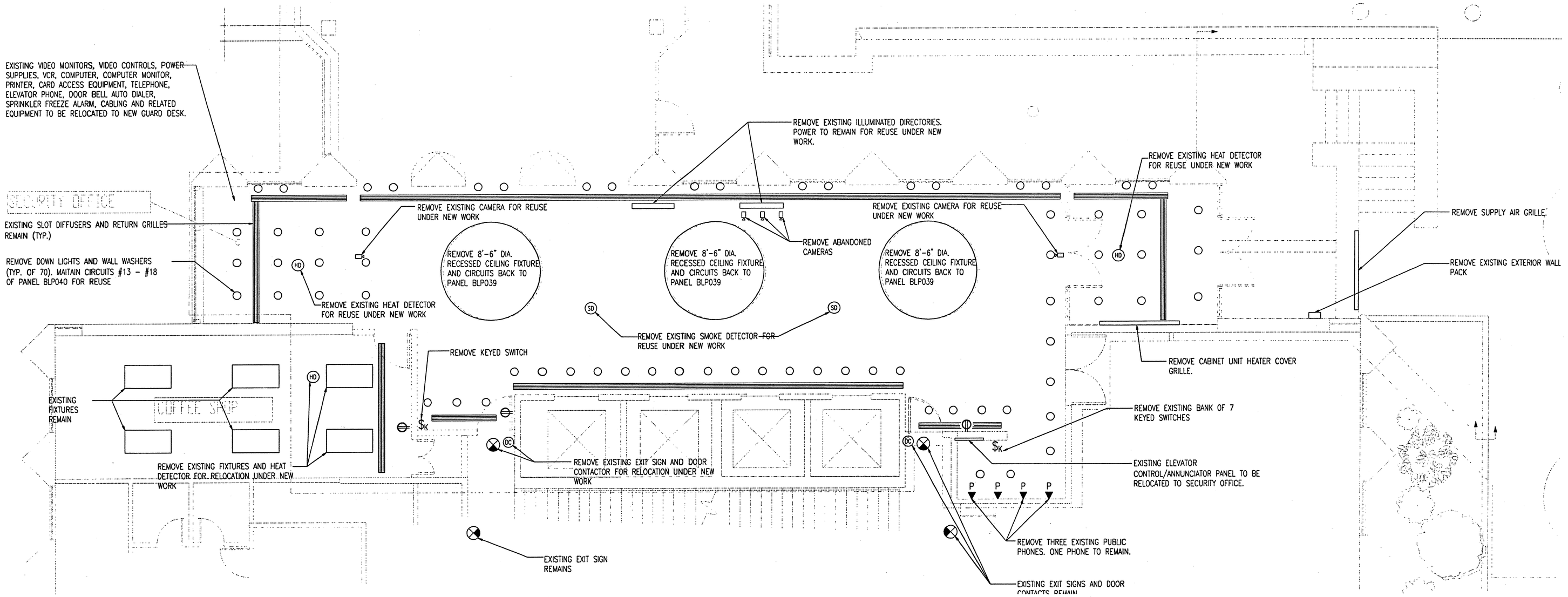

MECHANICAL AND ELECTRICAL DEMOLITION PLAN

RECEPTACLE OUTLETS

LETTER IS CIRCUIT CONTROL GROUP.
"42" INDICATES MOUNTED AT 42" A.F.F.
"GF" INDICATES GF OUTLET
(PROTECTS DOWNSTREAM RECEPTACLES ON SAME CIRCUIT.) ADJUST TO MINIMIZE CUT OF BLOCK AND TILE. MOUNT WITH GROUND TERMINAL AT TOP.

- DUPLEX RECEPTACLE OUTLET NEMA 5-20R, HEAVY DUTY
- QUADRUPLEX RECEPTACLE OUTLET (DOUBLE DUPLEX) NEMA 5-20R, HEAVY DUTY
- TELEPHONE OUTLET MTD. 18" AFF. W = WALL MTD. 54" A.F.F. P = PAY PHONE WALL MTD. 54" A.F.F.

