AZALEA CHILD CARE CENTER ISSUED FOR BUILDING PERMIT: FEBUARY 9, 2023

OWNER

OREGON STATE UNIVERSITY: FAMILY RESOURCE CENTER / AZAEA CHILDCARE 1050 SW MADISON AVE, CORVALLIS, OR 97333

PROJECT MANAGER: PATRICK ROBINSON Patrick.Robinson@oregonstate.edu

ROWELL BROKAW ARCHITECTS 1203 WILLAMETTE STREET, SUITE 210 EUGENE, OR 97401 PH: 541-485-1003 CONTACTS: BRITNI JESSUP, AIA - PRINCIPAL

ARCHITECT

THE AZALEA EARLY CHILDHOOD CENTER PROJECT IS THE RENOVATION OF AN EXISTING DAYCARE FACILITY ON OREGON STATE UNIVERSITY CAMPUS. THE PROJECT INCLUDES

BRITNI@ROWELLBROKAW.COM SERENĂ LIM - ARCHITECT SERENA@ROWELLBROKAW.COM

STRUCTURAL ENGINEER 111 SW FIFTH AVENUE, SUITE 2600 PORTLAND, OR 97204 PH: 503.764.0510 CONTACT:

AARON BURKHARDT AARON.BURKHARDT@KPFF.COM

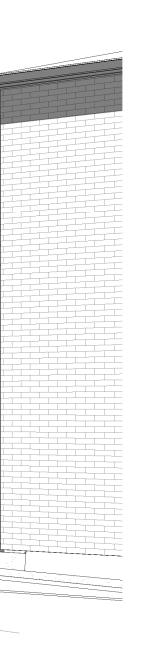
MECHANICAL / PLUMBING ENGINEER PAE 151 SW 1ST AVE, PORTLAND, OR 97204 PH: 503.542.0508 CONTACT: CONRAD BROWN CONRAD.BROWN@PAE-ENGINEERS.COM

PROJECT DESCRIPTION

BUILDOUT OF THE 2ND FLOOR, IMPROVED 2ND FLOOR ACCESS TO THE PLAYGROUND, A COVERED SIDE ENTRY FOR UPPER FLOOR OFFICES, COVERED PLAY AREA IN THE MAIN PLAYGROUND, UPGRADED WINDOWS, MECHANICAL SYSTEMS, AND ELECTRICAL SERVICE, AND INCIDENTAL MODIFICATIONS TO THE 1ST FLOOR.

VIEW FROM SE - RENDERING - NOT FOR CONSTRUCTION

ELECTRICAL ENGINEER PAF 151 SW 1ST AVE, PORTLAND, OR 97204 PH: 503.542.0508 CONTACT: ROBERT MILLS ROBERT.MILLS@PAE-ENGINEERS.COM







ROWELL **BROKAW**

1203 Willamette Street Suite 210 Eugene, Oregon 97401 541 485 1003 rowellbrokaw.com

Architecture. Design. Strategy.





REVISIONS TO THIS SHEET REV. DATE DESCRIPTION

SET ISSUE DATE

BP 2024-02-09 100% DD 2023-12-15 100% SD 2023-10-28

PROJECT TRACKING

PROJECT	TRACKING
RBA #:	2327
P.I.C:	BJ
PM / PA:	PK/SL

Owner OSU FRC

Project Name AZALEA CHILD CARE CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

COVER

G-001

GENER	
G-001	COVER
G-002	CODE INFORMATION
G-003	1st FLOOR CODE PLAN
G-004	2nd FLOOR CODE PLAN
G-005	ACCESSIBLE ROUTE - DOORS - CLEARANCES
G-006	ACCESSIBILITY - PUBLIC SPACES AND ACCESSIBLE UNITS
ARCHIT	ECTURAL
A-001	LEGENDS - NOTES - ABBREVIATIONS
A-002	ASSEMBLIES
A-010	SITE PLAN
A-100	EXISTING / DEMO PLANS
A-111	1ST FLOOR PLAN
A-112	2ND FLOOR PLAN
A-113	ATTIC PLAN
A-141	REFLECTED CEILING PLAN - 1ST FLOOR
A-142	REFLECTED CEILING PLAN - 2ND FLOOR
	EXISTING / DEMO BUILDING ELEVATIONS
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A-201	BUILDING ELEVATIONS
A-210	BUILDING SECTIONS
A-311	EXTERIOR DETAILS
-	EXTERIOR DETAILS - WINDOW REPLACEMENT
A-312	
A-313	EXTERIOR DETAILS - EXTERIOR STAIR
A-401	ENLARGED PLANS & ELEVATIONS - RESTROOMS
A-501	DOOR - WINDOW - STOREFRONT SCHEDULES
A-600	INTERIOR ELEVATIONS-HALLS
A-601	INTERIOR ELEVATIONS - ADMIN, WAITING, BREAK/KITCHEN,
	CONFERENCE ROOM
A-602	INTERIOR ELEVATIONS - INFANT CARE, LACTATION, TEACHER WOR
	SHARED WORKSPACE
A-603	INTERIOR ELEVATIONS - CLASSROOMS, SECURE ENTRY
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A-604	INTERIOR ELEVATIONS - OFFICES
A-620	INTERIOR DETAILS - CASEWORK
A-622	INTERIOR DETAILS
A-623	INTERIOR DETAILS - CUSTOM CASEWORK
A-624	INTERIOR DETAILS - CUSTOM CASEWORK
A-701	FINISH PLANS
A-702	FINISH SCHEDULE
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S-001	DRAWING LIST AND LIST OF ABBREVIATIONS
S-002	GENERAL STRUCTURAL NOTES
S-003	GENERAL STRUCTURAL NOTES
S-004	SPECIAL INSPECTIONS
S-005	SPECIAL INSPECTIONS
S-121	FOUNDATION PLAN
S-122	2ND FLOOR FRAMING PLAN
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M-002	NICAL SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL
	NICAL SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL
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M-002 M-003 M-004 M-010 M-100	NICAL SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL EQUIPMENT SCHEDULE - MECHANICAL EQUIPMENT SCHEDULE - MECHANICAL SITE PLANS - MECHANICAL DEMO FLOOR PLANS - 1ST AND 2ND - MECHANICAL
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M-002 M-003 M-004 M-010 M-100 M-101 M-121 M-122 M-223	SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL EQUIPMENT SCHEDULE - MECHANICAL EQUIPMENT SCHEDULE - MECHANICAL SITE PLANS - MECHANICAL DEMO FLOOR PLANS - 1ST AND 2ND - MECHANICAL DEMO FLOOR PLANS - ATTIC AND ROOF - MECHANICAL SCHEMATIC 1ST FLOOR PLAN - MECHANICAL SCHEMATIC 2ND FLOOR PLAN - MECHANICAL SCHEMATIC 2ND FLOOR PLAN - MECHANICAL SCHEMATIC ATTIC PLAN - MECHANICAL
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M-002 M-003 M-004 M-010 M-100 M-101 M-121 M-122 M-223 M-224 M-501	SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL EQUIPMENT SCHEDULE - MECHANICAL EQUIPMENT SCHEDULE - MECHANICAL SITE PLANS - MECHANICAL DEMO FLOOR PLANS - 1ST AND 2ND - MECHANICAL DEMO FLOOR PLANS - ATTIC AND ROOF - MECHANICAL SCHEMATIC 1ST FLOOR PLAN - MECHANICAL SCHEMATIC 2ND FLOOR PLAN - MECHANICAL SCHEMATIC 2ND FLOOR PLAN - MECHANICAL SCHEMATIC ATTIC PLAN - MECHANICAL SCHEMATIC ATTIC PLAN - MECHANICAL SCHEMATIC ATTIC PLAN - MECHANICAL SCHEMATIC ATTIC PLAN - MECHANICAL
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DRAWING INDEX

SHEET NAME

CHAPTER 1: ADMINISTRATION PROJECT ADDRESS: 1050 SW MADISON AVENUE CORVALLIS, OREGON 97333

LEGAL DESCRIPTION:

OREGON STATE UNIVERSITY APPLICABLE ZONING:

PUBLIC INSTITUTION - ZONE OSU

MAP AND TAX LOT NUMBER: 11535CC08200

CODE JURISDICTION: CITY OF CORVALLIS

APPLICABLE CODES:
2022 OREGON STRUCTURAL SPECIALITY CODE
2022 OREGON FIRE CODE
2022 OREGON MECHANICAL SPECIALTY CODE
2021 OREGON ELECTRICAL SPECIALTY CODE
2021 OREGON PLUMBING SPECIALTY CODE
2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEES
2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE OEES
2019 OREGON ZERO ENERGY READY COMMERCIAL CODE
NEPA 101 (NOTE: LOCAL CODE WILL TAKE PRECEDENCE, DE

NFPA 101 (NOTE: LOCAL CODE WILL TAKE PRECEDENCE. DEVIATIONS FROM NFPA NOTED IN INDIVIDUAL SECTIONS.) 2017 ICC ANSI A117.1 ACCESSIBLÉ AND USABLE BUILDINGS AND FACILITIES

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (ADAS)

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION PRIMARY OCCUPANCY: GROUP E, DAY CARE FACILITY

SECONDARY OCCUPANCIES: B GENERAL OFFICE

SECTION 305 GROUP E, DAY CARE FACILITIES SECTION 305.2 GROUP E. DAY CARE FACILITIES: BUILDINGS. STRUCTURES, OR PORTIONS THEREOF OCCUPIED BY MORE THAN 5 CHILDREN OLDER THAN 2-1/2 YEARS OF AGE RECEIVING EDUCATIONAL, SUPERVISION, OR PERSONAL CARE SERVICES FOR FEWER THAN 24 HOURS PER DAY.

SECTION 308 GROUP I-4, DAY CARE FACILITIES - CLASSIFIED AS GROUP E, DAYCARE SECTION 308.5.1 - CLASSIFICATION AS GROUP E: A CHILD DAY CARE FACILITY PROVIDING CARE FOR CHILDREN 2-1/2 YEARS OF AGE OR LESS, WHERE THE ROOMS IN WHICH THE CHILDREN ARE CARED FOR ARE LOCATED ON A LEVEL OF EXIT DISCHARGE SERVING SUCH ROOMS, AND EACH OF THESE CHILD CARE ROOMS HAS AN EXIT DOOR DIRECTLY TO THE EXTERIOR, SHALL BE CLASSIFIED AS GROUP E.

- ASSEMBLY WITHIN GROUP E SECTION 303.1.3 A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES THAT IS ASSOCIATED WITH A GROUP E OCCUPANCY IS NOT CONSIDERED A SEPARATE OCCUPANCY.
- ASSEMBLY WITHIN GROUP B PER 303.1.2 SMALL ASSEMBLY SPACES UNDER 50 OCC ARE CLASSIFIED AS B.

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS TOTAL (E) GROSS BUILDING SF: 11,938 SF GROUND FLOOR SUBTOTAL: 5,858 SF SECOND FLOOR SUBTOTAL: 6,070 SF

 TYPE VB SPRINKLERED BUILDING, GROUP E PRIMARY/RESTRICTIVE OCCUPANCY

 ALLOWABLE HEIGHT:
 60 FT (NO CHANGES PROPOSED)
 ALLOWABLE STORIES: 2 STORIES (NO CHANGES PROPOSED) ALLOWABLE AREA: 38,000 SF (W/O ALLOWED INCREASES)

508.3 MIXED USE OCCUPANCY, NON-SEPARATED: E AND B E OCCUPANCY: 4512 SF (GF) + 2633 SF (2ND FLR) = 7155 SF TOTAL B OCCUPANCY: 1346 SF (GF) + 3437 SF (2ND FLR) = 4783 SF TOTAL

508.3.3 NO SEPARATION IS REQUIRED BETWEEN NONSEPARATED OCCUPANCIES.

509.1 INCIDENTAL USES - LESS THAN 10% OF AREA STORY WHERE LOCATED • (E) FURNACE ASSUMED OVER 400,000 BTU INPUT AND INCIDENTAL USE, BUT ROOM NOT REQUIRED TO BE RATED IN A SPRINKLERED BUILDING. LAUNDRY ROOM IS UNDER 100 SF, THUS NOT AN INCIDENTAL USE

CHAPTER 6: TYPES OF CONSTRUCTION

CONSTRUCTION TYPE: TYPE VB

FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS - TABLE 601:

PRIMARY STRUCTURE BEARING WALL EXTERIOR BEARING WALL INTERIOR FLOOR AND ROOF CONSTRUCTION

0 HOURS 0 HOURS 0 HOURS 0 HOURS

CHAPTER 7: FIRE AND SMOKE PROTECTION FEATURES

705 EXTERIOR WALLS

TABLE 705.5 FIRE-RESISTANCE RATING OF EXTERIOR WALLS TYPE VB CONSTRUCTION W/ GROUPS E, B AND A:

MORE THAN 10' FIRE SEPARATION DISTANCE: 0 HOURS FSD IS MORE THAN 20' TO ALL ADJACENT BUILDINGS. ALL WITHIN 30' ARE B OR E OCCUPANCY AND VB CONTRUCTION TYPE.

SECTION 711 - HORIZONTAL ASSEMBLIES BASED ON CONSTRUCTION TYPE VB (TABLE 601) - 0 HOURS SECTION 713.4 - SHAFT ENCLOSURES TO BE 1 HOUR WHEN CONNECTING LESS THAN FOUR STORIES. ELEVATOR SHAFT

SECTION 720 - THERMAL- AND SOUND-INSULATING MATERIALS 720.2 - CONCEALED INSTALLATION - INSULATING MATERIALS, WHERE CONCEALED IN ANY TYPE OF CONSTRUCTION, SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.

SECTION 3006.2 - ELEVATOR HOISTWAY DOOR OPENING PROTECTION NOT REQUIRED FOR BUILDINGS WHERE ELEVATOR HOISTWAY CONNECTS FEWER THAN THREE STORES.

CHAPTER 8: INTERIOR FINISHES

SECTION 803 - WALL AND CEILING

FINISH

FUN

TABLE 803.9 GROUP E, SPRINKLERED EXIT ENCLOSURES & PASSAGEWAYS - CLASS B CORRIDORS - CLASS C ROOMS & ENCLOSED SPACES - CLASS C

SECTION 804 - FLOORS FIBER FLOOR COVERING MATERIALS - CLASS I OR CLASS II

- SECTION 806 DECORATIVE MATERIALS AND TRIM SECTION 806.2 - REQUIREMENTS FOR GROUP E. COMBUSTIBLE DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS MUST NOT EXCEED 10% OF THE SPECIFIC WALL OR CEILING AREA TO WHICH SUCH MATERIALS ARE ATTACHED. SECTION 806.2.4 - THE 10% LIMIT SHALL NOT APPLY TO COMBUSTIBLE DECORATIVE MATERIALS USED AS WINDOW COVERINGS.
- SECTION 808 ACOUSTICAL CEILING SYSTEMS INSTALL SUSPENDED CEILINGS IN ACCORDANCE WITH ASTM C635 AND C636. IF A PART OF FIRE-RATED CONSTRUCTION, SHALL BE INSTALLED IN THE SAME MANNER USED IN THE TESTED ASSEMBLY AND SHALL COMPLY WITH CHAPTER 7. ACOUSTICAL MATERIALS COMPLYING W/ SECTION 803 SHALL BE INSTALLED PER

CHAPTER 9: FIRE PROTECTION AND LIFE SAFETY SYSTEMS

SECTION 903 - AUTOMATIC SPRINKLER SYSTEMS SECTION 903.2.3 GROUP E - AUTOMATIC SPRINKLERS REQUIRED FOR FIRE AREAS OVER 12,000 SF OR LOCATED ON A FLOOR OTHER THAN THE LEVEL OF EXIT DISCHARGE.

