OWNER:

VERONA AREA SCHOOL DISTRICT
c/o MR. KENNETH KIETZKE
700 N. MAIN ST.
VERONA, WI 53593
(608) 8456-6451

PROJECT:

RENOVATION SUGAR CREEK ELEMENTARY SCHOOL

CHURCH AVE.
VERONA, WISCONSIN

LIST OF DRAWINGS

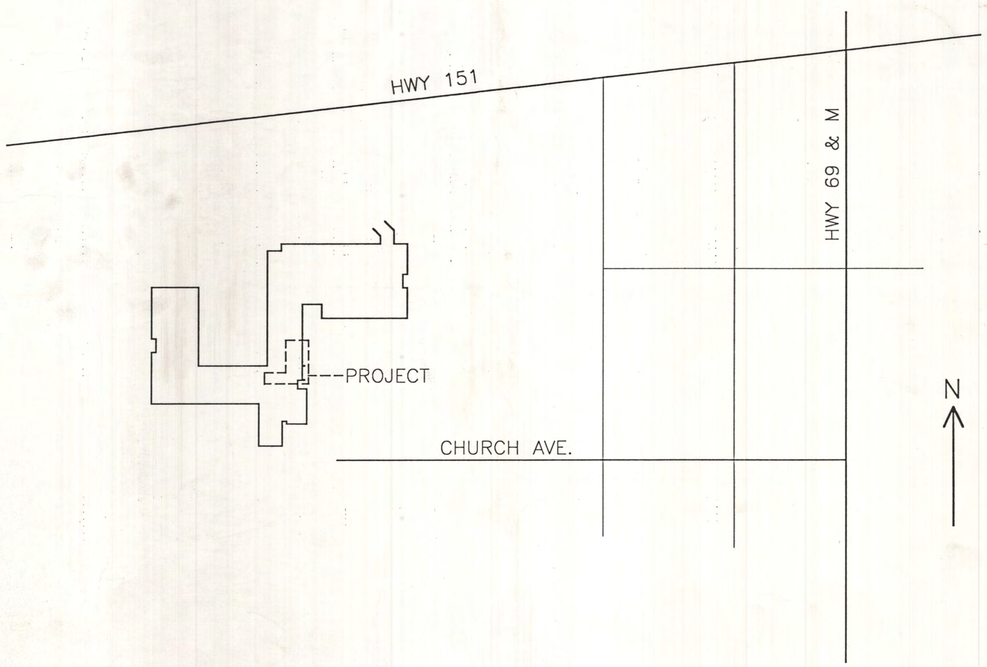
A1 TITLE SHEET
A2 DEMO PLAN
A3 FLOOR PLAN
A4 EXT. ELEVATION & BUILDING SECTIONS
A5 SCHEDULES & DETAILS

P1 PLUMBING DEMO & FOUNDATION PLAN
P2 PLUMBING FIRST FLOOR PLAN & DETAILS

H1 HVAC DEMO & NEW WORK PLANS
H2 HVAC SCHEDULES & DETAILS

VICINITY MAP

NOT TO SCALE



SYMBOLS

A	WINDOW SYMBOL
1	DOOR SYMBOL
5 A2	ELEVATION
5 A2	DETAIL
5 A2	SECTION
A	WALL TYPE

CONSULTANTS

PLUMBING & HVAC:
JEFF UHRIG, P.E.
507 LINDA RD.
MT. HOREB, WI 53572
608-437-8809

PROJECT ANALYSIS

OCCUPANCY	Chap. 56 Elementary School
CONSTRUCTION CLASS	Type 8
FIRE PROTECTION	Fire Alarm System
STORIES	One Story Existing
HEIGHT	11'-7" Existing
PARKING	Existing

RENOVATION'S GROSS S.F. FLOOR AREA

1st FLOOR	1,761

no.	date	description

▲ REVISIONS

GO/A Architects
6213 Middleton Springs Dr.
Middleton, WI 53562
608-831-5255

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TITLE SHEET

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SUGAR CREEK ELEMENTARY SCHOOL RENOVATION
CHURCH AVE.
VERONA, WISCONSIN

VERONA AREA SCHOOL DISTRICT
700 N. MAIN ST.
VERONA, WISCONSIN

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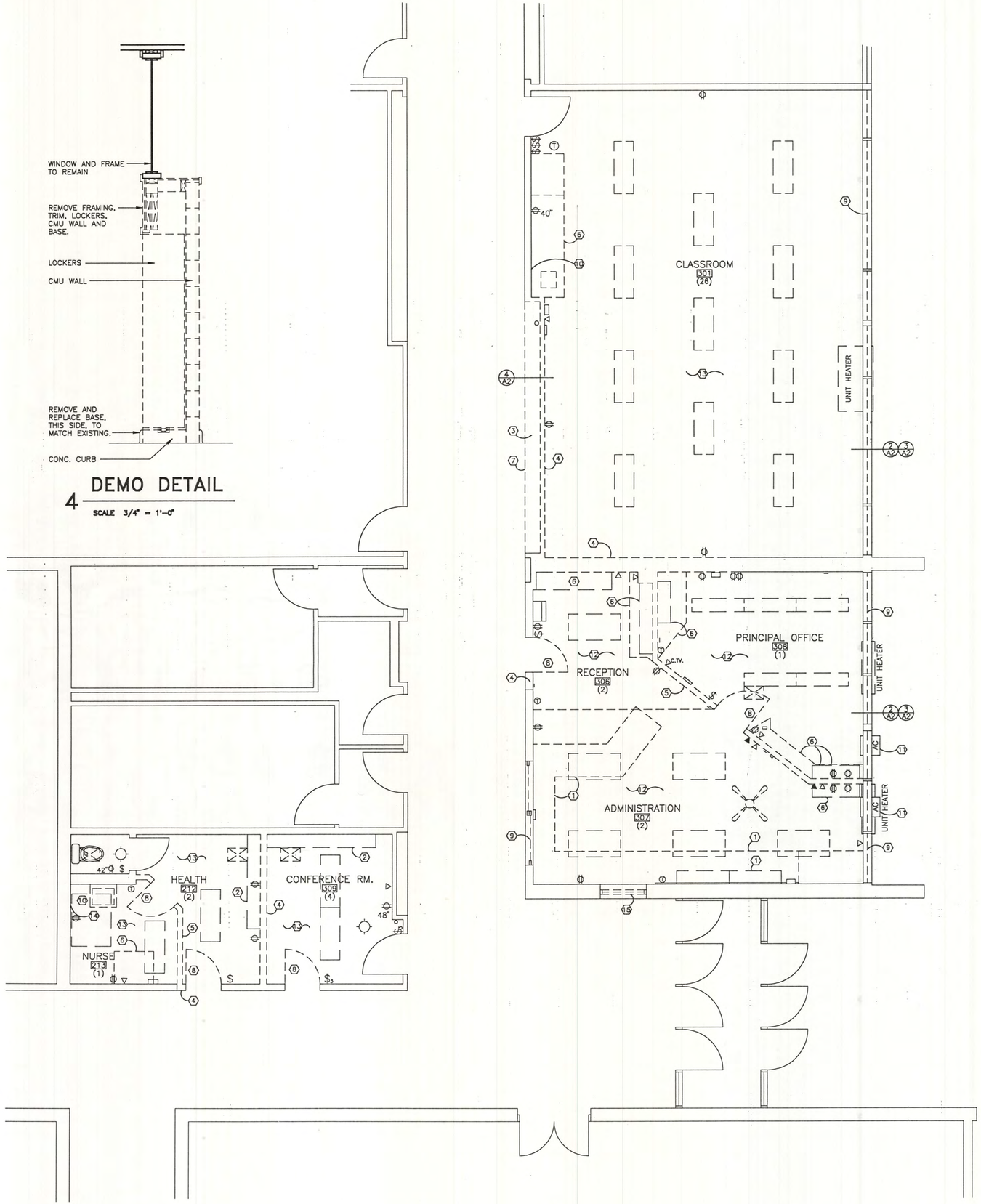
A1

