

THIS DRAWING MUST NOT BE SCALED - THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS AND OMISSIONS TO BE REPORTED IMMEDIATELY TO THE ARCHITECT - VARIATIONS AND MODIFICATIONS TO WORK SHOWN SHALL NOT BE CARRIED OUT WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT - COPYRIGHT RESERVED. THIS DOCUMENT AND DESIGN ARE THE PROPERTY OF J.T. BARKLEY INC. ARCHITECT AND MAY NOT BE USED OR REPRODUCED WITHOUT WRITTEN CONSENT.

**J.T. BARKLEY  
ARCHITECT**  
M.A.B.C., M.R.A.I.C., ASSOC. A.I.A.



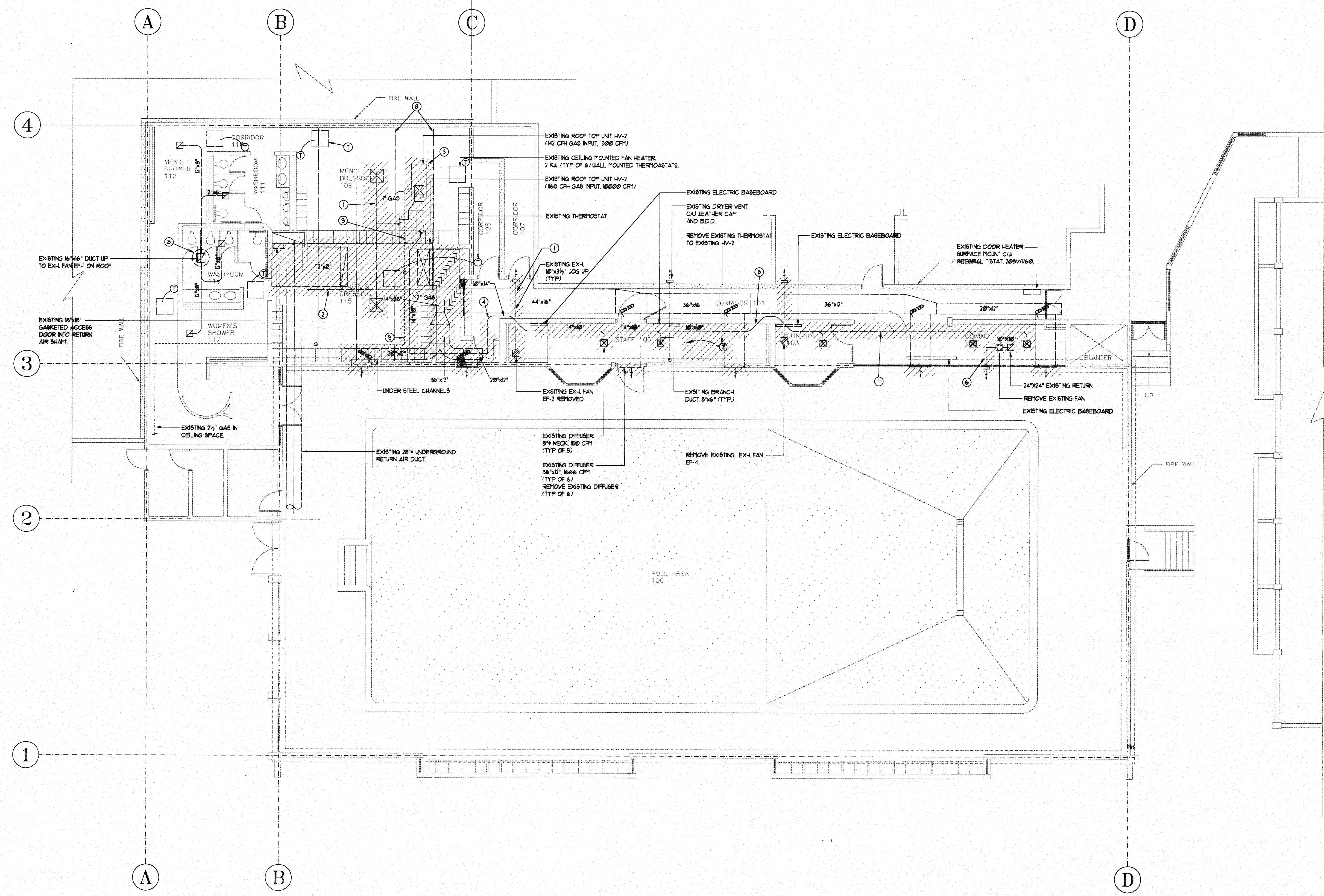
2554 VINE STREET  
VANCOUVER, B.C. V6K 3L1  
TEL: (604) 731-6823  
FAX: (604) 731-5383

