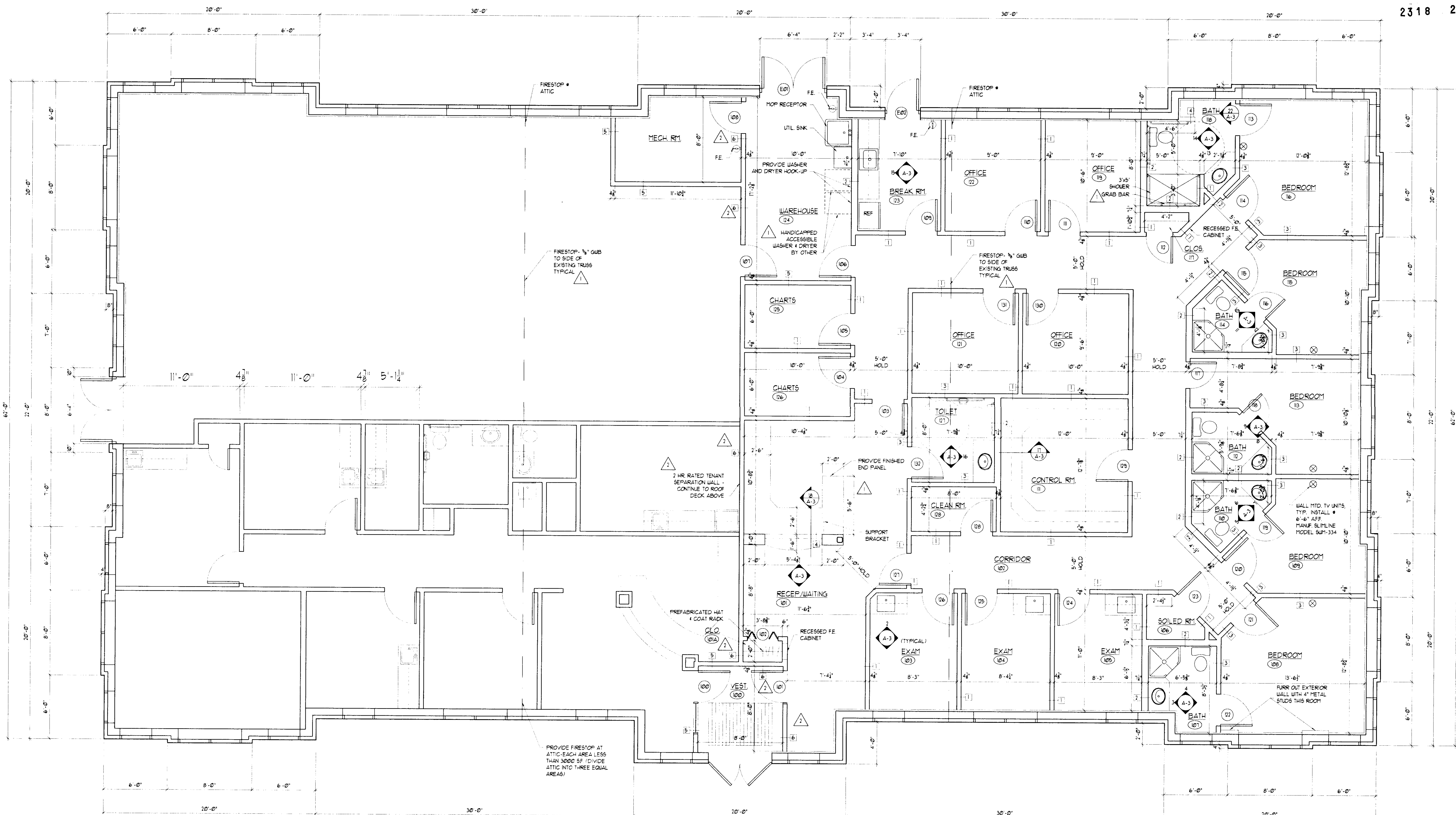


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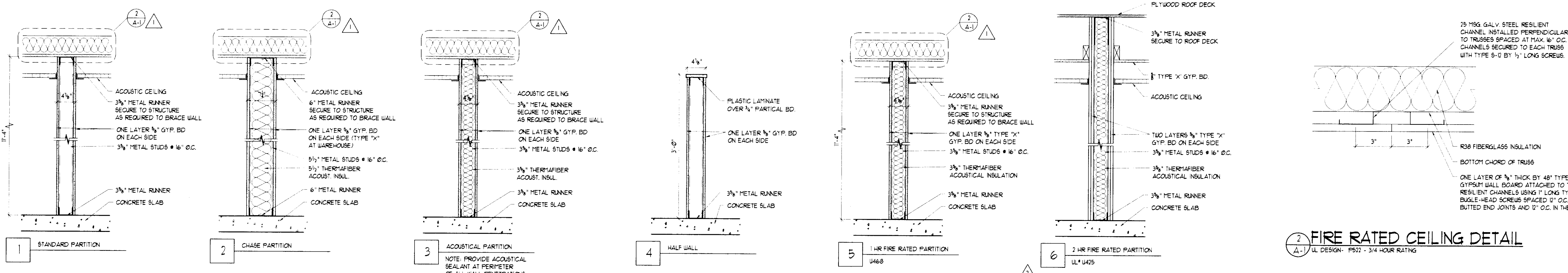


APNEA CARE

1120 YOUNGS ROAD
 AMHERST, NEW YORK

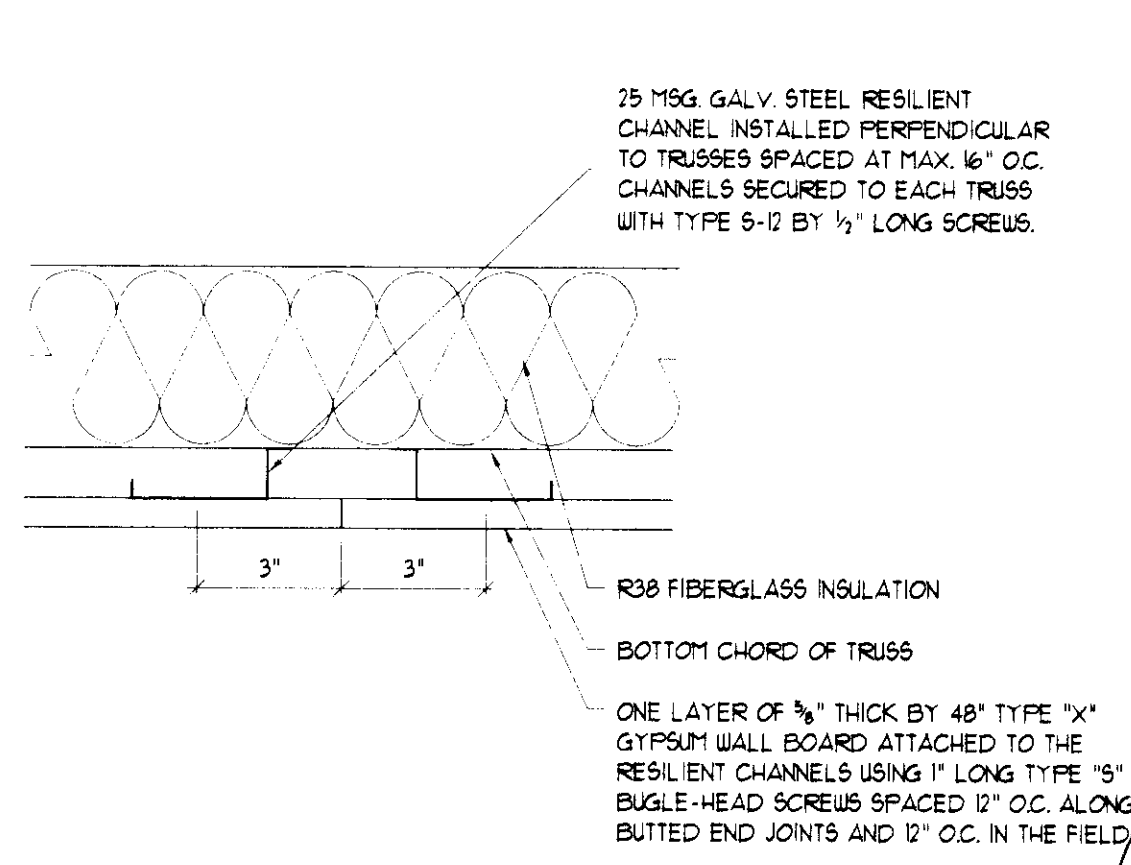
**FLOOR PLAN,
 PARTITION TYPES**

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



PARTITION TYPES

FIRE RATED CEILING DETAIL
 U.L. DESIGN: P957 - 3/4 HOUR RATING



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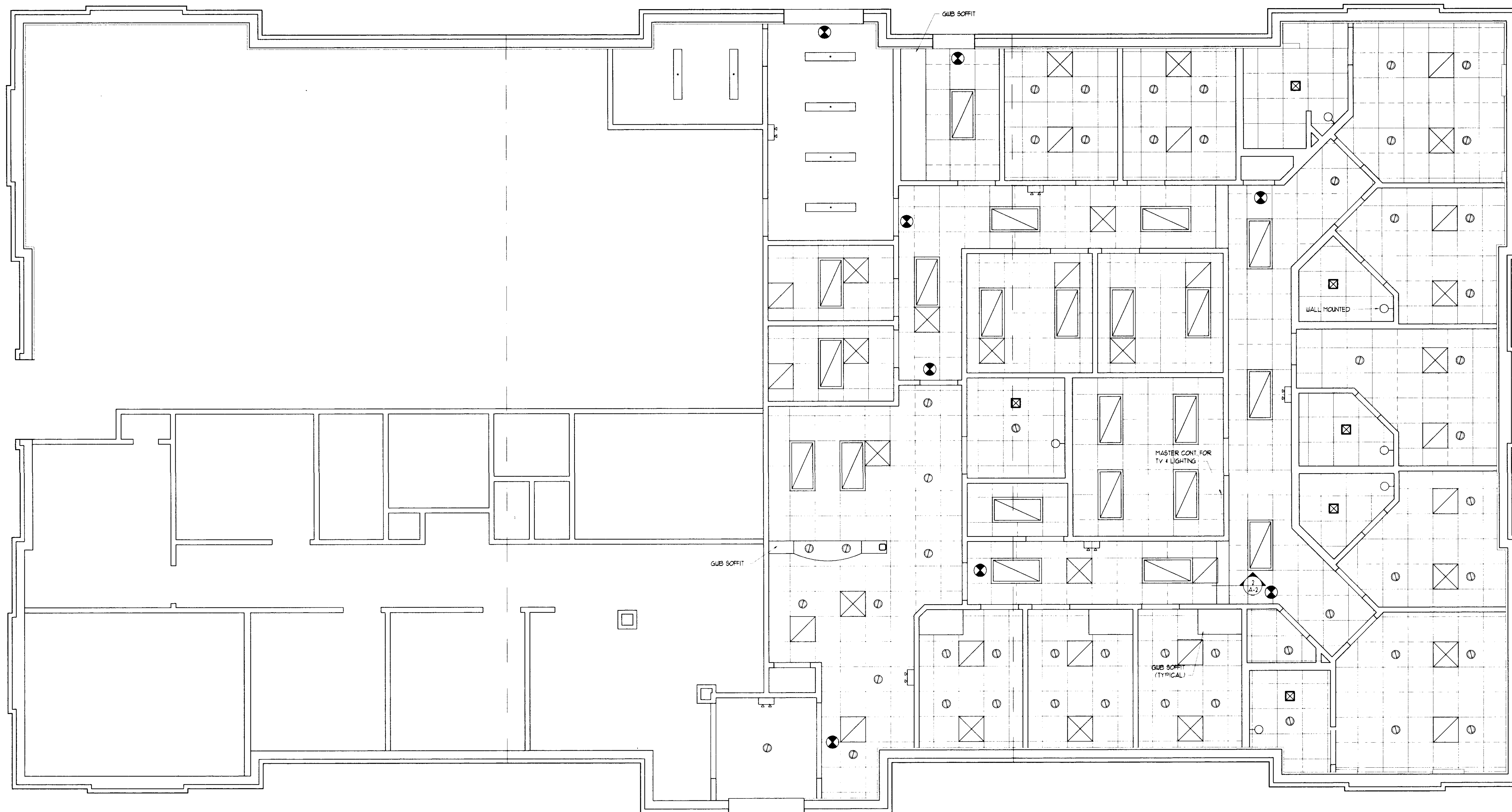
JOB NO
 01006
 DATE
 04-09-01



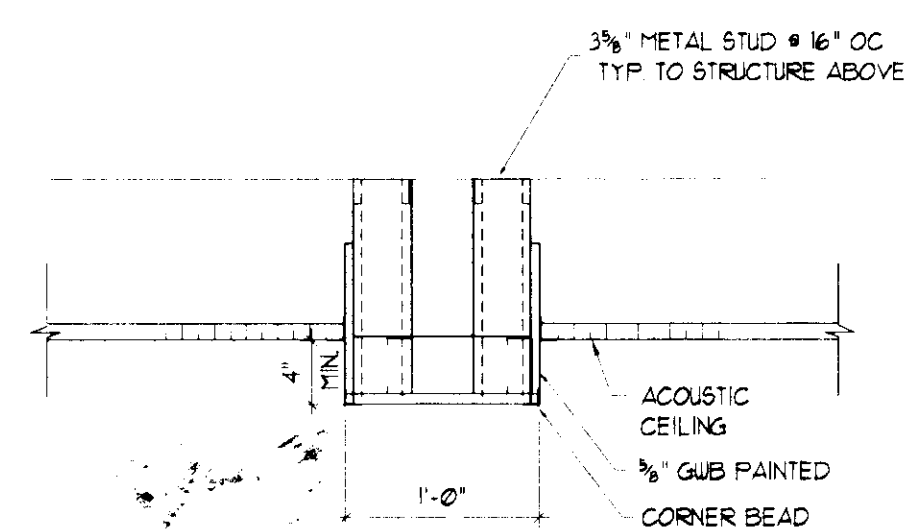
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1 REFLECTED CEILING PLAN
SCALE 1/4" = 1'-0"



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

LEGEND:

- 2' x 4' RECESSED FLUORESCENT LIGHT FIXTURE
- 2' x 2' RECESSED FLUORESCENT LIGHT FIXTURE
- PENDANT MOUNTED INCANDESCENT LIGHT
- RECESSED INCANDESCENT DOWN LIGHT
- WALL MOUNTED LIGHT FIXTURE ABOVE MIRROR AT RESTROOMS
- EXHAUST FAN
- EXIT LIGHT
- 2' x 4' SUSPENDED ACOUSTIC TILE CEILING
- 2' x 4' SUSPENDED ACOUSTIC TILE CEILING SCORED
- 2' x 2' SUSPENDED ACOUSTIC TILE CEILING
- SUSPENDED GYP. BD. CEILING ON METAL FRAMING
- FINISHED CEILING HEIGHT (ABOVE FLOOR)
- SUPPLY AIR DIFFUSER (SEE MECH)
- RETURN AIR GRILLE (SEE MECH)

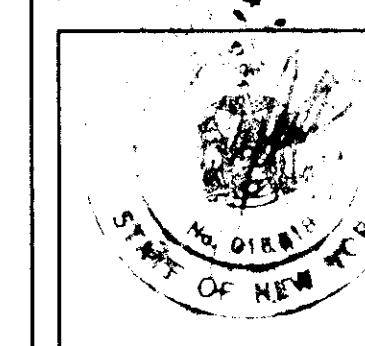
NOTE: INFRARED DOWNLIGHT ON DIFFUSERS IN ALL TEST ROOMS.

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APNEA CARE

1120 YOUNGS ROAD
AMHERST, NEW YORK

REFLECTED CEILING PLAN



JOB NO.
01006
DATE
04-09-01



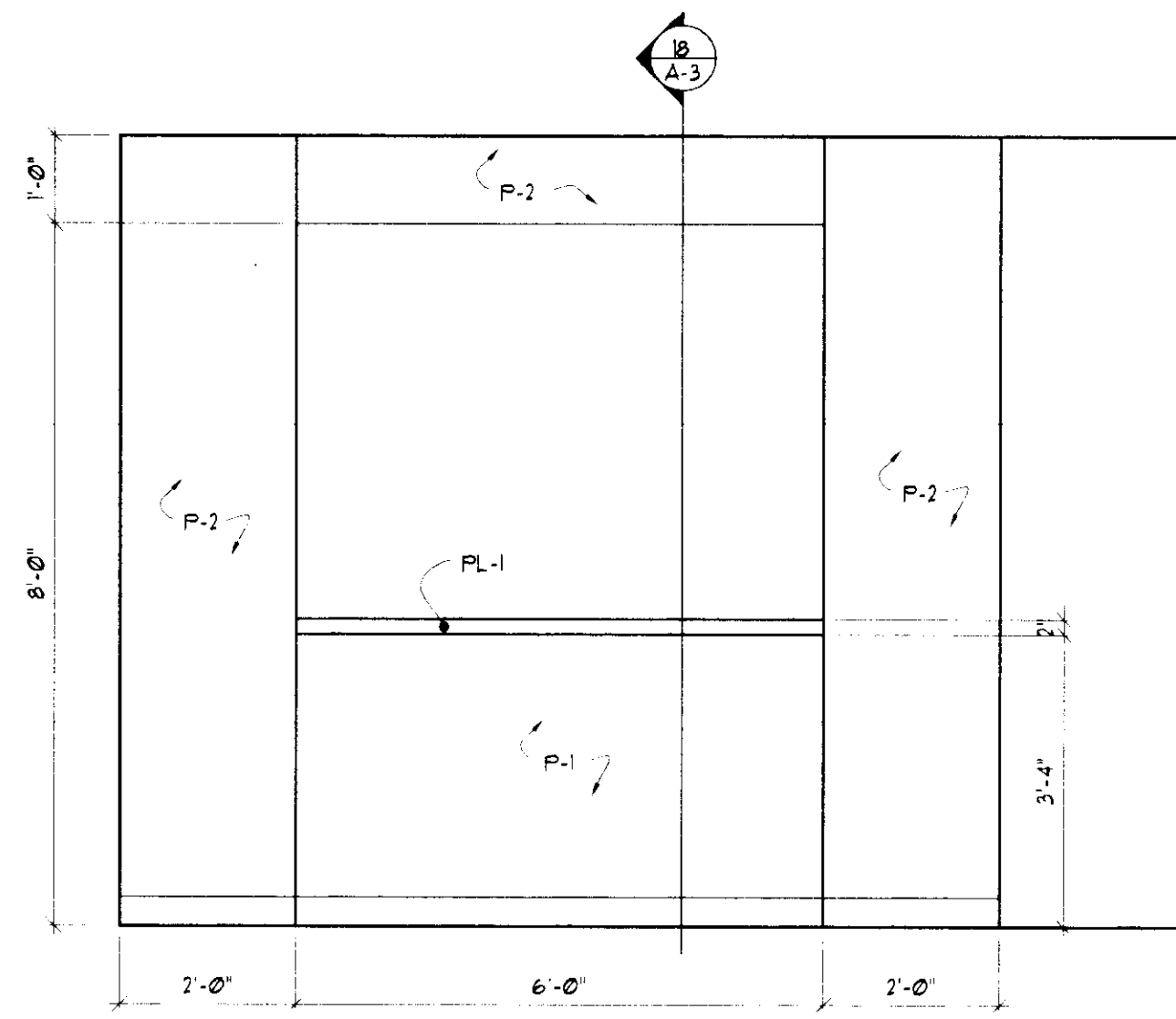
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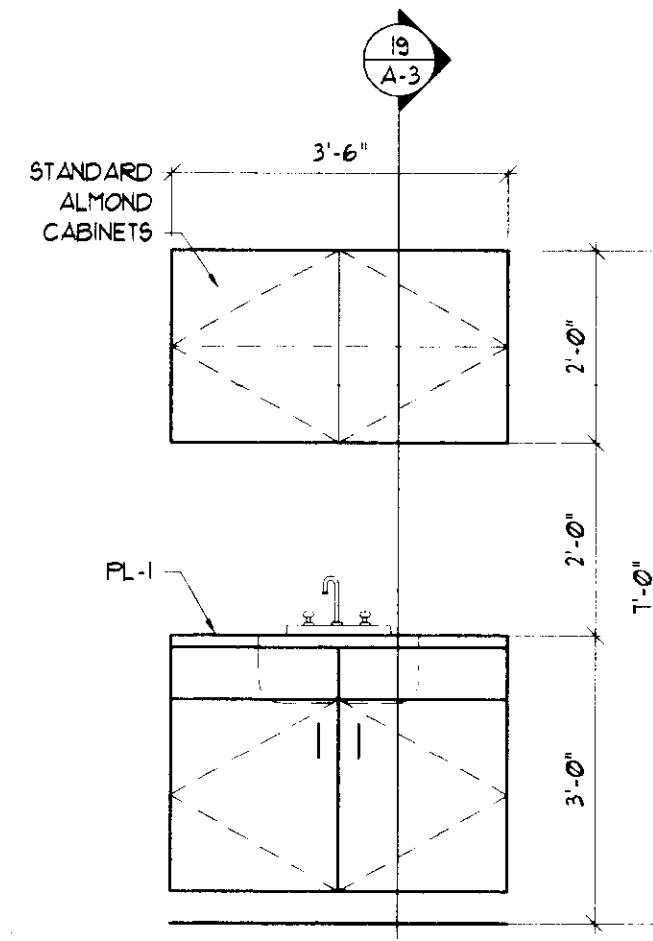
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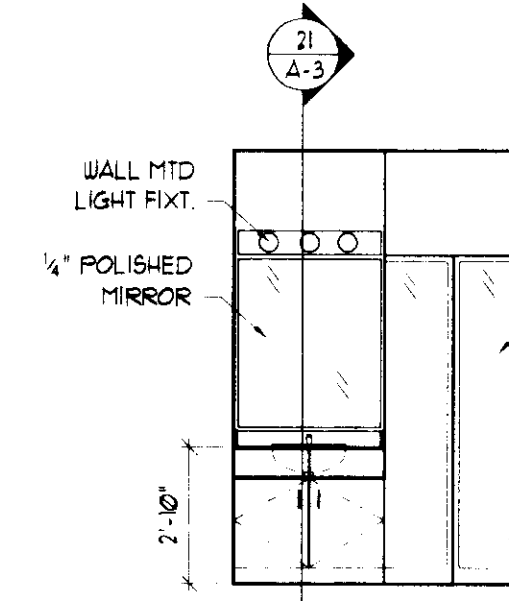
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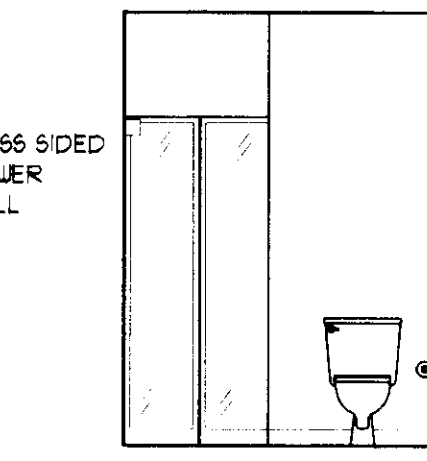
1 RECEPTION WAITING ELEVATION
SCALE 1/2" = 1'-0"



