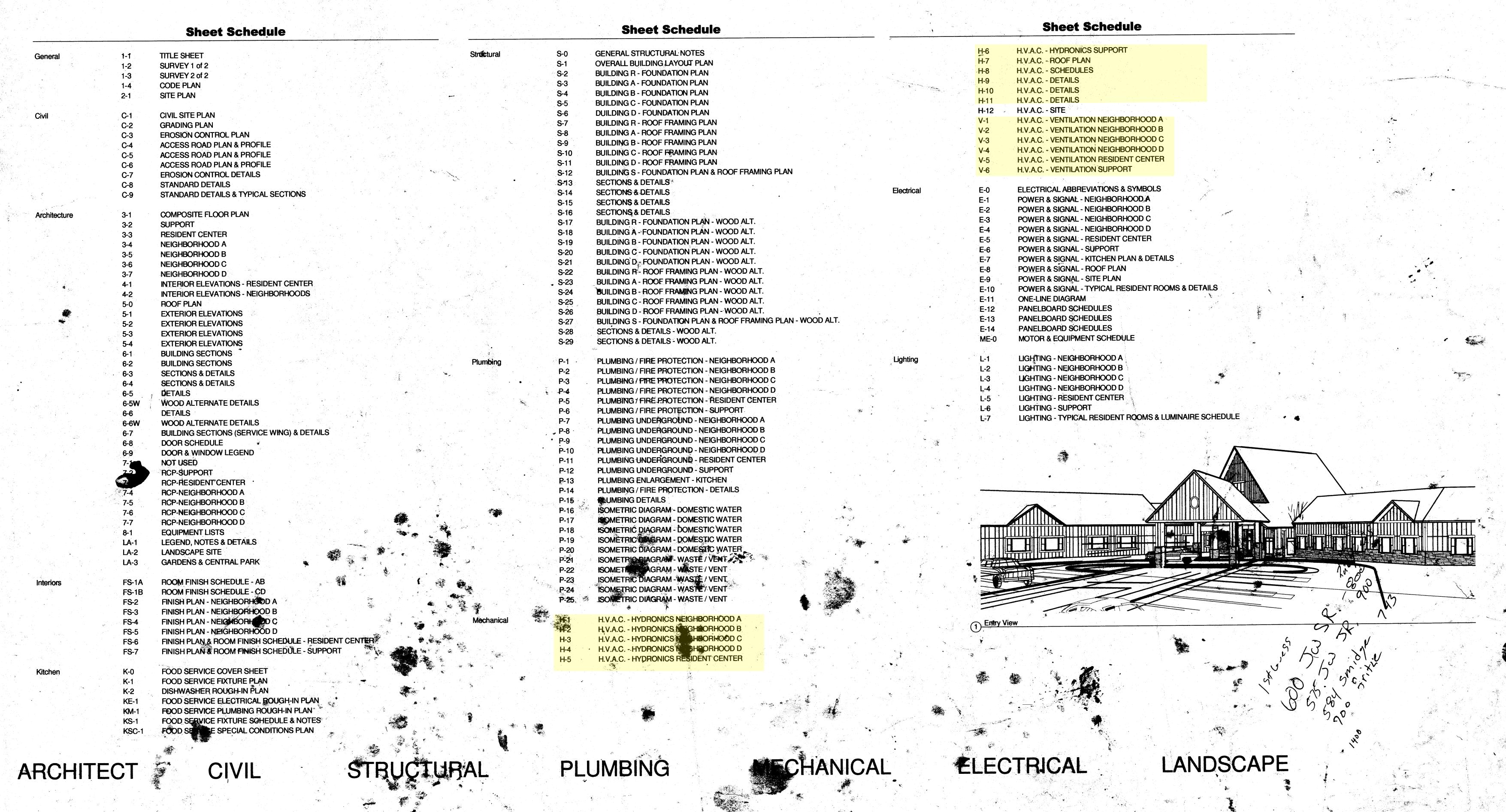
SAUK COUNTY HEALTH CARE CENTER REEDSBURG, WISCONSIN



