

SPECIFICATIONS AND NOTES

GENERAL

- 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. COORDINATE ELECTRICAL POWER REQUIREMENTS FOR ALL MOTORS.
- 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 OF FIRE RATED WALLS AND FLOORS WITH FIRE SEALANT.
- INSTALL ALL PLUMBING FIXTURES, DOMESTIC WATER PIPING, SANITARY AND VENT PIPING IN ACCORDANCE WITH THE MAINE INTERNAL PLUMBING RULES.
- OBSERVE THE OWNER'S CLEANLINESS PROTOCOLS.

PIPING

- ALL PIPING SHALL BE PRESSURE TESTED. SUPPORT ALL PIPING IN ACCORDANCE WITH MSS STANDARD PRACTICE SP-69.
- SUPPORT WITH ADJUSTABLE CLEVIS HANGERS WITH INSULATION SHIELDS. PROVIDE UNITSTRUT BETWEEN STRUCTURAL MEMBERS FOR PROPER HANGER SPACING IN ACCORDANCE WITH MSS SP-69.
- DOMESTIC HOT AND COLD WATER: ASTM B88-89 TYPE L HARD DRAWN COPPER; SOLDER GRADE 95TA.
- SANITARY SEWER AND VENT ABOVE GRADE: CISPI 301 CAST IRON PIPE, SERVICE WEIGHT.
- PROVIDE FIBERGLASS INSULATION WITH ALL SERVICE JACKETS, 25 FLAME SPREAD, 50 SMOKE DEVELOPED. DOMESTIC HOT WATER: 0.5" THICKNESS. DOMESTIC COLD WATER: 0.5" THICKNESS.
- PIPE-MARKING LABELS: FURNISH AND INSTALL IN ACCORDANCE WITH ANSI/OSHA REQUIREMENTS.
- BALL VALVES SHALL BE APOLLO SERIES 70-200 OR APPROVED EQUAL.
- PROVIDE DIELECTRIC CONNECTIONS BETWEEN FERROUS AND NON-FERROUS MATERIALS.

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.
- PROVIDE VOLUME DAMPERS AT ALL BRANCH DUCTS.
- INSULATE ALL NEW SUPPLY AIR DUCTWORK WITH 1 1/2" FIBERGLASS BLANKET WITH VAPOR BARRIER JACKET EQUAL TO SCHULLER MICROLITE TYPE 75, ASTM C533, WITH FSK FACING.

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.

INLINE DIRECT DRIVEN EXHAUST FAN

- FAN HOUSING SHALL BE MINIMUM 20 GAUGE STEEL AND ACOUSTICALLY INSULATED. BLOWER AND MOTOR ASSEMBLY SHALL BE EASILY REMOVABLE FROM THE HOUSING. MOTOR SHALL BE MOUNTED ON VIBRATION ISOLATORS. UNIT SHALL BE SUPPLIED WITH INTEGRAL WIRING BOX AND DISCONNECT RECEPTACLE. WHEEL SHALL BE CENTRIFUGAL FORWARD CURVED TYPE, CONSTRUCTED OF GALVANIZED STEEL. MOTOR SHALL BE OPEN DRIP PROOF TYPE WITH PERMANENTLY LUBRICATED BEARINGS, BUILT-IN THERMAL OVERLOAD PROTECTION AND DISCONNECT PLUG. PROVIDE ACCESSORIES AS NOTED ON DRAWINGS.

AUTOMATIC TEMPERATURE CONTROLS

- EXTEND/MODIFY THE EXISTING ANDOVER CONTROL SYSTEM TO SERVE THE RENOVATED AREA. ALL NEW CONTROLS SHALL BE PNEUMATIC.
- EXHAUST FAN, EF-1, SERVING THE KITCHENETTE, SHALL OPERATE CONTINUOUSLY DURING OCCUPIED HOURS. END SWITCH ON THE EXHAUST AIR MOTORIZED DAMPER SHALL START FAN WHEN DAMPER IS FULLY OPEN. DURING UNOCCUPIED CYCLE, THE DAMPER SHALL BE CLOSED AND THE FAN SHALL BE OFF.