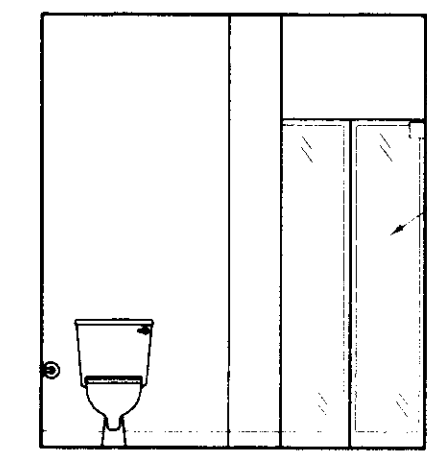
2 TYP. EXAM RM. ELEV.
SCALE 1/2" = 1'-0"



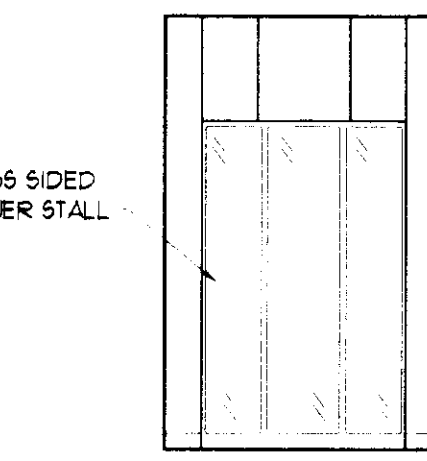
3 BATH 101 ELEV.
SCALE 1/4" = 1'-0"



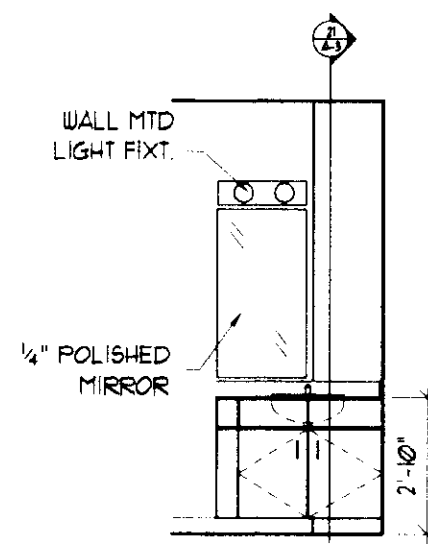
4 BATH 101 ELEV.
SCALE 1/4" = 1'-0"



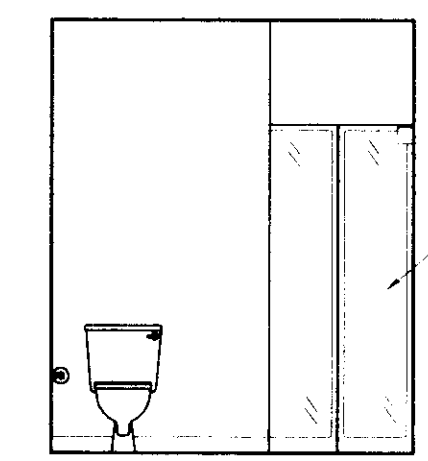
5 BATH 110 ELEV.
SCALE 1/4" = 1'-0"



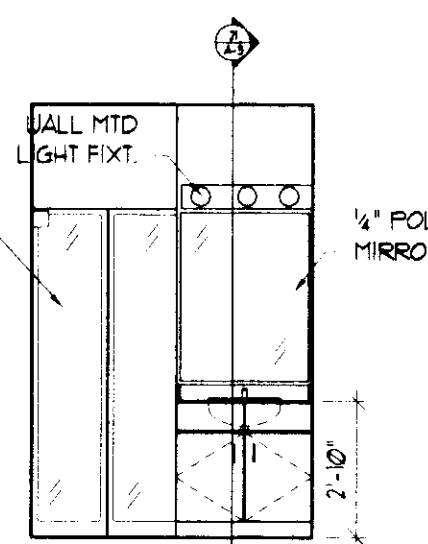
6 BATH 110 ELEV.
SCALE 1/4" = 1'-0"



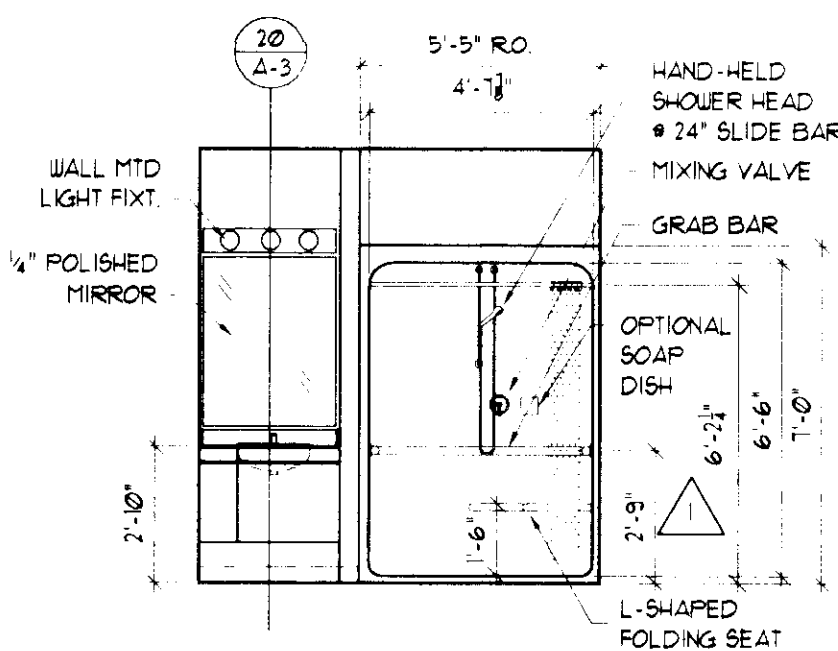
7 BATH 110 ELEV.
SCALE 1/4" = 1'-0"



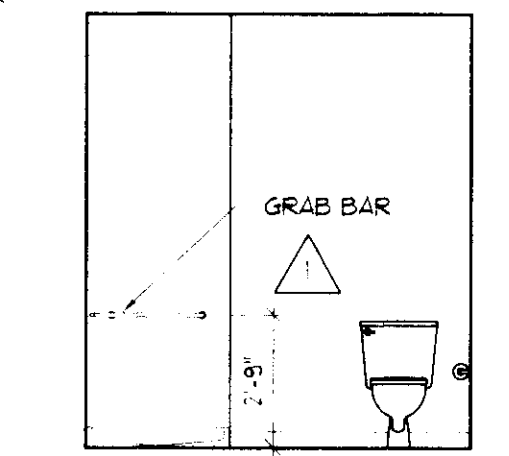
8 BATH 112 ELEV.
SCALE 1/4" = 1'-0"



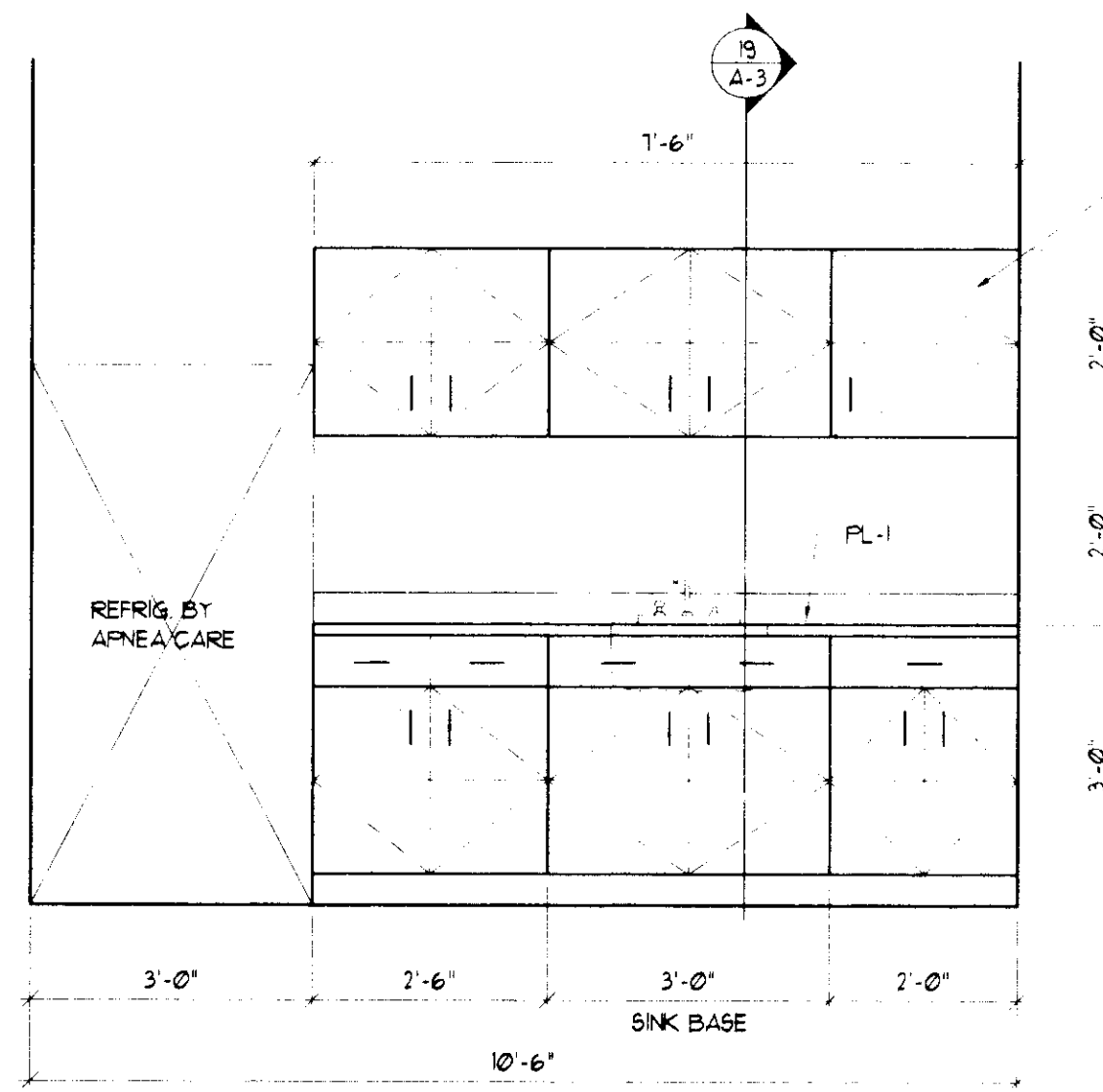
9 BATH 112 ELEV.
SCALE 1/4" = 1'-0"



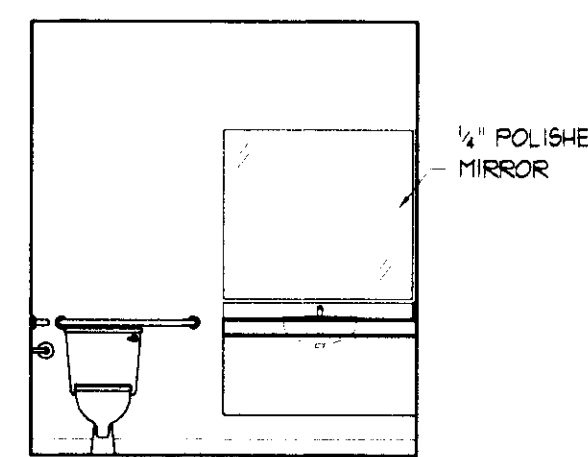
13 BATH 118 ELEV.
SCALE 1/4" = 1'-0"



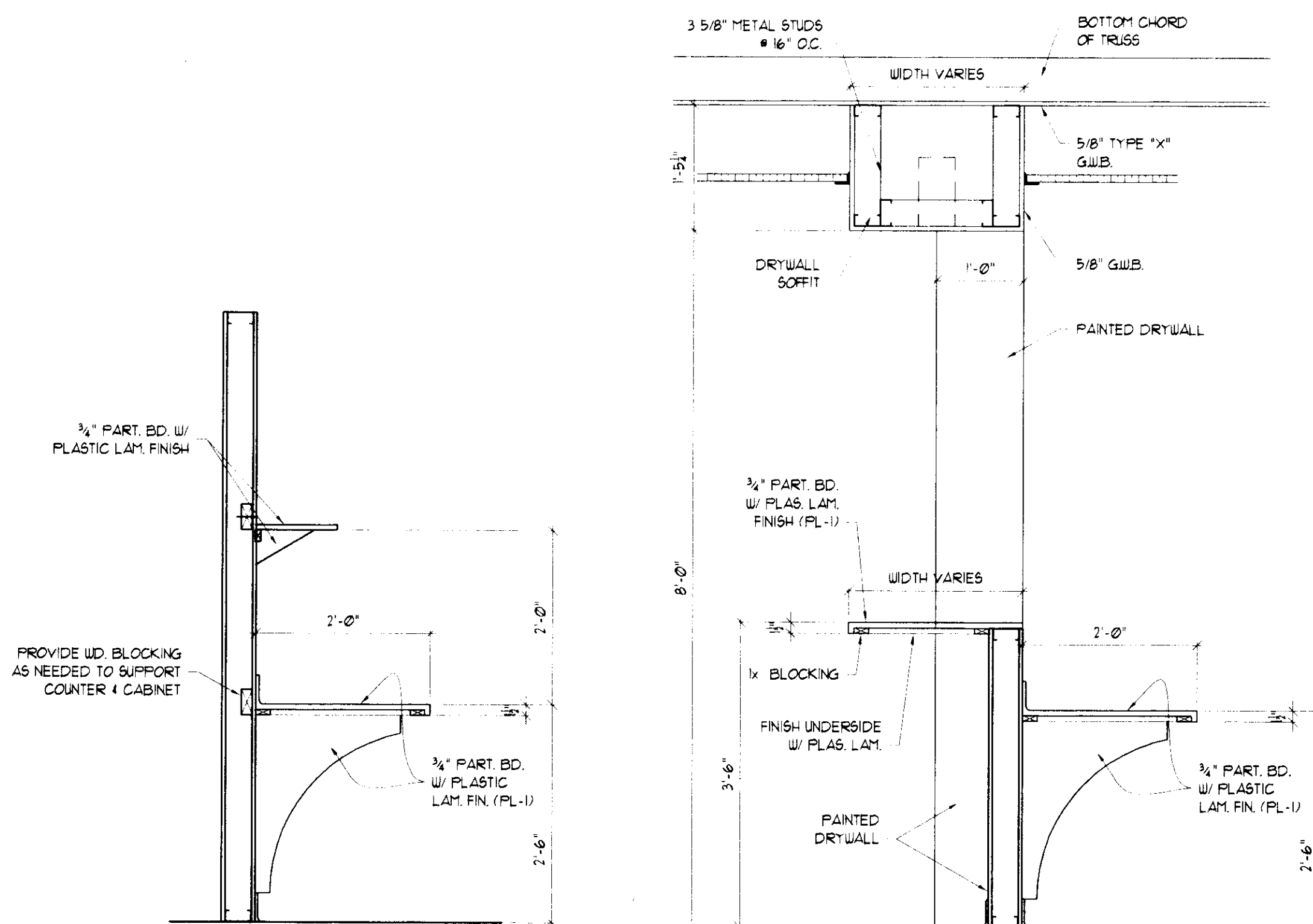
14 BATH 118 ELEV.
SCALE 1/4" = 1'-0"



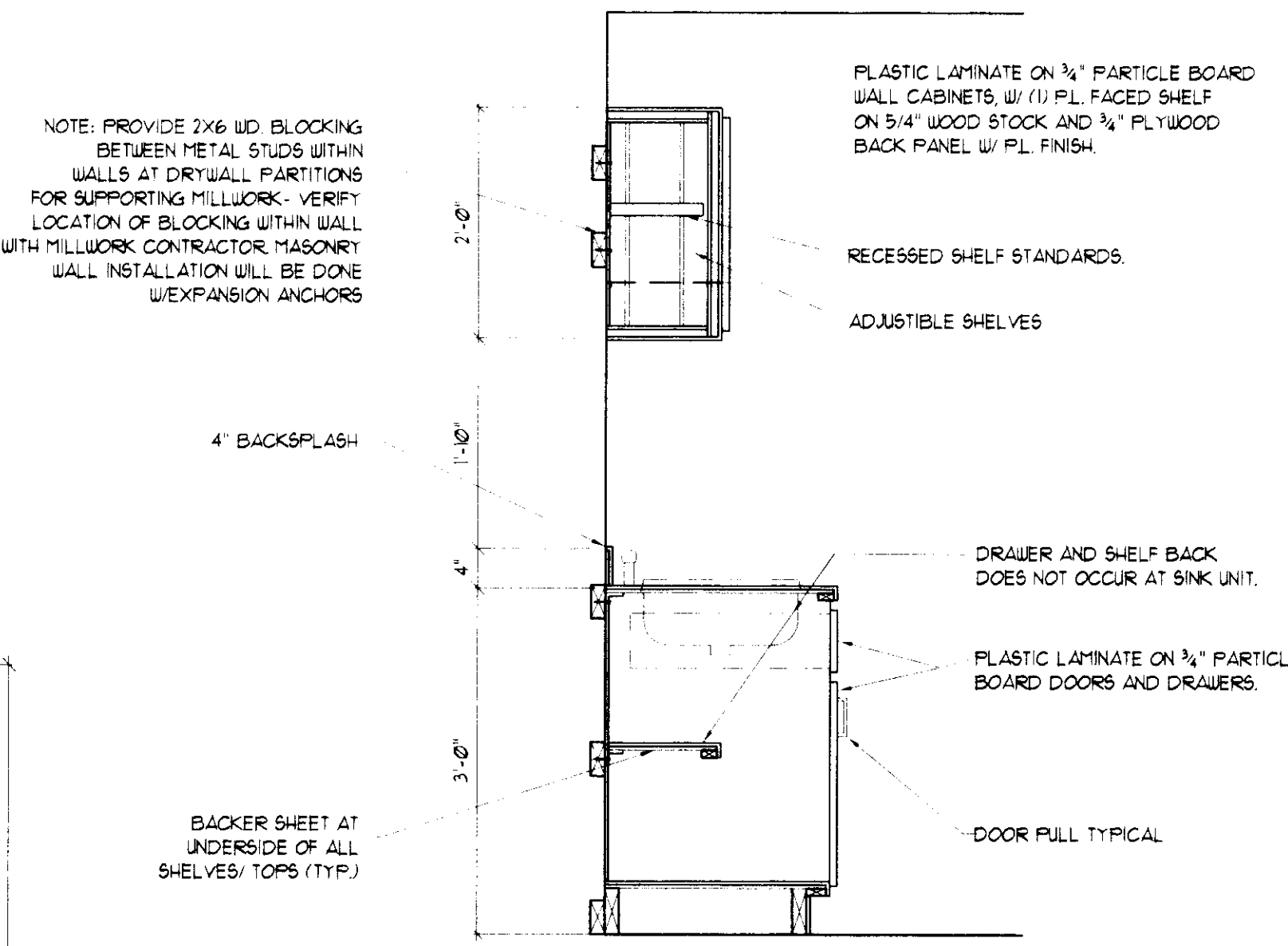
15 BREAK RM. ELEV.
SCALE 1/2" = 1'-0"



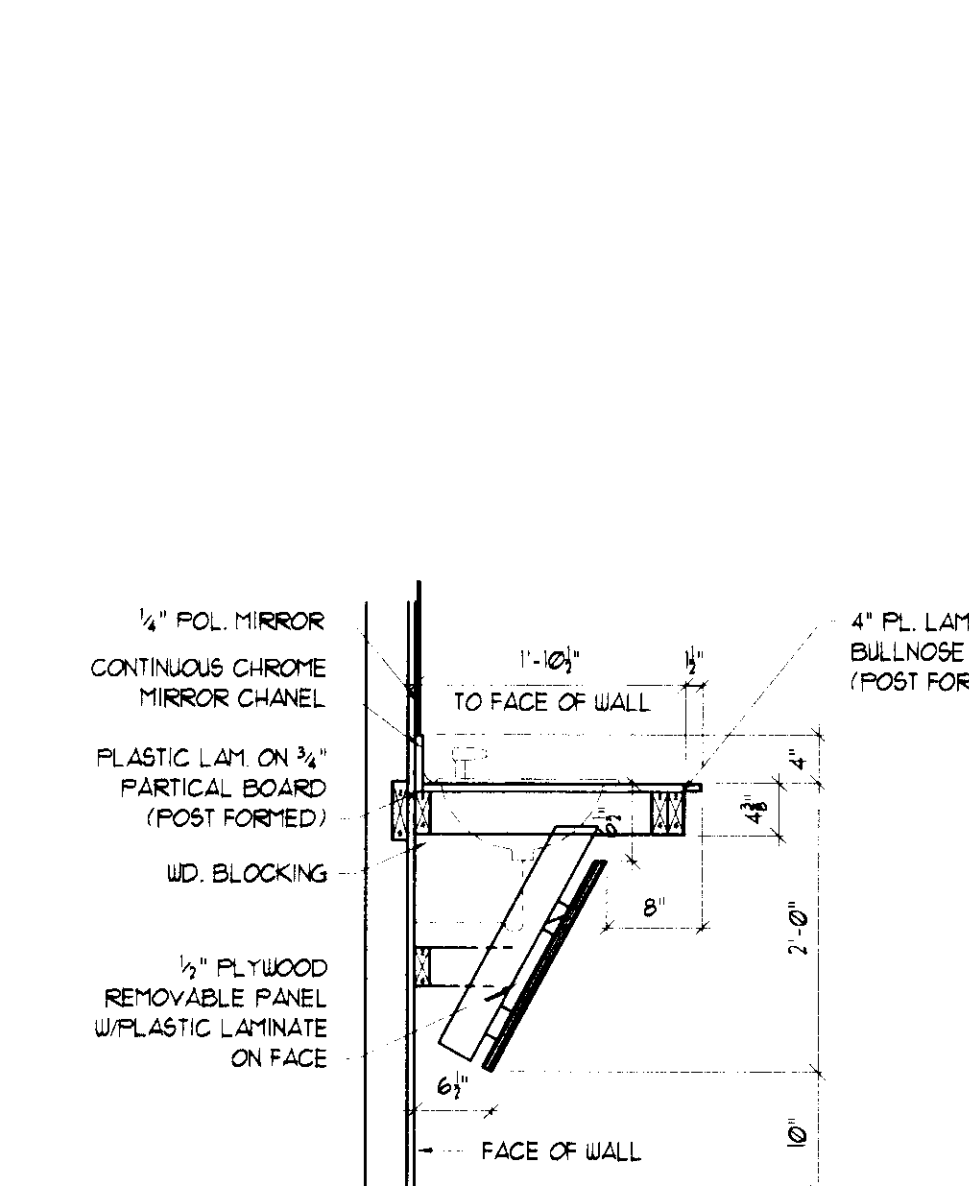
16 TOILET 121 ELEV.
SCALE 1/4" = 1'-0"