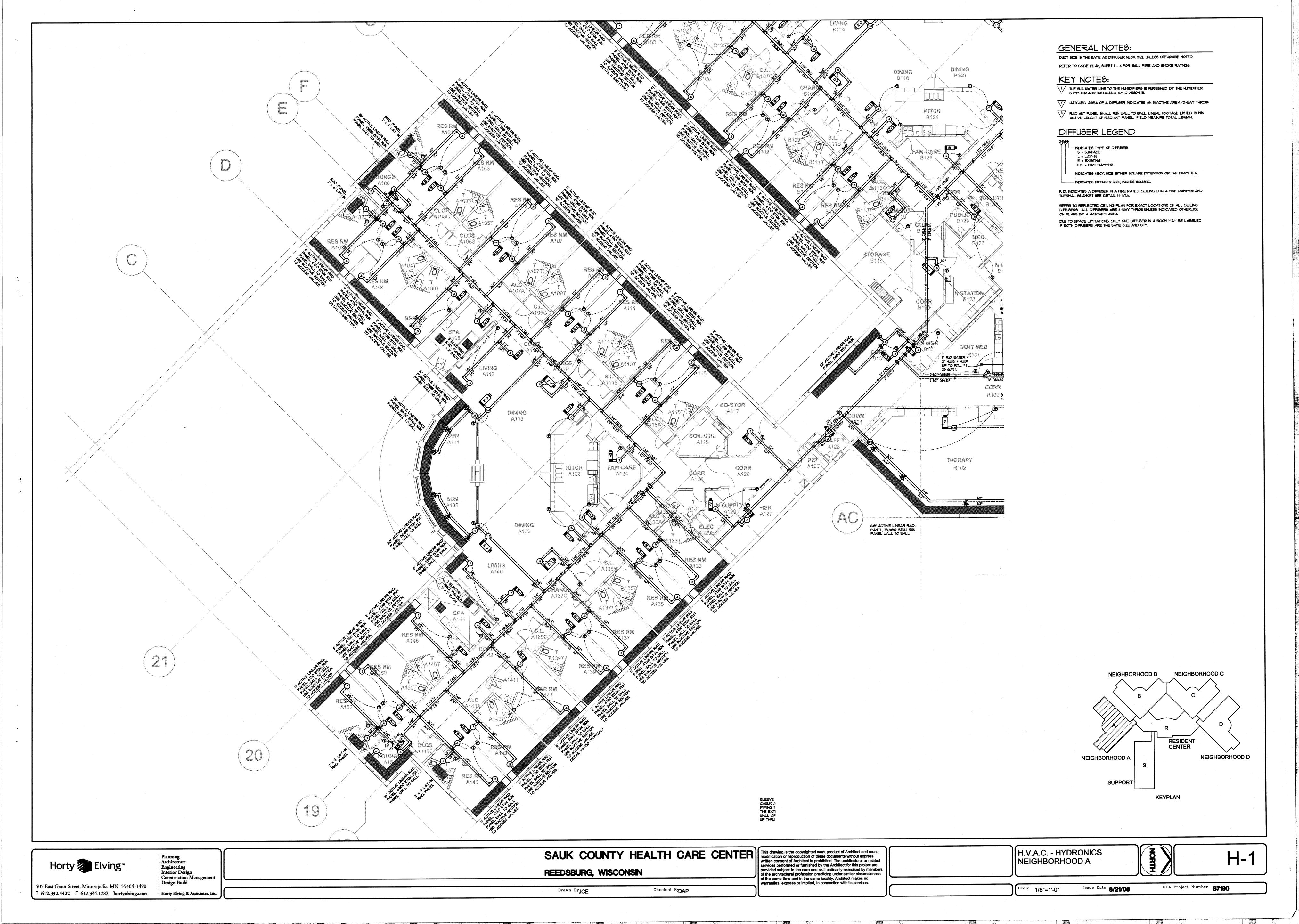
Horty **Elving**

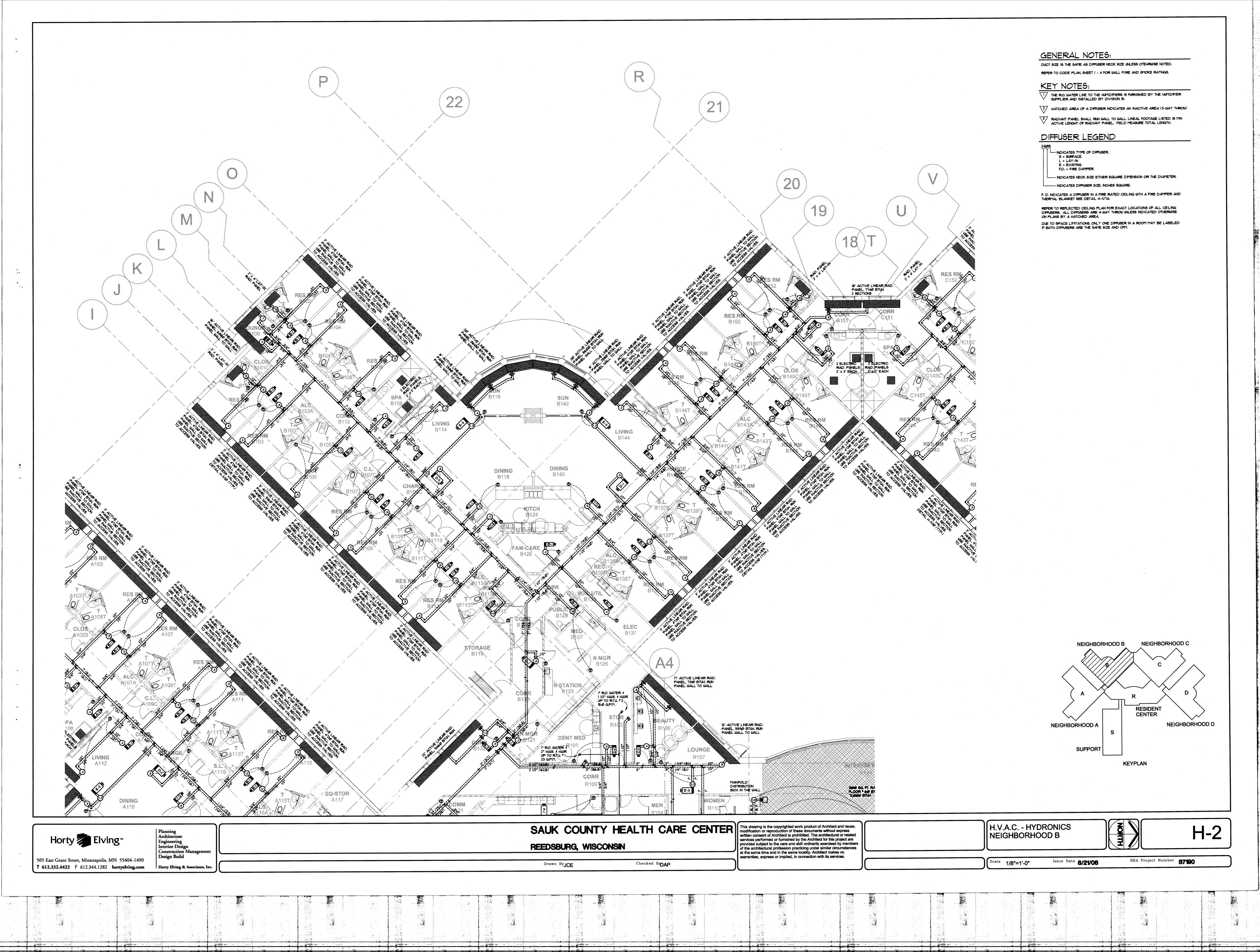
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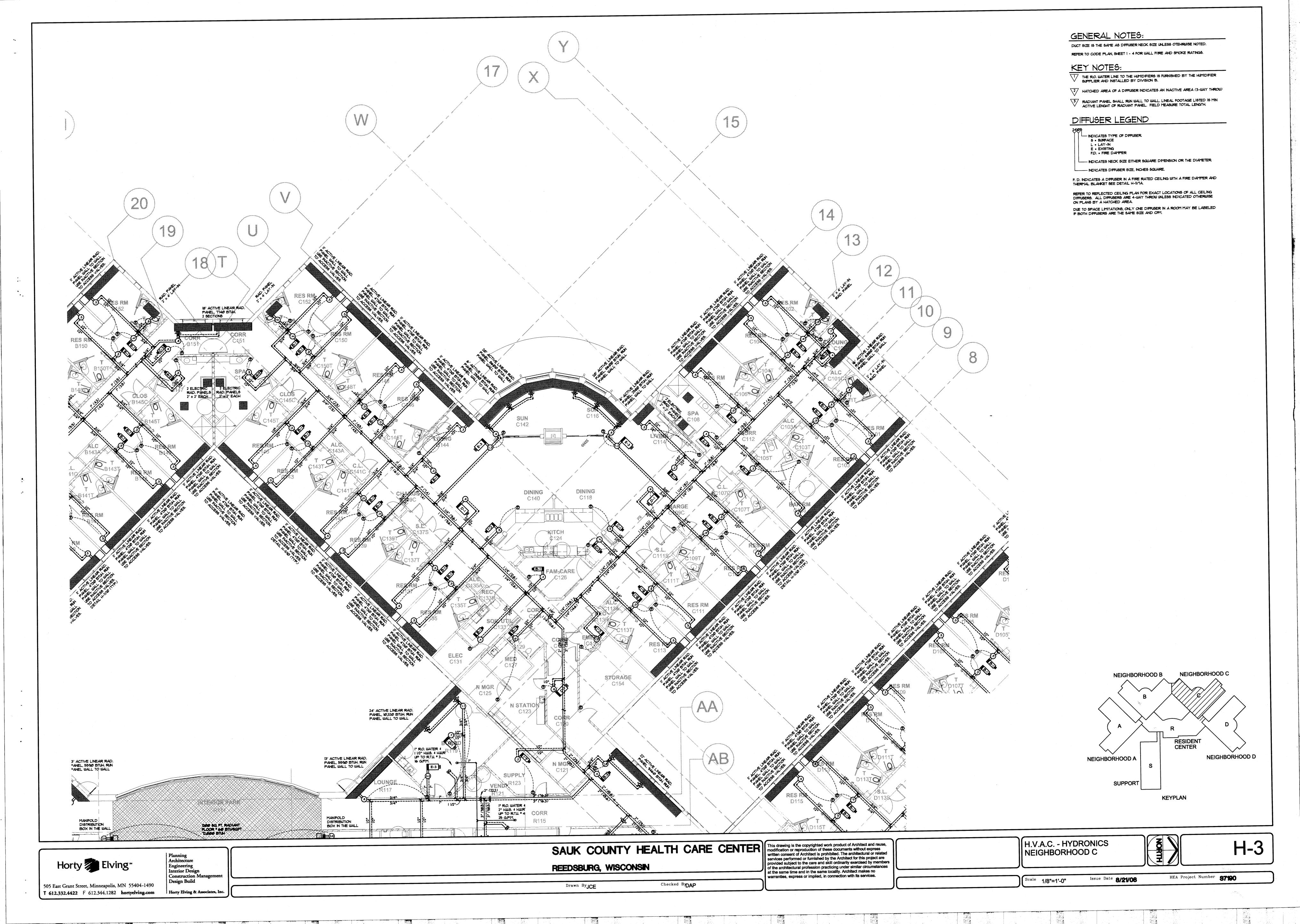
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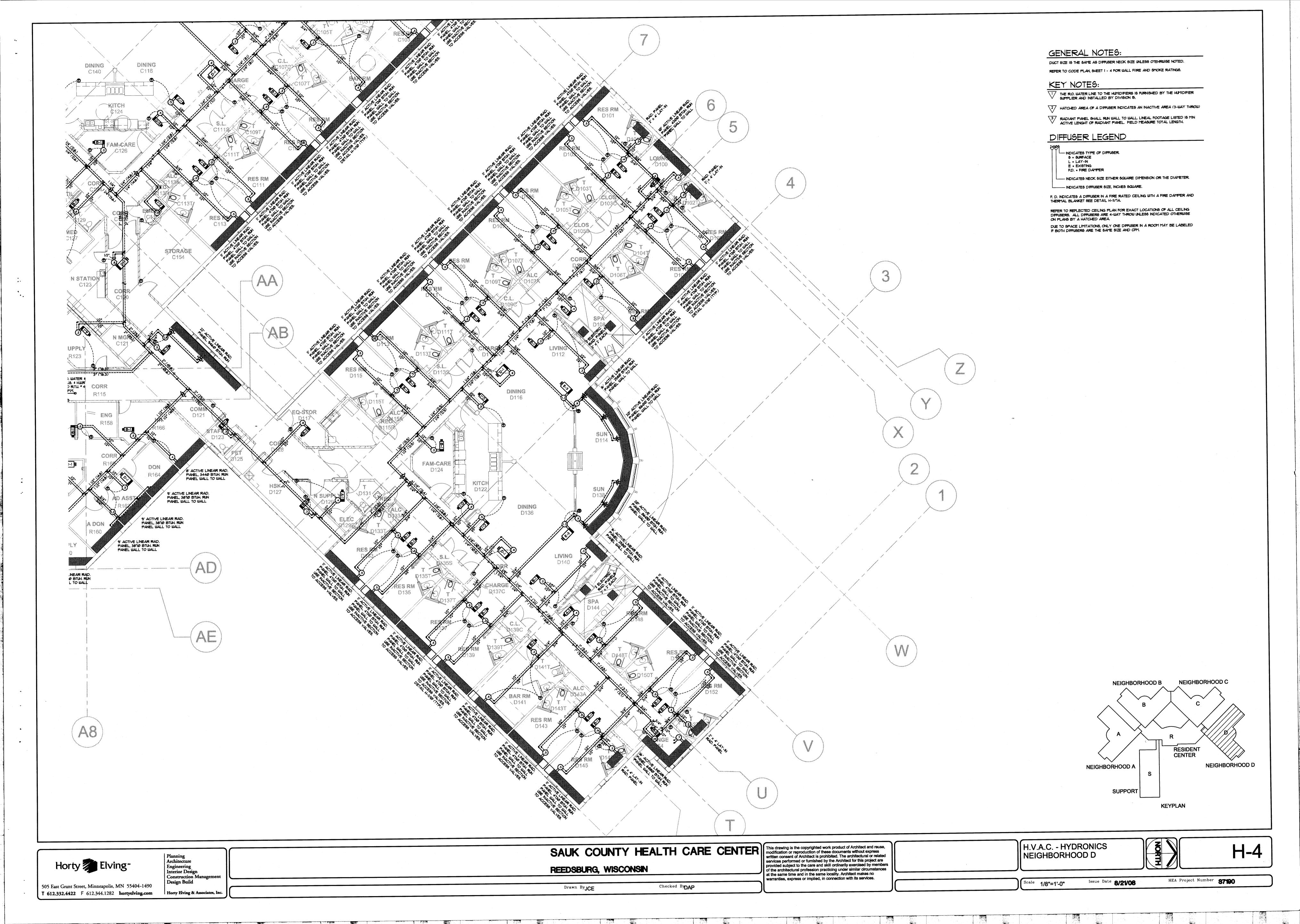
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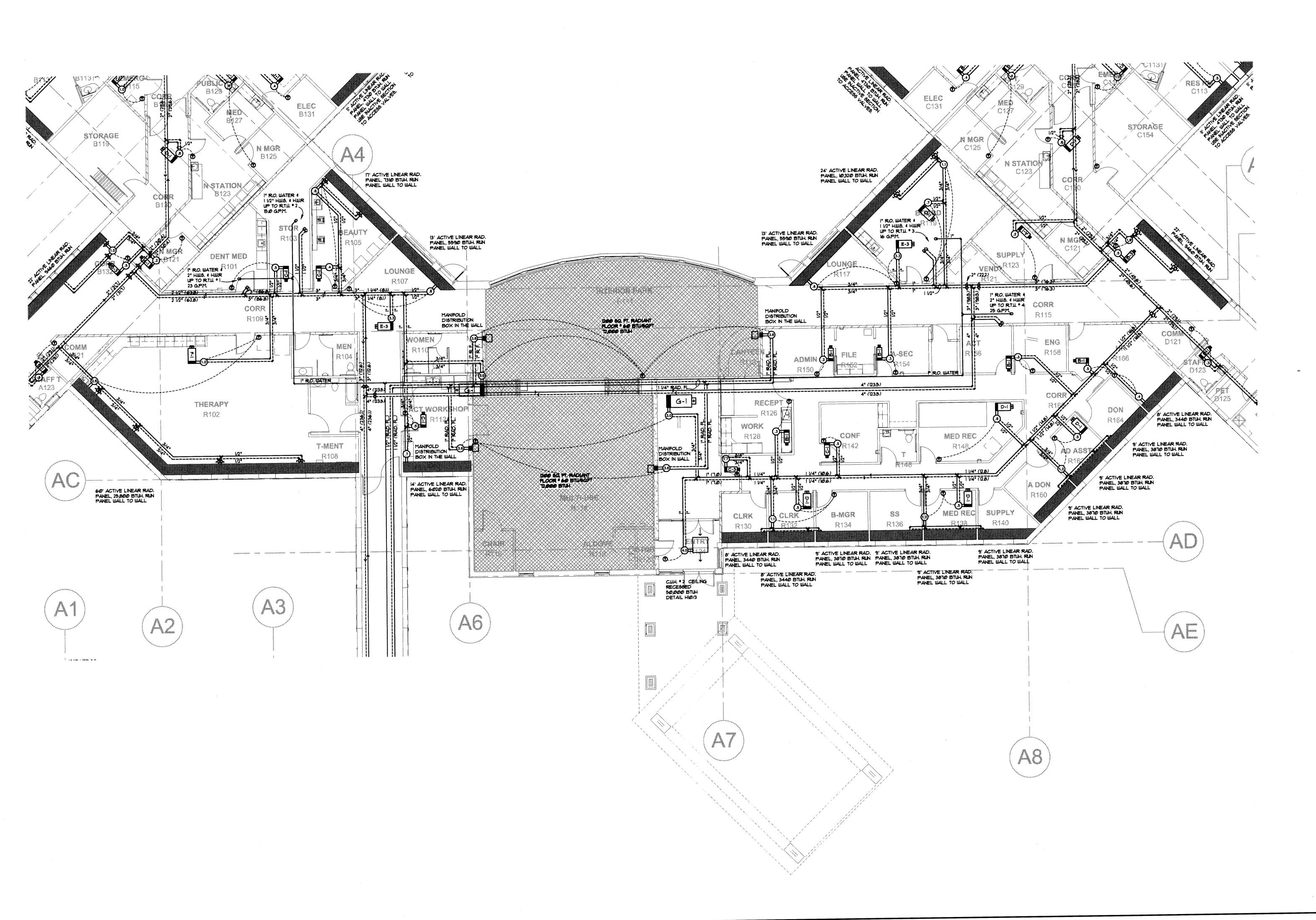
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GENERAL NOTES:

DUCT SIZE IS THE SAME AS DIFFUSER NECK SIZE UNLESS OTEHRWISE NOTED. REFER TO CODE PLAN, SHEET I - 4 FOR WALL FIIRE AND SMOKE RATINGS.

