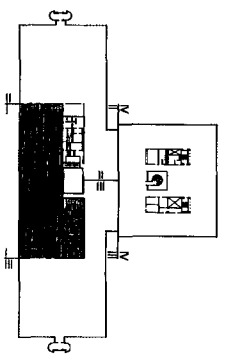


A1 REFLECTED CEILING DEMOLITION PLAN - PHASE I

1/8" = 1'-0"



F18 KEY PLAN

NOT TO SCALE

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04
1	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

PROJECT: UNIMPROVEMENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

ARCHITECTURE ENGINEERING PLANNING
SM RPT
144 Park Street, 6th Fl., Portland, Maine 04103
Tel: (207) 772-3846 Fax: (207) 772-0300

PHASE I
REFL. CEIL. DEMOLITION PLAN

SHEET TITLE: REFLECTED CEILING DEMOLITION PLAN - PHASE I

SCALE: 1/8" = 1'-0"

DATE: 1-28-04

PROJECT MANAGER: ALH

JOB CHIEF/DESIGNER: CEB

DWG. OR RECORD: ALH

SHEET NO.: AD101

PROJECT NO.: 03105-01

PROJECT No. 03100-01
 SHEET No. AD102
 JOB CAP/DRAWN: JLM
 PROJECT MANAGER: JLM
 GRAPHIC SCALE: 0'
 DATE: 1/8"=1'-0"

SHEET TITLE:
 PHASE II
 REFLECTED CEILING DEMOLITION PLAN

PROJECT:
 UNUMPROVIDENT HO-1
 2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME

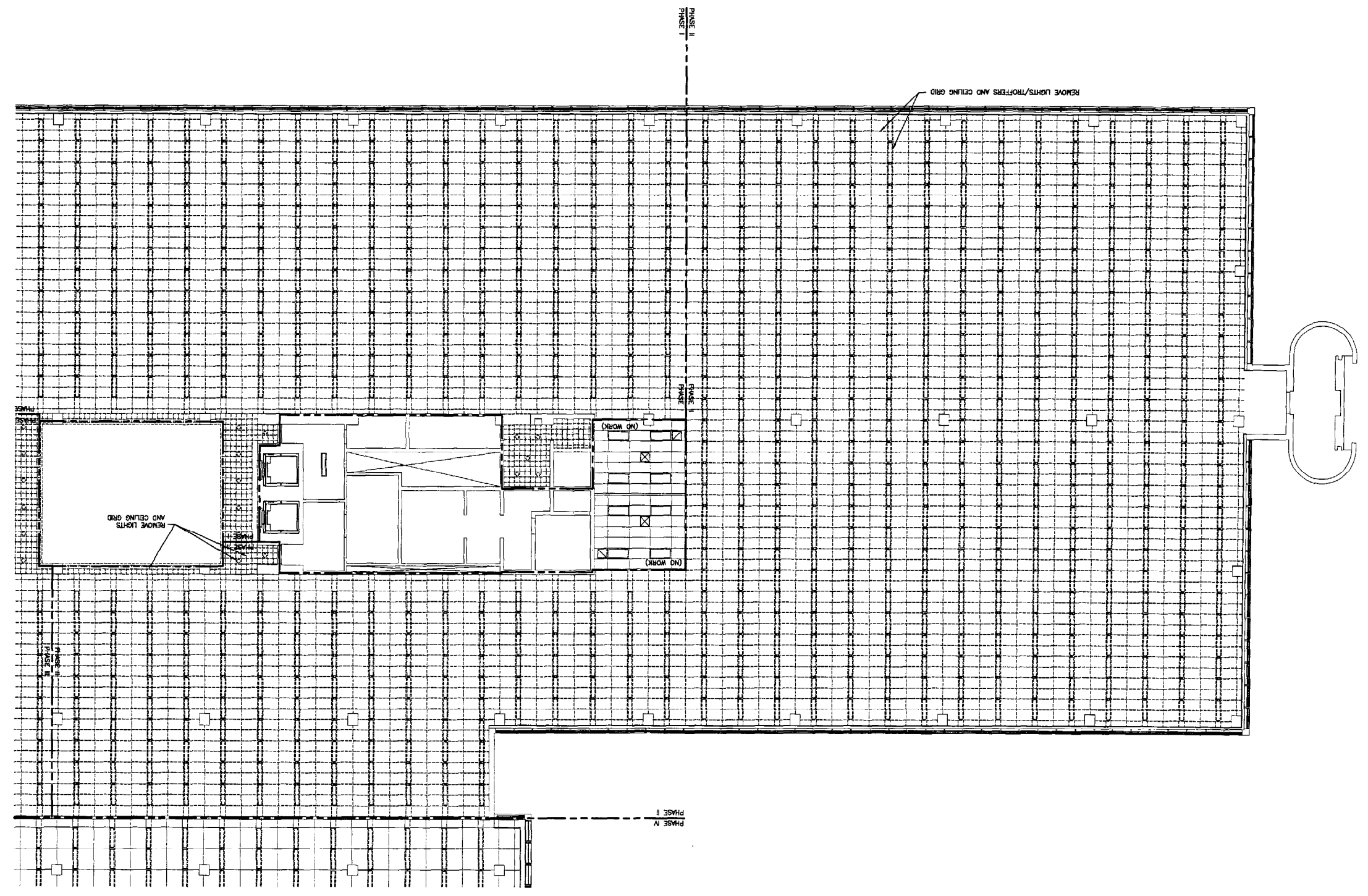
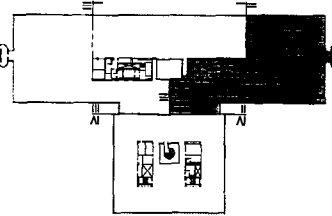
SM RT
 ARCHITECTURE ENGINEERING PLANNING
 144 NEW MARKET ST., 2ND FLOOR
 PORTLAND, MAINE 04101
 TEL: (207) 773-1800
 FAX: (207) 773-1870

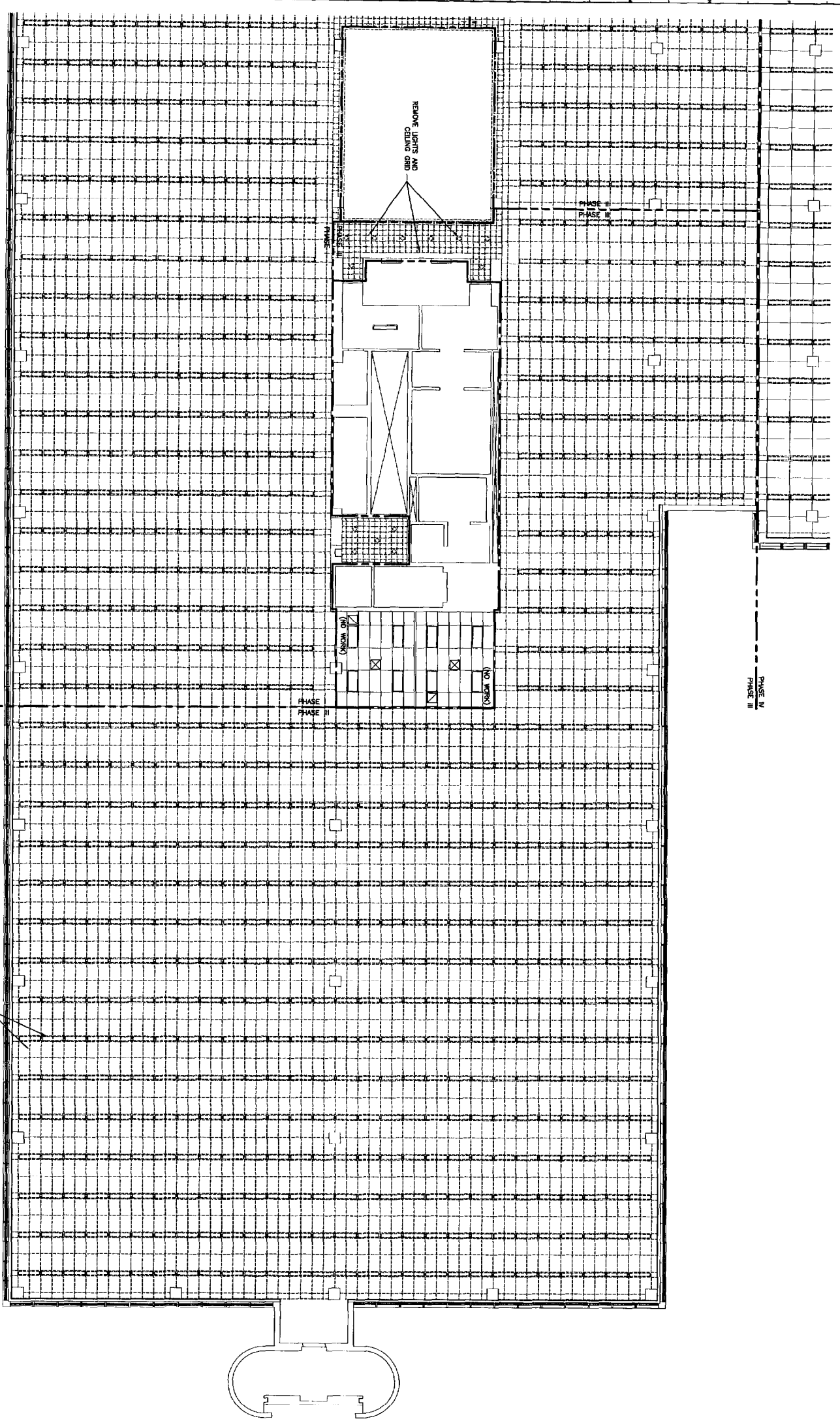


CURRENT ISSUE STATUS:
ISSUED FOR CONSTRUCTION
 1-28-04

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

NOT TO SCALE
 F18 KEY PLAN





PHASE I
PHASE II

PHASE II
PHASE II

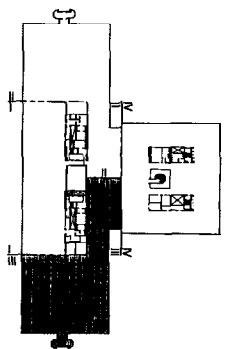
PHASE IV
PHASE III

REMOVE LIGHTS/FIXTURES AND CEILING GRID

REMOVE LIGHTS AND
CEILING GRID

NO WORK

NO WORK



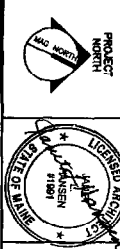
F18 KEY PLAN

NOT TO SCALE

REV.	ISSUED FOR CONSTRUCTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS



SM RT
ARCHITECTURE ENGINEERING PLANNING
44 Fore Street, 4th Floor
Portland, ME 04101
Tel: (603) 776-0200

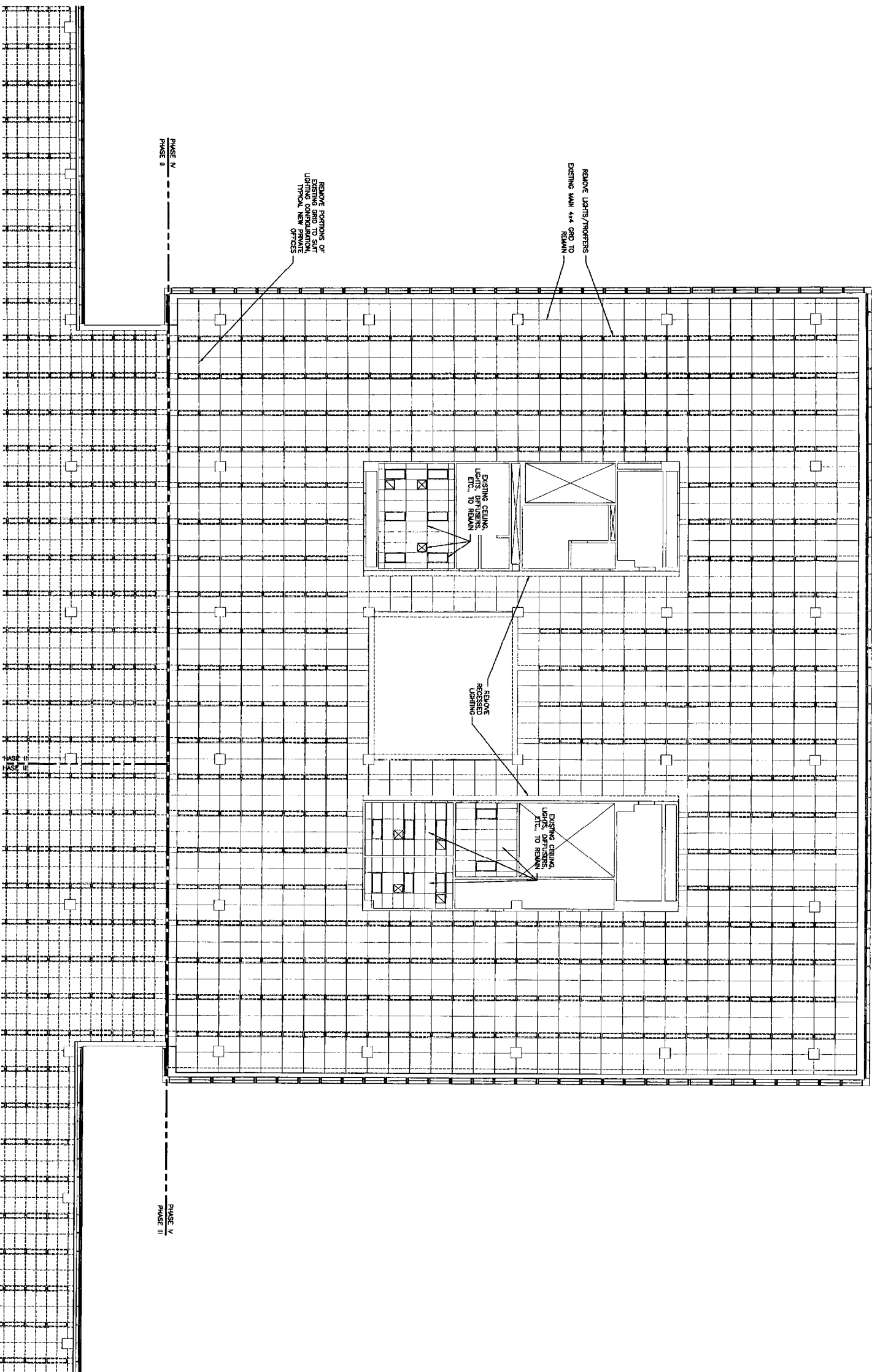
UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

PHASE III
REFL. CELL, DEMOLITION PLAN

PROJECT NO.	03300-01
SHEET NO.	AD103
DATE	1-28-04
SCALE	1/8"=1'-0"
PROJECT MANAGER	JUN
DESIGNER	CEB
CHECKER	JUN
DATE	JUN

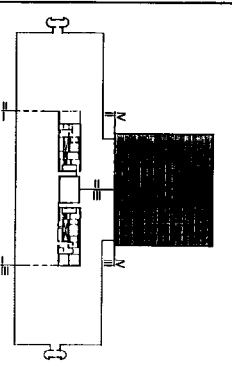
A1 REFLECTED CEILING DEMOLITION PLAN - PHASE III

1/8"=1'-0"



A1 REFLECTED CEILING DEMOLITION PLAN - PHASE IV

1/8"=1'-0"



F18 KEY PLAN
NOT TO SCALE

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS:

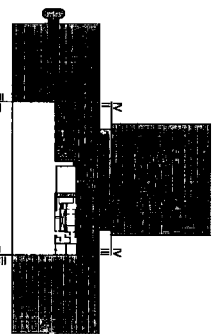
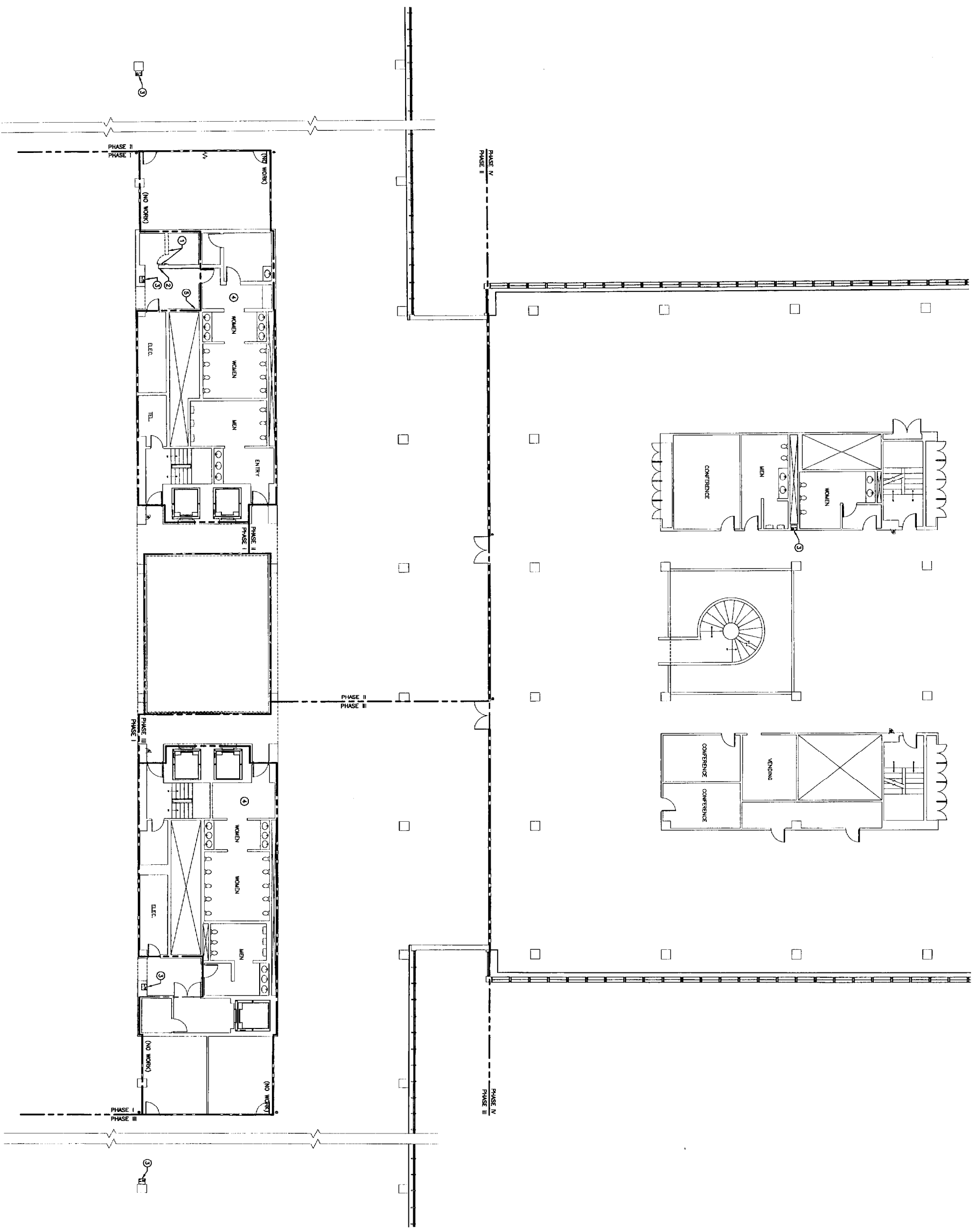
SM
RT
ARCHITECTURE ENGINEERING PLANNING
 144 High Street, 11th Floor
 Portland, Maine 04103
 Tel. (603) 773-3344
 Fax (603) 773-0800

UNIDIPROVIDENT HO-1
 2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME.

PHASE IV
 REFL. CEIL. DEMOLITION PLAN

SHEET TITLE: PHASE IV REFL. CEIL. DEMOLITION PLAN
 SCALE: 1/8"=1'-0"
 PROJECT MANAGER: JLN
 JOB CHIEF/DESIGNER: CEB
 DATE OF RECORDS: JLN
 SHEET NO.: AD104
 PROJECT NO.: 03100-01

- DEMOLITION KEY NOTES**
- ① REMOVE OLD WALL, DOOR, AND FRAME.
 - ② SQUARE ROOM AND FRAME, DRAINAGE OPENING IN OLD WALL FOR NEW FRAME AND DOOR.
 - ③ REMOVE ELECTRIC WATER COOLER (EWC), CAP PLUMBING, DISCONNECT ELECTRICAL POWER AT PANEL.
 - ④ REMOVE CARPETING AND VINYL WALL COVERING.
 - ⑤ CUT OPENING IN CHASE WALL TO ACCESS PLUMBING FOR NEW ELECTRIC WATER COOLER.



F18 KEY PLAN
NOT TO SCALE

ISSUED FOR CONSTRUCTION
1-28-04

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

SM RT
ARCHITECTURE ENGINEERING PLANNING
144 Foss Street, 2nd Fl.
Portland, Maine 04104
Tel: (207) 775-3846
Fax: (207) 775-1070

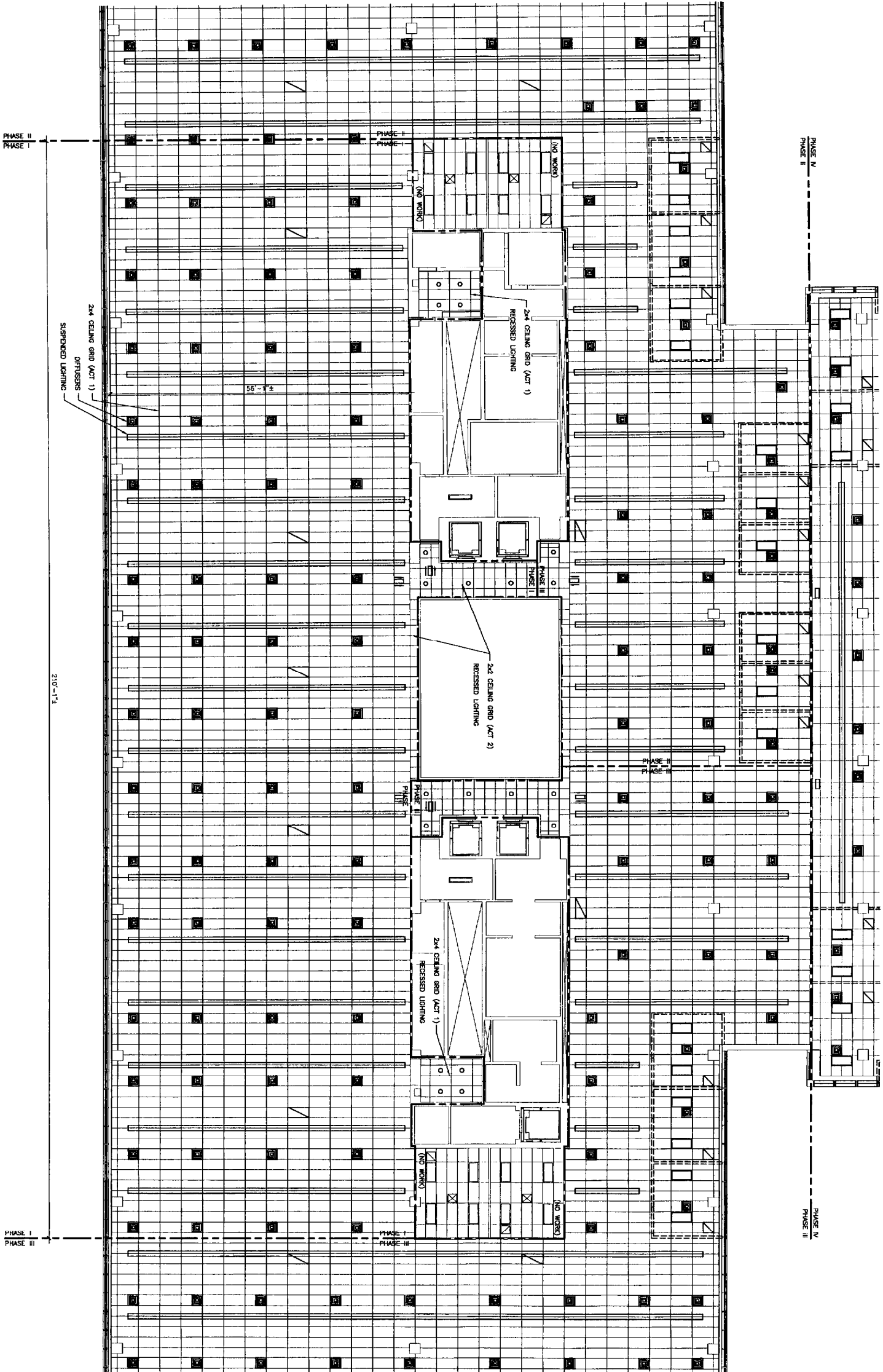
UNAPPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME.