SWITCHES / CONTROLS

SWITCHES LOCATED IN THE SAME AREA SHALL BE GANGED UNDER COMMON PLATE WHENEVER PRACTICAL. GROUP SWITCHES, THERMOSTATS ETC. TOGETHER. SWITCHES SHALL BE LOCATED ON STRIKE SIDE OF DOOR. ADJUST TO MINIMIZE CUT OF BLOCK OR TILE. LETTER IS SWITCH CONTROL GROUP.

- $ SINGLE POLE SWITCH
- $3 THREE-WAY SWITCH
- $D DIMMER SWITCH, PROVIDE SWITCH FOR FIXTURES ACTUALLY SERVED.
- $K KEY OPERATED SWITCH
- $HR HORSE POWER RATED SWITCH
- PE PHOTOELECTRIC CONTROL - LOCATED ON EXTERIOR WALL - ORIENT TO NORTH ELEVATION

PANELS & CIRCUITS

- ELECTRICAL PANEL, SURFACE MOUNTED
- ELECTRICAL PANEL, FLUSH MOUNTED
- HOME RUN TO CIRCUIT AND PANEL BOARD INDICATED. ARROWS INDICATE POLES.
- LP1-3 (PAR): INDICATES PARTIAL CIRCUIT; INDICATES CIRCUIT NUMBER; INDICATES PANEL
- ELECTRICAL FEED TO EQUIPMENT MULTIPLE ARROWHEADS INDICATES MULTIPLE CIRCUITS
- DIRECT CONNECTION OF EQUIPMENT NOTED. USE FLEXIBLE CABLE OF TYPE APPROVED FOR LOCATION.
- CONDUIT TURNING DOWN
- CONDUIT TURNING UP
- JC JUNCTION BOX - SIZED IN ACCORDANCE WITH NEC - "C" INDICATES MOUNTING IN CEILING SPACE
- M MANUAL STARTER - FLUSH TYPE IN FINISHED AREAS.
- (5) MOTOR HP AS INDICATED COORDINATE W/ ACTUAL EQUIPMENT FURNISHED.

SECURITY SYSTEMS

- EXISTING SECURITY CAMERA CEILING MOUNTED
- DC JAMB AND DOOR MOUNTED CONCEALED TYPE DOOR CONTACTS

FIRE ALARM & LIFE SAFETY

- FACP FIRE ALARM CONTROL PANEL
- ANN FIRE ALARM ZONE ANNUNCIATOR RECTANGULAR GRID TYPE
- F FIRE ALARM PULL STATION MTD 48" A.F.F.
- SDC SMOKE DETECTOR AS INDICATED C = ELEVATOR CONTROL
- HD HEAT DETECTOR - AS INDICATED
- H ALARM HORN/STROBE LIGHT, MTD 80" A.F.F.
- EXIT SIGN, RED LETTERING (SEE FIXTURE SCHEDULE)

ABBREVIATIONS

ACU	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
C	CONDUIT
CB	CIRCUIT BREAKER
℄	CENTER LINE
CTV	CABLE TELEVISION
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DWG	DRAWING
EBB	ELECTRIC BASEBOARD HEATER
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EUH	ELECTRIC UNIT HEATER
FACP	FIRE ALARM CONTROL PANEL
GF	GROUND FAULT CIRCUIT INTERUPTER
GND	GROUND
GRC	GALVANIZED RIGID STEEL CONDUIT
HH	HAND HOLE
HP	HORSE POWER / HEAT PUMP
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
KW	KILOWATT
KWH	KILOWATT HOUR
LTG	LIGHTING
MATV	MASTER ANTENNA TELEVISION
MB	MAIN BREAKER
MD	MAIN DISCONNECT
MDP	MAIN DISTRIBUTION PANEL
MH	MAN HOLE / METAL HALIDE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE (NFPA-70)
NF	NOT FUSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCD	OVERCURRENT DEVICE
PB	PULL BOX
RECP	RECEPTACLE
REQ'D	REQUIRED
SF	SUPPLY FAN
S/N	SOLID NEUTRAL
TYP	TYPICAL
UH	UNIT HEATER
UV	UNIT VENTILATORS
WP	WEATHERPROOF
XFMR	TRANSFORMER
WM	INSTALL WITH "WIREMOLD"
FM	"FLUSMOLD" UTILIZED
ALT¶	EQUIPMENT IS INCLUDED AS PART OF ALTERNATE ¶

