

**SPECIFICATIONS & NOTES:**

CONTRACTOR SHALL VISIT THE SITE TO DETERMINE PRE-EXISTING CONDITIONS AND ALL WORK NECESSARY, PRIOR TO BIDDING. VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS IN THE FIELD. GENERAL SCHEMATIC LAYOUT IS INDICATED; ALL OFFSETS, OBSTRUCTIONS, AND EXISTING CONFIGURATIONS AND CONSTRAINTS MUST BE FIELD VERIFIED.

OBTAIN NECESSARY PERMITS AND PAY ASSOCIATED FEES.

COORDINATE ANY SERVICE DISRUPTIONS WITH THE OWNER.

INSTALL ALL COMPONENTS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS, ALL LOCAL CODES AND STANDARDS, AND UNUM REQUIREMENTS.

DRAWINGS ARE DIAGRAMMATIC ONLY; FIELD-VERIFY ALL EXISTING CONDITIONS. COORDINATE INSTALLATIONS WITH OTHER TRADES.

THE INTENTION OF THESE CONTRACT DOCUMENTS IS TO CALL FOR FINISHED WORK, FULLY TESTED AND READY FOR OPERATION. ANY COMPONENTS OR LABOR NOT MENTIONED IN THE CONTRACT DOCUMENTS BUT REQUIRED FOR FUNCTIONING SYSTEMS SHALL BE PROVIDED. SHOULD THERE APPEAR TO BE ANY DISCREPANCIES OR QUESTIONS OF INTENT, THE CONTRACTOR SHALL REFER THE MATTER TO THE ARCHITECT FOR DECISION BEFORE START OF ANY RELATED WORK.

PERFORM WORK IN ACCORDANCE WITH LOCAL CODES.

SEAL ALL DUCT AND PIPE PENETRATIONS WITH FIRE SEALANT.

OBSERVE THE OWNER'S CLEANLINESS PROTOCOLS.

**METAL DUCTWORK**

GALVANIZED STEEL DUCTWORK: ASTM A653 GALVANIZED STEEL SHEET, LOCK-FORMING QUALITY, AND G90 ZINC COATING. ALL DUCTWORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS. CONSTRUCT DUCT SYSTEMS SO THAT LEAKAGE DOES NOT EXCEED ONE PERCENT OF THE TOTAL AIR QUANTITIES. SEAL ALL DUCT JOINTS WITH GASKETED CONNECTIONS, DUCTMATE, OR EQUAL.

INSULATE DUCTWORK WITH 1-1/2" F.G. BLANKET WITH VAPOR BARRIER JACKET EQUAL TO SCHULLER MICOLITE TYPE 75, ASTM C533, WITH FSK FACING.

PROVIDE VOLUME DAMPERS AT ALL BRANCH DUCTS.

**INSULATED FLEXIBLE DUCTS**

ALUMINUM LAMINATE AND POLYESTER FILM WITH LATEX ADHESIVE SUPPORTED BY HELICALLY WOUND SPRING STEEL WIRE, FIBERGLASS INSULATION, POLYETHYLENE VAPOR BARRIER FILM. R-VALUE = 4.2, UL 181, CLASS 1.

**TESTING, ADJUSTING, AND BALANCING (T-A-B)**

TEST, ADJUST, AND BALANCE EQUIPMENT AND DISTRIBUTION SYSTEMS IN ACCORDANCE WITH NEBB OR AMBC PROCEDURAL STANDARDS. TESTS SHALL BE PERFORMED BY AN INDEPENDENT T-A-B AGENCY.

