTHERWISE NOTED.
3. SEE "CIRCUIT DESIGNATION SCHEDULE" ON SHEET EA-15 FOR ADDITIONAL APARTMENT UNIT CIRCUITING INFORMATION.
4. SEE SHEETS EA-15 AND EA-16 FOR ENLARGED ELECTRIC PLANS OF INDIVIDUAL APARTMENTS.
5. SEE SHEET EA-15 FOR "LUMINAIRE SCHEDULE" AND "SYMBOL LEGEND".

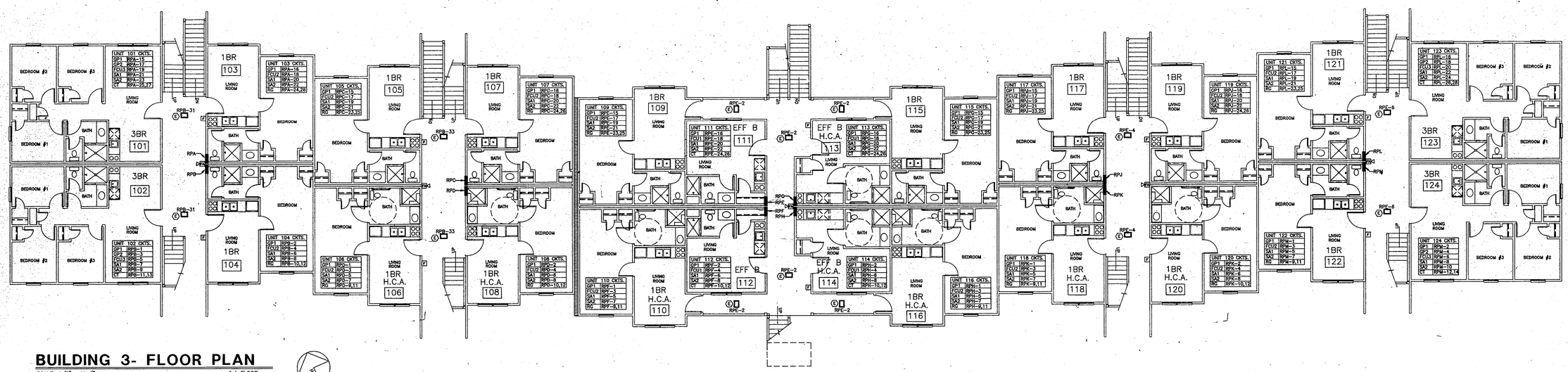
DRAWING NOTES:

1. 8'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR TELEPHONE AND COMPUTER EQUIPMENT.
2. 4'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR CABEL TV EQUIPMENT.
3. DISTRUBTION PANELBOARD, DP-WILLOWS, 600A, 208Y/120VAC, 3PH.,4W. SEE "SERVICE RISER DIAGRAM" ON SHEET ER-20.



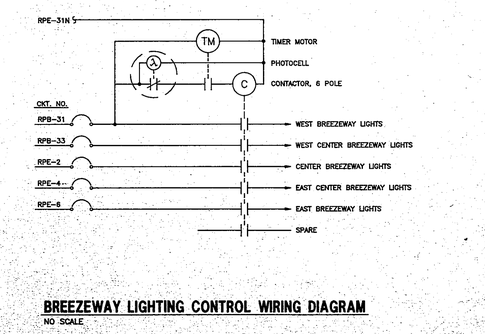
BUILDING 3- FLOOR PLAN

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



BUILDING 3- FLOOR PLAN

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



BREEZEWAY LIGHTING CONTROL WIRING DIAGRAM

NO SCALE

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #001	15	1	1	928				1281	2	1	15	GP1 UNIT #002
GP2 UNIT #001	15	1	3	928				156	4	1	15	FCU2 UNIT #002
FCU3 UNIT #001	15	1	5	222				1500	6	1	20	SA1 UNIT #002
SA1 UNIT #001	20	1	7	1500				1500	8	1	20	SA2 UNIT #002
SA2 UNIT #001	20	1	9	1500				4500	10	2	60	RG UNIT #002
CT UNIT #001	20	2	11	1250				4500	12	—	—	
—	—	—	13	1250				—	14			SPACE
GP1 UNIT #101	15	1	15	928				1281	16	1	15	GP1 UNIT #103
GP2 UNIT #101	15	1	17	928				156	18	1	15	FCU2 UNIT #103
FCU3 UNIT #101	15	1	19	222				1500	20	1	20	SA1 UNIT #103
SA1 UNIT #101	20	1	21	1500				1500	22	1	20	SA2 UNIT #103
SA2 UNIT #101	20	1	23	1500				4500	24	2	60	RG UNIT #103
CT UNIT #101	20	2	25	1250				4500	26	—	—	
—	—	—	27	1250				—	28			SPACE
GP1 UNIT #201	15	1	29	928				1281	30	1	15	GP1 UNIT #203
GP2 UNIT #201	15	1	31	928				156	32	1	15	FCU2 UNIT #203
FCU3 UNIT #201	15	1	33	222				1500	34	1	20	SA1 UNIT #203
SA1 UNIT #201	20	1	35	1500				1500	36	1	20	SA2 UNIT #203
SA2 UNIT #201	20	1	37	1500				4500	38	2	60	RG UNIT #203
CT UNIT #201	20	2	39	1250				4500	40	—	—	
—	—	—	41	1250				—	42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPA
DATE:

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #102	15	1	1	928				1281	2	1	15	GP1 UNIT #104
GP2 UNIT #102	15	1	3	928				156	4	1	15	FCU2 UNIT #104
FCU3 UNIT #102	15	1	5	222				1500	6	1	20	SA1 UNIT #104
SA1 UNIT #102	20	1	7	1500				1500	8	1	20	SA2 UNIT #104
SA2 UNIT #102	20	1	9	1500				4500	10	2	60	RG UNIT #104
CT UNIT #102	20	2	11	1250				4500	12	—	—	
—	—	—	13	1250				—	14			SPACE
GP1 UNIT #202	15	1	15	928				1281	16	1	15	GP1 UNIT #204
GP2 UNIT #202	15	1	17	928				156	18	1	15	FCU2 UNIT #204
FCU3 UNIT #202	15	1	19	222				1500	20	1	20	SA1 UNIT #204
SA1 UNIT #202	20	1	21	1500				1500	22	1	20	SA2 UNIT #204
SA2 UNIT #202	20	1	23	1500				4500	24	2	60	RG UNIT #204
CT UNIT #202	20	2	25	1250				4500	26	—	—	
—	—	—	27	1250				—	28			SPACE
SPACE			29					1281	30	1	15	GP1 UNIT #301
WEST SCWAY LIGHTS	15	1	31	520				156	32	1	15	FCU2 UNIT #301
EAST SCWAY LIGHTS	15	1	33	520				1500	34	1	20	SA1 UNIT #301
W. STORAGE LIGHTS	15	1	35	184				1500	36	1	20	SA2 UNIT #301
—	—	—	37					4500	38	2	60	RG UNIT #301
—	—	—	39					4500	40	—	—	
—	—	—	41					—	42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPB
DATE:

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #003	15	1	1	1281				1281	2	1	15	GP1 UNIT #004
FCU2 UNIT #003	15	1	3	156				156	4	1	15	FCU2 UNIT #004
SA1 UNIT #003	20	1	5	1500				1500	6	1	20	SA1 UNIT #004
SA2 UNIT #003	20	1	7	1500				1500	8	1	20	SA2 UNIT #004
RG UNIT #003	60	2	9	4500				4500	10	2	60	RG UNIT #004
—	—	—	11	4500				4500	12	—	—	
SPACE			13					—	14			SPACE
GP1 UNIT #105	15	1	15	1281				1281	16	1	15	GP1 UNIT #107
FCU2 UNIT #105	15	1	17	156				156	18	1	15	FCU2 UNIT #107
SA1 UNIT #105	20	1	19	1500				1500	20	1	20	SA1 UNIT #107
SA2 UNIT #105	20	1	21	1500				1500	22	1	20	SA2 UNIT #107
RG UNIT #105	60	2	23	4500				4500	24	2	60	RG UNIT #107
—	—	—	25	4500				—	26	—	—	
SPACE			27					—	28			SPACE
GP1 UNIT #205	15	1	29	1281				1281	30	1	15	GP1 UNIT #207
FCU2 UNIT #205	15	1	31	156				156	32	1	15	FCU2 UNIT #207
SA1 UNIT #205	20	1	33	1500				1500	34	1	20	SA1 UNIT #207
SA2 UNIT #205	20	1	35	1500				1500	36	1	20	SA2 UNIT #207
RG UNIT #205	60	2	37	4500				4500	38	2	60	RG UNIT #207
—	—	—	39	4500				4500	40	—	—	
SPACE			41					—	42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPC
DATE:

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #106	15	1	1	1281				1281	2	1	15	GP1 UNIT #108
FCU2 UNIT #106	15	1	3	156				156	4	1	15	FCU2 UNIT #108
SA1 UNIT #106	20	1	5	1500				1500	6	1	20	SA1 UNIT #108
SA2 UNIT #106	20	1	7	1500				1500	8	1	20	SA2 UNIT #108
RG UNIT #106	60	2	9	4500				4500	10	2	60	RG UNIT #108
—	—	—	11	4500				4500	12	—	—	
SPACE			13					—	14			SPACE
GP1 UNIT #206	15	1	15	1281				1281	16	1	15	GP1 UNIT #208
FCU2 UNIT #206	15	1	17	156				156	18	1	15	FCU2 UNIT #208
SA1 UNIT #206	20	1	19	1500				1500	20	1	20	SA1 UNIT #208
SA2 UNIT #206	20	1	21	1500				1500	22	1	20	SA2 UNIT #208
RG UNIT #206	60	2	23	4500				4500	24	2	60	RG UNIT #208
—	—	—	25	4500				4500	26	—	—	
SPACE			27					—	28			SPACE
GP1 UNIT #302	15	1	29	1281				1281	30	1	15	GP1 UNIT #303
FCU2 UNIT #302	15	1	31	156				156	32	1	15	FCU2 UNIT #303
SA1 UNIT #302	20	1	33	1500				1500	34	1	20	SA1 UNIT #303
SA2 UNIT #302	20	1	35	1500				1500	36	1	20	SA2 UNIT #303
RG UNIT #302	60	2	37	4500				4500	38	2	60	RG UNIT #303
—	—	—	39	4500				4500	40	—	—	
SPACE			41					—	42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPD
DATE:

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION. | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #005	15	1	1	1281				1300	2	1	15	CENTER BRDWAY LGTS
FCU2 UNIT #005	15	1	3	156				520	4	1	15	EAST CENTER BRDWY
SA1 UNIT #005	20	1	5	1500				520	6	1	15	EAST BRDWAY LIGHTS
SA2 UNIT #005	20	1	7	1500				1500	8	1		SPACE
RG UNIT #005	60	2	9	4500				—	10			SPACE
—	—	—	11	4500				—	12			SPACE
SPACE			13					—	14			SPACE
GP1 UNIT #109	15	1	15	1281				801	16	1	15	GP1 UNIT #111
FCU2 UNIT #109	15	1	17	156				108	18	1	15	FCU1 UNIT #111
SA1 UNIT #109	20	1	19	1500				1500	20	1	20	SA1 UNIT #111
SA2 UNIT #109	20	1	21	1500				1500	22	1	20	SA2 UNIT #111
RG UNIT #109	60	2	23	4500				1250	24	2	20	CT UNIT #111
—	—	—	25	4500				1250	26	—	—	
SPACE			27					—	28			SPACE
GP1 UNIT #210	15	1	29	1281				720	30	1	15	GP1 UNIT #212
FCU2 UNIT #210	15	1	31	156				108	32	1	15	FCU1 UNIT #212
SA1 UNIT #210	20	1	33	1500				1500	34	1	20	SA1 UNIT #212
SA2 UNIT #210	20	1	35	1500				1500	36	1	20	SA2 UNIT #212
RG UNIT #210	60	2	37	4500				1250	38	2	20	CT UNIT #212
—	—	—	39	4500				1250	40	—	—	
SPACE			41					—	42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPE
DATE:

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #002	15	1	1	1281				801	2	1	15	GP1 UNIT #112
FCU2 UNIT #110	15	1	3	156				108	4	1	15	FCU1 UNIT #112
SA1 UNIT #110	20	1	5	1500				1500	6	1	20	SA1 UNIT #112
SA2 UNIT #110	20	1	7	1500				1500	8	1	20	SA2 UNIT #112
RG UNIT #110	60	2	9	4500				1250	10	2	20	CT UNIT #112
—	—	—	11	4500				1250	12	—	—	
SPACE			13					—	14			SPACE
GP1 UNIT #210	15	1	15	1281				720	16	1	15	GP1 UNIT #212
FCU2 UNIT #210	15	1	17	156				108	18	1	15	FCU1 UNIT #212
SA1 UNIT #210	20	1	19	1500				1500	20	1	20	SA1 UNIT #212
SA2 UNIT #210	20	1	21	1500				1500	22	1	20	SA2 UNIT #212
RG UNIT #210	60	2	23	4500				1250	24	2	20	CT UNIT #212
—	—	—	25	4500				1250	26	—	—	
SPACE			27					—	28			SPACE
GP1 UNIT #302	15	1	29	1281				720	30	1	15	GP1 UNIT #303
FCU2 UNIT #302	15	1	31	156				108	32	1	15	FCU1 UNIT #303
SA1 UNIT #302	20	1	33	1500				1500	34	1	20	SA1 UNIT #303
SA2 UNIT #302	20	1	35	1500				1500	36	1	20	SA2 UNIT #303
RG UNIT #302	60	2	37	4500				1250	38	2	20	CT UNIT #303
—	—	—	39	4500				1250	40	—	—	
SPACE			41					—	42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPF
DATE:

204-30

REVISIONS:

8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

RPR & ASSOCIATES, INC.

dcom Electrical Design and Construction Managers
P.O. Box 309
Fort Thomas, Ohio 45061
(513) 738-2844

NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

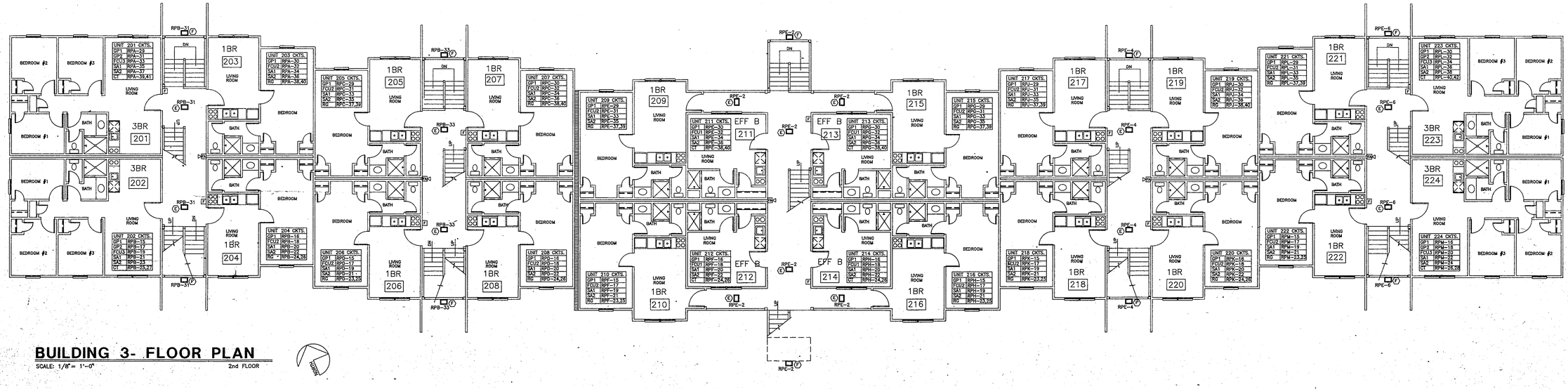
BUILDING 3
FLOORS BSM'T & 1
ELECTRICAL
PLANS

JOB NO. 3143
DATE: 8-30-91
DRAWN BY: DAS
CHECKED: DSK
PLOT DATE: 10-9-91

SHEET NUMBER

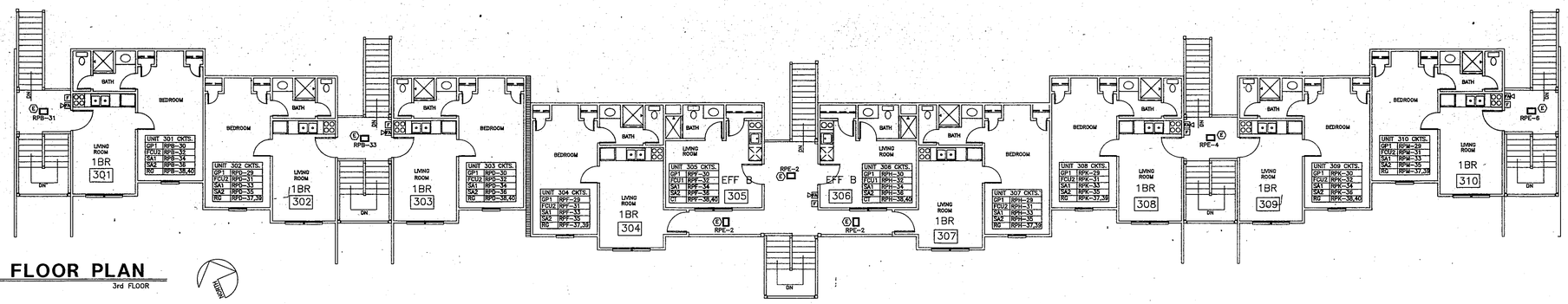
E3-7

TRI F.& R. R.E.A.D.



BUILDING 3- FLOOR PLAN

SCALE: 1/8" = 1'-0" 2nd FLOOR



BUILDING 3- FLOOR PLAN

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

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #206	15	1	1	1281				640	2	1	15	WEST STORAGE LGTS
FCU2 UNIT #206	15	1	3	156				732	4	1	15	EAST STORAGE LGTS
SA1 UNIT #206	20	1	5	1500				300	6	1	15	TILE/COMP. BOARD
SA2 UNIT #206	20	1	7	1500				300	8	1	15	CCTV BOARD
RG UNIT #206	60	2	9	4500					10			
			11	4500					12			
SPACE			13						14			SPACE
GP1 UNIT #115	15	1	15	1281				720	16	1	15	GP1 UNIT #113
FCU2 UNIT #115	15	1	17	156				108	18	1	15	FCU1 UNIT #113
SA1 UNIT #115	20	1	19	1500				1500	20	1	20	SA1 UNIT #113
SA2 UNIT #115	20	1	21	1500				1500	22	1	20	SA2 UNIT #113
RG UNIT #115	60	2	23	4500				1250	24	2	20	CT UNIT #113
			---	4500				1250	26	---		
SPACE			27						28			SPACE
GP1 UNIT #215	15	1	29	1281				720	30	1	15	GP1 UNIT #213
FCU2 UNIT #215	15	1	31	156				108	32	1	15	FCU1 UNIT #213
SA1 UNIT #215	20	1	33	1500				1500	34	1	20	SA1 UNIT #213
SA2 UNIT #215	20	1	35	1500				1500	36	1	20	SA2 UNIT #213
RG UNIT #215	60	2	37	4500				1250	38	2	20	CT UNIT #213
			---	4500				1250	40	---		
SPACE			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPC
DATE:

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #116	15	1	1	1281				720	2	1	15	GP1 UNIT #114
FCU2 UNIT #116	15	1	3	156				732	4	1	15	FCU1 UNIT #114
SA1 UNIT #116	20	1	5	1500				1500	6	1	20	SA1 UNIT #114
SA2 UNIT #116	20	1	7	1500				1500	8	1	20	SA2 UNIT #114
RG UNIT #116	60	2	9	4500				1250	10	2	20	CT UNIT #114
			---	4500				1250	12	---		
SPACE			13						14			SPACE
GP1 UNIT #216	15	1	15	1281				720	16	1	15	GP1 UNIT #214
FCU2 UNIT #216	15	1	17	156				108	18	1	15	FCU1 UNIT #214
SA1 UNIT #216	20	1	19	1500				1500	20	1	20	SA1 UNIT #214
SA2 UNIT #216	20	1	21	1500				1500	22	1	20	SA2 UNIT #214
RG UNIT #216	60	2	23	4500				1250	24	2	20	CT UNIT #214
			---	4500				1250	26	---		
SPACE			27						28			SPACE
GP1 UNIT #305	15	1	29	1281				720	30	1	15	GP1 UNIT #304
FCU2 UNIT #305	15	1	31	156				108	32	1	15	FCU1 UNIT #304
SA1 UNIT #305	20	1	33	1500				1500	34	1	20	SA1 UNIT #304
SA2 UNIT #305	20	1	35	1500				1500	36	1	20	SA2 UNIT #304
RG UNIT #305	60	2	37	4500				1250	38	2	20	CT UNIT #304
			---	4500				1250	40	---		
SPACE			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPU
DATE:

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #007	15	1	1	1281				1281	2	1	15	GP1 UNIT #008
FCU2 UNIT #007	15	1	3	156				156	4	1	15	FCU2 UNIT #008
SA1 UNIT #007	20	1	5	1500				1500	6	1	20	SA1 UNIT #008
SA2 UNIT #007	20	1	7	1500				1500	8	1	20	SA2 UNIT #008
RG UNIT #007	60	2	9	4500				4500	10	2	60	RG UNIT #008
			---	4500				4500	12	---		
SPACE			13						14			SPACE
GP1 UNIT #117	15	1	15	1281				1281	16	1	15	GP1 UNIT #119
FCU2 UNIT #117	15	1	17	156				156	18	1	15	FCU2 UNIT #119
SA1 UNIT #117	20	1	19	1500				1500	20	1	20	SA1 UNIT #119
SA2 UNIT #117	20	1	21	1500				1500	22	1	20	SA2 UNIT #119
RG UNIT #117	60	2	23	4500				4500	24	2	60	RG UNIT #119
			---	4500				4500	26	---		
SPACE			27						28			SPACE
GP1 UNIT #217	15	1	29	1281				1281	30	1	15	GP1 UNIT #219
FCU2 UNIT #217	15	1	31	156				156	32	1	15	FCU2 UNIT #219
SA1 UNIT #217	20	1	33	1500				1500	34	1	20	SA1 UNIT #219
SA2 UNIT #217	20	1	35	1500				1500	36	1	20	SA2 UNIT #219
RG UNIT #217	60	2	37	4500				4500	38	2	60	RG UNIT #219
			---	4500				4500	40	---		
SPACE			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPD
DATE:

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #118	15	1	1	1281				1281	2	1	15	GP1 UNIT #120
FCU2 UNIT #118	15	1	3	156				156	4	1	15	FCU2 UNIT #120
SA1 UNIT #118	20	1	5	1500				1500	6	1	20	SA1 UNIT #120
SA2 UNIT #118	20	1	7	1500				1500	8	1	20	SA2 UNIT #120
RG UNIT #118	60	2	9	4500				4500	10	2	60	RG UNIT #120
			---	4500				4500	12	---		
SPACE			13						14			SPACE
GP1 UNIT #218	15	1	15	1281				1281	16	1	15	GP1 UNIT #220
FCU2 UNIT #218	15	1	17	156				156	18	1	15	FCU2 UNIT #220
SA1 UNIT #218	20	1	19	1500				1500	20	1	20	SA1 UNIT #220
SA2 UNIT #218	20	1	21	1500				1500	22	1	20	SA2 UNIT #220
RG UNIT #218	60	2	23	4500				4500	24	2	60	RG UNIT #220
			---	4500				4500	26	---		
SPACE			27						28			SPACE
GP1 UNIT #308	15	1	29	1281				1281	30	1	15	GP1 UNIT #309
FCU2 UNIT #308	15	1	31	156				156	32	1	15	FCU2 UNIT #309
SA1 UNIT #308	20	1	33	1500				1500	34	1	20	SA1 UNIT #309
SA2 UNIT #308	20	1	35	1500				1500	36	1	20	SA2 UNIT #309
RG UNIT #308	60	2	37	4500				4500	38	2	20	RG UNIT #309
			---	4500				1250	40	2	20	CT UNIT #309
SPACE			41						42	---		

JOB: NKU BUILDING No.3
PANEL No. RPK
DATE:

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #009	15	1	1	1281				928	2	1	15	GP1 UNIT #010
FCU2 UNIT #009	15	1	3	156				928	4	1	15	GP2 UNIT #010
SA1 UNIT #009	20	1	5	1500				222	6	1	15	FCU3 UNIT #010
SA2 UNIT #009	20	1	7	1500				1500	8	1	20	SA1 UNIT #010
RG UNIT #009	60	2	9	4500				1500	10	1	20	SA2 UNIT #010
			---	4500				1250	12	2	20	CT UNIT #010
SPACE			13						14	---		
GP1 UNIT #121	15	1	15	1281				928	16	1	15	GP1 UNIT #123
FCU2 UNIT #121	15	1	17	156				928	18	1	15	GP2 UNIT #123
SA1 UNIT #121	20	1	19	1500				222	20	1	15	FCU3 UNIT #123
SA2 UNIT #121	20	1	21	1500				1500	22	1	20	SA1 UNIT #123
RG UNIT #121	60	2	23	4500				1500	24	1	20	SA2 UNIT #123
			---	4500				1250	26	2	20	CT UNIT #123
SPACE			27					1250	28	---		
GP1 UNIT #221	15	1	29	1281				928	30	1	15	GP1 UNIT #223
FCU2 UNIT #221	15	1	31	156				928	32	1	15	GP2 UNIT #223
SA1 UNIT #221	20	1	33	1500				222	34	1	15	FCU3 UNIT #223
SA2 UNIT #221	20	1	35	1500				1500	36	1	20	SA1 UNIT #223
RG UNIT #221	60	2	37	4500				1500	38	1	20	SA2 UNIT #223
			---	4500				1250	40	2	20	CT UNIT #223
SPACE			41						42	---		

JOB: NKU BUILDING No.3
PANEL No. RPL
DATE:

MAIN LUGS ONLY 225 A. | MAIN BREAKER ____ A. | FEED: TOP / BOTTOM | MOUNTING: FLUSH / SURFACE | LUGS: SET SCREW / COMPRESSION | SERVICE: 208Y/120 3PH,4W. / 480Y/277 3PH,4W. / 480 3PH,3W. / 240 3PH,3W. | GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	Q	LOAD VA	AMPERES A	B	C	LOAD VA	Q	P	TRIP OR FUSE	LOAD
GP1 UNIT #122	15	1	1	1281				928	2	1	15	GP1 UNIT #124
FCU2 UNIT #122	15	1	3	156				928	4	1	15	GP2 UNIT #124
SA1 UNIT #122	20	1	5	1500				222	6	1	15	FCU3 UNIT #124
SA2 UNIT #122	20	1	7	1500				1500	8	1	20	SA1 UNIT #124
RG UNIT #122	60	2	9	4500				1500	10	1	20	SA2 UNIT #124
			---	4500				1250	12	2	20	CT UNIT #124
SPACE			13						14	---		
GP1 UNIT #222	15	1	15	1281				928	16	1	15	GP1 UNIT #224
FCU2 UNIT #222	15	1	17	156				928	18	1	15	GP2 UNIT #224
SA1 UNIT #222	20	1	19	1500				222	20	1	15	FCU3 UNIT #224
SA2 UNIT #222	20	1	21	1500				1500	22	1	20	SA1 UNIT #224
RG UNIT #222	60	2	23	4500				1500	24	1	20	SA2 UNIT #224
			---	4500				1250	26	2	20	CT UNIT #224
SPACE			27					1250	28	---		
GP1 UNIT #310	15	1	29	1281				928	30	1	15	GP1 UNIT #312
FCU2 UNIT #310	15	1	31	156				928	32	1	15	GP2 UNIT #312
SA1 UNIT #310	20	1	33	1500				222	34	1	15	FCU3 UNIT #312
SA2 UNIT #310	20	1	35	1500				1500	36	1	20	SA1 UNIT #312
RG UNIT #310	60	2	37	4500				1500	38	1	20	SA2 UNIT #312
			---	4500				1250	40	2	20	CT UNIT #312
SPACE			41						42	---		

JOB: NKU BUILDING No.3
PANEL No. RPM
DATE:

204231

TRI F.& R. R.E.A.D.

REVISIONS:
8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

RPR
RPR & ASSOCIATES, INC.