EXISTING BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM. EXISTING SYSTEM WILL BE EXPANDED TO THE 2ND FLOOR. SECTION 907.2.3 - FIRE ALARM AND DETECTION SYSTEMS REQUIRED WITH SOME

EXCEPTIONS. ALSO REQUIRED IN SECTION 3403.7.2.1.1 GROUP E. SECTION 915 - CARBON MONOXIDE DETECTION

915.1.1.2 AND 915.1.4 REQUIRED IN GROUP E CLASSROOMS LOCATED IN BUILDINGS WITH FUELBURNING HEATERS.

915.2 LOCATE DETECTORS IN CLASSROOMS WITH A SIGNAL AUTOMATICALLY TRANSMITTED TO A LOCATION STAFFED BY SCHOOL PERSONNEL.

CHAPTER 10: MEANS OF EGRESS SECTION 1004 - OCCUPANT LOAD

OCCUPANT LOAD CRITERIA - TABLE 1004.5 SEE CODE PLANS FOR USE/FUNCTION OF INDIVIDUAL SPACES AND OCCUPANT LOAD CALCULATIONS

NCTION OF SPACE	SF/OCCUPANT
DAY CARE	35 NET
MEETING RM/CONF	15 NET
BUSINESS (OFFICE)	150 GROSS
ACCESSORY STOR/MECH	300 GROSS

SECTION 1005 - MEANS OF EGRESS SIZING ALL COMPONENTS PROVIDE MORE CAPACITY THAN REQUIRED SECTION 1005.3.1 - STAIRWAYS: 38 ACTUAL OCCUPANTS

OCCUPANT LOAD FACTOR = 0.3" MIN. STAIR WIDTH: 36" PER SECTION 1011.2 (EXC #1) ALLOWS 120 OCCUPANTS

OCC, LOAD FACTOR = 0.2" MINIMUM EXIT CORRIDOR WIDTH 1020.3 OCC LOAD <50: 36" ALLOWS 180 OCCUPANTS OCC LOAD >50: 44" ALLOWS 220 OCCUPANTS

MINIMUM DOOR CLR WIDTH: 32" ALLOWS 160 OCCUPANTS SECTION 1010.1.1 - SIZE OF DOORS MIN. DOOR WIDTH: 32" CLEAR

MIN. DOOR HEIGHT: 80" SECTION 1005.7.1 - DOORS WHEN FULLY OPEN MAY NOT REDUCE THE REQUIRED WIDTH

BY MORE THAN 7". DOORS IN ANY POSITION MAY NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 1/2.

SECTION 1006 - NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
SECTION 1006.2.1 - TWO EXIT ACCESS DOORWAYS ARE REQUIR OCCUPANT LOAD OR COMMON PATH OF EGRESS TRAVEL EXCE 1006.2.1:

OCCUPANCY	MAX. OCC. LOAD	MAX. COMMC TRAVEL DIST
A, E	49	75'
В	49	100'
	EXCEPTION 1 - THE N	
	S FOR AREAS DISCHAI	

SECTION 1017 EXIT ACCESS TRAVEL DISTANCE GROUP E, SPRINKLERED: 250 FT ALLOWED (142' ACTUAL)

SECTION 1019 EXIT ACCESS STAIRWAYS AND RAMPS 1019.3 EXIT ACCESS STAIRWAY DOES NOT REQUIRE A SHAFT ENCLOSURE, SINCE IT ONLY SERVES TWO STORIES.

SECTION 1020 - A FIRE RESISTANCE RATING OF 0 HOURS IS REQUIRED FOR CORRIDORS IN GROUP E WITH SPRINKLER SYSTEM.

SECTION 1027 - EXTERIOR EXIT STAIRWAYS PERMITTED AS AN ELEMENT OF REQUIRED MEANS OF EGRESS FOR BUILDINGS NOT EXCEEDING SIX STORIES ABOVE GRADE PLANE. SECTION 1027.6 - SEPARATION FROM INTERIOR OF THE BUILDING NOT REQUIRED FOR

OCCUPANCIES OTHER THAN GROUP R-1 OR R-2 IN BUILDINGS THAT ARE NOT MORE THAN TWO STORIES ABOVE GRADE PLACE WHERE A LEVEL OF DISCHARGE SERVING SUCH OCCUPANCIES IS THE FIRST STORY ABOVE GRADE PLANE

SECTION 3403.6.7.2 - ACCESSIBLE MEANS OF EGRESS NOT REQUIRED TO BE ADDED IN EXISTING FACILITIES.

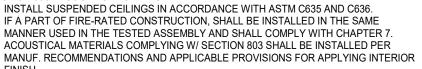
CHAPTER 11: ACCESSIBILITY

SECTION 1104 ACCESSIBLE ROUTE / SECTION 1105 ACCESSIBLE ENTRANCES (E) ACCESSIBLE SITE ROUTES AND ENTRANCES TO REMAIN ACCESSIBLE ROUTES PROVIDED THROUGHOUT THE BUILDING (E) ELEVATOR TO REMAIN

SECTION 1106 PARKING AND PASSENGER LOADING FACILITIES (E) OSU PARKING W/ ACCESSIBLE SPACES TO REMAIN (E) PASSENGER UNLOADING TO REMAIN

CHAPTER 16: STRUCTURAL DESIGN

SECTION 1604 - RISK CATEGORY EXISTING BUILDING RISK CATEGORY: II PROPOSED BUILDING RISK CATEGORY: II NO PROPOSED CHANGES TO BUILDING OCCUPANCY TYPE. OCCUPANT LOAD LESS THAN 250.



SECTION 1005.3.2 - OTHER EGRESS COMPONENTS: 69 ACTUAL OCCUPANTS (1st FLR)

EQUIRED FOR SPACES WHERE EXCEED THOSE IN TABLE

MAX. COMMON PATH OF EGRESS TANCE, W/ SPRINKLERS

> OM FOYERS, LOBBIES, THE CUMULATIVE

UCH SPACES. SECTION 1006.3.3 - 2 EXITS REQUIRED FOR STORIES W/ OCCUPANT LOAD OF 1-500.

CHAPTER 29: PLUMBING SYSTEMS

DIVIDE TOTAL NUMBER OF OCCUPANTS IN HALF TO DETERMINE, BUT SEPARATE FACILITIES ARE NOT REQUIRED FOR THIS PROJECT. FIXTURES LOCATED WITHIN UNISEX TOILET AND BATHING ROOMS SHALL BE INCLUDED IN DETERMINING THE NUMBER OF FIXTURES.

<u>REQUIRED</u> 1 PER 50 193/ 50 = 3.9

1 PER 50 193 / 50 = 3.9

<u>REQUIRED</u> 1 PER 25 29 / 25 = 1.2

1 PER 25 29 / 25 = 1.2

1 PER FLOOR

PROVIDED 8 (2 ADA)

7 (# ADA)

NONE

PROVIDED 2 (2 ADA)

2 (2 ADA)

1 PER FLOOR

OCCUPANCY E: 193 OCC FLR 1 # OF OCCUPANTS: 134 (INCL COMMONS) FLR 2 # OF OCCUPANTS: 60

OCCUPANCY B: 29 OCC FLR 1 # OF OCCUPANTS: 9

FLR 2 # OF OCCUPANTS: 20

TABLE 2902.1 - MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

E OCCUPANCY
WC
LAV
DRINKING FOUNTAINS
E OCCUPANCY
WC
LAV
DRINKING FOUNTAINS

B OCCUPANCY

I AV DRINKING FOUNTAINS B OCCUPANCY

LAV

2902.2 SEPARATE FACILITIES EXC.4. SEPARATE FACILITIES ARE NOT REQUIRED FOR EACH SEX IN BUSINESS OCCUPANCIES WITH 50 OR FEWER OCCUPANTS. ONE SINGE-USER TOILET ROOM IS PFRMITTED

2902.2.1 FAMILY OR ASSIST TOILETS CAN BE PROVIDED AS ALL-GENDER.

CHAPTER 30: ELEVATORS AND CONVEYING SYSTEMS ELEVATOR - EXISTING ELEVATOR ACCOMMODATES AMBULANCE STRETCHER OF 24"X84" WITH NOT LESS THAN 5 INCH RADIUS CORNER IN THE HORIZONTAL OPEN POSITION. ELEVATOR SHALL BE IDENTIFIED BY INTERNATIONAL SYMBOL FOR EMERGENCY MEDICAL SERVICES NO LESS THAN 3" IN HEIGHT.

ELEVATOR HOISTWAY ENCLOSURE - SEE CHAPTER 7 FIRE AND SMOKE PROTECTION FEATURES.

CHAPTER 34: EXISTING BUILDINGS

SECTION 3403 PROVISIONS FOR ALL COMPLIANCE METHODS 3403.1.3.1 - ALTERATION, USING PRESCRIPTIVE COMPLIANCE METHOD IS IN COMPLIANCE WITH THIS CHAPTER. 3404.2.3 EXISTING MATERIALS CAN REMAIN; NEW AND REPLACEMENT MATERIALS MUST MEET CURRENT CODE.

3403.6 ACCESSIBILITY BUILDING SHALL BE DESIGNED TO BE ACCESSIBLE WITH NO REDUCTION IN ACCESSIBLITY. ALTERATIONS SHALL PROVIDE ACCESS TO THE MAXIMUM EXTENT TECHNICALLY FEASIBLE

SECTION 3403.6.7.1 - THE ROUTE TO THE PRIMARY FUNCTION AREA SHALL BE ACCESSIBLE AND SHALL INCLUDE TOILET FACILITIES AND DRINKING FOUNTAINS SERVING THE AREA OF PRIMARY FUNCTION.

SECTION 3403.6.7.2 - ACCESSIBLE MEANS OF EGRESS REQUIRED BY CHAPTER 10 ARE NOT REQUIRED TO BE ADDED IN EXISTING FACILITIES. SECTION 1010.1.7 - THRESHOLDS AT DOORWAYS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM HEIGHT OF 1/2 INCH. THRESHOLDS AND FLOOR LEVEL CHANGES GREATER THAT 1/4 INCH AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN 50%.

SECTION 3403.6.7.16.1 - A MINIMUM OF ONE SITE ARRIVAL EXTERIOR ACCESSIBLE ROUTE INCLUDING CURB RAMPS SHALL BE A MINIMUM OF 36" IN WIDTH.

SECTION 3403.7.2.1.1 - FIRE ALARM SYSTEM IS REQUIRED IN GROUP E PER 907.2.3 SECTION 3403.8 - CARBON MONOXIDE DETECTION ALARMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH SECTION 915 FOR ALTERATIONS TO GROUP E OCCUPANCIES.

SECTION 3403.10 - ADDITIONS AND REPLACEMENTS OF EXTERIOR WALL COVERINGS AND EXTERIOR WALL ENVELOPES WHERE ADDED OR REPLACED, MATERIALS AND METHODS MUST COMPLY WITH CH. 14 AND 26 IF THESE AREAS INVOLVE TWO OR MORE CONTIGUOUS STORIES AND COMPRISES MORE THAN 15% OF THE TOTAL WALL AREA ANY SIDE OF THE BUILDING.

SECTION 3404 REPAIRS SECTION 3404.2.1 - REPLACEMENT GLAZING IN HAZARDOUS LOCATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS FOR NEW CONSTRUCTION.

SECTION 3405 PRESCRIPTIVE COMPLIANCE METHOD

SECTION 3405.3 - ALTERATIONS ALTERATIONS SHALL COMPLY WITH REQUIREMENTS FOR NEW CONSTRUCTION, AND SHALL NOT DECREASE THE COMPLIANCE OF THE EXISTING BUILDING. EXCEPTION 1 - AN EXISTING STAIRWAY SHALL NOT BE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF SECTION 1011 WHERE THE EXISTING SPACE AND CONSTRUCTION DO NOT ALLOW A REDUCTION IN PITCH OR SLOPE.

EXCEPTION 2 - HANDRAILS OTHERWISE REQUIRED TO COMPLY WITH SECTION 1011.11 SHALL NOT BE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF SECTION 1014.6 REGARDING FULL EXTENSION OF THE HANDRAILS WHERE SUCH EXTENSIONS WOULD OBSTRUCT EGRESS PATHS BECAUSE OF PLAN CONFIGURATION.

SECTION 3405.3.17 - LOCKING ARRANGEMENTS FOR GROUP E ARE ALLOWED TO MEET 1010.2.8. FULL EGRESS FOR ALL DOORS, BUT ALLOWED TO BE LOCKABLE REQUIRING A KEY TO ENTER.

SECTION 3405.5.1 - INSTALLATION OF REPLACEMENT WINDOWS SHALL BE AS REQUIRED FOR NEW INSTALLATIONS.

STANDARDS FOR RENOVATING. ALTERING OR **MODIFYING CERTAIN BUILDINGS**

OREGON REVISED STATUTES (ORS) §447.241 2010 ADA STANDARDS §202.4, ALTERATIONS AFFECTING PRIMARY FUNCTION AREAS

ORS 447.241 PATH OF TRAVEL IMPROVEMENTS SECTION 4, ACCESSIBLE ELEMENTS PRIORITY SHALL BE PROVIDED IN THE FOLLOWING ORDER:

- A. PARKING: ACCESSIBLE PARKING IS EXISTING. NO CHANGE TO PARKING IN PROJECT SCOPE. B. AN ACCESSIBLE ENTRANCE: EXISTING BUILDING HAS AN ACCESSIBLE
- ENTRANCE. NO CHANGE TO BUILDING ENTRIES ARE INCLUDED IN THE PROJECT SCOPE. C. AN ACCESSIBLE ROUTE TO THE ALTERED AREA: ROUTES TO AND THROUGH ALTERED AREAS WITHIN THE BUILDING MEET OR EXCEED
- ANSI A117.1. D. AT LEAST ONE ACCESSIBLE RESTROOM FOR EACH SEX OR A SINGLE UNISEX RESTROOM: MULTIPLE ACCESSIBLE TOILET FACILITIES
- PROVIDED E. ACCESSIBLE TELEPHONES: NO PUBLIC WALL PHONE
- F. ACCESSIBLE DRINKING FOUNTAIN: ONE PER FLOOR. G. ADDITIONAL ACCESSIBLE ELEMENTS: NEW ELEMENTS IN ALTERED AREAS SHALL MEET THE REQUIREMENTS OF ANSI A117.1.

OFC 906.3: FIRE EXTINGUISHER REQUIREMENTS

GENERAL: CLASS A. LIGHT FIRE HAZARD PROVIDE AT LEAST A 2A-10BC FIRE EXTINGUISHER ACCESSIBLE, MOUNTED NEAR AN EXIT PATH AND WITHIN 75' OF THE MOST REMOTE CORNER OF THE BUILDING. (FOR ADA FE TO BE MOUNTED WITH HANDLE BETWEEN 15" AND 48" ABOVE THE FLOOR.)

CODE INFORMATION

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

Project Name AZALEA CHILD CARE CENTER

OSU FRC

PROJECT	TRACKING
RBA #:	2327
P.I.C:	BJ
PM / PA:	PK/SL

SET ISSUE DATE BP 2024-02-09 100% DD 2023-12-15 100% SD 2023-10-28

REVISIONS TO THIS SHEET REV. DATE DESCRIPTION





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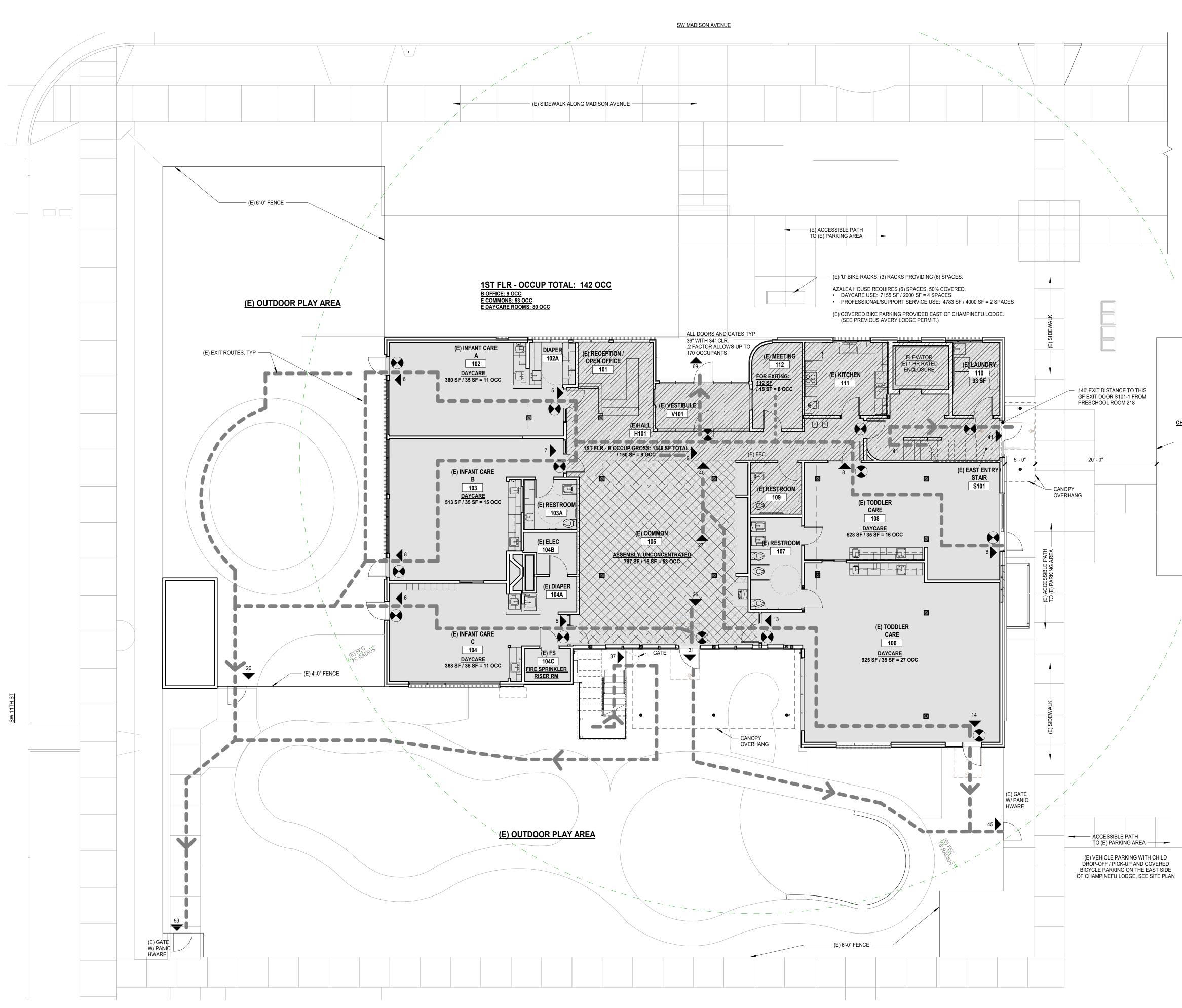
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1st FLOOR CODE PLAN