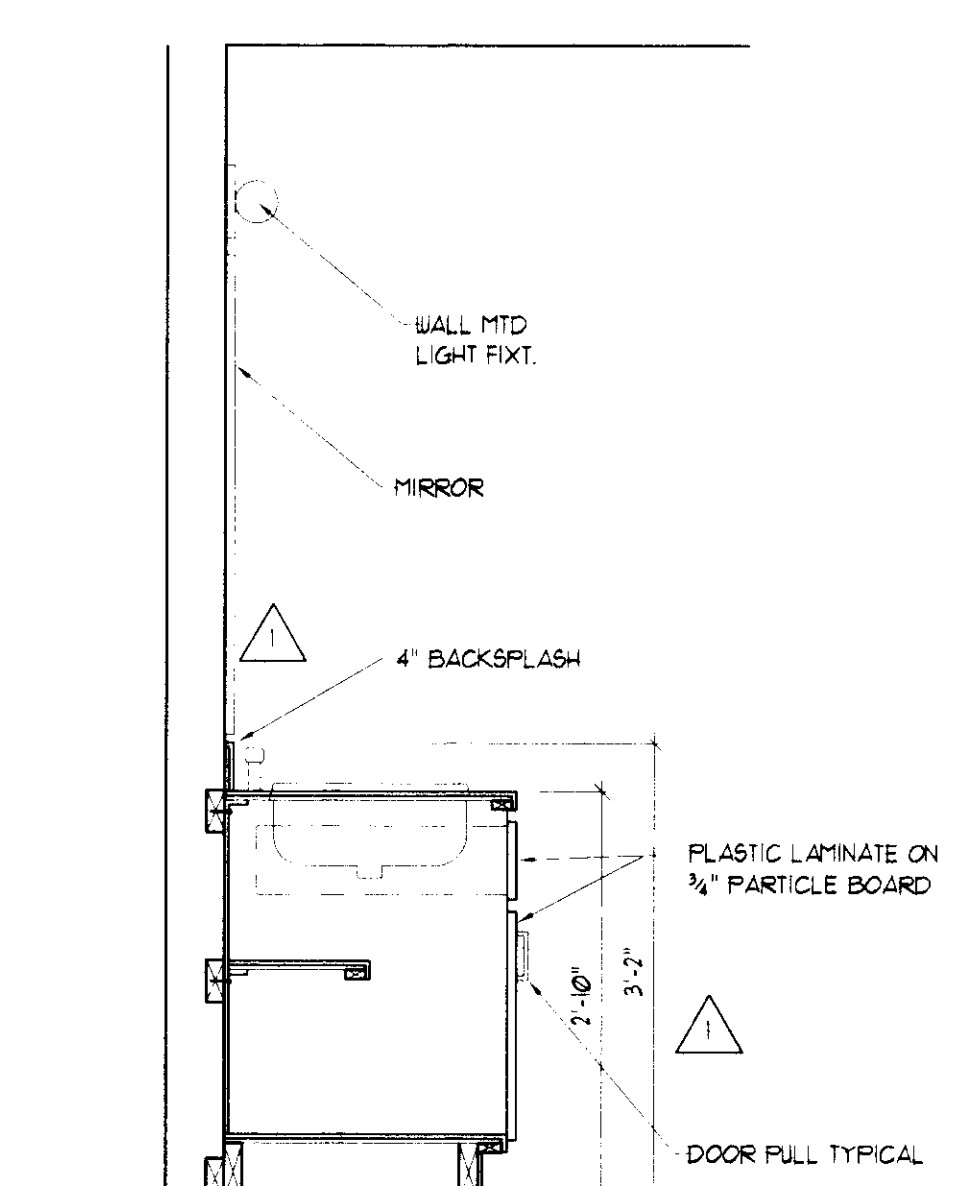
17 SECTION
SCALE 3/4" = 1'-0"



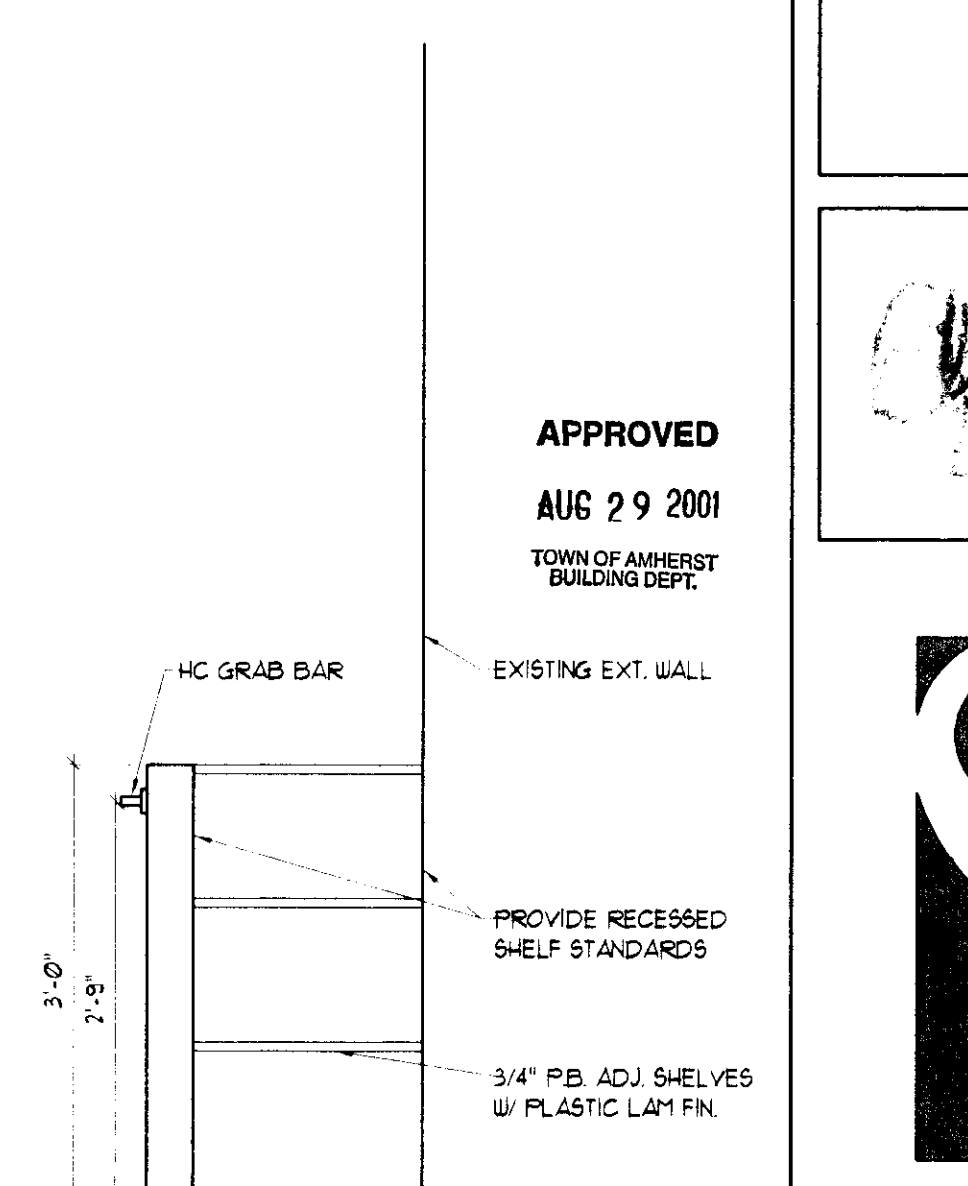
18 SECTION
SCALE 3/4" = 1'-0"



20 SECTION
SCALE 3/4" = 1'-0"



21 SECTION
SCALE 3/4" = 1'-0"



22 SECTION
SCALE 3/4" = 1'-0"

1120 YOUNGS ROAD
AMHERST, NEW YORK

INTERIOR ELEVATIONS,
SECTIONS & DETAILS

0/20/01



JOB NO
01006
DATE
04-09-01

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DRAWING A-3

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FINISH PLAN
 SCALE 1/4" = 1'-0"

NO.	NAME	FLOOR		BASE		WALLS		CEILINGS		HGT.	REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH		
100	VESTIBULE									9'-0"	
101	RECEPTION WAITING									9'-0"	
101A	CLOSET									9'-0"	
102	CORRIDOR									9'-0"	
103	EXAM									9'-0"	
104	EXAM									9'-0"	
105	EXAM									9'-0"	
106	SOILED RM									9'-0"	
107	BATH									9'-0"	
108	BEDROOM									9'-0"	
109	BEDROOM									9'-0"	
110	BATH									9'-0"	
111	CONTROL ROOM									9'-0"	
112	BATH									9'-0"	
113	BEDROOM									9'-0"	
114	BATH									9'-0"	
115	BEDROOM									9'-0"	
116	BEDROOM									9'-0"	
117	CLOSET									9'-0"	
118	BATH									9'-0"	
119	OFFICE									9'-0"	
120	OFFICE									9'-0"	
121	OFFICE									9'-0"	
122	OFFICE									9'-0"	
123	BREAK ROOM									9'-0"	
124	WAREHOUSE									9'-0"	
125	CHARTS									9'-0"	
126	CHARTS									9'-0"	
127	TOILET									9'-0"	
128	CLEAN UTILITIES									9'-0"	

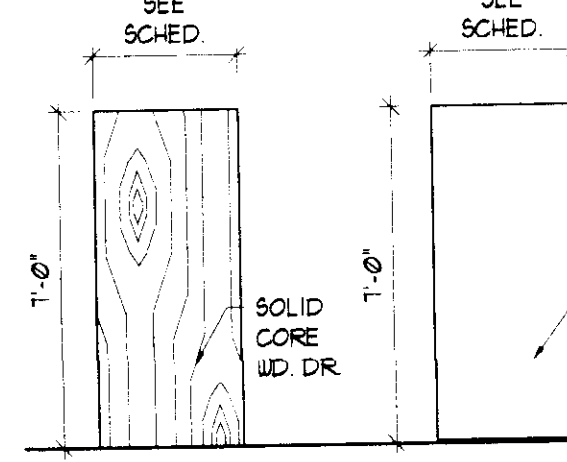
NOTE: CLASS 1 CARPET SHALL BE PROVIDED AT CORRIDORS

DOOR		FRAME		SADDL	LABEL	HOWE	REMARKS
OPNG NO	TYPE	MATL	JAMB	TYPE			
E01	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
E02	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
100	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
101	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
102	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
103	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
104	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
105	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
106	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
107	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
108	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
109	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
110	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
111	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
112	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
113	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
114	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
115	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
116	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
117	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
118	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
119	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
120	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
121	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
122	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
123	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
124	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
125	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
126	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
127	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
128	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
129	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
130	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
131	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	
132	3'-0"x7'-0" x 1/2"	LD	A	J	H	H1	

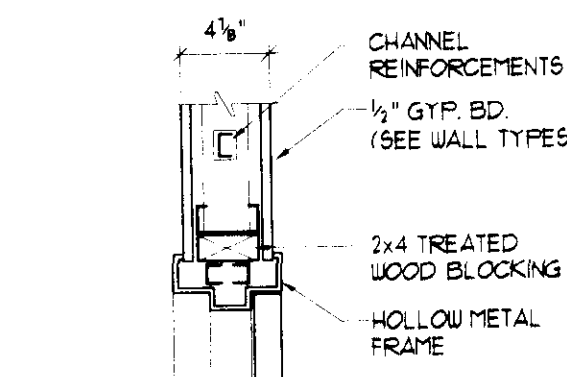
HARDWARE SCHEDULE

H1-1	3 HINGES 1 LOCK 1 STOP 3 SILENCERS 1 CLOSER
H1-2	3 HINGES 1 LOCK 1 STOP 3 SILENCERS
H1-3	3 HINGES 1 PASSAGE SET 1 STOP 3 SILENCERS
H1-4	3 HINGES 1 PRIVACY 1 STOP 3 SILENCERS
H1-5	1 SET BIFOLD HARDWARE 2 PULLS

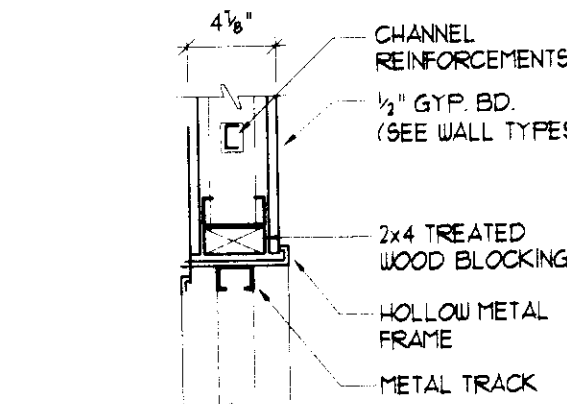
DOOR TYPES



HEAD TYPES

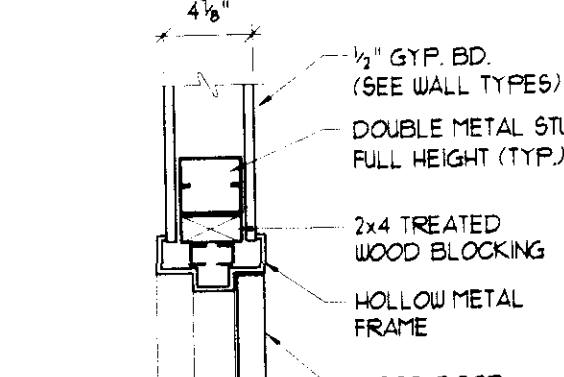


H1

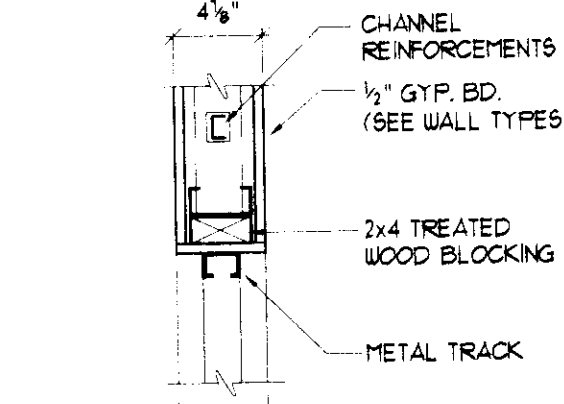


H2

JAMB TYPES

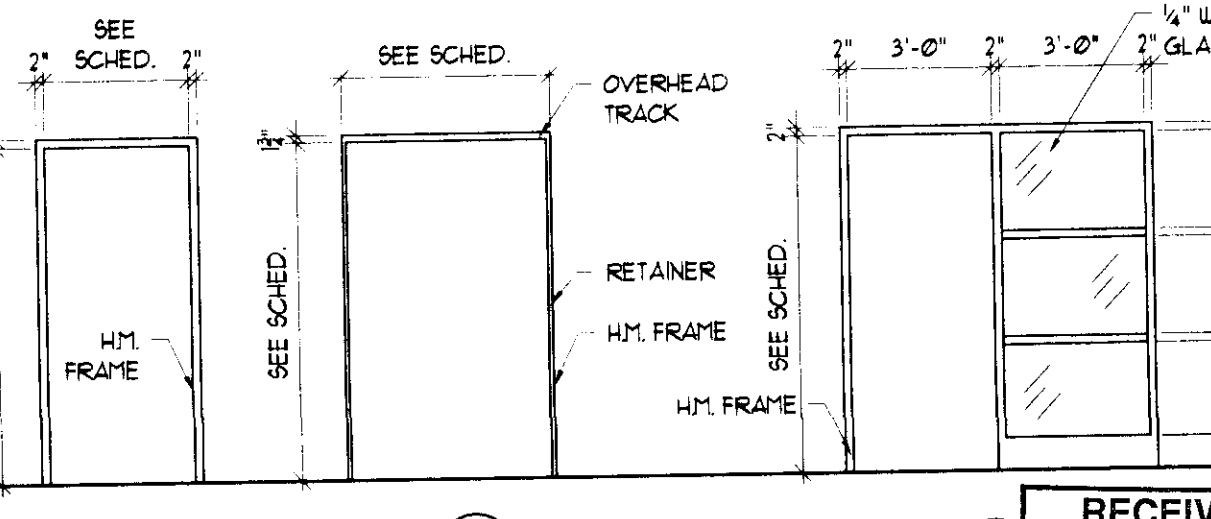


J1



J2

FRAME TYPES



1120 YOUNGS ROAD
 AMHERST, NEW YORK

**FINISH PLAN, ROOM
 FINISH & DOOR
 SCHEDULES,
 DOOR DETAILS**

8/21/01

JOB NO
 01006
 DATE
 04-09-01

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ELECTRICAL SYMBOL LIST

GENERAL

- SURFACE MOUNTED OR RECESSED 208Y/120V PANELBOARD AS SPECIFIED.
- JUNCTION BOXES AS SPECIFIED SIZED PER NATIONAL ELECTRIC CODE.
- LV1-12 DUPLEX RECEPTACLE OUTLET MOUNTING HEIGHT 18" A.F.F. UOI SHALL BE 20AMP COMMERCIAL GRADE GROUNDING TYPE WITH COVER PLATE. DESIGNATION INDICATES PANELBOARD-CIRCUIT NUMBER IN PANELBOARD. ALL RECEPTACLES ON EMERGENCY CIRCUITS TO BE RED RECEPTACLE WITH RED COVER WITH LABEL READING "EMERGENCY RECEPTACLE"
- GF1 - GROUND FAULT INTERRUPTING, MOUNTED OC UNLESS OTHERWISE NOTED
- OC - MOUNT 8" TO CENTER ABOVE SINK OR COUNTERTOP
- SP - SURGE PROTECTED
- # - CIRCUIT NUMBER
- WP - WEATHERPROOF COVER
- TP - TAMPERPROOF
- D - DEDICATED CIRCUIT USE BROWN RECEPTACLE AND PROVIDED LABEL ON FACEPLATE "DEDICATED CIRCUIT"
- TV - RECEPTACLE MOUNTED. 7"-0" A.F.F. (COORD. EXACT HEIGHT DURING CONSTRUCTION)
- LV1-12 DOUBLE DUPLEX RECEPTACLE OUTLET MOUNTING HEIGHT 18" A.F.F. UOI SHALL BE 20AMP COMMERCIAL GRADE GROUNDING TYPE WITH COVER PLATE. DESIGNATION INDICATES PANELBOARD-CIRCUIT NUMBER IN PANELBOARD.
- LV1-12 INDICATES AN ELECTRICAL CONNECTION TO EQUIPMENT. CONTRACTOR TO PROVIDE ALL NECESSARY CONDUIT, FLEX CONDUIT, FITTINGS, WIRES, TERMINATION, ETC FOR PROPER CONNECTION. DESIGNATION INDICATES PANELBOARD-CIRCUIT NUMBER IN PANELBOARD
- LV1-12 MOTOR CONNECTION. ALL MOTOR CONNECTIONS SHALL BE MADE WITH LIQUID TIGHT FLEXIBLE METAL CONDUIT. PROVIDE ALL NECESSARY FITTINGS, WIRE AND CONNECTIONS FOR PROPER OPERATION. DESIGNATION INDICATES PANELBOARD-CIRCUIT NUMBER IN PANELBOARD.
- LV1-12 LOCKABLE DISCONNECT SWITCH LOCATE AS SHOWN. TOP NUMBER INDICATES SWITCH RATING / BOTTOM NUMBER INDICATES FUSE SIZE. O ON BOTTOM INDICATES NON-FUSED DISCONNECT. VOLTAGE AND PHASE AS REQUIRED FOR ASSOCIATED EQUIPMENT. DESIGNATION INDICATES PANELBOARD-CIRCUIT NUMBER IN PANELBOARD.
- LV1-12 LOCKABLE COMBINATION FVNR MOTOR STARTER. TOP NUMBER INDICATES FUSE SIZE / BOTTOM NUMBER NEMA SIZE. VOLTAGE AND PHASE AS REQUIRED FOR ASSOCIATED EQUIPMENT. PROVIDE H-O-A SELECTOR SWITCH, RED RUN LIGHT AND CONTROL TRANSFORMER. ALSO PROVIDE 1 N.O. AND 1 N.C. CONTACT. DESIGNATION INDICATES PANELBOARD-CIRCUIT NUMBER IN PANELBOARD.
- LV1-12 FVNR MOTOR STARTER. NUMBER INDICATES NEMA SIZE. VOLTAGE AND PHASE AS REQUIRED FOR ASSOCIATED EQUIPMENT. PROVIDE ON/OFF PUSH BUTTONS, RED RUN LIGHT AND CONTROL TRANSFORMER. ALSO PROVIDE 1 N.O. AND 1 N.C. CONTACT. DESIGNATION INDICATES PANELBOARD-CIRCUIT NUMBER IN PANELBOARD.

LIGHTING

- A, LV1-1 LIGHT FIXTURE, UPPER CASE LETTER = FIXTURE TYPE, SEE FIXTURE SCHEDULE. LOWER CASE LETTER = SWITCHING ARRANGEMENT TWO LETTERS ON 1 FIXTURE INDICATES INNER/OUTER BALLAST SWITCHING LETTERS-NUMBER = PANELBOARD-CIRCUIT NUMBER IN PANELBOARD
- ELV1-12 EXIT SIGN W/INTEGRAL BATTERY, ARROW INDICATES ARROW DIRECTION AND FACE UPPER CASE LETTER = FIXTURE TYPE, SEE FIXTURE SCHEDULE. LETTERS-NUMBER = PANELBOARD-CIRCUIT NUMBER IN PANELBOARD
- E1, LV1-12 EMERGENCY LIGHT WITH INTEGRAL BATTERY. UPPER CASE LETTER = FIXTURE TYPE, SEE FIXTURE SCHEDULE. LETTERS-NUMBER = PANELBOARD-CIRCUIT NUMBER IN PANELBOARD
- \$3lab SINGLE POLE WALL SWITCH WITH COVER PLATE. 120/277V, 20A, 48" AFF TO CENTER UOI LOWER CASE LETTER INDICATES SWITCHING ARRANGEMENT
 - LV - ROMAN NUMERALS INDICATES MULTIPLE SWITCHES UNDER 1 PLATE
 - 3 - THREE WAY
 - 4 - FOUR WAY
 - D - DIMMER, INCANDESCENT, TYPE 100WATT MINIMUM
 - M - MOTOR
 - L - SPDT SWITCH
 - K - KEY SWITCH

LIGHTING CONTROL

- WS WALL MOUNTED OCCUPANCY SENSOR PASSIVE INFRARED FOR 120/277V OPERATION WATT STOPPER MODEL WA-100

COMMUNICATION

- COMBINATION COMMUNICATIONS OUTLET LOCATION, 18" AFF UOI, TWO GANG BOX, EXTENSION RING AND BLANK COVER W/ - 3/4" EMT CONDUITS TO CEILING SPACE
 - C - MOUNT 8" ABOVE COUNTER TOP
- CABLE TV OUTLET LOCATION, 7"-0" AFF UOI, SINGLE GANG BOX, EXTENSION RING AND BLANK COVER W/ 3/4" EMT TO CEILING SPACE

CCTV

- PROVISIONS FOR CAMERA'S BY OWNER. CONTRACTOR SHALL FURNISH AND INSTALL A 4"x4" JUNCTION BOX WITH 3/4" EMT TO CEILING SPACE. MOUNT BOX ON CEILING WITH BLANK COVER. COORDINATE EXACT MOUNTING WITH OWNER PRIOR TO CONSTRUCTION. RECEPTACLE SHALL BE MOUNTED ABOVE CEILING ADJACENT TO CAMERA LOCATION FOR CAMERA POWER SUPPLY.