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THE RO. WATER LINE TO THE HUMIDIFIERS IS FURNISHED BY THE HUMIDIFIER SUPPLIER AND INSTALLED BY DIVISION IS.

2 HATCHED AREA OF A DIFFUSER INDICATES AN INACTIVE AREA (3-WAY THROW)

RADIANT PANEL SHALL RUN WALL TO WALL. LINEAL FOOTAGE LISTED IS MIN ACTIVE LENGTH OF RADIANT PANEL. FIELD MEASURE TOTAL LENGTH.

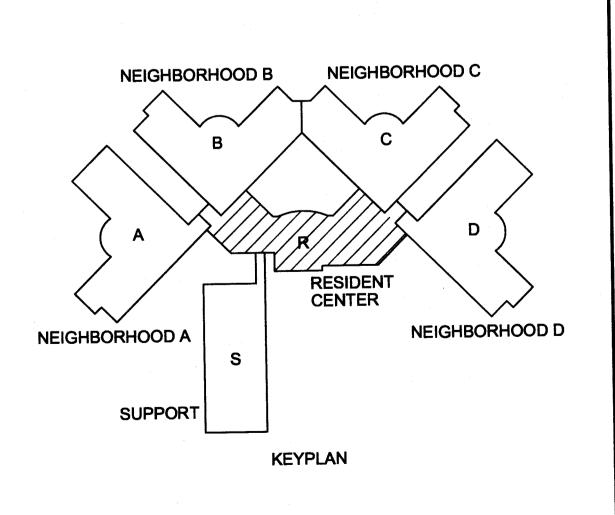
DIFFUSER LEGEND

S = SURFACE L = LAY-IN E = EXISTING

--- INDICATES NECK SIZE EITHER SQUARE DIMENSION OR THE DIAMETER. --- INDICATES DIFFUSER SIZE, INCHES SQUARE.

F. D. INDICATES A DIFFUSER IN A FIRE RATED CEILING WITH A FIRE DAMPER AND THERMAL BLANKET SEE DETAIL H-11/1A.

REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING DIFFUSERS. ALL DIFFUSERS ARE 4-WAY THROW UNLESS INDICATED OTHERWISE ON PLANS BY A HATCHED AREA. DUE TO SPACE LIMITATIONS, ONLY ONE DIFFUSER IN A ROOM MAY BE LABELED IF BOTH DIFFUSERS ARE THE SAME SIZE AND CFM.



Horty Elving*

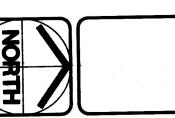
SAUK COUNTY HEALTH CARE CENTER REEDSBURG, WISCONSIN

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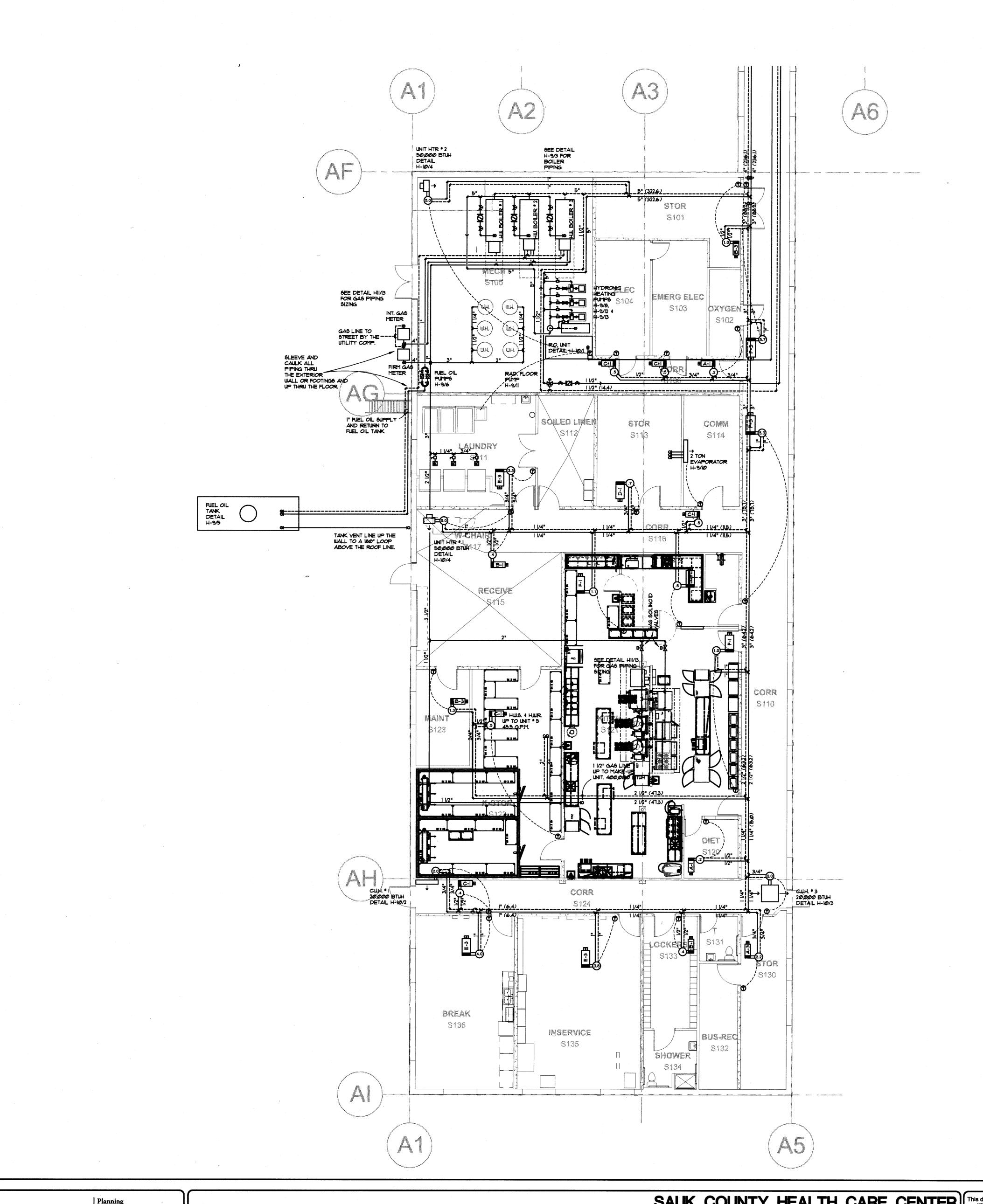
H.V.A.C. - HYDRONICS RESIDENT CENTER



Scale 1/8"=1'-0"

Issue Date **8/21/08**

HEA Project Number 87190



GENERAL NOTES:

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DIFFUSER LEGEND

INDICATES TYPE OF DIFFUSER S = SURFACE

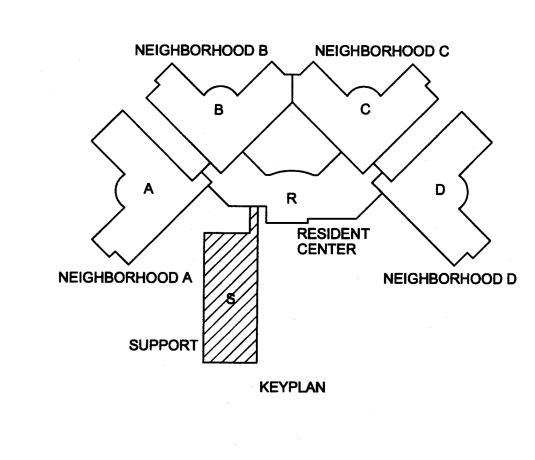
L = LAY-IN E = EXISTING F.D. . FIRE DAMPER

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Horty Elving 505 East Grant Street, Minneapolis, MN 55404-1490

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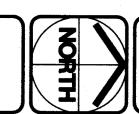
SAUK COUNTY HEALTH CARE CENTER REEDSBURG, WISCONSIN