GENERAL NOTES

1. ALL GENERAL NOTES, SYMBOL LIST & DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.
2. ALL WORK PERFORMED ON THIS CONTRACT SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE IN COMPLIANCE WITH NEC, NFPA, BOCA, OSHA, AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES
3. THESE DRAWINGS ARE, IN GENERAL, MADE TO SCALE BUT ALL MEASUREMENTS SHALL BE TAKEN FROM FIGURED DIMENSIONS, AND NOT BY SCALING.
4. THE ELECTRICAL CONTRACTOR SHALL CONFER WITH ALL OTHER TRADES RELATIVE TO THE LOCATION OF APPARATUS AND EQUIPMENT AND SELECT LOCATIONS SO AS NOT TO CONFLICT WITH WORK OF OTHER TRADES.
5. LIGHTING FIXTURE MANUFACTURERS NAME & MODEL NUMBER ARE USED FOR DESCRIPTIVE PURPOSES ONLY AND ARE INTENDED TO INDICATE THE STANDARD OF MATERIAL OR ARTICLES REQUIRED. FIXTURES MAY BE SUBSTITUTED ONLY WHERE NOTED.
6. ALL EQUIPMENT SHOWN ON THESE DRAWINGS IS INTENDED TO BE GENERALLY REPRESENTATIVE OF THE EQUIPMENT WHICH WILL BE INSTALLED UNDER THIS CONTRACT, BUT IT SHALL NOT BE ASSUMED THAT THE DRAWINGS INDICATE THE SPECIFIC CONFIGURATION, ARRANGEMENT OR POINTS OF CONNECTION OF THE ACTUAL EQUIPMENT UNLESS NOTED OTHERWISE.
7. ALL MOUNTING HEIGHTS GIVEN IN LEGEND ARE TYPICAL, UNLESS NOTED OTHERWISE IN SPECIFICATION, SECTION 16010, OR ON THESE DRAWINGS.
8. COORDINATE W/ CONTROLS CONTRACTOR TO PROVIDE POWER FOR ALL MISCELLANEOUS CONTROL OPERATORS AND PANELS
9. CIRCUIT BREAKERS USED FOR LIGHTING CIRCUITS SHALL BE SWITCH DUTY RATED AND APPROVED FOR USE WITH H.I.D. FIXTURES. CIRCUIT BREAKERS USED FOR HVAC AND REFRIGERATION EQUIPMENT SHALL BE "HACR" RATED.
10. ALL HOME RUNS FOR LIGHTING OR POWER CIRCUITS LONGER THAN 150 FEET SHALL BE INCREASED ONE SIZE. (IE: #12 TO #10)
11. ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS SHALL BE SIZED FOR THE O.C.D. RATING FOR THAT CIRCUIT ACCORDING TO NEC ART 310 UNLESS OTHERWISE INDICATED ON THESE DRAWINGS. IN NO CASE SHALL CONDUCTORS SMALLER THAN NO. 12 AWG BE USED FOR POWER OR LIGHTING CIRCUITS.
12. PROVIDE ⅜" NYLON ROPE IN ALL EMPTY SERVICE RACEWAYS.

GENERAL NOTES (CONT)

13. ALL SLEEVES AND OTHER PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL BE SEALED AFTER CABLE INSTALLATION WITH A FIRE RETARDANT COMPOUND.
14. ALL FLUSH MOUNTED PANELBOARDS SHALL BE PROVIDED WITH (2) 1¼" EMPTY CONDUITS BETWEEN PANEL & SUSPENDED CEILING.
15. ANY SURFACE RACEWAY SUCH AS CONDUIT OR WIREMOLD SHALL BE COORDINATED WITH AND APPROVED BY THE ARCHITECT BEFORE INSTALLATION.
16. ALL EXISTING WIRING AND ELECTRICAL DEVICES/EQUIPMENT SHALL NOT BE REUSED INCLUDING CATV, LIGHTING, POWER AND INTERCOM AND SHALL BE REMOVED UNLESS OTHERWISE NOTED.
17. THE CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING AROUND ALL CONDUITS, CABLES AND ELECTRICAL EQUIPMENT AT ALL PARTITIONS PIERCED PER NEC 300-21 AND B.O.C.A.
18. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL SIESMIC REQUIREMENTS FOR THE INSTALLATION OF ELECTRICAL EQUIPMENT UNDER B.O.C.A.
19. GROUNDING SHALL BE PER N.E.C. ARTICLE 250, INSTALL GROUNDING CONDUCTORS WITH ALL FEEDERS AND BRANCH CIRCUITS.