Pdcom
Electrical Design and Construction Managers
P.O. Box 308
Ross (Cincinnati), Ohio 45061
(513) 738-2641

NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

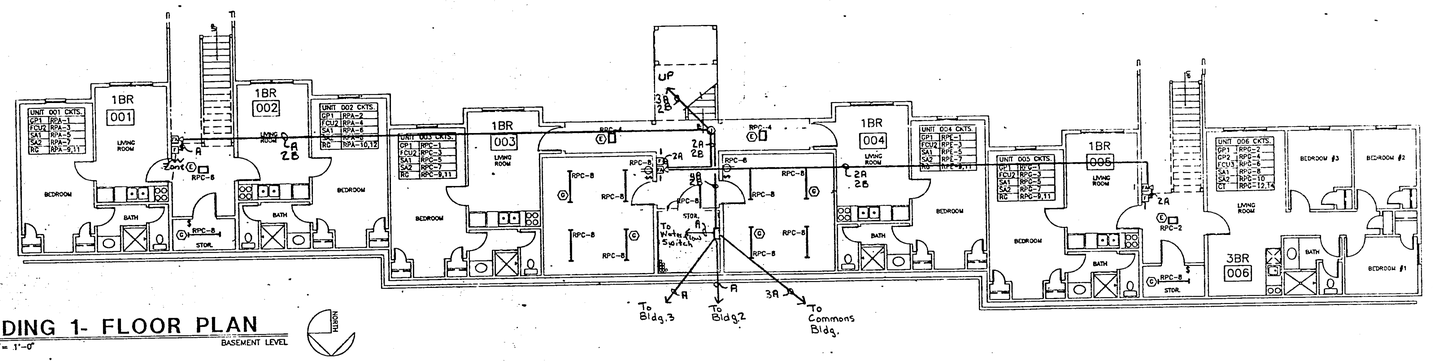
BUILDING 3
FLOORS 2 & 3
ELECTRICAL
PLANS

JOB NO. 3143
DATE: 8-30-91
DRAWN BY: DAS
CHECKED: DSK
PLOT DATE: 10-9-91

SHEET NUMBER
E3-8

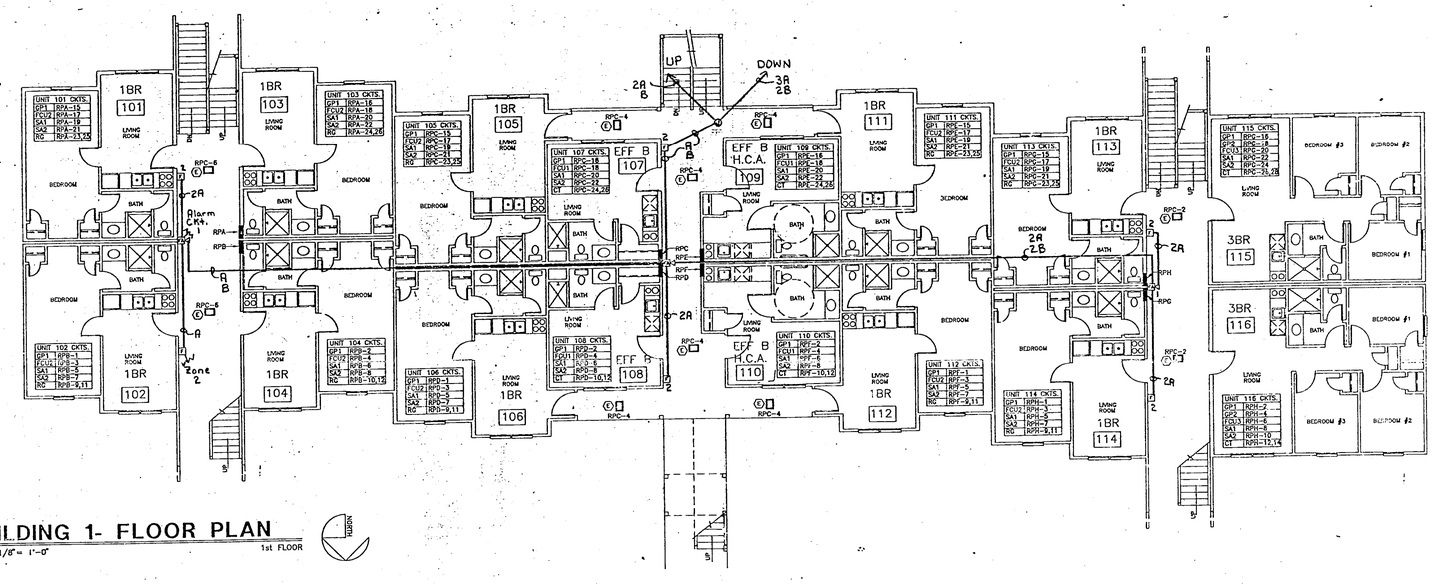
RPR & ASSOCIATES, INC.
RECEIVED
NOV 19 1991
PROJECT #
Orig.
CC:
CC:
CC:
CC: SUPERINTENDENT
CC: T/F

REVISIONS:
8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW



BUILDING 1- FLOOR PLAN

SCALE: 1/8" = 1'-0" — BASEMENT LEVEL



BUILDING 1- FLOOR PLAN

SCALE: 1/8" = 1'-0" — 1st FLOOR

LEGEND

- F — Manual Station - number adjacent ind. cates zone #
- HSA — Horn Strobe
- HD — Heat Detector
- W — Waterflow Switch - By Others
- T — Tamper Switch - By Others
- DS — Duct Smoke Detector - By Others

CABLES

A = 2#18 Zones within Bldgs.
2#12 Zones from Bldgs 1-7 to Commons Bldg.
B = 2#14 Alarm Ckt.
C = 2#14 Smoke Pwr.

NOTES

Please be sure wire conforms with NEC 760.
No AC in Fire Alarm Conduit.
Devices located by Edcom.
Owner must guarantee sufficient sound levels because R.P.B.Co. is unaware of ambient noise levels and room finishes.
Residential smoke detectors in rooms are by others.

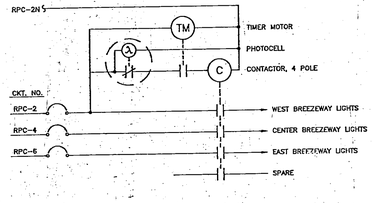
20472?

GENERAL NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. ALL BRANCH CIRCUIT WIRING SHALL BE #14 AWG(CU.), UNLESS OTHERWISE NOTED.
3. SEE "CIRCUIT DESIGNATION SCHEDULE" ON SHEET EA-15 FOR ADDITIONAL APARTMENT UNIT CIRCUITING INFORMATION.
4. SEE SHEETS EA-15 AND EA-16 FOR ENLARGED ELECTRIC PLANS OF INDIVIDUAL APARTMENTS.
5. SEE SHEET EA-15 FOR "LUMINAIRE SCHEDULE" AND "SYMBOL LEGEND".

○ DRAWING NOTES:

1. 8'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR TELEPHONE AND COMPUTER EQUIPMENT.
2. 4'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR CABEL TV EQUIPMENT.
3. DISTRUSTION PANELBOARD, 400A.MLO 208Y/120VAC,3PH.,4W. SEE "SERVICE RISER DIAGRAM" ON SHEET ER-20.



BREEZEWAY LIGHTING CONTROL WIRING DIAGRAM

NO SCALE

NO.	REVISION	DATE	DRAWN BY	DATE
			M.J.M	10-20-91
			CHECKED	DATE
			M.A.B	10-24-91
			DRAWING NO.	
			10209I-1	

State Fire Marshall ID # FAR-128
R.P. BIEDERMAN COMPANY INC.
HAMILTON, OHIO 45012
NKU Residential Village Development
Bldg 1 First and Bsm't
Fire Alarm System

RPR
RPR & ASSOCIATES, INC.

Edcom Electrical Design and Construction Managers
P.O. Box 308
Ross (Cheshire), Ohio 45061
(513) 738-2661

NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

BUILDING 1
FLOORS BSM'T & 1
ELECTRICAL
PLANS

JOB NO.	3143
DATE:	8-30-91
DRAWN BY:	DAS
CHECKED:	DSK
PLOT DATE:	10-9-91

SHEET NUMBER
E1-3

RPR & Associates, Inc.
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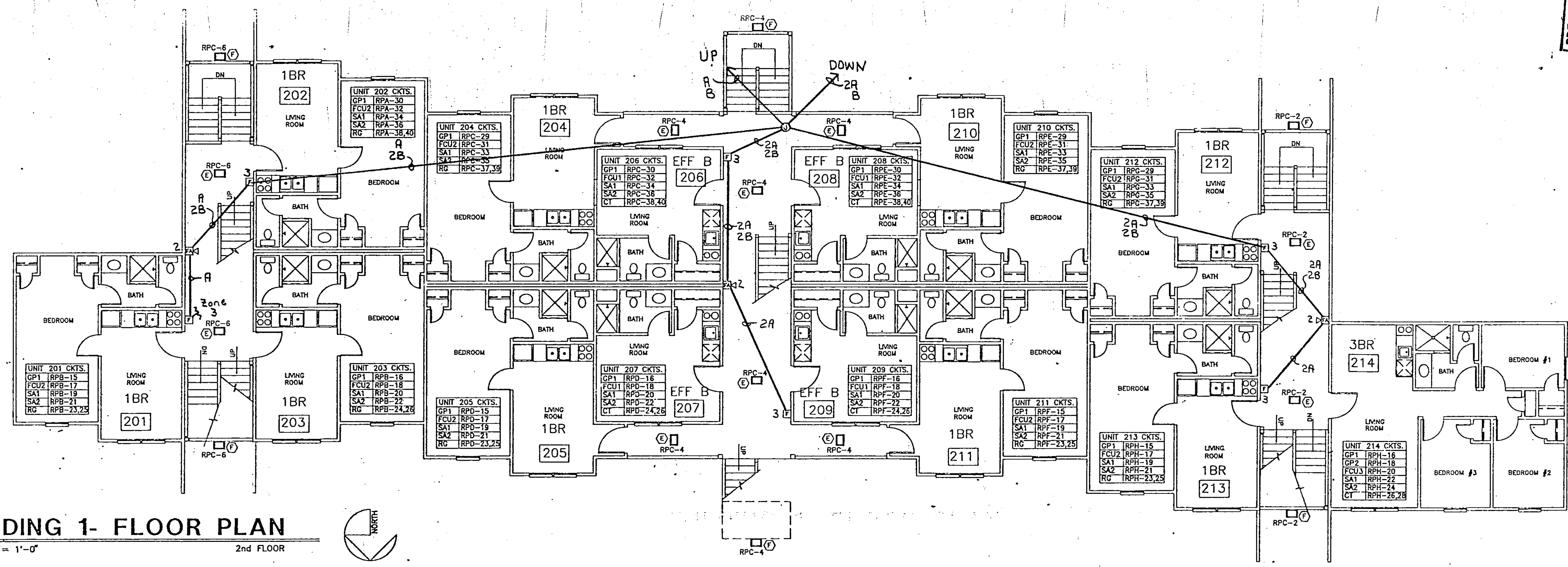
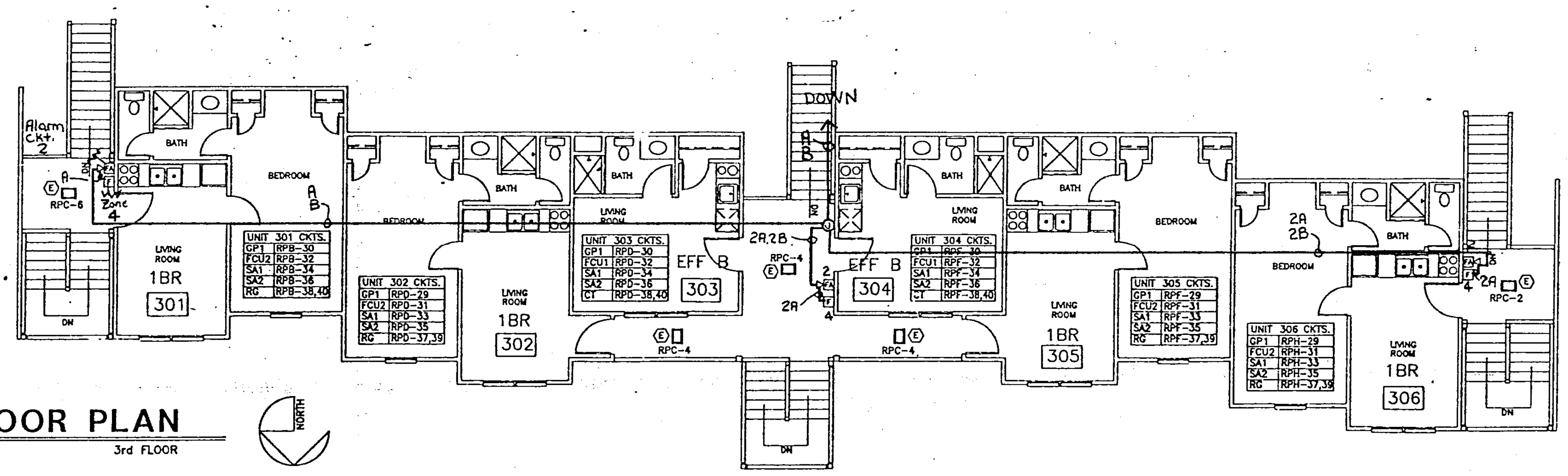
NOV 1 4 1991
PROJECT #
O: B: / / / File
SC:
SC:
CC:
CO: SUPERINTENDENT
CO: T/F



BUILDING 1- FLOOR PLAN
SCALE: 1/8" = 1'-0"
2nd FLOOR



BUILDING 1- FLOOR PLAN
SCALE: 1/8" = 1'-0"
3rd FLOOR

PANEL RPA

■ MAIN LUGS ONLY 225 A. □ MAIN BREAKER ___ A.
FEED: □ TOP ■ BOTTOM MOUNTING: ■ FLUSH □ SURFACE LUGS: ■ SET SCREW □ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. □ 480 3PH.,3W. □ 480Y/277 3PH.,4W. □ 240 3PH.,3W.
GROUNDING: □ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	AMPERES A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #001	15	1	1	1261				1261	2	1	15	GP1 UNIT #002
FCU2 UNIT #001	15	1	3	156				156	4	1	15	FCU2 UNIT #002
SA1 UNIT #001	20	1	5	1500				1500	6	1	20	SA1 UNIT #002
SA2 UNIT #001	20	1	7	1500				1500	8	1	20	SA2 UNIT #002
RG UNIT #001	80	2	9	4500				4500	10	2	80	RG UNIT #002
↓	—	-	11	4500				4500	12	-	—	↓
SPACE			13						14			SPACE
GP1 UNIT #101	15	1	15	1261				1261	16	1	15	GP1 UNIT #103
FCU2 UNIT #101	15	1	17	156				156	18	1	15	FCU2 UNIT #103
SA1 UNIT #101	20	1	19	1500				1500	20	1	20	SA1 UNIT #103
SA2 UNIT #101	20	1	21	1500				1500	22	1	20	SA2 UNIT #103
RG UNIT #101	80	2	23	4500				4500	24	2	80	RG UNIT #103
↓	—	-	25	4500				4500	26	-	—	↓
			27						28			SPACE
			29					1261	30	1	15	GP1 UNIT #202
			31					156	32	1	15	FCU2 UNIT #202
			33					1500	34	1	20	SA1 UNIT #202
			35					1500	36	1	20	SA2 UNIT #202
			37					4500	38	2	80	RG UNIT #202
			39					[illegible]	40	-	—	↓
			41						42			SPACE

JOB: NKU BUILDING No.1
PANEL No. RPA
DATE:

PANEL RPB

■ MAIN LUGS ONLY 225 A. □ MAIN BREAKER ___ A.
FEED: □ TOP ■ BOTTOM MOUNTING: ■ FLUSH □ SURFACE LUGS: ■ SET SCREW □ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. □ 480 3PH.,3W. □ 480Y/277 3PH.,4W. □ 240 3PH.,3W.
GROUNDING: □ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	AMPERES A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #102	15	1	1	1261				1261	2	1	15	GP1 UNIT #104
FCU2 UNIT #102	15	1	3	156				156	4	1	15	FCU2 UNIT #104
SA1 UNIT #102	20	1	5	1500				1500	6	1	20	SA1 UNIT #104
SA2 UNIT #102	20	1	7	1500				1500	8	1	20	SA2 UNIT #104
RG UNIT #102	80	2	9	4500				4500	10	2	80	RG UNIT #104
↓	—	-	11	4500				4500	12	-	—	↓
SPACE			13						14			SPACE
GP1 UNIT #201	15	1	15	1261				1261	16	1	15	GP1 UNIT #203
FCU2 UNIT #201	15	1	17	156				156	18	1	15	FCU2 UNIT #203
SA1 UNIT #201	20	1	19	1500				1500	20	1	20	SA1 UNIT #203
SA2 UNIT #201	20	1	21	1500				1500	22	1	20	SA2 UNIT #203
RG UNIT #201	80	2	23	4500				4500	24	2	80	RG UNIT #203
↓	—	-	25	4500				4500	26	-	—	↓
			27						28			SPACE
			29					1261	30	1	15	GP1 UNIT #301
			31					156	32	1	15	FCU2 UNIT #301
			33					1500	34	1	20	SA1 UNIT #301
			35					1500	36	1	20	SA2 UNIT #301
			37					4500	38	2	80	RG UNIT #301
			39					4500	40	-	—	↓
			41						42			SPACE

JOB: NKU BUILDING No.1
PANEL No. RPB
DATE:

PANEL RPC

■ MAIN LUGS ONLY 225 A. □ MAIN BREAKER ___ A.
FEED: □ TOP ■ BOTTOM MOUNTING: ■ FLUSH □ SURFACE LUGS: ■ SET SCREW □ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. □ 480 3PH.,3W. □ 480Y/277 3PH.,4W. □ 240 3PH.,3W.
GROUNDING: □ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	AMPERES A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #003	15	1	1	1261				520	2	1	15	WEST BZWAY LIGHTS
FCU2 UNIT #003	15	1	3	156				1300	4	1	15	CENTR BZWAY LIGHTS
SA1 UNIT #003	20	1	5	1500				520	6	1	15	EAST BZWAY LIGHTS
SA2 UNIT #003	20	1	7	1500				1562	8	1	20	STORAGE RM LGTS
RG UNIT #003	80	2	9	4500				300	10	1	15	TELE/COMP. BOARD
↓	—	-	11	4500				300	12	1	15	CCTV BOARD
SPACE		1	13						14			SPACE
GP1 UNIT #105	15	1	15	1261				720	16	1	15	GP1 UNIT #107
FCU2 UNIT #105	15	1	17	156				108	18	1	15	FCU1 UNIT #107
SA1 UNIT #105	20	1	19	1500				1500	20	1	20	SA1 UNIT #107
SA2 UNIT #105	20	1	21	1500				1500	22	1	20	SA2 UNIT #107
RG UNIT #105	80	2	23	4500				1250	24	2	20	CT UNIT #107
↓	—	-	25	4500				1250	26	-	—	↓
SPACE		1	27						28			SPACE
GP1 UNIT #204	15	1	29	1261				720	30	1	15	GP1 UNIT #206
FCU2 UNIT #204	15	1	31	156				108	32	1	15	FCU1 UNIT #206
SA1 UNIT #204	20	1	33	1500				1500	34	1	20	SA1 UNIT #206
SA2 UNIT #204	20	1	35	1500				1500	36	1	20	SA2 UNIT #206
RG UNIT #204	80	2	37	4500				1250	38	2	20	CT UNIT #206
↓	—	-	39	4500				1250	40	-	—	↓
SPACE		1	41						42	1		SPACE

JOB: NKU BUILDING No.1
PANEL No. RPC
DATE:

PANEL RPD

■ MAIN LUGS ONLY 225 A. □ MAIN BREAKER ___ A.
FEED: □ TOP ■ BOTTOM MOUNTING: ■ FLUSH □ SURFACE LUGS: ■ SET SCREW □ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. □ 480 3PH.,3W. □ 480Y/277 3PH.,4W. □ 240 3PH.,3W.
GROUNDING: □ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	AMPERES A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #106	15	1	1	1261				720	2	1	15	GP1 UNIT #108
FCU2 UNIT #106	15	1	3	156				108	4	1	15	FCU1 UNIT #108
SA1 UNIT #106	20	1	5	1500				1500	6	1	20	SA1 UNIT #108
SA2 UNIT #106	20	1	7	1500				1500	8	1	20	SA2 UNIT #108
RG UNIT #106	80	2	9	4500				1250	10	2	20	CT UNIT #108
↓	—	-	11	4500				1250	12	-	—	↓
SPACE			13						14			SPACE
GP1 UNIT #206	15	1	15	1261				720	16	1	15	GP1 UNIT #207
FCU2 UNIT #206	15	1	17	156				108	18	1	15	FCU1 UNIT #207
SA1 UNIT #206	20	1	19	1500				1500	20	1	20	SA1 UNIT #207
SA2 UNIT #206	20	1	21	1500				1500	22	1	20	SA2 UNIT #207
RG UNIT #206	80	2	23	4500				1250	24	2	20	CT UNIT #207
↓	—	-	25	4500				1250	26	-	—	↓
SPACE			27						28			SPACE
GP1 UNIT #302	15	1	29	1261				720	30	1	15	GP1 UNIT #303
FCU2 UNIT #302	15	1	31	156				108	32	1	15	FCU1 UNIT #303
SA1 UNIT #302	20	1	33	1500				1500	34	1	20	SA1 UNIT #303
SA2 UNIT #302	20	1	35	1500				1500	36	1	20	SA2 UNIT #303
RG UNIT #302	60	2	37	4500				1250	38	2	20	CT UNIT #303
↓	—	-	39	4500				1250	40	-	—	↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.1
PANEL No. RPD
DATE:

PANEL RPE

■ MAIN LUGS ONLY 225 A. □ MAIN BREAKER ___ A.
FEED: □ TOP ■ BOTTOM MOUNTING: ■ FLUSH □ SURFACE LUGS: ■ SET SCREW □ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. □ 480 3PH.,3W. □ 480Y/277 3PH.,4W. □ 240 3PH.,3W.
GROUNDING: □ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	AMPERES A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #004	15	1	1	1261					2			
FCU2 UNIT #004	15	1	3	156					4			
SA1 UNIT #004	20	1	5	1500					6			
SA2 UNIT #004	20	1	7	1500					8			
RG UNIT #004	80	2	9	4500					10			
↓	—	-	11	4500					12			
SPACE			13						14			
GP1 UNIT #111	15	1	15	1261				720	16	1	15	GP1 UNIT #109
FCU2 UNIT #111	15	1	17	156				108	18	1	15	FCU1 UNIT #109
SA1 UNIT #111	20	1	19	1500				1500	20	1	20	SA1 UNIT #109
SA2 UNIT #111	20	1	21	1500				1500	22	1	20	SA2 UNIT #109
RG UNIT #111	80	2	23	4500				1250	24	2	20	CT UNIT #109
↓	—	-	25	4500				1250	26	-	—	↓
SPACE			27						28			SPACE
GP1 UNIT #210	15	1	29	1261				720	30	1	15	GP1 UNIT #208
FCU2 UNIT #210	15	1	31	156				108	32	1	15	FCU1 UNIT #208
SA1 UNIT #210	20	1	33	1500				1500	34	1	20	SA1 UNIT #208
SA2 UNIT #210	20	1	35	1500				1500	36	1	20	SA2 UNIT #208
RG UNIT #210	80	2	37	4500				1250	38	2	20	CT UNIT #208
↓	—	-	39	4500				1250	40	-	—	↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.1
PANEL No. RPE
DATE:

PANEL RPF

■ MAIN LUGS ONLY 225 A. □ MAIN BREAKER ___ A.
FEED: □ TOP ■ BOTTOM MOUNTING: ■ FLUSH □ SURFACE LUGS: ■ SET SCREW □ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. □ 480 3PH.,3W. □ 480Y/277 3PH.,4W. □ 240 3PH.,3W.
GROUNDING: □ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	AMPERES A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #112	15	1	1	1261				720	2	1	15	GP1 UNIT #110
FCU2 UNIT #112	15	1	3	156				108	4	1	15	FCU1 UNIT #110
SA1 UNIT #112	20	1	5	1500				1500	6	1	20	SA1 UNIT #110
SA2 UNIT #112	20	1	7	1500				1500	8	1	20	SA2 UNIT #110
RG UNIT #112	60	2	9	4500				1250	10	2	20	CT UNIT #110
↓	—	-	11	4500				1250	12	-	—	↓
SPACE			13						14			SPACE
GP1 UNIT #211	15	1	15	1261				720	16	1	15	GP1 UNIT #209
FCU2 UNIT #211	15	1	17	156				108	18	1	15	FCU1 UNIT #209
SA1 UNIT #211	20	1	19	1500				1500	20	1	20	SA1 UNIT #209
SA2 UNIT #211	20	1	21	1500				1500	22	1	20	SA2 UNIT #209
RG UNIT #211	80	2	23	4500				1250	24	2	20	CT UNIT #209
↓	—	-	25	4500				1250	26	-	—	↓
SPACE			27						28			SPACE
GP1 UNIT #305	15	1	29	1261				720	30	1	15	GP1 UNIT #304
FCU2 UNIT #305	15	1	31	156				108	32	1	15	FCU1 UNIT #304
SA1 UNIT #305	20	1	33	1500				1500	34	1	20	SA1 UNIT #304
SA2 UNIT #305	20	1	35	1500				1500	36	1	20	SA2 UNIT #304
RG UNIT #305	80	2	37	4500				1250	38	2	20	CT UNIT #304
↓	—	-	39	4500				1250	40	-	—	↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.1
PANEL No. RPF
DATE:

PANEL RPG

■ MAIN LUGS ONLY 225 A. □ MAIN BREAKER ___ A.
FEED: □ TOP ■ BOTTOM MOUNTING: ■ FLUSH □ SURFACE LUGS: ■ SET SCREW □ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. □ 480 3PH.,3W. □ 480Y/277 3PH.,4W. □ 240 3PH.,3W.
GROUNDING: □ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	AMPERES A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #005	15	1	1	1261				926	2	1	15	GP1 UNIT #006
FCU2 UNIT #005	15	1	3	156				926	4	1	15	GP2 UNIT #006
SA1 UNIT #005	20	1	5	1500				222	6	1	15	FCU3 UNIT #006
SA2 UNIT #005	20	1	7	1500				1500	8	1	20	SA1 UNIT #006
RG UNIT #005	80	2	9	4500				1500	10	1	20	SA2 UNIT #006
↓	—	-	11	4500				1250	12	2	20	CT UNIT #006
SPACE			13					1250	14	-	—	↓
GP1 UNIT #113	15	1	15	1261				926	16	1	15	GP1 UNIT #115
FCU2 UNIT #113	15	1	17	156				926	18	1	15	GP2 UNIT #115
SA1 UNIT #113	20	1	19	1500				222	20	1	15	FCU3 UNIT #115
SA2 UNIT #113	20	1	21	1500				1500	22	1	20	SA1 UNIT #115
RG UNIT #113	80	2	23	4500				1500	24	1	20	SA2 UNIT #115
↓	—	-	25	4500				1250	26	2	20	CT UNIT #115
SPACE			27					1250	28	-	—	↓
GP1 UNIT #212	15	1	29	1261					30			
FCU2 UNIT #212	15	1	31	156					32			
SA1 UNIT #212	20	1	33	1500					34			
SA2 UNIT #212	20	1	35	1500					36			
RG UNIT #212	80	2	37	4500					38			
↓	—	-	39	4500					40			
SPACE			41						42			

JOB: NKU BUILDING No.1
PANEL No. RPG
DATE:

PANEL RPH

■ MAIN LUGS ONLY 225 A. □ MAIN BREAKER ___ A.
FEED: □ TOP ■ BOTTOM MOUNTING: ■ FLUSH □ SURFACE LUGS: ■ SET SCREW □ COMPRESSION
SERVICE: ■ 208Y/120 3PH.,4W. □ 480 3PH.,3W. □ 480Y/277 3PH.,4W. □ 240 3PH.,3W.
GROUNDING: □ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	AMPERES A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #114	15	1	1	1261				926	2	1	15	GP1 UNIT #116
FCU2 UNIT #114	15	1	3	156				926	4	1	15	GP2 UNIT #116
SA1 UNIT #114	20	1	5	1500				222	6	1	15	FCU3 UNIT #116
SA2 UNIT #114	20	1	7	1500				1500	8	1	20	SA1 UNIT #116
RG UNIT #114	60	2	9	4500				1500	10	1	20	SA2 UNIT #116
↓	—	-	11	4500				1250	12	2	20	CT UNIT #116
SPACE			13					1250	14	-	—	↓
GP1 UNIT #213	15	1	15	1261				926	16	1	15	GP1 UNIT #214
FCU2 UNIT #213	15	1	17	156				926	18	1	15	GP2 UNIT #214
SA1 UNIT #213	20	1	19	1500				222	20	1	15	FCU3 UNIT #214
SA2 UNIT #213	20	1	21	1500				1500	22	1	20	SA1 UNIT #214
RG UNIT #213	60	2	23	4500				1500	24	1	20	SA2 UNIT #214
↓	—	-	25	4500				1250	26	2	20	CT UNIT #214
SPACE			27					1250	28	-	—	↓
GP1 UNIT #306	15	1	29	1261					30			
FCU2 UNIT #306	15	1	31	156					32			
SA1 UNIT #306	20	1	33	1500					34			
SA2 UNIT #306	20	1	35	1500					36			
RG UNIT #306	80	2	37	4500					38			
↓	—	-	39	4500					40			
SPACE			41						42			