FIRE ALARM

- F FIRE ALARM - MANUAL PULL STATION, 48" AFF TO TOP
- F A FIRE ALARM - INDICATING AUDIO SPEAKER, 8"-0" AFF TO CENTER
- F A V FIRE ALARM - INDICATING AUDIO/VISUAL/SPEAKER, 6"-8" AFF TO CENTER
- F V FIRE ALARM - INDICATING VISUAL, 6"-8" AFF TO CENTER
- H FIRE ALARM - HEAT DETECTOR
- S FIRE ALARM - SMOKE DETECTOR, PHOTOELECTRIC TYPE
 - D - DUCT MOUNTED
 - C - AUXILIARY CONTACT BASE
 - P - PHOTOELECTRIC TYPE
 - I - IONIZATION TYPE
 - E - DESIGNATED FOR ELEVATOR CONTROL
- FACP FIRE ALARM CONTROL PANEL. REFER TO RISER DIAGRAM DRAWING E100

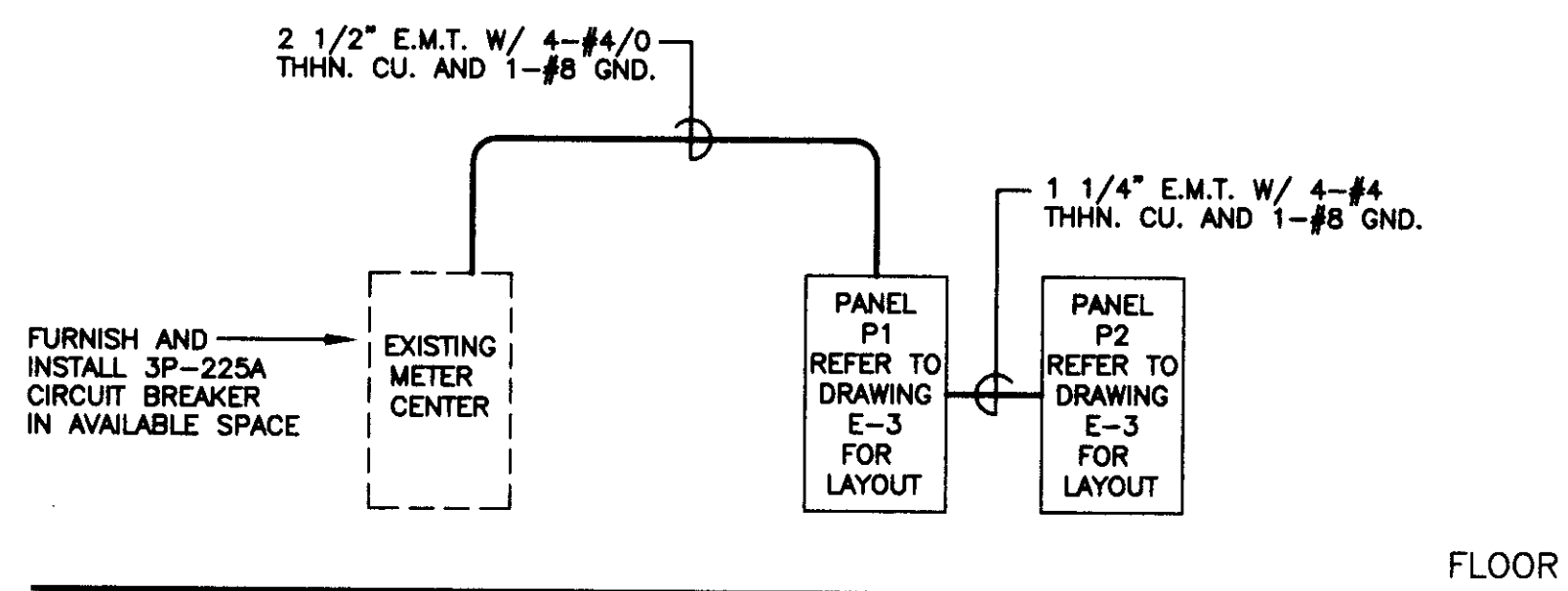
ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- C CONDUIT
- FACP FIRE ALARM CONTROL PANEL
- UOI UNLESS OTHERWISE INDICATED
- WP EQUIPMENT/MATERIAL TO BE WEATHERPROOF TYPE

ELECTRICAL SPECIFICATIONS

1. No conduit shall be smaller than 1/2 inch trade size. EMT conduit is permitted.
2. All unmarked conduit to be 1/2 inch trade size.
3. Formed steel boxes shall be hot-dipped galvanized as manufactured by the RACO Manufacturing Co., equivalent by Steel City Co., or equal.
4. Hangers, rods, backplates, beam clamps, etc., shall be hot-dipped galvanized steel. They shall be as manufactured by the Applenton Electric Co., equivalent by Crouse-Hinds, or equal.
5. No wire shall be pulled until the conduit system is complete in all details. In the case of concealed work, until all rough plastering or masonry has been completed. In the case of exposed work, until the conduit system is complete in every detail.
6. The ends of all conduit shall be tightly plugged to exclude dust and moisture while the building is under construction.
7. All conduits and fittings on exposed work shall be secured by means of metal clips and back plates.
8. Conduit supports shall be spaced at intervals of 8 feet or less, as required to obtain rigid construction.
9. Single conduits shall be supported by means of one-hole clamps in combination with one-screw back plates to raise conduits from the surface. Multiple runs of conduits shall be supported on trapeze type hangers with steel horizontal members and threaded hanger rods. The rods shall be not less than 3/8 inch diameter.
10. Conduit hangers shall be attached to structural steel by means of beam or channel clamps. Where attached to concrete surfaces, concrete inserts of the spot type shall be provided.
11. All conduits on exposed work shall be run at right angles to, and parallel with, the surrounding wall and shall conform to the form of the ceiling. No diagonal runs will be allowed. Bends in parallel conduit runs shall be concentric. All conduit shall be run perfectly straight and true.
12. Conduit wall seals and firestopping shall be used for all conduits penetrating walls and penetrating fire walls.
13. Conduit wall seals shall be used for all conduits penetrating walls below grade or other locations shown on the drawings.
14. Liquid tight flexible metal conduit shall be used for all motor terminations and other equipment where vibration is present.
15. Expansion and deflection fittings shall be used where conduits cross building expansion joints.
16. Pressed steel boxes shall be used for concealed work. Exposed boxes and fittings shall be cast metal.
17. Except for control and signal leads, no wire smaller than No. 12 AWG shall be used. All No. 10 AWG wire and smaller shall be solid.
18. All unmarked wires are to be No. 12 AWG in size. Type THHN.
19. All conductors shall be carefully handled to avoid kinks or damage to insulation.
20. Lubricants shall be used to facilitate wire pulling. Lubricants shall be U.L. approved for use with the insulation specified.
21. Wires and cable shall be annealed, 98 PCT conductivity, soft drawn copper. Color coding for phase identification:

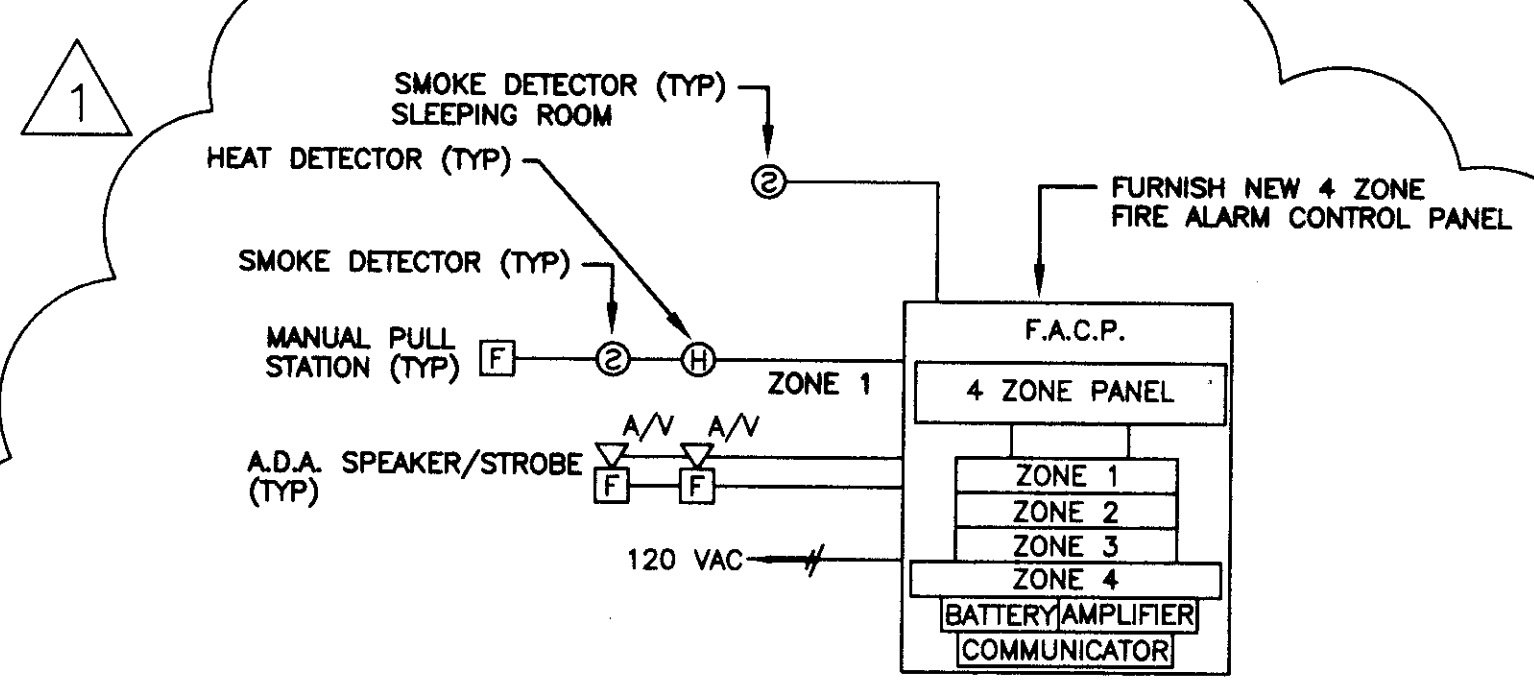
208/120 Volts	
Black	A
Red	B
Blue	C
White	Neutral
Green	Ground
22. Use conductors with factory colors applied the entire length of the conductors. The following field applied color-coding methods may be used in lieu of factory-coded wire for sizes larger than No. 10 AWG: Apply colored, pressure sensitive plastic tape, in half-lapped turns for a distance of 8 inches.
23. All 600-volt wire insulation shall be tested after installation. Tests shall be made at not less than 500-volts.
24. Box size shall be as required by the National Electric Code for the number of conduits and conductors entering and leaving it.
25. Boxes shall be supported independently of conduits entering them. Brackets, rod hangers, bolts, or other suitable supporting methods may be used.
26. Provide circuit breaker type "HACR" for HVAC units as indicated on the plans.
27. Enclosure type shall be NEMA 1 except as shown on the drawings.
28. Motor starters shall be as manufactured by the Square D Co., Siemens, or equal.
29. All electrical circuits are to be grounded as required by code. The installation of a complete conduit system or a separate ground wire or combination of both is allowed.
30. The contractor shall install a total, functional, tested and ready-to-operate system for any motor or otherwise electrically actuated system. This system shall include installation of all auxiliary and ancillary devices, switches, starters, contactors, and alarms they may be associated with the basic system.
31. The contractor shall furnish and install the required wire and conduit, boxes, fittings, etc., necessary for the proper operation and code conformance of such system.
32. Unless otherwise specified, the installation shall conform to the requirements of the National Electric Code.
33. Coordination: The drawings indicate the extent of the general location and arrangement of equipment, conduit, and wiring. The contractor shall become familiar with all details of the work and verify all dimension in the field so that equipment will be properly located and readily accessible. Equipment and materials shall be located to avoid interference with mechanical or structural features. Raceways and junction boxes shall not be supported from sheet metal roof decks.
34. Standard Products: Material and equipment shall be standard product of a manufacturer regularly engaged in the manufacture of the product and shall essentially duplicate items that have been in satisfactory use for at least 2 years prior to bid opening.
35. The work shall be carefully laid out in advance, and where cutting, channeling, chasing, or drilling of other than structural members is necessary for the proper installation, support, or anchorage of the conduit, raceways, or other electrical work, this work shall be carefully done, and any damage to building, piping, or equipment shall be repaired by the skilled mechanics of the trades involved, at no additional cost to the owner.
36. After the system installation is completed, the contractor shall conduct an operating test for approval. The equipment shall be demonstrated to operate in accordance with the requirements of this specification. The test shall be performed in the presence of the owner. The contractor shall furnish all instruments and personnel required for the tests, and the owner will furnish the necessary electric power.
37. The contractor shall provide for training of owner's maintenance personnel in the procedures and schedules involved in operating, troubleshooting, service and preventative maintenance of all systems, provide a minimum of 8 hours training.



1 POWER SYSTEM RISER DIAGRAM SCALE: NONE

GENERAL NOTES FOR ALL DRAWINGS:

1. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERALLY THE LOCATIONS OF THE MATERIAL AND EQUIPMENT. THESE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE.
2. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION AND OPERATION, SHALL BE INCLUDED IN THE CONTRACTOR'S BID, THE SAME AS IF HEREIN SPECIFIED OR SHOWN.
3. ALL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, LOCAL CODES, AND ORDINANCES.
4. ALL CONDUITS ON EXPOSED WORK SHALL BE RUN AT RIGHT ANGLES TO, AND PARALLEL WITH, THE SURROUNDING WALL AND SHALL CONFORM TO THE FORM OF THE CEILING. NO DIAGONAL RUNS WILL BE ALLOWED. BENDS IN PARALLEL CONDUIT RUNS SHALL BE CONCENTRIC. ALL CONDUIT SHALL RUN PERFECTLY STRAIGHT AND TRUE.
5. THE MINIMUM SIZE WIRE SHALL BE #12 AWG. THHN CU. WIRE. THE MINIMUM SIZE CONDUIT SHALL BE 1/2" E.M.T. ALL UNMARKED CONDUIT AND WIRE SHALL BE THE MINIMUM SIZE.
6. ALL CONDUIT RUNS ARE TO BE CONCEALED IN WALLS, CEILING, OR IN THE SLAB. CONTRACTOR SHALL COORDINATE CONDUIT INSTALLATION DURING BUILDING CONSTRUCTION WITH OTHER TRADES. EXPOSED CONDUIT SHALL ONLY BE RUN WHERE MEANS OF CONCEALING DOES NOT EXIST. CONTRACTOR IS TO NOTIFY ENGINEER PRIOR TO RUNNING EXPOSED CONDUITS.
7. CONTRACTOR SHALL USE TYPE MC-METAL CLAD CABLE FOR WIRING FROM RECEPTACLE TO RECEPTACLE AND FROM LIGHT FIXTURE TO LIGHT FIXTURE ONLY UNLESS OTHERWISE INDICATED. ALL HOMERUNS FROM LAST RECEPTACLE OR LIGHT FIXTURE SHALL BE IN E.M.T. CONDUIT. A MAXIMUM OF 3 CIRCUITS CAN BE GROUPED TOGETHER IN HOMERUN CONDUIT. EACH CIRCUIT SHALL HAVE SEPARATE NEUTRAL. GROUPING OF NEUTRALS SHALL NOT BE ACCEPTABLE. EACH CIRCUIT SHALL ALSO HAVE A GROUND WIRE SIZED PER N.E.C. USING CONDUIT OR MC CABLE AS GROUND SHALL NOT BE ACCEPTABLE. CABLE MUST BE SUPPORTED PER N.E.C. GROUPING OF GROUND WIRES 1 GROUND PER 3 CIRCUITS IS ACCEPTABLE.
8. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS FOR CORE DRILLING TO FACILITATE INSTALLATION OF CABLE TRAY AND CONDUIT SHOWN ON THE DRAWINGS. COORDINATE WITH GENERAL CONTRACTOR PRIOR TO CONSTRUCTION.
9. COORDINATE ALL LIGHTING FIXTURE AND CEILING MOUNTED EQUIPMENT LOCATIONS AND MOUNTING WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS FOR SEALING ALL PENETRATIONS THROUGH FIRE AND SMOKE WALLS USING APPROVED SEALANT AND METHODS.
11. ALL COMMUNICATIONS OUTLET LOCATIONS ARE DIAGRAMMATIC AND MUST BE FIELD VERIFIED WITH OWNER'S FURNITURE LOCATIONS PRIOR TO CONSTRUCTION. NO EXTRA COMPENSATION WILL BE GIVEN FOR FAILURE TO VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
12. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT HVAC PANELS WITH MECHANICAL CONTRACTOR AT TIME OF CONSTRUCTION.
13. ALL FEEDERS TO MECHANICAL EQUIPMENT SHALL BE IN EMT CONDUIT USE LIQUID TIGHT FLEXIBLE METAL CONDUIT 6" LENGTH MAX FOR FINAL CONNECTIONS TO MOTORS AND EQUIPMENT.
14. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WORK REQUIREMENTS AND LAYOUT HIS WORK IN A COMPATIBLE AND COMPLEMENTARY MANNER.
15. UNLESS NOTED OTHERWISE, THE EXACT ROUTING OF FEEDER AND BRANCH CIRCUIT RACEWAYS IS THE RESPONSIBILITY OF THE CONTRACTOR.
16. CEILING MOUNTED DEVICES INSTALLED IN ACOUSTICAL TILE CEILING AREAS SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE WITH RODS OF SUFFICIENT SIZE TO PREVENT VERTICAL MOVEMENT OF THE OUTLET BOX. BRIDGES ALONE ARE NOT ADEQUATE. CEILING MOUNTED EXIT LIGHT FIXTURES SHALL BE INSTALLED LEVEL.
17. SEAL ALL CONDUIT OPENINGS THROUGH EXTERIOR BUILDING WALLS WATERTIGHT.
18. RISER AND GENERAL CIRCUIT ARRANGEMENTS ARE SHOWN SCHEMATICALLY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT ROUTING.
19. CONDUCTOR SIZING IS BASED ON 75 DEGREE C. COPPER, UNLESS NOTED OTHERWISE.
20. ALTERNATE MULTIWIRE (COMMON NEUTRAL) RECEPTACLE CIRCUITS SUCH THAT ADJACENT RECEPTACLES ARE ON DIFFERENT CIRCUITS.
21. DO NOT COMBINE BRANCH CIRCUIT HOMERUNS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.
22. COORDINATE WIRING DEVICE MOUNTING HEIGHTS WITH THE ARCHITECTURAL DRAWINGS AND CASEWORK DETAILS.
23. CONNECT EMERGENCY (BATTERY PACK) LIGHTING FIXTURES TO THE UNSWITCHED LIGHTING CIRCUIT SERVING THE SPACE LIGHTED BY THE EMERGENCY FIXTURE.
24. CONNECT EXIT LIGHTS TO LOCKABLE CIRCUIT BREAKER IN THE SERVING PANELBOARDS, CLEARLY MARK THESE BREAKERS "EXIT LIGHTS - LEAVE ON".
25. COORDINATE LIGHTING FIXTURE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.
26. ADJACENT LIGHTING SWITCHES SHALL BE GANGED.
27. SEPARATE NEUTRALS ARE REQUIRED FOR ALL DIMMED LIGHTING CIRCUITS.
28. COORDINATION WITH THE UTILITY COMPANY IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL ELECTRICAL DISTRIBUTION EQUIPMENT (PANELBOARDS, CIRCUIT BREAKERS, SAFETY SWITCHES, ETC.) SHALL AS A MINIMUM BE PROVIDED WITH SHORT CIRCUIT WITHSTAND AND INTERRUPTING RATINGS AS SHOWN IN THE DRAWINGS. COORDINATE ACTUAL FAULT CURRENT AVAILABLE WITH THE SERVING UTILITY COMPANY AND ADJUST RATING AS APPROPRIATE. PROVIDE DEVICES WITH CURRENT LIMITING CHARACTERISTICS AS REQUIRED TO SAFELY FUNCTION AND PROTECT THE DISTRIBUTION SYSTEM.
29. PROVIDE NATIONAL ELECTRICAL CODE REQUIRED CLEARANCES FOR ALL ELECTRICAL EQUIPMENT. COORDINATE RESOLUTION OF CONFLICTS BEFORE ROUGH-IN.
30. TELECOMMUNICATIONS AND DATA CABLES WILL BE PROVIDED AND INSTALLED BY THE OWNER. LEAVE PULL WIRES OR ROPES OF ADEQUATE TENSILE STRENGTH IN ALL NEW CONDUITS.
31. SPACING OF SMOKE AND HEAT DETECTORS AND A/V DEVICES SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE WITH POSITIONS SHOWN ON THE DRAWINGS. DETECTOR SPACING IS BASED UPON NFPA 72 INCLUDING APPENDIX A. HEIGHT ADJUSTMENTS MAY BE MADE IN SPACING IF REQUIRED BY FIELD CONDITIONS, BUT SPACING SHALL NOT EXCEED ADA, NFPA AND EQUIPMENT MANUFACTURERS SPACING CRITERIA.



NOTE:

1. ALL FIRE ALARM WIRING SHALL BE INSTALLED IN E.M.T. CONDUIT MINIMUM 1/2" TRADE SIZE.
2. CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL EQUIPMENT SHOWN ON THIS RISER DIAGRAM.

