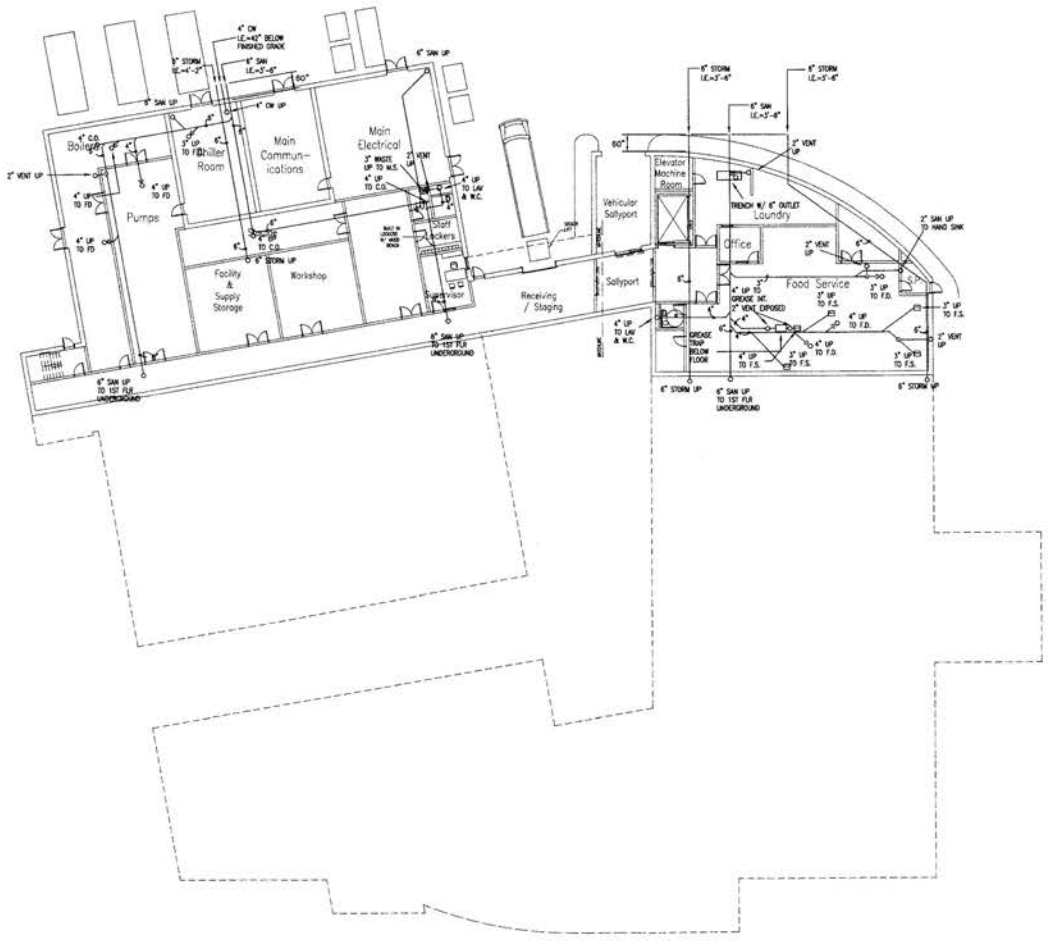


A Basement Level Floor Plan

0 8 16 32

N

No.	Description	Date	App.

YOUTH SERVICES CENTER
District of Columbia

FINAL CONTRACT SET

ISSUED: DEC. 14, 2001

HELLMUTH, OBATA + KASSABAUM, PC
3223 Grace Street NW
Washington DC 20007
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JAMES LEMON CONSULTING, LLC
REAL ESTATE DEVELOPMENT SERVICES
1606 U Street, NW
Washington, DC 20009
Tel 202 462 1092
Fax 202 462 1082

Proj. No.: 99-0329-001

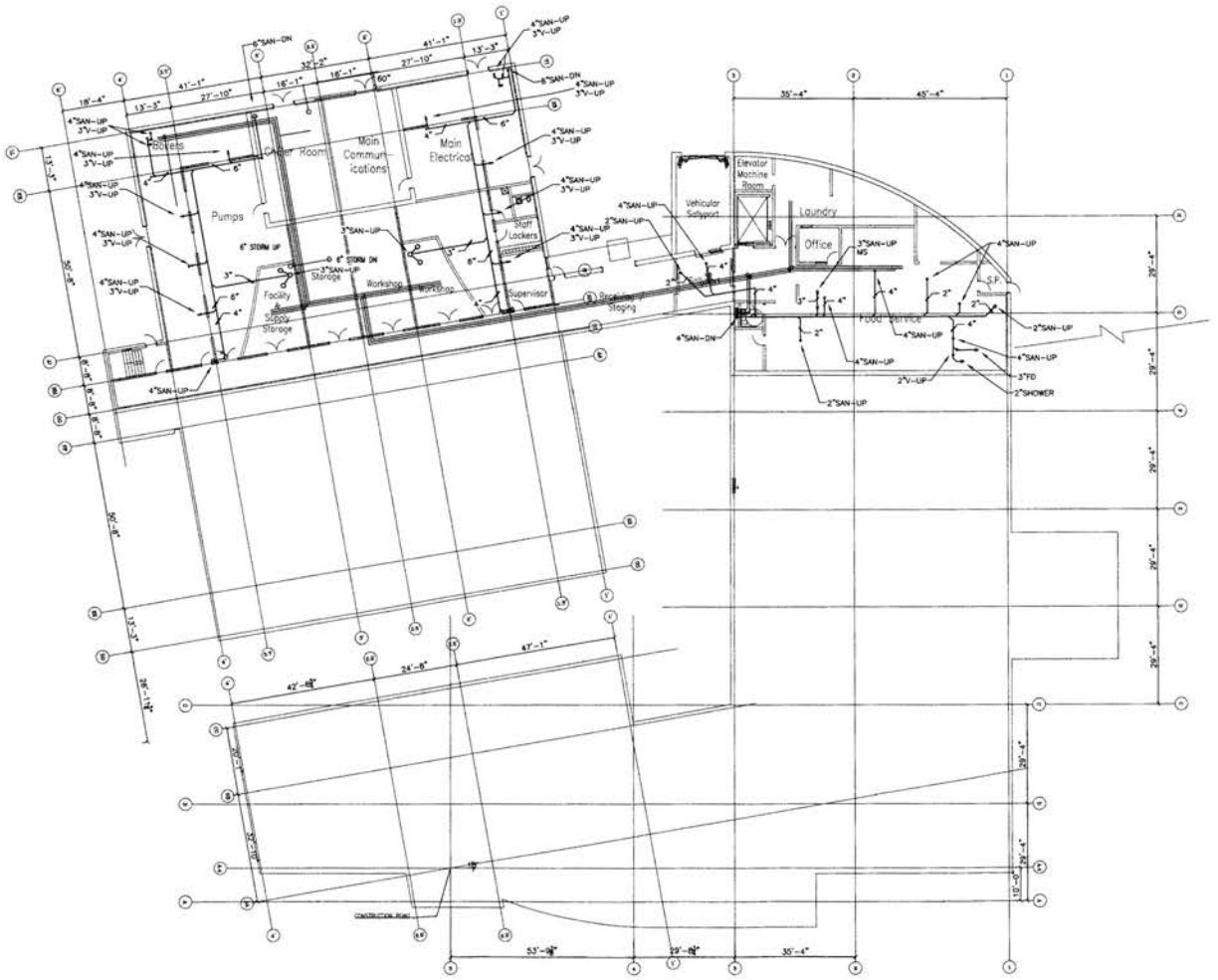
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Drawn By: HOK

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

Dwg. No. P-1

Board of Zoning Adjustment
District of Columbia
CASE NO.16859
EXHIBIT NO.10A2



A Basement Level Floor Plan

0 8 16 32

N

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District of Columbia

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Jair Lynch Consulting, LLC
Real Estate Development Services
1506 U Street, NW
Washington, DC 20009
Tel 202 462 1092
Fax 202 462 1082

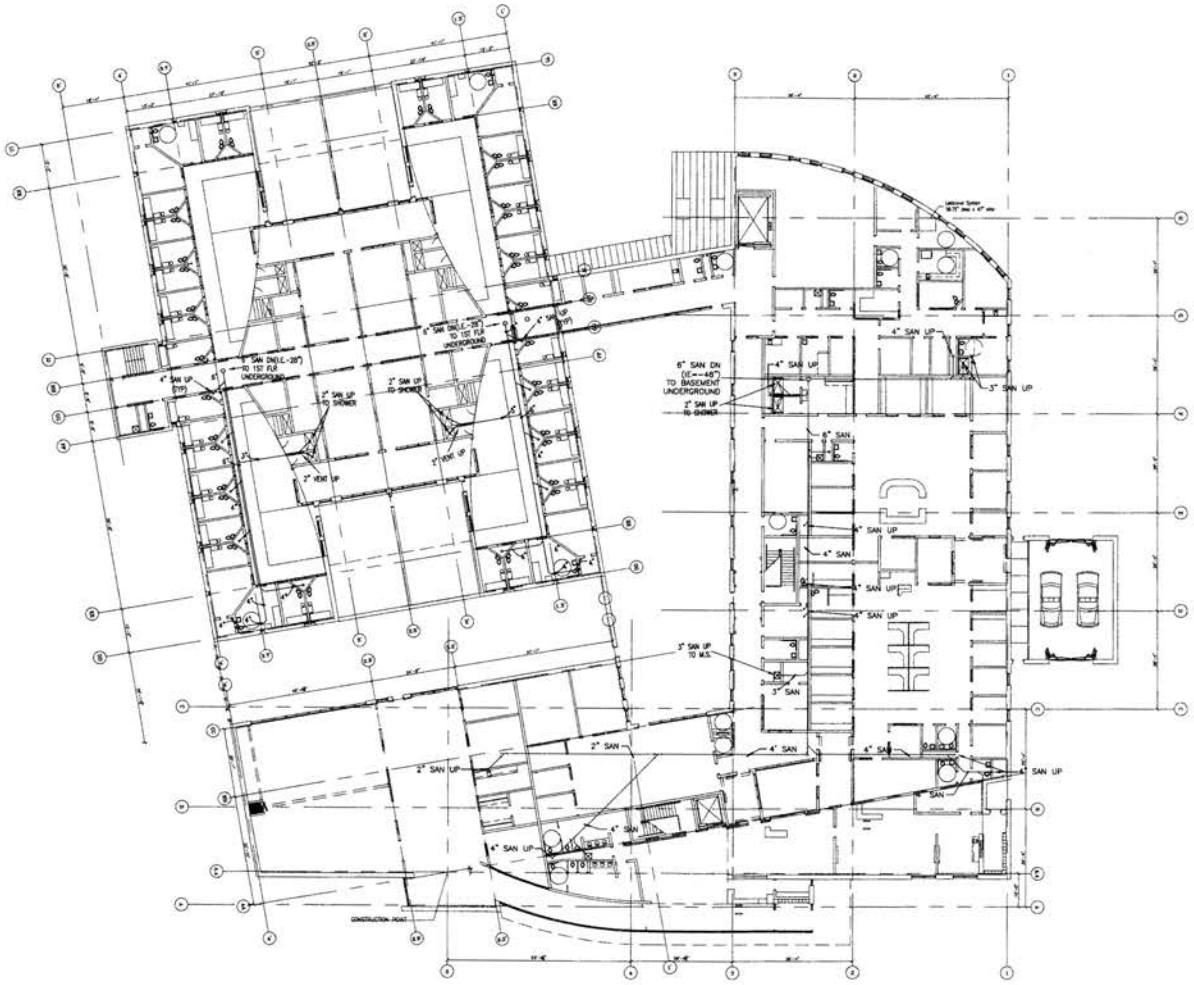
Proj. No.: 99-0329-001

Sheet Title: BASEMENT LEVEL FLOOR PLAN

Drawn By: HOK

Scale: 1/16"=1'-0"

Dwg. No. P1.0



A First Level Floor Plan

0 8 16 32

N

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JAIR LYNCH CONSULTING, LLC
REAL ESTATE DEVELOPMENT SERVICES
1506 U Street, NW
Washington, DC 20009
Tel: 202 462 1092
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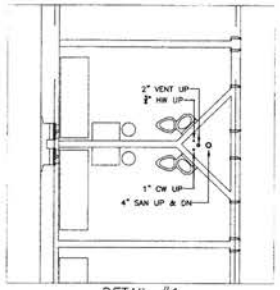
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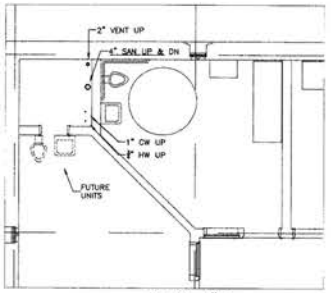
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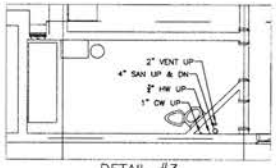
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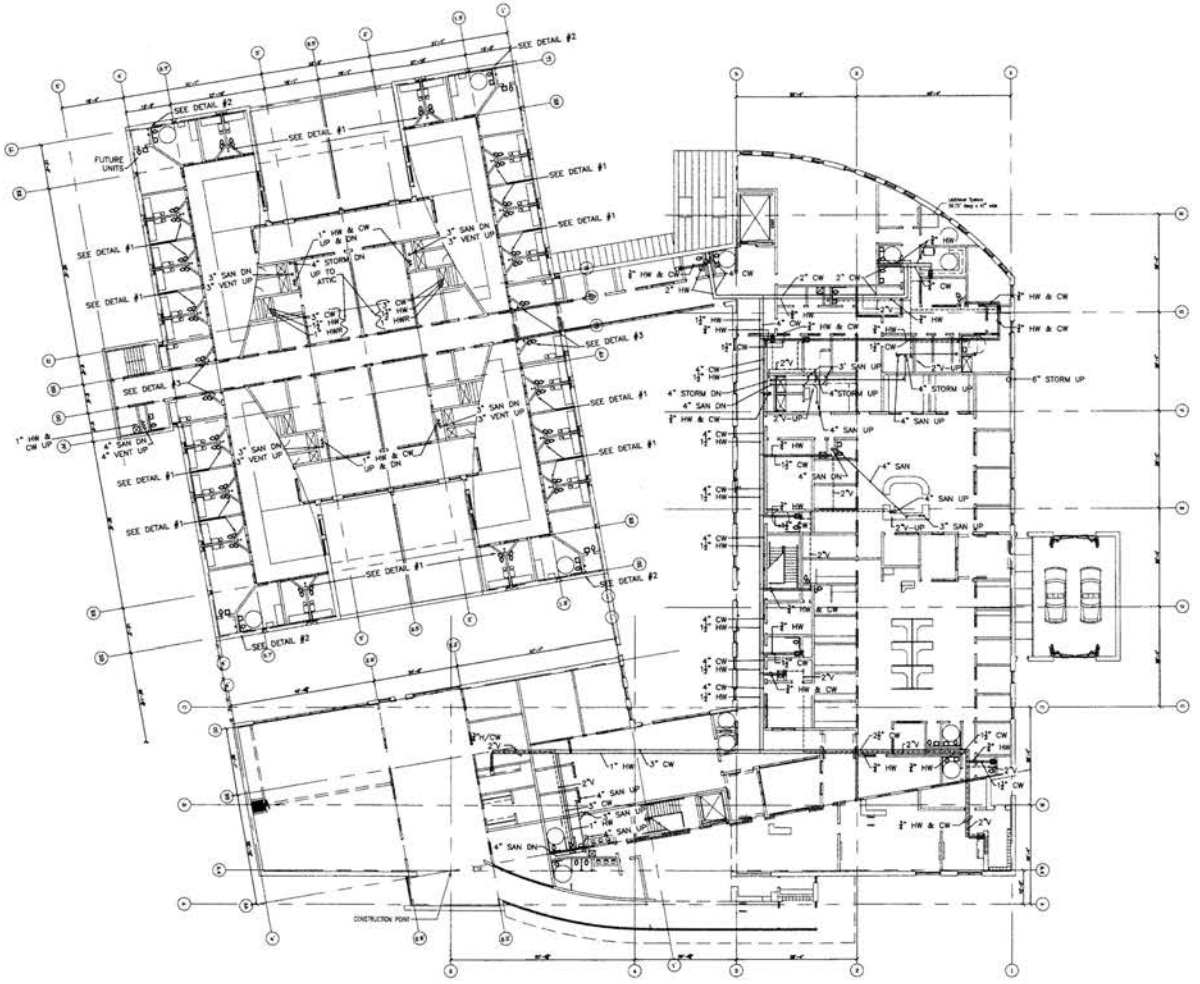
DETAIL #1
SCALE: 1/4"=1'-0"



DETAIL #2
SCALE: 1/4"=1'-0"



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



A First Level Floor Plan
0 8 16 32

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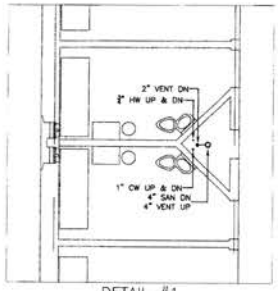
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Sheet Title: FIRST LEVEL PLUMBING FLOOR PLAN

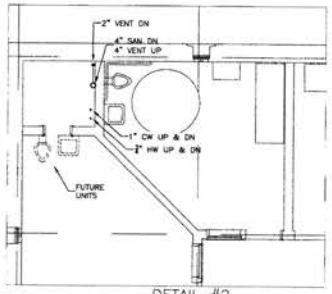
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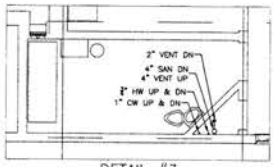
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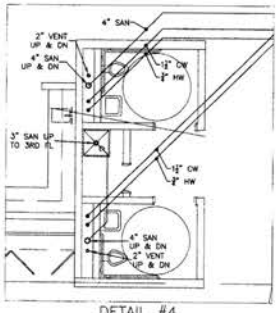
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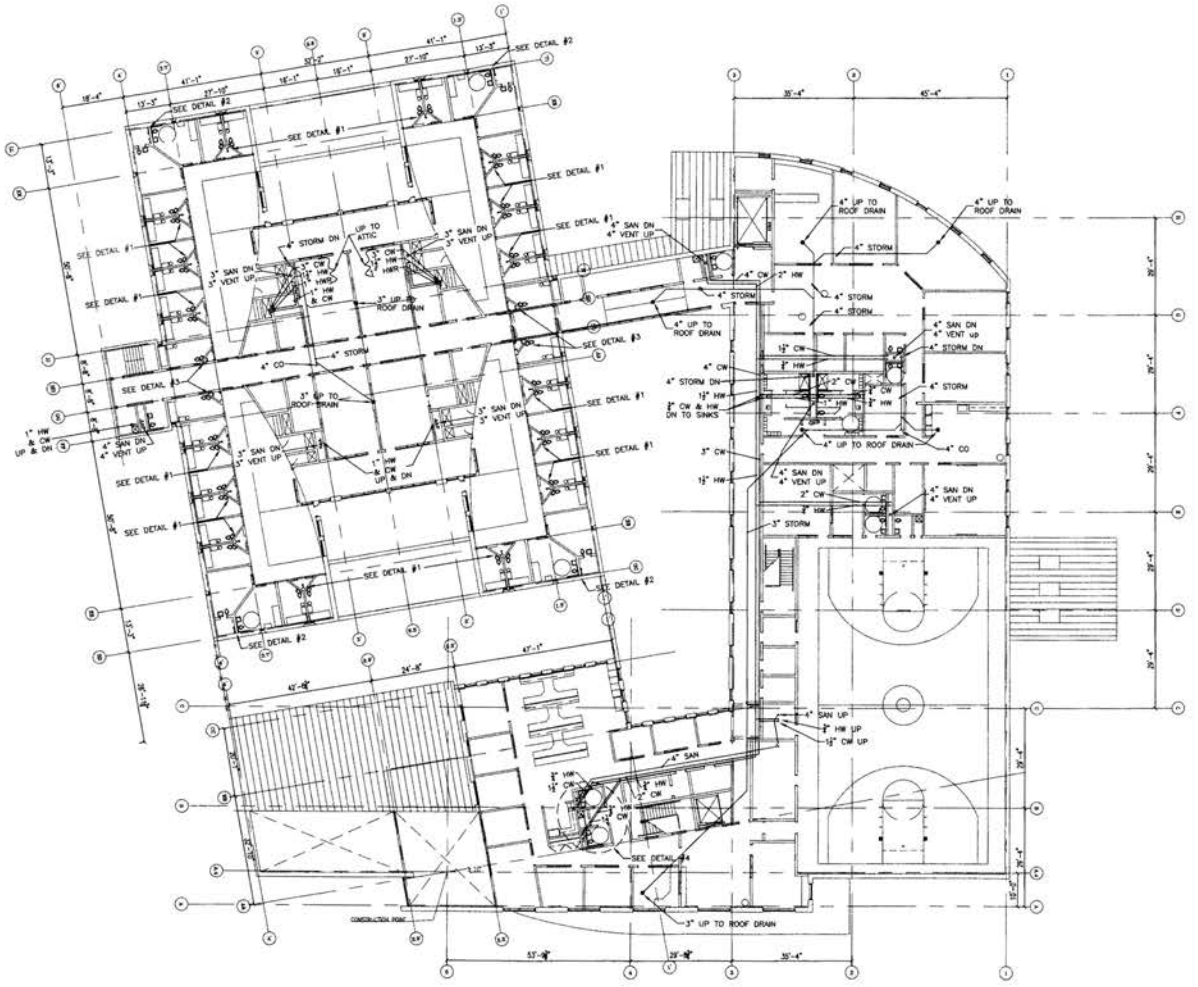
DETAIL #2
SCALE: 1/4"=1'-0"



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



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



A Second Level Floor Plan
0 8 16 32

N

No.	Description	Date	App.

YOUTH SERVICES CENTER
District of Columbia

FINAL CONTRACT SET

ISSUED: DEC. 14, 2001

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3223 Grace Street NW
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Hensel Phelps Construction Co.
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JAM LYNCH CONSULTING, LLC
REAL ESTATE DEVELOPMENT SERVICES
1508 U Street, NW
Washington, DC 20009
Tel: 202 462 1082
Fax: 202 462 1082

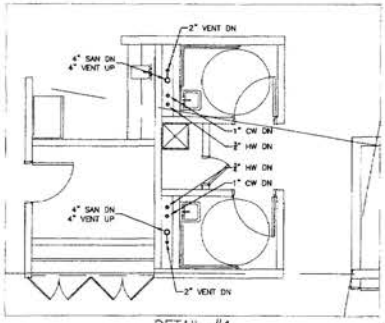
Proj. No.:
99-0329-001

Sheet Title:
SECOND LEVEL
PLUMBING
FLOOR PLAN

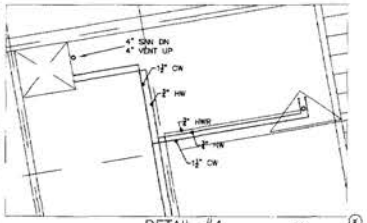
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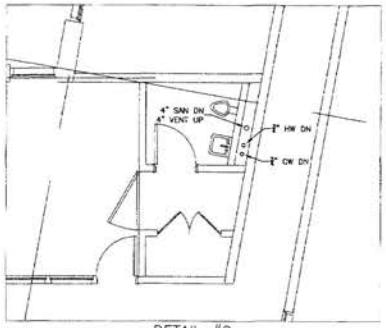
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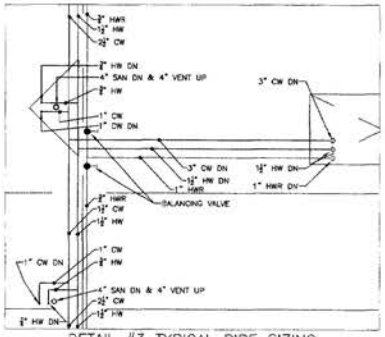
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SCALE: 1/4"=1'-0"



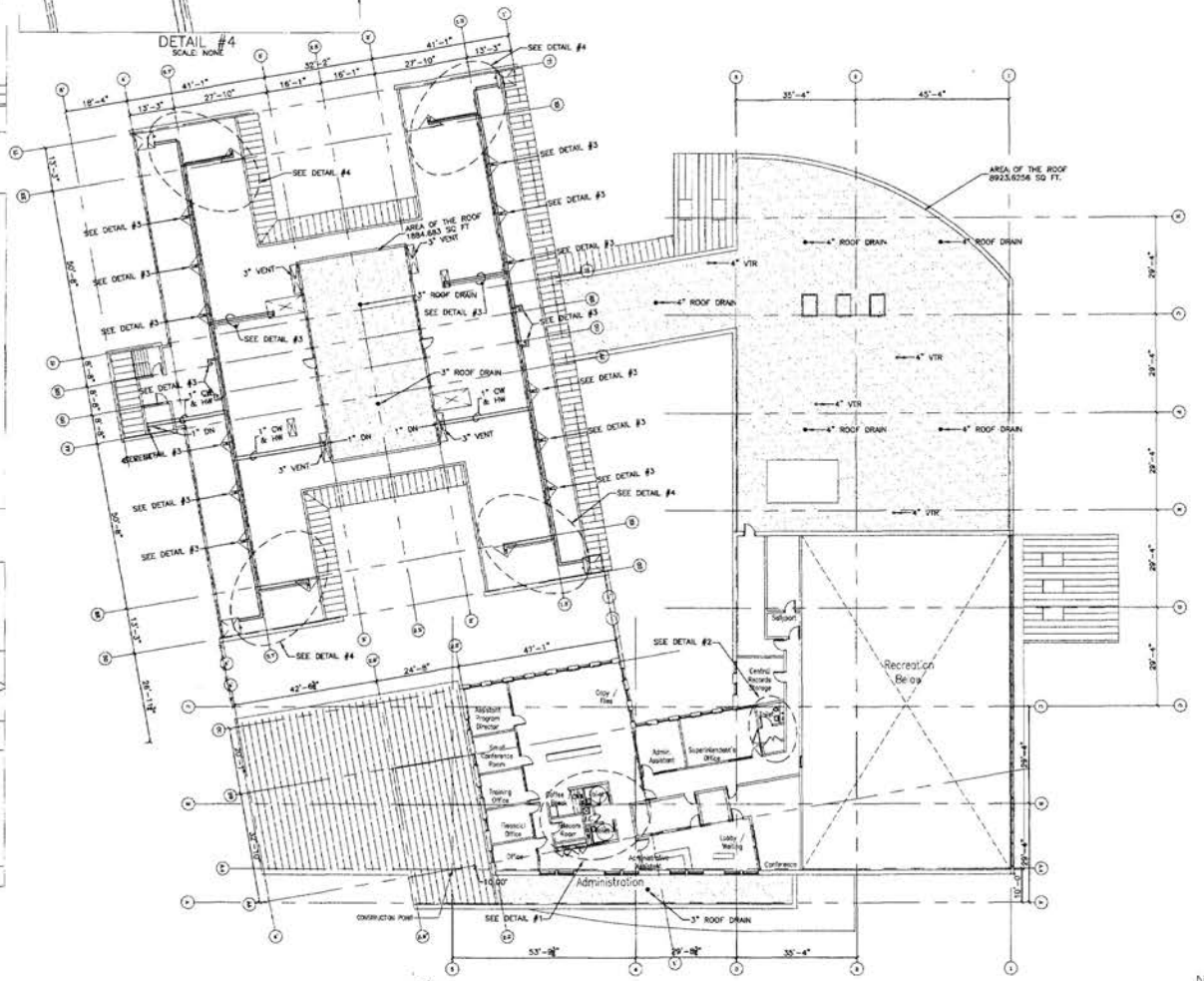
DETAIL #4
SCALE: NONE



DETAIL #2
SCALE: 1/4"=1'-0"



DETAIL #3 TYPICAL PIPE SIZING
SCALE: 1/4"=1'-0"



A Third Level Floor Plan
0 8 16 32

No.	Description	Date	App

YOUTH SERVICES CENTER
District of Columbia

FINAL CONTRACT SET

ISSUED: DEC. 14, 2001

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JAMES LYNCH CONSULTING, LLC
REAL ESTATE DEVELOPMENT SERVICES
1508 U Street, NW
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Tel: 202 462 1260
Fax: 202 462 1262

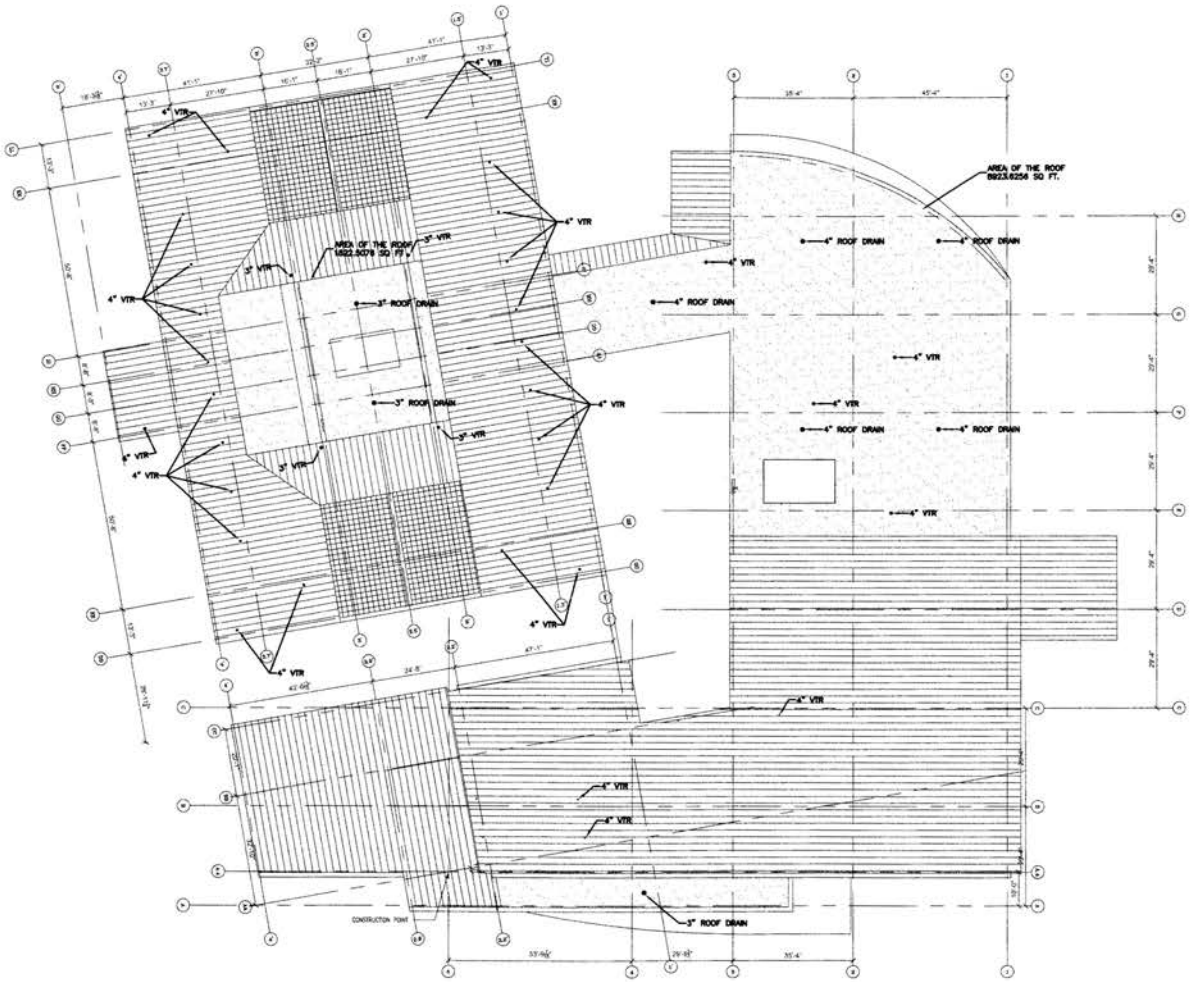
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Sheet Title: THIRD LEVEL PLUMBING FLOOR PLAN

Drawn By: HOK

Scale: 1/16"=1'-0"

Dwg. No. P1.4



A Roof Level Plan

0 8 16 32

N

No.	Description	Date	App.