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

CENTER

AZALEA CHILD CARE

Project Name

Owner OSU FRC

PROJECT TRACKING RBA #: 2327 P.I.C: BJ PM / PA: PK/SL

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E OCCUPANCY DAYCARE

B OCCUPANCY BUSINESS

CHAMPINEFU LODGE

(E) LOCATION OF
 EXTERIOR WALL
 OF CHAMPINEFU

LODGE

KEY: CODE PLANS

ASSEMBLY OCCUPANCY WITHIN E

BUILDING OCCUPANTS TOTAL: 222 OCCUPANTS 1ST FLR: 142 OCC 2ND FLR: 80 OCC

NUMBERS OF OCCUPANTS BY OCCUPANCY:

E OCCUPANCY TOTAL: 193 OCC 1ST FLR: 133 OCC (INCL COMMONS) 2ND FLR: 60 OCC

B OCCUPANCY TOTAL: 29 OCC 1ST FLR: 9 OCC 2ND FLR: 20 OCC

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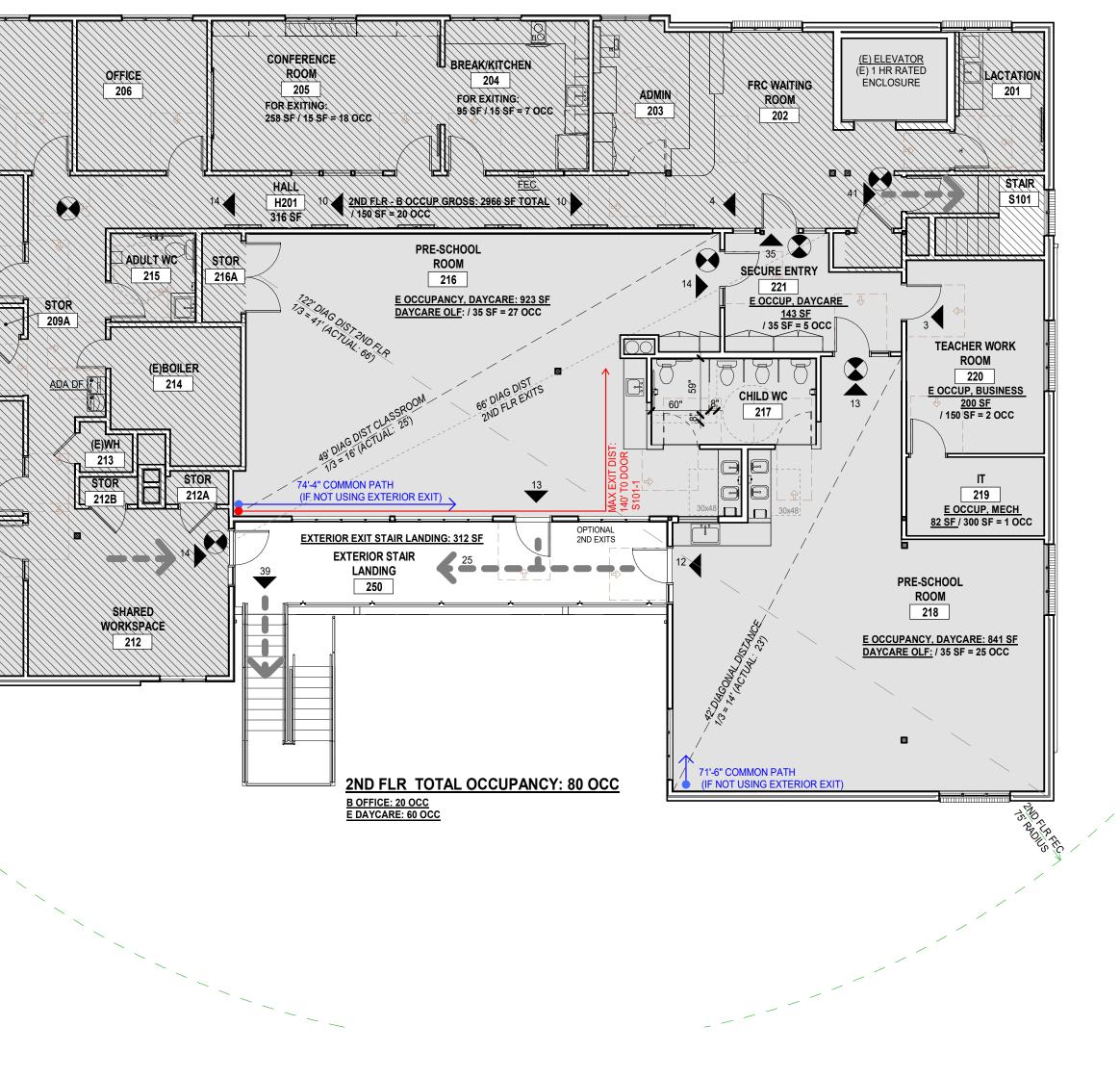
Suite 210

541 485 1003

5

DIRECTOR'S **OFFICE**207 OFFICE ADULT WC 209 **OFFICE 210** OFFICE L2NDFLRFEC I \sim

2ND FLOOR - CODE 1/8" = 1'-0"



G-004

2nd FLOOR CODE PLAN

1050 SW MADISON AVE, CORVALLIS OR 97333

Project Name
AZALEA CHILD CARE CENTER Project Address

PM / PA: PK/SL

Owner OSU FRC

PROJECT TRACKING 2327 RBA #: BJ P.I.C:

BP 2024-02-09 100% DD 2023-12-15 100% SD 2023-10-28

SET ISSUE DATE



B OCCUPANCY BUSINESS

E OCCUPANCY DAYCARE



ASSEMBLY OCCUPANCY WITHIN E



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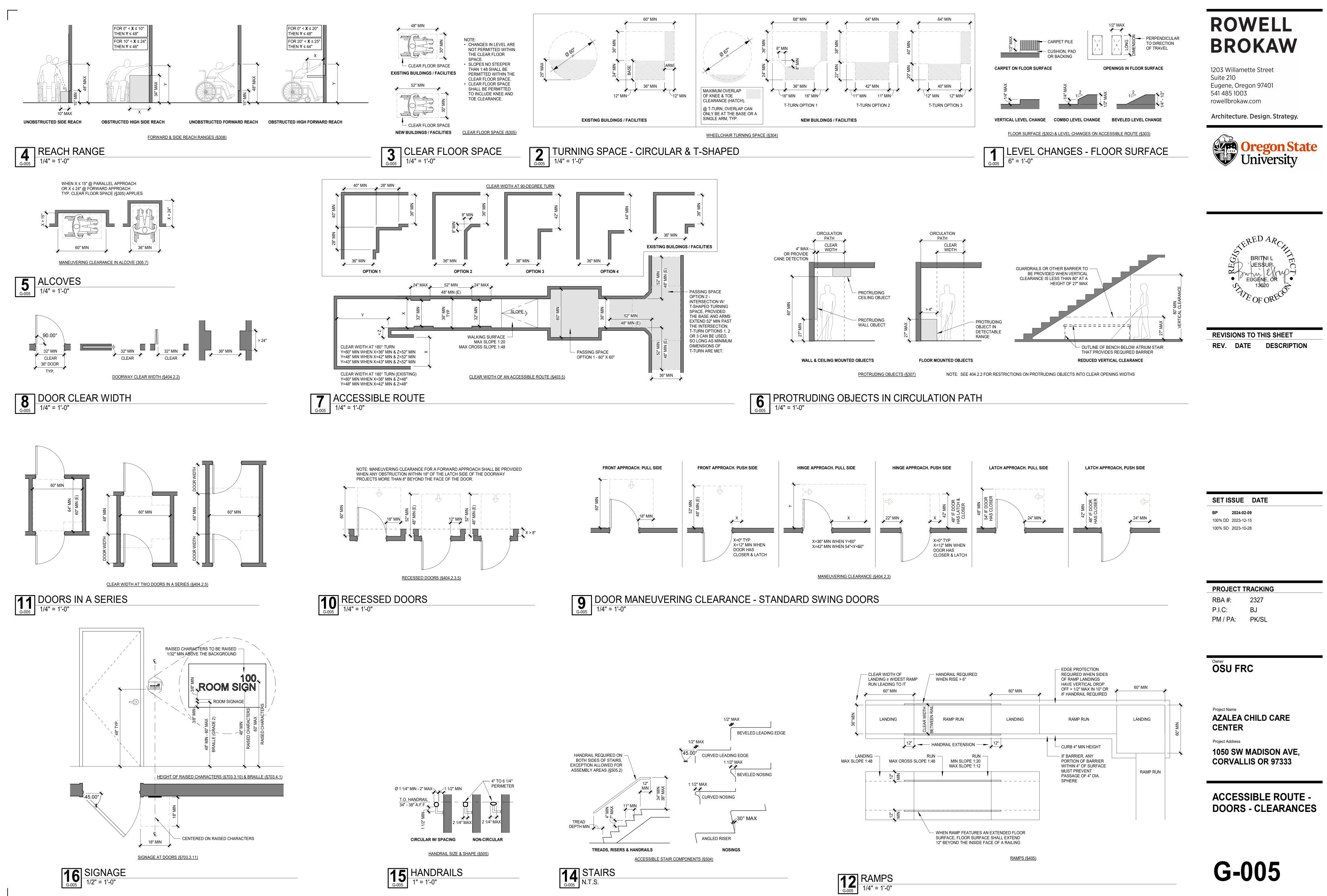
BRITNI L JESSUP

• EUGENE, OR 13620 TE OF ORE

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REV. DATE DESCRIPTION

REGIS



PASS-THROUGH KITCHENS (§804.2.1) **17** KITCHEN CLEARANCES 1/4" = 1'-0"

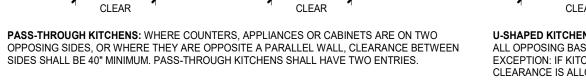
40" MIN

DW

WORK

SURFACE

REF



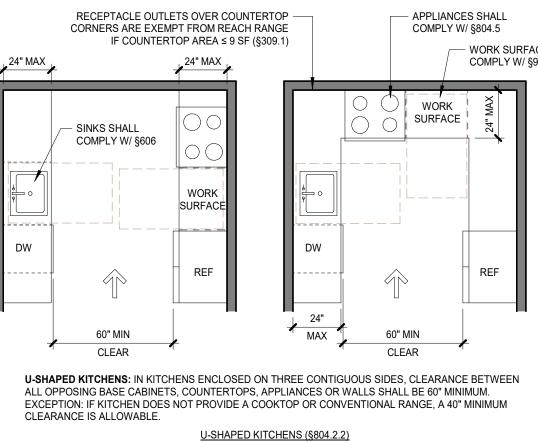
 $\langle \rangle$

40" MIN

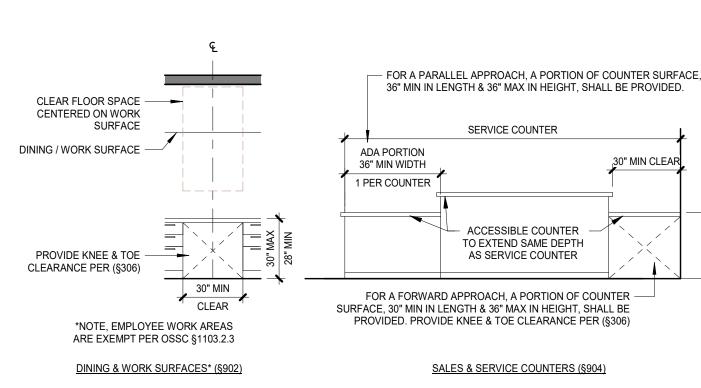
WORK

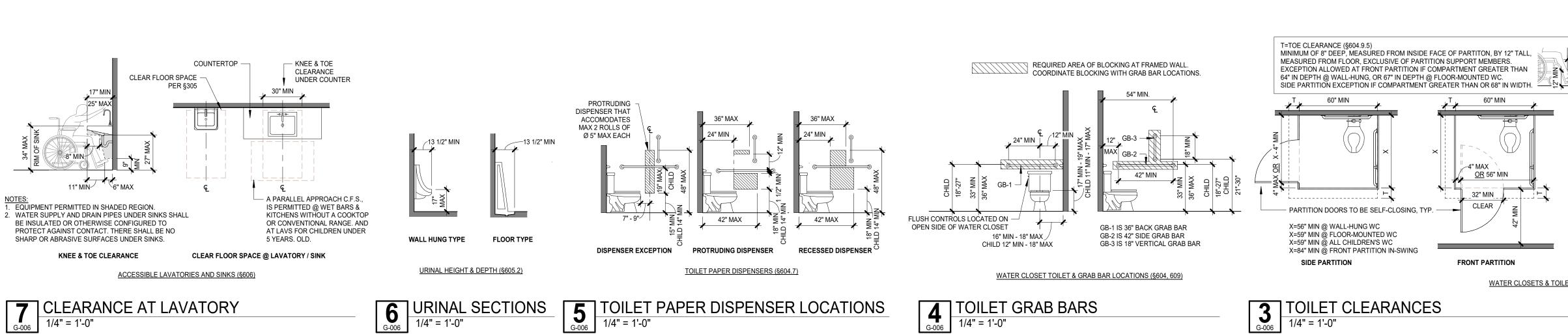
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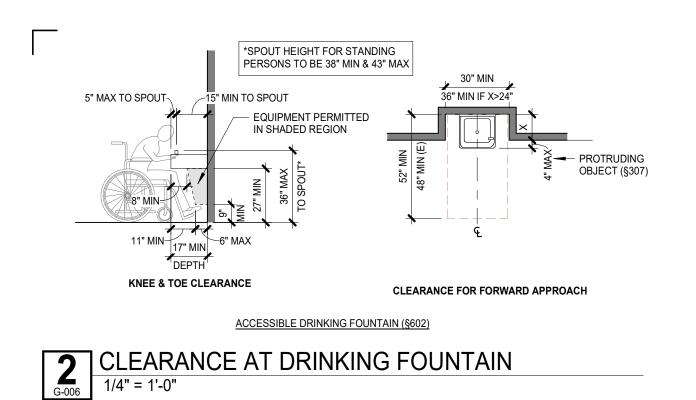
SURFAC

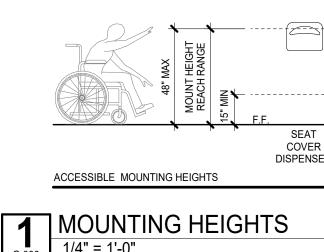


1/4" = 1'-0"









1/4" = 1'-0"