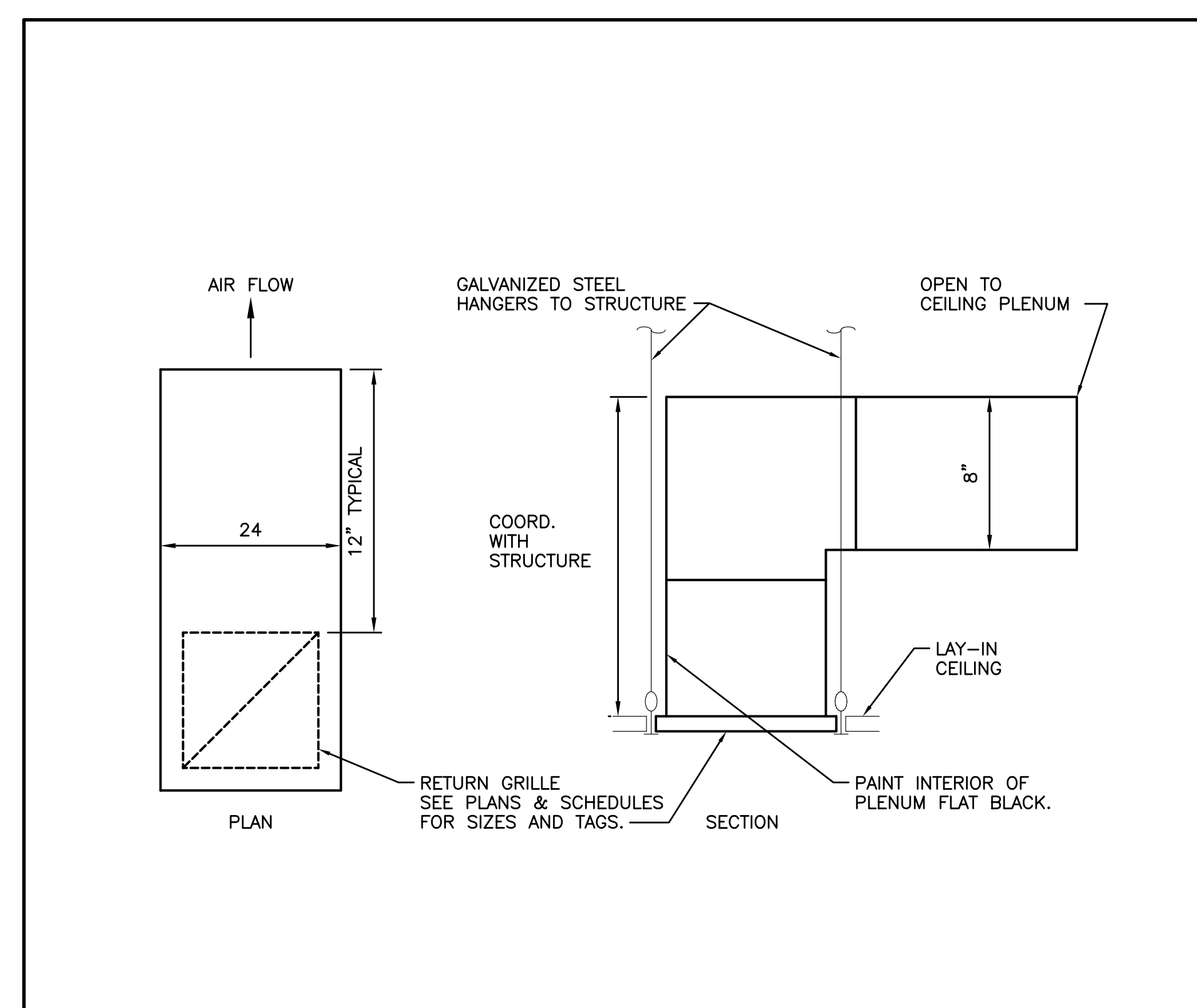
T-A-B ALL NEW AIR INLETS AND OUTLETS, INCLUDING DESIGN AND ACTUAL CFM.