DEMOLITION FLOOR PLAN

SHEET TITLE:	1/8"=1'-0"	DATE:
PROJECT MANAGER:	DA	DRAWING SCALE:
DATE OF RECORD:	JUL	SHEET NO.:
SMART CAD FILE:	2010-03-03-01	AD105
PRODUCT NO.:	03100-01	

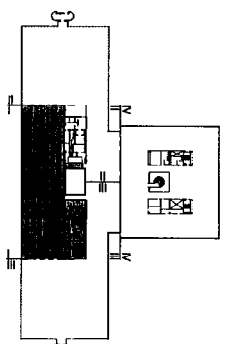
A1 DEMOLITION FLOOR PLAN

1/8"=1'-0"



A1 REFLECTED CEILING PLAN - PHASE I

1/8"=1'-0"



F18 KEY PLAN

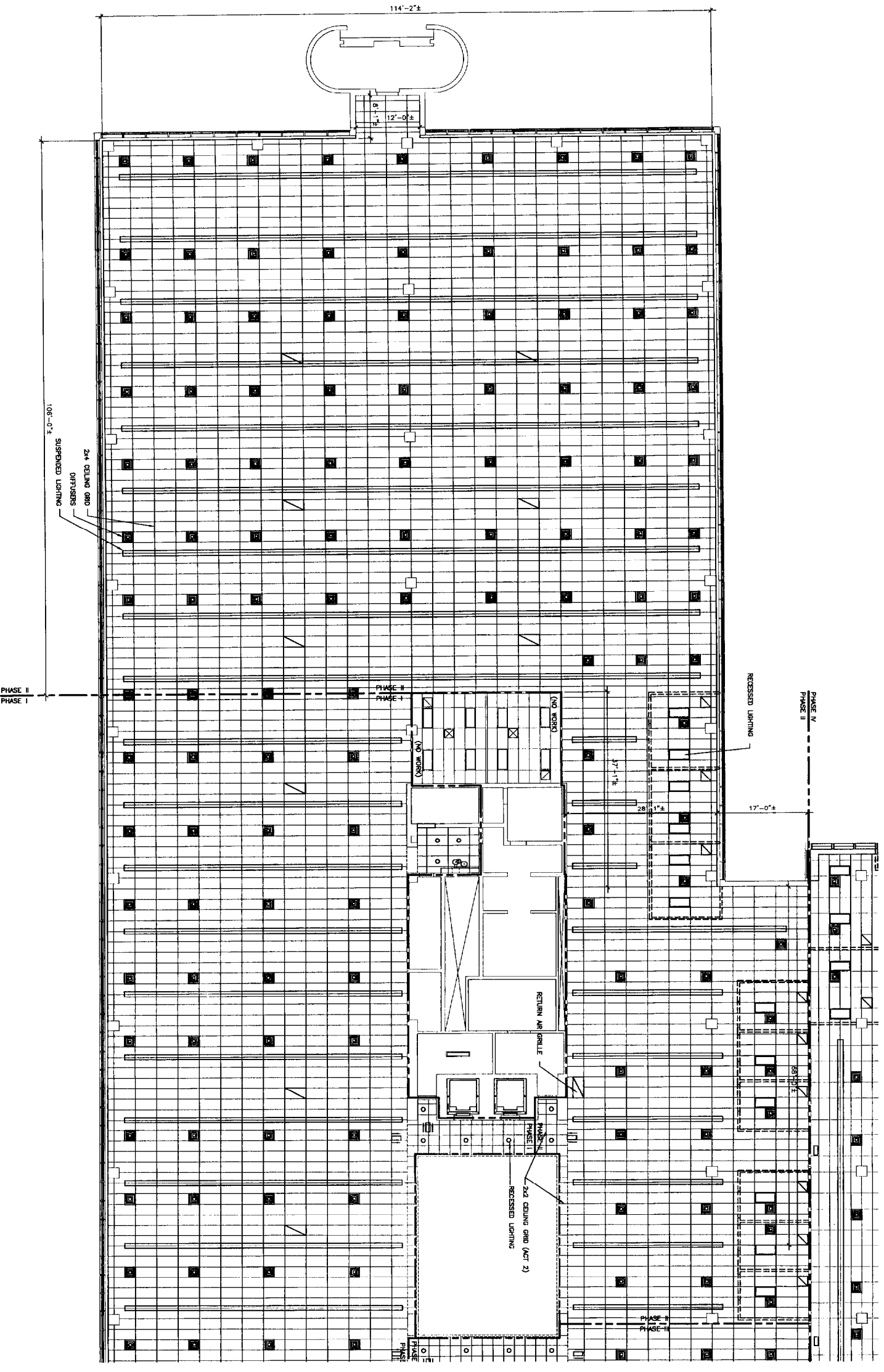
REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04
1	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

PROJECT: UNIMPROVED HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

ARCHITECTURE ENGINEERING PLANNING
SM
RT
144 Park Street, 6th Floor
Portland, Maine 04103
Tel: (207) 772-2400
Fax: (207) 772-9000

SHEET TITLE	REFLECTED CEILING PLAN
SCALE	1/8"=1'-0"
DATE	
PROJECT MANAGER	JLH
JOB CHIEF/DRAWN	CEB
DATE OF SECOND	JLH
SHEET NO.	AE101
PROJECT NO.	03100-01



A1 REFLECTED CEILING PLAN - PHASE II

1/8" = 1'-0"

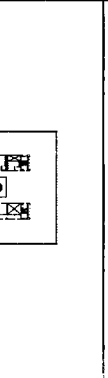
PROJECT: UNIMPROVIDENT HO-1
2ND FLOOR OFFICE RENOVATIONS
PORTLAND, ME

PHASE II
REFLECTED CEILING PLAN

SM RT ARCHITECTURE ENGINEERING PLANNING
144 Park Street, 3rd Fl., Portland, ME 04103
Tel: (207) 725-3446 Fax: (207) 725-1070

PROJECT NUMBER: 19991
DATE: 1-28-04
ISSUED FOR CONSTRUCTION

KEY PLAN
NOT TO SCALE



ISSUED FOR CONSTRUCTION
1-28-04

PROJECT STATUS: CURRENT

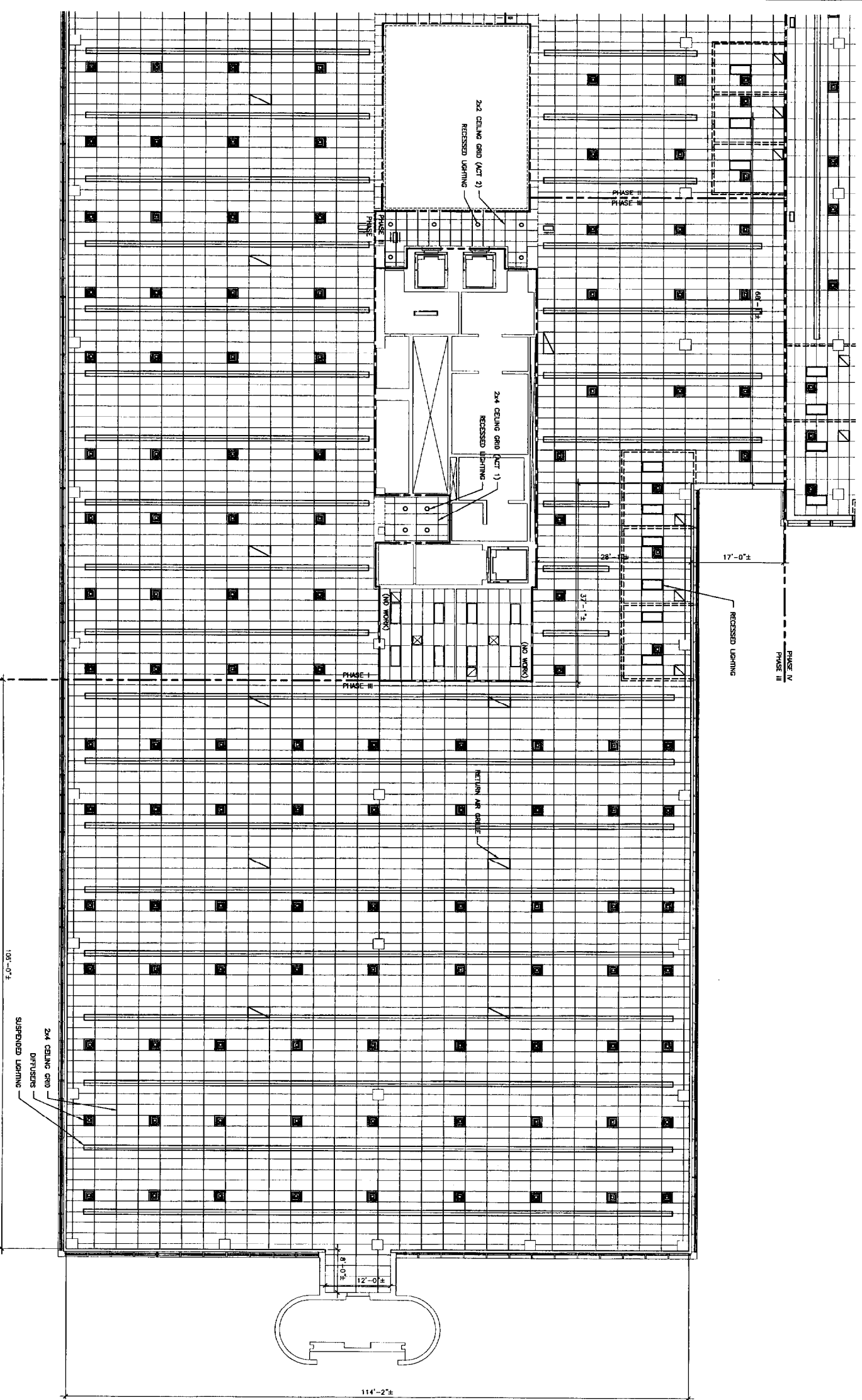
DATE: 1-28-04

DESCRIPTION: 2ND FLOOR OFFICE RENOVATIONS

DATE: 1-28-04

PROJECT NO: 03100-01

SHEET NO: AE102



PHASE I
PHASE III

PHASE I
PHASE II
PHASE III

PHASE IV
PHASE III

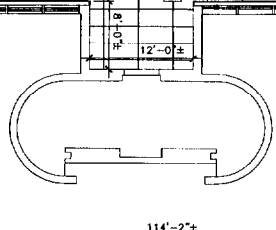
2x4 CEILING GRID -
DIFFUSERS
SUSPENDED LIGHTING

2x4 CEILING GRID (ACT 2)
RECESSED LIGHTING

2x4 CEILING GRID (ACT 1)
RECESSED LIGHTING

SECTION AIR GRILLE

RECESSED LIGHTING



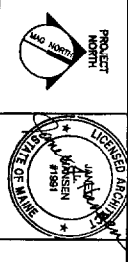
F18 KEY PLAN

NOT TO SCALE

REV.	ISSUED FOR CONSTRUCTION DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS



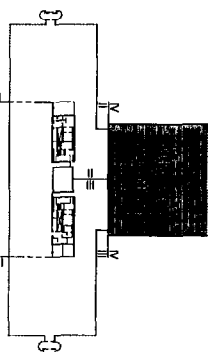
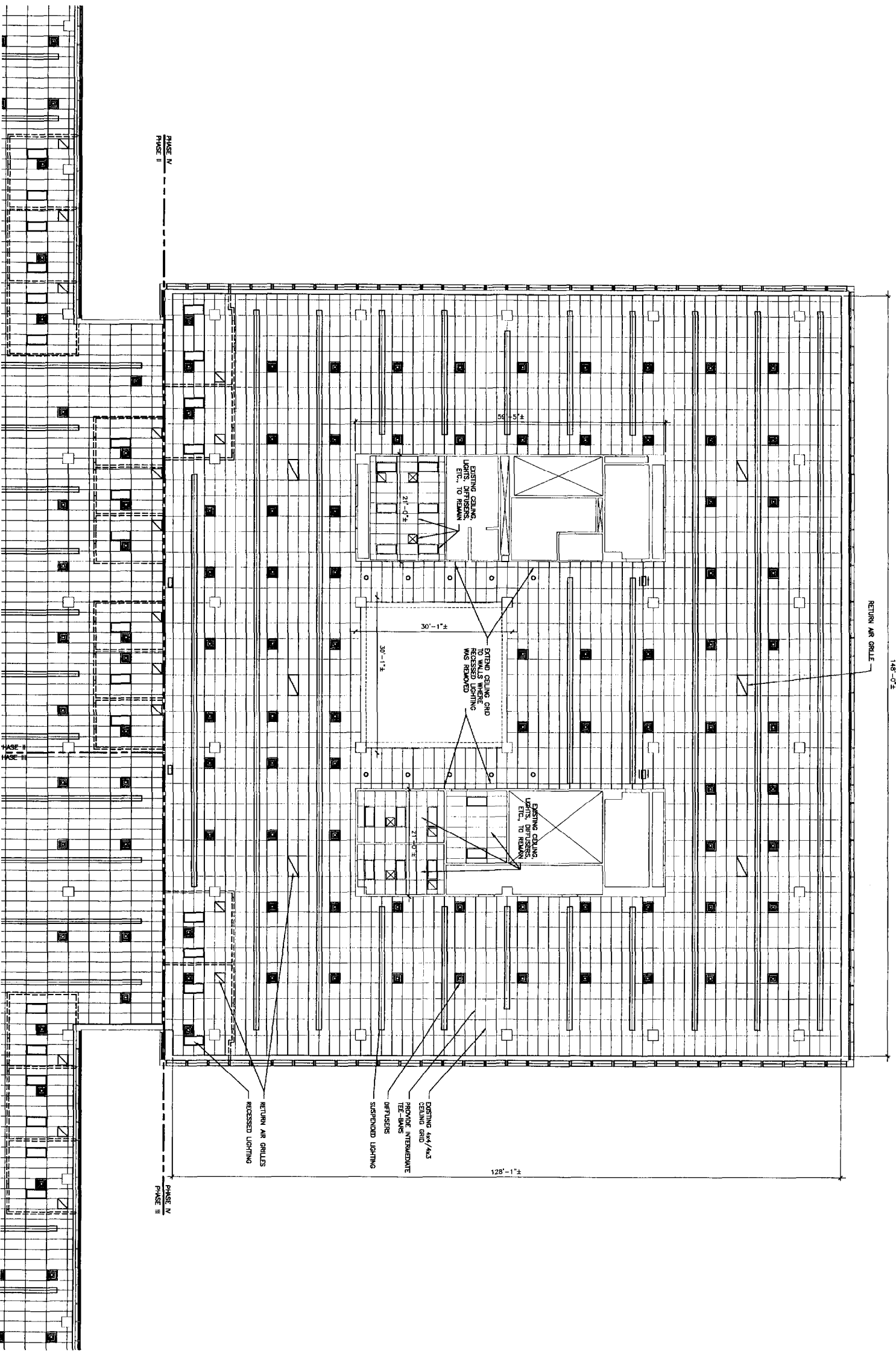
SM RT
ARCHITECTURE ENGINEERING PLANNING
144 Pine Street, 7th Fl., Box 618
Portland, Maine 04101
Tel: (603) 775-5186
Fax: (603) 775-5183

UNAPPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

PHASE III
REFLECTED CEILING PLAN

SHEET TITLE: REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"
DATE: 1-28-04
PROJECT MANAGER: JAH
JOB CDR/DRAWN: CEB
A/E OF RECORD: JAH
SHEET NO.: AE103
PROJECT NO.: 03100-01

A1 REFLECTED CEILING PLAN - PHASE III
1/8"=1'-0"



F18 KEY PLAN

NOT TO SCALE

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-13

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS

PROJECT: UNUMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

ARCHITECTURE ENGINEERING PLANNING
SM RT
144 State Street, 2nd Floor
Portland, Maine 04101
Tel: (207) 773-3444
Fax: (207) 773-1000

PROJECT NUMBER: A1H
JOB NO./DRAWING: CEI
DATE: 1/28-13
SHEET NO.: AE104

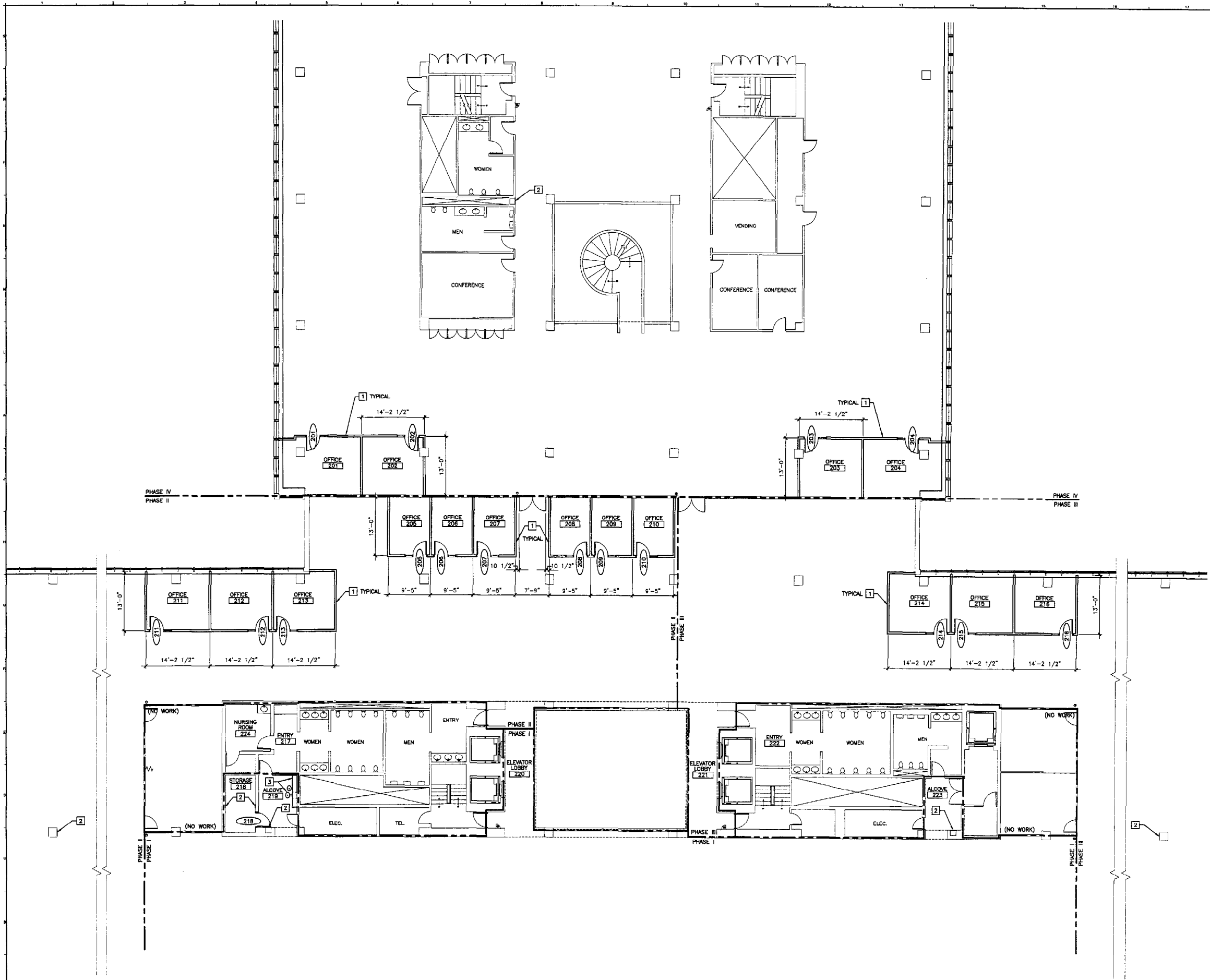
SCALE: 1/8"=1'-0"
GRAPHIC SCALE: 0'

A1 REFLECTED CEILING PLAN - PHASE IV
1/8"=1'-0"

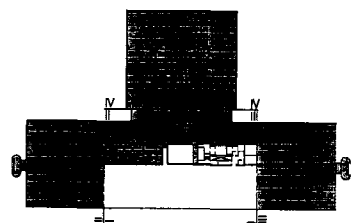
PHASE IV
REFLECTED CEILING PLAN

PROJECT NO. 01100-01

SHEET NO. AE104



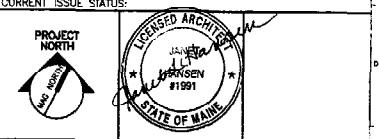
- KEY NOTES**
- 1 3-5/8 METAL STUDS AT 16" O.C. WITH 5/8" GWB EACH SIDE AND ACOUSTICAL INSULATION.
 - 2 PATCH WALL TO MATCH ADJACENT CONSTRUCTION AND FINISH.
 - 3 PROVIDE ELECTRIC WATER COOLER. PROVIDE GWB CHASE WALL TO CEILING.



F18 KEY PLAN

NOT TO SCALE	
0	ISSUED FOR CONSTRUCTION 1-28-04
REV.	DESCRIPTION DATE

ISSUED FOR CONSTRUCTION 1-28-04



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 144 Fore Street, P.O. Box 618
 Portland, Maine 04104
 Tel. (207) 772-3846
 Fax. (207) 772-1070

UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME.

PRIVATE OFFICE FLOOR PLAN

SHEET TITLE:	1/8"=1'-0"	DATE:	
PROJECT MANAGER:	JLH	GRAPHIC SCALE:	0' 1'
JOB CAP/DRAWN:	CEB		
A/E OF RECORD:	JLH	SHEET No.	
SWRT CAD FILE:	AE105-03100-01		
PROJECT No.	03100-01		AE105

A1 PRIVATE OFFICE FLOOR PLAN
 1/8"=1'-0"

ROOM FINISH SCHEDULE

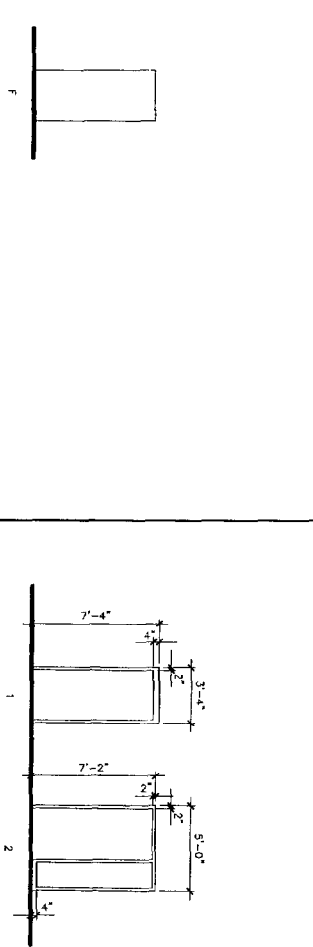
ROOM NUMBER	ROOM NAME	FLOOR	BASE	HEIGHT	WALLS	CEILING	FINISH	REMARKS
201	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
202	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
203	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
204	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
205	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
206	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
207	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
208	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
209	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
210	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
211	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
212	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
213	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
214	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
215	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
216	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
217	OFFICE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
218	STORAGE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	SEAL PIPE PENETRATIONS
219	STORAGE	GRT TLE	RES	8'-0"	PAINT	ACT 1	ALF #1	
220	ELEVATOR LOBBY	GRT TLE	RES	11'-0"	PAINT	ACT 2	REMOVE EXST WMC	
221	ELEVATOR LOBBY	GRT TLE	RES	11'-0"	PAINT	ACT 2	REMOVE EXST WMC	
222	LOBBY	GRT TLE	RES	8'-0"	PAINT	ACT 1	REMOVE EXST WMC	
223	LOBBY	GRT TLE	RES	8'-0"	PAINT	ACT 1	REMOVE EXST WMC	
224	INDUSNG ROOM	GRT TLE	RES	8'-0"	PAINT	ACT 1	REMOVE EXST WMC	

L9 ROOM FINISH SCHEDULE

DOOR NUMBER	DOOR SIZE	DOOR MATERIAL	ELEVATION	GLAZING	WALLS	CEILING	FINISH	REMARKS
101	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
202	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
203	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
204	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
205	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
206	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
207	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
208	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
209	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
210	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
211	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
212	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
213	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
214	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
215	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
216	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	
218	3'-0" x 7'-0" x 1-3/4"	HM	F	TEMP.	HM	ACT 1	ALF #1	

DOOR SCHEDULE

E9 DOOR SCHEDULE



A9 DOOR ELEVATIONS

A13 FRAME ELEVATIONS

SM RT
 ARCHITECTURE ENGINEERING PLANNING
 144 Fox Street, 3rd Floor
 Portland, Maine 04103
 Tel: (207) 773-3846
 Fax: (207) 773-0709

UNIMPROVEMENT HO-1
 2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME.

PROJECT: ROOM FINISH AND DOOR SCHEDULES
 SHEET TITLE: ROOM FINISH AND DOOR SCHEDULES
 SCALE: NOT TO SCALE
 DATE:

PROJECT MANAGER: JHJ
 JOB CHG/DRAWN: CEB
 A/E OF RECORD: JHJ
 SHEET NO.: AE601
 PROJECT NO.: 03-00-01

ISSUED FOR CONSTRUCTION
 1-28-04

CURRENT ISSUE STATUS:

0 ISSUED FOR CONSTRUCTION 1-28-04
 1 REVISION

AIR DISTRIBUTION SYMBOLS

	RECTANGULAR DUCT, (FIRST NUMBER IS SIDE SHOWN) DIMENSIONS IN INCHES
	12 INCH ROUND DUCT
	MOTORIZED DAMPER
	FLEXIBLE DUCT
	DUCT FLEXIBLE CONNECTOR (FC)
	DUCT DROPS AND RISES IN DIRECTION OF AIR FLOW
	RETURN DUCT TURNED UP OR DOWN (DASHED)
	SUPPLY DUCT TURNED UP OR DOWN (DASHED)
	EXHAUST DUCT TURNED UP OR DOWN (DASHED)
	ACOUSTICAL LINING (DUCT DIM. FOR NET FREE AREA)
	ROUND DUCT ELBOW DOWN
	ROUND DUCT ELBOW UP
	SQUARE TO ROUND TRANSITION
	CAP (DUCT AND/OR PIPE)
	INDICATES DUCT, PIPING, EQUIPMENT TO BE REMOVED.
	EXHAUST AIR
	RETURN AIR
	SUPPLY AIR
	VOLUME DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	TAG NO.
	COMBINATION SMOKE/FIRE DAMPER
	TAG NO.
	RECTANGULAR ELBOW W/TURNING VANES
	DIRECTION OF AIR FLOW (IN)
	DIRECTION OF AIR FLOW (OUT)
	HUMIDISTAT OR HUMIDITY SENSOR
	THERMOSTAT (TSTAT) OR TEMP. SENSOR
	SMOKE DETECTOR
	DIFFUSER, REGISTER OR GRILLE TAG
	CFM AIR FLOW QUANTITY
	TYP. 3
	FINNED TUBE TAG
	LENGTH OF FINNED ELEMENT
	DETAIL NO.
	SHEET NO. WHERE DETAIL IS LOCATED
	EQUIPMENT TAG
	EQUIPMENT NO.

PIPING SYMBOLS

	UNION		ORIFICE FLOWMETER
	FLANGE		FLEXIBLE PIPE CONNECTOR
	PIPE ANCHOR		EXPANSION JOINT
	PIPE GUIDE OR SLEEVES		STEAM TRAP (FLOAT AND THERMOSTATIC INDICATED T.T., THERMOSTAT, B.T. BUCKET TRAP, T.D. THERMODYNAMIC TRAP)
	PIPE ELBOW TURNED DOWN		CONCENTRIC REDUCER/INCREASER
	PIPE ELBOW TURNED UP		ECCENTRIC REDUCER/INCREASER
	PIPING TEE-DOWN		HOSE BIB
	PIPING TEE-UP		WALL HYDRANT
	PIPE RISER		DIRECTION OF FLOW
	FLOOR CLEAN OUT		FIRE DEPARTMENT CONNECTION
	CLEAN OUT		PUMP
	WALL CLEAN OUT		WATER HAMMER SUPPRESSOR
	PIPE PITCHES DOWN		FINNED TUBE BASEBOARD
	GENERIC VALVE, SEE SPECIFICATIONS FOR TYPE		HUMIDIFIER
	GATE VALVE		DIFFERENTIAL PRESSURE TRANSMITTER
	BALL VALVE		SPRINKLER HEAD
	BUTTERFLY VALVE (MANUAL)		GAS TURRET
	2-WAY CONTROL VALVE		MEDICAL OXYGEN OUTLET
	BALANCING VALVE (CIRCUIT SETTER)		MEDICAL VACUUM INLET
	CHECK VALVE		NITROUS OXIDE OUTLET
	PLUG VALVE		
	GLOBE VALVE		
	NEEDLE VALVE		
	BACK FLOW PREVENTER		
	SOLENOID VALVE		
	PRESSURE REDUCING OR REGULATING VALVE		
	PRESSURE RELIEF VALVE		
	STRAINER		
	STRAINER W/BLOWDOWN		
	MANUAL AIR VENT		
	AUTOMATIC AIR VENT		
	PRESSURE SWITCH		
	FLOW SWITCH		
	PRESSURE GAUGE AND COCK		
	THERMOMETER AND WELL		
	TEMPERATURE & PRESSURE TAP (PETE'S PLUG)		
	HOSE END DRAIN VALVE WITH CAP		

ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	EA	EXHAUST AIR	PAE	PROCESS ACID EXHAUST
ACC	AIR COOLED CONDENSER	EF	EXHAUST FAN	PHE	PROCESS HEAT EXHAUST
ACU	AIR CONDITIONING UNIT	ENC	ENCLOSURE	PSE	PROCESS SOLVENT EXHAUST
AD	ACCESS DOOR	ER	EXHAUST REGISTER	PP	POLY-PROPYLENE
AE	ACID EXHAUST	(E)	EXISTING	PPE	PRE PURCHASED EQUIPMENT
AFF	ABOVE FINISHED FLOOR	EXIST.	EXISTING	PRV	PRESSURE REDUCING STATION
AFMS	AIR FLOW MEASURING STATION	FBO	FURNISHED BY OWNER	PRV	PRESSURE REDUCING VALVE
AHU	AIR HANDLING UNIT	FBP	FACE AND BYPASS	PVD	PNEUMATIC VOLUME DAMPER
ATC	AUTOMATIC TEMPERATURE CONTROL	FC	FLEXIBLE CONNECTION	(R)	REMOVE
AV	AIR VENT	FCO	FLOOR CLEANOUT	RA	RETURN AIR
BA	BREATHING COMPRESSED AIR	FD-#	FLOOR DRAIN TAG	(REL.)	RELOCATED
BB	BASEBOARD	FD	FIRE DAMPER	RD	ROOF DRAIN
BDD	BACKDRAFT DAMPER	FG	FIBERGLASS	RF	RETURN FAN
BG	BLAST GATE	F & T	FLOAT AND THERMOSTATIC	RG	RETURN GRILLE
BFP	BACKFLOW PREVENTER	FO	FLAT OVAL	RHC	REHEAT COIL
BLDG	BUILDING	FRFB	FREEZE RESISTANT HOSE BIBB	RM	ROOM
BOD	BOTTOM OF DUCT	FTR	FINNED TUBE RADIATION	RPZ	REDUCED PRESSURE ZONE BFP
BOP	BOTTOM OF PIPE	FS	FLOW SWITCH	RR	RETURN REGISTER
BTU	BRITISH THERMAL UNIT	GC	GENERAL CONTRACTOR	RV	RELIEF VALVE
CBQ	COUNTER BALANCED DAMPER	GPM	GALLONS PER MINUTE	SA	SUPPLY AIR
CD	CEILING DIFFUSER	H	HUMIDIFIER	SCV	SELF CONTAINED VALVE
CFE	CAPPED FOR FUTURE	HB	HOSE BIB	SD	SMOKE DETECTOR
CFM	CUBIC FEET PER MINUTE	HRTU	HEAT RECOVERY UNIT	SF	SUPPLY FAN
CLG	CEILING	HTR	HEATER	SG	SUPPLY GRILLE
CO	CLEANOUT	H & V	HEATING AND VENTILATION	SR	SUPPLY REGISTER
CONT	CONTINUATION	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	SS	STAINLESS STEEL
COORD	COORDINATE	HW	HOT WATER	TE	TEMPERATURIZED ELEMENT (SENSOR)
CP	CONDENSATE PUMP & RECEIVER	HX	HEAT EXCHANGER	TG	TRANSFER GRILLE
CT	COOLING TOWER	IN WG	INCHES WATER GAUGE	TOD	TOP OF DUCT
CTE	CONNECT TO EXISTING	LD	LINED DUCT	TOP	TOP OF FINE
CU	COPPER	MAU	MAKE UP AIR UNIT	TTS	TIGHT TO STEEL
CUH	CABINET UNIT HEATER	MAX	MAXIMUM	TV	TURNING VANE(S)
CV	CONTROL VALVE	MBH	1000 BTU/HR.	TYP	TYPICAL
CW	COLD WATER	ME	MECHANICAL ENGINEER	UH	UNIT HEATER
CW-P	CITY WATER-PROCESS	MFR	MANUFACTURER	UC	UP IN CHASE
DC	DIRECT CONTAINED	MIN	MINIMUM	UW	UP IN WALL
DDC	DIRECT DIGITAL CONTROL	MD	MOTOR OPERATED DAMPER	UV	UNIT VENTILATOR
DIA	DIAMETER	MPV	MULTI-PURPOSE VALVE	VAV	VARIABLE AIR VOLUME BOX
DIC	DOWN IN CHASE	MTD	MOUNTED	VB	VACUUM BREAKER
DIW	DOWN IN WALL	MUA	MAKE UP AIR	VTR	VENT THRU ROOF
DN	DOWN	NPW	NON-POTABLE WATER	VD	MANUAL VOLUME DAMPER
DS	DOWNSPOUT	NTS	NOT TO SCALE	VCFF	VALVED AND CAPPED FOR FUTURE
DT	DROP AND TRANSITION	OA	OUTSIDE AIR	VFD	VARIABLE FREQUENCY DRIVE
DWG	DRAWING	OBD	OPPOSED BLADE DAMPER	VOC	VOLATILE ORGANIC COMPOUNDS
DWH	DOMESTIC WATER HEATER	OED	OPEN ENDED DUCT	W/	WITH
		P-#	PLUMBING FIXTURE TAG	WCO	WALL CLEANOUT
		PEA	ALKALI EXHAUST	WH	WALL HYDRANT
		PEH	HEAT EXHAUST		