- WORK SURFACE SHALL COMPLY W/ §902

16 KITCHEN APPLIANCES 1/4" = 1'-0"

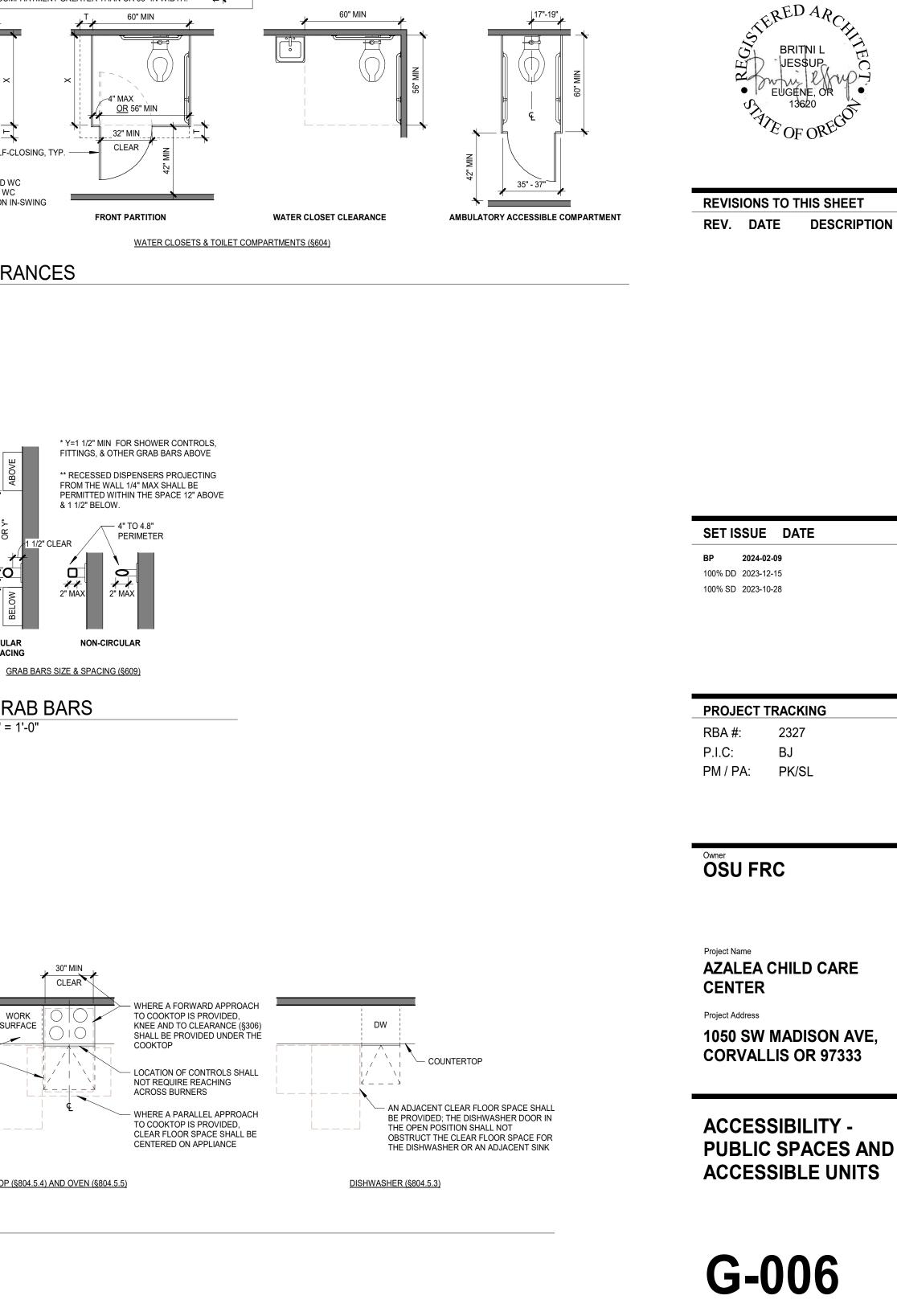
CL, REF

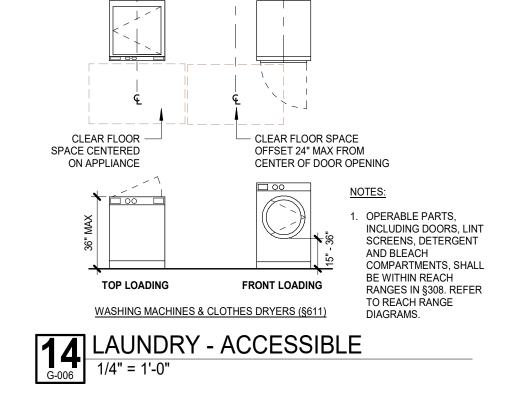
REFRIGERATOR (§804.5.6)

11

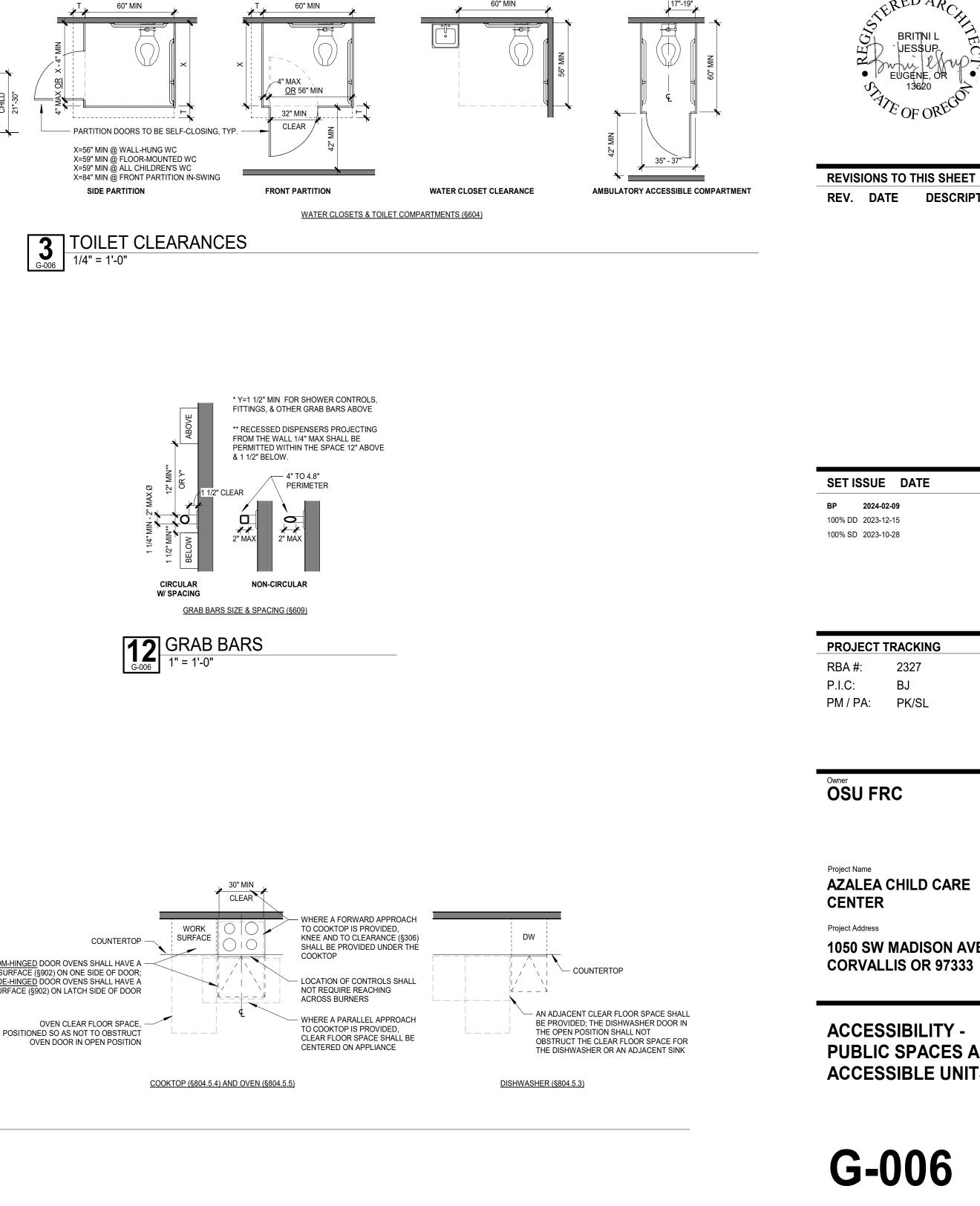
COMBINATION REFRIGERATORS AND FREEZERS SHALL HAVE AT LEAST 50 PERCENT OF THE FREEZER COMPARTMENT SHELVES, INCLUDING THE BOTTOM OF THE FREEZER 54" MAX ABOVE THE FLOOR WHEN THE SHELVES ARE INSTALLED AT THE MAXIMUM HEIGHTS POSSIBLE IN THE COMPARTMENT.

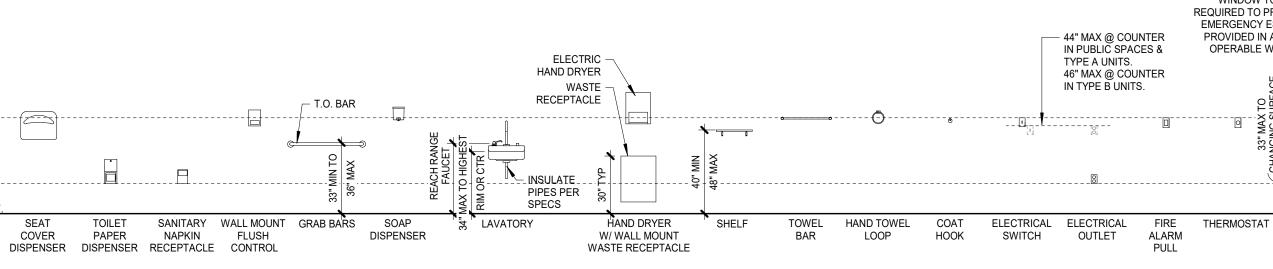






24" MAX





WINDOW TO COMPLY WITH REACH RANGE WHEN -REQUIRED TO PROVIDE NATURAL VENTILATION OR AN EMERGENCY ESCAPE AND RESCUE OPENING. WHEN PROVIDED IN AN ACCESSIBLE ROOM, AT LEAST ONE OPERABLE WINDOW SHALL ALSO COMPLY (§506.1). LOCK OPERATOR OPERABLE MIRROR MIRROR BABY FIRE EXTINGUISHER WINDOW OVER CHANGING NOT OVER (15" MIN TO HANDLE) STATION LAV/COUNTER LAV/COUNTER

╘┋╄╢

CLEARANCE. (§604.3.3)

NOTE: WATER CLOSET CLEARANCE SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET,

ASSOCIATED GRAB BARS, PAPER DISPENSERS, SANITARY NAPKIN RECEPTACLES, COAT HOOKS,

SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AT OTHER FIXTURES AND THE TURNING

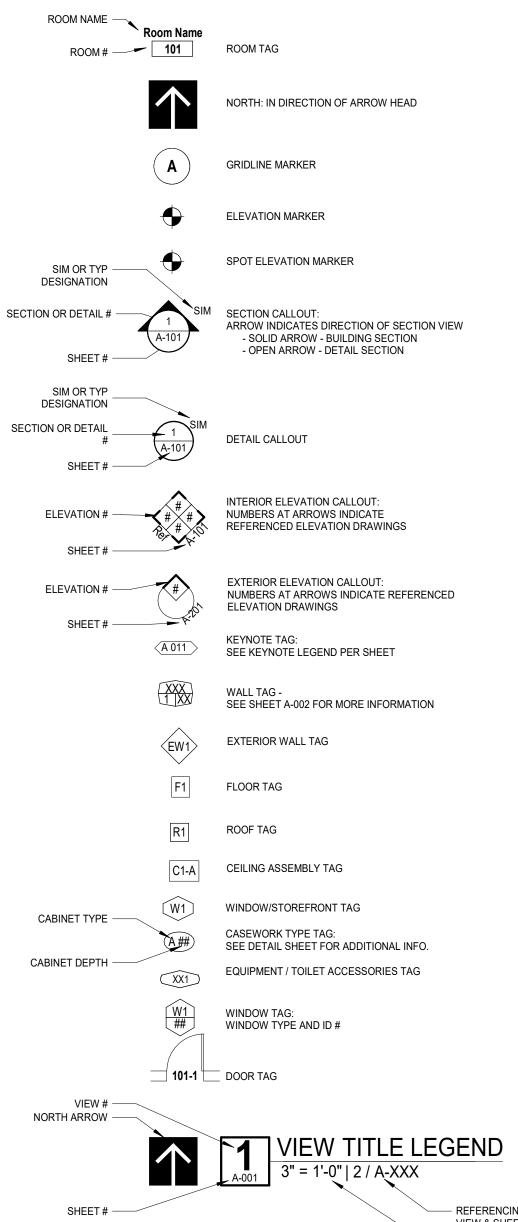
SPACE. OTHER FIXTURES OR OBSTRUCTIONS SHALL BE PERMITTED WITHIN THE WATER CLOSET

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DRAWING SYMBOLS KEY AND ABBREVIATIONS



- DRAWING SCALE

& @	AND AT
ACM ADJ AFF AV	COMPOSITE METAL PANEL ADJACENT ABOVE FINISHED FLOOR AUDIO / VISUAL
BD BLW BO BOC BOS BOT, BOTT BR	BOARD BELOW BOTTOM OF BOTTOM OF CONCRETE BOTTOM OF SLAB BOTTOM BRICK
CJ CL CLG CLR CMU COE COL CONP CONC CONT CORR CW	CONTROL JOINT CENTER LINE CEILING CLEAR CONCRETE MASONRY UNIT CITY OF EUGENE (BUILDING DEPARTMENT) COLUMN COMPENSATING CONCRETE CONTINUOUS CORRIDOR CURTAIN WALL
DBL DEPR DIA DIM DJ DS DTL DW DWG DWR	DOUBLE DEPRESSION DIAMETER DIMENSION DRIFT JOINT DOWN SPOUT DETAIL DISHWASHER DRAWING DRAWER
(E) ELEV ELEV ENC ENT EQ ES	EXISTING ELEVATION ELEVATOR ENCLOSURE ENTRY EQUAL EXTERIOR STOREFRONT
FAC FC FCS FD FDC FE FEC FIN FLR, FL FND FO FOF FR FRMG FRP FS	FACTORY FAN COIL FIBER CEMENT SIDING FLOOR DRAIN FIRE DEPARTMENT CONNECTION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR FOUNDATION FACE OF FACE OF FACE OF FINISH FIRE RATED FRAMING FIBER REINFORCED PLASTIC FIRE SPRINKLER
GF GL	GROUND FLOOR GLAZING CRIDI INF

GL

GWB

HGT

HM

HR HS

GRIDLINE GYPSUM WALL BOARD

HEIGHT HOLLOW METAL HNDRL HANDRAIL HOUR HOLLOW STEEL INSULATION INTERIOR STOREFRONT LOCKER

LOCATION MATERIAL MAXIMUM MECHANICAL MEMBRANE MANUFACTURER MINIMUM MIRRORED

INSUL

IS

LCKR

LOC

MATL

MAX

MECH

MEMB

MFR

MIN

MIR

(N)

N/A

NIC

0/

OC

OFCI

OFOI

OPNG

OPP

PLAM

PTD

RCB

RCP

REF

REINF

REQ

RO

SAM

SFRM

SIM

SPEC

SQ

STFT

STL

STRUC

SUSP

T.O.