**VONEDA  
& ASSOCIATES**  
410 - 2025 W. BROADWAY, VANCOUVER, B.C. V6J 1Z6  
TELEPHONE: (604) 733-5412 FAX: (604) 734-5869  
PROJECT NO. 9489

No.	REVISIONS	DATE
1	ISSUED FOR BUILDING PERMIT	1999/06/09
2	ISSUED FOR TENDER	1999/07/11
3	RECORD DRAWINGS	1999/07/21

# HVAC LEGEND

THERMOSTAT 8" A DUCT (UP & DOWN) R/A OR 8" A DUCT (UP OR DOWN) ROUND DUCT (UP & DOWN) FLEXIBLE DUCT CONNECTION ACQUSTIC LINED DUCTWORK EXIST. DUCTWORK TO BE ABANDONED INSULATED DUCTWORK 8" A OUTLET (WALL TYPE) 8" A OUTLET (CEILING TYPE) R/A OR EXH. INLET (WALL TYPE) R/A OR EXH. INLET (CEILING TYPE) SECTORING BARFLE (SHADED) DOOR UNDERCUT BALANCING DAMPER BACKDRAFT DAMPER FIRE DAMPER SMOKE DAMPER TURNING VANES ACCESS DOOR DIFFUSER/GRILLE LABEL EQUIPMENT LABEL	
---	--



