Beaverton School District

BSD ADMIN OFFICE TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

CONTENT

Improvements will include adding two ADA accessible restrooms, updated casework and sink fixture, and a new door into the east office suite on the first floor. The second floor will have two new doors added to the Team Room.

DEFERRED SUBMITTALS

07 84 00 FIRESTOPPING
13 48 53 SEISMIC ANCHORAGE

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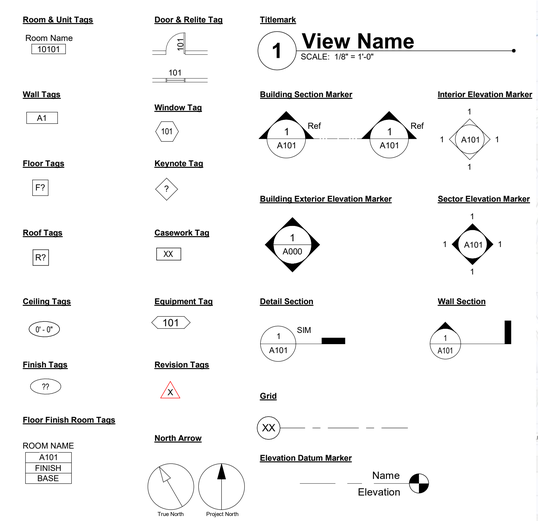
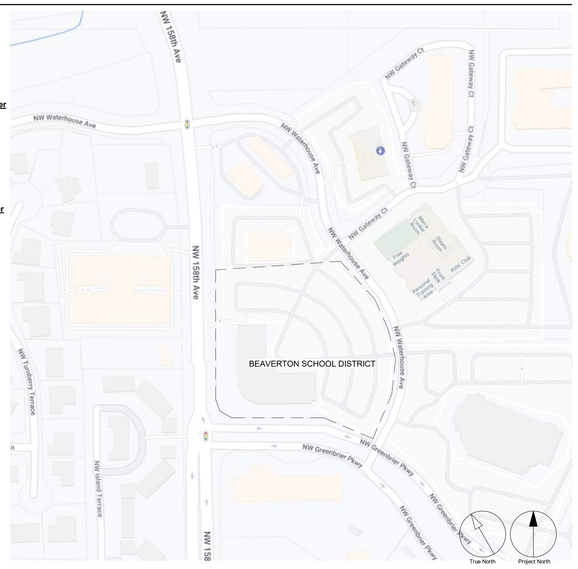
ARCHITECTURAL ABBREVIATIONS

&	AND
AB	ANCHOR BOLT
ACT	ACOUSTICAL CEILING TILE
ADD	ADDENDUM
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
ALS	AREA LIGHT STANDARD
ALUM	ALUMINUM
ANOD	ANODIZED
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCH MARK
BOT	BOTTOM
BTWN	BETWEEN
C	CHANNEL
CB	CATCH BASIN
CCTV	CLOSED CIRCUIT TELEVISION
CG	CORNER GUARD
CIP	CAST IN PLACE CONCRETE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONT	CONTINUOUS
CORR	CORRIDOR
CR	CLASSROOM
CSJ	CONSTRUCTION JOINT
CSMT	CASEMENT
CT	CERAMIC TILE
CTR	CENTER
DBL	DOUBLE
DF	DRINKING FOUNTAIN
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DP	DAMPROOFING
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
E	EXISTING
EA	EACH
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ENGR	ENGINEER
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FECB	FIRE EXTINGUISHER CABINET WITH BLANKET
FF	FINISH FLOOR
FIN	FINISH
FL	FLOOR
FO	FACE OF
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FRT	FIRE RETARDANT TREATED
FTG	FOOTING
FURR	FURRING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL	GLASS
GND	GROUND
GVP	GYPSUM VENEER PLASTER
GWB	GYPSUM WALL BOARD
HB	HOSE BIBB
HC	HANDICAP
HM	HOLLOW METAL
HPC	HIGH PERFORMANCE COATING
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HW	HOT WATER
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JST	JOIST
JT	JOINT
L	LENGTH
LAV	LAVATORY
LB	LAG BOLT
LKR	LOCKER
LS	LANDSCAPING
LVR	LOUVER
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKERBOARD
MECH	MECHANICAL
MED	MEDIUM
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
N	NEW
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OVERFLOW DRAIN
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OS	OUTSIDE
PL	PROPERTY LINE
PLAS	PLASTER
PLYWD	PLYWOOD
PSF	PER SQUARE FOOT
PT	PRESSURE TREATED
PVMT	PAVEMENT
R	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDO	ROOF DRAIN WITH OVERFLOW DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REQ'D	REQUIRED
REV	REVISE OR REVISION
RM	ROOM
RO	ROUGH OPENING
SAHTS	SELF-ADHERED HIGH TEMPERATURE SHEET
SAM	SELF-ADHERED MEMBRANE
SC	SOLID CORE
SECT	SECTION
SF	SQUARE FOOT
SG	PREFINISHED SHEET METAL GUTTER
SHT	SHEET
SHTG	SHEATHING
SHWR	SHOWER
SIM	SIMILAR
SJ	SEISMIC JOINT
SM	SHEET METAL
SP	SPLASH PAN
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
T	TEMPERED GLAZING
T&G	TONGUE AND GROOVE
T/M	TO MATCH
TC	TOP OF CURB
TEL	TELEPHONE
THK	THICK
TJ	TOOL JOINT
TO	TOP OF
TOD	TOP OF DECK
TOS	TOP OF STRUCTURE
TP	TOILET PAPER
TS	TUBE STEEL
TYP	TYPICAL
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VB	VAPOR BARRIER
VERT	VERTICAL
VEST	VESTIBULE
VFY	VERIFY
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WF	WIDE FLANGE
WH	WATER HEATER
WP	WATERPROOFING
WRB	WATER-RESISTIVE BARRIER
WT	WEIGHT

ARCHITECTURAL SYMBOLS



VICINITY MAP



TAX LOT #: 1N132CA00400

Bid Set

2023-04-21 3:25:50 PM

CLIENT
Beaverton School District
BEAVERTON SCHOOL DISTRICT
1260 NW WATERHOUSE AVENUE, BEAVERTON, OREGON 97006

ARCHITECTURE
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ISSUES

No.	DESCRIPTION	DATE
	BID SET	2023-04-21

ARCADIS

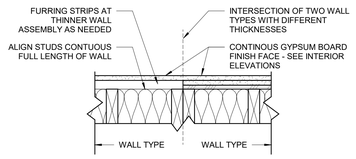
PROJECT
BSD ADMIN OFFICE TENANT IMPROVEMENT

PROJECT NO:
142595

DATE:
2023-03-31

Bid Set

SHEET NUMBER
G0000



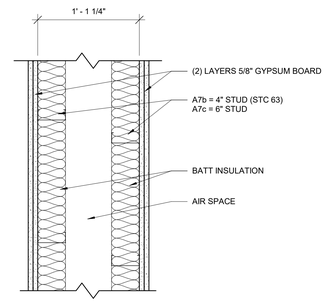
FOR ALL CASES WHEN TWO WALLS OF DIFFERENT WIDTHS MEET IN AN EXPOSED LOCATION. ENSURE FINISH FACE IS FLUSH.

WALL TYPES TRANSITION

SCALE: 1 1/2" = 1'-0"

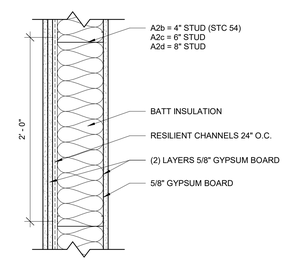
WALL TYPE GENERAL NOTES:

1. NOTED WALL TYPE DEPICTS TYPICAL WALL CONSTRUCTION. SEE ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL INFORMATION.
2. ASSEMBLIES FOR WALLS SHALL EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE. SOUND BATT INSULATION TO EXTEND FULL HEIGHT IN WALL ASSEMBLIES UNLESS NOTED OTHERWISE.
3. SEE INTERIOR ELEVATIONS FOR LOCATION AND EXTENT OF APPLIED WALL FINISHES.
4. METAL STUD DESIGN IS DELEGATED DESIGN. SEE METAL STUD DRAWINGS BY OTHERS.
5. PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON ALL WALLS OF TOILET ROOMS, KITCHEN AREAS AND BEHIND DRINKING FOUNTAINS.
6. PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE APPLICATIONS.
7. ASSEMBLIES FOR FIRE RATED WALLS SHALL EXTEND FROM STRUCTURAL FLOOR TO UNDERSIDE OF FLOOR OR ROOF ABOVE UNLESS SPECIFICALLY NOTED OTHERWISE. ALL OPENINGS SHALL BE PROTECTED AS REQUIRED BY CODE.
8. AT RATED WALLS ABOVE ACCESSIBLE CEILINGS, PROVIDE IDENTIFICATION SIGNAGE, SPACED AT NOT MORE THAN 30 FEET MEASURED HORIZONTALLY, INDICATING "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS".
9. PROVIDE FIRE BLOCKING IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS VERTICALLY AT THE CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.
10. WHERE LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS OTHERWISE NOTED.



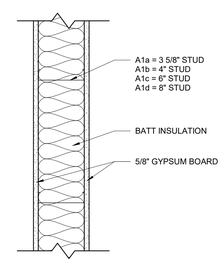
1 WALL TYPE - A7

SCALE: 1 1/2" = 1'-0" TEST # OCF-W-27-69



A2 WALL TYPE - A2

SCALE: 1 1/2" = 1'-0" UL U419



A1 WALL TYPE - A1

SCALE: 1 1/2" = 1'-0"

CLIENT

BEAVERTON SCHOOL DISTRICT

1260 NW Waterhouse Avenue
Beaverton, OR 97006

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Arcadis Architects (USA) Inc.

ISSUES

No.	DESCRIPTION	DATE
	BID SET	2023-04-21

CONSULTANTS

SEAL

REGISTERED ARCHITECT
4346
JAMES M. FITZPATRICK
PORTLAND, OREGON
STATE OF OREGON

PRIME CONSULTANT

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tel 503 226 6950 fax 503 273 9192

PROJECT

BSD ADMIN OFFICE TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE
WALL TYPES - INTERIOR

SHEET NUMBER
G1112

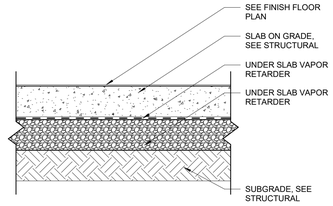
Autodesk Docs://142595-BSD_High/School R2022/142595_BSDAdmin/1_R22.rvt

SCALE CHECK
10mm
1in

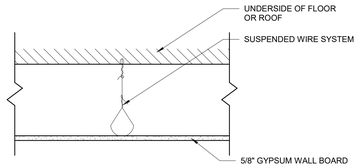
2023-04-21 2:07:56 PM

HORIZONTAL ASSEMBLY NOTES:

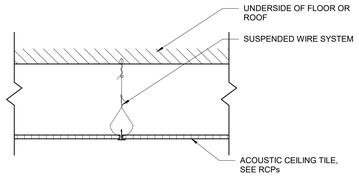
1. NOTED HORIZONTAL ASSEMBLY TYPE DEPICTS TYPICAL WALL CONSTRUCTION. SEE ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL INFORMATION.
2. SEE FLOOR FINISH PLAN FOR LOCATION AND EXTENT OF FLOOR FINISHES.
3. SEE REFLECTED CEILING PLANS FOR LOCATION AND EXTENT OF CEILING AND SOFFIT.



F1 FLOOR TYPE - F1
SCALE: 1 1/2" = 1'-0"



C2 TYPE GWB-1
SCALE: 1 1/2" = 1'-0"



C1 TYPE ACT-1
SCALE: 1 1/2" = 1'-0"

CLIENT

BEAVERTON SCHOOL DISTRICT

1260 NW Waterhouse Avenue
Beaverton, OR 97006

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tel 503 226 6950 fax 503 273 9192

PROJECT

BSD ADMIN OFFICE TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE

HORIZONTAL ASSEMBLIES INTERIOR

SHEET NUMBER

G1113

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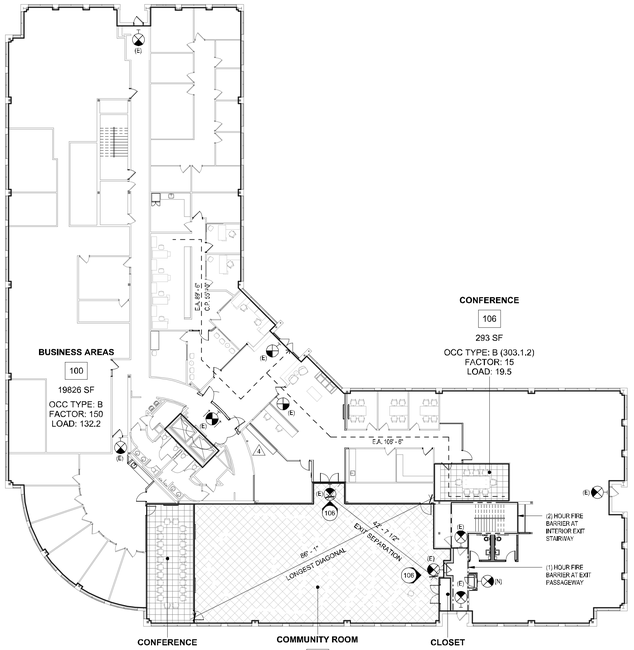
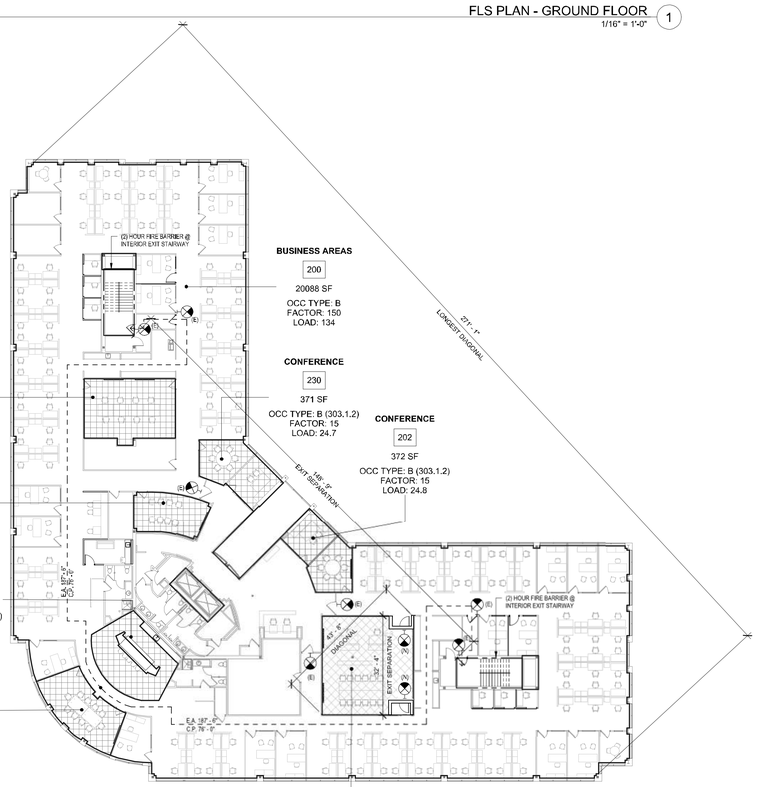
Autodesk Docs://142595-BSD_HighSchool R2022/142595_BSDAdminTI_R22.rvt

SCALE CHECK
1 in 1 in



FLS PLAN - GROUND FLOOR 1
1/16" = 1'-0"



FLS PLAN - SECOND FLOOR 3
1/16" = 1'-0"

TABLE 1004.1.2 OCCUPANT LOAD

NAME	SIZE	OCCUPANCY TYPE	LOAD FACTOR	OCCUPANT LOAD	LEVEL
CONFERENCE	293 SF	B (303,1,2)	15	19,5	FINISHED FLOOR
COMMUNITY ROOM	3160 SF	A-3	15	210,7	FINISHED FLOOR
BUSINESS AREAS	19826 SF	B	150	132,2	FINISHED FLOOR
CLOSET	39 SF	B	300	0,1	FINISHED FLOOR
CONFERENCE	600 SF	B (303,1,2)	30	40	FINISHED FLOOR
FINISHED FLOOR	23918 SF			402,5	
CONFERENCE	372 SF	B (303,1,2)	15	24,8	FINISHED FLOOR 2
COLLABORATION	953 SF	A-3 (ACC)	15	65,3	FINISHED FLOOR 2
BUSINESS AREAS	20088 SF	B	150	134	FINISHED FLOOR 2
TRAINING	588 SF	B (303,1,2)	15	39,2	FINISHED FLOOR 2
CONFERENCE	371 SF	B (303,1,2)	15	24,7	FINISHED FLOOR 2
CONFERENCE	294 SF	B (303,1,2)	15	19,6	FINISHED FLOOR 2
CONFERENCE	419 SF	B (303,1,2)	15	27,9	FINISHED FLOOR 2
BREAK	461 SF	B (303,1,2)	15	30,7	FINISHED FLOOR 2
FINISHED FLOOR 2	23549 SF			396,2	
CONFERENCE	743 SF	B (303,1,2)	15	49,5	FINISHED FLOOR 3
CONFERENCE	147 SF	B (303,1,2)	15	4,9	FINISHED FLOOR 3
COLLABORATION	715 SF	B (303,1,2)	15	47,7	FINISHED FLOOR 3
CONFERENCE	298 SF	B (303,1,2)	15	19,9	FINISHED FLOOR 3
COLLABORATION	335 SF	B (303,1,2)	15	22,3	FINISHED FLOOR 3
CONFERENCE	147 SF	B (303,1,2)	15	9,8	FINISHED FLOOR 3
IT LAB	584 SF	B	50	11,7	FINISHED FLOOR 3
OPEN OFFICE	19983 SF	B	150	133,3	FINISHED FLOOR 3
COLLABORATION	194 SF	B (303,1,2)	15	12,9	FINISHED FLOOR 3
COLLABORATION	420 SF	B (303,1,2)	15	28	FINISHED FLOOR 3
CONFERENCE	423 SF	B (303,1,2)	15	28,2	FINISHED FLOOR 3
FINISHED FLOOR 3	23969 SF			367,5	
	71443 SF			1136,2	

PLUMBING CALCULATIONS (2902.1)

THIS PROJECT PROPOSES NON-SIMULTANEOUS USE BETWEEN THE PRIMARY (B-BUSINESS) OCCUPANCY OF THE DISTRICT'S CENTRAL OFFICE DURING REGULAR BUSINESS HOURS AND THE COMMUNITY ROOM (A-ASSEMBLY) USED AFTER HOURS AND IN OFFSETTING TIMES.

RESTROOMS ON THE GROUND FLOOR WILL BE MADE AVAILABLE TO THE ASSEMBLY SPACE DURING OCCUPIED HOURS.

BUSINESS FIXTURE COUNT - (REGULAR BUSINESS HOURS)

TOTAL OCCUPANT LOAD: **925.5 PEOPLE** (462.5 EACH GENDER)

861 PEOPLE (B - BUSINESS)
64 PEOPLE (A - ASSEMBLY)

WATER CLOSETS: **11 REQUIRED FOR MEN // 9 WC + 6 URINALS PROVIDED**
11 REQUIRED FOR WOMEN // 13 PROVIDED

5.6 (B @ 462.5 PER GENDER - 1:25 FOR FIRST 50, 1:50 AFTER)
.26 MEN (A @ 33 PER GENDER - 1:125)
.21 WOMEN (A @ 33 PER GENDER - 1:65)

LAVATORIES: **7 REQUIRED PER GENDER/14 TOTAL PROVIDED**

6.3 (B @ 462.5 PER GENDER - 1:40 FOR FIRST 80, 1:80 AFTER)
0.5 (A @ 33 PER GENDER - 1:200)

DRINKING FOUNTAINS: NOT REQUIRED FOR B-OCCUPANCY, 1 REQUIRED PER FLOOR FOR ASSEMBLY.

NOTE: WATER IS PROVIDED WITHIN EACH BREAK ROOM FOR EMPLOYEES ON EACH LEVEL.

ASSEMBLY FIXTURE COUNT - (AFTER WORK HOURS)

TOTAL OCCUPANT LOAD: **212 PEOPLE** (106.0 EACH GENDER)

212 PEOPLE (A-3 - AUDITORIUM, NO FIXED SEATING)

WATER CLOSETS: **1 REQUIRED FOR MEN // 2 WC + 2 URINALS PROVIDED**
2 REQUIRED FOR WOMEN // 3 PROVIDED

0.85 (A-3 @ 106 MEN - 1:125)
1.03 (A-3 @ 106 WOMEN - 1:65)

NOTE: A FAMILY RESTROOM IS NOT REQUIRED PER 1109.2.1 AS THE ASSEMBLY OCCUPANCY REQUIRES LESS THAN (6) WATER CLOSETS

LAVATORIES: **1 REQUIRED PER GENDER/4 TOTAL PROVIDED**

0.53 (A-3 @ 106 PER GENDER - 1:200)

DRINKING FOUNTAINS: **(1) REQUIRED ON FLOOR WITH ASSEMBLY OCCUPANCY // (2) PROVIDED**
PER 2902.5.1

FIRE LIFE SAFETY (BY GENERAL CONTRACTOR)

THE FOLLOWING FIRE LIFE SAFETY REQUIREMENTS TO BE COMPLETED BY THE GENERAL CONTRACTOR. PROVIDE THE APPROPRIATE SUBMITTAL TO THE ARCHITECT FOR REVIEW AND COORDINATION PRIOR TO SUBMITTING TO THE AUTHORITY HAVING JURISDICTION.

CODE REQUIRED SIGANGE

A. PROVIDE REQUIRED CODE REQUIRED SIGNAGE AS PRESCRIBED BY THE OREGON STRUCTURAL SPECIALTY CODE AND THE INTERNATIONAL FIRE CODE. COORDINATE LOCATION WITH ARCHITECT AND AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

B. THE FOLLOWING ITEMS ARE TYPICALLY PROVIDED BY THE GENERAL CONTRACTOR, BUT MAY NOT EXHAUSTIVE OF ALL UNIQUE PROJECT REQUIREMENTS. COORDINATE EXTENT OF CODE REQUIRED SIGNAGE WITHIN THIS PROJECT WITH ARCHITECT OF RECORD PRIOR TO SUBSTANTIAL COMPLETION.