YOUTH SERVICES CENTER

District of Columbia

FINAL CONTRACT SET

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JAIN LYNCH CONSULTING, LLC
REAL ESTATE DEVELOPMENT SERVICES
1308 U Street, NW
Washington, DC 20009
Tel: 202 462 1092
Fax: 202 462 1082

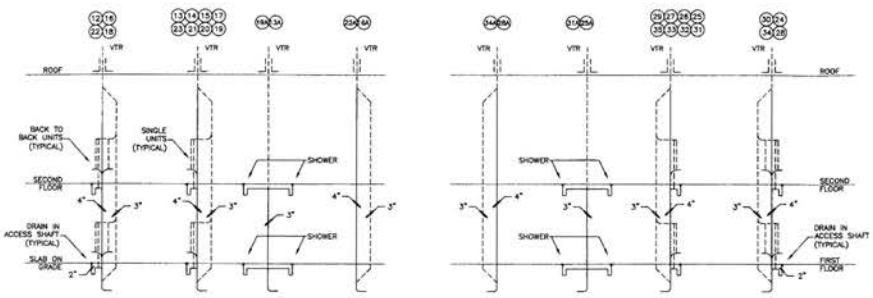
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Sheet Title: ROOF LEVEL PLUMBING FLOOR PLAN

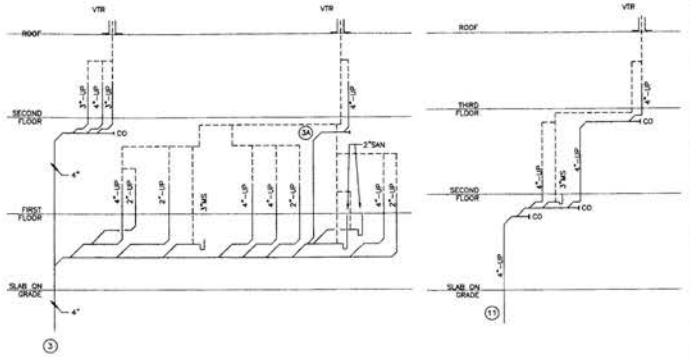
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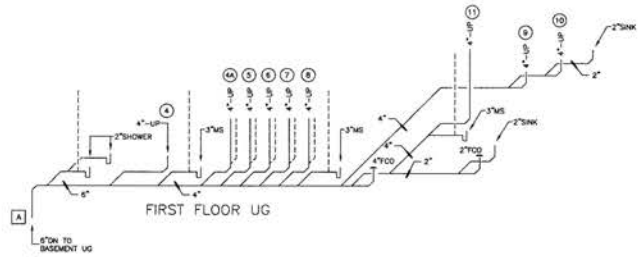
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Dwg. No. P1.5

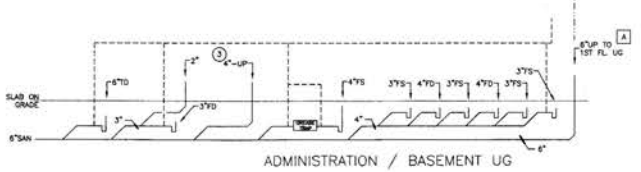


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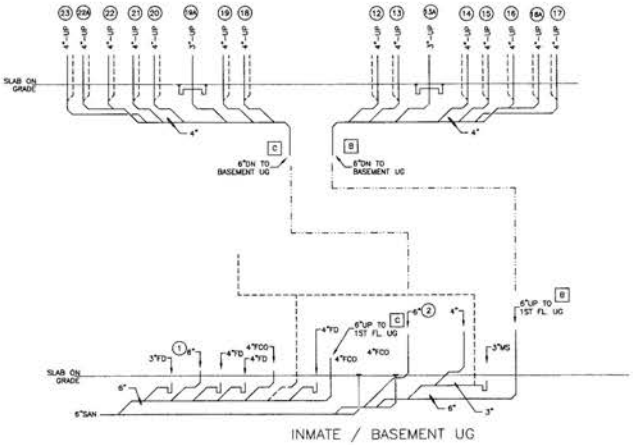




FIRST FLOOR UG



ADMINISTRATION / BASEMENT UG



INMATE / BASEMENT UG

No.	Description	Date	App.

YOUTH SERVICES CENTER
District of Columbia
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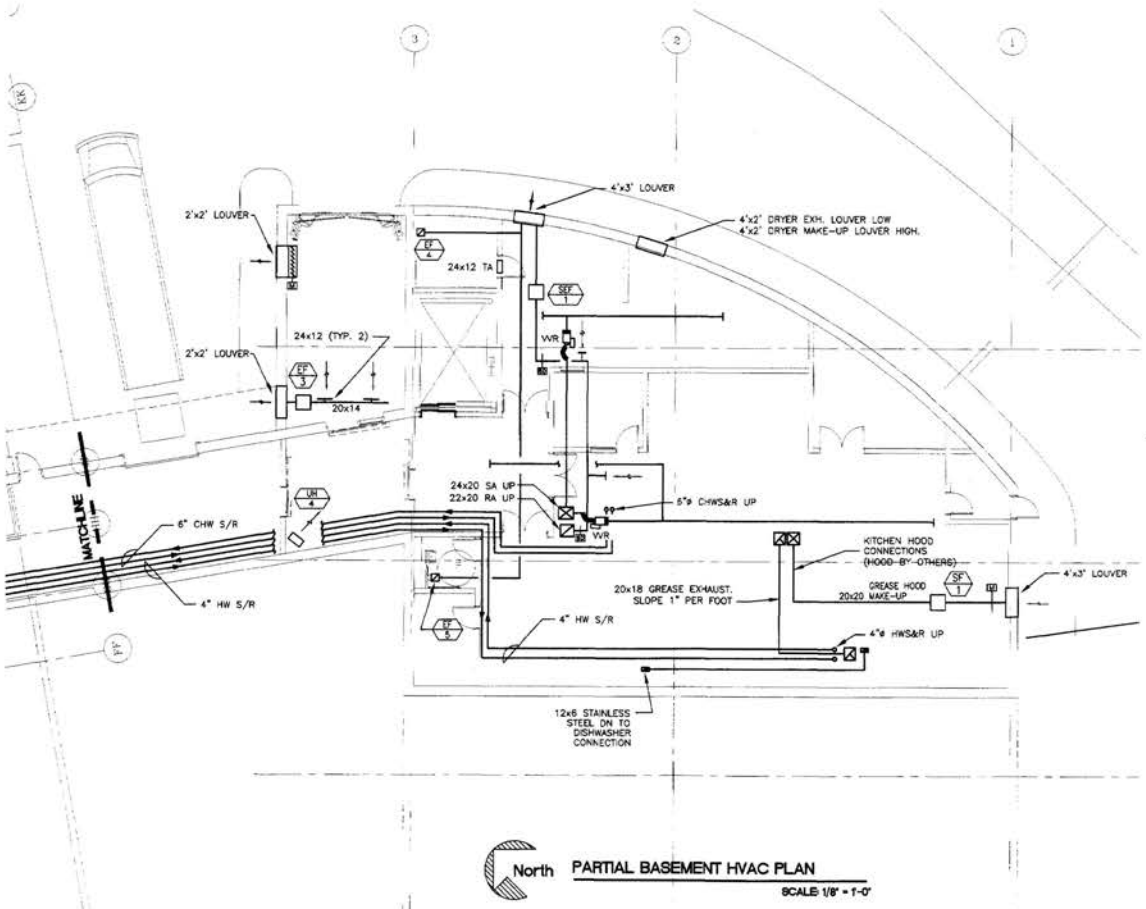
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Sheet Title: PLUMBING-RISERS

Drawn By: HOK

Scale: NONE

Dwg. No. P1.6



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Orlando, Florida 32822
(407) 438-1500
FAX (407) 438-1506

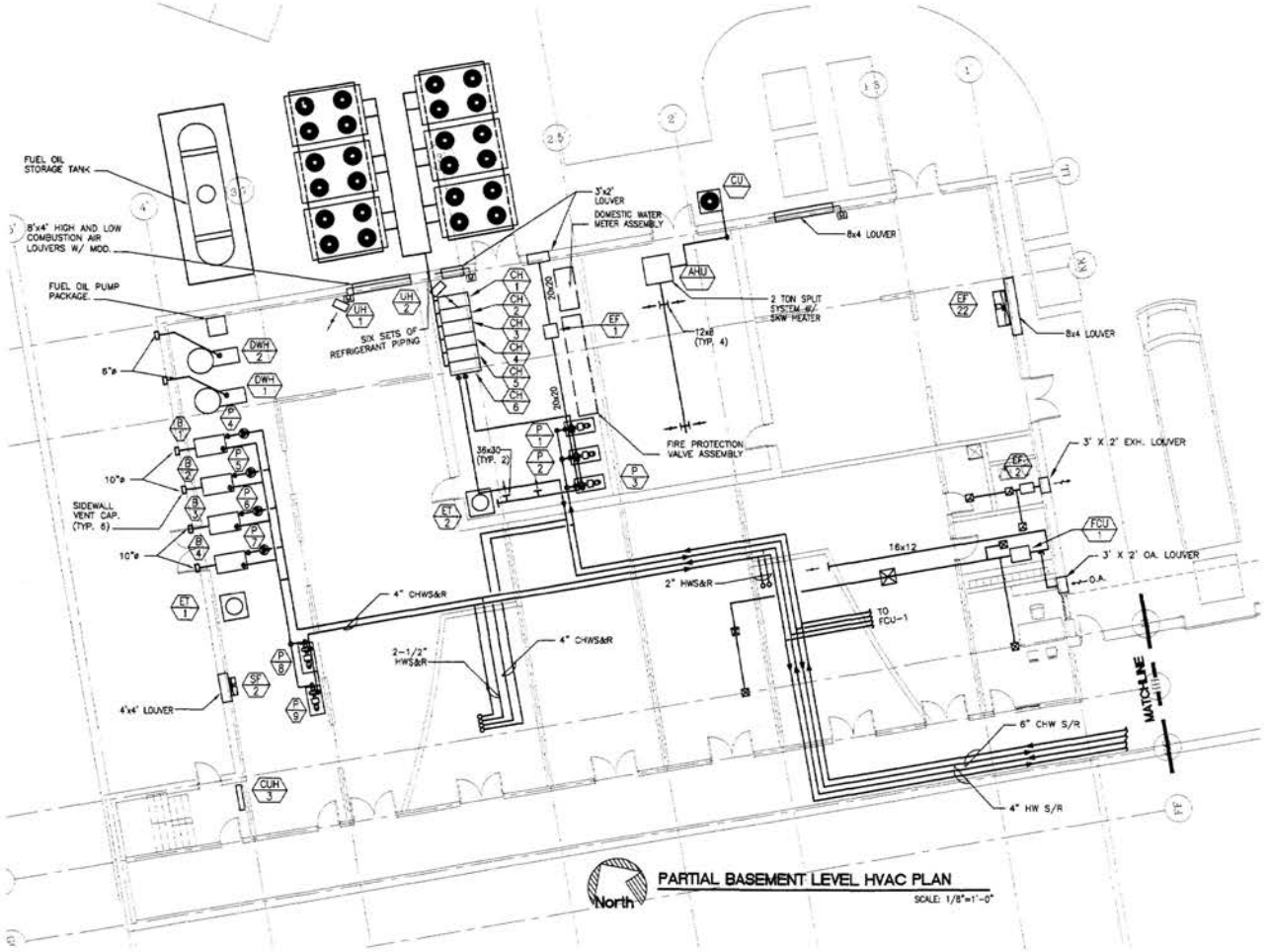
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Sheet Title: PARTIAL BASEMENT HVAC PLAN

Drawn By: WLF / NR

Scale: 1/8" = 1' 0"

Dwg. No. M2.1



No.	Description	Date	Appr.

YOUTH SERVICES CENTER
District of Columbia

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Washington, DC 20009
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Mechanical Professional Services, Inc.

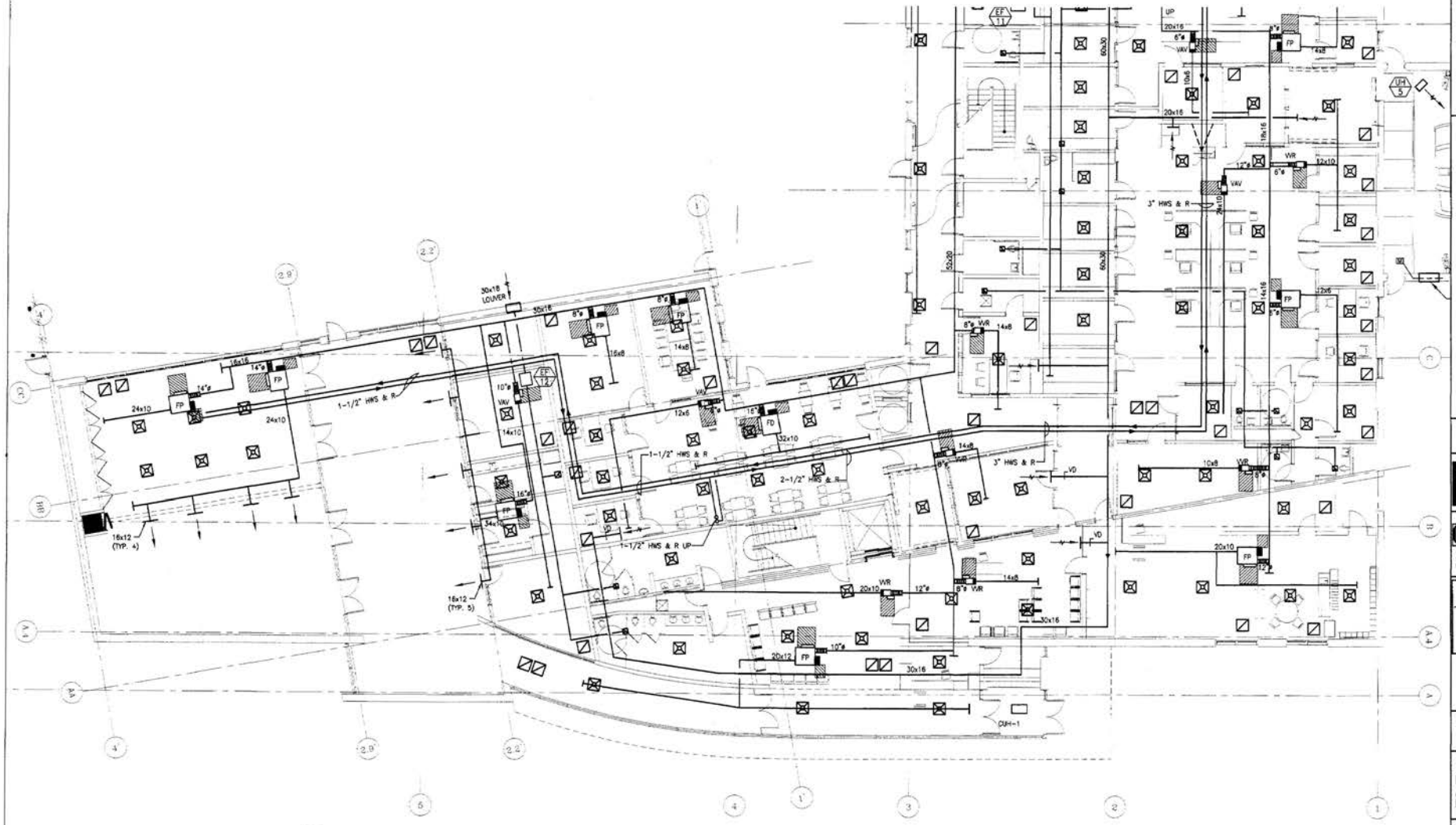
Proj. No.: 99-0329-001

Sheet Title: PARTIAL BASEMENT HVAC PLAN

Drawn By: WLF / NR

Scale: 1/8" = 1' 0"

Dwg. No. M2.2



North

PARTIAL FIRST LEVEL ADMINISTRATION HVAC PLAN

SCALE: 1/8 = 1'0"

No.	Description	Date	App.

YOUTH SERVICES CENTER

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1598 U Street, NW
Washington, DC 20009
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Mechanical Professional Services, Inc.

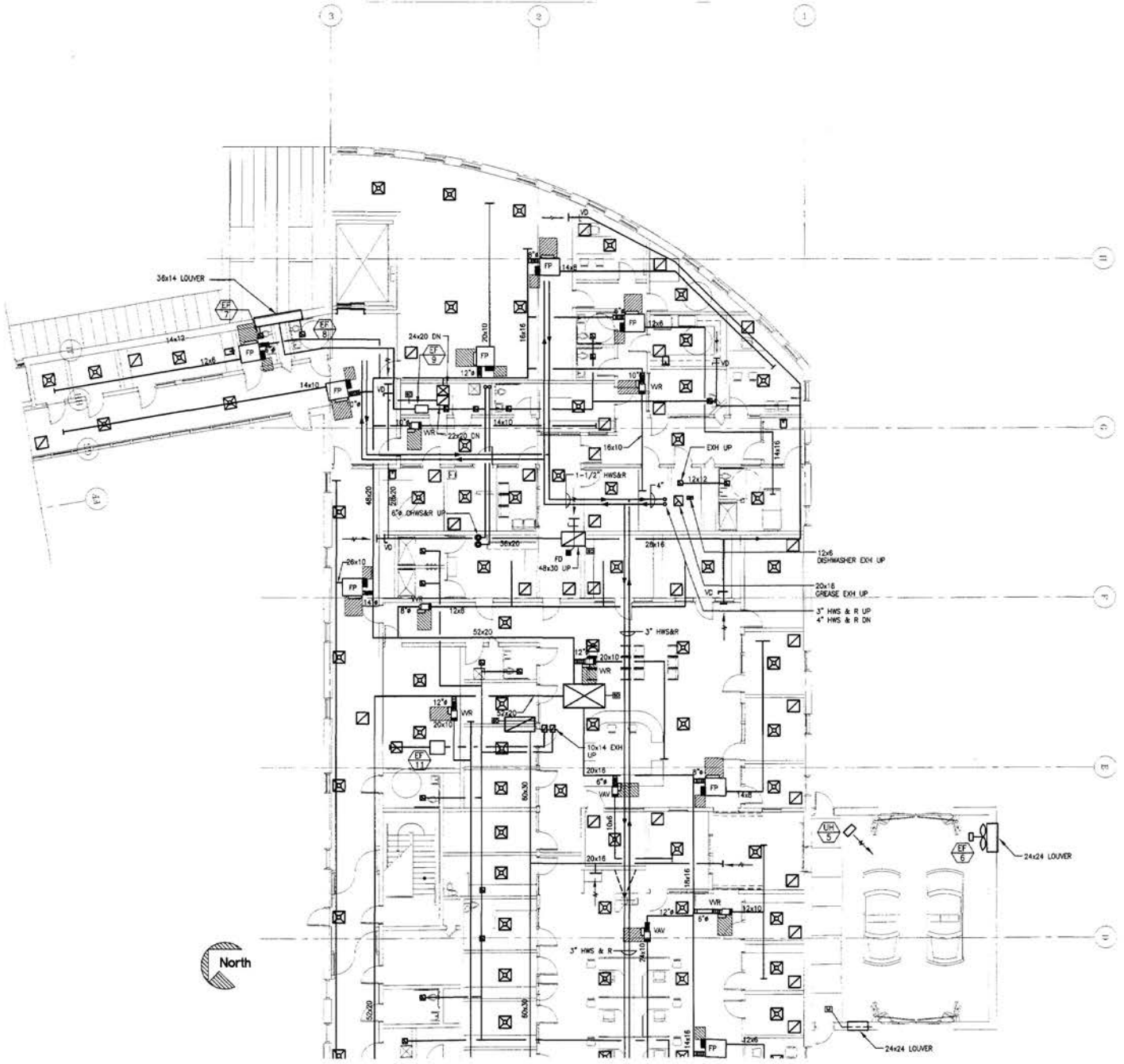
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Sheet Title: FIRST LEVEL ADMINISTRATION HVAC PLAN

Drawn By: N.R.

Scale: 1/8" = 1' 0"

Dwg. No. M2.3



No.	Description	Date	App.

YOUTH SERVICES CENTER
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FAX (407) 488-1806

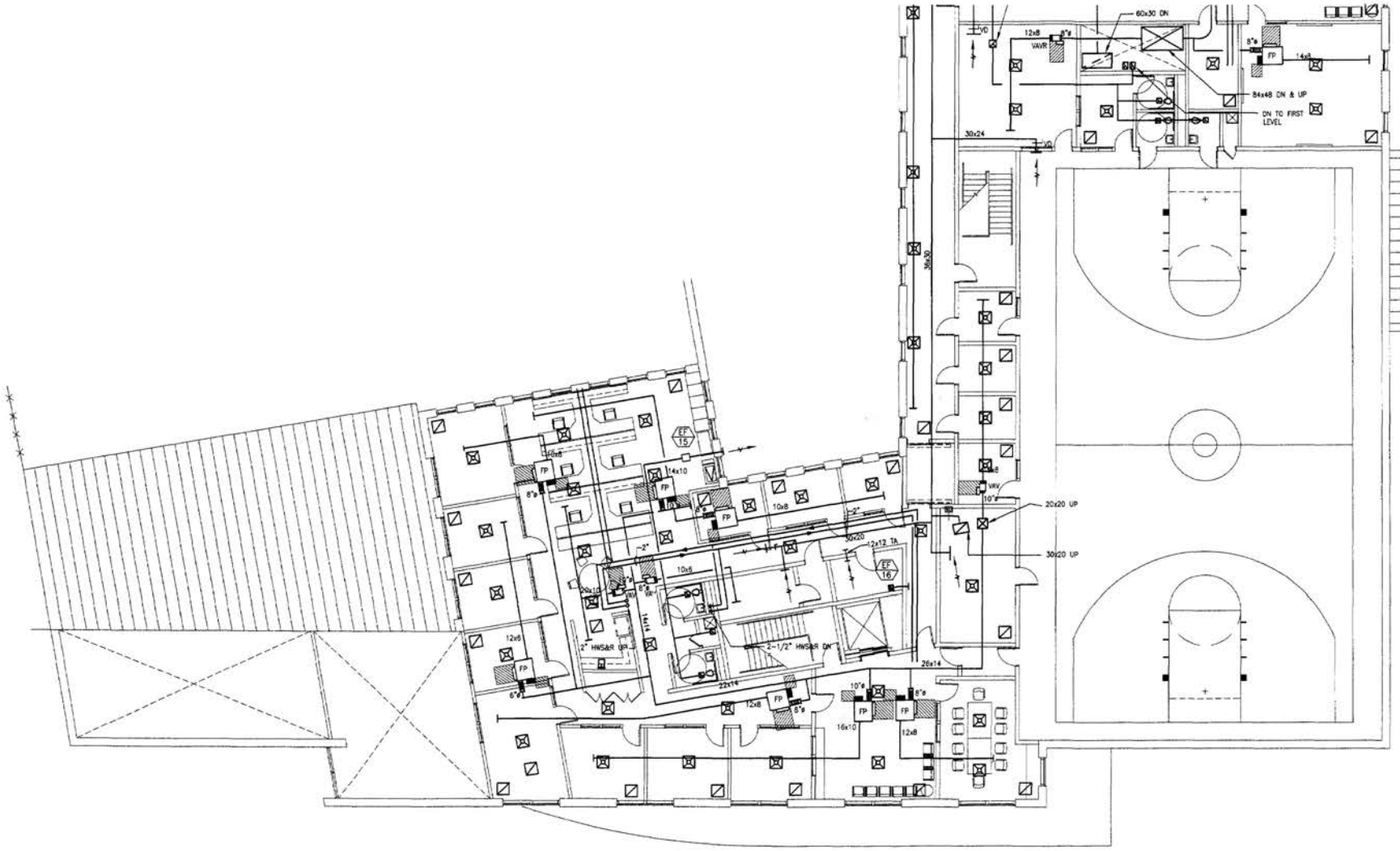
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Sheet Title: FIRST LEVEL ADMINISTRATION HVAC PLAN

Drawn By: N.R.

Scale: 1/8" = 1' 0"

Dwg. No. M2.4



North

PARTIAL SECOND LEVEL ADMINISTRATION HVAC PLAN

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

NO.	Description	Date	Appr.

YOUTH SERVICES CENTER

District of Columbia

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Washington, DC 20009
Tel: 202 462 1982
Fax: 202 462 1082

Mechanical Professional Services, Inc.

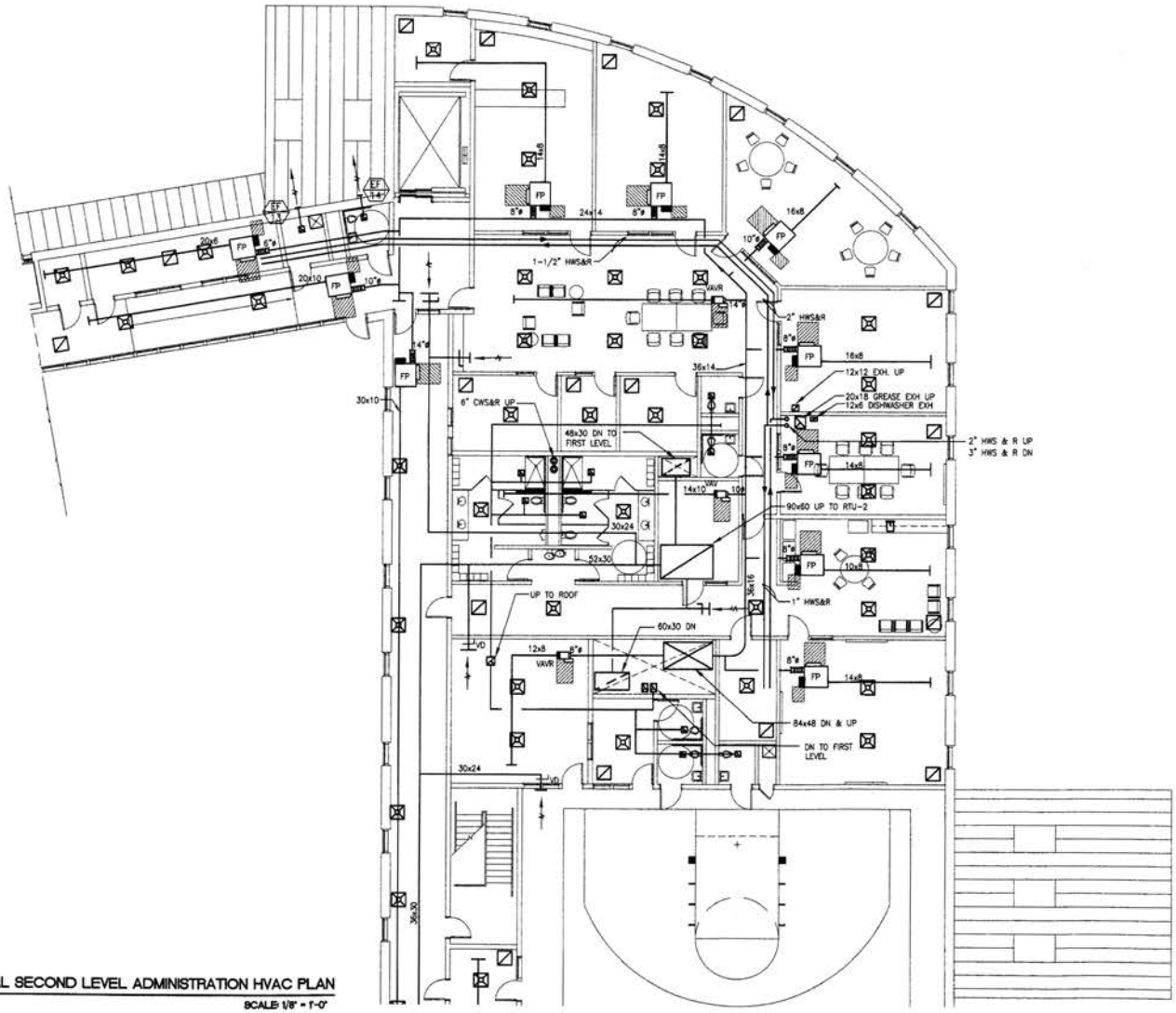
Proj. No.: 99-0329-001

Sheet Title: SECOND LEVEL ADMINISTRATION HVAC PLAN

Drawn By: N.R.

Scale: 1/8" = 1' 0"

Dwg. No. M2.5



North

PARTIAL SECOND LEVEL ADMINISTRATION HVAC PLAN

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

NO.	Description	Date	App.

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Mechanical Professional Services, Inc.
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Orlando, Florida 32822
(407) 438-1500
FAX (407) 438-1900

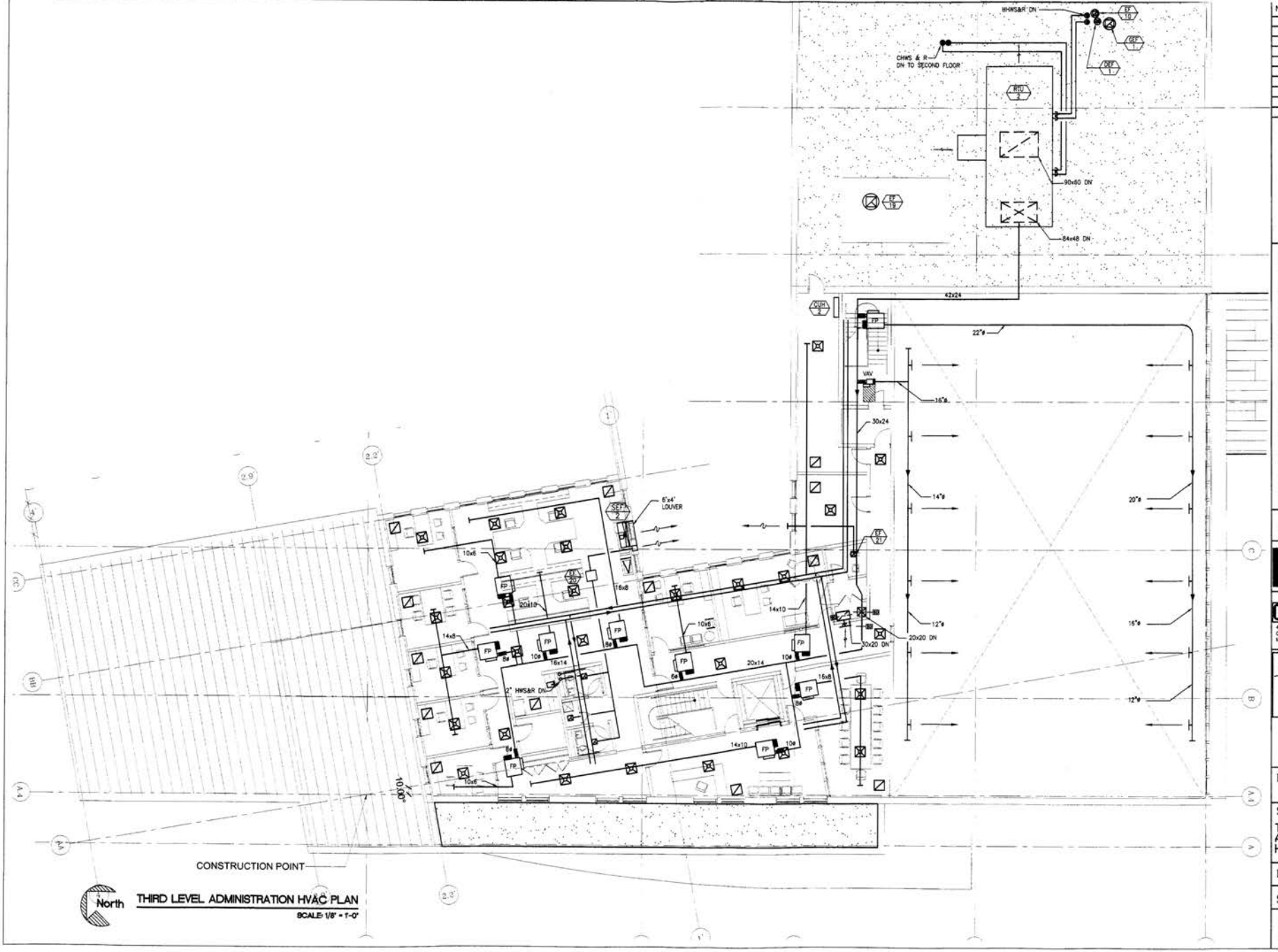
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Sheet Title: SECOND LEVEL ADMINISTRATION HVAC PLAN

Drawn By: N.R.

Scale: 1/8" = 1' 0"

Dwg. No. M2.6



No.	Description	Date	App.

YOUTH SERVICES CENTER
District of Columbia

FINAL CONTRACT SET

ISSUED: DEC. 14, 2001

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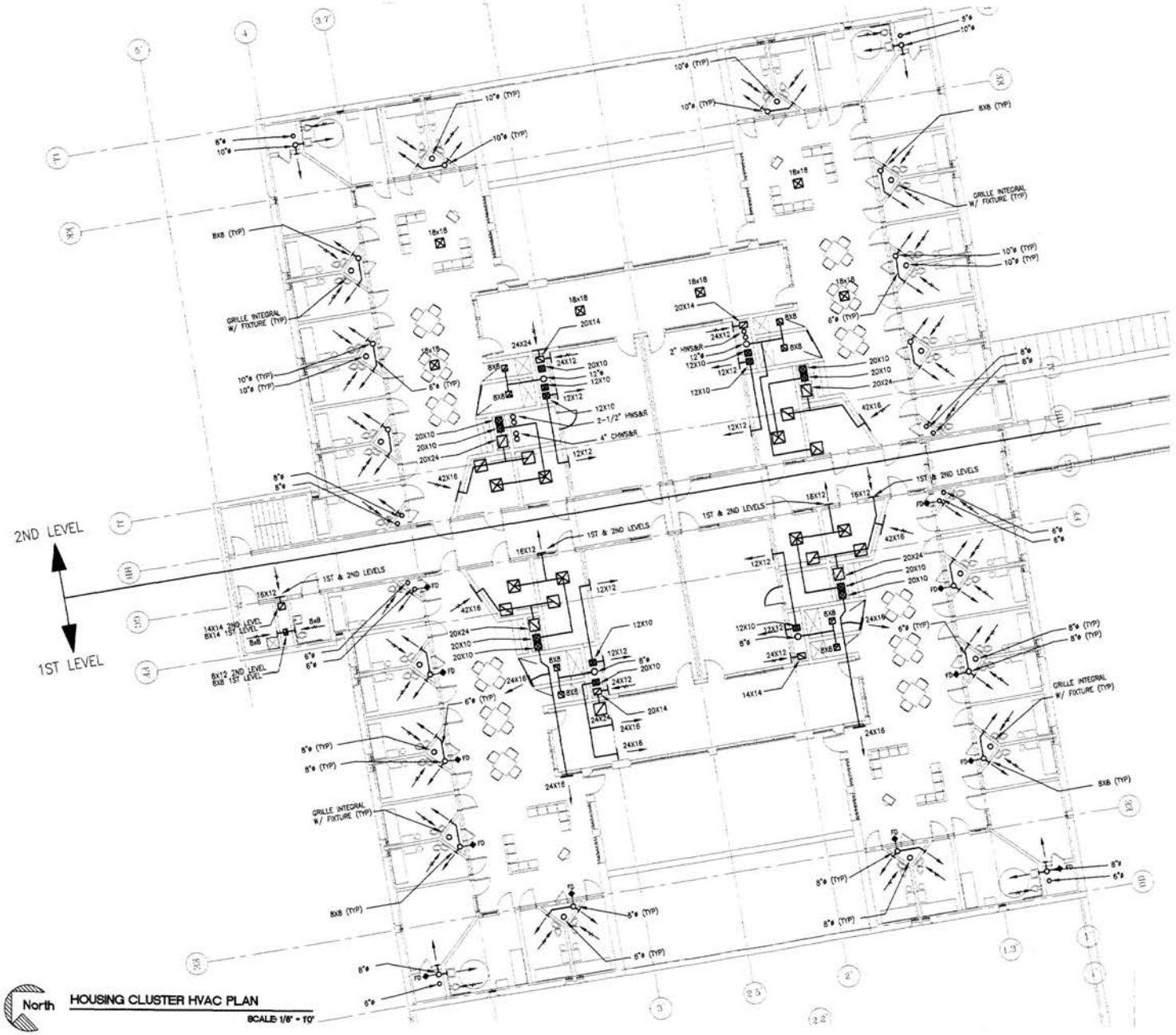
Proj. No.: 99-0329-001

Sheet Title: THIRD LEVEL ADMINISTRATION HVAC PLAN

Drawn By: WLF/N.R

Scale: 1/8" = 1' 0"

Dwg. No. M2.7



North

HOUSING CLUSTER HVAC PLAN

SCALE: 1/8" = 1'0"

No.	Description	Date	App.