0 5 10 20 FT

## FLOOR PLAN

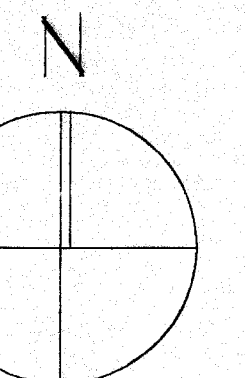
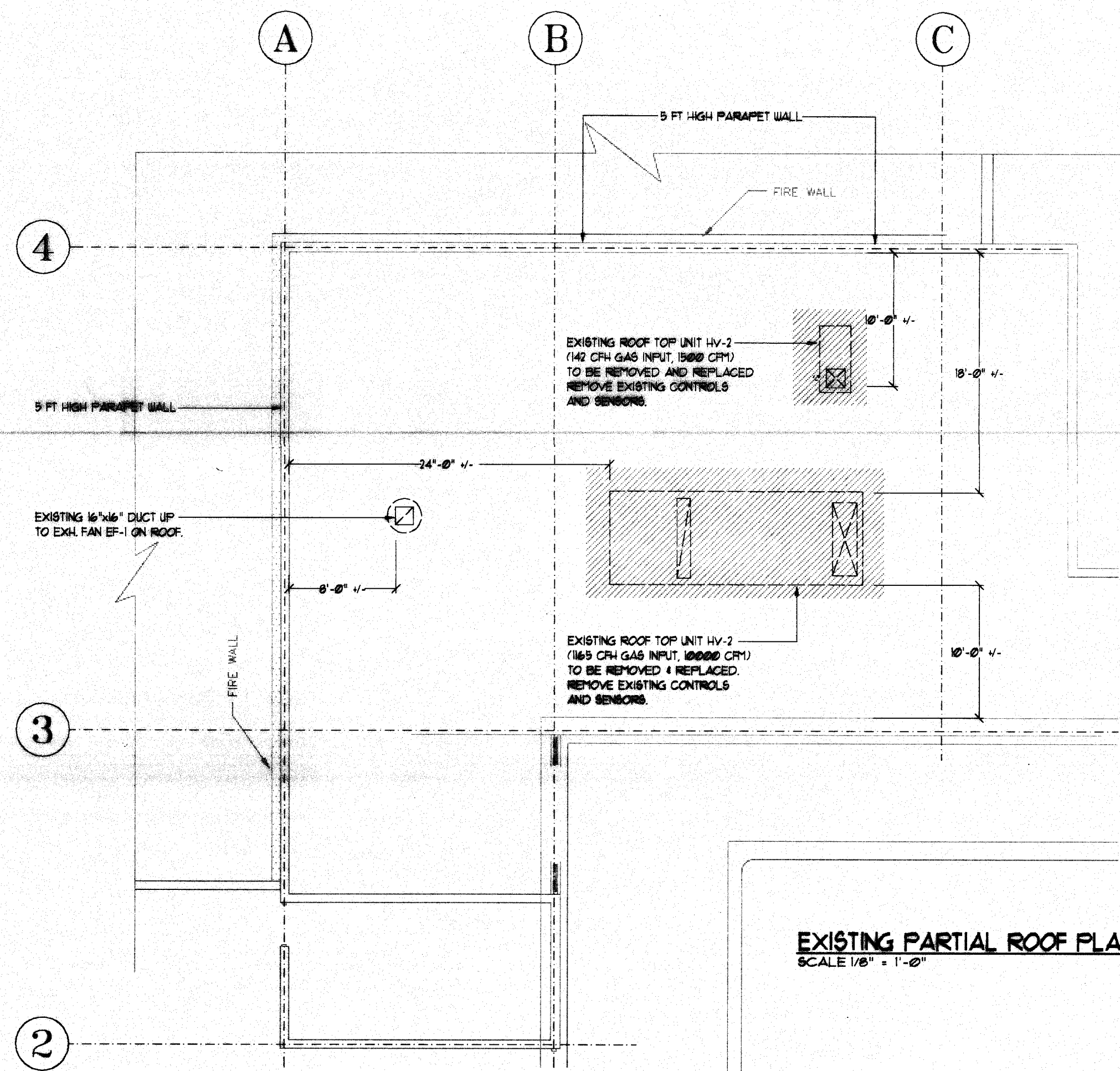
### GENERAL NOTES: (APPLY TO DGS M-1 AND M-2)

- ALL EXISTING MATERIAL EQUIPMENT NOT BEING USED AS PART OF THE NEW MECHANICAL SYSTEMS SHALL BE REMOVED FROM SITE AND SHALL BE DISPOSED OF BY THE CONTRACTOR AS PART OF THE CONTRACT.
- CONVERT CLEARANCES AND LOCATIONS BEFORE COMMENCING ANY WORK ON NEW HVAC SYSTEM.
- ENSURE THAT STRUCTURE/BUILDING IS COMPLETELY DRY BEFORE INSTALLING ANY NEW DUCTWORK.

### DRAWING NOTES:

- REMOVE EXISTING DUCTWORK (TYPICAL)
- REMOVE EXISTING ROOFTOP UNIT & CURB
- REMOVE EXISTING ROOFTOP UNIT & CURB
- EXISTING 8" A DUCT TO REMAIN. RETAIN ENOUGH DUCT PROJECTION FROM CONCRETE WALL TO ATTACH NEW DUCT. (TYPICAL)
- EXISTING 8" A DUCT (SIMILAR TO NOTE 4). (TYPICAL)
- REMOVE EXISTING FAN DUCT & GRILLES. REPAIR HOLE IN WALL TO MATCH EXISTING.
- SERVICE FAN HEATERS TO GOOD WORKING CONDITION AND REPLACE FACE GRILLES WITH ALUMINUM (TYPICAL FOR ALL).
- STRUCTURAL STEEL (TYP) FOR EXACT LOCATIONS AND CONFIRM ON SITE.
- REMOVE GAS LINES TO AVOID NEW DUCTWORK. REPLACE WITH NEW GAS LINE AFTER DUCT IS INSTALLED.