JOB: NKU BUILDING No.1
PANEL No. RPH
DATE:

204728

NO.	REVISION	DATE	DRAWN BY	DATE	R.P. BIEDERMAN COMPANY INC. HAMILTON, OHIO 45013
			MJM	10-20-91	
			CHECKED BY: MAB	DATE: 10-24-91	NKU Residential Village Development
			DRAWING NO. 102091-2		Bldg. 1 Second & Third Floors Fire Alarm System

REVISIONS:
8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

RPR

Edcom Electrical Design and Construction Managers
P.O. Box 308
Ross (Cincinnati), Ohio 45061

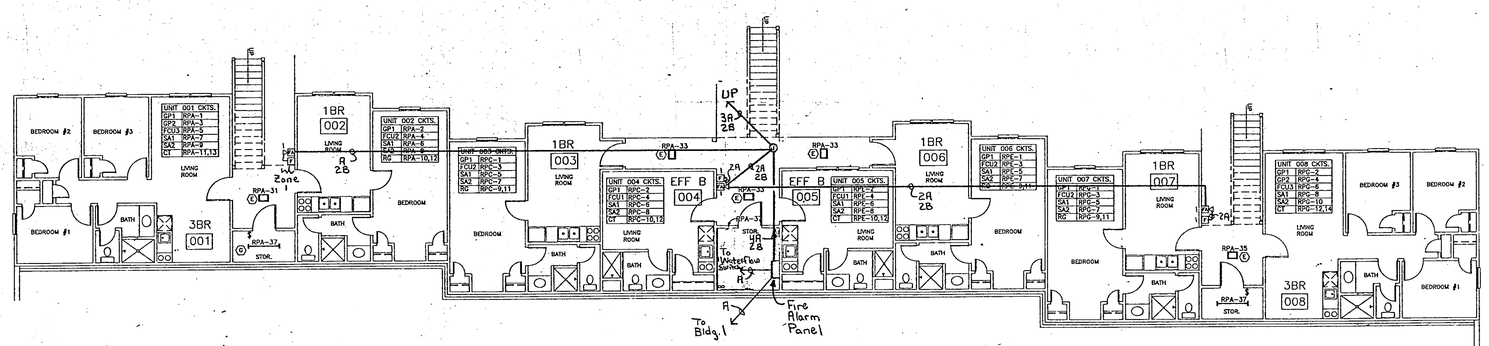
NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

BUILDING 1
FLOORS 2 & 3
ELECTRICAL
PLANS

JOB NO. 314
DATE: 8-30-91
DRAWN BY: CAS
CHECKED: DSK
PLOT DATE: 10-9-91

SHEET NUMBER
E1-4

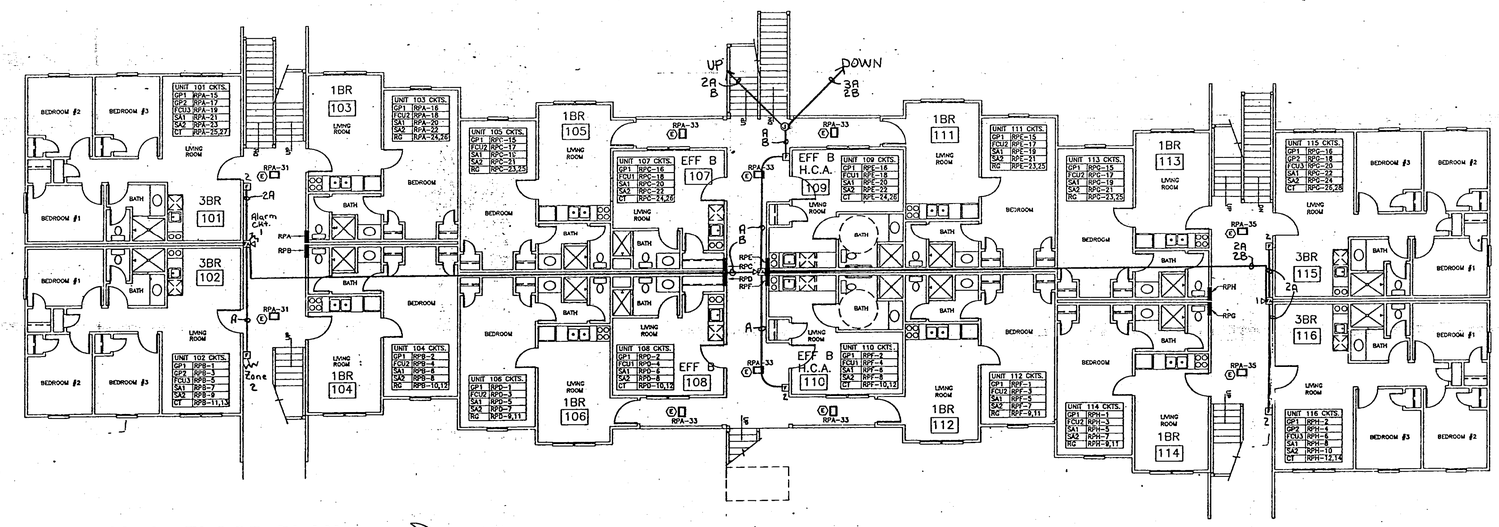
RPR & Associates, Inc.
RECEIVED
NOV 14 1991
PROJECT #
Dr. By
CO.
CO.
CO.
CO. SUPERINTENDENT
CO. Y/E



BUILDING 2- FLOOR PLAN

SCALE: 1/8" = 1'-0" — BASEMENT LEVEL

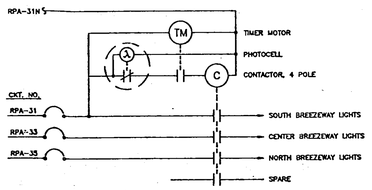
NORTH



BUILDING 2- FLOOR PLAN

SCALE: 1/8" = 1'-0" — 1st FLOOR

NORTH



BREEZEWAY LIGHTING CONTROL WIRING DIAGRAM

NO SCALE

GENERAL NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. ALL BRANCH CIRCUIT WIRING SHALL BE #14 AWG(CU.), UNLESS OTHERWISE NOTED.
3. SEE "CIRCUIT DESIGNATION SCHEDULE" ON SHEET EA-15 FOR ADDITIONAL APARTMENT UNIT CIRCUITING INFORMATION.
4. SEE SHEETS EA-15 AND EA-16 FOR ENLARGED ELECTRIC PLANS OF INDIVIDUAL APARTMENTS.
5. SEE SHEET EA-15 FOR "LUMINAIRE SCHEDULE" AND "SYMBOL LEGEND".

○ DRAWING NOTES:

1. 8'x8"x3/4" PAINTED PLYWOOD BACKBOARD FOR TELEPHONE AND COMPUTER EQUIPMENT.
2. 4'x8"x3/4" PAINTED PLYWOOD BACKBOARD FOR CABEL TV EQUIPMENT.
3. DISTRUSTION PANELBOARD, DP-SYCAMORE, 400A, 208Y/120VAC, 3PH.,4W. SEE "SERVICE RISER DIAGRAM" ON SHEET ER-20.

204729

NO.	REVISION	DATE	DRAWN BY	DATE	R.P. BIEDERMAN COMPANY INC. HAMILTON, OHIO 45013
			M.I.M.	10-20-91	NKU Residential Village Development
			CHECKED BY M.A.B.	DATE 10-24-91	Bldg. 2 Bsm't & First Floors
			DRAWING NO.		Fire Alarm System
		102091-3			

REVISIONS:
1. 8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

RPR
RPR & ASSOCIATES, INC.

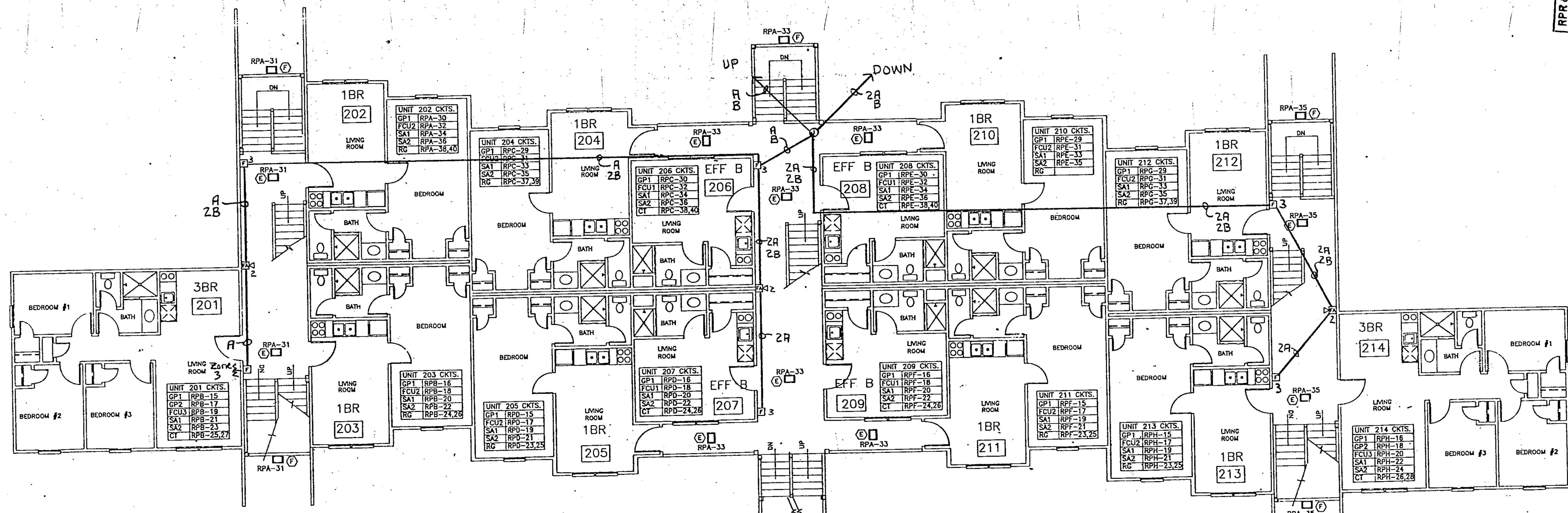
Edcom and Electrical Design Construction Managers
P.O. Box 308
Ross (Cincinnati), Ohio 45061
(513) 738-2541

NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

BUILDING 2
FLOORS BSM'T & 1
ELECTRICAL
PLANS

JOB NO.	3143
DATE:	8-30-91
DRAWN BY:	DAS
CHECKED:	DSK
PLOT DATE:	10-9-91

SHEET NUMBER
E2-5

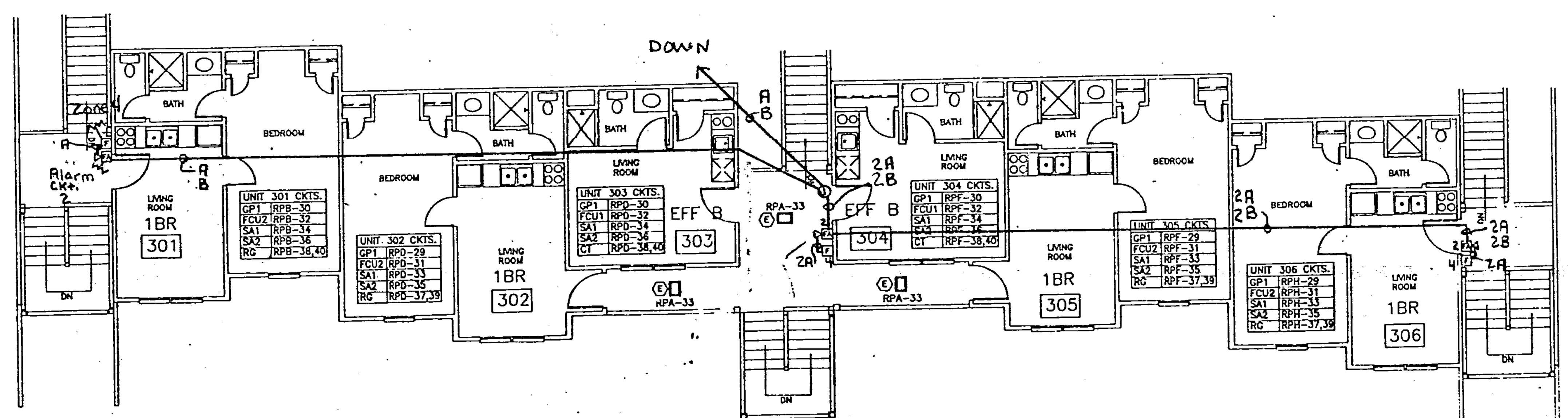


BUILDING 2- FLOOR PLAN

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

2nd FLOOR

NORTH



BUILDING 2- FLOOR PLAN

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

3rd FLOOR

NORTH

Panel RPA

[X] MAIN LUGS ONLY 225 A. [ ] MAIN BREAKER ___ A.
SERVICE: [X] 208Y/120 3PH.,4W. [ ] 480 3PH.,3W. [ ] 480Y/277 3PH.,4W. [ ] 240 3PH.,3W.
FEED: [ ] TOP [X] BOTTOM — MOUNTING: [X] FLUSH [ ] SURFACE — LUGS: [X] SET SCREW [ ] COMPRESSION
GROUNDING: [ ] ISO. GRD. BUS [X] GRD. BUS

LOAD	TRIP OR FUSE	P	CIR	LOAD VA	A	B	C	LOAD VA	CIR	P	TRIP OR FUSE	LOAD
GP1 UNIT #001	15	1	1	926				1261	2	1	15	GP1 UNIT #002
GP2 UNIT #001	15	1	3	926				156	4	1	15	FCU2 UNIT #002
FCU3 UNIT #001	15	1	5	222				1500	6	1	20	SA1 UNIT #002
SA1 UNIT #001	20	1	7	1500				1500	8	1	20	SA2 UNIT #002
SA2 UNIT #001	20	1	9	1500				4500	10	2	60	RG UNIT #002
CT UNIT #001	20	2	11	1250				4500	12	–	—	↓
↓	—	–	13	1250					14			SPACE
GP1 UNIT #101	15	1	15	926				1261	16	1	15	GP1 UNIT #103
GP2 UNIT #101	15	1	17	926				156	18	1	15	FCU2 UNIT #103
FCU3 UNIT #101	15	1	19	222				1500	20	1	20	SA1 UNIT #103
SA1 UNIT #101	20	1	21	1500				1500	22	1	20	SA2 UNIT #103
SA2 UNIT #101	20	1	23	1500				4500	24	2	60	RG UNIT #103
CT UNIT #101	20	2	25	1250				4500	26	–	—	↓
↓	—	–	27	1250					28			SPACE
			29					1261	30	1	15	GP1 UNIT #202
SOUTH BZWAY LIGHTS	15	1	31	520				156	32	1	15	FCU2 UNIT #202
CENTER BZWAY LGTS	15	1	33	1300				1500	34	1	20	SA1 UNIT #202
NORTH BZWAY LIGHTS	15	1	35	520				1500	36	1	20	SA2 UNIT #202
STORAGE RM. LIGHTS	15	1	37	1004				4500	38	2	60	RG UNIT #202
TELE/COMP. BOARD	15	1	39	300				4500	40	–	—	↓
CCTV BOARD	15	1	41	300					42			SPACE

JOB: NKU BUILDING No.2
PANEL No. RPA
DATE:

Panel RPB

[X] MAIN LUGS ONLY 225 A. [ ] MAIN BREAKER ___ A.
SERVICE: [X] 208Y/120 3PH.,4W. [ ] 480 3PH.,3W. [ ] 480Y/277 3PH.,4W. [ ] 240 3PH.,3W.
FEED: [ ] TOP [X] BOTTOM — MOUNTING: [X] FLUSH [ ] SURFACE — LUGS: [X] SET SCREW [ ] COMPRESSION
GROUNDING: [ ] ISO. GRD. BUS [X] GRD. BUS

LOAD	TRIP OR FUSE	P	CIR	LOAD VA	A	B	C	LOAD VA	CIR	P	TRIP OR FUSE	LOAD
GP1 UNIT #102	15	1	1	926				1261	2	1	15	GP1 UNIT #104
GP2 UNIT #102	15	1	3	926				156	4	1	15	FCU2 UNIT #104
FCU3 UNIT #102	15	1	5	222				1500	6	1	20	SA1 UNIT #104
SA1 UNIT #102	20	1	7	1500				1500	8	1	20	SA2 UNIT #104
SA2 UNIT #102	20	1	9	1500				4500	10	2	60	RG UNIT #104
CT UNIT #102	20	2	11	1250				4500	12	–	—	↓
↓	—	–	13	1250					14			SPACE
GP1 UNIT #201	15	1	15	926				1261	16	1	15	GP1 UNIT #203
GP2 UNIT #201	15	1	17	926				156	18	1	15	FCU2 UNIT #203
FCU3 UNIT #201	15	1	19	222				1500	20	1	20	SA1 UNIT #203
SA1 UNIT #201	20	1	21	1500				1500	22	1	20	SA2 UNIT #203
SA2 UNIT #201	20	1	23	1500				4500	24	2	60	RG UNIT #203
CT UNIT #201	20	2	25	1250				4500	26	–	—	↓
↓	—	–	27	1250					28			SPACE
			29					1261	30	1	15	GP1 UNIT #301
			31					156	32	1	15	FCU2 UNIT #301
			33					1500	34	1	20	SA1 UNIT #301
			35					1500	36	1	20	SA2 UNIT #301
			37					4500	38	2	60	RG UNIT #301
			39					4500	40	–	—	↓
			41						42			SPACE

JOB: NKU BUILDING No.2
PANEL No. RPB
DATE:

Panel RPC

[X] MAIN LUGS ONLY 225 A. [ ] MAIN BREAKER ___ A.
SERVICE: [X] 208Y/120 3PH.,4W. [ ] 480 3PH.,3W. [ ] 480Y/277 3PH.,4W. [ ] 240 3PH.,3W.
FEED: [ ] TOP [X] BOTTOM — MOUNTING: [X] FLUSH [ ] SURFACE — LUGS: [X] SET SCREW [ ] COMPRESSION
GROUNDING: [ ] ISO. GRD. BUS [X] GRD. BUS

LOAD	TRIP OR FUSE	P	CIR	LOAD VA	A	B	C	LOAD VA	CIR	P	TRIP OR FUSE	LOAD
GP1 UNIT #003	15	1	1	1261				720	2	1	15	GP1 UNIT #004
FCU2 UNIT #003	15	1	3	156				108	4	1	15	FCU1 UNIT #004
SA1 UNIT #003	20	1	5	1500				1500	6	1	20	SA1 UNIT #004
SA2 UNIT #003	20	1	7	1500				1500	8	1	20	SA2 UNIT #004
RG UNIT #003	60	2	9	4500				1250	10	2	20	CT UNIT #004
↓	—	–	11	4500				1250	12	–	—	↓
SPACE			13						14			SPACE
GP1 UNIT #105	15	1	15	1261				720	16	1	15	GP1 UNIT #107
FCU2 UNIT #105	15	1	17	156				108	18	1	15	FCU1 UNIT #107
SA1 UNIT #105	20	1	19	1500				1500	20	1	20	SA1 UNIT #107
SA2 UNIT #105	20	1	21	1500				1500	22	1	20	SA2 UNIT #107
RG UNIT #105	60	2	23	4500				1250	24	2	20	CT UNIT #107
↓	—	–	25	4500				1250	26	–	—	↓
SPACE			27						28			SPACE
GP1 UNIT #204	15	1	29	1261				720	30	1	15	GP1 UNIT #206
FCU2 UNIT #204	15	1	31	156				108	32	1	15	FCU1 UNIT #206
SA1 UNIT #204	20	1	33	1500				1500	34	1	20	SA1 UNIT #206
SA2 UNIT #204	20	1	35	1500				1500	36	1	20	SA2 UNIT #206
RG UNIT #204	60	2	37	4500				1250	38	2	20	CT UNIT #206
↓	—	–	39	4500				1250	40	–	—	↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.2
PANEL No. RPC
DATE:

Panel RPD

[X] MAIN LUGS ONLY 225 A. [ ] MAIN BREAKER ___ A.
SERVICE: [X] 208Y/120 3PH.,4W. [ ] 480 3PH.,3W. [ ] 480Y/277 3PH.,4W. [ ] 240 3PH.,3W.
FEED: [ ] TOP [X] BOTTOM — MOUNTING: [X] FLUSH [ ] SURFACE — LUGS: [X] SET SCREW [ ] COMPRESSION
GROUNDING: [ ] ISO. GRD. BUS [X] GRD. BUS

LOAD	TRIP OR FUSE	P	CIR	LOAD VA	A	B	C	LOAD VA	CIR	P	TRIP OR FUSE	LOAD
GP1 UNIT #106	15	1	1	1261				720	2	1	15	GP1 UNIT #108
FCU2 UNIT #106	15	1	3	156				108	4	1	15	FCU1 UNIT #108
SA1 UNIT #106	20	1	5	1500				1500	6	1	20	SA1 UNIT #108
SA2 UNIT #106	20	1	7	1500				1500	8	1	20	SA2 UNIT #108
RG UNIT #106	60	2	9	4500				1250	10	2	20	CT UNIT #108
↓	—	–	11	4500				1250	12	–	—	↓
SPACE			13						14			SPACE
GP1 UNIT #205	15	1	15	1261				720	16	1	15	GP1 UNIT #207
FCU2 UNIT #205	15	1	17	156				108	18	1	15	FCU1 UNIT #207
SA1 UNIT #205	20	1	19	1500				1500	20	1	20	SA1 UNIT #207
SA2 UNIT #205	20	1	21	1500				1500	22	1	20	SA2 UNIT #207
RG UNIT #205	60	2	23	4500				1250	24	2	20	CT UNIT #207
↓	—	–	25	4500				1250	26	–	—	↓
SPACE			27						28			SPACE
GP1 UNIT #302	15	1	29	1261				720	30	1	15	GP1 UNIT #303
FCU2 UNIT #302	15	1	31	156				108	32	1	15	FCU1 UNIT #303
SA1 UNIT #302	20	1	33	1500				1500	34	1	20	SA1 UNIT #303
SA2 UNIT #302	20	1	35	1500				1500	36	1	20	SA2 UNIT #303
RG UNIT #302	60	2	37	4500				1250	38	2	20	CT UNIT #303
↓	—	–	39	4500				1250	40	–	—	↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.2
PANEL No. RPD
DATE:

Panel RPE

[X] MAIN LUGS ONLY 225 A. [ ] MAIN BREAKER ___ A.
SERVICE: [X] 208Y/120 3PH.,4W. [ ] 480 3PH.,3W. [ ] 480Y/277 3PH.,4W. [ ] 240 3PH.,3W.
FEED: [ ] TOP [X] BOTTOM — MOUNTING: [X] FLUSH [ ] SURFACE — LUGS: [X] SET SCREW [ ] COMPRESSION
GROUNDING: [ ] ISO. GRD. BUS [X] GRD. BUS

LOAD	TRIP OR FUSE	P	CIR	LOAD VA	A	B	C	LOAD VA	CIR	P	TRIP OR FUSE	LOAD
GP1 UNIT #006	15	1	1	1261				720	2	1	15	GP1 UNIT #005
FCU2 UNIT #006	15	1	3	156				108	4	1	15	FCU1 UNIT #005
SA1 UNIT #006	20	1	5	1500				1500	6	1	20	SA1 UNIT #005
SA2 UNIT #006	20	1	7	1500				1500	8	1	20	SA2 UNIT #005
RG UNIT #006	60	2	9	4500				1250	10	2	20	CT UNIT #005
↓	—	–	11	4500				1250	12	–	—	↓
SPACE			13						14			SPACE
GP1 UNIT #111	15	1	15	1261				801	16	1	15	GP1 UNIT #109
FCU2 UNIT #111	15	1	17	156				108	18	1	15	FCU1 UNIT #109
SA1 UNIT #111	20	1	19	1500				1500	20	1	20	SA1 UNIT #109
SA2 UNIT #111	20	1	21	1500				1500	22	1	20	SA2 UNIT #109
RG UNIT #111	60	2	23	4500				1250	24	2	20	CT UNIT #109
↓	—	–	25	4500				1250	26	–	—	↓
SPACE			27						28			SPACE
GP1 UNIT #210	15	1	29	1261				720	30	1	15	GP1 UNIT #208
FCU2 UNIT #210	15	1	31	156				108	32	1	15	FCU1 UNIT #208
SA1 UNIT #210	20	1	33	1500				1500	34	1	20	SA1 UNIT #208
SA2 UNIT #210	20	1	35	1500				1500	36	1	20	SA2 UNIT #208
RG UNIT #210	60	2	37	4500				1250	38	2	20	CT UNIT #208
↓	—	–	39	4500				1250	40	–	—	↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.2
PANEL No. RPE
DATE:

Panel RPF

[X] MAIN LUGS ONLY 225 A. [ ] MAIN BREAKER ___ A.
SERVICE: [X] 208Y/120 3PH.,4W. [ ] 480 3PH.,3W. [ ] 480Y/277 3PH.,4W. [ ] 240 3PH.,3W.
FEED: [ ] TOP [X] BOTTOM — MOUNTING: [X] FLUSH [ ] SURFACE — LUGS: [X] SET SCREW [ ] COMPRESSION
GROUNDING: [ ] ISO. GRD. BUS [X] GRD. BUS

LOAD	TRIP OR FUSE	P	CIR	LOAD VA	A	B	C	LOAD VA	CIR	P	TRIP OR FUSE	LOAD
GP1 UNIT #112	15	1	1	1261				801	2	1	15	GP1 UNIT #110
FCU2 UNIT #112	15	1	3	156				108	4	1	15	FCU1 UNIT #110
SA1 UNIT #112	20	1	5	1500				1500	6	1	20	SA1 UNIT #110
SA2 UNIT #112	20	1	7	1500				1500	8	1	20	SA2 UNIT #110
RG UNIT #112	60	2	9	4500				1250	10	2	20	CT UNIT #110
↓	—	–	11	4500				1250	12	–	—	↓
SPACE			13						14			SPACE
GP1 UNIT #211	15	1	15	1261				720	16	1	15	GP1 UNIT #209
FCU2 UNIT #211	15	1	17	156				108	18	1	15	FCU1 UNIT #209
SA1 UNIT #211	20	1	19	1500				1500	20	1	20	SA1 UNIT #209
SA2 UNIT #211	20	1	21	1500				1500	22	1	20	SA2 UNIT #209
RG UNIT #211	60	2	23	4500				1250	24	2	20	CT UNIT #209
↓	—	–	25	4500				1250	26	–	—	↓
SPACE			27						28			SPACE
GP1 UNIT #305	15	1	29	1261				720	30	1	15	GP1 UNIT #304
FCU2 UNIT #305	15	1	31	156				108	32	1	15	FCU1 UNIT #304
SA1 UNIT #305	20	1	33	1500				1500	34	1	20	SA1 UNIT #304
SA2 UNIT #305	20	1	35	1500				1500	36	1	20	SA2 UNIT #304
RG UNIT #305	60	2	37	4500				1250	38	2	20	CT UNIT #304
↓	—	–	39	4500				1250	40	–	—	↓
SPACE			41	-					42			SPACE

JOB: NKU BUILDING No.2
PANEL No. RPF
DATE:

Panel RPG

[X] MAIN LUGS ONLY 225 A. [ ] MAIN BREAKER ___ A.
SERVICE: [X] 208Y/120 3PH.,4W. [ ] 480 3PH.,3W. [ ] 480Y/277 3PH.,4W. [ ] 240 3PH.,3W.
FEED: [ ] TOP [X] BOTTOM — MOUNTING: [X] FLUSH [ ] SURFACE — LUGS: [X] SET SCREW [ ] COMPRESSION
GROUNDING: [ ] ISO. GRD. BUS [X] GRD. BUS