YOUTH SERVICES CENTER
District of Columbia

FINAL CONTRACT SET

ISSUED: DEC. 14, 2001

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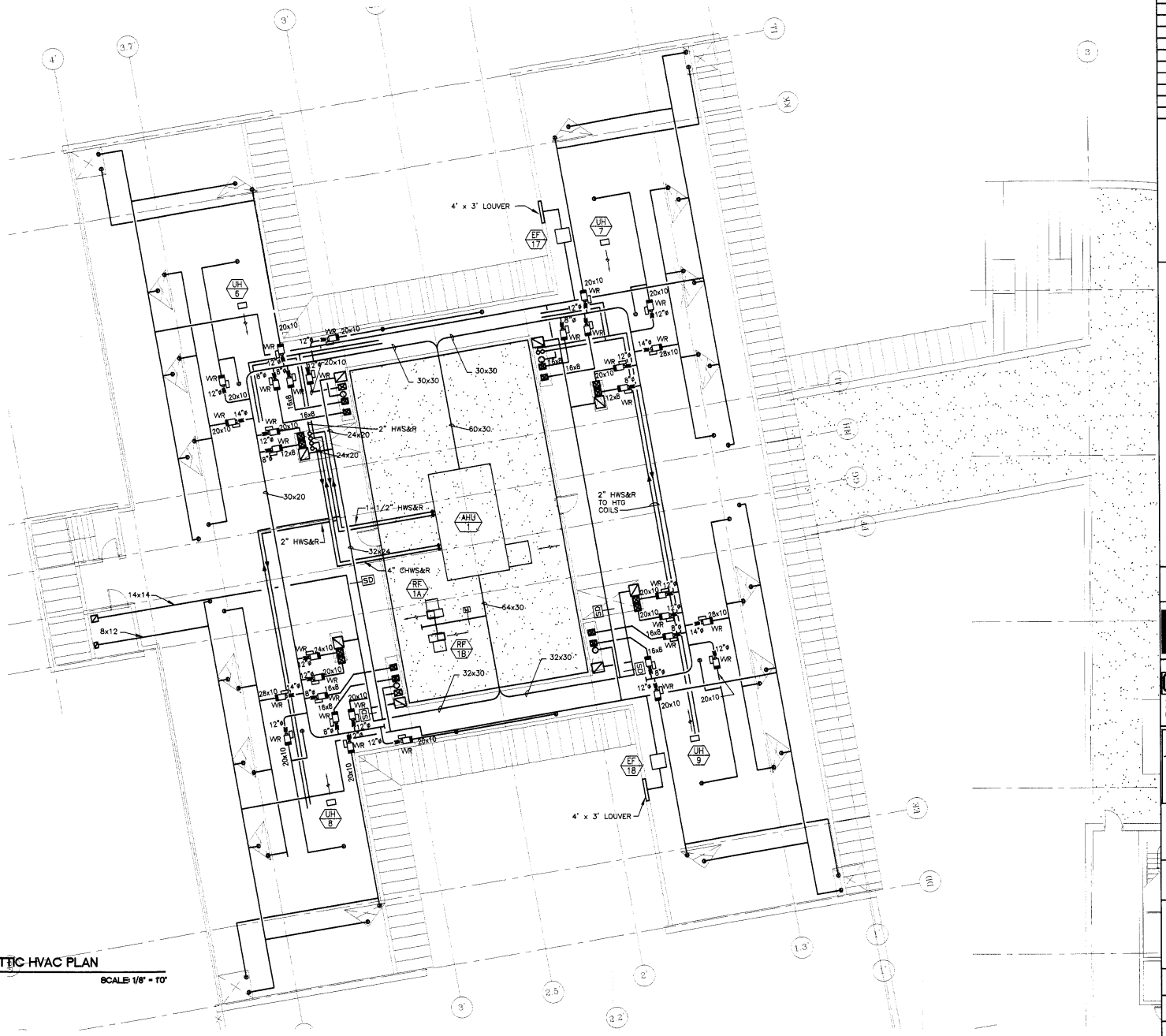
Proj. No.: 99-0329-001

Sheet Title: TYPICAL LEVEL HOUSING CLUSTER HVAC PLAN

Drawn By: WLF / N.R.

Scale: 1/8" = 1'0"

Dwg. No. M2.8



North

HOUSING CLUSTER ROOF / ATTIC HVAC PLAN

SCALE: 1/8" = 1'0"

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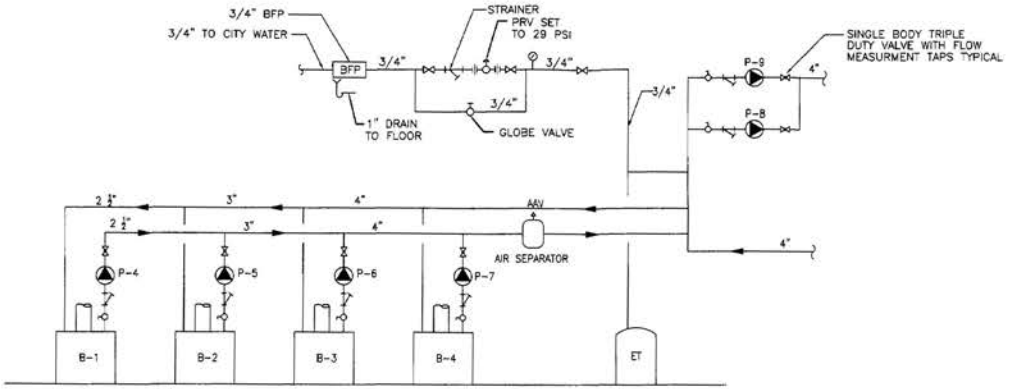
Proj. No.: 99-0329-001

Sheet Title: ROOF LEVEL HOUSING CLUSTER HVAC PLAN

Drawn By: NR / WLF

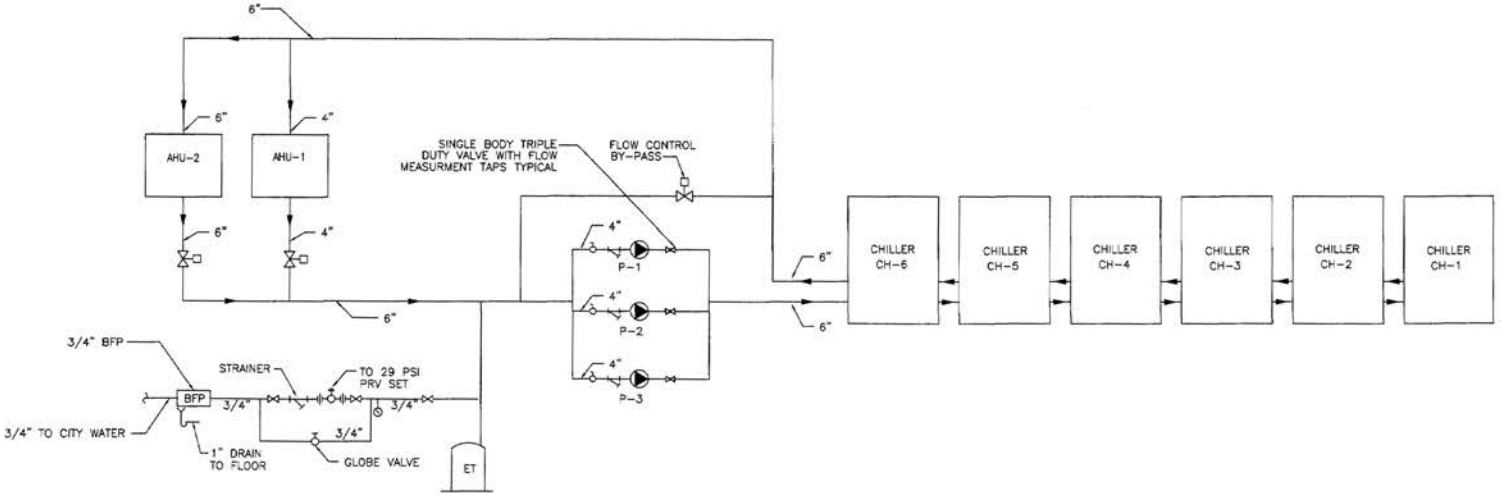
Scale: SCALE: 1/8" = 1'0"

Dwg. No. M2.9



HEATING HOT WATER FLOW DIAGRAM

SCALE: NONE



CHILLED WATER FLOW DIAGRAMS

SCALE: NONE

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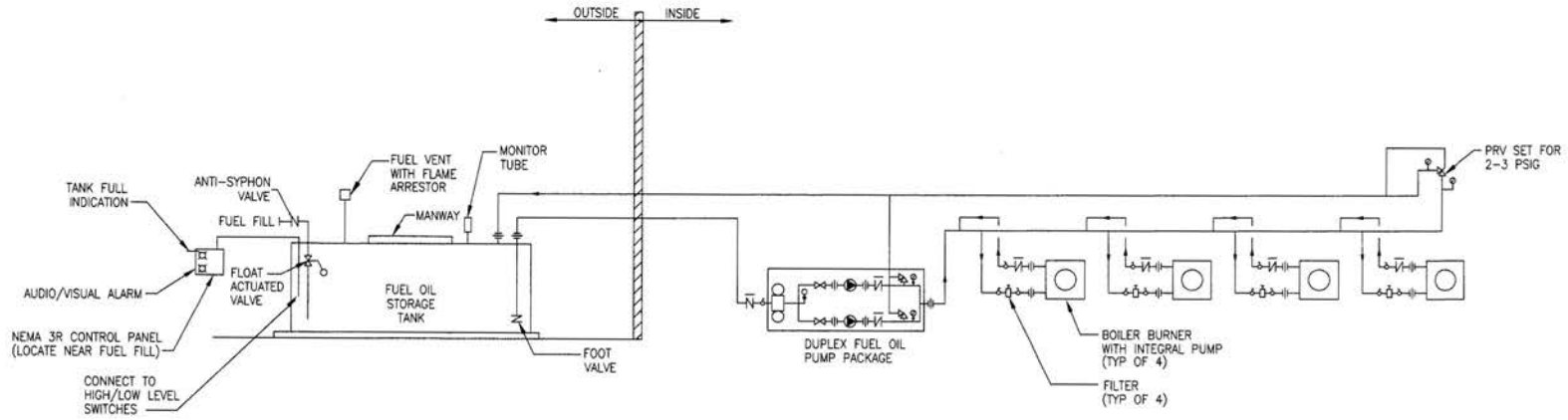
Proj. No.: 99-0329-001

Sheet Title: HVAC FLOW DIAGRAMS

Drawn By: WLF

Scale: NONE

Dwg. No. M6.1



FUEL OIL FLOW DIAGRAM

SCALE: NONE

No.	Description	Date	App.

YOUTH SERVICES CENTER
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Proj. No.: 99-0329-001

Sheet Title: HVAC FLOW DIAGRAMS

Drawn By: WLF

Scale: NONE

Dwg. No. M6.2

AIR HANDLING UNIT SCHEDULE

MARK	LOCATION	SUPPLY FAN DATA						OA CFM	UNIT CONFIGURATION		COOLING COIL							PREHEAT COIL							FILTER	REMARKS
		CFM	ESP	HP	V-PH	WHEEL	RPM		TYPE	SEQUENCE	EAT (DB/WB)	LAT (DB/WB)	T.C. MBH	S.C. MBH	FPM	AIR P.D.	GPM	EWT	LWT	EAT (DEG.F)	LAT (DEG.F)	MBH	GPM	EWT	LWT	FPM	AIR P.D.		
AHU-1	ROOFTOP (HOUSING BLDG)	25,000	3	25 (EA)	460-3			8,000	DT	1, 3, 4, 5, 8			879.9	629.4	500	1	150	44	56			337	22	195	165	500	0.2	30% TA	1, 2
AHU-2	ROOFTOP (SUPPORT BLDG)	50,000	4	40 (EA)	460-3			8,000	DT	10,8,1,3,4,5,8,9			1959.2	1507.7	500	1	335	44	56			540	36	195	165	500	0.2	30% TA	1, 2

UNIT TYPE AND SEQUENCE

DT = DRAW THRU BT = BLOW THRU

1. MIXING BOX WITH FLOW METERING STATION (W/ SIDE INLET O.A. HOOD)
1A. RETURN AIR PLENUM SECTION
2. COMBINATION ANGLE FILTER / MIXING BOX
3. FLAT FILTER SECTION
4. PRE-HEAT COIL
5. COOLING COIL SECTION WITH DRAIN PAN AND ACCESS
6. COOLING COIL SECTION WITH BYPASS DAMPER
7. REHEAT COIL WITH DRAIN PAN
8. FAN SECTION (DUAL FANS BOTH SIZED AT 50% AIRFLOW)
9. DISCHARGE DIFFUSER PLENUM SECTION
10. EXHAUST PLENUM W/ DISCHARGE HOOD
11. CONTRACTOR FABRICATED TRANSITION
12. FINAL FILTER PRE-FILTER 4" PLEATED
13. FINAL FILTER
14. HEPA FILTER MODULE, AAF ASTRO CELL WITH 24"x24"x12" DEEP, 99.99% HEPA FILTERS

REMARKS:

1. FAN SECTION TO INCLUDE TWO FANS EACH SIZED AT 50% AIRFLOW AS SCHEDULED. EACH FAN TO HAVE VARIABLE SPEED DRIVE.
2. AHU MODULE CONSTRUCTION TO BE DOUBLE WALL, INSULATED, SUITABLE FOR OUTDOOR INSTALLATION.

UNIT HEATER SCHEDULE

MARK	LOCATION	TYPE	AIR		HEATING COIL			MOTOR DATA			MFGR. & MODEL	REMARKS
			NOM. CFM	EAT (DEG.F)	MBH	KW	HW GPM	HP (WATTS)	RPM	V-PH		
UH-1	BOILER RM	H	1500		52.7	-	3.6	1/8		115-1		
UH-2	CHILLER RM	H	1500		52.7	-	3.6	1/8		115-1		
UH-3	BSMT SALLYPORT	H	1500		52.7	-	3.6	1/8		115-1		
UH-4	LOADING DOCK	H	1500		52.7	-	3.6	1/8		115-1		
UH-5	VEHICLE SALLYPORT		1500		52.7	-	3.6	1/8		115-1		
UH-6	HOUSING ATTIC	H	1100		37.5	-	2.5	1/8		115-1		
UH-7	HOUSING ATTIC	H	1100		37.5	-	2.5	1/8		115-1		
UH-8	HOUSING ATTIC	H	1100		37.5	-	2.5	1/8		115-1		
UH-9	HOUSING ATTIC	H	1100		37.5	-	2.5	1/8		115-1		

GENERAL NOTES:
1. MODED BASED ON STERLING U.N.O.

TYPE:
H= HORIZ. THROW
V= VERT. THROW

REMARKS:
1. PROVIDE HORIZ. LOUVERS
2. PROVIDE HORIZ. AND VERT. LOUVERS
3. PROVIDE DIFFUSER FOR VERT. THROW
4. PROVIDE ADJUSTABLE AXIAL DIFFUSER FOR VERT. THROW

PUMP SCHEDULE

MARK	SERVICE	LOCATION	TYPE	MOUNTING	GPM	FT. HD.	NPSHR	SIZE	SEAL TYPE	MOTOR HP	MOTOR RPM	MOTOR V-PH	REMARKS
P-1	CHW PR	CHILLER RM	2	2	250	90				15	1750	460-3	
P-2	CHW PR	CHILLER RM	2	2	250	90				15	1750	460-3	
P-3	CHW PR	CHILLER RM	2	2	250	90				15	1750	460-3	
P-4	HW PR	BOILER RM	5	3	55	30				1	1750	460-3	
P-5	HW PR	BOILER RM	5	3	55	30				1	1750	460-3	
P-6	HW PR	BOILER RM	5	3	55	30				1	1750	460-3	
P-7	HW PR	BOILER RM	5	3	55	30				1	1750	460-3	
P-8	HW SEC	BOILER RM	2	2	220	70				7.5	1750	460-3	
P-9	HW SEC	BOILER RM	2	2	220	70				7.5	1750	460-3	
P-10	HW COIL	AHU-1	5	3	22	20				1/2	1750	115-1	
P-11	HW COIL	AHU-2	5	3	36	20				1/2	1750	115-1	
FOP-1,2	FUEL OIL	BOILER RM								3/4	1750	115-1	1

GENERAL NOTES:
1. ACCEPTABLE MANUFACTURERS: B&G, TACO, PACO, AURORA, ARMSTRONG.

TYPE:
1. VERTICAL DISCHARGE, SIDE SUCTION
2. BASE MOUNTED END SUCTION
3. BASE MOUNTED END SUCTION CLOSE COUPLED
4. HORIZONTAL SPLIT CASE
5. CENTRIFUGAL IN-LINE
6. VERTICAL DISCHARGE, VERTICAL SUCTION
7. VERTICAL SHAFT, END SUCTION
8. VERTICLE SHAFT END SUCTION SPLIT CASE

MOUNTING:
1. INERTIA BASE WITH SPRING ISOLATORS
2. GROUT PUMP BASE TO HOUSE KEEPING PAD
3. SUSPENDED IN LINE
4. FOOT MOUNT IN LINE

REMARKS:
1. PROVIDE COMPLETE FUEL OIL PUMP PACKAGE SUITABLE FOR NO. 2 OIL. PACKAGE SHALL BE U.L. LISTED, PRE-PIPED AND WIRED, AND INCLUDE DUPLEX POSITIVE DISPLACEMENT PUMPS.

BOILER SCHEDULE

MARK	LOCATION	BOILER TYPE	NOM. BOILER HP	ELECT. DATA			RELIEF VALVE (PSI)	FUEL	NG PRESS (IN W.C.)	HEATING CAPACITY		GPM	EWT	LWT	ACCESSORIES	REMARKS
				FLA	HP	V-PH				INPUT (MBH)	OUTPUT (MBH)					
B-1	MECH RM	4	19		1/2	115-1	75	NG, NO.2 FUEL OIL	7-14	790	600	55	165	195		
B-2	MECH RM	4	19		1/2	115-1	75	NG, NO.2 FUEL OIL	7-14	790	600	55	165	195		
B-3	MECH RM	4	19		1/2	115-1	75	NG, NO.2 FUEL OIL	7-14	790	600	55	165	195		
B-4	MECH RM	4	19		1/2	115-1	75	NG, NO.2 FUEL OIL	7-14	790	600	55	165	195		

BOILER TYPE:
1. ATMOSPHERIC HW
2. POWER-FIRED HW
3. FAN ASSISTED COMBUSTION
4. MODULAR CAST IRON POWER-FIRED

ACCESSORIES:
1. AUXILARY LWCO
2. FM GAS TRAIN
3. IRI GAS TRAIN
4. DISCONNECT
5. FLOW SWITCH, FIELD INSTALLED AND WIRED

REMARKS:
1. UL OR AGA LABEL AS STANDARD

EXPANSION TANK SCHEDULE

MARK	TYPE	SERVICE	SYSTEM VOLUME (GAL.)	TEMPERATURE (DEG.F)		PRESSURE		TANK VOLUME		TANK SIZE		REMARKS
				COLD TEMP.	HOT TEMP.	FILL (PSIG)	MAX.OPER. (PSIG)	ACCEPTANCE (GAL.)	TOTAL (GAL.)	LENGTH (IN.)	DIAMETER (IN.)	
ET-1	VB	HW										
ET-2	VB	CHW										

TYPE:
VB= VERTICAL BLADDER
HB= HORIZONTAL BLADDER
HC= HORIZONTAL, NO BLADDER WITH SIGHT GLASS, TANK FITTINGS AND DRAIN

No.	Description	Date	App.

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Proj. No.: 99-0329-001

Sheet Title: HVAC SCHEDULES

Drawn By: WLF

Scale: NONE

Dwg. No. M7.1

DIFFUSER SCHEDULE

TAG	DUCT CONNECTION SIZE	NOMINAL FACE SIZE	CFM RANGE	BASIS OF DESIGN	MAXIMUM DIFFUSER NC	ACCESSORIES
SD-1	6"	24x24	0-150	TITUS PAS	30	1, 2
SD-1	8"	24x24	151-250	TITUS PAS	31	1, 2
SD-1	10"	24x24	251-350	TITUS PAS	32	1, 2
SD-1	12"	24x24	351-475	TITUS PAS	32	1, 2
SD-1	14"	24x24	476-600	TITUS PAS	32	1, 2
SD-1	16"	24x24	601-725	TITUS PAS	32	1, 2
SD-1A	6"	24x24	0-140	TITUS PAS	25	1, 2
SD-1A	8"	24x24	141-210	TITUS PAS	25	1, 2
SD-1A	10"	24x24	211-275	TITUS PAS	25	1, 2
SD-1A	12"	24x24	276-325	TITUS PAS	25	1, 2
SD-1A	14"	24x24	326-425	TITUS PAS	25	1, 2
SD-1A	16"	24x24	426-550	TITUS PAS	32	1, 2
SD-2	6"	24x24	0-175	TITUS TDC	32	1, 2
SD-2	8"	24x24	176-275	TITUS TDC	32	1, 2
SD-2	10"	24x24	276-400	TITUS TDC	32	1, 2
SD-2	12"	24x24	401-600	TITUS TDC	32	1, 2
SD-2A	6"	24x24	0-125	TITUS TDC	22	1, 2
SD-2A	8"	24x24	126-175	TITUS TDC	22	1, 2
SD-2A	10"	24x24	176-275	TITUS TDC	22	1, 2
SD-2A	12"	24x24	276-400	TITUS TDC	22	1, 2
SAR-1	SEE PLANS	DUCT + 1-3/4"	SEE PLANS	TITUS 300RL	32	4
DJ-1	SEE PLANS	JOB EDIT	JOB EDIT	ANEMOSTAT DIFUSAJET	JOB EDIT	JOB EDIT
DL-1	SEE PLANS	JOB EDIT	JOB EDIT	KRUEGER DRUM LOUV.	JOB EDIT	JOB EDIT
EAR-1	SEE PLANS	DUCT + 1-3/4"	SEE PLANS	TITUS-350RL	32	4, 8
EAG-1	SEE PLANS	DUCT + 1-3/4"	SEE PLANS	TITUS-350RL	32	8
RAR-1	SEE PLANS	DUCT + 1-3/4"	SEE PLANS	TITUS-350RL	32	4, 8
RAG-1	NON-DUCTED SEE PLANS	12x24	750	TITUS-PXP	32	1, 2
TAG-1	NON-DUCTED SEE PLANS	12x24	750	TITUS-PXP	32	1, 2
RAG-2	NON-DUCTED SEE PLANS	24x24	1500	TITUS-PXP	29	1, 2
TAG-2	NON-DUCTED SEE PLANS	24x24	1500	TITUS-PXP	29	1, 2
RAG-3	SEE PLANS	DUCT + 1-3/4"	SEE PLANS	TITUS-350RL	32	8
TAG-3	SEE PLANS	DUCT + 1-3/4"	SEE PLANS	TITUS-350RL	32	8
RAG-4	SEE PLANS	DUCT + 1-3/4"	SEE PLANS	TITUS-30RS	32	9
EAG-4	SEE PLANS	DUCT + 1-3/4"	SEE PLANS	TITUS-30RS	32	9
TAG-4	SEE PLANS	DUCT + 1-3/4"	SEE PLANS	AL. CUBE CORE 1/2"x1/2"x1/2"	32	1, 2

GENERAL NOTES:

1. PROVIDE ALUMINUM CONSTRUCTION FOR SHOWER ROOMS, LOCKER ROOMS, POOL AND HYDROTHERAPY.
2. PROVIDE ROUND NECK WHERE INDICATED ON PLANS.
3. COORDINATE FRAME AND BORDER WITH CEILING.

ACCESSORIES:

1. BORDER LAY-IN T-BAR APPLICATION, AS REQUIRED.
2. BORDER TYPE-1 FOR SURFACE MOUNTING, AS REQUIRED.
3. (2) 1-1/2" ADJUSTABLE SLOTS WITH PLENUM BOOT, WITH T-BAR CLIPS, PROVIDE PLASTER FRAME AS REQUIRED FOR GWB CEILING.
4. KEY OPERATED OPPOSED BLADE DAMPER.
5. 1" SLOT LINEAR DIFFUSER, CONTRACTOR FABRICATED PLENUM WITH 1" LINING, FLANGED 1-1/8" BORDER 2B, CONCEALED MOUNTING.
6. (1) 1" ADJUSTABLE SLOT WITH PLENUM BOOT, WITH T-BAR CLIPS, PROVIDE PLASTER FRAME AS REQUIRED FOR GWB CEILING.
7. (1) 1-1/2" ADJUSTABLE SLOT WITH PLENUM BOOT, WITH T-BAR CLIPS, PROVIDE PLASTER FRAME AS REQUIRED FOR GWB CEILING.
8. 35° FIXED DEFLECTION.
9. HEAVY DUTY BAR RETURN.

FAN SCHEDULE

MARK	SERVICE	WHEEL PROP.	FAN TYPE	CLASS	ARRANGEMENT	CFM @ 70 DEG.F	EXT. SP	DRIVE TYPE	FAN RPM	MOTOR HP (WATTS)	MOTOR VOLTS	MOTOR PH-HZ	MODEL #	ACCESSORIES	REMARKS
RF-1A	AHU-1	20	9			9,000	1	BELT	755	10	460	3	SFB-20	4, 6	VSD BY MC
RF-1B	AHU-1	20	9			9,000	1	BELT	755	10	460	3	SFB-20	4, 6	VSD BY MC
EF-1	CHILLER ROOM	16	11			4,000	0.75	BELT	1564	2	460	3	BSQ-160	2, 5, 6	
EF-2	BSMT RR EXH		11			300	0.3	BELT	1684	1/4	115	1	BSQ-70	2, 5, 6	
EF-3	VEHICLE SALLYPORT	12	11			1350	0.5	BELT	1567	1/2	115	1	BSQ-120	2, 5, 6	
EF-4	ELEVATOR M.R.		1			400	0.25	DIRECT	1070	1/2	115	1	CSP-252	5	
EF-5	KITCHEN TOILET	-	2			100	0.25	DIRECT	950	(137)	115	1	SP-7	5	
EF-6	VEHICLE SALLYPORT	20	15			1350	0.25	BELT	790	1/2	115	1	SBE-1H20	3, 12	
EF-7	RESTROOM EXH	-	2			100	0.25	DIRECT	950	(137)	115	1	SP-7	5	
EF-8	RESTROOM EXH	-	2			100	0.25	DIRECT	950	(137)	115	1	SP-7	5	
EF-9	MEDICAL SUITE EXH		11			400	0.3	BELT	1279	1/4	115	1	BSQ-80	5, 6	
EF-10	ISOLATION EXH		3			350	0.5	DIRECT	1200	1	460	3	GB-80	1, 8	
EF-11	PROPERTY STORAGE		11			200	0.4	BELT	1537	1/4	115	1	BSQ-70	5, 6	
EF-12	COMM CTR EXH		11			700	0.3	BELT	1421	1/4	115	1	BSQ-90	5, 6	
EF-13	RESTROOM EXH	-	2			100	0.25	DIRECT	950	(137)	115	1	SP-7	5	
EF-14	RESTROOM EXH	-	2			100	0.25	DIRECT	950	(137)	115	1	SP-7	5	
EF-15	RESTROOM EXH		11			300	0.3	BELT	1684	1/4	115	1	BSQ-70	5, 6	
EF-16	ELEVATOR M.R.		1			400	0.25	DIRECT	1070	1/2	115	1	CSP-252	5	
EF-17	CELL TOILETS	18	11			3625	1	BELT	1190	2	460	3	BSQ-180	2, 5, 6	
EF-18	CELL TOILETS	18	11			3625	1	BELT	1190	2	460	3	BSQ-180	2, 5, 6	
EF-19	1ST & 2ND FL ADMIN	18	3			2500	1	BELT	1390	1.5	460	3	GB-180HP	1, 8	
EF-20	RESTROOM EXH		11			300	0.3	BELT	1684	1/4	115	1	BSQ-70	5, 6	
EF-21	RESTROOM EXH	-	2			100	0.25	DIRECT	950	(137)	115	1	SP-7	5	
EF-22	MAIN ELECT RM	30	15			10,000	0.25	BELT	746	1.5	460	3	SBE-2L30	3, 12	
GEF-1	GREASE EX HOOD	20	4			4800	1.5	BELT	1521	3	460	3	CUBE-200HP	8, 14	
DEF-1	DISHWASHER HOOD	10	4			600	1	BELT	2021	1/4	115	1	CUBE-100HP	1, 14	
SEF-1	BSMT SMOKE EXH		11			4,000	0.3	BELT	1061	1	460	3	BSQ-180	2, 3, 5, 6	
SEF-2	3RD FL SMOKE EXH		15			4,000	0.3	BELT	974	1	115	1	SBCE-3H24	3, 12	
SF-1	GREASE EX HOOD	18	11			3840	1	BELT	1224	1.5	460	3	BSQ-150	2, 5, 6	
SF-2	BOILER ROOM	24	15			2000	0.25	BELT	774	1/4	115	1	SBS-1H24	3, 12	

NOTES:

1. MODEL NO. BASED ON GREENHECK U.N.O.
2. PROVIDE ADJUSTABLE SHEAVES THRU 15 HP IF AVAILABLE.
3. MOD. WHERE SCHEDULED TO BE SAME VOLTAGE AS MOTOR

FAN TYPE:

1. CABINET FAN
2. CABINET FAN WITH CEILING GRILLE
3. ROOF CENTRIFUGAL EXHAUSTER
4. ROOF CENTRIFUGAL UPBLAST
5. ROOF AXIAL EXHAUSTER
6. ROOF CENTRIFUGAL SUPPLY
7. ROOF AXIAL SUPPLY
8. TUBE AXIAL
9. UTILITY SET
10. VANE AXIAL
11. INLINE CENTRIFUGAL
12. BASE-MOUNTED CENTRIFUGAL
13. PLUG
14. AXIAL UPBLAST
15. WALL PROP.

ACCESSORIES:

1. 12" HIGH CURB
2. BACKDRAFT DAMPER
3. MOTOR-OPERATED DAMPER (MOD)
4. SPRING ISOLATORS
5. R.I.S. ISOLATORS
6. BELT GUARD
7. ADJUSTABLE SHEAVES
8. DISCONNECT AND INTERNAL CONDUIT
9. INERTIA BASE
10. INLET VANES
11. ALUMINUM BIRD SCREEN
12. WALL MOUNTING BOX WITH GUARD
13. FILTER SECTION
14. NFPA CURB EXTENSION WITH GREASE TRAP

REMARKS:

FAN-POWERED VAV PARALLEL FLOW TERMINAL UNIT SCHEDULE

MARK	PRIMARY AIR DESIGN CFM SIZE	PRIMARY AIR DESIGN CFM MIN. CFM	PRIMARY AIR DESIGN CFM MAX. CFM	FAN DATA CFM	FAN DATA EXT. S.P.	FAN DATA HP	V-PH	ELECTRIC HEAT KW	ELECTRIC HEAT NO. OF STAGES	HOT WATER COIL DATA EAT (DEG.F)	HOT WATER COIL DATA ROWS	HOT WATER COIL DATA MBH	HOT WATER COIL DATA GPM	CONTROLS	REMARKS
FP-A	6"	0	350	300	0.30	1/10		SEE PLANS	1	55	2	22	1.1		TITUS SIZE 2
FP-B	8"	351	600	400	0.30	1/10		SEE PLANS	1	55	2	25	1.2		TITUS SIZE 2
FP-C	10"	601	1000	660	0.30	1/4		SEE PLANS	1	55	2	38	2.0		TITUS SIZE 3
FP-D	12"	1001	1350	900	0.30	1/4		SEE PLANS	1	55	2	59	3.0		TITUS SIZE 4
FP-E	14"	1351	1825	1200	0.40	1/3		SEE PLANS	2	55	2	69	4.0		TITUS SIZE 5
FP-F	16"	1826	3200	1900	0.40	3/4		SEE PLANS	2	55	2	99	5.0		TITUS SIZE 6

GENERAL NOTES:

1. FAN MOTORS TO BE 277V-1PH, UNO.
2. PROVIDE UL OF ETL LABEL.
3. PROVIDE SINGLE POINT WIRING.
4. MIN. PRIMARY CFM SETPOINT TO BE 1/3 OF ZONE DESIGN CFM ON PLAN VIEW.
5. PROVIDE INDUCED AIR FILTER
6. HW COIL DATA BASED ON 190F EWT AND LISTED FAN CFM
7. PROVIDE VARIABLE SPEED OR 3 SPEED FAN MOTOR
8. PROVIDE INLET AIR PRESSURE SWITCH TO CLOSE VAV DAMPER IF NO PRIMARY AIR. DDC INTERLOCK IS ACCEPTABLE ALTERNATIVE.