### EXISTING PARTIAL ROOF PLAN SCALE 1/8" = 1'-0"

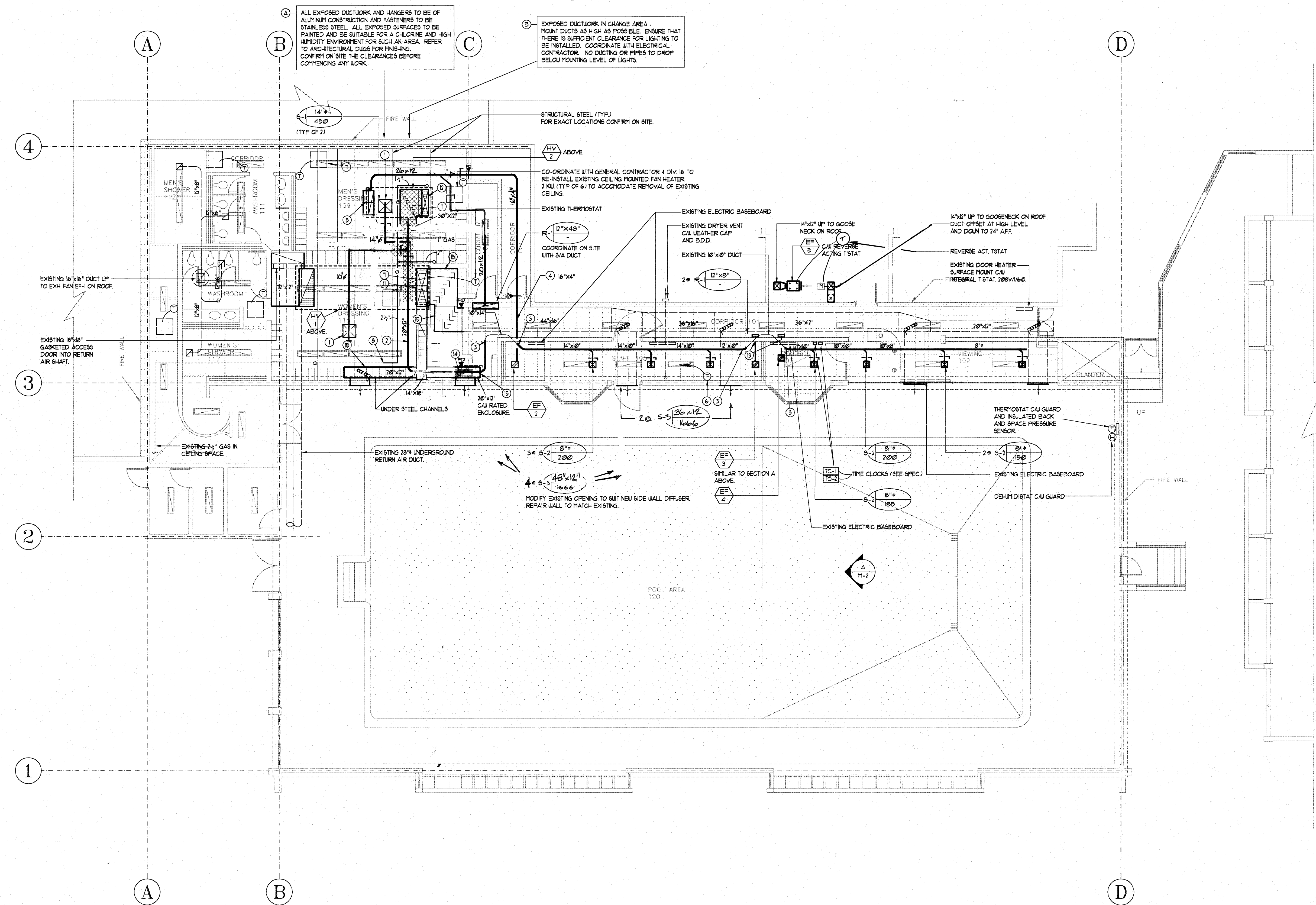
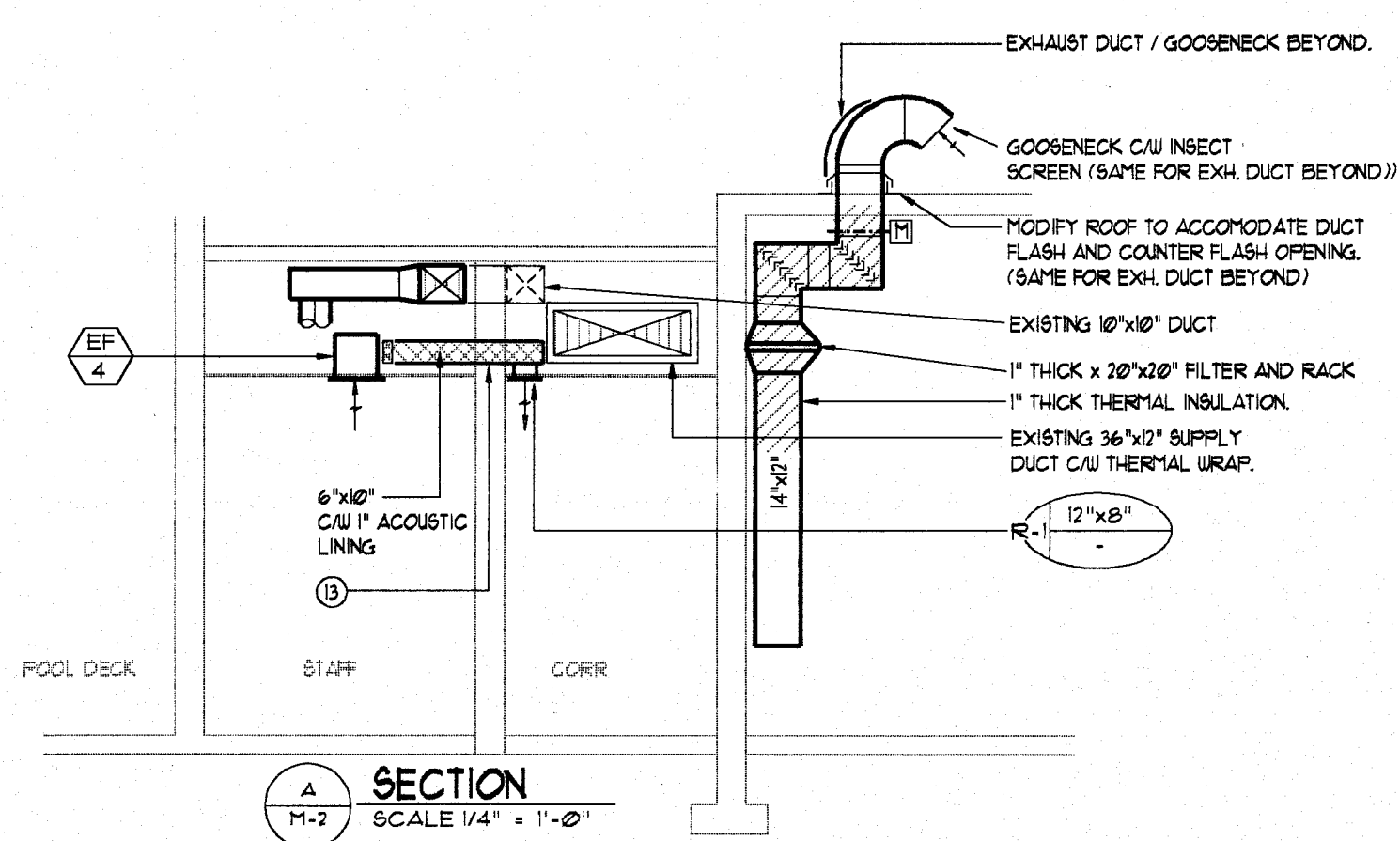