4 DEMO DETAIL

SCALE 3/4" = 1'-0"



GENERAL DEMOLITION NOTES

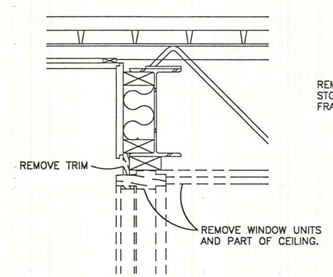
1. Field verify all existing conditions prior to demolition.
2. Remove items shown with dashed lines & as noted.
3. Replace or repair all existing construction scheduled to remain which is damaged during demolition.
4. Saw cut new openings in existing masonry walls.
5. All partitions being removed are CMU, unless otherwise noted.
6. Removal of all finish flooring & base by owner.
7. Removal of all tackboards & chalkboards, including glue, by owner.
8. See Mechanical sheets for demolition or relocation of Plumbing & HVAC items.
9. All Electrical demolition items shall be design/build by electrical contractor. Field verify all items. The symbols shown are schematic only and represent major items. Any additional requirements per code or other items not shown shall be the responsibility of the electrical contractor.
10. Asbestos abatement work shall be done by the owner. The contractor shall notify the owner of suspected materials.

ELECTRICAL SYMBOLS

- DUPLEX RECEPT.
- SWITCH
- 3-WAY SWITCH
- THERMOSTAT
- C.TV — CABLE TV
- TELEPHONE OR COMPUTER OUTLET
- FLOURESCENT LIGHT FIXTURE SURFACE OR RECESSED MOUNTED
- INCANDESCENT LIGHT FIXTURE SURFACE MOUNTED
- MASTER INTERCOM SYSTEM
- INTERCOM SPEAKER
- CLOCK

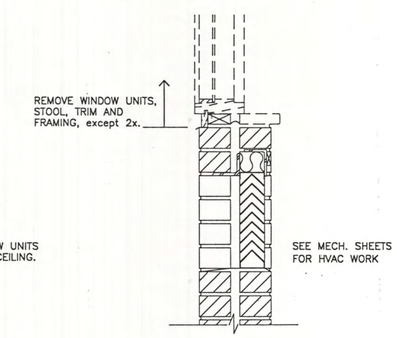
SPECIFIC DEMOLITION NOTES

1. Removal of cabinets and/or countertops, by owner.
2. Removal of ajustable shelves, by owner.
3. Remove concrete curb base at lockers.
4. Remove CMU & Gyp. Bd. wall, patch adjacent surfaces or end of remaining wall to match existing.
5. Remove Stud & Gyp. Bd. wall. Patch adjacent surfaces or end of remaining wall to match existing.
6. Remove cabinets and/or countertops.
7. Remove lockers.
8. Remove door(s), frame, & hardware.
9. Remove window and frame unit(s).
10. Remove mirrors, cabinets & all sink accessories.
11. Remove thru wall AC units.
12. Remove 2'x4' acoustical tile & t-bar suspended ceiling system.
13. Removal of 1'x2' acoustical T&G tile and furring channel ceiling system as required for new work.
14. Relocate medicine cabinet to new room 314.
15. Relocate window to west wall of room 311.



2 HEAD DETAIL

SCALE 3/4" = 1'-0"



3 SILL DETAIL

SCALE 3/4" = 1'-0"

1 FIRST FLOOR DEMO PLAN

SCALE 1/4" = 1'-0"

(X) = No. of Existing Occupants

N

no.	date	description

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6213 Middleton Springs Dr.
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DEMO PLANS

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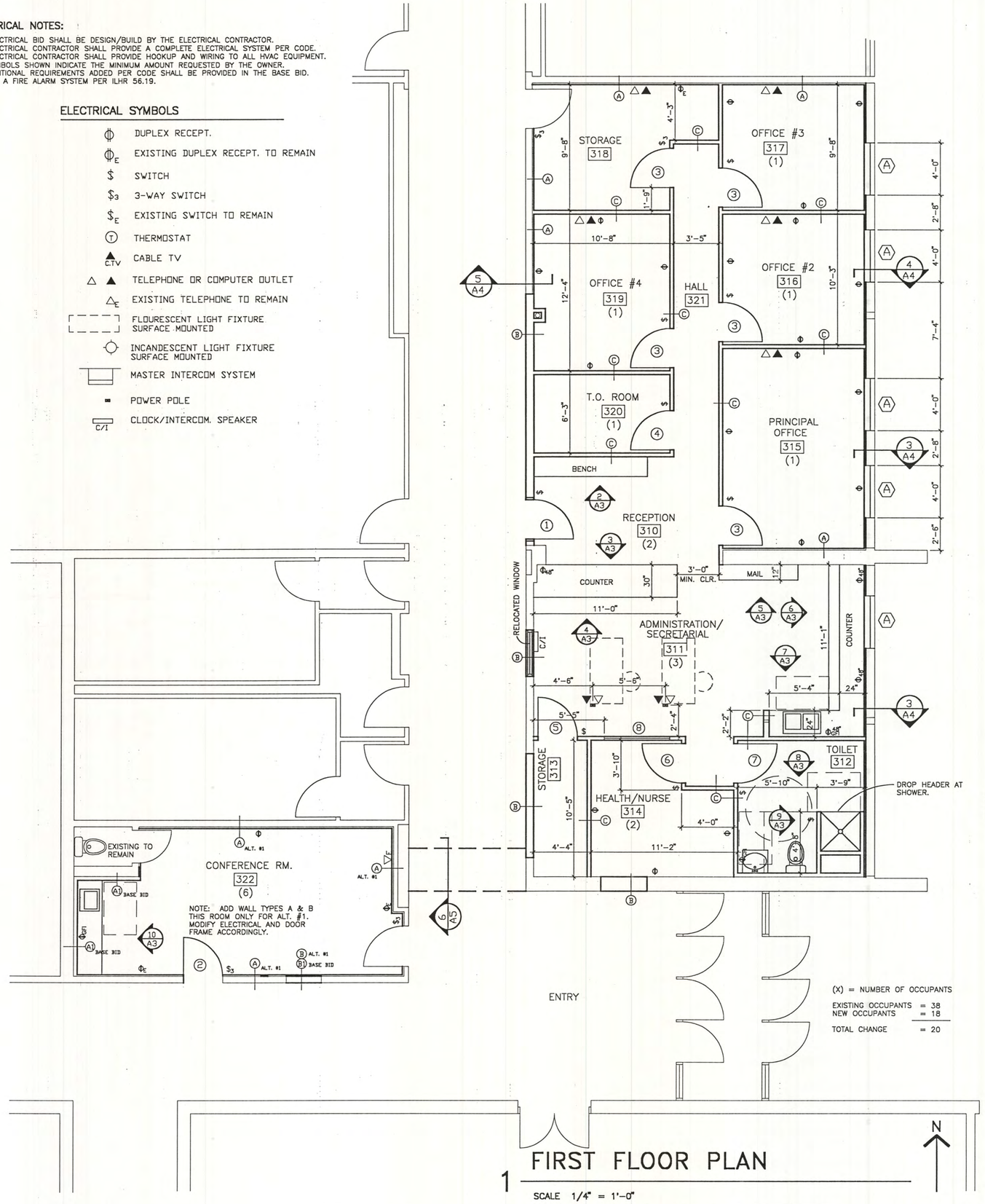
ELECTRICAL NOTES:

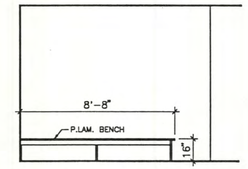
THE ELECTRICAL BID SHALL BE DESIGN/BUILD BY THE ELECTRICAL CONTRACTOR.
THE ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL SYSTEM PER CODE.
THE ELECTRICAL CONTRACTOR SHALL PROVIDE HOOKUP AND WIRING TO ALL HVAC EQUIPMENT.
THE SYMBOLS SHOWN INDICATE THE MINIMUM AMOUNT REQUESTED BY THE OWNER.
ALL ADDITIONAL REQUIREMENTS ADDED PER CODE SHALL BE PROVIDED IN THE BASE BID.
PROVIDE A FIRE ALARM SYSTEM PER ILHR 56.19.

ELECTRICAL SYMBOLS

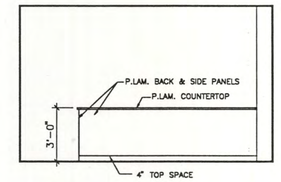
- DUPLEX RECEPT.
- EXISTING DUPLEX RECEPT. TO REMAIN
- SWITCH
- 3-WAY SWITCH
- EXISTING SWITCH TO REMAIN
- THERMOSTAT
- C.TV CABLE TV
- TELEPHONE OR COMPUTER OUTLET
- EXISTING TELEPHONE TO REMAIN
- FLOURESCENT LIGHT FIXTURE SURFACE MOUNTED
- INCANDESCENT LIGHT FIXTURE SURFACE MOUNTED
- MASTER INTERCOM SYSTEM
- POWER POLE
- C/I CLOCK/INTERCOM. SPEAKER



1 FIRST FLOOR PLAN
SCALE 1/4" = 1'-0"



2 INTERIOR ELEVATION
SCALE 1/4" = 1'-0"



3 INTERIOR ELEVATION
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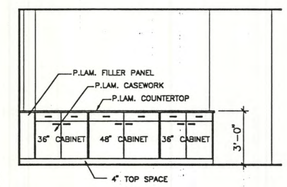
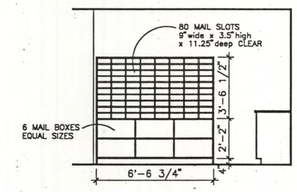


4 INTERIOR ELEVATION
SCALE 1/4" = 1'-0"



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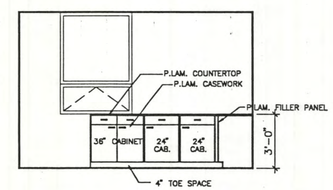
SCALE 1/4" = 1'-0"



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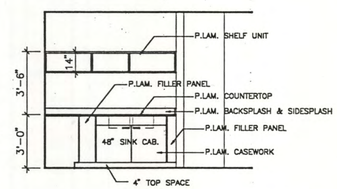
SCALE 1/4" = 1'-0"



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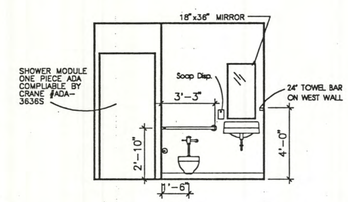
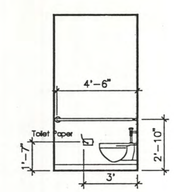
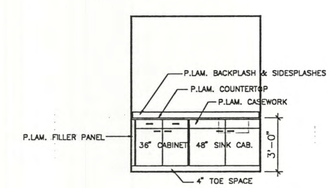
SCALE 1/4" = 1'-0"



8 INTERIOR ELEVATION
SCALE 1/4" = 1'-0"



9 INTERIOR ELEVATION
SCALE 1/4" = 1'-0"



10 INTERIOR ELEVATION
SCALE 1/4" = 1'-0"

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FIRST FLOOR PLAN

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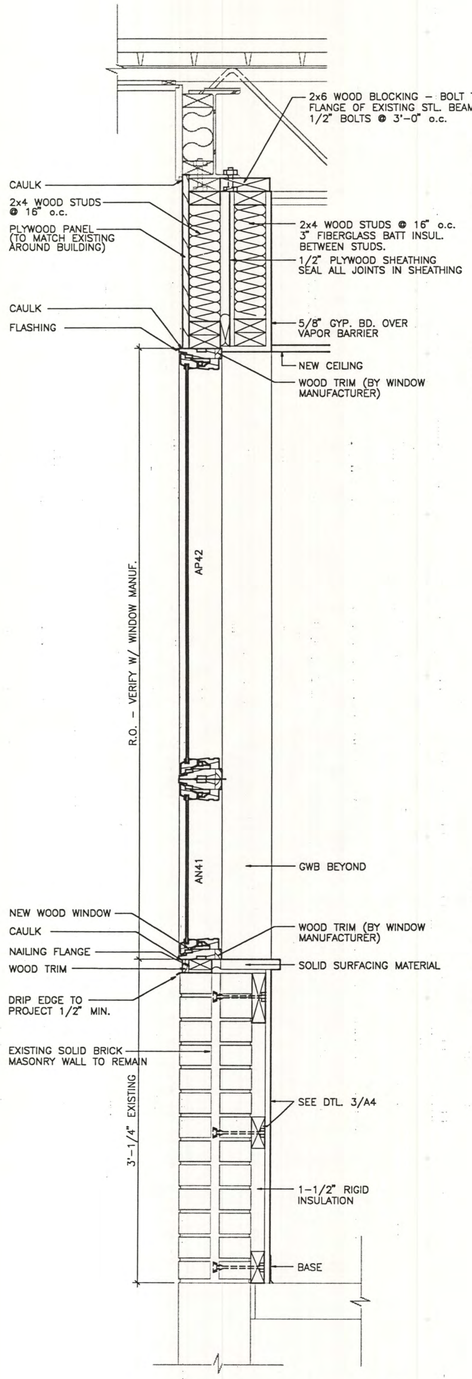
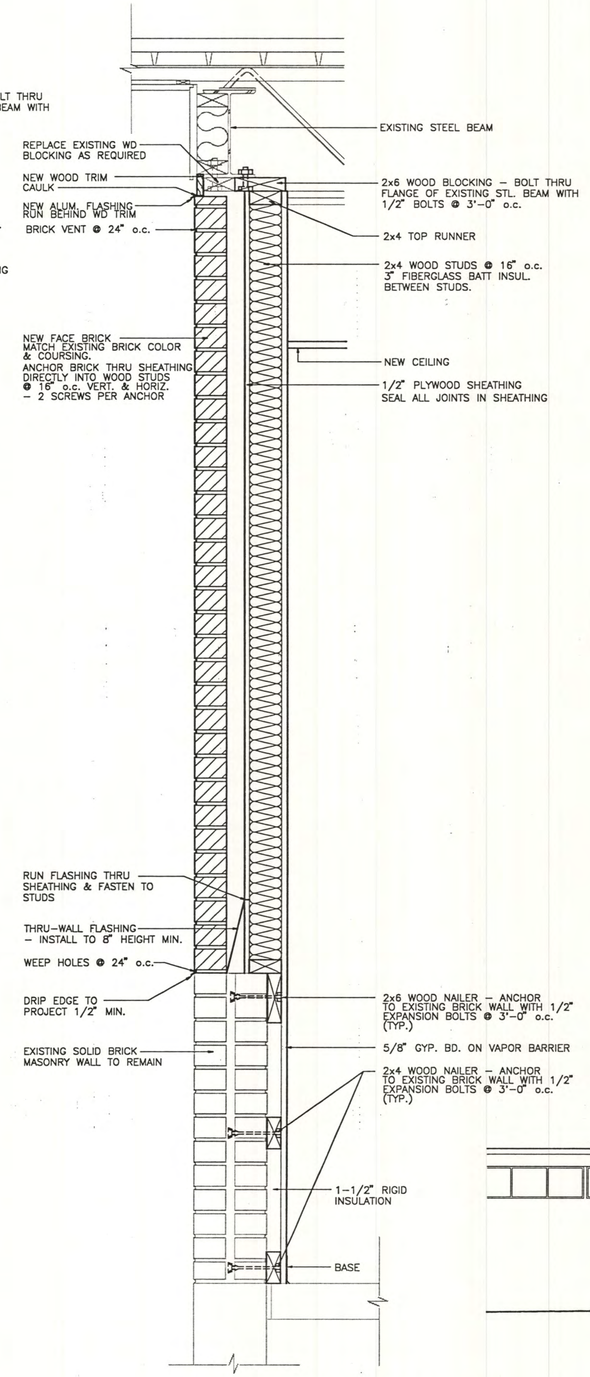