REMARKS:

1. VARIABLE SPEED FAN, OR . 3-SPEED FAN MOTOR
2. ELECTRIC CONTROLS WITH . WALL MOUNTED THERMOSTAT
3. INLET AIR PRESSURE SWITCH CLOSES VAV DAMPER IF NO PRIMARY AIR.

CONTROLS:

1. DDC UNITARY CONTROLLER
2. PNEUMATIC PRESSURE INDEPENDENT
3. ELECTRONIC STAND ALONE

NO.	DESCRIPTION	DATE	APP.

YOUTH SERVICES CENTER
District of Columbia

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Proj. No.: 99-0329-001

Sheet Title: HVAC SCHEDULES

Drawn By: WLF

Scale: NONE

Dwg. No. M7.2

FAN COIL UNIT SCHEDULE

MARK	SERVES	FAN CFM	OA CFM	ESP (IN. W.C.)	MOTOR V-PH	MOTOR HP	COOLING EAT DB/WB (DEG. F)	COOLING LAT DB/WB (DEG. F)	COOLING T.C. MBH	COOLING S.C. MBH	COOLING CHW GPM	HEATING MBH	HEATING HW GPM	FILTER	TYPE AND CABINET	ACCESSORIES
FCU-1	MAINENANCE	1500	100	0.5	115-1	1/2			48.9	46.7	8	45	3			1, 3

GENERAL NOTES:
1. CHILLED WATER COIL BASED ON 44/56 EWT/LWT, MAX. 10' P.D., MAX 500 FPM F.V.
2. HOT WATER COIL BASED ON 195/165 EWT/LWT, MAX. 10' P.D., MAX. 600 FPM F.V.
3. PROVIDE RISE HANGERS FOR ALL SUSPENDED UNITS.

ACCESSORIES:
1. WALL-MOUNTED PROGRAMMABLE TIME CLOCK THERMOSTAT
2. SPRING HANGER
3. RIS HANGERS

HOT WATER CABINET UNIT HEATER SCHEDULE

MARK	LOCATION	FAN DATA CFM	FAN DATA ESP (IN. W.C.)	FAN DATA HP	FAN DATA V-PH	HEATING COIL EAT (DEG.F)	HEATING COIL MBH	HEATING COIL EWT (DEG.F)	HEATING COIL GPM	INLET	OUTLET	MOUNTING	T-STAT	REMARKS
CUH-1	ENTRY LOBBY	540		1/4	115-1		37.5	195	2.5	FRONT	FRONT	CR	WALL	4
CUH-2	3rd FL HALL	540		1/4	115-1		37.5	195	2.5	FRONT	TOP	WS	WALL	4
CUH-3	BSMT STAIR	540		1/4	115-1		37.5	195	2.5	FRONT	TOP	WS	WALL	4

GENERAL NOTES:
1. PROVIDE FILTER

MOUNTING:
WR= WALL RECESSED
WS= WALL SURFACE
CR= CEILING RECESSED
CS CEILING SURFACE
C= CONCEALED WITH ACCESS PANEL

REMARKS:
1. TWO-SPEED FAN
2. DUCTED OUTLET CONNECTION
3. DUCTED INLET CONNECTION
4. PROVIDE CONTROL TRANSFORMER FOR WALL MTD. T-STAT

VARIABLE VOLUME HW REHEAT SCHEDULE

MARK	INLET SIZE (IN.)	DESIGN CFM MIN.	DESIGN CFM MAX.	AIR P.D. (IN. W.C.)	AIR P.D. H2O P.D.	MBH AT MAX CFM	GPM	CONTROLS
WH-A	6"	0	350	0.18	0.2		0.6	
WH-B	8"	351	600	0.27	0.3		1.0	
WH-C	10"	601	1000	0.35	0.4		1.5	
WH-D	12"	1001	1350	0.34	0.8		2.0	
WH-F	16"	1826	2400	0.34	0.7		4.0	
WH-G	24"x16"	2401	3800	0.34	2.0		6.0	

GENERAL NOTES:
1. MBH AND GPM BASED ON 190 DEG.F EWT, 150 DEG.F LWT (APPROX.), AND 65 DEG.F ENTERING AIR, MAX. 5.0 P.D.
2. AIR P.D. IS HW COIL ONLY, MAXIMUM ALLOWABLE.

CONTROLS:
1. DDC UNITARY CONTROLLER
2. PNEUMATIC PRESSURE INDEPENDENT
3. ELECTRONIC STAND ALONE

MULTISTACK CHILLER WITH REMOTE AIR COOLED CONDENSER SCHEDULE

MARK	NOMINAL CAPACITY (TONS)	TYPE	UNIT V-PH	INPUT (KW)	EVAPORATOR GPM	EVAPORATOR ENTERING (DEG.F)	EVAPORATOR LEAVING (DEG.F)	EVAPORATOR P.D. (FT.)	CONDENSER AMBIENT (DEG F)	CONDENSER NO. FANS	CONDENSER HP EACH	ACCESSORIES	REMARKS
CH-1	45	4	460-3		84	56	44	20	95	4	1.5		
CH-2	45	4	460-3		84	56	44	20	95	4	1.5		
CH-3	45	4	460-3		84	56	44	20	95	4	1.5		
CH-4	45	4	460-3		84	56	44	20	95	4	1.5		
CH-5	45	4	460-3		84	56	44	20	95	4	1.5		
CH-6	45	4	460-3		84	56	44	20	95	4	1.5		

GENERAL NOTES:
1. EVAPORATOR PERFORMANCE BASED ON .0001 FOULING FACTOR
2. PROVIDE UNIT MOUNTED DDC CONTROLS WITH REMOTE ALARM CONTACT

TYPE:
1. CENTRIFUGAL
2. SCREW
3. RECIPROCATING
4. SCROLL

ACCESSORIES:
1. FLOW SWITCHES FOR FIELD INSTALLATION
2. FLOW SWITCHES FACTORY MOUNTED
3. LOW AMBIENT TO ZERO DEGREES F
4. UNIT SPRING ISOLATORS

REMARKS:
1.

No.	Description	Date	By

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Mechanical Professional Services, Inc.

Proj. No.: 99-0329-001

Sheet Title: HVAC SCHEDULES

Drawn By: WLF

Scale: NONE

Dwg. No. M7.3

DUCT SYSTEM SCHEDULE

UNIT / SYSTEM	DUCT SYSTEM	DESIGN CRITERIA		SMACNA PRESSURE/VELOCITY CLASS & SEAL CLASS				DUCT MATERIAL					EXTERNAL DUCT INSULATION					INTERNAL DUCT LINER		KEYED NOTES
		MAXIMUM AIR VELOCITY (FPM)	MAXIMUM FRICTION LOSS (IN W.G. PER 100)	PRESSURE (IN W.G.)	POSITIVE	NEGATIVE	SEAL CLASS	GALV. SHEET METAL	ALUMINUM	16 GA. BL. IRON	STAINLESS	FRP	RIGID BOARD	FLEXIBLE BLANKET	VAPOR BARRIER	THICKNESS (INCHES)	DENSITY (CU. FT.)	THICKNESS (INCHES)	DENSITY (CU. FT.)	
AHU-1 & 2 (MP VAV)	MP RISERS	2500	0.25	4	X		A	X												
	MP FLOOR	2400	0.25	3	X		A	X												
	LP SUPPLY AIR	1250	0.12	1	X			X										1	1.5	A
	LP RETURN AIR	1000	0.10	1		X		X										1	1.5	B
FCU	FLOOR	1500	0.15	2	X			X										1	1.5	
SPLIT SYS AHU	RETURN AIR	1000	0.10	1		X		X										1	1.5	B
	OUTSIDE AIR	1000	0.10	1		X		X												
EF-1	DISCHARGE DUCT	1000	0.10	1	X			X												
LOCAL	SUCTION DUCT	1000	0.10	1		X	A	X												
EF-2	DISCHARGE DUCT	1500	0.15	1	X		A	X												
CENTRAL	SUCTION RISERS	1500	0.15	2		X	A	X												
	SUCTION FLOOR	1250	0.10	1		X	A	X												
SF-1	DISCHARGE	1500	0.15	1	X			X												
	SUCTION	1500	0.15	1		X		X												
KITCHEN HOOD	DISCHARGE	2200								X										C
	SUCTION	2200								X										C

GENERAL NOTES:
1. SEE PLANS FOR EXCEPTIONS TO THE ABOVE
2. DUCT SIZES SHOWN ON PLANS ARE SHEET METAL (CLEAR INSIDE) DIMENSIONS AND (DO NOT) INCLUDE ALLOWANCE FOR INTERNAL LINING
3. ALL ROUND AND FLEXIBLE DUCT FOR THE SYSTEM IS EXTERNALLY INSULATED

KEYED NOTES:
A. PROVIDE MINIMUM 5 FOOT LINED DUCT DOWN STREAM OF ALL AIR TERMINAL UNITS AND ADDITIONAL AS REQUIRED SO THAT NOT MORE THAN 20 FOOT MAIN AND BRANCH DUCT IS UNLINED
B. PROVIDE RETURN AIR DUCT LINING ONLY WHERE INDICATED ON DRAWINGS OR AS OTHERWISE DESCRIBED.
C. ALL WELDED, MIN. VEL. 1500 FPM, PITCH HORIZ. 1 INCH PER FT. TO HOOD, CLEAN OUTS PER CODE

PIPE SYSTEM SCHEDULE

SYSTEM	PIPE SIZE OR SERVICE	DESIGN CRITERIA			PIPE MATERIAL							CONNECTION								INSULATION			JACKET				KEYED NOTES
		PRESSURE CLASS	MAX VELOCITY (FPM)	MAX HEAD (FT/100FT)	SEAM	BLACK STEEL (SCH OR WT)	COPPER (TYPE)	PVC (SCH)	STAINLESS (TYPE/WT)	GALVANIZED (SCH)	PLASTIC COATED	GROOVED	THREAD AND COUPLE	WELD	SOLDER	BRAZED OR SILFLOSS	NEOPRENE GASKET	GASKETED PUSH	SOLVENT WELD	THICKNESS (INCHES)	GLASS FIBER	CELLULAR FOAM	GLASS MESH W/ W.P. PAINT	ALUMINUM JACKET	KRAFT V. B. JACKET (ASJ)	PVC JACKET	
CHILLED WATER	2 AND SMALLER		10	4			L								X					1	X			X			C, F
	2 AND SMALLER		10	4	CW	40							X							1	X			X			F
	2 1/2 AND LARGER		10	4	ERW	40								X						1	X			X			E
	2 1/2 AND LARGER		10	4	ERW	40						X								1	X			X			A,B,E
HEATING HOT WATER	2 AND SMALLER		10	4			L								X					1.5	X			X			C,F
	2 AND SMALLER		10	4	CW	40							X	X						1.5	X			X			F
	2 1/2 AND LARGER		10	4	ERW	40								X						1.5	X			X			E
	2 1/2 AND LARGER		10	4	ERW	40						X								1.5	X			X			A,B,E
REFRIGERANT PIPING	LIQUID		-	-			ACR					X				X											D
	HOT GAS		-	-			ACR									X											D
	SUCTION		-	-			ACR									X				0.5		X					D
AC CONDENSATE	ALL						L								X												
	ALL							40											X									

GENERAL NOTES:
1. PROVIDE DIELECTRIC UNION BETWEEN DISSIMILAR PIPING MATERIALS.

KEYED NOTES:
A. USE ZERO FLEX RIGID COUPLINGS FOR DISTRIBUTION PIPING.
B. USE STANDARD FLEX COUPLINGS FOR ALL FINAL EQUIPMENT CONNECTIONS.
C. SOLDER TO BE 95/5 LEAD FREE.
D. VELOCITY AND PRESSURE DROP PER ASHRAE RECOMMENDATIONS.
E. STANDARD WALL FOR PIPE SIZE 12 INCHES AND LARGER.

KEYED NOTES CONTINUED:
F. INSULATION TO TERMINAL UNITS, LESS THAN 12 FEET IN LENGTH, MAY BE REDUCED TO 1/2.
G. INSULATION AT EXPOSED TO WEATHER LOCATIONS ONLY.

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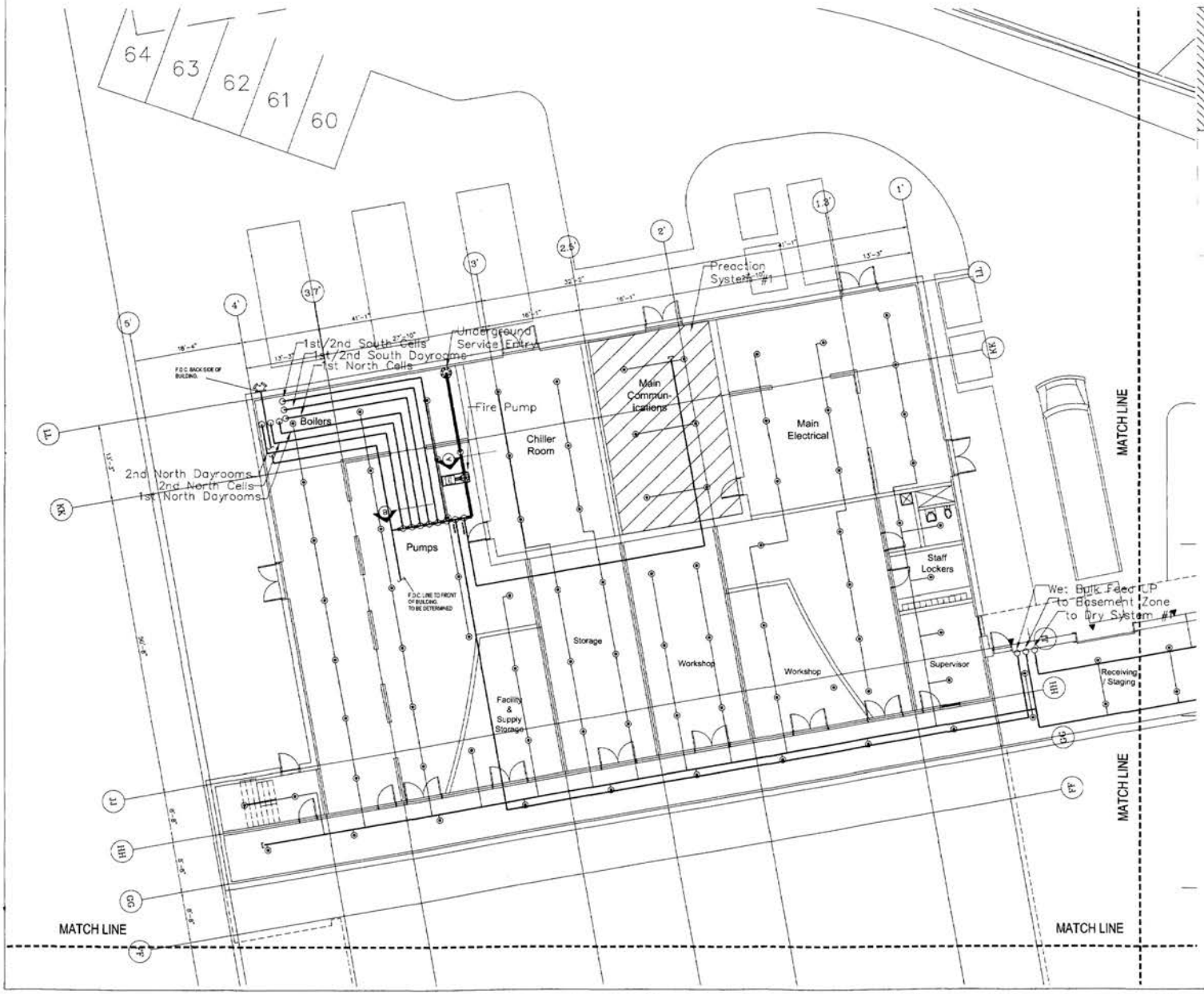
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Dwg. No. M7.4

A Basement Level Floor Plan

0 4 8 16





BASEMENT SPRINKLER PIPING

No.	Description	Date	App.

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Coast Fire Protection
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Sheet Title: BASEMENT FLOOR FIRE PROTECTION

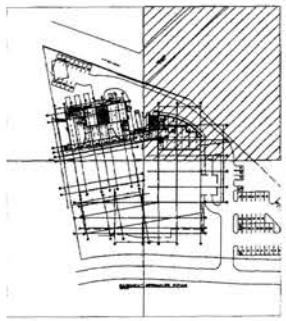
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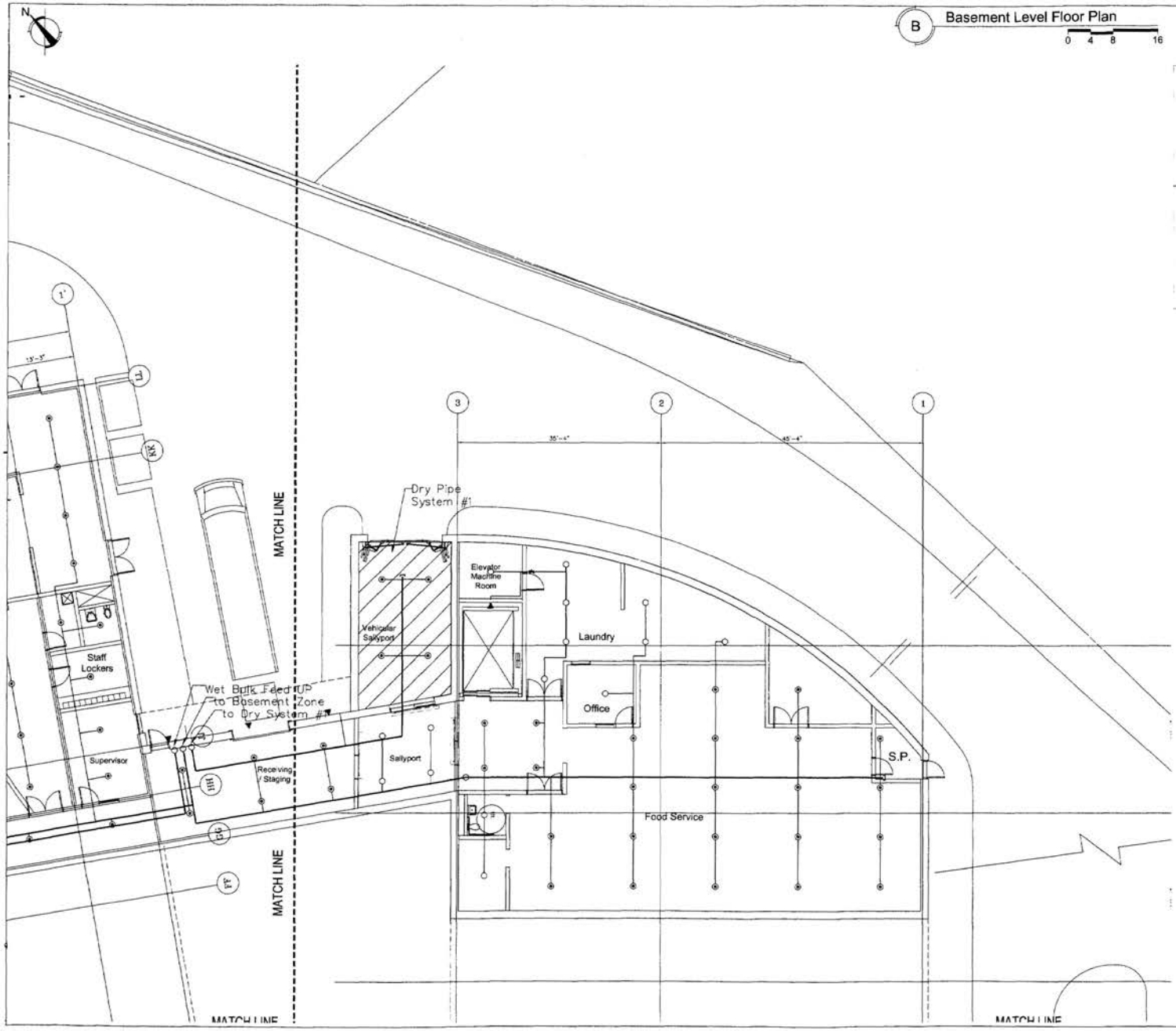
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B Basement Level Floor Plan

0 4 8 16



BASEMENT SPRINKLER PIPING



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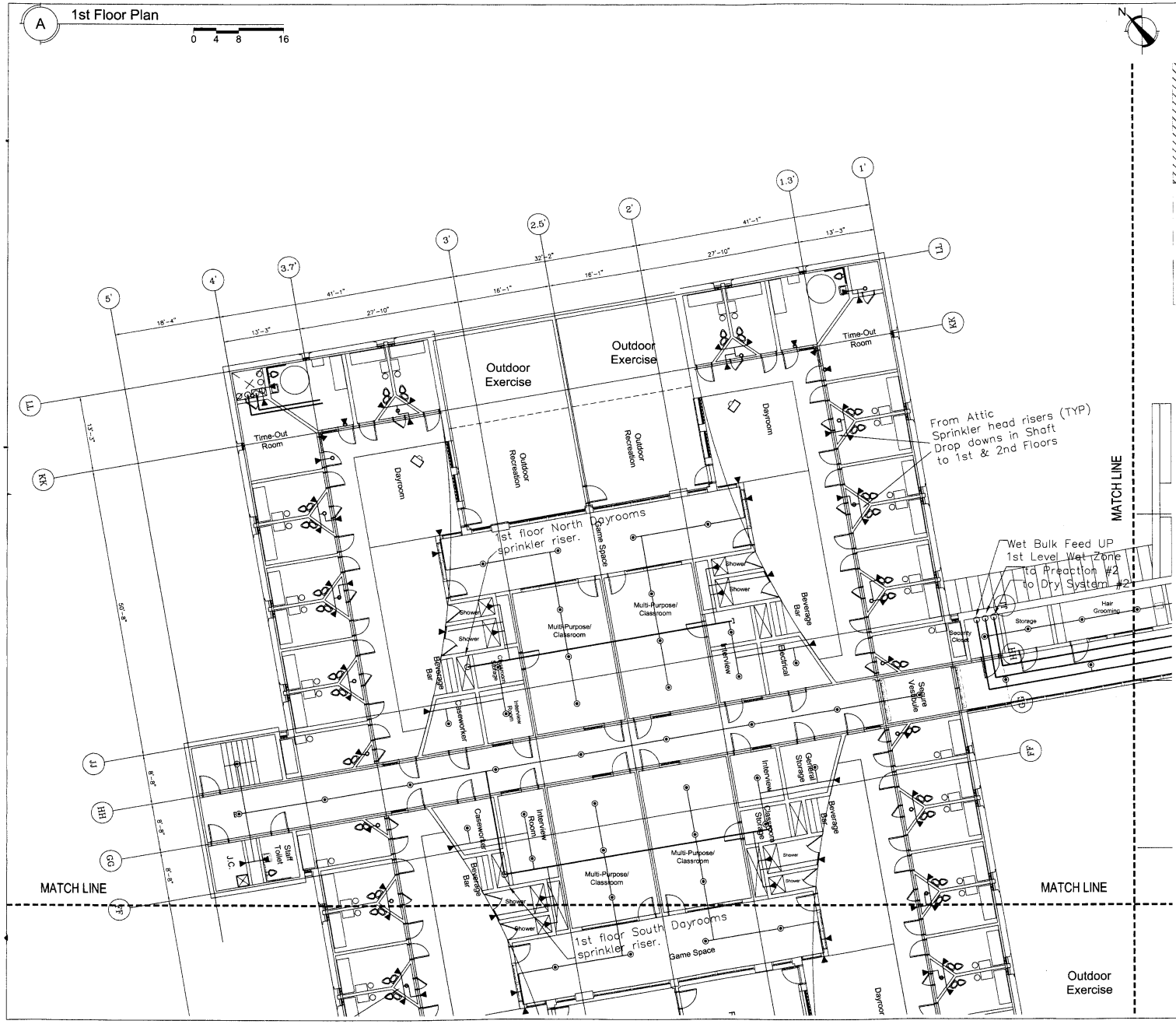
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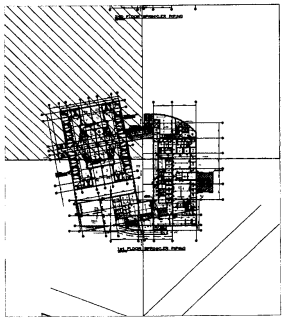
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Dwg. No. FP.1B

A 1st Floor Plan

0 4 8 16





1ST FLOOR SPRINKLER PIPING
1/8"=1'-0"

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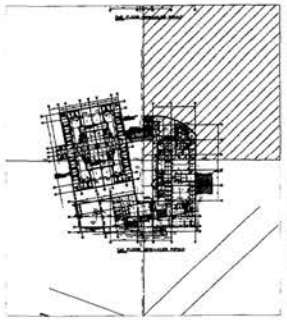
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Dwg. No. FP.2A

B 1st Floor Plan

0 4 8 16



1ST FLOOR SPRINKLER PIPING

From Attic
Sprinkler head risers (TYP)
Drop downs in Shaft
to 1st & 2nd Floors

Wet Bulk Feed UP
1st Level Wet Zone
to Preaction #2
to Dry System #2

MATCH LINE

MATCH LINE

MATCH LINE

Outdoor Exercise

Intake Center

Lektriever System
59.75" deep x 47" wide

Multi-purpose
(future dining)

Medical

Doctor's Office

Medical Records

Pharmacy

Observation

Medical Supervisor / RN

Nurse's Station

Supply

Staff Toilet

Dentist

Exam

Waiting

X-ray & port X-ray

Isolation

Clean Clothing Issue

Group Holding (1)

Group Holding (2)

Storage

Open Process Waiting

Social Worker (1)

Social Worker (2)

Property Storage

Intake Holding (1)

Intake Holding (2)

Intake Counter

Hair Grooming

Storage

Security Closet

No.	Description	Date	App.

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1st FLOOR
FIRE PROTECTION

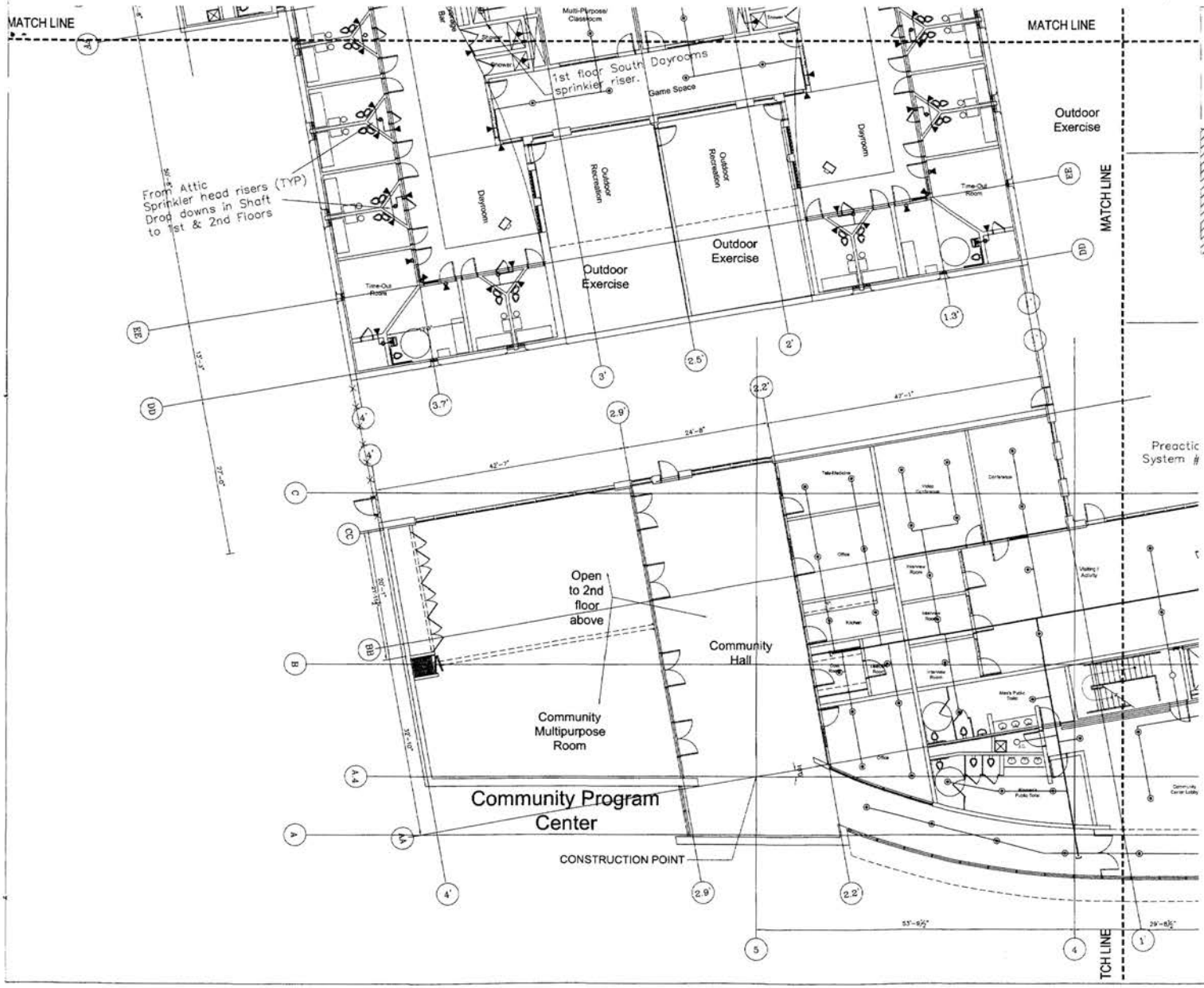
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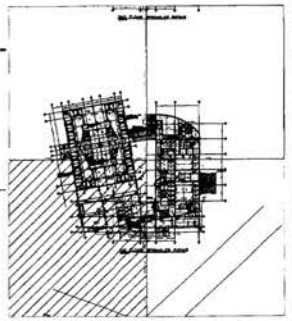
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Dwg. No. FP.2B

C 1st Floor Plan

0 4 8 16





1ST FLOOR SPRINKLER PIPING

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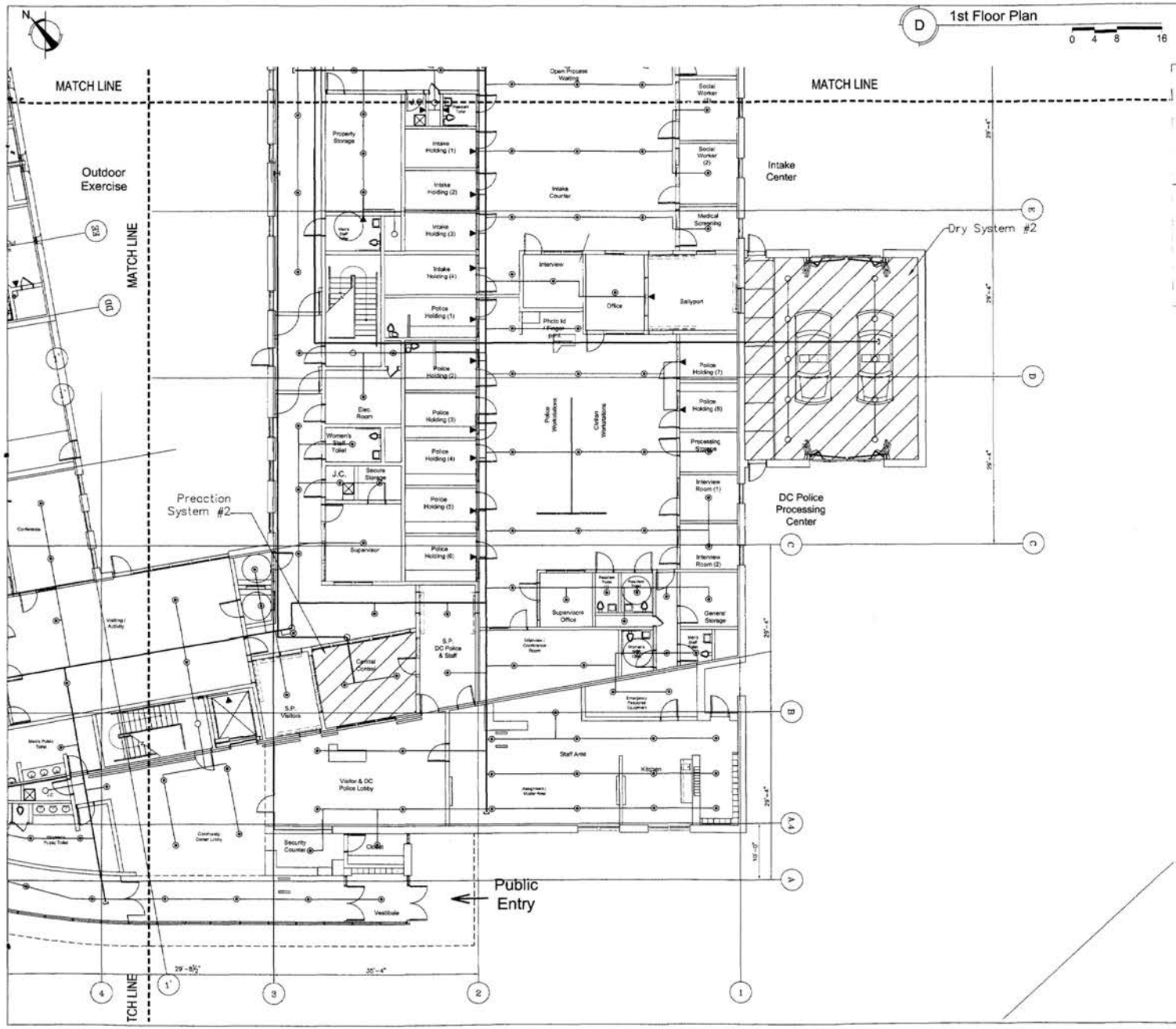
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Sheet Title: 1st FLOOR FIRE PROTECTION

Drawn By: JLD

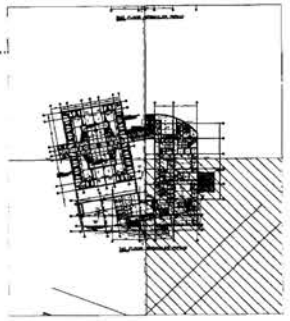
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Dwg. No. FP.2C



D 1st Floor Plan

0 4 8 16



1ST FLOOR SPRINKLER PIPING

No.	Description	Date	App.