2 FIRE ALARM RISER DIAGRAM SCALE: NONE

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APNEA CARE

YOUNGS ROAD
AMHERST, NEW YORK

ELECTRICAL SYMBOLS
AND SPECIFICATIONS

REVISION 1 PER TOWN OF AMHERST 9/10/01

JOB NO
1001N.33
4-27-01
DATE



SILVESTRI
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APNEA CARE

YOUNGS ROAD
 AMHERST, NEW YORK

LIGHTING PLAN

REVISION 1 PER TOWN OF AMHERST 9/10/01

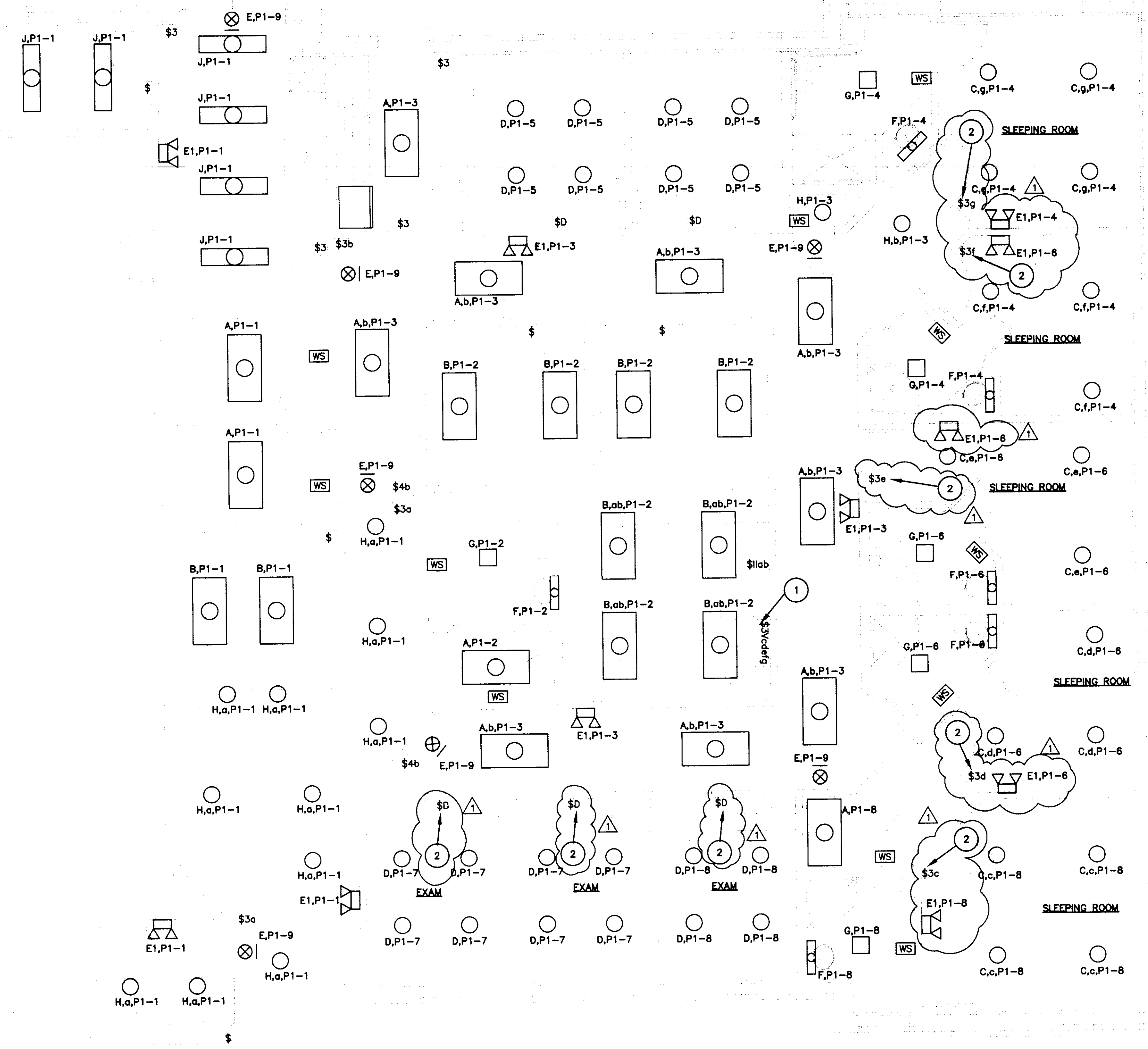
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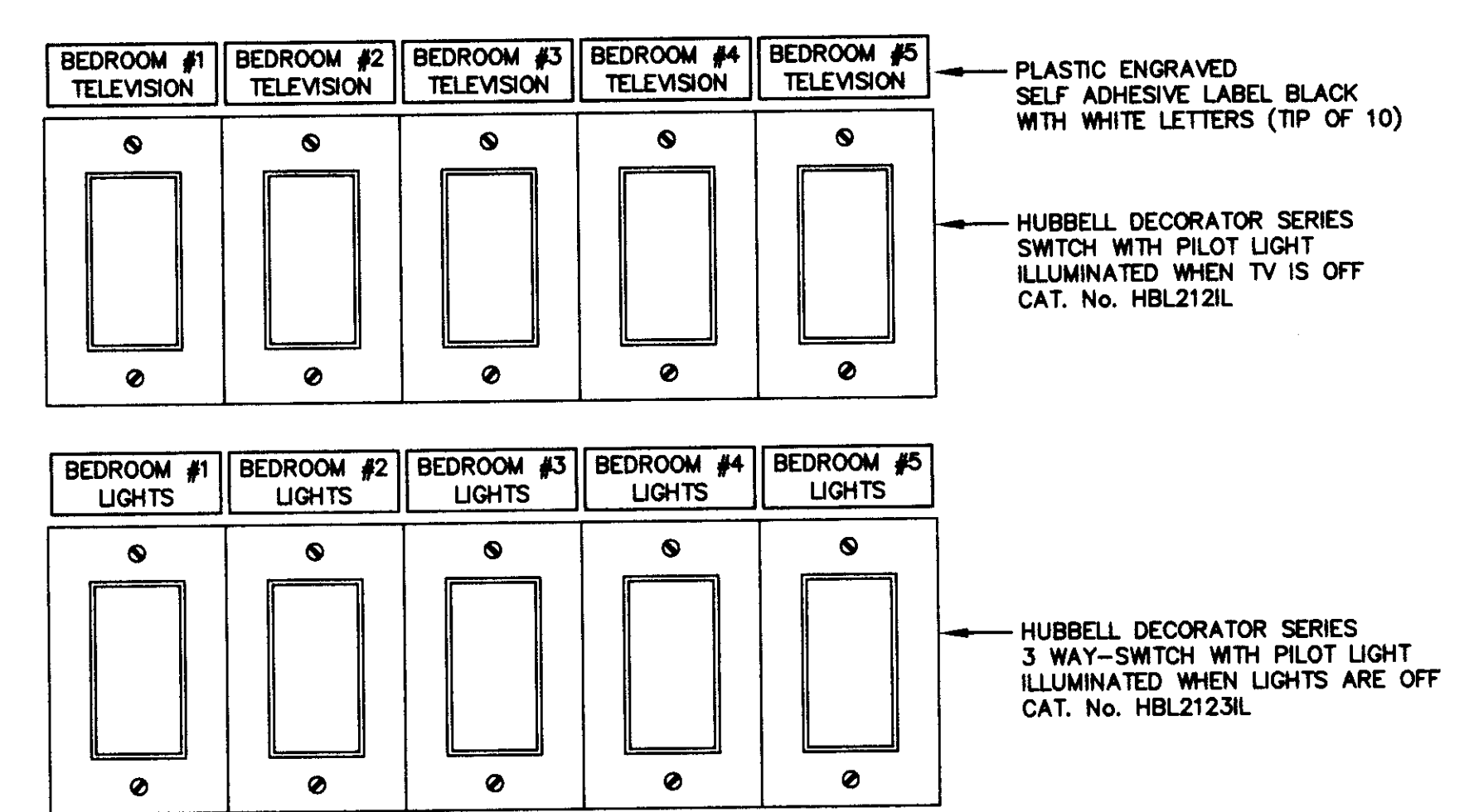
DRAWING E-2



LIGHT FIXTURE SCHEDULE:

TYPE	DESCRIPTION	LENS	BALLAST	LAMPS
A	2' x 4' RECESSED LIGHT FIXTURE, DIE FORMED CODE GAUGE, COLD ROLLED STEEL, BAKED WHITE ENAMEL FINISH, MINIMUM 865 REFLECTANCE FOR INSTALLATION IN GRID CEILING AS MANUFACTURED BY USI COLUMBIA CAT. No. J24-2320-FS-A12-EB8	ACRYLIC PRISMATIC K-12 PATTERN	T-8 OCTRON ELECTRONIC 120V 1 PER FIXTURE	PHILIPS F32T8/TL841/ALTO LOW MERCURY 2 PER FIXTURE
B	2' x 4' RECESSED LIGHT FIXTURE, DIE FORMED CODE GAUGE, COLD ROLLED STEEL, BAKED WHITE ENAMEL FINISH, MINIMUM 865 REFLECTANCE FOR INSTALLATION IN GRID CEILING AS MANUFACTURED BY USI COLUMBIA CAT. No. J24-4320-FS-A12-EB8	ACRYLIC PRISMATIC K-12 PATTERN	T-8 OCTRON ELECTRONIC 120V 2 PER FIXTURE	PHILIPS F32T8/TL841/ALTO LOW MERCURY 4 PER FIXTURE
C	8" ROUND RECESSED INCANDESCENT LIGHT FIXTURE MADE OF COLD ROLLED STEEL WITH MEDIUM BASE PORCELAIN SOCKET AND UNIVERSAL MOUNTING BRACKETS WITH CLEAR ALZAK REFLECTOR AS MANUFACTURED BY INDY CAT. No. 200R-81-SA	OPEN	N/A	100 WATT A19 INCANDESCENT 1 PER FIXTURE
D	8" ROUND RECESSED INCANDESCENT LIGHT FIXTURE MADE OF COLD ROLLED STEEL WITH MEDIUM BASE PORCELAIN SOCKET AND UNIVERSAL MOUNTING BRACKETS WITH CLEAR ALZAK REFLECTOR AS MANUFACTURED BY INDY CAT. No. 203R-81-SA	OPEN	N/A	150 WATT PAR38 INCANDESCENT 1 PER FIXTURE
E	SINGLE OR DOUBLE FACED UNIVERSAL MOUNTED EXIT SIGN, HEAVY DUTY DIE CAST ALUMINUM LETTERS WITH RED LED LIGHTS, ARROWS INDICATED DIRECTION. PROVIDE BUILT IN BATTERY BACKUP WITH SELF-DIAGNOSTIC TESTING. AS MANUFACTURED BY PRESCOLITE CAT. No. EDC2RENB8A	BRUSHED ALUMINUM	N/A	LED
E1	EMERGENCY LIGHT COMPLETELY SELF CONTAINED UNIT WITH FULLY AUTOMATIC OPERATION. COMPACT LOW-PROFILE DESIGN WITH PREMIUM GRADE PURE LEAD. MAINTENANCE FREE BATTERY WITH 15 YEAR EXPECTED LIFE WITH FIXED LENS AND ADJUSTABLE LAMP SOCKET AS MANUFACTURED BY PRESCOLITE CAT. No. EMAX	ACRYLIC FRESNEL	N/A	INCLUDED WITH FIXTURE
F	WALL MOUNTED INCANDESCENT WALL BRACKET WITH FOUR LAMPS AND BENT GLASS FROSTED SHADE 24" LONG AS MANUFACTURED BY THOMAS DECORATIVE CAT. No. SL285	FROSTED GLASS	N/A	40 WATT INCANDESCENT
G	FAN/LIGHT COMBO COMMERCIAL DUTY BROWN CAT. No. HDB0L 80 CFM	PLASTIC	N/A	75 WATT INCANDESCENT
H	ROUND RECESSED FLUORESCENT LIGHT FIXTURE WITH CLEAR ALZAK REFLECTOR AS MANUFACTURED BY PRESCOLITE OF TB32HEB-STF902H OR EQUAL	CLEAR ALZAK REFLECTOR	ELECTRONIC 120V	26 WATT COMPACT FLUORESCENT 2 PER FIXTURE
J	1'x4' SURFACE/PENDANT MOUNTED WRAPAROUND FIXTURE MADE OF DIE FORMED STEEL WITH BAKED WHITE ENAMEL FINISH AS MANUFACTURED BY USI COLUMBIA CAT. No. WC4-232-EB8 OR EQUAL	ACRYLIC PRISMATIC K-12 PATTERN	T-8 OCTRON ELECTRONIC 120V 1 PER FIXTURE	PHILIPS F32T8/TL841/ALTO LOW MERCURY 2 PER FIXTURE
AA	EXTERIOR WALL MOUNTED HID LIGHT FIXTURE MADE OF ONE PIECE, HEAVY DUTY, DIE CAST ALUMINUM AS MANUFACTURED BY LITHONIA CAT. No. TWAC-100M-120V	POLYCARBONATE	100 WATT METAL HALIDE PULSE START 1 PER FIXTURE	100 WATT METAL HALIDE

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



CONTROL SWITCH LAYOUT
 SCALE: NONE

CONSTRUCTION NOTES:

- INSTALL CONTROL SWITCHES ON WALL MOUNTED ABOVE COUNTER HEIGHT. FOR 3 WAY CONTROL OF BEDROOM LIGHTING. REFER TO DETAIL No. 1 THIS DRAWING.
- ALL WIRING FROM PATIENT SLEEPING ROOMS AND EXAM ROOMS TO THE PANELBOARD SHALL BE DONE IN EMT CONDUIT OR HEALTH CARE RATED TYPE METAL GLAD CABLE (HMC). WIRING IN THESE AREAS SHALL COMPLY WITH NATIONAL ELECTRIC CODE ARTICLE 517-13.

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YOUNGS ROAD
AMHERST, NEW YORK

POWER PLAN

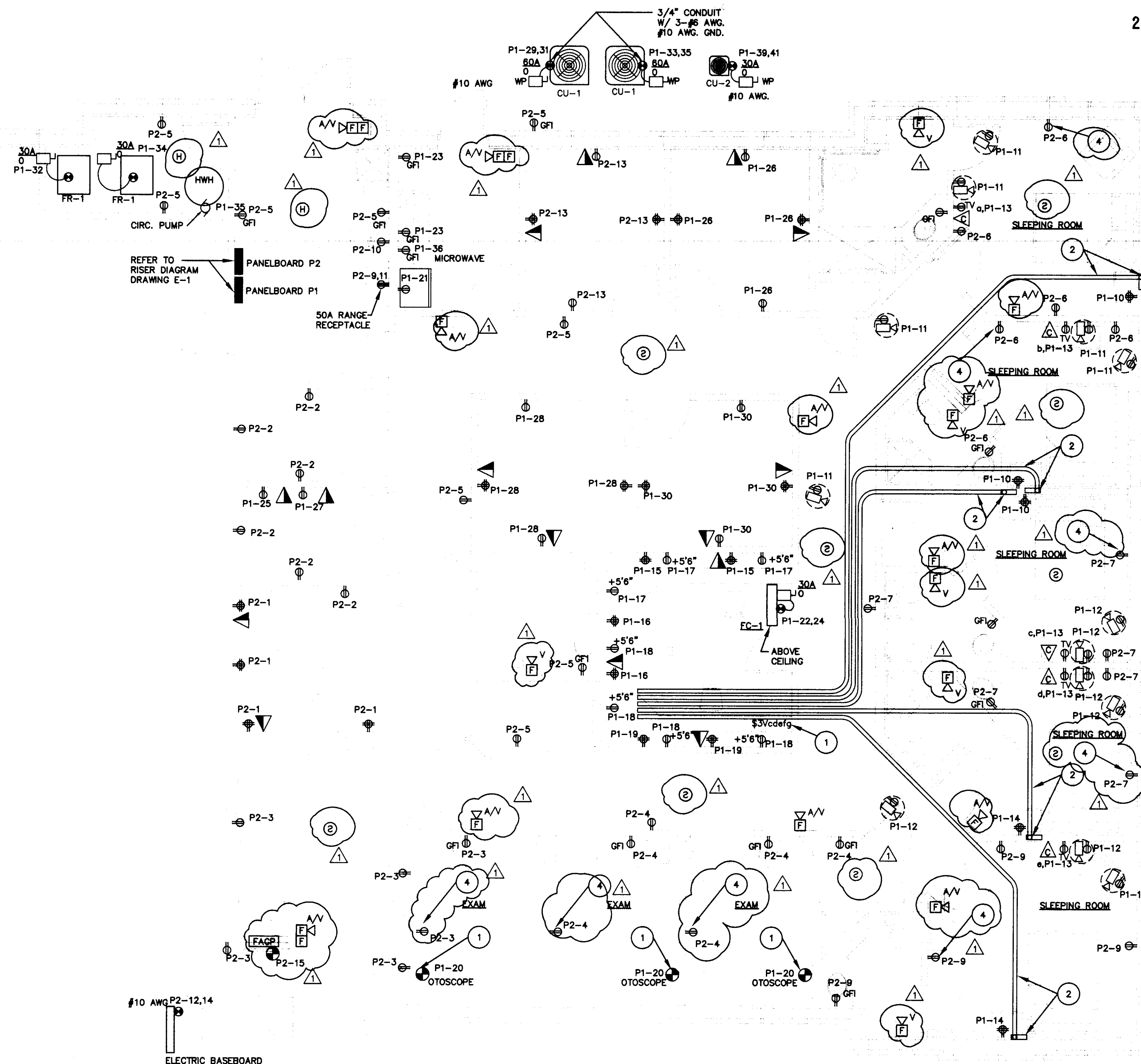
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POWER PLAN
SCALE: 1/4"=1'-0"

CONSTRUCTION NOTES:

1. INSTALL CONTROL SWITCHES ON WALL MOUNTED ABOVE COUNTER HEIGHT. FOR CONTROL OF TELEVISIONS. REFER TO DETAIL No. 1 DRAWING E2.
2. CONTRACTOR SHALL FURNISH AND INSTALL 3" E.M.T. CONDUIT WITH PULLSTRING THE ENTIRE LENGTH. INSTALL PULL BOX BEHIND NIGHTSTAND IN BEDROOM AND STUB CONDUIT ABOVE CEILING IN CONTROL ROOM. COORDINATE EXACT BOX LOCATION WITH OWNER PRIOR TO CONSTRUCTION.
3. COORDINATE OTOSCOPE MOUNTING AND LOCATION WITH OWNER PRIOR TO CONSTRUCTION.
4. ALL WIRING FROM PATIENT SLEEPING ROOMS AND EXAM ROOMS TO THE PANELBOARD SHALL BE DONE IN EMT CONDUIT OR HEALTH CARE RATED TYPE METAL CLAD CABLE (HMC). WIRING IN THESE AREA'S SHALL COMPLY WITH NATIONAL ELECTRIC CODE ARTICLE 517-13.

P1		VOLTS 208		3 PH		4 WIRE		60 HZ		
PANELBOARD		MAINS MCB 225A		MLO		MOUNTING SURFACE				
LOCATION		ENCLOSURE NEMA 1 AIC RATING 10KA								
No	BKR	DESCRIPTION	LOAD	L1	L2	L3	LOAD	DESCRIPTION	BKR	No
1	1R-20A	LIGHTS	1738	3258			1520	LIGHTS	1R-20A	2
3	1R-20A	LIGHTS	831	2089			1268	LIGHTS	1R-20A	4
5	1R-20A	LIGHTS	1200			2458	1268	LIGHTS	1R-20A	8
7	1R-20A	LIGHTS	1200	2558			1368	ROOM RECEPTACLES	1R-20A	8
9	1R-20A	EXIT LIGHTS	100		1180		1080	CAMERA'S	1R-20A	10
11	1R-20A	CAMERA'S	200			400	200	ROOM RECEPTACLES	1R-20A	12
13	1R-20A	TELEVISIONS	600	1320			720	ROOM RECEPTACLES	1R-20A	14
15	1R-20A	CONTROL ROOM RECEPTACLES	720		1440		720	CONTROL ROOM RECEPTACLES	1R-20A	16
17	1R-20A	MONITORS IN CONTROL ROOM	360			600	240	MONITORS IN CONTROL ROOM	1R-20A	16
19	1R-20A	CONTROL ROOM RECEPTACLES	720	1080			360	OTOSCOPE	1R-20A	20
21	1R-20A	REFRIGERATOR	1080		1964		864	FC-1	2R-15A	22
23	1R-20A	KITCHEN RECEPTACLES	360			1244	864			24
25	1R-20A	COFFER	1200	2280			1080	OFFICE RECEPTACLES	1R-20A	26
27	1R-20A	FAX MACHINE	1200		2280		1080	OFFICE RECEPTACLES	1R-20A	28
29	2R-60A	CU-1	3590			4670	1080	OFFICE RECEPTACLES	1R-20A	30
31	2R-60A	CU-1	3590	4922			1332	FR-1	1R-30A	32
33	2R-60A	CU-1	3590			4922	1332	FR-1	1R-30A	34
35	2R-60A	CU-1	3590			4922	1100	MICROWAVE	1R-20A	36
37	1R-20A	CIRCULATION PUMP	530	6276			5775	PANELBOARD P2	3R-70A	38
39	2R-15A	CU-2	696		6596		8900			40
41			896			8031	7336			42

P2		VOLTS 208		3 PH		4 WIRE		60 HZ		
PANELBOARD		MAINS MCB		MLO		MOUNTING SURFACE				
LOCATION		ENCLOSURE NEMA 1 AIC RATING 10KA								
No	BKR	DESCRIPTION	LOAD	L1	L2	L3	LOAD	DESCRIPTION	BKR	No
1	1R-20A	RECEPTACLES	1260	2520			1260	RECEPTACLES	1R-20A	2
3	1R-20A	RECEPTACLES	1260		2520		1260	RECEPTACLES	1R-20A	4
5	1R-20A	RECEPTACLES	1080			2160	1080	RECEPTACLES	1R-20A	6
7	1R-20A	RECEPTACLES	1080	2160			6960	RECEPTACLES	1R-20A	8
9	2R-50A	RANGE	4800			6960	1080	WASHER	1R-20A	10
11			4800			5175	375	HEATER		12
13	1R-20A	RECEPTACLES	720	1085			375		2R-20A	14
15	1R-20A	FACP	600		900					16
17						0				18
19						0				20
21						0				22
23						0				24
25						0				26
27						0				28
29						0				30

