PORTLAND STATE UNIVERSITY
Student Health Center Dental Care Suite

SYMBOLS
(not all symbols use in this set)

- NAME / NO. — ROOM NAME; ROOM IDENTIFICATION; ROOM NUMBER
- 100 — DOOR NUMBER; DOOR INDENTIFICATION
- SECTION IDENTIFICATION; BUILDING SECTION; SHEET NUMBER
- SECTION IDENTIFICATION; WALL SECTION; SHEET NUMBER
- DETAIL IDENTIFICATION; DETAIL; SHEET NUMBER
- ELEVATION IDENTIFICATION; INTERIOR ELEVATIONS; SHEET NUMBER
- B.O. WINDOW SILL EL. = 3'-0" A.F.F. — ELEVATION TARGET
- 1 / A — COLUMN LINE
- MATCH LINE
- CONTROL POINT
- 01 — SPECIFIC NOTE
- 02 — WINDOW TYPE
- 01 — LOUVER TYPE
- 01 — PARTITION TYPE; ASSEMBLY TYPES
- 1 — REVISION

MATERIALS
(not all indications used in this set)

- EARTH
- GRAVEL
- CONCRETE
- CONCRETE MASONRY
- GYPSUM BOARD
- STEEL
- WOOD - ROUGH
- WOOD - FINISH
- PLYWOOD
- ACOUSTIC BOARD
- BATT INSULATION
- RIGID INSULATION

PROJECT TEAM

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Contact: Nathan Charlton

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Contact: Mark Finestone

ELECTRICAL ENGINEER: Reyes Engineering
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PHONE: 503-771-1986
FAX: 503-772-2496
CONTACT: Floriano Reyes

DRAWINGS LEGEND

ARCHITECTURAL

A0.1	COVER SHEET
A0.2a	LIFE SAFETY NOTES
A0.2b	LIFE SAFETY PLANS - BASEMENT AND FIRST FLOORS
A0.2c	LIFE SAFETY PLANS - SECOND AND THIRD FLOORS
A0.2d	LIFE SAFETY PLANS - FOURTH FLOOR
A0.3	RATED PARTITION & PENETRATION DETAILS
A2.1	PARTIAL FLOOR/CEILING/FINISH/EQUIPMENT PLAN
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MECHANICAL

M0.1	LEGENDS / ABBREVIATIONS / SCHEDULES
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DM2.3	MECHANICAL HVAC PLAN
M6.1	MECHANICAL DETAILS

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DP2.2	SECOND FLOOR PLUMBING
DP2.3	THIRD FLOOR PLUMBING

ELECTRICAL

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DE2.1	THIRD FLOOR LIGHTING PLAN
DE3.1	THIRD FLOOR POWER PLAN
DE4.1	ELECTRICAL DETAILS

ABBREVIATIONS
(not all abbreviations used in this set)

&	AND
∡	ANGLE
@	AT
℄	CENTERLINE
ø	DIAMETER OR ROUND
#	POUND OR NUMBER
(e)	EXISTING
⊥	PERPENDICULAR
PL	PLATE OR PROPERTY LINE
A	
ACOUS	ACOUSTICAL
A.D.	AREA DRAIN
ADJ	ADJUSTABLE
AGGR	AGGREGATE
AL	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
B	
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
C	
CAB	CABINET
C.B.	CATCH BASIN
CER	CERAMIC
C.I.	CAST IRON
C.G.	CORNER GUARD
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
C.O.	CASED OPENING
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CTSK	COUNTERSUNK
CNTR	COUNTER
CTR	CENTER
D	
DBL	DOUBLE
DEPT	DEPARTMENT
D.F.	DRINKING FOUNTAIN
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
D.O.	DOOR OPENING
DR	DOOR
DWR	DRAWER
DS	DOWNSPOUT
D.S.P.	DRY STANDPIPE
DWG	DRAWING
E	
E	EAST
(E)	EXISTING
EA	EACH
E.J.	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXST	EXISTING
EXPO	EXPOSED
EXP	EXPANSION
EXT	EXTERIOR
F	
F.A.	FIRE ALARM
F.B	FLAT BAR
F.D.	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FIN	FINISH
FL	FLOOR
FLUOR	FLUORESCENT
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.S.	FACE OF STUDS
FPRF	FIREPROOF
FT	FOOT OR FEET
FTG	FOOTING
FURR	FURRING
FUT	FUTURE
G	
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GL	GLASS
GND	GROUND
GR	GRADE
GYP	GYPSUM
H	
H.B.	HOSE BIB
HC	HOLLOW CORE
HDWD	HARDWOOD
HDWE	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HGT	HEIGHT
I	
I.D.	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
J	
JAN	JANITOR
JT	JOINT
K	
KIT	KITCHEN
L	
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LT	LIGHT
M	
MAX	MAXIMUM
M.C.	MEDICINE CABINET
MECH	MECHANICAL
MEMB	MEMBRANE
MET	METAL
MFR	MANUFACTURER
M.H.	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
M.O.	MASONRY OPENING
MTD	MOUNTED
MUL	MULLION
N	
N	NORTH
(N)	NEW
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O	
O.A.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACT, INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALL'D
OFF	OFFICE
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
P	
PRCST	PRECAST
PL	PLATE
P.LAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PR	PAIR
PT	POINT
P.T.D.	PAPER TOWEL DISPENSER
P.T.D/R	COMBINATION PAPER TOWEL DISPENSER & RECEPTACLE
PTN	PARTITION
P.T.R.	PAPER TOWEL RECEPTACLE
Q	
Q.T.	QUARRY TILE
R	
R	RISER
(R)	RELOCATE
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
RGTR	REGISTER
REINF	REINFORCED
REQ	REQUIRED
RESIL	RESILIENT
RM	ROOM
R.O.	ROUGH OPENING
R.W.L.	RAIN WATER LEADER
S	
S	SOUTH
SC	SOLID CORE
S.C.D.	SEAT COVER DISPENSER
SCHED	SCHEDULE
S.D.	SOAP DISPENSER
SECT	SECTION
SH	SHARPS DISPOSAL CONTAINER
SHR	SHOWER
SHT	SHEET
SIM	SIMILAR
S.N.D.	SANITARY NAPKIN DISPENSER
S.N.R.	SANITARY NAPKIN RECEPTACLE
S.P.T.	SPECIMEN PASS - THRU
SQ	SQUARE
S.ST	STAINLESS STEEL
S.SK	SERVICE SINK
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRL	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
T	
T	TREAD
T.B.	TOWEL BAR
T.C.	TOP OF CURB
T.C.A.	TILE COUNCIL of AMERICA
TEL	TELEPHONE
T&G	TONGUE AND GROOVE
THK	THICK
T.P.	TOP OF PAVEMENT
T.P.D.	TOILET PAPER DISPENSER
TV	TELEVISION
T.W.	TOP OF WALL
TYP	TYPICAL
U	
UL	UNDERWRITERS LABORATORY
UNF	UNFINISHED
UR	URINAL
V	
VERT	VERTICAL
VEST	VESTIBULE
W	
W	WEST
W/	WITH
W.C.	WATER CLOSET
WD	WOOD
W/O	WITHOUT
WP	WATERPROOF
WSCT	WAINSCOT
WT	WEIGHT

COVER SHEET
SHEET TITLE

Student Health & Counseling Center Dental Care Suite

Portland State University

CLARK/KJOS

CLARK/KJOS ARCHITECTS
333 N.W. 5th Avenue Portland, OR 97209
Phone: 503/224-4848 Fax: 503/224-7116

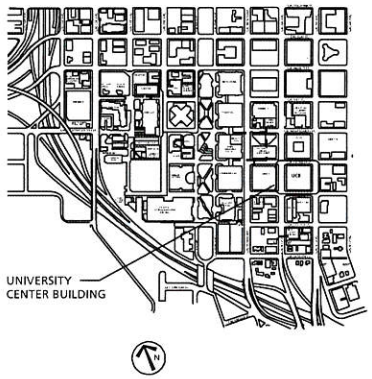
PROJECT NO.	DATES
02021/03019	June 10, 2004

RECORD DRAWING

REGISTERED ARCHITECT JAMES T. CLARK JR. PORTLAND, OREGON STATE OF OREGON

SHEET
A0.1

VICINITY MAP



LIFE SAFETY GENERAL NOTES

1. The contractor and all trades including the Mechanical & Electrical contractors shall become thoroughly familiar with all requirements listed in the "Fire and Life Safety Standards" (FLSS) and comply with same.
2. Only the "Areas of Work" shown on the overall Floor Plan(s) shall be a part of this project.

OCCUPANCY CLASSIFICATION & LOADS

THIRD FLOOR

USE	AREA	LOAD FACTOR	OCCUPANCY	OCC LOAD
Medical Clinic / Office	1,061 sf	100	B	11
Medical Clinic / Conference Room	455 sf	15	B	31
Classroom	810 sf	20	B	41
Office	16,727 sf	100	B	168
Parking Garage	9,568 sf	200	S-4	81
Building Service	519 sf	100	B	6
Building Circulation	2,015 sf	-	B	-
Mechanical	99 sf	30	B	4
Total	31,254 GSF			342

SECOND FLOOR

USE	AREA	LOAD FACTOR	OCCUPANCY	OCC LOAD
Medical Clinic / Office	14,776 sf	100	B	146
Medical Clinic / Conference Room	511 sf	15	B	34
Parking Garage	18,831 sf	200	S-4	95
Building Service	168 sf	100	B	2
Building Circulation	3,579 sf	-	B	-
Mechanical	104 sf	30	B	4
Total	38,928 GSF			283

CODE REVIEW

ADDRESS	University Center Building 527 SW Hall St. Portland, Oregon
OWNER (Tenant)	Portland State University Office of facilities 617 SW Montgomery St., Suite 200 Portland, Oregon 97207-0751
CODES	State of Oregon Structural Specialty Code 1997
CONSTRUCTION TYPE	I
NUMBER OF STORIES	5
FIRE PROTECTION	Non-sprinklered
FIRE RESISTIVE RATINGS	See table
FIRE ALARM SYSTEM	Yes
ZONING DESIGNATION	CX

LEGEND

Exit corridor - 1hr rated walls to underside of structure above

Hallway - Non-rated

2hr walls - Horizontal exit, stair enclosure, shaft

Occupancy separation - no rating required (see occupancy separation requirements listed above)

Door Assemblies
20 min. @ 1hr corridor walls
60 min. @ Occupancy separation walls
90 min. @ Building separation walls, shaft walls

ARCHITECTURAL CONSTRUCTION STANDARDS

General Information

The UNIVERSITY CENTER BUILDING is located at 527 SW Hall Street, Portland, Oregon.

The UNIVERSITY CENTER BUILDING is a 5-story structure with basement below. It occupies the city block between SW Hall St on the south and SW Harrison St. on the north and between 6th Ave to the west and 5th Ave to the east.

The basement level is parking. The first floor is parking and commercial lease space. The 2nd floor is office/classroom use and opening parking. The third level is office /classroom use.
The building consists of approximately 187,000 square feet

Building Code Standards

1. **Reference Building Code:**
1994 Edition State of Oregon Structural Specialty Code.

2. **Gross Building Area:** 187,000 sq. ft.