drawn	
checked	
APR. 95	
date	
scale	
<b>KERRISDALE AQUATIC FACILITY RENOVATIONS CONTRACT T95-15</b>	
5851 W. BOULEVARD VANCOUVER, B.C.	
project	
<b>FLOOR PLAN EXISTING &amp; DEMOLITION HVAC</b>	
drawing	
1/8" = 1'-0"	
scale	
project No.	sheet No.
<b>M-1</b>	
OF 2	5 OF 9

THESE DESIGN DOCUMENTS ARE PREPARED SOLELY FOR THE USE BY THE PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS ENTERED INTO A CONTRACT AND THERE ARE NO REPRESENTATIONS OF ANY KIND MADE BY THE DESIGN PROFESSIONAL TO ANY PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS NOT ENTERED INTO A CONTRACT.



THIS DRAWING MUST NOT BE SCALED - THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS AND OMISSIONS TO BE REPORTED IMMEDIATELY TO THE ARCHITECT - VARIATIONS AND MODIFICATIONS TO WORK SHOWN SHALL NOT BE CARRIED OUT WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT - COPYRIGHT RESERVED. THIS DOCUMENT AND DESIGN ARE THE PROPERTY OF J.T. BARKLEY INC. ARCHITECT AND MAY NOT BE USED OR REPRODUCED WITHOUT WRITTEN CONSENT.



0 5 10 20 FT

FLOOR PLAN

#### GRILLE SCHEDULE

S-1	E.N. PRICE 24" x 24" / ASDA 4/4C/SPL	DURNAR FLOUROCARBON FINISH - COLOUR BY ARCHITECT
S-2	E.N. PRICE 12" x 12" / ASDC 3/3C/SPL	DURNAR FLOUROCARBON FINISH - COLOUR BY ARCHITECT
S-3	E.N. PRICE 12" x 12" / ASDC 3/3C/SPL	DURNAR FLOUROCARBON FINISH - COLOUR BY ARCHITECT
R-1	E.N. PRICE 60" / 19/15	ALUMINITE 6000 C/W BIRD SCREEN, EXTRUDED ALUMINUM CONSTRUCTION, DURNAR FLOUROCARBON FINISH - COLOR BY ARCHITECT.

#### NOTES:

FINISHES TO BE DONE BY THE MANUFACTURER. CONFIRM ALL COLOURS WITH ARCHITECT WITH A COLOUR CHIP BEFORE PROCEEDING. FASTENERS USED SHOULD BE STAINLESS STEEL.

#### FAN SCHEDULE

TAG	LOCATION	MAKE	MODEL	CFM	SP	RPM	HP	VOLTAGE	COMMENTS
EF-1	ROOF OF WR 116	-	CBE-14-4	950	-	-	-	-	EXISTING EXH. FAN TO REMAIN
EF-2	STAFF WR 106	GREENHECK	SP-152	300	1/2"	1070	224 W	120/1/60	
EF-3	STAFF 105	GREENHECK	SP-150	275	3/8"	1000	120 W	120/1/60	
EF-4	CONTROL 103	GREENHECK	SP-150	175	3/8"	1000	120 W	120/1/60	C/W VARIABLE SPEED CONTROLLER.
EF-5	STORAGE	DELHI	207	1000	1/2"	1272	1/2	120/1/60	C/W REVERSE ACTING T'STAT, EXPANDED METAL SCREEN

#### NOTES:

EF-2, EF-3, EF-4, & EF-5 ARE CABINET FANS C/W GRILLE, DISCONNECT SWITCH, VIBRATION ISOLATORS FLEX CONNECTIONS, 1" INSULATION.