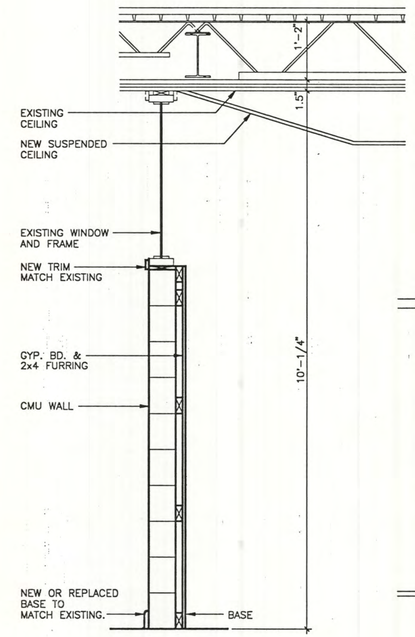
4 WALL SECTION

SCALE 1 1/2" = 1'-0"



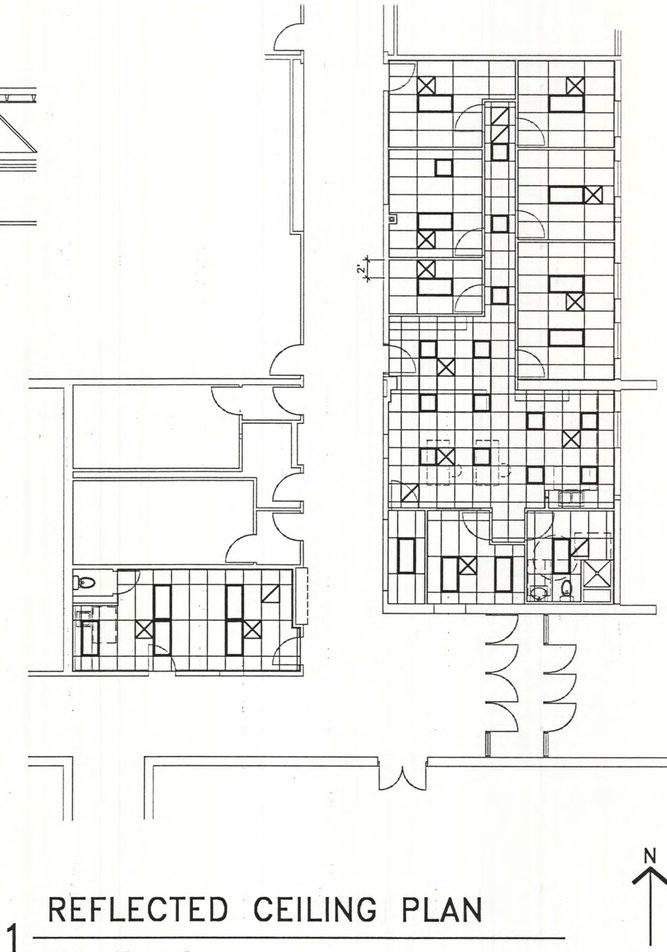
3 WALL SECTION

SCALE 1 1/2" = 1'-0"



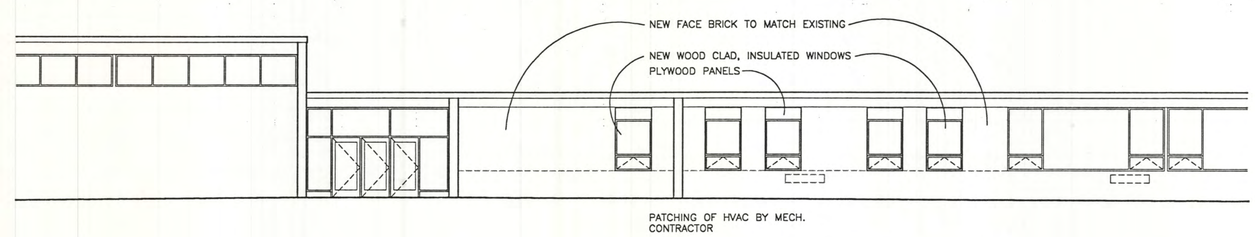
5 SECTION

SCALE 3/4" = 1'-0"



1 REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"



2 EAST ELEVATION

SCALE 1/8" = 1'-0"

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EXT. ELEVATION
REFLECTED CEILING PLAN

SHEET TITLE

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SCHOOL RENOVATION
CHURCH AVE.
VERONA, WISCONSIN

▲ PROJECT

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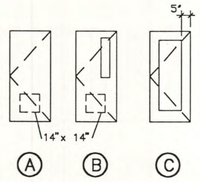
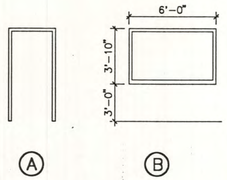