3. **Building Type:** Type I
(Exterior steel columns/beams shall be protected with a 1-hour fire resistive rating. Silk per section 601 with Code as April 2003)

4. **Building Occupancy:** (table 5-A & 10-A)

B Classrooms, Offices 20/100 occ. sf
S-2 Non-combustible Storage 100
S-4 Parking Garage 200
S-4 Open Parking Garage 200

5. **Occupancy Separation/Hours:** (table 5-B)

	B	S-2	S-4	S-4
B	-	N	1	N
S-2		-	1	1
S-4			-	N
S-4				-

N = No separation required. NA = Not Applicable
? = Equivalent by "fire approach"

6. **Building Height/Area Limitations:** (sect. 503 & table 5A & 5C)
1 story height and 150,000 sf. (2 unlimited + 2 (separating) = 150,000sf
Office, parking other, (w/ 5 hour rated sprinkler, allow 2)
150,000 sf + open parking exercise allow

7. **Setting Yards:**

North	SW Harrison St.	40
East	SW 6th Ave	40
South	SW Hall St.	40
West	SW 5th Ave.	40

8. **Building Construction:** (table 6a)

Exterior Bearing Walls	4 hour fire rating
Interior Bearing Walls	3 hour
Exterior Non-bearing Walls	4 hour less than 5 ft. 2 hour less than 20 ft. 1 hour less than 40 ft. NR/NC greater than 40 ft.
Structural frame	3 hour
Permanent Partitions	1 hour
Shaft Enclosures	2 hour
Floor / Ceiling	2 hour
Roof / Ceiling	2 hour
Exterior Openings	Not permitted less than 5 ft. Protected less than 20 ft.
Stairways	Concrete or Steel

9. **Building Areas / Fire Sprinklers**

flr.	parking	office/classrm	retail	
Basement	16,000	0	0	sprinkled
1st	29,000	0	7,000	sprinkled
2nd	19,000	17,000	0	
3rd	10,000	10,000	0	
4th	0	29,000	0	
total sf	94,000	86,000	7,000	

Grand Total= 187,000 sf

IMPROVEMENT GOALS

Construction Improvement Goals

1. Emergency lighting will be provided in stairwells.
2. ADA visual strobes will be installed in remodeled areas.
3. The fire alarm detection system will be connected to the elevator.
4. An addressable fire alarm panel with smoke detection and output relay control will be provided. Full smoke detection of classrooms, offices, corridors and classrooms will be provided in conjunction with current and future remodeling projects.
5. Generator supported emergency lighting of stairwells and corridors will be provided in conjunction with future remodeling.
6. As areas are remodeled, existing mechanical systems shall be upgraded to include combination fire/smoke dampers installed in supply ductwork passing through egress corridors and occupancy separations - unless code exceptions apply.
7. As areas of unprotected steel construction on the third and fourth floors are remodeled, the existing ceiling/floor and ceiling/roof assemblies will be upgraded to a one-hour fire rated assembly such as UL Assembly P216. Component upgrades may include: A one-hour fire-rated ceiling system (grid and panels), fire dampers at HVAC penetrations and tenting of recessed light fixtures. A fire-resistive membrane shall be provided from exterior wall to exterior wall, including the top of partitions that extend through the ceiling system.

APPEAL SUMMARIES

Appeal –Summaries

1. APPEAL #10 OF 2/11/79

A. Building Regulation Requirement:
1) 3301 (c), 3302 (c), 3304 (g), Exit is a continuous and unobstructed means of egress to a public way, and shall include intervening doors, doorways, corridors, exterior exit balconies, ramps, stairways, smoke proof enclosures, horizontal exits, exit passageways, exit courts, and yards.
(e) Exits through adjoining or accessory areas. Exits from a room may open into an adjoining or intervening room or area provided such adjoining room is accessory to the area served and provides a direct means of egress to an exit corridor, exit stairway, exterior exit horizontal exit, exterior exit balcony or exit passageway. Construction walls of corridors serving an occupant load of 30 or more shall be of not less than one-hour fire-resistive construction and the ceilings shall be not less than that required for a one hour fire resistive floor or roof system.
2) Table 5 B, Three-hour separation wall between A-3 and B-1

B. Proposed Design:
1) Provide exit corridor which opens to parking space. Parking area is open on (3) sides to atmosphere. There will be no obstructions from exit to smoke stair enclosure serving as exit to street. The other end of exit has direct access to lobby, elevator, and stair which open directly to outside.
2) A two hour wall which will be extended across entire east face of proposed addition.

C. Reason for Alternate Proposal:
1) Proposed exit patterns are clearly defined. Possibility of obstruction through open space will be lessened by painted passage way. Space will be exiting through low occupancy area which is open to atmosphere. Building is construction Type I. Stairway proposed to use is concrete enclosed smoke tower.
2) Possibility of future expansion into B-1 area is very high. Actual use of A-3 space for large meeting will be very infrequent. Building is Type I construction. B-1 area is low occupancy use open to outside. All doors exiting from assembly space will swing to outside and equipped with panic hardware.

D. Action Taken:
1) Exit corridor: GRANTED provided a three foot aisle is maintained unobstructed, identified by painted aisle lines form the new office area to the exterior of the building as shown on plan submitted.
2) Two-hour wall: Because of the limited use of the space in question, appeal to be GRANTED.

2. APPEAL #7 OF 11/15/79

A. Building Regulation Requirement
Sec. 503 (c) 14 and table 5A. One hour fire resistive occupancy separation shall be of not less than one hour fire resistive construction. All openings in such separation shall be protected by a fire assembly having a one hour fire protection rating.

B. Proposed Design
Proposed design for a through wall air conditioning unit between a 10 x 14 foot B-2 area with a word processing unit and a B-3 parking area.

Building is type one construction. The existing occupancy separation wall is of non-combustible material. The air conditioning unit will have a non-combustible exterior and will be supported in the wall with non-combustible materials. The parking area is a low occupancy use and open to the atmosphere on three sides.

C. Reason for Alternate Proposal
The 10 x 14 foot office will house a word processing unit. The word processing equipment is sensitive to atmosphere conditions, and will require greater control of the air conditioning of this area than can be provided by the existing equipment for this office.

The opening required for this unit will be approximately 3-/2 sq ft. in a wall of approximately 2,000sq ft. the existing (1) hour wall is non-combustible construction as is the air conditioning unit proposed. The building is of type I construction and the parking area is private and has a low density use not open to the general public.

D. Action Taken
GRANTED provided that the area within four feet of either side of the opening be permanently blocked off—not allow parking.

3. APPEAL #7 OF 7/31/80

A. Building Regulation Requirement
3304 (a) . Exit corridor shall be continuous until egress is provided from the building and shall not be interrupted by intervening rooms.

B. Proposed Design
Provide exit corridor which opens onto a free—use, private parking area open to atmosphere on two (2) sides. There will be no obstruction and a 5'-0" wide, painted, stripped path from the exit to the existing smoke tower stair enclosure. The other end of the exit corridor has direct access to lobby, elevator and stair, which opens directly to the outside. The appeal is very similar to the one granted for this space on 3-1-79 (appeal #20)

(Note: There is a Memorandum 6/11/80 by MacKenzie /Satta attached to this appeal. It describes previous appeals, discussions with Fire Marshall and building department representatives, the & 2hr. wall and ceiling ratings, plan revisions, and a constructed one hour wall between B-2 and B-1 occupancies.)

C. Reason for Alternate Proposal
The proposed exit pattern is clearly defined. The stripped exit path through the low use, private, attendant maintained, parking area leads to an existing smoke tower/stair enclosure. The parking area is open to the atmosphere on two (2) sides and the building is of type I construction.

D. Action Taken
GRANTED as proposed.

LIFE SAFETY INTRODUCTION
SHEET TITLE

Student Health & Counseling Center Dental Care Suite

Portland State University

CLARK/KJOS

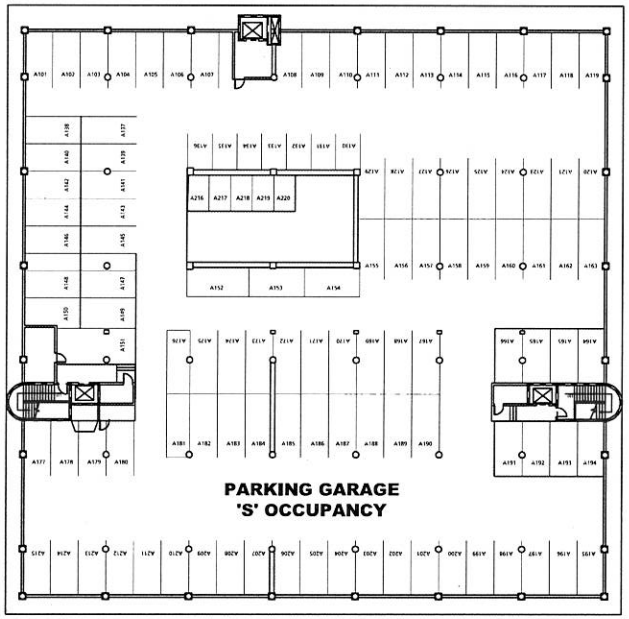
CLARK/KJOS ARCHITECTS
333 N.W. 5th Avenue Portland, OR 97209
Phone: 503/224-8665 Fax: 503/224-4116

PROJECT NO.	DATES
02021/03019	June 10, 2004

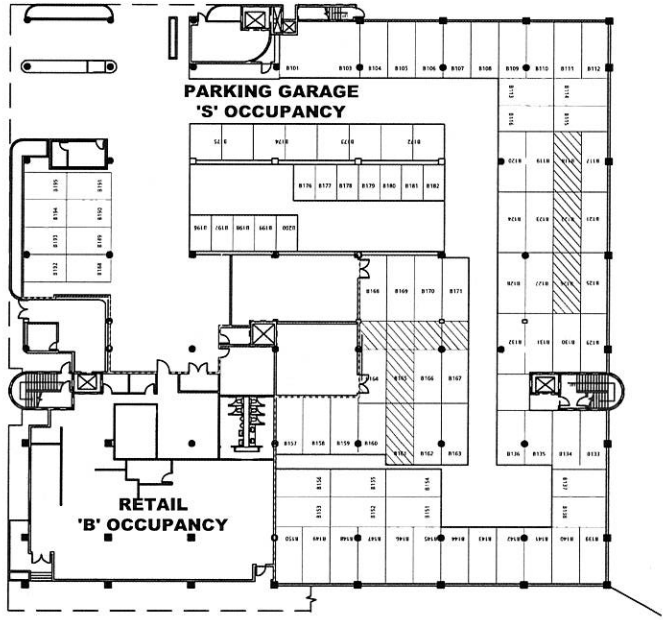
RECORD DRAWING

REGISTERED ARCHITECT JAMES E. CLARK JR. PORTLAND, OREGON STATE OF OREGON

SHEET
A0.2a



1 **LIFE SAFETY PLAN - BASEMENT**
1/16" =1'-0"



2 **LIFE SAFETY PLAN - FIRST FLOOR**
1/16" =1'-0"