TBD

TOC

TOF

TOS

TWF

TYP

UNO

W/

W/I

W/O

WA

WH

WP

WRB

SS

SHWR

SD

SF

NTS

NEW NOT APPLICABLE NOT IN CONTRACT NOT TO SCALE

OVER ON CENTER OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED OPENING OPPOSITE

PLASTIC LAMINATE PAINTED

RUBBER COVE BASE REFLECTED CEILING PLAN REFRIGERATOR REINFORCING REQUIRED ROUGH OPENING SELF-ADHERING MEMBRANE STORM DRAIN

SQUARE FEET SPRAYED FIRE-RESISTIVE MATERIAL SHOWER SIMILAR SPECIFICATIONS SQUARE STAINLESS STEEL STOREFRONT STEEL STRUCTURE SUSPENDED TOP OF TO BE DETERMINED

TOP OF CONCRETE TOP OF FOOTING TOP OF SLAB THROUGH WALL FLASHING TYPICAL

WITH WITHIN WITHOUT WALL ASSEMBLY WATER HEATER WATER PROOFING

WEATHER RESISTANT BARRIER

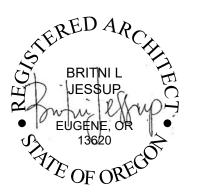
UNLESS NOTED OTHERWISE

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PROJECT TRACKING RBA #: 2327 BJ P.I.C: PM / PA: PK/SL

Owner OSU FRC

Project Name AZALEA CHILD CARE CENTER

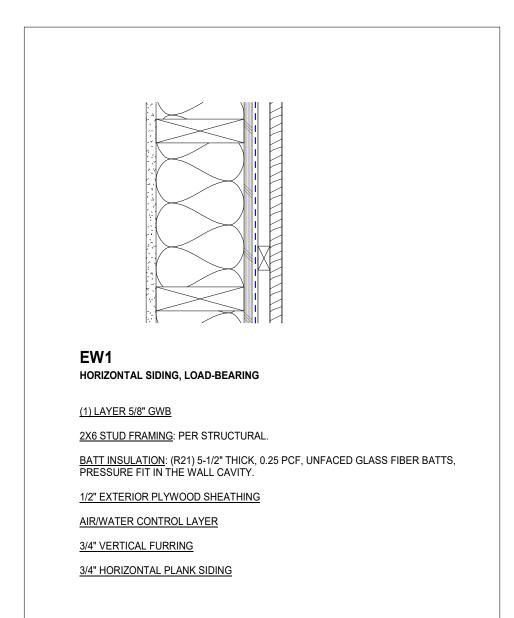
Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

LEGENDS - NOTES -ABBREVIATIONS



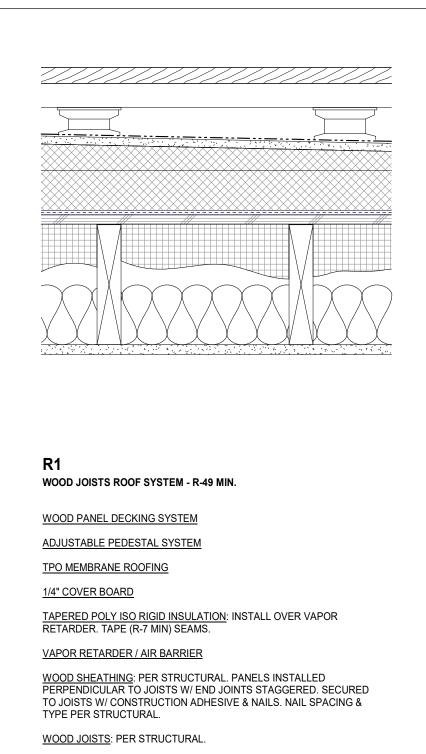
EXTERIOR WALL ASSEMBLIES

INTERIOR WALL ASSEMBLIES - WOOD



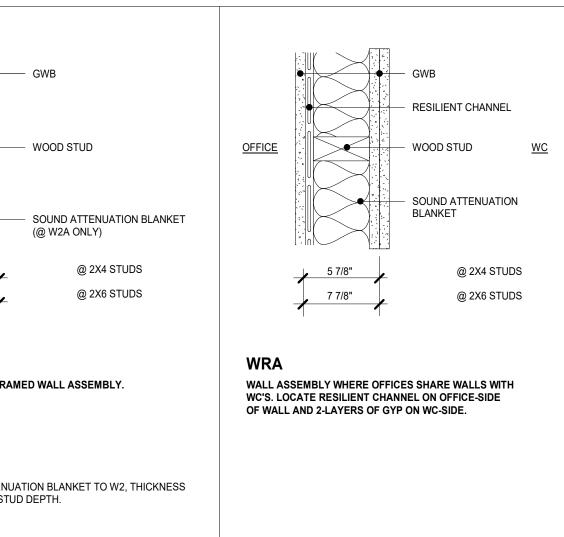
	– WALL TAG IS PLACED IN PLAN ON SIDE OF WALL WITH GWB LAYER	
	- WOOD STUD 24" O.C MAX	
	- GWB	
	- SOUND ATTENUATION BLANKET (@ W1A ONLY)	
4 1/8"	@ 2X4 STUDS	4 3/4"
6 1/8"	@ 2X6 STUDS	6 3/4"
W1 WALL ASSEMBLY A FURRED WALLS.	T LOCATIONS WITH	W2 TYPICAL WOOD-FR/
W1A ADD SOUND ATTEN NOT TO EXCEED ST	UATION BLANKET TO W1, THICKNESS UD DEPTH.	W2A ADD SOUND ATTEN NOT TO EXCEED ST

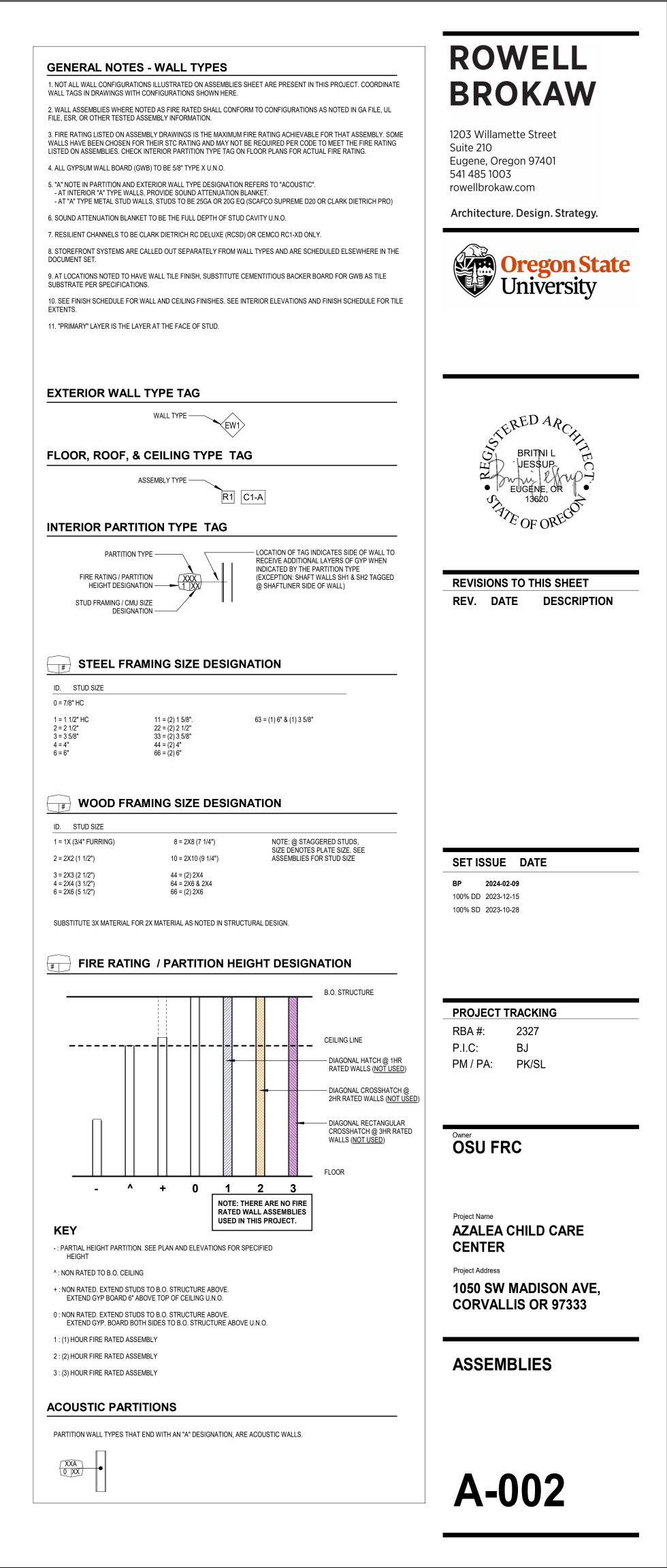
ROOF ASSEMBLIES



SPRAYFOAM & BATT INSULATION: APPLY 3" MINIMUM THICK (R-21) LAYER SPRAYFOAM TO UNDERSIDE OF SHEATHING BETWEEN JOISTS. FILL REMAINING CAVITY W/ (R-21) BATT INSULATION. (1) LAYER 5/8" GWB: APPLIED AT RIGHT ANGLES TO JOISTS, 24" O.C., WITH 1 1/4" TYPE S OR TYPE W DRYWALL SCREWS 24" O.C.

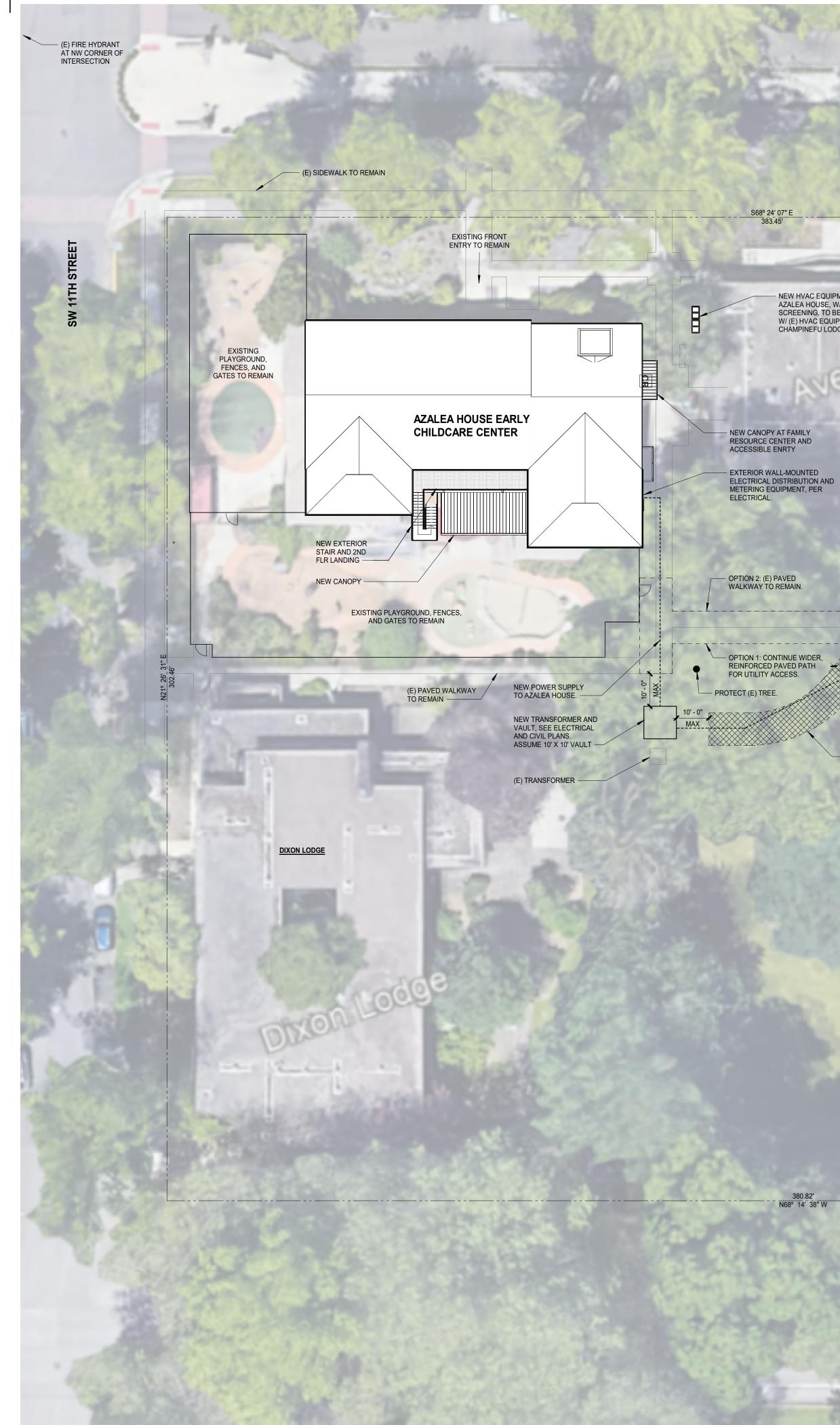
2/15/2024 5:29:52 PM











SW JEFFERSON AVENUE

Researching - dotte Stratevich from

second statistics.

Townson and

a garden a

of the Real Property lies, say of M. Anny

— BORE (N) CONDUIT PER ELEC.

NEW HVAC EQUIPMENT SERVING

AZALEA HOUSE, W/ VEGETATIVE SCREENING, TO BE CO-LOCATED W/ (E) HVAC EQUIPMENT SERVING CHAMPINEFU LODGE. SEE MECH.

CHAMPENIFU LODGE

OPTIONS 1 & 2: NEW UTILITY VEHICLE ACCESS DRIVE, REPLACE (E) PAVED WALKWAY W/ WIDER REINFORCED PAVED PATH. SEE CIVIL.

- OPTION 2: TRANSITION TO (E) PAVED WALKWAY TO REMAIN AND NEW GRAVEL UTILITY ACCESS

PROTECT (E) TREE.

DRIVE

- OPTION 2: COMPACTED GRAVEL UTILITY ACCESS DRIVE.

380.82' N68° 14' 38" W

SW MADISON AVENUE

factorial and a second se

NEW CURB TRANSITION AT ADA PARKING AISLE TO

ACCOMMODATE UTILITY

– (E) ACCESSIBLE PARKING

VEHICLE ACCESS.

NEW SWITCH GEAR, SEE ELECTRICAL AND CIVIL PLANS.
 PRIMARY FEED AND SECTIONAL USED

SECTIONALIZER CABINET PER ELEC.



GENERAL NOTES: ARCHITECTUAL SITE PLAN

LOCATIONS OF EXISTING SITE FEATURES (SIDEWALKS, TREES, FENCES, UTILITIES, ETC.) ARE APPROXIMATE. VERIFY LOCATIONS OF CRITIAL ELEMENTS IN FIELD.
 SEE LANDSCAPE AND CIVIL PLANS FOR ADDITIONAL INFORMATION ON LAND USE REQUIREMENTS, HORIZONTAL CONTROL DIMENSIONS, GRADING. SIDEWALKS, ETC.
 SEE ELECTRICAL PLANS FOR ELECTRICAL SERVICE UPGRADES AND RE-ROUTING.
 SEE MECHANICAL PLANS FOR INFORMATION ON NEW HVAC EQUIPMENT.

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PROJECT	TRACKING
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P.I.C:	BJ
PM / PA:	PK/SL