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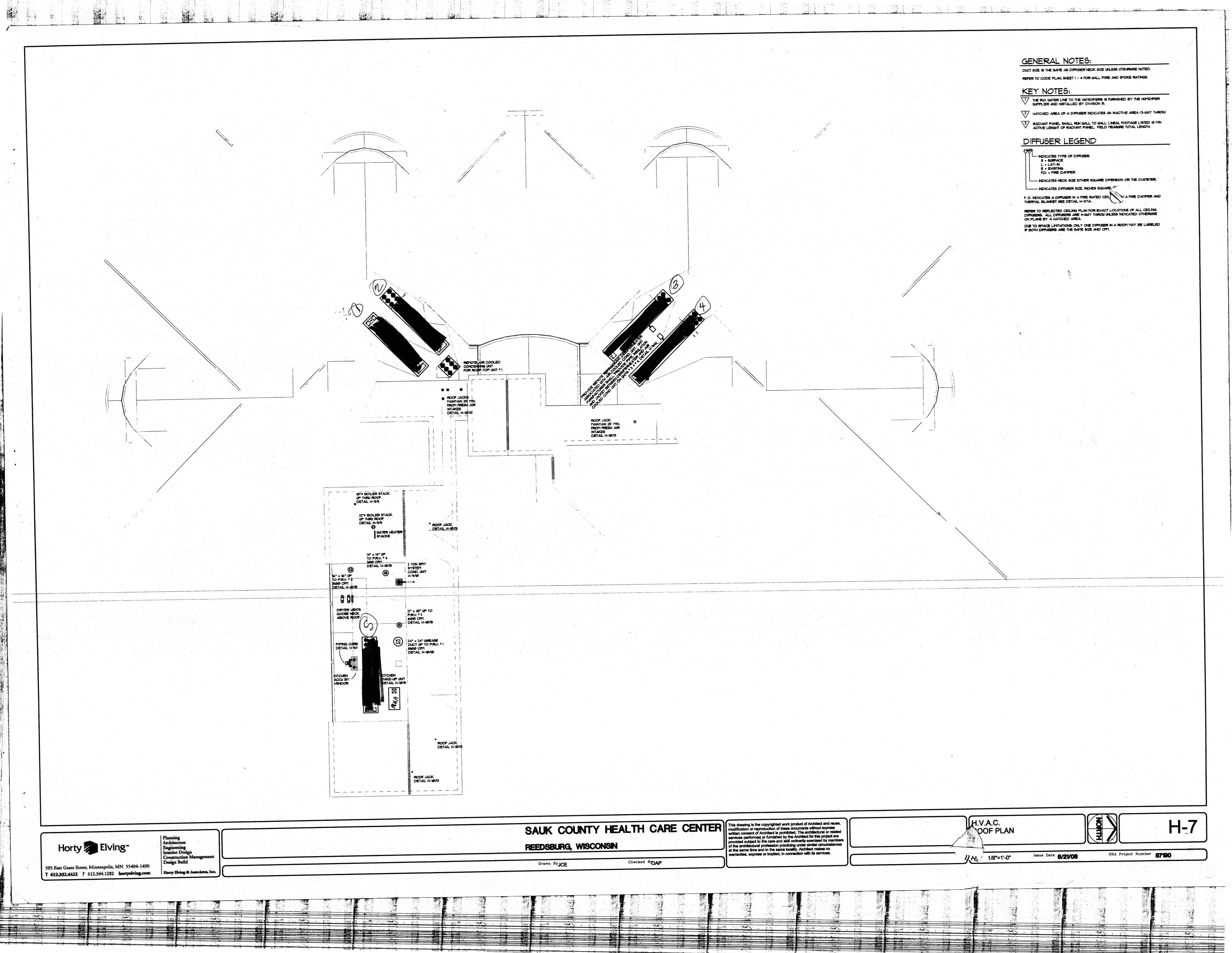
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H.V.A.C. - HYDRONICS SUPPORT



H-6

HEA Project Number \$7190 Issue Date **8/21/08**



UNIT NUMBER	ROOF-TOP UNIT # I	ROOF-TOP UNIT # 2	ROOF-TOP UNIT # 3	ROOF-TOP UNIT # 4	ROOF-TOP UNIT * 5	UNIT # 6
LOCATION	AREA "R" ROOF	AREA "R" ROOF	AREA "R" ROOF	AREA "R" ROOF	AREA "5" ROOF	AERA "S" ROOF
SERVES	AREA "A"	AREA "B"	AREA "C"	AREA "D"	AREA "S"	KITCHEN MAKE-UP
MODEL NUMBER	ROOF-TOP UNIT	ROOF-TOP UNIT	ROOF-TOP UNIT	ROOF-TOP UNIT	ROOF-TOP UNIT	
SUPPLY FAN						
CFM	21,100 CFM	13,750 CFM	15,670 CFM	22,945 CFM	13,895 CFM	4870 CFM
TOTAL STATIC PRESSURE	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	2 1/2"
H.P.	30 H.P.	20 H.P.	20 H.P.	3Ø H.P.	20 H.P.	5 H.P.
MINIMUM FRESH AIR	3,675 CFM	2700 CFM	2000 CFM	4,035 CFM	6000 CFM	4,870 CFM
VOLTAGE	SEE SHEET ME-0	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø
FILTER BOX	2" PREFILTER	2" PREFILTER	2" PREFILTER	2" PREFILTER	2" PREFILTER	2" PREFILTER
4.	80% BAG FILTER	80% BAG FILTER	80% BAG FILTER	80% BAG FILTER	80% BAG FILTER	
RETURN FAN	16,930 CFM • 1 1/2"	10,600 CFM # 1 1/2"	12,700 CFM 1 1/2"	19,310 CFM • 1 1/2"	1,895 CFM # 1 1/2"	NONE
H.P.	10 H.P.	5 H.P.	7 1/2 H.P.	10 H.P.	5 H.P.	
HEATING COIL	23 G.PM.	15 G.P.M.	16 G.P.M.	25 G.PM.	45 G.P.M.	
	HOT WATER - 10° RISE	HOT WATER - 10" RISE	HOT WATER - 10' RISE	HOT WATER - 10' RISE	HOT WATER - 30' RISE	GAS FIRED - 15° RIS
	230,000 BTUH	150,000 BTUH	160,000 BTUH	250,000 BTUH	455,000 BTUH	400,000 BTUH
COOLING COIL	75 TON D.X. +	36 TON DX.	45 TON D.X.	15 TON DX.	40 TON D.X.	NONE
NOTES	120 */HR MIST. HUMID.	NO HUMIDIFIER				
	SUPPLY ATTENUATOR	SUPPLY ATTENUATOR	SUPPLY ATTENUATOR	SUPPLY ATTENUATOR	SUPPLY ATTENUATOR	·
	VAR. FREQ. DRIVES	VAR. FREQ. DRIVES	VAR FREQ. DRIVES	VAR. FREQ. DRIVES	YAR, FREQ. DRIVES	
	FULL ECONOMISER	FULL ECONOMISER	FULL ECONOMISER	FULL ECONOMISER	FULL ECONOMISER	

CABINET UNI	T HEATER SCHED	ULE	
UNIT NUMBER	C.U.H. • 1	C.U.H. * 2	C.I.H. * 3
LOCATION	CORR. 5124	RI24 VESTIBULE	CORR. SIIO
MODE	HOT WATER	HOT WATER	HOT WATER
ВТИН	20,000	50,000	20,000
CFM	400	800	400
RPM	1150	1150	1150
H.P.	1/20	1/20	1/20
CURRENT	110/60/1	110/60/1	110/60/1
MODEL	FLOOR SET	CEILING RECESSED	CEILING RECESSED
NOTES	INVERTED FLOW		

· Unit • I IS A SPLIT SYSTEM

SYSTEM	UNIT * 1	UNIT * 2	UNIT # 3	UNIT * 4	UNIT * 5	UNIT # 6
SUPPLY AIR	21,100 CFM	13,750 CFM	15,670 CFM	22,945 CFM	13,895 CFM	4870 CFM
RETURN AIR	16,930 CFM	10,600 CFM	12,700 CFM	19,310 CFM	7,895 CFM	
TOTAL AREA EXH.	3770 CFM	2620 CFM	2620 CFM	2795 CFM	10,175 CFM	
POSITIVE PRESS.	400 CFM	530 CFM	350 CFM	840 CFM	695 CFM	
NOTES					4,810 CFM FROM	ADD TO UNIT * 5
NOTES					UNIT *6	100% MAKE-UP

HUMIDIFIER SCHEDULE

* PER HOUR

REL. HUMIDITY

HYDRONIC ACCESSORIES	,
SYSTEM	MAIN HYD. HEATING
EXPANSION TANK NUMBER	1
EXPANSION TANK SIZE	300 GALLON
TANK FITTING	ATFL
AIR PURGE	R- 5
TANK DRAIN	YES
GAUGE GLASS SETS	NONE
RELIEF VALVES	1
RELIEF VALVE PRESSURE SETTING	45 P.S.I.G.
COLD WATER SUPPLY	3/4'

UNIT NUMBER	UNIT HEATER * I	UNIT HEATER # 2
LOCATION	SIIS RECIEVING	5105 MECH.
MODE	15% PROPYLENE	15% PROPYLENE
втин	50,000	50,000
CFM	1500	1500
RPM	1150	1150
H.P.	1/6	1/6
CURRENT	110/60/1	110/60/1
MODEL	HORIZONTAL	HORIZONTAL
NOTES		

120

15%

15%

YERIFY W/ UNIT MFG.

BUILDING TOTAL

92,230 CFM 67,435 CFM 21,980 CFM

SYSTEM	AHU. * 1 RETURN	A.H.J. • I RETURN	A.H.J. • 2 RETURN	A.H.J. • 3 RETURN	A.H.J. * 4 RETURN	A.H.J. • 4 RETURN	AHU. • 5 RETUR
CFM	12,480 CFM	4450 CFM	10,600 CFM	12,700 CFM	14,310 CFM	5000 CFM	7735 CFM
OCTAVE BAND CENTER FREQUENCY (HZ)	SECOND	SECOND	SECOND	SECOND	SECOND	SECOND	SECOND
MINIMUM DYNAMIC INSERTION LOSS (DB)	9 dba	9 dba	9 dba	9 dba	9 dba	9 dba	9 dba
FACE VELOCITY FPM	832 F.P.M.	742 F.P.M.	884 F.P.M.	1058 F.P.M.	928 F.P.M.	1000 F.P.M.	961 F.PM.
APPROXIMATE SIZE	72" × 3Ø"	48" × 18"	72" × 24"	72" × 24"	72" × 3Ø"	30" × 24"	48" × 24"
LENGTH	3'-0"	3'-@"	3'-0"	3'-@"	3'-@"	3'-@"	3'-@"

LOCATION	SPA - A108	SPA - A144	SPA - BIØ8	SPA - B147	SPA - C108	SPA - C147	SPA - D108	SPA - D144
HEATING DEVICE	ELEC. RAD. PANEL							
SIZE	(2) • 2' × 2'	(2) ● 2' × 2'	(2) ● 2' × 2'	(2) • 2' × 2'	(2) • 2' × 2'	(2) @ 2' × 2'	(2) ● 2' × 2'	(2) • 2' × 2'
BTUH	1200 BTU EACH							
GPM	375 WATTS							
CONTROL	BY DIV. 16							
NOTES	LAY-IN							

PRY NUMBER	P.R.V. * 1	P.R.V. • 2	P.R.V. * 3	P.R.V. * 4
SYSTEM	KITCHEN EXHAUST	DISHWASHER EXHAUST	LAUNDRY SIII	MECH. 9105
CFM	SIDO CFM	600 CFM	1100 CFM	1500 CFM
6.P.	2"	1 1/4"	1"	"
H.P.	7 1/2 H.P.	1/3 H.P.	1/3 H.P.	1/2 H.P.
CURRENT	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-0
MODEL	UP - BLAST	UP-BLAST	BELT DRIVE	BELT DRIVE

VERIFY W/ UNIT MFG. VERIFY W/ UNIT MFG. VERIFY W/ UNIT MFG.