YOUTH SERVICES CENTER
District of Columbia

FINAL CONTRACT SET

ISSUED: DEC. 14, 2001

HELLMUTH, OBATA + KASSABAUM, PC
3223 Grace Street NW
Washington DC 20007
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Chantilly, VA 20151
Main:703 828 3200 Fax: 703 802 1580

JLM LYNCH CONSULTING, LLC
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Washington, DC 20009
Tel: 202 462 1092
Fax: 202 462 1082

Coast Fire Protection
ECFP.COM
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Chantilly, VA 20151
(703) 502-0387 - FAX (703) 502-3084

Proj. No.: 99-0329-001

Sheet Title: 1st FLOOR FIRE PROTECTION

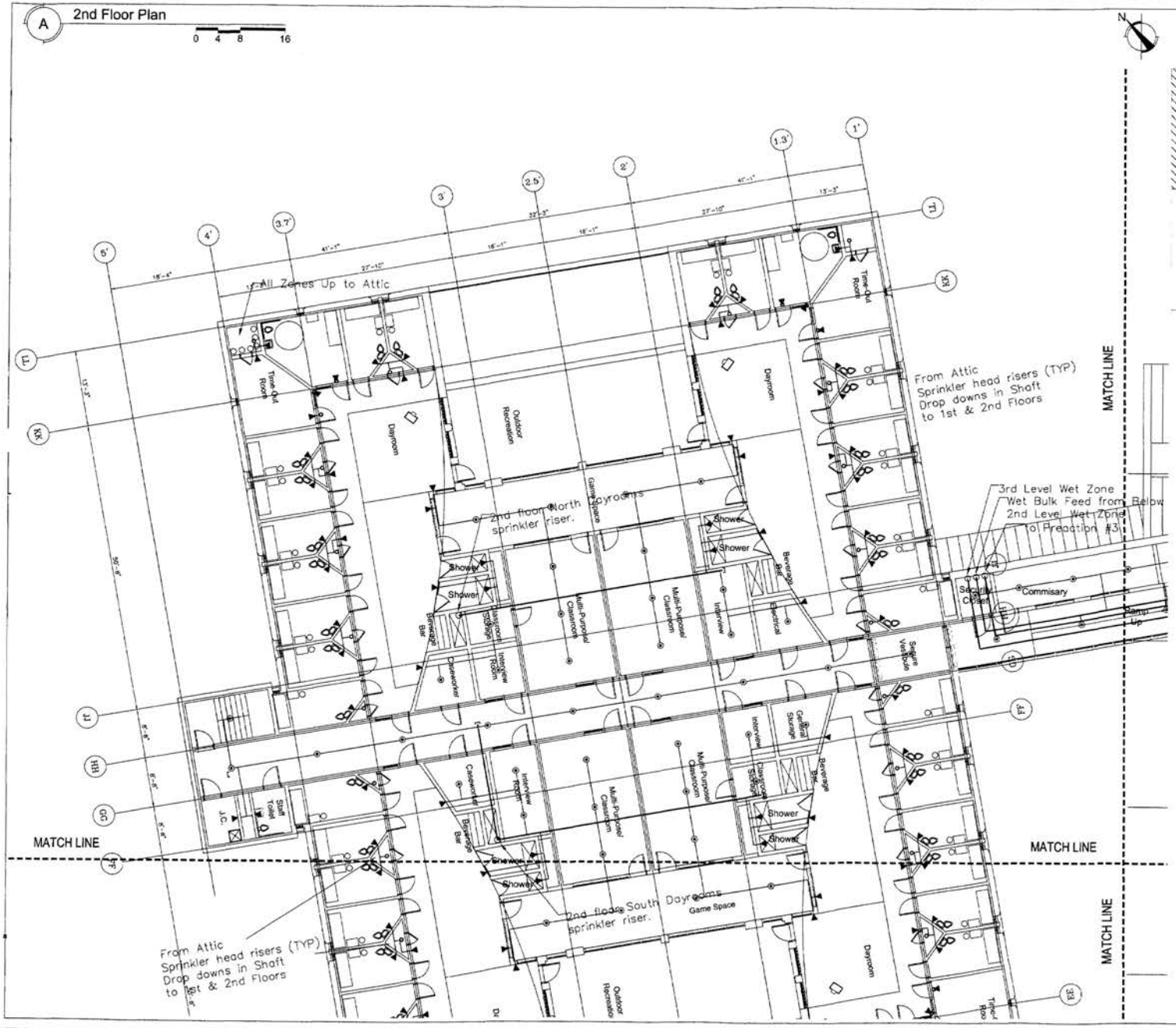
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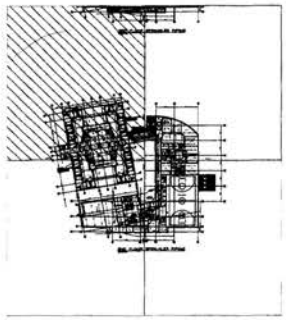
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Dwg. No. FP.2D

A 2nd Floor Plan

0 4 8 16





2ND FLOOR SPRINKLER PIPING

No.	Description	Date	App.

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District of Columbia

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Chantilly, VA 20151
(703) 502-0397 - FAX (703) 502-3066

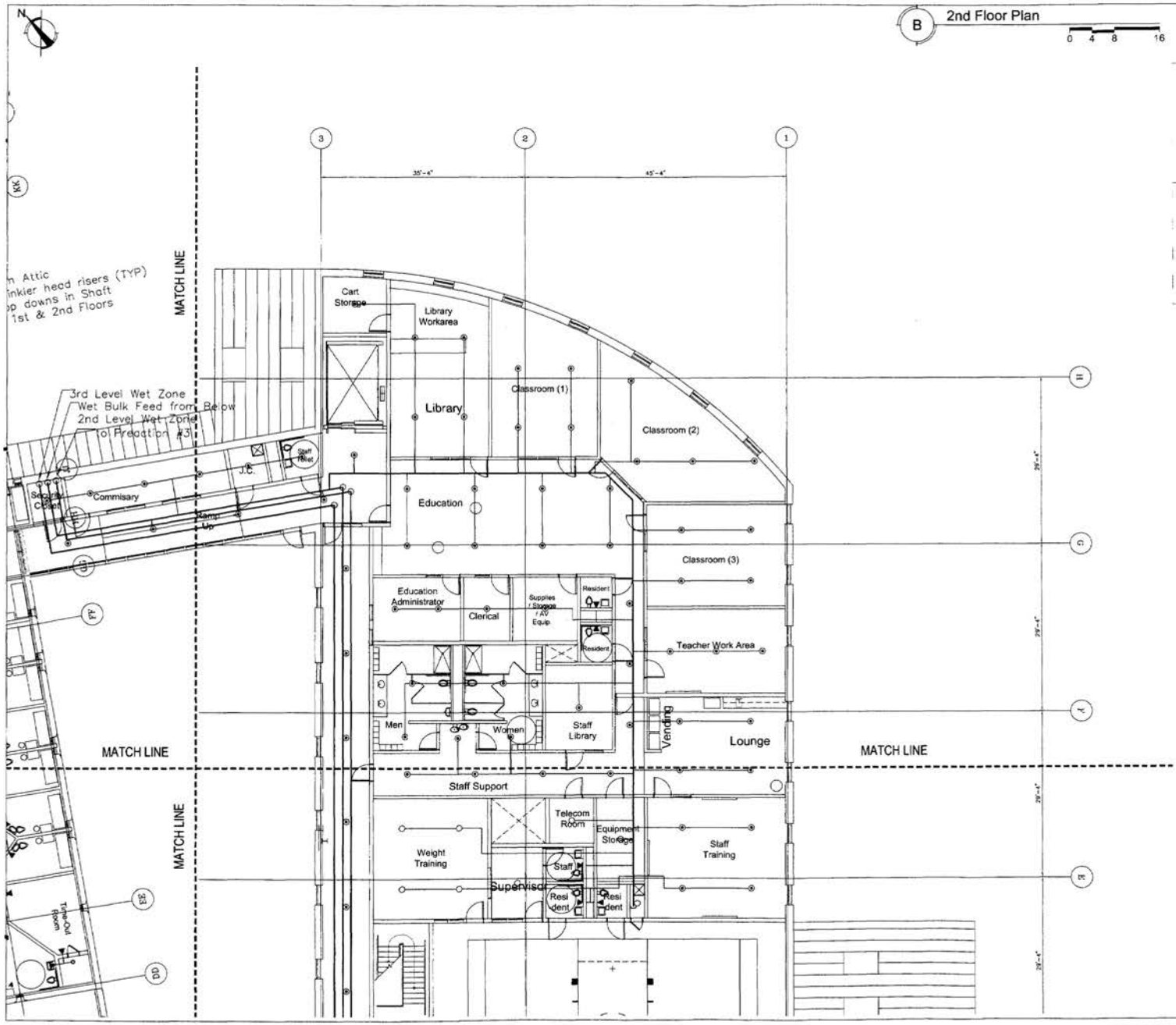
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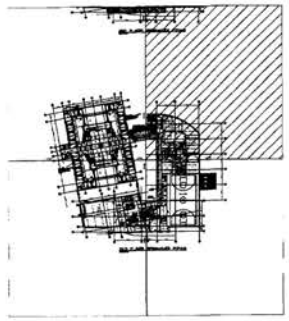
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Dwg. No. FP.3A





2ND FLOOR SPRINKLER PIPING

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(703) 502-0307 - FAX (703) 502-3086

Proj. No.: 99-0329-001

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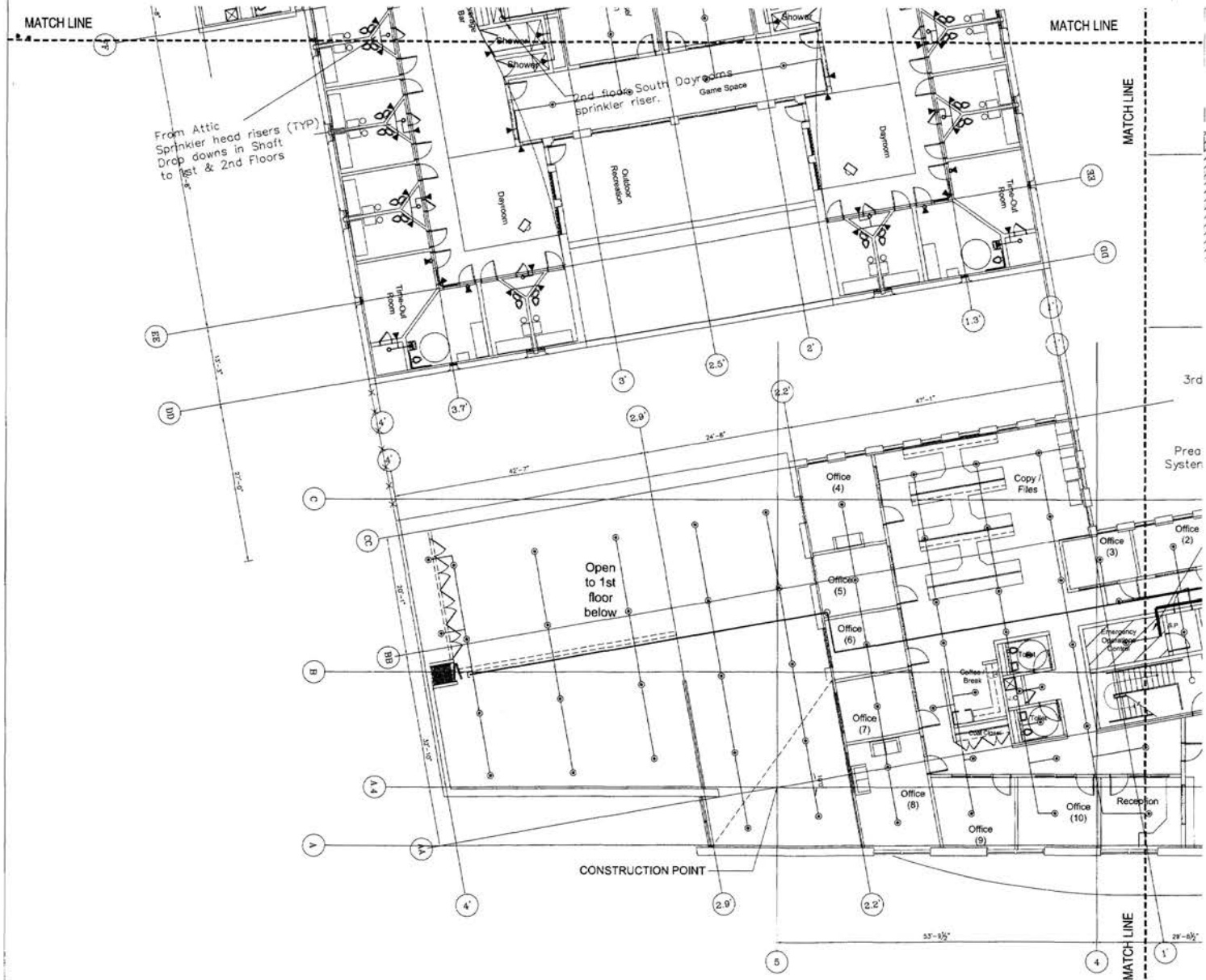
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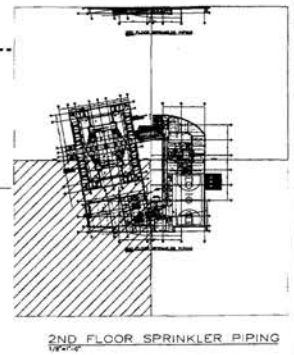
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Dwg. No. FP.3B

C 2nd Floor Plan

0 4 8 16





2ND FLOOR SPRINKLER PIPING

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Chantilly, VA 20151

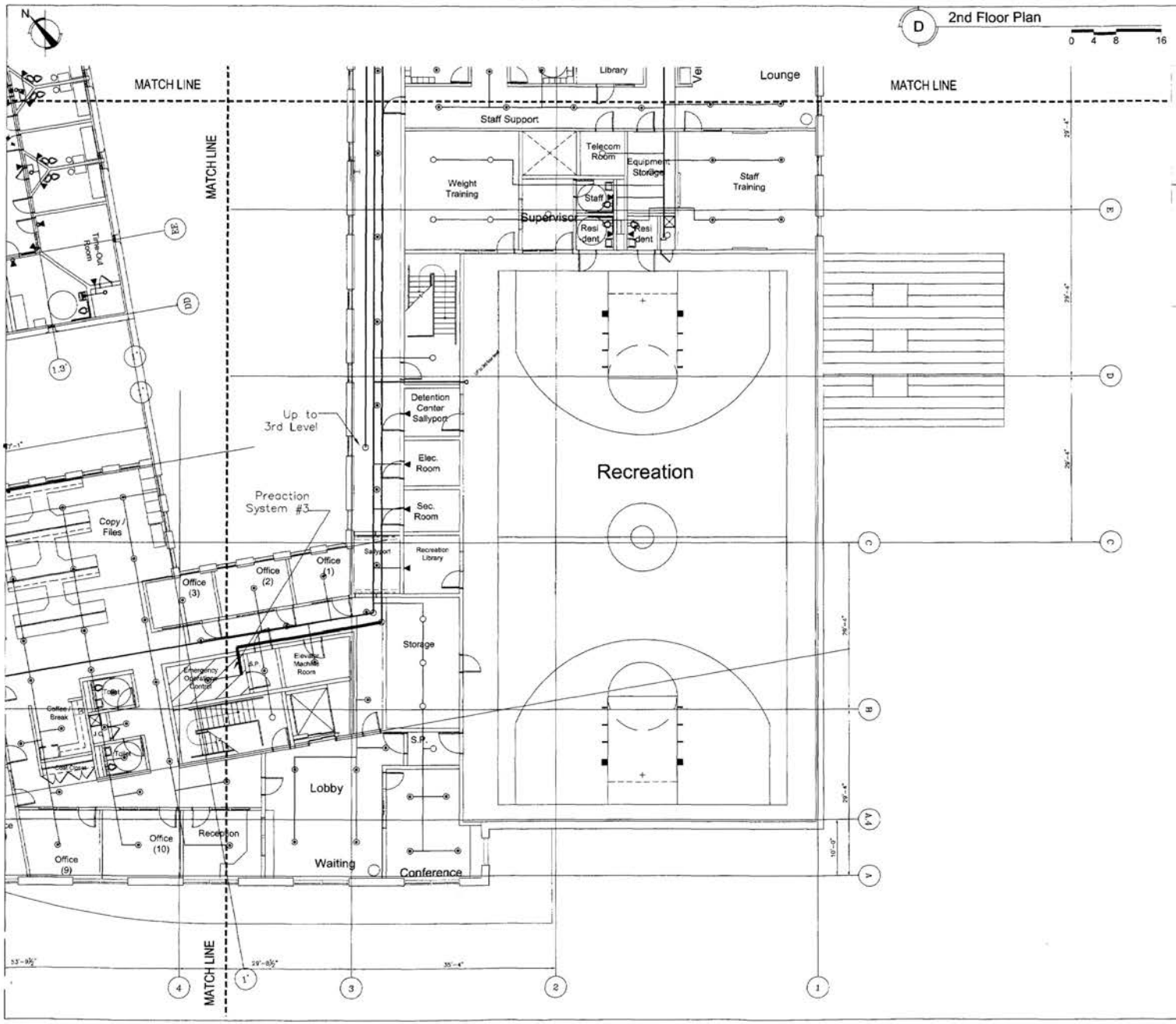
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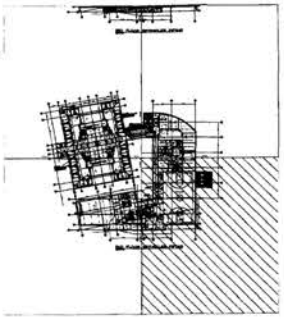
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Scale: 1/8" = 1'-0"

Dwg. No. FP.3C





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Fax: 202 462 1062

Coast Fire Protection

Proj. No.: 99-0329-001

Sheet Title: 2nd FLOOR FIRE PROTECTION

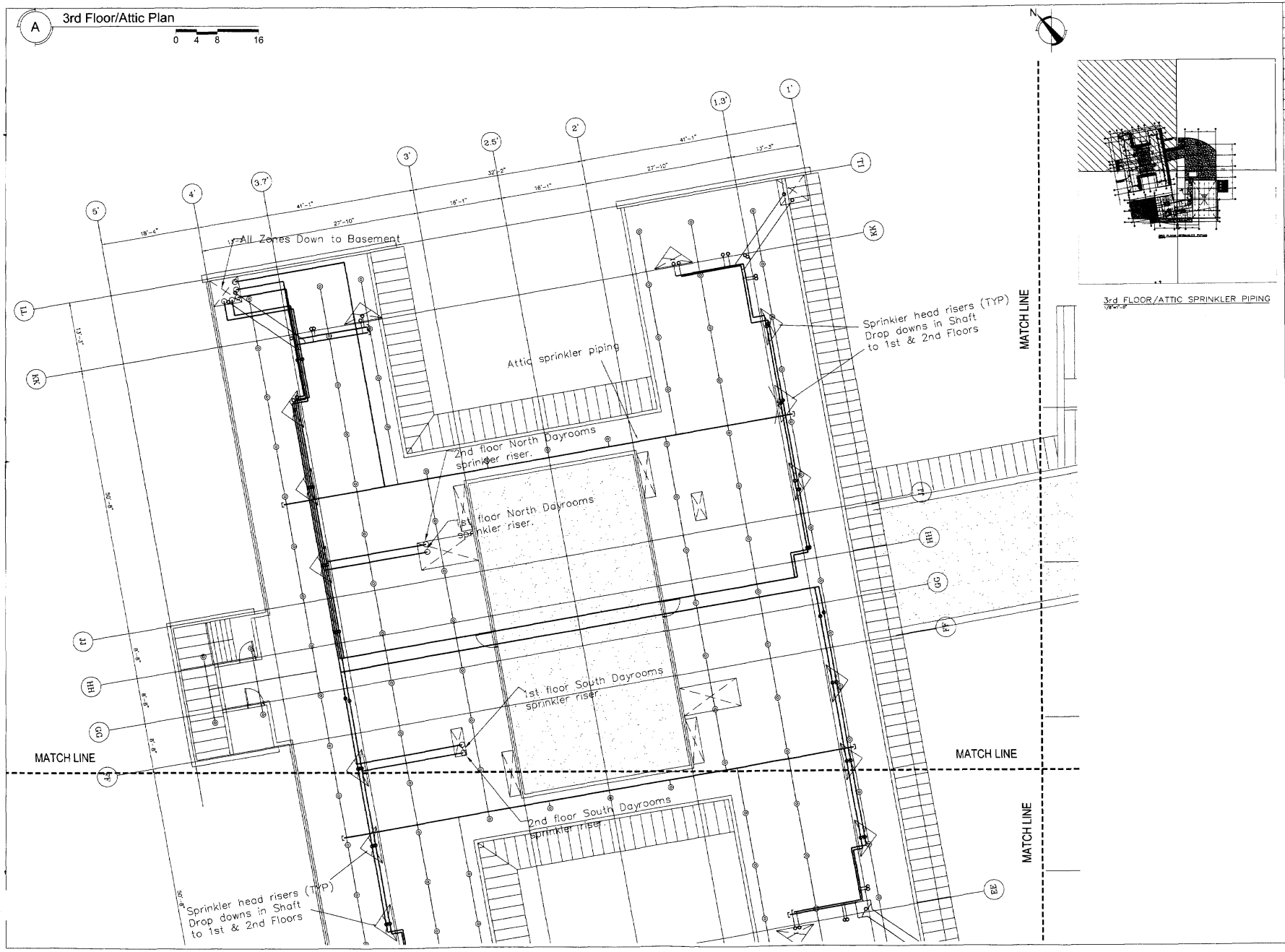
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Scale: 1/8" = 1'-0"

Dwg. No. FP.3D

A 3rd Floor/Attic Plan

0 4 8 16



3rd FLOOR/ATTIC SPRINKLER PIPING

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YOUTH SERVICES CENTER
District of Columbia

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ECFP.COM
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Chantilly, VA 20151
(703) 802-0397 – FAX (703) 802-3086

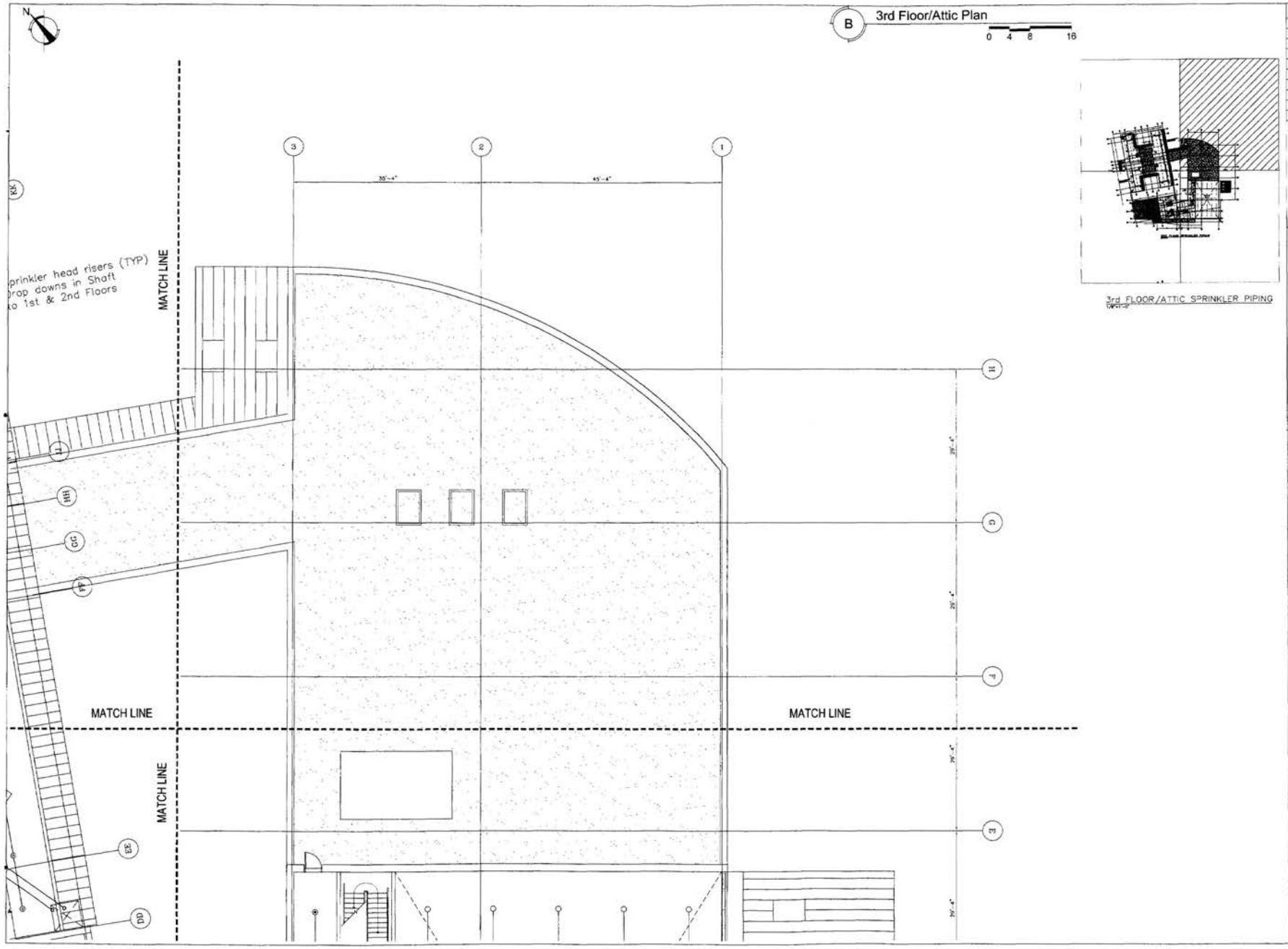
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Sheet Title: 3rd FLOOR/ATTIC FIRE PROTECTION

Drawn By: JLD

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

Dwg. No. FP.4A



No.	Description	Date	App.

YOUTH SERVICES CENTER
District of Columbia

FINAL CONTRACT SET

ISSUED: DEC. 14, 2001

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Chantilly, VA 20151
(703) 961-0387 • FAX (703) 961-3098

Proj. No.:
99-0329-001

Sheet Title:
3rd FLOOR/ATTIC
FIRE PROTECTION

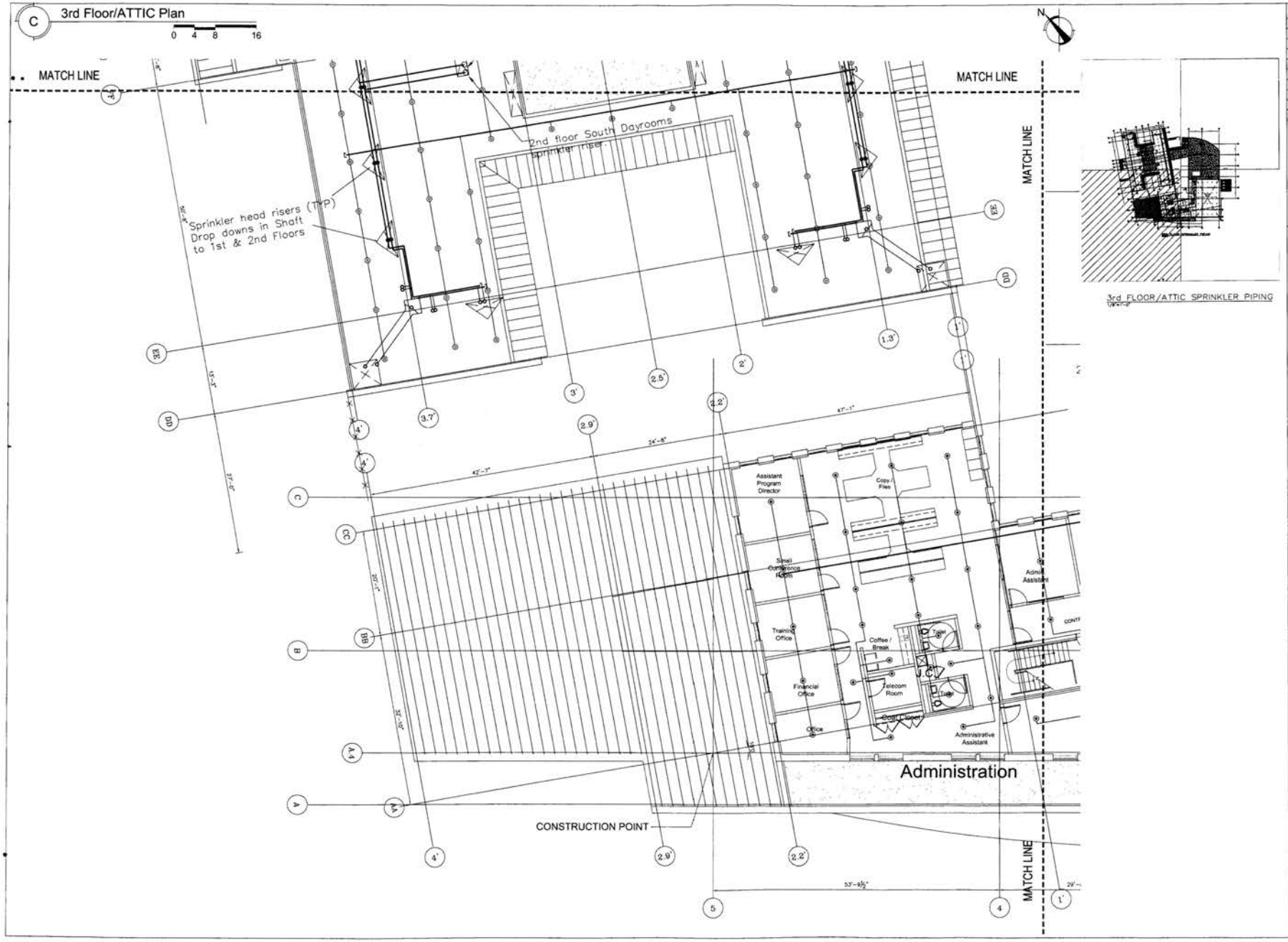
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Scale: 1/8" = 1'-0"

Dwg. No. FP.4B

C 3rd Floor/ATTIC Plan

0 4 8 16



3rd FLOOR/ATTIC SPRINKLER PIPING

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REAL ESTATE DEVELOPMENT SERVICES
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Chantilly, VA 20151
(703) 502-0367 - FAX (703) 502-3286