C. **OREGON SPECIALTY STRUCTURAL CODE - BASED ON THE INTERNATIONAL BUILDING CODE (IBC)**

- OCCUPANT LOAD (1004.3)
- 1-WAY/2-WAY COMMUNICATION DEVICES (IBC 1007.8,9)
- AREAS OF REFUGE (IBC 1007.9)
- DELAYED EMERGENCY EXIT DOORS (IBC 1008.1.9)
- KEY LOCKS ON EGRESS SIDE OF DOORS (IBC 1008.1.9)
- EXIT SIGNAGE (IBC 1011.1)
- FLOOR IDENTIFICATION (IBC 1022.8)
- ACCESSIBILITY ELEMENTS AND DIRECTIONAL SIGNAGE (IBC 1110)
- ELEVATOR EMERGENCY SIGNS (IBC 3002.3)

D. **OREGON FIRE CODE - BASED ON THE INTERNATIONAL FIRE CODE (IFC)**

- NO SMOKING (IFC 310.3)
- PREMISES IDENTIFICATION (IFC 509.1)
- FIRE PROTECTION EQUIPMENT SIGNS (IFC 509.1)
- ELECTRICAL CONTROL ROOMS (IFC 605.3.1)
- FIRE DOORS (IFC 703.2.4)
- FIRE DEPARTMENT CONNECTIONS (IFC 912.4)

RATED ASSEMBLIES

A. WHERE RATED ASSEMBLIES ARE SHOWN ON THE FLS PLAN, PROVIDE A UL OR GA LISTED RATED ASSEMBLY TO MEET THE FIRE RATING REQUIREMENTS TO THE ARCHITECT FOR REVIEW.

B. PROVIDE A UL OR GA LISTED PERIMETER JOINT ASSEMBLY AND THROUGH PENETRATION FIRE STOP ASSEMBLY MEETING THE FIRE RATED REQUIREMENT OF THE WALL, FLOOR/CEILING OR ROOF ASSEMBLY SHOWN ON THE FLS PLANS.

C. PROVIDE A SUBMITTAL CUTSHEET TO THE ARCHITECT OF EACH SELECTED FIRE RESISTANT ASSEMBLY PRIOR TO INSTALLATION.

EMERGENCY LIGHTING REQUIREMENTS

A. MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE IS SERVED BY THE MEANS OF EGRESS.

B. PROVIDE MINIMUM 1 FOOT-CANDLE OF ILLUMINATION AT ALL MEANS OF EGRESS. THE POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE BUILDING'S ELECTRICAL SUPPLY. IN THE EVENT OF A POWER FAILURE, THE EMERGENCY POWER SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH 2015 IRC SECTION 2702 AND 2015 IBC SECTION 1009.

C. PRIOR TO FINAL INSPECTION, SUBMIT DOCUMENTATION SUBSTANTIATING THE COMPLETION OF TEST FOR THE MEANS OF EGRESS ILLUMINATION LEVEL PER 2015 IBC 1008.2.1, 1008.2 AND EMERGENCY POWER PER 1008.3.3.

DELEGATED DESIGN SUBMITTALS/PERMITS

A. ITEMS LISTED AS A DEFERRED SUBMITTAL ON DESIGN BUILD ITEMS ON SHEET G001 REQUIRE ENGINEERING TO BE PROVIDED BY THE GENERAL CONTRACTOR.

B. PROVIDE A COMPLETE AND ENGINEERED SYSTEM TO MEET THE DESIGN INTENT CONTAINED WITHIN THESE CONTRACT DOCUMENTS. PROVIDE A SUBMITTAL TO THE ARCHITECT FOR REVIEW OF DESIGN INTENT CONFORMANCE ONLY. THIS REVIEW DOES NOT CONSTITUTE A PROFESSIONAL PEER REVIEW OF THE SYSTEMS SUBMITTED.

C. WHERE A LICENSED DESIGN PROFESSIONAL IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE GENERAL CONTRACTOR IS TO SECURE THESE SERVICES AND PROVIDE STAMPED DOCUMENTS TO MEET THE LOCAL REQUIREMENTS FOR A DEFERRED SUBMITTAL OR SEPARATE PERMIT.

D. ADDITIONAL DEFERRED SUBMITTAL OR PERMIT FEES TO BE PAID BY THE GENERAL CONTRACTOR.

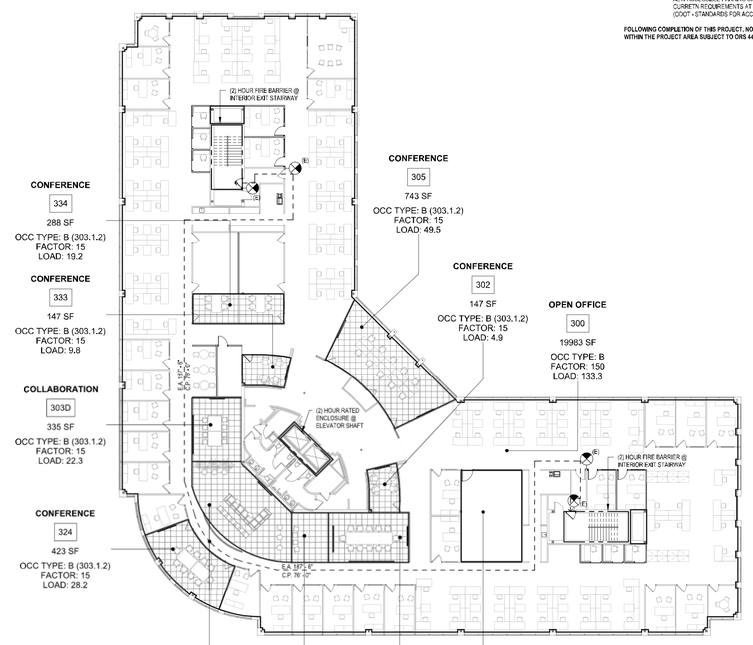
ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USABLE BY INDIVIDUALS WITH DISABILITIES, UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVEMENT MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018)

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.



FLS PLAN - THIRD FLOOR 2
1/16" = 1'-0"

CODE SUMMARY

APPLICABLE CODES

2021 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC)
2019 OREGON MECHANICAL CODE (OMSC)
2021 OREGON PLUMBING SPECIALTY CODE (OPSC)
2021 OREGON ELECTRICAL SPECIALTY CODE (OESC)
2019 OREGON FIRE CODE (OFC)
NCQUANS 8.1.1.1 - 2017

CITY OF BEAVERTON MUNICIPAL CODE

CONSTRUCTION TYPE & USE (CHAPTERS 3,4 & 5)

BUILDING OCCUPANCY: B (OFFICE), A-3 (ASSEMBLY)

CONSTUCTION TYPE: **B-B** (SPRINKLERED) - *FORMERLY II-1 HR 1993 OSSC/ 1991 UBC*
STORIES: 3 STORIES ABOVE GRADE

EXISTING FLOOR AREA: 74,824 SF
LEVEL 1: 24,911 SF
LEVEL 2: 24,722 SF
LEVEL 3: 25,081 SF

EXISTING HEIGHT: 39'-6" AFF

SEPARATION: NON-SEPARATED OCCUPANCIES

NOTE: THE BUILDING IS FULLY SURROUNDED BY OPEN SPACE OR PUBLIC RIGHT OF WAY IN ACCORDANCE WITH SECTION 506.3.2, THE MAXIMUM FRONTAGE INCREASE (75%) IS USED.

$A_a = [A + (NS \times If) \times Sa$
A_a = 108,815 SF FOR A-3 OCCUPANCY/WORST CASE (506.3.2)

FIRE-RESISTANT RATING REQUIREMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME: **0 HOURS**
BEARING WALLS:
EXTERIOR: **0 HOURS**
INTERIOR: **0 HOURS**
NON BEARING WALLS AND PARTITIONS:
EXTERIOR: **SEE SHELL FLS PLANS**
INTERIOR: **0 HOUR**
FLOOR CONSTRUCTION: **0 HOURS**
ROOF CONSTRUCTION: **0 HOURS**

INTERIOR FINISHES (CHAPTER 8)

ALL INTERIOR AND CEILING FINISH MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND MEET THE FOLLOWING SMOKE-DEVELOPED INDEXES AS REQUIRED BY TABLE 803.9 BELOW:

INTERIOR EXIT STAIRWAYS, EXIT RAMPS AND EXIT PASSAGEWAYS: **CLASS A**
CORRIDORS AND ENCLOSURES FOR EXIT STAIRWAYS AND RAMPS: **CLASS B**
ROOMS AND ENCLOSED SPACES: **CLASS C**

MEANS OF EGRESS (CHAPTER 10)

1006.2.1 NUMBER OF EXITS: MORE THAN ONE EXIT IS REQUIRED FROM EACH TENANT SUITE IF THE OVERALL OCCUPANT LOAD IS GREATER THAN 49

1006.2.1 COMMON PATH OF EGRESS TRAVEL: THE MAXIMUM COMMON PATH OF EGRESS TRAVEL FOR OCCUPANCY GROUPS B SHALL NOT BE MORE THAN **100 FEET** WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1

1007.1.1 EXIT DISTANCE: WHERE TWO EXITS ARE REQUIRED, THE SEPARATION DISNACE SHALL NOT BE LESS THAN **1/3RD THE DIAGONAL** WITH AN AUTOMATIC SPRINKLER SYSTEM.

1016.2 EXIT TRAVEL DISTANCE: MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY B, SPRINKLERED: **300'**

1020.1 CORRIDOR FIRE-RESISTANCE RATING: NO FIRE RESISTANT RATING IS REQUIRED FOR OCCUPANCY TYPES B FOR BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1

EXISTING BUILDING COMPLIANCE (IEBC)

THE FOLLOWING ITEMS DESCRIBED PRESCRIPTIVE COMPLIANCE PATH REQUIREMENTS FOR THE PROJECT TO MEET CHAPTER 3 AND CHAPTER 5 REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE REFERENCED THROUGH CHAPTER 34 OF THE OREGON SPECIALTY STRUCTURAL CODE.

CHAPTER 3 - PROVISIONS FOR ALL COMPLIANCE METHODS

THE FOLLOWING REQUIREMENTS APPLY TO ALL ALTERATIONS, REPAIRS, ADDITIONS AND CHANGES OF OCCUPANCY REGARDLESS OF COMPLIANCE METHODS.

A. EXISTING MATERIALS (302.4) - MATERIALS ALREADY IN USE IN THE BUILDING IN COMPLIANCE WITH THEIR TIME OF INSTALLATION SHALL BE PERMITTED TO REMAIN UNLESS DETERMINED BY THE BUILDING OFFICIAL TO BE UNSAFE.

B. NEW & REPLACEMENT MATERIALS (302.5) - MATERIALS ALLOWED UNDER CURRENT CODES FOR NEW CONSTRUCTION SHALL BE USED. IN THE CASE OF REPAIRS OR ALTERATIONS, LIKE MATERIALS TO EXISTING MAY BE USED IF THEY PROVIDE NO HAZARD TO LIFE, HEALTH OR PROPERTY.

C. ACCESSIBILITY FOR EXISTING BUILDINGS (305) -
a. EXTENT OF APPLICATION (305.3) - ALTERATIONS SHALL NOT REDUCE OR HAVE THE EFFECT OF REDUCING ACCESSIBILITY OF A FACILITY OR PORTION OF A FACILITY.

b. ALTERATIONS (305.6) - ALTERATIONS OF PRIMARY FUNCTIONS/20% RULE (305.7) - WHERE AN ALTERATION AFFECTS AN AREA CONTAINING A PRIMARY FUNCTION, THE ROUTE TO THE PRIMARY FUNCTION SHALL BE ACCESSIBLE. THE ACCESSIBLE ROUTE TO THE PRIMARY AREA SHALL INCLUDE TOILET FACILITIES AND DRINKING FOUNTAINS SERVING THIS AREA. THE MAXIMUM COSTS OF PROVIDING THE ACCESSIBLE ROUTE SHALL NOT EXCEED 20% OF THE COSTS OF THE ALTERATIONS AFFECTING THE PRIMARY AREA.

CHAPTER 5 - PRESCRIPTIVE COMPLIANCE

THIS PROJECT PROPOSES USING THE PRESCRIPTIVE COMPLIANCE METHOD OUTLINED IN CHAPTER 5 OF THE 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC) AS MODIFIED BY CHAPTER 34 OF THE OSSC.

A. THIS PROJECT SHALL MEET THE REQUIREMENTS OF CHAPTER 5 (PRESCRIPTIVE COMPLIANCE METHOD) OF THE INTERNATIONAL EXISTING BUILDING CODE. NO PORTION OF THIS PROJECT SHALL ALTER THE EXISTING BUILDING TO BECOME LESS SAFE THAN ITS EXISTING CONDITION.

B. ALTERNATIONS (503): ALTERATIONS TO EXISTING BUILDINGS SHALL COMPLY WITH CURRENT BUILDING CODE FOR NEW CONSTRUCTION.
a. STRUCTURAL ELEMENTS - GRAVITY LOAD - LOADS ON EXISTING STRUCTURAL ELEMENTS CARRYING GRAVITY LOADS SHALL NOT BE INCREASED MORE THAN 5% OR WILL NEED TO BE STRENGTHENED.

b. STRUCTURAL ELEMENTS - LATERAL LOADS - ADDITIONAL LOADS LESS THAN 10% ON THE DEMAND-CAPACITY RATIO OF EXISTING ELEMENTS MAY BE IGNORED.

C. WINDOWS AND EMERGENCY ESCAPE OPENINGS (505):
a. REPLACEMENT WINDOW OPENING CONTROL DEVICE (505.2) - WITHIN R-2 OCCUPANCIES, WINDOW OPENING CONTROL DEVICES COMPLYING ASTM F2090 SHALL BE INSTALLED WHERE AN EXISTING WINDOW IS REPLACED.

a. EMERGENCY ESCAPE AND RESCUE OPENINGS (505.4) - EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

D. CHANGE OF OCCUPANCY (506):
a. NO CHANGES OF OCCUPANCY SHALL BE MADE UNLESS THAT BUILDING IS MADE TO COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODE FOR THAT USE OR OCCUPANCY. CHANGES OF OCCUPANCY SHALL NOT MAKE THE BUILDING LESS COMPLIANT WITH CODE REQUIREMENTS THAN IT WAS PRIOR TO THE CHANGE.

LEGEND - FLS PLANS

NOTE: PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

- 1/2 HOUR FIRE PARTITION - 20 MINUTE DOOR
- 1 HOUR FIRE PARTITION - 45 MINUTE DOOR
- 1 HOUR FIRE BARRIER - 60 MINUTE DOOR
- 2 HOUR FIRE BARRIER - 90 MINUTE DOOR
- 3 HOUR FIRE BARRIER - 20 MINUTE DOOR
- 24 — EGRESS PATH OF TRAVEL WITH MINIMUM CLEARANCE WIDTH INDICATED. *PROVIDE MINIMUM ILLUMINATION FOR EXITING.*
- CP X'-X" — COMMON PATH OF EGRESS TRAVEL (OSSC 1014.3)
- E.A. X'-X" — EXIT ACCESS DISTANCE (OSSC 1016)
- 16 — OCCUPANT LOAD AT OPENING
- 19 — CUMMULTIVE OCCUPANT LOAD AT OPENING
- LIGHTED EXIT SIGN - CEILING MOUNTED *SHADING INDICATES LIGHTED FACE(S). DIRECTION ARROW CORRESPONDS TO DIRECTION ARROW ON SIGN*
- LIGHTED EXIT SIGN - WALL MOUNTED
- F.E.C — FIRE EXTINGUISHER CABINET - COORDINATE LOCATION WITH FIRE MARSHAL.

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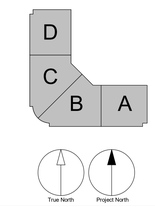
KEYPLAN



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PROJECT
BSD ADMIN OFFICE TENANT IMPROVEMENT
1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE
FIRE, LIFE, & SAFETY PLANS

SHEET NUMBER
G1201

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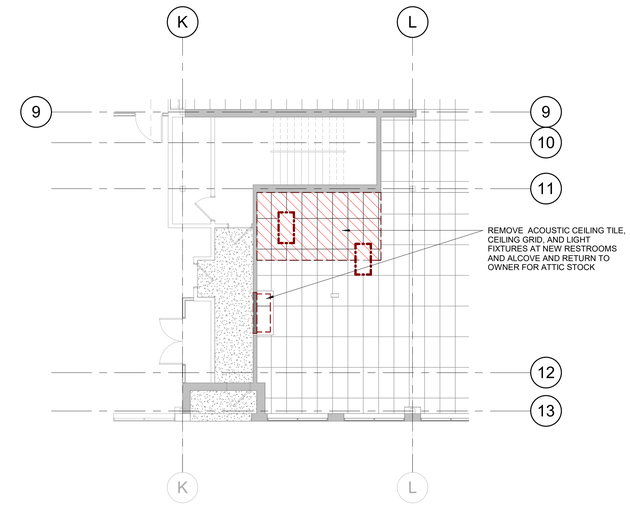
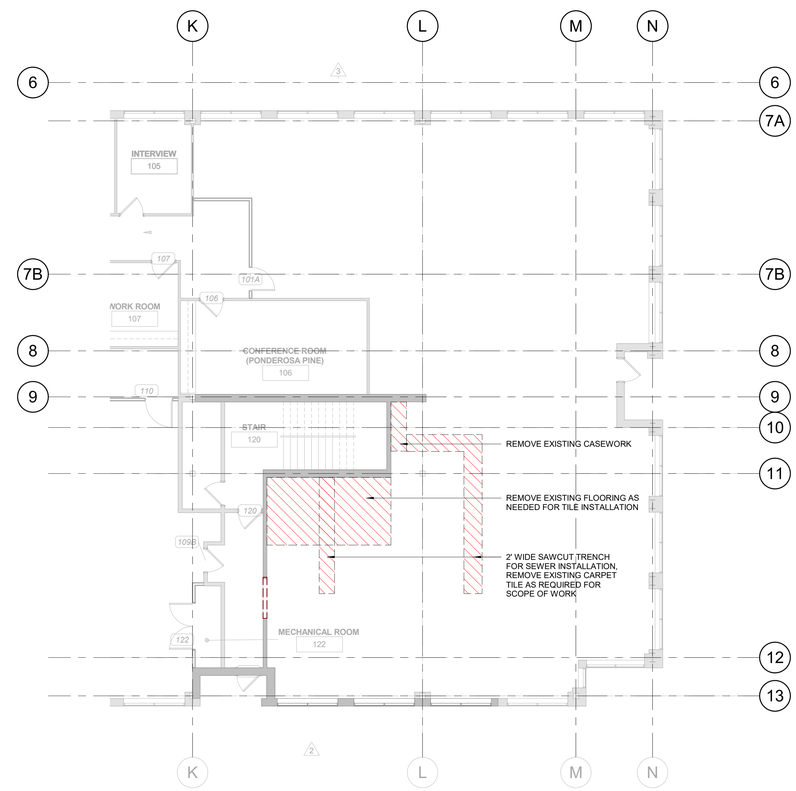


2 REFLECTED CEILING PLAN - SECTOR A - GROUND LEVEL

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



1 DEMO PLAN - SECTOR A - GROUND LEVEL

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

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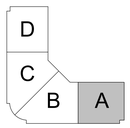

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PROJECT

BSD ADMIN OFFICE TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE

ARCHITECTURAL DEMOLITION PLANS

SHEET NUMBER

AD1201

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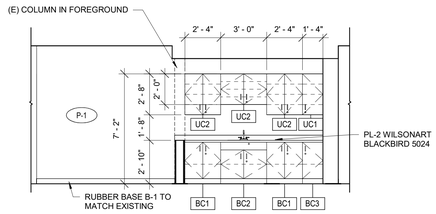
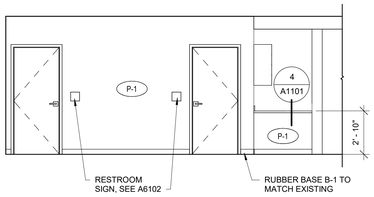
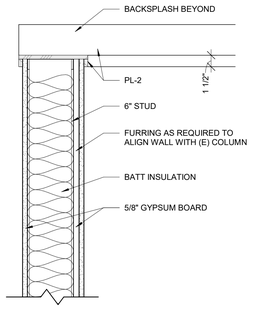


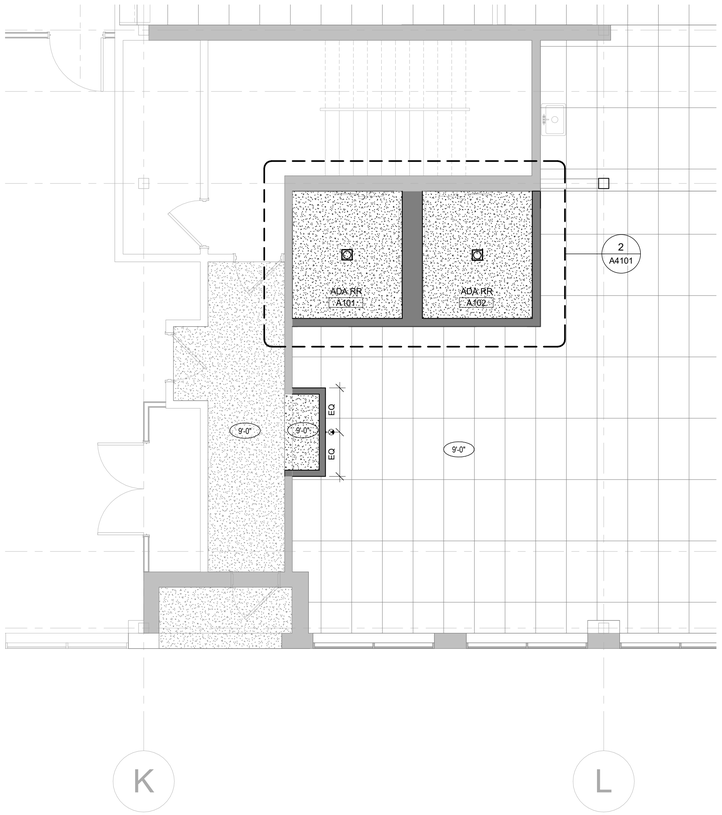
3 NEW CASEWORK ELEVATION - WEST
SCALE: 1/4" = 1'-0"