LIFE SAFETY PLANS
SHEET TITLE

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Portland State University

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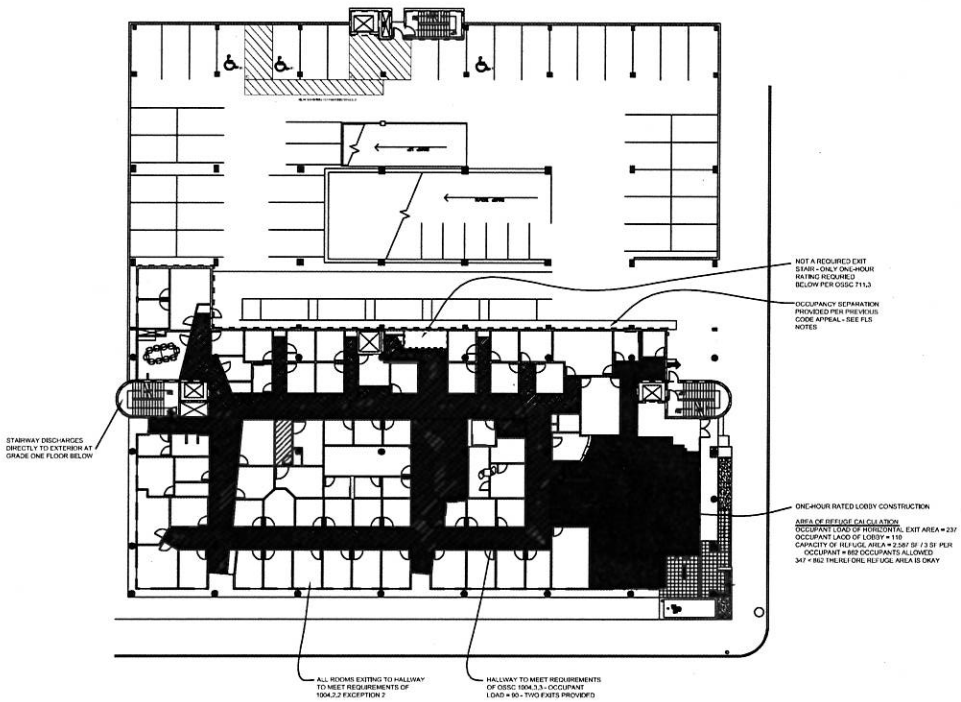
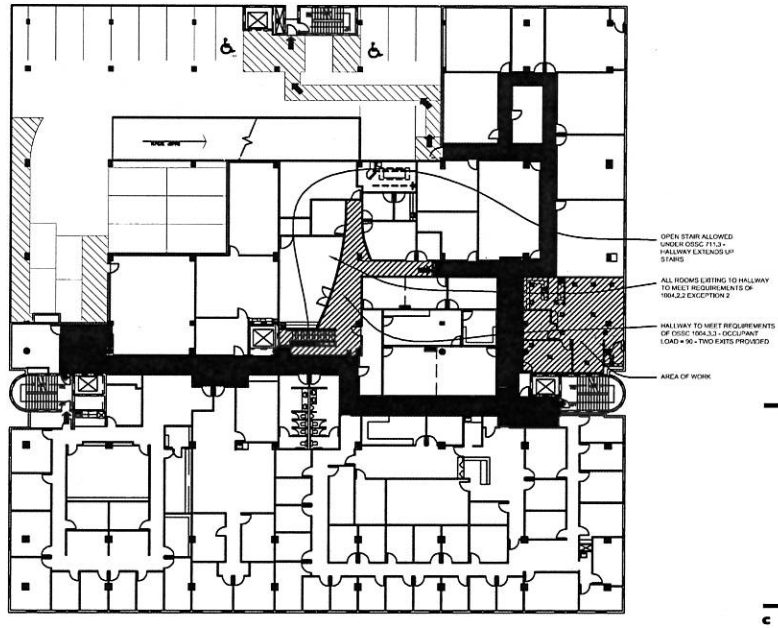
RECORD DRAWING

REGISTERED ARCHITECT JAMES T. CLARK JR. PORTLAND, OREGON STATE OF OREGON

SHEET
A0.2b
3 OF 8



1 **LIFE SAFETY PLAN - SECOND FLOOR**
1/16" =1'-0"



2 **LIFE SAFETY PLAN - THIRD FLOOR**
1/16" =1'-0"

LIFE SAFETY PLANS
SHEET TITLE

Student Health & Counseling Center Dental Care Suite

Portland State University

CLARK⟋KJOS

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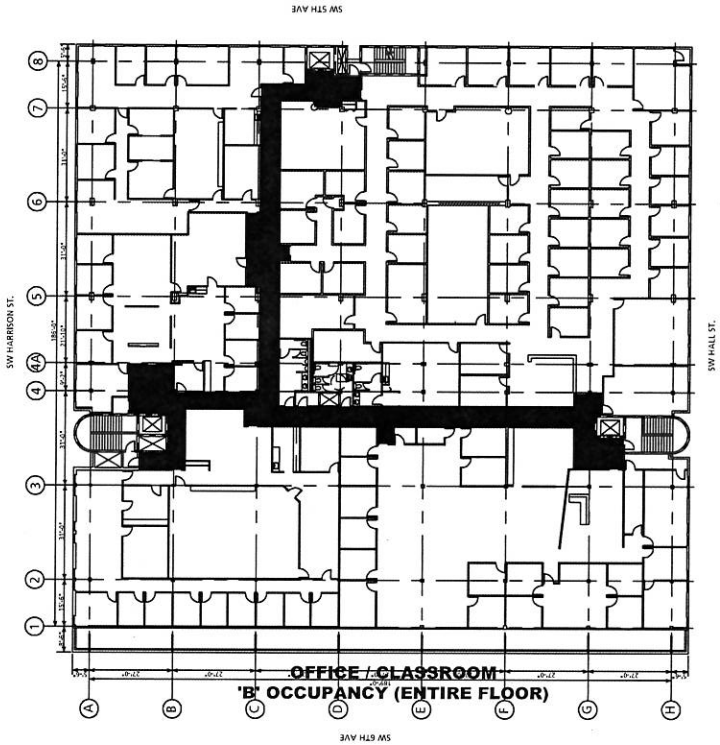
PROJECT NO.	DATES
02021/03019	June 10, 2004

RECORD DRAWING

REGISTERED ARCHITECT JAMES E. CLARK JR. PORTLAND, OREGON STATE OF OREGON

SHEET
A0.2c
4 OF 8



1 **LIFE SAFETY PLAN - FOURTH FLOOR**
1/16" =1'-0"

N

LIFE SAFETY PLANS
SHEET TITLE

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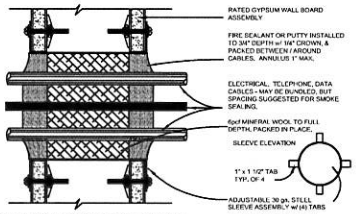
RECORD DRAWING

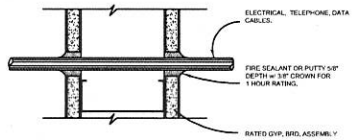
REGISTERED ARCHITECT · JAMES T. CLARK JR. · PORTLAND, OREGON · STATE OF OREGON

SHEET
A0.2d
5 OF 8

ONE HOUR CONSTRUCTION



5 **ELECTRICAL CABLES - GYP. BRD. WALL** UL #1479 SYSTEM W-L-3025
WGEN1HRB.dwg / (NOT TO SCALE) date: 9/23/96 STI DRAWING #DS1018



1 **ELECTRICAL CABLE - GYP. BRD. WALL** UL #1479, SYS. # W-L-3024
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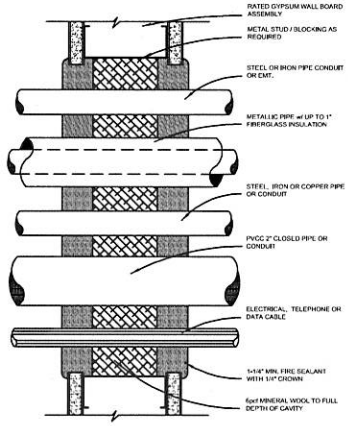
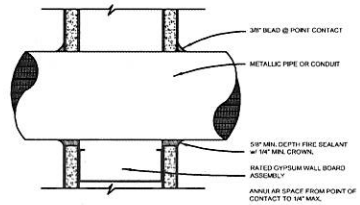
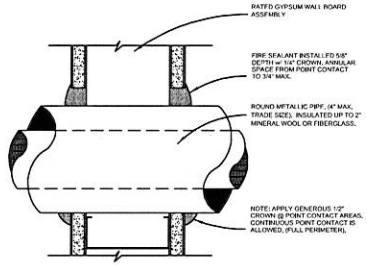


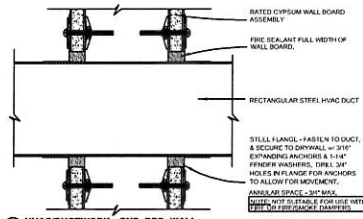
6 **MULTIPLE PENETRANTS - GYP. BOARD. WALL** UL #1479 SYSTEM W-L-5003
WGMMHRA.dwg / (NOT TO SCALE) date: 9/23/96 STI DRAWING #DS1053



2 **PIPE/CONDUIT - GYP. BRD. WALL** UL #1479, SYS. # W-L-1049
WGPMHRB.dwg / (NOT TO SCALE) date: 9/23/96 STI DRAWING #DS1032



3 **INSUL. METAL PIPE - GYP. BRD. WALL** UL #1479 SYSTEM W-L-5014
WGPMHRF.dwg / (NOT TO SCALE) date: 9/23/96 STI DRAWING #DS1055



4 **HVAC/DUCTWORK - GYP. BRD. WALL** UL #1479 SYSTEM W-L-1049
WGDMHRA.dwg / (NOT TO SCALE) date: 9/23/96 STI DRAWING #LJ2011

RATED PARTITIONS PENETRATION DETAILS

SHEET TITLE

Student Health & Counseling Center Dental Care Suite

Portland State University

C L A R K ⊕ K J O S

CLARK/KJOS ARCHITECTS
333 N.W. 5th Avenue Portland, OR 97209
Phone: 503/224-4848 Fax: 503/224-7116

PROJECT NO.	DATES
02021/03019	June 10, 2004

RECORD DRAWING

THE PLANS, SPECIFICATIONS AND REPORTS AS INSTRUMENTS OF SERVICE, IS THE PROPERTY OF CLARK/KJOS ARCHITECTS (CONSULTANTS). WHILE THEY ARE THE PROPERTY OF THE CLIENT, CLARK/KJOS ARCHITECTS ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE ELECTRONIC DRAWING OR FILE AND DEPICTS THE CONDITIONS AS KNOWN TO THE DESIGNER AT THE TIME THE DRAWING WAS PREPARED AS A RESULT OF SUCH DEPICTION, THE CLIENT AGREES TO HOLD CLARK/KJOS ARCHITECTS HARMLESS FOR ANY ALTERATIONS MADE BY OTHERS TO THE DRAWING AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE DRAWING AS ALTERED.

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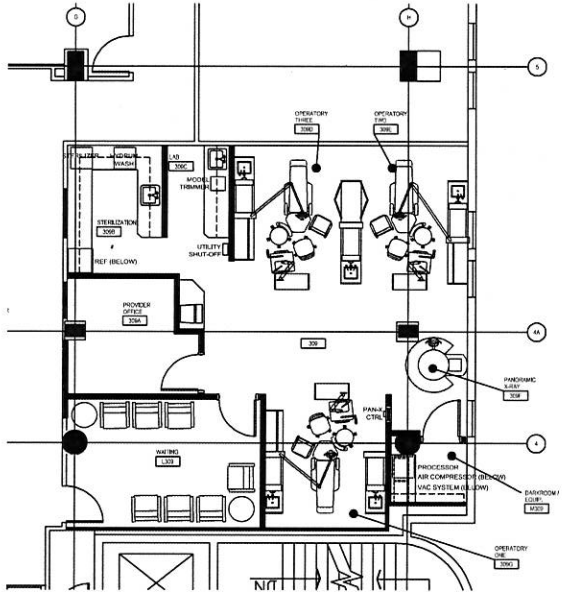
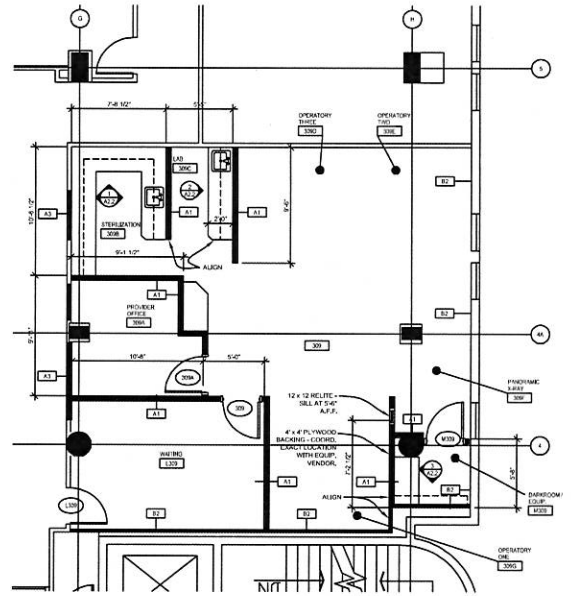
SHEET

A0.3



2 **EQUIPMENT PLAN**
1/4" = 1'-0"



1 **FLOOR PLAN**
1/4" = 1'-0"

LEGEND

NOTE:
1. For top of wall details and height of gyp. board on walls, see flagged details and legend below.
2. Wall types and materials, see Floor Plans.

