APPENDABLE 2015 SEATTLE EXISTING BUILDING CODE (SEBC) SECTIONS AND
APPENDABLE 2015 INTERNATIONAL BUILDING CODE (IBC) WITH SEATTLE
AMENDMENTS (SEBC) SECTIONS

CHAPTER 3 PROVIDING FOR ALL COMPLIANCE METHODS

SECTION 301 COMPLIANCE METHODS

REPAIR, ALTERATION, CHANGE OF OCCUPANCY, ADDITION, OR RELOCATION OF ALL EXISTING BUILDINGS AND STRUCTURES SHALL COMPLY WITH ONE OF THE LISTED COMPLIANCE METHODS AND WITH SECTIONS 302, 303, & 304.

SECTION 301.1 PRESCRIPTIVE COMPLIANCE METHOD

COMPLY WITH CHAPTER 4 AND IFC

SECTION 301.2 WORK AREA COMPLIANCE METHOD

COMPLY WITH CHAPTERS 5 AND 7 THROUGH 13.

SECTION 301.3 PERFORMANCE COMPLIANCE METHOD

COMPLY WITH CHAPTER 14.

SECTION 302 ADDITIONAL REQUIREMENTS FOR ALL COMPLIANCE METHODS

302.1 ADDITIONAL REQUIREMENTS

REGARDLESS OF COMPLIANCE METHOD SELECTED, THE ALTERATIONS, ADDITIONS, REPAIRS AND CHANGES OF OCCUPANCY MUST ALSO COMPLY WITH THE PROVISIONS FOR THOSE ITEMS FOUND IN THE FOLLOWING CODES:

• INTERNATIONAL ENERGY CONSERVATION CODE
• INTERNATIONAL FIRE CODE
• INTERNATIONAL GAS CODE
• INTERNATIONAL MECHANICAL CODE (2010)
• UNIFORM PLUMBING CODE
• SEATTLE ELECTRICAL CODE (2011)

WHERE CONFLICTS OCCUR, THE IECC TAKES PRECEDENCE.

SECTION 303 ACCESSIBILITY FOR EXISTING BUILDINGS

303.1 SCOPE

APPLIES TO MAINTENANCE, CHANGE OF OCCUPANCY, ADDITIONS, AND ALTERATIONS TO EXISTING BUILDINGS, INCLUDING THOSE IDENTIFIED AS HISTORIC BUILDINGS.

303.2 ALTERTIONS

A FACILITY THAT IS ALTERED SHALL COMPLY WITH CHARTER 11 OF THE IBC UNLESS TECHNICALLY INFEASIBLE. ACHIEVING A CHARACTEISTIC THAT IS ALTERED AT THE MAXIMUM EXTENT TECHNICALLY FEASIBLE.

EXCEPTIONS:

1. THE ALTERED ELEMENT OR SPACE IS NOT REQUIRED TO BE ON AN EXIT ROUTE UNLESS REQUIRED BY SECTION 107.7
2. ACCESSIBLE MEANS OF EGRESS REQUIRED BY CHAPTER 10 OF THE IBC ARE NOT REQUIRED TO PROVIDE ALTERNATE FACILITIES.

303.3 ALTERNATIONS AFFECTING AN AREA CONTAINING A PRIMARY FUNCTION

WHERE AN ALTERTION AFFECTS THE ACCESSIBILITY TO, OR CONTAINS AN AREA OF PRIMARY FUNCTION, THE ROUTE TO THE PRIMARY FUNCTION ARE ACCESSIBLE.

EXCEPTIONS:


303.4 SCORING FOR ALTERATIONS

THE PROVISIONS OF SECTION 303.1 THRU 303.8.15 APPLY TO ALTERATIONS TO EXISTING BUILDINGS AND FACILITIES.

303.6 ENTRIES

ACCESSIBLE ENTRIES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1108 OF THE IBC.

EXCEPTIONS:

WHERE AN ALTERTION INCLUDES ENTRIES TO AN ENTRANCE AND THE FACILITY HAS AN ACCESSIBLE ENTRIES, THE ENTRANCE ALTERTION ARE NOT REQUIRED TO BE ACCESSIBLE, UNLESS REQUIRED BY SECTIONS 307.7.

CHAPTER 4 PRESCRIPTIVE COMPLIANCE METHOD

401.1 SCOPE

THE PROVISIONS OF THIS CHAPTER SHALL CONTROL THE ALTERATION, ADDITION AND CHANGE OF OCCUPANCY OF EXISTING BUILDINGS AND STRUCTURES.

401.2 EXISTING MATERIALS

MATERIALS ALREADY IN USE IN COMPLIANCE WITH REQUIREMENTS OR APPROVALS IN EFFECT AT THE TIME OF THEIR ERECTION OR INSTALLATION SHALL BE PERMITTED TO REMAIN IN USE UNLESS DETERMINED BY THE CODE OFFICIAL TO BE UNSAFE PER SECTION 301.14.

401.2.2 NEW OR REPLACEMENT MATERIALS

EXCEPT AS OTHERWISE REQUIRED OR PERMITTED BY THIS CODE, MATERIALS PERMITTED BY THE APPLICABLE CODE FOR NEW CONSTRUCTION MAY BE USED. LIKE MATERIATES MAY BE USED TO REPLACE MATERIALS THAT ARE NOT PERMITTED TO REPAIR, ALTERATION, CHANGE OF OCCUPANCY, ADDITIONS, OR RELOCATION OF ALL EXISTING BUILDINGS AND STRUCTURES.

SECTION 402 ALTERATIONS

402.1 GENERAL

EXCEPT AS OTHERWISE PROVIDED BY SECTION 401.2 OR THIS SECTION, ALTERATIONS TO ANY BUILDING OR STRUCTURAL SHALL COMPLY WITH THE REQUIREMENTS OF THE IBC FOR NEW CONSTRUCTION. ALTERATIONS SHALL BE SUCH THAT THE EXISTING BUILDING OR STRUCTURE IS NO LESS CONFORMING TO THE PROVISIONS OF THE IBC THAN THE EXISTING BUILDING OR STRUCTURE WAS PRIOR TO THE ALTERATION.

EXCEPTION:

1. WHERE CHANGES TO OFFICES, OUTPATIENT CLINIC OR MEDICAL OFFICES OCCUR ON A MULTI-TENANT FLOOR THAT CONTAINS NON-CONFORMING CORRIDORS, NEW TENANT WALLS ASSOCIATED WITH THE TENANT CHANGE NEED NOT MEET THE STANDARDS FOR ONE-HOUR CORRIDOR CONSTRUCTION, UNLESS THE PROJECT IS CONSIDERED A SUBSTANTIAL ALTERATION.

CHAPTER 5 CLASSIFICATION OF WORK

SECTION 504 ALTERATION - LEVEL 2

504.1 SCOPE

LEVEL 2 ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OF ANY ADDITIONAL EQUIPMENT.

504.2 APPLICATION

LEVEL 2 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 7 FOR LEVEL 1 ALTERATIONS AS WELL AS PROVISIONS OF CHAPTER 8.

APPENDABLE 2015 INTERNATIONAL BUILDING CODE (IBC) WITH SEATTLE AMENDMENTS (SEBC) SECTIONS

CHAPTER 10 MEANS OF EGRESS

TABLE 1004.1.2 MAXIMUM FLOOR AREAS ALLOWANCES PER OCCUPANT SPACE FUNCTION

| BUSINESS AREAS WITH SPRINKLER PROTECTION | 150 SQ FT |
| BUSINESS AREAS WITHOUT SPRINKLER PROTECTION | 100 SQ FT |

SECTION 1005 MEANS OF EGRESS SIZING

1005.2.1 GENERAL

ALL PORTIONS OF MEANS OF EGRESS SHALL BE SIZED ACCORDING TO THIS SECTION.