PIPING SYSTEMS

10:1 HF	10:1 HF	HCV	HOUSE CLEAN VACUUM	PW	POTABLE WATER
AV	ACID VENT	HG	HOT GAS	R	RELIEF LINE
AD	ACID DRAIN	HPS	HIGH PRESSURE STEAM	RL	REFRIGERANT LIQUID
AD	ACID DRAIN (BELOW SLAB)	HPR	HIGH PRESSURE CONDENSATE RETURN	RS	REFRIGERANT SUCTION
BA	BREATHING AIR	HWS	HOT WATER SUPPLY	SLD	MIXED SOLVENT DRAIN
CD	CONDENSATE DRAIN	HWR	HOT WATER RETURN	SV	SOLVENT
COA	COMPRESSED DRY AIR	AD	ISOPROPYL ALCOHOL DRAIN	SP	SPRINKLER
CHWS	CHILLED WATER SUPPLY	LP	LIQUID PROPANE GAS	TWS	TEMPERED CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN	HLP	HIGH PRESSURE LIQUID PROPANE GAS	TWR	TEMPERED CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY	LPS	LOW PRESSURE STEAM	VAC	PLANT VACUUM
CWR	CONDENSER WATER RETURN	LPR	LOW PRESSURE RETURN	ZB	ZONE VALVE BOX
DB	DISTRIBUTION VALVE BOX	MA	MEDICAL AIR	TEMP	DOMESTIC HOT WATER (TEMP °F)
DIS	DEIONIZED WATER SUPPLY	MPS	MEDIUM PRESSURE STEAM	TEMP	RECIRC. DOMESTIC HOT WATER (TEMP °F)
DIR	DEIONIZED WATER RETURN	MPR	MEDIUM PRESSURE RETURN	CW	DOMESTIC COLD WATER
EKD	EXC DRAIN	MV	MEDICAL VACUUM	HW	DOMESTIC HOT WATER
ESEW	EYEWASH	N2NP	NON-PROCESS NITROGEN	RCW	RECIRCULATED DOMESTIC HOT WATER
FCS	FREE COOLING SUPPLY	N2	PROCESS NITROGEN	S, W or KW	S SANITARY, W WASTE & KW KITCHEN WASTE
FOR	FREE COOLING RETURN	NG	NATURAL GAS	S, W or KW	S SANITARY, W WASTE & KW KITCHEN WASTE (EXIST.)
FOS	FUEL OIL SUPPLY	HNG	HIGH PRESSURE NATURAL GAS	S, W or KW	S SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB)
FOR	FUEL OIL RETURN	N2O	NITROUS OXIDE	S, W or KW	S SANITARY, W WASTE & KW KITCHEN WASTE (BELOW SLAB-EXIST.)
FOV	FUEL OIL VENT	NEG. SOLV.	NEGATIVE SOLVENT DRAIN	SD	STORM DRAIN
GCR	GRAVITY STEAM CONDENSATE RETURN	NPW	NON POTABLE COLD WATER	SD	SD STORM DRAIN (EXIST.)
GLY	GLYCOL	O2	OXYGEN	SD	SD STORM DRAIN (BELOW SLAB)
GV	GAS VENT	OFA	OIL FREE COMPRESSED AIR	SD	SD STORM DRAIN (BELOW SLAB-EXIST.)
H	HYDROGEN	PCWR	PROCESS COOLING WATER RETURN	V	SANITARY VENT
H2O2	HYDROGEN PEROXIDE	PC	PUMPED STEAM CONDENSATE	V	SANITARY VENT (EXIST.)
HCR	HOT/ CHILLED WATER RETURN	PD	PUMPED DISCHARGE	V	SANITARY VENT (BELOW SLAB)
HCS	HOT/ CHILLED WATER SUPPLY	POS. SOLV.	POSITIVE SOLVENT DRAIN	V	SANITARY VENT (BELOW SLAB-EXIST.)

GENERAL NOTE
 1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL HVAC DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

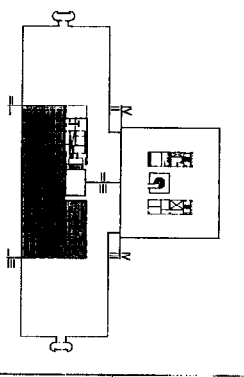
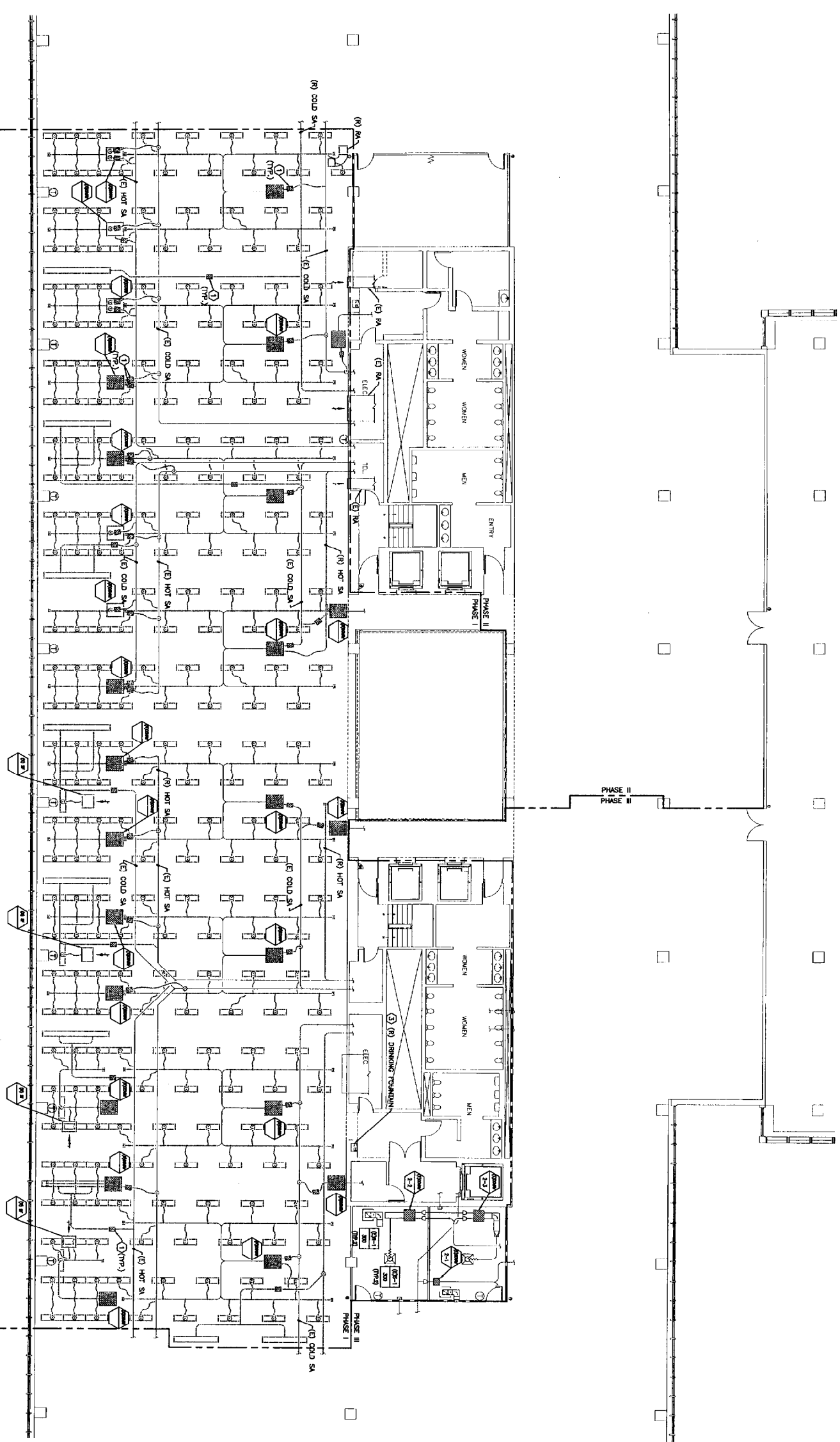
0	ISSUED FOR CONSTRUCTION	1-28-04
REV.	DESCRIPTION	DATE
ISSUED FOR CONSTRUCTION		
1-28-04		
CURRENT ISSUE STATUS:		
SMRT ARCHITECTURE ENGINEERING PLANNING 144 Fore Street, P.O. Box 618 Portland, Maine 04104 Tel. (207) 775-3846 Fax. (207) 775-1070		
UNUMPROVIDENT HO-1 2nd FLOOR OFFICE RENOVATIONS PORTLAND, ME.		
LEGEND & ABBREVIATIONS		
SHEET TITLE:		
SCALE:	NO SCALE	DATE: 1-28-04
PROJECT MANAGER:	JLH	GRAPHIC SCALE: 0"
JOB CAP/DRAWN:	CEB/CAH	
A/E OF RECORD:	LPA	SHEET No.
SMRT CAD FILE:	M-001-03100-0	M-001
PROJECT No.	03100-01	

NOTES:

1. SEE SHEET M-001 FOR LEGEND AND ABBREVIATIONS.
2. ALL EXISTING DUCT HANGERS SHALL REMAIN FOR FUTURE USE.

KEYED NOTES:

- ① WIND VALVE, REMOVE AND STORE AT UNIMPROVEDENT'S DIRECTION.
- ② EXISTING HOT DECK IS INACTIVE.
- ③ REMOVE DOMESTIC CW SUPPLY & SANITARY BRANCHES SERVING TO FOUNTAIN TO WITHIN 12' OF WANS, COP AND SOL.



F1B KEY PLAN

REV	ISSUED FOR CONSTRUCTION DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04
1	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

PROJECT MANAGER: ALH
 ARCHITECTURE ENGINEERING PLANNING
 1441 Oak Street, Suite 118
 Portland, Maine 04108
 TEL: (207) 772-2446
 FAX: (207) 772-1000

SM RT
 ARCHITECTURE ENGINEERING PLANNING
 UNIMPROVEDENT HO-1
 2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME

PHASE I DEMOLITION PLAN

SHEET TITLE:	1/8"=1'-0"	DATE:	1-28-04
PROJECT NUMBER:	ALH	GRAPHIC SCALE:	
JOB CAP/ISSUE:	CEB/CAI		
A/E OF RECORD:	JJA		
SHEET AND FILE NO:	MD101-03100-3	SHEET NO.:	MD101
PROJECT NO.:	03100-01		

A1 FLOOR PLAN

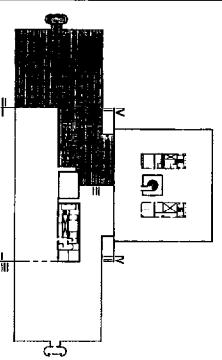
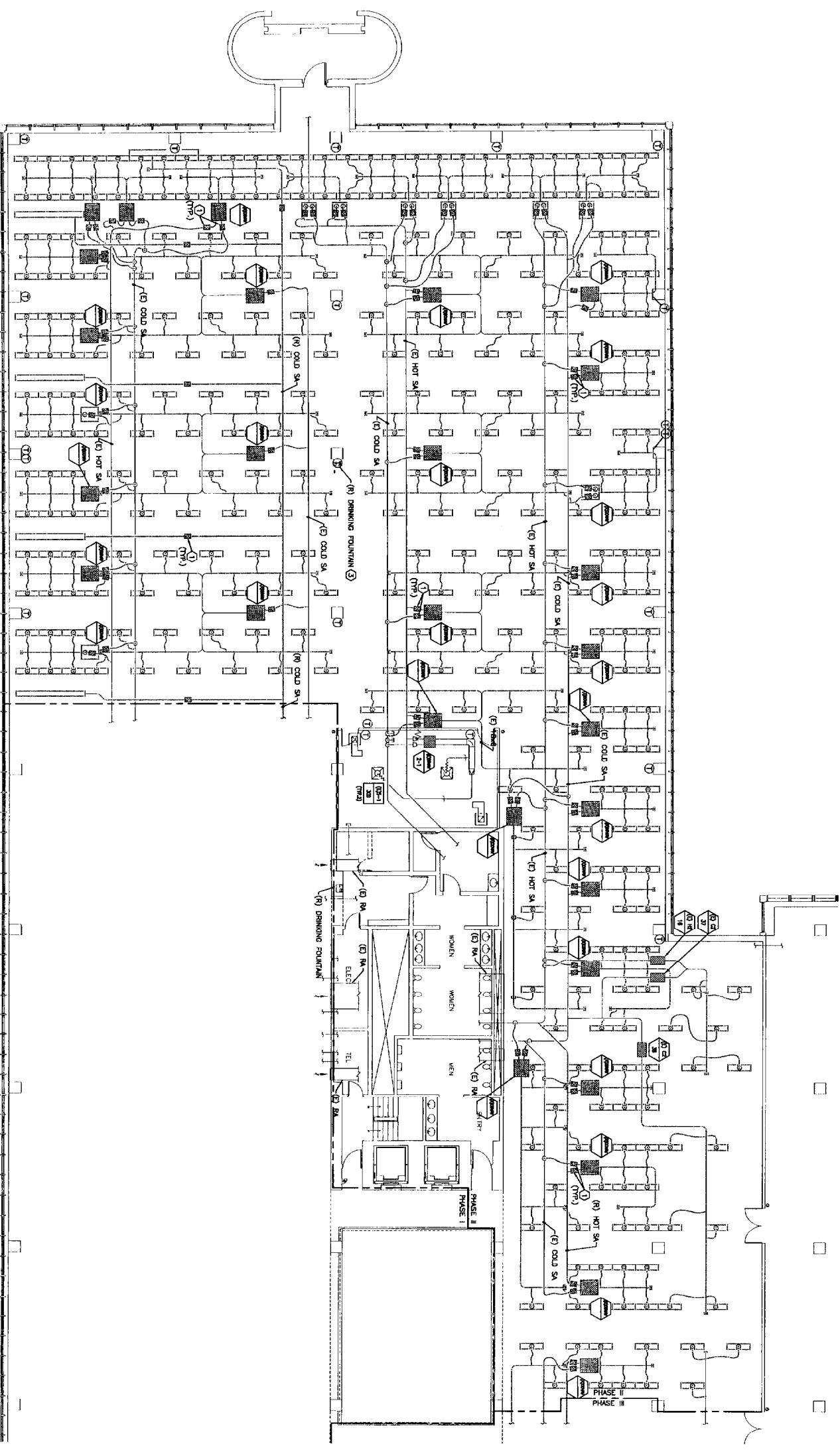
1/8"=1'-0"

NOTES:

- 1. SEE SHEET M-001 FOR LEGEND AND ABBREVIATIONS.
- 2. ALL EXISTING DUCT HANGERS SHALL REMAIN FOR FUTURE USE.

KEYED NOTES:

- ① W/DO VALVE REMOVE AND STORE AT UNIMPROVEMENTS DIRECTION.
- ② EXISTING HOT DECK IS INACTIVE.
- ③ REMOVE DOMESTIC CW SUPPLY & SANITARY BRANCHES SERVING DRINKING FOUNTAIN TO WITHIN 12" OF W/DO, COP AND SEAL.



F18 KEY PLAN

NOT TO SCALE

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS:

PROJECT ARCHITECT
SM RPT
 ARCHITECTURE ENGINEERING PLANNING
 144 First Street / 25, Box 618
 Portland, Maine 04101
 Tel: (603) 772-2300
 Fax: (603) 772-0970

UNIMPROVEMENT HO-1
2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME

PHASE II
DEMOLITION PLAN

SHEET TITLE: 1/8" = 1'-0"
DATE: 1-28-04
SCALE: GRAPHIC SCALE: 1" = 1'-0"
PROJECT MANAGER: J.H.
DESIGNER: C.B./C.M.
DATE OF RECORD: 1/24
SHEET NO.: MD102
PROJECT NO.: 03100-01

A1 FLOOR PLAN

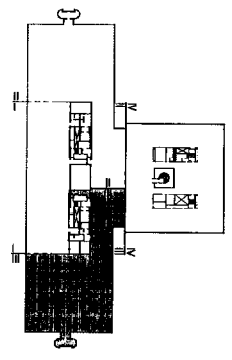
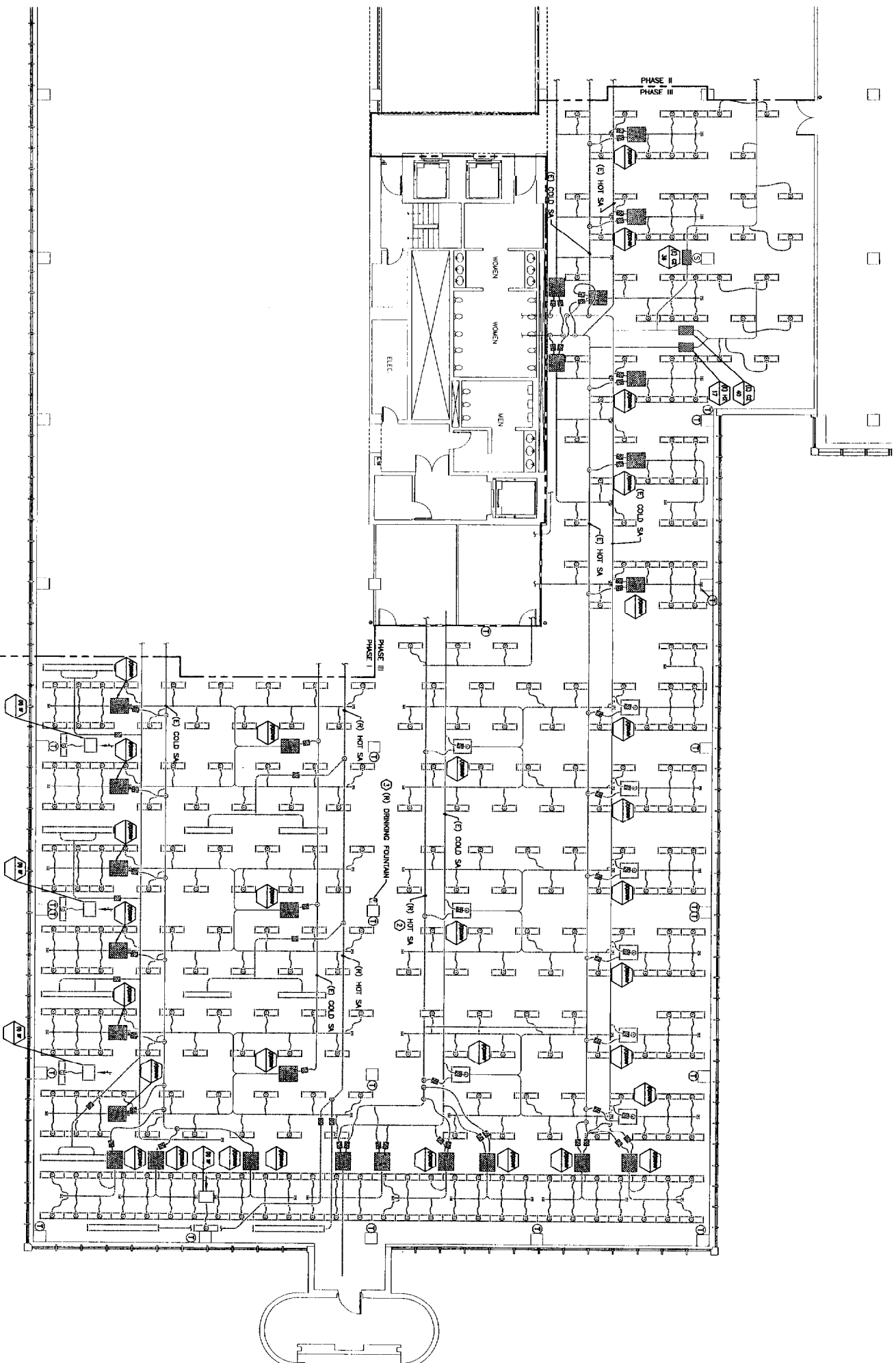
1/8" = 1'-0"

NOTES:

- 1. SEE SHEET M-001 FOR LEGEND AND ABBREVIATIONS.
- 2. ALL EXISTING DUCT HANGERS SHALL REMAIN FOR FUTURE USE.

KEYED NOTES:

- ① WIRE VALVE REMOVE AND STORE AT UNAPPROPRIATE DIRECTION.
- ② EXISTING HOT BECK IS INACTIVE.
- ③ REMOVE DOMESTIC CW SUPPLY & SANITARY BRANCHES SERVING DRINKING FOUNTAIN TO WITHIN 12" OF MAINS. CAP AND SEAL.



F18 KEY PLAN

NO. TO SCALE	
ISSUED FOR CONSTRUCTION	1-28-04
DESCRIPTION	
REV.	DATE
0	
ISSUED FOR CONSTRUCTION	
1-28-04	
CURRENT ISSUE STATUS	

PROJECT NORTH

SM RT

ARCHITECTURE ENGINEERING PLANNING

144 Fore Street, 2nd Floor
Portland, Maine 04103
Tel: (603) 775-3446
Fax: (603) 775-4577

UNAPPROPRIATE HO-1

2nd FLOOR OFFICE RENOVATIONS

PORTLAND, ME

PHASE III

DEMOLITION PLAN

SHEET TITLE	DATE	SCALE
PROJECT NUMBER	DATE	SCALE
DESIGNER/DATE	DATE	SCALE
DATE OF RECORD	DATE	SCALE
SHEET CAD FILE	DATE	SCALE
PROJECT NO.	DATE	SCALE

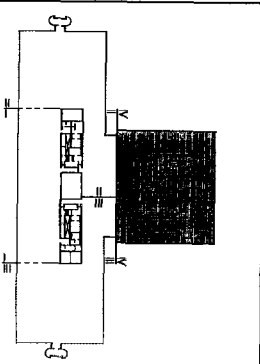
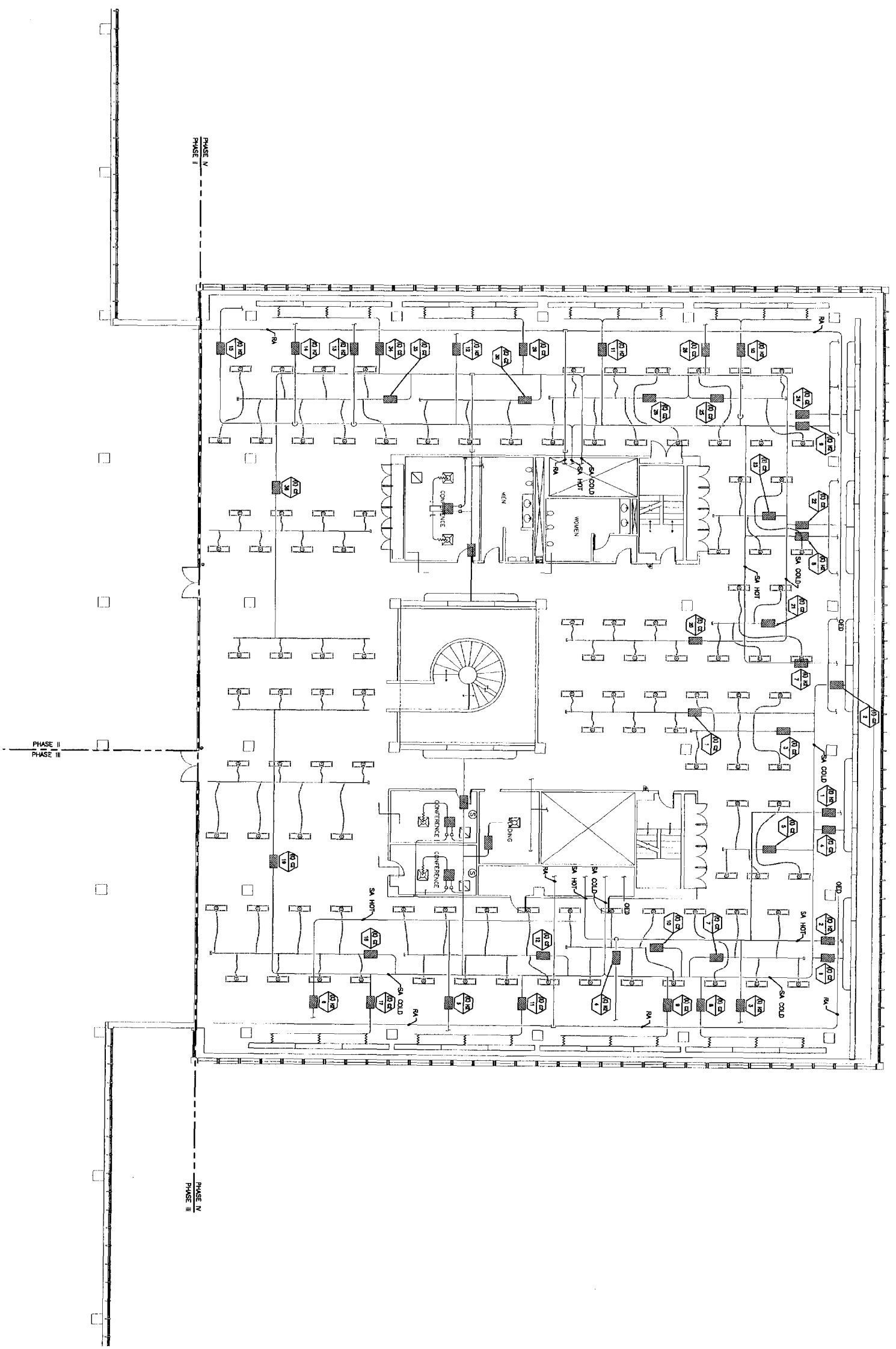
A1 FLOOR PLAN

1/8"=1'-0"

- NOTES:**
1. SEE SHEET 4-001 FOR LEGEND AND ABBREVIATIONS.
 2. ALL EXISTING DUCT HANGERS SHALL REMAIN FOR FUTURE USE.

KEYED NOTES:

- ① HATCH MARK, REMOVE AND STORE AT UNIMPROVIDENT'S DISCRETION.
- ② EXISTING HOT DECK 'S' MACHINE.