#### DRAWING NOTES:

- NEW DIFFUSER (TYPICAL).
- POINT LIGHT TO UNDER SIDE OF ROOF DECK.
- CONNECT TO EXISTING DUCT WORK, PROVIDE REDUCERS (TYPICAL).
- FLATTEN DUCT TO PASS OVER EXISTING DUCT. CONFIRM ON SITE.
- PROVIDE TURNING VANES AT ELBOW / TRANSITION.
- THERMOSTAT TO HV-2.
- EXISTING OPENING. CONFIRM ON SITE.
- CONNECT TO EXISTING GAS LINE.
- EXTEND UNIT FLUE 2 FT ABOVE PARAPET WALL AND 2 FT ABOVE ANY OBSTRUCTION WITHIN A 10 FT RADIUS INCLUDING UNIT HV-2.
- ROOF TO BE REPAIRED TO GOOD CONDITION WEATHER TIGHT AND TO MATCH LEVEL OF EXISTING ROOF. REFER TO ARCHITECTURAL FOR FURTHER DETAILS.
- LOCATE SUPPLY OPENING FROM NEW HV-1 TO ALIGN WITH EXISTING SUPPLY OPENING. PROVIDE DUCTWORK TO CONNECT TO EXISTING SUPPLY. NEW UNIT IS DIMENSIONALLY SMALLER THAN EXISTING. REPAIR ROOF TO ACCOMMODATE (SEE NOTE #10). CONFIRM EXACT DIMENSIONS ON SITE.
- LOCATE SUPPLY OPENING FROM NEW HV-2 TO BE AT APPROX. LOCATION OF EXISTING OPENING. MODIFY TO SUIT TO MATCH EXISTING.
- GENERAL CONTRACTOR TO MODIFY EXISTING OPENING TO SUIT NEW DUCT. REPAIR WALL TO MATCH EXISTING.
- ENLARGE EXISTING HOLE ON CONCRETE BLOCK WALL TO ACCOMMODATE LARGER DUCT. ENSURE DUCT IS SEALED C/W FIRE DAMPER AT WALL.
- REPLACE EXISTING DUCTWORK THAT WILL BE EXPOSED IN CHANGE ROOM WITH ALUMINUM. SEE NOTE (A) & (B) ABOVE FOR FURTHER NEGOTIATION.