Proj. No.: 99-0329-001

Sheet Title: 3rd FLOOR/ATTIC FIRE PROTECTION

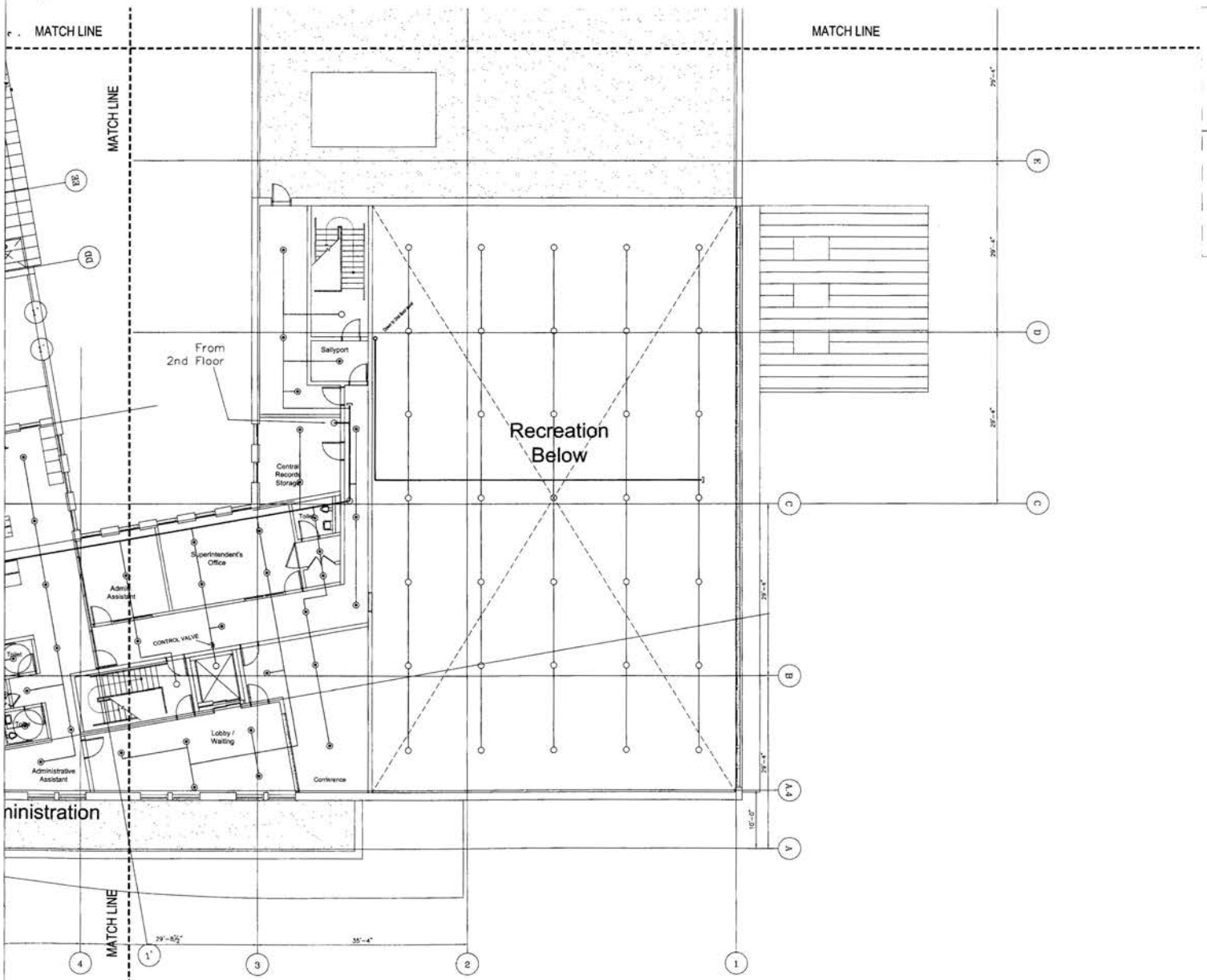
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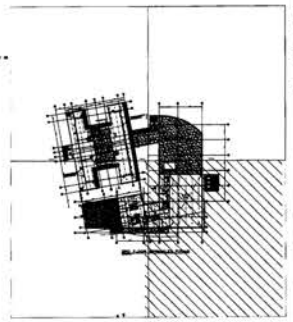
Scale: 1/8" = 1'-0"

Dwg. No. FP.4C

D 3rd Floor/ATTIC Plan

0 4 8 16





3rd FLOOR/ATTIC SPRINKLER PIPING

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Proj. No.: 99-0329-001

Sheet Title: 3rd FLOOR/ATTIC FIRE PROTECTION

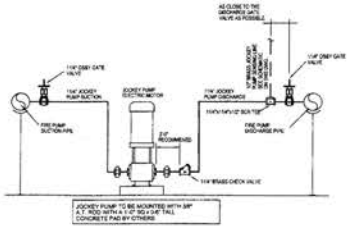
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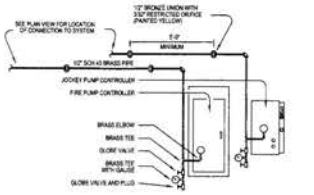
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A Fire Protection Details

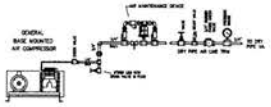
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JOCKEY PUMP SCHEMATIC
NO SCALE



SENSING LINE SCHEMATIC
NO SCALE



TYPICAL BASE MOUNTED AIR COMPRESSOR

EQUIPMENT LEGEND

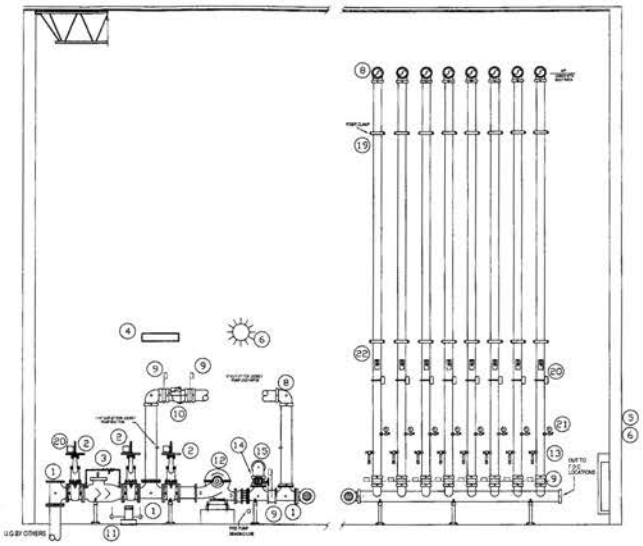
1. FLANGE TEE
2. OS&Y GATE VALVE
3. BACKFLOW PREVENTER
4. SPARE HEAD CABINETS W/ WRENCH & SPARE SPRINKLERS
5. FIRE PUMP CONTROLLER
6. JOCKEY PUMP CONTROLLER
7. 6" INSIDE ALARM BELL
8. GROOVE 90
9. GROOVED BUTTERFLY VALVE
10. GROOVED CHECK VALVE
11. JOCKEY PUMP
12. FIRE PUMP
13. 2" MAIN DRAIN VALVE PIPED TO OUTSIDE DISCHARGE.
14. CHECK VALVE
15. TEST HEADER
16. GROOVED CHECK VALVE
17. DRAIN 90 W/ \" BALL DRIP @ BOTTOM
18. 21/2 x 21/2 x 4 FIRE DEPARTMENT CONNECTION
19. RISER CLAMPS
20. FLOW SWITCH
21. LISTED PRESSURE GAUGE W/ 1/4" PRESSURE RELIEF VALVE

GENERAL FIRE PROTECTION NOTES

System is a Wet-Pipe system, and is designed per NFPA #13,
Except in areas noted as dry.
Standard for Installation of Sprinkler Systems, 1994 Edition.
Except for areas noted, the building/occupancy is Light Hazard.

INSTALLATION

All work and material shall conform to NFPA #13, 1994, Insurance company requirements, and all local and state rules-regulations.



PUMP ROOM SEC. B
N.T.S.

FIREPUMP NOTES

IN ADDITION TO THE FOLLOWING NOTES, ALL WORK AND MATERIAL SHALL CONFORM TO N.F.P.A. #13 (1994) AND #20 (1994), AS APPLICABLE.

N.F.P.A. #20 REQUIREMENTS

EQUIPMENT PROTECTION

PER 2-7.2, SUITABLE MEANS SHALL BE PROVIDED FOR MAINTAINING THE TEMPERATURE OF A PUMP ROOM OR PUMP HOUSE, WHERE REQUIRED, ABOVE 40° WORK PERFORMED BY OTHERS.

PER 2-7.3, ARTIFICIAL LIGHT SHALL BE PROVIDED IN THE PUMP ROOM OR PUMP HOUSE. WORK PERFORMED BY OTHERS.

PER 2-7.6, FLOORS SHALL BE PITCHED FOR ADEQUATE DRAINAGE OF ESCAPING WATER AWAY FROM CRITICAL EQUIPMENT SUCH AS THE PUMP, DRIVER, CONTROLLER, ETC. THE PUMP ROOM OR THE PUMP HOUSE SHALL BE PROVIDED WITH A FLOOR DRAIN THAT WILL DISCHARGE TO A FROST-FREE LOCATION. WORK PERFORMED BY OTHERS.

PIPE AND FITTINGS

PER 2-8.3, ALL PROVISIONS FOR WELDED PIPE SHALL BE IN ACCORDANCE WITH NFPA #13 (1994), STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS.

SUCTION PIPE AND FITTINGS

PER 2-9.2, THE UNDERGROUND PIPE SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH N.F.P.A. #24.

DISCHARGE PIPE AND FITTINGS

PER 2-10.2, ALL PUMP DISCHARGE PIPE SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH NFPA #13 AND NFPA #24.

PER 2-10.3, THE SIZE OF THE PUMP DISCHARGE PIPE AND FITTINGS SHALL BE NOT LESS THAN THAT GIVEN IN NFPA #20, TABLE 2-20.

ELECTRIC DRIVE FOR PUMPS

ALL ELECTRICAL WORK TO SUPPLY POWER TO THE FIRE PUMP SHALL BE IN ACCORDANCE WITH CHAPTER 6 OF N.F.P.A. #20 (1994). ELECTRICAL WORK SHALL COMPLY WITH N.F.P.A. 70, ARTICLE 695, AND OTHER APPLICABLE ARTICLES. WORK PERFORMED BY OTHERS.

PER 6-3.1.1, THE FIRE PUMP FEEDER CIRCUIT CONDUCTORS AND THEIR ACCESSORIES SHALL BE DEDICATED AND PROTECTED TO RESIST POSSIBLE DAMAGE BY FIRE, STRUCTURAL FAILURE, OR OPERATIONAL ACCIDENT. WORK PERFORMED BY OTHERS.

Wet system piping shall be installed level to drain back to the system riser, in accordance with NFPA #13, 4-14.3.2. Trapped sections of piping shall have auxiliary drain connections in accordance with 4-14.3.5.

Pendent sprinklers in ceilings shall be installed on straight drops with no swings (not centered in tiles).

Unless noted otherwise, pipe lengths shown are center-center.

Electric alarm devices and supervisory devices for the monitoring of the sprinkler system shall be installed by East Coast Fire Protection. All wiring of the devices is the responsibility of others.

PIPE

2½" Line piping shall be black steel Sch 10 pipe, manufactured to ASTM-A795 standards.

Branchline piping shall be black steel Schedule 10-40 pipe, manufactured to ASTM-A135 standards.

Riser nipples and starter pieces shall be black steel schedule 40 pipe, manufactured to ASTM-A795 standards.

Mains shall be black steel Schedule 10 pipe, manufactured to ASTM-A795 standards.

FITTINGS

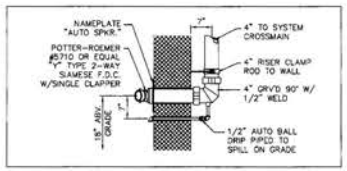
Line screwed fittings shall be 125# Black Cast Iron and listed for fire protection to 175 PSI.

Outlets on mains for lines shall be welded branch outlet fittings. Merit Weld Miser Tee-Let, UL/FM approved to 300 PSI for fire protection.

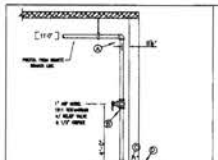
Grooved couplings shall be rigid couplings, UL/FM approved to 300 PSI for fire protection service. Gaskets shall be "Grade E (Type A)" EPDM rubber compound, rated at -30°F to +230°F.

Grooved fittings shall be, UL/FM approved to 300 PSI for fire protection service.

Flanged fittings, where used, shall be Cast Iron, Class 125 (standard), manufactured per ANSI B16.1 and marked 125. Flanges are faced and drilled American National Standard. UL listed for fire protection to 175 PSI.



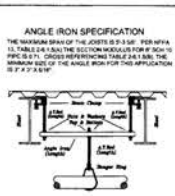
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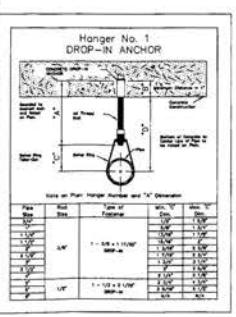
INSPECTOR'S TEST CONN.
NOT TO SCALE

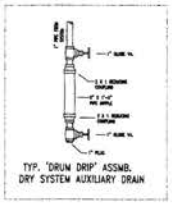


T.B. CLAMP HANGER
NOT TO SCALE



TRAPEZE HANGER
NOT TO SCALE





TYP. "DRUM DRIP" ASSMB.
DRY SYSTEM AUXILIARY DRAIN

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Proj. No.:
99-0329-001

Sheet Title:
FIRE PROTECTION SPRINKLER DETAILS

Drawn By: JLD

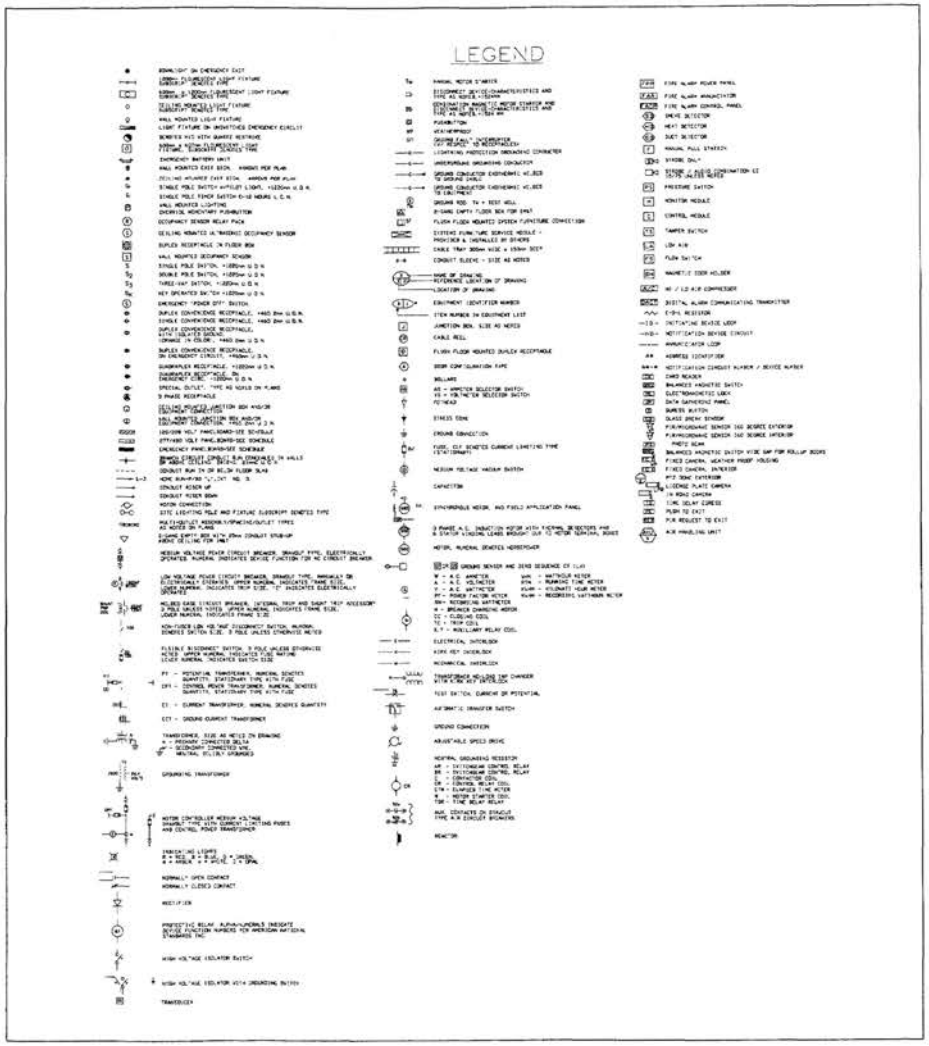
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Dwg. No. FP.5A

Drawing List

E0 0.1	Index, Symbols & Abbreviations
E0 0.2	Site Lighting
E0 0.3	Riser Diagram
E0 0.4	Schedules
EP 0.1	Basement Level Power (Kitchen and Laundry Area)
EP 0.2	Basement Level Power (Utility Area)
EP 1.1	First Level Area A Power
EP 1.2	First Level Area B Power
EP 2.1	Second Level Area A Power
EP 2.2	Second Level Area B Power
EP 3.1	Third Level Area A Power
EP 3.2	Third Level Area B Power
EP 4.1	First Level Housing Area Power
EP 4.2	Second Level Housing Area Power
EP 4.3	Roof Level Housing Area Power
EL 0.1	Basement Level Lighting (Kitchen and Laundry Area)
EL 0.2	Basement Level Lighting (Utility Area)
EL 1.1	First Level Area A Lighting
EL 1.2	First Level Area B Lighting
EL 2.1	Second Level Area A Lighting
EL 2.2	Second Level Area B Lighting
EL 3.1	Third Level Area A Lighting
EL 3.2	Third Level Area B Lighting
EL 4.1	First Level Housing Area Lighting
EL 4.2	Second Level Housing Area Lighting
EL 4.3	Roof Level Housing Area Lighting
EFA 0.1	Basement Level Fire Alarm (Kitchen and Laundry Area)
EFA 0.2	Basement Level Fire Alarm (Utility Area)
EFA 1.1	First Level Area A Fire Alarm
EFA 1.2	First Level Area B Fire Alarm
EFA 2.1	Second Level Area A Fire Alarm
EFA 2.2	Second Level Area B Fire Alarm
EFA 3.1	Third Level Area A Fire Alarm
EFA 3.2	Third Level Area B Fire Alarm
EFA 4.1	First Level Housing Area Fire Alarm
EFA 4.2	Second Level Housing Area Fire Alarm
EFA 4.3	Roof Level Housing Area Fire Alarm
ET R.1	Telecommunications Riser
ET 0.1	Basement Level Telecommunications (Kitchen and Laundry Area)
ET 0.2	Basement Level Telecommunications (Utility Area)
ET 1.1	First Level Area A Telecommunications
ET 1.2	First Level Area B Telecommunications
ET 2.1	Second Level Area A Telecommunications
ET 2.2	Second Level Area B Telecommunications
ET 3.1	Third Level Area A Telecommunications
ET 3.2	Third Level Area B Telecommunications
ET 4.1	First Level Housing Area Telecommunications
ET 4.2	Second Level Housing Area Telecommunications
ET 4.3	Roof Level Housing Area Telecommunications
ET L.1	Basement And First Level Telecom Room Layouts
ET L.2	Second And Third Level Telecom Room Layouts
ES 00.1	Title page
ES 00.2	Site Plan Security Layout
ES 00.3	Basement Level Security Plan Layout
ES 00.4	Level One Security Plan Layout
ES 00.5	Level Two Security Plan Layout
ES 00.6	Level Three Security Plan Layout
ES 00.7	Main Equipment Room
ES 00.8	Emergency Command Center
ES 00.9	Central Control Console

LEGEND



No.	Description	Date	App.

YOUTH SERVICES CENTER
District of Columbia

FINAL CONTRACT SET

ISSUED: DEC. 14, 2001

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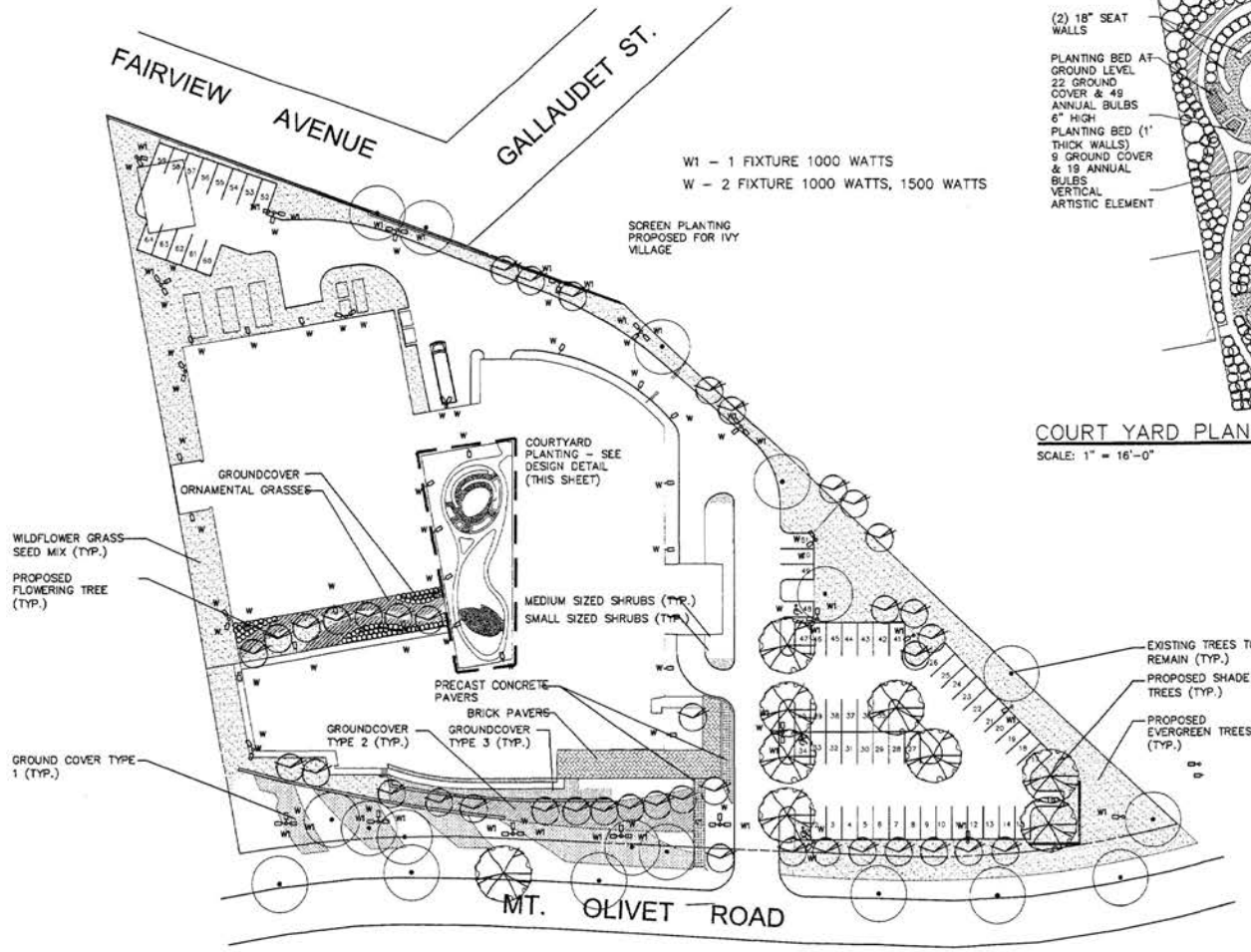
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99-0329-001

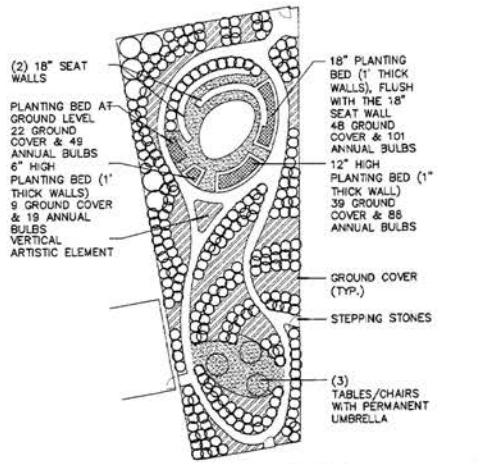
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INDEX, SYMBOLS
& ABBREVIATIONS

Drawn By: HOK

Scale: N.T.S.

Dwg. No. E0 0.1





COURT YARD PLANTING DESIGN

SCALE: 1" = 16'-0"

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Proj. No.: 99-0329-001

Sheet Title: Site Lighting

Drawn By: HOK

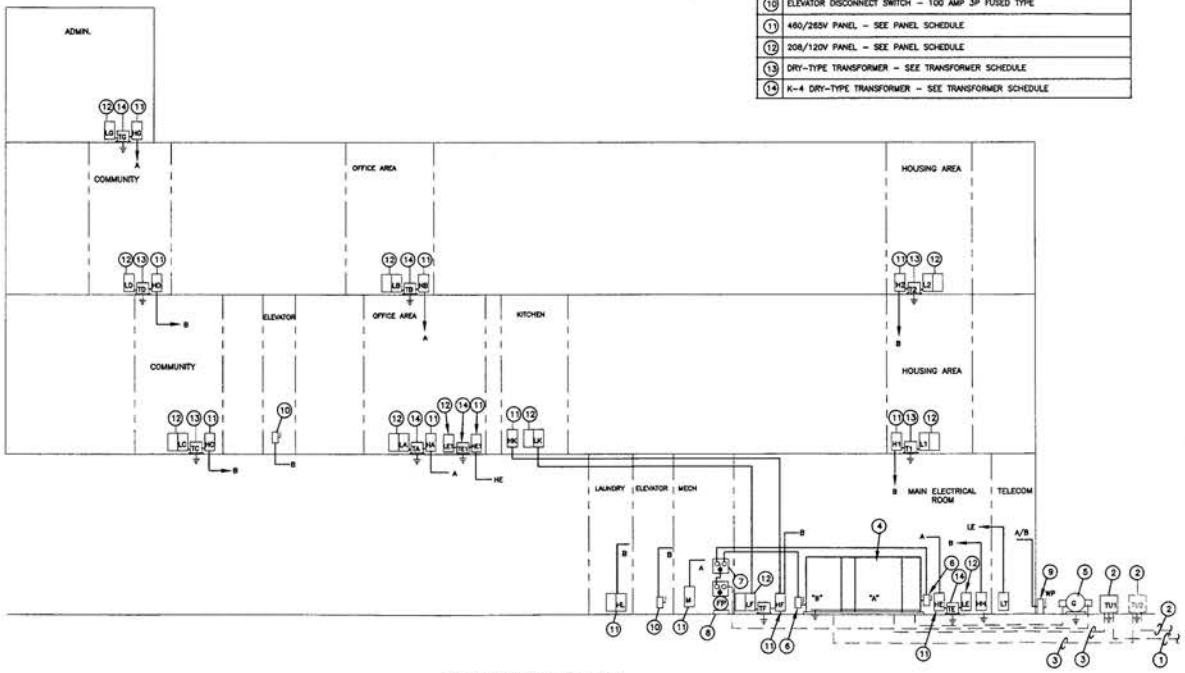
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Dwg. No. EO 0.2

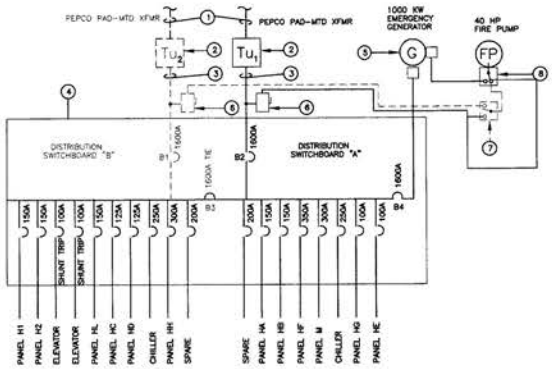
PANEL SCHEDULE			
PANEL	VOLTAGE	AMP	SERVING
HA	460/265V 3Ø4W	225A MLO	OFFICE AREA
HB	460/265V 3Ø4W	225A MLO	OFFICE AREA
HC	460/265V 3Ø4W	125A MLO	COMMUNITY CTR.
HD	460/265V 3Ø4W	125A MLO	CUMMUNITY CTR.
HE	460/265V 3Ø4W	125A MLO	EM. LIGHTING
HE1	460/265V 3Ø4W	125A MLO	EM. LIGHTING
HF	460/265V 3Ø4W	400A MLO	BASEMENT/KITCHEN
HG	460/265V 3Ø4W	125A MLO	ADMIN.
HL	460/265V 3Ø4W	225A MLO	LAUNDRY
HK	460/265V 3Ø4W	225A SHUNT TRIP	KITCHEN
M	460/265V 3Ø4W	400 AMP MLO	HVAC EQUIP
H1	460/265V 3Ø4W	225 AMP MLO	HOUSING
H2	460/265V 3Ø4W	225 AMP MLO	HOUSING
HH	460/265V 3Ø4W	400 AMP CONTACTOR	EXTERIOR LIGHTING
LA	208/120V 3Ø4W	225AMP MCB	OFFICE AREA
LB	208/120V 3Ø4W	225AMP/150AMCB	OFFICE AREA
LC	208/120V 3Ø4W	225AMP/150AMCB	COMMUNITY CTR.
LD	208/120V 3Ø4W	225AMP/150AMCB	CUMMUNITY CTR.
LE	208/120V 3Ø4W	100AMP MCB	EM. POWER
LE1	208/120V 3Ø4W	100AMP/50AMCB	EM. POWER
LF	208/120V 3Ø4W	400AMP MCB	BASEMENT/KITCHEN
LG	208/120V 3Ø4W	100AMP MCB	ADMIN.
LK	208/120V 3Ø4W	225AMP SHUNT TRIP	KITCHEN
L1	208/120V 3Ø4W	225AMP MCB	HOUSING
L2	208/120V 3Ø4W	225AMP MCB	HOUSING
LT	208/120V 3Ø4W	100AMP MLO	LIGHTING

DRY-TYPE TRANSFORMER SCHEDULE		
XFMR	KVA RATING	TYPE
TA	75KVA	K-4
TB	45	K-4
TC	45	GENERAL PURPOSE
TD	45	GENERAL PURPOSE
TE	30	K-4
TF	112.5	GENERAL PURPOSE
TK	30	K-4
T1	75	GENERAL PURPOSE
T2	75	GENERAL PURPOSE
TE1	15	K-4

POWER RISER SCHEDULE	
ITEM #	DESCRIPTION
1	PRIMARY DUCTBANK – 2–WAY 4" PVC SCHEDULE 40 CONCRETE ENCASED 30" BELOW FINAL GRADE TO EXISTING PEPCO POLE. MEDIUM VOLTAGE CABLING BY PEPCO
2	PAD–MOUNTED TRANSFORMER – 460/265 VOLT 3Ø4W SECONDARY, KVA RATING PER PEPCO DESIGN. PROVIDE CONCRETE PAD, TIE–IN, EARTHING, CONDUIT STUB–OUT'S AND OTHER STANDARD PEPCO REQUIRMENTS FOR PAD–MOUNTED TRANSFORMER.
3	SECONDARY DUCTBANK – 8–WAY 4" PVC SCHEDULE 40 CONCRETE ENCASED 30" BELOW FINAL GRADE. PROVIDE 4 SETS (4/500 KCMIL EACH SET) IN 4–4" AND LEAVE THE OTHER 4–4" AS SPARE
4	DOUBLE–ENDED SECONDARY SWITCHBOARD – SEE SWITCHBOARD ARRANGEMENT FOR DETAILS.
5	EMERGENCY GENERATOR – 1000KW DIESEL FUELED 460/265 VOLT 3Ø4W WITH FUEL TANK FOR 72–HOUR FULL LOAD OPERATION CAPACITY, WEATHER–HOUSING, 2 LOAD BREAKERS, BATTERY, BATTERY CHARGER, FUEL PUMP, INSTR. PANEL, REMOTE PANEL, AND HEATER. GENERATOR SHALL BE INSTALLED ON A CONCRETE PAD.
6	FIRE PUMP MAIN SWITCH – 400 AMP 600V H.D. FUSED TYPE WITH UL LISTING FOR SERVICE EQUIPMENT
7	AUTOMATIC TRANSFER SWITCH – 400 AMP 3P 4W
8	FIRE PUMP WITH CONTROLLER – 40 HP (FURNISHED BY EAST COAST)
9	CHILLER DISCONNECT SWITCH – 400 AMP 3P FUSED TYPE (TWO REQUIRED)
10	ELEVATOR DISCONNECT SWITCH – 100 AMP 3P FUSED TYPE
11	460/265V PANEL – SEE PANEL SCHEDULE
12	208/120V PANEL – SEE PANEL SCHEDULE
13	DRY–TYPE TRANSFORMER – SEE TRANSFORMER SCHEDULE
14	K–4 DRY–TYPE TRANSFORMER – SEE TRANSFORMER SCHEDULE



POWER RISER DIAGRAM
NOT TO SCALE



SWITCHBOARD ARRANGEMENT
NOT TO SCALE

RISER DIAGRAM
E
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Proj. No.: 99-0329-001

Sheet Title: RISER DIAGRAM

Drawn By: HOK

Scale: N.T.S.