LOAD	TRIP OR FUSE	P	CIR	LOAD VA	A	B	C	LOAD VA	CIR	P	TRIP OR FUSE	LOAD
GP1 UNIT #007	15	1	1	1261				926	2	1	15	GP1 UNIT #008
FCU2 UNIT #007	15	1	3	156				926	4	1	15	GP2 UNIT #008
SA1 UNIT #007	20	1	5	1500				222	6	1	15	FCU3 UNIT #008
SA2 UNIT #007	20	1	7	1500				1500	8	1	20	SA1 UNIT #008
RG UNIT #007	60	2	9	4500				1500	10	1	20	SA2 UNIT #008
↓	—	–	11	4500				1250	12	2	20	CT UNIT #008
SPACE			13					1250	14	–	—	↓
GP1 UNIT #113	15	1	15	1261				926	16	1	15	GP1 UNIT #115
FCU2 UNIT #113	15	1	17	156				926	18	1	15	GP2 UNIT #115
SA1 UNIT #113	20	1	19	1500				222	20	1	15	FCU3 UNIT #115
SA2 UNIT #113	20	1	21	1500				1500	22	1	20	SA1 UNIT #115
RG UNIT #113	60	2	23	4500				1500	24	1	20	SA2 UNIT #115
↓	—	–	25	4500				1250	26	2	20	CT UNIT #115
SPACE			27					1250	28	–	—	↓
GP1 UNIT #212	15	1	29	1261					30			
FCU2 UNIT #212	15	1	31	156					32			
SA1 UNIT #212	20	1	33	1500					34			
SA2 UNIT #212	20	1	35	1500					36			
RG UNIT #212	60	2	37	4500					38			
↓	—	–	39	4500					40			
SPACE			41						42			

JOB: NKU BUILDING No.2
PANEL No. RPG
DATE:

Panel RPH

[X] MAIN LUGS ONLY 225 A. [ ] MAIN BREAKER ___ A.
SERVICE: [X] 208Y/120 3PH.,4W. [ ] 480 3PH.,3W. [ ] 480Y/277 3PH.,4W. [ ] 240 3PH.,3W.
FEED: [ ] TOP [X] BOTTOM — MOUNTING: [X] FLUSH [ ] SURFACE — LUGS: [X] SET SCREW [ ] COMPRESSION
GROUNDING: [ ] ISO. GRD. BUS [X] GRD. BUS

LOAD	TRIP OR FUSE	P	CIR	LOAD VA	A	B	C	LOAD VA	CIR	P	TRIP OR FUSE	LOAD
GP1 UNIT #114	15	1	1	1261				926	2	1	15	GP1 UNIT #116
FCU2 UNIT #114	15	1	3	156				926	4	1	15	GP2 UNIT #116
SA1 UNIT #114	20	1	5	1500				222	6	1	15	FCU3 UNIT #116
SA2 UNIT #114	20	1	7	1500				1500	8	1	20	SA1 UNIT #116
RG UNIT #114	60	2	9	4500				1500	10	1	20	SA2 UNIT #116
↓	—	–	11	4500				1250	12	2	20	CT UNIT #116
SPACE			13					1250	14	–	—	↓
GP1 UNIT #213	15	1	15	1261				926	16	1	15	GP1 UNIT #214
FCU2 UNIT #213	15	1	17	156				926	18	1	15	GP2 UNIT #214
SA1 UNIT #213	20	1	19	1500				222	20	1	15	FCU3 UNIT #214
SA2 UNIT #213	20	1	21	1500				1500	22	1	20	SA1 UNIT #214
RG UNIT #213	60	2	23	4500				1500	24	1	20	SA2 UNIT #214
↓	—	–	25	4500				1250	26	2	20	CT UNIT #214
SPACE			27					1250	28	–	—	↓
GP1 UNIT #306	15	1	29	1261					30			
FCU2 UNIT #306	15	1	31	156					32			
SA1 UNIT #306	20	1	33	1500					34			
SA2 UNIT #306	20	1	35	1500					36			
RG UNIT #306	60	2	37	4500					38			
↓	—	–	39	4500					40			
SPACE			41						42			

JOB: NKU BUILDING No.2
PANEL No. RPH
DATE:

RPR & Associates, Inc.
RECEIVED
NOV 1 4 1991
PROJECT #
Orig. / / / File
CC:
CC:
CC:
CC: SUPERINTENDENT
CC: T/F

REVISIONS:
8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

RPR
RPR & ASSOCIATES, INC.

Edcom Electrical Design and Construction Managers
P.O. Box 308
Ross (Cincinnati), Ohio 45061
(513) 738-2641

NORTHERN KENTUCKY UNIVERSITY RESIDENTIAL VILLAGE DEVELOPMENT HIGHLAND HEIGHTS, KENTUCKY

BUILDING 2
FLOORS 2 & 3
ELECTRICAL
PLANS

JOB NO.	3143
DATE:	8-30-91
DRAWN BY:	DAS
CHECKED:	DSK
PLOT DATE:	10-9-91

SHEET NUMBER

E2-6

204730

NO.	REVISION	DATE	DRAWN BY / DATE	R.P. BIEDERMAN COMPANY INC. HAMILTON, OHIO 45012
			DRAWN BY MJM — DATE 10-20-91	NKU Residential Village Development
			CHECKED BY MAB — DATE 10-24-91	Bldg. 2 Second & Third Floors
			DRAWING NO. 102091-4	Fire Alarm System

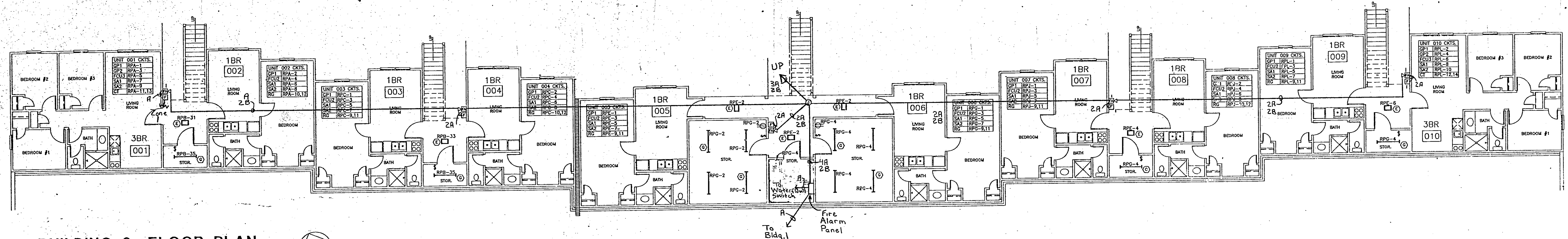
RPR & Associates, Inc.
RECEIVED
NOV 1 4 1991
PROJECT #
Dwg: / / / / File
CC:
CC:
CC:
CC: SUPERINTENDENT
CC: T/F

GENERAL NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. ALL BRANCH CIRCUIT WIRING SHALL BE #14 AWG(CU.), UNLESS OTHERWISE NOTED.
3. SEE "CIRCUIT DESIGNATION SCHEDULE" ON SHEET EA-15 FOR ADDITIONAL APARTMENT UNIT CIRCUITING INFORMATION.
4. SEE SHEETS EA-15 AND EA-16 FOR ENLARGED ELECTRIC PLANS OF INDIVIDUAL APARTMENTS.
5. SEE SHEET EA-15 FOR "LUMINAIRE SCHEDULE" AND "SYMBOL LEGEND".

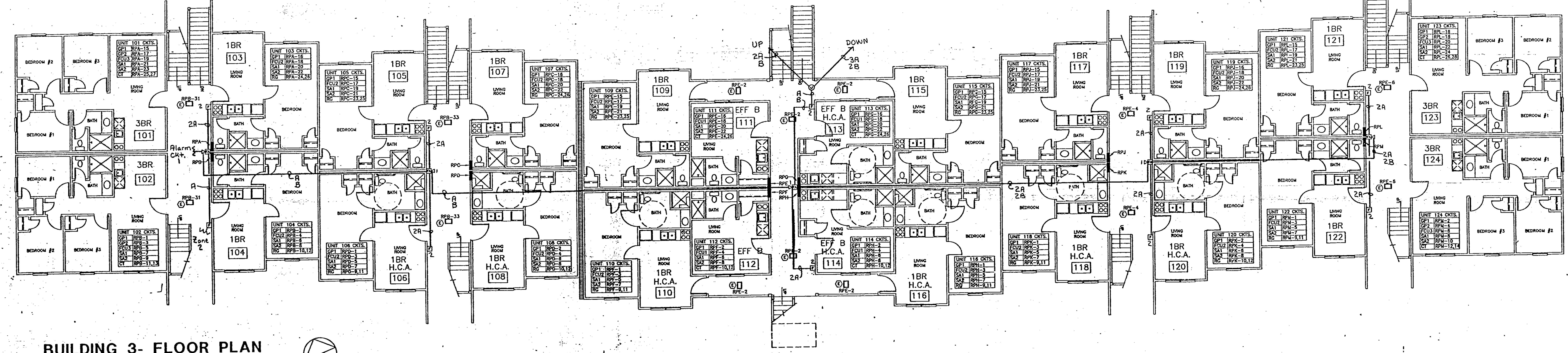
DRAWING NOTES:

1. 3'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR TELEPHONE AND COMPUTER EQUIPMENT.
2. 4'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR CABEL TV EQUIPMENT.
3. DISTRUBTION PANELBOARD, DP-WILLOWS, 600A. 208Y/120VAC, 3PH.,4W. SEE "SERVICE RISER DIAGRAM" ON SHEET ER-20.



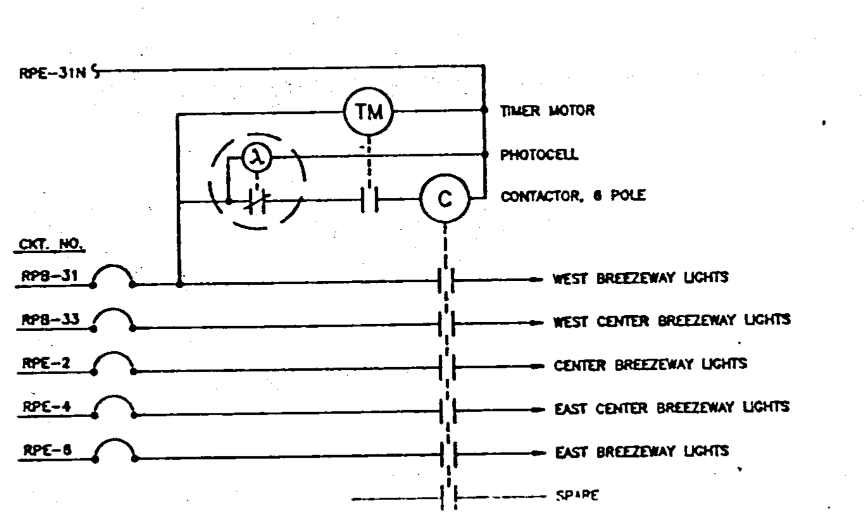
BUILDING 3- FLOOR PLAN

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



BUILDING 3- FLOOR PLAN

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



BREEZEWAY LIGHTING CONTROL WIRING DIAGRAM

NO SCALE

Panel RPA

MAIN LUGS ONLY 225 A. MAIN BREAKER ___ A.
SERVICE: 208Y/120 3PH.,4W. / 480 3PH.,3W. / 480Y/277 3PH.,4W. / 240 3PH.,3W.
FEED: TOP / BOTTOM. MOUNTING: FLUSH / SURFACE. LUGS: SET SCREW / COMPRESSION. GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #001	15	1	1	926				1261	2	1	15	GP1 UNIT #002
GP2 UNIT #001	15	1	3	926				156	4	1	15	FCU2 UNIT #002
FCU3 UNIT #001	15	1	5	222				1500	6	1	20	SA1 UNIT #002
SA1 UNIT #001	20	1	7	1500				1500	8	1	20	SA2 UNIT #002
SA2 UNIT #001	20	1	9	1500				4500	10	2	60	RG UNIT #002
CT UNIT #001	20	2	11	1250				4500	12	–	—	↓
↓	—	–	13	1250					14			SPACE
GP1 UNIT #101	15	1	15	926				1261	16	1	15	GP1 UNIT #103
GP2 UNIT #101	15	1	17	926				156	18	1	15	FCU2 UNIT #103
FCU3 UNIT #101	15	1	19	222				1500	20	1	20	SA1 UNIT #103
SA1 UNIT #101	20	1	21	1500				1500	22	1	20	SA2 UNIT #103
SA2 UNIT #101	20	1	23	1500				4500	24	2	60	RG UNIT #103
CT UNIT #101	20	2	25	1250				4500	26	–	—	↓
↓	—	–	27	1250					28			SPACE
GP1 UNIT #201	15	1	29	926				1261	30	1	15	GP1 UNIT #203
GP2 UNIT #201	15	1	31	926				156	32	1	15	FCU2 UNIT #203
FCU3 UNIT #201	15	1	33	222				1500	34	1	20	SA1 UNIT #203
SA1 UNIT #201	20	1	35	1500				1500	36	1	20	SA2 UNIT #203
SA2 UNIT #201	20	1	37	1500				4500	38	2	60	RG UNIT #203
CT UNIT #201	20	2	39	1250				4500	40	–	—	↓
↓	—	–	41	1250					42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPA
DATE:

Panel RPB

MAIN LUGS ONLY 225 A. MAIN BREAKER ___ A.
SERVICE: 208Y/120 3PH.,4W. / 480 3PH.,3W. / 480Y/277 3PH.,4W. / 240 3PH.,3W.
FEED: TOP / BOTTOM. MOUNTING: FLUSH / SURFACE. LUGS: SET SCREW / COMPRESSION. GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #102	15	1	1	926				1261	2	1	15	GP1 UNIT #104
GP2 UNIT #102	15	1	3	926				156	4	1	15	FCU2 UNIT #104
FCU3 UNIT #102	15	1	5	222				1500	6	1	20	SA1 UNIT #104
SA1 UNIT #102	20	1	7	1500				1500	8	1	20	SA2 UNIT #104
SA2 UNIT #102	20	1	9	1500				4500	10	2	60	RG UNIT #104
CT UNIT #102	20	2	11	1250				4500	12	–	—	↓
↓	—	–	13	1250					14			SPACE
GP1 UNIT #202	15	1	15	926				1261	16	1	15	GP1 UNIT #204
GP2 UNIT #202	15	1	17	926				156	18	1	15	FCU2 UNIT #204
FCU3 UNIT #202	15	1	19	222				1500	20	1	20	SA1 UNIT #204
SA1 UNIT #202	20	1	21	1500				1500	22	1	20	SA2 UNIT #204
SA2 UNIT #202	20	1	23	1500				4500	24	2	60	RG UNIT #204
CT UNIT #202	20	2	25	1250				4500	26	–	—	↓
↓	—	–	27	1250					28			SPACE
SPACE			29					1261	30	1	15	GP1 UNIT #301
WEST BZWAY LIGHTS	15	1	31	520				156	32	1	15	FCU2 UNIT #301
EAST BZWAY LIGHTS	15	1	33	520				1500	34	1	20	SA1 UNIT #301
W. STORAGE LIGHTS	15	1	35	184				1500	36	1	20	SA2 UNIT #301
			37					4500	38	2	60	RG UNIT #301
			39					4500	40	–	—	↓
			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPB
DATE:

Panel RPC

MAIN LUGS ONLY 225 A. MAIN BREAKER ___ A.
SERVICE: 208Y/120 3PH.,4W. / 480 3PH.,3W. / 480Y/277 3PH.,4W. / 240 3PH.,3W.
FEED: TOP / BOTTOM. MOUNTING: FLUSH / SURFACE. LUGS: SET SCREW / COMPRESSION. GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #003	15	1	1	1261				1261	2	1	15	GP1 UNIT #004
FCU2 UNIT #003	15	1	3	156				156	4	1	15	FCU2 UNIT #004
SA1 UNIT #003	20	1	5	1500				1500	6	1	20	SA1 UNIT #004
SA2 UNIT #003	20	1	7	1500				1500	8	1	20	SA2 UNIT #004
RG UNIT #003	60	2	9	4500				4500	10	2	60	RG UNIT #004
↓	—	–	11	4500				4500	12	–	—	↓
SPACE			13						14			SPACE
GP1 UNIT #105	15	1	15	1261				1261	16	1	15	GP1 UNIT #107
FCU2 UNIT #105	15	1	17	156				156	18	1	15	FCU2 UNIT #107
SA1 UNIT #105	20	1	19	1500				1500	20	1	20	SA1 UNIT #107
SA2 UNIT #105	20	1	21	1500				1500	22	1	20	SA2 UNIT #107
RG UNIT #105	60	2	23	4500				4500	24	2	60	RG UNIT #107
↓	—	–	25	4500				4500	26	–	—	↓
SPACE			27						28			SPACE
GP1 UNIT #205	15	1	29	1261				1261	30	1	15	GP1 UNIT #207
FCU2 UNIT #205	15	1	31	156				156	32	1	15	FCU2 UNIT #207
SA1 UNIT #205	20	1	33	1500				1500	34	1	20	SA1 UNIT #207
SA2 UNIT #205	20	1	35	1500				1500	36	1	20	SA2 UNIT #207
RG UNIT #205	60	2	37	4500				4500	38	2	60	RG UNIT #207
↓	—	–	39	4500				4500	40	–	—	↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPC
DATE:

Panel RPD

MAIN LUGS ONLY 225 A. MAIN BREAKER ___ A.
SERVICE: 208Y/120 3PH.,4W. / 480 3PH.,3W. / 480Y/277 3PH.,4W. / 240 3PH.,3W.
FEED: TOP / BOTTOM. MOUNTING: FLUSH / SURFACE. LUGS: SET SCREW / COMPRESSION. GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #106	15	1	1	1261				1261	2	1	15	GP1 UNIT #108
FCU2 UNIT #106	15	1	3	156				156	4	1	15	FCU2 UNIT #108
SA1 UNIT #106	20	1	5	1500				1500	6	1	20	SA1 UNIT #108
SA2 UNIT #106	20	1	7	1500				1500	8	1	20	SA2 UNIT #108
RG UNIT #106	60	2	9	4500				4500	10	2	60	RG UNIT #108
↓	—	–	11	4500				4500	12	–	—	↓
SPACE			13						14			SPACE
GP1 UNIT #206	15	1	15	1261				1261	16	1	15	GP1 UNIT #208
FCU2 UNIT #206	15	1	17	156				156	18	1	15	FCU2 UNIT #208
SA1 UNIT #206	20	1	19	1500				1500	20	1	20	SA1 UNIT #208
SA2 UNIT #206	20	1	21	1500				1500	22	1	20	SA2 UNIT #208
RG UNIT #206	60	2	23	4500				4500	24	2	60	RG UNIT #208
↓	—	–	25	4500				4500	26	–	—	↓
SPACE			27						28			SPACE
GP1 UNIT #302	15	1	29	1261				1261	30	1	15	GP1 UNIT #303
FCU2 UNIT #302	15	1	31	156				156	32	1	15	FCU2 UNIT #303
SA1 UNIT #302	20	1	33	1500				1500	34	1	20	SA1 UNIT #303
SA2 UNIT #302	20	1	35	1500				1500	36	1	20	SA2 UNIT #303
RG UNIT #302	60	2	37	4500				4500	38	2	60	RG UNIT #303
↓	—	–	39	4500				4500	40	–	—	↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPD
DATE:

Panel RPE

MAIN LUGS ONLY 225 A. MAIN BREAKER ___ A.
SERVICE: 208Y/120 3PH.,4W. / 480 3PH.,3W. / 480Y/277 3PH.,4W. / 240 3PH.,3W.
FEED: TOP / BOTTOM. MOUNTING: FLUSH / SURFACE. LUGS: SET SCREW / COMPRESSION. GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #005	15	1	1	1261				1300	2	1	15	CENTER BRZWAY LGTS
FCU2 UNIT #005	15	1	3	156				520	4	1	15	EAST CENTER BRZWY
SA1 UNIT #005	20	1	5	1500				520	6	1	15	EAST BRZWAY LIGHTS
SA2 UNIT #005	20	1	7	1500					8			SPACE
RG UNIT #005	60	2	9	4500					10			SPACE
↓	—	–	11	4500					12			SPACE
SPACE			13						14			SPACE
GP1 UNIT #109	15	1	15	1261				801	16	1	15	GP1 UNIT #111
FCU2 UNIT #109	15	1	17	156				108	18	1	15	FCU1 UNIT #111
SA1 UNIT #109	20	1	19	1500				1500	20	1	20	SA1 UNIT #111
SA2 UNIT #109	20	1	21	1500				1500	22	1	20	SA2 UNIT #111
RG UNIT #109	60	2	23	4500				1250	24	2	20	CT UNIT #111
↓	—	–	25	4500				1250	26	–	—	↓
SPACE			27						28			SPACE
GP1 UNIT #209	15	1	29	1261				720	30	1	15	GP1 UNIT #211
FCU2 UNIT #209	15	1	31	156				108	32	1	15	FCU1 UNIT #211
SA1 UNIT #209	20	1	33	1500				1500	34	1	20	SA1 UNIT #211
SA2 UNIT #209	20	1	35	1500				1500	36	1	20	SA2 UNIT #211
RG UNIT #209	60	2	37	4500				1250	38	2	20	CT UNIT #211
↓	—	–	39	4500				1250	40	–	—	↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPE
DATE:

Panel RPF

MAIN LUGS ONLY 225 A. MAIN BREAKER ___ A.
SERVICE: 208Y/120 3PH.,4W. / 480 3PH.,3W. / 480Y/277 3PH.,4W. / 240 3PH.,3W.
FEED: TOP / BOTTOM. MOUNTING: FLUSH / SURFACE. LUGS: SET SCREW / COMPRESSION. GROUNDING: ISO. GRD. BUS / GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #110	15	1	1	1261				801	2	1	15	GP1 UNIT #112
FCU2 UNIT #110	15	1	3	156				108	4	1	15	FCU1 UNIT #112
SA1 UNIT #110	20	1	5	1500				1500	6	1	20	SA1 UNIT #112
SA2 UNIT #110	20	1	7	1500				1500	8	1	20	SA2 UNIT #112
RG UNIT #110	60	2	9	4500				1250	10	2	20	CT UNIT #112
↓	—	–	11	4500				1250	12	–	—	↓
SPACE			13						14			SPACE
GP1 UNIT #210	15	1	15	1261				720	16	1	15	GP1 UNIT #212
FCU2 UNIT #210	15	1	17	156				108	18	1	15	FCU1 UNIT #212
SA1 UNIT #210	20	1	19	1500				1500	20	1	20	SA1 UNIT #212
SA2 UNIT #210	20	1	21	1500				1500	22	1	20	SA2 UNIT #212
RG UNIT #210	60	2	23	4500				1250	24	2	20	CT UNIT #212
↓	—	–	25	4500				1250	26	–	—	↓
SPACE			27						28			SPACE
GP1 UNIT #302	15	1	29	1261				720	30	1	15	GP1 UNIT #303
FCU2 UNIT #302	15	1	31	156				108	32	1	15	FCU1 UNIT #303
SA1 UNIT #302	20	1	33	1500				1500	34	1	20	SA1 UNIT #303
SA2 UNIT #302	20	1	35	1500				1500	36	1	20	SA2 UNIT #303
RG UNIT #302	60	2	37	4500				1250	38	2	20	CT UNIT #303
↓	—	–	39	4500				1250	40	–	—	↓
SPACE			41						42			SPACE

204731

JOB: NKU BUILDING No.3
PANEL No. RPF
DATE:

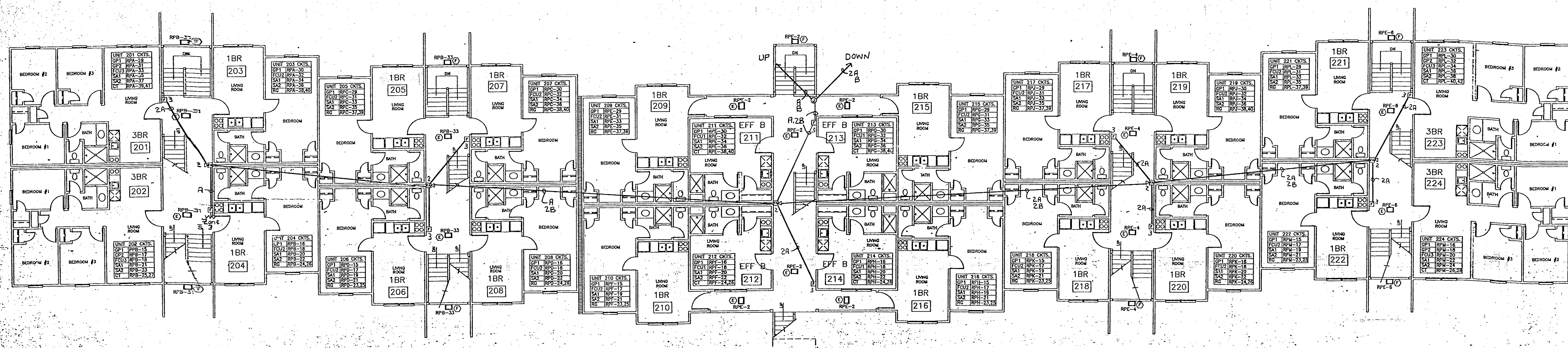
DRAWN BY: MJM DATE: 10-20-91
MATS 10-24-91
DRAWING NO. 102091-5
REVISION
R.F. BIEDERMAN COMPANY INC.
HAMILTON OHIO 45015
NKU Residential Village Development
Bldg 3 Basm't & First Floors
Fire Alarm System

REVISIONS:
8-30-91 ISS
10-11-91 ISS

NORTHERN KENTUCKY UNIVERSITY

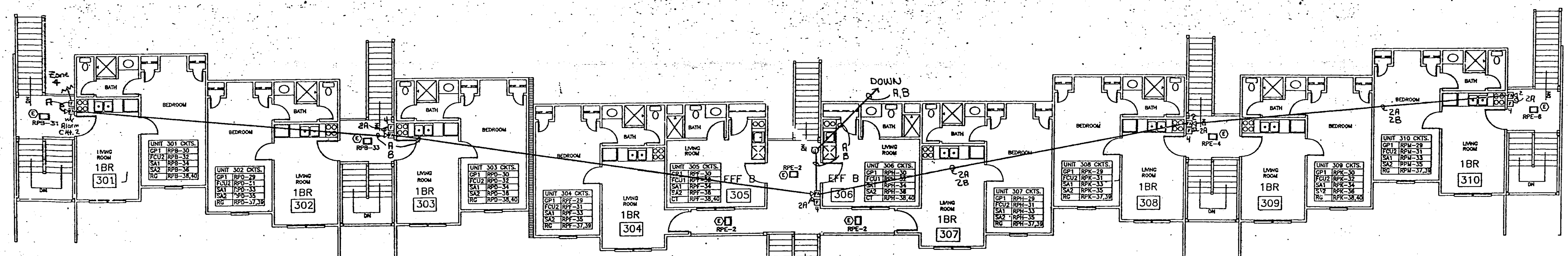
JOB NO.:
DATE:
DRAWN BY:
CHECKED:
PLOT DATE:
SHEET

TRI F.& R. R.E.A.D.