DOOR TYPES



FRAME TYPES

DOOR SCHEDULE

DOOR								FRAME								
MK.	SIZE			MAT	TYPE	GLASS	LOUVER	MAT	TYPE	DEPTH	DETAIL			HARDWARE GROUP	FIRE RATING	REMARKS
	WHD.	HT.	THK.								HEAD	JAMB	SILL			
1	3'-0"	6'-8"	1-3/4"	WD	C	A	-	H.M.	A	8 3/4	1/A5	2/A5	-	2		
2	3'-0"	6'-8"	1-3/4"	WD	A	-	-	H.M.	A	5 3/4	5/A5	5/A5	-	1		1
3	3'-0"	6'-8"	1-3/4"	WD	B	A	A	H.M.	A	5 3/4	3/A5	4/A5	-	1	-	
4	3'-0"	6'-8"	1-3/4"	WD	B	A	-	H.M.	A	5 3/4	3/A5	4/A5	-	1		2
5	3'-0"	6'-8"	1-3/4"	WD	A	-	-	H.M.	A	5 3/4	3/A5	4/A5	-	1		
6	3'-0"	6'-8"	1-3/4"	WD	A	-	A	H.M.	A	5 3/4	3/A5	4/A5	-	1		
7	3'-0"	6'-8"	1-3/4"	WD	A	-	A	H.M.	A	5 3/4	3/A5	4/A5	-	1		
8	-	-	-	-	-	-	-	H.M.	B	5 3/4	3/A5	4/A5	-	-		

NOTES:
1. ALL RATED DOORS SHALL BE COMPLETE ASSEMBLIES, INCLUDING DOOR, FRAME, ANCHOR, & CLOSER.

MATERIALS:
WD - WOOD
H.M. - HOLLOW METAL
ALUM. - ALUMINUM

LOUVER
A - SIGHTPROOF
B - ADJUSTABLE
C - LIGHTPROOF

GLASS
A - 1/4" TEMPERED PLATE, CLEAR
B - 1/4" POLISHED PLATE WIRE
C - 3/4" INSULATED TEMPERED, CLEAR

REMARKS:
1. ALT. #1 = 8-3/4" FRAME DEPTH.
2. UNDERCUT DOOR 1".

MANUFACTURERS AS LISTED:
HINGES - HAGER
LOCKSETS - BEST, by owner

STOPS,HOLDERS - GLYNN-JOHNSON
SILENCERS - GLYNN-JOHNSON

HARDWARE GROUP 1:
1 1/2 PAIR HINGES - BB1279
1 LOCKSET - BY OWNER
1 STOP - WB11
3 SILENCERS - GJ64

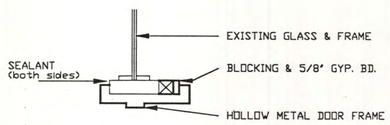
HARDWARE GROUP 2:
1 1/2 PAIR HINGES - BB1279
1 LOCKSET - BY OWNER
1 STOP - 310
3 SILENCERS - GJ64

GENERAL INFORMATION:
HINGE SIZE - 4 1/2 x 4 1/2
LOCK DESIGN - LEVER TYPE
MATERIAL FINISH - 626

ROOM FINISH SCHEDULE

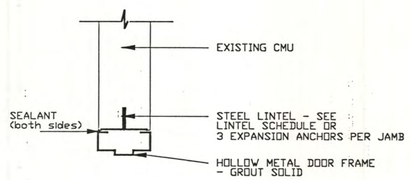
#	ROOM NAME	FLOOR		BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		CEILING HGT.	REMARKS
310	Reception	F1		B1		W2		W2		-		W2		C1		8'-8"	
311	Administration	F1		B1		W2		W2		W2		W3		C1		8'-8"	-
312	Toilet	F2		B2		W2		W2		W2		W2		C1		8'-8"	
313	Storage	F2		B1		W2		W2		W2		W2		C1		8'-8"	
314	Health	F2		B1		W2		W2		W3		W2		C1		8'-8"	
315	Principal Office	F1		B1		W2		W2		W2		W2		C1		8'-8"	
316	Office #2	F1		B1		W2		W2		W2		W2		C1		8'-8"	
317	Office #3	F1		B1		W2		W2		W2		W2		C1		8'-8"	
318	Storage	F1		B1		W2		W2		W2		W2		C1		8'-8"	
319	Office #4	F1		B1		W2		W2		W2		W2		C1		8'-8"	
320	T.O. Room	F2		B1		W2		W2		W2		W2		C1		8'-8"	
321	Hall	F1		B1		W2		W2		-		W2		C1		8'-8"	
322	Conference Rm.	F1		B1		W4		W4		W4		W4		C1		9'-0"	

FINISHES:
F1- CARPET
F2- VCT
B1- VINYL
B2- CERAMIC TILE
W1- CMU, painted
W2- GYP. BOARD, painted
W3- EXISTING GYP. BD, painted
W4- EXISTING CMU, painted
C1- ACOUSTICAL TILE
C2- GYP. BOARD, painted



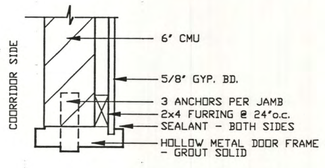
1 HEAD DETAIL

SCALE 1 1/2" = 1'-0"



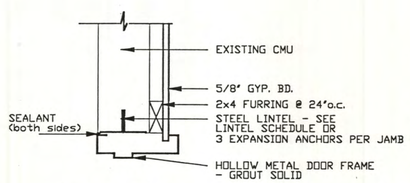
5 HEAD/JAMB DETAIL

SCALE 1 1/2" = 1'-0"



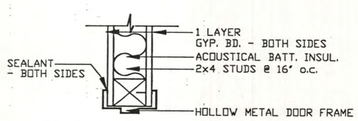
2 JAMB DETAIL

SCALE 1 1/2" = 1'-0"



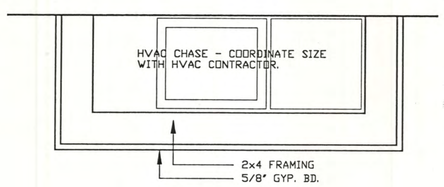
5A HEAD/JAMB DETAIL (ALT. #1)

SCALE 1 1/2" = 1'-0"



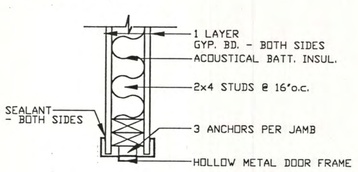
3 HEAD DETAIL

SCALE 1 1/2" = 1'-0"



6 SECTION

SCALE 1 1/2" = 1'-0"



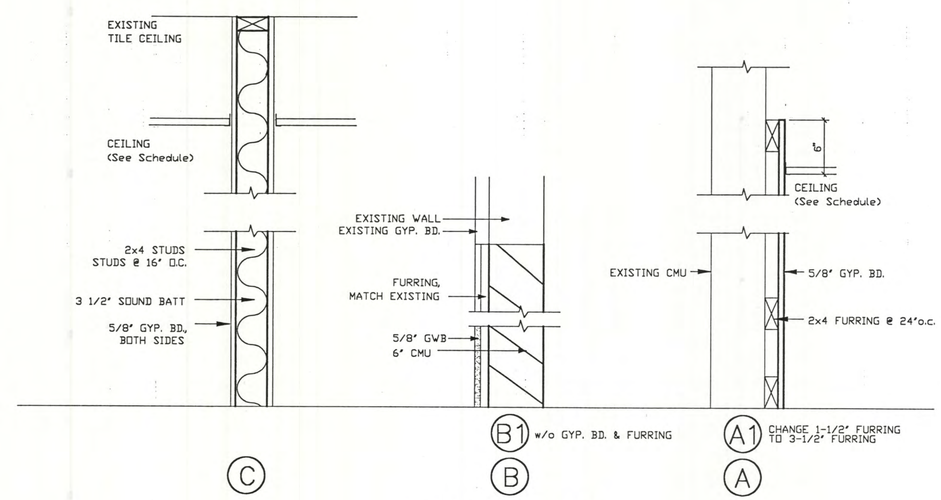
4 JAMB DETAIL

SCALE 1 1/2" = 1'-0"