ROOF-TOP UNIT *1 ROOF-TOP UNIT *2 ROOF-TOP UNIT *3 ROOF-TOP UNIT *4

EXHAUST FAN	I SCHEDULE						,									
		EVILEAN #2	EXH. FAN * 3	EXH. FAN * 4	EXH. FAN * 5	EXH. FAN + 6	EXH. FAN * 1	EXH. FAN * 8	EXH. FAN * 9	EXH. FAN * 10	EXH. FAN * II	EXH. FAN * 12	EXH. FAN * 13	EXH. FAN * 14	EXH. FAN * 15	EXH. FAN * 16
FAN NUMBER SYSTEM	EXH. FAN * 1 AREA A-I EXHAUST	EXH. FAN * 2 AREA A-2 EXHAUST	AREA B-I EXHAUST	AREA B-2 EXHAUST	AREA C-I EXHAUST	AREA C-2 EXHAUST	AREA D-I EXHAUST	AREA D-I EXHAUST	SHOWER - 5134	TOILET 5-131	TOILET RIØ4	TOILET RIIO	TOILET RIDE	BEAUTY R 105	OXYGEN 5102	TOILET RI44
CEM	1445	1275	1445	1175	1175	1275	1275	1445	150	15	180	180	140	550	150	75
5P	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"						ļ"		
	3/4 H.P.	3/4 H.P.	3/4 H.P.	3/4 H.P.	3/4 H.P.	3/4 H.P.	3/4 H.P.	3/4 H.P.	1/20	1/20	1/20	1/20	1/20	1/4	1/20	1/20
CURRENT	480/60/3	480/60/3	480/60/3	480/60/3	480/60/3	480/60/3	480/60/3	480/60/3	110/60/1	110/60/1	110/60/1	110/60/1	110/60/1	110/60/1	110/60/1	110/60/1
MODEL	MIXED FLOW - QSL	MIXED FLOW - QSL	MIXED FLOW - QSL	MIXED FLOW - QSL	MIXED FLOW - QSL	MIXED FLOW - QOL	MIXED FLOW - QSL	MIXED FLOW - QSL	BROAN QTXEI50	BROAN QTXE80	BROAN L200MG	BROAN L200MG	BROAN QTXEI50	MIXED FLOW - QSL	BROAN QTXEI50	BROAN QTX080

PUMP NUMBER	PUMP * 1	PUMP * 2	PUMP * 3	PUMP * 4	PUMP * 5	PUMP * 6	PUMP * T	PUMP * 8	PUMP • 9
LOCATION	MECH ROOM	MECH ROOM	MECH ROOM	MECH ROOM	MECH ROOM	MECH ROOM	MECH ROOM	MECH ROOM	MECH ROOM
SYSTEM	HYDRONIC HEATING	HYDRONIC HEATING	HYDRONIC HEATING	BOILER * I	BOILER * 2	BOILER * 3	RADIANT FLOOR	FUEL OIL	FUEL OIL
STYLE	BASE MOUNTED	BASE MOUNTED	BASE MOUNTED	IN-LINE	IN-LINE	IN-LINE	IN-LINE		
GPM	165	165	165	180	180	.180	15 G.P.M.	3 G.P.M.	3 G.P.M.
HEAD	60'	60'	60'	25'	25'	25'	50'	25 P.S.I.G.	25 P.S.I.G.
RPM	1750	1750	1750	1750	1750	1750	1750	1750	1750
MEDIA	30 % PROPYLENE	30 % PROPYLENE	30 % PROPYLENE	30 % PROPYLENE	30 % PROPYLENE	30 % PROPYLENE	30 % PROPYLENE	* 2 FUEL OIL	• 2 FUEL OIL
H.P.	5 H.P.	5 H.P.	5 H.P.	ų T	5 H.P.	5 H.P.	3/4 H.P.	2 H.P.	2 H.P.
CURRENT	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø	SEE SHEET ME-Ø
MODEL	2 1/2 BB	2 1/2 BB	2 1/2 BB	4×4×7	4×4×7	4×4×1	I I/2A		
NOTES	THREE SUCH * 50% OF LOAD	THREE SUCH * 50% OF LOAD	THREE SUCH	SERIES 80	SERIES 80	SERIES 80	SERIES 60	DUPLEX	DUPLEX

SPLIT SYSTEM AIR COND.					
ROOM NUMBER	DATA				
TYPE	SPLIT SYS.				
CFM	2 TON				
COOLING BTUH	23,000 BTUH				
HEATING BTUH					
HEATING MEDIA					
VOLT	SEE SHEET ME-1				
NOTES	2.25 KW				

BOILER SO	CHEDULE		
LOCATION	BOILER * 1 - MECH SIIT	BOILER * 2 - MECH SII	BOILER * 3 - MECH SII
MEDIA	HOT WATER	HOT WATER	HOT WATER
INPUT	2,070,000	2,070,000	2,070,000
OUTPUT	50 B.H.P.	50 B.H.P.	50 B.H.P.
STYLE	FULLY CONDENSING	HIGH EFFECENCY	HIGH EFFICENCY
FUEL	GAS	GAS - FUEL OIL	GAS - FUEL OIL
NOTES	3 H.P. BURNER	3 H.P. BURNER	3 H.P. BURNER
NOTES			

MIST HUMIDIFIER	
LOCATION	MECH ROOM BRIZE
SERVES	4 ROOF-TOP UNITS
CAPACITY	500* / HR
PUMP	3 H.P.
CURRENT	SEE SHEET ME-Ø
NOTES	SEE ROOF-TOP UNIT SCHEDULE

