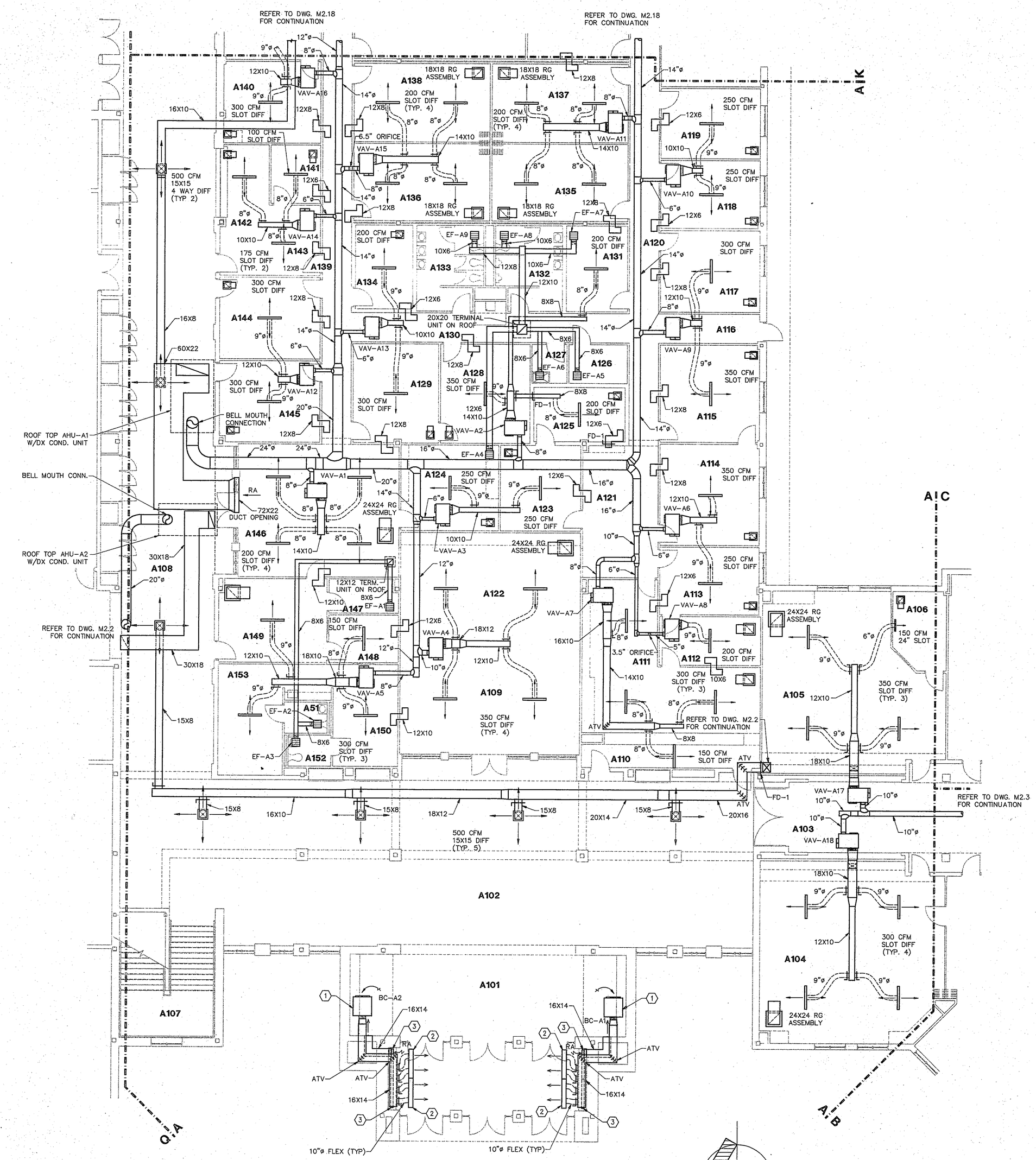

FLOOR PLAN UNIT "A"

1/8"=1'-0"

ROOM LEGEND "A1"

ROOM NO.	ROOM NAME	AREA S.F.	CEILING HEIGHT
A100	VESTIBULE	737	VARIES
A101	COMMONS	688	VARIES
A102	COMMONS	3120	24'-8"
A103	CORRIDOR	366	10'-0"
A104	MIMH	954	VARIES
A105	EH	843	VARIES
A106	TIMEOUT ROOM	116	9'-4"
A107	STAIR	348	24'-8"
A108	CORRIDOR	2037	10'-0"
A109	SECRETARY/WAITING	689	9'-4"
A110	MAILROOM	122	9'-4"
A111	WORKROOM	543	9'-4"
A112	DATA PROCESSING	144	9'-4"
A113	SYSTEMS SPECIALIST	198	9'-4"
A114	PRINCIPAL	294	9'-4"
A115	CONFERENCE	283	9'-4"
A116	CORRIDOR	87	9'-4"
A117	GUIDANCE OFFICE	238	9'-4"
A118	GUIDANCE OFFICE	198	9'-4"
A119	GUIDANCE OFFICE	204	9'-4"
A120	CORRIDOR	327	9'-4"
A121	SECRETARY	292	9'-4"
A122	RECEPTIONIST/SECRETARY	488	9'-4"
A123	TREASURER	202	9'-4"
A124	CENTRAL STORAGE	246	9'-4"
A125	VAULT	146	9'-4"
A126	ELECTRICAL	67	---
A127	JANITOR	40	9'-4"
A128	CONFERENCE	261	9'-4"
A129	ASSISTANT PRINCIPAL	248	9'-4"
A130	CORRIDOR	249	9'-4"
A131	STORAGE	154	9'-4"
A132	MENS TOILET	158	9'-4"
A133	WOMENS TOILET	159	9'-4"
A134	SECURITY	141	9'-4"
A135	CONFERENCE	308	9'-4"
A136	CONFERENCE	308	9'-4"
A137	CONFERENCE	314	9'-4"
A138	CONFERENCE	314	9'-4"
A139	CORRIDOR	330	9'-4"
A140	ATHLETIC DIRECTOR	233	9'-4"
A141	OFFICE	85	9'-4"
A142	ATTENDANCE WINDOW	86	9'-4"
A143	ATTENDANCE	205	9'-4"
A144	ASSISTANT PRINCIPAL	242	9'-4"
A145	ASSISTANT PRINCIPAL	239	9'-4"
A146	RECEPTIONIST/SECRETARY	629	9'-4"
A147	STORAGE	68	9'-4"
A148	NURSE	97	9'-4"
A149	RECEPTIONIST	265	9'-4"
A150	COTS	219	9'-4"
A151	TOILET	39	9'-4"
A152	TOILET	39	9'-4"
A153	COTS	237	9'-4"