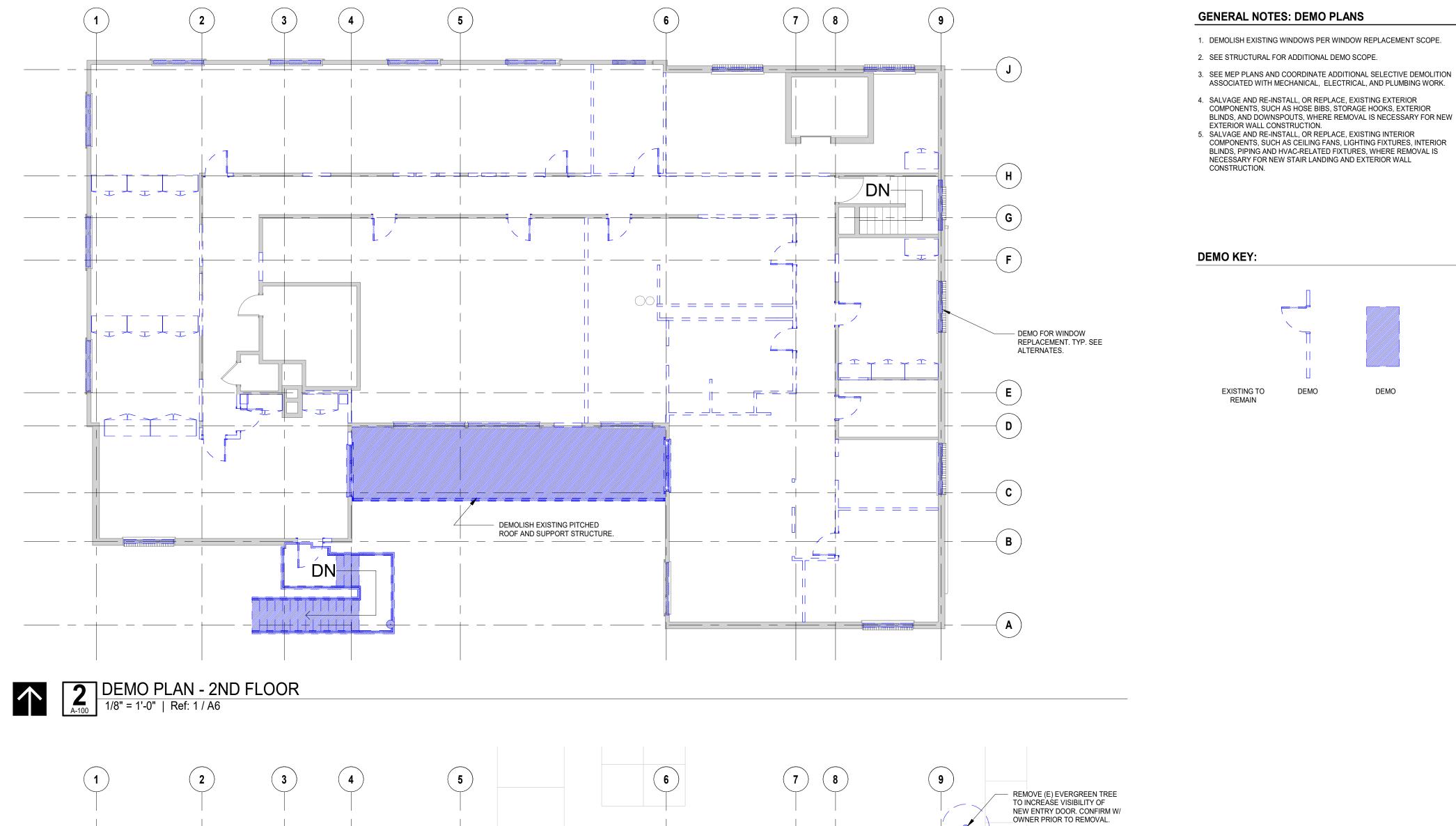
Owner OSU FRC

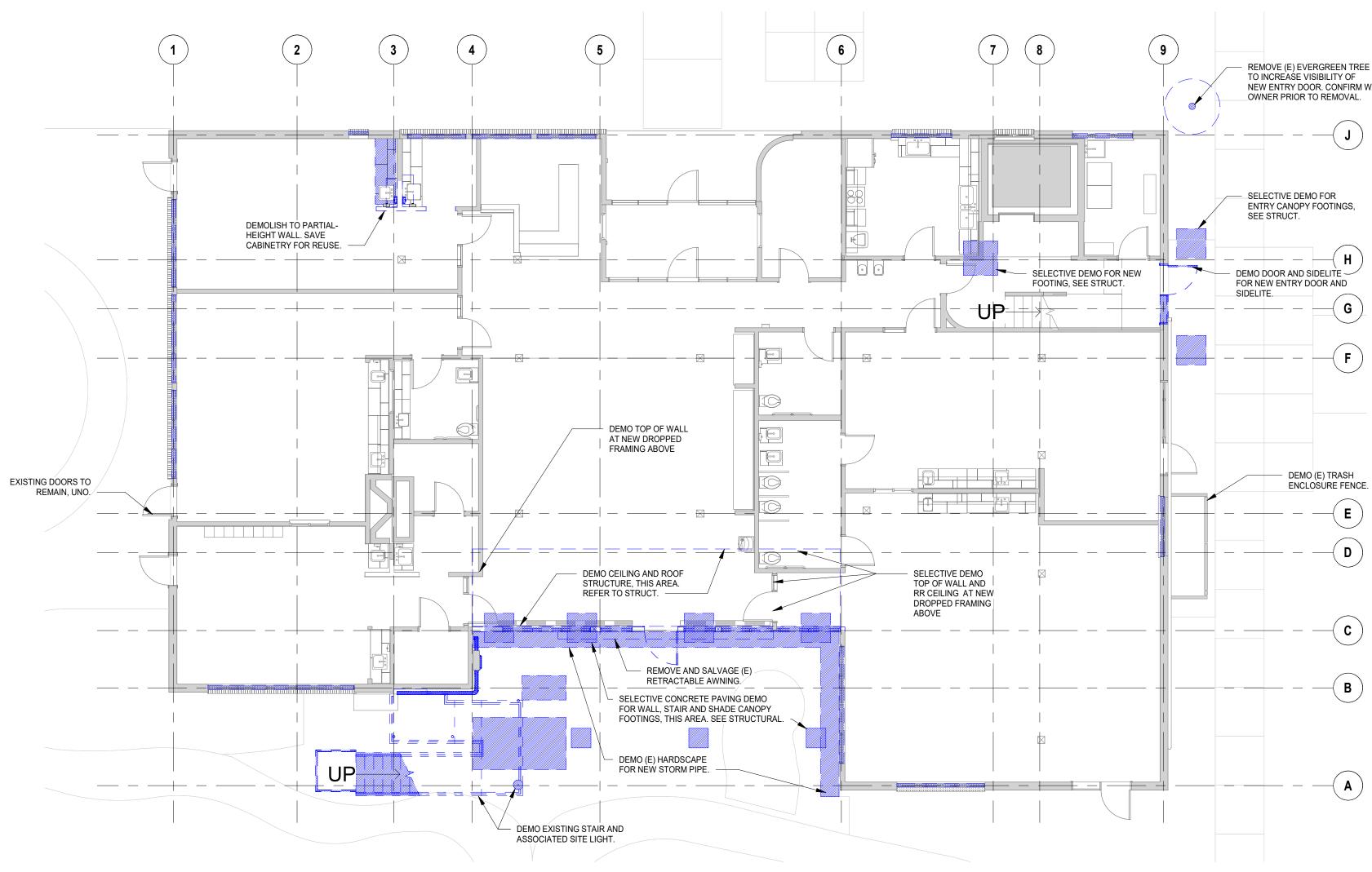
Project Name
AZALEA CHILD CARE CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

SITE PLAN









- 1. DEMOLISH EXISTING WINDOWS PER WINDOW REPLACEMENT SCOPE.
- ASSOCIATED WITH MECHANICAL, ELECTRICAL, AND PLUMBING WORK.
- SALVAGE AND RE-INSTALL, OR REPLACE, EXISTING EXTERIOR COMPONENTS, SUCH AS HOSE BIBS, STORAGE HOOKS, EXTERIOR
- SALVAGE AND RE-INSTALL, OR REPLACE, EXISTING INTERIOR COMPONENTS, SUCH AS CEILING FANS, LIGHTING FIXTURES, INTERIOR BLINDS, PIPING AND HVAC-RELATED FIXTURES, WHERE REMOVAL IS NECESSARY FOR NEW STAIR LANDING AND EXTERIOR WALL

—(J)

G

-(E

(**D**)

-(C)

-(B)

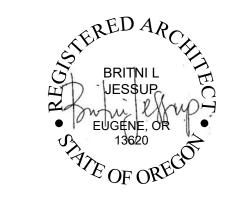
—(A)



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PROJECT	TRACKING
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P.I.C:	BJ
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Owner OSU FRC

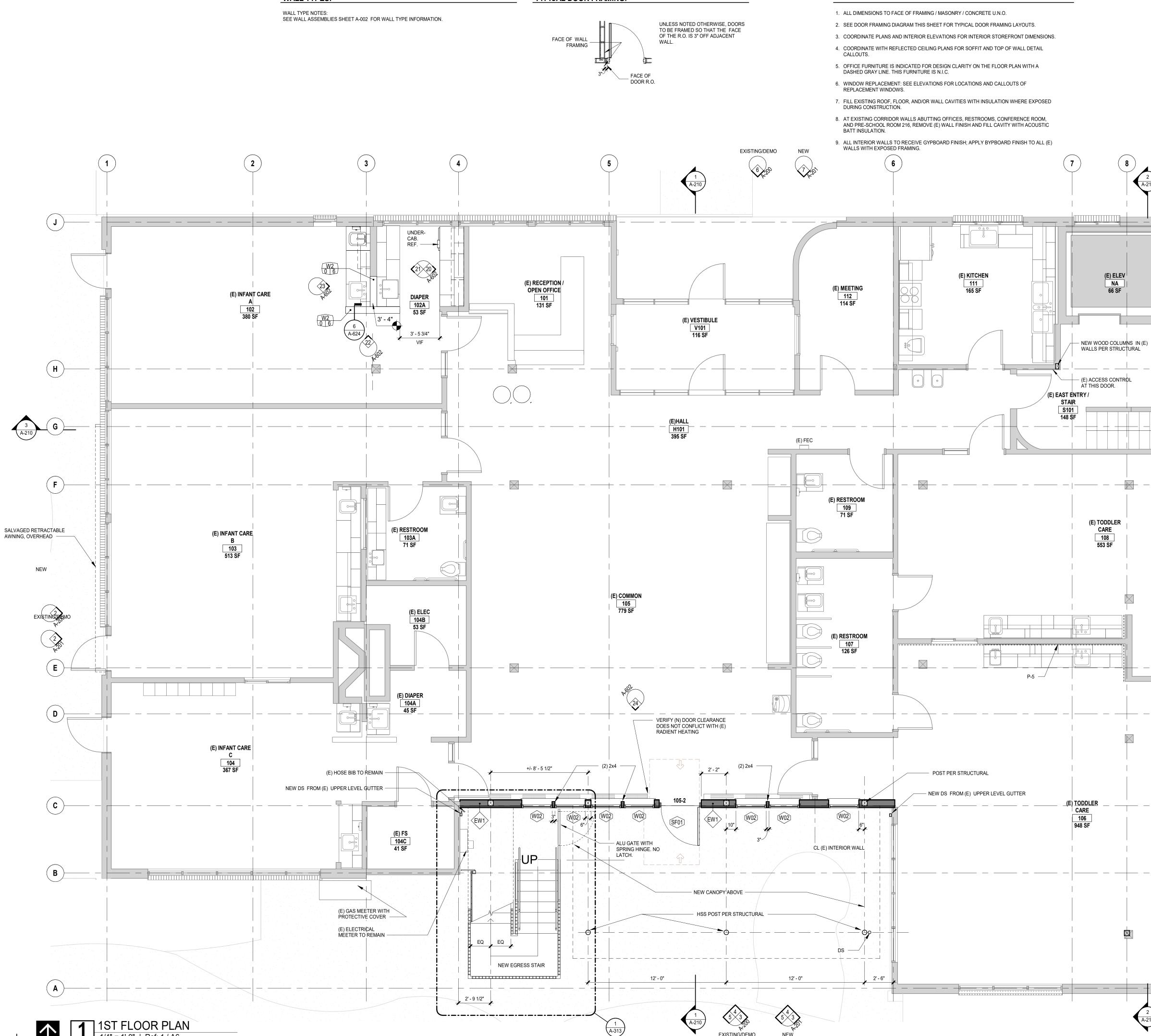
Project Name AZALEA CHILD CARE CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

EXISTING / DEMO PLANS

A-100





EXISTING/DEMO

WALL TYPES:



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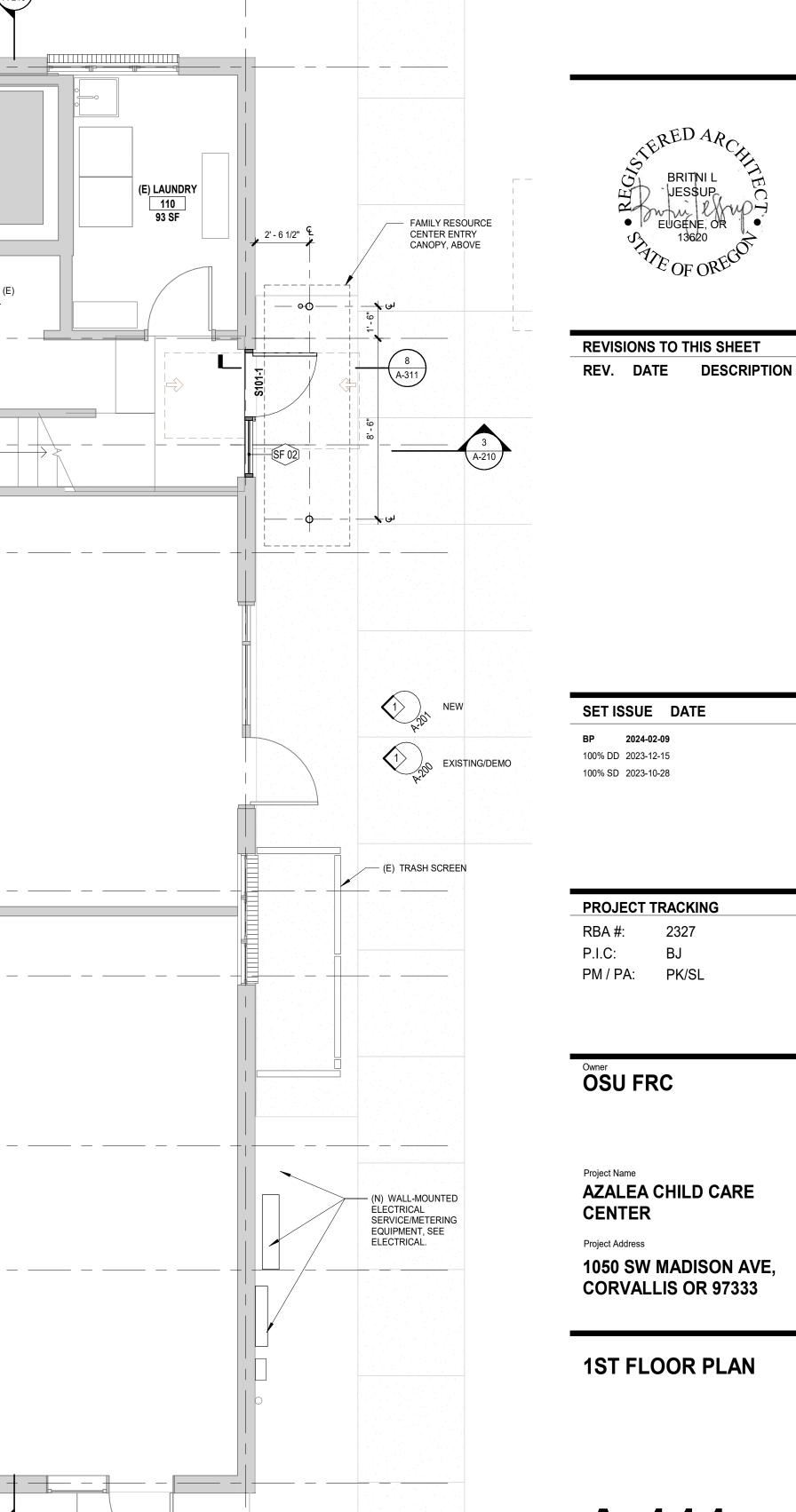
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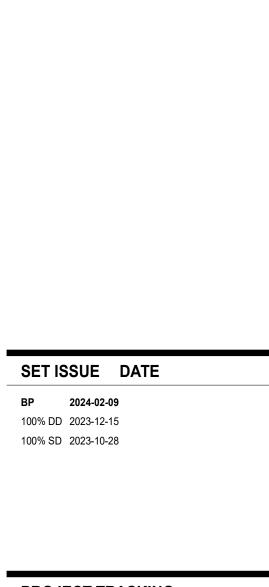


(9)

(E) ELEV

NA 66 SF

2 A-210



RBA #:	2327
P.I.C:	BJ
PM / PA:	PK/SL

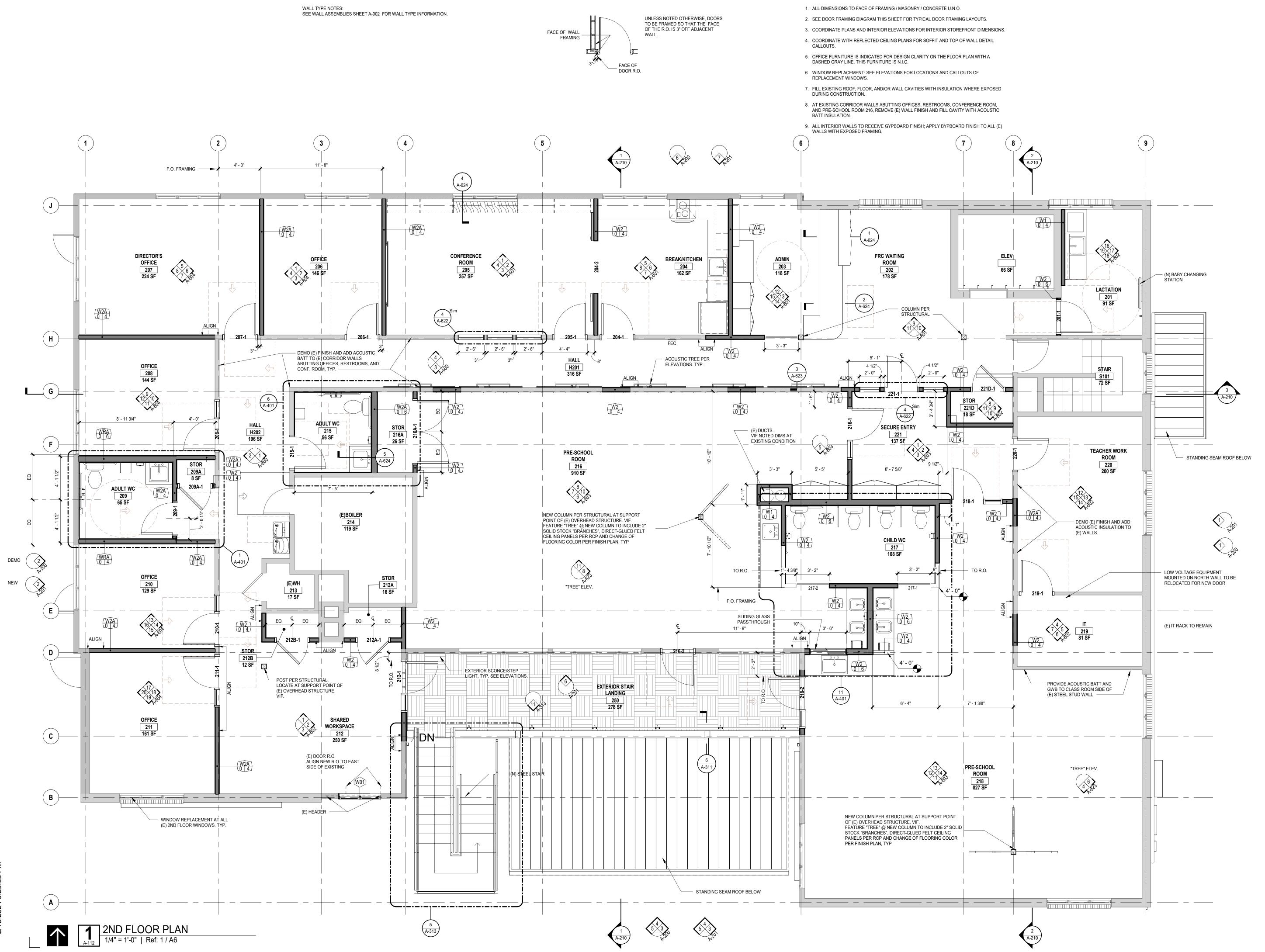
Owner OSU FRC

Project Name **AZALEA CHILD CARE** CENTER

1050 SW MADISON AVE, CORVALLIS OR 97333

1ST FLOOR PLAN

A-111



TYPICAL DOOR FRAMING:

GENERAL NOTES: FLOOR PLANS

A-112

2ND FLOOR PLAN

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

Project Name **AZALEA CHILD CARE** CENTER

OWNER OSU FRC

PROJECT	TRACKING
RBA #:	2327
P.I.C:	BJ
PM / PA:	PK/SL

SET ISSUE DATE BP 2024-02-09 100% DD 2023-12-15 100% SD 2023-10-28

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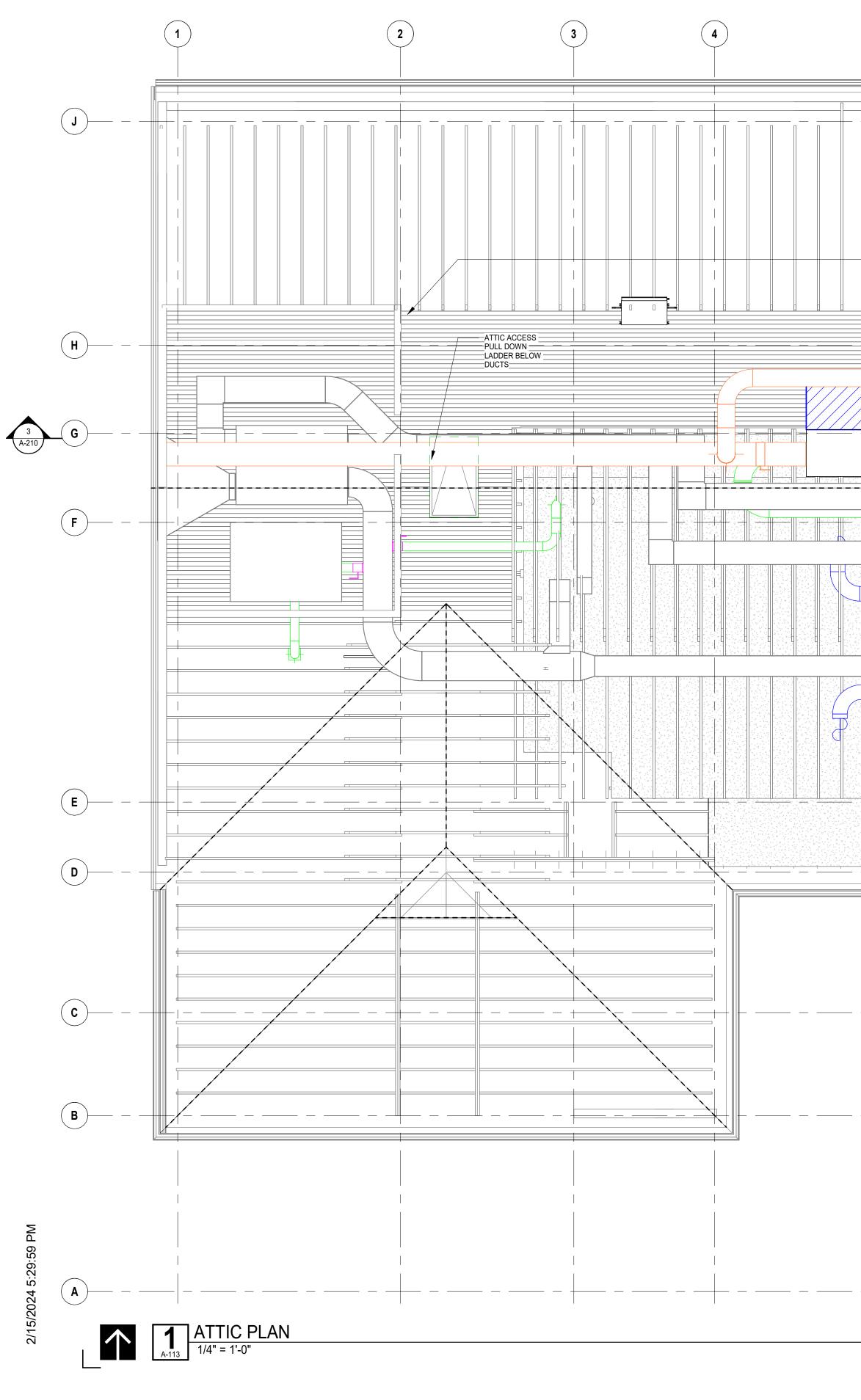






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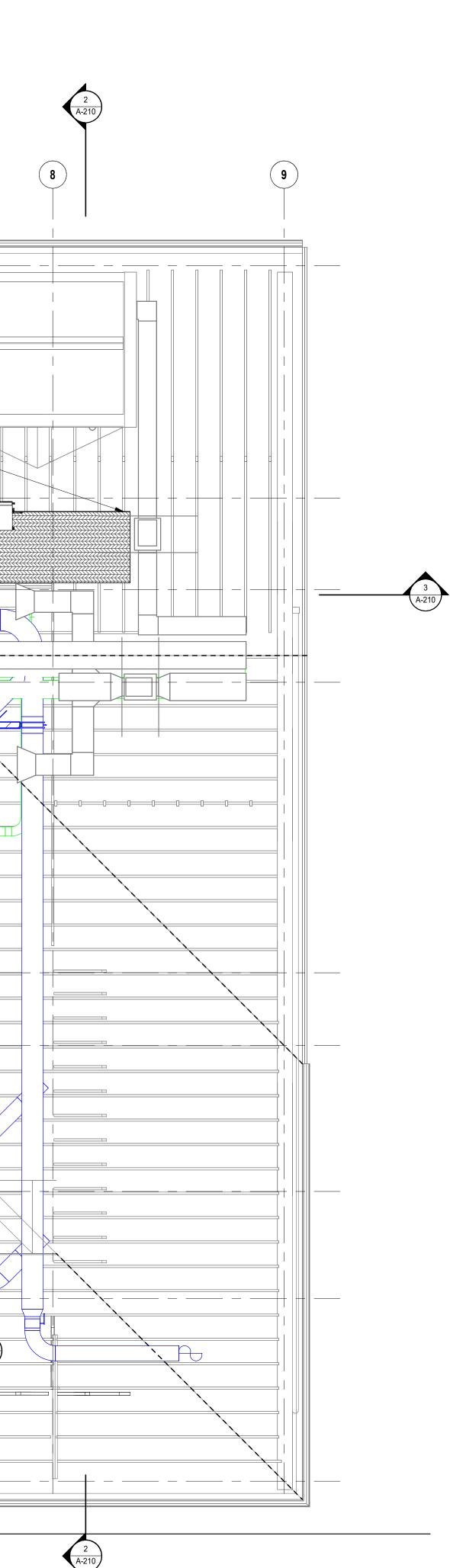


A-210 6 5 7 (8) (E) ACCESS WALK WAY - (N) 4'-0" WIDE 3/4" PLYWOOD ACCESS WALK WAY _____ ×, ⇒_⊼ A-623

GENERAL NOTES: ATTIC PLAN

3. MAINTAIN EXISTING ATTIC INSULATION.

1. MECHANICAL PLANS SHOW HERE FOR REFERANCE. SEE MECHANICAL DOCUMENTS FOR MECHANICAL DESIGN. 2. EXISTING ATTIC AND ROOF STRUCTURE IS DIAGRAMATIC BASED ON ORIGINAL 1950'S CONSTRUCTION DOCUMENTS. VERIFY EXISTING CONDITIONS.



A-113

ATTIC PLAN

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

CENTER

Project Name
AZALEA CHILD CARE

Owner OSU FRC

PROJECT TRACKING RBA #: 2327 P.I.C: BJ PM / PA: PK/SL

BP 2024-02-09 100% DD 2023-12-15 100% SD 2023-10-28

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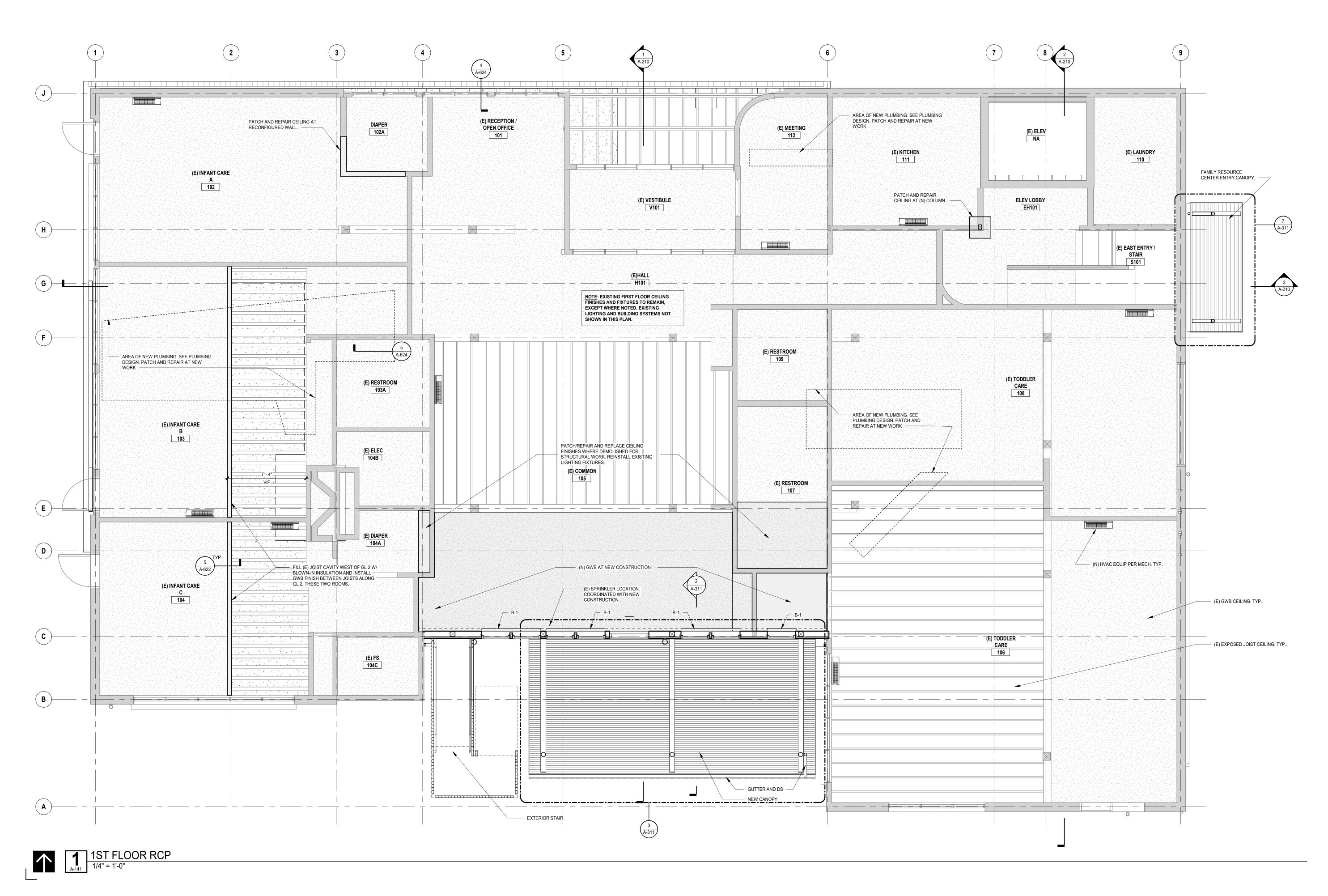
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GENERAL NOTES: REFLECTED CEILING PLANS

- 1. COORDINATE RCP WITH SCHEDULED CEILING TYPES AND CEILING FINISHES AS NOTED IN FINISH SCHEDULE.
- 2. SEE FLOOR PLAN FOR WALL TYPE CALL OUTS
- 3. COORDINATE ARCHITECTURAL RCP WITH MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- 4. SEE ELECTRICAL SHEETS FOR LIGHTING SCHEDULES AND ADDITIONAL FIXTURE LOCATIONS.
- 5. SEE MECHANICAL SHEETS FOR AIR SUPPLY, RETURN, AND EXHAUST DUCT ROUTING.
- 6. SEE FIRE PROTECTION (FIRE SPRINKLER) SHEETS FOR SPRINKLER PIPE ROUTING. COORDINATE LAYOUT TO AVOID MECHANICAL, PLUMBING, ELECTRICAL AND LIGHTING EQUIPMENT.
- 7. WHERE NOTED, "OPEN TO STRUCTURE" ROOM AREA HAS NO CEILING MATERIAL.
- 8. LIGHTING FOR ROOMS WITH A SINGLE LIGHT FIXTURE, CENTER FIXTURE WITHIN ROOM U.N.O.



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PM / PA:	PK/SL

OSU FRC

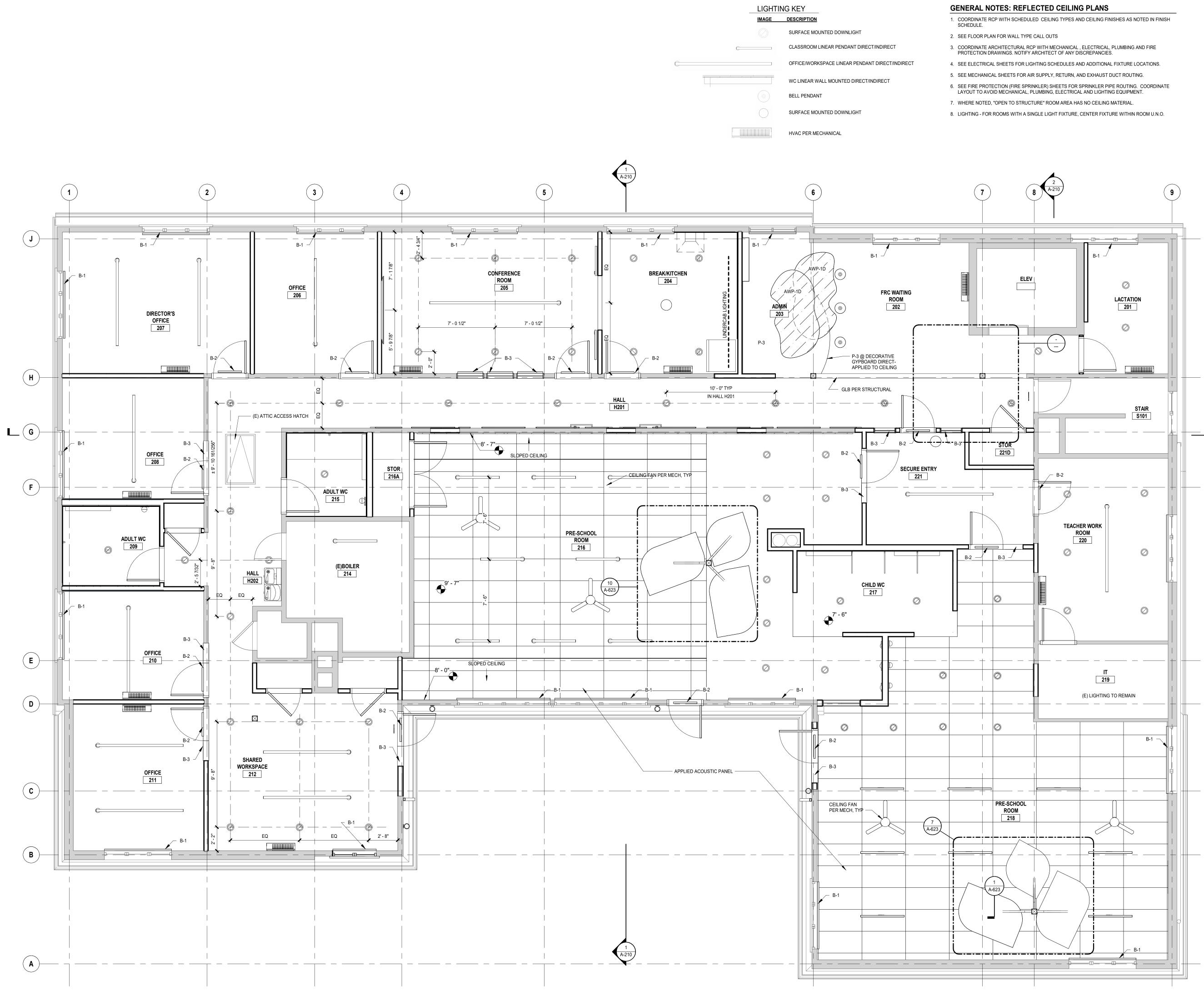
Project Name AZALEA CHILD CARE CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