Horty Elving

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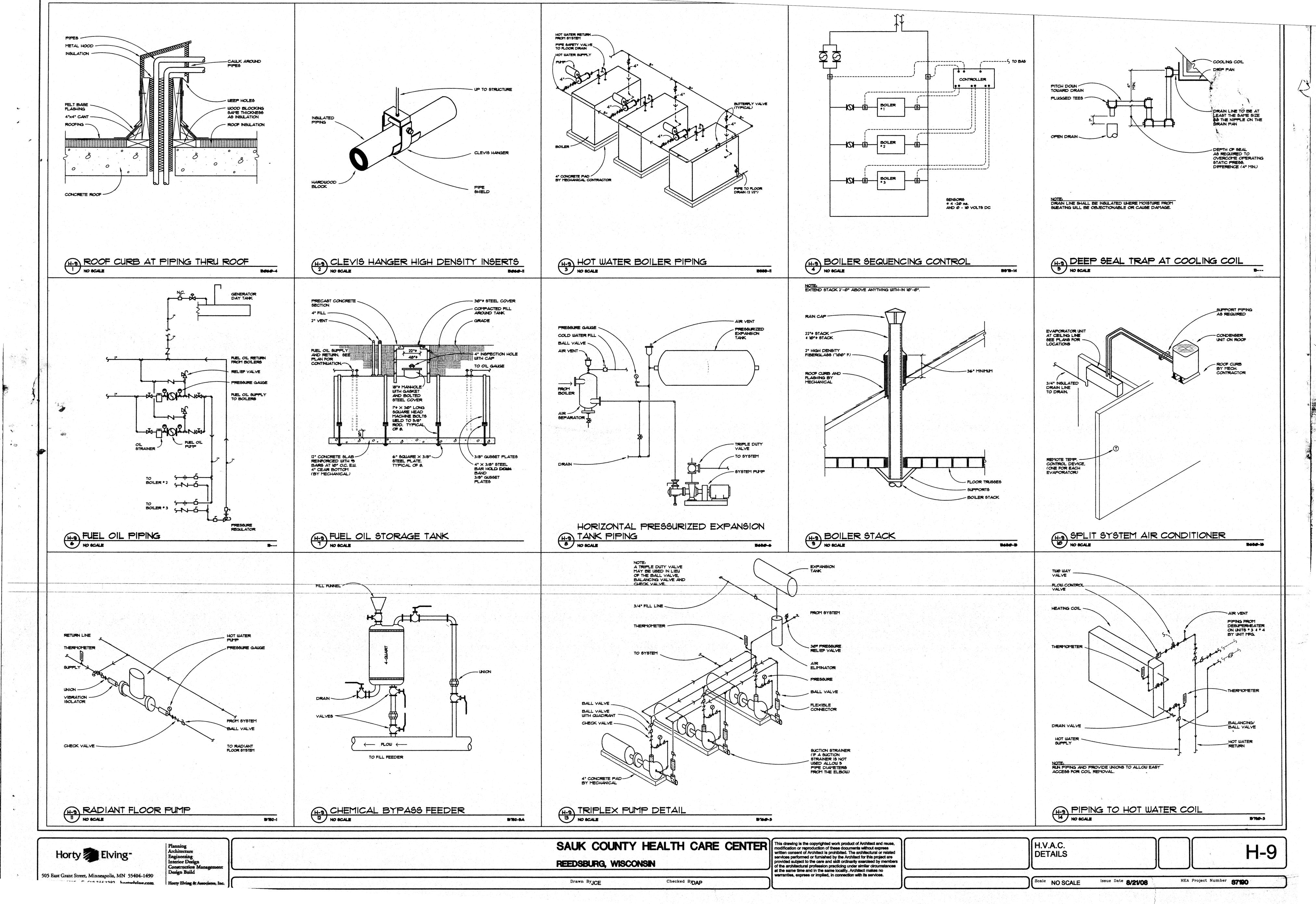
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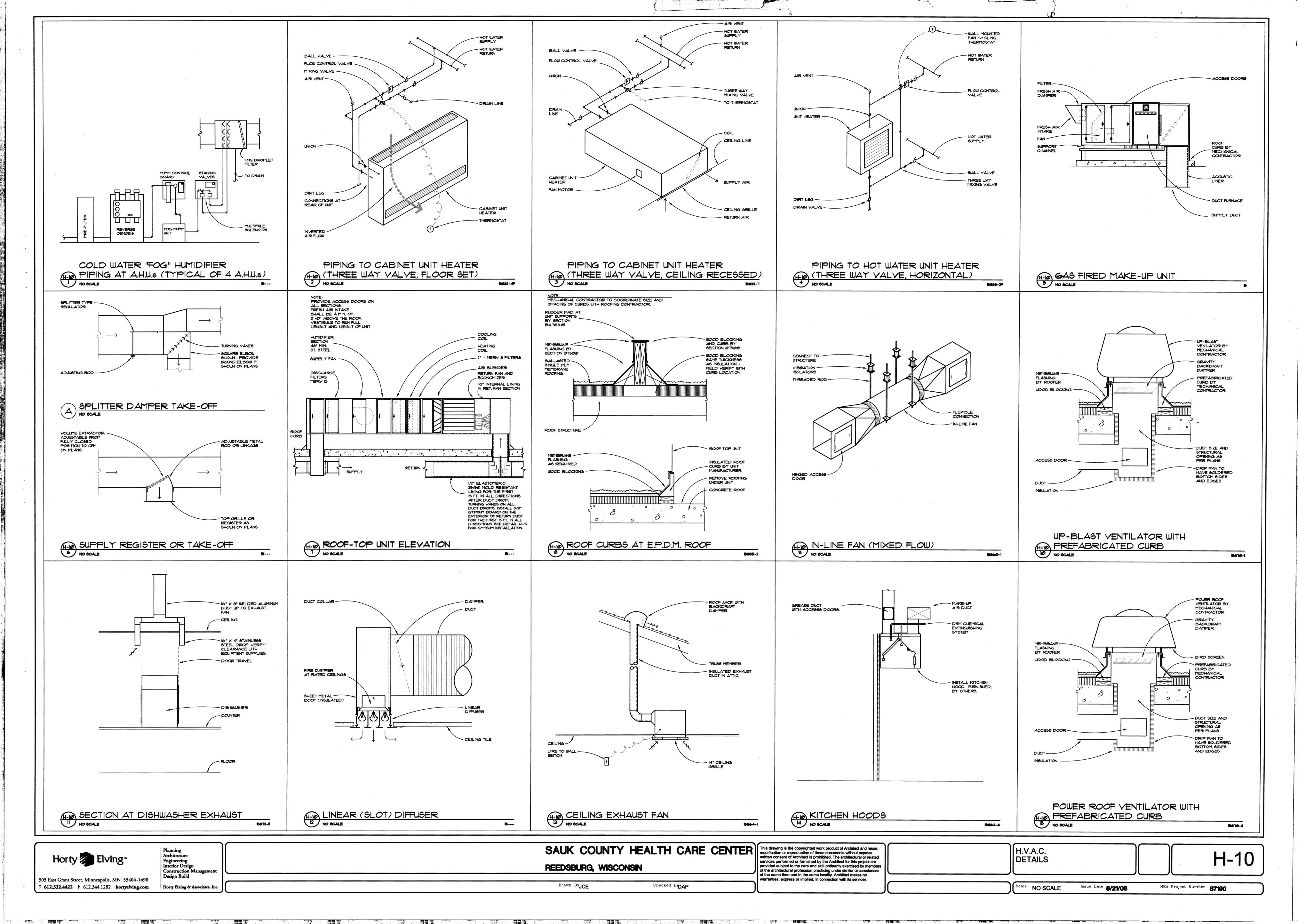
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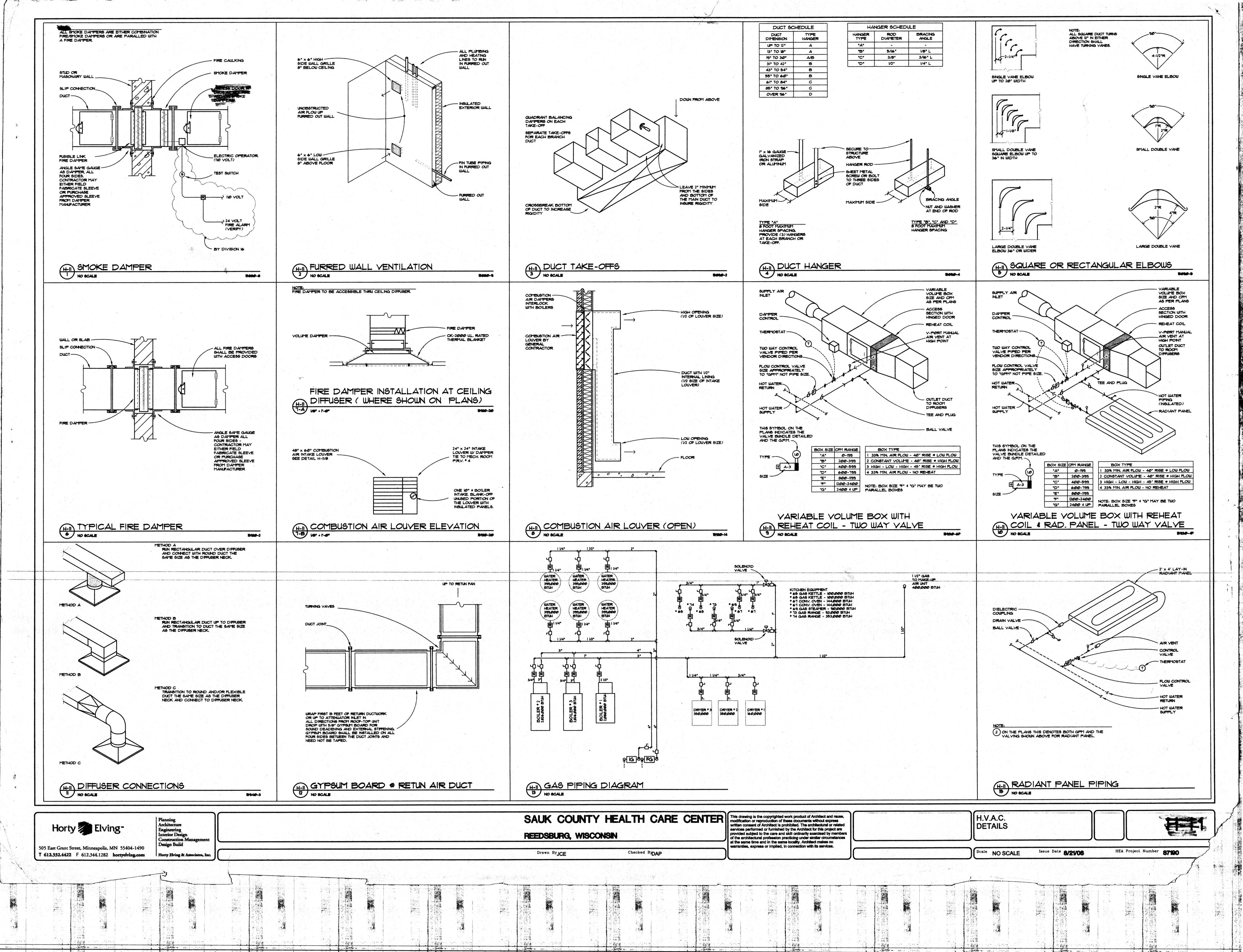
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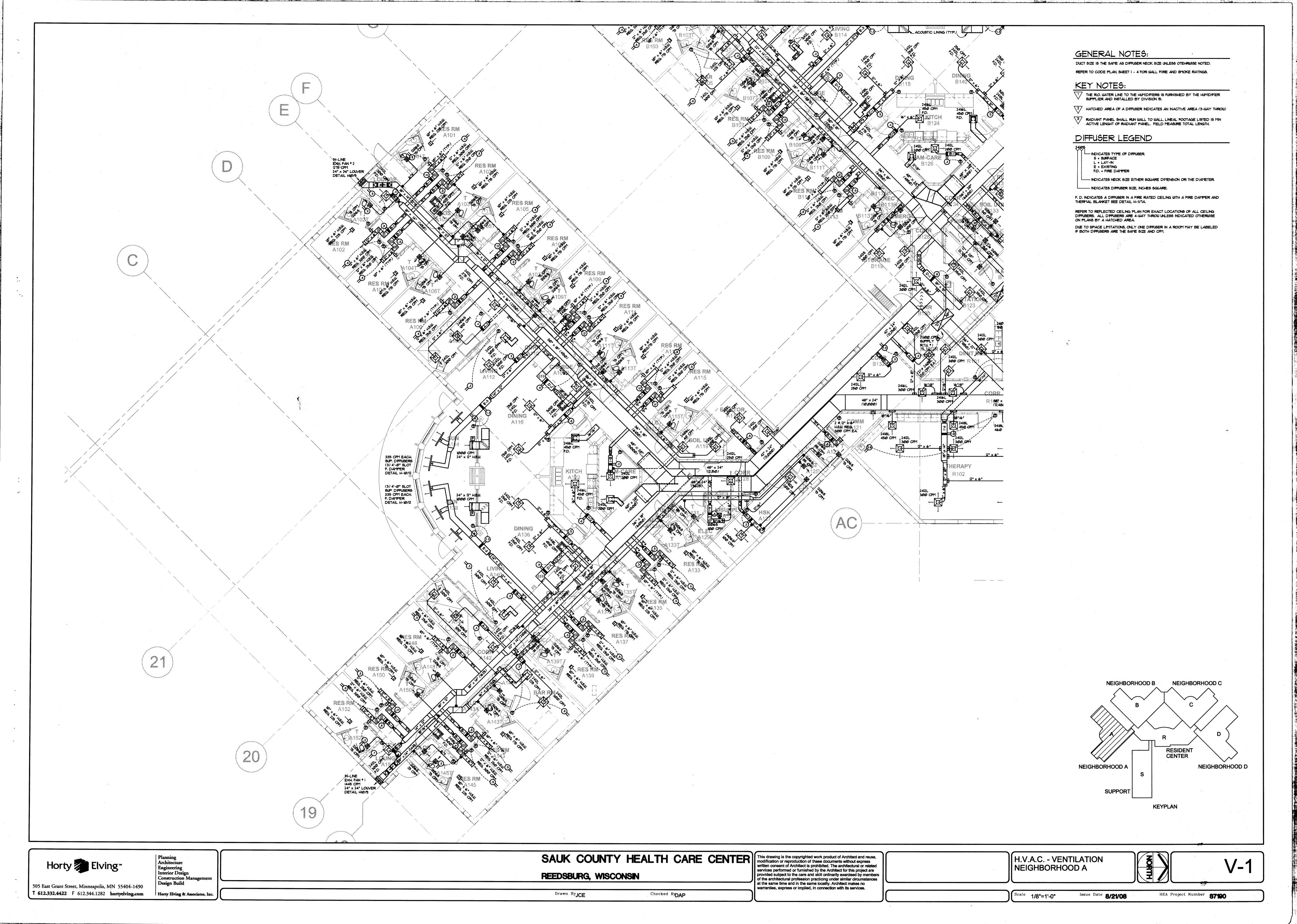
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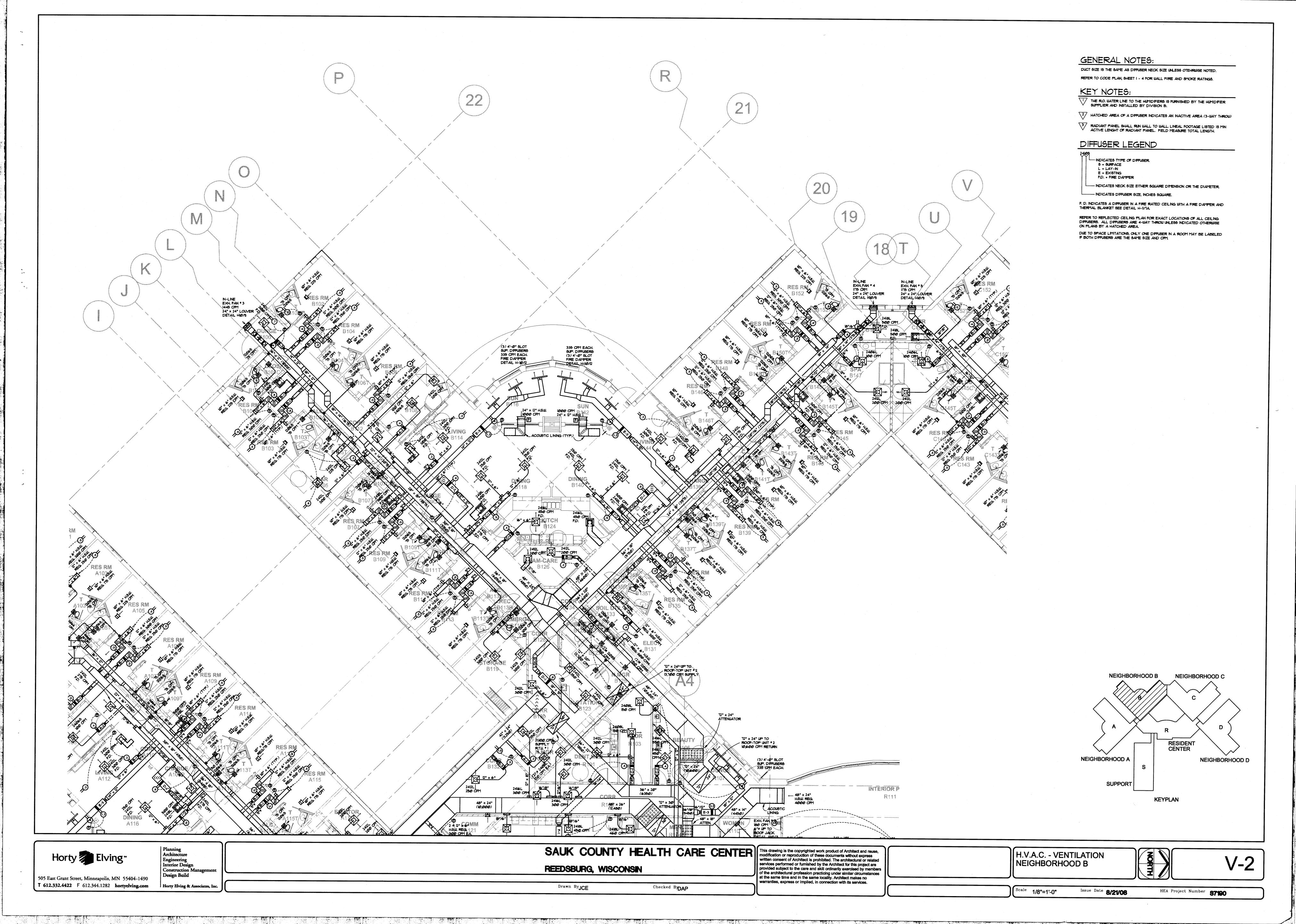
HEA Project Number 87190 Scale NO SCALE Issue Date **8/21/08** Checked ByDAP