Dwg. No. E0 0.3

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FIXTURE SCHEDULES

TYPE	DESCRIPTION	LAMPS	VOLTS	WATTS	MANUFACTURER	CATALOGUE NUMBER	BALLAST
B1	Pendant	1xF32T8	277	64	Lithonia	LPMSS G B 2 32 16 LD 277 GEB	Electronic ballast, <20% THD
B3	Pendant	3xF32T8	277	96	Lithonia	LPMS G B 3 32 16 LD 277 GEB	Electronic ballast, <20% THD
B2	Pendant 2'x2'	1xF32 T8	277	64	Lithonia	LPMS F B 3 0706 16 LD 277 GEB	Electronic ballast, <20% THD
S2	Fluorescent	2xF17T8	120	34	Kenall	WCBU 1 1 1 17 EB 1 120 C 1	Electronic ballast, <20% THD
S1	Fluorescent	3xF32 T8	120	96	Kenall	WCBU 4 1 2 32 EB 1 120 C 1	Electronic ballast, <20% THD
A4	Fluorescent	3xF32 T8	277	96	Lithonia	2M 3 32 A19 277 GEB	Electronic ballast, <20% THD
A5	Fluorescent	2xF32 T8	277	64	Lithonia	2M 2 32 A19 277 GEB	Electronic ballast, <20% THD
A2	Fluorescent	2xF32 T8	277	64	Lithonia	2SP G 2 32 A19 277 GEB	Electronic ballast, <20% THD
A3	Fluorescent	3xF32 T8	277	96	Lithonia	2SP G 3 32 A19 277 GEB	Electronic ballast, <20% THD
A10	Fluorescent	2xF32 T8	277	64	Lithonia	2SP F 2 32 A19 277 GEB	Electronic ballast, <20% THD
A11	Fluorescent	3xF32 T8	277	96	Lithonia	2SP F 3 32 A19 277 GEB	Electronic ballast, <20% THD
A9	Fluorescent 2'x2'	2xF32 T8	277	64	Lithonia	2SP G 2 U26 A19 277 GEB	Electronic ballast, <20% THD
A12	Fluorescent 2'x2'	2xF32 T8	277	64	Lithonia	2SP F 2 U26 A19 277 GEB	Electronic ballast, <20% THD
A1	Fluorescent	3xF32 T8	277	96	Lithonia	2SQH G 3 32 A12125V 277 GEB	Electronic ballast, <20% THD
A13	Fluorescent	2xF32 T8	277	96	Lithonia	2SQH F 3 32 A12125V 277 GEB	Electronic ballast, <20% THD
D1	Fluorescent	2xF32 T8	277	64	Lithonia	C 2 32 277 GEB	Electronic ballast, <20% THD
C	Fluorescent	1xF32 T8	277	64	Lithonia	EF 1 32 277 GEB	Electronic ballast, <20% THD
A6	Fluorescent	2xF40T8	277	80	Lithonia	W 240 2 40 277 GEB	Electronic ballast, <20% THD
A8	Fluorescent	2xF40T8	277	80	Lithonia	W 240 2 40 277 GEB	Electronic ballast, <20% THD
A7	Fluorescent	2xF20T8	277	80	Lithonia	W 240 DO 2 20 277 GEB	Electronic ballast, <20% THD
F1	Fluorescent	3xF32 T8	277	96	Lithonia	LF 2 D F28 4 U	Electronic ballast, <20% THD
F2	Fluorescent	2xF32T8	277	64	Lithonia	LF 1 D F28 4 U	Electronic ballast, <20% THD
SB1	4' Fluorescent	FL-T 2@W/35/4P	277	32	Lithonia	LBSF 32 DUT 277	
SB2	Fluorescent	FL T 2@W/35/4P	277	32	Lithonia	AF 2 28DTT SAR 277	
SB3	Fluorescent	FL T 2@W/35/4P	277	32	Lithonia	AFW 2 28DTT SAR 277	
SB4	Wet Locat. gl&w/2@W opt. ballast		277	60	Stonco	VCX1LEA	
CC1	High Pressure Sodium	C400S51	277	400	Lithonia	TRD 4000 A1/GL TB	
AA1	High Pressure Sodium	C1000S52	277	100	Lithonia	TWH 1000 277 QRS VO RHP DBL	
A2	High Pressure Sodium	C250S50	277	250	Lithonia	TWH 2500 277 QRS VO RHP DBL	
AA3	High Pressure Sodium	C150S52	277	150	Lithonia	TWH 1500 277 QRS VO RHP DBL	
X1	Track Lighting 1 --24 feet 1 --40 feet						
X1	Twinnie	LED	277		Kenall	XMLB/E 1 WR 277	
X2	Twinnie	LED	277		Kenall	XMLB/E 2 WR 277	
X3	Twinnie	LED	277		Kenall	XMLB/C 1 WR 277	
X4	Twinnie	LED	277		Kenall	XMLB/C 2 WR 277	

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YOUTH SERVICES CENTER
District of Columbia

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HELLMUTH, OBATA + KASSABAUM, PC
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CONSTRUCTION DIVISION

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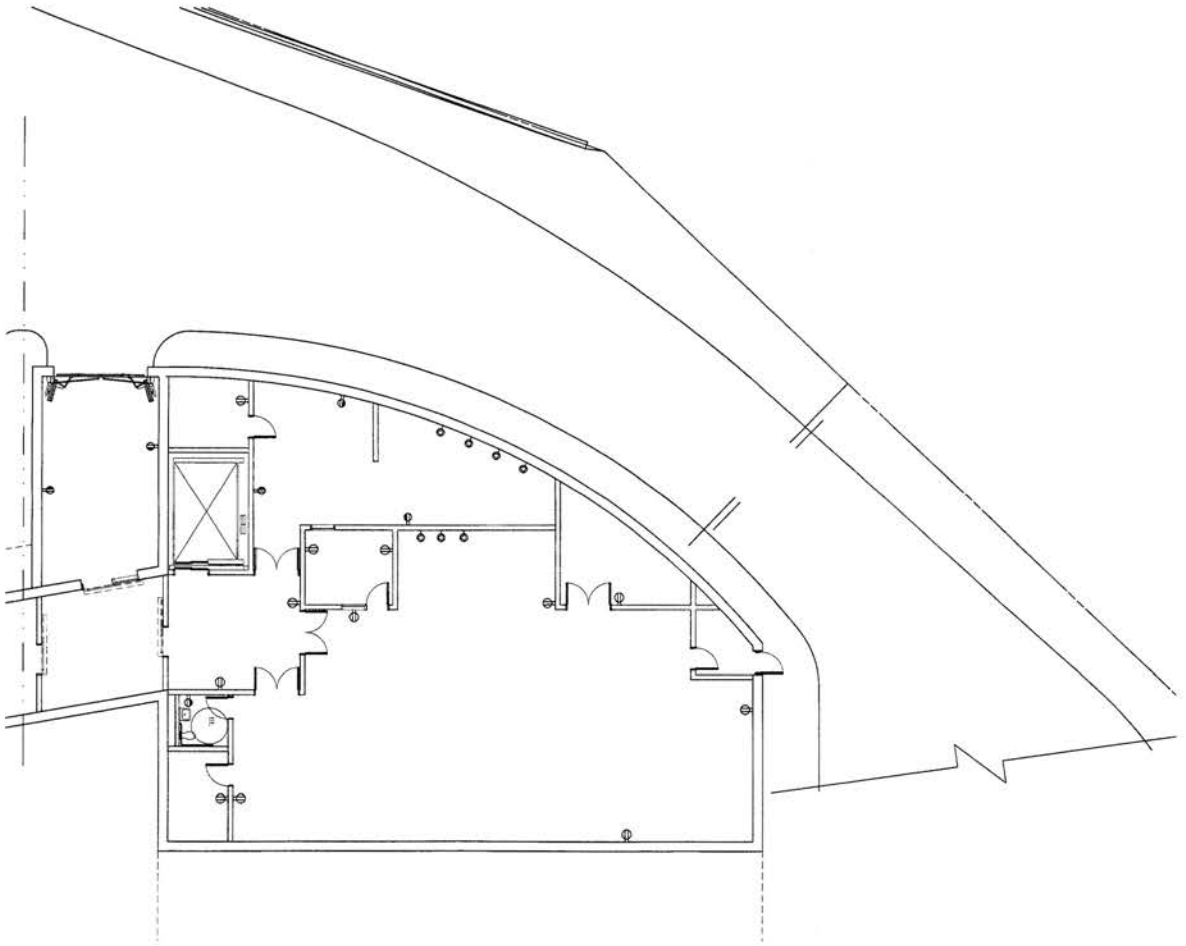
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Drawn By: HOK

Scale: N.T.S.

Dwg. No. E0 0.4

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E Basement Level Floor Plan
Kitchen and Laundry Area

0 4 8 16

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Building Intelligence
Construction Division

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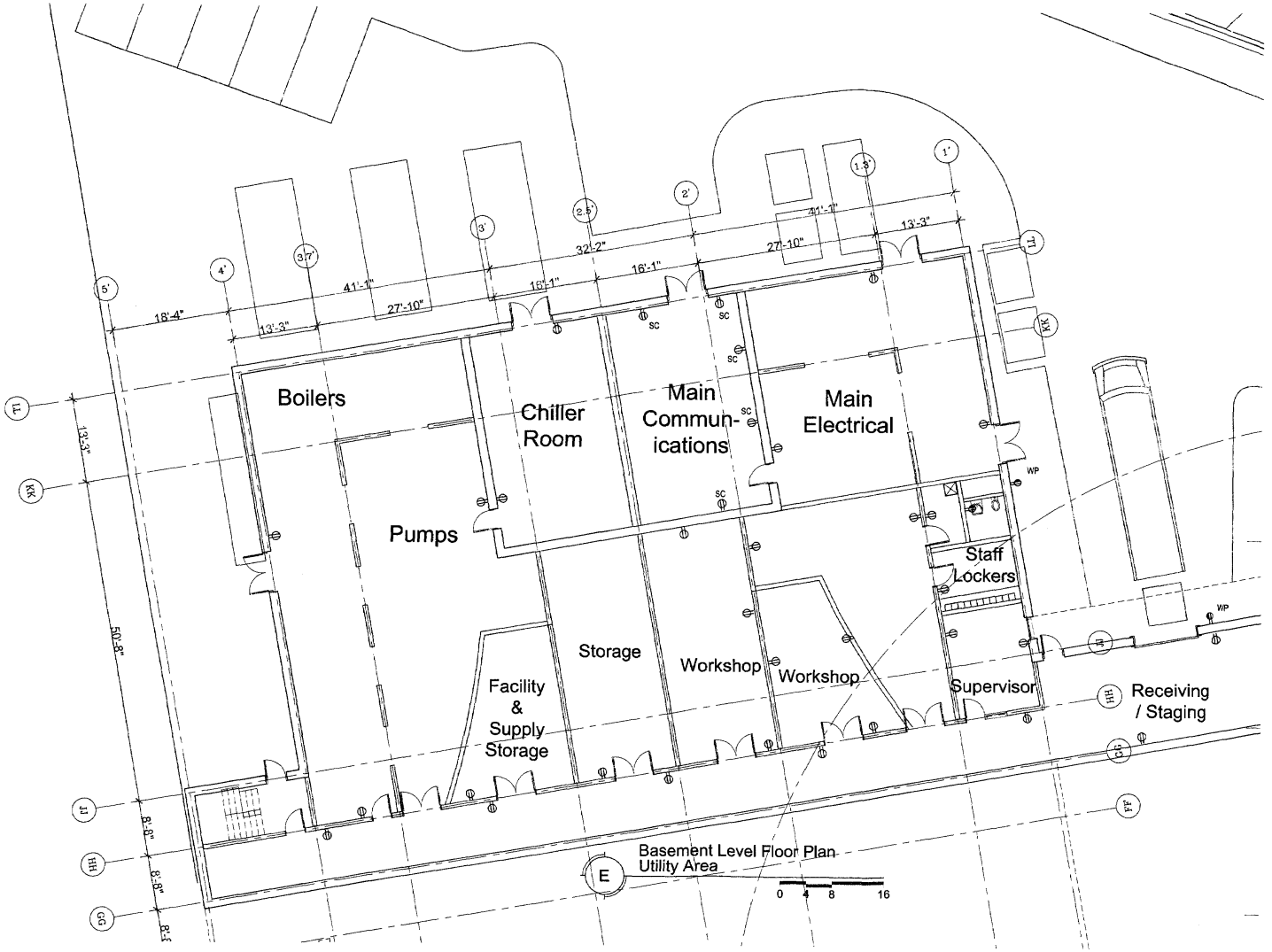
Sheet Title: BASEMENT LEVEL
Kitchen and Laundry Area
POWER

Drawn By: HOK

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

Dwg. No. EP 0.1

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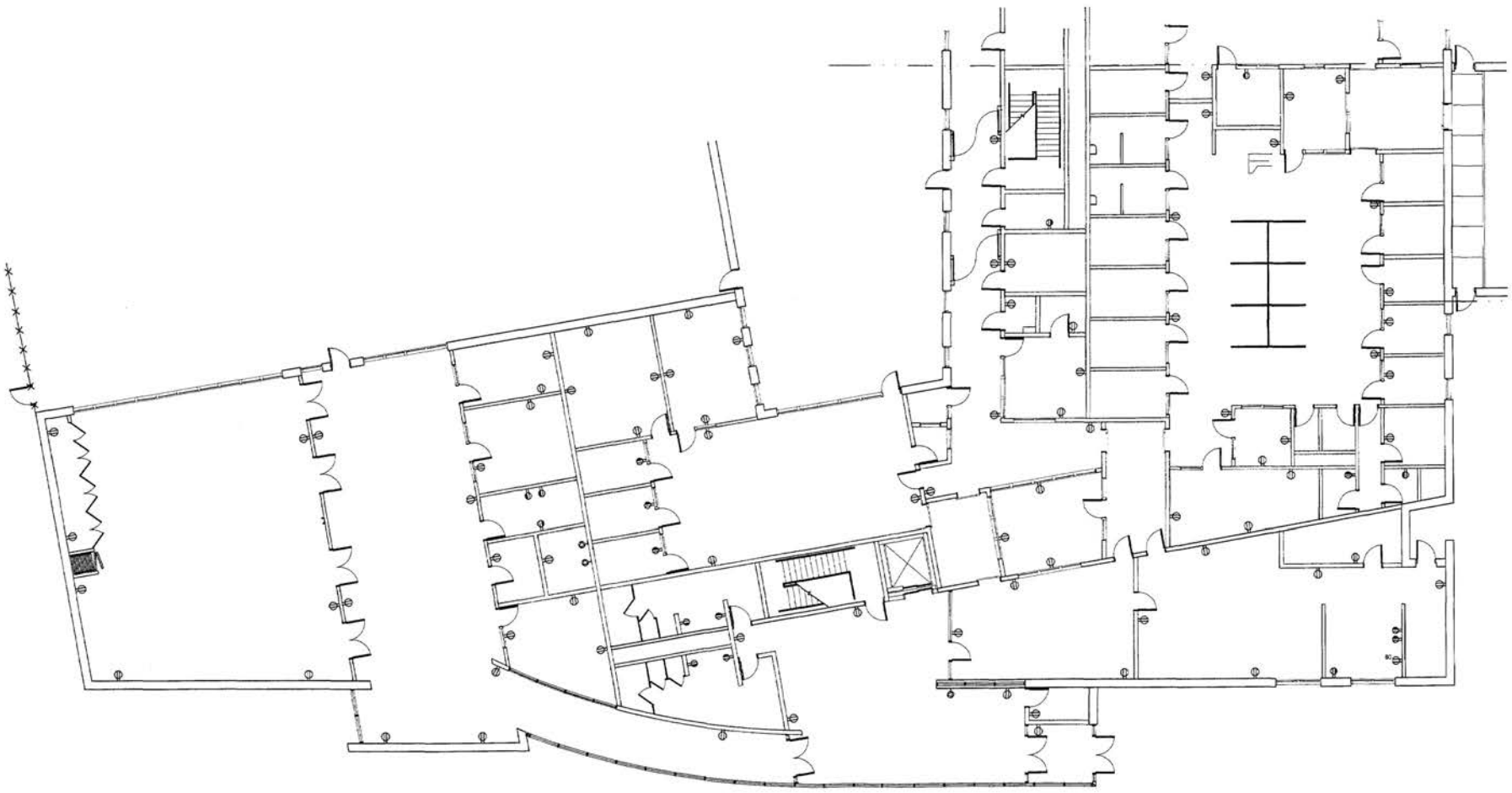
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Drawn By: HOK

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

Dwg. No. EP 0.2

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E First Level AREA A

0 4 8 16

N

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CONSTRUCTION DIVISION

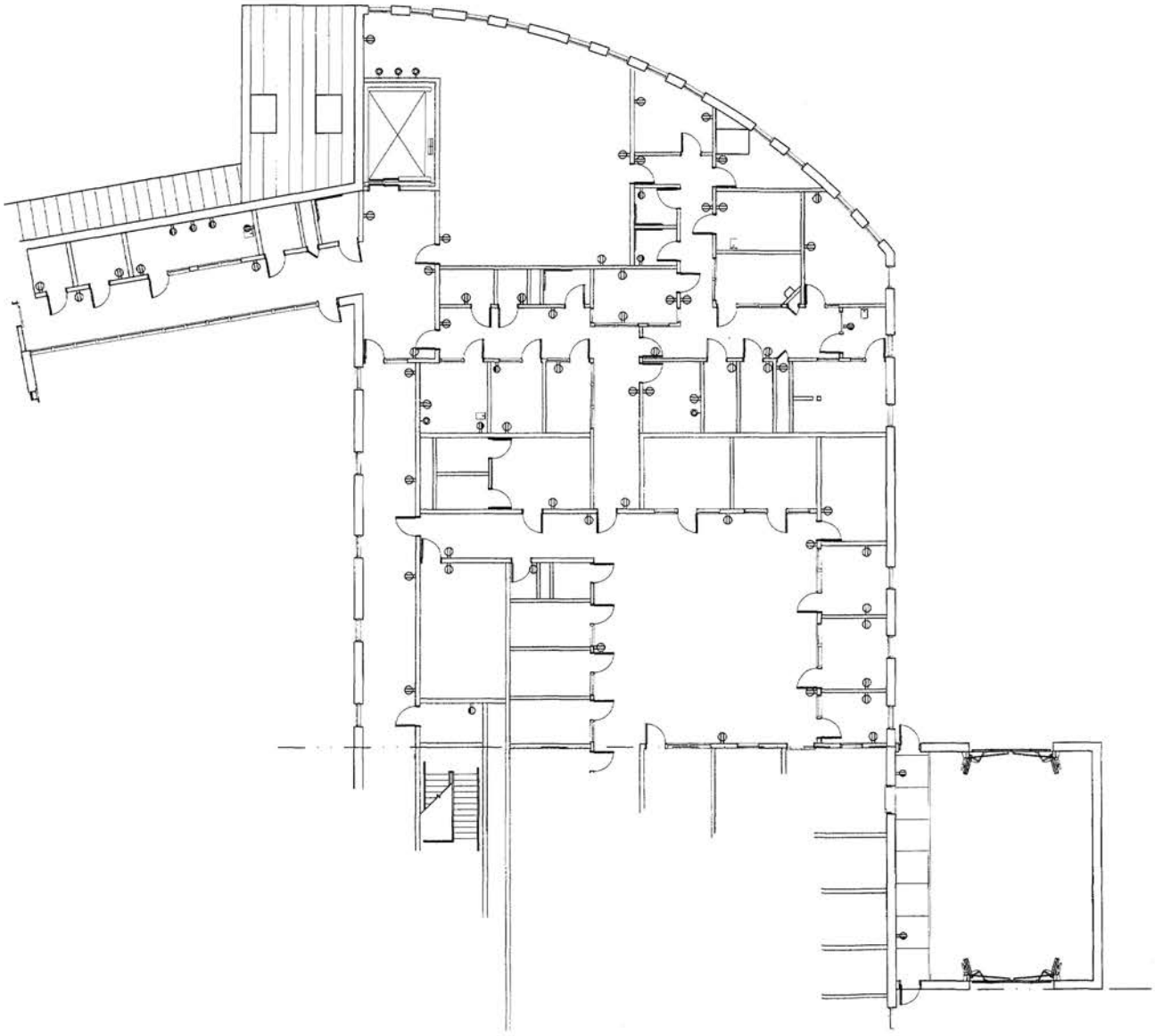
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Sheet Title: FIRST LEVEL AREA A POWER

Drawn By: HOK

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

Dwg. No. EP 1.1



E First Level AREA B

0 4 8 16

N

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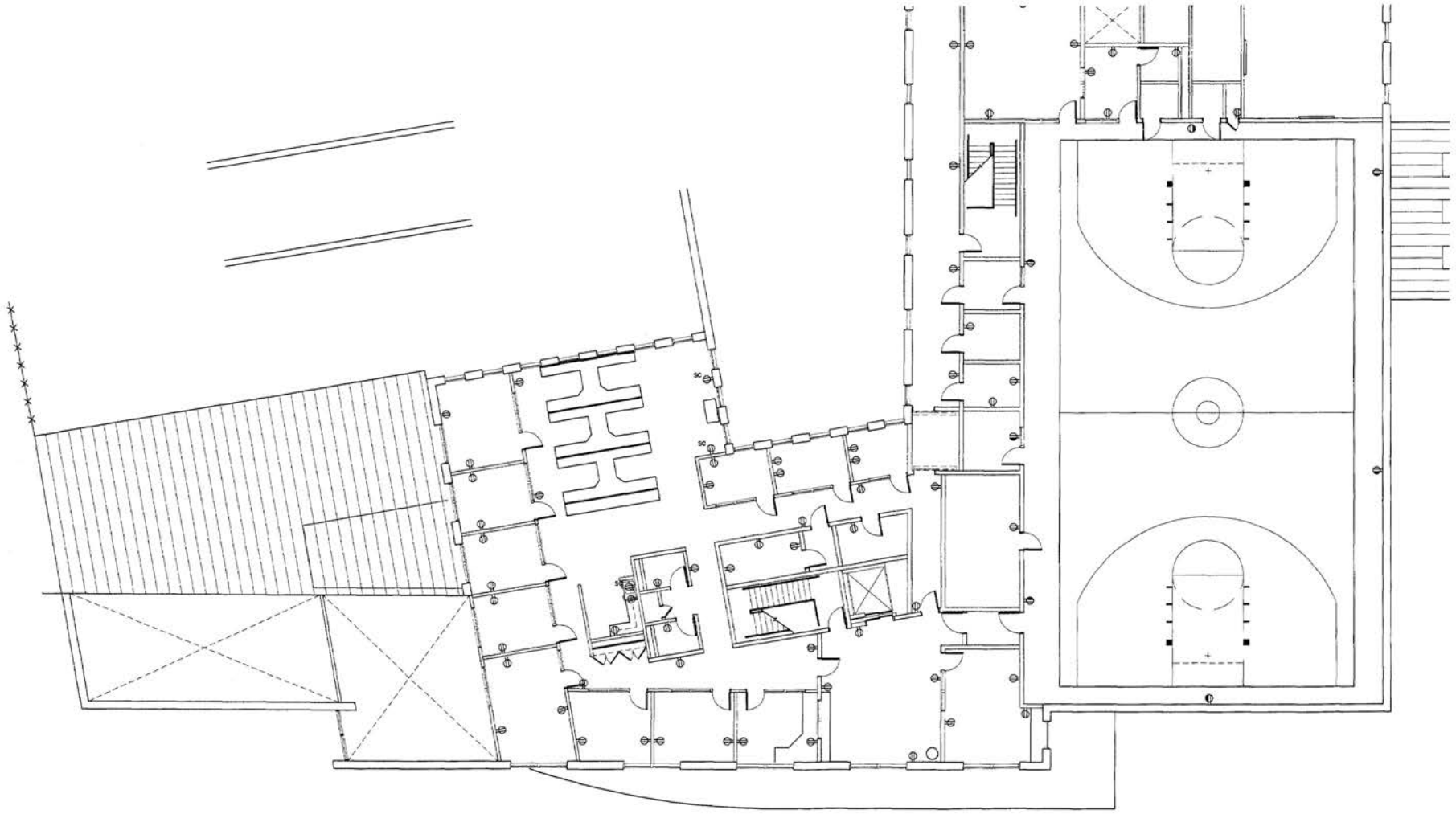
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Sheet Title: FIRST LEVEL AREA B POWER

Drawn By: HOK

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

Dwg. No. EP 1.2



E Second Level AREA A

0 4 8 16

N

YOUTH SERVICES CENTER
District of Columbia

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CONSTRUCTION DIVISION

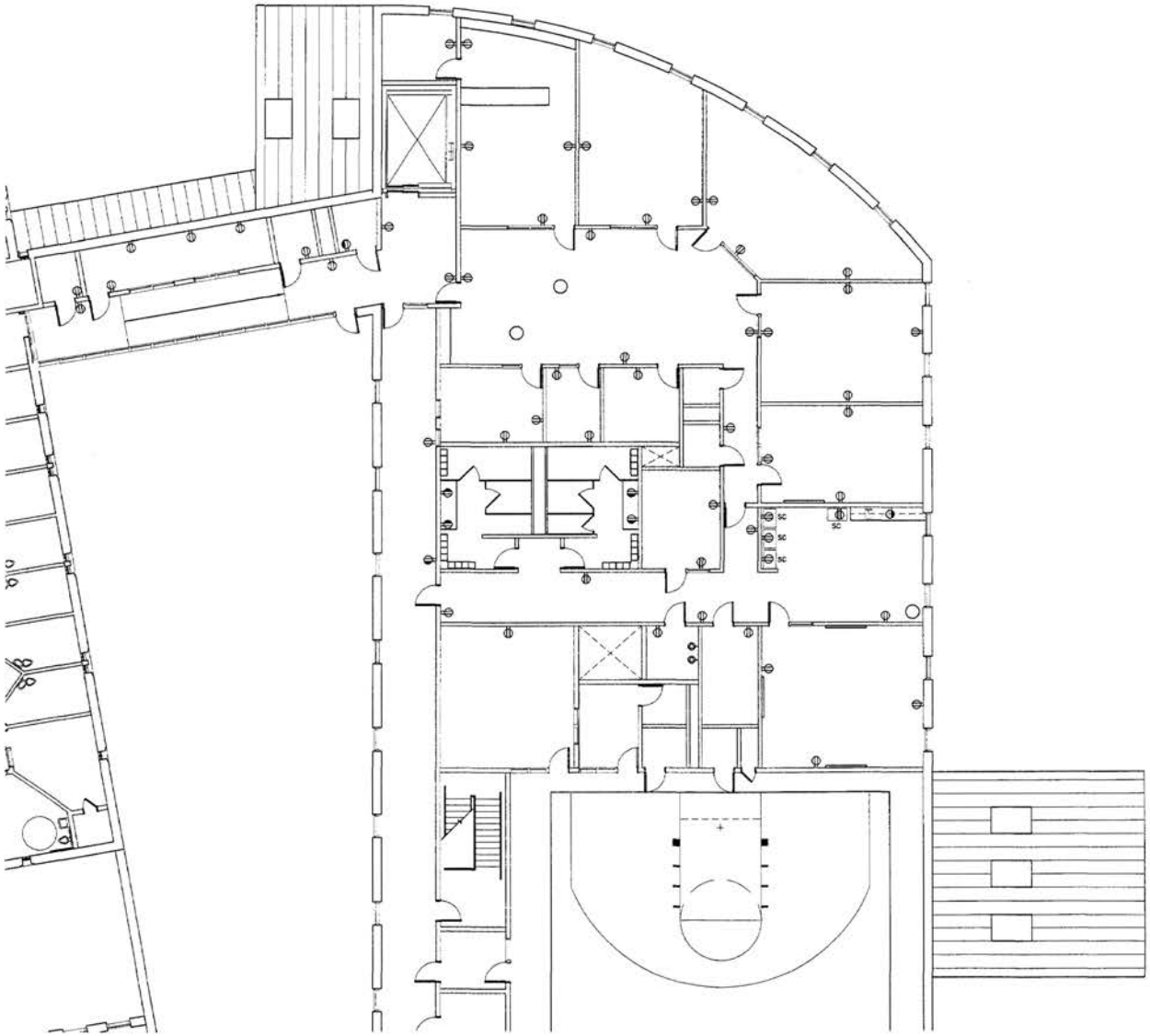
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Sheet Title: SECOND LEVEL AREA A POWER

Drawn By: HOK

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

Dwg. No. EP 2.1



E Second Level AREA B

0 4 8 16

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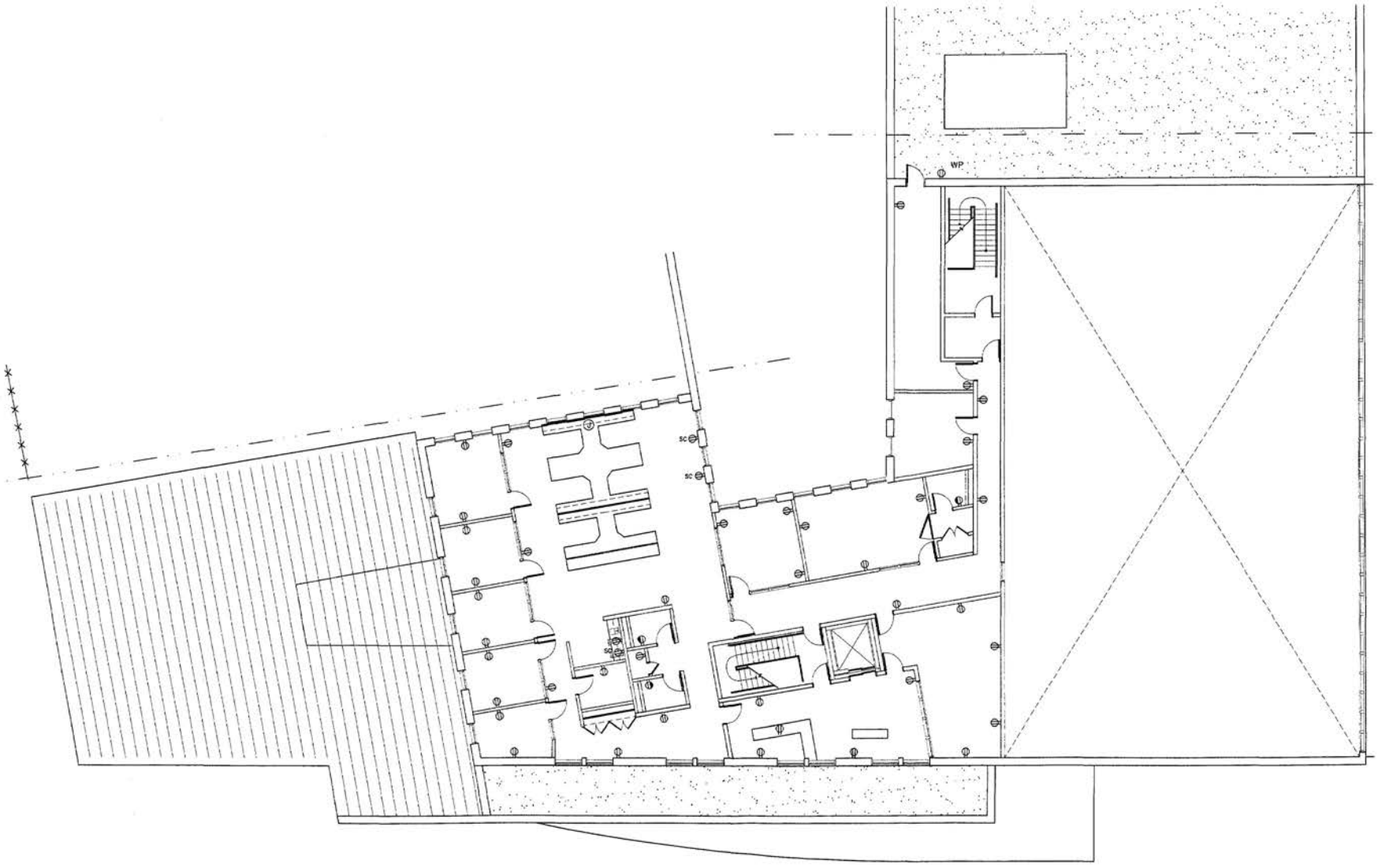
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Sheet Title: SECOND LEVEL AREA B POWER

Drawn By: HOK

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

Dwg. No. EP 2.2



E Third Level AREA A

0 4 8 16

N

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M.C. DEAN
CONSTRUCTION DIVISION

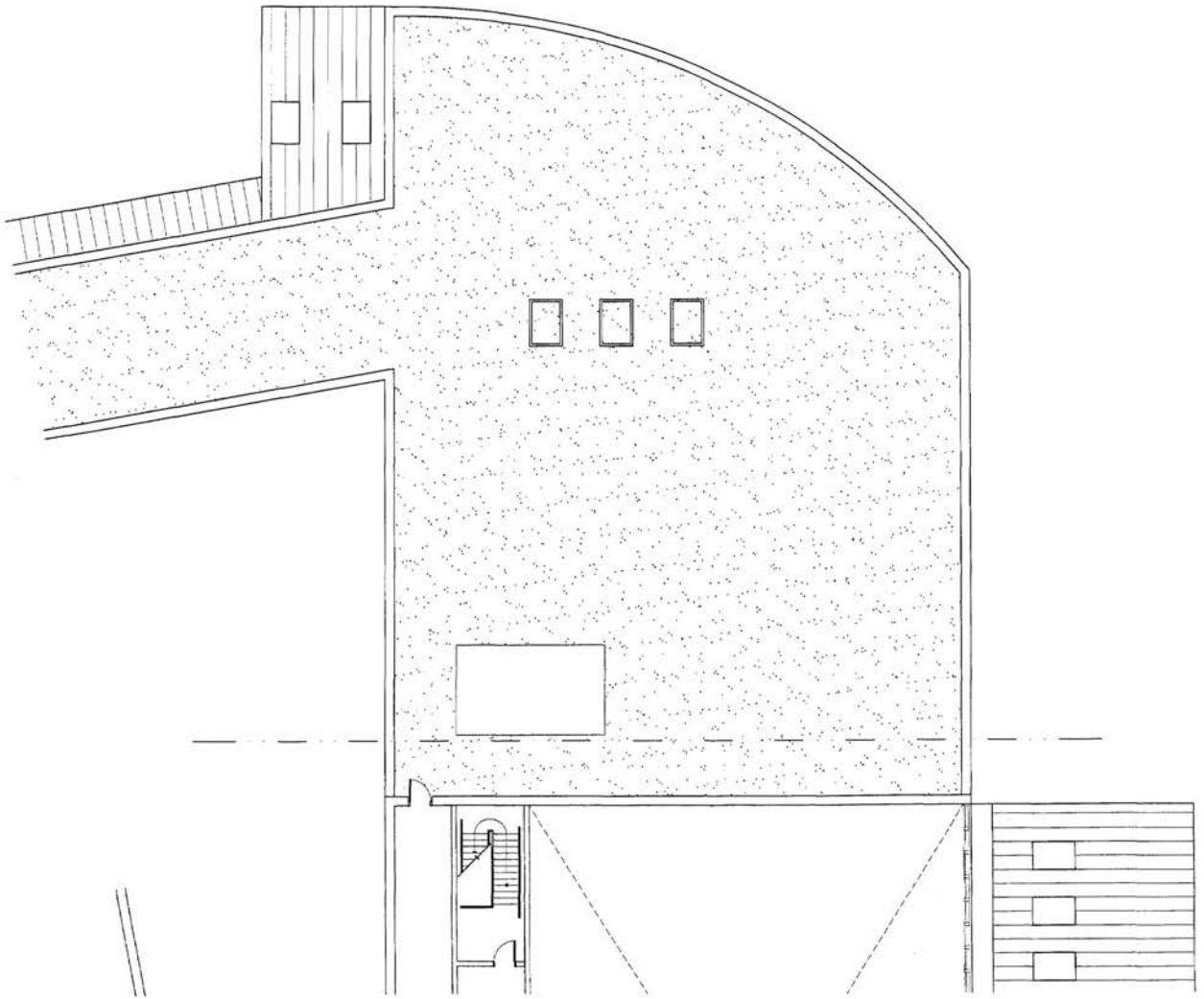
Proj. No.: 99-0329-001

Sheet Title: THIRD FLOOR AREA A POWER

Drawn By: HOK

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

Dwg. No. EP 3.1



E Third Level AREA B

0 4 8 16

N

YOUTH SERVICES CENTER
District of Columbia

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1508 U Street, NW
Washington, DC 20009
Tel: 202 462 1092
Fax: 202 462 1062