2 NEW RESTROOMS ELEVATION - SOUTH
SCALE: 1/4" = 1'-0"

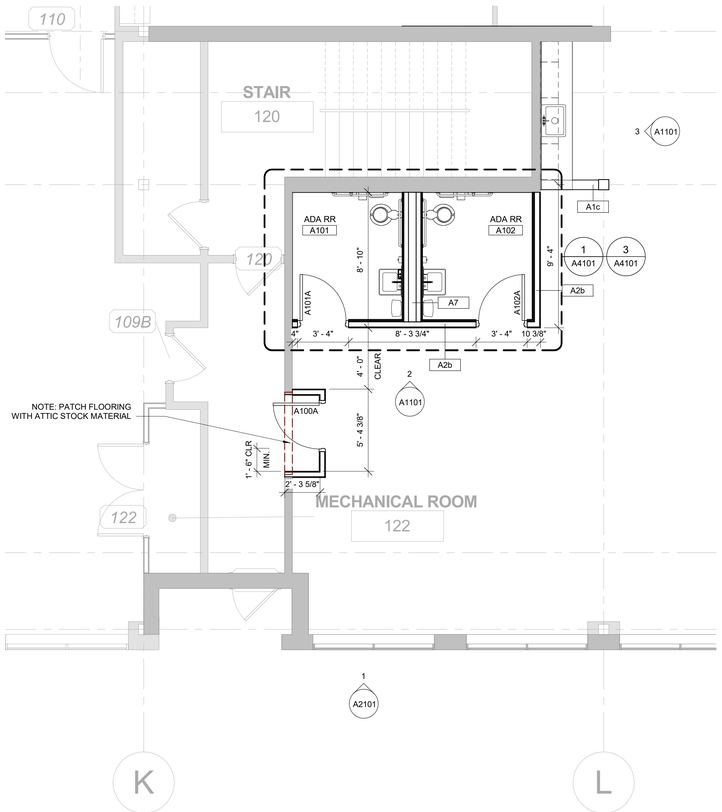


4 WALL CAP DETAIL
SCALE: 1 1/2" = 1'-0"



6 REFLECTED CEILING PLAN - SECTOR A - GROUND LEVEL
SCALE: 1/4" = 1'-0"

1 OVERALL FLOOR PLAN - GROUND FLOOR
SCALE: 1/16" = 1'-0"



5 FLOOR PLAN - SECTOR A - GROUND LEVEL
SCALE: 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES:

1. DIMENSIONS SHOWN ARE TO FACE OF STUD, FACE OF MASONRY OR CENTERLINE OF COLUMN OR GRID LINE UNLESS NOTED OTHERWISE.
2. DOORS NOT LOCATED BY DIMENSION ARE TO BE CENTERED IN WALLS AS SHOWN OR LOCATED 4 1/2" FROM FACE OF STUD TO FACE OF JAMB.
3. MASONRY DIMENSIONS ARE NOMINAL. COORDINATE ACTUAL ROUGH OPENING MASONRY DIMENSIONS.
4. DIMENSIONS AT GLAZING ASSEMBLIES ARE TO CENTER OF ASSEMBLY UNLESS NOTED OTHERWISE.
5. USE DIMENSIONS SHOWN; IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM DRAWINGS. CROSS CHECK DETAILS AND DIMENSIONS SHOWN ON ARCHITECTURAL DRAWINGS WITH RELATED REQUIREMENTS ON STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER DRAWINGS AS APPLICABLE. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
6. CONDITIONS AND DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE. TYPICAL DETAILS NOT REFERENCED ON DRAWINGS APPLY UNLESS NOTED OTHERWISE BY SPECIFIC NOTES AND DETAILS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR THE TYPICAL CONSTRUCTION OF THE PROJECT.
7. WHERE NO SPECIFIC STANDARDS ARE APPLIED TO A MATERIAL OR METHOD OF CONSTRUCTION TO BE USED ON THE WORK, ALL SUCH MATERIAL AND METHODS ARE TO MAINTAIN STANDARDS OF THE INDUSTRY AND, WHERE APPLICABLE, MANUFACTURER'S INSTRUCTIONS.
8. LOADING OF CONSTRUCTION MATERIALS SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.
9. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS, AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
10. PROVIDE ALL NECESSARY ANCHORAGE BLOCKING, BACKING, FRAMING FOR HANDRAILS, DOOR STOPS, CASEWORK, SHELVING, MIRRORS, WALL MOUNTED EQUIPMENT, AND ALL OTHER ITEMS AS REQUIRED FOR COMPLETE INSTALLATION.
11. CONFIRM ALL ROUGH OPENING DIMENSIONS FOR DOORS AND WINDOWS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
12. WHERE A LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS NOTED OTHERWISE.
13. PROVIDE SOLID BLOCKING BETWEEN ROOF JOISTS WHERE WALL RUNS PERPENDICULAR TO ROOF JOISTS. GYPSUM BOARD TO TERMINATE AT ROOF JOISTS.
14. WHERE WALLS ARE NOT TAGGED, ASSUME WALL TYPE A1a.
15. FRAME 4" BASE FOR ALL LOCKERS, FLOOR FINISHES EXTEND TO BASE.
16. INTERIOR FINISH FACE OF WALLS IS CONTINUOUS. FURR-OUT WALLS TO ACHIEVE FLUSH CONDITION FOR INTERIOR GYPSUM BOARD.
17. PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN ALL TOILET ROOMS, RESTROOMS, SHOWER AREAS, CUSTODIAL ROOMS, KITCHEN AREAS, AND BEHIND DRINKING FOUNTAINS. PROVIDE BACKER BOARD BEHIND ALL TILE WALL APPLICATIONS.
18. SEE ENLARGED TOILET ROOM PLANS AND VERTICAL CIRCULATION PLANS FOR MORE INFORMATION.
19. SEE SLAB PLAN FOR LOCATION OF SLAB EDGES.

WALL TYPE GENERAL NOTES:

1. NOTED WALL TYPE DEPICTS TYPICAL WALL CONSTRUCTION. SEE ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL INFORMATION.
2. ASSEMBLIES FOR WALLS SHALL EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE. SOUND BATT INSULATION TO EXTEND FULL HEIGHT IN WALL ASSEMBLIES UNLESS NOTED OTHERWISE.
3. SEE INTERIOR ELEVATIONS FOR LOCATION AND EXTENT OF APPLIED WALL FINISHES.
4. METAL STUD DESIGN IS DELEGATED DESIGN. SEE METAL STUD DRAWINGS BY OTHERS.
5. PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON ALL WALLS OF TOILET ROOMS, KITCHEN AREAS AND BEHIND DRINKING FOUNTAINS.
6. PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE APPLICATIONS.
7. ASSEMBLIES FOR FIRE RATED WALLS SHALL EXTEND FROM STRUCTURAL FLOOR TO UNDERSIDE OF FLOOR OR ROOF ABOVE UNLESS SPECIFICALLY NOTED OTHERWISE. ALL OPENINGS SHALL BE PROTECTED AS REQUIRED BY CODE.
8. AT RATED WALLS ABOVE ACCESSIBLE CEILINGS, PROVIDE IDENTIFICATION SIGNAGE, SPACED AT NOT MORE THAN 30 FEET MEASURED HORIZONTALLY, INDICATING "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS".
9. PROVIDE FIRE BLOCKING IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS VERTICALLY AT THE CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.
10. WHERE LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS OTHERWISE NOTED.

FINISH LEGEND

FLOOR FINISHES:
CPT-1 CARPET TILE
PT-1 PORCELAIN - MOSA GLOBAL COLLECTION, 75610 SMALL SPECKLED WHITE, 12 X 12

B-1 4" RUBBER BASE, DARK GRAY TO MATCH EXISTING
B-2 4" RUBBER BASE, LIGHT GRAY TO MATCH EXISTING

WALL FINISHES:
P-1 WHITE TO MATCH EXISTING
P-2 BLUE TO MATCH EXISTING
P-3 BLACK

CT-1 CERAMIC WALL TILE - DALTILE NATURAL HUES, PEARL WHITE QH63 6 X 6
CT-2 CERAMIC WALL TILE - DALTILE NATURAL HUES, PEPPER QH55 6 X 6

LAMINATES:
PL-1 WILSONART KENSINGTON MAPLE 10776
PL-2 WILSONART BLACKBIRD 5024
PL-3 ALMOND

OTHER:
HPC-1 BLACK TO MATCH EXISTING
SSM-1 RESIN

CORNER GUARD:
CG-1 42" L, 90 DEGREE
CG-2 42" L, U SHAPE

XX-X FINISH TAG

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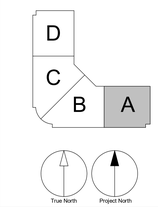

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PROJECT
BSD ADMIN OFFICE TENANT IMPROVEMENT
1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE
FLOOR PLAN - GROUND LEVEL

SHEET NUMBER
A1101

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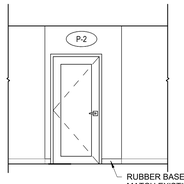
SCALE CHECK
1 in



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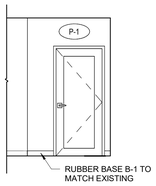
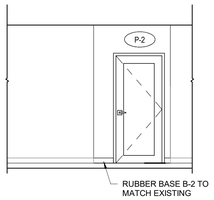


5

BREAKROOM NEW DOOR - NORTH

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



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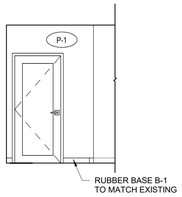

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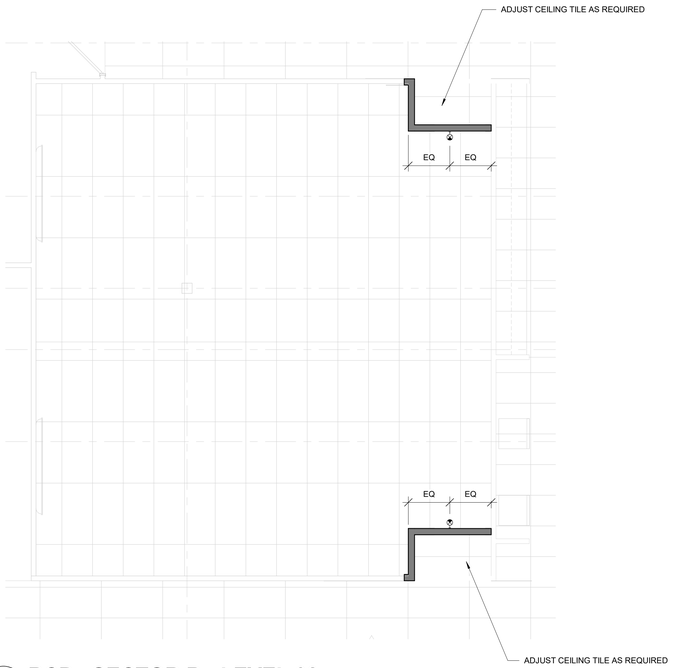
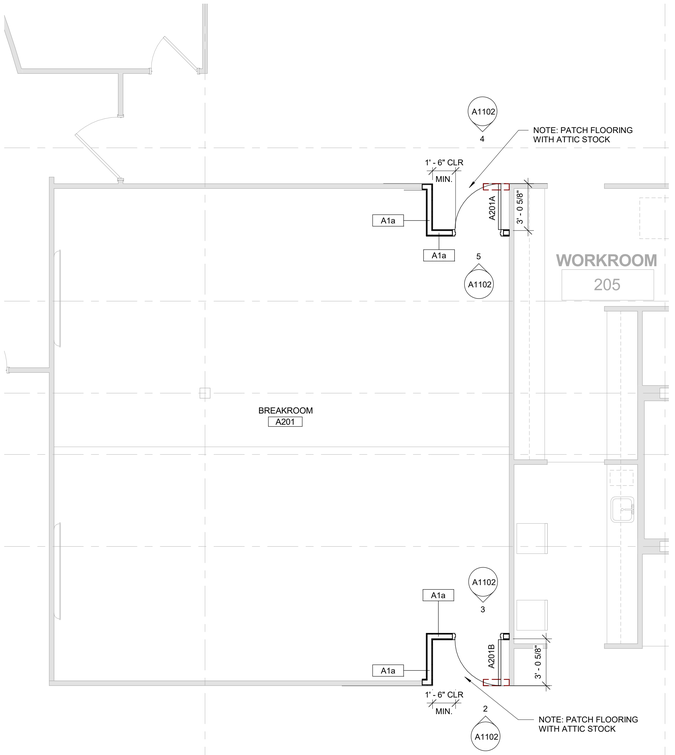
BREAKROOM NEW DOOR - SOUTH

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



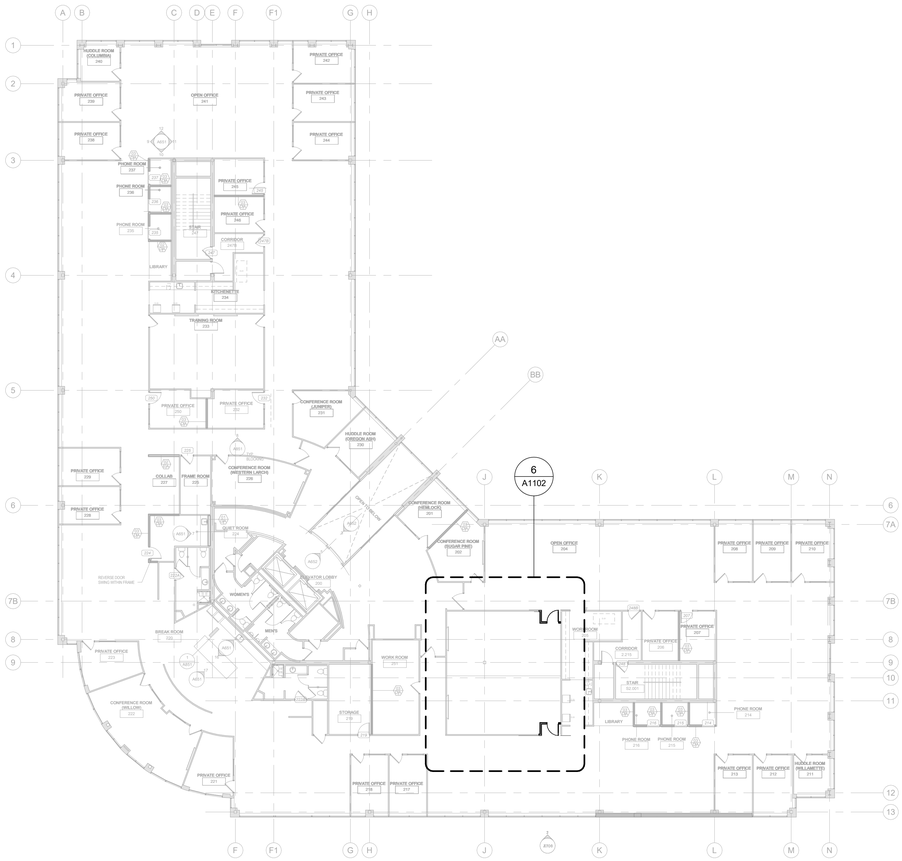
7 **RCP - SECTOR B - LEVEL 02**

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



6 **FLOOR PLAN - SECTOR B - LEVEL 02**

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



1 **OVERALL FLOOR PLAN - LEVEL 02**

SCALE: 1/16" = 1'-0"

FLOOR PLAN GENERAL NOTES:

1. DIMENSIONS SHOWN ARE TO FACE OF STUD, FACE OF MASONRY OR CENTERLINE OF COLUMN OR GRID LINE UNLESS NOTED OTHERWISE.
2. DOORS NOT LOCATED BY DIMENSION ARE TO BE CENTERED IN WALLS AS SHOWN OR LOCATED 4 1/2" FROM FACE OF STUD TO FACE OF JAMB.
3. MASONRY DIMENSIONS ARE NOMINAL. COORDINATE ACTUAL ROUGH OPENING MASONRY DIMENSIONS.
4. DIMENSIONS AT GLAZING ASSEMBLIES ARE TO CENTER OF ASSEMBLY UNLESS NOTED OTHERWISE.
5. USE DIMENSIONS SHOWN; IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM DRAWINGS. CROSS CHECK DETAILS AND DIMENSIONS SHOWN ON ARCHITECTURAL DRAWINGS WITH RELATED REQUIREMENTS ON STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER DRAWINGS AS APPLICABLE. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
6. CONDITIONS AND DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE. TYPICAL DETAILS NOT REFERENCED ON DRAWINGS APPLY UNLESS NOTED OTHERWISE BY SPECIFIC NOTES AND DETAILS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR THE TYPICAL CONSTRUCTION OF THE PROJECT.
7. WHERE NO SPECIFIC STANDARDS ARE APPLIED TO A MATERIAL OR METHOD OF CONSTRUCTION TO BE USED ON THE WORK, ALL SUCH MATERIAL AND METHODS ARE TO MAINTAIN STANDARDS OF THE INDUSTRY AND, WHERE APPLICABLE, MANUFACTURER'S INSTRUCTIONS.
8. LOADING OF CONSTRUCTION MATERIALS SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.
9. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS, AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
10. PROVIDE ALL NECESSARY ANCHORAGE BLOCKING, BACKING, FRAMING FOR HANDRAILS, DOOR STOPS, CASEWORK, SHELVING, MIRRORS, WALL MOUNTED EQUIPMENT, AND ALL OTHER ITEMS AS REQUIRED FOR COMPLETE INSTALLATION.
11. CONFIRM ALL ROUGH OPENING DIMENSIONS FOR DOORS AND WINDOWS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
12. WHERE A LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS NOTED OTHERWISE.
13. PROVIDE SOLID BLOCKING BETWEEN ROOF JOISTS WHERE WALL RUNS PERPENDICULAR TO ROOF JOISTS. GYPSUM BOARD TO TERMINATE AT ROOF JOISTS.
14. WHERE WALLS ARE NOT TAGGED, ASSUME WALL TYPE A1a.
15. FRAME 4" BASE FOR ALL LOCKERS, FLOOR FINISHES EXTEND TO BASE.
16. INTERIOR FINISH FACE OF WALLS IS CONTINUOUS. FURR-OUT WALLS TO ACHIEVE FLUSH CONDITION FOR INTERIOR GYPSUM BOARD.
17. PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN ALL TOILET ROOMS, RESTROOMS, SHOWER AREAS, CUSTODIAL ROOMS, KITCHEN AREAS, AND BEHIND DRINKING FOUNTAINS. PROVIDE BACKER BOARD BEHIND ALL TILE WALL APPLICATIONS.
18. SEE ENLARGED TOILET ROOM PLANS AND VERTICAL CIRCULATION PLANS FOR MORE INFORMATION.
19. SEE SLAB PLAN FOR LOCATION OF SLAB EDGES.

WALL TYPE GENERAL NOTES:

1. NOTED WALL TYPE DEPICTS TYPICAL WALL CONSTRUCTION. SEE ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL INFORMATION.
2. ASSEMBLIES FOR WALLS SHALL EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE. SOUND BATT INSULATION TO EXTEND FULL HEIGHT IN WALL ASSEMBLIES UNLESS NOTED OTHERWISE.
3. SEE INTERIOR ELEVATIONS FOR LOCATION AND EXTENT OF APPLIED WALL FINISHES.
4. METAL STUD DESIGN IS DELEGATED DESIGN. SEE METAL STUD DRAWINGS BY OTHERS.
5. PROVIDE MOISTURE RESISTANT GYPSUM BOARD ON ALL WALLS OF TOILET ROOMS, KITCHEN AREAS AND BEHIND DRINKING FOUNTAINS.
6. PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE APPLICATIONS.
7. ASSEMBLIES FOR FIRE RATED WALLS SHALL EXTEND FROM STRUCTURAL FLOOR TO UNDERSIDE OF FLOOR OR ROOF ABOVE UNLESS SPECIFICALLY NOTED OTHERWISE. ALL OPENINGS SHALL BE PROTECTED AS REQUIRED BY CODE.
8. AT RATED WALLS ABOVE ACCESSIBLE CEILINGS, PROVIDE IDENTIFICATION SIGNAGE, SPACED AT NOT MORE THAN 30 FEET MEASURED HORIZONTALLY, INDICATING "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS".
9. PROVIDE FIRE BLOCKING IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS VERTICALLY AT THE CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.
10. WHERE LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS OTHERWISE NOTED.