LOOSE STEEL LINTEL SCHEDULE

WALL THK.	CLEAR MASONRY OPENING WIDTH	SECTION
6"	to 5'-0"	2- L 3 1/2 x 2 1/2 x 1/4 LLV
6"	to 7'-0"	WT 4 x 10.5
6"	to 9'-0"	WT 7 x 11

NOTES:
1. PROVIDE 8" BEARING AT EACH END OF LINTEL.
2. GROUT BLOCK CORES SOLID 3 COURSES BELOW LINTEL BEARING.
3. NO LINTELS ARE REQUIRED FOR 4' AND 6' NON-BEARING MASONRY WALLS WHERE GROUTED HOLLOW METAL FRAMES HAVE A HEADSPAN OF 4'-0" OR LESS.



WALL TYPES

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WALL TYPES & SCHEDULES

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SCHOOL RENOVATION
CHURCH AVE.
VERONA, WISCONSIN

VERONA AREA SCHOOL DISTRICT
700 N. MAIN ST.
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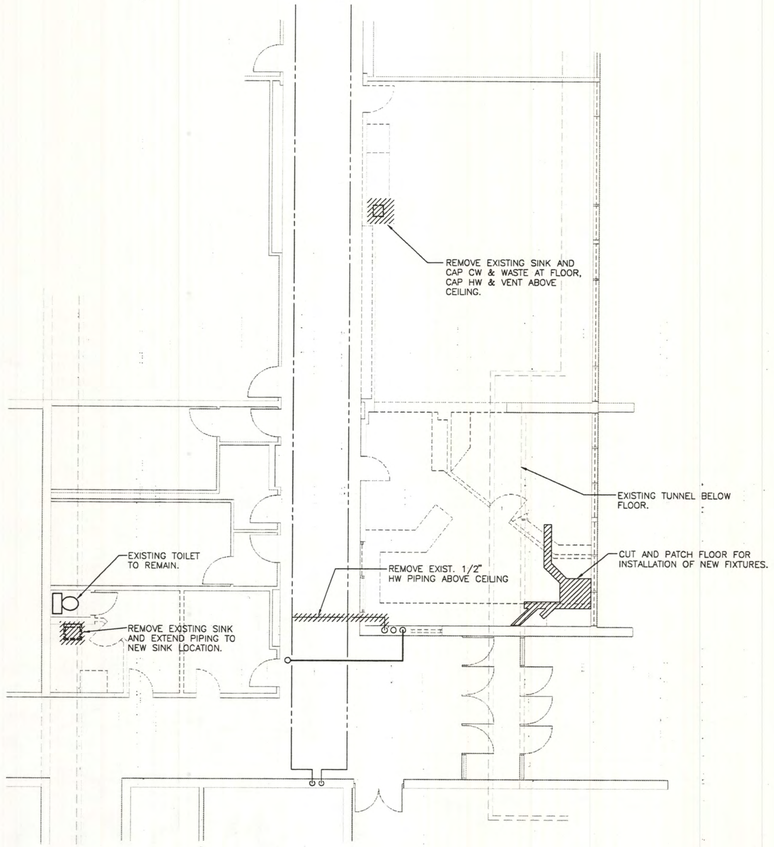
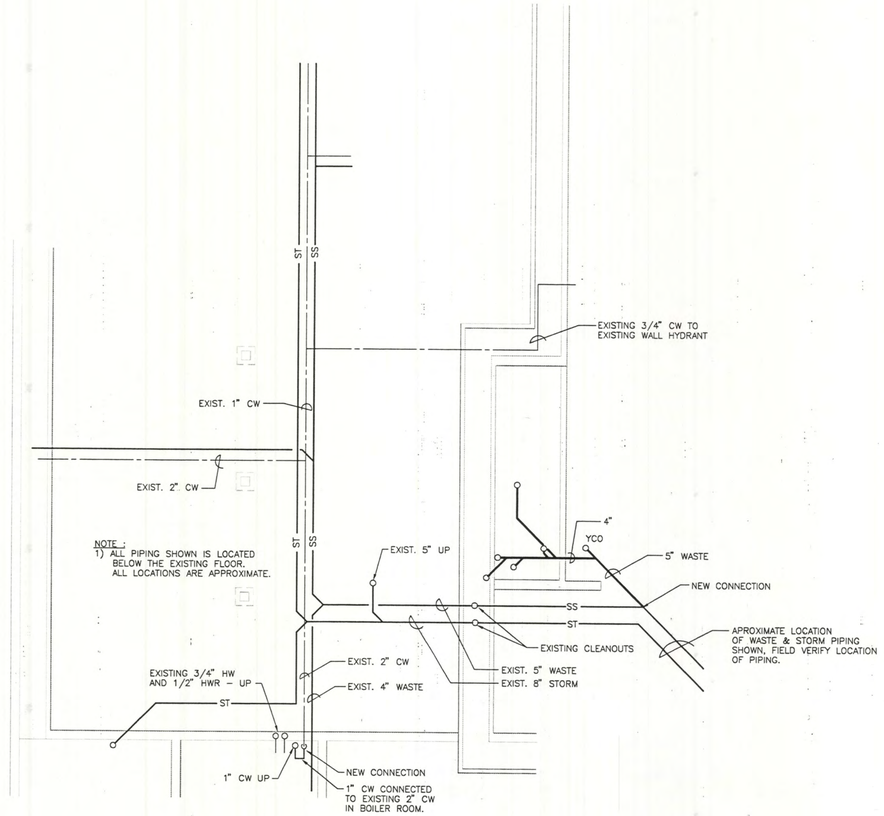


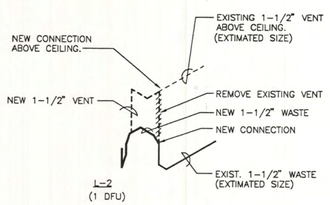
PLUMBING DEMO FLOOR PLAN

1/8" = 1'-0"



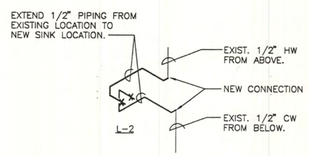
PLUMBING BASEMENT FLOOR PLAN

1/8" = 1'-0"