#### ROOF TOP UNITS SCHEDULE

HV-1	POOL AREA - ROOF TOP UNIT TO REPLACE EXISTING
ENGINEERED AIR MODEL, DGA-10, SUPPLY FAN TO BE 10000 CFM @ 0.15" ESP WITH 1/2" HP MOTOR, 10000 W. 3 HP RETURN FAN MOTOR 0.50" ESP, 2000 W. ALL MOTORS TO BE HIGH EFFICIENCY. 1500 TBS GAS INPUT, 4000 TBS OUTPUT WITH 15 DEGREE TEMPERATURE RISE. INDIRECT FIRED, INTERMITTENT PLEAT (OPTION PLATE SUPERVISION, AIR FLOW SWITCH, DISCHARGE LOW LIMIT, DOWN DISCHARGE SUPPLY, 4 RETURN EXTENDED GAS FLUE MODULATING GAS VALVE, 4 PROPORTIONAL COMBUSTION AIR STAINLESS STEEL HEAT EXCHANGER, INTAKE HOOD C/W BIRD SCREEN, RELIEF HOOD, 7" THICK INTERNAL INSULATION, 7" PLEATED PANEL, DISPOSABLE FILTERS. UNIT TO BE ROOF MOUNTED C/W 1" INSULATED ROOF MOUNTING CURB, MOTORIZED INTAKE RETURN, 4 RELIEF DAMPERS, FAN & MOTOR ASSEMBLY VIBRATION ISOLATED C/W SEISMIC RESTRAINTS. UNIT TO BE RESPIRANTLY RESTRAINED. UNIT WEIGHT 4000 LBS. ALL AIR PASSAGES AND ETC. TO BE EPOXY COATED AND TREATED FOR CHLORINE ENVIRONMENT OF A POOL AREA. REPAIR ALSO TO SECTION 5/13 IN SPECIFICATION.	
HV-2	STAFF / LOBBY / CONTROL / VIEWING AREA - HEAT RECLAIM UNIT TO REPLACE EXISTING
ARTISAN SYSTEMS INC. MODEL RT-4000-24HR, SUPPLY FAN TO BE 2200 CFM @ 0.20" ESP WITH 3 HP MOTOR, 1000 W. 3 HP RETURN FAN MOTOR 0.50" ESP, 2000 W. ALL MOTORS TO BE HIGH EFFICIENCY. 400 TBS GAS INPUT, 1000 TBS OUTPUT WITH 15 DEGREE TEMPERATURE RISE. INDIRECT FIRED, INTERMITTENT PLEAT (OPTION PLATE SUPERVISION, AIR FLOW SWITCH, DISCHARGE LOW LIMIT, DOWN DISCHARGE SUPPLY, 4 RETURN EXTENDED GAS FLUE MODULATING GAS VALVE, 4 PROPORTIONAL COMBUSTION AIR STAINLESS STEEL HEAT EXCHANGER, INTAKE HOOD C/W BIRD SCREEN, RELIEF HOOD, 7" THICK INTERNAL INSULATION, 7" PLEATED PANEL, DISPOSABLE FILTERS. UNIT TO BE ROOF MOUNTED C/W 1" INSULATED ROOF MOUNTING CURB, MOTORIZED INTAKE RETURN, 4 RELIEF DAMPERS, FAN & MOTOR ASSEMBLY VIBRATION ISOLATED C/W SEISMIC RESTRAINTS. UNIT TO BE RESPIRANTLY RESTRAINED. UNIT WEIGHT 3000 LBS. ALL AIR PASSAGES AND ETC. TO BE EPOXY COATED AND TREATED FOR CHLORINE ENVIRONMENT OF A POOL AREA. REPAIR ALSO TO SECTION 5/13 IN SPECIFICATION.	

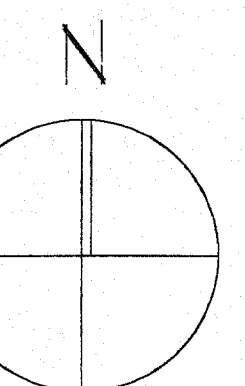
**J.T. BARKLEY  
ARCHITECT**  
M.A.I.B.C., M.R.A.I.C., ASSOC. A.I.A.

2554 VINE STREET  
VANCOUVER, B.C. V6K 3L1  
TEL: (604) 731-6823  
FAX: (604) 731-5383

**VONEDA  
& ASSOCIATES**  
410 - 2055 W. BROADWAY, VANCOUVER, B.C. V6J 1Z8  
TELEPHONE: (604) 733-3412 FAX: (604) 736-3889  
PROJECT NO. 9459

No.	REVISIONS	DATE
1	ISSUED FOR BUILDING PERMIT	1999/06/09
2	ISSUED FOR TENDER	1999/07/01
3	RECORD DRAWINGS	1999/07/01

RECORD DRAWINGS



drawn	checked	date	1 APR. 95
scale	1/8" = 1'-0"	sheet	M-2
<b>KERRISDALE AQUATIC FACILITY RENOVATIONS CONTRACT T95-15</b> 5851 W. BOULEVARD VANCOUVER, B.C. <b>FLOOR PLAN RENOVATION HVAC</b> project drawing sheet No.			
OF 2 6 OF 9			