FINISH LEGEND

FLOOR FINISHES:
CPT-1 CARPET TILE
PT-1 PORCELAIN - MOSA GLOBAL COLLECTION, 75610 SMALL SPECKLED WHITE, 12 X 12

B-1 4" RUBBER BASE, DARK GRAY TO MATCH EXISTING
B-2 4" RUBBER BASE, LIGHT GRAY TO MATCH EXISTING

WALL FINISHES:
P-1 WHITE TO MATCH EXISTING
P-2 BLUE TO MATCH EXISTING
P-3 BLACK

CT-1 CERAMIC WALL TILE - DALTILE NATURAL HUES, PEARL WHITE QH63 6 X 6
CT-2 CERAMIC WALL TILE - DALTILE NATURAL HUES, PEPPER QH35 6 X 6

LAMINATES:
PL-1 WILSONART KENSINGTON MAPLE 10776
PL-2 WILSONART BLACKBIRD 5024
PL-3 ALMOND

OTHER:
HPC-1 BLACK TO MATCH EXISTING
SSM-1 RESIN

CORNER GUARD:
CG-1 42" L, 90 DEGREE
CG-2 42" L, U SHAPE

XX-X FINISH TAG

CLIENT

BEAVERTON SCHOOL DISTRICT

1260 NW Waterhouse Avenue
Beaverton, OR 97006

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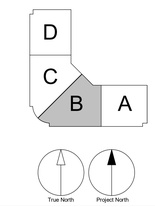
ISSUES

No.	DESCRIPTION	DATE
	BID SET	2023-04-21

KEYPLAN



CONSULTANTS

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PRIME CONSULTANT

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830 NE Holladay Street
Portland, OR 97232, USA
tel 503 226 6950 fax 503 273 9192

PROJECT

BSD ADMIN OFFICE TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE
FLOOR PLAN - LEVEL 02

SHEET NUMBER
A1102

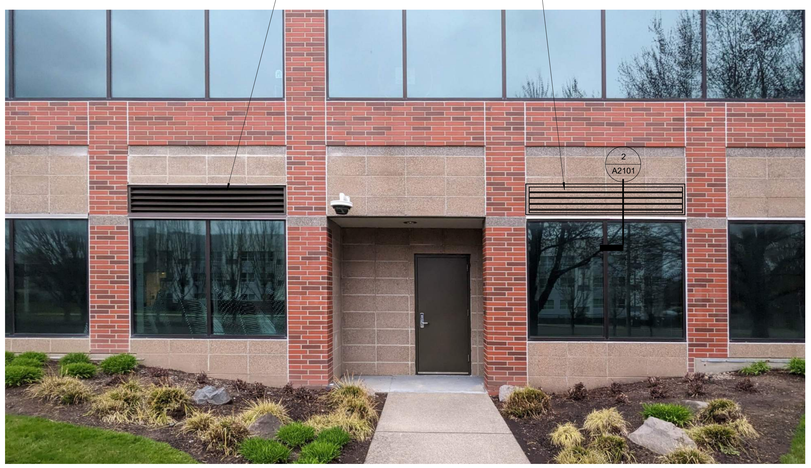
2023-04-21 1:57:08 PM

Autodesk Docs://142595-BSD_HighSchool R2022/142595_BSDAdminTI_R22.rvt

SCALE CHECK
1 inch

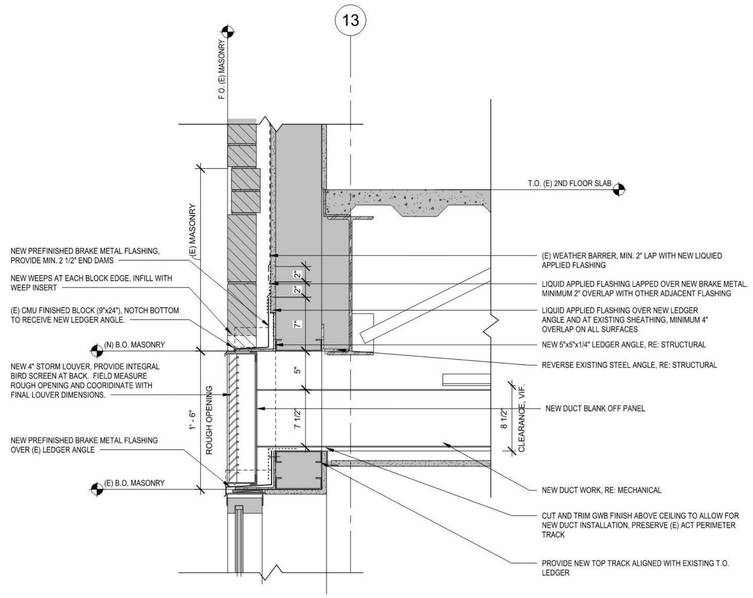
EXTERIOR ELEVATIONS NOTES:

1. HPC - HIGH PERFORMANCE COATING ON ALL EXPOSED STEEL.
2. NOT ALL MECHANICAL, PLUMBING, ELECTRICAL OR TECHNOLOGY FIXTURES AND DEVICES ARE SHOWN. COORDINATE WITH MECHANICAL, PLUMBING, ELECTRICAL, AND TECHNOLOGY DRAWINGS FOR ADDITIONAL FIXTURES AND DEVICES.
3. ALL EXTERIOR WINDOWS ARE STOREFRONT.
4. PREFINISHED METAL FASCIAS, GUTTERS AND COPINGS, TYP.
5. REFERENCE ELEVATIONS FOR GENERAL HEIGHTS AND MATERIALS, SEE FLOOR PLAN FOR LENGTHS.



1 SOUTH ELEVATION - EXISTING

SCALE: NTS



2 DETAIL - NEW LOUVER

SCALE: 1 1/2" = 1'-0"

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Beaverton, OR 97006

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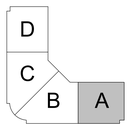
No.	DESCRIPTION	DATE
	BID SET	2023-04-21

KEYPLAN



CONSULTANTS

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PROJECT

BSD ADMIN OFFICE
TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE
BUILDING ELEVATIONS

SHEET NUMBER
A2101

2023-04-21 3:26:48 PM

Autodesk Docs://142595-BSD_High Schools R2022/142595_BSDAdminTI_R22.rvt

SCALE CHECK
1 in
10mm

TOILET ROOM STANDARD & ACCESSIBLE MOUNTING HEIGHTS & PLACEMENT:

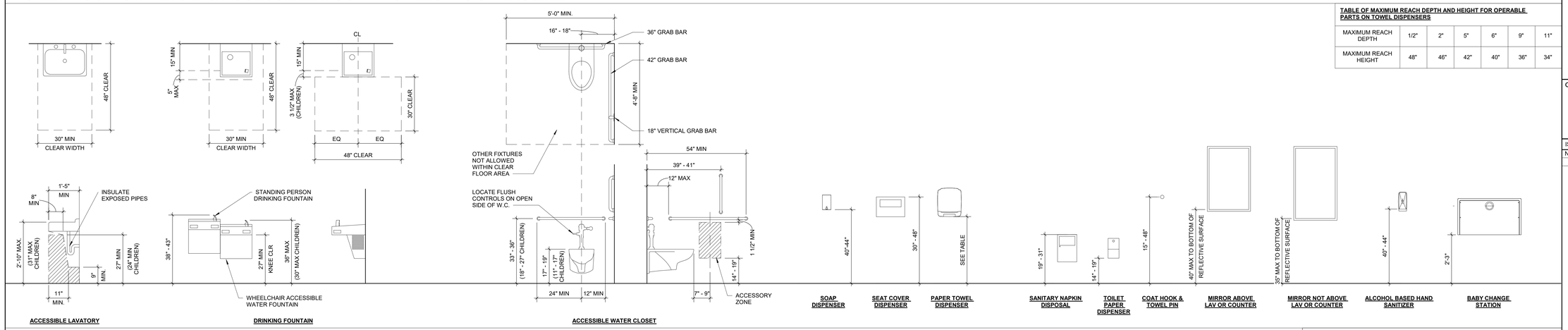


TABLE OF MAXIMUM REACH DEPTH AND HEIGHT FOR OPERABLE PARTS ON TOWEL DISPENSERS

MAXIMUM REACH DEPTH	1/2"	2"	5"	6"	9"	11"
MAXIMUM REACH HEIGHT	48"	46"	42"	40"	36"	34"

TOILET ROOM LEGEND:

GB	GRAB BAR
M1	MIRROR
ND	SANITARY NAPKIN DISPOSAL, OFCI
PT1	PAPER TOWEL DISPENSER, OFCI
SC	TOILET SEAT COVER DISPENSER, OFCI
SND	SANITARY NAPKIN DISPOSAL, OFCI
SD	SOAP DISPENSER, OFCI
EP-1	PAINT
TP	TOILET PAPER DISPENSER, OFCI

FINISH LEGEND

FLOOR FINISHES:

CPT-1	CARPET TILE
PT-1	PORCELAIN - MOSA GLOBAL COLLECTION, 75610 SMALL SPECKLED WHITE, 12 X 12
B-1	4" RUBBER BASE, DARK GRAY TO MATCH EXISTING
B-2	4" RUBBER BASE, LIGHT GRAY TO MATCH EXISTING

WALL FINISHES:

P-1	WHITE TO MATCH EXISTING
P-2	BLUE TO MATCH EXISTING
P-3	BLACK
CT-1	CERAMIC WALL TILE - DALTILE NATURAL HUES, PEARL WHITE QH63 6 X 6
CT-2	CERAMIC WALL TILE - DALTILE NATURAL HUES, PEPPER QH35 6 X 6

LAMINATES:

PL-1	WILSONART KENSINGTON MAPLE 10776
PL-2	WILSONART BLACKBIRD 5024
PL-3	ALMOND

OTHER:

HPC-1	BLACK TO MATCH EXISTING
SSM-1	RESIN

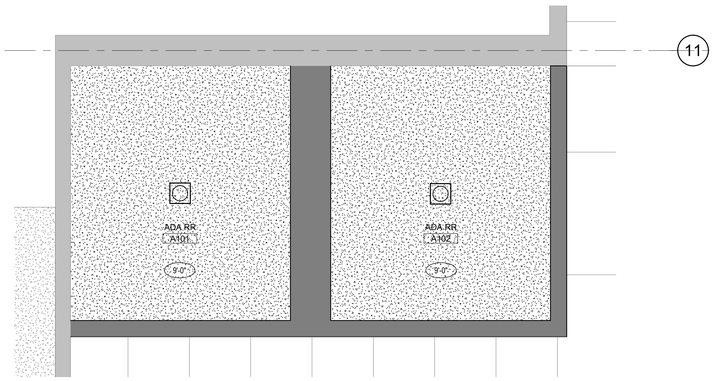
CORNER GUARD:

CG-1	42" L, 90 DEGREE
CG-2	42" L, U SHAPE

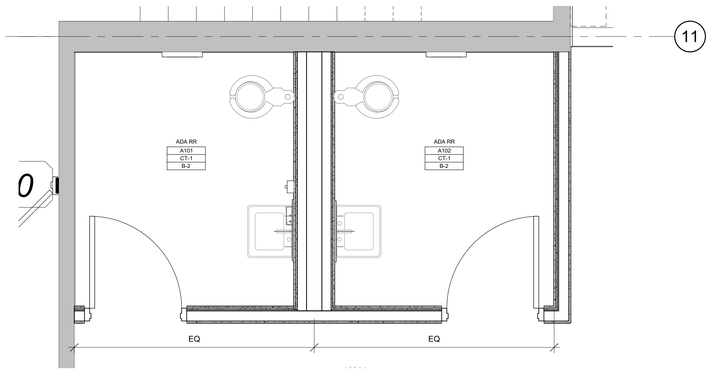
XX-X FINISH TAG

FLOOR FINISH GENERAL NOTES:

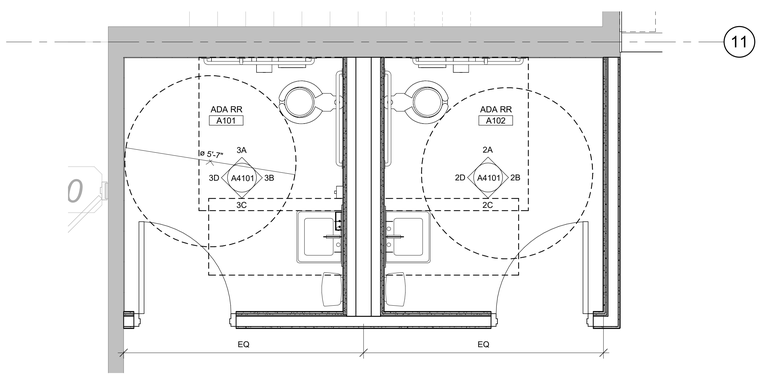
1. SEE FINISH LEGEND FOR MATERIAL DESIGNATIONS.
2. EXTEND FLOOR FINISHES UNDER TOEKICKS, OPEN COUNTERTOPS, APPLIANCES, AND EQUIPMENT, TYPICAL.
3. ALL CLOSET FINISHES SHALL MATCH THE ADJACENT ROOM UNLESS SPECIFICALLY NOTED OTHERWISE.
4. PROVIDE TRANSITION STRIPS WHERE UNLIKE MATERIALS MEET, UNLESS NOTED OTHERWISE.
5. WHERE FLOOR CHANGES MATERIAL, PATTERN OR COLOR AT A DOOR, LOCATE TRANSITION UNDER CENTERLINE OF DOOR.
6. REFER TO SPECIFICATIONS FOR ADDITIONAL INSTALLATION PATTERN INFORMATION.
7. COORDINATE FLOOR DRAINS, FLOOR SINKS, AND OTHER FOOD SERVICE EQUIPMENT ITEMS WITH FOOD SERVICE DRAWINGS, PLUMBING DRAWINGS AND SLAB PLANS.
8. PROVIDE RUBBER BASE AT ALL LOCATION UNLESS NOTED OTHERWISE.
9. PROVIDE PAINT ON WALLS AT ALL LOCATION UNLESS NOTED OTHERWISE.
10. ALL WALL AND/OR CEILING MOUNTED FIXTURES SHALL HAVE ADEQUATE BACKING TO BE ABLE TO WITHSTAND THE FORCE AND/OR ABUSE THAT MAY OCCUR IN A SCHOOL ENVIRONMENT. BLOCKING SHALL BE WOOD WITH A MINIMUM THICKNESS OF 1-1/2" AND PROVIDE ADEQUATE SUPPORT FOR ANY FIXTURE THAT HANGS ON WALLS OR CEILINGS. FIXTURES REQUIRING BLOCKING INCLUDE, BUT ARE NOT LIMITED TO: CASEWORK, DISPENSERS, GRAB BARS, SINKS/LAVATORIES, MIRRORS.



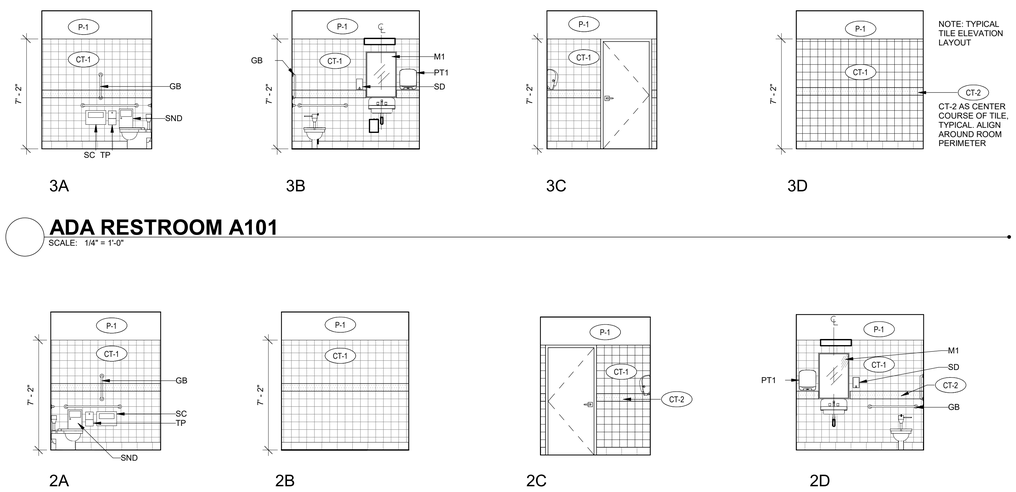
2 ENLARGED RESTROOM RCP
SCALE: 1/2" = 1'-0"



3 RESTROOM FINISH PLAN
SCALE: 1/2" = 1'-0"



1 ENLARGED RESTROOM PLAN
SCALE: 1/2" = 1'-0"



NOTE: TYPICAL TILE ELEVATION LAYOUT

ADA RESTROOM A101
SCALE: 1/4" = 1'-0"

ADA RESTROOM A102
SCALE: 1/4" = 1'-0"

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No.	DESCRIPTION	DATE
	BID SET	2023-04-21

CONSULTANTS

SEAL

REGISTERED ARCHITECT 4346 JAMES M. FITZPATRICK PORTLAND, OREGON STATE OF OREGON

PRIME CONSULTANT

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PROJECT

BSD ADMIN OFFICE TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE

ENLARGED PLANS - RESTROOMS

SHEET NUMBER

A4101

SCALE CHECK
1 in.
10mm

Autodesk Docs://142595-BSD_High/School R2022/142595_BSDAdminTI_R22.rvt

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FINISH LEGEND

FLOOR FINISHES:

CPT-1	CARPET TILE
PT-1	PORCELAIN - MOSA GLOBAL COLLECTION, 75610 SMALL SPECKLED WHITE, 12 X 12
B-1	4" RUBBER BASE, DARK GRAY TO MATCH EXISTING
B-2	4" RUBBER BASE, LIGHT GRAY TO MATCH EXISTING

WALL FINISHES:

P-1	WHITE TO MATCH EXISTING
P-2	BLUE TO MATCH EXISTING
P-3	BLACK
CT-1	CERAMIC WALL TILE - DALTILE NATURAL HUES, PEARL WHITE QH63 6 X 6
CT-2	CERAMIC WALL TILE - DALTILE NATURAL HUES, PEPPER QH35 6 X 6

LAMINATES:

PL-1	WILSONART KENSINGTON MAPLE 10776
PL-2	WILSONART BLACKBIRD 5024
PL-3	ALMOND

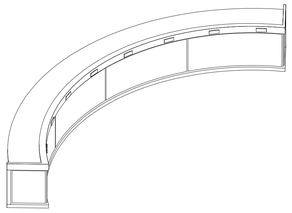
OTHER:

HPC-1	BLACK TO MATCH EXISTING
SSM-1	RESIN

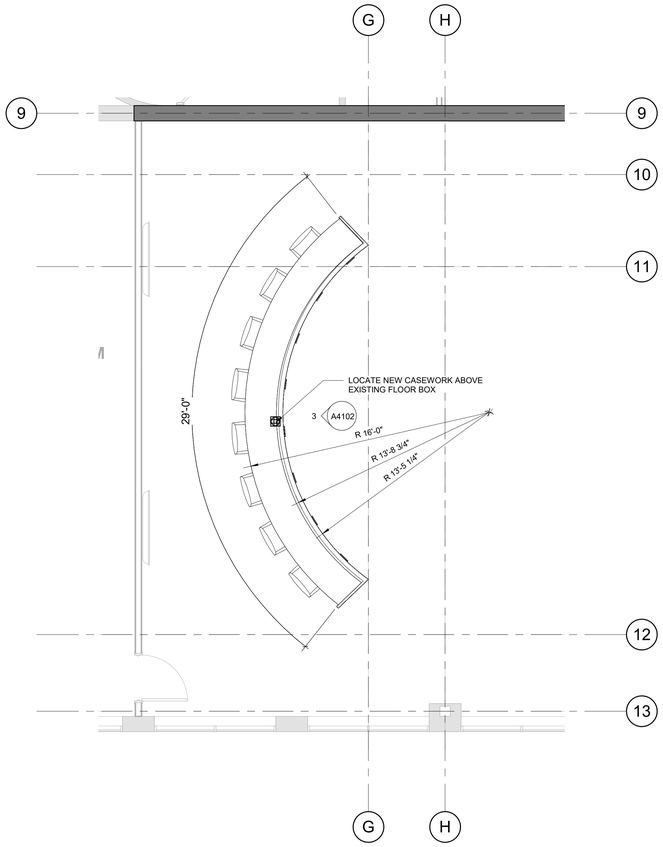
CORNER GUARD:

CG-1	42" L, 90 DEGREE
CG-2	42" L, U SHAPE

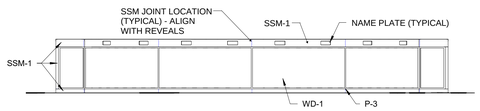
XX-X FINISH TAG



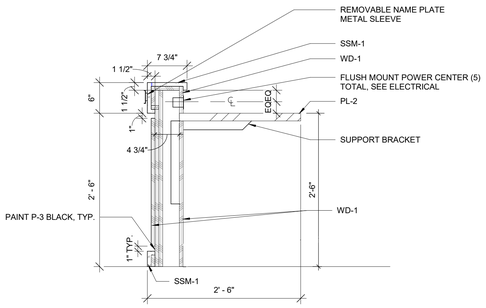
5 **DAIS AXON VIEW**
SCALE: NTS



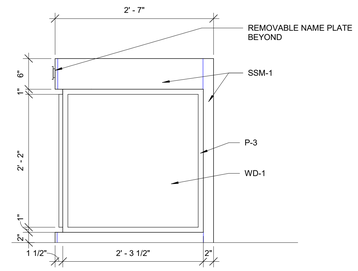
1 **BOARDROOM DAIS PLAN**
SCALE: 1/4" = 1'-0"



3 **DAIS ELEVATION - FRONT**
SCALE: 1/4" = 1'-0"



2 **DAIS CASEWORK SECTION**
SCALE: 1" = 1'-0"



4 **DAIS CASEWORK ELEVATION - END**
SCALE: 1" = 1'-0"

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REGISTERED ARCHITECT
4346
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PROJECT
BSD ADMIN OFFICE TENANT IMPROVEMENT
1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE
ENLARGED PLANS - BOARDROOM DAIS

SHEET NUMBER
A4102

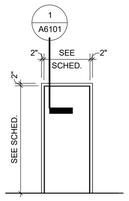
2023-04-28 3:34:48 PM

Autodesk Docs://142595-BSD_HighSchool R2022/142595_BSDAdminTI_R22.rvt

SCALE CHECK
1" = 1" 10mm

Door and Frame Schedule

No.	Location	Door Width	Door Height	Panel Type	Panel Material	Panel Finish	Panel Glazing	Frame Type	Frame Material	Frame Finish	Assembly Rating (minutes)	Hardware	Comments
A100A	CIRCULATION	3'-0"	7'-0"	A	SC	CLEAR	<-->	1	HM	HPC-1	20 MIN	1	
A101A	ADA RESTROOM	3'-0"	7'-0"	A	SC	CLEAR	<-->	1	HM	HPC-1	NA	2	
A102A	ADA RESTROOM	3'-0"	7'-0"	A	SC	CLEAR	<-->	1	HM	HPC-1	NA	2	
A201A	BREAKROOM	3'-0"	7'-0"	B	AL	MFR	IT-1	1	HM	MFR	NA	3	
A201B	BREAKROOM	3'-0"	7'-0"	B	AL	MFR	IT-1	1	HM	MFR	NA	3	



TYPE 1

FRAME ELEVATIONS

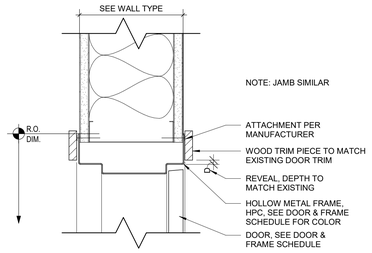
SCALE: 1/4" = 1'-0"

TYPE A

TYPE B

DOOR PANEL ELEVATIONS

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



1 HM DOOR HEAD & JAMB

SCALE: 3" = 1'-0"

EXISTING DOOR AND FRAME, NEW FRAMES TO MATCH EXISTING

2 TYPICAL (E) DOOR

SCALE: NTS

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PROJECT

BSD ADMIN OFFICE
TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE

DOOR & RELITE
SCHEDULE & TYPES

SHEET NUMBER

A6101

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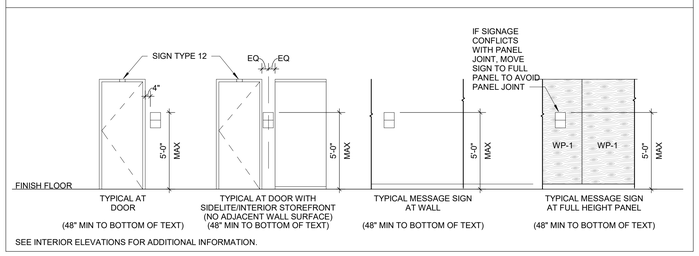
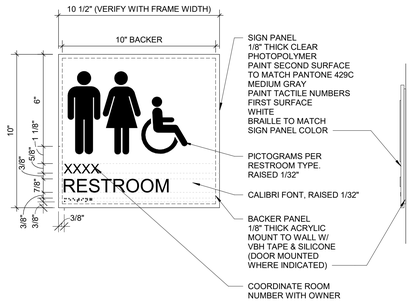
SCALE CHECK
1 in
10mm

SIGN TYPICAL MOUNTING:



SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.