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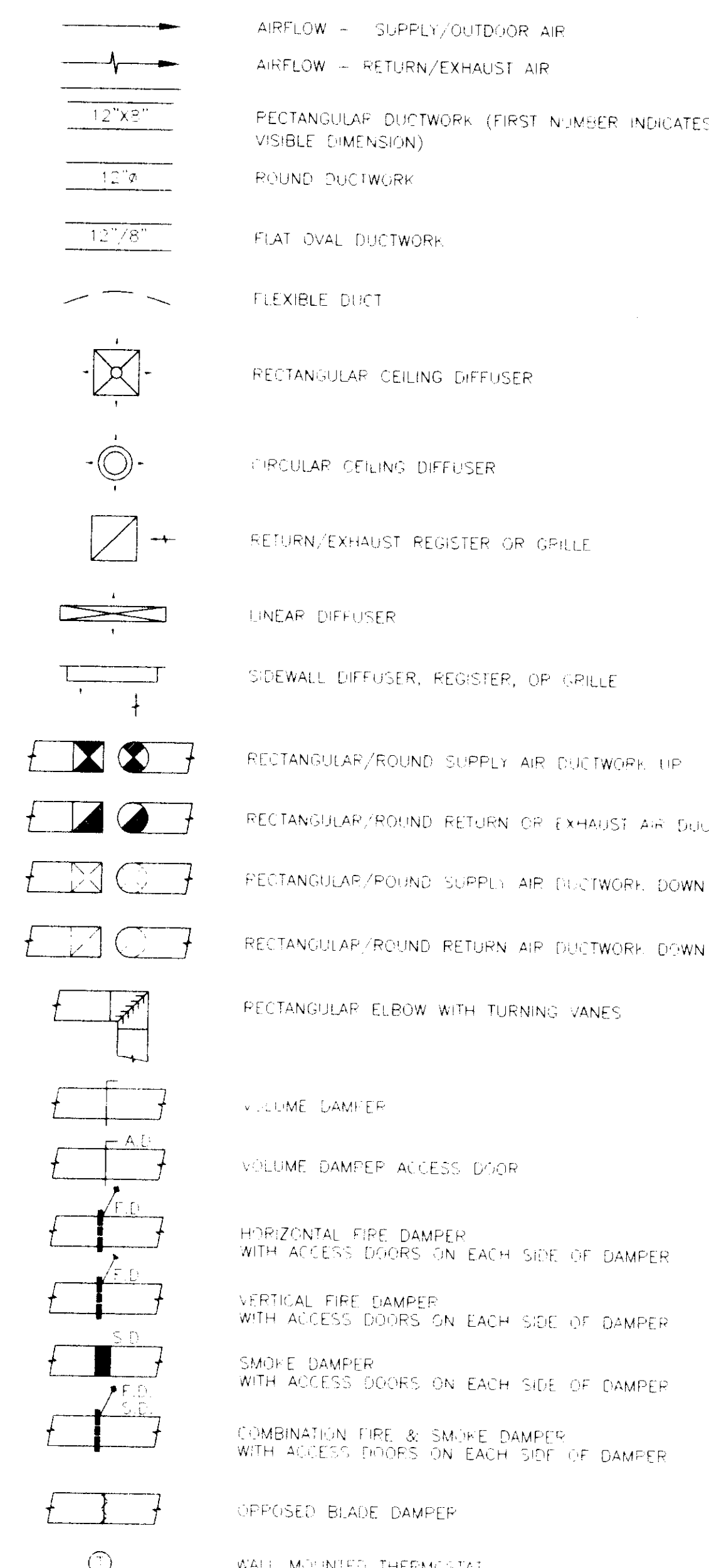
HVAC ABBREVIATIONS

ABOVE	ABV	HORSEPOWER	HP
ABOVE FINISHED FLOOR	AF	INCHES (WATER COLUMN)	IN. W.
ACCESS DOOR	ACC	INCHES (WATER COLUMN)	INCH.
AIR CONDITIONING	AC	INVERT	INV.
AIR CONDITIONING UNIT	ACU	IONIZATION DETECTOR	ID
AIR COOLED CONDENSER	ACC	IRIN PIPE SIZE	IPS
AIR COOLED CONDENSING UNIT	ACCU	KILOWATT	KW
AIR HANDLING UNIT	AHU	KILOWATT HOUR	KWH
AIR SEPARATOR	AS	LATEX HEAT	LHT
AIR VENT	AV	LEAST MEAN TEMP DIFFERENCE	LMTD
ALARM	ALM	LEAVING AIR TEMPERATURE	LAT
ALTERNATING CURRENT	AC	LEAVING WATER TEMPERATURE	LWT
AQUASTAT	AQST	LIQUID PETROLEUM GAS	LPG
ARCHITECTURAL	ARCH	LOCKED MOTOR AMPS	LMP
ARCHITECT/ENGINEER	A/E	LOWER	LVR
AUTOMATIC	AUTO	LOW PRESSURE CONDENSATE	LPC
AUTOMATIC AIR VENT	AAV	LOW PRESSURE STEAM	LPS
BACKDRAFT DAMPER	BDD	LOAD BTUH	MBH
BALANCING VALVE	BAL V	MAKE-UP AIR UNIT	MUA
BALL VALVE	BV	MANUFACTURER	MFR
BOILER	BLP	MATCHLINE	ML
BOILER FEED WATER	BFW	MECHANICAL	MECH
BOILER HORSEPOWER	BHP	MECHANICAL JOINT	MJ
BRAKE HORSEPOWER	BHP	MEDIUM PRESSURE CONDENSATE	MPC
BRITISH THERMAL UNITS (1000) PER HOUR	MBH	MEDIUM PRESSURE STEAM	MPS
BRITISH THERMAL UNITS PER HOUR	BTUH	MINIMUM CURVE AMPS	MCA
BUILDING	BLDG	MIXED AIR TEMPERATURE	MAT
BUTTERFLY VALVE	BFV	MOTOR CENTER	MOC
CABINET HEATER	CH	MOTOR OPERATED DAMPER	MOD
CENTER LINE	CL	MULTI ZONE	MZ
CHECK VALVE	CV	NOISE CRITERIA	NC
CHEMICAL FEED PUMP	CFP	NOISE REDUCTION	NR
CHILLED WATER RETURN	CHWR	NORMALLY CLOSED	NC
CHILLED WATER SUPPLY	CHWS	NORMALLY OPEN	NO
CHILLER	CH	NOT TO SCALE	NTS
COLD WATER	CW	OPEN ENDED DUCT	OED
CONDENSATE DRAIN	CWD	OUTLET VELOCITY	OV
CONDENSER WATER RETURN	CWR	OUTSIDE AIR	OSA
CONDENSER WATER SUPPLY	CWS	PERFORATED	PERF
CONNECTION	CON	PHASE	PH
CONTRACT LIMIT LINE	CLL	PLUMBING	PLB
CONTRACTOR	CONTR	PNEUMATIC	PNEU
CONTROL VALVE	CV	POUNDS PER SQUARE INCH	PSI
COOLING COIL	CC	POUNDS PER SQUARE INCH ABSOLUTE	PSIA
COOLING TOWER	CT	POUNDS PER SQUARE INCH GAGE	PSIG
CURVE FEET PER MINUTE	CFM	POWER FACTOR	PF
CYCLE	CY	PRESSURE DROP	PD
DETAIL	DTL	PRESSURE REGULATING VALVE	PRV
DIAMETER	DI	PROJECT	PROJ
DIFFUSER	DIFF	PUMP DISCHARGE LINE	PDL
DOUBLE POLE, DOUBLE THROW	DPDT	REFRIGERANT LIQUID	RL
DOUBLE POLE, SINGLE THROW	DPST	REFRIGERANT SUCTON	RS
DOWN	DN	RELATIVE HUMIDITY	RH
DRAWING	DWG	REQUIRED	REQD
DRY BULB	DB	RETURN AIR	RA
DRY BULB TEMPERATURE RETURN	DRB	RETURN AIR FAN	RAF
DRY BULB TEMPERATURE SUPPLY	DRS	REVISIONS PER MINUTE	RPM
ELECTRICIAN	ELC	ROTOR HNT	RHT
ELECTRICAL	ELC	RUNNING LOAD AMPS	RLA
ENGINEER	ENGR	SCHEDULE	SCHED
ENTERING AIR TEMPERATURE	EAT	SECTION	SECT
ENTERING WATER TEMPERATURE	EWT	SENSIBLE HEAT	SH
EQUIPMENT	EQUIP	SINGLE POLE, DOUBLE THROW	SPDT
EXHAUST	EX	SINGLE POLE, SINGLE THROW	SPST
EXHAUST AIR FAN	EXAF	SLEEVE	SLV
EXISTING	EXST	SMOKE DAMPER	SDM
EXPANSION TANK	EXP T	SPECIFICATIONS	SPEL
EXPOSURE ERROR	ERR	SPLITTER DAMPER	SD
FAN FLOW UNIT	FU	SQUARE FOOT	SQ FT
FEED WATER	FW	SUPERVISORY SWITCH	SS
FEET PER MINUTE	FPM	SUPPLY AIR	SA
FIRE ALARM	FA	SUPPLY AIR FAN	SAF
FIRE DAMPER	FD	SWITCH	SW
FLEXIBLE DUCT	FLEX D	TEMPERATURE	TEMP
FLEXIBLE CONNECTION	FLEX CONN	TEMPERATURE CONTROL PANEL	TC
FLOAT AND THERMOSTATIC	FAT	TEMPERATURE CONTROL VALVE	TCV
FLOW SWITCH	FS	TERMINAL UNIT	TU
FUEL OIL	FO	THERMOSTAT	T
FUEL OIL RETURN	FOR	THERMOSTATIC TRAP	TT
FUEL OIL SUPPLY	FOS	TOTAL PRESSURE	TP
GAL. MIN	GM	UNDER FLOOR DUCT	UFD
GALLONS PER MINUTE	GPM	UNIT HEATER	UH
GAS	GA	UNIT VENTILATOR	UV
GATE VALVE	GV	UNLESS OTHERWISE NOTED	UNLESS
GENERAL CONTRACTOR	GC	UTILITY	UTL
GLOBE RETURN	GR	VALVE	V
GLOBE SUPPLY	GS	VARIABLE AIR VOLUME	VAV
HEAT PUMP LOOP SUPPLY	HPLS	VARIABLE FREQUENCY DRIVE	VFD
HEAT PUMP LOOP RETURN	HPLR	VERIFY IN FIELD	VIF
MANUFACTURER'S DATA	MFD	VERTICAL UNIT HEATER	VUH
HEATING, VENTILATION, AIR CONDITIONING	HVAC	VOLUME DAMPER	VD
HEATING COIL	HWC	WALL DOOR AND SCREEN	WDS
HEATING WATER RETURN	HWR	WATER SOLUBLE HEAT PUMP	WSHP
HEATING WATER SUPPLY	HWS	WATER COLUMN	WC
HERTZ	HZ		
HIGH PRESSURE CONDENSATE	HPC		
HIGH PRESSURE STEAM	HPS		
CABINET UNIT HEATER	CUH		
CONDENSATE STEAM PUMP	CS		
CONDENSATE WATER PUMP	CWP		
CHILLED WATER PUMP	CHWP		

GENERAL NOTES

- THIS LEGEND SHEET IS FOR THE HVAC CONTRACTOR'S REFERENCE ONLY. IT IS SUBJECT TO ANY AND/OR ABBREVIATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR DELETIONS TO THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/OR EXCLUSION OF ANY PARTICULAR ITEMS FROM THE PROJECT.
- THE PLANS ARE DIMENSIONED AND INDICATE ONLY THE SIZE AND GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. EXACT LOCATION OF ALL ELEMENTS SHALL BE DETERMINED AS WORK PROGRESSES. IN COOPERATION AND CONSULTATION WITH THE WORKER, ALL TRADES, THEY ARE NOT INTENDED TO SHOW EVERY ITEM OF WORK OR MINOR PIPING TO EQUIPMENT. CONTRACTOR SHALL FURNISH AND INSTALL WITHOUT ADDITIONAL REMUNERATION ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
- ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH THE DRAWINGS AND THE SPECIFICATIONS.
- DRAWINGS DO NOT INDICATE ALL REPEATED CHANGES, ELEVATION, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL MAKE SUCH CHANGES IN PIPING AND LOCATION OF EQUIPMENT, ETC. TO ACCOMMODATE WORK, OBSTACLES, AND WORK OF OTHER CONTRACTORS.
- INSTALL EQUIPMENT AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION, SERVICE, AND MAINTENANCE OF EQUIPMENT.
- PIPING AND/OR DUCTS PENETRATING ONE FLOOR AND FLOORS SHALL BE SUBSTOPPED AS SPECIFIED. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR WALL AND FLOOR LOCATIONS.
- ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DRIVES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS PERCEIVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THESE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF EQUIPMENT.

HVAC SYMBOLS-DUCTWORK



SPECIFICATIONS

- DUCTWORK AND ACCESSORIES
- MATERIAL SHALL BE GALVANIZED STEEL. PROVIDE AND INSTALL DUCTWORK PER SMACNA DUCT CONSTRUCTION STANDARDS.
 - DUCTWORK SHALL BE DESIGNED FOR 2" W.G. AND SEAL TRANSVERSE JOINTS PER NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE.
 - INTULATED SUPPLY AIR DUCTWORK WITH MINIMUM R-3.5 IN. ADD-ON INSULATION WITH NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE. PROVIDE VAPOR BARRIER.
- BALANCING
- BALANCE AIR DISTRIBUTION TO PROVIDE THE FLOWS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL SUBMIT TO THE ENGINEER TWO (2) COPIES OF THE FINAL BALANCING REPORT FOR COMPLIANCE REVIEW.
 - CONTRACTOR SHALL INCLUDE TWO (2) ADDITIONAL VISITS TO CHECK AND ADJUST AIR DISTRIBUTION AT REQUEST OF OWNER OR ENGINEER.

DIFFUSER SCHEDULE							REGISTER/GRILLE SCHEDULE					
PLAN DESIGNATION	MANUFACTURER MODEL NO.	TYPE	NECK SIZE (IN.)	FACE SIZE (IN.)	PATTERN	REMARKS	PLAN DESIGNATION	MANUFACTURER MODEL NO.	TYPE	NECK SIZE (IN.)	FACE SIZE (IN.)	REMARKS
D-1	TITUS IMS	SO. CEILING STEEL	SEE PLANS	24x24	4 WAY	1	ALL RETURN GRILLES	TITUS 50R	EGGCRATE STEEL	NA	24x24	1
D-2	ACUTHERM THERMA-FUSER TF-HC	SO. CEILING STEEL	SEE PLANS	24x24	4 WAY	2						
D-3	TITUS 271RS	SURFACE MT. STEEL	6x6	8x8	SINGLE DEF	1						

- NOTES:
- WITH OPPOSED BLADE DAMPER
 - THERMALLY CONTROLLED DIFFUSER.

GAS FIRED FURNACE SCHEDULE (FR)													
PLAN DESIGNATION	MANUFACTURER MODEL NO.	LOCATION	ARRANGEMENT	AIR FLOW RATE (CFM)	MIN. G.A. CFM (OCCUPIED)	EXTERNAL SUPPLY AIR (N.W.C.)	HEATING (GAS)			ELECTRICAL DATA		ACCESSORIES	
							INPUT (MBH)	OUTPUT (MBH)	APUE (%)	MOTOR HP	MOTOR RPM	VOLTS/PHASE	
FR-1	CARRIER 58MCA140140020	FIRST FLOOR	UPRIGHT	2,000	400	5	138	129	93	3/4	X	110/1	1,2,7
FR-2	CARRIER 58MCA140140020	FIRST FLOOR	UPRIGHT	2,000	400	5	138	129	93	3/4	X	110/1	1,2,7

- NOTES:
- PROGRAMMABLE THERMOSTAT
 - CONCENTRIC VENT KIT
 - DX COOLING COIL, CARRIER MODEL# CDDA-060

AIR COOLED CONDENSER SCHEDULE (CU)												
PLAN DESIGNATION	MANUFACTURER MODEL NO.	LOCATION	APPLICATED EQUIPMENT	NUM. OF COILS (TONS)	AMBIENT TEMP (°F)	NUMBER OF FANS	AIR FLOW RATE (CFM)	AIR FLOW RATE (GPM)	REF. LEAKY TIME	ACCESSORIES		
CU-1	CARRIER 3879-B-060-33	PAD MOUNTED	FR-1	5	95	1	2800	1/4	140/1	R-22	1-9	
CU-2	CARRIER 3879-B-060-33	PAD MOUNTED	FR-2	5	95	1	2800	1/4	140/1	R-22	1-9	

- NOTES:
- CRANK-CASE HEATER
 - CYCLE PROTECTOR
 - EVAPORATOR FREEZE THERMOSTAT
 - FILTER DRYER
 - LOW-AMBIENT CONTROLLER
 - LOW-AMBIENT PRESSURE SWITCH
 - LOW PRESSURE SWITCH
 - MOTOR MASTER CONTROL
 - WINTER START CONTROL

GAS FIRED UNIT HEATER SCHEDULE (UH)									
PLAN DESIGNATION	MANUFACTURER MODEL NO.	TYPE	AIR FLOW RATE (CFM)	INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	VENT SIZE (IN.)	ELECTRICAL DATA		REMARKS
							HP	VOLTS/PH	
UH-1	DAVITON 30255	VERTICAL	400	25	20	3	1/100	115/1	1

- NOTES:
- PROVIDE THERMOSTAT

DUCTLESS SPLIT SYSTEM AIR CONDITIONER SCHEDULE (DSS)											
PLAN DESIGNATION	MANUFACTURER MODEL NO.	LOCATION	AIR FLOW (CFM)	COOLING CAPACITY (MBH)	ELECTRICAL DATA			CONDENSING UNIT (OUTDOOR)			REMARKS
					WATTS	VOLTS/PH	MANUFACT. MODEL NO.	TOTAL MBH	SENSIBLE MBH	VOLTS/PH	
DSS-1/OU-3	EM SC-12	CONTROL ROOM CEILING	300-400	12.2	X	208/1	EM SC-12	12	X	115/1	1,2

- NOTES:
- WITH ELECTRIC HEAT 1.5kW
 - WITH 24V REMOTE THERMOSTAT
 - LOW AMBIENT CONTROL
 - HANGING KIT
 - REFRIGERANT LINE SET

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APNEA CARE

YOUNGS ROAD
AMHERST, NEW YORK

HVAC GENERAL NOTES,
SYMBOLS AND
ABBREVIATIONS

RECEIVED
JUL 17 2001
TOWN OF AMHERST
BUILDING DEPT.

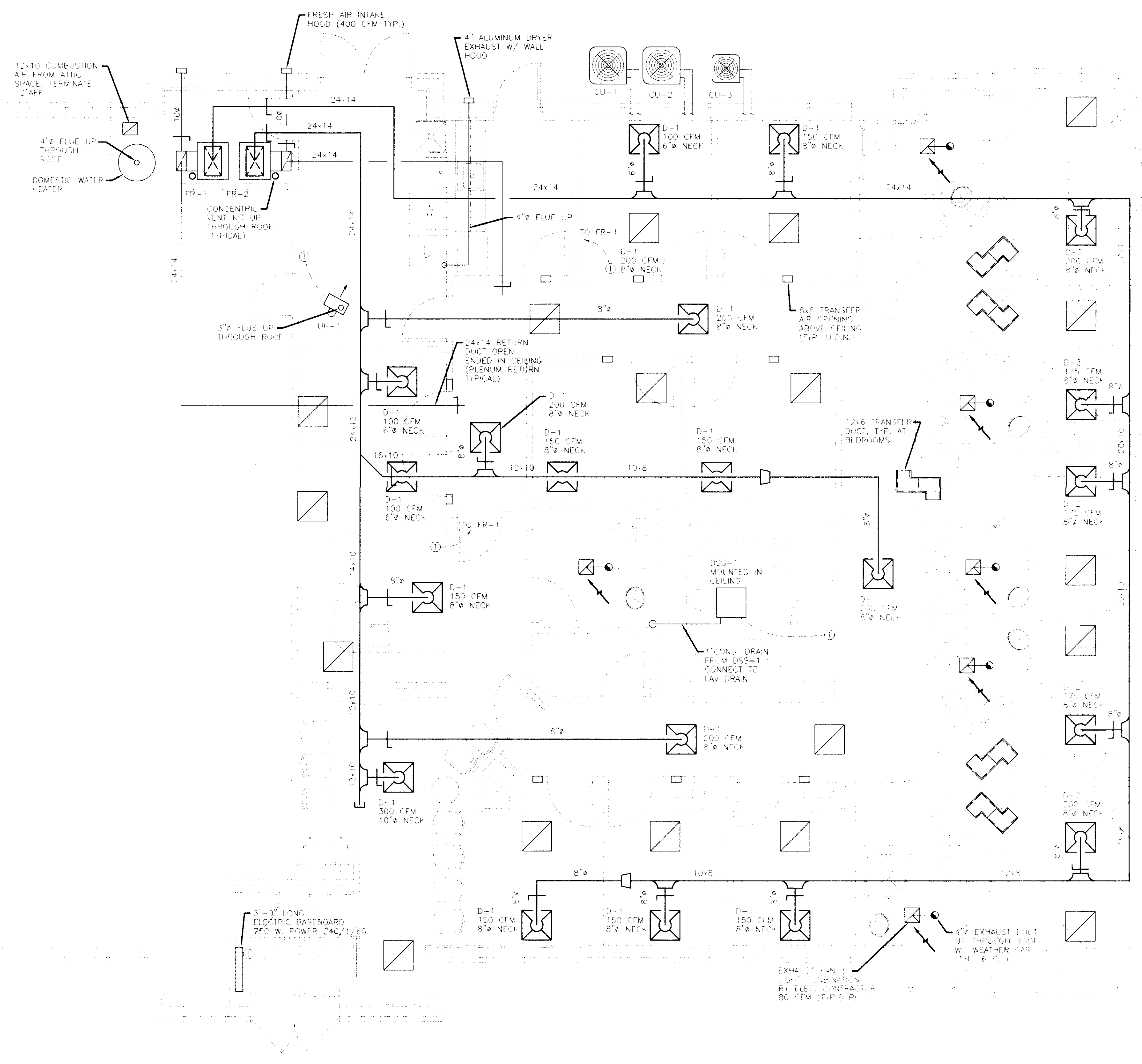
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JOB NO
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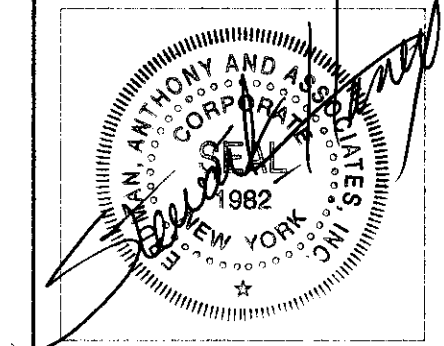


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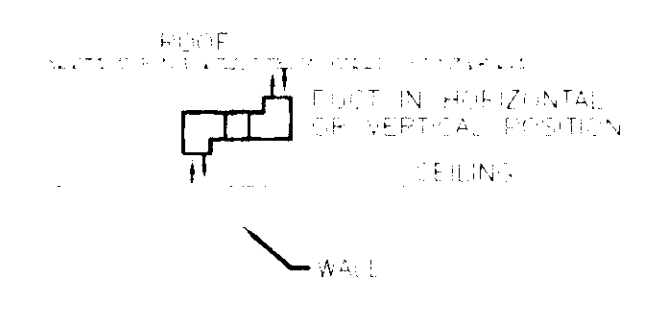
YOUNGS ROAD
AMHERST, NEW YORK