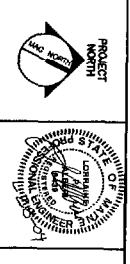


F18 KEY PLAN

NOT TO SCALE

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS



SM
RTT
 ARCHITECTURE ENGINEERING PLANNING
 144 Park Street, 12th Floor
 Portland, ME 04103
 Tel: (207) 773-3444
 Fax: (207) 773-0785

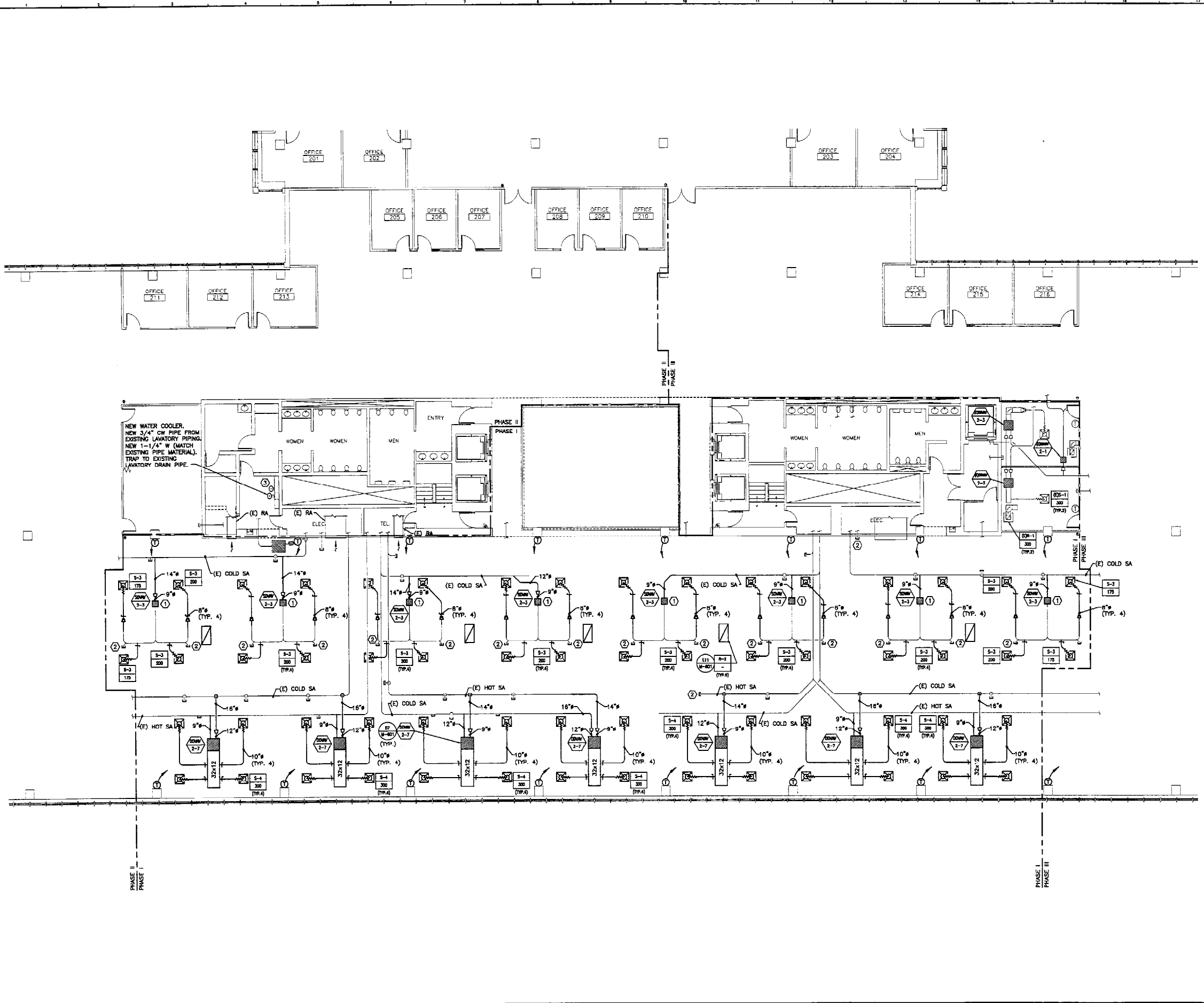
UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME

PHASE IV
DEMOLITION PLAN

SHEET TITLE	DATE
1/8"=1'-0"	1-28-04
PROJECT MANAGER	GRAPHIC SCALE
DOB OF DRAWING	1"
DATE OF RECORD	
SHEET CAD FILE	SHEET NO.
MD104-0100-01	MD104
PROJECT NO.	
03100-01	

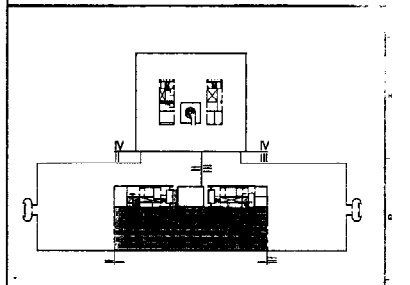
A1 FLOOR PLAN

1/8"=1'-0"



NOTES:
 1. SEE SHEET M-001 FOR LEGEND AND ABBREVIATIONS.
 2. ALL EXISTING DUCT HANGERS SHALL REMAIN FOR FUTURE USE.

KEYED NOTE:
 ① CONNECT EXISTING DUCTWORK TO NEW VAV BOX.
 ② CAP AND SEAL EXISTING DUCTWORK AIRTIGHT.
 ③ HALSEY TAYLOR OVL-11 SER-Q BI-LEVEL ADA BARRIER FREE WATER COOLER. STAINLESS STEEL FINISH.



F18 KEY PLAN
 NOT TO SCALE

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION 1-28-04

CURRENT ISSUE STATUS:

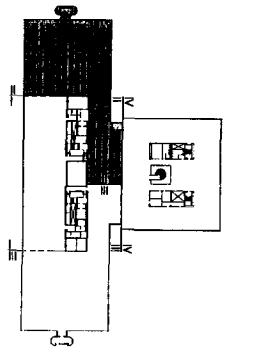
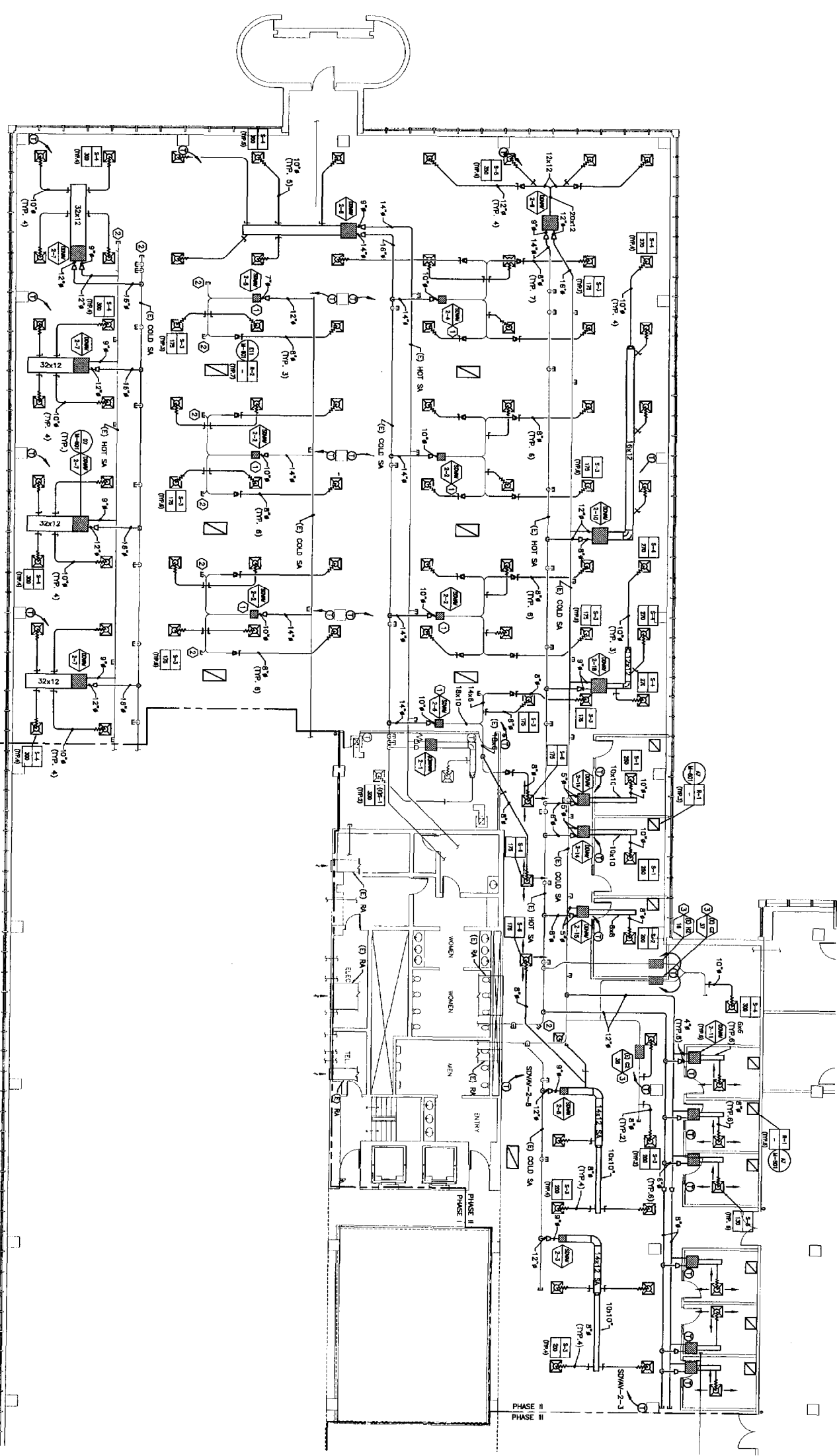
SMRT ARCHITECTURE ENGINEERING PLANNING
 SMRT
 144 Fore Street/P.O. Box 616
 Portland, Maine 04104
 Tel: (207) 772-3846
 Fax: (207) 772-1070

UNIMPROVIDENT HO-1	
2nd FLOOR OFFICE RENOVATIONS	
PROJECT: PORTLAND, ME.	
PHASE I	
HVAC PLAN	
SHEET TITLE:	
SCALE: 1/8"=1'-0"	DATE: 1-28-04
PROJECT MANAGER: JLH	GRAPHIC SCALE: 0'
JOB CAP/DRAWN: CES/CAH	
A/E OF RECORD: LPA	SHEET No.
SMRT CAD FILE: M-101-03100-01	M-101
PROJECT No. 03100-01	

A1 FLOOR PLAN
 1/8"=1'-0"

NOTES:
 1. SEE SHEET M-01 FOR LEGEND AND ABBREVIATIONS.
 2. ALL EXISTING DUCT HANGERS SHALL REMAIN FOR FUTURE USE.

KEYED NOTE:
 ① CONNECT EXISTING DUCTWORK TO NEW AWG BOX.
 ② CAP AND SEAL EXISTING DUCTWORK AIRTIGHT.
 ③ EXISTING VAV BOX TO BE REBALANCED. SEE M-601.



F18 KEY PLAN

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ISSUED FOR CONSTRUCTION	
REV. DESCRIPTION DATE	
0 ISSUED FOR CONSTRUCTION 1-28-04	
ISSUED FOR CONSTRUCTION	
1-28-04	
CURRENT ISSUE STATUS:	

PROJECT:


SM RT
 ARCHITECTURE ENGINEERING PLANNING
 144 FORD STREET, SUITE 118
 PORTLAND, ME 04101
 TEL: (603) 779-5100
 FAX: (603) 772-1888

UNUMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME

PHASE II
HVAC PLAN

PROJECT:

SHEET TITLE: HVAC PLAN

SCALE: 1/8"=1'-0" DATE: 1-28-04

PROJECT MANAGER: JAH

JOB QP/DRWNR: CEB/CAH

V/P OF RECORD: JVA

SHEET NO.: M-102

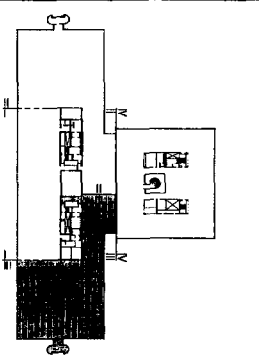
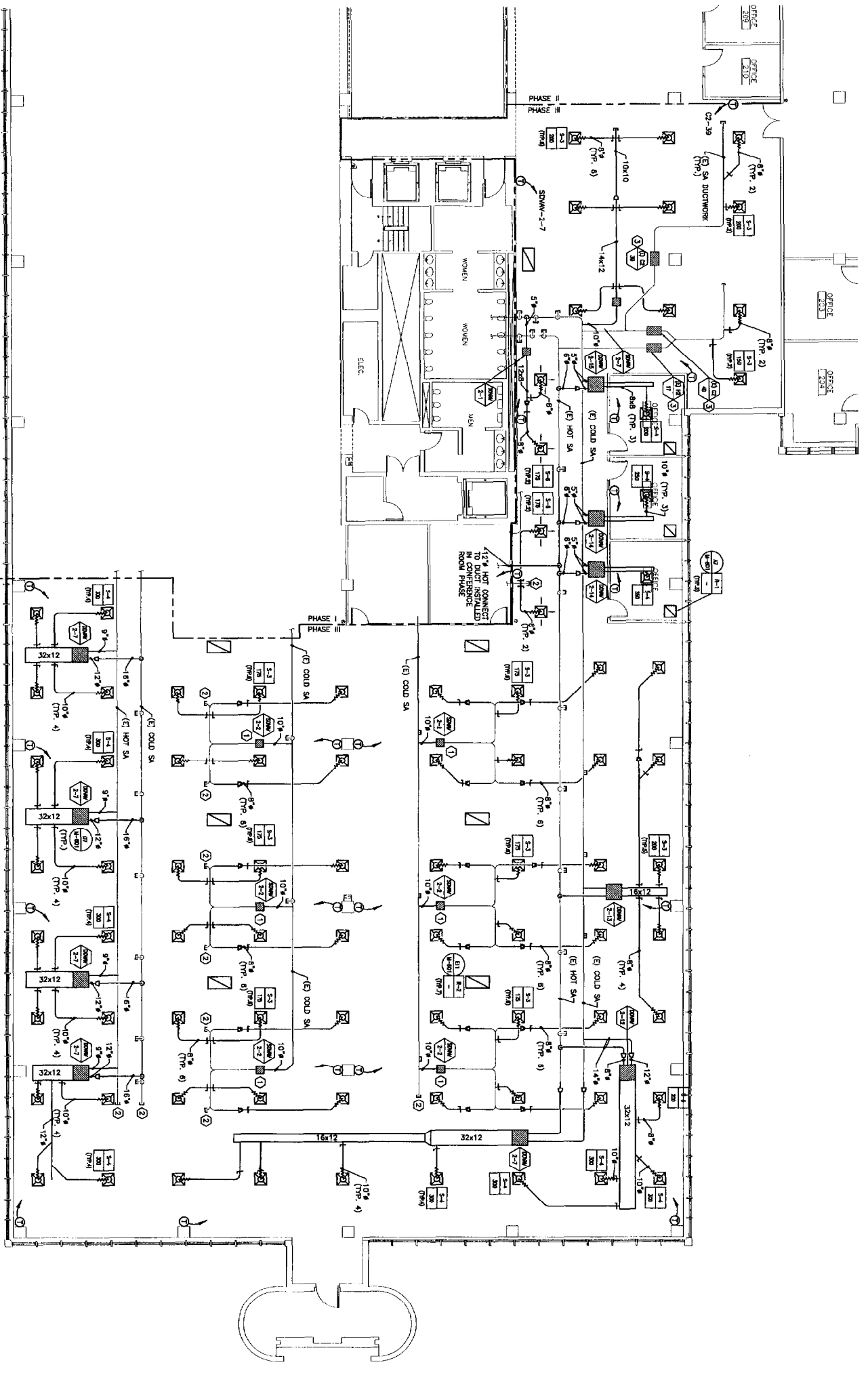
PROJECT NO.: 03100-01

A1 FLOOR PLAN

1/8"=1'-0"

- NOTES:**
1. SEE SHEET M-101 FOR LEGEND AND ABBREVIATIONS.
 2. ALL EXISTING DOOR HANGERS SHALL REMAIN FOR FUTURE USE.

- KEYED NOTE:**
- ① CONNECT EXISTING DUCTWORK TO NEW VAV BOX.
 - ② CAP AND SEAL EXISTING DUCTWORK AIRTIGHT.
 - ③ EXISTING VAV BOX TO BE REBALANCED. SEE M-101.



F18 KEY PLAN

NOT TO SCALE

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS

PROJECT: UNUMPROVIDENT HO-1
2ND FLOOR OFFICE RENOVATIONS
PORTLAND, ME

PHASE III
HVAC PLAN

SMRT
ARCHITECTURE ENGINEERING PLANNING

144 FOUNDRY STREET, 5TH FLOOR, PORTLAND, ME 04101
PHONE: (603) 772-1000
FAX: (603) 772-1001

PROJECT MANAGER: JAH
JOB CHIEF/SWMM: CEB/CAH
V.P. OF RECORDS: LJA

SHEET NO.: M-103

SHEET TITLE:	PHASE III HVAC PLAN
SCALE:	1/8"=1'-0"
DATE:	1-28-04
PROJECT MANAGER:	JAH
JOB CHIEF/SWMM:	CEB/CAH
V.P. OF RECORDS:	LJA
SHEET NO.:	M-103
PROJECT NO.:	03100-01

A1 FLOOR PLAN

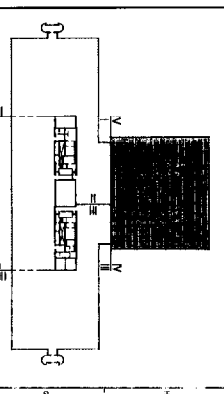
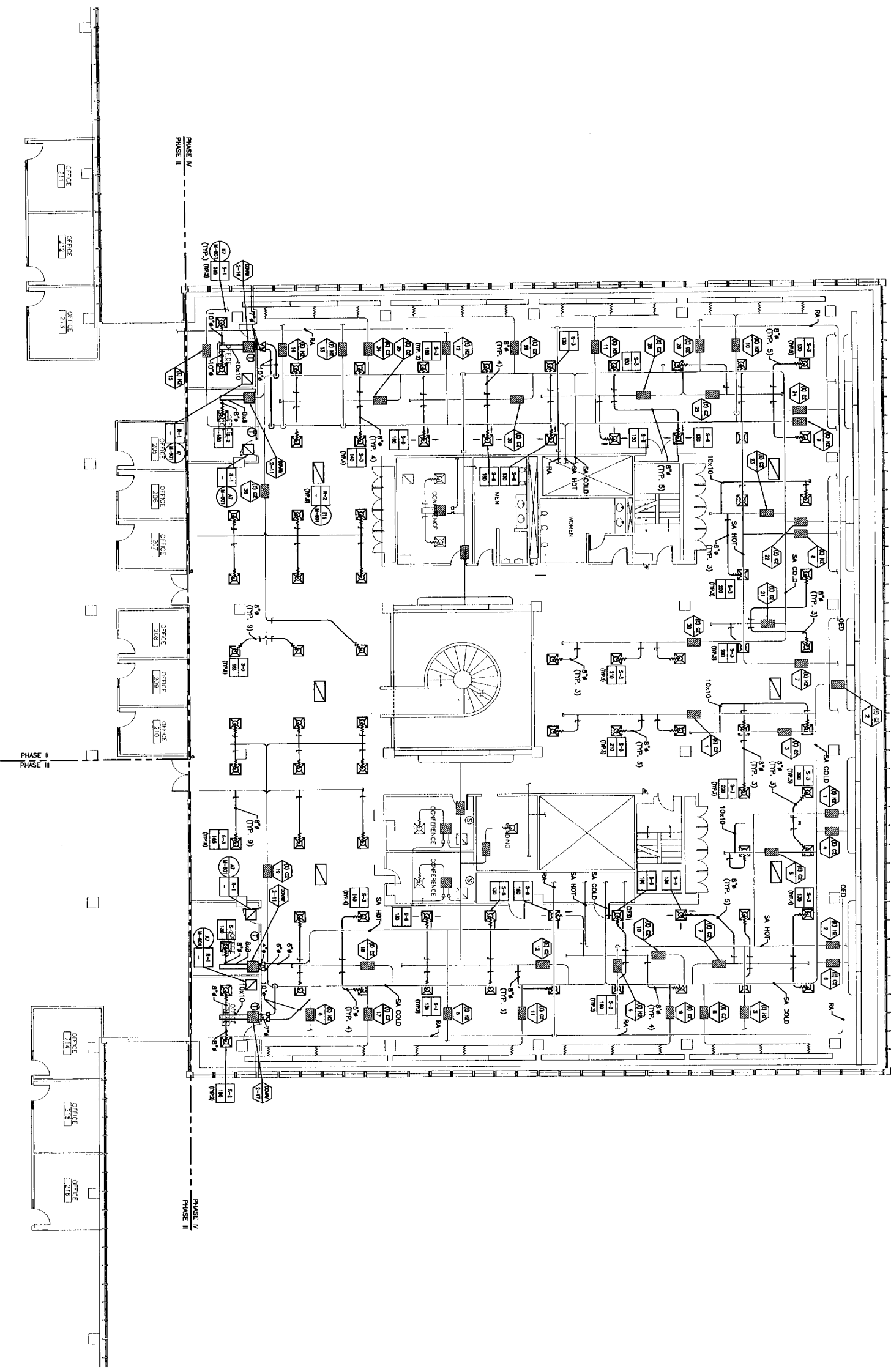
1/8"=1'-0"

NOTES:

1. SEE SHEET M-101 FOR LEGEND AND ABBREVIATIONS.
2. ALL EXISTING DUCT HANGERS SHALL REMAIN FOR FUTURE USE.

KEYED NOTE:

- ① CONNECT EXISTING DUCTWORK TO NEW VAV BOX.
- ② CAP AND SEAL EXISTING NETWORK AIRPORT.
- ③ EXISTING VAV BOX TO BE REMOVED. SEE M-101.



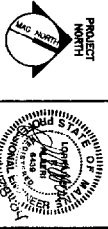
F18 KEY PLAN

NOT TO SCALE

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS:



SM RT
ARCHITECTURE ENGINEERING PLANNING
144 East Swallow Dr. Box 418
Portland, Maine 04104
Tel. (603) 772-3444
Fax. (603) 772-5000

UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

PHASE IV
HVAC PLAN

SHEET TITLE	DATE
SCALE	1-28-04
PROJECT NUMBER	UNIMPROVIDENT HO-1
DESIGNER	CBZ/CM
CHECKED BY	DA
DATE OF RECORD	
DATE OF SET	M-104-0119-3
PROJECT NO.	03100-31

A1 FLOOR PLAN

1/8"=1'-0"

SINGLE & DUAL DUCT VAV TERMINAL SCHEDULE								
TAG	INLET SIZE		COOLING CFM (MAX)	MINIMUM MIXED CFM	HEATING CFM	MAX. PRESSURE DROP THRU TERMINAL	TITUS MODEL NO.	NOTES:
	COLD	HOT						
DDAV 2-1	9"	9"	600	600	600	0.18	DEDV	①
DDAV 2-2	7"	7"	300	300	300	0.16	DEDV	①
DDAV 2-3	7"	7"	300	300	300	0.16	DEDV	①
DDAV 2-4	8"	8"	500	500	500	0.36	DEDV	①
DDAV 2-5	7"	7"	300	300	300	0.16	DEDV	①
DDAV 2-6	7"	7"	300	300	300	0.16	DEDV	①
DDAV 2-7 (TYP.)	12"	6"	1200	800	1000	0.26	DEDV	①
DDAV 2-8	14"	9"	1500	750	750	0.19	DEDV	①
DDAV 2-9	12"	9"	1400	700	700	0.36	DEDV	①
DDAV 2-10	12"	8"	1080	540	540	0.21	DEDV	①
DDAV 2-11 (TYP.)	4"	4"	130	130	130	0.25	DEDV	①
DDAV 2-12	12"	8"	1100	550	550	0.22	DEDV	①
DDAV 2-13	10"	10"	1000	500	800	0.42	DEDV	①
DDAV 2-14 (TYP.)	5"	5"	250	130	250	0.29	DEDV	①
DDAV 2-15 (TYP.)	5"	5"	200	130	200	0.19	DEDV	①
DDAV 2-16	7"	7"	480	180	480	0.41	DEDV	①
DDAV 2-17	7"	7"	360	130	360	0.23	DEDV	①
DDAV 2-18	9"	9"	810	405	810	0.32	DEDV	①
SDAV 2-1 (TYP.)	5"	-	350	175	0	0.15	DESX	①
SDAV 2-2 (TYP.)	10"	-	1050	525	0	0.14	DESX	①
SDAV 2-3 (TYP.)	9"	-	800	400	0	0.14	DESX	①
SDAV 2-4	10"	-	1225	610	0	0.19	DESX	①
SDAV 2-5	7"	-	525	270	0	0.15	DESX	①
SDAV 2-6	8"	-	700	350	0	0.16	DESX	①
SDAV 2-7	10"	-	1200	600	0	0.18	DESX	①
SDAV 2-8	9"	-	975	485	0	0.21	DESX	①

NOTES: ① PROVIDE ATTENUATOR

REGISTER, DIFFUSER & GRILLE SCHEDULE							
TAC	MAX CFM	NECK SIZE	TYPE	AP	MAX NC	TITUS MODEL NO.	NOTES
S-1	300	10"	24x24 LAY-IN	0.08"	15	TDC 12x12 A4	①
S-2	210	8"	24x24 LAY-IN	0.06"	15	TDC 12x12 A4	①
S-3	210	8"	24x24 LAY-IN	0.06"	16	TDC 18x18 A4	①
S-4	300	10"	24x24 LAY-IN	0.08"	19	TDC 18x18 A4	①
S-5	400	12"	24x24 LAY-IN	0.08"	17	TDC 18x18 A4	①
S-6	210	8"	24x24 LAY-IN	0.06"	16	TDC 18x18 B3	①
S-7	300	10"	24x24 LAY-IN	0.08"	19	TDC 18x18 B3	①
R-1	400	12x12	24x24 LAY-IN	0.037"	12	50F	①
R-2	2972	48x22	48x24 LAY-IN	0.02"	13	50F	①

NOTES: ① WHITE FINISH

EXISTING SINGLE DUCT VARIABLE VOLUME UNIT SCHEDULE ①				
EXISTING DUAL DUCT VARIABLE VOLUME UNIT	MAX. COOLING CFM	MAX. HEATING CFM	TYPICAL UNIT MFG & MODEL NO.	NOTES:
(E) VAV H2-16	-	300		
(E) VAV H2-17	-	300		
(E) C2-1	830	-		
(E) C2-3	600	-		
(E) C2-5	600	-		
(E) C2-7	650	-		
(E) C2-10	640	-		
(E) C2-12	650	-		
(E) C2-18	560	-		
(E) C2-19	1485	-		
(E) C2-20	630	-		
(E) C2-21	600	-		
(E) C2-23	600	-		
(E) C2-25	650	-		
(E) C2-28	650	-		
(E) C2-30	640	-		
(E) C2-35	560	-		
(E) C2-36	1485	-		
(E) VAV C2-37	300	-		
(E) VAV C2-38	400	-		
(E) VAV C2-39	400	-		
(E) VAV C2-40	300	-		
(E) DDVAV-2-4	500	500		
(E) DDVAV-2-5	300	300		
(E) DDVAV-2-6	300	300		

NOTES: ① REBALANCE EXISTING BOXES.

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 UNIFORM PROVISION 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.

DUCTWORK PRESSURE/SEAL CLASS:
SUPPLY DUCTWORK UPSTREAM OF DUAL DUCT VAV TERMINAL UNITS: 8 INCH/CLASS A.
SUPPLY DUCTWORK DOWNSTREAM OF DUAL DUCT VAV TERMINAL UNITS: 2 INCH/CLASS C.

INSULATE DUCTWORK WITH 1-1/2" F.G. BLANKET WITH VAPOR BARRIER JACKET EQUAL TO SCHULLER MIDDLETYPE 75, ASTM G533, WITH FSK FACING.

PROVIDE VOLUME DAMPERS AT ALL BRANCH DUCTS.

SPECIFICATIONS & NOTES: (CONT)

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. MAXIMUM LENGTH: 5 FEET.

SINGLE DUCT VAV TERMINAL UNITS
DESIGN IS BASED ON TITUS SINGLE DUCT AIR VOLUME TERMINALS. PROVIDE TERMINALS OF SIZES AND CAPACITIES SHOWN IN THE SCHEDULES.

TERMINAL CASING SHALL BE MINIMUM 22 GAUGE GALVANIZED STEEL, INTERNALLY LINED WITH FIBRE-FREE ENGINEERED POLYMER FOAM INSULATION WHICH COMPLIES TO UL 181 AND NFPA 90A. THE INSULATION SHALL BE MECHANICALLY FASTENED TO THE UNIT CASING.

PROVIDE SOUND ATTENUATOR.

PROVIDE 120 VOLT/24 VOLT CONTROL TRANSFORMER WITH EACH TERMINAL.

DUAL DUCT VAV TERMINAL UNITS
DESIGN IS BASED ON TITUS DUAL DUCT AIR VOLUME TERMINALS. PROVIDE TERMINALS OF SIZES AND CAPACITIES SHOWN IN THE SCHEDULES.

THE TERMINAL CASING SHALL BE MINIMUM 22 GAUGE GALVANIZED STEEL, INTERNALLY LINED WITH FIBRE-FREE ENGINEERED POLYMER FOAM INSULATION WHICH COMPLIES TO UL 181 AND NFPA 90A. THE INSULATION SHALL BE MECHANICALLY FASTENED TO THE UNIT CASING.

UNIT SHALL INCLUDE A MIXER-ATTENUATOR SECTION AS AN INTEGRAL PART OF THE TERMINAL MINIMIZE DOWNSTREAM STRATIFICATION.

COOLING AND HEATING INLETS SHALL HAVE SEPARATE DAMPER ASSEMBLIES FOR COMPLETE PRESSURE INDEPENDENT CONTROL OF EACH AIRSTREAM FOR VARIABLE OR CONSTANT VOLUME TOTAL DISCHARGE APPLICATIONS. TERMINALS WITH INLET DAMPERS MECHANICALLY INTERCONNECTED ARE NOT ACCEPTABLE. THE DAMPERS SHALL BE HEAVY GAUGE STEEL WITH SOLID SHAFT ROTATING IN SELF-LUBRICATING BEARINGS.

PROVIDE 120 VOLT/24 VOLT CONTROL TRANSFORMER WITH EACH TERMINAL.