see electrical submittals and C.O. for changes

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMPS	NOTES	MOUNTING HEIGHT
A	DOWN LIGHT, LOW VOLTAGE, 3" APERT.	LITHONIA	DLV WSH 3 BC 120 DBL-MR16 50 55DBS	1-MR16/50W/55 DEG. 55 DEG. BEAM SPREAD		11'-6"
B	DOWN LIGHT, VERT. COMP. FLUOR.	LITHONIA	AFV 32TRT 6 WTR 277 GEB10	1-PL-T32W/35K/4P		11'-6"
B1	DOWN LIGHT, VERT. COMP. FLUOR.	LITHONIA	AFV 32TRT 6 WTR 120 GEB10	1-PL-T32W/35K/4P		VARIES
C	WALL WASH, VERT. COMP. FLUOR.	LITHONIA	AFVW 32TRT 6 WTR 120 GEB10	1-PL-T32W/35K/4P		11'-6"
D1	LINEAR FLUORESCENT	ELLIPTIPAR	FI02-T180-S-08-2-0 (2)VSB 02CA	1-F80T5HO/SP35	BLACK FINISH NO SUBSTITUTIONS	7'-2.5"
D2	LINEAR FLUORESCENT	ELLIPTIPAR	FI02-T380-X-08-2-0 (2)HSF0218 (2)HSGC018	2-F80T5HO/SP35	BLACK FINISH NO SUBSTITUTIONS	10'-0" (18" PENDANT)
D3	LINEAR FLUORESCENT	ELLIPTIPAR	FI02-T155-X-08-2-0 CONTINUOUS WITH D2	1-F55T5HO/SP35	BLACK FINISH NO SUBSTITUTIONS	10'-0" (18" PENDANT)
D4	LINEAR FLUORESCENT	ELLIPTIPAR	FI02-T380-S-02-2-0 (1)VSA02CA (2)VSB01CA	2-F80T5HO/SP35	WHITE FINISH NO SUBSTITUTIONS	11'-8.5"
E	WALL SCONCE	WINONA	SYNTAX 4101-F-PB	2-PL-QUAD13W/35K		5'-0"
F	UNDERCABINET TASK LIGHTING	ALKCO	SF311/RSW/ECB/	1-T811/SP35/RS		UNDER COUNTER
G	TRACK HEAD, LOW VOLTAGE, STEM MOUNT	RSA LIGHTING	TE1100 EXT24B	1-MR16/50W/55 DEG.	2' STEM DROP BLACK FINISH	9'-6" (24" STEM)
G1	LIGHTING TRACK Z-TRACK, 1 CIRCUIT	RSA LIGHTING	LENGTH AS REQUIRED	N/A	BLACK FINISH	11'-6" & 12'-3"
G2	TRACK HEAD, LOW VOLTAGE	RSA LIGHTING	TE1100	1-MR16/50W/55 DEG.	BLACK FINISH	12'-0"
	EMERGENCY LIGHTING BATTERY PACK	SURELITE	CU1-HD-B-SD	WEDGE BASE 6 VOLT, 5.4 WATT	BLACK FINISH	11'-6"
	EXIT SIGN	SURELITE	CX1110RB CAX-18-FKBK	NONE-LED	BLACK FINISH	10'-0" (18" PENDANT)
DIMMER	MOMENTUM PRESET	LIGHTOLIER	MP525QE-BR		COMPATIBLE WITH L.V. BALLASTS	11'-6"

CAD 24530001

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Scarborough, Maine, U.S.A.

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ENTRANCE AND LOBBY RENOVATIONS
ONE MONUMENT SQUARE
PORTLAND, MAINE
FOR FINARD & COMPANY
BURLINGTON, MASSACHUSETTS

JOB NO. 99-062

DRWN. CHK WRH

SCALE: 1/4"=1'-0"

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