HVAC PLAN

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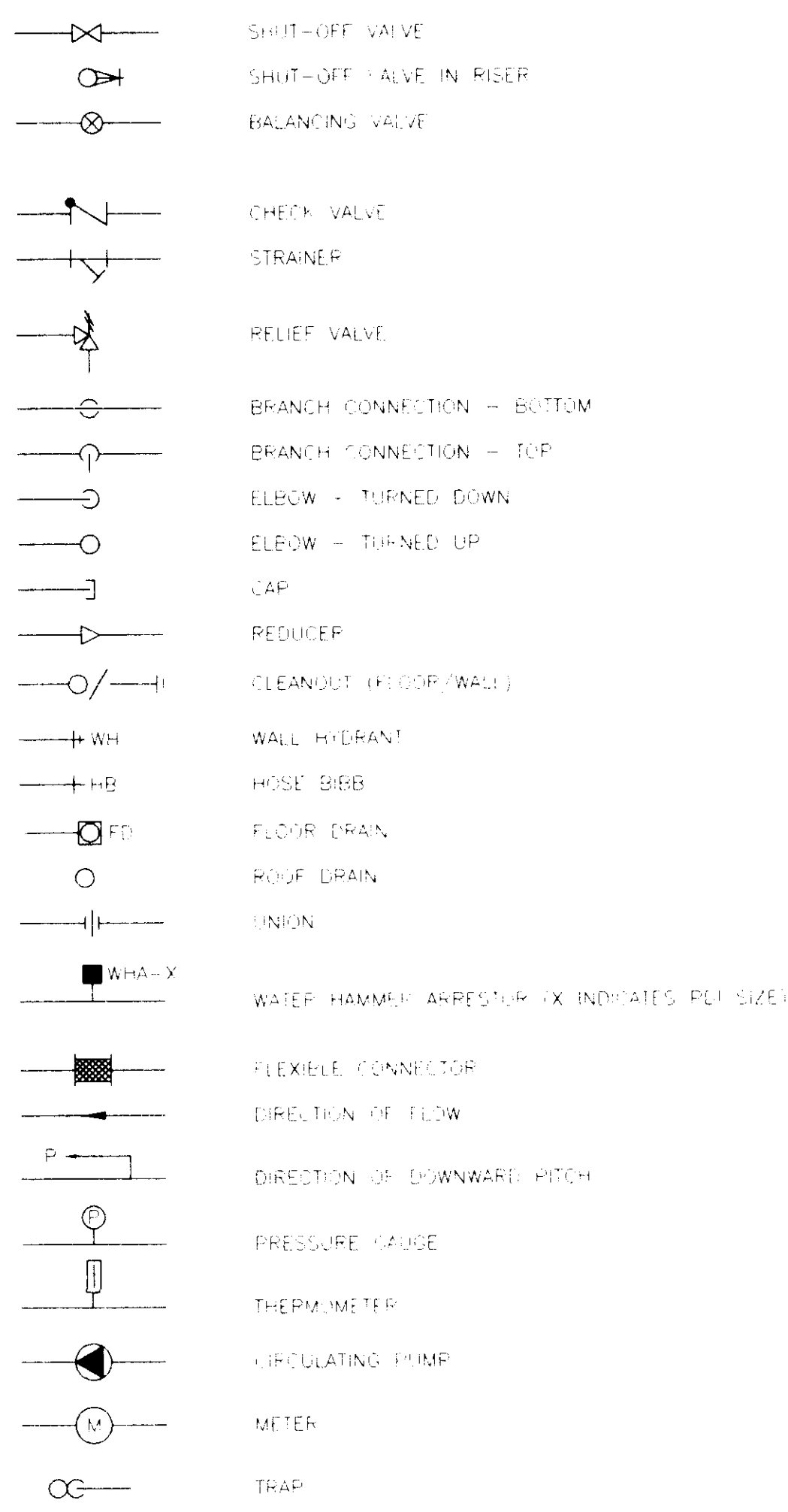
TYPICAL TRANSFER DUCT DETAIL AT BEDROOMS.
SCALE: NONE



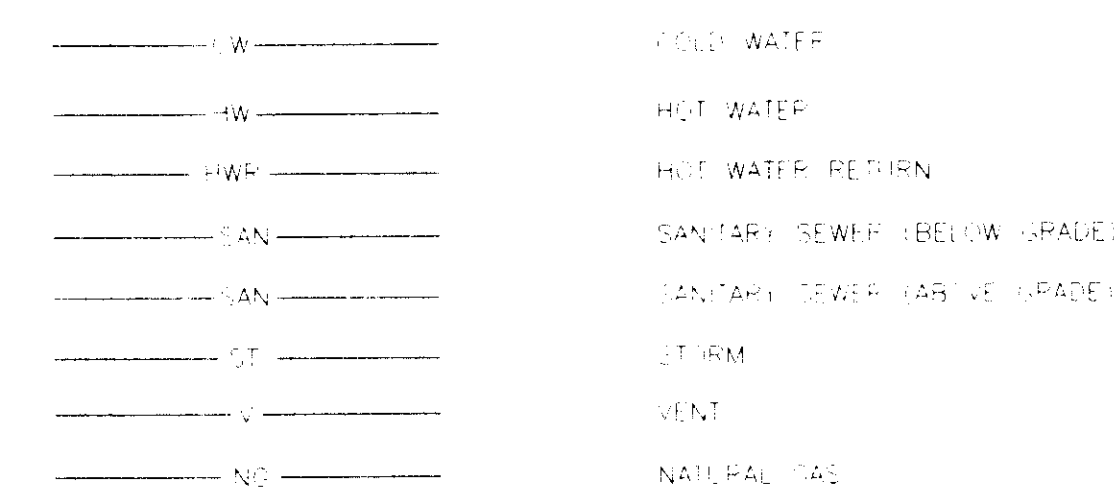
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PLUMBING SYMBOLS



PIPING DESIGNATIONS



SPECIFICATIONS

PIPES - WITHIN BUILDING TO 5 FT. OUTSIDE BUILDING
 UNDERGROUND SANITARY DRAINAGE - CAST IRON - BELL & SPIGOT
 ABOVE GROUND SANITARY DRAINAGE - CAST IRON OR COPPER
 VENT PIPING - CAST IRON OR COPPER
 DOMESTIC WATER - COPPER, TYPE L ABOVE GROUND - TYPE K UNDERGROUND
 PROVIDE SHUT-OFF VALVE FOR EACH FIXTURE
 ROOF DRAINS - CAST IRON
 EXPOSED PIPING IN TOILET ROOM SHALL BE CHROME PLATED
 GAS PIPING - STEEL, SCHEDULE 40, ASTM A53 GRADE A OR B, BLACK WITH 150 LB. MALLEABLE IRON FITTINGS, 250 LB. GROUND JOINT MALLEABLE UNIONS
 PROVIDE SHUT-OFF VALVE FOR EACH PIECE OF EQUIPMENT
 LAVATORY TRAPS AND WASTE AND WATER PIPING SHALL BE ARRANGED TO MEET ALL CLEARANCE REQUIREMENTS

PIPING INSULATION

A. INSULATE THE FOLLOWING:

- HOT WATER PIPING
- COLD WATER PIPING (ABOVE GROUND)
- LAVATORY TRAP AND HOT WATER SUPPLY (ON HANDICAPPED INSTALLATION)
- FLOOR DRAINAGE (PIPE TRAP & HORIZONTAL PIPING)

B. INSULATION PRODUCTS AND INSTALLATION SHALL COMPLY WITH NYS DEC - 625.10 - 1.0 NEAR YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE

C. HOT WATER PIPING INSULATION SHALL BE FIBERGLASS INSULATION WITH FLEXIBLE CELL STRUCTURE WITH A MAXIMUM WATER VAPOR TRANSMISSION RATING OF 0.1 PERMS OR SIMILAR TO HOT WATER WITH VAPOR BARRIER INSULATION THICKNESS SCHEDULE

	FLUID TEMPERATURE (DEGREES F.)	INSULATION THICKNESS (R-INCH) FOR PIPE SIZES		
		LESS THAN 1/2"	1/2" TO 2"	OVER 2"
DOMESTIC COLD WATER	40 - 60	1/2"	1"	1"
DRAWING HOT WATER	100 - 140	3/4"	1"	1"
ROOM DRAINAGE	140 - 250	1-1/2"	1-1/2"	2"

** ROUNDOFFS AS DEFINED BY NYS DEC 625.10 CAN BE 1/2" THK. UP TO 140° F. AND 3/4" THK. OVER 140° F.

D. DOMESTIC COLD WATER AND ROOF DRAINAGE INSULATION SHALL BE FURMED PLASTIC OF POLYETHYLENE STRUCTURE WITH A MAXIMUM WATER VAPOR TRANSMISSION RATING OF 0.1 PERMS OR SIMILAR TO HOT WATER WITH VAPOR BARRIER INSULATION THICKNESS SCHEDULE

E. LAVATORY INSULATION SHALL BE TRAP WRAP OR EQUAL

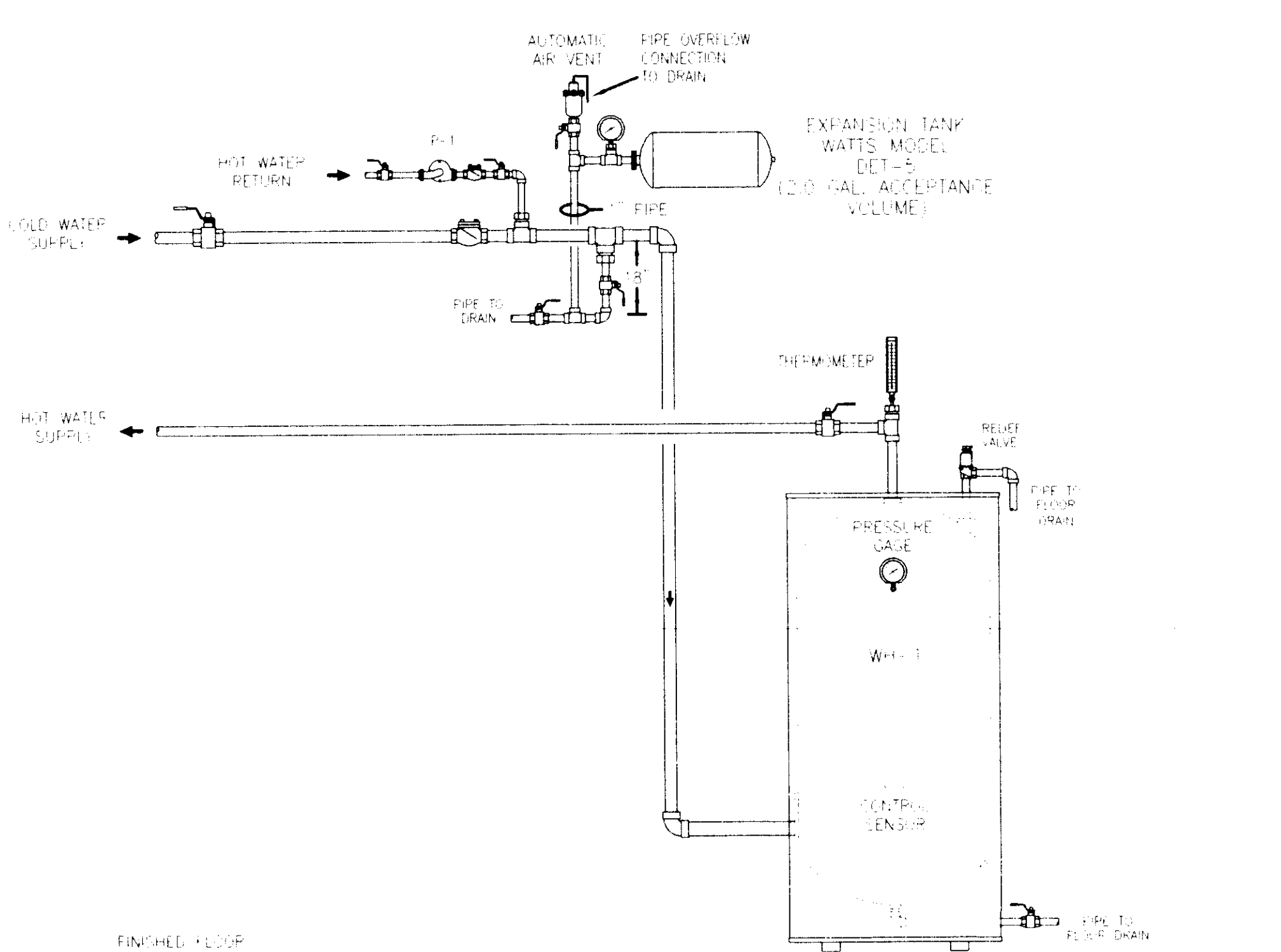
PLUMBING ABBREVIATIONS

ABV	ABOVE	HWC	HOT WATER, CIRCULATING
ABF	ABOVE FINISHED FLOOR	IN	INCHES
ARW	ACID RESISTANT WASTE	IN W.G.	INCHES WATER GAUGE
AV	ACID VENT	IW	INDIRECT WASTE
AGA	AMERICAN GAS ASSOCIATION	ID	INSIDE DIAMETER
AQSTAT	AQUASTAT	IA	INSTRUMENT AIR
ARCH	ARCHITECT (ORAL)	INV	INVERT
ARCH/ENGINEER	ARCHITECT/ENGINEER	IP	IRON PIPE SIZE
AD	AREA DRAIN	IL	INCHES
AAV	AUTOMATIC AIR VENT	ILW	INCHES WATER GAUGE
BAV	BACK WATER VALVE	LAV	LAVATORY
BFP	BACKFLOW PREVENTER	LT	LINT TRAP
BAL V	BALANCING VALVE	M	METER
BT	BATH TUB	MOP SINK	MOP SINK
BV	BELOW	N	NITROGEN
BLW	BELOW FINISHED FLOOR	N2O	NITROUS OXIDE
BEFF	BELOW FINISHED FLOOR	NFHB	NON-FREEZE HOSE BIBB
BHP	BRAKE HORSEPOWER	NC	NORMALLY CLOSED
BTU	BRITISH THERMAL UNIT	NO	NORMALLY OPEN
MBH	BRITISH THERMAL UNIT (1000) PER HOUR	NO	NOT TO SCALE
BTUH	BRITISH THERMAL UNITS PER HOUR	OI	OIL INTERCEPTOR
BFV	BUTTERFLY VALVE	OFCA	OIL FREE COMPRESSED AIR
CI	CAST IRON	OK/OPEN	OK/OPEN
CB	CATCH BASIN	PLB/P	PLUMBING
CAV	CHECK VALVE	PVC	POLYVINYL CHLORIDE
CP	CIRCULATING PUMP	PSF	POUNDS PER SQUARE FOOT
CO	CLEANOUT	PSI	POUNDS PER SQUARE INCH
CW	COLD WATER	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
CA	COMPRESSED AIR	PSIG	POUNDS PER SQUARE INCH GAGE
COMP	COMPRESSOR	PRV	PRESSURE REDUCING VALVE
CONN	CONNECTION	PTRV	PRESSURE TEMPERATURE RELIEF VALVE
CONTR	CONTRACTOR	P	PUMP
CU	COPPER	PD	PUMPED DRAIN
DW	DEIONIZED WATER	RWL	RAIN WATER LEADER
DIL	DETAIL	RPZ	REDUCED PRESSURE ZONE
DICO	DECK PLATE CLEANOUT	R	REVOLUTIONS PER MINUTE
DI	DISTILLED WATER	RISER	RISER
DWH	DOMESTIC WATER HEATER	RD	ROOF DRAIN
DN	DOWN	SAN	SANITARY
DR	DRAIN	SS	SANITARY SEWER SCHEDULE
DWG	DRAWING	SSF	SERVICE SINK
DF	DRINKING FOUNTAIN	SH	SHOWER
DWR	DRINKING WATER RETURN	SK	SINK
DWS	DRINKING WATER SUPPLY	SPEC	SPECIFICATIONS
DRW	DRY WELL	SQ FT	SQUARE FOOT
EW	ELECTRICAL WATER COOLER	SQ IN	SQUARE INCH
EWB	ELECTRICAL WATER HEATER	SS	STAINLESS STEEL
EMER SHR	EMERGENCY SHOWER	ST	STORAGE TANK
EMER EW	EMERGENCY EYEWASH	STW	STORM SEWER
EWT	ENTERING WATER TEMPERATURE EQUIPMENT	SSD	SUB-SOIL DRAIN
EXIST	EXISTING	TEMP	TEMPERED WATER
FT	FEET (FOOT)	TMV	THERMOSTATIC MIXING VALVE
FPM	FEET PER MINUTE	T	TRAP
FPS	FEET PER SECOND	TP	TRAP PRIMER
FP	FIRE PROTECTION	TR	TRENCH DRAIN
FCO	FLOOR CLEANOUT	U	UTILITY
FD	FLOOR DRAIN	UTL	UTILITY
FPO	FLUSHING RIM DRAIN	VAC	VACUUM
FS	FLUSHING RIM SINK	VB	VACUUM BREAKER
FS	FLOOR SINK (INDIRECT WASTE DRAIN)	V	VENT (SANITARY)
FU	FIXTURE UNITS	VTR	VENT THRU ROOF
GAL	GALLON	VF	VERIFY IN FIELD
GPD	GALLONS PER DAY	WC	WATERCLOSET
GPH	GALLONS PER HOUR	W	WATER
GPM	GALLONS PER MINUTE	WF	WATER HAMMER ARRESTOR
G	GAS	WFCD	WALL PLATE CLEANOUT
GA	GAGE (GAUGE)	WH	WALL HYDRANT
GT	GREASE TRAP	W/O	WITHOUT
GV	GATE VALVE	YB	YARD BOX
HP	HORSEPOWER	YCO	YARD CLEANOUT
HB	HOSE BIBB	YD	YARD DRAIN
HW	HOT WATER	YH	YARD HYDRANT

WATER CIRCULATING PUMP SCHEDULE

MARK NO.	SERVICE	TEMPERATURE °F	CAPACITY (GPM)	TOTAL HEAD (FT)	HP	RPM	ELECTRICAL DATA (VOLTS PHASE HERTZ)	MANUFACTURER AND MODEL	REMARKS	
PH-1	120° HW	120°	4	8	1/2	3300	115 1	60	RYL PL-30	12

REMARKS:
 1. BRUNZEL BODY INSULATION, NON-FERROUS IMPELLER, 120° MAX OPERATING TEMPERATURE, 150 LB. MAX. WORKING PRESSURE
 2. PROVIDE AQUASTAT AND AUTOMATIC THERMOSTAT



WATER HEATER PIPING DETAIL

NATURAL GAS WATER HEATER SCHEDULE

PLAN CODE	LOCATION	SERVICE	CAPACITY GAL.	CAPACITY MBH		MANUFACTURER & MODEL NO.	REMARKS
				INPUT	OUTPUT		
WH-1	MEN'S ROOM	HOT WATER	99	110	110	JAY R. SMITH CO. FGD-100	

REMARKS:
 1. WATER STORED AT 120°F

PLUMBING FIXTURE CONNECTION SCHEDULE

ITEM	DESCRIPTION	PIPE CONNECTIONS				REMARKS
		HW	CW	SAN	VENT	
WC-1	WATER CLOSET/HANDICAP - TANK	---	1"	3"	2"	
WC-2	WATER CLOSET - TANK	---	1/2"	3"	1 1/2"	
LAV-1	LAVATORY/HANDICAP	1/2"	1/2"	1 1/2"	1 1/2"	
LAV-2	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	
SK-1	KITCHEN SINK	1/2"	1/2"	1 1/2"	1 1/2"	
SK-2	SINK	1/2"	1/2"	1 1/2"	1 1/2"	
LS-1	SINK	1/2"	1/2"	1 1/2"	1 1/2"	
SH-1	SHOWER/HANDICAP	1/2"	1/2"	2"	1 1/2"	
SH-2	SHOWER	1/2"	1/2"	2"	1 1/2"	

PLUMBING FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	ACCESSORIES
FCO	DECK PLATE CLEANOUT, DURA COATED CAST IRON BODY, SLOTTED, POLISHED NICKEL BRONZE TOP, ADJUSTABLE HEIGHT, NO HUB, GAS AND WATERTIGHT ABS TAPERED THREAD FLUG. <p>ZURN MODEL # ZN-1400 "LEVEL-TROL", ALTERNATIVE MANUFACTURERS: JOSAM CO. JAY R. SMITH CO. WADE</p>	1. COVER GASKET
FD-1	FLOOR DRAIN, DURA COATED CAST IRON BODY, POLISHED NICKEL BRONZE STRAINER, COMBINATION MEMBRANE CLAMP AND ADJUSTABLE COLLAR, BOTTOM OUTLET, NO HUB. <p>ZURN MODEL # Z-415 BODY ASSEMBLY WITH TYPE "B" STRAINER, OR APPROVED EQUAL. ALTERNATIVE MANUFACTURERS: JOSAM CO. JAY R. SMITH CO. WADE</p>	1. STRAINER DIAMETER 6" 2. PIPE SIZE 3" UNLESS OTHERWISE SPECIFIED ON DRAWING.