1005.2 REQUIRED WIDTH BASED ON OCCUPANT LOAD

THE MEANS OF EGRESS WITHIN SHALL NOT BE LESS THAN THE TOTAL OCCUPANT LOAD-DERIVED BY THE MEANS OF EGRESS MULTIPLIED BY 8.3 FT PER OCCUPANT FOR STAIRWAYS AND BY 1.2 FT PER OCCUPANT FOR OTHER EGRESS COMPONENTS.

MULTIPLE MEANS OF EGRESS SHALL BE SIZED SUCH THAT THE LOSS OF ANY ONE MEANS OF EGRESS SHALL NOT REDUCE THE AVAILABLE CAPACITY TO LESS THAN 50% OF THE REQUIRED CAPACITY. THE MAXIMUM CAPACITY REQUIRED FROM ANY STORY OF A BUILDING SHALL BE MAINTAINED TO THE TERMINATION OF THE MEANS OF EGRESS.

SECTION 1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS

1006.2 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE

TWO EXITS OR EXIT DOORWAYS FROM ANY SPAE SHALL BE PROVIDED WHERE THE OCCUPANT LOAD OR COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS TABLE 1006.2.

OCCLUSION MAXIMUM OCCUPANT LOAD OF SPACE MAX COMMON PATH OF EGRESS TRAVEL

0 49 75 FEET
1. LEVEL TWO REFLECTED CEILING PLAN IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR TO VERIFY IN FIELD EXISTING CONDITIONS AND SUBMIT ANY QUESTIONS TO ARCHITECT PRIOR TO COMPLETING WORK.

2. PRIMARY AREA OF WORK IN SUITE ABOVE (LEVEL THREE) INDICATED ON PLAN. ADDITIONAL WORK MAY BE REQUIRED IN OTHER BUILDING AREAS TO COMPLETE THE WORK. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL SCOPE IN OTHER AREAS.

3. PATCH AND REFINISH (E) WALLS AND CEILINGS AS NEEDED FOR INSTALLATION OF MECHANICAL, PLUMBING, AND ELECTRICAL.

GENERAL NOTES

(E) ELEMENT TO REMAIN
(E) ACOUSTIC CEILING TILE
(EQUIPMENT FROM LEVEL THREE DENTAL CLINIC SHOWN FOR COORDINATION PURPOSES

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GENERAL REQUIREMENTS

DESCRIPTION

This proposal is for the design and construction of a dental clinic in Seattle, consistent with the University of Washington's Building Design and Construction Standards. The contractor shall be responsible for the construction of the project in accordance with the specifications and drawings provided by Mithun, Inc.

CONTRACTOR PERFORMANCE REQUIREMENTS

Contractor shall coordinate with the building department for all building department required inspections. The contractor shall verify all existing conditions and location of members prior to cutting any openings. Existing reinforcing that is to be saved.

EXISTING CONCRETE

RENOVATIONS

1. Typical Core Drilling at Existing Slabs

- **LOCATION**
  - Magnuson Health Sciences Center, B-Wing
  - 1705 NE Pacific St
  - Seattle, WA 98195
  - UNIVERSITY OF WASHINGTON

- **DATE**
  - 01/08/2021

- **SHEET NUMBER**
  - 01/08

- **TITLE**
  - DENTAL CLINIC RENOVATION

- **PREPARED FOR**
  - Mithun, Inc.

- **PROJECT NO.**
  - 3-1001

- **PROJECT DESIGNER**
  - C. Keene

- **PROJECT ARCHITECT**
  - A. Kastner

- **OWNER RESPONSIBILITY**
  - The owner shall retain a Special Inspector to perform the special inspection requirements required by the building department.

- **SAFETY PROCEDURES**
  - The Contractor shall coordinate with the building department for all building department required inspections. All discrepancies shall be reported to the Architect before proceeding with work. Any errors, ambiguities and/or omissions in the contract documents shall be reported to the Architect immediately, in writing. No work is to be started before correction is made.

- **CONTRACTOR PERFORMANCE REQUIREMENTS**
  - The Contractor shall coordinate with the building department for all building department required inspections. The Contractor shall verify all existing conditions and location of members prior to cutting any openings. Existing reinforcing that is to be saved.

- **CONTRACTOR VERIFIES CHANGES**
  - The Contractor shall coordinate with the building department for all building department required inspections.

- **NOTES AND DETAILS**
  - Mithun, Inc.

- **ORIGINAL SHEET SIZE**
  - 24" x 36"
DEMO PLAN NOTES

1. ITEMS REMOVED/REMOVED ARE ELIGIBLE TO ESTABLISH GENERAL SCOPE OF DEMO.
   CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND SHALL NOTIFY THE ARCHITECT
   PRIOR TO DEMO OF ANY ITEMS NOT INDICATED ON THE PLANS THAT MAY AFFECT THE
   WORK.

2. ANY ITEMS REMOVED OR ANY ITEMS NOT INDICATED OR ANY INDICATED AS
   DEMO TO REMAIN ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED
   OR REPLACED WITH LIKE MATERIALS AND ASSEMBLIES AT NO COST TO THE OWNER.

3. EXISTING CONDITIONS ARE COMPILED FROM RECORD DRAWINGS. CONTRACTOR TO FIELD
   VERIFY EXISTING CONDITIONS AND SHALL NOTIFY THE ARCHITECT PRIOR TO DEMOLITION
   OF ANY ITEMS NOT INDICATED THAT MAY AFFECT THE WORK.

4. PROVIDE TEMPORARY ENCLOSURE TO CONTAIN DUST AND DEBRIS.

5. E2 E2 E2 FLOORING TO REMAIN.

6. CONFIRM WITH OWNER WHICH EQUIPMENT IS TO BE SALVAGED & RETURNED TO OWNER
   AND WHICH EQUIPMENT IS TO BE REMOVED. EQUIPMENT INCLUDES BUT IS NOT LIMITED TO
   X-RAY MACHINE, DENTAL EQUIPMENT, ETC.

DEMO PLAN LEGEND

E = ELEMENT TO REMAIN
E = ELEMENT TO BE REMOVED

DEMO PLAN KEYNOTES

<table>
<thead>
<tr>
<th>NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>D01</td>
<td>REMOVE [E] DOOR, FRAME, AND TRIM</td>
</tr>
<tr>
<td>D03</td>
<td>DEMO [E] PARTITION WALL. PREP [E] FLOORING FOR NEW FINISH</td>
</tr>
<tr>
<td>D04</td>
<td>DEMO [E] PARTIAL HEIGHT PARTITION WALL. PREP [E] FLOORING FOR NEW FINISH</td>
</tr>
<tr>
<td>D05</td>
<td>DEMO [E] SINK</td>
</tr>
<tr>
<td>D06</td>
<td>DEMO [E] WINDOW</td>
</tr>
<tr>
<td>D07</td>
<td>REMOVE [E] AUTOCLAVES AND HOOD, SEE MECH</td>
</tr>
<tr>
<td>D08</td>
<td>DEMO [E] BUILT-IN STORAGE CASEWORK</td>
</tr>
<tr>
<td>D09</td>
<td>REMOVE [E] X-RAY MACHINE</td>
</tr>
<tr>
<td>D10</td>
<td>REMOVE [E] X-RAY BUTTON</td>
</tr>
<tr>
<td>D11</td>
<td>[E] PIPE TO REMAIN</td>
</tr>
<tr>
<td>D12</td>
<td>REMOVE [E] MEDICAL GAS SHUTOFF VALVES AND PANELS, SEE MECH</td>
</tr>
<tr>
<td>D13</td>
<td>[E] PERIMETER RADIATORS TO REMAIN, SEE MECH</td>
</tr>
<tr>
<td>D14</td>
<td>DEMO WINDOW AND SECURITY GRILLE</td>
</tr>
<tr>
<td>D15</td>
<td>DEMO [E] MEP PIPING</td>
</tr>
<tr>
<td>D16</td>
<td>DEMO [E] COUNTER/CASEWORK</td>
</tr>
<tr>
<td>D18</td>
<td>SALVAGE [E] DOORS FOR REUSE</td>
</tr>
</tbody>
</table>
DEMO REFLECTED CEILING PLAN NOTES

1. EXISTING CONDITIONS ARE COMPILED FROM RECORD DRAWINGS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND SHALL NOTIFY THE ARCHITECT PRIOR TO DEMOLITION OF ANY ITEMS NOT INDICATED THAT MAY AFFECT THE WORK.