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CONSTRUCTION DIVISION

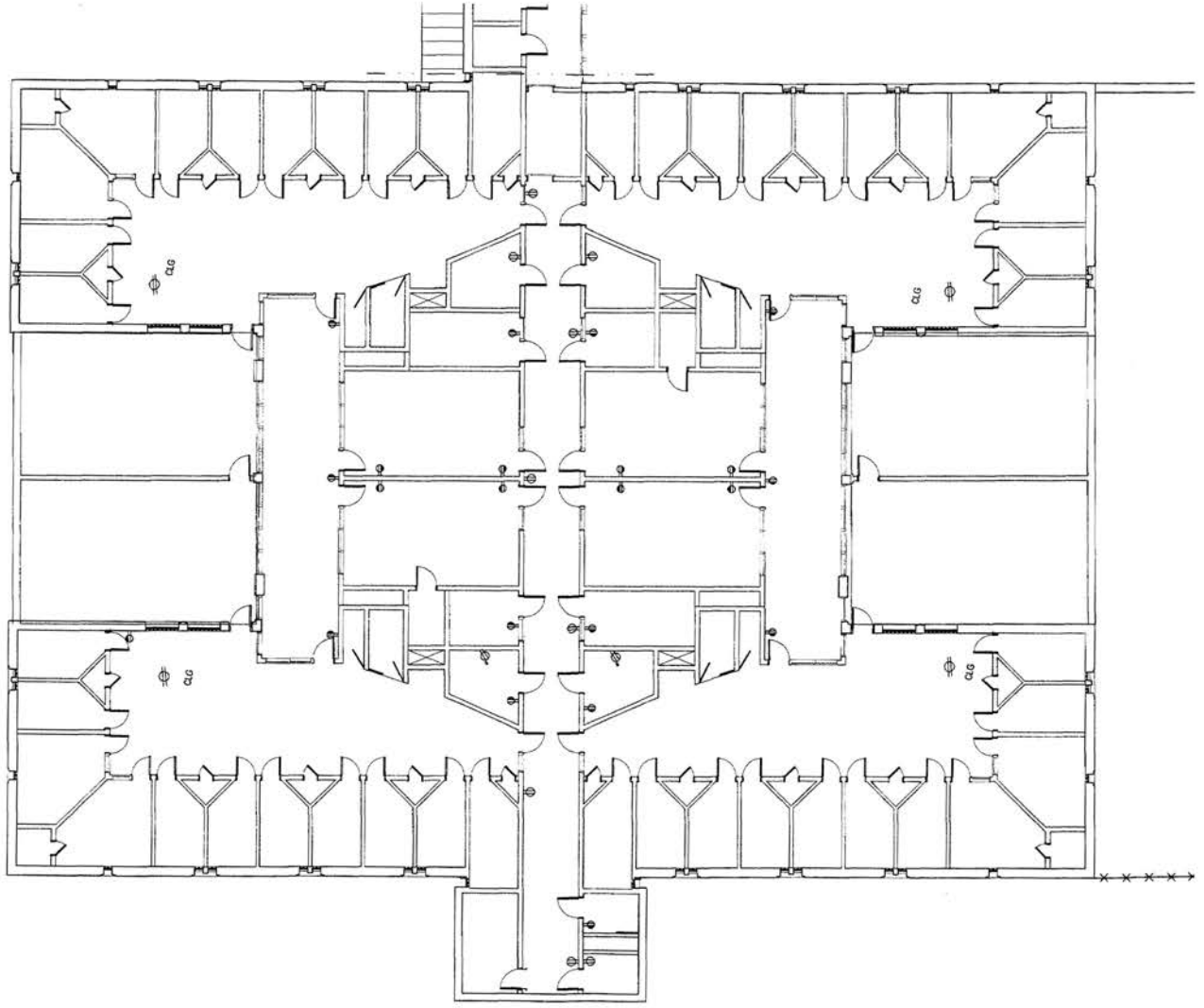
Proj. No.: 99-0329-001

Sheet Title: THIRD FLOOR AREA B POWER

Drawn By: HOK

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

Dwg. No. EP 3.2



E First Level HOUSING AREA

0 4 8 16

N

No.	Description	Date

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3726 Concorde Parkway
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Fax: 703-802-0218

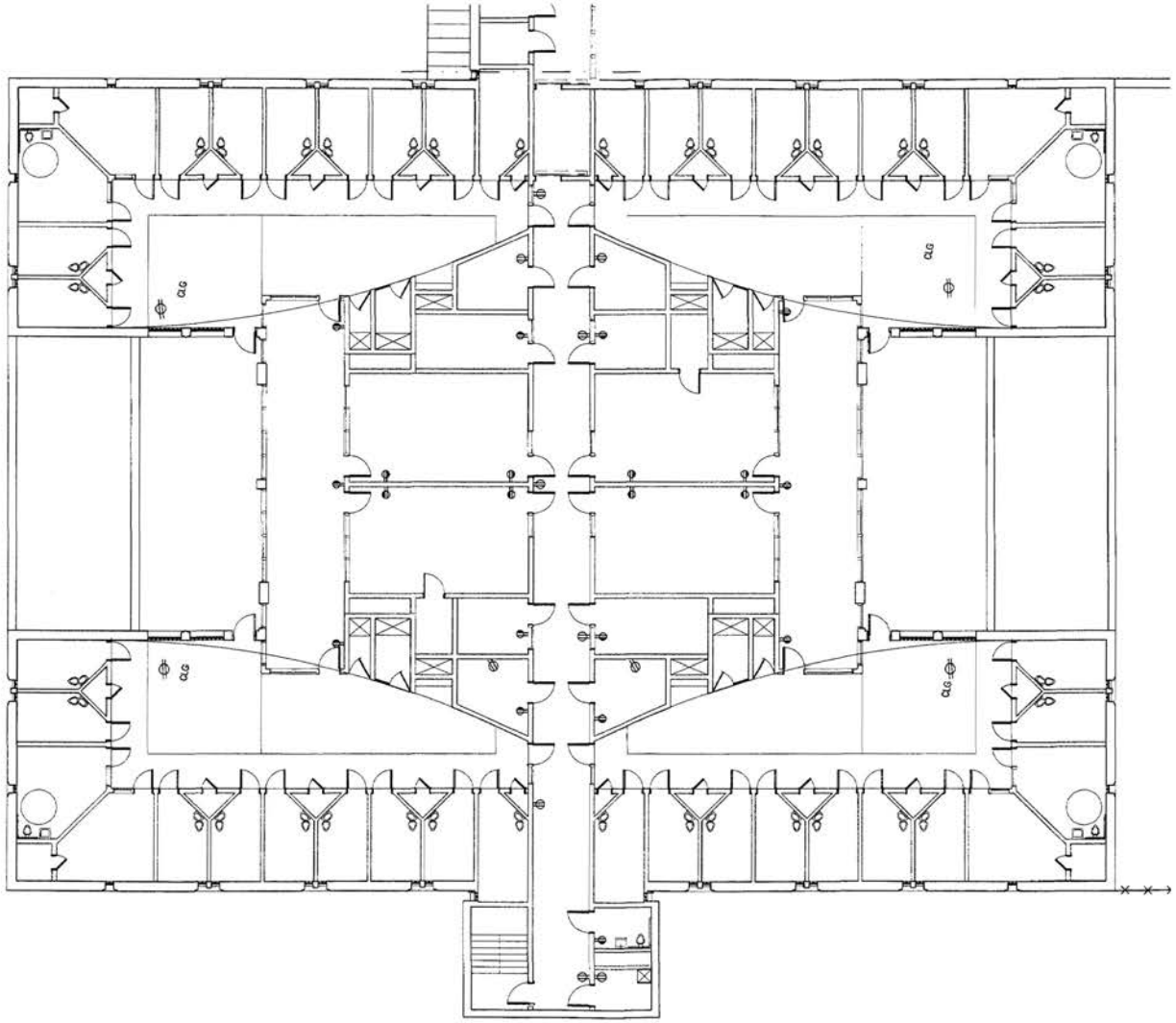
Proj. No.:
99-0329-001

Sheet Title:
FIRST LEVEL
HOUSING AREA
POWER

Drawn By: HOK

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

Dwg. No. EP 4.1



E Second Level HOUSING AREA

0 4 8 16

N

No.	Description	Date	App.

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1506 U Street, NW
Washington, DC 20009
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Fax: 202 462 1082

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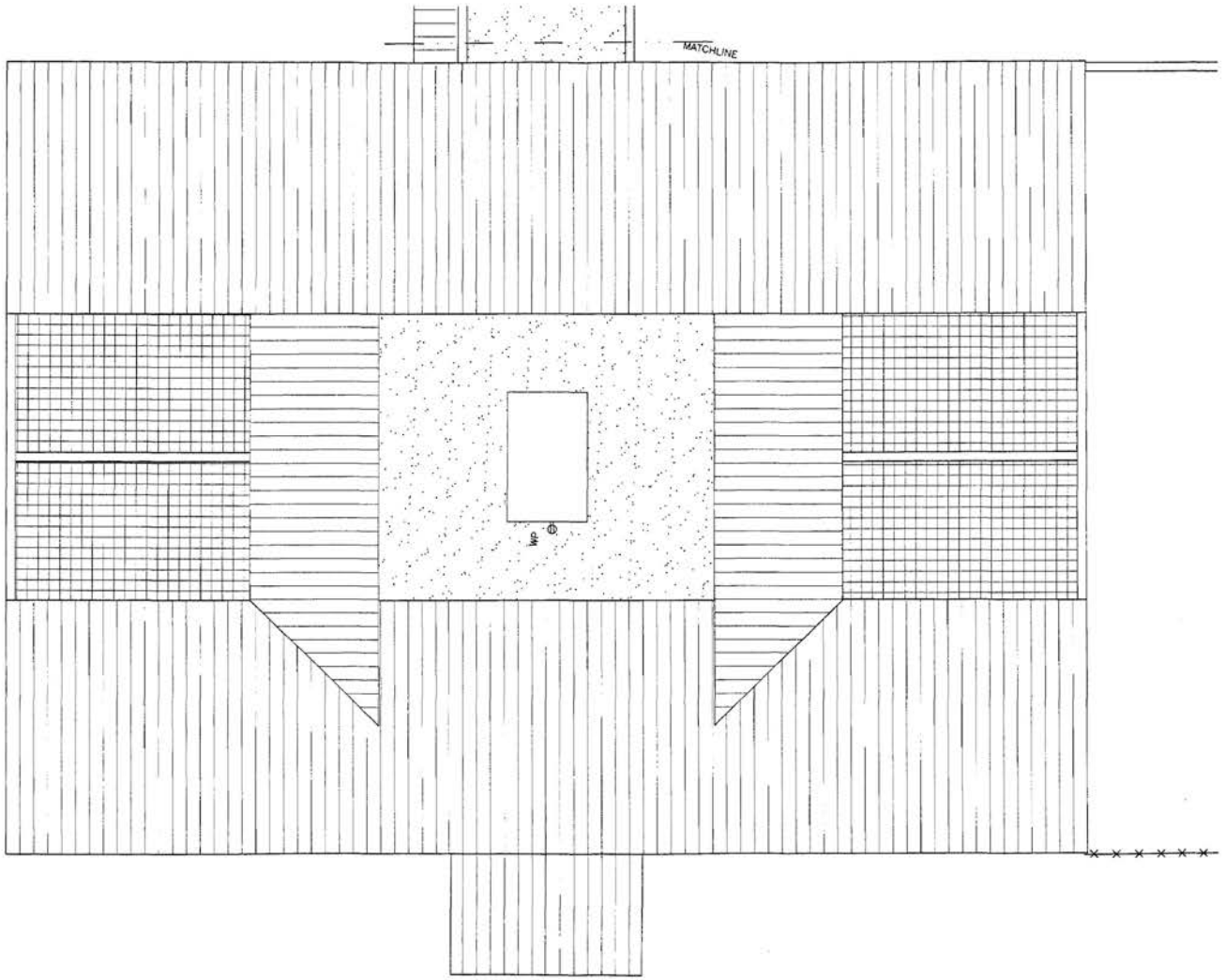
Proj. No.: 99-0329-001

Sheet Title: SECOND LEVEL HOUSING AREA POWER

Drawn By: HOK

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

Dwg. No. EP 4.2



E Third Level ROOF

0 4 8 16

N

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Washington, DC 20009
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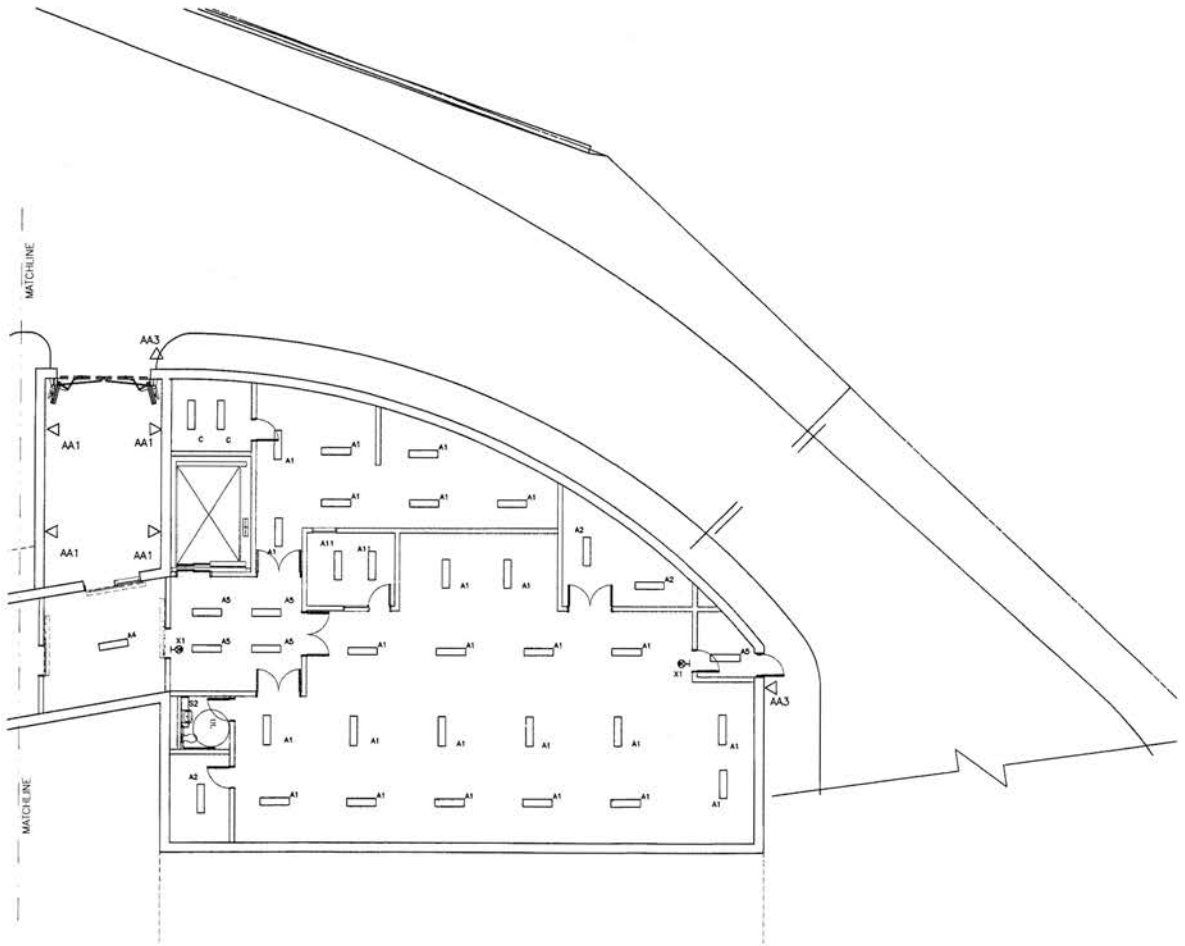
Proj. No.:
99-0329-001

Sheet Title:
THIRD FLOOR
HOUSING ROOF
POWER

Drawn By: HOK

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

Dwg. No. EP 4.3



E Basement Level Floor Plan
Kitchen and Laundry Area

0 4 8 16

N

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Fax:703-802-0719
www.mcdean.com

Proj. No.:
99-0329-001

Sheet Title:
BASEMENT LEVEL
KITCHEN AND LAUNDRY AREA
LIGHTING

Drawn By: HOK, BGB

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

Dwg. No. EL 0.1



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Washington, DC 20009
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Fax. 202 462 1662

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CONSTRUCTION DIVISION

Proj. No.: 99-0329-001

Sheet Title: BASEMENT LEVEL UTILITY AREA LIGHTING

Drawn By: HOK

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

Dwg. No. EL 0.2



E First Level AREA A

0 4 8 16

No.	Description	Date	Ap

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1506 U Street, NW
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CONSTRUCTION DIVISION

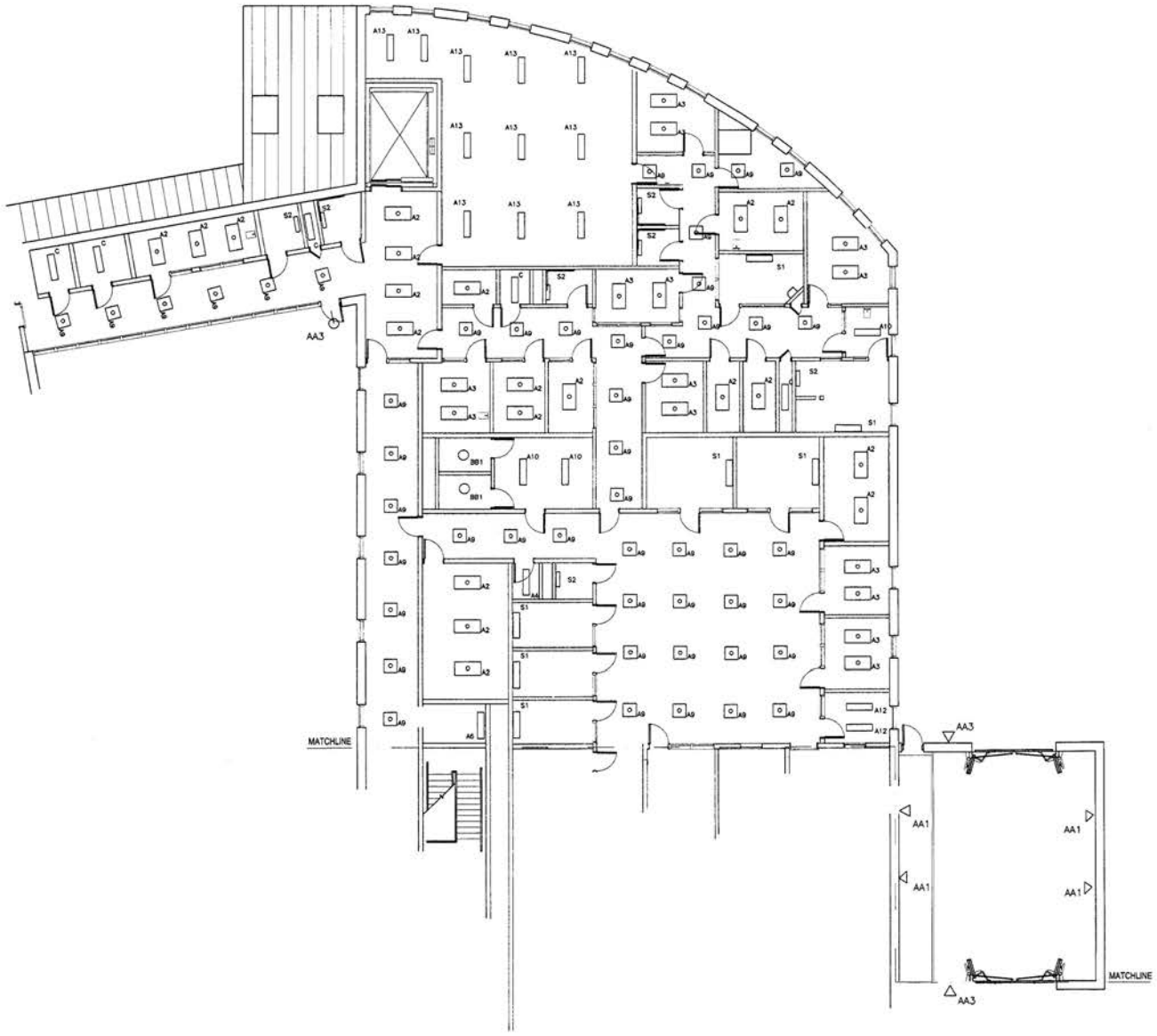
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Sheet Title: FIRST LEVEL AREA A LIGHTING

Drawn By: HOK, BGB

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

Dwg. No. EL 1.1



E First Level AREA B

0 4 8 16

N

No.	Description	Date	App.

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Proj. No.: 99-0329-001

Sheet Title: FIRST LEVEL AREA B LIGHTING

Drawn By: HOK, BGB

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

Dwg. No. EL 1.2



E Second Level AREA A

0 4 8 16

N

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Proj. No.: 99-0329-001

Sheet Title: SECOND LEVEL AREA A LIGHTING

Drawn By: HOK, BGB

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

Dwg. No. EL 2.1



E Second Level AREA B

0 4 8 16

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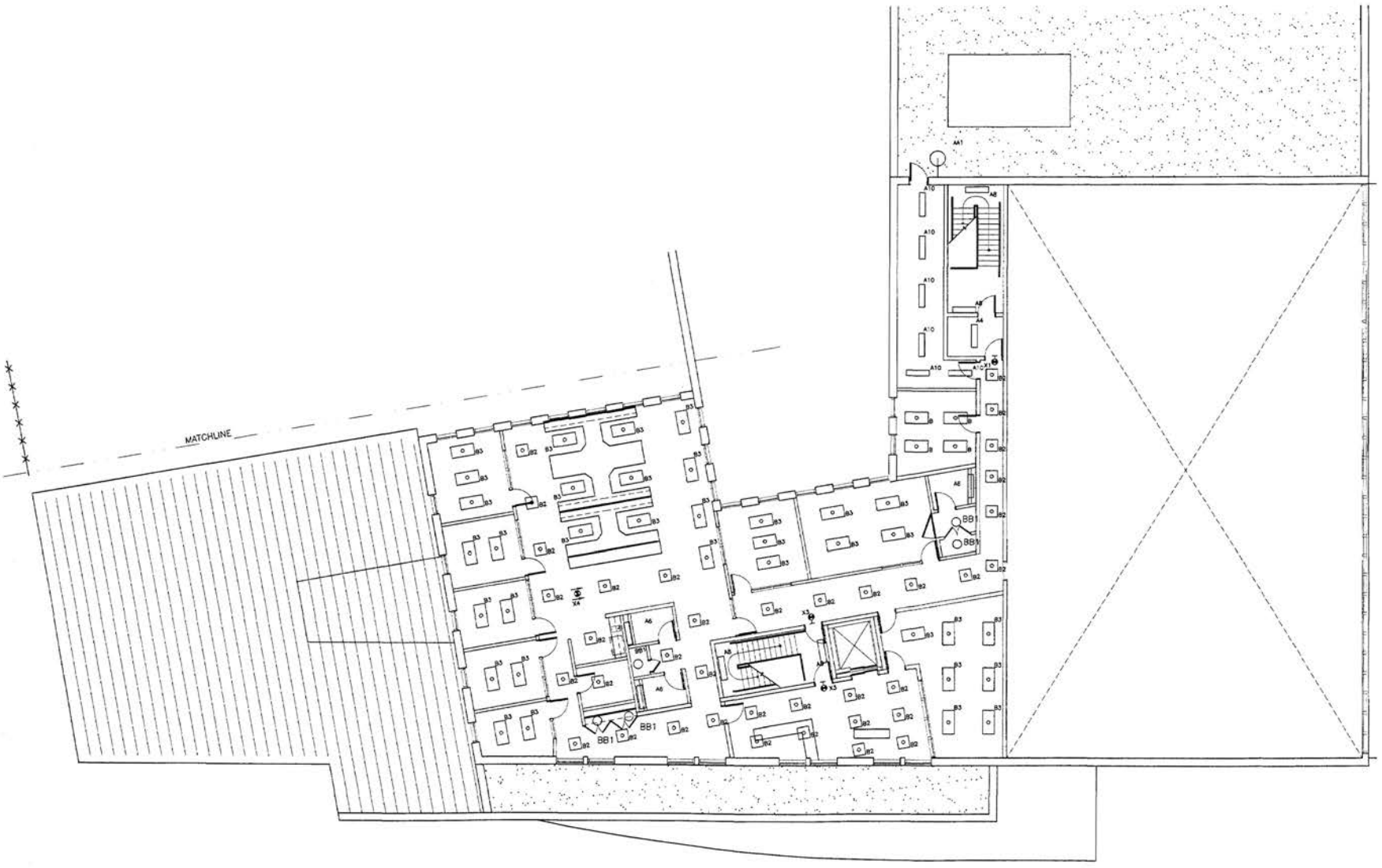
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Sheet Title: SECOND LEVEL AREA B LIGHTING

Drawn By: HOK, BGB

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

Dwg. No. EL 2.2



E Third Level AREA A

0 4 8 16

N

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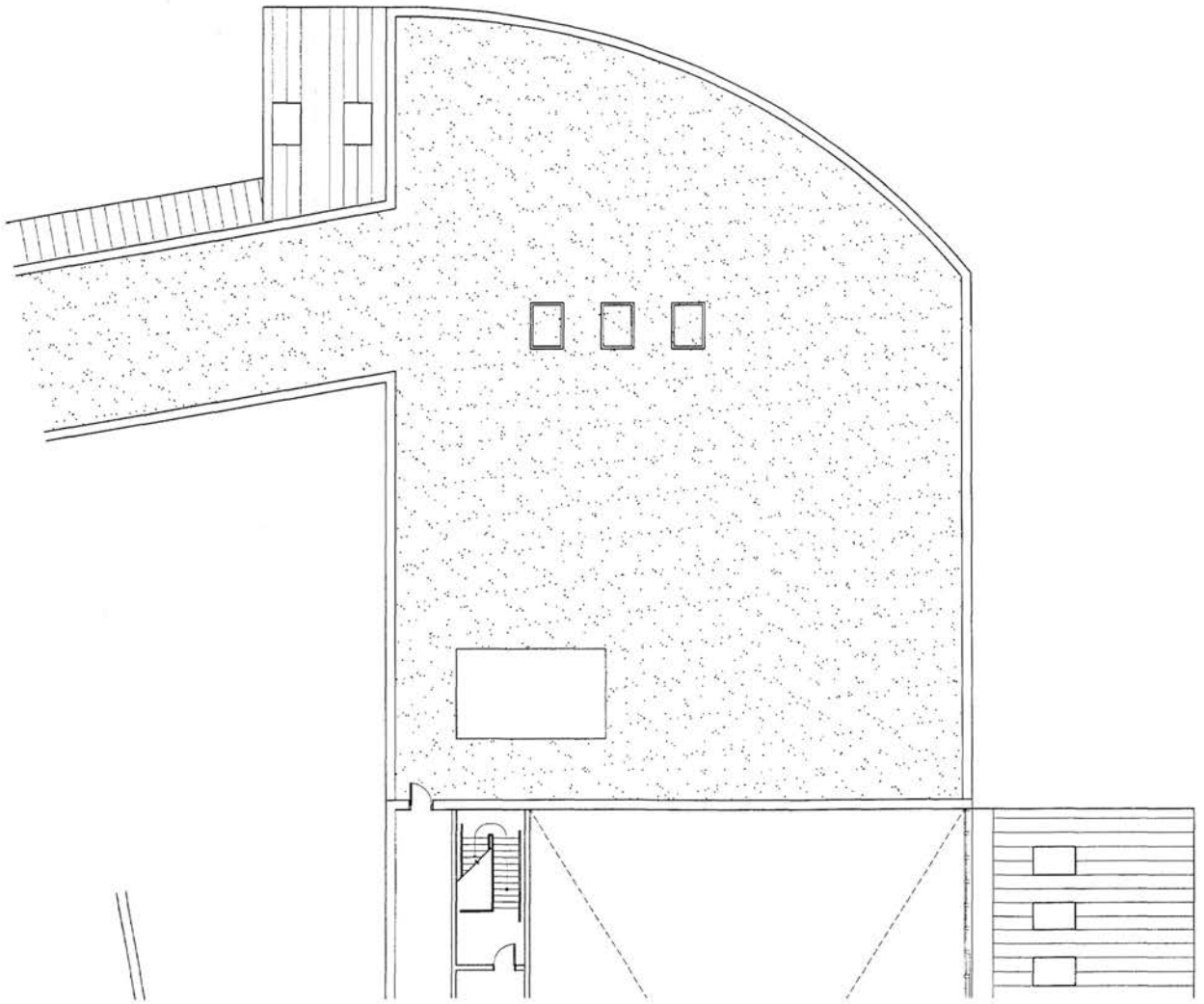
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Sheet Title: THIRD FLOOR AREA A LIGHTING

Drawn By: HOK, BGB

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

Dwg. No. EL 3.1



E Third Level AREA B

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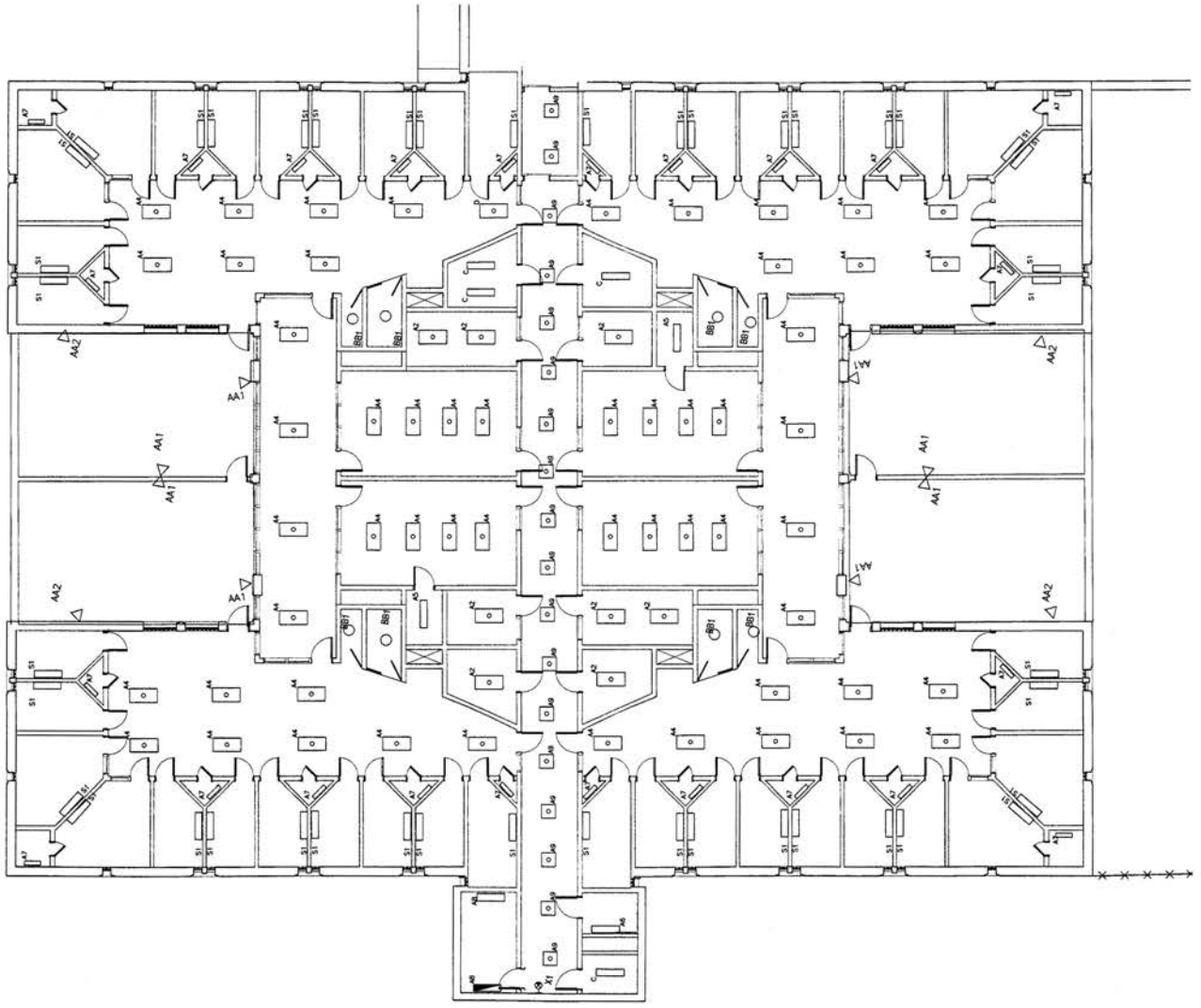
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Sheet Title:
THIRD FLOOR
AREA B
LIGHTING

Drawn By: HOK, BGB

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

Dwg. No. EL 3.2



E First Level HOUSING AREA

0 4 8 16

N

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District of Columbia

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Sheet Title: FIRST LEVEL HOUSING AREA LIGHTING

Drawn By: HOK, BGB

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

Dwg. No. EL 4.1