BUILDING 3- FLOOR PLAN

SCALE: 1/8" = 1'-0" 2nd FLOOR



BUILDING 3- FLOOR PLAN

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

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480Y/277 3PH.,4W. ☐ 480 3PH.,3W. ☐ 240 3PH.,3W.
FEED: ☐ TOP ■ BOTTOM MOUNTING: ■ FLUSH ☐ SURFACE LUGS: ■ SET SCREW ☐ COMPRESSION
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #006	15	1	1	1261				840	2	1	15	WEST STORAGE LGTS
FCU2 UNIT #006	15	1	3	156				732	4	1	15	EAST STORAGE LGTS
SA1 UNIT #006	20	1	5	1500				300	6	1	15	TELE/COMP. BOARD
SA2 UNIT #006	20	1	7	1500				300	8	1	15	CCTV BOARD
RG UNIT #006	60	2	9	4500					10			
↓ ↓ ↓	—	—	11	4500					12			
SPACE			13						14			
GP1 UNIT #115	15	1	15	1261				720	16	1	15	GP1 UNIT #113
FCU2 UNIT #115	15	1	17	156				108	18	1	15	FCU1 UNIT #113
SA1 UNIT #115	20	1	19	1500				1500	20	1	20	SA1 UNIT #113
SA2 UNIT #115	20	1	21	1500				1500	22	1	20	SA2 UNIT #113
RG UNIT #115	60	2	23	4500				1250	24	2	20	CT UNIT #113
↓ ↓ ↓	—	—	25	4500				1250	26	—	—	↓ ↓ ↓
SPACE			27						28			SPACE
GP1 UNIT #215	15	1	29	1261				720	30	1	15	GP1 UNIT #213
FCU2 UNIT #215	15	1	31	156				108	32	1	15	FCU1 UNIT #213
SA1 UNIT #215	20	1	33	1500				1500	34	1	20	SA1 UNIT #213
SA2 UNIT #215	20	1	35	1500				1500	36	1	20	SA2 UNIT #213
RG UNIT #215	60	2	37	4500				1250	38	2	20	CT UNIT #213
↓ ↓ ↓	—	—	39	4500				1250	40	—	—	↓ ↓ ↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPG
DATE:

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480Y/277 3PH.,4W. ☐ 480 3PH.,3W. ☐ 240 3PH.,3W.
FEED: ☐ TOP ■ BOTTOM MOUNTING: ■ FLUSH ☐ SURFACE LUGS: ■ SET SCREW ☐ COMPRESSION
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #116	15	1	1	1261				720	2	1	15	GP1 UNIT #114
FCU2 UNIT #116	15	1	3	156				108	4	1	15	FCU1 UNIT #114
SA1 UNIT #116	20	1	5	1500				1500	6	1	20	SA1 UNIT #114
SA2 UNIT #116	20	1	7	1500				1500	8	1	20	SA2 UNIT #114
RG UNIT #116	60	2	9	4500				1250	10	2	20	CT UNIT #114
↓ ↓ ↓	—	—	11	4500				1250	12	—	—	↓ ↓ ↓
SPACE			13						14			SPACE
GP1 UNIT #216	15	1	15	1261				720	16	1	15	GP1 UNIT #214
FCU2 UNIT #216	15	1	17	156				108	18	1	15	FCU1 UNIT #214
SA1 UNIT #216	20	1	19	1500				1500	20	1	20	SA1 UNIT #214
SA2 UNIT #216	20	1	21	1500				1500	22	1	20	SA2 UNIT #214
RG UNIT #216	60	2	23	4500				1250	24	2	20	CT UNIT #214
↓ ↓ ↓	—	—	25	4500				1250	26	—	—	↓ ↓ ↓
SPACE			27						28			SPACE
GP1 UNIT #305	15	1	29	1261				720	30	1	15	GP1 UNIT #304
FCU2 UNIT #305	15	1	31	156				108	32	1	15	FCU1 UNIT #306
SA1 UNIT #305	20	1	33	1500				1500	34	1	20	SA1 UNIT #304
SA2 UNIT #305	20	1	35	1500				1500	36	1	20	SA2 UNIT #306
RG UNIT #305	60	2	37	4500				1250	38	2	20	CT UNIT #304
↓ ↓ ↓	—	—	39	4500				1250	40	—	—	↓ ↓ ↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPH
DATE:

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480Y/277 3PH.,4W. ☐ 480 3PH.,3W. ☐ 240 3PH.,3W.
FEED: ☐ TOP ■ BOTTOM MOUNTING: ■ FLUSH ☐ SURFACE LUGS: ■ SET SCREW ☐ COMPRESSION
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #007	15	1	1	1261				1261	2	1	15	GP1 UNIT #008
FCU2 UNIT #007	15	1	3	156				156	4	1	15	FCU2 UNIT #008
SA1 UNIT #007	20	1	5	1500				1500	6	1	20	SA1 UNIT #008
SA2 UNIT #007	20	1	7	1500				1500	8	1	20	SA2 UNIT #008
RG UNIT #007	60	2	9	4500				4500	10	2	60	RG UNIT #008
↓ ↓ ↓	—	—	11	4500				4500	12	—	—	↓ ↓ ↓
SPACE			13						14			SPACE
GP1 UNIT #117	15	1	15	1261				1261	16	1	15	GP1 UNIT #119
FCU2 UNIT #117	15	1	17	156				156	18	1	15	FCU2 UNIT #119
SA1 UNIT #117	20	1	19	1500				1500	20	1	20	SA1 UNIT #119
SA2 UNIT #117	20	1	21	1500				1500	22	1	20	SA2 UNIT #119
RG UNIT #117	60	2	23	4500				4500	24	2	60	RG UNIT #119
↓ ↓ ↓	—	—	25	4500				4500	26	—	—	↓ ↓ ↓
SPACE			27						28			SPACE
GP1 UNIT #217	15	1	29	1261				1261	30	1	15	GP1 UNIT #219
FCU2 UNIT #217	15	1	31	156				156	32	1	15	FCU2 UNIT #219
SA1 UNIT #217	20	1	33	1500				1500	34	1	20	SA1 UNIT #219
SA2 UNIT #217	20	1	35	1500				1500	36	1	20	SA2 UNIT #219
RG UNIT #217	60	2	37	4500				4500	38	2	60	RG UNIT #219
↓ ↓ ↓	—	—	39	4500				4500	40	—	—	↓ ↓ ↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPJ
DATE:

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480Y/277 3PH.,4W. ☐ 480 3PH.,3W. ☐ 240 3PH.,3W.
FEED: ☐ TOP ■ BOTTOM MOUNTING: ■ FLUSH ☐ SURFACE LUGS: ■ SET SCREW ☐ COMPRESSION
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #118	15	1	1	1261				1261	2	1	15	GP1 UNIT #120
FCU2 UNIT #118	15	1	3	156				156	4	1	15	FCU2 UNIT #120
SA1 UNIT #118	20	1	5	1500				1500	6	1	20	SA1 UNIT #120
SA2 UNIT #118	20	1	7	1500				1500	8	1	20	SA2 UNIT #120
RG UNIT #118	60	2	9	4500				4500	10	2	60	RG UNIT #120
↓ ↓ ↓	—	—	11	4500				4500	12	—	—	↓ ↓ ↓
SPACE			13						14			SPACE
GP1 UNIT #218	15	1	15	1261				1261	16	1	15	GP1 UNIT #220
FCU2 UNIT #218	15	1	17	156				156	18	1	15	FCU2 UNIT #220
SA1 UNIT #218	20	1	19	1500				1500	20	1	20	SA1 UNIT #220
SA2 UNIT #218	20	1	21	1500				1500	22	1	20	SA2 UNIT #220
RG UNIT #218	60	2	23	4500				4500	24	2	60	RG UNIT #220
↓ ↓ ↓	—	—	25	4500				4500	26	—	—	↓ ↓ ↓
SPACE			27						28			SPACE
GP1 UNIT #308	15	1	29	1261				1261	30	1	15	GP1 UNIT #309
FCU2 UNIT #308	15	1	31	156				156	32	1	15	FCU2 UNIT #309
SA1 UNIT #308	20	1	33	1500				1500	34	1	20	SA1 UNIT #309
SA2 UNIT #308	20	1	35	1500				1500	36	1	20	SA2 UNIT #309
RG UNIT #308	60	2	37	4500				4500	38	2	60	RG UNIT #309
↓ ↓ ↓	—	—	39	4500				4500	40	—	—	↓ ↓ ↓
SPACE			41						42			SPACE

JOB: NKU BUILDING No.3
PANEL No. RPK
DATE:

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480Y/277 3PH.,4W. ☐ 480 3PH.,3W. ☐ 240 3PH.,3W.
FEED: ☐ TOP ■ BOTTOM MOUNTING: ■ FLUSH ☐ SURFACE LUGS: ■ SET SCREW ☐ COMPRESSION
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #009	15	1	1	1261				826	2	1	15	GP1 UNIT #010
FCU2 UNIT #009	15	1	3	156				826	4	1	15	GP2 UNIT #010
SA1 UNIT #009	20	1	5	1500				222	6	1	15	FCU3 UNIT #010
SA2 UNIT #009	20	1	7	1500				1500	8	1	20	SA1 UNIT #010
RG UNIT #009	60	2	9	4500				1500	10	1	20	SA2 UNIT #010
↓ ↓ ↓	—	—	11	4500				1250	12	2	20	CT UNIT #010
SPACE			13					1250	14	—	—	↓ ↓ ↓
GP1 UNIT #121	15	1	15	1261				826	16	1	15	GP1 UNIT #123
FCU2 UNIT #121	15	1	17	156				826	18	1	15	GP2 UNIT #123
SA1 UNIT #121	20	1	19	1500				222	20	1	15	FCU3 UNIT #123
SA2 UNIT #121	20	1	21	1500				1500	22	1	20	SA1 UNIT #123
RG UNIT #121	60	2	23	4500				1500	24	1	20	SA2 UNIT #123
↓ ↓ ↓	—	—	25	4500				1250	26	2	20	CT UNIT #123
SPACE			27					1250	28	—	—	↓ ↓ ↓
GP1 UNIT #221	15	1	29	1261				826	30	1	15	GP1 UNIT #223
FCU2 UNIT #221	15	1	31	156				826	32	1	15	GP2 UNIT #223
SA1 UNIT #221	20	1	33	1500				222	34	1	15	FCU3 UNIT #223
SA2 UNIT #221	20	1	35	1500				1500	36	1	20	SA1 UNIT #223
RG UNIT #221	60	2	37	4500				1500	38	1	20	SA2 UNIT #223
↓ ↓ ↓	—	—	39	4500				1250	40	2	20	CT UNIT #223
SPACE			41					1250	42	—	—	↓ ↓ ↓

JOB: NKU BUILDING No.3
PANEL No. RPL
DATE:

■ MAIN LUGS ONLY 225 A. ☐ MAIN BREAKER ___ A.
SERVICE: ■ 208Y/120 3PH.,4W. ☐ 480Y/277 3PH.,4W. ☐ 480 3PH.,3W. ☐ 240 3PH.,3W.
FEED: ☐ TOP ■ BOTTOM MOUNTING: ■ FLUSH ☐ SURFACE LUGS: ■ SET SCREW ☐ COMPRESSION
GROUNDING: ☐ ISO. GRD. BUS ■ GRD. BUS

LOAD	TRIP OR FUSE	P	CKT	LOAD VA	A	B	C	LOAD VA	CKT	P	TRIP OR FUSE	LOAD
GP1 UNIT #122	15	1	1	1261				826	2	1	15	GP1 UNIT #124
FCU2 UNIT #122	15	1	3	156				826	4	1	15	GP2 UNIT #124
SA1 UNIT #122	20	1	5	1500				222	6	1	15	FCU3 UNIT #124
SA2 UNIT #122	20	1	7	1500				1500	8	1	20	SA1 UNIT #124
RG UNIT #122	60	2	9	4500				1500	10	1	20	SA2 UNIT #124
↓ ↓ ↓	—	—	11	4500				1250	12	2	20	CT UNIT #124
SPACE			13					1250	14	—	—	↓ ↓ ↓
GP1 UNIT #222	15	1	15	1261				826	16	1	15	GP1 UNIT #224
FCU2 UNIT #222	15	1	17	156				826	18	1	15	GP2 UNIT #224
SA1 UNIT #222	20	1	19	1500				222	20	1	15	FCU3 UNIT #224
SA2 UNIT #222	20	1	21	1500				1500	22	1	20	SA1 UNIT #224
RG UNIT #222	60	2	23	4500				1500	24	1	20	SA2 UNIT #224
↓ ↓ ↓	—	—	25	4500				1250	26	2	20	CT UNIT #224
SPACE			27					1250	28	—	—	↓ ↓ ↓
GP1 UNIT #310	15	1	29	1261					30			
FCU2 UNIT #310	15	1	31	156					32			
SA1 UNIT #310	20	1	33	1500					34			
SA2 UNIT #310	20	1	35	1500					36			
RG UNIT #310	60	2	37	4500					38			
↓ ↓ ↓	—	—	39	4500					40			
SPACE			41						42			

JOB: NKU BUILDING No.3
PANEL No. RPM
DATE:

204732

NO.	REVISION	DATE	DRAWN BY	DATE	
			M.J.M.	10-20-91	R.A. BIEDERMANN COMPANY INC.
			A/HS	10-24-91	NKU Residential Village Development
			DRAWING NO. 102091-6		Bldg 3 Second & Third Floor Fire Alarm System

REVISIONS:
8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

RPR & Associates, Inc.
RECEIVED
NOV 14 1991
PROJECT #
O: / / / / File ☐
CC: ☐
CC: ☐
CC: ☐
CC: SUPERINTENDENT ☐
CC: T/F ☐

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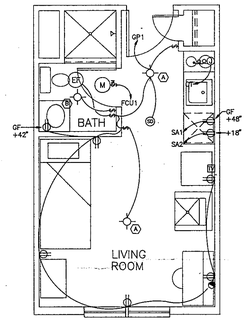
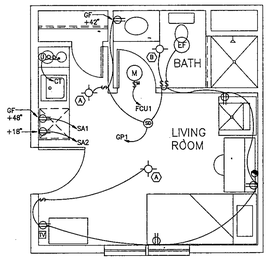
NORTHERN KENTUCKY UNIVERSITY RESIDENTIAL VILLAGE DEVELOPMENT HIGHLAND HEIGHTS, KENTUCKY

BUILDING 3
FLOORS 2 & 3
ELECTRICAL
PLANS

JOB NO. 3143
DATE: 8-30-91
DRAWN BY: DAS
CHECKED: DSK
PLOT DATE: 10-9-91
SHEET NUMBER
E3-8



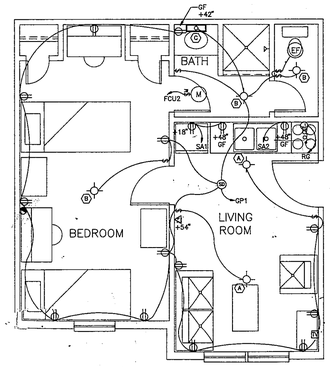
EFF. TYPE A



EFF. TYPE B

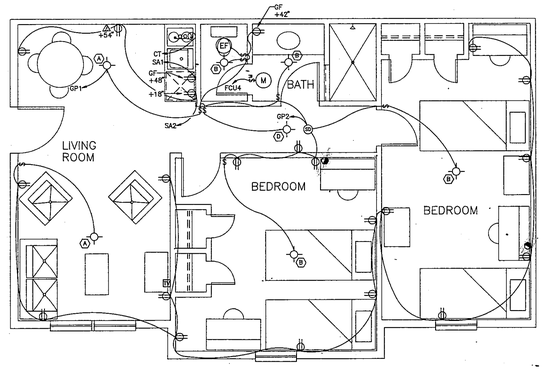
EFF. UNIT FLOOR PLANS

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



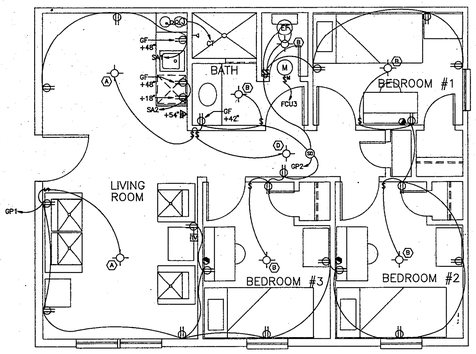
1-BR UNIT FLOOR PLAN

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



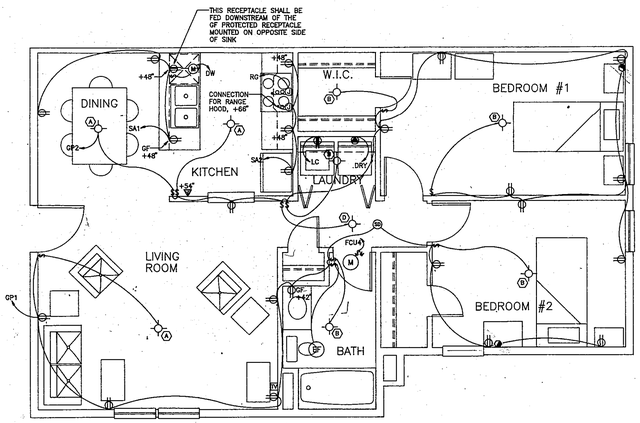
2-BR UNIT FLOOR PLAN

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



3-BR UNIT FLOOR PLAN

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



COMPLEX DIRECTORS APT.

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

SYMBOL LEGEND

- DUPLEX RECEPTACLE 15A.,125 VAC, NEMA 5-15R. MOUNT AT 18" A.F.F. UNLESS OTHERWISE NOTED. GF=GROUND FAULT PROTECTED RECEPTACLE
- JUNCTION BOX OR OUTLET BOX
- SPECIAL OUTLET AS NOTED
- DUAL TELEPHONE OUTLET, MOUNT AT 18" A.F.F. UNLESS OTHERWISE NOTED
- COMBINATION TELEPHONE/DATA OUTLET, DATA OUTLET TO BE "KEYED". MOUNT AT 18" A.F.F. UNLESS OTHERWISE NOTED.
- CABLE TV OUTLET, MOUNT AT 18" A.F.F. UNLESS OTHERWISE NOTED
- SPST SWITCH, MOUNTED AT 48" A.F.F. UNLESS OTHERWISE NOTED
- SURFACE MOUNTED INCANDESCENT FIXTURE
- INCANDESCENT FIXTURE
- FLUORESCENT STRIP FIXTURE
- LUMINAIRE TYPE "A", REFER TO LUMINAIRE SCHEDULE
- CEILING MOUNTED SMOKE DETECTOR
- MANUAL FIRE ALARM PULL STATION
- FIRE ALARM HORN

GENERAL NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. ALL OUTLET MOUNTING HEIGHTS ARE TO DEVICE CENTERLINE UNLESS OTHERWISE NOTED.
3. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #14 AWG (CU.).
4. SOME APARTMENT UNITS MAY APPEAR OPPOSITE HAND.

CIRCUIT DESIGNATION SCHEDULE

HOME RUN DESIGNATION	CIRCUIT TYPE	CIRCUIT BREAKER	CONDUCTOR SIZE
GP*	GENERAL PURPOSE	15A./1P	14 AWG
SA*	SMALL APPLIANCE	20A./1P	12 AWG
CT	COOK TOP	20A./2P	12 AWG
RG	RANGE/OVEN	60A./2P	6 AWG
DW	DISHWASHER	20A./1P	12 AWG
LC	LAUNDRY CIRCUIT	20A./1P	12 AWG
DRY	CLOTHES DRYER	30A./1P	10 AWG
FCU1	FAN COIL UNIT	15A./1P	14 AWG
FCU2	FAN COIL UNIT	15A./1P	14 AWG
FCU3	FAN COIL UNIT	15A./1P	14 AWG
FCU4	FAN COIL UNIT	15A./1P	14 AWG

* INDICATES A 1 OR 2 WHERE MULTIPLE CIRCUITS MAY BE USED.

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LAMP(S)	VOLTAGE	MOUNTING	COMMENTS
A	PROGRESS P3520-30 INCANDESCENT FIXTURE w/WHITE CANOPY	(2)75W. A-19	120	SURFACE	LIVING ROOM & KITCHEN FIXTURE
B	PROGRESS P3518-30 INCANDESCENT FIXTURE w/WHITE CANOPY	(1)100W. A-19	120	SURFACE	BEDROOM & BATHROOM FIXTURE
C	PROGRESS P3065 INCANDESCENT FIXTURE w/WHITE GLASS	(2)75W. A-19	120	WALL	BATHROOM OVERMIRROR FIXTURE
D	PROGRESS P3516-30 INCANDESCENT FIXTURE w/WHITE CANOPY	(1)60W. A-19	120	SURFACE	HALL FIXTURE
E	HUBBELL NRG-456 FLUORESCENT FIXTURE	(2)25W. QUAD.	120	SURFACE	BREEZEWAY FIXTURE
F	LUMARK MHWL-175W-120	(1)175W. MH	120	WALL	EXTERIOR SECURITY FIXTURE
G	METALUX SS-240, 4'-RAPID START FLUORESCENT FIXTURE	(2)F40CW	120	SURFACE	STORAGE AREA FIXTURE
H	HI-TEK KQR400MRSS TYPE 5 DISTRIBUTION OR EQUAL, (1) FIXTURE MOUNTED ON A 25' POLE	(1)400W. MH	480	POLE	WALKWAY LIGHTING
J	HI-TEK KQR400MR3S TYPE 3 DISTRIBUTION OR EQUAL, (1) FIXTURE MOUNTED ON A 25' POLE	(1)400W. MH	480	POLE	WALKWAY LIGHTING
K	HI-TEK KAR400MR3S TYPE 3 DISTRIBUTION OR EQUAL, (2) FIXTURES MOUNTED ON A 30' POLE	(1)400W. MH EACH	480	POLE	PARKING LOT ASSEMBLY
L	400W. MERCURY FIXTURE, 277V. TO MATCH EXISTING	(1)400W. MV	277	CONCRETE STRUCTURE	CONCRETE STRUCTURE BY OTHERS

204238

REVISIONS:
8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW

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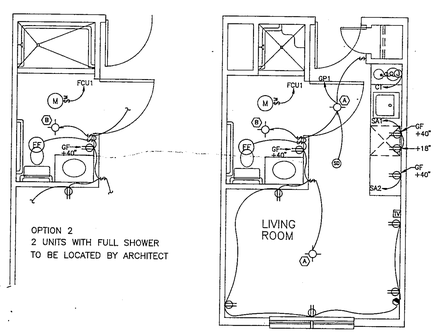
NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

TYPICAL APARTMENT ELECTRICAL PLANS

JOB NO. 3143
DATE: 8-30-91
DRAWN BY: DAS
CHECKED: DSK
PLOT DATE: 10-9-91

SHEET NUMBER
EA-15

TRI F.& R. R.E.A.D.

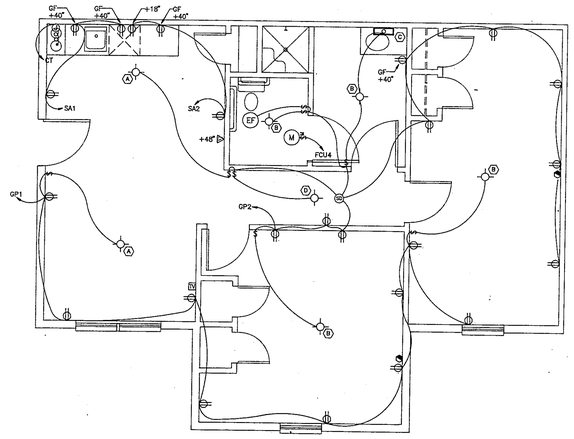


EFF. TYPE A

EFF. TYPE B

EFF. UNIT HAND. PLANS

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

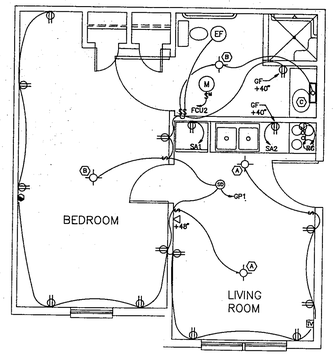


2-BR UNIT HAND. PLAN

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

GENERAL NOTES:

1. ALL DEVICE LOCATIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED OR DIMENSIONED.
2. ALL OUTLET MOUNTING HEIGHTS ARE TO DEVICE CENTERLINE UNLESS OTHERWISE NOTED.
3. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #14 AWG (CU.).
4. SOME APARTMENT UNITS MAY APPEAR OPPOSITE HAND.
5. SEE "CIRCUIT DESIGNATION SCHEDULE" ON SHEET EA-15 FOR ADDITIONAL APARTMENT UNIT CIRCUITING INFORMATION.
6. SEE SHEET EA-15 FOR "LUMINAIRE SCHEDULE" AND "SYMBOL LEGEND".



1-BR UNIT HAND. PLAN

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

204239

TRI F.& R. R.E.A.D.

REVISIONS:

8-30-91 ISSUED FOR REVIEW
10-11-91 ISSUED FOR REVIEW.

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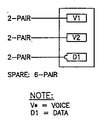
NORTHERN KENTUCKY UNIVERSITY RESIDENTIAL VILLAGE DEVELOPMENT HIGHLAND HEIGHTS, KENTUCKY

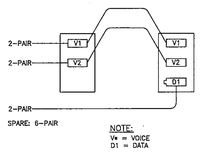
TYPICAL H.C.A. APARTMENT ELECTRICAL PLANS

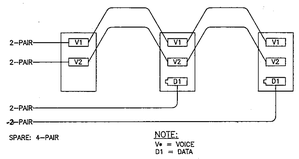
JOB NO.	3143
DATE:	8-30-91
DRAWN BY:	DAS
CHECKED:	DSK
PLOT DATE:	10-9-91

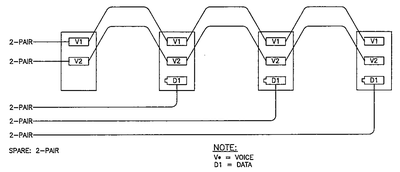
SHEET NUMBER

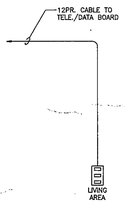
EA-16



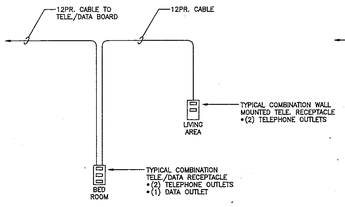




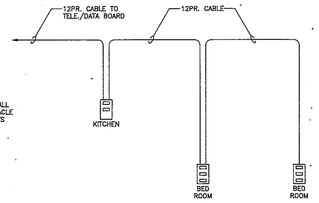




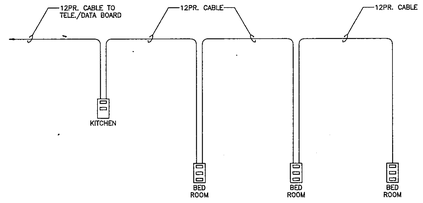
EFFICIENCY UNIT



1 BEDROOM UNIT



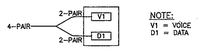
2 BEDROOM UNIT



3 BEDROOM UNIT

TYPICAL APARTMENT UNIT TELEPHONE/DATA WIRING DIAGRAMS

NO SCALE



TYPICAL COMMONS BUILDING TELEPHONE/DATA WIRING DIAGRAM

NO SCALE

COMMONS BUILDING ZONE LIST

ZONE	AREA
1	BUILDING No.1
2	BUILDING No.2
3	BUILDING No.3
4	BUILDING No.4
5	BUILDING No.5
6	BUILDING No.6
7	BUILDING No.7
8	EXISTING DORM BLDG. No.1
9	EXISTING DORM BLDG. No.2
10	MANUAL STATIONS
11	KITCHEN HEAT DETECTORS
12	WATER FLOW SWITCH
13	TAMPER SWITCHES (NON-ALARM)
14	AHU-1 SMOKE DETECTOR
15	AHU-2 SMOKE DETECTOR
16	SPARE

BLDGS. No.4,5,6 & 7 ZONE LIST

ZONE	AREA
1	BUILDING No.4 FIRST FLOOR
2	BUILDING No.4 SECOND FLOOR
3	BUILDING No.4 THIRD FLOOR
4	BUILDING No.4 WATER FLOW
5	BUILDING No.5 FIRST FLOOR
6	BUILDING No.5 SECOND FLOOR
7	BUILDING No.5 THIRD FLOOR
8	BUILDING No.5 WATER FLOW
9	BUILDING No.6 FIRST FLOOR
10	BUILDING No.6 SECOND FLOOR
11	BUILDING No.6 THIRD FLOOR
12	BUILDING No.6 WATER FLOW
13	BUILDING No.7 FIRST FLOOR
14	BUILDING No.7 SECOND FLOOR
15	BUILDING No.7 THIRD FLOOR
16	BUILDING No.7 WATER FLOW

BLDG. No.1 ZONE LIST

ZONE	AREA
1	BASEMENT
2	FIRST FLOOR
3	SECOND FLOOR
4	THIRD FLOOR
5	WATER FLOW SWITCH

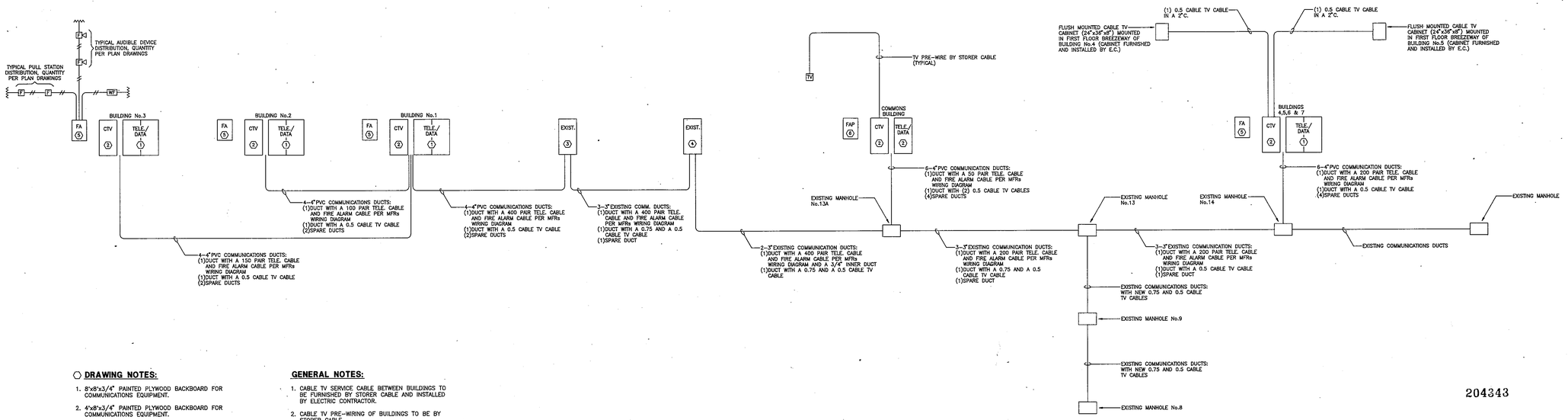
BLDG. No.2 ZONE LIST

ZONE	AREA
1	BASEMENT
2	FIRST FLOOR
3	SECOND FLOOR
4	THIRD FLOOR
5	WATER FLOW SWITCH

BLDG. No.3 ZONE LIST

ZONE	AREA
1	BASEMENT
2	FIRST FLOOR
3	SECOND FLOOR
4	THIRD FLOOR
5	WATER FLOW SWITCH

FIRE ALARM ZONES



204343

DRAWING NOTES:

1. 8'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR COMMUNICATIONS EQUIPMENT.
2. 4'x8'x3/4" PAINTED PLYWOOD BACKBOARD FOR COMMUNICATIONS EQUIPMENT.
3. EXISTING COMMUNICATIONS BOARD IN WEST COMMONS BUILDING No.2.
4. EXISTING COMMUNIATIONS BOARD IN EAST COMMONS BUILDING No.1.
5. FIRE ALARM CABLE TERMINATION POINT LOCATED IN ELECTRIC ROOM.
6. FIRE ALARM PANEL LOCATED IN MAIN LOBBY OF COMMONS BUILDING.