AUTOMATIC TEMPERATURE CONTROLS
EXTEND THE EXISTING AND/OVER CONTROL SYSTEM TO SERVE THE RENOVATED AREA. ALL NEW CONTROLS SHALL BE ELECTRONIC/DOC.

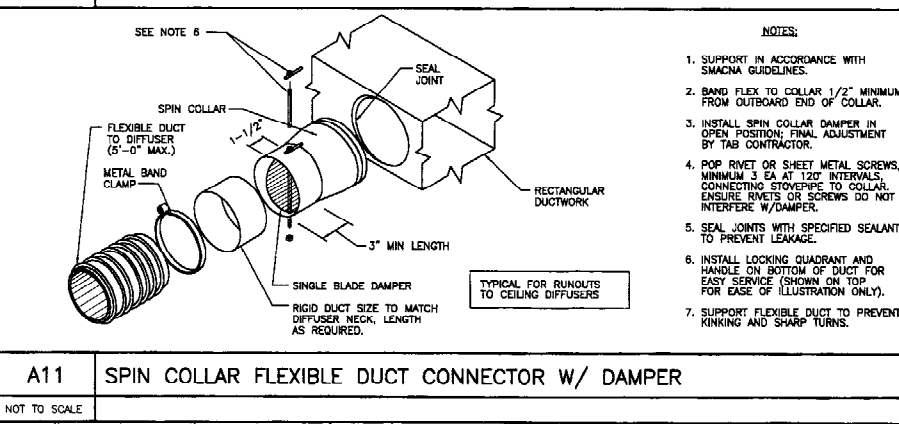
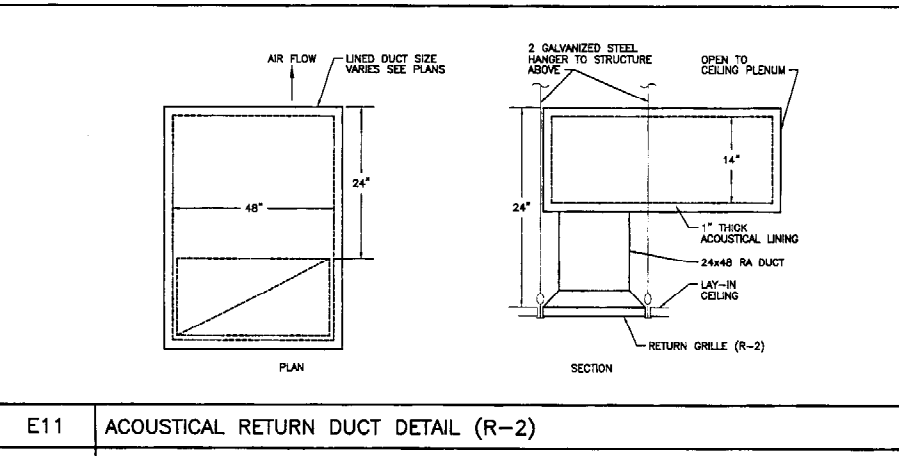
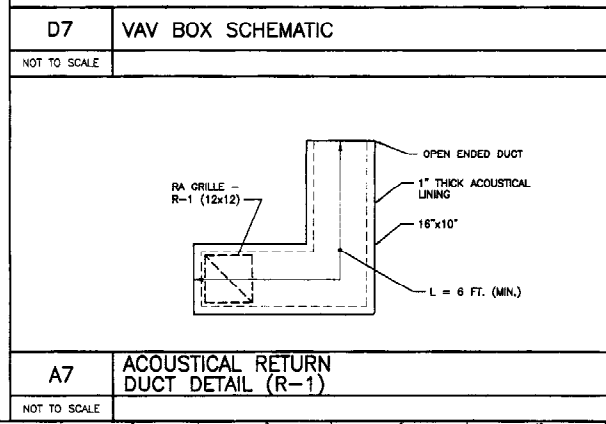
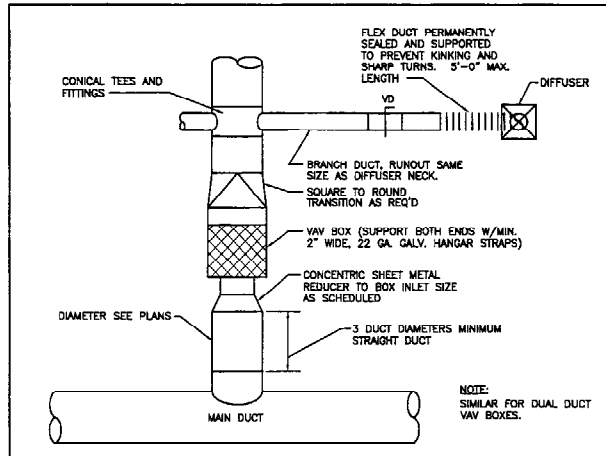
PROVIDE COMPLETE CONTROLS FOR VAV TERMINAL UNITS.

TESTING, ADJUSTING AND BALANCING (T-A-B)
TEST, ADJUST, AND BALANCE EQUIPMENT AND DISTRIBUTION SYSTEMS IN ACCORDANCE WITH NEBB OR AIAA 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.

T-A-B NEW DUAL DUCT VAV TERMINAL UNITS.

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



ISSUED FOR CONSTRUCTION
1-28-04

SMRT ARCHITECTURE ENGINEERING PLANNING
144 FIVE STARVE/F.P.O. BOX 618
PORTLAND, MAINE 04104
TEL: (207) 772-2900
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UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME.

SCHEDULES, DETAILS & SPECIFICATIONS

SHEET TITLE: M-601

SCALE: NO SCALE DATE: 1-28-04

PROJECT MANAGER: JLN GRAPHIC SCALE: 0"

JOB CAP/DRAWN: CEB/CAH

A/E OF RECORD: LPA SHEET No.

SMRT CAD FILE: M-601-03100-0

PROJECT No. 03100-01

LIGHTING

- 2x4 FLUORESCENT FIXTURE ASSOCIATED CONTROL DEVICE (FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE))
- 1x4 FLUORESCENT FIXTURE
- 2x2 FLUORESCENT FIXTURE
- FIXTURE WIRING TO UNSWITCHED NORMAL CIRCUIT
- FIXTURE WIRING TO UNSWITCHED EMERGENCY CIRCUIT
- FIXTURE WIRING TO SWITCHED EMERGENCY CIRCUIT
- DOWN LIGHT
- FLUORESCENT STRIP
- WALL MOUNTED FIXTURES
- TRACK LIGHTING
- POLE MOUNTED SITE LIGHTING FIXTURE (FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE))
- FLOOD LIGHT
- WALL WASH LIGHT FIXTURE
- EXIT SIGN, CEILING MOUNTED (ARROW INDICATES EGRESS DIRECTION, SHADING INDICATES SIGN FACE)
- EXIT SIGN, WALL MOUNTED (SHADING INDICATES SIGN FACE)
- DUAL HEAD EMERGENCY LIGHT BATTERY PACK - TIME DELAY RESET
- REMOTE EMERGENCY LIGHTING HEAD
- WALL PACK
- 3-WAY TOGGLE SWITCH
- SINGLE POLE TOGGLE SWITCH (INDICATES CONTROLLED FIXTURE)
- 4-WAY TOGGLE SWITCH
- DUAL LEVEL SWITCHING
- DIMMER SWITCH (INCANDESCENT OR FLUORESCENT AS REQUIRED)
- TOGGLE SWITCH WITH PILOT LIGHT
- TIMER SWITCH, SPRING WOUND
- SINGLE POLE DOUBLE THROW TOGGLE SWITCH, CENTER POSITION OFF
- WEATHER PROOF
- EXPLOSION PROOF
- UNSCHEDULED CONTINUATION OF BRANCH CIRCUIT
- HOME RUN
- OCCUPANCY SENSOR (S - INDICATES CONTROLLED FIXTURE, INDICATES AIMING DIRECTION)
- OCCUPANCY SENSOR RELAY
- DAYLIGHT SENSOR (LIGHTS CONTROLLED BY SENSOR)

COMMUNICATION & DATA SYSTEMS

- TELEPHONE SYSTEM WALL JACK (W-INDICATES WALL MOUNTED AT 60° AFF, P-INDICATES PAYPHONE, (2)-INDICATES 2 OUTLETS, SINGLE BOX)
- DATA SYSTEM OUTLET
- COMBINATION VOICE/DATA SYSTEM OUTLET
- UNDERFLOOR TELEPHONE SYSTEM OUTLET
- UNDERFLOOR DATA SYSTEM OUTLET
- UNDERFLOOR VOICE & DATA OUTLET
- CABLE TELEVISION SYSTEM OUTLET, MOUNT 18" AFF UNLESS OTHERWISE NOTED
- CLOSED CIRCUIT TELEVISION OUTLET, MOUNT 18" AFF UNLESS OTHERWISE NOTED
- PAGING SYSTEM CONTROL PANEL AND PAGING AMPLIFIER
- PAGING SYSTEM SPEAKER, CEILING MOUNTED
- PAGING SYSTEM SPEAKER, WALL MOUNT AT 7'-6" AFF (1. FLUSH, 2. SURFACE, 3. HORN, 4. DUAL HORN)
- VOLUME CONTROL
- INTERROOM SYSTEM HAND KEY
- CLOCK SPEAKER
- INTERROOM SYSTEM HAND SET
- WALL MOUNTED CLOCK
- CEILING MOUNTED TELEPHONE SYSTEM OUTLET
- CEILING MOUNTED DATA SYSTEM OUTLET
- CEILING MOUNTED VOICE & DATA OUTLET

POWER

- NON-FUSED SAFETY SWITCH (AMPERE RATING)
- FUSED SAFETY SWITCH (TOP NUMBER INDICATES SWITCH AMPERE RATING, LOWER NUMBER INDICATES FUSE RATING)
- NEMA ENCLOSURE
- MAGNETIC MOTOR STARTER, FVNR UNLESS INDICATED OTHERWISE
- NEMA ENCLOSURE RATING
- NEMA SIZE (TYPICAL)
- COMBINATION CIRCUIT BREAKER/MAGNETIC MOTOR STARTER (FIRST NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING, SECOND NUMBER INDICATES NEMA STARTER SIZE)
- NON-FUSED DISCONNECT/MAGNETIC MOTOR STARTER (FIRST NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING, SECOND NUMBER INDICATES NEMA STARTER SIZE)
- MANUAL MOTOR STARTER, TOGGLE OPERATED, 1, 2 OR 3 POLE AS REQUIRED, OVERLOAD PROTECTION
- MANUAL MOTOR STARTER, TOGGLE OPERATED, SINGLE PHASE, 1 OR 2 POLE AS REQUIRED (NO OVERLOAD PROTECTION)
- ENCLOSED CIRCUIT BREAKER (AMPERE RATING)
- ELECTRIC MOTOR, NUMBER INDICATES HORSEPOWER RATING
- EXPLOSION PROOF MOTOR
- VARIABLE AIR VOLUME CONTROL ACTUATORS
- LOCAL SELECTOR SWITCH (H/O/A - HAND/OFF/AUTO)
- EMERGENCY OFF BREAK GLASS STATION
- PUSHBUTTON STATION
- JUNCTION BOX
- TRANSFORMER
- POWER POLE
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- EYE CONDUIT SEAL
- DUPLEX RECEPTACLE, NEMA 5-20R (INSTALLED ON EMERGENCY CIRCUIT (TYPICAL)) (GF) DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE GFCI DUPLEX RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE ISOLATED GROUND DUPLEX RECEPTACLE, NEMA 5-20R
- SINGLE RECEPTACLE, NEMA 5-20R
- DOUBLE DUPLEX (QUAD) RECEPTACLE, NEMA 5-20R
- HOSPITAL GRADE DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R
- SWITCHED RECEPTACLE
- FLOOR OUTLET, DUPLEX RECEPTACLE, NEMA 5-20R
- POWER RECEPTACLE, 480 VOLT NEMA CONFIGURATION AS NOTED
- POWER RECEPTACLE, 240 VOLT NEMA CONFIGURATION AS NOTED
- PANELBOARD, NORMAL POWER
- PANELBOARD, EMERGENCY POWER
- MULTI OUTLET ASSEMBLY

GROUNDING

- GROUND ROD
- EXOTHERMIC WELD CONNECTION
- BOLTED CONNECTION
- BARE COPPER CONDUCTOR RUN EXPOSED
- BARE COPPER CONDUCTOR EMBEDDED IN CONCRETE OR BURIED

NURSE CALL SYSTEM

- NURSE CALL CALL LIGHT
- PATIENT CALL BUTTON
- NURSE CALL PULL CORD
- NURSE CALL MASTER STATION

LIGHT FIXTURE SCHEDULE					
TYPE	DESCRIPTION	MFR.	LAMPS	MOUNTING	NOTES
A	4" DIRECT/INDIRECT FIXTURE W/ 3" PROFILE, FIXTURES TO HAVE ROUNDED ENDCAP.	FINELITE SERIES 5 277V	1-F54T5 HO 3500K	AIR CRAFT CABLE	MOUNT 7'-9" AFF.
B	2x4 PARABOLIC TROFFER W/ SEMI-SPECULAR REFLECTOR, 24 CELL, 3" DEEP LOUVER.	COLUMBIA P424 SERIES 277V	3-F32T8 3500K	RECESSED	PROVIDE FOR DUAL LEVEL SWITCHING.
C	NOT USED				
D	6" ROUND APERTURE DOWNLIGHT W/ CLEAR ALZAK REFLECTOR.	PRESSCOLITE OFR8 SERIES 277V	2-26W QUAD TUBE	RECESSED	
E	EXIT SIGN WITH BRUSHED ALUMINUM FACE & GREEN LETTERING.	QUALITE SEMPRA SERIES	LED	CEILING OR WALL	

FIRE ALARM

- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR
- FIRE ALARM MASTER BOX
- FIRE ALARM MANUAL PULL STATION
- FIRE ALARM SPEAKER/STROBE UNIT
- FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (GENERAL EVACUATION)
- FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (LOCAL ROOM NOTIFICATION)
- FIRE ALARM VISIBLE ONLY NOTIFICATION APPLIANCE (CANDLE INTENSITY-15/75 UNLESS OTHERWISE NOTED)
- PHOTOELECTRIC SMOKE DETECTOR, CEILING MOUNTED (INDICATES AUXILIARY CONTACT)
- FIXED TEMPERATURE HEAT DETECTOR, CEILING MOUNTED.
- INDICATES EQUIPMENT INTERLOCKED WITH THE DETECTOR
- CLEAN ROOM SMOKE DETECTOR
- INDICATES EQUIPMENT INTERLOCKED WITH THE SMOKE DETECTOR
- COMBINATION RATE-OF-RISE/FIXED TEMPERATURE HEAT DETECTOR, CEILING MOUNTED
- DUCT SMOKE DETECTOR, PHOTOELECTRIC WITH AUXILIARY CONTACT.
- SPRINKLER SYSTEM FLOW SWITCH
- SPRINKLER SYSTEM TAMPER SWITCH
- FIRE ALARM SYSTEM MAGNETIC DOOR HOLDER
- INTERLOCK RELAY
- SMOKE DAMPER
- DUCT SMOKE DETECTOR REMOTE TEST INDICATOR
- KNOX BOX

SECURITY SYSTEMS

- 2-WAY CEILING MOUNTED INTERCOM SPEAKER
- CEILING MOUNTED PAGING SPEAKER
- WALL MOUNTED PAGING HORN
- CEILING OR WALL MOUNTED FIXED CAMERA
- CEILING OR WALL MOUNTED PTZ CAMERA
- PAGING CONTROL EQUIPMENT
- INTERCOM MASTER STATION
- DOOR CONTROL EQUIPMENT
- MONITORED DOOR POSITION SWITCH AND CONTROLLED DOOR HARDWARE
- MONITORED DOOR POSITION SWITCH
- STANDARD INTERCOM STATION
- VISITATION TELEPHONE
- WALL MOUNTED DURESS BUTTON
- GRAPHIC CONTROL PANEL
- TOUCH SCREEN WORKSTATION
- CCTV CONTROL OR DISPLAY EQUIPMENT
- PERIMETER CONTROL EQUIPMENT
- DURESS CONTROL EQUIPMENT
- DURESS ALARM RECEIVER
- OFFICER CONTROLLED COLLECT-ONLY PUBLIC TELEPHONE
- OFFICER CONTROLLED FIRE SPRINKLER (DELUGE) HEAD
- DUAL TECHNOLOGY VOLUMETRIC SENSOR
- LOCAL DOOR RELEASE BUTTON
- OFFICER CONTROLLED SHOWER WATER SUPPLY
- OFFICER CONTROLLED LIGHTING AND ELECTRICAL OUTLETS
- DOOR CONTACT
- CARD READER
- KEY PAD
- CLOSED CIRCUIT TELEVISION CAMERA
- ELECTRIC STRIKE

ONE LINE DIAGRAM

- MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER
- LOW VOLTAGE DRAWOUT CIRCUIT BREAKER (AF - AMP FRAME, AT - AMP TRIP, ED - ELECTRICALLY OPERATED)
- MOLDED CASE CIRCUIT BREAKER
- SHUNT TRIP (GF - GROUND FAULT, ED - ELECTRICALLY OPERATED)
- DISCONNECT, ISOLATION OR SAFETY SWITCH
- FUSED CUTOUT
- FUSED LOAD BREAK SWITCH
- MEDIUM VOLTAGE MOTOR STARTER
- MAGNETIC MOTOR STARTER, NUMERAL INDICATES NEMA SIZE (FVR - FULL VOLTAGE REVERSING, RVAT - REDUCING VOLTAGE AUTO TRANSFORMER, 2S - TWO SPEED)
- CAPACITOR
- VARIABLE FREQUENCY DRIVE
- POWER TRANSFORMER (OA - LIQUID TYPE SELF COOLED, AA - DRY TYPE SELF COOLED, FA - FAN COOLED CONNECTION)
- SHIELDED ISOLATION TRANSFORMER
- POTENTIAL TRANSFORMER (RATIO NUMBER REQUIRED)
- CURRENT TRANSFORMER (RATIO NUMBER REQUIRED)
- GROUND FAULT CURRENT TRANSFORMER
- MOTOR, NUMBER INDICATES HORSEPOWER
- GENERATOR
- ATS - AUTOMATIC TRANSFER SWITCH
- MTS - MANUAL TRANSFER SWITCH
- METER (A - AMMETER, V - VOLTMETER, W - WATTMETER, WH - WATT HOURMETER, KWH - KILOWATT HOUR, KVAR - KILOWATT REACTIVE, VAR - VAR METER, HZ - FREQUENCY METER, PF - POWER FACTOR METER)
- DIGITAL POWER METER
- METER TRANSFER SWITCH (AS - AMMETER SWITCH, VS - VOLTMETER SWITCH)
- TRANSIENT VOLTAGE SURGE SUPPRESSOR
- LIGHTNING ARRESTOR
- KEY INTERLOCK
- FUSE
- ELECTRONIC POWER FUSE
- DRAWOUT DEVICE
- GROUND

ABBREVIATIONS

- | | | | |
|-------|--|--------|------------------------------------|
| AAMP | AMPERE | LA | LIGHTNING ARRESTOR |
| AFT | ABOVE FINISHED FLOOR | LTG | LIGHTING |
| AHJ | AUTHORITY HAVING JURISDICTION | MC | METAL CLAD |
| AIC | AMPERE INTERRUPTING CAPACITY | MCB | MAIN CIRCUIT BREAKER |
| AWG | AMERICAN WIRE GAUGE | MFR | MANUFACTURER |
| BFC | BELOW FINISHED GRADE | M | MINERAL INSULATED |
| BOS | BOTTOM OF STEEL | MLO | MAIN LUG ONLY |
| C | CONDUIT, CONDUCTOR | MTD | MOUNTED |
| CATV | CABLE TELEVISION | MV | MEDIUM VOLTAGE |
| CB | CIRCUIT BREAKER | NC | NORMALLY CLOSED |
| CCIV | CLOSED CIRCUIT TELEVISION | NEC | NATIONAL ELECTRICAL CODE |
| CPT | CONTROL POWER TRANSFORMER | NEG | NEGATIVE |
| CU | COPPER | NET | NEUTRAL |
| DACT | DIGITAL ALARM COMMUNICATOR TRANSMITTER | NO | NOT IN CONTRACT |
| DB | DIRECT BURIED | NO | NORMALLY OPEN |
| DISC | DISCONNECT | NTS | NOT TO SCALE |
| DNI | DOWN | PF | POWER FACTOR |
| EAT | ELECTRICAL METALLIC TUBING | PH | PHASE |
| EWC | ELECTRIC WATER COOLER | PVC | POLYVINYL CHLORIDE |
| FACP | FIRE ALARM CONTROL PANEL FURNISHED BY OTHERS | RIS | RIGID STEEL CONDUIT |
| FU | FUSE | RSC | RIGID STEEL CONDUIT |
| FWE | FURNISHED WITH EQUIPMENT | RTD | RESISTANCE TEMPERATURE DETECTOR |
| GEN | GENERATOR | SND | SOLID NEUTRAL |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER | STP | SHIELDED TWISTED PAIR |
| GND | GROUND | STT | SHIELDED TWISTED TRIPLET |
| HP | HORSEPOWER | SWGR | SWITCHGEAR |
| HTR | HEATER | TOS | TOP OF STEEL |
| IG | ISOLATED GROUND | TRANSF | TRANSFORMER |
| IMC | INTERMEDIATE METAL CONDUIT | TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSOR |
| K | KILO | V | VOLT |
| KCMIL | THOUSAND CIRCULAR MILS | V | VOLT-AMPERE |
| KV | KILOVOLT | VA | VOLT-AMPERE REACTIVE |
| KVA | KILOVOLT-AMPERE | WM | WATT METER |
| KVAR | KILOVOLT AMPERE REACTIVE | WP | WEATHER PROOF |
| KW | KILOWATT | XFMR | TRANSFORMER |
| KWH | KILOWATT-HOUR | XP | EXPLOSION PROOF |

GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE (NEC).
- ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE PROVIDED BY DIVISION 16000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
- UNLESS OTHERWISE NOTED CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18-INCHES AFF, LIGHTING TOGGLE SWITCHES 48-INCHES AFF, DATA SYSTEM OUTLETS 18-INCHES AFF OR 8-INCHES BELOW CEILING, WHICHEVER IS LOWER, AND FIRE ALARM MANUAL PULL STATIONS 48-INCHES AFF TO TOP OF DEVICE.
- ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
- ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
- AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH EVERY FEEDER AND BRANCH CIRCUIT.
- UNLESS OTHERWISE NOTED WIRING SHALL BE 2 #12 AWG CONDUCTORS & #12 GND. HOME RUNS FED FROM 20A-1P CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG.
- FLEXIBLE CONNECTIONS TO MOTORS SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, UNLESS OTHERWISE NOTED.
- LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE 120/277 VOLT, SIDE WIRE AND PROVIDED WITH GROUNDING SCREW. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
- CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE GROUNDING TYPE NEMA 5-20R, SIDE WIRE, LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
- PROVIDE WALL PLATES FOR ALL WIRING DEVICES, NYLON SMOOTH TYPE IN FINISHED AREAS AND GALVANIZED IN UNFINISHED AREAS.
- ALL WIRING SHALL BE 800V. COPPER WITH THIN/THIN INSULATION.
- PROVIDE UPDATED TYPED PANEL SCHEDULES FOR ALL PANELBOARDS BEING MODIFIED.

F18 KEY PLAN

NOT TO SCALE

ISSUED FOR CONSTRUCTION 1-28-04

DATE: 1-28-04

SMRT ARCHITECTURE ENGINEERING PLANNING

144 Fore Street, P.O. Box 618
Portland, Maine 04104
Tel: (207) 772-3846
Fax: (207) 772-1070

UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME.

LEGEND, GENERAL NOTES & LIGHTING FIXTURE SCHEDULE

SHEET TITLE: NOT TO SCALE DATE: 1-28-04

PROJECT MANAGER: JLM GRAPHIC SCALE: 0"

JOB CAP/DRAWN: CEB/BGG

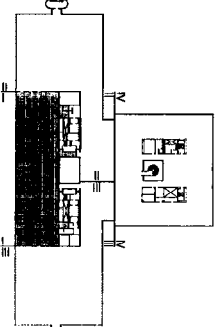
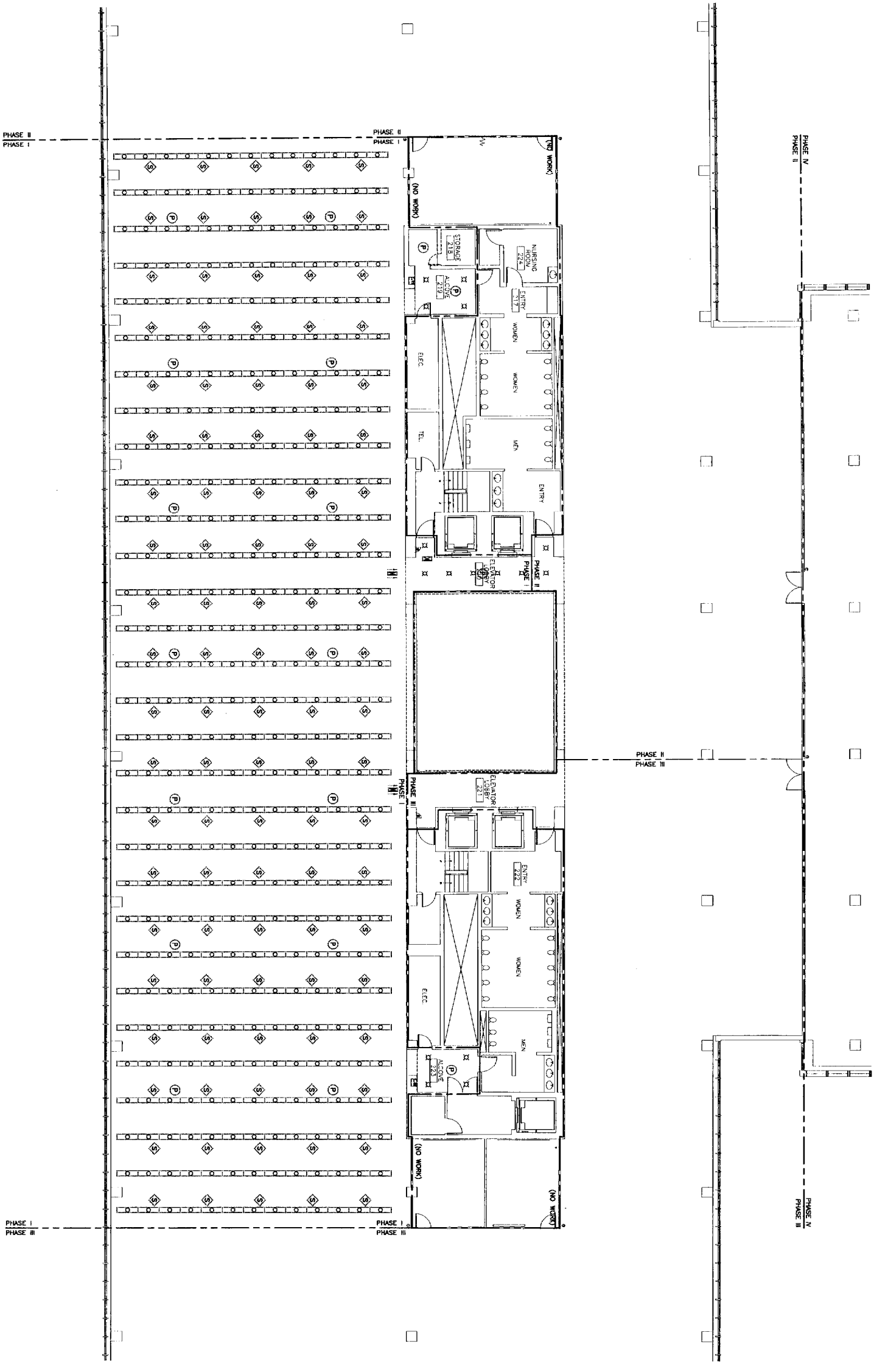
A/E OF RECORD: DJT SHEET No. _____

SMRT CAD FILE: F-001-03100-0

PROJECT No. 03100-01 **E-001**

GENERAL NOTE
1. ALL GENERAL NOTES, SYMBOL LISTS, AND 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.

- NOTES:**
1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
 2. REMOVAL OF EQUIPMENT & DEVICES TO INCLUDE REMOVAL OF ALL CONDUIT & WIRING BACK TO SOURCE UNLESS NOTED OTHERWISE.
 3. REMOVE SPEAKERS FOR WHITE NOISE SYSTEM TO ALLOW FOR NEW SYSTEM. RE-INSTALL AT LOCATIONS SHOWN ON E7101.
 4. REMOVE TRUNK RAYON CABLE FOR SOUND DETECTORS AND SOUND DETECTORS. RE-INSTALL AT LOCATIONS SHOWN ON E7101.