EQUIPMENT NOTES:

(1) BLOWER COIL TO BE MAGICAIRE MODEL 48 BHX-4, HEATING ONLY. UNIT TO PROVIDE 1600 CFM AT 768 RPM, .25 ESP FROM 1/2 HP 115/1/60 MOTOR. HEATING CAPACITY TO BE 96 MBH, 8 GPM, BASED ON 180° EWT, 155.8° LWT AND 115.6° LAT

(2) 60" SUPPLY SLOT DIFFUSER TO BE TUTTLE & BAILEY IMPERIALINE SERIES CAB, 3/4", 6 SLOT DIFFUSER. DIFFUSER TO SUPPLY 160 CFM/FT (800 CFM TOTAL) WITH A THROW OF 20-31 FT AND AN NC OF LESS THAN 30. DIFFUSER TO BE SUPPLIED WITH DISTRIBUTION PLENUM WITH CONNECTION FOR 10"ø FLEX DUCT. UNIT TO BE MOUNTED FLUSH IN ARCHED PORTION OF BARREL CEILING. FINISH BY ARCHITECT.

(3) 60" SLOT RETURN TO BE TUTTLE & BAILEY IMPERIALINE SERIES CAB, 3/4", 3 SLOT CEILING RETURN. RETURN TO BE CAPABLE OF 160 CFM/FT (800 CFM TOTAL) WITH AN NC OF 30. UNIT TO BE MOUNTED IN FLAT AREA AT ENDS OF BARREL CEILING. FINISH BY ARCHITECT.

NOTES

1. ALL RECTANGULAR SUPPLY AND RETURN DUCTING IS TO BE WRAPPED WITH DUCTWRAP. ALL FRESH AIR INTAKE DUCTING FROM THE INTAKE GRILLE TO THE AIR HANDLING UNIT IS TO BE WRAPPED WITH DUCT WRAP. ALL SPIRAL DUCTING IS TO BE WRAPPED WITH DUCT WRAP WITH THE EXCEPTION OF THE EXPOSED SPIRAL DUCT IN THE GYMNASIUM. FRESH AIR SUPPLY DUCT FROM MAKE-UP AIR FAN TO KITCHEN HOOD IS TO BE WRAPPED WITH DUCT WRAP. REFER TO SPECIFICATION SECTION 15250 FOR ADDITIONAL REQUIREMENTS.
2. TERMINAL UNITS FOR EXHAUST FANS AND RANGE HOODS TO BE PENN AIRETTE OR APPROVED EQUAL WITH CURB & BIRD SCREEN. SIZE SHOWN IS MINIMUM ACCEPTABLE SIZE.
3. PROVIDE OPPOSED BLADE VOLUME DAMPERS ON ALL SUPPLY DIFFUSERS AND GRILLES (EXCEPT SLOT DIFFUSERS AND GYMNASIUM RETURN GRILLE)
4. FD-1 = 1 HR FIRE DAMPER ASSEMBLY
   FD-2 = 2 HR FIRE DAMPER ASSEMBLY
   FD-3 = 3 HR FIRE DAMPER ASSEMBLY
   SD-1 = SMOKE DAMPER ASSEMBLY
5. COORDINATE GRILLE & DIFFUSER LOCATIONS WITH REFLECTED CEILING AND ELECTRICAL PLANS. (DIFFUSERS TO BE MIN. 4'-0" FROM MOTION DETECTORS.)
6. ALL LOW PRESSURE DUCT OFFSETS OVER PROJECTION SCREENS IN TYPICAL CLASSROOMS, TO BE ELIMINATED IN BASE BID.

INDICATES 16X8 AIR TRANSFER OPENING IN WALL

97-M-02

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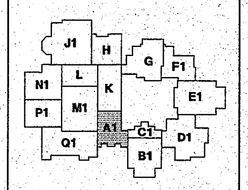
LEE BROCKMAN REGISTERED ARCHITECT STATE OF INDIANA

THE NEW
CHESTERTON HIGH SCHOOL
FOR THE
DUNELAND SCHOOL CORPORATION
CHESTERTON, INDIANA



Fanning/Howey Associates, Inc.
Architects Engineers Consultants

VENTILATION PLAN UNIT "A"

DRAWN BY: SCB
CHECKED BY: CAM
COMM. NO.: 95067.00
DATE: APRIL 21, 1997
REVISIONS NO. DATE

M2.1

CHESTERTON HIGH SCHOOL
95067.00