VRF

TAG	MANUFACTURER	MODEL	SERVICE	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	AIR FLOW (CFM)	ELECTRIC VOLT	ELECTRIC PHASE	ELECTRIC MCA	ELECTRIC MOPD	DIMENSIONS (WxDxH) (IN)	MOUNTING TYPE	NOTES
HP-1	PANASONIC	S-36MF1U6	FIRST FLOOR	36,000	39,000	1060	208	1	15	15	58.5x25x12.5	CELING HUNG	
HP-2/3	PANASONIC	S-18MM1U6	FORE ST ENTRANCE	19,000	21,000	442	208	1	15	15	30x25x8	CELING HUNG	
HP-4	PANASONIC	S-12MM1U6	KITCHEN/DISHWASHING	12,000	14,000	318	208	1	15	15	30x25x8	CELING HUNG	
CU-1	PANASONIC	U-96ME1U9	ROOFTOP	95,000	106,500		208	3	34	45	35x35x83	ROOF	

MAKE UP AIR

UNIT TAG	UNIT MANUFACTURER	UNIT MODEL	UNIT SERVICE	UNIT MIN. OUTDOOR AIR (CFM)	UNIT % OA	SUPPLY FAN FAN AIRFLOW (CFM)	SUPPLY FAN FAN RPM	SUPPLY FAN FAN E.S.P (IN. WG)	SUPPLY FAN MOTOR VOLTAGE	SUPPLY FAN MOTOR POWER (HP)	SUPPLY FAN MOTOR PHASE	HEAT EXCHANGER INPUT CAPACITY (BTU/HR)	HEAT EXCHANGER OUTPUT CAPACITY (BTU/HR)	HEAT EXCHANGER FUEL	NOTES
MUA-1	REZNOR	ADF-300	HOOD MUA	2700	100	2700	1000	0.75	208	1.5	3	240,000	220,800	NAT GAS	DIRECT FIRED

FANS

TAG	MANUFACTURER	MODEL	SERVICE	AIR FLOW (CFM)	E.S.P (IN.WG)	RPM	SONES	HP	PHASE	VOLT	MOTOR CONTROL	DRIVE	DAMPER	DISCHARGE	NOTES
EF-1	CAPTIVE AIRE	NCA24HPFA	HOOD 1	3100	1.5	915	17.5	2	3	208		BELT	NONE	UPBLAST	
EF-2	GREENHECK	CSP-B200	RESTROOMS	200	0.3	1100	3.1	173 W	1	120	DDC	DIRECT	BACKDRAFT	INLINE	

REGISTERS, GRILLES, AND DIFFUSERS

TAG	MANUFACTURER	MODEL	TYPE	NECK SIZE (IN.)	MAX NC	SP (IN. WG)	DAMPER	FINISH	BORDER	NOTES
E1	TITUS	350RL	EXHAUST GRILLE	6x8	20	0.05	INTEGRAL OBD	BAKED ENAMEL WHITE	TYPE 1	
R1	TITUS	350RL	RETURN GRILLE	18x10	20	0.05	INTEGRAL OBD	BAKED ENAMEL WHITE	TYPE 1	
S1	TITUS	300RS	SUPPLY GRILLE	26x6	25	0.05	NONE	BAKED ENAMEL WHITE	TYPE 1	
S2	TITUS	300RS	SUPPLY GRILLE	14x6	25	0.05	EXTRACTOR	BAKED ENAMEL WHITE	TYPE 1	
S3	TITUS	60FS	SUPPLY GRILLE	24x10	25	0.05	NONE	BAKED ENAMEL WHITE	TYPE 1	HEAVY DUTY ALUMINUM

KITCHEN HOOD

TAG	MANUFACTURER	MODEL	SERVICE	DIMENSIONS L x W x H (IN)	EXHAUST COLLAR (QTY. IN.)	EXHAUST AIR FLOW (CFM)	EXHAUST APD (IN.WG)	SUPPLY COLLAR (QTY IN)	SUPPLY AIR FLOW (CFM)	MOUNTING HEIGHT AFF (IN)	MATERIAL 100 %	LIGHTS (QTY.) TYPE	CLOSURE COLLAR HEIGHT (IN)	DAMPER AT HOOD COLLAR	NOTES
HOOD1	CAPTIVE-AIRE	5412 SND-2	KITCHEN	144x54x12	1 - 29x10	3100	0.90	3 - 20x12	2300	80 INCHES	430 SS	4 - CFL	NONE	UL LISTED FD	FURNISHED BY OWNER INSTALLED BY CONTRACTOR

ELECTRIC UNIT HEATER

TAG	MANUFACTURER	MODEL	SERVICE	NOMINAL HEIGHT (IN)	ROWS	CAPACITY BTU	WATTS	VOLTS	PHASE	AMPS	NOTE
EUH-1	MARKEL	E3383D-RP	1ST FLOOR RESTROOM	12	2	5120	1500	120	1	12.5	
EUH-2	MARKEL	E3383D-RP	2ND FLOOR RESTROOM	12	2	5120	1500	120	1	12.5	

ISOMETRIC VIEW

PLAN VIEW

VOLUME DAMPERS:
1. PROVIDE STAND-OFF BRACKETS ON INSULATED DUCTS.
2. INSULATE UNDER BRACKETS, SEAL VAPOR BARRIER TO BRACKETS.
3. PROVIDE LOCKING, INDICATING QUADRANTS.

1 SIDE BRANCH TAKE-OFF
NO SCALE

Reviewed for Code Compliance Inspections Division Approved with Conditions
Date: 10/31/13

HARRIMAN
AUBURN PORTLAND MANCHESTER

GOULD RESTAURANT

PORTLAND, MAINE

Harriman Project No. 12752

Key Plan Proj North

Issues and Revisions

Mark	Date	Description
	05-21-13	75% REVIEW
	05-31-13	ISSUED FOR CONSTRUCTION
	07-26-13	RE-ISSUED FOR CONSTRUCTION
	09-23-13	RE-ISSUED FOR CONSTRUCTION

STATE OF MAINE CLIFTON W. GREIM No. 6405 LICENSED PROFESSIONAL ENGINEER

Drawing Scales
NO SCALE

PA / PE: CG
Drawn By: JSC

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SCHEDULES

M40.1

Plot Date: 9/23/2013 2:44:28 PM