GENERAL NOTES:

1. CABLE TV SERVICE CABLE BETWEEN BUILDINGS TO BE FURNISHED BY STORER CABLE AND INSTALLED BY ELECTRIC CONTRACTOR.
2. CABLE TV PRE-WIRING OF BUILDINGS TO BE BY STORER CABLE.

COMMUNICATIONS SERVICE RISER DIAGRAM

NO SCALE

REVISIONS:
10-11-91 ISSUED FOR REVIEW
1-30-92 RECORD DRAWINGS

RPR
RPR & ASSOCIATES, INC.

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NORTHERN KENTUCKY UNIVERSITY
RESIDENTIAL VILLAGE DEVELOPMENT
HIGHLAND HEIGHTS, KENTUCKY

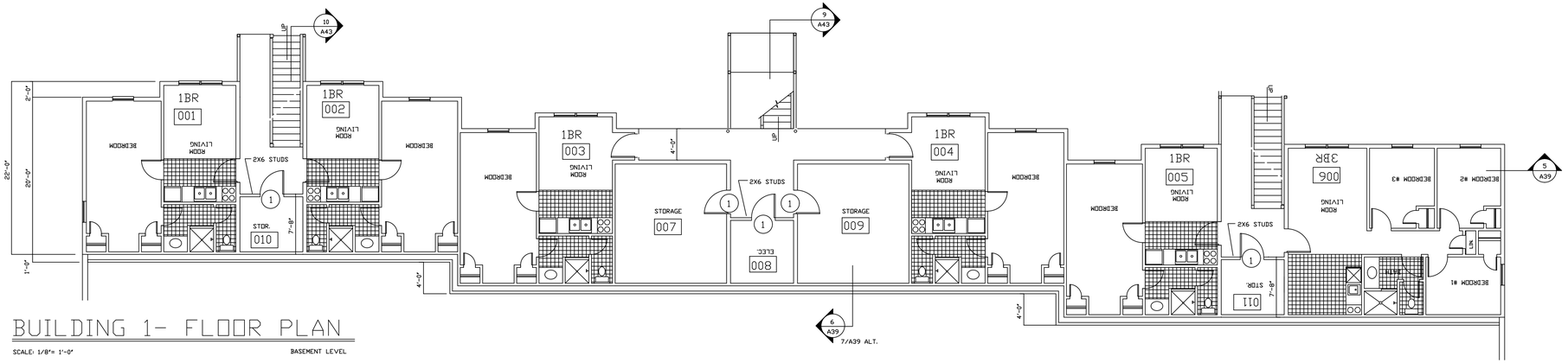
COMMUNICATIONS SERVICE RISER DIAGRAM.

JOB NO.	3143
DATE:	10-11-91
DRAWN BY:	DAS
CHECKED:	DSK
PLOT DATE:	10-9-91

SHEET NUMBER

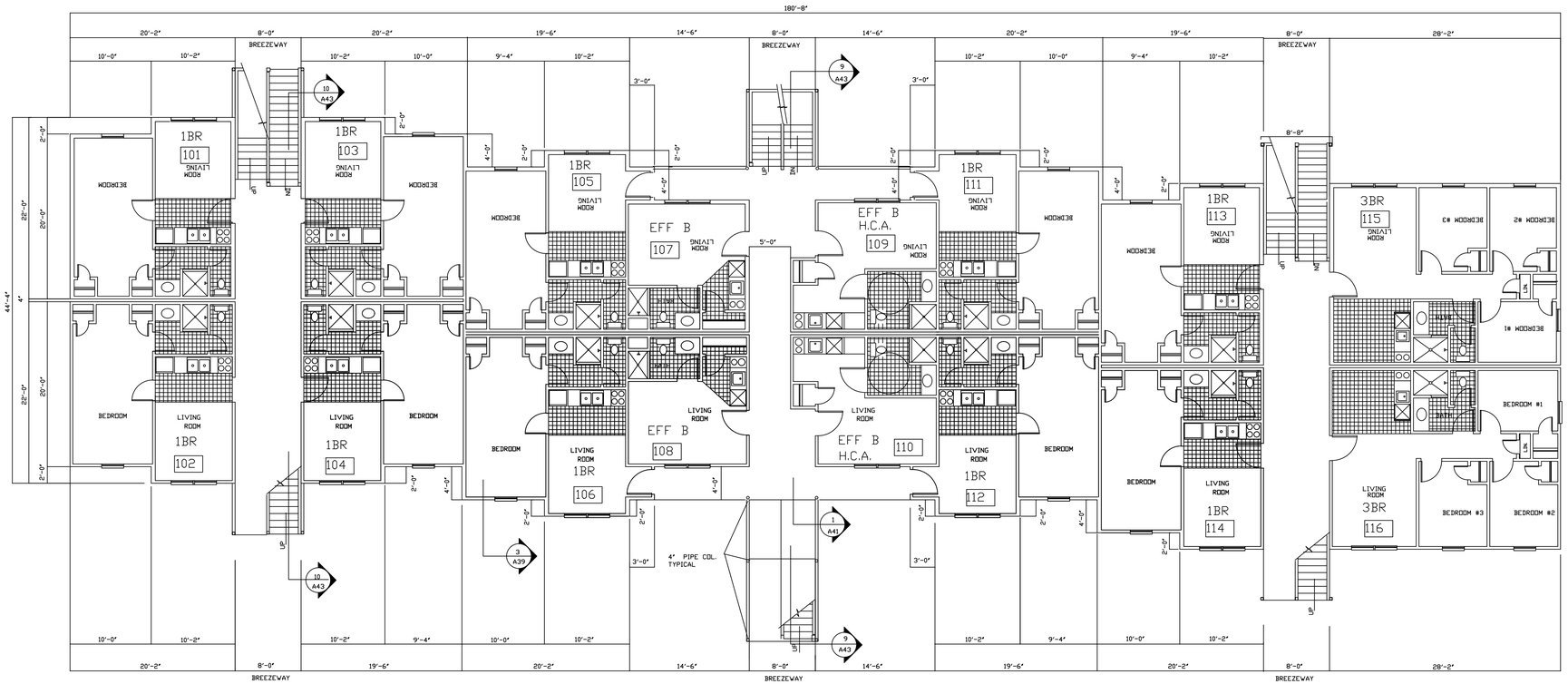
ER-23

TRI F.& R. R.E.A.D.



BUILDING 1- FLOOR PLAN

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



BUILDING 1- FLOOR PLAN

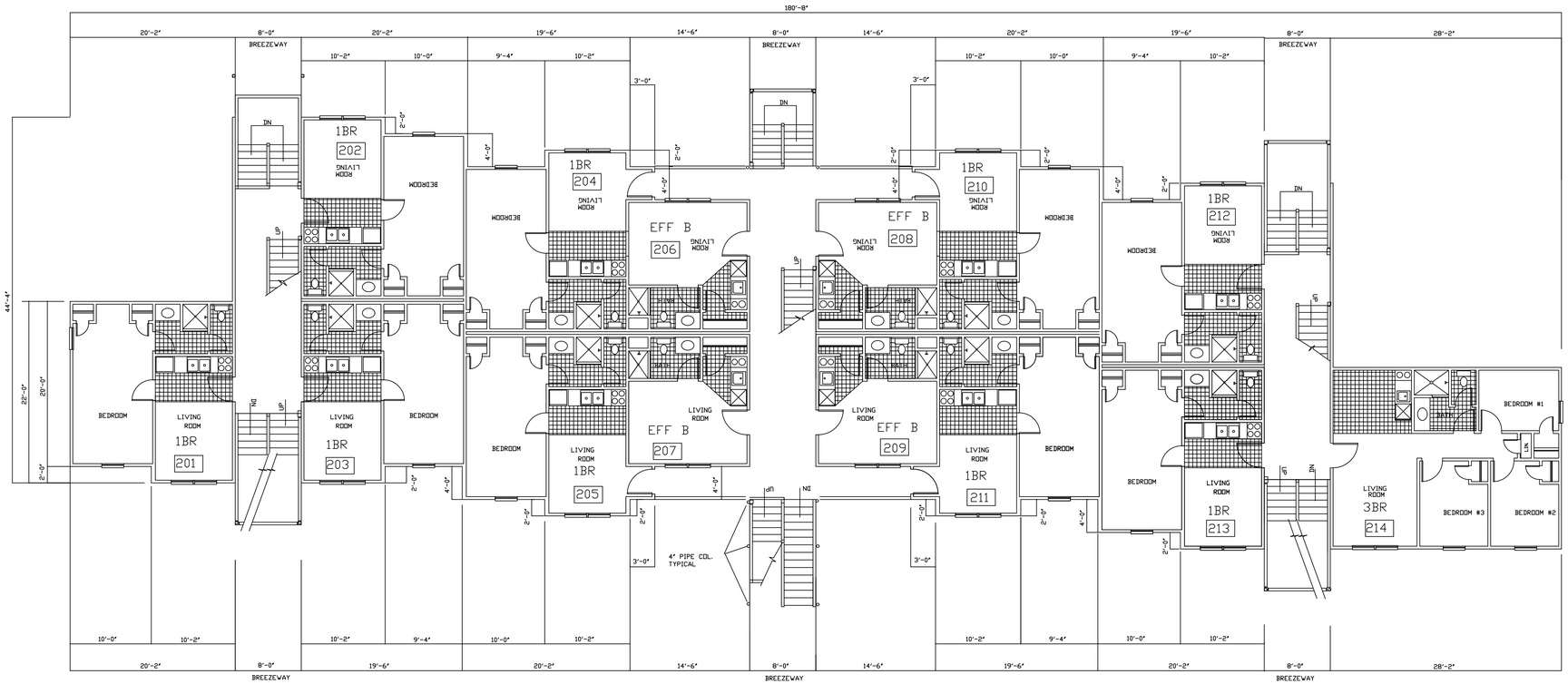
SCALE: 1/8"= 1'-0" 1st FLOOR

12-20-91
09-24-91

NORTHERN KENTUCKY UNIVERSITY

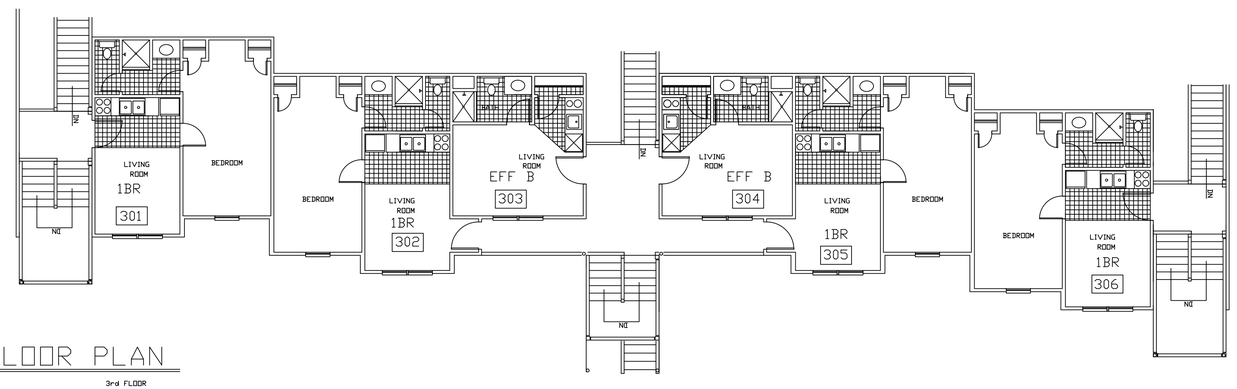
Residential Village Development (RFP041790)

BUILDING 1 FLOOR PLAN



BUILDING 1- FLOOR PLAN

SCALE: 1/8"= 1'-0" 2nd FLOOR



BUILDING 1- FLOOR PLAN

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

NORTHERN KENTUCKY UNIVERSITY

Residential Village Development (RFP041790)

BUILDING 1 FLOOR PLAN

09-23-91

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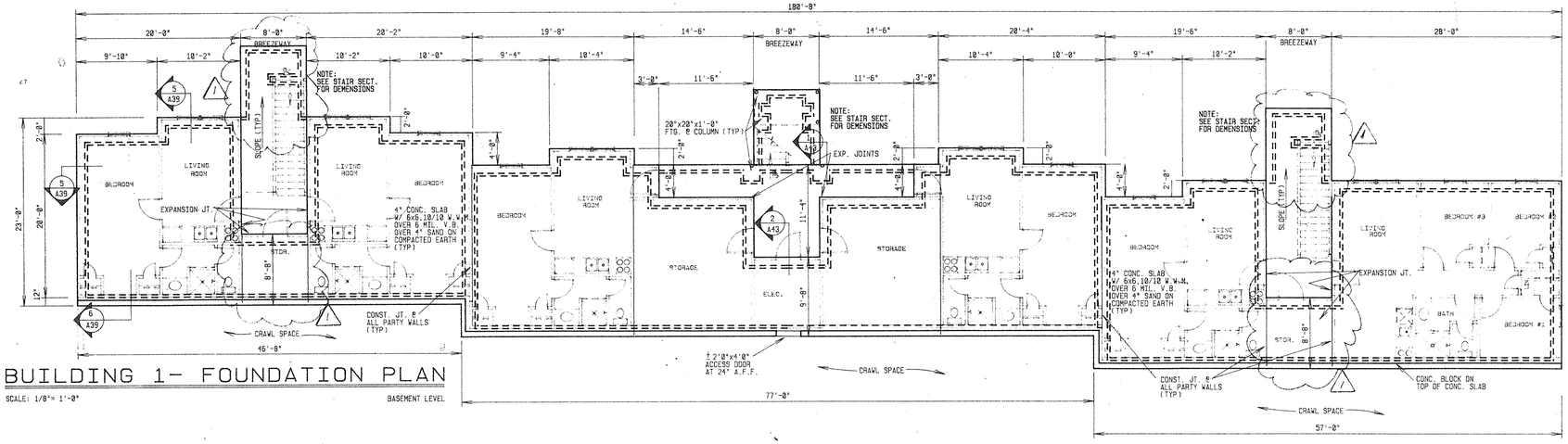
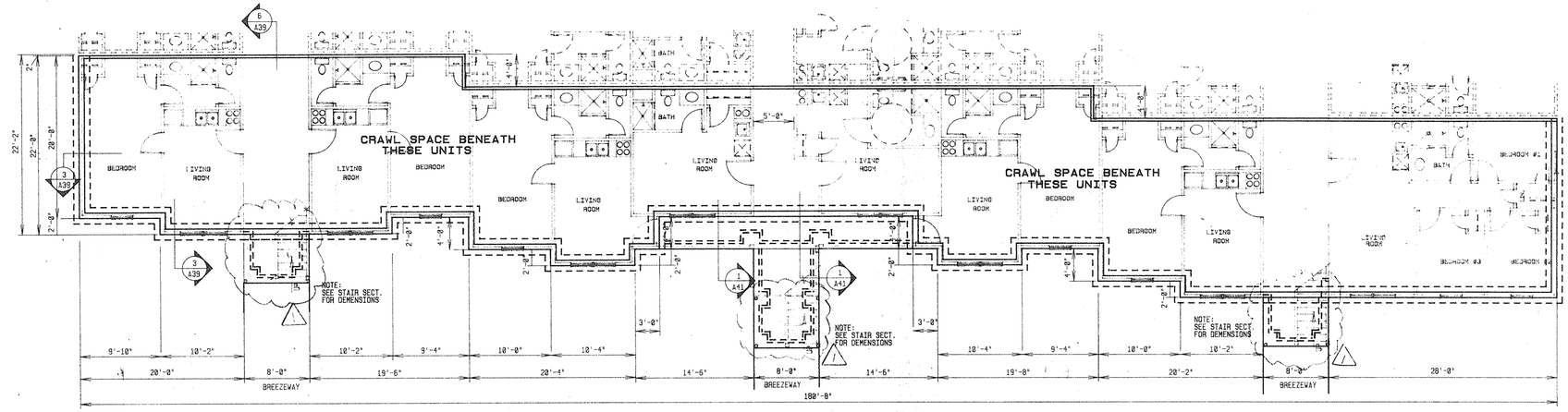


BUILDING 1- FOUNDATION PLAN

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



BUILDING 1- FOUNDATION PLAN

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

NORTHERN KENTUCKY UNIVERSITY
Residential Village Development (RFP041790)

BUILDING 1- FOUNDATION PLAN

REVISIONS	FILE NO.	SCALE:	DRAWN BY:	DATE:	JOB NO.	SHEET NO.
7-22-91	B4	1/8"= 1'-0"	PE	7/12/91	3490	A-16

JUL 1991 RPR & Associates RECEIVED

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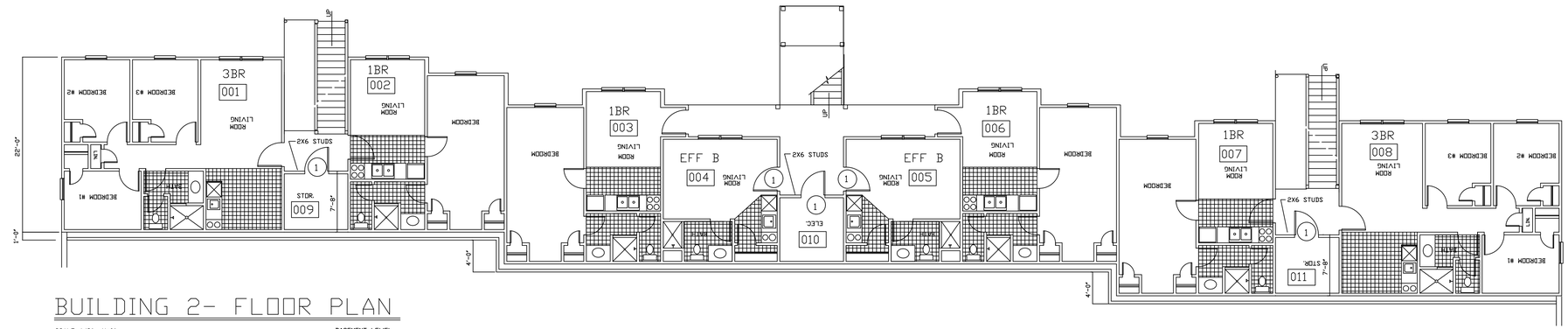
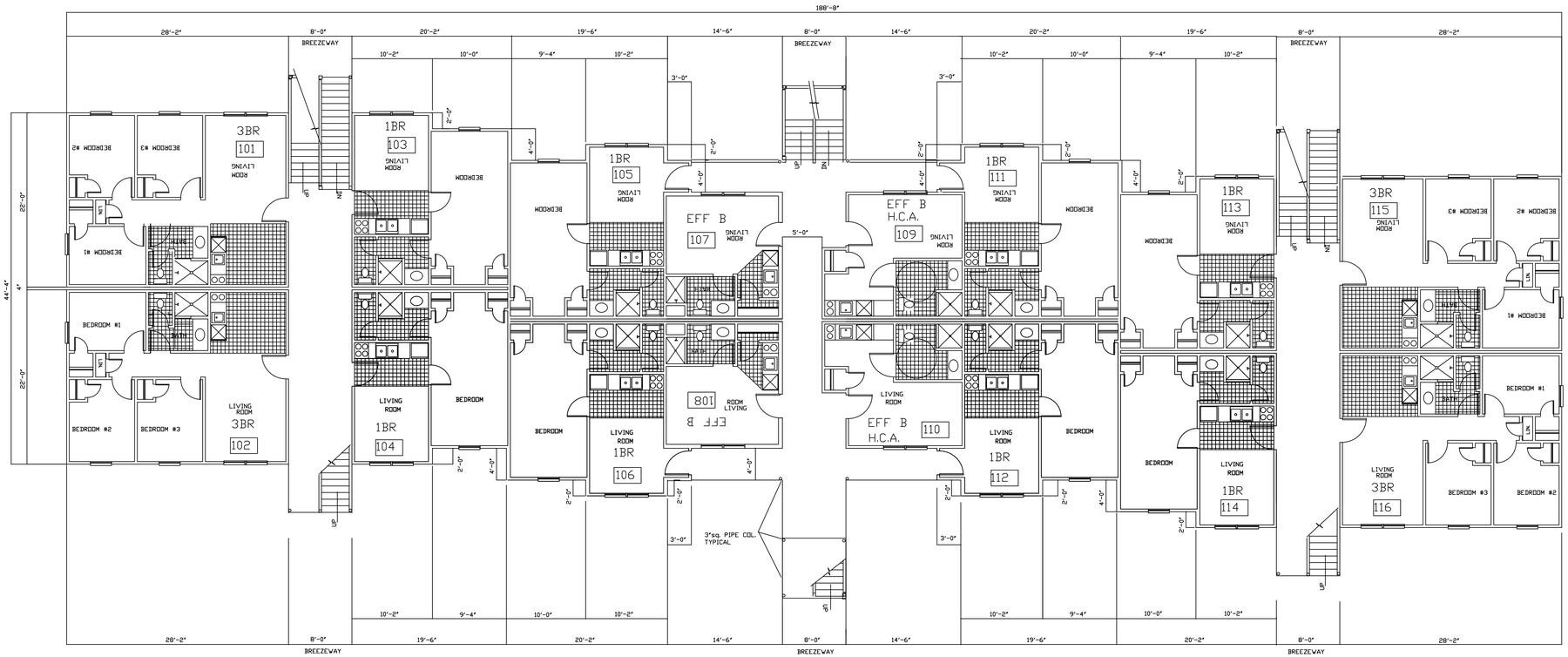


BUILDING 2- FLOOR PLAN

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



BUILDING 2- FLOOR PLAN

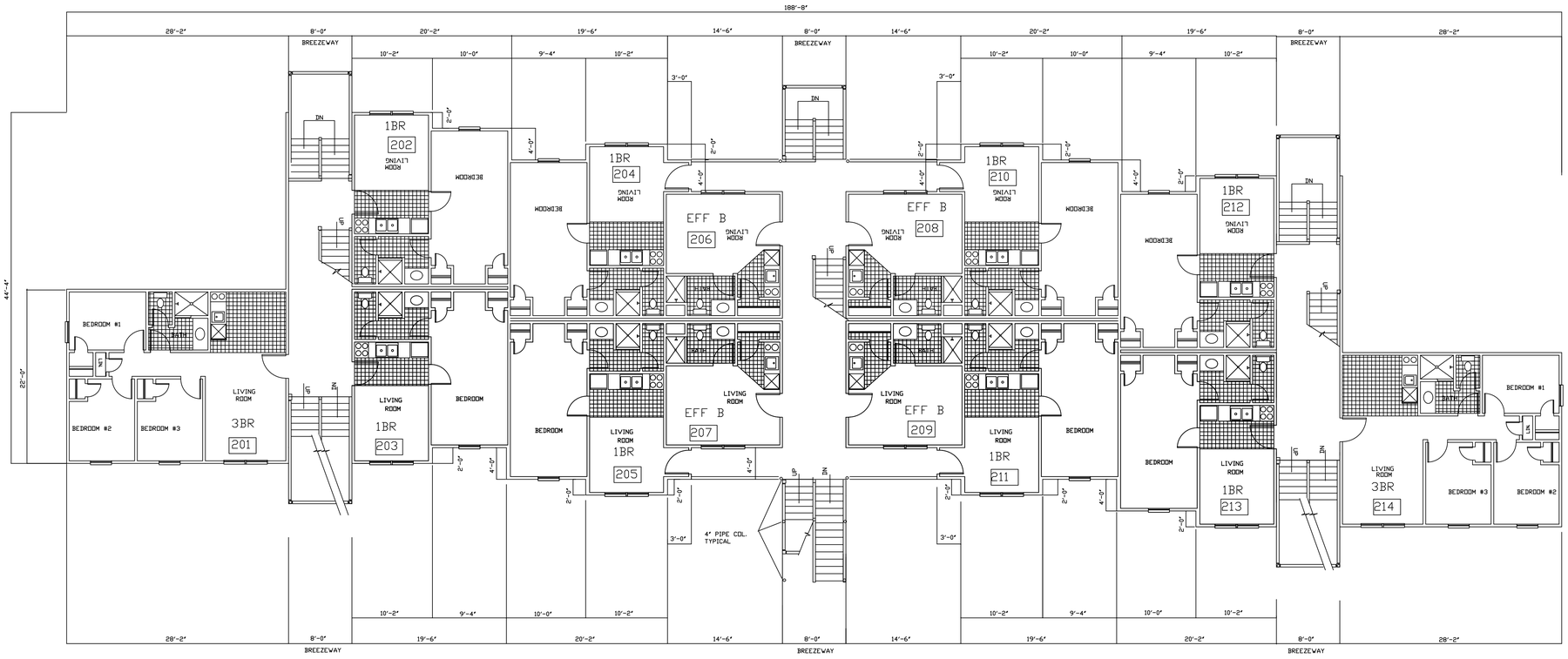
SCALE: 1/8"= 1'-0" 1st FLOOR

NORTHERN KENTUCKY UNIVERSITY

Residential Village Development (RFP041790)

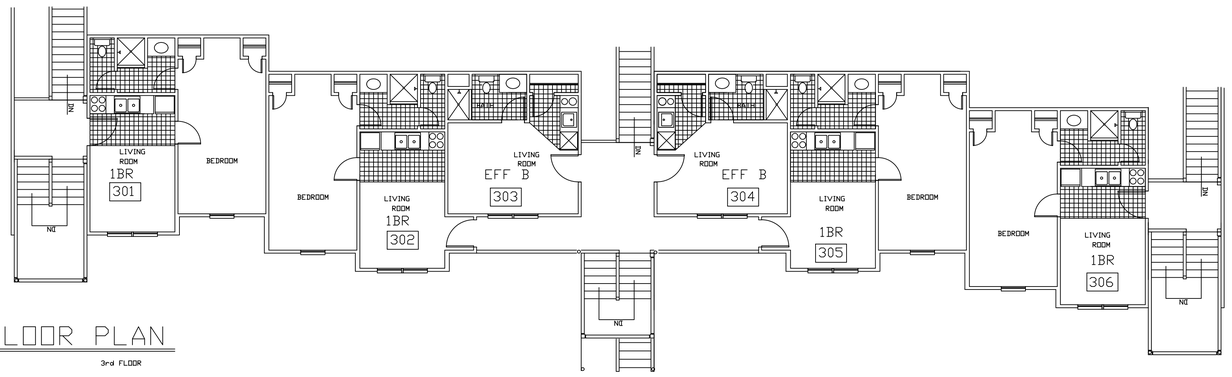
BUILDING 2 FLOOR PLAN

12-20-91
09-24-91



BUILDING 2- FLOOR PLAN

SCALE: 1/8"= 1'-0" 2nd FLOOR



BUILDING 2- FLOOR PLAN

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

09-24-91

NORTHERN KENTUCKY UNIVERSITY

Residential Village Development (RFP041790)