- Existing suspended lay-in acoustical ceiling to remain. Paint existing grid and install new acoustic panels.
- (1-Hour) Suspended 5/8" type 'X' gypsum board ceiling. U.N.O.
- AC-1 "Standard" Acoustical Panel Ceiling.
- AC-2 "Architectural" Acoustical Panel Ceiling.
- ATG-1 Acoustical Tile Ceiling.
- See gyp. bd. list above without glue on tile.
- 2 x 4 direct-in fixture.
- Recessed down-light.
- Directional down-light.
- Wall mounted fixture.

RETURN SUPPLY

- Mechanical duct/outlet (return and supply) and other equipment- See Mechanical drawings.
- 24" Square access panel with glue-on tile. # indicates inches/side.
- Cont. wall mounted lighting.
- Curtain track.
- 9'-0" Ceiling height above finished floor.
- 1-HOUR 1-Hour fire rating of ceiling.
- SP Existing sprinkler head to remain. Protect from damage, reconfigure as required for new ceiling.

GENERAL NOTES

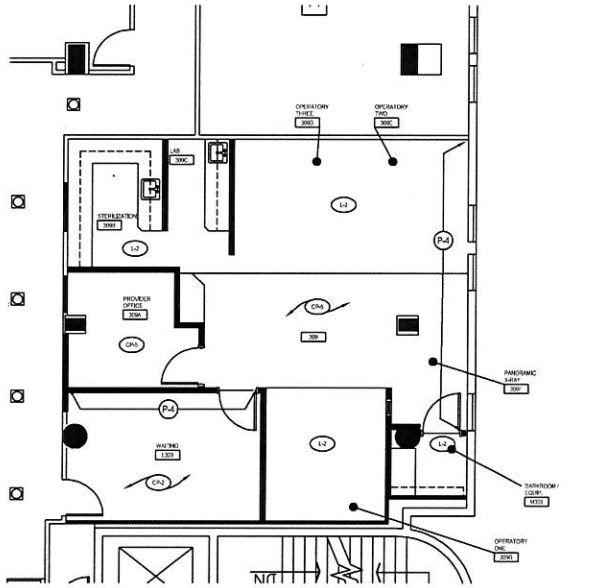
A. See Electrical and Mechanical plans for locations of fixtures and equipment.
B. Install blocking and backing for all window covering tracks.
C. Existing Building: Remove existing ceilings where new ceilings are shown to be installed.

GENERAL NOTES

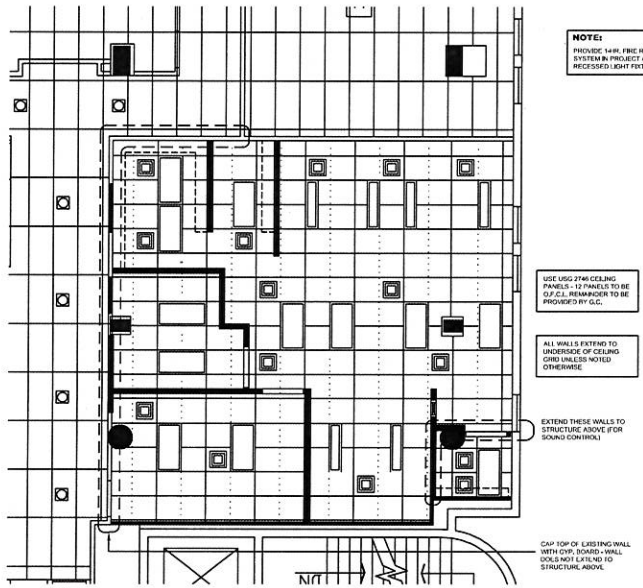
A. All dimensions are to face of studs unless otherwise noted.
B. Coordinate location of in-wall items to avoid back to back installation.
C. Contractor to install backing for all wall mounted items including but not limited to the following: Door stops, light fixtures, wall cabinets, shelves, counters, bath and toilet accessories, access panels, hand and guardrails, and window covering tracks.
D. Dental equipment vendor will field locate all backing, blocking, utility rough-in locations. Following wall framing, prior to installation of any utilities, coordinate vendor meeting for rough-in locations.

LEGEND

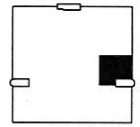
- EXISTING WALL
- NEW WALL
- 306D DOOR NUMBER
- A1 WALL TYPE - SEE SHEET A2.2



4 **FINISH PLAN**
1/4" = 1'-0"



3 **CEILING PLAN**
1/4" = 1'-0"



KEYPLAN

PARTIAL THIRD FLOOR PLANS

SHEET TITLE

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CLARK/KJOS

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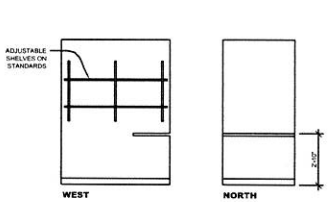
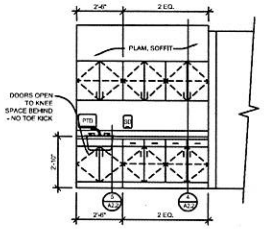
RECORD DRAWING

REGISTERED ARCHITECT JAMES L. CLARK JR. PORTLAND, OREGON STATE OF OREGON

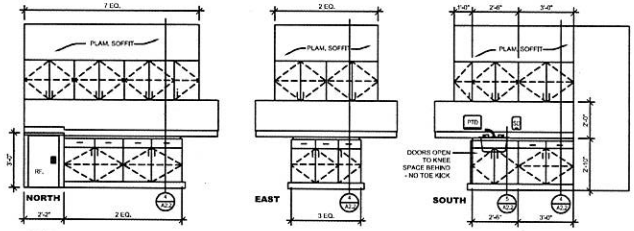
SHEET **A2.1**



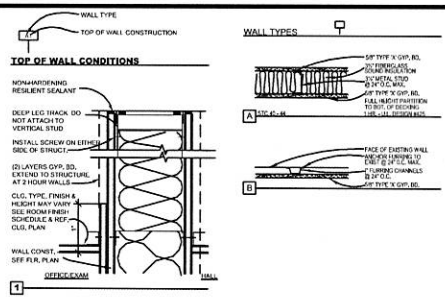
3 **DARKROOM/ STORAGE**
3/8"=1'-0"



2 **LAB**
3/8"=1'-0"



1 **STERILIZATION**
3/8"=1'-0"



GENERAL NOTES

A. Cabinetmaker shall coordinate with other trades, vendors and owner for items installed in and around cabinetry.

B. GROMMETS AND ELECTRICAL OUTLETS; Install grommets in countertops for all under-counter outlets as follows:
1 1/2" dia. grommet for up to 2 outlets,
2 1/2" dia. grommet for up to 4 outlets.

C. See sheet A9.2 A9.3 for typical cabinetry construction details.

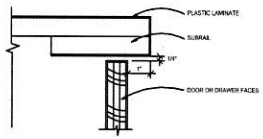
D. See F-drawings for callouts of interior finishes.

E. Cabinets with "I" designation at drawing means file drawer.

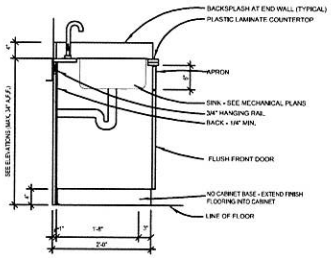
F. Coordinate mounting heights for all signage, equipment and fixtures with details 5 and 9, sheet A9.2. Provide plywood backing for all paper towel dispensers.

LEGEND

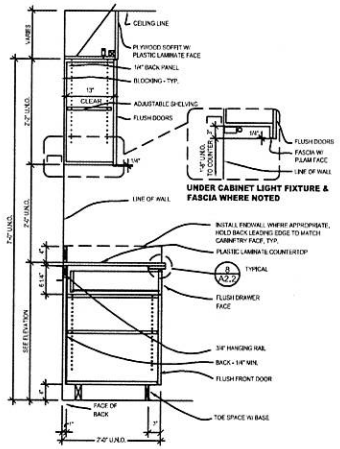
P-1	Finish Material - See room finish schedule
	O.F.O.I - Equipment / Accessories
	O.F.C.I - Equipment / Accessories
	C.F.C.I - Equipment / Accessories



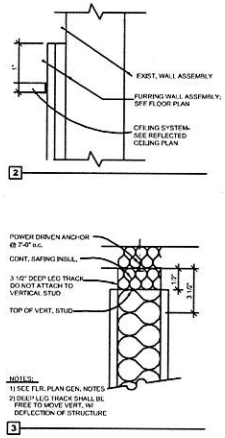
8 **TYPICAL COUNTER EDGE**
6" = 1'-0"
D-Csq

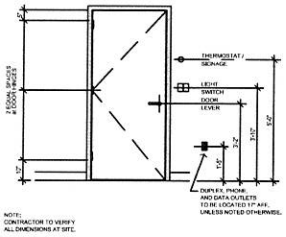


5 **OPEN-BASE SINK CABINET**
1" = 1'-0"
D-ADASink

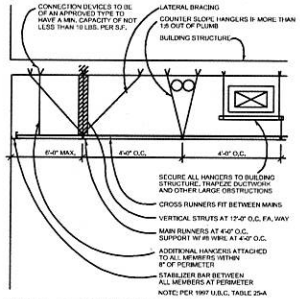


4 **TYPICAL CABINET DETAIL**
1" = 1'-0"
D-CABBAS

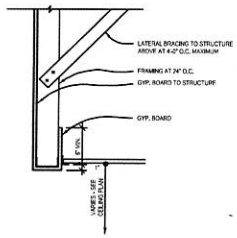




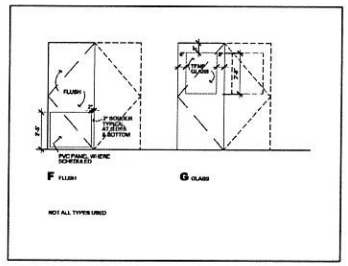
9 **STANDARD MOUNTING HEIGHTS**
1/2" = 1'-0"
D-Dstds