F18 KEY PLAN

NOT TO SCALE

ISSUED FOR CONSTRUCTION
1-29-04

DATE: 1-29-04

DESCRIPTION: ISSUED FOR CONSTRUCTION

REV: 1

CURRENT ISSUE STATUS:



SM RPT
ARCHITECTURE ENGINEERING PLANNING

144 East Street, 4th Floor, Portland, Maine 04101
Tel: (207) 775-3444
Fax: (207) 775-0725

UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

PHASE I
ELECTRICAL DEMOLITION PLAN

SHEET TITLE: ELECTRICAL DEMOLITION PLAN
SHEET NO.: ED101

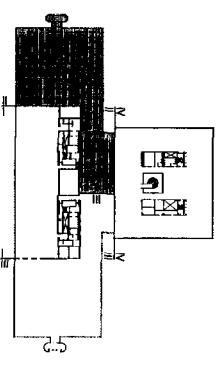
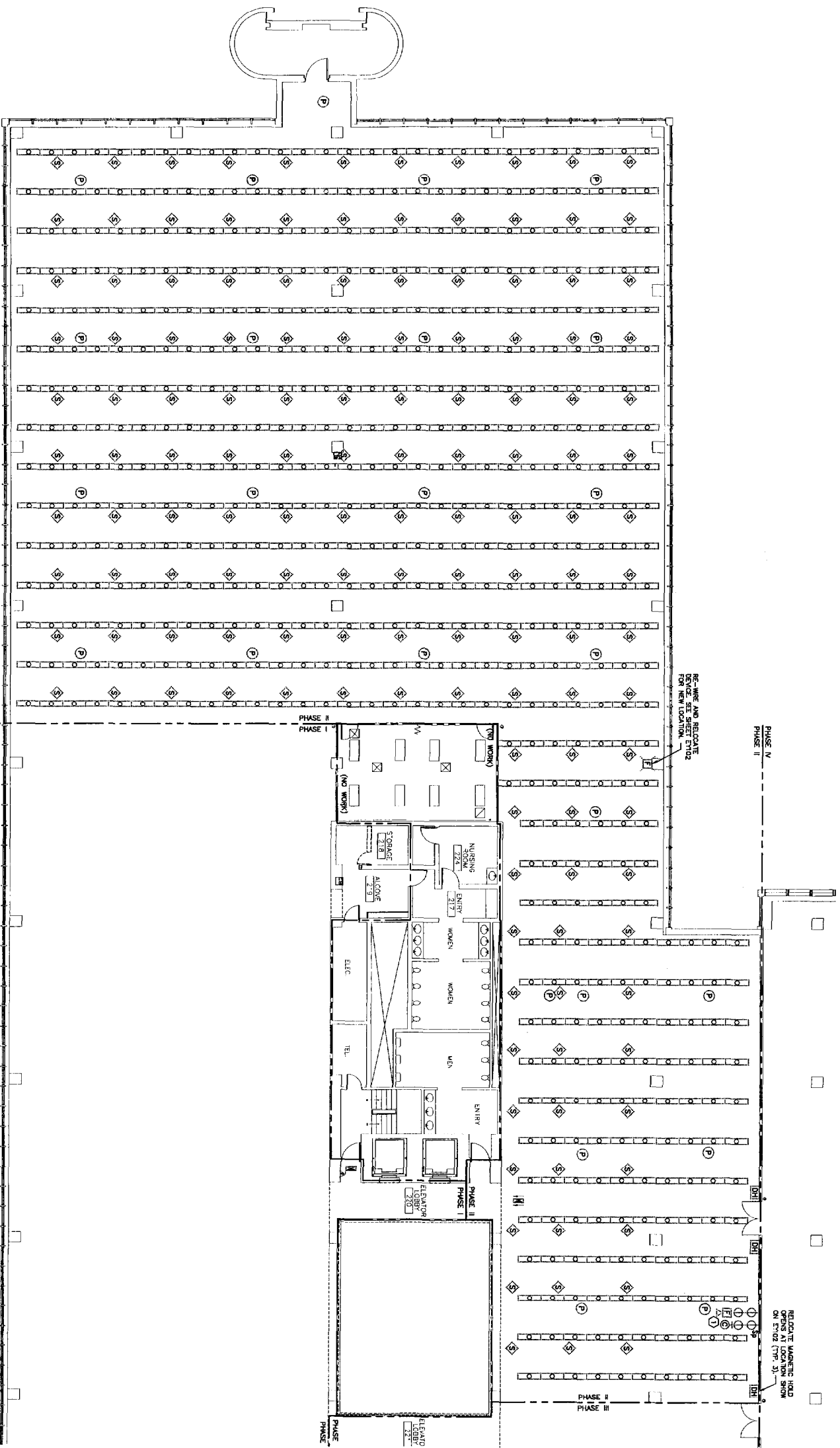
A1 REFLECTED CEILING DEMOLITION PLAN - PHASE I

1/8"=1'-0"

- NOTES:**
1. SEE SHEET E-01 FOR LEGEND AND GENERAL NOTES.
 2. REMOVE ALL EQUIPMENT & REPAIR TO INCLUDE REPAIR OF ALL CONDUIT & WIRING BACK TO SOURCE UNLESS NOTED OTHERWISE.
 3. REMOVE SPRINKLER FOR WHITE NOISE SYSTEM TO ALLOW FOR CEILING GRID REPLACEMENT. RE-INSTALL AT LOCATIONS SHOWN ON E7102.
 4. REMOVE PERMANENT RATED CABLE FOR SMOKE DETECTORS AND SMOKE DETECTORS TO ALLOW CEILING GRID REPLACEMENT. RE-INSTALL AT LOCATIONS SHOWN ON E7102.

KEYED NOTE:

① RELOCATE CLOCK AND FIRE ALARM NOTIFICATION DEVICE AT LOCATIONS SHOWN ON E7102.



F18 KEY PLAN

NOT TO SCALE	DATE	1-28-04
ISSUED FOR CONSTRUCTION	DESCRIPTION	1-28-04
0	DATE	

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS:



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ARCHITECTURE ENGINEERING PLANNING
144 High Street, 3rd Floor
Portland, Maine 04103
Tel: (603) 775-3344
Fax: (603) 775-0878

UNUMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

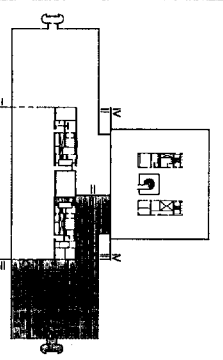
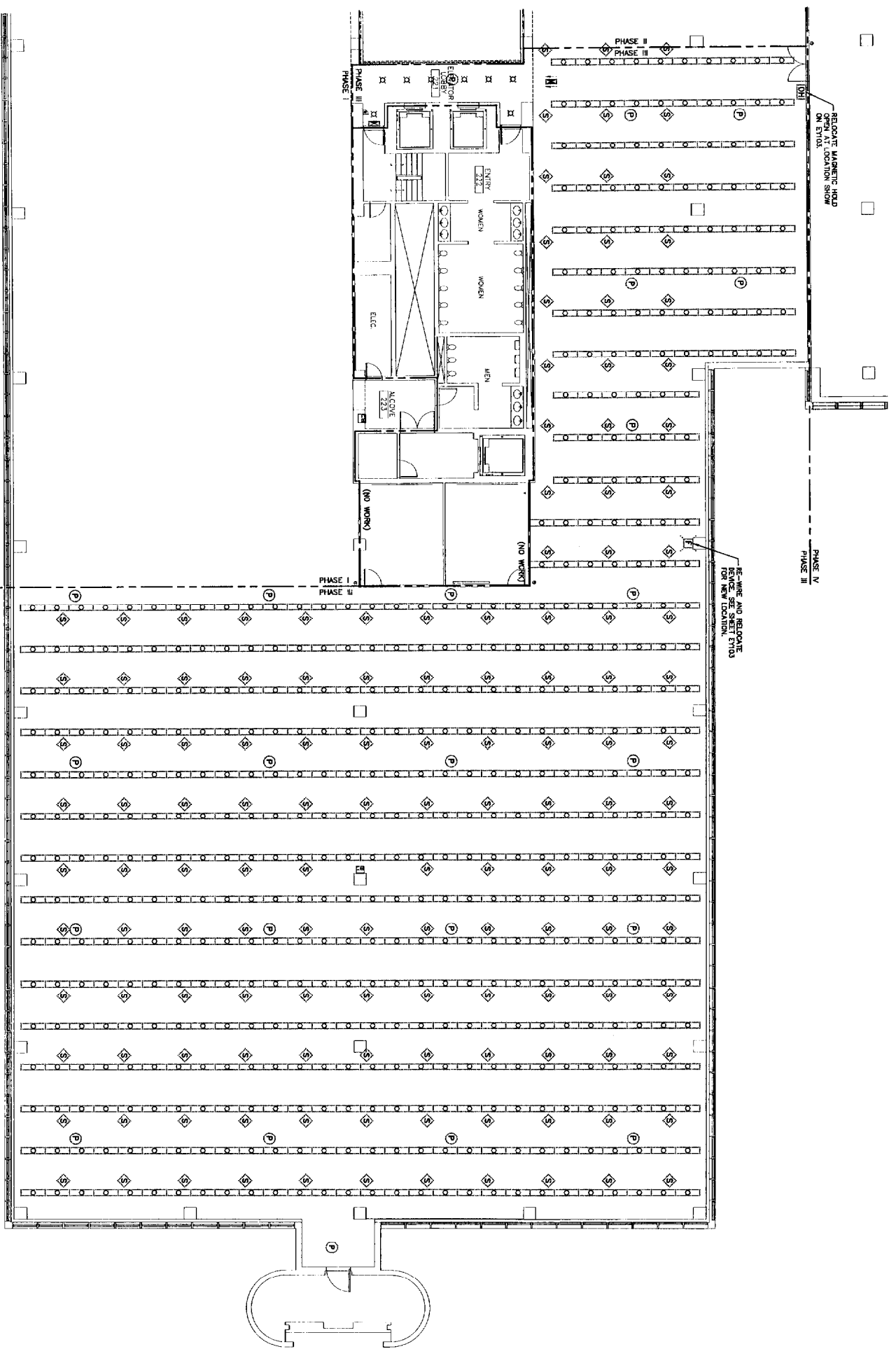
PHASE II
ELECTRICAL DEMOLITION PLAN

SHEET TITLE	DATE	1-28-04
SCALE	GRAPHIC SCALE	
PROJECT MANAGER	DATE	
LOG OF CHANGES	DATE	
DATE OF RECORD	DATE	
SMART CAD FILE	DATE	
PROJECT NO.	SHEET NO.	ED102

A1 FLOOR PLAN

1/8"=1'-0"

- NOTES:**
1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
 2. REMOVE ALL EQUIPMENT & PARTS TO INCLUDE REPAIR, OF ALL EQUIPMENT & WIRING BACK TO SOURCE UNLESS NOTED OTHERWISE.
 3. REMOVE SPEAKERS FOR WHITE NOISE SYSTEM TO ALLOW FOR CEILING GRID REPLACEMENT. RE-INSTALL X" LOCATIONS SHOWN ON E1103.
 4. REMOVE PLAIN RATED CABLE FOR SMOKE DETECTORS AND SMOKE DETECTORS TO ALLOW CEILING GRID REPLACEMENT. RE-INSTALL AT LOCATIONS SHOWN ON E1103.



F18 KEY PLAN

NOT TO SCALE

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS

REV	DESCRIPTION	DATE
0 <td>ISSUED FOR CONSTRUCTION</td> <td>1-28-04</td>	ISSUED FOR CONSTRUCTION	1-28-04

SM RPT

ARCHITECTURE ENGINEERING PLANNING

144 FIVE SPRING C. BLVD #118
PORTLAND, ME 04108
TEL: (207) 772-2844
FAX: (207) 772-1000

UNIMP/PROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

PHASE III
ELECTRICAL DEMOLITION PLAN

PROJECT:

SHEET TITLE: 1/8"=1'-0" DATE: 1-28-04

SCALE: GRAPHIC SCALE: 1"=10'-0"

PROJECT MANAGER: JAH

DATE OF RECORD: 03/17/03

SMART CAD FILE: E1103-03100-01

PROJECT NO.: 03100-01

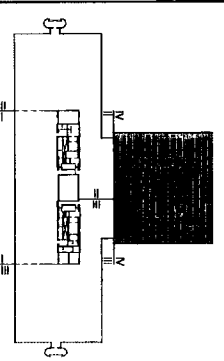
SHEET NO.: ED103

A1 FLOOR PLAN

1/8"=1'-0"

- NOTES:**
- SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
 - REMOVAL OF EQUIPMENT & DEBRIS TO BE DONE BEFORE OR AT THE SAME TIME AS THE MAIN WORK TO SAVE SPACE, UNLESS NOTED OTHERWISE.
 - REMOVE PLUMB SATED GREE FOR SMOKE DETECTORS AND SMOKE DETECTORS TO ALLOW CEILING GRID REPLACEMENT. RE-INSTALL AT LOCATIONS SHOWN ON EY104.

KEYED NOTE:
 ① RELOCATE SMOGS AND FIRE ALARM NOTIFICATION DEVICES AT LOCATIONS SHOWN ON EY104.



F18 KEY PLAN

NOT TO SCALE

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04
	DESCRIPTION	

ISSUED FOR CONSTRUCTION
 1-28-04

CURRENT ISSUE STATUS

PROJECT NORTH

ARCHITECTURAL ENGINEERING PLANNING

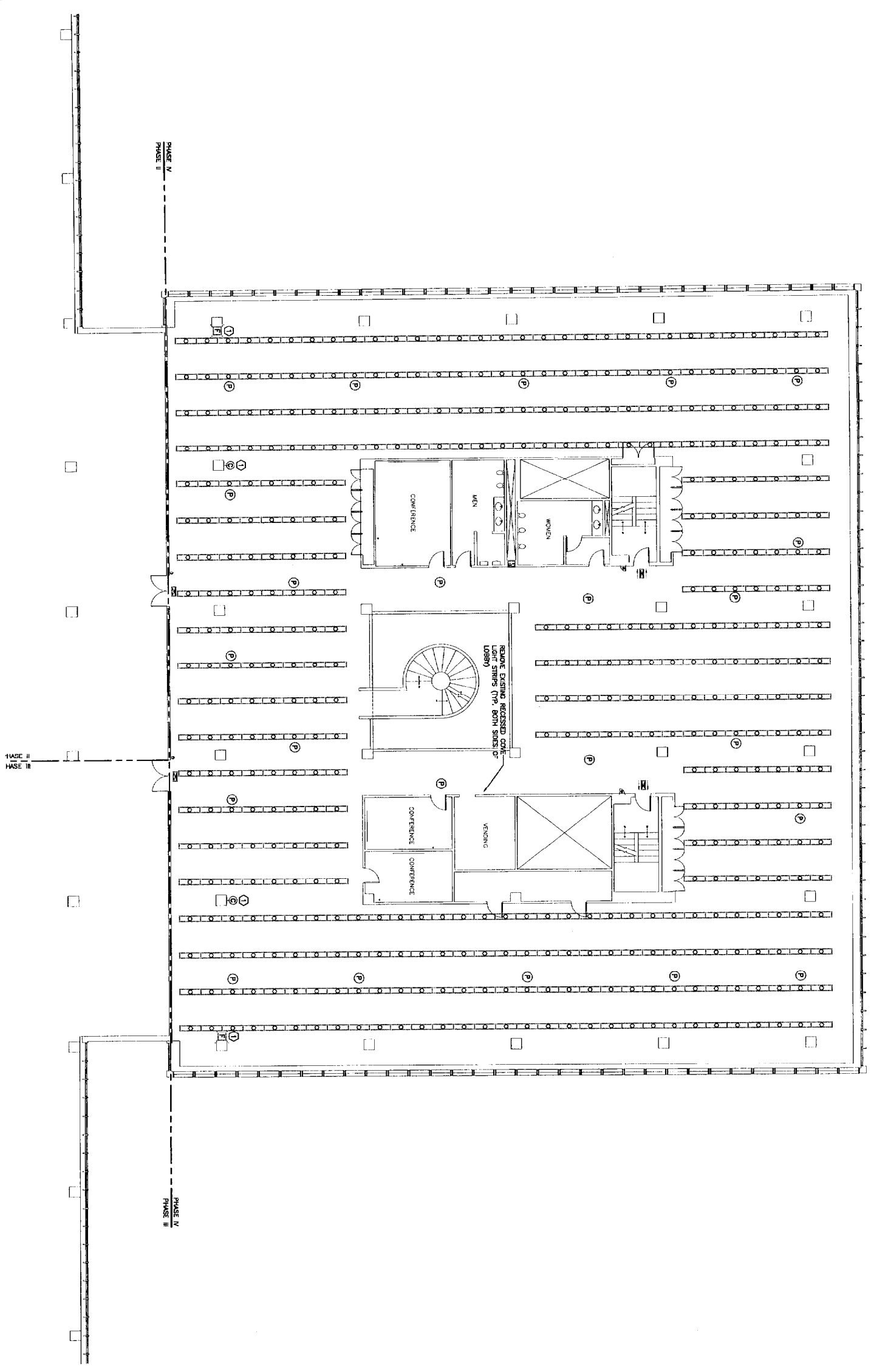
SM RT

144 Four Seasons Pl., Suite 418
 Fort Lauderdale, FL 33304
 Tel: (954) 775-3446
 Fax: (954) 775-0188

UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
 FORT LAUDERDALE, FL

PROJECT: PHASE IV
 ELECTRICAL DEMOLITION PLAN

SHEET TITLE:	DATE:	SCALE:
ELECTRICAL DEMOLITION PLAN	1-28-04	1/8" = 1'-0"
PROJECT MANAGER:	DATE:	ISSUING SCALE:
CEB/290	JULI	1"
JOB CHG/DESIGNER:	DATE:	
CEB/290	JULI	
A/E OF RECORD:	DATE:	
JULI	JULI	
SHEET AND FILE NO.:	PROJECT NO.:	
ED104	03100-01	

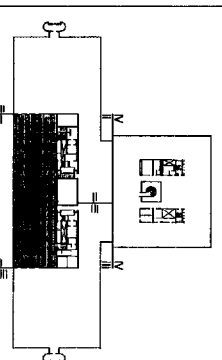
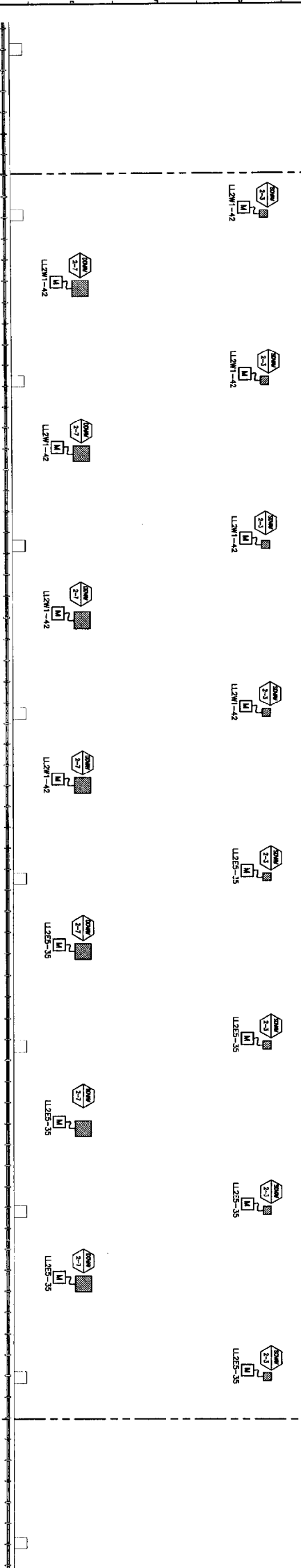
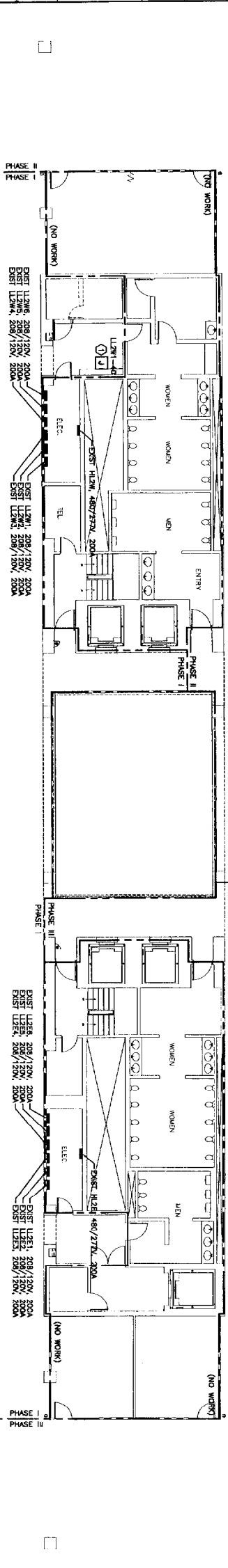
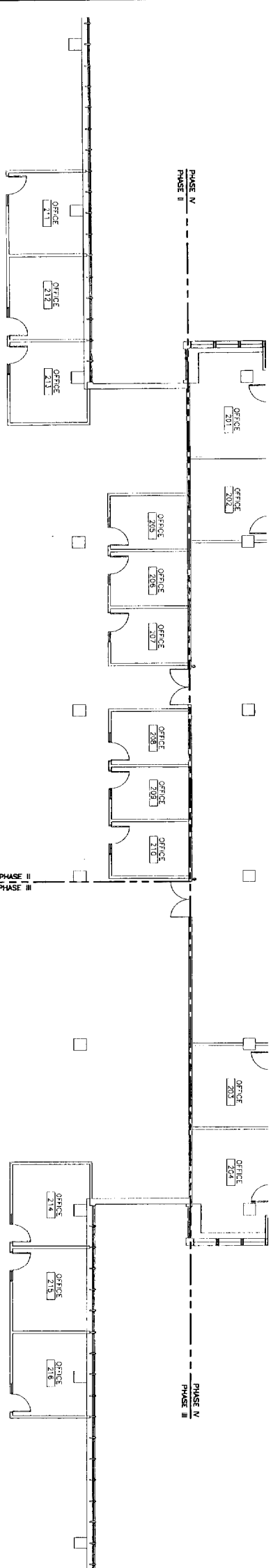


A1 FLOOR PLAN

1/8" = 1'-0"

NOTE:
1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTE:
① PROVIDE POWER FOR ELECTRIC WATER COOLER COMPARTMENT WITH POWER TERMINATION FOR EACH LOCATION OF ELECTRICAL CONNECTION.



F18 KEY PLAN
NOT TO SCALE

ISSUED FOR CONSTRUCTION
1-28-04
DATE

SM RT
ARCHITECTURE ENGINEERING PLANNING
144 Free Street, 2nd Floor
Portland, Maine 04101
Tel: (207) 773-3846
Fax: (207) 773-0900

UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

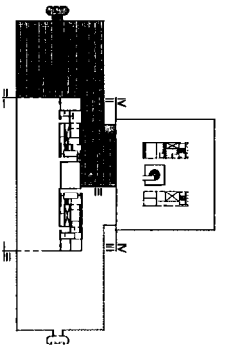
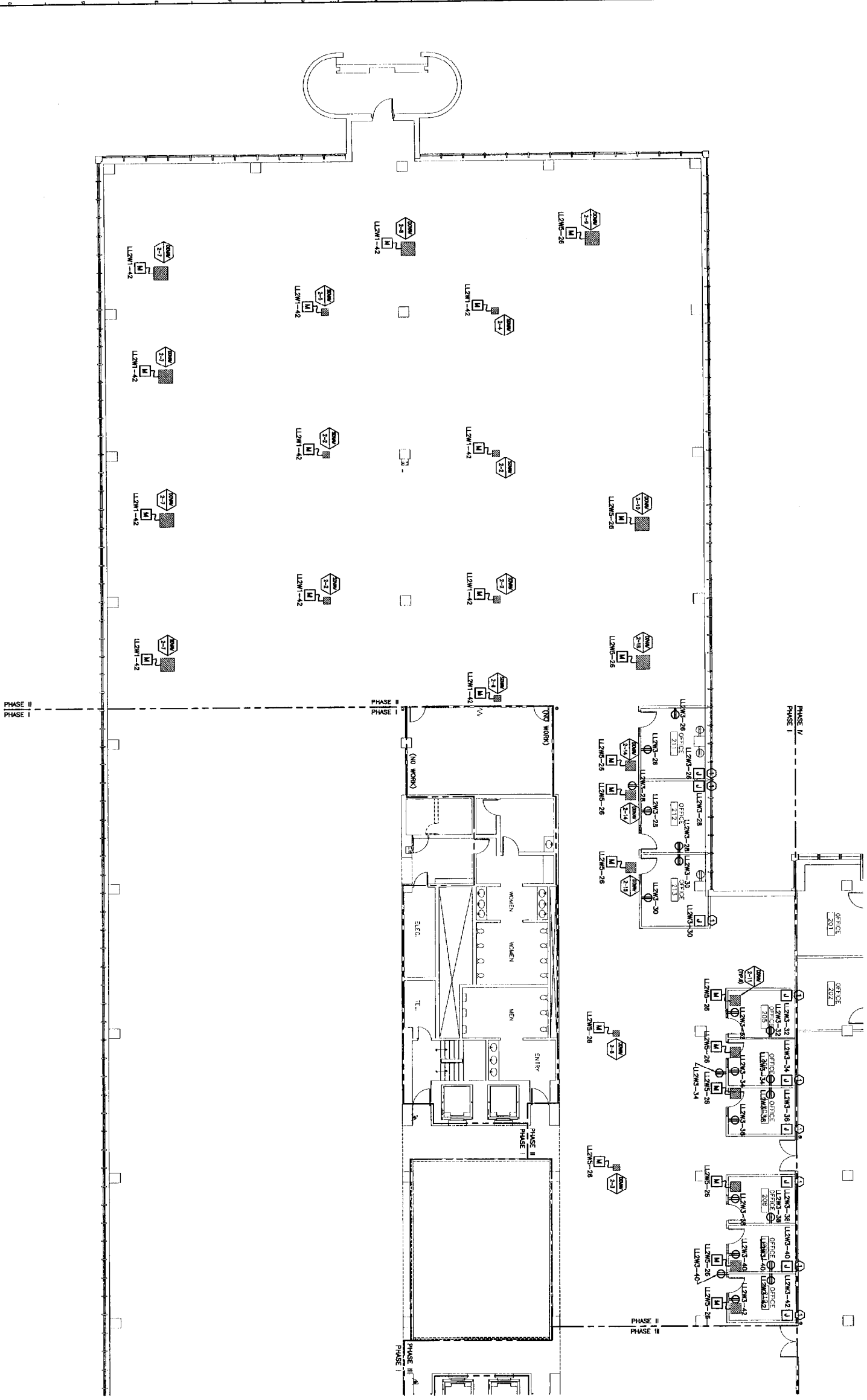
PHASE I POWER PLAN
SHEET TITLE: 1-28-04
SCALE: 1/8"=1'-0"
PROJECT MANAGER: JSA
JOB NO./DRAWING: 028/230
DATE OF RECORD: 01
SHEET NO.: EP101
PROJECT NO.: 03100-01

A1 FLOOR PLAN

1/8"=1'-0"

NOTE:
 1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
 2. SEE SHEET E-010 FOR LOCATION OF PANELBOARDS L2M1, L2M5 & L2M6.

KEYED NOTE:
 PROVIDE DOUBLE GANG BOX AND WHP FOR MODULAR FURNITURE FEED. WIRING TO BE 2 #12 AWG #12 GND.