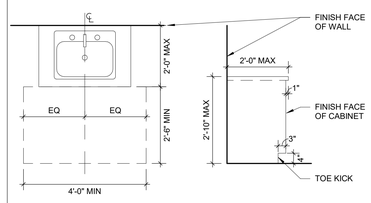


6 SIGN TYPE 1 @ RESTROOMS
SCALE: 3" = 1'-0"

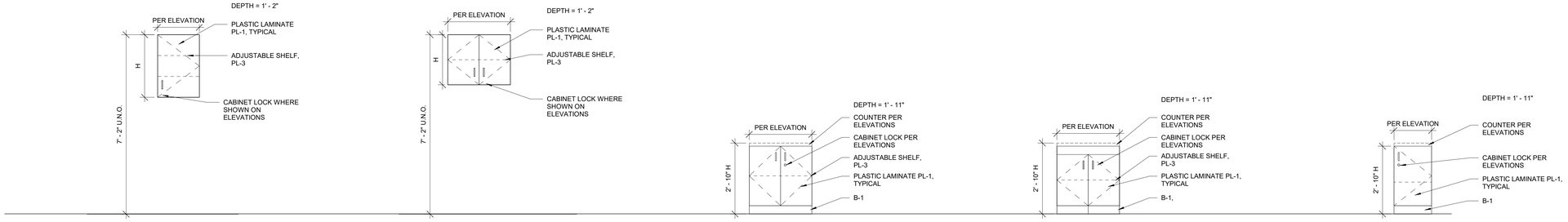
CASEWORK GENERAL NOTES:

1. DIMENSIONS OF CABINET TYPES ARE GIVEN AS FOLLOWS:
   "W" - WIDTH OF CABINET MODULE - SEE INTERIOR ELEVATIONS
   "D" - DEPTH OF CABINET - SEE CABINET AXONOMIETRIC VIEW FOR DIMENSION POINTS
   "H" - HEIGHT OF CABINET
2. VERIFY ALL WIDTHS GIVEN IN THE FIELD.
3. SEE INTERIOR ELEVATIONS FOR DIRECTION OF CABINET DOOR SWINGS (DIRECTION OF DOOR SWINGS SHOWN ON THIS SCHEDULE ARE FOR INDICATING CABINET TYPE ONLY).
4. WHERE ENDS OF COUNTERTOPS W/ SPLASH TERMINATES AT A WALL, SPLASH IS TO RETURN ALONG END TO FRONT EDGE OF COUNTERTOP.
5. WHERE ENDS AND SIDES OF CABINET ARE EXPOSED, END PANEL IS TO BE FACED TO MATCH FRONT OF CABINET.
6. EXPOSED ENDS OF CABINETS TO HAVE 3" DEEP X 4" HIGH TOESPACE, TYP.
7. SEE FINISH LEGEND FOR PLASTIC LAMINATE COLOR & TYPE.
8. MATERIALS WHICH ARE IN SIMILAR LOCATIONS ARE NOT NOTED AT EVERY OCCURRENCE.
9. SEE FINISH FLOOR PLANS, REFLECTED CEILING PLANS, INTERIOR ELEVATIONS AND FINISH LEGEND FOR ADDITIONAL FINISH INFORMATION.
10. PROVIDE BACKING AT WALL MOUNTED ITEMS.

CASEWORK ADA CLEARANCES:



ACCESSIBLE BASE CABINET / SINK



1 UC1 - UPPER CABINET
SCALE: 1/2" = 1'-0"

2 UC2 - UPPER CABINET
SCALE: 1/2" = 1'-0"

3 BC1 - BASE CABINET
SCALE: 1/2" = 1'-0"

4 BC2 - BASE CABINET
SCALE: 1/2" = 1'-0"

5 BC3 - BASE CABINET
SCALE: 1/2" = 1'-0"

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1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE
SIGNAGE, CASEWORK SCHEDULE & TYPES

SHEET NUMBER
A6102

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SCALE CHECK
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PLUMBING SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(A)	ABANDON IN PLACE
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
&	AND
A	AQUASTAT, ARCHITECT, ANCHOR, AMPHERE
@	AT
BFF	BELOW FINISHED FLOOR
BF	BLIND FLANGE
BTUH	BRITISH THERMAL UNITS PER HOUR
BLDG	BUILDING
CO	CLEANOUT
CW	COLD WATER
CD	CONDENSATE DRAIN
CONT.	CONTINUATION
CFH	CUBIC FEET PER HOUR
CFS	CUBIC FEET PER SECOND
(X)	DEMOLISH
DN	DOWN
D	DRAIN
DFU	DRAINAGE FIXTURE UNIT
DWV	DRAINAGE, WASTE AND VENT
EWH	ELECTRIC WATER HEATER
ELECT	ELECTRICAL
(E)	EXISTING
EJ	EXPANSION JOINT
FT	FEET
FPS	FEET PER SECOND
FFE	FINISHED FLOOR ELEVATION
F	FIRE, FAHRENHEIT
FC	FLEXIBLE CONNECTOR
FL	FLOOR
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FV	FLUSH VALVE
'	FOOT, FEET
(F)	FUTURE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GD	GARBAGE DISPOSER, GARAGE DRAIN
HD	HEAD, HUB DRAIN
HP	HEAT PUMP, HORSE POWER, HOUSEKEEPING PAD
HZ	HERTZ
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
IN, "	INCHES
INV	INVERT ELEVATION
KW	KILOWATT
L	LAVATORY
MW	MAKE-UP WATER
MAX	MAXIMUM
HG	MERCURY
MIN	MINIMUM
MX	MIXING VALVE
MH	MOUNTING HEIGHT, MANHOLE
(N)	NEW
NOP	NORMALLY OPEN
N	NORTH
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
#	NUMBER
NO.	NUMBER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PH	PHASE
PLBG	PLUMBING
P	PLUMBING, PUMP
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PD	PRESSURE DROP, PLUMBING DEMOLITION, PUMPED DISCHARGE
QTY	QUANTITY
(R)	RELOCATE / RELOCATED LOCATION
RPM	REVOLUTIONS PER MINUTE
SAN	SANITARY
SJ	SEISMIC JOINT
SB	SERVICE BOX
SHT	SHEET
SA	SHOCK ARRESTOR
SOV	SHUT OFF VALVE
S, SK	SINK
SF	SQUARE FEET
SP	SUMP PUMP, STATIC PRESSURE
TEMP	TEMPERATURE
T	TEMPERATURE, THERMOMETER
TP	TRAP PRIMER, TOTAL PRESSURE
TYP	TYPICAL
V	VACUUM, VENT, VOLT
VFD	VARIABLE FREQUENCY DRIVE
VS	VENT STACK
VTR	VENT THRU ROOF
WCO	WALL CLEANOUT
W	WASTE
WS	WASTE STACK
WC	WATER COLUMN
WC	WATER COLUMN, WATER CLOSET
WHA	WATER HAMMER ARRESTOR
WH	WATER HEATER, WALL HYDRANT
WSFU	WATER SUPPLY FIXTURE UNIT
W/	WITH

General

- DETAIL NUMBER AND SHEET LOCATION
- KEYED NOTE
- SECTION NUMBER AND SHEET LOCATION
- EXISTING WORK
- NEW WORK
- PIPE OR CONDUIT BELOW GRADE
- CONTINUATION
- EXTENT OF DEMOLITION
- PIPE BELOW GRADE
- POINT OF CONNECTION
- FIXTURE TAG (LEVEL BELOW FIXTURE)
- PLUMBING EQUIPMENT IDENTIFICATION

Piping Fittings

- AP — ACCESS PANEL
- BLIND FLANGE
- CAP
- COTG — CLEANOUT TO GRADE
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- EXPANSION JOINT
- FLEXIBLE CONNECTION
- FCO — FLOOR CLEANOUT
- FLOW DIRECTION
- METER
- PIPE DROP
- PIPE RISE
- PRESSURE GAUGE WITH COCK
- SHOCK ABSORBER / WATER HAMMER ARRESTOR
- TEE DOWN ON PIPE
- TEE UP ON PIPE
- THERMOMETER
- UNION
- WCO — WALL CLEANOUT

Piping Systems

- 120°HW — 120%%d HOT WATER PIPING
- COLD WATER PIPING
- D — CONDENSATE / INDIRECT DRAIN PIPING
- HOT WATER PIPING
- SANITARY VENT PIPING
- SANITARY WASTE OR SOIL PIPING ABOVE GRADE OR FINISHED FLOOR
- SANITARY WASTE OR SOIL PIPING BELOW GRADE OR FINISHED FLOOR

Valves

- SHUTOFF VALVE, GENERAL

GENERAL PLUMBING NOTES

A. CONDITIONS SHOWN ON PLANS RELATIVE TO THE WORK TO BE PERFORMED ARE BASED ON THE BEST INFORMATION AVAILABLE BUT ARE SUBJECT TO VERIFICATION. VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES TO BE CROSSED OR CONNECTED. CORRECT DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VARIFICATIONS AT NO EXPENSE TO THE OWNER. IMMEDIATELY NOTIFY ARCHITECT AND ENGINEER OF CONDITION IN CONFLICT.

B. LOCATE VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILING SHALL BE WITHIN 18" OF CEILING.

C. COORDINATE INSTALLATION OF PIPING BELOW AND ABOVE GRADE WITH STRUCTURAL COMPONENTS AND OTHER SYSTEMS INSTALLATION.

D. COORDINATE FIXTURES, EQUIPMENT, PIPE ROUGH-IN CONNECTION LOCATIONS AND DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS.

E. COORDINATE DEMOLITION, SAW-CUTTING, PATCHING, ETC. WITH GENERAL CONTRACTOR AND EXISTING FIELD CONDITIONS.

F. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING WASTE, VENT AND WATER PIPING TO REMAIN IN SERVICE.

G. PROVIDE CLEANOUTS FOR SANITARY WASTE SYSTEMS WHERE SHOWN AND AS OTHERWISE REQUIRED BY CODE.

SHEET INDEX

P0001 SYMBOL LIST AND GENERAL NOTES - PLUMBING
P0002 SCHEDULES - PLUMBING

P1400 FLOOR PLAN - UNDERGROUND - PLUMBING
P1401 FLOOR PLAN - GROUND LEVEL - PLUMBING

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ISSUES

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PROJECT NO:
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SHEET TITLE

SYMBOL LIST AND GENERAL NOTES - PLUMBING

SHEET NUMBER

P0001

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SCALE CHECK
1 in

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE TYPE	DESCRIPTION	BASIS OF DESIGN		ACCESSORIES	CONNECTION				ELECTRICAL	COMMENTS
			MFR	MODEL		W	V	CW	HW		
L-1	LAVATORY	WALL HUNG, ADA COMPLIANT, VITREOUS CHINA, SINGLE-HOLE PUNCH, FRONT OVERFLOW	KOHLER	K-2007	DECK MOUNTED, MANUAL OPERATED METERED, TWO HOLE, 0.25 GPM; CHICAGO FAUCETS MODEL 802-VE2805-665CP, ASSE 1070 COMPLIANT MIXING VALVE, INTEGRAL CHECK VALVES, WATTS MODEL LFMMV (SET DISCHARGE TEMPERATURE AT 110 DEG).	1-1/2"	1-1/2"	1/2"	1/2"	--	MOUNT LAVATORY AT ADA COMPLIANT HEIGHT, SEE ARCHITECTURAL PLANS FOR HEIGHT AND LOCATION. SEE SPECIFICATION SECTION 224000 FOR FLOOR MOUNTED CARRIER, TRAP COVERS, SUPPLY STOPS AND ADDITIONAL ACCESSORIES
S-1	SINK	DROP-IN, SINGLE BOWL, 18 GAUGE STAINLESS STEEL, 22-INCHES X 22-INCHES X 6-1/2-INCHES DEEP, 27-INCH MINIMUM CABINET SIZE, 3-HOLE PUNCH, BARRIER FREE	ELKAY	LRAD222265	DECK MOUNTED FAUCET, 9.5-INCH RIGID/SWING GOOSENECK, 4" WRISTBLADE HANDLES, 4-INCH FIXED CENTERS, 1.5 GPM AERATED FLOW RATE; CHICAGO FAUCETS MODEL 895-317ABCP	2"	1-1/2"	1/2"	1/2"	--	SEE SPECIFICATION SECTION 224000 FOR SUPPLY STOPS AND ADDITIONAL ACCESSORIES.
WC-1	WATER CLOSET	WALL HUNG, 1.28 GPF MANUAL FLUSHOMETER, VITREOUS CHINA, TOP SPUD, ADA MOUNTING HEIGHT	KOHLER	K-84325-L	FLUSH VALVE - MANUAL OPERATED FLUSH VALVE 1.28 GPF, POLISHED CHROME FINISH, TOP SPUD; SLOAN ROYAL 111-1.28; SEAT - ELONGATED, PLASTIC, SELF-SUSTAINING CHECK HINGES WITH NON-CORRODING STAINLESS STEEL POSTS; BEMIS MODEL 1955SSCT	4"	2"	1-1/4"	--	--	MOUNT WATER CLOSET AT ADA HEIGHT, SEE ARCHITECTURAL PLANS FOR HEIGHT AND LOCATION. SEE SPECIFICATION SECTION 224000 FOR FLOOR MOUNTED CARRIER AND ADDITIONAL ACCESSORIES.

ELECTRIC WATER HEATER SCHEDULE - TANKLESS

SYMBOL	EQUIPMENT TYPE	LOCATION / SERVING	BASIS OF DESIGN		CAPACITY		ELECTRICAL				COMMENTS
			MFR	MODEL	FLOW RATE (GPM)	TEMPERATURE RISE (DEG F)	VOLTS	PH	KW	AMPS	
EWH-1	TANK LESS WATER HEATER	RESTROOM / BOTH L-1	EEMAX	SPEX4277T ML	.2 - .5 GPM	56 DEGREE RISE	277	1	4.1	15	TURNS ON AT 0.2 GPM
EWH-2	TANK LESS WATER HEATER	UNDER COUNTER / S-1	EEMAX	SPEX100T ML	.2 - 1 GPM	68 DEGREE RISE	277	1	10	36	TURNS ON AT 0.2 GPM
NOTES:											

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SHEET TITLE
SCHEDULES - PLUMBING

SHEET NUMBER
P0002

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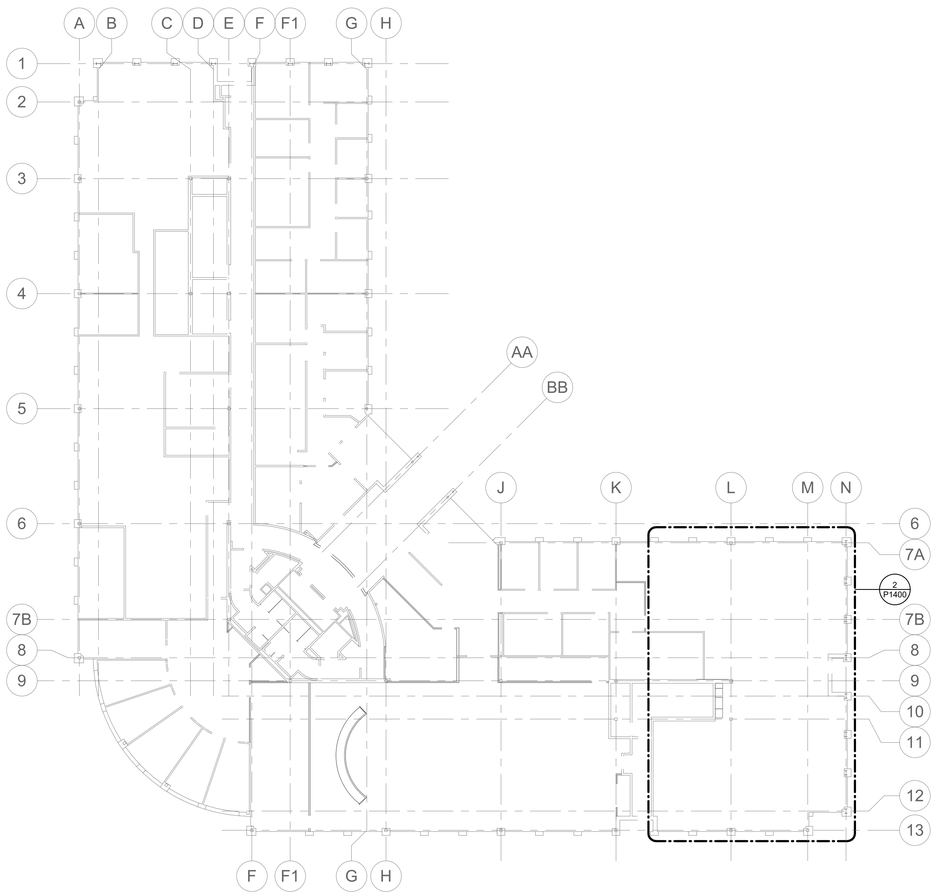
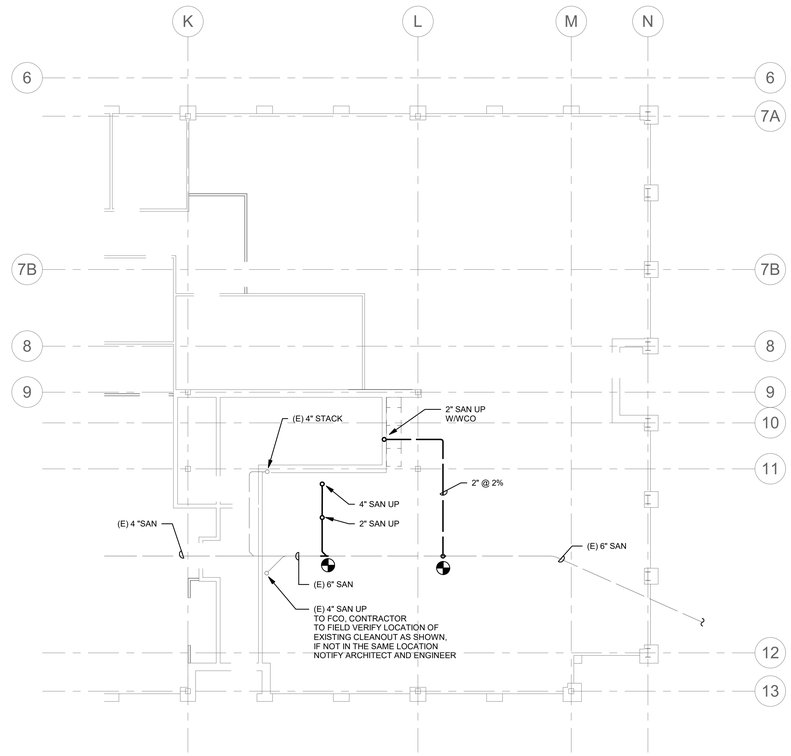


1 OVERALL FLOOR PLAN - UNDERGROUND - PLUMBING

0' 8' 16' 32'
1/16" = 1'-0"



2 FLOOR PLAN - SECTOR A - PLUMBING

0' 4' 8' 16'
1/8" = 1'-0"

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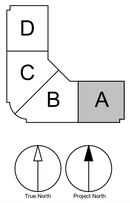
KEYPLAN



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FLOOR PLAN - UNDERGROUND - PLUMBING