2. ANY ITEMS DEMOLISHED THAT ARE NOT INDICATED AS DEMOLISHED OR ARE INDICATED AS TO REMAIN ARE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE REPAIRED OR REPLACED WITH LIKE MATERIALS AND ASSEMBLIES.

3. REMOVE ACOUSTIC CEILING TILES AND GRID THROUGHOUT.

4. CONSTRUCTION ACCESS IS LIMITED. REFER TO SITE PLAN AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

5. SEE HAZMAT REPORT FOR ABATEMENT SCOPE.

DEMO PLAN LEGEND

(E) ELEMENT TO REMAIN

(E) ELEMENT TO BE REMOVED

DEMO PLAN KEYNOTES

NO. DESCRIPTION

D11 (E) PIPE TO REMAIN
CEILING PLAN LEGEND

- (E) ELEMENT TO REMAIN
- ACoustIC CEILING TIlE [ACP - 1]
- [E] WIRELESS ACCESS POINT (WAP), TO REMAIN,
- [E] MECHANICAL DIFFUSER TO BE SALVAGED,
- [E] SPRINKLER HEAD TO BE SALVAGED,
- [E] SPRINKLER HEAD TO BE SALVAGED,
- [E] EXHAUST AND STROBE TO REMAIN, SEE MEP
- [E] EXHAUST AND STROBE TO REMAIN, SEE MEP
- [E] OCCUPANCY SENSOR, CEILING MOUNTED, SEE MEP
- PHOTOSENSOR, SEE MEP
- SPEAKER/STROBE COMBINATION, CEILING MOUNTED,
- DUAL FACE EXIT SIGN, SEE MEP
- SINGLE FACE EXIT SIGN, SEE MEP
- SEWER, SEE MEP
- NURSERY, SEE MEP
- COLLECTOR & RELIEVE, SEE MEP
- COLLECTOR & RELIEVE, SEE MEP
- EXHAUST, SEE MEP
- RETURN, SEE MEP

ADDITIONAL LEGEND

- 1/4" = 1'-0"  | 1/A8.301 LEVEL 03 REFLECTED CEILING PLAN
- © 2016 MITHUN, INC.
- ORIGINAL SHEET SIZE 24" x 36"
- REGISTERED
ARCHITECT
WALTER SCHACHT
6577
STATE OF WASHINGTON

1. CEILING HEIGHTS ARE TO BE FIELD VERIFIED, TYP.
2. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE AND EMERGENCY EXIT LIGHT LOCATION. REFER TO INTERIOR PARTITION LEGEND FOR EXACT LOCATIONS AND ALIGNMENTS. NOT ALL DEVICES ARE SHOWN.
3. REFER TO ARCHITECTURAL RCP FOR EQUIPMENT LOCATIONS AND ALIGNMENTS. NOT ALL DEVICES ARE SHOWN.
4. REFER TO MEP DRAWINGS FOR QUANTITY, TYPE, AND SPACING OF (E) SPRINKLER HEADS (RELOCATED FROM [E] LOCATION)
5. REFER TO MEP DRAWINGS FOR QUANTITY AND TYPE OF DEVICES.
6. DEVICES TO BE LOCATED IN CENTER OF CEILING TILE, TYP.
7. VERIFY FINAL LOCATION OF DEVICES NOT SHOWN WITH ARCHITECT PRIOR TO PLACEMENT.
8. ORIENTATION AND SPACING OF ACT GRID CEILING SHALL BE INSTALLED PER RCP (AS SHOWN) UNO. CONTRACTOR TO VERIFY ALIGNMENTS WITH ARCHITECTS PRIOR TO INSTALLATION IN THE EVENT OF ANY DISCREPANCY OR LACK OF CLARITY.
LEVEL 03

0' - 0"

[1512x2207]FIRE EXTINGUISHER, TO REMAIN ACCESS PANEL, TO REMAIN

RUBBER BASE CASEWORK BY OTHER

M11 STERILIZER, PROVIDED BY OWNER

TELECOMMUNICATION DEVICE, PER ELECTRICAL; COORD. FINAL LOCATIONS W/ OWNER PROVIDED EQUIP.

1'-9" 2'-0"

PLYWOOD BACKING BEHIND CASEWORK FROM COUNTER TO TOP OF UPPER CABINET

OUTLET, PER ELECTRICAL; COORD. FINAL LOCATIONS W/ OWNER PROVIDED EQUIP.

GWB PLY 1'-0" 3'-1"

LEVEL 03

0' - 0"

RUBBER BASE CASEWORK BY OTHER

WARE WASHER BY OWNER

TABLETOP ULTRASONIC, PROVIDED BY OWNER

PLY GWB 10 5/8" 3'-0" 1'-2"

LEVEL 03

0' - 0"

RUBBER BASE CASEWORK BY OTHER

WAVERLY WASHER BY OWNER

TABLETOP ULTRASONIC, PROVIDED BY OWNER

PLY GWB 10 5/8" 3'-0" 1'-2"

LEVEL 03

0' - 0"

RUBBER BASE CASEWORK BY OTHER

WASHINGTON WASHER BY OWNER

TABLETOP ULTRASONIC, PROVIDED BY OWNER

PLY GWB 10 5/8" 3'-0" 1'-2"
**GENERAL NOTES**

1. **WALL ASSEMBLIES WHERE NOTED AS FIRE RATED SHALL CONFORM TO CONFIGURATIONS AS NOTED**

2. **FIRE RATING LISTED ON ASSEMBLY DRAWINGS IS THE MAXIMUM FIRE RATING ACHIEVABLE FOR THAT**

3. **ALL GYPSUM WALL BOARD (GWB) TO BE 5/8" TYPE X U.N.O.**

4. **SOUND ATTENUATION BLANKET TO BE 3 1/2" U.N.O.**

5. **PRIMARY LAYER IS THE LAYER AT THE FACE OF STUD.**

6. **METAL STUD ASSEMBLY, STAGGERED STUDS**

7. **WHERE AN ACOUSTIC PARTITION ABUTS PERPENDICULARLY TO A CONTINUOUS GWB PARTITION, INTERRUPT THE GWB AT THE POINT OF INTERSECTION AND CAULK THE JOINT LIBERALLY. DO NOT CONTINUE THE GWB BEHIND THE INTERSECTING STUD.**

8. **ALL OPENINGS AROUND PIPE PENETRATIONS SHALL BE SEALED. MAINTAIN 1/4" TO 1/2" GAP BTWN NEW CONSTRUCTION ABUTS EXISTING PARITION**

9. **ALL OPENINGS AROUND DUCTS TO BE SLEEVED WITH 18GA SHEET METAL OR USE FRAMING TO BE ACCESSIBLE.**

**DOOR SCHEDULE**

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Dimensions</th>
<th>Security</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>17' 4&quot; x 2' 6&quot;</td>
<td>3</td>
<td>Accessible</td>
</tr>
<tr>
<td>B</td>
<td>10' 9&quot; x 2' 6&quot;</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>12' 10&quot; x 2' 6&quot;</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**DOOR TYPES**

- **DOOR TYPE A**
- **DOOR TYPE B**
- **DOOR TYPE C**
- **FRAME TYPES**

**WINDOW TREATMENT TYPES**

- **TYPE A**
- **TYPE B**
4. INSTALL PIPE SUPPORTS IN ACCORDANCE WITH MSS SP-69 AND SECTION 232116, WHICHEVER IS MORE STRINGENT.