F18 KEY PLAN

NOT TO SCALE

REV.	ISSUED FOR CONSTRUCTION DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

PROJECT NORTH

SM RT
 ARCHITECTURE ENGINEERING PLANNING

144 First Street, 20, 3rd Fl
 Portland, Maine 04104
 TEL: (207) 775-3146
 FAX: (207) 775-0800

PROJECT NO. 03100-01

UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME

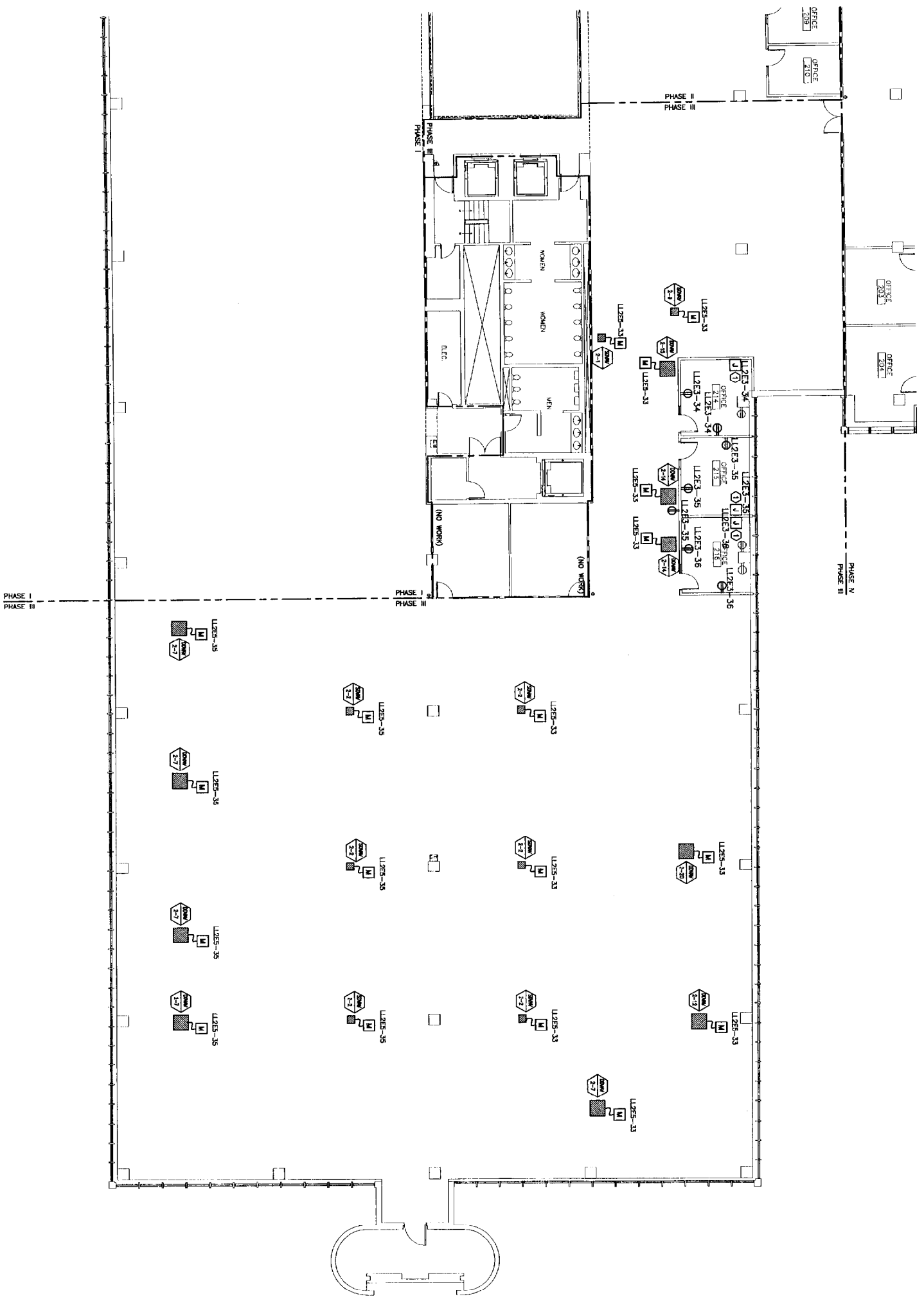
PHASE II
POWER PLAN

SHEET TITLE	PHASE II POWER PLAN
SCALE	1/8"=1'-0"
DATE	1-28-04
PROJECT MANAGER	J.H.
JOB CH/DESIGN	CEB/BSZ
DATE OF RECORD	DIT
SHEET C/D FILE	EP102-03100-03
SHEET NO.	EP102
PROJECT NO.	03100-01

A1 FLOOR PLAN

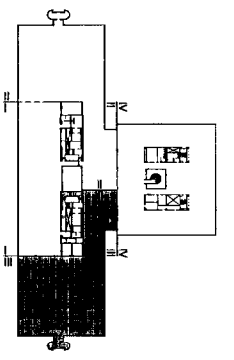
1/8"=1'-0"

NOTE:
 1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
 2. SEE SHEET EP101 FOR LOCATION OF PANELBOARDS L2E3 & L2E5.



A1 FLOOR PLAN

<p>PROJECT UNIMP/ROVIDENT HO-1 2nd FLOOR OFFICE RENOVATIONS PORTLAND, ME</p>		<p>ARCHITECTURE ENGINEERING PLANNING SM RT 144 FOW STREET, 7th FLOOR PORTLAND, ME 04101 TEL: (207) 725-3844 FAX: (207) 725-3848</p>	
<p>PROJECT NUMBER 03110 DATE 03/10/01</p>		<p>PROJECT MANAGER JLI DATE 03/10/01</p>	
<p>PROJECT TITLE PHASE III POWER PLAN</p>		<p>SCALE 1/8" = 1'-0" GRAPHIC SCALE 1" = 10'</p>	
<p>DATE OF RECORD 03/10/01</p>		<p>SHEET NO. EP103</p>	
<p>PROJECT NO. 03110-01</p>		<p>DATE 03/10/01</p>	



F18 KEY PLAN

NOT TO SCALE

0	SOLID FOR CONSTRUCTION	1-28-04
1	DESCRIPTION	DATE

ISSUED FOR CONSTRUCTION
 1-28-04

CURRENT ISSUE STATUS:

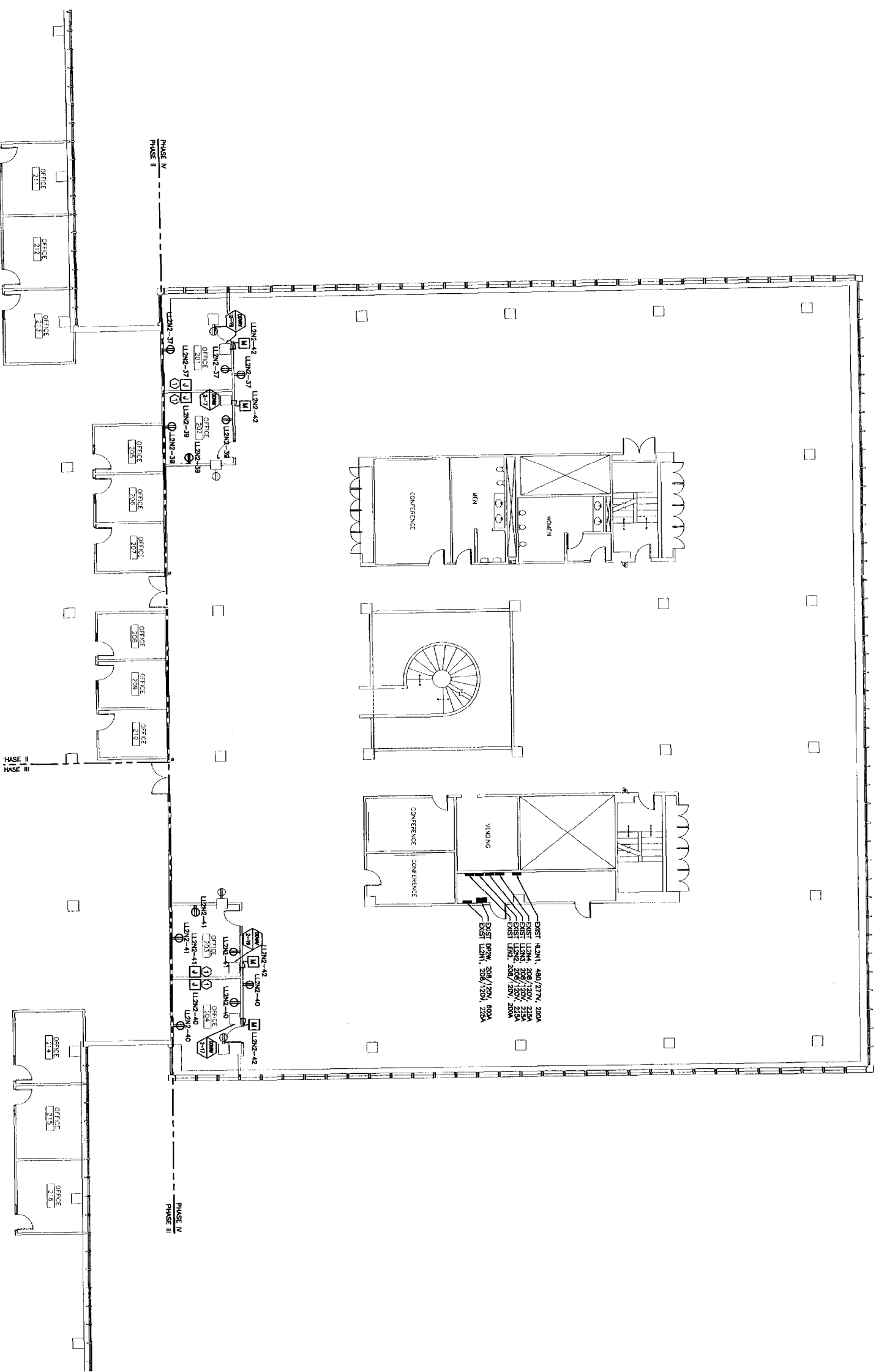


PROJECT
 UNIMP/ROVIDENT HO-1
 2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME

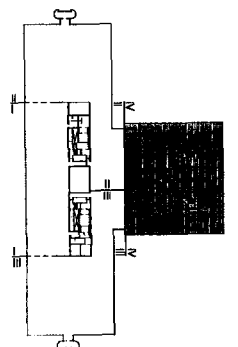
ARCHITECTURE ENGINEERING PLANNING
SM RT
 144 FOW STREET, 7th FLOOR
 PORTLAND, ME 04101
 TEL: (207) 725-3844
 FAX: (207) 725-3848

NOTE:
1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTE:
① PROVIDE DOUBLE GUNN BOX AND WHP FOR MODULAR FURNITURE FEEDS. WARNING TO BE 2 #12 AMS & #12 GND.



A1 FLOOR PLAN



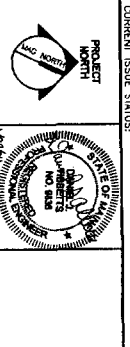
F18 KEY PLAN

NOT TO SCALE

NO.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS:



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ARCHITECTURE ENGINEERING PLANNING
144 Fox Street, 6th Fl
Portland, Maine 04103
Tel: (603) 772-3348
Fax: (603) 772-3348

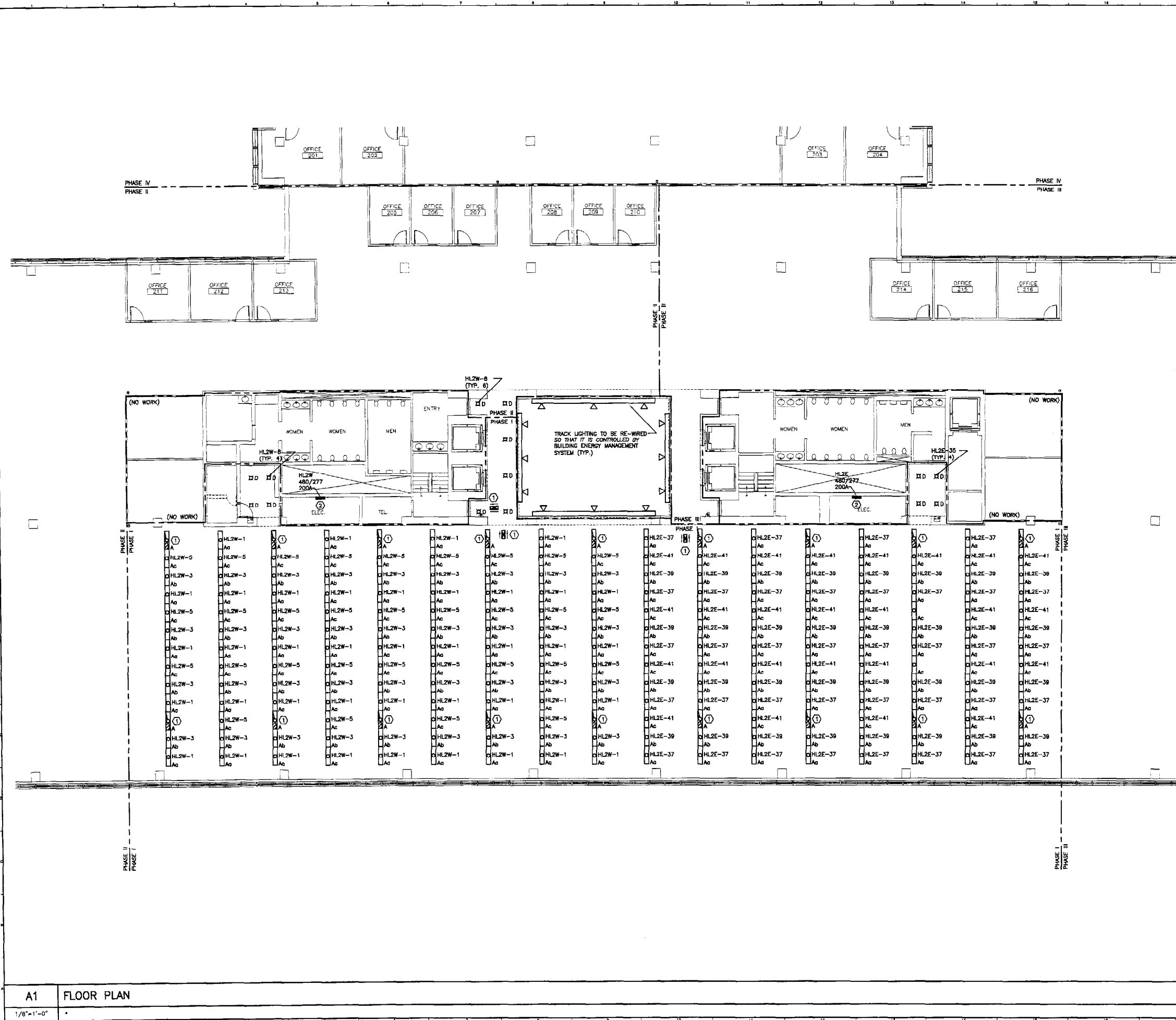
UNUMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

PROJECT:

PHASE IV
POWER PLAN

SHEET TITLE: 1-28-04
SCALE: 1/8"=1'-0"
PROJECT MANAGER: JUL
JOB CAP/DRAWN: CEJ/SJS
DATE OF RECORD: JUL
SMART CAD FILE: EPI04-0100-01
PROJECT No.: 03100-01

SHEET No.: **EP104**

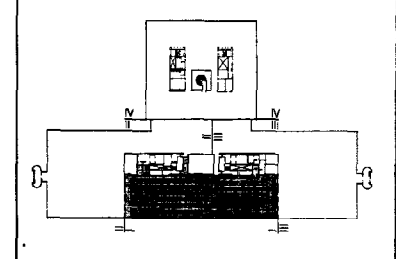


NOTES:

- SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
- LIGHTS IN OPEN OFFICE TO BE CONTROLLED (SWITCHED) BY ANDOVER CONTROL SYSTEM. EACH BRANCH CIRCUIT TO BE CONTROLLED AS A SEPARATE ZONE AND BE WIRED SO THAT EVERY THIRD 4' SECTION TO SWITCH SEPARATELY TO ALLOW FOR THREE DIFFERENT LIGHT LEVELS.

KEYED NOTE:

- RE-USE EXISTING EMERGENCY LIGHTING BRANCH IN OPEN OFFICE AREA TO FEED NEW EMERGENCY LIGHTS AND EXIT SIGNS SHOWN. NO EMERGENCY LIGHTING BRANCH CIRCUIT SHALL FEED MORE THAN FIFTY LIGHTS. FIELD VERIFY CIRCUIT NUMBER USED AND INDICATE ON RECORD DRAWINGS.
- USE 20 AMP. SINGLE POLE SPARE CIRCUIT BREAKERS IN EXISTING SQUARE D PANELBOARD TO FEED NEW LIGHTING AS INDICATED.



F18 KEY PLAN
NOT TO SCALE

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04
ISSUED FOR CONSTRUCTION		
1-28-04		

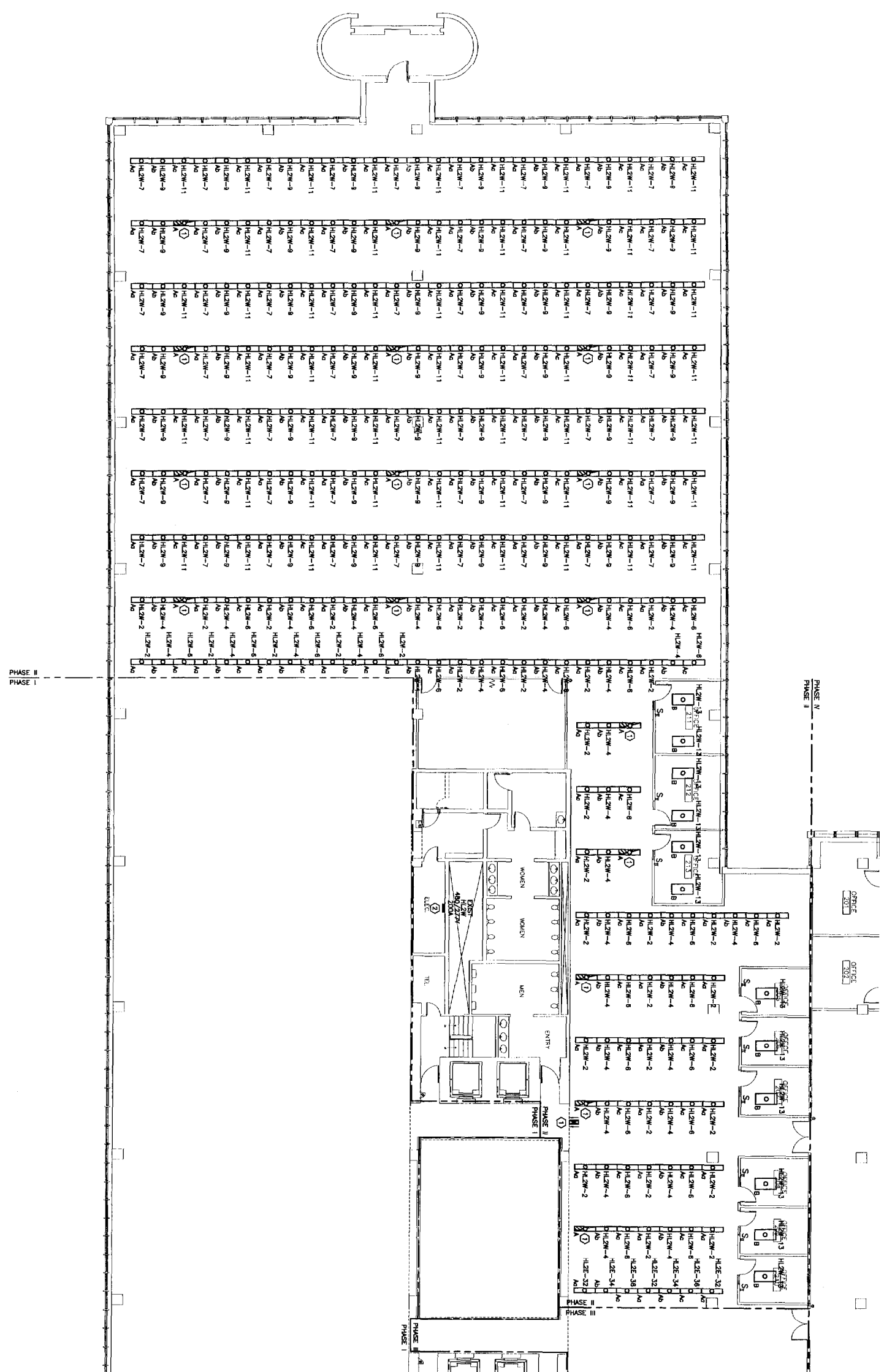
PROJECT NORTH

SM RT ARCHITECTURE ENGINEERING PLANNING
 144 Fore Street / R. O. Box 418
 Portland, Maine 04104
 tel. (207) 772-3846
 fax. (207) 772-1070

UNUMPROVIDENT HO-1
 2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME.

PHASE I LIGHTING PLAN	
SHEET TITLE:	PHASE I LIGHTING PLAN
SCALE: 1/8"=1'-0"	DATE: 1-28-04
PROJECT MANAGER: JLH	GRAPHIC SCALE:
JOB CAP/DRAWN: CEB/BGG	SHEET No. EL101
A/E OF RECORD: DJT	PROJECT No. 03100-01
SMRT CAD FILE: EL101-03100-01	

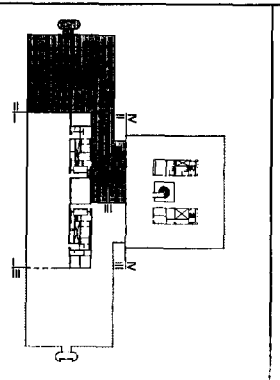
A1 FLOOR PLAN
1/8"=1'-0"



- NOTES:**
- SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
 - LIGHTS IN OPEN OFFICE TO BE CONTROLLED (SWITCHED) BY AN OVERHEAD CONTROL SYSTEM. EACH BRANCH CIRCUIT TO BE INDICATED BY A SECTION TO SWITCH SEPARATELY TO ALLOW FOR THREE DIFFERENT LIGHT LEVELS.

KEYED NOTE:

- BE-USE EXISTING EMERGENCY LIGHTING BRANCH IN OPEN OFFICE AREA TO FEED NEW EMERGENCY LIGHTS AND EXIT SIGNS SYSTEM. THIS FEEDING LINE AND BRANCH CIRCUIT SHALL BE SHOWN IN RED ON RECORD DRAWINGS.
- USE 20 AMP SINGLE POLE SPACE CIRCUIT BREAKERS IN EXISTING SQUARE D PANELBOARD TO FEED NEW LIGHTING AS INDICATED.



F18 KEY PLAN

NOT TO SCALE

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	1-28-04

ISSUED FOR CONSTRUCTION
1-28-04

CURRENT ISSUE STATUS:

PROJECT NORTH

SM RRT
 ARCHITECTURAL ENGINEERING PLANNING

144 5th Street, 2nd Floor
 Portland, Maine 04101
 Tel: (207) 775-3845
 Fax: (207) 774-0370

UNIMP/PROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME

PROJECT TITLE: **PHASE II LIGHTING PLAN**

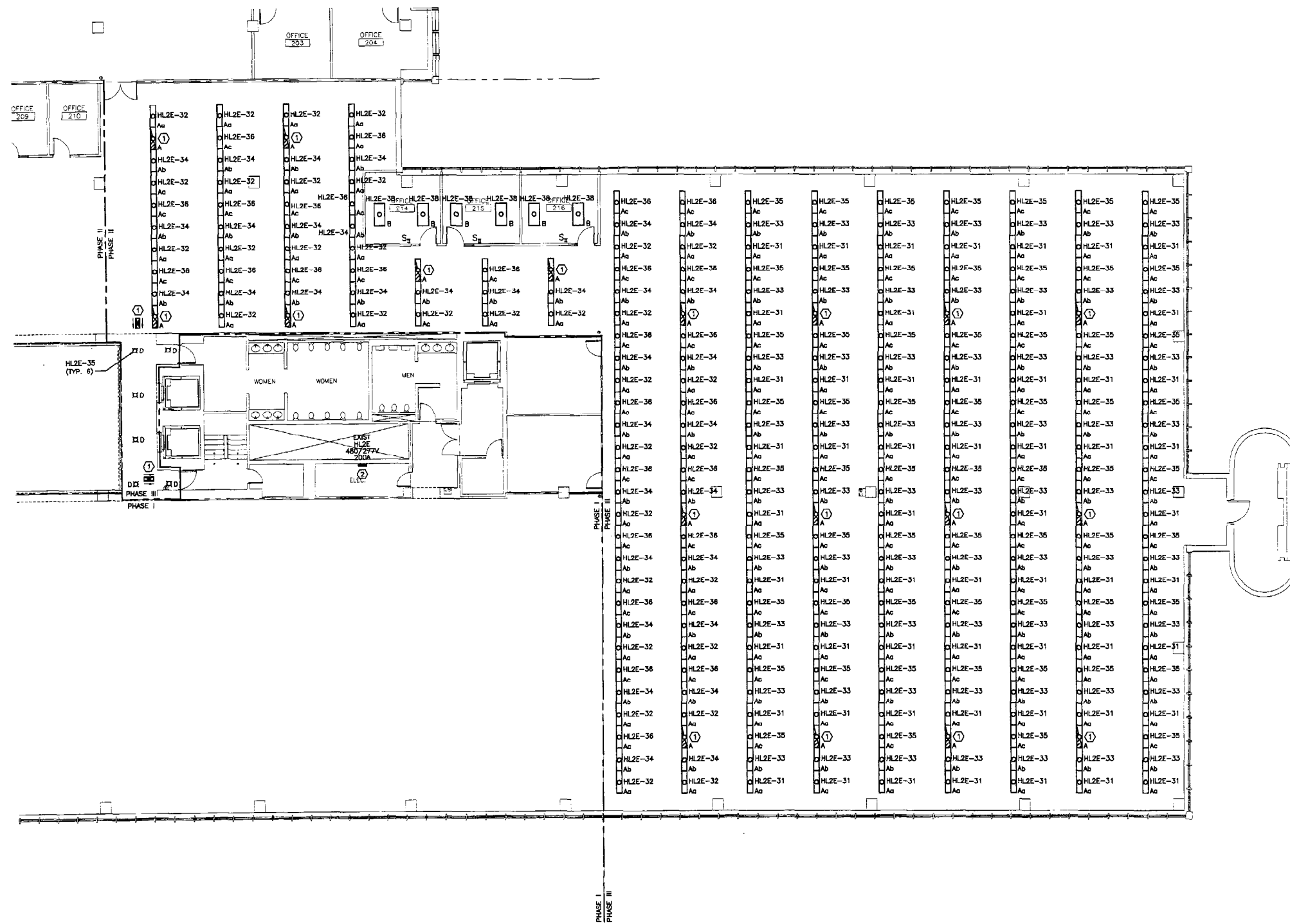
SHEET NO. **E1102**

DATE: 1-28-04

SCALE: 1/8"=1'-0"

PROJECT MANAGER: JLB
 JOB CDR/DESIGN: CB/BSG
 A/E OF RECORD: DJT

PROJECT NO. E102-03100-01
 SHEET NO. E1102

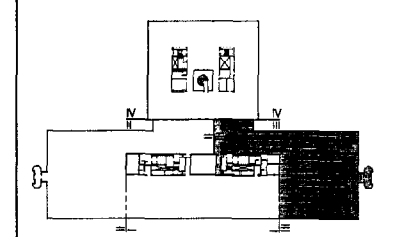


NOTES:

- SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
- LIGHTS TO BE CONTROLLED (SWITCHED) BY ANDOVER CONTROL SYSTEM. EACH BRANCH CIRCUIT TO BE CONTROLLED AS A SEPARATE ZONE AND BE WIRED SO THAT EVERY THIRD 4' SECTION TO SWITCH SEPARATELY TO ALLOW FOR THREE DIFFERENT LIGHT LEVELS.

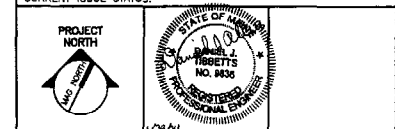
KEYED NOTE:

- RE-USE EXISTING EMERGENCY LIGHTING BRANCH IN OPEN OFFICE AREA TO FEED NEW EMERGENCY LIGHTS AND EXIT SIGNS. NO EMERGENCY LIGHTING BRANCH CIRCUIT SHALL FEED MORE THAN FIFTY LIGHTS. FIELD VERIFY CIRCUIT NUMBER USED AND INDICATE ON RECORD DRAWINGS.
- USE 20 AMP. SINGLE POLE SPARE CIRCUIT BREAKERS IN EXISTING SQUARE D PANELBOARD TO FEED NEW LIGHTING AS INDICATED.