**NOTE:**

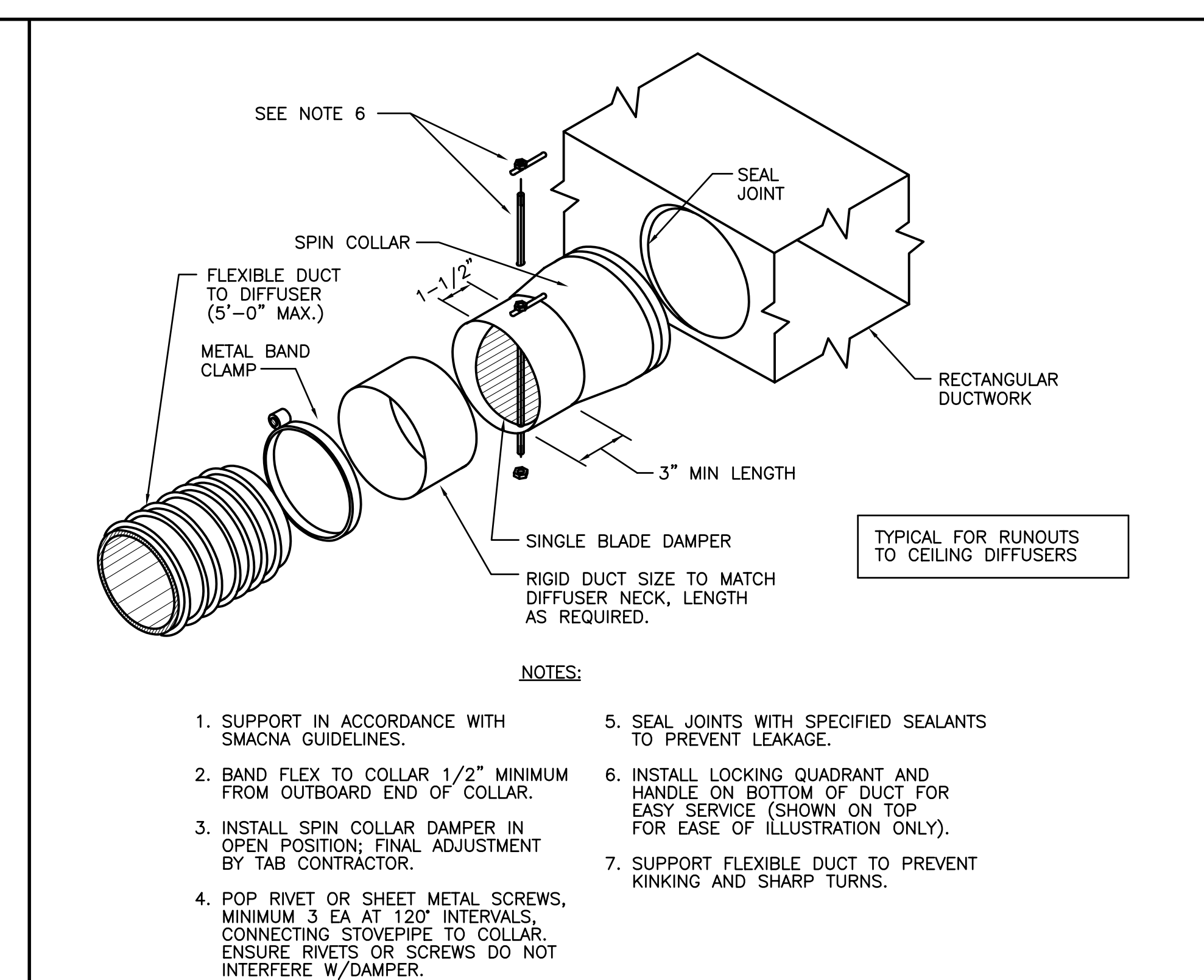
1. SEE SHEET M-001 FOR LEGEND AND ABBREVIATIONS.

REGISTER, DIFFUSER & GRILLE SCHEDULE							
TAG	CFM	NECK SIZE	TYPE	ΔP	MAX NC	TYPICAL UNIT MFG & MODEL NO.	NOTES
S-1	0-175	6"φ	SQUARE CEILING DIFFUSER	0.06	25	TITUS TMS 24x24 LAY-IN	①
S-2	176-280	8"φ	SQUARE CEILING DIFFUSER	0.06	25	TITUS TMS 24x24 LAY-IN	
R-1	0-900	22x22	RETURN GRILLE	0.02	25	TITUS 350 RL 24x24 LAY-IN	①


NOTES: ① WHITE FINISH.



**A8** RETURN AIR BOOT  
NOT TO SCALE



**A13** SPIN COLLAR FLEXIBLE DUCT CONNECTOR W/ DAMPER  
NOT TO SCALE

0	ISSUED FOR CONSTRUCTION-PHASE 1	5-21-03
REV.	DESCRIPTION	DATE
<b>ISSUED FOR CONSTRUCTION PHASE 1 5-21-03</b>		
CURRENT ISSUE STATUS:		
 <b>ARCHITECTURE ENGINEERING PLANNING</b> SMRT 144 Fore Street/P.O. Box 618 Portland, Maine 04104 tel. (207) 773-3846 fax. (207) 772-1070		
<b>UNUMPROVIDENT H01 OPEN OFFICE RENOVATIONS</b> PORTLAND, ME.		
<b>SPECIFICATIONS, DETAILS AND SCHEDULES</b>		
SHEET TITLE:		
SCALE:	AS NOTED	DATE: 5-21-03
PROJECT MANAGER:	JLH	GRAPHIC SCALE: 0" = 1"
JOB CAP/DRAWN:	RJL/BGG	
A/E OF RECORD:	DCM	SHEET No.
SMRT CAD FILE:	M-002-03051	<b>M-002</b>
PROJECT No.	03051	