3. INSTALL ISOLATION VALVES SPECIFIED IN SECTION 221120 AND SLOPE PIPING FOR DRAINING OF SYSTEM(S).

2. ITEMS SHALL BE MANUFACTURED IN THE UNITED STATES.

- [TYPE DWV COPPER] ALL
- [HUBLESS SCHEDULE 40 CAST IRON] AB&I FOUNDARY, CHARLOTTE PIPE & FOUNDARY, TYLER PIPE
- [SCHEDULE 40 SOLID WALL ABS] ALL MANUFACTURERS
- [SCHEDULE 40 SOLID WALL PVC] ALL MANUFACTURERS
- [CPVC SCHEDULE 80] SPEARS EVERTUFF
- [TYPE K COPPER] CERRO, MUELLER, WOLVERINE

NOTES:

- SPECIFICATION
- SECTION
- 226600
- 221300
- 226313 DENTAL VACUUM
- 226313 DENTAL AIR

ACID WASTE AND WATER SYSTEM C

NOTES:

- PC = PLUMBING CONTRACTOR
- DF-G DENTAL CHAIR G
- DF-H DENTAL CHAIR H
- DF-D TREATMENT ROOM CONSOLE
- DF-C T-WALL CENTRAL CONSOLE
- DF-N DENTAL AIR COMPRESSOR
- DF-K AUTO WASHER
- SS-1 SINGLE SINK

INCREASE THICKNESS OF PIPE INSULATION BY 1/2 INCH WHERE PIPING IS LOCATED OUTDOORS OR OTHERWISE EXPOSED TO OUTDOOR AMBIENT AIR.

NOTES:

- PRESS FIT: NIBCO PRESS, VIEGA PROGRESS, AALBERTS INDUSTRIES APOLLO PRESS
- THERMAFIT INDUSTRIES POC, MISSION RUBBER COMPANY
- MECHANICAL JOINT: SAME AS PIPE MFR.
- HUB AND SPIGOT: SAME AS PIPE MFR.
- COMPRESSION FITTINGS: SAME AS PIPE MFR.
- QC QUICK CONNECT FITTING: SAME AS PIPE MFR.
- BARBED FITTING: SAME AS PIPE MFR.
- SCREWED: SAME AS PIPE MFR.
- BF BARBED FITTING: SAME AS PIPE MFR.
- CF COMPRESSION FITTINGS: SAME AS PIPE MFR.
- MJ MECHANICAL JOINT: SAME AS PIPE MFR.
- HS HUB AND SPIGOT: SAME AS PIPE MFR.
- BF BARBED FITTING: SAME AS PIPE MFR.
- QC QUICK CONNECT FITTING: SAME AS PIPE MFR.
- SCREWED: SAME AS PIPE MFR.
- BF BARBED FITTING: SAME AS PIPE MFR.
T

STAFF BREAK ROOM
B337

MEDIUM PRESSURE DUCT SHALL REMAIN THROUGHOUT EXCEPT WHERE NOTED FOR REROUTING, EXTENSION, OR TRUNCATION.
REMOVE MEDIUM PRESSURE DUCT RUNOUTS TO TERMINAL UNITS AND CAP DUCT AIR TIGHT AT MAIN TRUNK WHERE UNITS ARE MARKED FOR REMOVAL OR RELOCATION.

OWNER HAS RIGHT TO RETAIN REMOVED EQUIPMENT AND MATERIAL. VERIFY WITH OWNER THE EXTENT OF EQUIPMENT/MATERIAL TO BE RETAINED AND DELIVER ITEMS TO THE OWNER. DISPOSE OF ALL OTHER REMOVED EQUIPMENT AND MATERIAL UNLESS DIRECTED OTHERWISE.

PROVIDE MINIMUM MERV 8 FILTER MEDIA OVER MAIN SUPPLY/RETURN OPENINGS PRIOR TO AND THROUGHOUT DEMOLITION AND CONSTRUCTION. PROVIDE A LETTER AND PICTURES TO THE OWNER/ARCHITECT/ENGINEER CONFIRMING REMOVAL AT COMPLETION. CONTRACTOR SHALL MAINTAIN/REPLACE FILTERS THROUGHOUT CONSTRUCTION TO PROTECT HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT AND DUCTWORK.

UNUSED PENETRATIONS AND EXPOSED FINISHES AFTER DEMOLITION SHALL BE PATCHED AND PAINTED TO MATCH EXISTING UNLESS NOTED FOR REUSE WITH NEW WORK.

DEMO LAYOUT SHOWN IS BASED ON AS-BUILT DOCUMENTS. ACTUAL CONDITIONS MAY VARY AS COMARED TO THE TYPICAL FLOOR. FIELD VERIFY CONDITIONS PRIOR TO BID.

OWNER TO REMOVE EXISTING TEMPERATURE SENSOR AND RELOCATE ABOVE CEILING TO MAINTAIN SYSTEM OPERATION AND PREPARE FOR RELOCATION AS SHOWN ON M3.01.
TEMPORARILY RELOCATE EXISTING DIFFUSER ABOVE CEILING. PREPARE FOR RELOCATION AS SHOWN ON M3.01. BALANCE TO MATCH EXISTING CFM VALUES UNLESS NOTED OTHERWISE.
REMOVE EXISTING HOOD AND AUTOCLAVES.
DEMOLISH EXISTING AUTOCLAVES, AUTOCLAVE BOILER, AND ASSOCIATED APPURTENANCES.
DEMOLISH EXISTING PLUMBING TO MAIN AT LEVEL BELOW.
REMOVE EXISTING SPRINKLER HEAD AND PREPARE FOR RELOCATION AS SHOWN ON M5.01. SPRINKLER HEAD TO REMAIN.
EXISTING THERMOSTAT SHALL BE SALVAGED AND PROTECTED FOR REINSTALLATION. COORDINATE WITH UW FACILITIES FOR PERFORMING THIS WORK.
REMOVE EXISTING TERMINAL UNIT LOCATED HERE. SALVAGE EXISTING DIFFUSER.
EXISTING THERMOSTAT TO REMAIN.
EXISTING FLOOR SINK TO REMAIN; PROTECT AND MODIFY AS NOTED ON PLUMBING SHEETS.
EXISTING VAV TO REMAIN.

MECHANICAL DEMOLITION FLOOR PLAN - THIRD FLOOR

SEATTLE / Pier 56, 1201 Alaskan Way, #200
Seattle, WA 98101 / 206.623.3344

SAN FRANCISCO / 660 Market Street, #300
San Francisco, CA 94104 / 415.956.0688

LOS ANGELES / 5837 Adams Blvd
Culver City, CA 90232 / 323.937.2150

mithun.com
1. THIRD FLOOR PLAN AND FIXTURES SHOWN FOR CLARITY.
2. SEE TYPICAL PLUMBING DETAILS IN DRAWINGS.
3. FIXTURES ABOVE ARE SHOWN ON PLAN FOR REFERENCE ONLY.
4. SLOPE ALL WASTE PIPING (EXCEPT AW) AT A MINIMUM OF 1/4" PER FOOT.
5. FD, FS, AND AIR GAP DRAIN TRAPS SHALL BE SERVED FROM CLOSEST ELECTRONIC TRAP PRIMER.
6. PROVIDE CORE DRILL FOR EACH PIPE SHOWN TO FIXTURES SERVED FROM LEVEL BELOW.
7. PROVIDE CLEANUP AFTER EACH SHIFT. ANTICIPATE OFF HOURS OR EARLY MORNING WORK IN THIS AREA. PAY FOR ANY ADDITIONAL COSTS (SECURITY, MOVING OF TENANT FURNITURE/EQUIPMENT, ETC).