SHEET NUMBER

P1400

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SCALE CHECK
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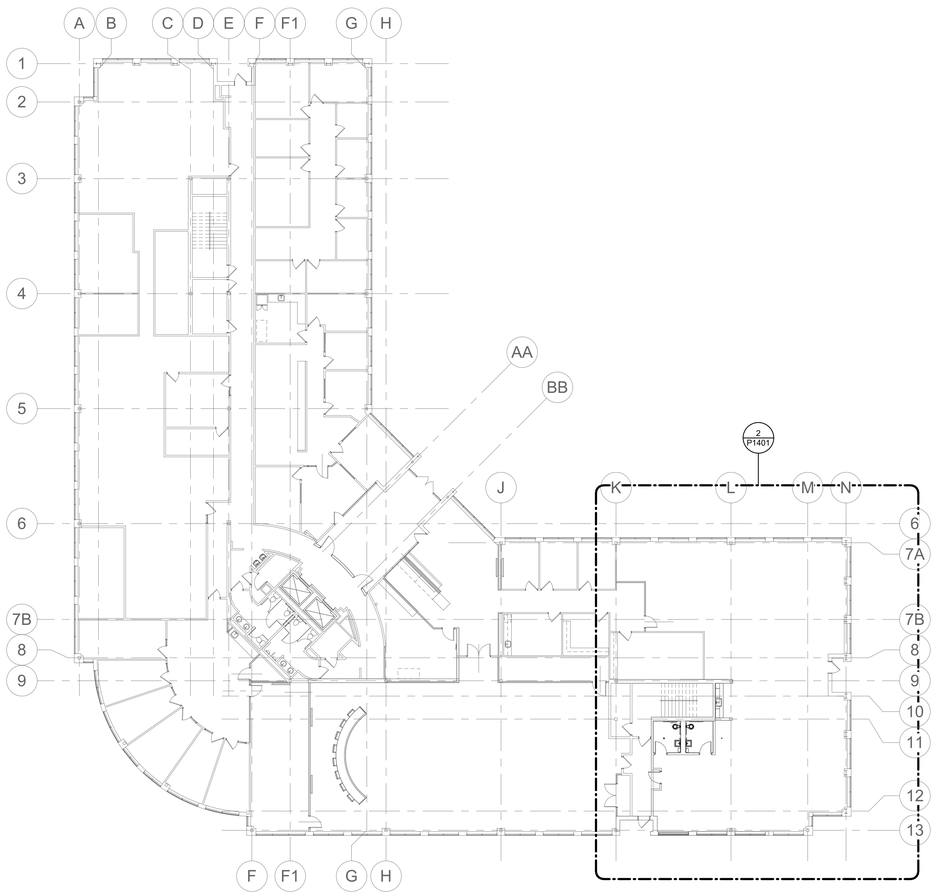
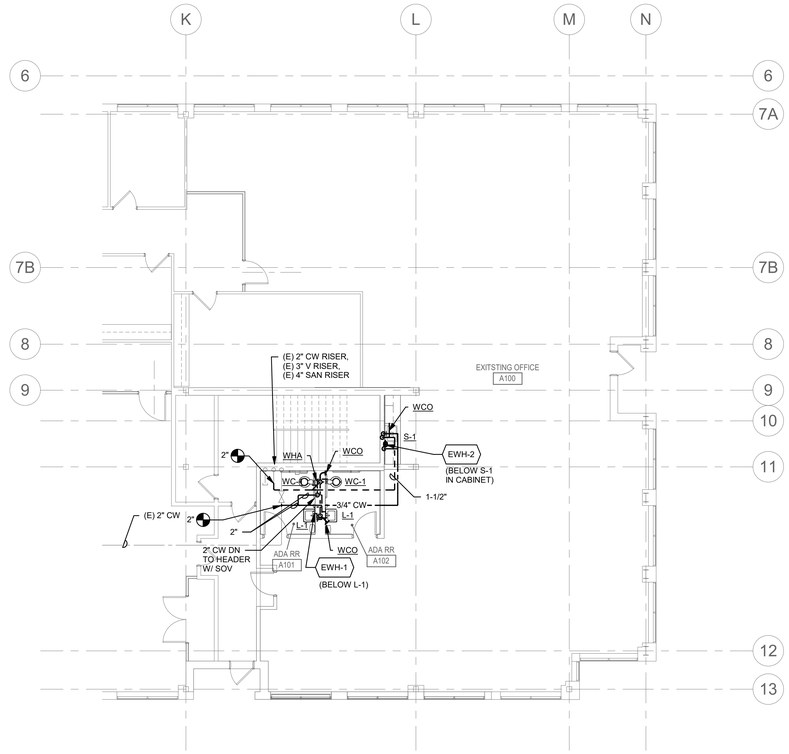


1 OVERALL FLOOR PLAN - GROUND LEVEL - PLUMBING

0' 8' 16' 32'
1/16" = 1'-0"



2 FLOOR PLAN - SECTOR A - PLUMBING

0' 4' 8' 16'
1/8" = 1'-0"

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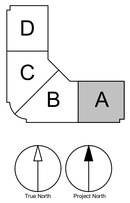
Arcadis Architects (USA) Inc.

ISSUES

No.	DESCRIPTION	DATE
	BID SET	2023-04-21

KEYPLAN



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PROJECT

BSD ADMIN OFFICE
TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE

FLOOR PLAN - GROUND LEVEL - PLUMBING

SHEET NUMBER

P1401

Autodesk Docs://142595-BSD_HighSchool R2022/BSDAdminTI_MEP_R22.rvt

SCALE CHECK
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MECHANICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

AFF	ABOVE FINISHED FLOOR
AD	ACCESS DOOR
A/C	AIR CONDITION(ED)
AHU	AIR HANDLING UNIT
BDD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
CD	CEILING DIFFUSER
CL	CENTERLINE
COP	COEFFICIENT OF PERFORMANCE
CONT.	CONTINUATION
CFM	CUBIC FEET PER MINUTE
DB	DECIBEL
DIA	DIAMETER
DB	DRY BULB
EFF	EFFICIENT
ELECT	ELECTRICAL
EL	ELEVATION
EAT	ENTERING AIR TEMPERATURE
EXH	EXHAUST
EF	EXHAUST FAN
(E)	EXISTING
F	FAHRENHEIT
FC	FAN COIL
FT	FEET
FPM	FEET PER MINUTE
FPI	FINS PER INCH
FC	FLEXIBLE CONNECTOR
FLA	FULL LOAD AMPS
HTG	HEATING
HP	HORSEPOWER
IN	INCHES
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
MAX	MAXIMUM
MIN	MINIMUM
MA	MIXED AIR
MD	MOTORIZED DAMPER
NC	NOISE CRITERIA
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO.	NUMBER
OC	ON CENTER
OBD	OPPOSED BLADE DAMPER
OA	OUTSIDE AIR
PH	PHASE
LBS.	POUNDS
QTY	QUANTITY
RH	RELATIVE HUMIDITY
(R)	RELOCATE/RELOCATED LOCATION
RET	RETURN
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
SEER	SEASONAL ENERGY EFFICIENCY RATING
SF	SQUARE FEET
SP	STATIC PRESSURE
SA	SUPPLY AIR
T, TEMP	TEMPERATURE
MBH	THOUSAND BTU'S PER HOUR
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
V	VOLT
VD	VOLUME DAMPER (HAND OPERATOR)
W	WATT
W/	WITH
W/O	WITHOUT

Control Symbols

- AIR TEMPERATURE SENSOR

Dampers

- VOLUME DAMPER

Diffusers and Grilles

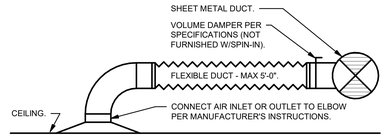
- 12x12 / 100 CD-1 — DIFFUSER OR GRILLE IDENTIFICATION
- SLOT DIFFUSER
- EXHAUST AIR
- RETURN AIR
- SUPPLY AIR

Ductwork Fittings

- ACOUSTICALLY LINED DUCT (SIZES SHOWN ARE NET INSIDE)
- CONCENTRIC SQUARE TO ROUND
- CONCENTRIC TRANSITION, RECTANGULAR OR ROUND
- ECCENTRIC TRANSITION, RECTANGULAR OR ROUND
- FLEX DUCT
- FLEXIBLE CONNECTION
- RECTANGULAR DUCT DROP
- RECTANGULAR DUCT RISER
- RECTANGULAR MAIN WITH RECTANGULAR BRANCH
- RECTANGULAR MAIN WITH ROUND BRANCH
- RECTANGULAR OFFSET LESS THAN 15%%d
- RECTANGULAR OFFSET MORE THAN 15%%d
- ROUND DUCT DROP
- ROUND DUCT RISER
- MITERED ELBOW WITH TURNING VANES
- RADIUSED ELBOW

General

- CONTINUATION
- X / X — DETAIL NUMBER AND SHEET LOCATION
- XX-X — EQUIPMENT IDENTIFICATION
- X — KEYED NOTE
- LIMIT OF DEMOLITION
- POINT OF CONNECTION
- X / XXX — SECTION NUMBER AND SHEET LOCATION
- EXISTING WORK
- NEW WORK
- X / 30X16 — RECTANGULAR DUCT SIZING
- X / 30"Ø — ROUND DUCT SIZING



1 AIR INLET OR OUTLET ROUND NECK

NO SCALE

GENERAL MECHANICAL NOTES

A. CONDITIONS SHOWN ON THE PLANS RELATIVE TO THE WORK TO BE PERFORMED ARE BASED ON THE BEST INFORMATION AVAILABLE BUT ARE SUBJECT TO VERIFICATION. VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES. CORRECT DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS AT NO EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITION IN CONFLICT WITH THE PLANS.

B. COORDINATE INSTALLATION OF DUCTWORK, PIPING, FIXTURES, EQUIPMENT, ETC. WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND FIRE PROTECTION SYSTEMS PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION OF ALL CEILING GRILLES AND DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, ARCHITECTURAL INTERIOR ELEVATIONS, LIGHTING, AND STRUCTURAL CONDITIONS. ARCHITECTURAL PLANS TO PROVIDE FINAL GRILLE AND DIFFUSER LOCATIONS IN THE EVENT OF A CONFLICT.

D. ALL WORK PERFORMED AND MATERIAL SUPPLIED SHALL CONFORM TO ALL STATE AND LOCAL CODES AND ALL OTHER APPLICABLE LAWS AND STATE REGULATIONS INCLUDING APPLICABLE SEISMIC ZONE REQUIREMENTS.

E. CONTRACTOR TO TEMPORARILY INSTALL 2" THICK 60% EFFICIENT FILTERS AT ALL RETURN AIR GRILLE LOCATIONS. FILTERS TO BE REMOVED AT CONCLUSION OF CONSTRUCTION.

F. PAINT ALL DIFFUSERS, REGISTERS AND GRILLES PER ARCHITECTURAL INSTRUCTIONS. ANY GRILLES INSTALLED IN GYPSUM BOARD WALLS AND CEILINGS ARE TO BE FURNISHED WITH FACTORY MILL OR PRIMER FINISH, READY FOR PAINTING IN THE FIELD.

G. DIFFUSER/GRILLE RUNOUTS ARE SAME SIZE AS DIFFUSER/GRILLE NECK SIZE UNLESS OTHERWISE NOTED ON PLANS.

H. EQUIPMENT TO BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION, OTHER EQUIPMENT, VENTING SYSTEMS, PIPING, OR DUCTS CONNECTED TO THE EQUIPMENT BEING SERVICED.

I. MAINTAIN MINIMUM DISTANCE OF 3'-0" BETWEEN ALL EXHAUST OUTLETS AND DOORS/OPERABLE WINDOWS.

J. PROVIDE ONE BALANCING DAMPER FOR EACH AIR INLET/ OUTLET SHOWN ON PLAN. WHERE DAMPER IS LOCATED ABOVE A HARD LID CEILING, PROVIDE REMOTE CABLE CONTROL FOR DAMPER.

K. FOR ALL DUCT CONNECTIONS TO MECHANICAL EQUIPMENT, PROVIDE TRANSITION FROM DUCT SIZE SHOWN TO EQUIPMENT CONNECTION SIZE.

L. ADJUST THROW OF ALL AIR DEVICES TO NOT INTERFERE WITH LIGHTING.

M. INSTALL ALL EQUIPMENT SUCH THAT MANUFACTURER RECOMMENDED CLEARANCES ARE MAINTAINED.

N. DETAILS APPLY WHETHER REFERENCED ON THE DRAWINGS OR NOT.

O. INSTALL 1.5X RADIUS ELBOWS WHERE SPACE ALLOWS. OTHERWISE INSTALL MITERED ELBOWS WITH TURNING VANES CONSISTENT WITH SPECIFICATIONS.

P. DUCTS, PIPING, AND EQUIPMENT TO BE INSTALLED AS HIGH AS POSSIBLE IN SPACES UNLESS OTHERWISE NOTED.

Q. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR WALL PENETRATIONS.

R. SUPPORT EQUIPMENT, DUCTS, PIPING AS SPECIFIED AND AS SHOWN IN DETAILS. ENSURE EQUIPMENT WILL OPERATE WITHOUT OBJECTIONABLE VIBRATION AND NOISE.

S. WHERE THE INSIDE OF DUCTS ARE VISIBLE FROM GRILLES OR DIFFUSERS, PAINT VISIBLE PORTION OF INSIDE OF DUCT FLAT BLACK.

FAN SCHEDULE

SYMBOL	AREA SERVED	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	TYPE	DRIVE	AIR FLOW (CFM)	TSP (IN H2O)	FAN RPM	MAX RPM	SOUND (SONES)	ELECTRICAL VOLTS	ELECTRICAL PH	ELECTRICAL BHP	ELECTRICAL MHP	APPROX. DIMS (LxWxH)	MAX WT (LBS)	NOTES
CEF-1*	ADA RR	PANASONIC	FV-0511VF1	CEILING	DIRECT	80	0.25	1142	-	<1	120	1	-	9.4W	10x10x6	10	1, 2, 3
CEF-2*	ADA RR	PANASONIC	FV-0511VF1	CEILING	DIRECT	80	0.25	1142	-	<1	120	1	-	9.4W	10x10x6	10	1, 2, 3

NOTES:
1) PROVIDE WITH ECM SMART MOTOR TECHNOLOGY RATED FOR CONTINUOUS OPERATION.
2) PROVIDE WITH INTERLOCK TO ROOM OCCUPANCY SENSOR. ACTIVATE FAN ON SIGNAL FROM ROOM OCCUPANCY SENSOR. PROVIDE MIN TIME DELAY OF 5 MINUTES BEFORE DEACTIVATING. COORDINATE WITH DIV 26.
3)* COORDINATE FAN NUMBER WITH FACILITIES. DETERMINE NEXT NUMERICAL VALUE, ADJUST TO BE BE NEXT CONSECUTIVE NUMBERS.

SHEET INDEX

M0001 SYMBOL LIST, GENERAL NOTES, DETAILS, & SCHEDULES - MECHANICAL

M1401 FLOOR PLAN - GROUND LEVEL - MECHANICAL

CLIENT

BEAVERTON SCHOOL DISTRICT

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Beaverton, OR 97006

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REGISTERED PROFESSIONAL ENGINEER — OREGON — JUNE 03, 2011 — JAMES M. MCCLELAND

EXPIRES: 12/31/24

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1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE

SYMBOL LIST, GENERAL NOTES, DETAILS, & SCHEDULES - MECHANICAL

SHEET NUMBER

M0001

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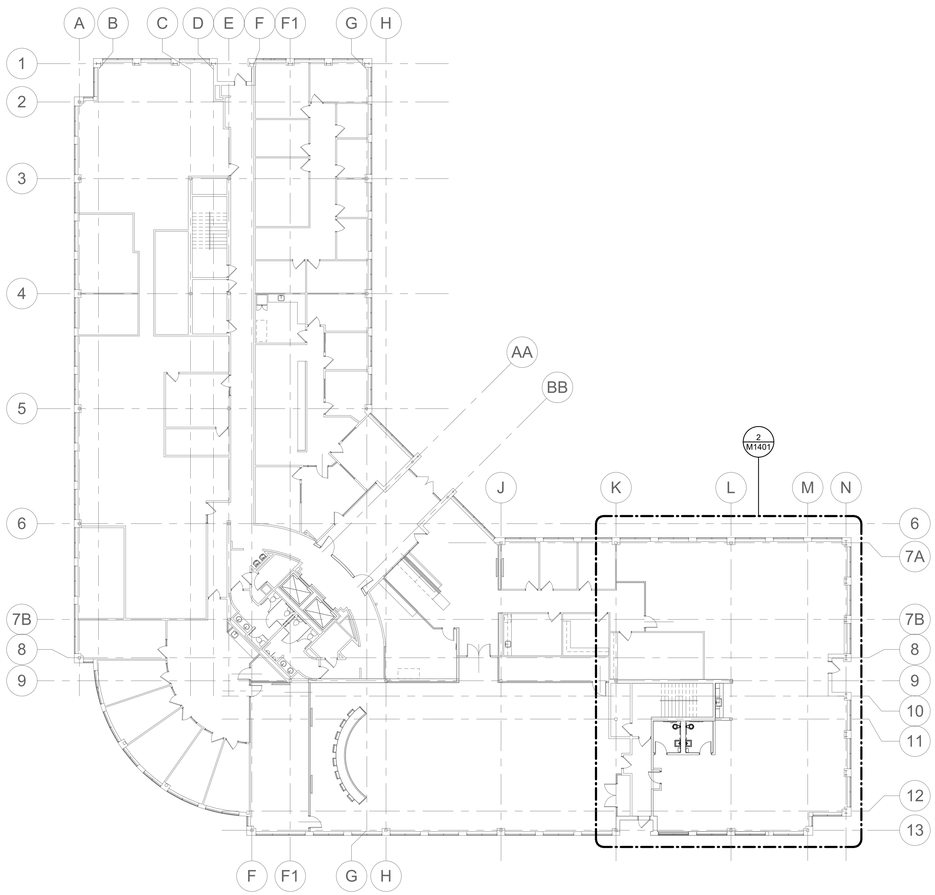
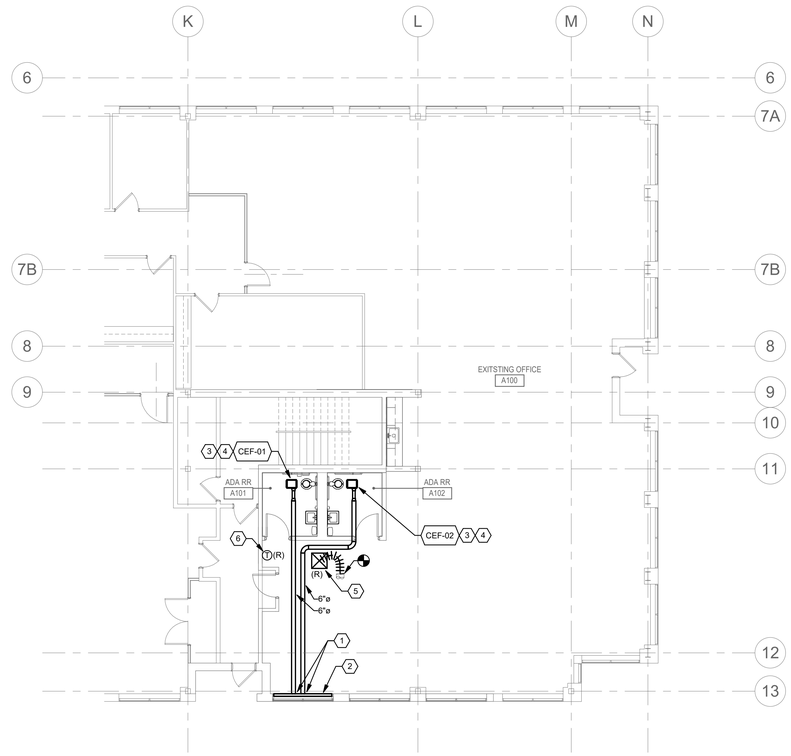
SHEET KEYNOTES

1. PROVIDE CONICAL CONNECTIONS TO BACK OF LOUVER PLENUM. PROVIDE OFFSET IN DUCTWORK AS REQUIRED TO ALIGN WITH OPENING ABOVE LEDGER AND BELOW STRUCTURAL BEAM. REFER TO ARCHITECTURAL LOUVER DETAIL FOR ADDITIONAL INFORMATION.
2. PROVIDE INSULATED, SHEET METAL PLENUM ON BACK OF LOUVER, FULL WIDTH AND HEIGHT OF LOUVER. APPROX. 95"Wx18"H. COORDINATE DEPTH OF PLENUM WITH LEDGER. REFER TO ARCHITECTURAL LOUVER DETAIL FOR ADDITIONAL INFORMATION.
3. ALIGN CEILING EXHAUST FAN IN CEILING WITH TOILET BELOW, CENTERLINE TO CENTERLINE. REFER TO ARCHITECTURAL RCP FOR FINAL LOCATION.
4. INTERLOCK FAN ON/OFF OPERATION WITH ROOM OCCUPANCY SENSOR. PROVIDE MIN TIME DELAY OF 5 MINUTES BEFORE DEACTIVATING FAN TO PREVENT SHORT CYCLING. PROVIDE RELAY, WIRING, AND ALL COMPONENTS REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH DIV 26 CONTRACTOR FOR INTEGRATION WITH OCCUPANCY SENSOR INSTALLATION.
5. RELOCATE EXISTING CEILING DIFFUSER TO NEXT AVAILABLE CEILING TILE, SOUTH OF NEW RESTROOMS. PROVIDE NEW FLEXIBLE DUCT AND RECONNECT TO OPERATE AS BEFORE.
6. RELOCATE EXISTING THERMOSTAT OUTSIDE OF NEW RESTROOMS AS INDICATED. RECONNECT TO OPERATE AS BEFORE.