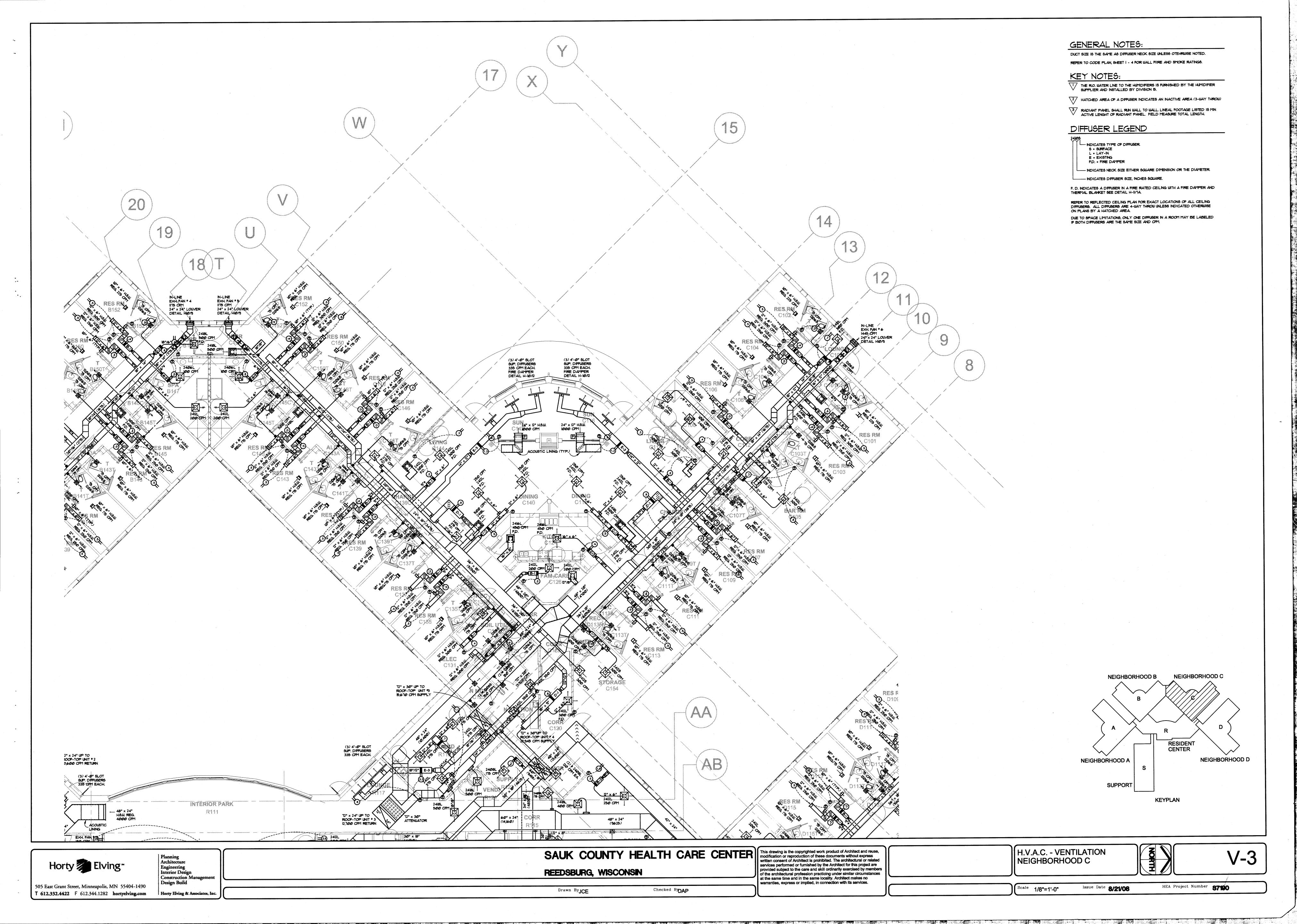


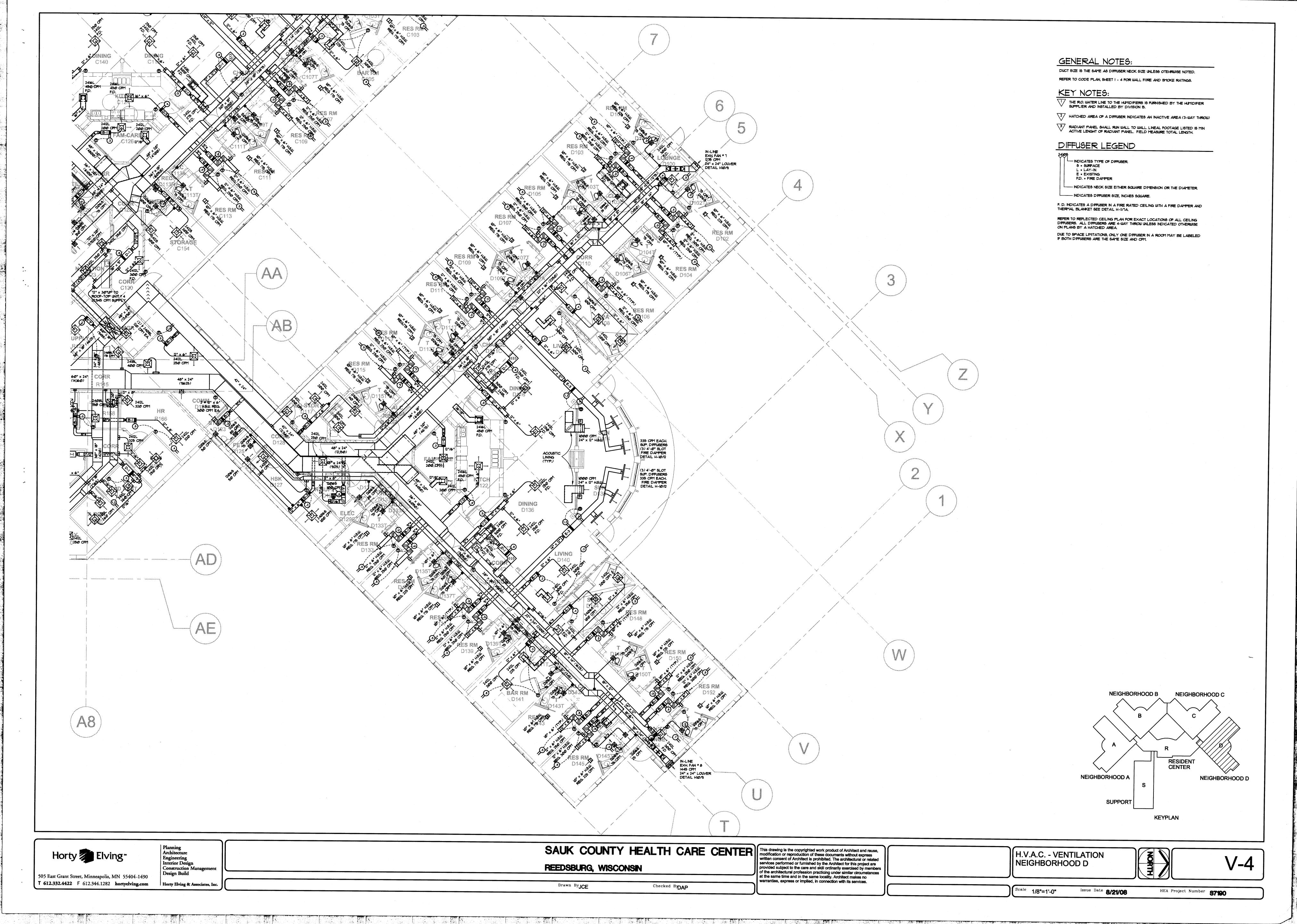


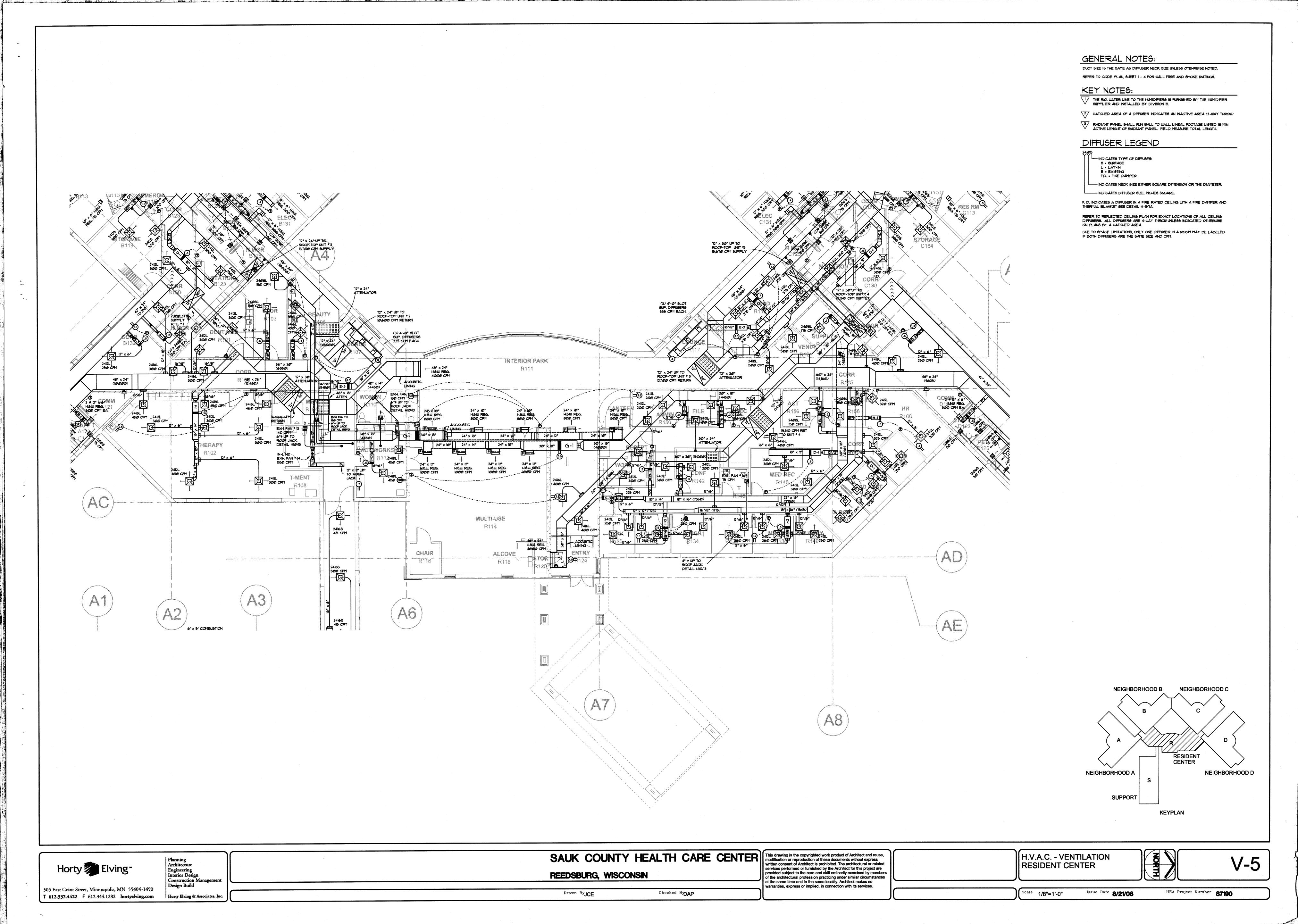


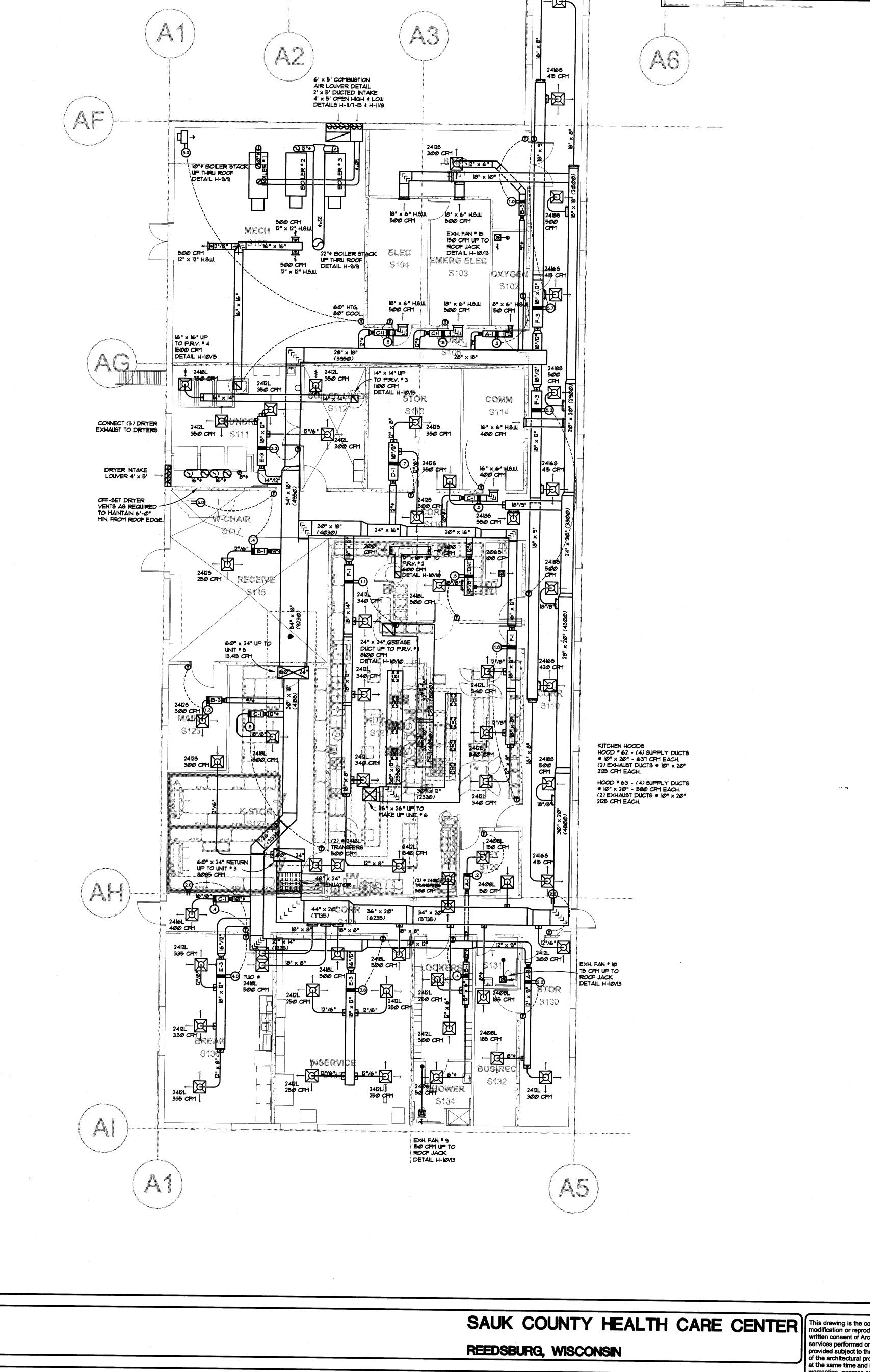












Drawn ByJCE

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RESIDENT CENTER NEIGHBORHOOD A NEIGHBORHOOD D

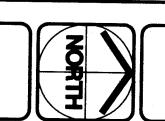