FLAG NOTES

1. LOOP VENT FOR SINK ABOVE.
2. 1" COMPRESSED AIR UP TO DENTAL AIR COMPRESSOR.
3. 1 1/2" COMPRESSED AIR LOOP.
4. 4" DENTAL VACUUM UP TO DENTAL VACUUM PUMP.
5. ROUTE PIPE UP INTO CABINETRY TO DODGE BEAM LOCATED THIS LOCATION.

DENTAL CLINIC
RENOVATION
UNIVERSITY OF WASHINGTON
SHEET NOTES

1. SEE TYPICAL PLUMBING DETAILS IN SHEET M9 SERIES.
2. SLOPE ALL WATER PIPING AT A RISE OF 1/2" PER FOOT.
3. ALL FITS, POSITIVE AIR PRESSURE TRAPS SHALL BE DERIVED FROM GLOBE AND EJECTOR TRAP TRAPS.
4. PROVIDE STAINLESS STEEL LOCATED ACCESS PANEL FOR ALL PIPING.""
SEAL ALL EXPOSED DUCTWORK SEAMS WITH PAINTABLE SILICONE CAULK.

COORDINATE HVAC EQUIPMENT LOCATED ABOVE LAY-IN CEILINGS WITH ELECTRICAL AND FIRE SPRINKLER TO MAINTAIN MAINTENANCE ACCESS. A FULL 24"X24" CEILING TILE SHALL BE AVAILABLE (CLEAR OF ANY FIRE ALARM, LIGHTING/OCCUPANCY SENSORS, A/V OR SPRINKLER HEADS) FOR REMOVAL TO MAINTAIN EQUIPMENT.

UW FACILITIES SHALL PROVIDE ALL TEST, ADJUST, AND BALANCING REQUIREMENTS FOR PROJECT. COORDINATE WITH UW FACILITIES FOR REQUIREMENTS.

1. LOCATE EXISTING THERMOSTAT TO 4'-0" AFF. THIS LOCATION.
   EXTEND PNEUMATIC CONTROL TUBING AS REQUIRED FOR NEW LOCATION.

2. LOCATE EXISTING AIR TERMINAL TO REMAIN.

3. BALANCE TO MEASUREMENT TAKEN PRIOR TO WORK UNLESS NOTED OTHERWISE. CLEAN DIFFUSER AFTER INSTALLATION. PROVIDE NEW FLEX DUCT AS REQUIRED FOR NEW LOCATION.

4. PROVIDE 1/4 CORK BEHIND THERMOSTATS ON EXTERIOR COLUMNS. MATCH THERMOSTAT SIZE WITH NO OVERHANG.

5. EXISTING THERMOSTAT TO REMAIN.

6. ROUTE 12"X12" ALUMINUM DUCT TO EXISTING EXHAUST SYSTEM IN STORAGE ROOM. TIE IN WITH BALANCING DAMPER.

7. EXISTING TO REMAIN, BALANCE TO MINIMUM 70 CFM.

8. EXTERIOR WALL CONVECTION SYSTEM SHALL REMAIN AS IS.

9. PROVIDE RESTRICTED RETURN GRILLE PER DETAIL FOR CONNECTION TO DENTAL AIR COMPRESSOR INTAKE.

SEE PLUMBING FOR DENTAL AIR COMPRESSOR INTAKE INFORMATION.
SEE TYPICAL FIRE PROTECTION DETAILS IN M9.00 SERIES.

PROVIDE FIRE SPRINKLER PROTECTION FOR ALL AREAS WITHIN SCOPE, EXCEEDING NFPA 13 REQUIREMENTS, TO PROVIDE SPRINKLER COVERAGE PROTECTION OF VOID SPACES, CEILING SPACES, ATTIC SPACES, ETC.

SPRINKLER PROTECTION SYSTEM SHALL MEET AHJ REQUIREMENTS.

FIRE SPRINKLER CONTRACTOR SHALL SUBMIT COMPLETE DESIGN SHOP DRAWINGS TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. HVAC WORK SHALL TAKE PRECEDENCE OVER FIRE SPRINKLER PIPE ROUTING. SPRINKLER HEAD PIPING INSTALLED WITHOUT PROPER COORDINATION SHALL BE SUBJECT TO REMOVAL AND REINSTALLATION AT NO COST. COORDINATE SPRINKLER HEAD LOCATIONS AND FIRE SPRINKLER PIPE ROUTING WITH A/E AND OTHER DISCIPLINES. SEE ARCHITECTURAL DRAWINGS FOR SPRINKLER HEAD LOCATIONS. CODE SHALL TAKE PRECEDENCE WHERE MORE STRINGENT REQUIREMENT.

THERE SHALL BE NO EXPOSED SPRINKLER PIPING IN OCCUPIED FINISHED SPACES EXCEPT AS INDICATED ON THESE PLANS. ALL EXPOSED SPRINKLER PIPING SHALL BE REVIEWED AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION. SPRINKLER PIPING INSTALLED WITHOUT PROPER COORDINATION SHALL BE SUBJECT TO REMOVAL AND REINSTALLATION AT NO COST.

FIRE SPRINKLER SYSTEM IS PERFORMANCE SPECIFICATION. ROUTING OF CONCEALED PIPING SHOWN ON THESE PLANS IS FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE ROUTING WITH OTHER TRADES TO PROVIDE FULLY COMPLIANT SYSTEM. SEE 211000.

PROVIDE FLEXIBLE PIPE CONNECTIONS TO SPRINKLER HEADS INSTALLED IN ALL CEILING TYPES.

ALL SPRINKLER HEADS SHALL BE CONCEALED IN OCCUPIED SPACES UNLESS NOTED OTHERWISE. SEE MECHANICAL SPECIFICATIONS FOR DESIGN GUIDELINES. THIS DRAWING IS A REPRESENTATION OF ROUTING AND LOCATIONS ONLY.

LOCATE ALL DRAIN LOCATIONS AT EXTERIOR WALLS OR LOCATIONS WITHIN THE INTERIOR NEAR CUSTODIAL ROOM. COORDINATE DRAIN LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

COORDINATE SYSTEM SHUTDOWN, DRAIN, REFILL, AND STARTUP PLAN WITH OWNER.
3" SCHEDULE 40 STEEL VACUUM EXHAUST PIPE UP IN EXISTING SHAFT TO UPPER ROOF. PIPES SHALL OFFSET FROM SHAFT ABOVE THE 4TH FLOOR CEILING.
NOTES:
1. WHERE SPRINKLER HEADS ARE LOCATED IN AN ACCESSIBLE CEILING, THE HEADS SHALL BE LOCATED ON THE CENTERLINE AXIS OF EITHER THE LONG OR SHORT SIDE DIMENSION OF THE REMOVABLE PANEL (SEE DETAIL ABOVE). IN ROOMS WHERE MULTIPLE HEADS ARE REQUIRED, HEADS SHALL BE ALIGNED AND SYMMETRICAL.