1 OVERALL FLOOR PLAN - GROUND LEVEL - MECHANICAL

0' 8' 16' 32'
1/16" = 1'-0"



2 FLOOR PLAN - SECTOR A - MECHANICAL

0' 4' 8' 16'
1/8" = 1'-0"

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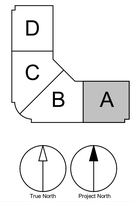

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97006

PROJECT NO:
142595

SHEET TITLE

FLOOR PLAN - GROUND LEVEL - MECHANICAL

SHEET NUMBER

M1401

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ELECTRICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ARF	ABOVE RAISED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
A	AMPERES, AMBER
AV	AUDIO VISUAL
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AVAILABLE INTERRUPTING CAPACITY
BAS	BUILDING AUTOMATION SYSTEM
CA	CABLE
CAT	CATEGORY
CLG	CEILING
CB	CIRCUIT BREAKER
C	CONDUIT, CLOSE, CONTROL
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
COORD	COORDINATE
CU	COPPER
dB	DECIBEL
(X)	DEMOLISH
DTL	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NON-METALLIC TUBING
ESD	ELECTROSTATIC DISCHARGE
EL	ELEVATION
E	EMERGENCY
EF	EXHAUST FAN
(E)	EXISTING
FMS	FACILITY MANAGEMENT SYSTEMS
FF	FINISH FLOOR
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FMC	FLEXIBLE METAL CONDUIT
FT	FOOT, FEET
FBO	FURNISHED BY OTHERS
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
GE	GROUNDING EQUALIZER
HH	HANDHOLE
HT	HEIGHT
HC	HORIZONTAL CROSS CONNECT
ID	IDENTIFICATION
IN	INCH, INCHES
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IMC	INTERMEDIATE METAL CONDUIT
IG	ISOLATED GROUND
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
LNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LV	LOW VOLTAGE
MOCP	MAXIMUM OVERCURRENT PROTECTION
MHz	MEGAHERTZ
mA	MILLIAMPERES
MIN	MINIMUM
MCA	MINIMUM CIRCUIT AMPS
MISC	MISCELLANEOUS
M	MOTOR
MCC	MOTOR CONTROL CENTER
MT, MTD	MOUNT, MOUNTED
MDU	MULTI-DWELLING UNIT
NEC	NATIONAL ELECTRIC CODE
NESC	NATIONAL ELECTRIC SAFETY CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N	NEUTRAL
(N)	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N/A	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OSP	OUTSIDE PLANT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PNL	PANEL
PH	PHASE
PVC	POLY-VINYL-CHLORIDE
PWR	POWER
QTY	QUANTITY
REF	REFERENCE
(R)	RELOCATE
RFI	REQUEST FOR INFORMATION
REQD	REQUIRED
RMC	RIGID METAL CONDUIT
RM	ROOM
SHT	SHEET
SIM	SIMILAR
SPKR	SPEAKER
STD	STANDARD
SPD	SURGE PROTECTION DEVICE
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TTB	TELEPHONE TERMINAL BOARD
TBD	TO BE DETERMINED
XFMR	TRANSFORMER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TP	TRANSITION POINT
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UPS	UNINTERRUPTIBLE POWER SUPPLY
UON	UNLESS OTHERWISE NOTED
VFD	VARIABLE FREQUENCY DRIVE
VRFY	VERIFY
V	VOLTS, VOLTAGE
WP	WEATHERPROOF
WG	WIRE GUARD
W	WIRE, WHITE
W/	WITH
W/O	WITHOUT
WAO	WORK AREA OUTLET

Connections / Equipment

- HEAVY DUTY FUSED DISCONNECT SWITCH
- MOTOR CONNECTION
- NON-FUSED DISCONNECT SWITCH
- WALL-MOUNTED JUNCTION BOX

General

- DETAIL NUMBER AND SHEET LOCATION
- XX-X — EQUIPMENT IDENTIFICATION
- 1 — KEYED NOTE
- POINT OF CONNECTION
- 3 / XXX — SECTION NUMBER AND SHEET LOCATION
- DEMOLISH
- EXISTING WORK
- NEW WORK

Lighting

- RECESSED 2' X 4' LUMINAIRE
- RECESSED LUMINAIRE
- WALL MOUNTED 6" WIDE LUMINAIRE

Miscellaneous

- #10 THHN-THWN-2 B-27,29,31. — BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
- BRANCH PANEL
- CIRCUIT BREAKER
- FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED
- FLUSH WALL MOUNTED BRANCH PANEL
- GB — GROUND BAR
- GROUNDING POINT
- MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL
- SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED

Raceways

- EXISTING CONDUIT CONCEALED IN WALL OR CEILING SPACE
- EXISTING CONDUIT ROUTED BELOW FLOOR / GRADE
- CONDUIT CONCEALED IN WALL OR CEILING SPACE
- CONDUIT ROUTED BELOW FLOOR / GRADE
- CONDUIT ELLED DOWN
- CONDUIT ELLED UP
- CONDUIT/WIRING CONTINUATION

Switches and Receptacles

- DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS)
  A = ABOVE COUNTER
  B = CLOCK HANGER
  C = FLUSH CEILING MOUNTED
  E = EMERGENCY
  F = ARC FAULT PROTECTED BY BREAKER IN PANEL
  G = GROUND FAULT CIRCUIT INTERRUPTER
  H = HOSPITAL GRADE
  K = CHILD RESISTANT COVER
  L = ISOLATED GROUND
  P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH
  R1 = HALF SWITCHED BY OCCUPANCY SENSOR RELAY
  R2 = FULLY SWITCHED BY OCCUPANCY SENSOR RELAY
  S = SPLIT WIRED
  T = TAMPER RESISTANT SHUTTERED RECEPTACLE
  U = USB PORT(S)
  W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE
- FURNITURE POWER CENTER
- DOUBLE DUPLEX RECEPTACLE, FLUSH FLOOR
- DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- SINGLE RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- EQUIPMENT ELECTRICAL CONNECTION
- SPECIAL PURPOSE RECEPTACLE. LETTER CODE DENOTES RECEPTACLE CONFIGURATION
  LX-XXR = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE
  X-XXR = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE
  P = PENDANT MOUNT WITH CORD GRIPS. VERIFY PENDANT LENGTH
  X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED
- OS — CEILING MOUNTED OCCUPANCY SENSOR
  P = PASSIVE INFRARED
  D = DUAL TECHNOLOGY
  U = ULTRASONIC, 360 DEG RANGE
  H = ULTRASONIC, HALLWAY PATTERN
  v (LOWERCASE) = VACANCY CONTROL DESIGNATION
- WALL MOUNTED OCCUPANCY SENSOR/SWITCH
  S = PASSIVE INFRARED WITH INTEGRAL "OFF" SWITCH
  T = DUAL RELAY PASSIVE INFRARED WITH TWO INTEGRAL "OFF" SWITCHES
  D = PASSIVE INFRARED WITH INTEGRAL DIMMER TO OFF.
  v (LOWERCASE) = VACANCY CONTROL DESIGNATION
- $ — SINGLE POLE SWITCH
  2 = DOUBLE POLE SWITCH
  3 = THREE-WAY SWITCH
  4 = FOUR-WAY SWITCH
  a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION
  D = DIMMER
  F = FAN SPEED CONTROL
  K = KEY OPERATED SWITCH
  L = LIGHTED HANDLE
  M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
  P = SWITCH WITH PILOT LIGHT
  S = SENTRY SWITCH
  T = INTERVAL TIMER
  W = WEATHERPROOF SWITCH
  V = LOW VOLTAGE SWITCH

Telecommunications

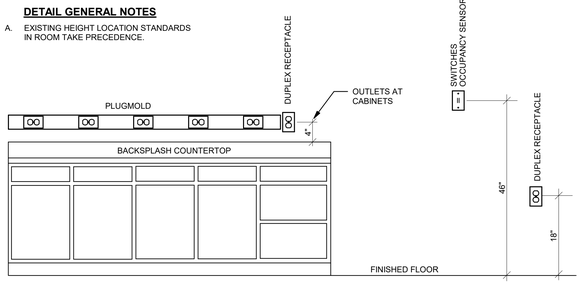
- ▽ — RACEWAY ONLY DATA OUTLET. PROVIDE DOUBLE GANG BACK BOX AND SINGLE GANG ADAPTER PLATE WITH 1" C. AND PULLSTRING TO ACCESSIBLE CEILING SPACE. SEE LETTER CODE LIST AT DATA/TELEPHONE OUTLET FOR OPTIONS.

GENERAL ELECTRICAL NOTES

A. CONSULT ALL DRAWINGS AND SPECIFICATIONS IN THIS PROJECT AND BECOME FAMILIAR WITH ALL EQUIPMENT TO BE INSTALLED. COORDINATE ALL ASPECTS OF THE CONSTRUCTION WITH THE OTHER TRADES ON THE JOB TO ENSURE THAT ALL WORK AND MATERIALS REQUIRED PROVIDE A COMPLETE AND OPERATIONAL FACILITY ARE INCLUDED IN THE BID.

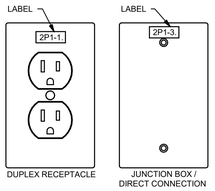
DETAIL GENERAL NOTES

A. EXISTING HEIGHT LOCATION STANDARDS IN ROOM TAKE PRECEDENCE.



1 TYPICAL MOUNTING HEIGHTS

NO SCALE



2 OUTLET LABELING

NO SCALE

SHEET INDEX

E0001 SYMBOL LIST AND GENERAL NOTES - ELECTRICAL

E1201 DEMOLITION PLANS - ELECTRICAL

E1401 FLOOR PLAN - GROUND LEVEL - ELECTRICAL

E1501 REFLECTED CEILING PLAN - GROUND LEVEL - LIGHTING

E6001 SCHEDULES - ELECTRICAL

CLIENT

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ISSUES

No.	DESCRIPTION	DATE
	BID SET	2023-04-21

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JUNE 02, 2020
MARK K. O'LEARY

EXPIRES: 12/31/24

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PROJECT

BSD ADMIN OFFICE TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE

SYMBOL LIST AND GENERAL NOTES - ELECTRICAL

SHEET NUMBER

E0001

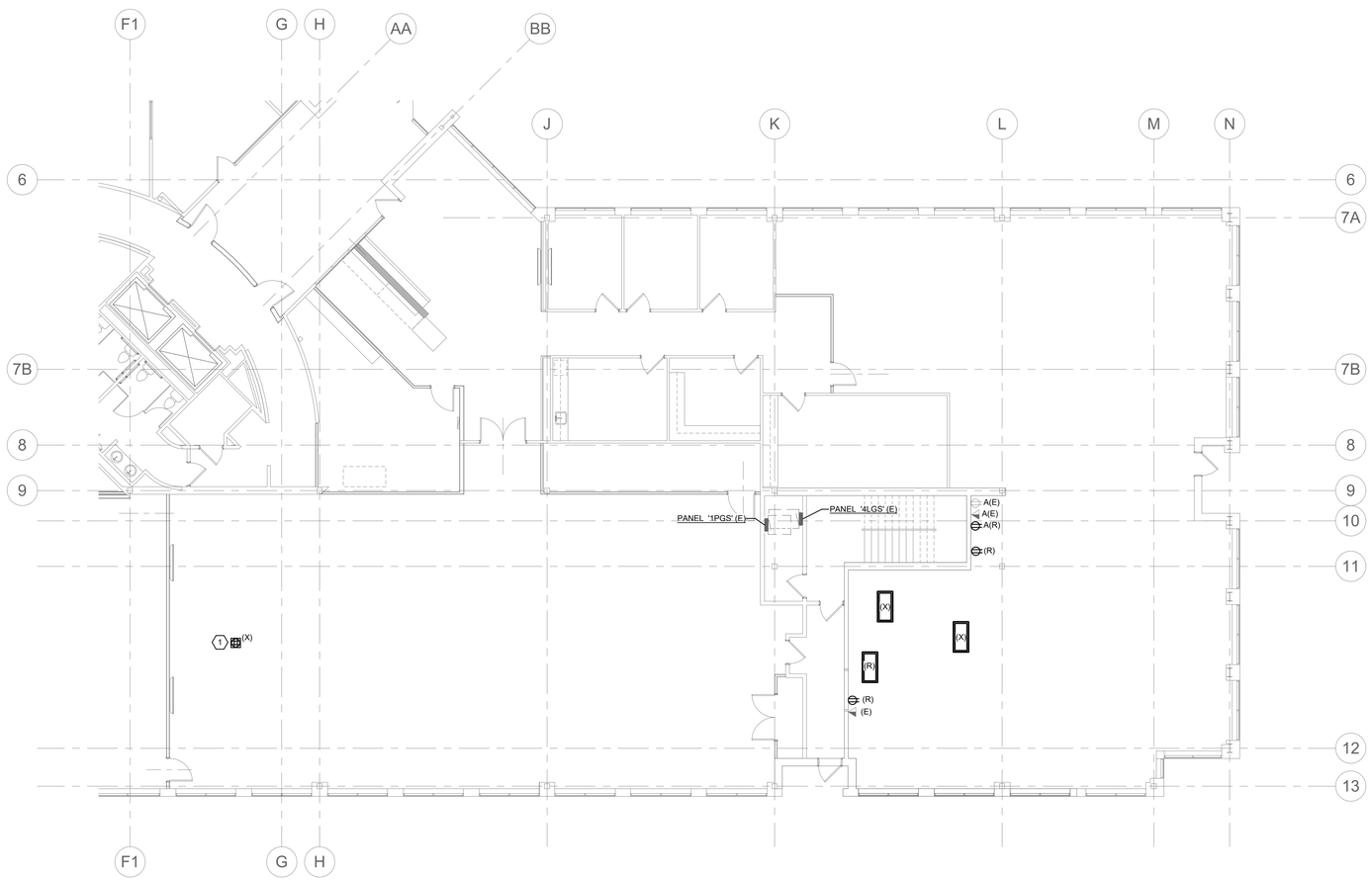
SCALE CHECK: 1 in

Autodesk Docs://142595-BSD_HighSchool R2022/BSDAdminTI_MEP_R22.rvt

4/21/2023 8:41:48 AM

SHEET KEYNOTES

1. DEMOLISH EXISTING RECEPTACLES IN FLOOR BOX. SAVE EXISTING CIRCUIT FOR EXTENDING TO NEW RECEPTACLES SHOWN ON 2/E1401.



2 DEMO PLAN - SECTOR A & B - GROUND LEVEL - POWER & LIGHTING

0' 4' 8' 16'
1/8" = 1'-0"

4/21/2023 8:41:49 AM

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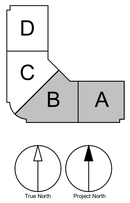
	BID SET	2023-04-21

KEYPLAN



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PROJECT

BSD ADMIN OFFICE TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE

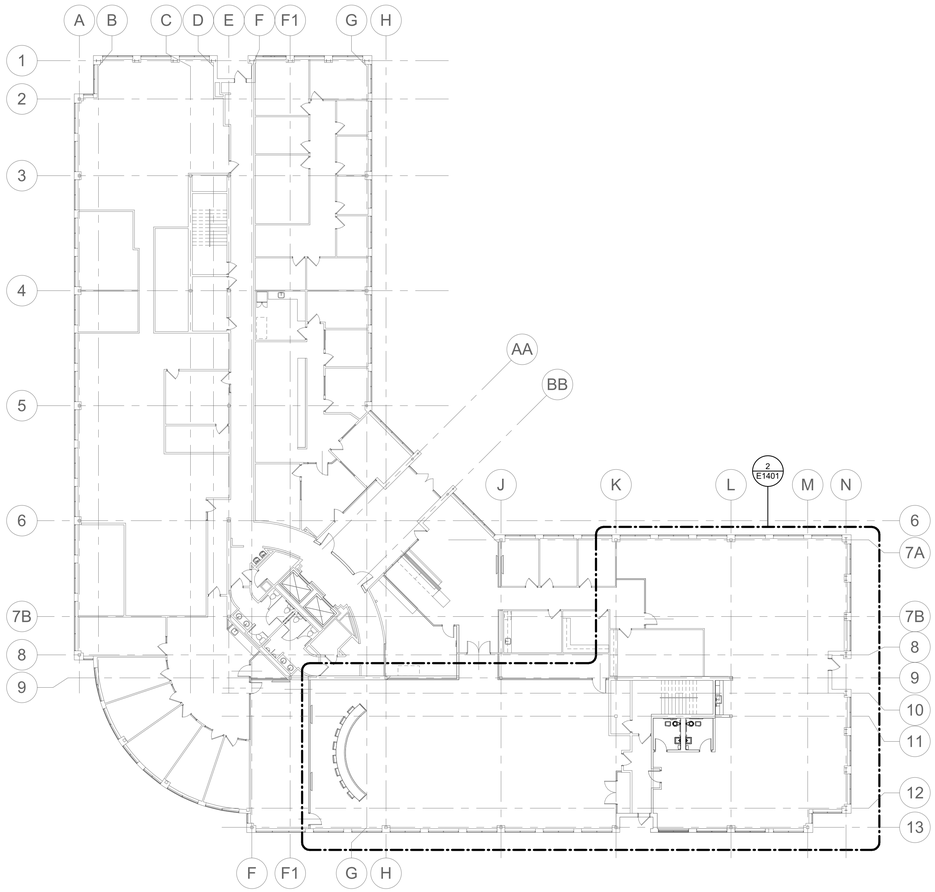
DEMOLITION PLANS - ELECTRICAL

SHEET NUMBER

E1201

Autodesk Docs://142595-BSD_HighSchool R2022/BSDAdminTI_MEP_R22.rvt

SCALE CHECK
1 in



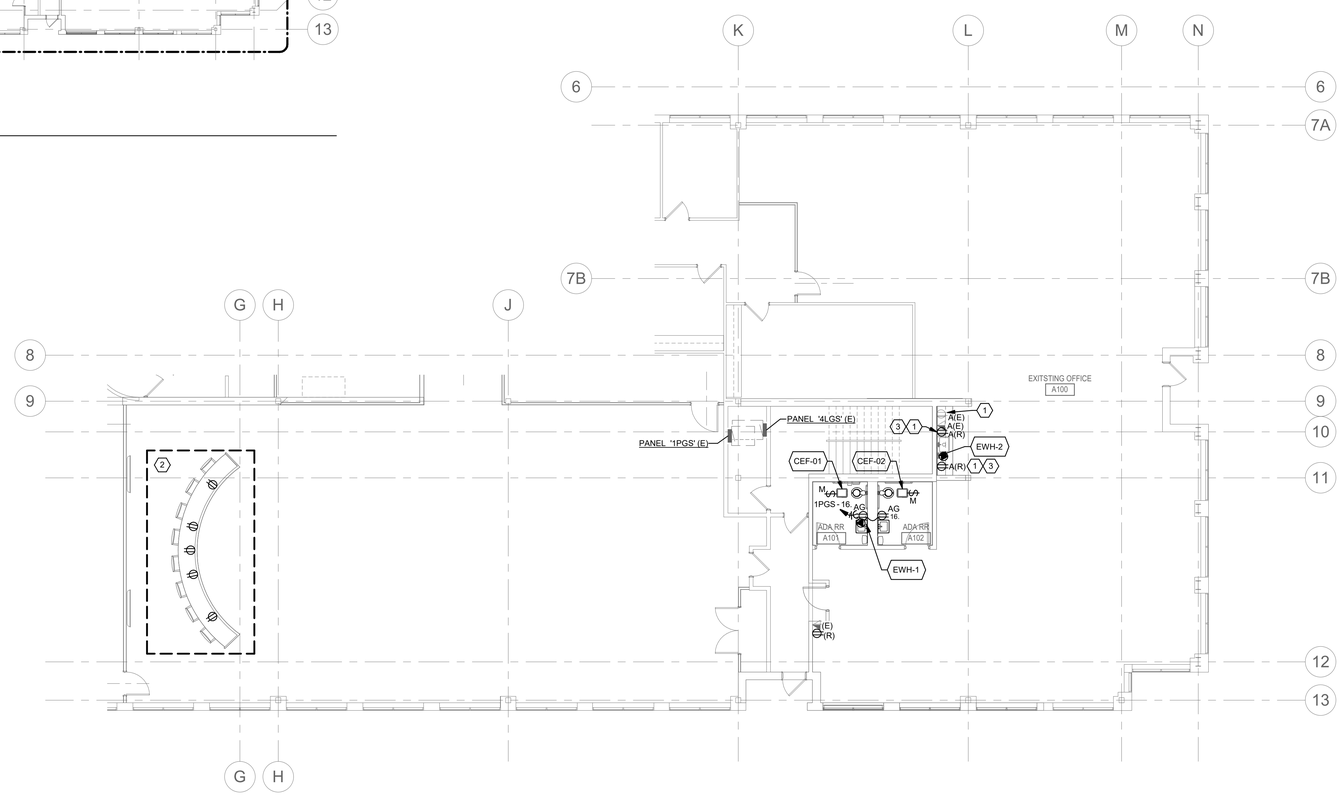
1 OVERALL FLOOR PLAN - GROUND LEVEL - POWER

0' 8' 16' 32'

1/16" = 1'-0"

SHEET KEYNOTES

1. REPLACE EXISTING DUPLEX RECEPTACLE WITH GFCI-TYPE RECEPTACLE. PROVIDE NEW COVERPLATE AND CIRCUIT LABEL.
2. INSTALL (5) LEGRAND RDZCBK BLACK FURNITURE POWER CENTERS WITH (2) TAMPER-RESISTANT RECEPTACLES, (1) USB-A CONNECTION, AND (1) USB-C CONNECTION HORIZONTAL AND ABOVE COUNTER AS SHOWN IN DETAIL 2/A4102. EXTEND POWER FROM EXISTING CIRCUIT AT FLOOR BOX. CONTRACTOR SHALL COORDINATE THE LOCATIONS WITH ARCHITECTURAL DRAWINGS AND THE MILLWORK CONTRACTOR.
3. RELOCATE EXISTING DEVICE. EXTEND CIRCUIT AS NEEDED.