F18 KEY PLAN	
NOT TO SCALE	
0	ISSUED FOR CONSTRUCTION
REV.	DESCRIPTION
	DATE

ISSUED FOR CONSTRUCTION
1-28-04



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144 Fore Street, P.O. Box 618
Portland, Maine 04104
Tel. (207) 772-3846
Fax. (207) 772-1070

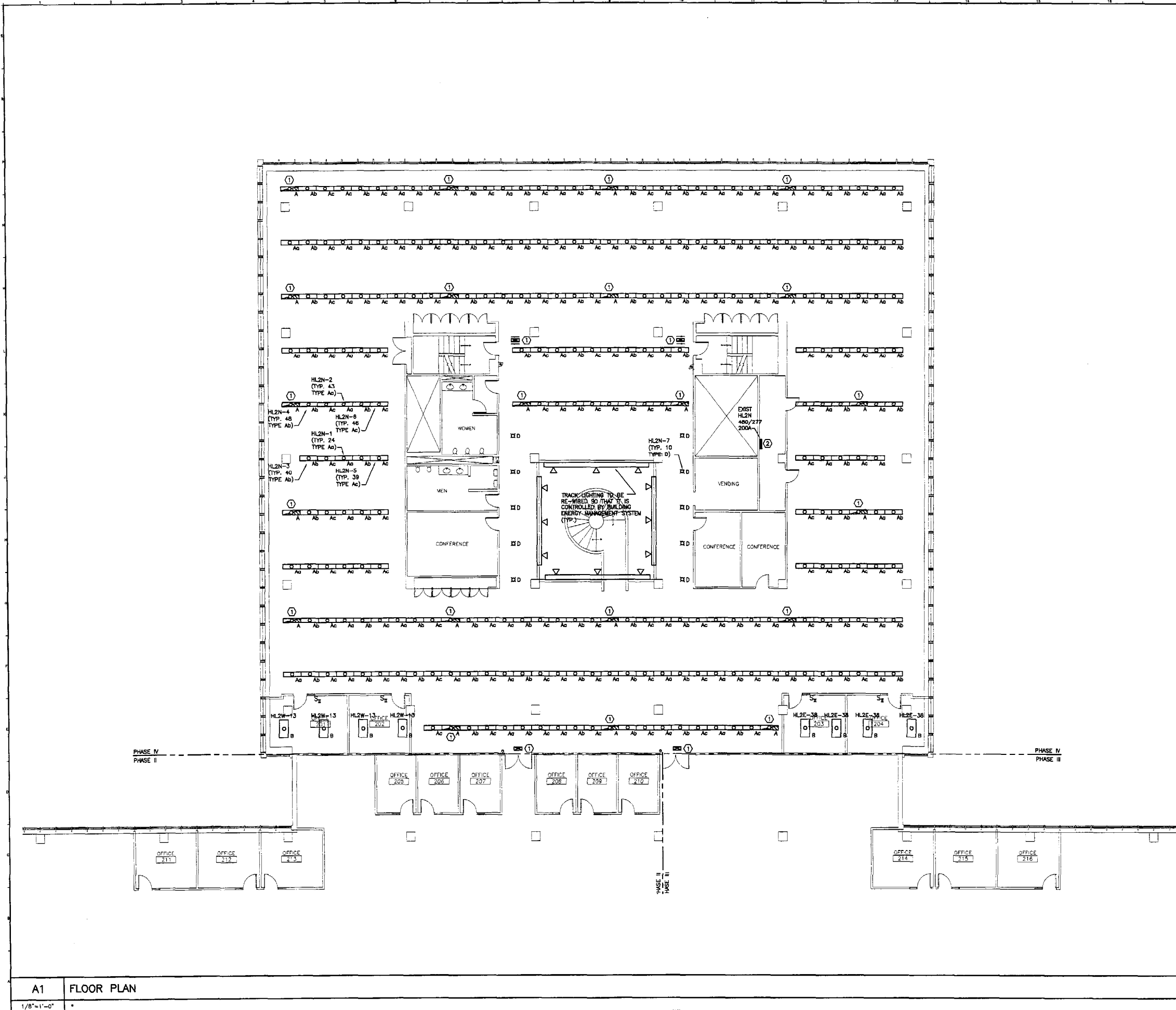
UNUMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME.

PHASE III LIGHTING PLAN

SHEET TITLE: SCALE: 1/8"=1'-0" DATE: 1-28-04
PROJECT MANAGER: JLM GRAPHIC SCALE: 0' 1'
JOB CAP/DRAWN: CEB/BGG
A/E OF RECORD: DJT SHEET No.
SMRT CAD FILE: EL103-03100-01
PROJECT No. 03100-01

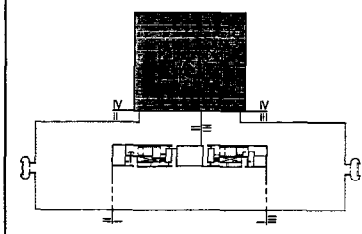
A1 FLOOR PLAN
1/8"=1'-0"

EL103



- NOTES:**
- SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
 - LIGHTS IN OPEN OFFICE TO BE CONTROLLED (SWITCHED) BY AN OVER CONTROL SYSTEM. EACH BRANCH CIRCUIT TO BE CONTROLLED AS A SEPARATE ZONE AND BE WIRED SO THAT EVERY THIRD 4' SECTION TO SWITCH SEPARATELY TO ALLOW FOR THREE DIFFERENT LIGHT LEVELS.
 - FEED FIVE NORTH MOST ROWS FROM HL2N-2, 4 AND 6 AND REMAINING SIX ROWS FROM HL2N-1, 3 AND 5.

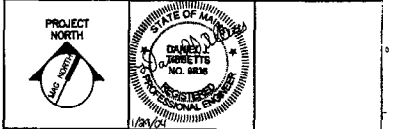
- KEYED NOTE:**
- RE-USE EXISTING EMERGENCY LIGHTING BRANCH IN OPEN OFFICE AREA TO FEED NEW EMERGENCY LIGHTS AND EXIT SIGNS. NO EMERGENCY LIGHTING BRANCH CIRCUIT SHALL FEED MORE THAN FIFTY LIGHTS. FIELD VERIFY CIRCUIT NUMBER USED AND INDICATE ON RECORD DRAWINGS.
 - REMOVE EXISTING PANELBOARD AND REPLACE WITH NEW SQUARE D PANELBOARD. PROVIDE 42 20 AMP. SINGLE POLE BREAKERS. RECONNECT FEEDER AND ANY REMAINING EQUIPMENT OR BRANCH CIRCUITS TO NEW PANELBOARD.



F18 KEY PLAN
NOT TO SCALE

0	ISSUED FOR CONSTRUCTION	1-28-04
REV.	DESCRIPTION	DATE

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CURRENT ISSUE STATUS:



SMRT ARCHITECTURE ENGINEERING PLANNING
SMRT
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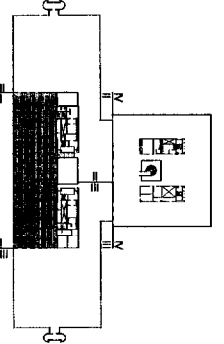
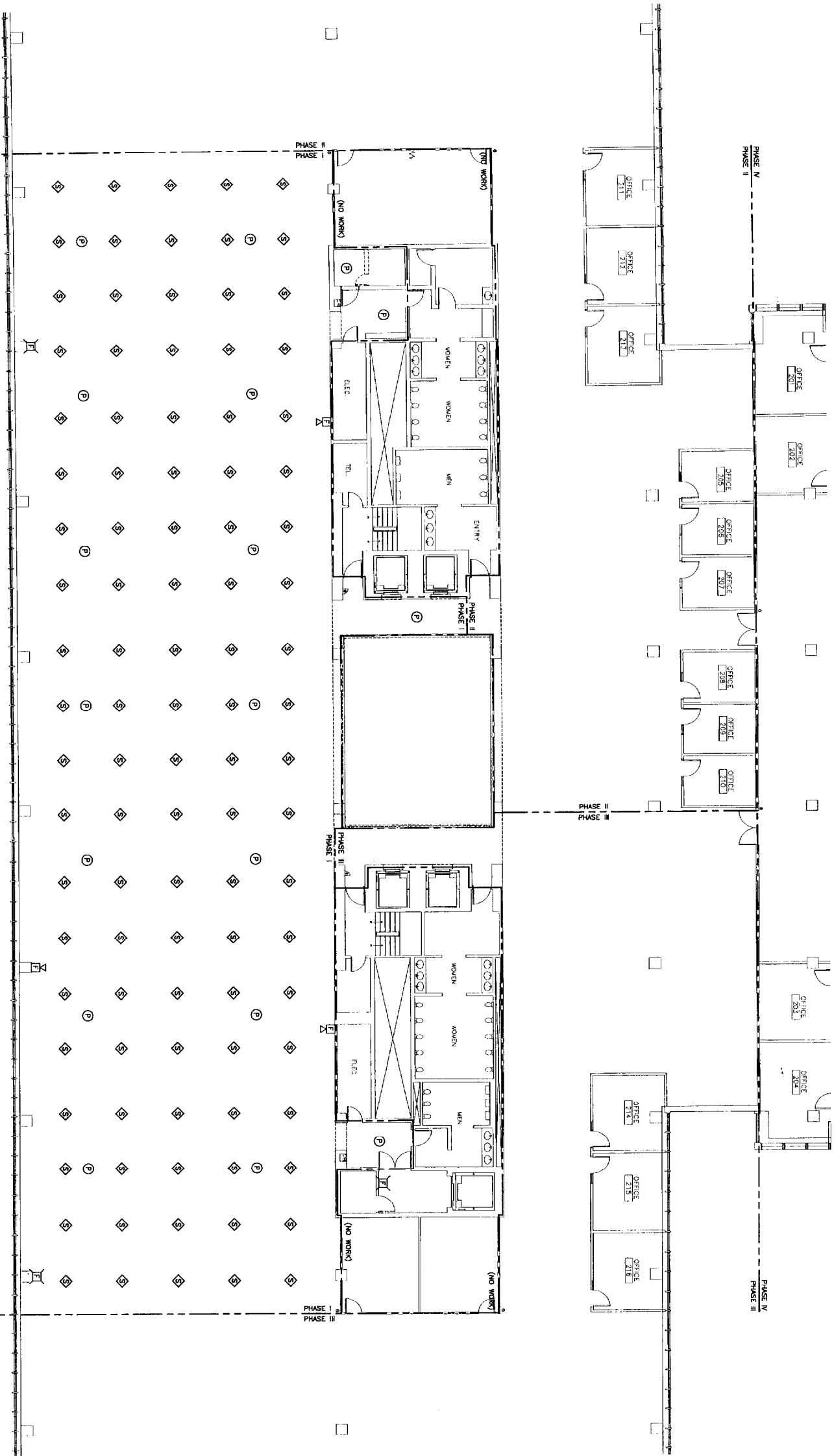
UNUMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME.

PHASE IV LIGHTING PLAN

SHEET TITLE:	1/8"=1'-0"	DATE:	1-28-04
SCALE:	1/8"=1'-0"	PROJECT MANAGER:	JLH
PROJECT MANAGER:	JLH	GRAPHIC SCALE:	0'
JOB CAP/DRAWN:	CEB/BCG	A/E OF RECORD:	DJT
A/E OF RECORD:	DJT	SHEET No.:	EL104
SMRT CAD FILE:	EL104-03100-01	PROJECT No.:	03100-01

A1 FLOOR PLAN
1/8"=1'-0"

- NOTE:**
- SEE SHEET E-201 FOR LEGEND AND GENERAL NOTES.
 - REMOVE SMOKE DETECTORS AT LOCATIONS SHOWN. PROVIDE NEW SMOKE DETECTORS AS SHOWN. PROVIDE LISTED FIRE ALARM MC CABLE. EXISTING F-LDM RATED CABLE TO BE REMOVED.
 - REMOVE EXISTING FIRE ALARM NOTIFICATION DEVICES SHOWN ON DRAWINGS. NEW WIRING TO BE UL LISTED FIRE ALARM MC CABLE.
 - TEST FIRE ALARM SYSTEM AFTER COMPLETION OF EACH PHASE TO VERIFY PROPER SYSTEM OPERATION.
 - RE-INSTALL WHITE NOISE SYSTEM SPEAKERS AT LOCATIONS SHOWN ON DRAWINGS.



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ARCHITECTURE ENGINEERING PLANNING

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PROJECT: UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
PORTLAND, ME

SHEET TITLE: PHASE I
SYSTEMS PLAN

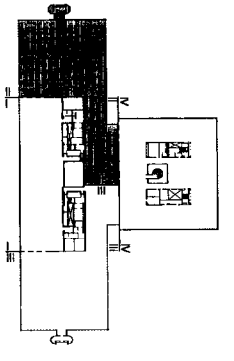
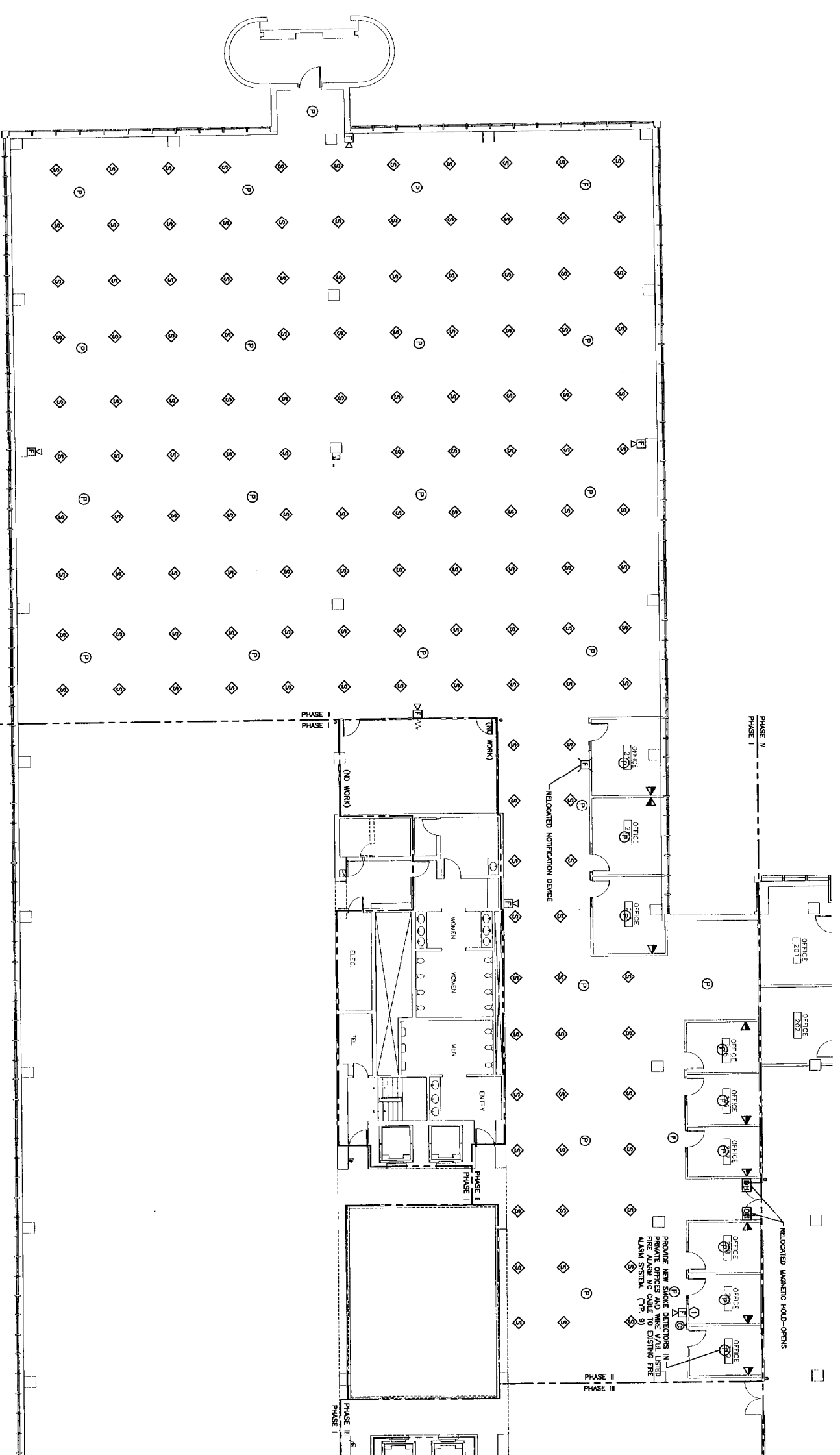
SCALE:	1/8"=1'-0"	DATE:	1-28-04
PROJECT MANAGER:	JULI	DRAWING SCALE:	
JOB CHG./DRAWN:	CEB/BSB		
A/E OF RECORD:	CE	SHEET NO.:	EY101
SMART CAD FILE:	EY101-01100-0		
PROJECT NO.:	03100-01		

A1 FLOOR PLAN

1/8"=1'-0"

- NOTE:**
1. SEE SHEET E-101 FOR LEGEND AND GENERAL NOTES.
 2. RELOCATE SMOKE DETECTORS AT LOCATIONS SHOWN. PROVIDE NEW WIRING FOR SMOKE DETECTORS. NEW WIRING TO BE UL LISTED FIRE ALARM MC CABLE. EXISTING FLEXIBLE RATED CABLE TO BE REMOVED.
 3. REMOVE EXISTING FIRE ALARM NOTIFICATION DEVICES SHOWN ON CABLE. NEW WIRING TO BE UL LISTED FIRE ALARM MC CABLE.
 4. TEST FIRE ALARM SYSTEM AFTER COMPLETION OF EACH PHASE TO VERIFY PROPER SYSTEM OPERATION.
 5. RE-INSTALL WRITE NOISE SYSTEM SPEAKERS AT LOCATIONS SHOWN ON DRAWINGS.
 6. FOR ALL VOICE DATA OUTLETS SIGNAL PROVIDE EMPTY OUTLET COVER AND ACCESSORY (W/ALL STRINGS) TO AVOID AN ACCESSIBLE CLAMP.

KEYED NOTE:
 RELOCATED FIRE ALARM NOTIFICATION DEVICE AND CLOCK. SEE SHEET E102 FOR EXISTING LOCATION.



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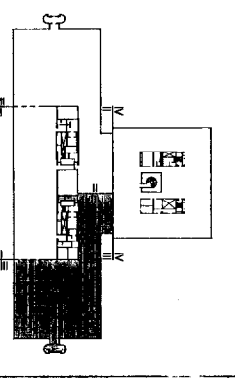
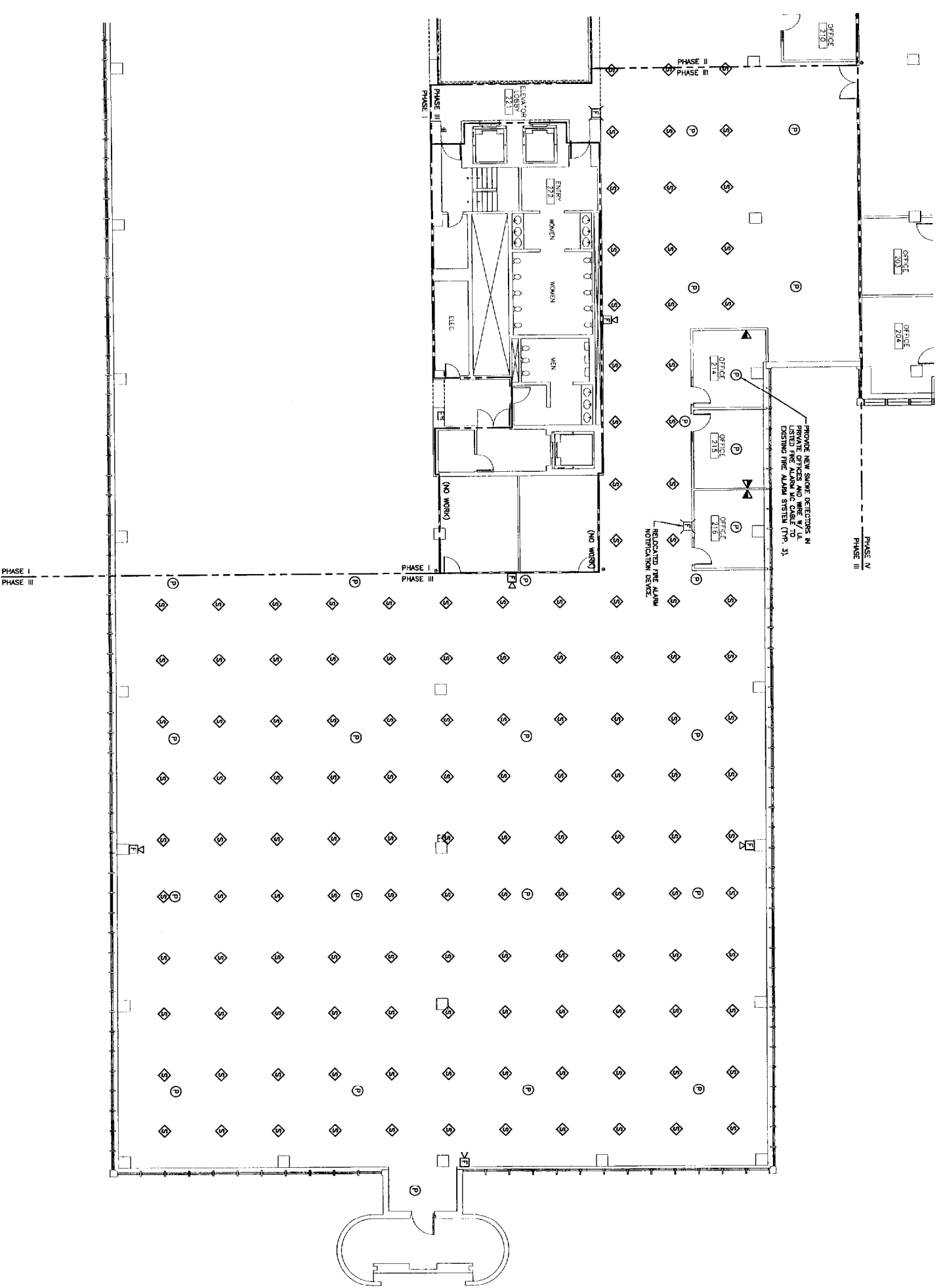
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PROJECT TITLE: **UNIMPROVEMENT HO-1**
2nd FLOOR OFFICE RENOVATIONS
 PORTLAND, ME

PROJECT: **PHASE II**
SYSTEMS PLAN

SHEET TITLE:	DATE:
SCALE: 1/8"=1'-0"	1-28-04
PROJECT MANAGER: JIH	GRAPHIC SCALE: 1"=10'-0"
JOB CH/DRWING: CB3/7803	
A/E OF RECORD: DAT	SHEET NO.: EY102
SMART DWG FILE: EY102-03100-03	
PROJECT NO.: 03100-01	

- NOTE:**
- SEE SHEET E-301 FOR LEGEND AND GENERAL NOTES.
 - RELOCATE SMOKE DETECTORS AT LOCATIONS SHOWN. REMOVE EXISTING SMOKE DETECTORS AT LOCATIONS SHOWN TO BE REMOVED. LISTED FIRE ALARM MC CABLE, DISTINGUISH PLUMBED CABLE TO BE REMOVED.
 - REMOVE EXISTING FIRE ALARM NOTIFICATION DEVICES SHOWN ON DRAWINGS. NEW WIRING TO BE UL LISTED FIRE ALARM MC CABLE.
 - TEST FIRE ALARM SYSTEM AFTER COMPLETION OF EACH PHASE TO VERIFY PROPER SYSTEM OPERATION.
 - RE-INSTALL WHITE NOISE SYSTEM SPEAKERS AT LOCATIONS SHOWN ON DRAWINGS.
 - FOR ALL VOICE/DATA OUTLETS SHOWN PROVIDE EMPTY OUTLET BOX AND 3/4" CONDUIT (W/FIELD STRING) TO ABOVE AN ACCESSIBLE CEILING.



F18
KEY PLAN

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1-28-04

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UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
FORTUDNO, MD

PHASE III
SYSTEMS PLAN

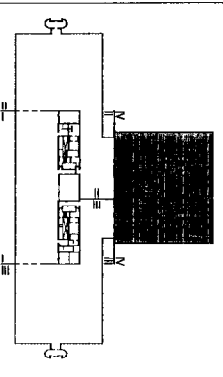
SHEET TITLE: PHASE III SYSTEMS PLAN
SCALE: 1/8"=1'-0"
DATE: 1-28-04
PROJECT MANAGER: JH
JOB NO./DRAWING: 0310/050
DATE OF RECORD: 01/01
SHEET NO.: EY103
PROJECT NO.: 03100-01

A1
FLOOR PLAN

1/8"=1'-0"

- NOTE:**
1. SEE SHEET E-101 FOR LEGEND AND GENERAL NOTES.
 2. RELOCATE SMOKE DETECTORS AT LOCATIONS SHOWN. PROVIDE NEW WIRING FOR SMOKE DETECTORS. NEW WIRING TO BE UL LISTED FIRE ALARM MC CABLE. DISTING PLenum RATED CABLE TO BE REWORKED.
 3. REMOVE EXISTING FIRE ALARM NOTIFICATION DEVICES SHOWN ON CABLE. NEW WIRING TO BE UL LISTED FIRE ALARM MC CABLE.
 4. TEST FIRE ALARM SYSTEM AFTER COMPLETION OF EACH PHASE TO VERIFY PROPER SYSTEM OPERATION.
 5. RE-INSTALL WHITE NOSE SYSTEM SPOKERS AT LOCATIONS SHOWN ON DIMENSIONS.
 6. FOR ALL VOICE/DATA OUTLETS SHOWN PROVIDE EMPTY OUTLET ACCESSIBLE CEILING.

KEYED NOTE:
 (C) RELOCATED FIRE ALARM NOTIFICATION DEVICE AND CLOCK. SEE SHEET E-101 FOR DRAWING LOCATION.



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PROJECT NORTH

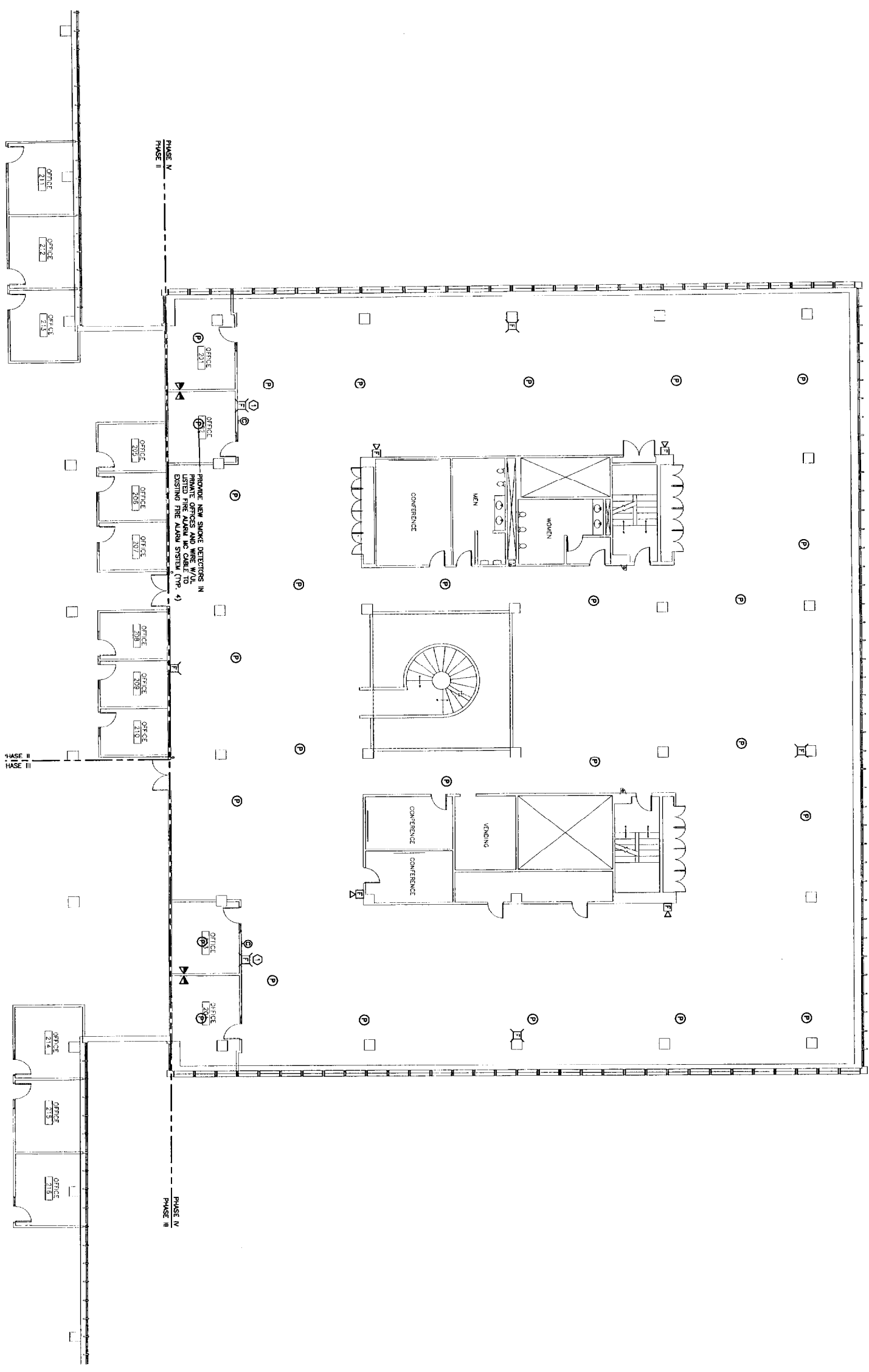
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UNIMPROVIDENT HO-1
2nd FLOOR OFFICE RENOVATIONS
 FORTLAND, ME

PHASE IV
SYSTEMS PLAN

SHEET TITLE: PHASE IV SYSTEMS PLAN
 SCALE: 1/8"=1'-0" DATE: 1-28-04
 PROJECT MANAGER: JAH
 JOB CHG/DESIGN: CES/RSB
 DATE OF RECORD: DUT
 SHEET NO: EY104
 PROJECT NO: 03100-01



PHASE IV
 PHASE II

PHASE IV
 PHASE III

REMOVE NEW SMOKE DETECTORS IN PHASE IV AREAS AND LISTED FIRE ALARM MC CABLE TO EXISTING FIRE ALARM SYSTEM (TYP. 4)

A1 FLOOR PLAN

1/8"=1'-0"