2. DUCTWORK AIR TERMINALS, HVAC ABOVE CEILING ACCESS AND LIGHTING LOCATIONS TAKE FIRST PRIORITY OVER FIRE SPRINKLING SYSTEM. COORDINATION SHALL BE FIRE SPRINKLER CONTRACTOR'S RESPONSIBILITY. SPRINKLER HEAD SHALL NOT BE LOCATED IN CEILING PANELS NEEDED FOR EQUIPMENT ACCESS.

NOTES:
1. SLEEVE NOT REQUIRED FOR EXISTING CONCRETE WALLS.

FINISHED GRADE
SEALANT ON EACH END OF SLEEVE
PIPE SLEEVE
CONCRETE, METAL, OR WOOD WALL ASSEMBLY
ESCUTCHEON PLATE WHERE PIPE IS EXPOSED
PIPE INSULATION
JACKETING WHERE PIPE IS INSULATED

NOTES:
1. PROVIDE DEKTITE FLASHING FOR METAL ROOFS. DETAIL SHOWS LEAD FLASHING FOR COMPOSITE MEMBRANE ROOFS.

2. DETAIL SHOWS PLUMBING VENT THROUGH ROOF PENETRATION. DETAIL ALSO APPLIES TO NATURAL GAS PIPING, LIQUEFIED PETROLEUM PIPING, AND SIMILAR PIPING THROUGH ROOF PENETRATIONS.

PROVIDE INSECT SCREEN AT OUTLET
PROVIDE INSECT SCREEN AT OUTLET

M9.03 MECHANICAL DETAILS
1/8/2021 2:39:52 PM
DETAIL NOTES:

NOTE 1: GREYED OUT COMPONENTS NOT IN SCOPE.

NOTE 2: DETAILS SHOWN ON THIS SHEET ARE FROM MOST CURRENT INFORMATION AVAILABLE FROM THE MANUFACTURER REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS ON FINAL SUBMITTALS PRIOR TO INSTALLATION.
13. Indicated at homeruns only. Show actual specifications, unless indicated otherwise.

Schedule installation with other trades to owner. Otherwise directed. Return items to owner plans or as required for installation of expansion/Seismic joints for raceways expansion/Seismic joints. Provide raceway drawings for locations of

Refer to architectural and structural

Provide rated enclosures around all light

Reflect ceiling plans and elevations.

Casework shop drawings and architect's installation standards and requirements.

With utility requirements. Verify applicable of utility services shall be in accordance

OBTAIN and pay for permits required for the

All cables on 48-port patch panels on racks unless

and intrabuilding pathways and spaces.

Accessible ceiling spaces shall be installed as open

Locations of fixed casework and building conditions

Show schematic. Coordinate installation, provided by the telecommunications contractor.

Tray pathways below raised floor spaces shall be

Systems per the scope of work indicated on the

Conduits, outlet boxes, junction boxes, raceway

FOR SUPPORT REQUIREMENTS.

The work.

Where work may properly commence. Notify the

Cabling pathways where equipment is located on

Minimum spacing from electrical apparatus such as

Provide firestopping systems for conduit and

Systems containing in the

A. HANGERS AND BRACKETS MOUNTED FOR ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH EMBOSSED HANGING SLOTS OR FLANGES AT ELECTRICAL RECEPTABLES AND CIRCUIT BREAKERS.

B. GRIDS AND SMALL COMPONENTS, THE ELECTRICAL UNIVERSITY OF WASHINGTON

ENERGY CODE NOTES

2. OPERATING AND MAINTENANCE GUIDELINES SUBJECT TO CHANGING PER ENERGY CODE ENFORCED BY THE LOCAL

3. THE BUILDING AND ITS ENSURING SYSTEMS HAVE BEEN DESIGNED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE. OTHER STANDARDS AND CODES MAY APPLY.

4. LIGHTING CONTROLS, SYSTEMS COMMUNICATING AND MANAGEMENT REQUIREMENTS, TEST SYSTEMS THAT ENABLE ELECTRICAL SYSTEMS TO INTERACT WITH THE BUILDING COMMUNICATIONS NETWORK. THE BUILDING MANAGEMENT SYSTEMS SHALL BE SECURED AND ACCESS CONTROLLED IN CONFORMITY WITH THE INSTALLATION DOCUMENTS AND OPERATIONAL REQUIREMENTS PRECODED IN THE INTERNATIONAL ASSOCIATION FOR ELECTRICAL INDUSTRYKI. FOR ADDITIONAL, CONFORMING REQUIREMENTS.
## DENTAL EQUIPMENT SCHEDULE

<table>
<thead>
<tr>
<th>Tag</th>
<th>Equipment Description</th>
<th>Voltage</th>
<th>Phase</th>
<th>HP</th>
<th>KW</th>
<th>FLA</th>
<th>MCA</th>
<th>Connection</th>
<th>Branch Circuit</th>
<th>Disconnect</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>D01</td>
<td>Dental Chair</td>
<td>120</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>(2)</td>
<td>1,2,5,6</td>
</tr>
<tr>
<td>D02</td>
<td>Dental Console Cabinet</td>
<td>120</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,3</td>
<td></td>
</tr>
<tr>
<td>D03</td>
<td>Panoramic X-Ray</td>
<td>120</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>12.0</td>
<td>-</td>
<td>-</td>
<td>1,4</td>
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</tr>
<tr>
<td>D04</td>
<td>Sterilizer (Midmark)</td>
<td>120</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>D05</td>
<td>Instrument Washer</td>
<td>208</td>
<td>1</td>
<td>2.5</td>
<td>-</td>
<td>-</td>
<td>12.0</td>
<td>-</td>
<td>-</td>
<td>1,7</td>
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</tr>
<tr>
<td>D06</td>
<td>Cassette Autoclave (Statim)</td>
<td>120</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>D07</td>
<td>Dry Vacuum System Pump</td>
<td>208</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>30</td>
<td>-</td>
<td>40</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>D08</td>
<td>Dry Vacuum System Controller</td>
<td>208</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>6,8</td>
<td></td>
</tr>
<tr>
<td>D09</td>
<td>Future Dental Air System Compressor (Provision)</td>
<td>208</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>D10</td>
<td>Ware WASHER</td>
<td>120</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>D11</td>
<td>Remote Water Control Valve</td>
<td>120</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,2,9</td>
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</tr>
<tr>
<td>D12</td>
<td>Dental Air Changover Control Power</td>
<td>120</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,10</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:
1. Coordinate final connection type and location with Owner prior to rough-in.
2. Provide GFCI protection.
3. Hardwire whip to junction box supplied with product. Coordinate requirements with supplier.
4. Provide conduit, wire, and connections to control panel. Coordinate with Equipment manufacturer. Coordinate control location with Owner.
5. Provide GFCI fourplex receptacle. Coordinate receptacle model and mounting location with Equipment vendor.
6. Provide Hospital Grade receptacle.
7. Provide fused disconnect as indicated.
8. Provide 4#18 AWG between the controller and remote panel switch. See E3.01 for switch location.
9. Provide low voltage connection to remote control panel and connection to solenoid. Install transformer furnished with equipment.