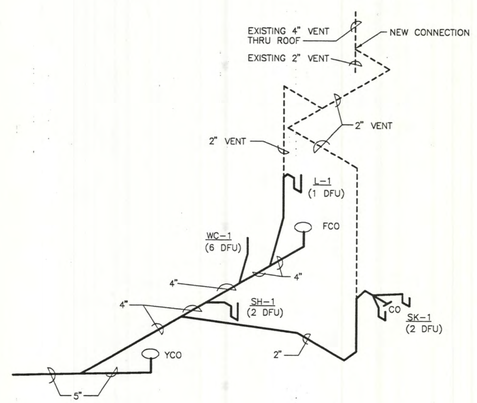
WASTE & VENT ISOMETRIC

NOT TO SCALE



WATER SUPPLY ISOMETRIC

NOT TO SCALE



WASTE & VENT ISOMETRIC

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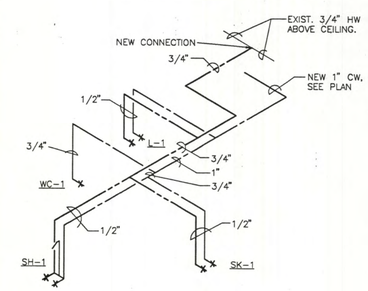

WATER SUPPLY ISOMETRIC

NOT TO SCALE

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PLUMBING DEMO AND FOUNDATION PLAN

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SCHOOL RENOVATION
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VERONA AREA SCHOOL DISTRICT
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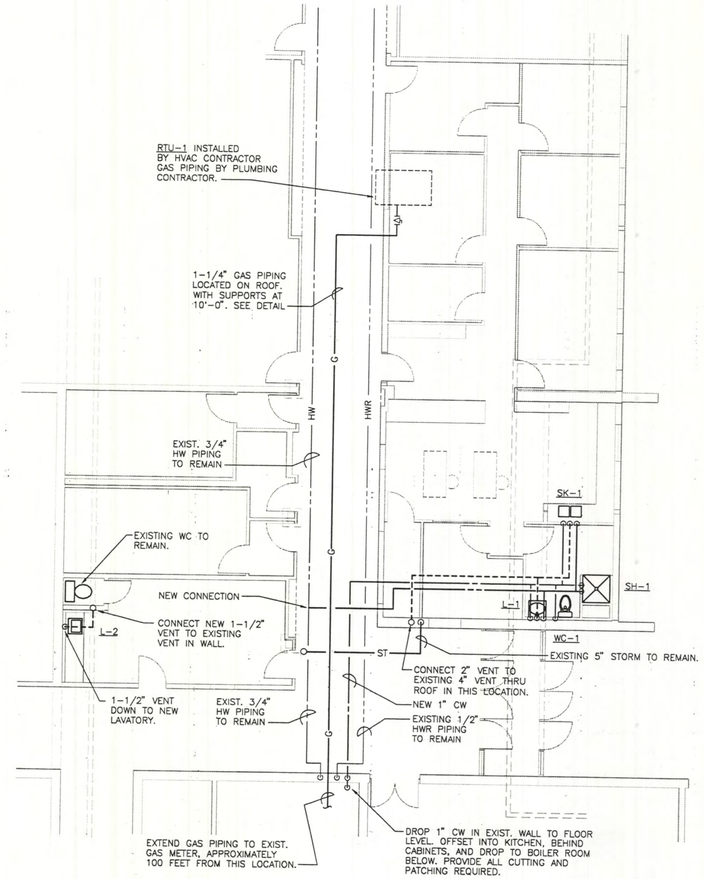
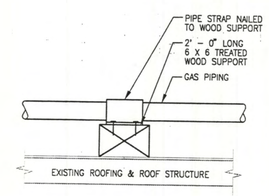


PLUMBING FIRST FLOOR PLAN

1/8" = 1'-0"



1 / P2 GAS PIPE SUPPORT DETAIL

NO SCALE

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PLUMBING FIRST FLOOR PLAN AND DETAILS

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VERONA, WISCONSIN

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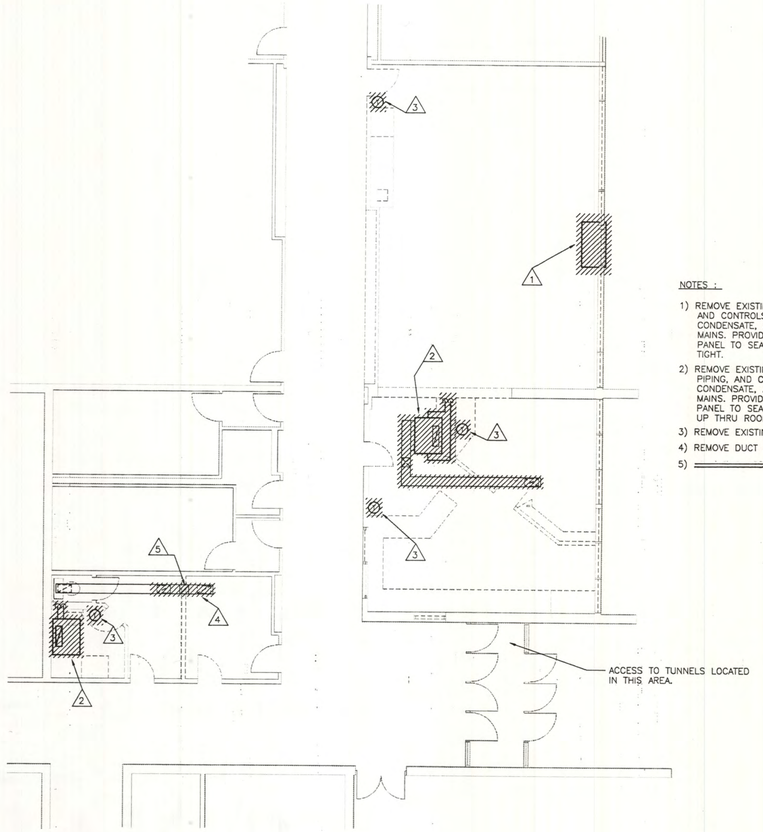
P2



NOTES :

1) REMOVE EXISTING UNIT VENTILATOR, PIPING AND CONTROLS COMPLETE. CAP STEAM, CONDENSATE, AND CONTROL PIPING AT MAINS. PROVIDE INSULATED METAL BLANK-OFF PANEL TO SEAL EXISTING LOUVER WATER TIGHT.

2) REMOVE EXISTING CEILING MT. UNIT HEATER, PIPING, AND CONTROLS COMPLETE. CAP STEAM, CONDENSATE, AND CONTROL PIPING AT MAINS. PROVIDE INSULATED METAL BLANK-OFF PANEL TO SEAL EXISTING DUCT THAT EXTENDS UP THRU ROOF.

3) REMOVE EXISTING THERMOSTAT AND PIPING.

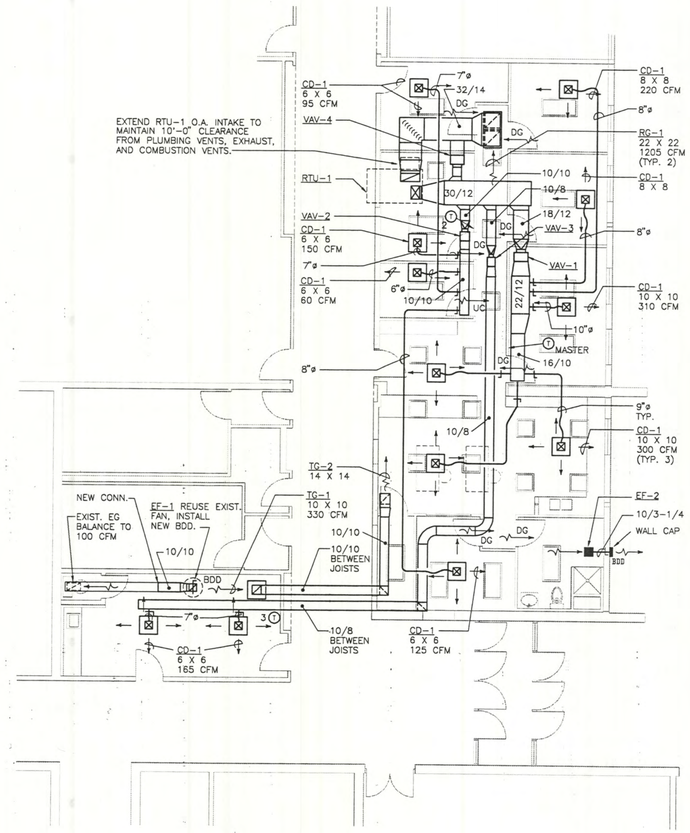
4) REMOVE DUCT AND GRILLES AS INDICATED.