2 FLOOR PLAN - SECTOR A & B - GROUND LEVEL - POWER

0' 4' 8' 16'

1/8" = 1'-0"

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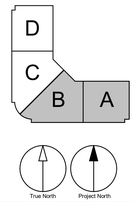
	BID SET	2023-04-21

KEYPLAN



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PROJECT

BSD ADMIN OFFICE TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE

FLOOR PLAN - GROUND LEVEL - ELECTRICAL

SHEET NUMBER

E1401

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SCALE CHECK
1 in
1 in

4/21/2023 8:41:50 AM

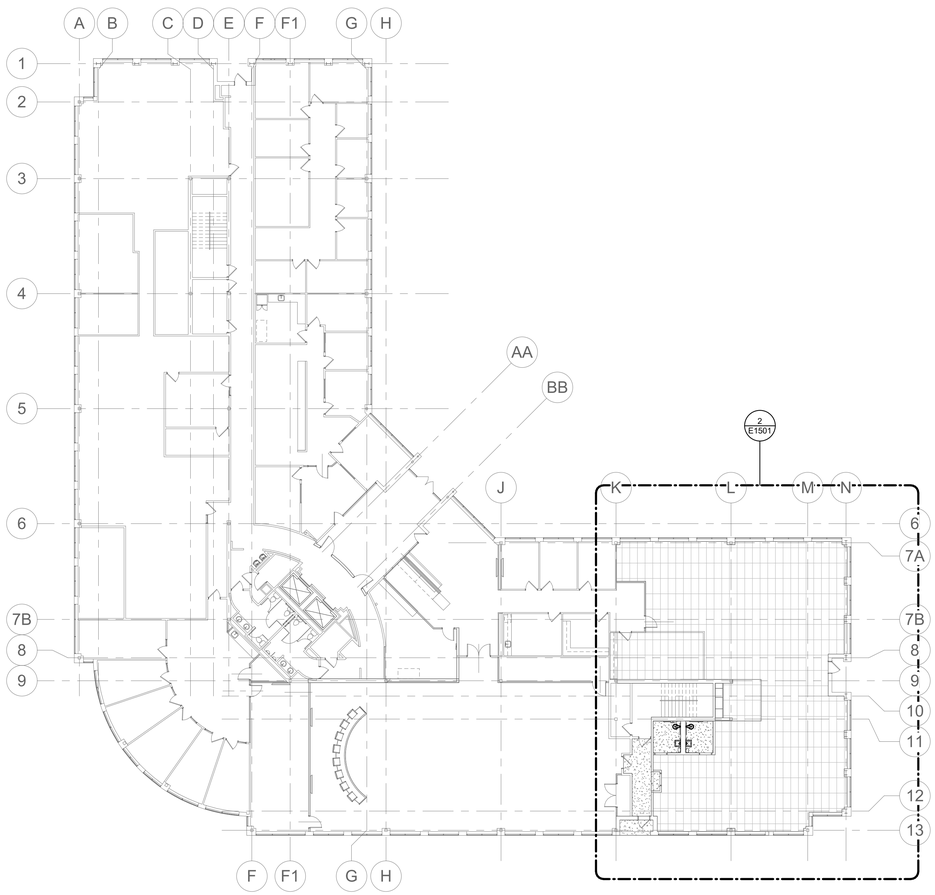
GENERAL SHEET NOTES

A. CIRCUIT NEW LIGHTS IN RESTROOM TO EXISTING LIGHTING CIRCUIT IN THIS AREA ON NORMAL POWER.

B. CIRCUIT NEW EXIT SIGN TO EXISTING LIGHTING CIRCUIT IN THIS AREA. PROVIDE UNSWITCHED CIRCUIT FOR BATTERY CHARGING AND AUTOTRANSFER CIRCUITING.

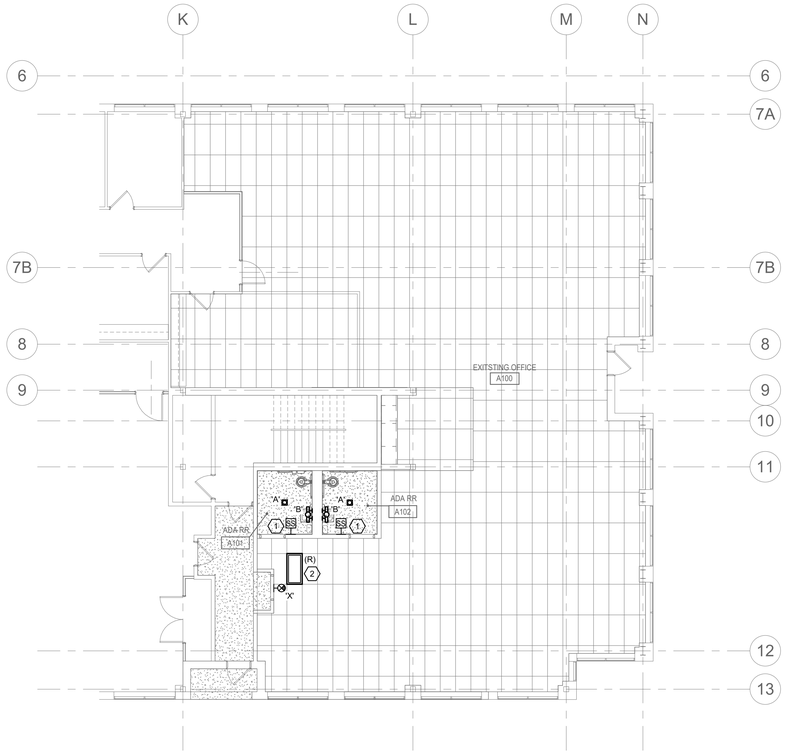
SHEET KEYNOTES

1. OCCUPANCY SENSOR/SWITCH TO CONTROL LIGHTS AND FAN TOGETHER, COORDINATE WITH DIVISION 23.
2. RELOCATE LIGHT FIXTURE. EXTEND POWER AND CONTROL CIRCUIT AS NEEDED.



1 OVERALL REFLECTED CEILING PLAN - GROUND LEVEL - LIGHTING

0' 8' 16' 32'
1/16" = 1'-0"



2 REFLECTED CEILING PLAN - SECTOR A - POWER

0' 4' 8' 16'
1/8" = 1'-0"

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ISSUES

No.	DESCRIPTION	DATE
	BID SET	2023-04-21

KEYPLAN

D
C
B A

True North Project North

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PROJECT

BSD ADMIN OFFICE TENANT IMPROVEMENT

1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE

REFLECTED CEILING PLAN - GROUND LEVEL - LIGHTING

SHEET NUMBER

E1501

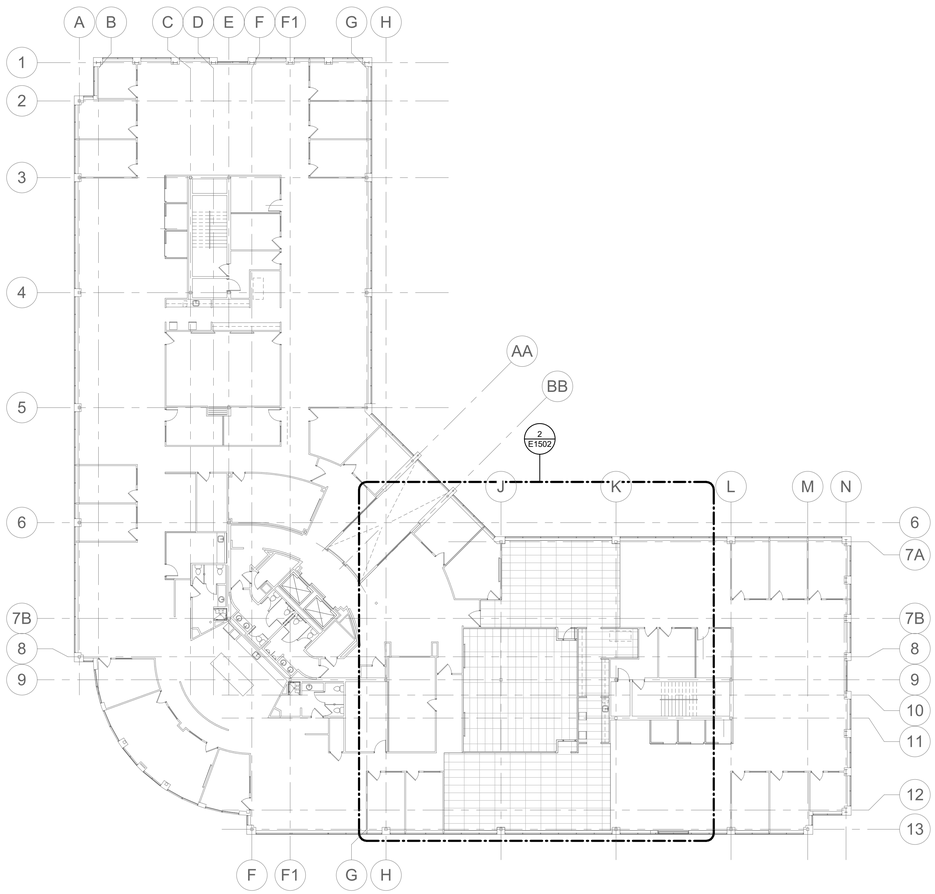
4/21/2023 8:41:51 AM

Autodesk Docs://142595-BSD_HighSchool R2022/BSDAdminTI_MEP_R22.rvt

SCALE CHECK
1 in

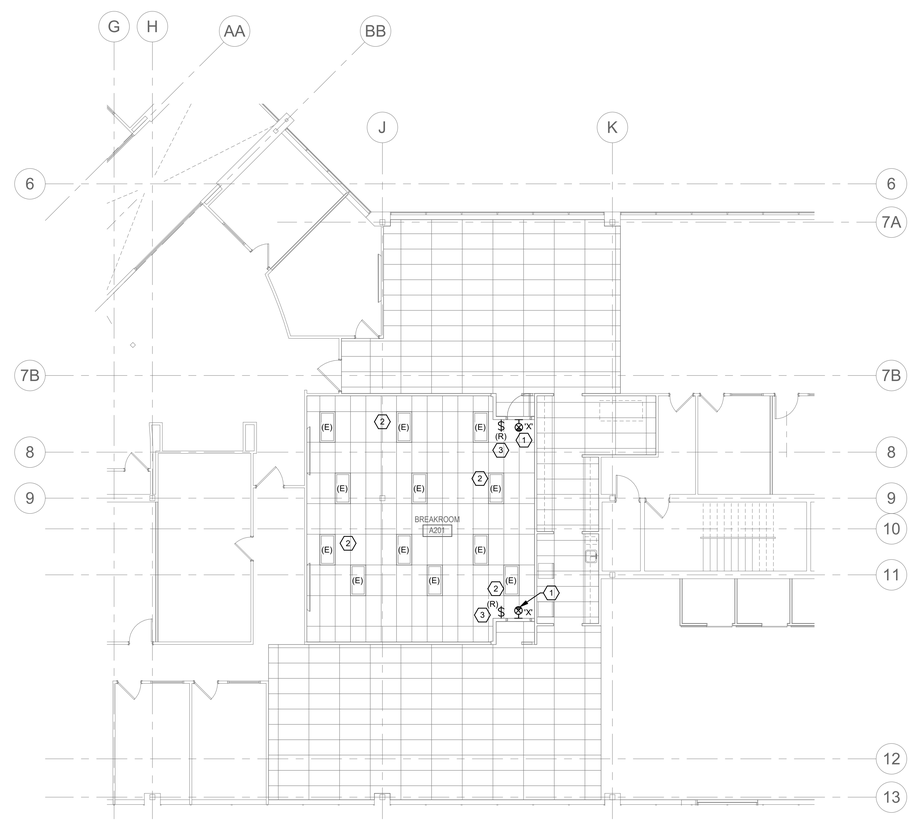
SHEET KEYNOTES

1. EXTEND EXISTING CIRCUIT IN ROOM TO NEW EXIT SIGNS. PROVIDE UNSWITCHED CIRCUIT FOR BATTERY CHARGING AND AUTOTRANSFER CIRCUITING.
2. PROVIDE NEW EMERGENCY BATTERY BACK WITH MINIMUM 1100 LUMENS FOR LUMINAIRE. PROVIDE UNSWITCHED CIRCUIT FOR BATTERY CHARGING AND AUTOTRANSFER CIRCUITING. PROVIDE TEST SWITCH MOUNTED FLUSH ON CEILING NEXT TO LUMINAIRE.
3. RELOCATE EXISTING LIGHT SWITCH AT THIS ENTRANCE TO NEW WALL. EXTEND CONTROL CIRCUIT AS NEEDED.



1 OVERALL REFLECTED CEILING PLAN - LEVEL 02 - LIGHTING

0' 8' 16' 32'
1/16" = 1'-0"



2 REFLECTED CEILING PLAN - SECTOR B - LIGHTING

0' 4' 8' 16'
1/8" = 1'-0"

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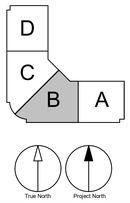
ISSUES

No.	DESCRIPTION	DATE
	BID SET	2023-04-21

KEYPLAN



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PROJECT
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1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE
REFLECTED CEILING PLAN - LEVEL 02 - LIGHTING

SHEET NUMBER
E1502

4/21/2023 8:41:33 AM

Autodesk Docs://142595-BSD_HighSchool R2022/BSDAdmin/TI_MEP_R22.rvt

SCALE CHECK
1 inch

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	HOUSING	SHIELDING	MOUNTING	FINISH	UL/IP RATING	DRIVER/POWER SUPPLY	LIGHT SOURCE	INPUT WATTS	MFG/CATALOG #	NOTES
'A'	RECESSED LED DOWNLIGHT, MEDIUM DISTRIBUTION, NOMINAL 4IN DIAMETER x 7IN TALL	20-GAUGE GALVANIZED STEEL	SEMI-SPECULAR LENS	RECESSED		UL DAMP	INTEGRAL DRIVER; 0-10V DIMMING	NOMINAL 1000 LUMENS, 80+ CRI, MATCH COLOR TEMPERATURE TO EXISTING IN BUILDING	8.8	GOTHAM EVO4 SERIES OR SIMILAR	
'B'	WALL MOUNTED LINEAR LED VANITY LIGHT; NOMINAL 2FT LONG x 3.5IN TALL x 4IN DEEP	EXTRUDED ALUMINUM	FROSTED ACRYLIC	WALL MOUNTED @ 0'-6" ABOVE TOP OF VANITY	WHITE	UL DAMP	INTEGRAL DRIVER; 0-10V DIMMING	NOMINAL 500 LUMENS PER FOOT; 80CRI; MATCH COLOR TEMPERATURE TO EXISTING IN SPACE	10.6	AXIS AIR SERIES OR SIMILAR	
'X'	UNIVERSAL THIN PROFILE EXIT SIGN WITH EMERGENCY BATTERY BACKUP; CONTRACTOR TO VERIFY BACK BOX REQUIREMENTS PRIOR TO ROUGH IN. NOMINAL .5 IN DEEP x 8.5IN TALL x 12IN LONG	DIE CAST ALUMINUM	NA	WALL MOUNTED		UL DAMP	INTEGRAL DRIVER	LED; GREEN LETTERING	2.0	EVENLITE RAZOR SERIES; ISOLITE, PATHWAY, SURE-LITES TPX, BARRON LIGHTING, OR APPROVED	

NOTES

1 THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING THE ELECTRICAL SPECIFICATIONS.

2 DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATIBLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN ON DRAWINGS.

3 COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRES. COORDINATE INSTALLATION WITH REFLECTED CEILING PLAN.

4 SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.

5 PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIRE, LAMP AND DIMMABLE LED DRIVER INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.

6 PROVIDE FUNCTIONAL TESTING OF LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH THE 2021 OREGON ENERGY EFFICIENCY SPECIALY CODE (OEESC) FUNCTIONAL TESTING REQUIREMENTS

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

SYMBOL	DESCRIPTION	LOCATION	VOLTS	PH	LOAD (VA)	MOCP	CIRCUIT NUMBER	WIRE / CONDUIT	NOTES
CEF-01	EXHAUST FAN	ADA RR A101	120	1	9.4	20	1PGS-18	202	1
CEF-02	EXHAUST FAN	ADA RR A102	120	1	9.4	20	1PGS-18	202	1
EWH-1	TANKLESS WATER HEATER	LEVEL 1 RESTROOMS	277	1	4155.0	20	4LGS-7	202	
EWH-2	TANK LESS WATER HEATER	LEVEL 1 COUNTER	277	1	9972.0	50	4LGS-9	502	

GENERAL MECHANICAL EQUIPMENT CONNECTION NOTE:

A. THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. ACTUAL MANUFACTURER FOR EQUIPMENT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR LOADS AND OVER CURRENT PROTECTION REQUIREMENTS PRIOR TO INSTALLATION OF WIRING.

B. MOCP = MAXIMUM OVER CURRENT PROTECTION.
MCA = MINIMUM CIRCUIT AMPACITY

C. PROVIDE DISCONNECTING MEANS FOR EACH ITEM OF EQUIPMENT LISTED IN THE SCHEDULE ABOVE, EXCEPT AS SPECIFICALLY NOTED OTHERWISE IN SCHEDULE NOTES, BELOW.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

1 FAN TO BE COTROLLED TOGETHER WITH LIGHTS IN SPACE. COORDINATE WITH DIVISION 23.

WIRE/CONDUIT SCHEDULE

202 2 #12 CU, 1 #12 CU GND., IN 3/4" C.
502 2 #6 CU, 1 #10 CU GND., IN 3/4" C.

PANELBOARD: 1PGS (E)

MAIN LUG ONLY
BUS AMPACITY: 225 A
EQUIPMENT RATING: 120/208 V, 3PH, 4 WIRE
AIC RATING: SEE ONE-LINE DIAGRAM

MOUNTING: SURFACE
ENCLOSURE: TYPE 1
LOCATION:
SUPPLIED FROM:
Accessories:

CKT	Description/Location	Type	C.B.	Pole	Note	Load (VA) A	Load (VA) B	Load (VA) C	Load (VA) A	Load (VA) B	Load (VA) C	Note	Pole	C.B.	Type	Description/Location	CKT
1	EXISTING	--	20 A	1		0			0				1	20 A	--	EXISTING	2
3	EXISTING	--	20 A	1			0			0			1	20 A	--	EXISTING	4
5	EXISTING	--	20 A	1				0			0		1	20 A	--	EXISTING	6
7	EXISTING	--	20 A	1		0			0				1	20 A	--	EXISTING	8
9	EXISTING	--	20 A	1			0			0			1	20 A	--	EXISTING	10
11	EXISTING	--	20 A	1				0			0		1	20 A	--	EXISTING	12
13	EXISTING	--	20 A	1		0			0				1	20 A	--	EXISTING	14
15	EXISTING	--	20 A	1			0			360			1	20 A	R	BATHROOM RECEPTACLES	16
17	EXISTING	--	20 A	1				0			19		1	20 A	Motor	BATHROOM EXHAUST FANS	18
19	EXISTING	--	20 A	1		0			0				1	20 A	--	EXISTING	20
21	EXISTING	--	20 A	1			0			0			1	20 A	--	EXISTING	22
23	EXISTING	--	20 A	1				0			0		1	20 A	--	EXISTING	24
25	EXISTING	--	20 A	1		0			0				1	20 A	--	EXISTING	26
27	EXISTING	--	20 A	1			0			0			1	20 A	--	EXISTING	28
29	EXISTING	--	20 A	1				0			0		1	20 A	--	EXISTING	30
31	EXISTING	--	20 A	1		0			0				1	20 A	--	EXISTING	32
33	EXISTING	--	20 A	1			0			0			1	20 A	--	EXISTING	34
35	EXISTING	--	20 A	1				0			0		1	20 A	--	EXISTING	36
37	EXISTING	--	20 A	1		0			0				1	20 A	--	EXISTING	38
39	EXISTING	--	20 A	1			0			0			1	20 A	--	EXISTING	40
41	EXISTING	--	20 A	1				0			0		1	20 A	--	EXISTING	42

Total Connected load Ph. A	0 A	Panel Connected Load: 0.4 kVA	1.1 A
Total Connected load Ph. B	3 A	Total Demand Load: 0.4 kVA	1.1 A
Total Connected load Ph. C	0 A		

Notes:

PANELBOARD: 4LGS (E)

MAIN CIRCUIT BREAKER 125 A
BUS AMPACITY: 125 A
EQUIPMENT RATING: 480/277 V, 3PH, 4 WIRE
AIC RATING: SEE ONE-LINE DIAGRAM

MOUNTING: SURFACE
ENCLOSURE: TYPE 1
LOCATION:
SUPPLIED FROM:
Accessories:

CKT	Description/Location	Type	C.B.	Pole	Note	Load (VA) A	Load (VA) B	Load (VA) C	Load (VA) A	Load (VA) B	Load (VA) C	Note	Pole	C.B.	Type	Description/Location	CKT
1	EXISTING	--	20 A	1		0			0				3	20 A	--	EXISTING	2
3	EXISTING	--	20 A	1			0			0		--	--	--	--	--	4
5	EXISTING	--	20 A	1				0			0	--	--	--	--	--	6
7	EWH-1	W	20 A	1		4,155			0				1	20 A	--	EXISTING	8
9	EWH-2	W	50 A	1			9,972			0			1	20 A	--	EXISTING	10
11	BUSSED SPACE	--	--	1				--			--		1	--	--	BUSSED SPACE	12
13	EXISTING	--	20 A	3		0			0				1	20 A	--	EXISTING	14
15	--	--	--	--	--		0			0			1	20 A	--	EXISTING	16
17	--	--	--	--	--			0			0		1	20 A	--	EXISTING	18
19	EXISTING	--	20 A	3	--	0			--				1	--	--	BUSSED SPACE	20
21	--	--	--	--	--		0			--			1	--	--	BUSSED SPACE	22
23	--	--	--	--	--			0			--		1	--	--	BUSSED SPACE	24
25	BUSSED SPACE	--	--	1		--			--				1	--	--	BUSSED SPACE	26
27	BUSSED SPACE	--	--	1			--			--			1	--	--	BUSSED SPACE	28
29	BUSSED SPACE	--	--	1				--			--		1	--	--	BUSSED SPACE	30

Total Connected load Ph. A	17 A	Panel Connected Load: 14.1 kVA	17.0 A
Total Connected load Ph. B	38 A	Total Demand Load: 17.7 kVA	21.2 A
Total Connected load Ph. C	0 A		

Notes:

CLIENT
BEAVERTON SCHOOL DISTRICT
1260 NW Waterhouse Avenue
Beaverton, OR 97006

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Arcadis Architects (USA) Inc.

ISSUES

No.	DESCRIPTION	DATE
	BID SET	2023-04-21

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MARK K. O'LEARY
EXPIRES: 12/31/24

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PROJECT
BSD ADMIN OFFICE
TENANT IMPROVEMENT
1260 NW WATERHOUSE AVE
BEAVERTON, OR
97006

PROJECT NO:
142595

SHEET TITLE
SCHEDULES - ELECTRICAL

SHEET NUMBER
E6001

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