## LIGHT FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Manufacturer</th>
<th>Model Series</th>
<th>Light Color</th>
<th>Delivery</th>
<th>Input Voltage</th>
<th>Power Supply Optics</th>
<th>Shielding</th>
<th>Finish</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; R</td>
<td>Round Recessed Can LED Fixture; 80 CRI</td>
<td>Gotham</td>
<td>LED 6W 4000K</td>
<td>1800</td>
<td>20</td>
<td>120-277</td>
<td>INTEGRAL</td>
<td>-</td>
<td>WHITE</td>
<td>SEE LIGHTING FLOOR PLANS FOR FACE SIDES AND DIRECTION ARROWS</td>
</tr>
<tr>
<td>1'x4' R</td>
<td>Recessed Grid-Mounted Direct/Indirect LED Fixture; High Output; 80 CRI</td>
<td>Lithonia Lighting</td>
<td>Avante 2AV4L4</td>
<td>5231</td>
<td>50</td>
<td>120-277</td>
<td>INTEGRAL</td>
<td>-</td>
<td>WHITE</td>
<td></td>
</tr>
<tr>
<td>2.5&quot; R</td>
<td>Recessed Grid-Mounted Linear LED Wall Wash; 80 CRI</td>
<td>Lumens</td>
<td>LED Series</td>
<td>352/FT</td>
<td>4.25/FT</td>
<td>120-277</td>
<td>INTEGRAL</td>
<td>-</td>
<td>WHITE</td>
<td></td>
</tr>
<tr>
<td>EX</td>
<td>Existing Exit Sign, Green Letters</td>
<td>Lithonia Lighting</td>
<td>LQM Series</td>
<td>4.5</td>
<td>120-277</td>
<td>INTEGRAL</td>
<td>-</td>
<td>WHITE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## SWITCH SCHEDULE: SWITCHES LOCATED WITHIN SPACE BEING CONTROLLED

<table>
<thead>
<tr>
<th>Switch ID</th>
<th>Type</th>
<th>Function 1</th>
<th>Function 2</th>
<th>Function 3</th>
<th>Function 4</th>
<th>Function 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW1</td>
<td>DPST</td>
<td>Zone 1</td>
<td>Zone 2</td>
<td>Zone 3</td>
<td>Zone 4</td>
<td>Zone 5</td>
</tr>
<tr>
<td>SW2</td>
<td>DPDT</td>
<td>Zone 1</td>
<td>Zone 2</td>
<td>Zone 3</td>
<td>Zone 4</td>
<td>Zone 5</td>
</tr>
<tr>
<td>SW3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### General Notes:
1. Control requirements to be established on a space basis. Provide additional pushbuttons as required to accommodate all individual function control described.
2. Use approved pushbutton configuration and controller configuration.
3. Refer to lighting control shop drawings for actual rough-in requirements for switches.
4. Provide engravings on switches per function. Engraving shall include space name and zone controlled. Describe zone controlled with respect to the location in the space.
5. Provide switch label plaque for each device and control fixture.
**Sheet Notes**

1. Electrical items shown are diagrammatic based on available record drawings and site walks during the design period. Not all system components are shown. Contractor shall field verify device locations and quantities prior to commencing work. Reroute existing -to- remain device conduit and wiring as required to support remodel activities.

2. Remove unused surface raceway, boxes and wiring. Coordinate patching and painting with Division 09 contractor. Provide mud rings and blank covers for unused recessed boxes to remain. Refer to Specification Section 2627 for additional information.

3. Patching and painting to match existing conditions and shall be provided by Division 09 contractor.

5. Light fixtures, lighting control devices, junction boxes, conduit, wire and supports to be removed unless otherwise noted. Refer to E2.01 for new lighting work.

**Flag Notes**

- Remove existing light switch. Reuse existing junction box for new. Refer to E2.01 for new lighting.
- Existing exit sign to remain.
1. ELECTRICAL ITEMS SHOWN ARE DIAGRAMMATIC BASED ON AVAILABLE RECORD DRAWINGS AND SITE WALKS DURING THE DESIGN PERIOD. NOT ALL SYSTEM COMPONENTS ARE SHOWN. CONTRACTOR SHALL FIELD VERIFY DEVICE LOCATIONS AND QUANTITIES PRIOR TO COMMENCING WORK. REROUTE EXISTING - TO REMAIN DEVICE CONDUIT AND WIRING AS REQUIRED TO SUPPORT REMODEL ACTIVITIES.

2. REMOVE UNUSED SURFACE RACEWAY, BOXES AND WIRING. COORDINATE PATCHING AND PAINTING WITH DIVISION 09 CONTRACTOR. PROVIDE MUD RINGS AND BLANK COVERS FOR UNUSED RECESSED BOXES TO REMAIN. REFER TO SPECIFICATION SECTION 2627 FOR ADDITIONAL INFORMATION.

3. PATCHING AND PAINTING TO MATCH EXISTING CONDITIONS AND SHALL BE PROVIDED BY DIVISION 09 CONTRACTOR.

5. POWER DEVICES, JUNCTION BOXES, CONDUIT, WIRE AND SUPPORTS TO BE REMOVED UNLESS OTHERWISE NOTED. REFER TO E3.01 FOR NEW POWER WORK.

6. FIRE ALARM DEVICES, JUNCTION BOXES, CONDUIT, WIRE AND SUPPORTS TO BE REMOVED UNLESS OTHERWISE NOTED. REFER TO E5.01 FOR NEW FIRE ALARM WORK.

7. REMOVE EXISTING PAGING SYSTEM FROM PROJECT SPACE. PATCH WALL OR PROVIDE BLANK COVER PLATE AT EXISTING VOLUME CONTROLS. MAINTAIN FUNCTIONALITY OF EXISTING - TO REMAIN PAGING SYSTEM OUTSIDE OF PROJECT AREA.
OVERALL ELECTRICAL KEY PLAN - LEVEL 03
LIGHTING FLOOR PLAN - LEVEL 03

1. ARRIVE TO ARCHITECTURAL REFLECTED CEILING PLANS AND LOCATE DIRECTION OF LIGHTING AND CEILING FIXTURES.
2. ARRIVE TO ARCHITECTURAL ROUGH IN LAYOUT OF LIGHTS AND CEILING FIXTURES.
3. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
4. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
5. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
6. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
7. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
8. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
9. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
10. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.

LIGHTING FLOOR PLAN - LEVEL 03

1. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
2. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
3. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
4. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
5. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
6. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
7. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
8. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
9. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
10. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.

LIGHTING FLOOR PLAN - LEVEL 03

1. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
2. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
3. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
4. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
5. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
6. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
7. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
8. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
9. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
10. ARRIVE TO MOUNTING SCHEDULE ON SHEET 02 FOR ADDITIONAL INFORMATION.
AUTOMATIC LIGHTING CONTROL ZONES:

EXISTING ZONE
• LIGHT FIXTURES ENABLED/DISABLED VIA 'MANUAL ON' / 'AUTOMATIC OFF' VACANCY SENSOR(S) AND SWITCH.

VACANCY SENSOR ZONE
• LIGHT FIXTURES ENABLED/DISABLED VIA 'MANUAL ON' / 'AUTOMATIC OFF' VACANCY SENSOR(S) AND SWITCH.

DAYLIGHTING ZONE 1 (PRIMARY)
A. DAYLIGHT CONTROL TYPE = CLOSED LOOP

DAYLIGHTING ZONE 2 (SECONDARY)
P1
S1
A. DAYLIGHT CONTROL TYPE = CLOSED LOOP

OCCUPANCY SENSOR ZONE
• LIGHT FIXTURES ENABLED/DISABLED VIA 'AUTOMATIC ON' / 'AUTOMATIC OFF' OCCUPANCY SENSOR(S) AND SWITCH.

• INCLUDE BLINK WARNING BEFORE TURNING OFF.

ADDITIONAL MANUAL CONTROL
• DASHED OUTLINE REPRESENTS ADDITIONAL MANUAL CONTROL ZONES WITHIN A SPACE. ALL LIGHTING FIXTURES WITHIN THE DASHED AREA SHALL BE MANUALLY CONTROLLED TOGETHER.

• NOTE: IF A DASHED OUTLINE IS NOT INDICATED THEN ALL LIGHTS WITHIN SPACE SHALL BE MANUALLY CONTROLLED TOGETHER.