6 **SUSP. CEILING BRACING**
3" = 1'-0"
D-Clatbr



7 **SOFFIT**
1-1/2" = 1'-0"
D-Csoff



INTERIOR ELEVATIONS, SCHEDULES, DETAILS
SHEET TITLE

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Portland State University

CLARK⊕KJOS

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SHEET

A2.2

8 OF 8

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	LTG	LIGHTING
A	AMPERE (AMP)	LV	LOW VOLTAGE
ALT	ALTERNATE	MATV	MASTER ANTENNA TELEVISION
ARCH	ARCHITECT / ARCHITECTURAL	MCA	MINIMUM CIRCUIT AMPS
ATS	AUTOMATIC TRANSFER SWITCH	MCB	MAIN CIRCUIT BREAKER
CB	CIRCUIT BREAKER	MCC	MOTOR CONTROL CENTER
C	CONDUIT	MDP	MAIN DISTRIBUTION PANEL
CCTV	CLOSED CIRCUIT TELEVISION	MECH	MECHANICAL
CKT	CIRCUIT	MLO	MAIN LUGS ONLY
CLG	CEILING	MTS	MANUAL TRANSFER SWITCH
CT	CURRENT TRANSFORMER	NIC	NOT IN CONTRACT
DN	DOWN	NL	NIGHT LIGHT CIRCUIT
EMERG	EMERGENCY	PA	PUBLIC ADDRESS
EMT	ELECTRIC METALLIC TUBING	PC	PHOTO ELECTRIC CELL
EP	EXPLOSION PROOF	PF	POWER FACTOR
EPO	EMERGENCY POWER OFF	PNL	PANELBOARD
EWC	ELECTRIC WATER COOLER	PVC	POLYVINYL CHLORIDE CONDUIT
FA	FIRE ALARM	PWR	POWER
FACP	FIRE ALARM CONTROL PANEL	SACP	SECURITY ALARM CONTROL PANEL
FLA	FULL LOAD AMPS	SDP	SUB-DISTRIBUTION PANEL
FLUOR	FLUORESCENT	STR	STARTER
GFI	GROUND FAULT INTERRUPTER	SV	SOLENOID VALVE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SW	SWITCH
GRC	GALVANIZED RIGID CONDUIT	TP	TAMPERPROOF
GRD	GROUND	TTB	TELEPHONE TERMINAL BOARD
HP	HORSEPOWER	TTC	TELEPHONE TERMINAL CABINET
HPS	HIGH PRESSURE SODIUM	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
HV	HIGH VOLTAGE	TYP	TYPICAL
HZ	HERTZ	UG	UNDERGROUND
IG	ISOLATED GROUND	UPS	UNINTERRUPTABLE POWER SUPPLY
KW	KILOWATT	V	VOLTAGE
KWH	KILOWATT HOUR	VA	VOLT AMPERES
KV	KILOVOLT	VP	VAPOR PROOF
KVA	KILOVOLT AMP	W	WATTS
KVAR	KILOVOLT AMPS REACTIVE	WP	WEATHER PROOF
LA	LIGHTNING ARRESTOR	XFMR	TRANSFORMER
		XFSW	TRANSFER SWITCH

LIGHTING

- CEILING LUMINAIRE: SURFACE, RECESSED
- CEILING LUMINAIRE: PENDANT MOUNTED
- WALL LUMINAIRE: SURFACE, RECESSED
- WALL WASHER: SURFACE, RECESSED
- TRACK WITH HEADS LOCATED
- FLUORESCENT LUMINAIRE: SURFACE, RECESSED
- FLUORESCENT LUMINAIRE: WALL MOUNTED
- FLUORESCENT LUMINAIRE: INDUSTRIAL
- POLE MOUNTED LIGHT
- DESIGNATES LIGHT ON EMERGENCY CIRCUIT
- EXIT LIGHT: CEILING, WALL (ARROWS AS SHOWN)
- BOLLARD
- EMERGENCY BATTERY LIGHT: HEADS AS SHOWN
- WALL SWITCH: 1 POLE, 2 POLE
- WALL SWITCH: 3 WAY, 4 WAY
- WALL SWITCH: DIMMING
- WALL SWITCH: LOW VOLTAGE, PILOT
- WALL SWITCH: KEY LOCK, MOMENTARY
- SWITCH: MANUAL MOTOR SWITCH WITH THERMAL OVERLOAD
- OCCUPANCY SENSOR: INFRARED, ULTRASONIC
- DESIGNATES LUMINAIRE TYPE (SEE LUMINAIRE SCHEDULE)

SYMBOLS

- XXXX / 123 EQUIPMENT DESIGNATOR SEE SCHEDULE.
- (E) EXISTING TO REMAIN
- (X) EXISTING TO BE REMOVED
- (R) EXISTING TO BE RELOCATED
- (N) NEW
- (1) SHEET NOTE

POWER

- WALL RECEPTACLE: SINGLE, DUPLEX, EMERGENCY, 4-PLEX
- WALL RECEPTACLE: EMERGENCY, 4-PLEX
- CEILING RECEPTACLE: DUPLEX
- DENOTES RECEPTACLE ABOVE COUNTER
- SPECIAL PURPOSE OUTLET AS NOTED, EMERGENCY
- CLOCK HANGER RECEPTACLE
- POKE THRU, ABOVE FLOOR PEDESTAL: POWER, COMBINATION, SIGNAL. SEE DETAIL DE4.1.
- POKE THRU, ABOVE FLOOR PEDESTAL: FUTURE SIGNAL, POWER WITH FLEX CONDUIT/FUTURE SIGNAL. SEE DETAIL 1/DE4.1.
- SURFACE OUTLET STRIP: DIMENSION AS SHOWN
- TELEPOWER POLE, POWER, COMBINATION
- JUNCTION BOX
- DISCONNECT SWITCH: FUSED, NON-FUSED
- MOTOR STARTER: MAGNETIC, COMBINATION
- MOTOR CONNECTION
- CONTACTOR, RELAY, SOLENOID
- PUSH BUTTON STATION
- GROUND BAR
- WIRING CONCEALED IN CEILING OR WALL
- WIRING CONCEALED IN FLOOR OR UNDERGROUND
- HOME RUN DESTINATION SHOWN
- CONDUIT ELL: UP, DN.

NOTE

THIS IS A STANDARD LEGEND SHEET, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

EQUIPMENT

- ELECTRICAL EQUIPMENT
- PANELBOARD: SURFACE, RECESSED
- CABINET: SURFACE, RECESSED
- TRANSFORMER
- EQUIPMENT WITH GROUND
- CURRENT TRANSFORMER
- CABLE TRAY
- EMERGENCY GENERATOR

SIGNAL

- WALL OUTLET: TELEPHONE, DATA
- WALL OUTLET: MOUNT AT 54" AFF.
- WALL OUTLET: COMBINATION TELEPHONE/DATA
- DENOTES OUTLET ABOVE COUNTER
- CCTV CAMERA
- SYSTEM CLOCK: WALL, CEILING
- WALL OUTLET: TELEVISION
- SPEAKER: WALL, CEILING
- VOLUME CONTROL: WALL, CEILING

ONE LINE

- CIRCUIT BREAKER
- SWITCH, FUSED SWITCH
- BUSS
- AUTOMATIC SWITCH
- METER
- PANEL
- FEEDER CALLOUT

FIRE ALARM

- FIRE SMOKE DAMPER
- SPRINKLER SYSTEM SWITCH: FLOW, TAMPER
- MANUAL FIRE ALARM STATION
- SMOKE DETECTOR
  - P=PHOTOELECTRIC
  - I=IONIZATION
  - AB=PHOTOELECTRIC WITH AUDIBLE BASE
  - R=RELAY BASE, 2 AMP SPOT
- PHOTOELECTRIC DUCT DETECTOR
  - P=PHOTOELECTRIC
  - I=IONIZATION
  - PR=PHOTOELECTRIC WITH RELAY, 2 AMP SPOT
  - IR=IONIZATION WITH RELAY, 2 AMP SPOT
- THERMAL DETECTOR
  - RC=135T RATE COMPENSATED
  - ROR=135T FIXED/RATE OF RISE
  - ROR2=190T FIXED/RATE OF RISE
  - F135=135T FIXED
  - F190=190T FIXED
- RELAY/CONTROL MODULE
- MONITOR MODULE, SINGLE INPUT
- MONITOR MODULE, DUAL INPUT
- SYNCH MODULE
- AUDIBLE/VISUAL, # INDICATES CANDELA
- AUDIBLE, BELL
- VISUAL, # INDICATES CANDELA
- FIRE ALARM CONTROL PANEL
- FIRE ALARM SIGNAL ANNUNCIATOR
- SURGE SUPPRESSOR
- NAC POWER SUPPLY
- DIGITAL ALARM COMMUNICATOR
- BEAM DETECTOR

NURSE CALL

- NURSE CALL TOILET/DRESSING STATION: CORD
- NURSE CALL DOME LIGHT, WHITE, RED
- NURSE CALL MASTER
- NURSE CALL BEDSIDE
- NURSE CALL STATION: NURSE DUTY
- NURSE CALL STATION: NURSE EMERGENCY
- NURSE CALL 2ONE DOME LIGHT, WHITE
- NURSE CALL ZONE DOMELESS CONTROLLER

SECURITY

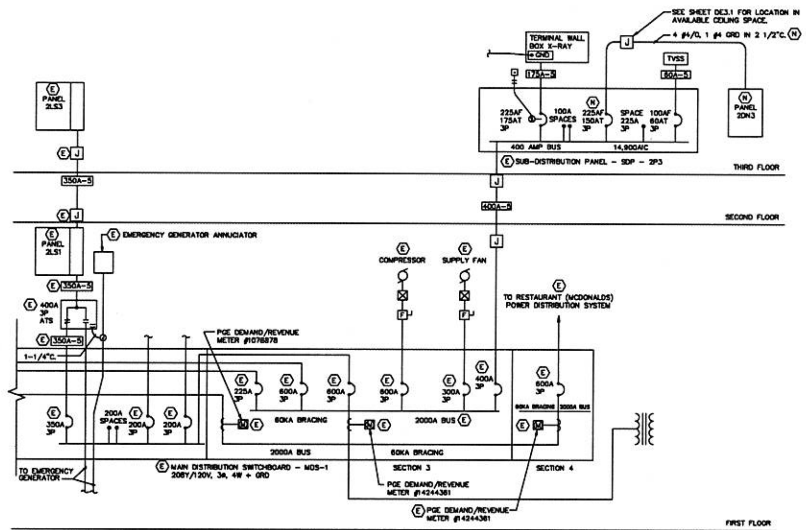
- SECURITY CONTROL ALARM PANEL
- CARD READER
- ELECTRONIC DOOR LATCH
- MAGNETIC DOOR CONTACT
- LOCAL AUDIBLE SECURITY ALARM
- REQUEST TO EXIT
- MAGNETIC DOOR HOLD
- MOTION DETECTOR

GENERAL NOTES

1. SOLID LINES (N)=NEW
2. SCREENED LINES (E)= EXISTING TO REMAIN
3. DASHED LINES(R)=REMOVE
4. ALL ELECTRICAL EQUIPMENT, SWITCHBOARD, PANELBOARDS, TRANSFORMERS, ETC. SHALL BE CONSTRUCTED TO MEET SEISMIC ZONE 3 RATING STANDARDS PER STATE AND LOCAL CODES.
5. ALL ELECTRICAL EQUIPMENT, PANELS, ETC. SHALL BE RATED FOR SEISMIC 4.
6. VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.

PANEL SCHEDULE NOTES

- (E) = EXISTING CIRCUIT BREAKER TO REMAIN.
- (R) = EXISTING CIRCUIT BREAKER TO BE REUSED FOR NEW LOAD.
- (N) = NEW CIRCUIT BREAKER.
- (D) = EXISTING LOAD TO BE REMOVED. EXISTING CIRCUIT BREAKER TO REMAIN AS SPARE.
- (M) = EXISTING LOAD AND EXISTING CIRCUIT BREAKER TO BE RELOCATED FROM EXISTING PANEL 'PC' TO EXISTING PANEL 'S'.