BUILDING 2 FLOOR PLAN

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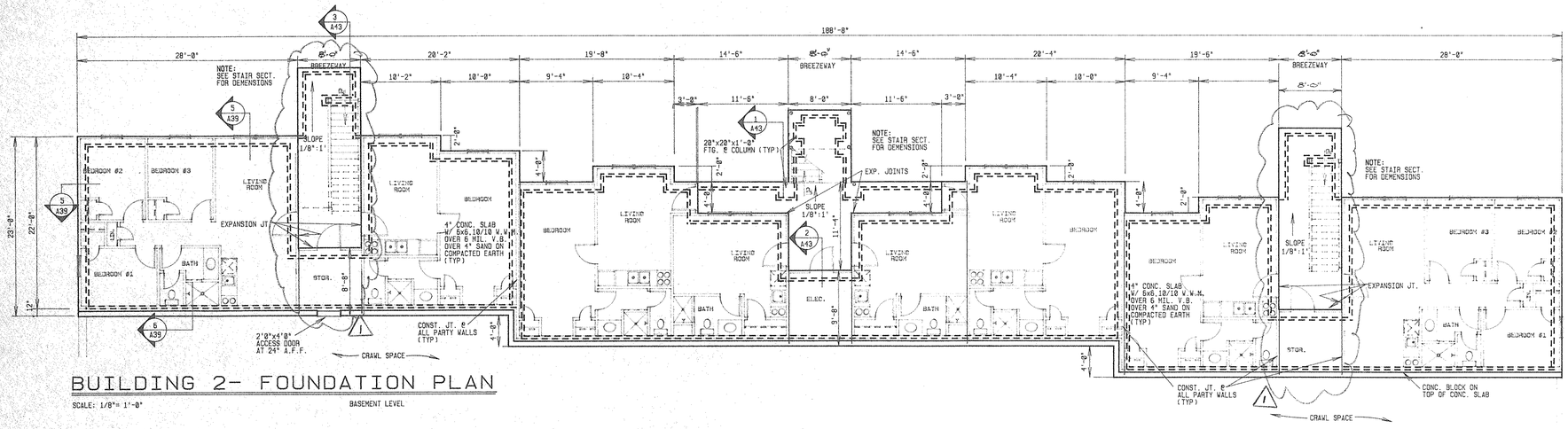
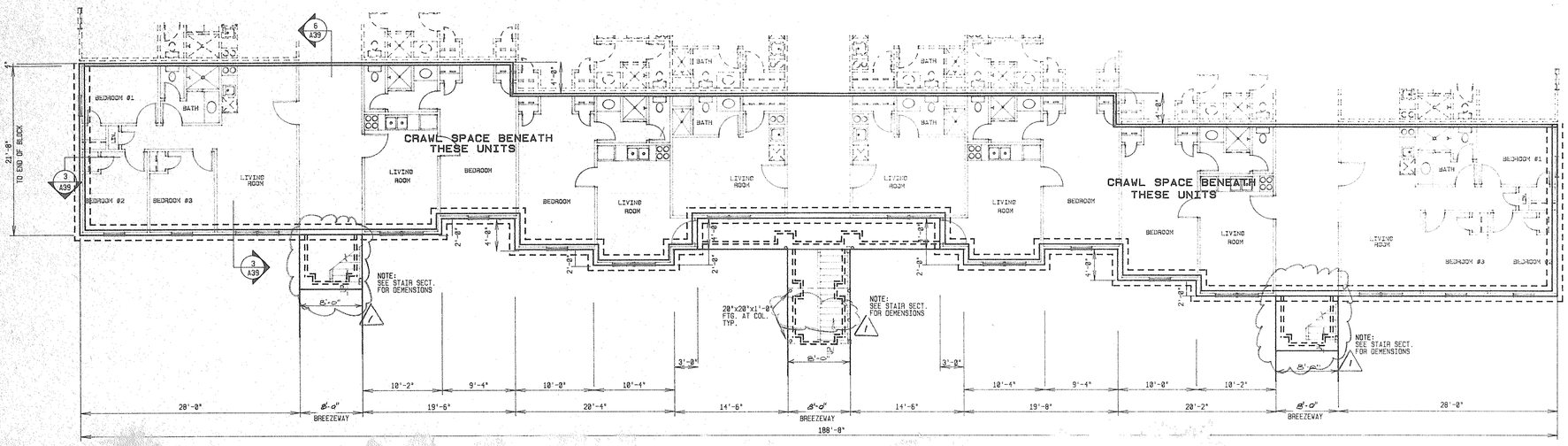


BUILDING 2- FOUNDATION PLAN

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

BASEMENT LEVEL



2- FOUN

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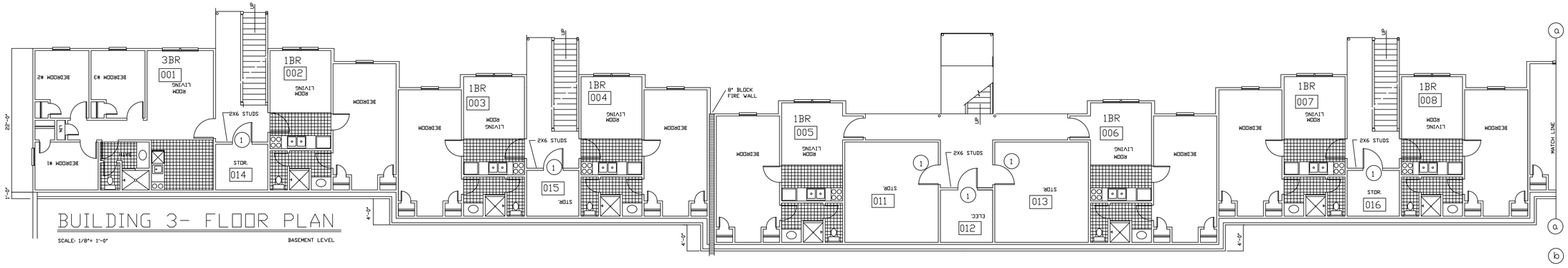
NORTHERN KENTUCKY UNIVERSITY
Development (RFP041790)

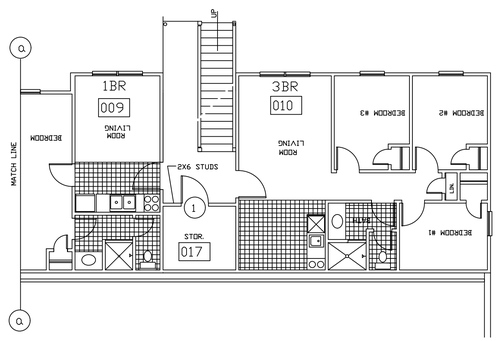
BUILDING 2 - FOUNDATION PLAN

JOB NO. 3190 DATE: 7/12/91 DRAWN BY: SCALE: FILE NO. 7-22-91 REVISIONS:



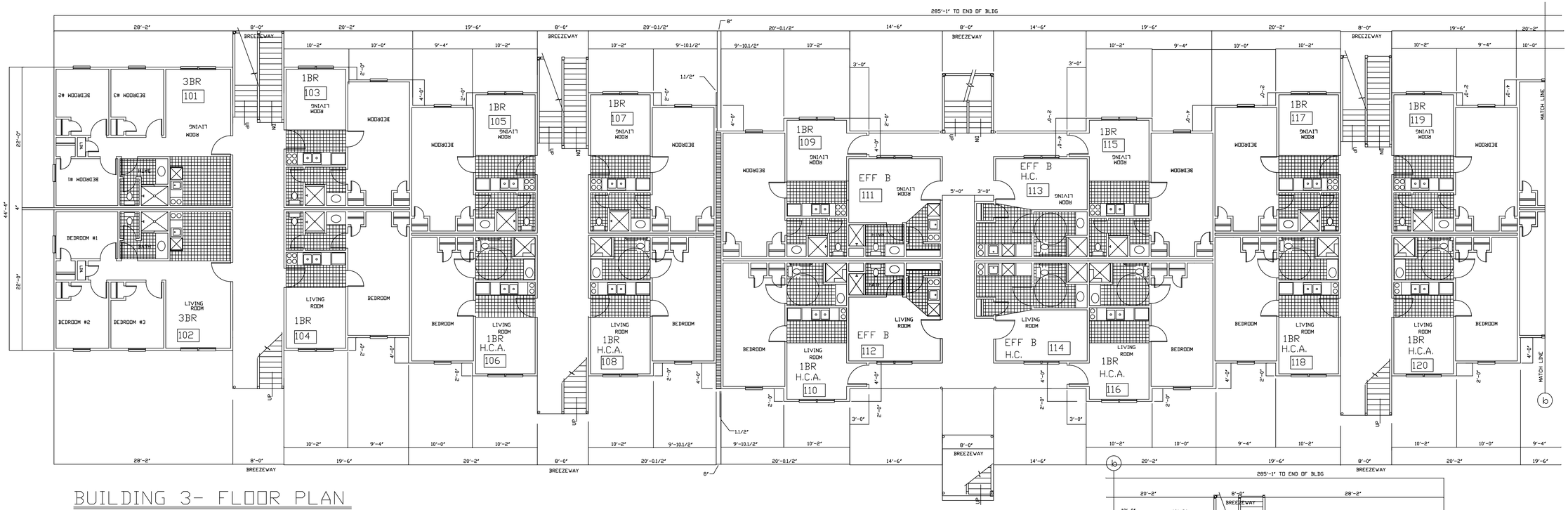
BUILDING 3- FLOOR PLAN

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



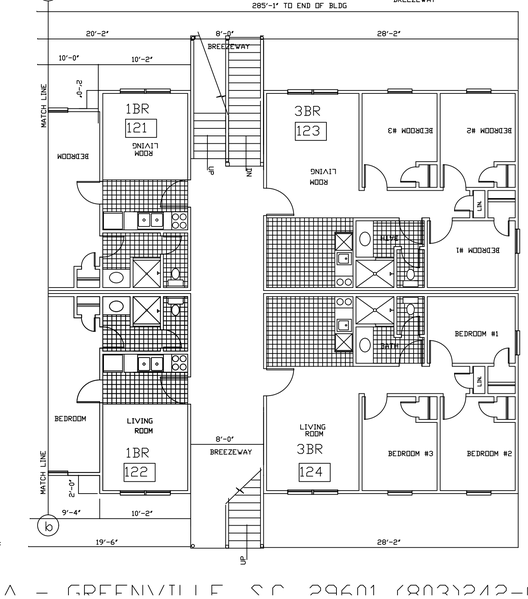
BUILDING 3- FLOOR PLAN

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



BUILDING 3- FLOOR PLAN

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



BUILDING 3- FLOOR PLAN

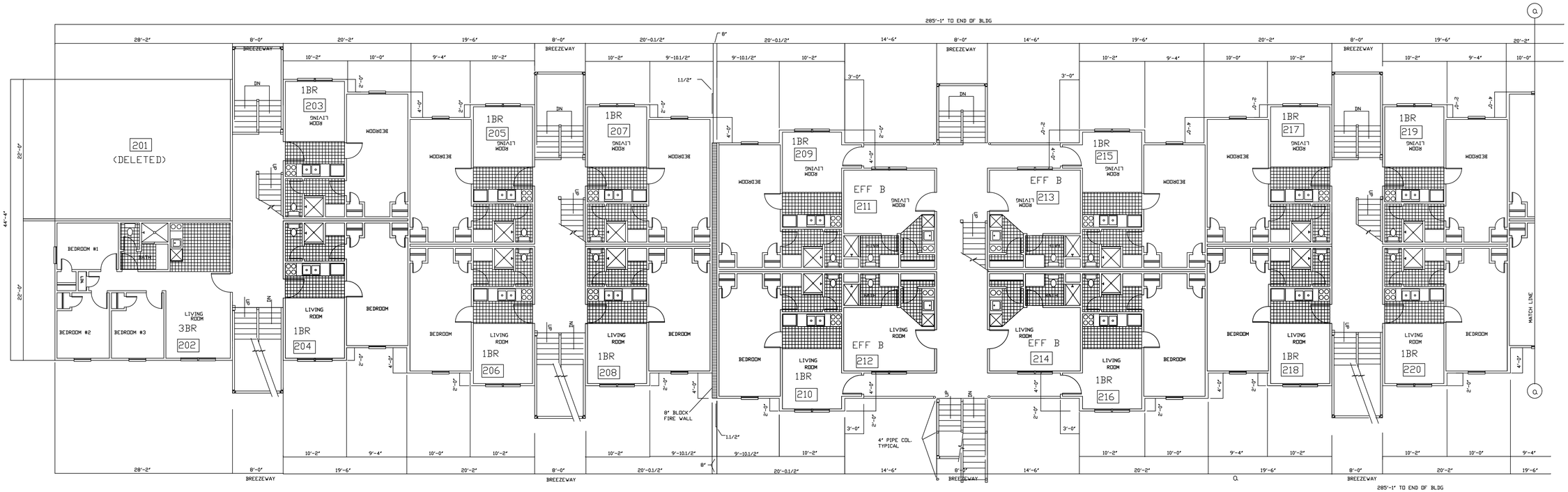
SCALE: 1/8"= 1'-0" 1st FLOOR

NORTHERN KENTUCKY UNIVERSITY

Residential Village Development (RFP041790)

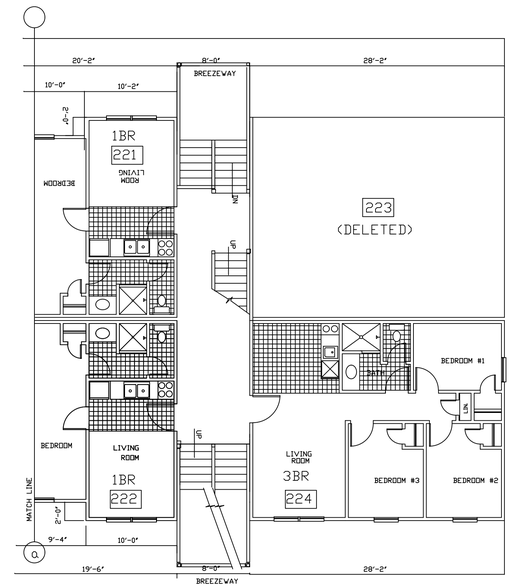
BUILDING 3 FLOOR PLAN

12-20-91
09-23-91
08-05-91
07-24-91



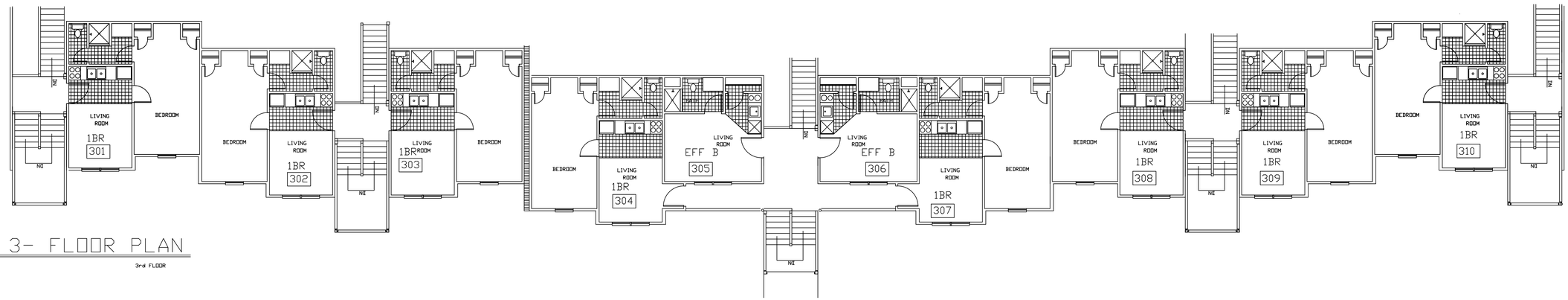
BUILDING 3- FLOOR PLAN

SCALE: 1/8"= 1'-0" 2nd FLOOR



BUILDING 3- FLOOR PLAN

SCALE: 1/8"= 1'-0" 2nd FLOOR



BUILDING 3- FLOOR PLAN

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

3rd FLOOR

16-02-12
16-03-09
16-05-06

NORTHERN KENTUCKY UNIVERSITY
Residential Village Development (RFP041790)

BUILDING 3 FLOOR PLAN

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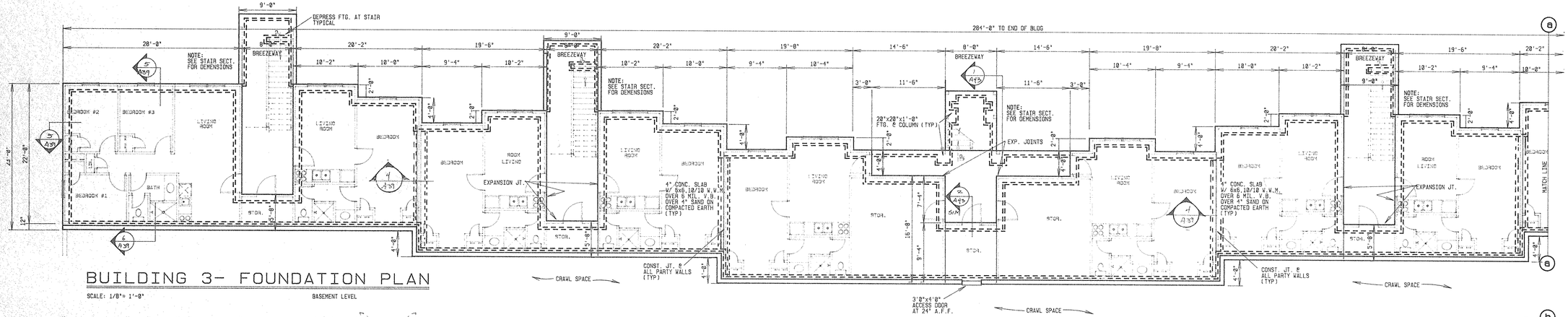
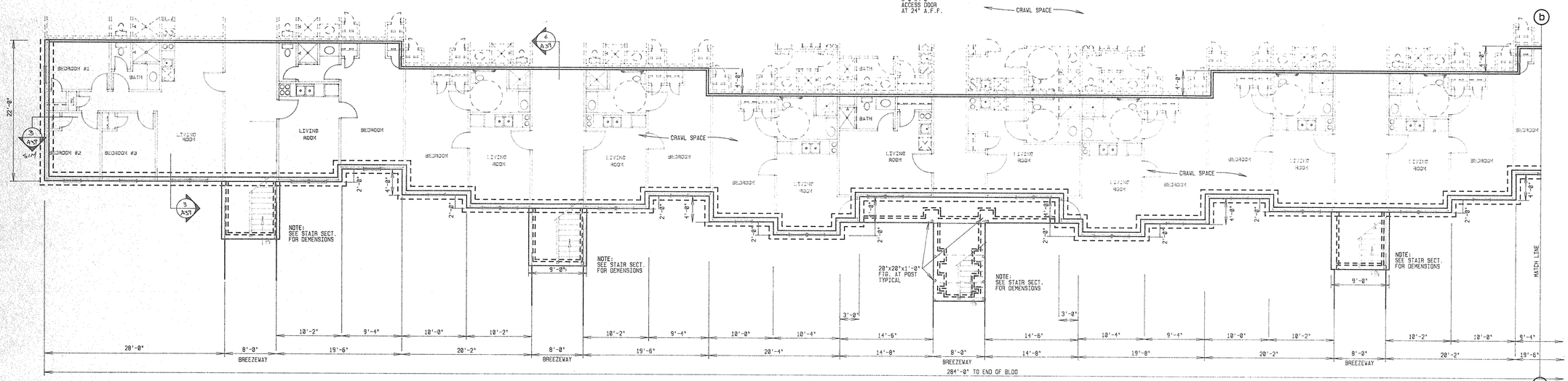


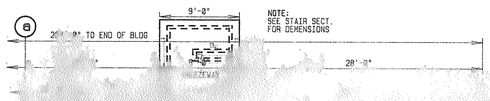
BUILDING 3- FOUNDATION PLAN

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



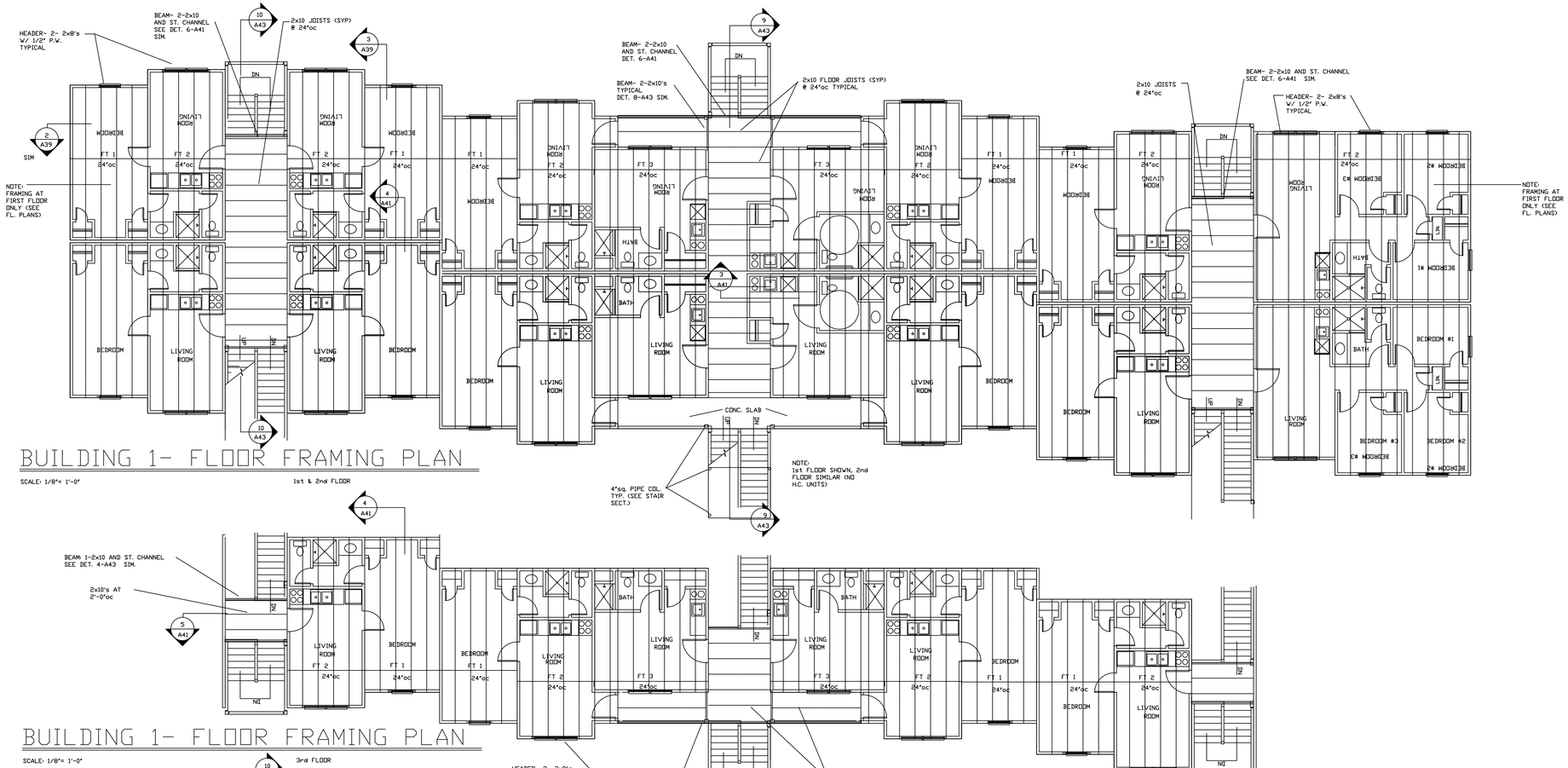
BUILDING 3- FOUNDATION PLAN

SCALE: 1/8"= 1'-0" 1st & 2nd FLOOR



NORTHERN KENTUCKY UNIVERSITY
Residential College Development (RFP041790)
BUILDING 3- FOUNDATION PLAN
JOB NO. 340
DATE: 5/5/11
DRAWN BY:
SCALE: 1/8"=1'-0"
FILE NO.
REVISIONS:
SHEET NO. A-18