PLUMBING FIXTURE SCHEDULE 2318 2001

FIXTURE TYPE	DESCRIPTION	ACCESSORIES
FD-2	FLOOR DRAIN, DURA COATED CAST IRON BODY, POLISHED NICKEL BRONZE STRAINER, COMBINATION MEMBRANE CLAMP AND ADJUSTABLE COLLAR, BOTTOM OUTLET, NO HUB. <p>ZURN MODEL # Z-415 BODY ASSEMBLY WITH TYPE "B" STRAINER, OR APPROVED EQUAL. ALTERNATIVE MANUFACTURERS: JOSAM CO. JAY R. SMITH CO. WADE</p>	1. STRAINER DIAMETER 6" 2. PIPE SIZE 3" UNLESS OTHERWISE SPECIFIED ON DRAWING. 3. TRAP PRIMER CONNECTION.
LAV-1	LAVATORY, HANDICAPPED, WHITE VITREOUS CHINA, 17" x 14", UNDER COUNTER, W/ OVERFLOW, 3 FAUCET HOLES ON 4" CENTERS. <p>KOHLER PROVIDENCE MODEL K-2210</p> <p>ALTERNATIVE MANUFACTURERS: ELJER AMERICAN STANDARD</p>	1. FAUCET, 4" CHROME CENTERSET WITH SINGLE-HANDLE, KOHLER MODEL # 401-2A 2. SHUT-OFFS, ANGLE, KEVED, CHROME, 1/2" x 3/8" WITH ESCUTCHEON PLATES 3. 3/8" CHROME PLATED SUPPLIES 4. POP-UP DRAIN 5. INSULATION WITH COVER, DRAIN AND SUPPLY PROTECTION FOR HANDICAPPED, BRICKAR PRODUCTS MODEL #500 6. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT
LAV-2	LAVATORY, HANDICAPPED, WHITE VITREOUS CHINA, 17" x 14", UNDER COUNTER, W/ OVERFLOW, 3 FAUCET HOLES ON 4" CENTERS. <p>KOHLER PROVIDENCE MODEL K-2210</p> <p>ALTERNATIVE MANUFACTURERS: ELJER AMERICAN STANDARD</p>	1. FAUCET, 4" CHROME CENTERSET WITH SINGLE-HANDLE, KOHLER MODEL # 401-2A 2. SHUT-OFFS, ANGLE, KEVED, CHROME, 1/2" x 3/8" WITH ESCUTCHEON PLATES 3. 3/8" CHROME PLATED SUPPLIES 4. POP-UP DRAIN 5. INSULATION WITH COVER, DRAIN AND SUPPLY PROTECTION 6. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT
LS-1	LAUNDRY UTILITY SINK, MOLDED REINFORCED FIBREGLASS, 23" x 22", RUST FREE LEGS. <p>FLORESTONE MODEL FM ALTERNATIVE MANUFACTURERS: ELJER KOHLER</p>	1. FAUCET WITH TWO HANDLE LEVER, 4" CHROME CENTERSET, WHISPERBLADE HANDLE, DELTA MODEL 111344 2. SHUT-OFFS, ANGLE, KEVED, CHROME, 1/2" x 3/8" WITH ESCUTCHEON PLATES 3. 3/8" CHROME PLATED SUPPLIES 4. INSULATION WITH COVER, DRAIN AND SUPPLY PROTECTION
MS-1	SERVICE SINK, TERRAZZO, 24" x 24" SQUARE, 12" DEEP WITH 6" DROP FRONT. <p>WILLIAM HIRSH MODEL #WH-1800 ALTERNATIVE MANUFACTURERS: FLORESTONE FIAT</p>	1. FAUCET, CHROME PLATED, CAST BRASS SERVICE SINK FITTING WITH VACUUM BREAKER, 8" CENTERSET WITH 3/4" HOSE THREAD OUTLET, FILL HOOD WITH WALL SUPPORT, STRAIGHT INLET SHANK WITH FLANGE & 1/2" METAL LEVER HANDLES, CHROME BRASS METALFLASH 10-8075 AXE 2. 3" INTEGRAL CAST BRASS DRAIN WITH 25 STRAINER 3. HOSE, 3/4" x 3/8" LONG WITH CHROME COUPLING AND WALL HOSE HOOK 4. BACK PANELS, TYPE 304 SS, 1/2" HIGH, 20 GA WITH CORNER FITTING 5. MOP HANLER, 24" LONG SS WITH 3 SPRING DIADED CLIP
SH-1	SHOWER, HANDICAP, THREE-PIECE ACRYLIC TRANSFER SHOWER STALL WITH FOLD SEAT ON RIGHT, 55 GRAB BARS 45-58/84 ROUGH IN DIMENSIONS. <p>KOHLER CANTON MODEL K-12000 ALTERNATIVE MANUFACTURERS: AQUA GLASS FLORESTONE FIAT</p>	1. 2" SHOWER DRAIN, BRASS CONSTRUCTION WITH CONNECTION GASKET, KOHLER MODEL K-9133 2. SHOWER HAND HELD, 30" ADJUSTABLE HEIGHT MOUNTING BAR, POLISHED CHROME 4 1/8" x 1 1/8" AND VACUUM BREAKER, MAIN VALVE METAL LEVER HANDLE, POLISHED CHROME, PRE-DRILL BALANCING WITH THREADED CONNECTIONS, SHAMMING MODEL 1-25-FEB
SH-2	SHOWER, NON-ANGLE SHOWER WATER TIGHT DESIGN, SECURE GLASS, 70" x 40" KOHLER MODEL ARIA 4-105-11-B <p>FLORESTONE FLORESTONE MODEL 39-NEO ALTERNATIVE MANUFACTURERS: AQUA GLASS KOHLER FIAT</p>	1. PIVOT NON-ANGLE SHOWER DOOR, 55 HARDWARE WATER TIGHT DESIGN, SECURE GLASS, 70" x 40" KOHLER MODEL ARIA 4-105-11-B 2. SAFETY MAX PRESSURE BALANCING VALVE, METAL LEVER HANDLE, POLISHED CHROME, WITH THREADED CONNECTIONS, INCLUDING SHOWER HEAD, SHAMMING MODEL #1-100
SH-3	SHOWER, 18 GA STAINLESS STEEL, 30" x 48" SELF RIMMING, COUNTERTOP, FULLY UNDERCOUNTER, 3 FAUCET HOLES 4" O.C. <p>ELJAY MODEL #LR-1700 ALTERNATIVE MANUFACTURERS: JUST KOHLER</p>	1. FAUCET, 4" CHROME CENTERSET SINGLE HANDLE WITH 1/2" x 3/8" METAL LEVER 2. DRAIN ASSEMBLY, CHROME THERMUR BRASS TRAP SET WITH ESCUTCHEON PLATE 3. SHUT-OFFS, ANGLE, KEVED, CHROME, 1/2" x 3/8" WITH ESCUTCHEON PLATES 4. 3/8" CHROME PLATED SUPPLIES
SK-2	SINK, 18 GA STAINLESS STEEL, SINK/COMPARTMENT, 15" x 22" x 2" DEEP, SELF RIMMING, COUNTERTOP, FULLY UNDERCOUNTER, 3 FAUCET HOLES 4" O.C. <p>ELJAY MODEL #LR-1700 ALTERNATIVE MANUFACTURERS: JUST KOHLER</p>	1. FAUCET, 4" CHROME CENTERSET WITH GODENECK SPOUT AND WHIST BUZZER HANDLES, ELJAY MODEL LP2438H 2. DRAIN ASSEMBLY, CHROME THERMUR BRASS TRAP SET WITH ESCUTCHEON PLATE 3. SHUT-OFFS, ANGLE, KEVED, CHROME, 1/2" x 3/8" WITH ESCUTCHEON PLATES 4. 3/8" CHROME PLATED SUPPLIES
WC-1	WATER CLOSET, HANDICAPPED, WHITE VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, PRESSURE ASSISTED, 1.6 GALLON PER FLUSH. <p>AMERICAN STANDARD CADET, MODEL #292-100 ALTERNATIVE MANUFACTURERS: ELJER KOHLER</p>	1. SEAT, 100% PLASTIC ELONGATED BOWL OPEN FRONT, CHIRCH MODEL #500
WC-2	WATER CLOSET, WHITE VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, PRESSURE ASSISTED, 1.6 GALLON PER FLUSH. <p>AMERICAN STANDARD CADET, MODEL #292-100 ALTERNATIVE MANUFACTURERS: ELJER KOHLER</p>	1. SEAT, 100% PLASTIC ELONGATED BOWL OPEN FRONT, CHIRCH MODEL #500
WH-1	WALL FAUCET, EXPOSED, FREEZELESS, ANTI-SHIBB, AUTOMATIC DRAINING. <p>WOODFORD MODEL #25 ALTERNATIVE MANUFACTURERS: ZURN JAY R. SMITH WADE</p>	1. BRONZE HYDRANT WITH STAINLESS STEEL FAUCET

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YOUNGS ROAD AMHERST, NEW YORK

PLUMBING LEGEND & SCHEDULES

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SILVESTRI ARCHITECTS PC
 80 PINEVIEW DRIVE PH. 716.691.0900
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DRAWING P-1

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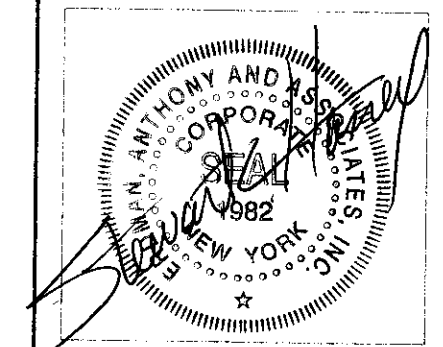
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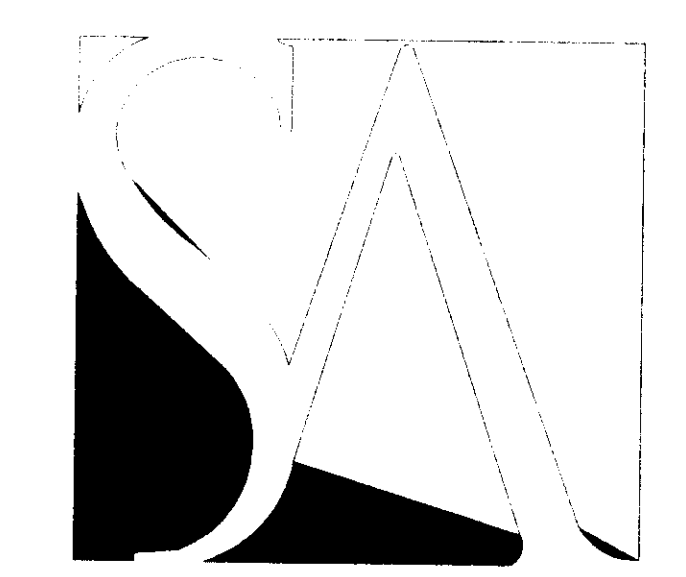
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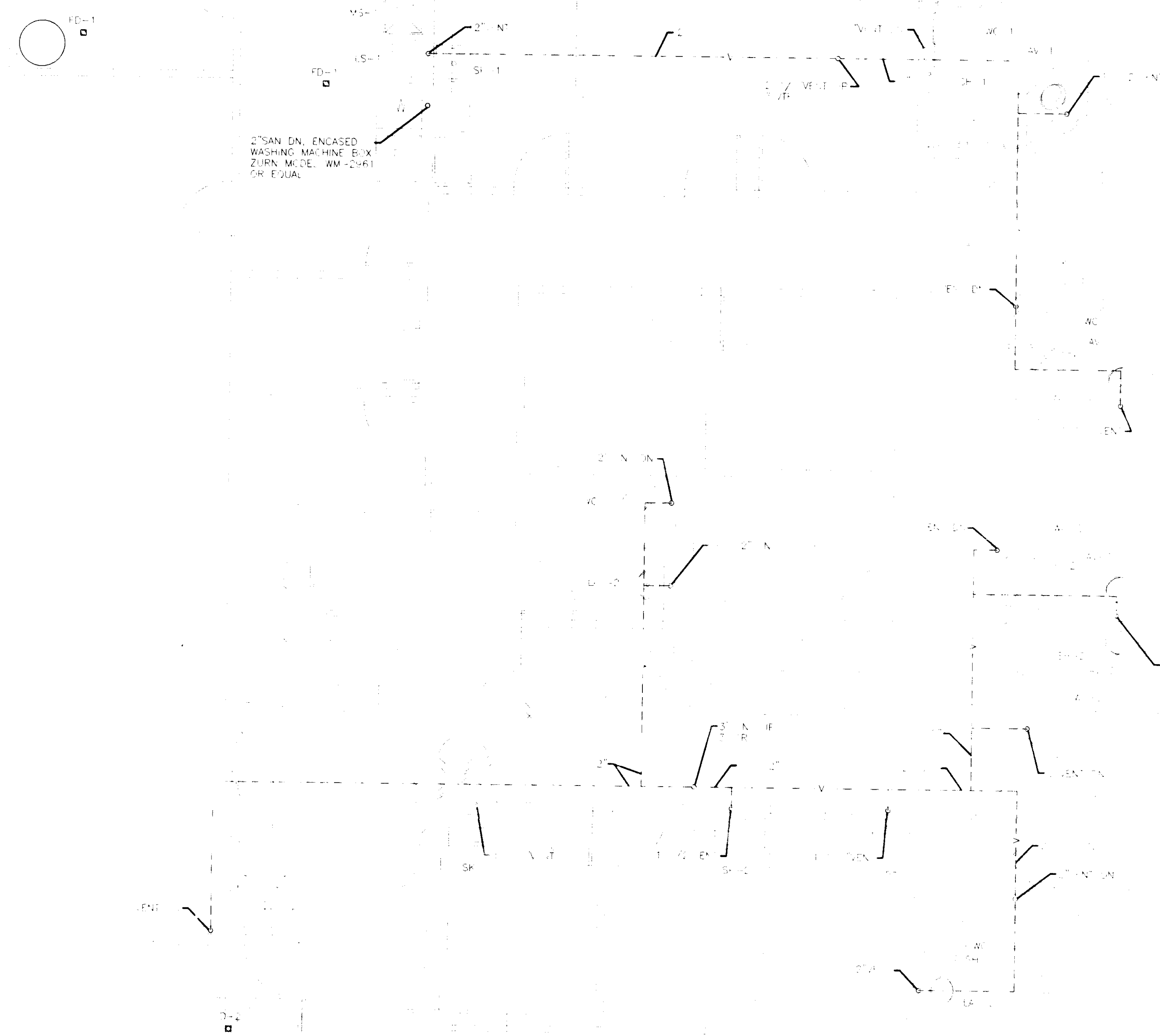


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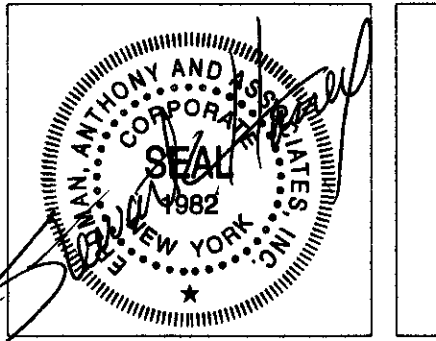
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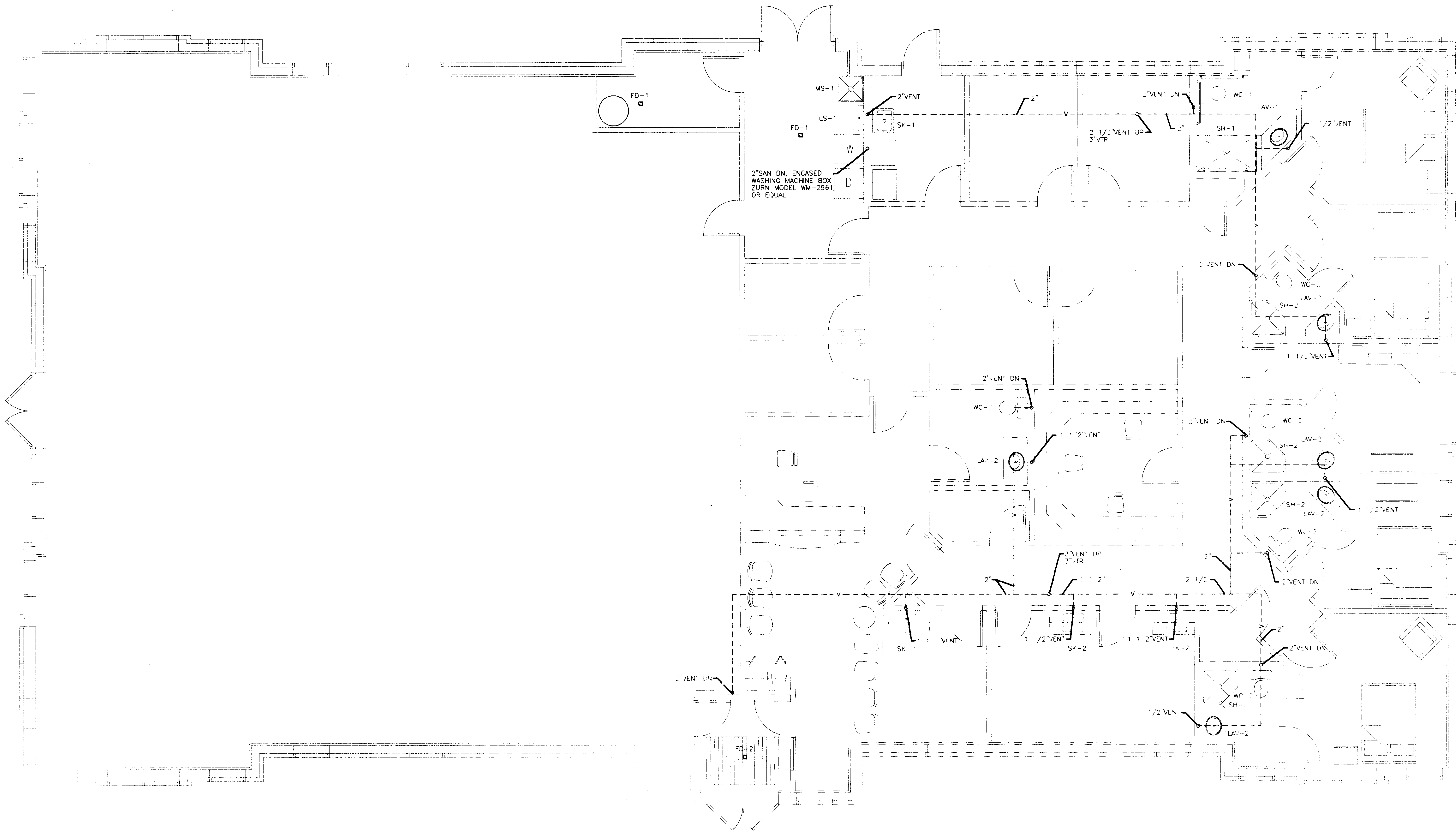


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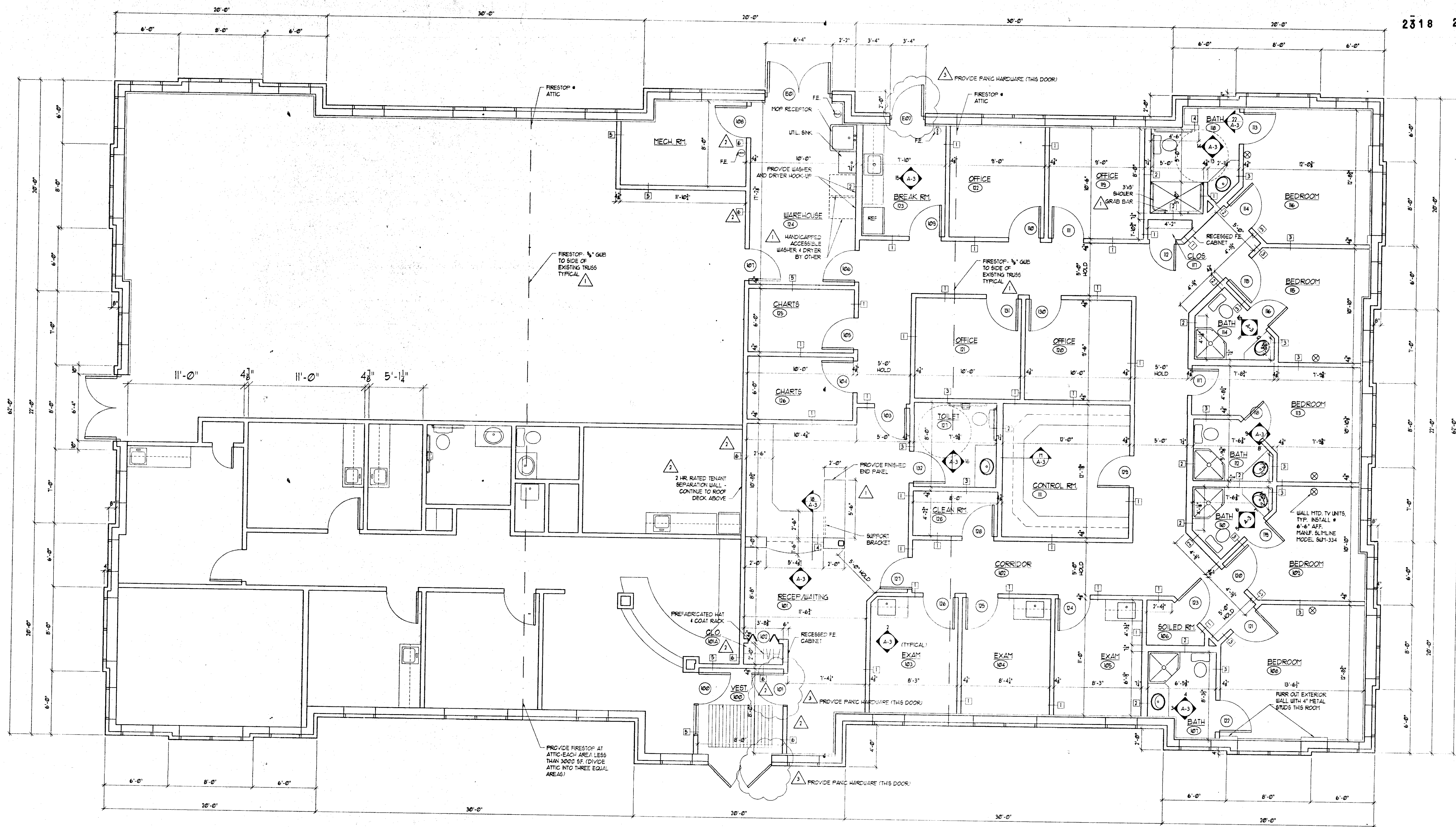


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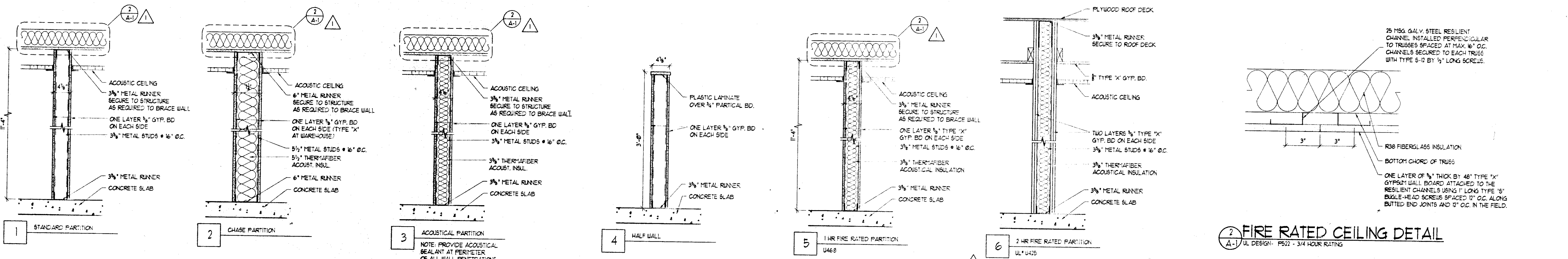


APNEA CARE

1120 YOUNGS ROAD
AMHERST, NEW YORK

FLOOR PLAN,
PARTITION TYPES

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



PARTITION TYPES

FIRE RATED CEILING DETAIL

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