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

- TEST, ADJUST, AND BALANCE EQUIPMENT AND DISTRIBUTION SYSTEMS IN ACCORDANCE WITH NEBB OR AABC PROCEDURAL STANDARDS. TESTS SHALL BE PERFORMED BY AN INDEPENDENT T-A-B AGENCY.
- T-A-B ALL NEW AND REVISED AIR INLETS AND OUTLETS, INCLUDING DESIGN AND ACTUAL CFM. TEST AND ADJUST ADJACENT AFFECTED AREAS IF REQUIRED.
- T-A-B NEW KITCHENETTE EXHAUST.

REGISTER, DIFFUSER & GRILLE SCHEDULE

TAG	MAX CFM	NECK SIZE	TYPE	ΔP	MAX NC	TITUS MODEL NO.	NOTES
S-1	125	8"	LINEAR LAY-IN	0.065	25	MP-38-SP 4' LONG	①
S-2	98	8"	LINEAR LAY-IN	0.031	19	MP-39-SP 3' LONG	②
S-3	175	8"	24x24 LAY-IN	0.072	16	TDC 9x9, A4	③
S-4	300	18x6	24x24 LAY-IN	0.075	16	TDC 18x6, E3	④
E-1	480	16x16	24x24 LAY-IN	0.018	25	350F	
E-2	1035	18x18	SURFACE MOUNT	0.077	20	300F	⑤

- NOTES: ① TWO 3/4" SLOTS, 4' LONG, ADJUST AIR FLOW FOR 50% IN EACH DIRECTION.
 ② TWO 1" SLOTS, 3' LONG, ADJUST AIR FLOW FOR 50% IN EACH DIRECTION.
 ③ 4 DIRECTIONAL FLOW
 ④ 3 DIRECTIONAL FLOW
 ⑤ INSTALL 1/4 MESH INSECT SCREEN BEHIND GRILLE.

FAN SCHEDULE

TAG	LOCATION	SERVICE	TYPE	CFM	SP IN W.G.	DIAMETER IN.	RPM	ELECTRICAL DATA				TYPICAL UNIT MFG & MODEL NO.	NOTES	
								BHP	HP	VOLTS	PH			
EF-1	KITCHENETTE CEILING	EXHAUST	IN-LINE CENTRIFUGAL	900	0.5	-	1002	263W	1/3	120	1	NO	COOK GN-862	①

- NOTES: ① PROVIDE FAN SPEED CONTROLLER AND RUBBER IN SHEAR ISOLATORS.

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	FIXTURE	FAUCET/DRAIN	TRIM	SUPPORT	NOTES
SK-A	KITCHENETTE SINK ADA	ELKAY #LRAD 3319-55-5, 18 GAUGE, 304 SS, SELF-RIMMING SINK	CHICAGO #1102-CP FAUCET W/317 HANDLES & E3 AERATOR, ELKAY #LKAD 18B, SS GRID DRAIN AND OFFSET TAIL.	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS CHROME PLATED.	*	①②

- NOTES: ① INSULATE EXPOSED PIPING - TRUEBRO #102G ② INSTALL RELOCATED INSTAHOT DISPENSER.

DRAIN SCHEDULE

TAG	APPLICATION	TYPICAL UNIT MFG & MODEL NO.	DESCRIPTION	NOTES
FD-A	INDIRECT ICE MACHINE WASTE	ZURN Z-326	INDIRECT WASTE FUNNEL, 6 3/4" INLET, 2" PIPE SIZE	

NOTES:

NOTE:

- SEE SHEET M-001 FOR LEGEND AND ABBREVIATIONS.

0	ISSUED FOR CONSTRUCTION	6-2-03
REV.	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION
6-2-03

CURRENT ISSUE STATUS:



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PROJECT:

SPECIFICATIONS, NOTES AND SCHEDULES

SHEET TITLE:

SCALE:	NOT TO SCALE	DATE:	6-2-03
PROJECT MANAGER:	JLH	GRAPHIC SCALE:	0" 1"
JOB CAP/DRAWN:	BGG		
A/E OF RECORD:	LPA	SHEET No.	
SMRT CAD FILE:	M-002-02140		
PROJECT No.	02140		

M-002