5)

HVAC DEMO FLOOR PLAN

1/8" = 1'-0"

NORTH



HVAC FLOOR PLAN

1/8" = 1'-0"

NORTH

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HVAC DEMO AND NEW WORK PLANS

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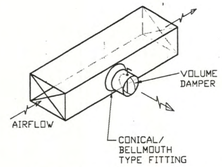
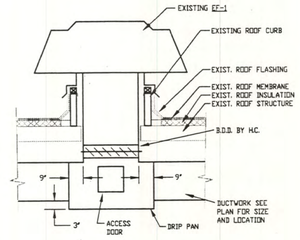
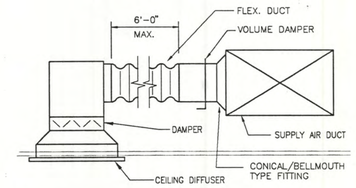


NOTE: WHERE DUCT HEIGHT DOES NOT PERMIT USE OF CONICAL/BELLMOUTH TYPE FITTING AS INDICATED ABOVE PROVIDE RECTANGULAR TAKEOFF WITH 45° THROAT AND RECTANGULAR TO ROUND TRANSITION.

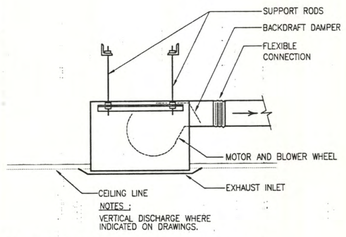
7/H2 BRANCH DUCT TAKEOFF (ROUND)
NO SCALE



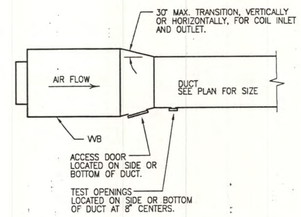
4/H2 ROOF EXHAUST FAN DETAIL
NO SCALE



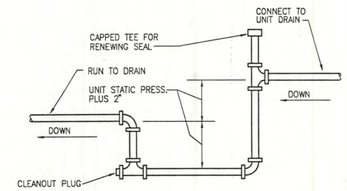
1/H2 CEILING DIFFUSER CONNECTION DETAIL
NO SCALE



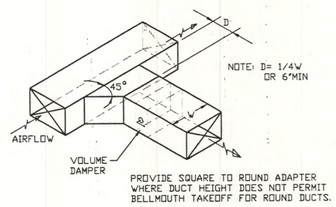
8/H2 CEILING MTD. EXHAUST FAN DETAIL
NO SCALE



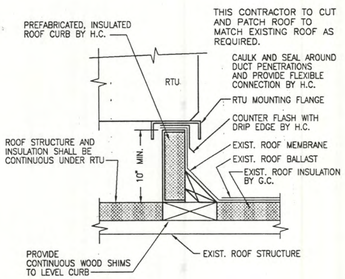
5/H2 VAV BOX INSTALLATION DETAIL
NO SCALE



LOOP SEAL FOR COOLING COIL CONDENSATE DRAIN
2/H2
NO SCALE



6/H2 BRANCH DUCT TAKOFF (RECTANGULAR)
NO SCALE



3/H2 RTU ROOF CURB DETAIL
NO SCALE

FAN SCHEDULE

GENERAL	IDENTIFICATION	EF-1	EF-2			
	MANUFACTURER	EXIST.	BROAN			
	MODEL NUMBER	EXIST.	LoSONE 363			
	AREA SERVED	CONF. TOILET	TOILET			
	CFM	100	200			
	ESP "WG	0.375	0.25			
	MOUNTING	ROOF	CEILING			
	DISCHARGE	ROOF	WALL			
ELECTRICAL	HORSEPOWER	EXIST.	FRACTIONAL			
	FLA	---	2.3			
	VOLTAGE/PHASE/HERTZ	120/1/60	120/1/60			
REMARKS			1			

1) PROVIDE WALL CAP.

ROOFTOP AHU SCHEDULE

GENERAL	IDENTIFICATION	RTU-1		
	LOCATION	ROOF		
	SERVICE	OFFICE		
	MANUFACTURER	CARRIER		
	MODEL	48 HJE 007		
SUPPLY FAN	CFM	2410		
	% OUTSIDE AIR (CFM)	11 (270)		
	EXTERNAL S.P. "WG	1.0		
	MOTOR HP	2.5		
	RPM	1584		
DIRECT EXPANSION COOLING COIL	TOTAL COOLING MBH	73.9		
	SENSIBLE COOLING MBH	63.9		
	AMBIENT AIR TEMP.	95		
	EAT db/wb	76.8 / 64.2		
	LAT db/wb	58.0 / 55.7		
	EER	9.0		
HEATING	FUEL	NATURAL GAS		
	EAT db	56.0		
	LAT db	91.8		
	INPUT (MBH)	115.0		
	OUTPUT (MBH)	93.1		
ELECTRICAL	VOLTAGE/PHASE/HERTZ	208 / 3 / 60		
	COMPRESSOR RLA	13.5		
	CONDENSOR FANS FLA	3.8		
	INDOOR FAN FLA	5.8		
	MINIMUM CIRCUIT AMPS	40 / 40		
	MOCP AMPS	50 / 50		
UNIT WEIGHT WITH ACCESSORIES		1379		
FILTER	TYPE	2" TA		
	NET AREA(SF)	5.55		
REMARKS		1		

1) PROVIDE ROOF CURB WITH UNIT.

VARIABLE AIR VOLUME TERMINAL SCHEDULE

GENERAL	SYMBOL	VAV-1	VAV-2	VAV-3	VAV-4		
	MANUFACTURER	CARRIER	CARRIER	CARRIER	CARRIER		
	MODEL NUMBER	35DV12	35 DV 07	35 DV 06	35 DV 12		
	SERVICE	SEE PLAN	SEE PLAN	CONFERENCE	BY-PASS		
	SIZE	12	07	06	12		
	INLET	12" OV.	7"ø	6"ø	12" OV.		
	OUTLET	18.5 X 12.5	12.5 X 12.5	10.5 X 12.5	18.5 X 12.5		
	MINIMUM CFM	450	200	150	0		
	MAXIMUM CFM	1650	430	330	1800		
	MIN. SP ("wg)	1"	1"	1"	1"		
	AIR VALVE CONTROL	WT	WT	WT	WT		
REMARKS							

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HVAC SCHEDULES AND DETAILS

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