204035

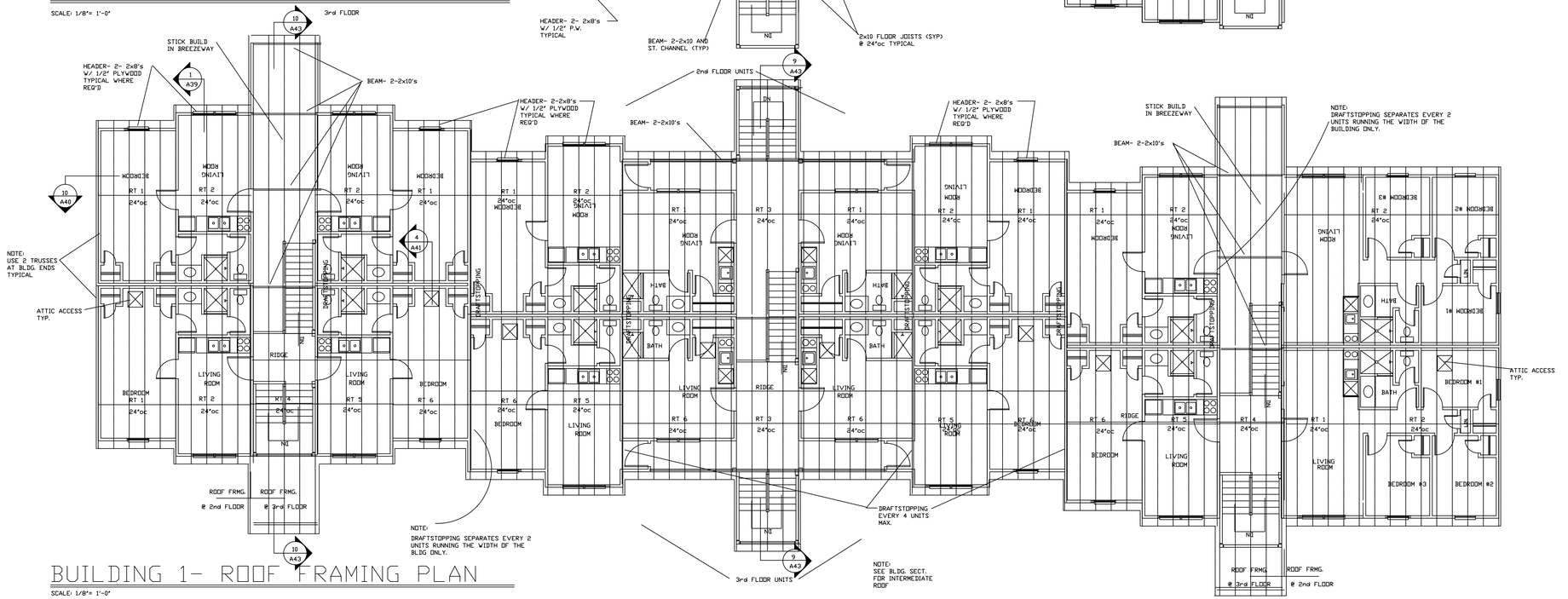


BUILDING 1- FLOOR FRAMING PLAN

SCALE: 1/8"= 1'-0" 1st & 2nd FLOOR

BUILDING 1- FLOOR FRAMING PLAN

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



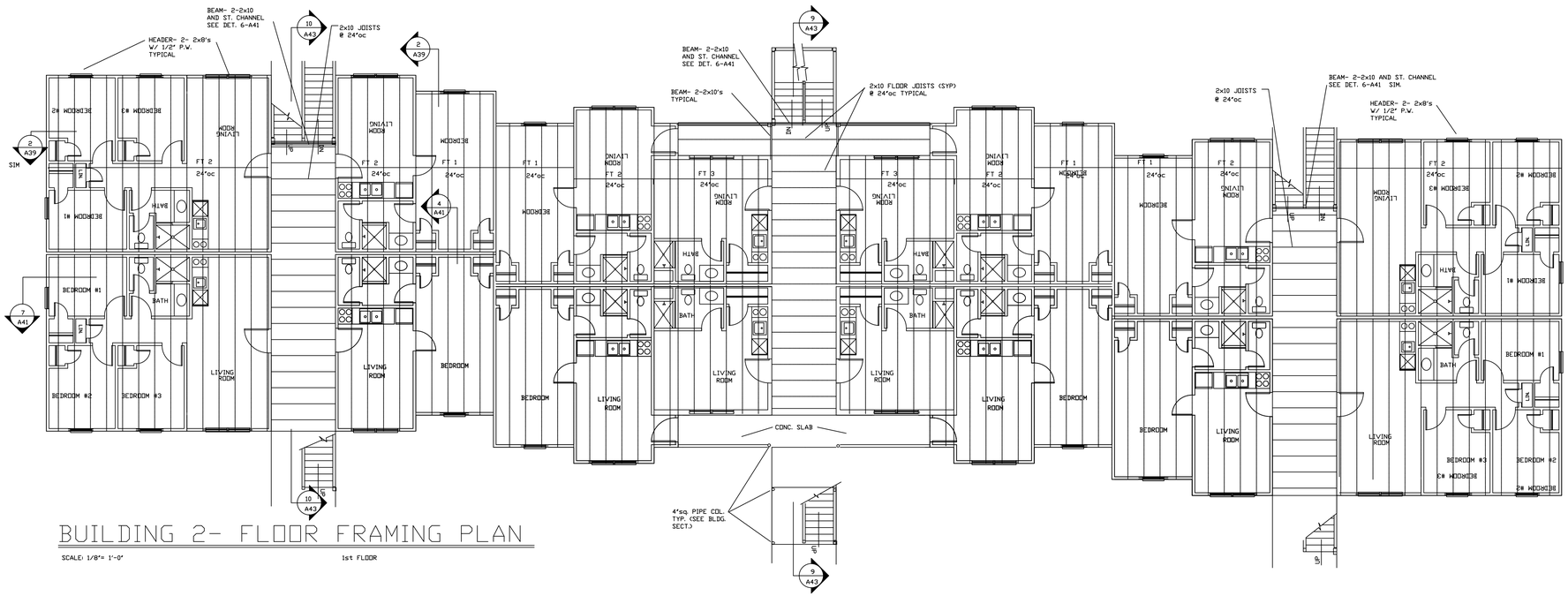
BUILDING 1- ROOF FRAMING PLAN

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

NORTHERN KENTUCKY UNIVERSITY

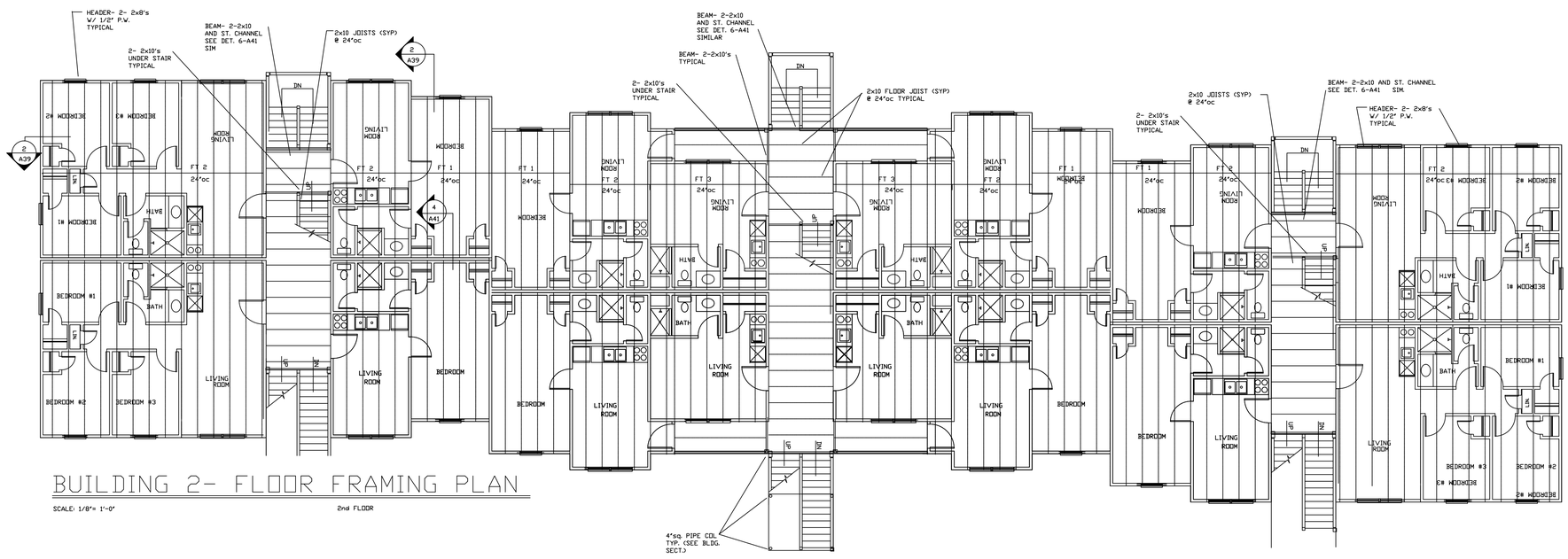
Residential Village Development (RFP041790)

BUILDING 1 FRAMING PLANS



BUILDING 2- FLOOR FRAMING PLAN

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



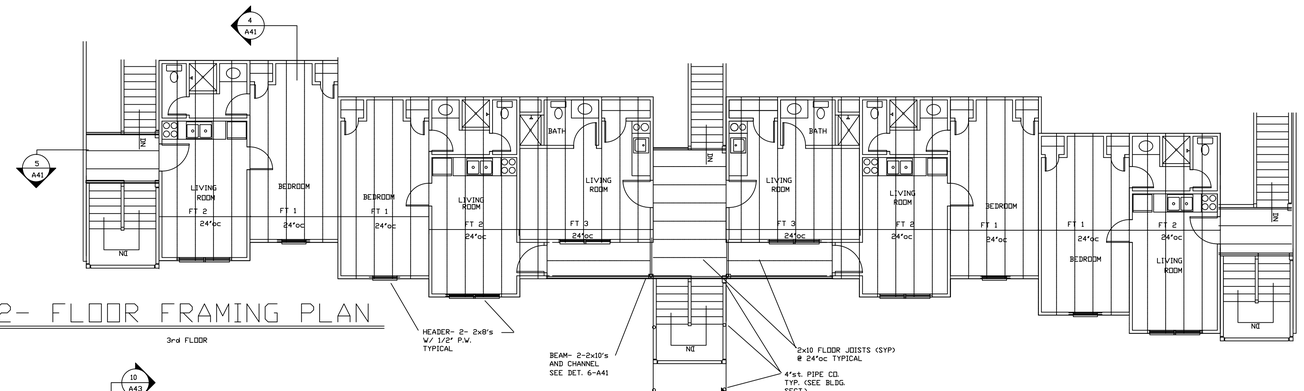
BUILDING 2- FLOOR FRAMING PLAN

SCALE: 1/8"= 1'-0" 2nd FLOOR

NORTHERN KENTUCKY UNIVERSITY

Residential Village Development (RFP041790)

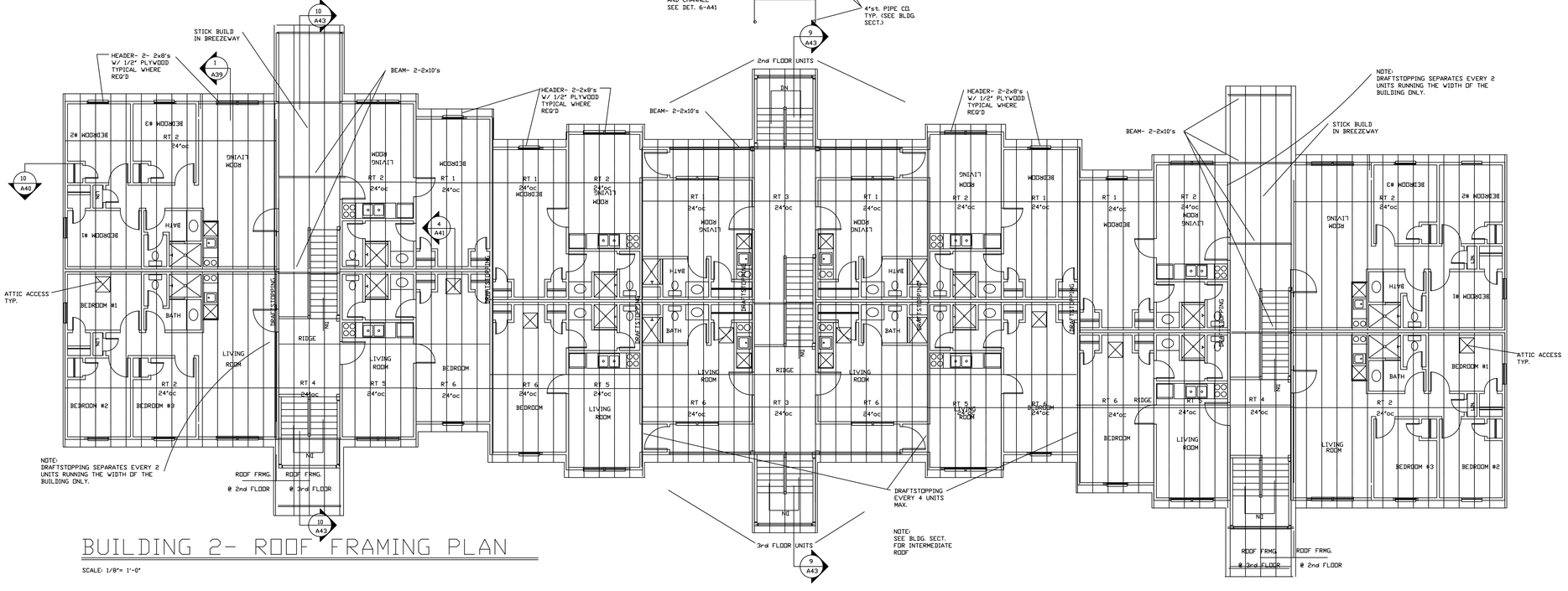
BUILDING 2 FLOOR FRAMING PLANS



BUILDING 2- FLOOR FRAMING PLAN

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

3rd FLOOR



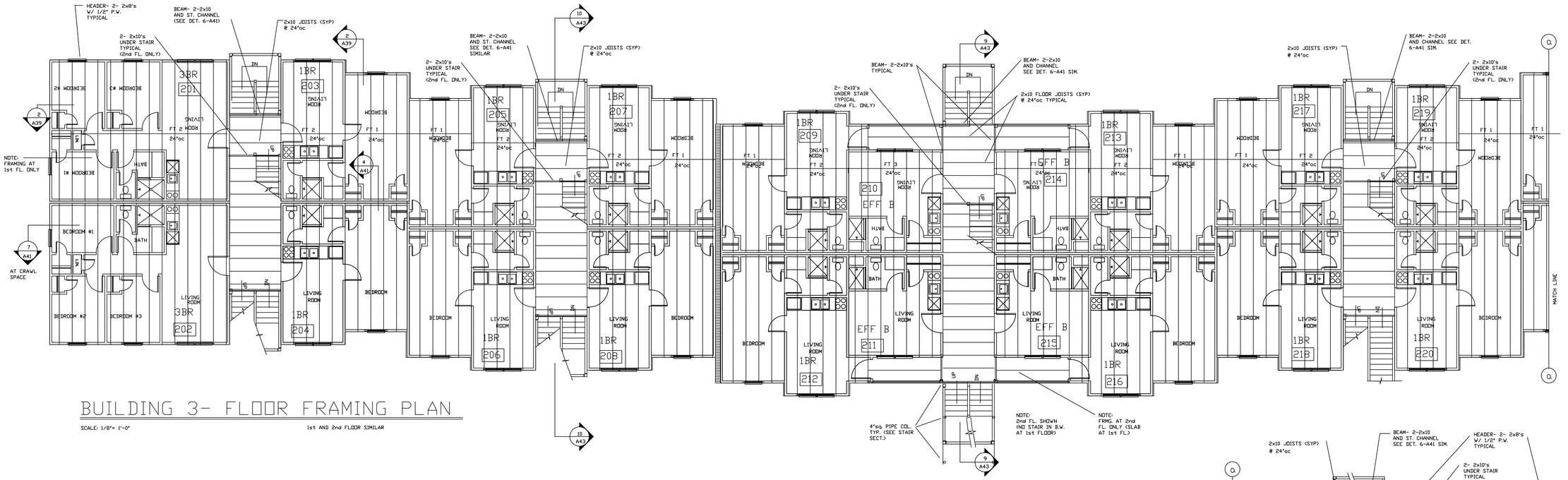
BUILDING 2- ROOF FRAMING PLAN

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

NORTHERN KENTUCKY UNIVERSITY

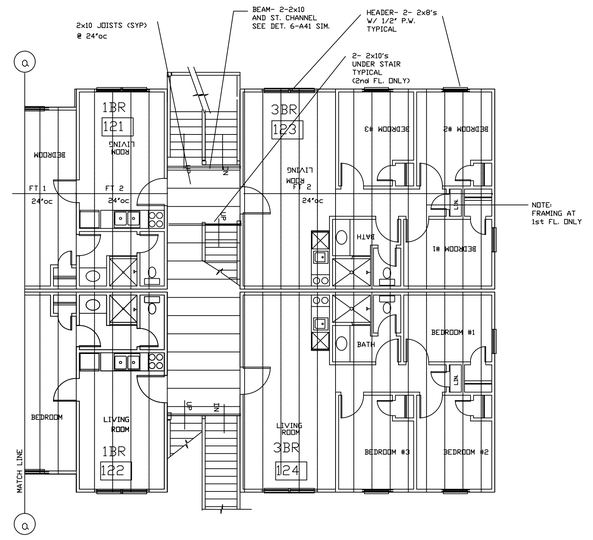
Residential Village Development (RFP041790)

BUILDING 2 FRAMING PLANS



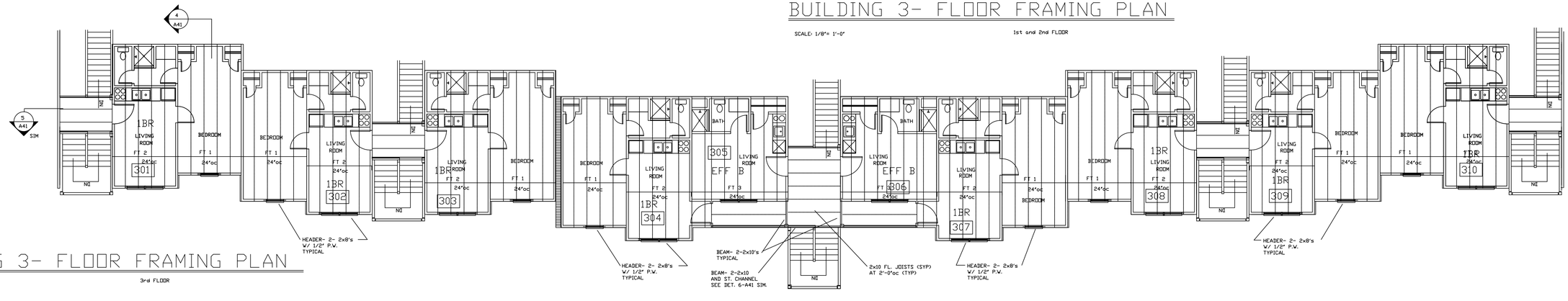
BUILDING 3- FLOOR FRAMING PLAN

SCALE: 1/8"= 1'-0" 1st AND 2nd FLOOR SIMILAR



BUILDING 3- FLOOR FRAMING PLAN

SCALE: 1/8"= 1'-0" 1st and 2nd FLOOR



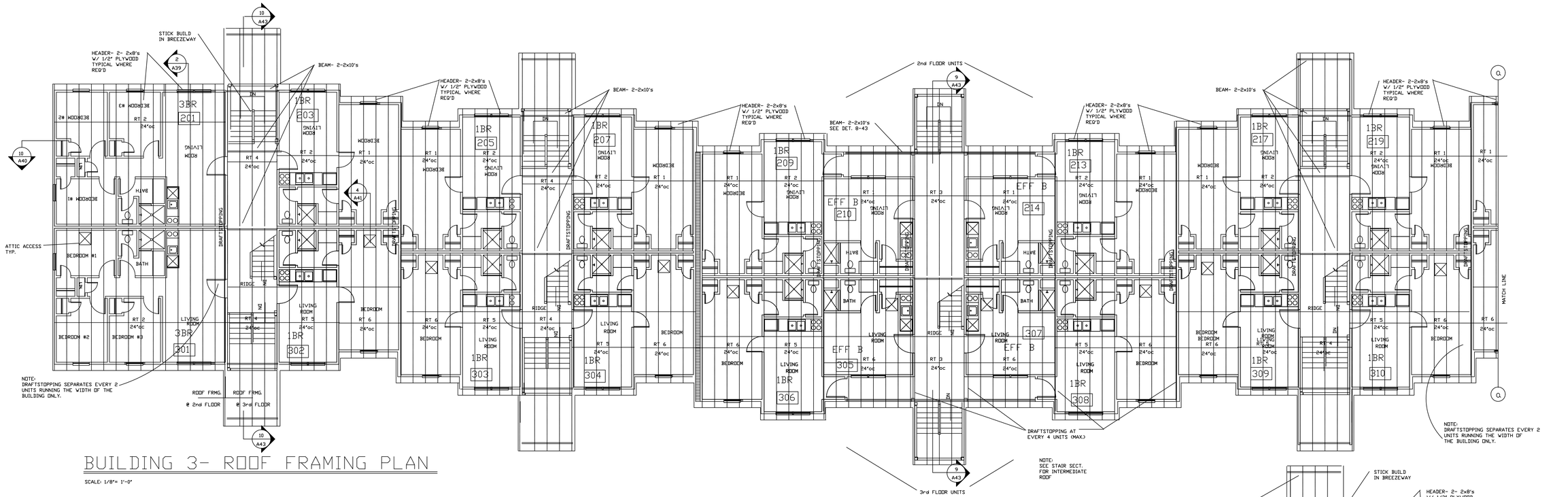
BUILDING 3- FLOOR FRAMING PLAN

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

NORTHERN KENTUCKY UNIVERSITY

BUILDING 3 FLOOR FRAMING PLANS

Residential Village Development (RFP041790)



BUILDING 3- ROOF FRAMING PLAN

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

BUILDING 3- ROOF FRAMING PLAN

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

12-20-91
09-24-91

NORTHERN KENTUCKY UNIVERSITY

Residential Village Development (RFP041790)

BUILDING 3 ROOF FRAMING PLAN

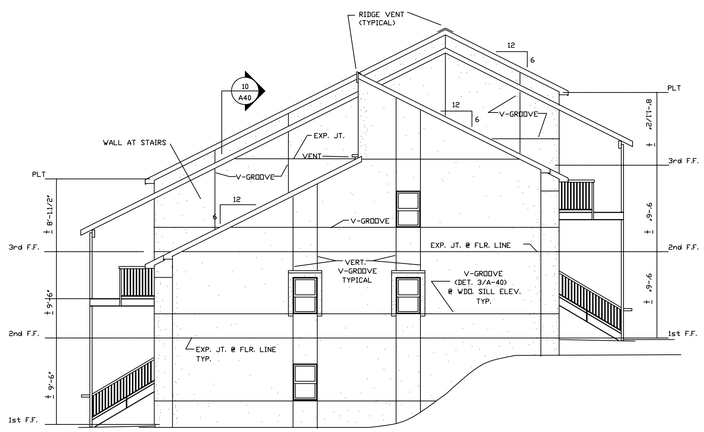
BLDG. 1- FRONT ELEVATION

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

VIEW FROM COURTYARD

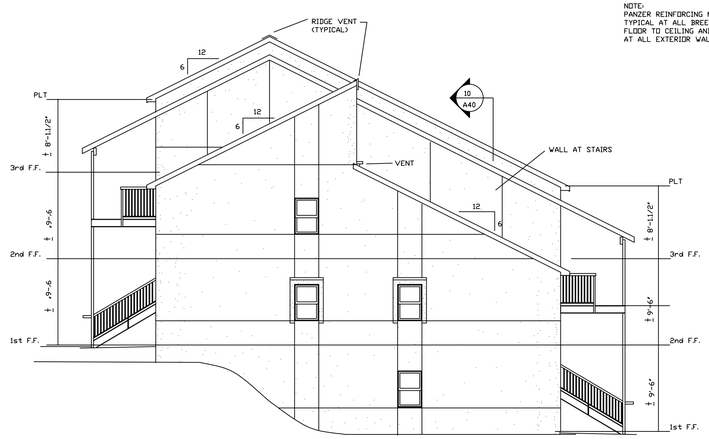
BLDG. 1- REAR ELEVATION

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



BLDG. 1- LEFT SIDE ELEV.

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



NOTE:
PANZER REINFORCING MESH, OR EQUAL, TYPICAL AT ALL BREEZEWAY WALLS FROM FLOOR TO CEILING AND TO 6'0" A.F.F. AT ALL EXTERIOR WALLS.

BLDG. 1- RIGHT SIDE ELEV.

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

NORTHERN KENTUCKY UNIVERSITY

Residential Village Development (RFP041790)

BUILDING 1 ELEVATIONS

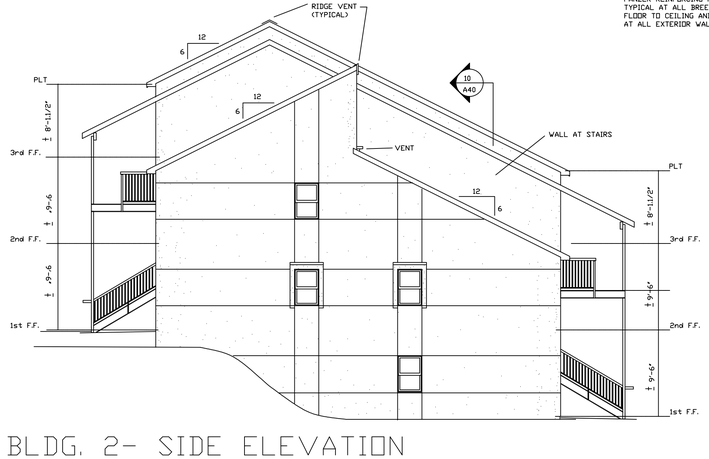
BLDG. 2- FRONT ELEVATION

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

VIEW FROM COURTYARD

BLDG. 2- REAR ELEVATION

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



NOTE:
PANZER REINFORCING MESH, OR EQUAL,
TYPICAL AT ALL BREEZEWAY WALLS FROM
FLOOR TO CEILING AND TO 6'0" A.F.F.
AT ALL EXTERIOR WALLS.

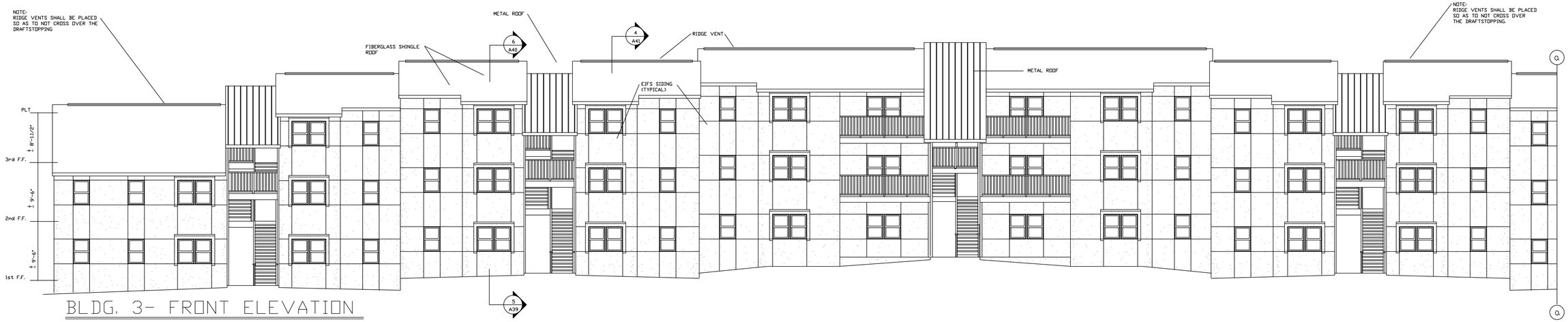
BLDG. 2- SIDE ELEVATION

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

NORTHERN KENTUCKY UNIVERSITY

Residential Village Development (RFP041790)

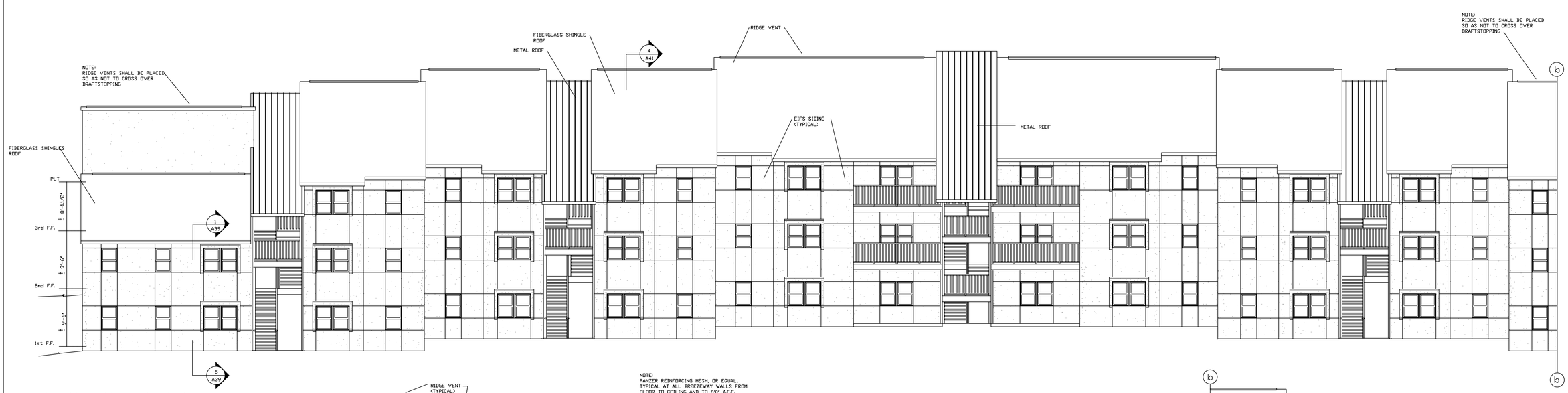
BUILDING 2 ELEVATIONS



BLDG. 3- FRONT ELEVATION

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

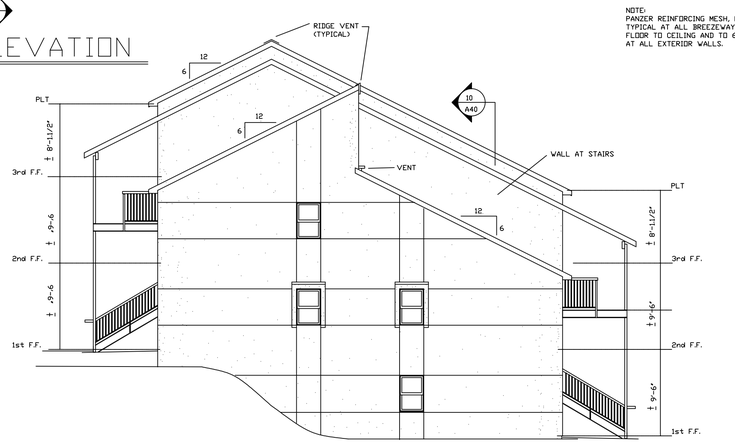
VIEW FROM COURTYARD



BLDG. 3- REAR ELEVATION

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

NOTE:
PANZER REINFORCING MESH, OR EQUAL, TYPICAL AT ALL BREEZEWAY WALLS FROM FLOOR TO CEILING AND TO 6'0" A.F.F. AT ALL EXTERIOR WALLS.



BLDG. 3- SIDE ELEVATION

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

NORTHERN KENTUCKY UNIVERSITY

Residential Village Development (RFP041790)

BUILDING 3 ELEVATIONS