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H.V.A.C. - VENTILATION SUPPORT

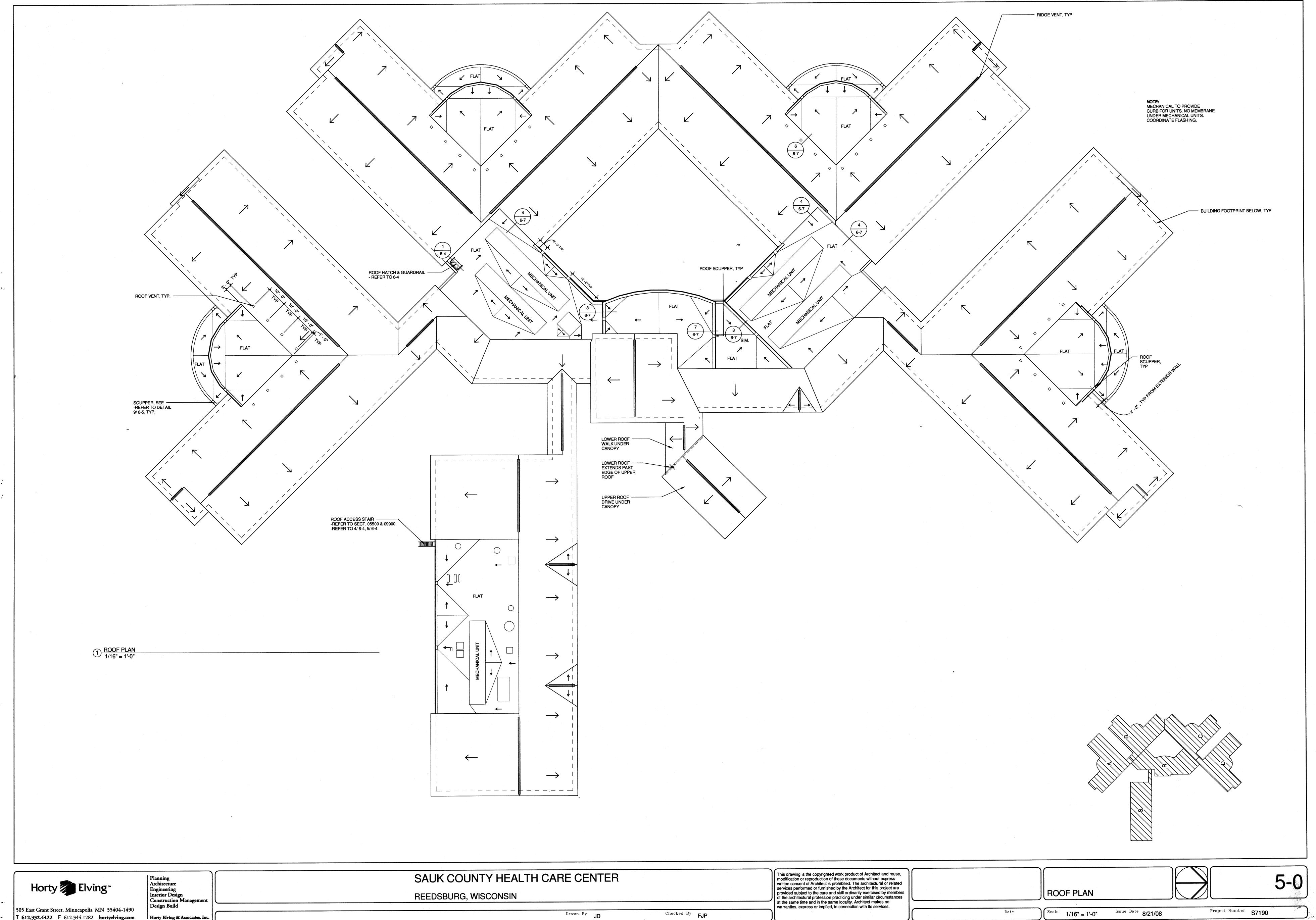


V-6

Scale 1/8"=1'-0"

HEA Project Number \$7190

Issue Date **8/21/08**



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Horty Elving & Associates, Inc.

Project Number S7190 Scale 1/16" = 1'-0"