1 PARTIAL ONE-LINE DIAGRAM - ELECTRICAL

NONE

EXISTING PANEL

PANEL: 2LS3 — LOCATION: THIRD FLOOR — FED FROM: BUS-2LS1 — OC DEVICE TYPE: Breaker — DEVICE FAMILY: Bolt On — ENCLOSURE: NEMA 1 — MOUNTING: Flush — VOLTAGE: 208/120 — MAINS(A): 100 — WIRING: 3-Phase 4-Wire — BUS RATING(A): 100 — WITHSTAND(A): 22000 — FAULT CURRENT(A): 11777

CKT	DESCRIPTION	NOTES	DEMAND CODE	VA	OC AMPS P	PHASE	OC AMPS P	VA	DEMAND CODE	NOTES	DESCRIPTION	CKT
1	3RD FLR TTB	(E)	RECEPTACLES	360	20 1	A	20 1	280	LIGHTING - N	(E)	CORR3RD FLR V308	2
3	3RD FLR TTB	(E)	RECEPTACLES	360	20 1	B	20 1	200	GENERAL LOAD	(E)	SECURITY PNL 3RD FLR	4
5	DENTAL EMERGENCY	(N)	LIGHTING - E	410	20 1	C	20 1	0	SPARE	(E)	SPARE	6
7	SPARE	(E)	SPARE	0	20 1	A	20 1	180	HVAC SYSTEMS	(E)	ACU-2 / CP-2	8
9	SPARE	(E)	SPARE	0	20 1	B	20 2	2288	HVAC SYSTEMS	(E)	ACC-2	10
11	SPARE	(E)	SPARE	0	20 1	C	**	-		(E)	**	12
13	SPARE	(E)	SPARE	0	20 1	A	20 1	0	SPARE	(E)	SPARE	14
15	SPARE	(E)	SPARE	0	20 1	B	20 1	0	SPARE	(E)	SPARE	16
17	SPARE	(E)	SPARE	0	20 1	C	20 1	0	SPARE	(E)	SPARE	18
19	SPARE	(E)	SPARE	0	20 1	A	20 1	0	SPARE	(E)	SPARE	20
21	SPARE	(E)	SPARE	0	20 1	B	20 1	0	SPARE	(E)	SPARE	22
23	SPARE	(E)	SPARE	0	20 1	C	20 1	0	SPARE	(E)	SPARE	24
25	SPARE	(E)	SPARE	0	20 1	A	20 1	0	SPARE	(E)	SPARE	26
27	SPARE	(E)	SPARE	0	20 1	B	20 1	0	SPARE	(E)	SPARE	28
29	SPARE	(E)	SPARE	0	20 1	C	20 1	0	SPARE	(E)	SPARE	30
31						A						32
33						B						34
35						C						36
37						A						38
39						B						40
41						C						42

ALL CONNECTED — KVA / AMPS: TOTAL CONNECTED 4.01 / 11.1; TOTAL DEMAND 4.01 / 11.1; TOTAL DESIGN 4.22 / 11.7. PHASE TOTALS VA / AMPS: A-N 820.0 / 6.8; B-N 1827.5 / 15.2; C-N 1534.1 / 12.8. BUS TOTALS KVA: CONNECTED 4.01; DEMAND 4.01; DESIGN 4.22. DATE: Jul 30, 2003 TIME: 08:41:29

EXISTING PANEL

PANEL: SDP-2P3 — LOCATION: THIRD FLOOR — FED FROM: SECT. 1 — OC DEVICE TYPE: Breaker — DEVICE FAMILY: Bolt On — ENCLOSURE: NEMA 1 — MOUNTING: Surface — VOLTAGE: 208/120 — MAINS(A): MLO — WIRING: 3-Phase 4-Wire — BUS RATING(A): 400 — WITHSTAND(A): 22000 — FAULT CURRENT(A): 14901

CUBICLE NO	DESCRIPTION	CONNECTED kVA	DEMAND kVA	DESIGN kVA	DESIGN AMPS	OC DEVICE TRIP SIZE	NOTES
1	XRAY	50.00	50.00	50.00	138.79	(E) 175	SHUNT TRIP
2	SPACE	0.00	0.00	0.00	0.00	(E) 100	100 AMP SPACE
3	SPACE	0.00	0.00	0.00	0.00	(E) 100	100 AMP SPACE
4	BUS-2DN3	34.39	28.31	28.60	79.40	(E) 225	225 AMP SPACE
5	SPACE	0.00	0.00	0.00	0.00	(E) 225	225 AMP SPACE
6	TVSS	0.00	0.00	0.00	0.00	(E) 60	
7							
8							

ALL CONNECTED — KVA / AMPS: TOTAL CONNECTED 81.33 / 225.7; TOTAL DEMAND 75.54 / 209.7; TOTAL DESIGN 75.85 / 210.5. PHASE TOTALS VA / AMPS: A-N 27109.8 / 225.7; B-N 27109.8 / 225.7; C-N 27109.8 / 225.7. BUS TOTALS KVA: CONNECTED 81.33; DEMAND 75.54; DESIGN 75.85. DATE: Jul 29, 2003 TIME: 09:05:06

NEW PANEL

PANEL: 2DN3 — LOCATION: THIRD FLOOR — FED FROM: BUS-SDP-2P3 — OC DEVICE TYPE: Breaker — DEVICE FAMILY: Bolt On — ENCLOSURE: NEMA 1 — MOUNTING: Flush e — VOLTAGE: 208/120 — MAINS(A): MLO — WIRING: 3-Phase 4-Wire — BUS RATING(A): 225 — WITHSTAND(A): 10000 — FAULT CURRENT(A): 7820

CKT	DESCRIPTION	NOTES	DEMAND CODE	VA	OC AMPS P	PHASE	OC AMPS P	VA	DEMAND CODE	NOTES	DESCRIPTION	CKT
1	DENTAL LAB	(N)	LIGHTING - N	806	20 1	A	20 1	600	RECEPTACLES	(N)	PATIENT CHAIRS 1A	2
3	STERILIZER 309B	(N)	RECEPTACLES	900	20 1	B	20 1	600	RECEPTACLES	(N)	PATIENT CHAIRS 1B	4
5	STERILIZER 309B	(N)	RECEPTACLES	360	20 1	C	20 1	600	RECEPTACLES	(N)	PATIENT CHAIRS 1C	6
7	PROVIDER OFFICE 309A	(N)	RECEPTACLES	540	20 1	A	20 1	1800	RECEPTACLES	(N)	12 OCLOCK REAR CAB 4	8
9	PROVIDER OFFICE 309A	(N)	RECEPTACLES	540	20 1	B	20 1	1800	RECEPTACLES	(N)	12 OCLOCK REAR CAB 4	10
11	WAITING L309	(N)	RECEPTACLES	540	20 1	C	20 1	1800	RECEPTACLES	(N)	12 OCLOCK REAR CAB 4	12
13	LAB 309C	(N)	RECEPTACLES	360	20 1	A	20 1	1500	RECEPTACLES	(N)	SIDE CABINET 5A	14
15	SAFE LIGHT	(N)	LIGHTING - N	240	20 1	B	20 1	1500	RECEPTACLES	(N)	SIDE CABINET 5B	16
17	FILM PROCESSOR	(N)	RECEPTACLES	960	20 1	C	20 1	1500	RECEPTACLES	(N)	SIDE CABINET 5C	18
19	STERILIZER	(N)	RECEPTACLES	1320	20 1	A	20 1	1500	RECEPTACLES	(N)	SIDE CABINET 5D	20
21	HYDRUM INST WASHER	(N)	GENERAL	2080	20 2	B	20 1	1800	RECEPTACLES	(N)	CENTRAL DIVIDER	22
23	**	(N)		-	**	C	20 1	240	LIGHTING - N	(N)	WALL MT LGT	24
25	EF-2	(N)	HVAC SYSTEMS	1656	20 1	A	20 1	960	GENERAL	(N)	INTRA ORAL XRAY WALL	26
27	U/C REFRIG	(N)	RECEPTACLES	1500	20 1	B	20 1	960	GENERAL	(N)	INTRA ORAL XRAY CAB	28
29	LAB 308C MODEL TRIMS	(N)	RECEPTACLES	494	20 1	C	20 2	2080	GENERAL	(N)	PANORAMIC XRAY	30
31	DARK/EQUIP RM	(N)	RECEPTACLES	180	20 1	A	**	-		(N)	**	32
33	SPARE	(N)	SPARE	0	20 1	B	20 2	1498	GENERAL	(N)	AIR COMPRESSOR	34
35	SPARE	(N)	SPARE	0	20 1	C	**	-		(N)	**	36
37	SPARE	(N)	SPARE	0	20 1	A	20 2	1685	GENERAL	(N)	VACUUM SYSTEM	38
39	SPARE	(N)	SPARE	0	20 1	B	**	-		(N)	**	40
41	SPARE	(N)	SPARE	0	20 1	C	20 1				SPARE	42

ALL CONNECTED — KVA / AMPS: TOTAL CONNECTED 34.39 / 95.4; TOTAL DEMAND 28.31 / 78.6; TOTAL DESIGN 28.60 / 79.4. PHASE TOTALS: A-N; B-N; C-N [illegible]. BUS TOTALS: CONNECTED 34.39; DEMAND 28.31; DESIGN [illegible]. DATE: Jul 29, 2003 TIME: 09:05:05

DISCLAIMER

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LUMINAIRE SCHEDULE

F1 FLUORESCENT RECESSED PRISMATIC.
1. SIZE: 24" WIDE BY 3-11/16" DEEP BY 48" LONG NOMINAL.
2. LAMP: FLUORESCENT, THREE 32 WATT T8.
3. BALLAST: 120 VAC, ELECTRONIC.
4. MOUNTING: RECESSED.
5. FINISH: WHITE FINISH.
6. LENS: 0.125" THICK, #12 PATTERN ACRYLIC.
7. MANUFACTURER: LITHONIA 2SP8 SERIES, METALUX, LIGHTOLIER, DAYBRITE OR APPROVED.

F2 SAME AS TYPE F1 EXCEPT WITH TWO 32 WATT T8 LAMPS.

J1 FLUORESCENT RECESSED DIRECT/INDIRECT LUMINAIRE.
1. SIZE: 23-11/16" WIDE BY 48" LONG BY 5-1/2" DEEP NOMINAL.
2. LAMP: FLUORESCENT, ONE 54 WATT T5HO.
3. BALLAST: 120 VAC, ELECTRONIC.
4. MOUNTING: RECESSED.
5. FINISH: WHITE FINISH.
6. DIFFUSER: METAL DIFFUSER, ROUND HOLES.
7. MANUFACTURER: LITHONIA 2AV 154T5HO MDR SERIES, METALUX, LIGHTOLIER, DAYBRITE OR APPROVED.

ALTERNATE J1 - FLUORESCENT RECESSED DIRECT/INDIRECT LUMINAIRE.
1. SIZE: 23-11/16" WIDE BY 48" LONG BY 5-1/2" DEEP NOMINAL.
2. LAMP: FLUORESCENT, TWO F32 T8.
3. BALLAST: 120 VAC, ELECTRONIC.
4. MOUNTING: RECESSED.
5. FINISH: WHITE FINISH.
6. DIFFUSER: METAL DIFFUSER, ROUND HOLES.
7. MANUFACTURER: LITHONIA 2AV 232 MDR SERIES, METALUX, LIGHTOLIER, DAYBRITE OR APPROVED.

J3 FLUORESCENT RECESSED DIRECT/INDIRECT LUMINAIRE.
1. SIZE: 11-11/16" WIDE BY 48" LONG BY 5-1/2" DEEP NOMINAL.
2. LAMP: FLUORESCENT, ONE 54 WATT T5HO.
3. BALLAST: 120 VAC, ELECTRONIC.
4. MOUNTING: RECESSED.
5. FINISH: WHITE FINISH.
6. DIFFUSER: METAL DIFFUSER, ROUND HOLES.
7. MANUFACTURER: LITHONIA AV 154T5HO MDR SERIES, METALUX, LIGHTOLIER, DAYBRITE OR APPROVED.