MANUAL CONTROL REQUIREMENTS:

AUTOMATIC DAYLIGHT HARVESTING IS REQUIRED:
• WHERE ADJACENT TO VERTICAL OR HORIZONTAL FENESTRATION, LIGHT FIXTURES WILL HAVE DAYLIGHTING OVERRIDE CONTROLS THAT AUTOMATICALLY RESPOND TO THE QUANTITY OF INCOMING DAYLIGHT.

FOOT CANDLE LEVELS ARE AVERAGES FOR THE SPACE IDENTIFIED.
1. Refer to panel schedules and load calculations, Sheet E7.01, for additional information.

2. Fire alarm devices shown indicate owner's minimum requirements. Provide additional fire alarm devices as required and coordinate with AHJ.

3. Fire alarm devices shown indicate owner's requirements. Provide additional fire alarm devices as required and coordinate with AHJ.

4. Electrical items shown are diagramatic based on available record drawings and site walks during the design period. Not all system components are shown. Contractor shall field verify device locations and quantities prior to commencing work. Reroute existing device conduit and wiring as required to support remodel activities.

Flag Notes:

Provide new fire alarm sync module as required.
SHEET NOTES:

1. EQUIPMENT IS EXISTING TO REMAIN.
2. WHERE EQUIPMENT GROUNDING CONDUCTOR IS NOT IDENTIFIED AT EXISTING FEEDER, CONDUIT IS UTILIZED AS EQUIPMENT GROUND PATH.

FLAG NOTES:

PROVIDE NEW ARC FLASH HAZARD WARNING MARKING AT EXISTING ELECTRICAL CONDUCTORS. REFER TO SEATTLE ELECTRICAL CODE SECTION 110.16 FOR MARKING REQUIREMENTS.

PARTIAL ELECTRICAL ONE-LINE DIAGRAM
EXISTING PANEL 'XB' (208/120V, 3PH, 4W)
LOAD REDUCTION CALCULATION
EXISTING PANEL '3L1' (200A, 208/120V, 3PH, 4W)
LOAD CHANGE CALCULATION
EXISTING PANEL '3H' (225A, 480/277V, 3PH, 4W)
LOAD BEING ADDED = 139.00 KVA
TOTAL LOAD REDUCTION = -53.00 KVA
LOAD BEING REMOVED = 52.38 KVA
TOTAL LOAD CHANGE = -1.55 KVA
TOTAL NEW LOAD = 64.23 KVA
TOTAL LOAD CHANGE = 6.48 KVA
TOTAL NEW LOAD = 19.69 KVA
TOTAL LOAD CHANGE = -8.04 KVA
LOAD BEING REMOVED = 24.66 KVA
LOAD BEING ADDED = 2.68 KVA
LOAD BEING REMOVED = 27.72 KVA
TOTAL EXISTING LOAD = 57.75 KVA
LOAD BEING ADDED = 2.68 KVA
TOTAL LOAD REDUCTION = -1.29 KVA

MANUFACTURER.
1. NEW LOAD ON EXISTING CIRCUIT BREAKER AS INDICATED.
RECEPTACLE 4845 VA 100.00% 4845 VA
LOAD CLASSIFICATION CONNECTED LOAD DEMAND FACTOR ESTIMATED DEMAND LOAD SUMMARY
1. EXISTING LOAD TO REMAIN.
EQUIPMENT & MISCELLANEOUS 25020 VA 100.00% 25020 VA
LOAD CLASSIFICATION CONNECTED LOAD DEMAND FACTOR ESTIMATED DEMAND LOAD SUMMARY
NOTE CKT CIRCUIT DESCRIPTION AMPS POLES A B C POLES AMPS CIRCUIT DESCRIPTION CKT NOTE
2 35 LTG - DENTAL AREA 20 A 1 2241
1 27 EXISTING LTG - RMS 317, 319, 321, 307 20 A 1 0 0 1 20 A EXISTING LTG - RMS 323,324,326,328 28 1
1 25 EXISTING LTG - OPER 338 20 A 1 0 0 1 20 A EXISTING LTG - RMS 323,324,326,328 26 1
1 23 EXISTING LTG - OPER 338 20 A 1 0 0 1 20 A EXISTING LTG - OPER. 329 24 1
1 17 EXISTING LTG - OPER 338/ S 338, 340 20 A 1 0 0 1 20 A EXISTING LTG - OPER. 329 18 1
1 15 EXISTING LTG - OPER 350/ N 344, 346 20 A 1 0 0 1 20 A EXISTING LTG - OPER. 329 16 1
1 13 EXISTING LTG - OPER 350/ N 344, 346 20 A 1 0 0 1 20 A EXISTING LTG - RMS 331,333 14 1
1 7 EXISTING LTG - OPER 350 20 A 1 0 0 1 20 A EXISTING LTG - RMS 335,337,339,345 8 1
1 3 EXISTING LTG - OPER 355/CLINIC 349 20 A 1 0 0 1 20 A EXISTING LTG - OPER 350 4 1
1 1 EXISTING LTG - OPER 355/CLINIC 349 20 A 1 0 0 1 20 A EXISTING LTG - OPER 350 2 1
1 9 EQPT - D01/D02 - DENTAL CHAIR/CAB. 20 A 1 1040 1040 1 2 0 A EQPT - D01/D02 - DENTAL CHAIR/CAB. 10 1
1 7 EQPT - D01/D02 - DENTAL CHAIR/CAB. 20 A 1 1040 1040 1 20 A EQPT - D01/D02 - DENTAL CHAIR/CAB. 8 1
1 5 EQPT - D01/D02 - DENTAL CHAIR/CAB. 20 A 1 1040 1040 1 20 A EQPT - D01/D02 - DENTAL CHAIR/CAB. 6 1
3 21 D09 - DRY VAC. SYSTEM CONTROLLER 15 A 2 900 180 1 20 A EQPT - D04 - X-RAY 22 2
1 17 EXISTING LOAD 20 A 1 0
1 15 EXISTING LOAD 20 A 1 0
1260 1 20 A RCPT - GENERAL CONVENIENCE 16 2
1 13 EXISTING LOAD 20 A 1 0
1080 1 20 A RCPT - OFFICE/RECEPTION 14 2
1 11 EXISTING LOAD 20 A 1 0
1 9 EXISTING LOAD 20 A 1 0 0 1 20 A EXISTING LOAD 10 1
1 7 EXISTING LOAD 20 A 1 0 0 1 20 A EXISTING LOAD 8 1
1 5 EXISTING LOAD 20 A 1 0 0 1 20 A EXISTING LOAD 6 1
1 3 EXISTING LOAD 20 A 1 0 0 1 20 A EXISTING LOAD 4 1
23 SPACE -- -- 0 0 -- -- SPACE 24
39 SPARE 20 A 1 0 0 1 20 A SPARE 40
29 EXISTING LOAD 20 A 1 0
3840 -- -- -- 28
25 EXISTING LOAD 20 A 1 0
3840 -- -- -- 24
23 SPACE -- -- 0 0 -- -- SPACE 24
21 EXISTING LOAD 20 A 1 0
17 EXISTING LOAD 20 A 1 0
540 1 20 A RCPT - SMR RECEPTACLES 16 2
540 1 20 A RCPT - GENERAL CONVENIENCE 18 2
540 1 20 A RCPT - OFFICE/RECEPTION 12 2
2676 VA
31140 VA
31140 VA
2676 VA
31140 VA
31140 VA
10,000
10,000
10,000
480Y/277V 3Ø, 4 WIRE
208Y/120V 3Ø, 4 WIRE
100.00%
9005 VA 6340 VA 4340 VA
9660 VA 10020 VA 11460 VA
78 A 55 A 36 A
81 A 84 A 96 A
0 A 0 A 8 A
1201 THIRD AVENUE, SUITE 600
SEATTLE, WA 98101