ALTERNATE J3 - FLUORESCENT RECESSED DIRECT/INDIRECT LUMINAIRE.
1. SIZE: 11-11/16" WIDE BY 48" LONG BY 5-1/2" DEEP NOMINAL.
2. LAMP: FLUORESCENT, ONE 54 WATT T5HO.
3. BALLAST: 120 VAC, ELECTRONIC.
4. MOUNTING: RECESSED.
5. FINISH: WHITE FINISH.
6. DIFFUSER: METAL DIFFUSER, ROUND HOLES.
7. MANUFACTURER: LITHONIA AV 154T5HO MDR SERIES, METALUX, LIGHTOLIER, DAYBRITE OR APPROVED.

SHEET LIST

DE0.1	LEGEND AND ABBREVIATIONS - ELECTRICAL
DE1.1	THIRD FLOOR PLAN DEMOLITION
DE2.1	THIRD FLOOR PLAN LIGHTING
DE3.1	THIRD FLOOR PLAN POWER
DE4.1	ELECTRICAL DETAILS

CAPITOL ELECTRIC CO., INC.
11401 NE MARX
PORTLAND, OR 97220
(503) 255-9488
JOB #24-226

RECORD DRAWING
BY: [signature]
DATE:

REYES ENGINEERING, INC.
Professional Consulting Engineers
DENNIS D. HALL
6126 SE Duke St., Suite A
Portland, OR 97206
Tel (503) 771-3966
Fax (503) 775-2406
CONSULTANT

LEGEND AND ABBREVIATIONS ELECTRICAL
SHEET TITLE

Student Health Center / CAPS Facility

Portland State University

C L A R K / K J O S
CLARK/KJOS ARCHITECTS
333 N.W. 5th Avenue
Portland, OR 97209
Phone: 503/224-4848
Fax: 503/224-4116

PROJECT NO. 02039.1
DATES JULY 29, 2003

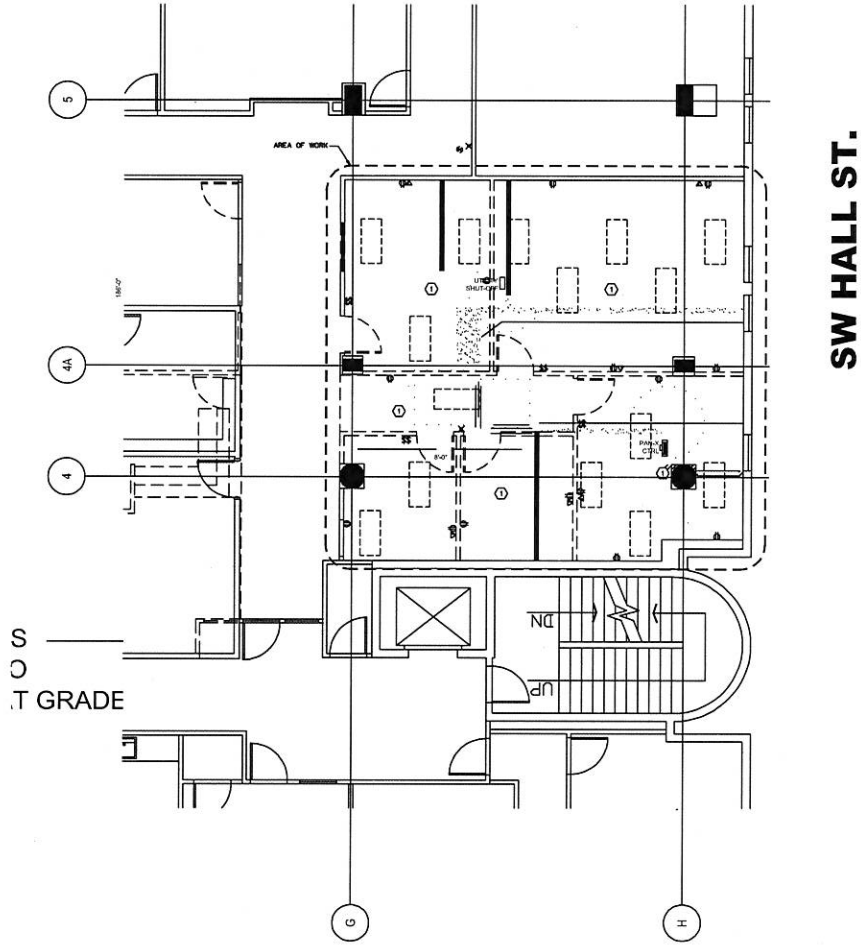
SHEET
DE0.1
OF 15

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL EXISTING DEVICES, EQUIPMENT, RECEPTACLES, SWITCHES, LUMINAIRES, CONDUIT, CONDUCTORS AND BOXES SHALL BE REMOVED COMPLETELY BACK TO PANEL.
2. SMOKE DETECTORS MAY BE REUSED IN REMODELLED AREAS. REMOVE ALL HORN/STROBES AND STROBES. MAIN FIRE ALARM SYSTEM SHALL
3. ALL SERVICE ENTERANCE FEEDERS (POWER, TELEPHONE) SHALL REMAIN. PROVIDE MEASURES TO PREVENT DAMAGE OF THESE FEEDERS DURING DEMOLITION.
4. SEQUENCE WORK WITH OWNER SUCH THAT AREAS TO REMAIN SHALL BE FULLY OPERATIONAL AND TO MINIMIZE DOWNTIME.
5. VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID.

SHEET NOTES

(1) REMOVE ALL ELECTRICAL LUMINAIRES ASSOCIATED WITH NEW DENTAL AREA AND RETURN TO OWNER.



1 THIRD FLOOR PLAN - DEMOLITION
1/4" = 1'-0"

CAPITOL ELECTRIC CO., INC.
11401 NE MARX
PORTLAND, OR 97220
(503) 255-9488
JOB #24-226

RECORD DRAWING
BY
DATE

REYES ENGINEERING, INC.
Professional Consulting Engineers
DENNIS D. HALL
8126 SE Duke St., Suite A
Portland, OR 97206
Tel: (503) 775-2096
Fax: (503) 775-2096

CONSULTANT

THIRD FLOOR PLAN DEMOLITION
SHEET TITLE

Student Health Center / CAPS Facility

Portland State University

CLARK/KJOS

CLARK/KJOS ARCHITECTS
333 N.W. 5th Avenue Portland, OR 97209
Phone: 503/224-4848 Fax: 503/224-7118

PROJECT NO.	DATES
02039.1	JULY 29, 2003
	SHEET
	DE1.1
	OF 15

DISCLAIMER

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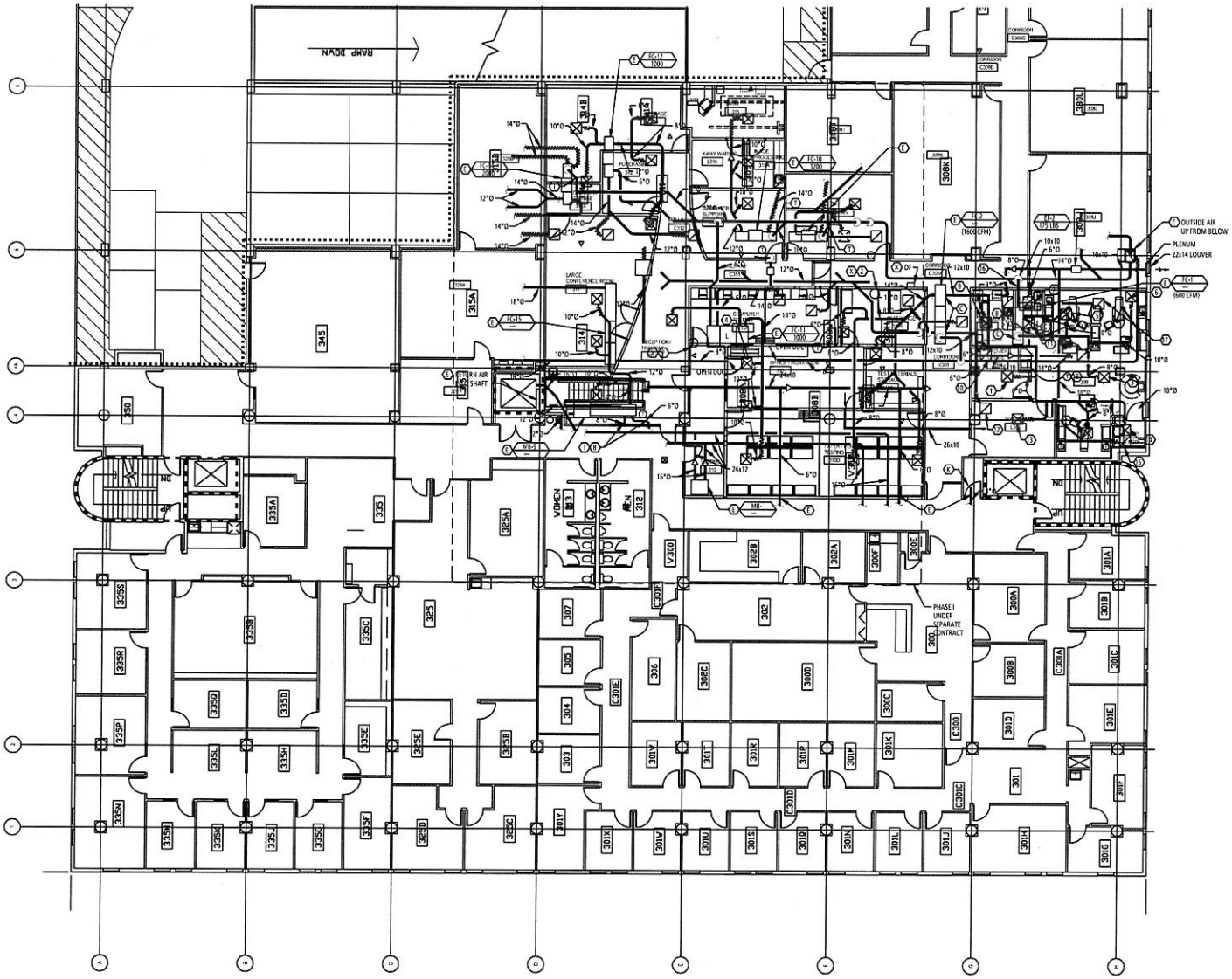
02039 E:\Staff\Facilities\Projects\140_UCB\1998-2008_UCB-Projects\2003UCB-Projects\382111-2003_UCB_Dental-Suite\05As-Built-2003_UCB_Dental02039DE11-2003_UCB_Dental-Suite.dwg 14 Aug 2012 - 8:56 am rindert
Xrefs: 2020389F3 TB02038



1 M2.3 THIRD FLOOR PLAN – HVAC
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL DIFFUSERS TO HAVE CEILING MOUNTED FD.

NOTES:

1. 75 C1
2. 200 C1
3. 150 C1
4. 200 C2
5. 225 C1
6. 225 C1
7. 75 C1
8. 200 C2
9. 180 C1
10. 75 C1
11. 70 C1
12. 200 C2
13. 100 C1
14. 250 C1
15. 200 C2
16. BALANCE TO 200 CFM
17. 200 C2
18. RELOCATE EXISTING THERMOSTAT.

TCM
Temp-Control Mechanical Corp
"Proud Of Our Work!"
RECORD DRAWING
DATE 4/29/04 PROJ. 6806

THIRD FLOOR PLAN - HVAC
SHEET TITLE

Student Health Center / Dental Care Suite

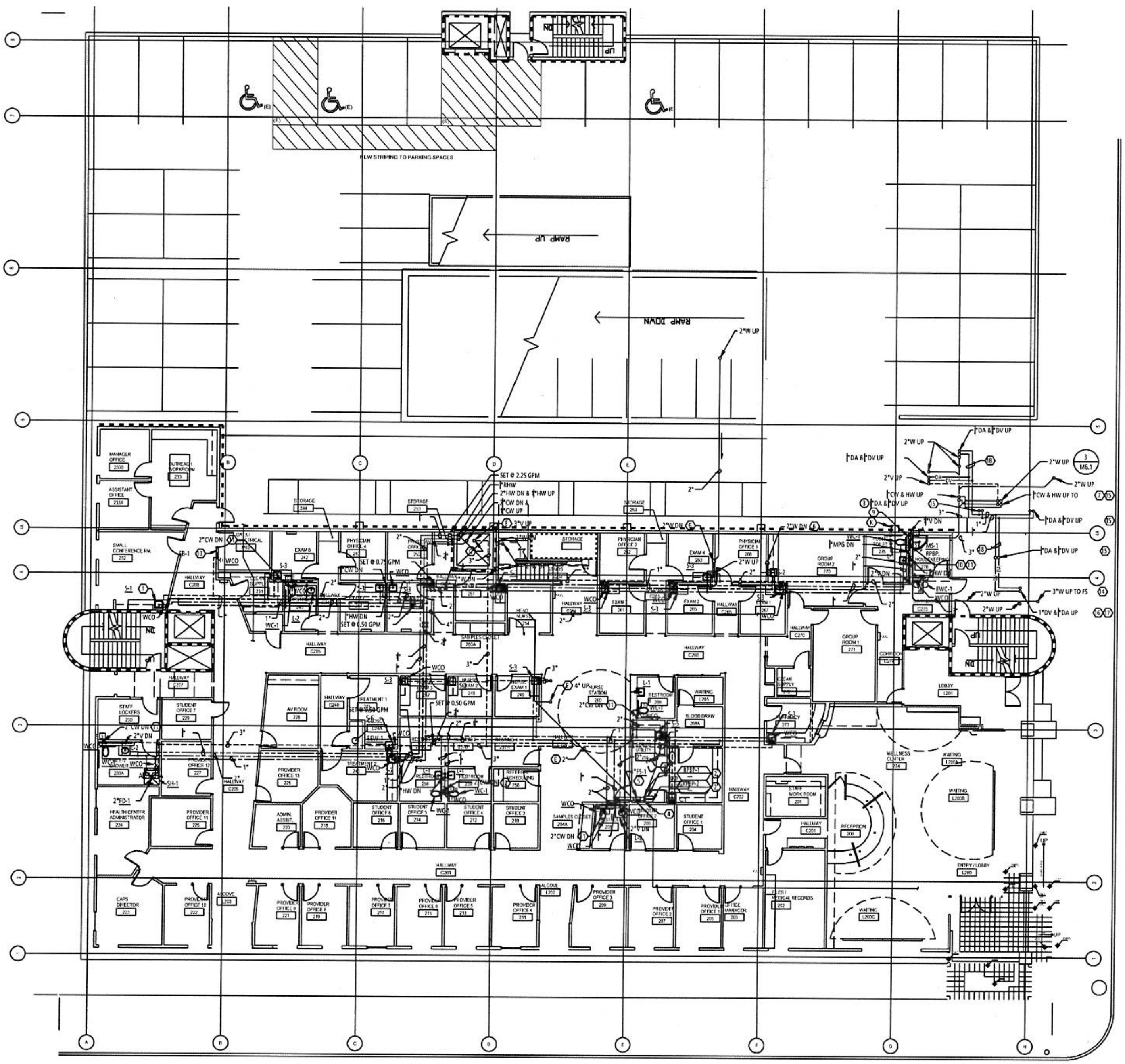
Portland State University

CLARK/KJOS

CLARK/KJOS ARCHITECTS
333 N.W. 5th Avenue Portland, OR 97209
Phone: 503224-8848 Fax: 503224-7116

PROJECT NO.	DATES
02021/03019	July 14, 2003

SHEET
DM2.3



1 SECOND FLOOR PLAN – PLUMBING

GENERAL NOTES:

1. VERIFY PIPE SIZING, VALVING, ROUTING, AND INSTALLATION WITH DENTAL EQUIPMENT VENDOR PRIOR TO INSTALLATION.
2. ROUTE ALL PIPING TIGHT TO STRUCTURE AND ABOVE DUCT WORK WHERE POSSIBLE.
3. COORDINATE MECHANICAL, ELECTRICAL AND PLUMBING IN STRATIFIED ZONES WITH DUCTING THE HIGHEST, PLUMBING RUNS MID-ZONE AND ELECTRICAL CONDUITS THE LOWEST. IN AREAS OF EXPOSED CEILING INSTALL SERVICES WITH A MINIMUM OF FITTINGS AND CONNECTIONS TO GIVE FINAL INSTALLATION A NEAT AND CLEAN APPEARANCE. SEE ARCHITECTURAL BUILDING SECTIONS FOR ADDITIONAL INFORMATION.

NOTES:

1. PROVIDE SEPARATE SUPPLY STOP AND SUPPLY TO FUTURE ICE MAKER MACHINE.
2. PROVIDE SHUTOFF VALVE IMMEDIATELY UPSTREAM OF RPBP AND SECURE DEVICE WITH STANDOFF CLAMPS FROM WALL. ROUTE INDIRECT DRAIN TO FS OR MOP BASIN.
3. ROUTE [illegible] HW DN TO RPBP-1. ROUTE [illegible] HW TO STERILIZER GENERATOR AND CONNECT PER MFG. RECOMMENDATION.
4. ROUTE [illegible] DN TO RPBP-2. ROUTE [illegible] TO STERILIZER CONDENSATE EXHAUST AND [illegible] CW TO WASTE WATER COOLING VALVE. CONNECT PER MFG. RECOMMENDATION.
5. CONNECT INDIRECT DRAINS FROM STERILIZER [illegible] LOW WATER CUTOFF DRAIN, 1" DRAIN LINE FROM PRV FROM JACKET, 1" DRAIN LINE FROM PRV FROM GENERATOR AND 2" WASTE OUTLET. ROUTE INDIRECT DRAINS TO FS WITH AIR GAP PER MFG. RECOMMENDATIONS.
6. ROUTE WASTE IN WALL AND DOWN TO AVOID BEAM CONFLICT BELOW.
7. PROVIDE SHUTOFF VALVE AND CAP FOR FUTURE SERVICE.
8. NOT USED.
9. 4"W DN. CONNECT TO AUXILIARY INLET OF CARRIER.
10. ROUTE 2" DN TO FULL SIZE HEADER. REDUCE END FIXTURE RUN OUTS PER FIXTURE SCHEDULE.
11. ROUTE [illegible] CW IN WALL LAV.
12. ROUTE [illegible] CW IN WALL TO LAVS.
13. LOCATE SERVICE WASTE BOX 26" FROM F.F. TO TOP OF STANDPIPE. SEE M2.2 FOR INDIRECT WASTE ROUTING.
14. PROVIDE HEAT TAPE ON TRAP AND TRAP PRIMER LINE.
15. TERMINATE ROUGH-IN OF [illegible] DA WITH [illegible] ANGLE STOP ABOVE FLOOR & [illegible] VACUUM LINE 3" ABOVE FINISHED FLOOR. SERVICE CONNECTION TO DENTAL EQUIPMENT BY VENDOR. COORDINATE EXACT ROUGH-IN LOCATION WITH VENDOR.
16. ROUTE 1"DV TO VACUUM PUMP AND TERMINATE WITH SHUT OFF AND CAP. COORDINATE EXACT CONNECTION LOCATION WITH EQUIPMENT VENDOR. FINAL SERVICE CONNECTION TO VACUUM PUMP BY VENDOR.
17. ROUTE [illegible] DA TO DENTAL AIR COMPRESSOR & TERMINATE WITH SHUTOFF VALVE [illegible] MALE IRON PIPE THREAD & CAP. COORDINATE EXACT CONNECTION LOCATION WITH EQUIPMENT VENDOR. SERVICE CONNECTION TO AIR COMPRESSOR BY VENDOR.
18. INSULATE ALL DA & DV PIPING WITHIN UNHEATED (GARAGE) SPACE.

TCM Temp-Control Mechanical Corp
"Proud Of Our Work!"
RECORD DRAWING
DATE 4/29/04 PROJ. 6806

SECOND FLOOR PLAN - PLUMBING

SHEET TITLE

Student Health Center / Dental Care Suite

Portland State University

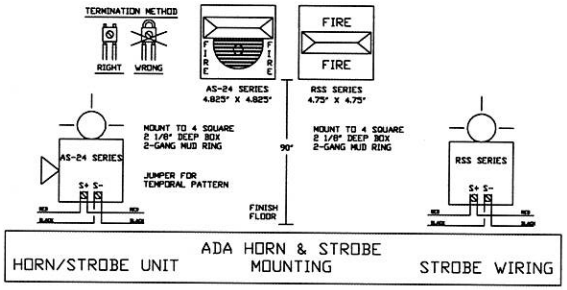
C L A R K / K J O S

CLARK/KJOS ARCHITECTS
333 N.W. 5th Avenue, Portland, OR 97209
Phone: 503/224-4848 Fax: 503/224-7116

PROJECT NO.	DATES
02021/03019	July 14, 2003

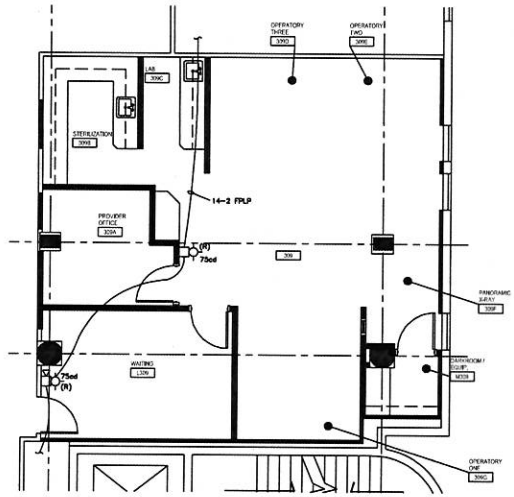
SHEET

DP2.2

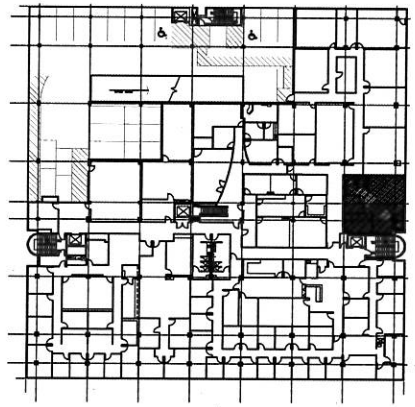


(R) HORN/STROBE, RELOCATED, WHEELOCK NS-2475W-FW

(R) STROBE, RELOCATED, WHEELOCK RSS-2475W-FW



FIRE ALARM PLAN
SCALE: 1/4" = 1'-0"



KEY PLAN
SCALE: NONE

RECORD DRAWING
BY: Dan Wilson
DATE:
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CAPITOL ELECTRIC CO., INC.
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PORTLAND OR. 97220
PHONE: (503) 255-9488 FAX: (503) 257-7121

DARRELL MC NEEL
OR SUPERVISORS:
LIC. 3032-S
WASH ADMIN LIC:
MCNEED*157LT

PORTLAND STATE UNIVERSITY
STUDENT HEALTH & COUNSELING CENTER DENTAL CARE SUITE
PORTLAND, OR

BID #:	
JOB #:	24-226
SCALE:	1/4"=1'
DATE:	3-01-04
DRAWN BY:	TWS
CHECKED BY:	DW
REVISIONS:	
	3-31-04

PSU FPI

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SHEET

FPI