REFLECTED CEILING PLAN - 1ST FLOOR



1 A-142 **2ND FLOOR RCP** 1/4" = 1'-0"





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A-210

PROJECT TRACKING		
2327		
BJ		
PK/SL		

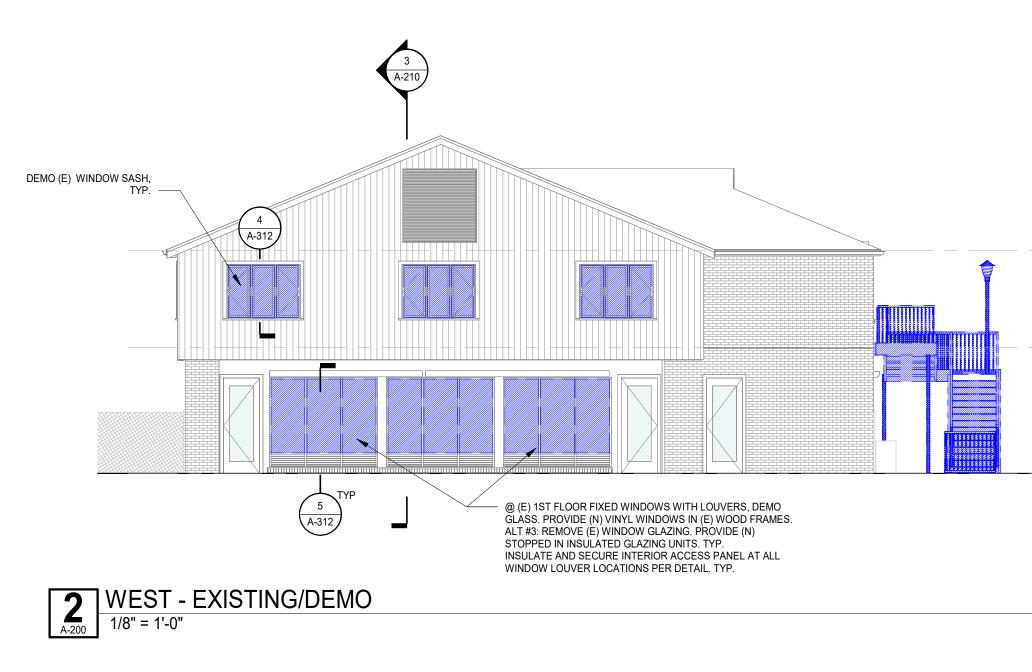
Owner OSU FRC

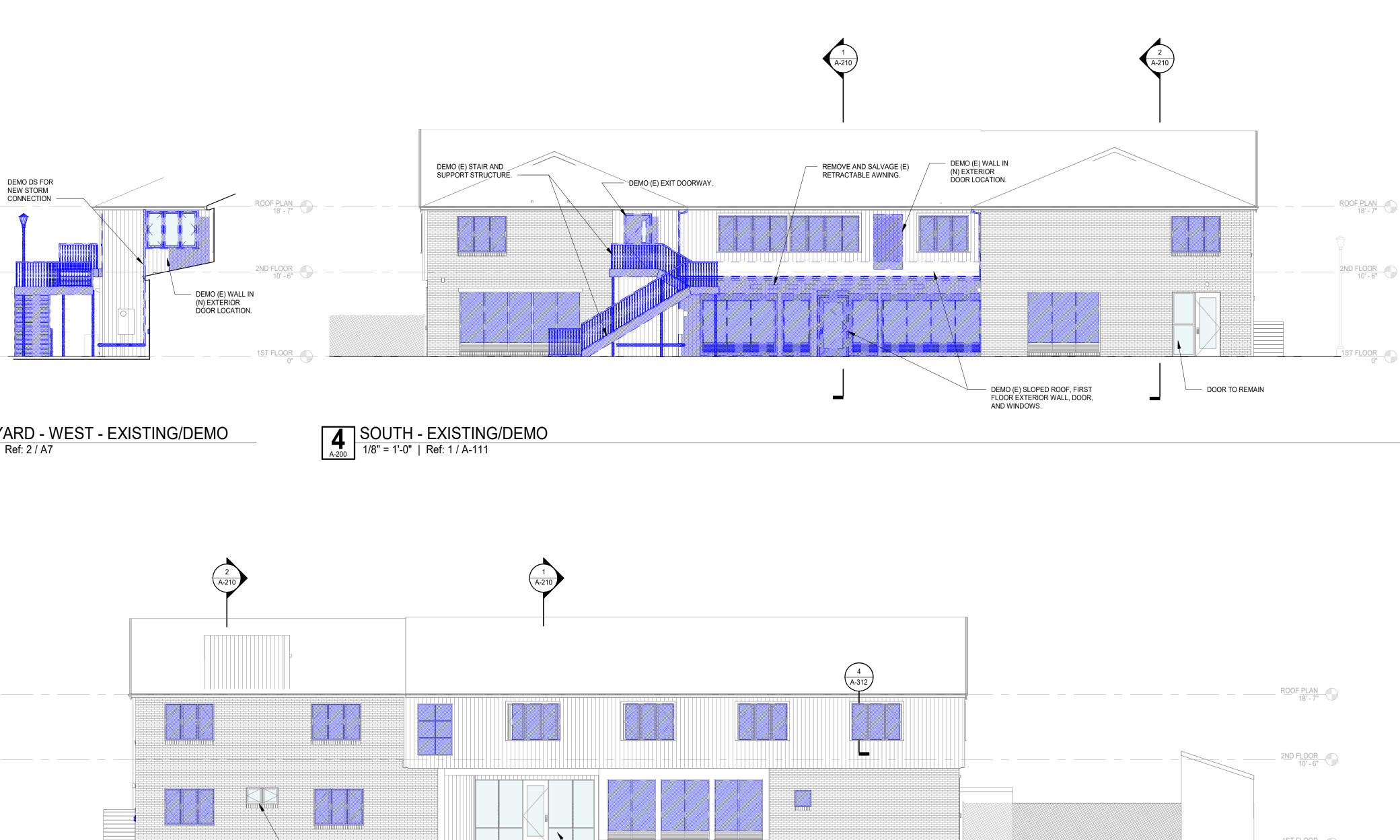
Project Name AZALEA CHILD CARE CENTER

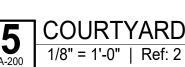
Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

REFLECTED CEILING PLAN - 2ND FLOOR









5 A-200 COURTYARD - WEST - EXISTING/DEMO 1/8" = 1'-0" | Ref: 2 / A7





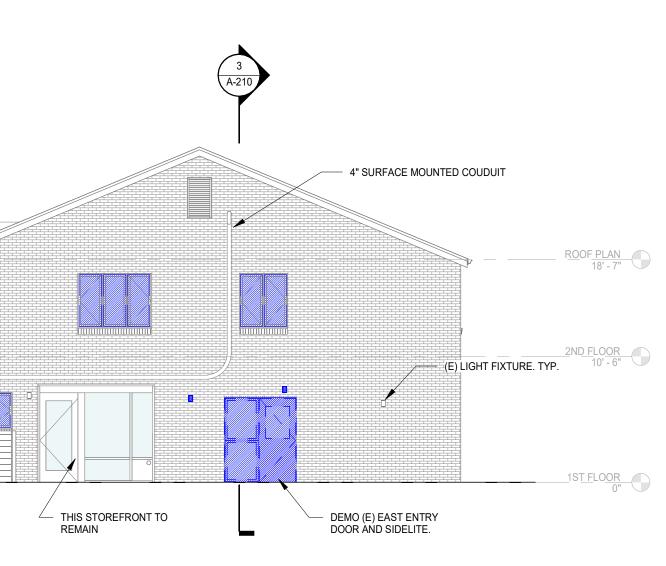


1ST FLOOR 0"

2ND FLOOR 10' - 6"

ROOF PLAN 18' - 7"

EAST - EXISTING/DEMO 1/8" = 1'-0" | Ref: 1 / A-111



ROWELL BROKAW

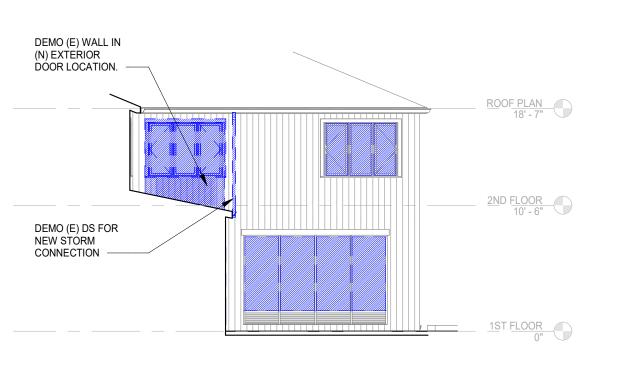
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3 A-200 **COURTYARD - EAST - EXISTING/DEMO** 1/8" = 1'-0" | Ref: 2 / A7

GENERAL NOTES: EXISTING / DEMO ELEVATIONS

1. INCIDENTAL DEMOLITION REQUIRED FOR BUILDING SERVICES AND MEPF WORK IS NOT SHOW IN THESE DIAGRAMS. COORDINATE WITH MEPF DOCUMENTS. 2. COORDINATE DEMO WITH BID ALTERNATES. SELECTED ALTERNATES MAY CHANGE DEMO SCOPE FROM BAS INDICATED IN THESE ELEVATIONS.



SET ISSUE DATE BP 2024-02-09

100% DD 2023-12-15 100% SD 2023-10-28

PROJECT TRACKING		
RBA #:	2327	
P.I.C:	BJ	
PM / PA:	PK/SL	

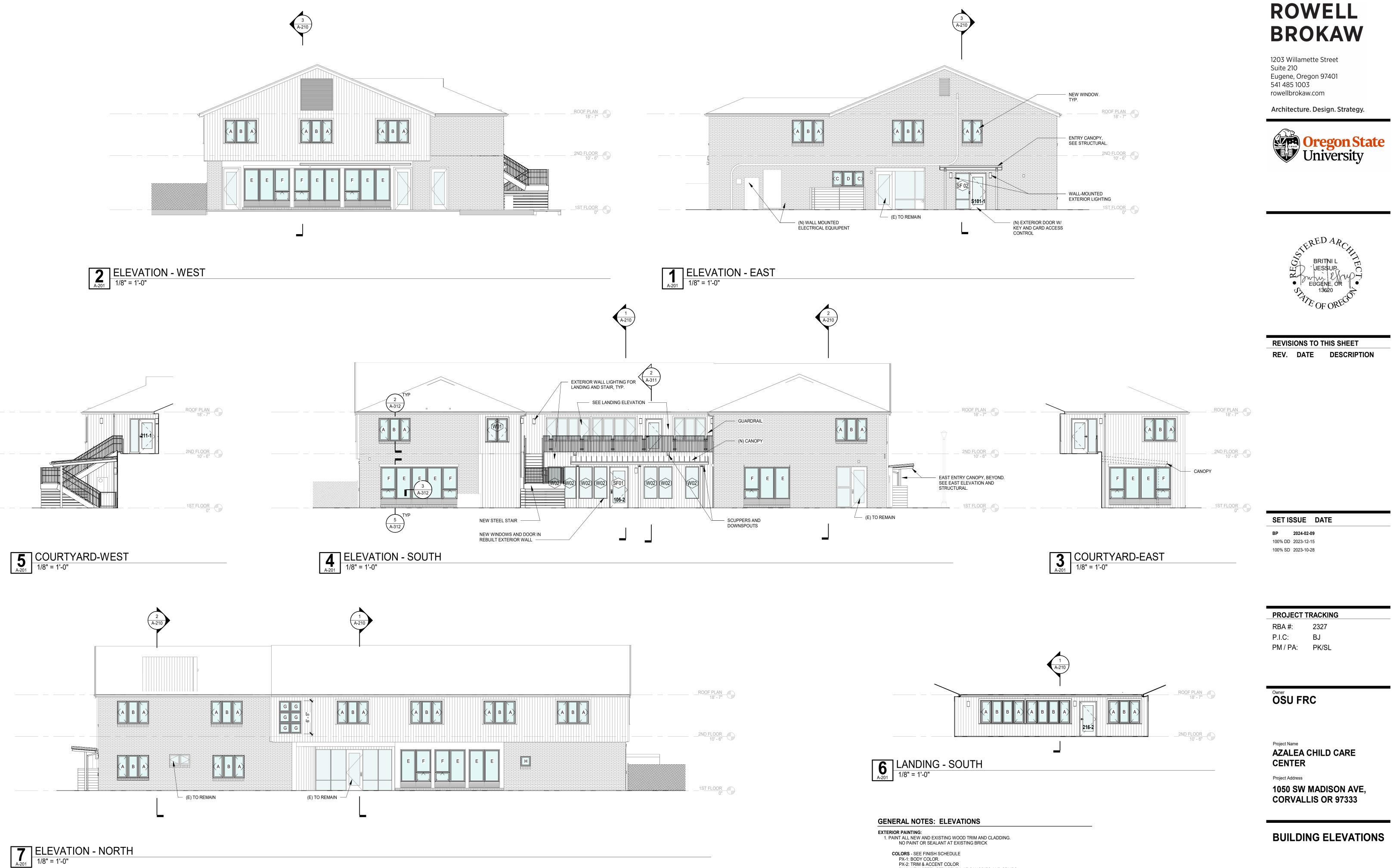
OWNER OSU FRC

Project Name AZALEA CHILD CARE CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

EXISTING / DEMO BUILDING ELEVATIONS





PX-3: NEW STEEL STRUCTURA AT CANOPIES AND STAIRS

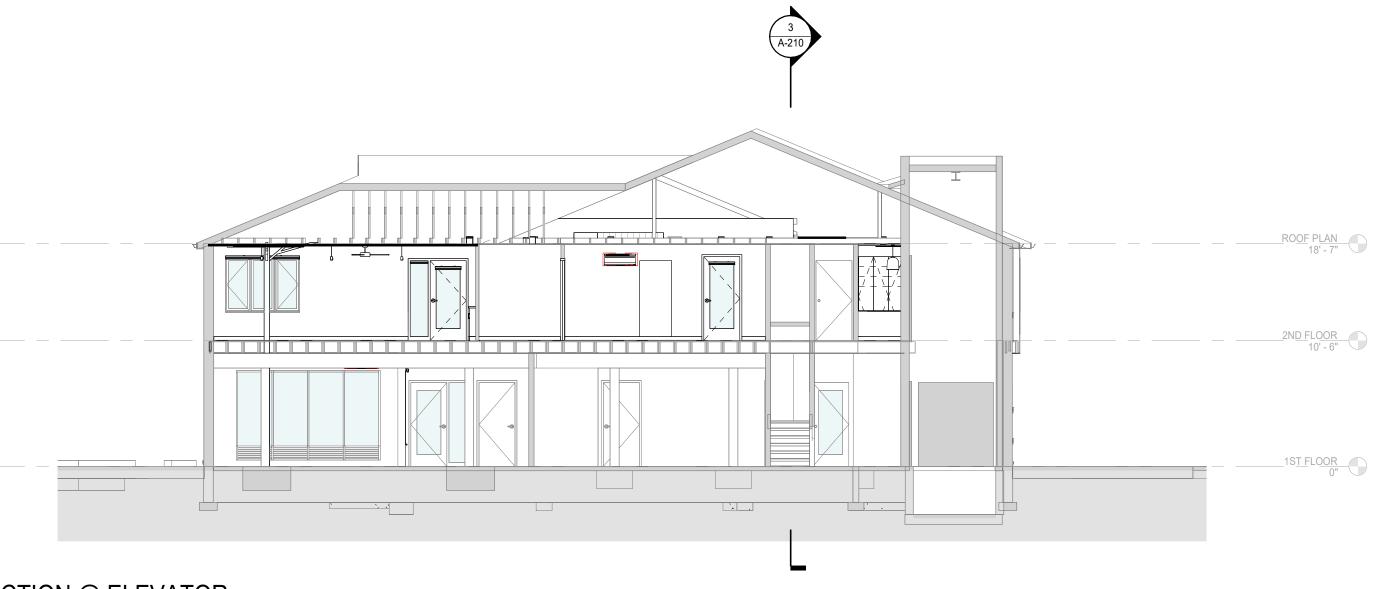
A-201

<u>
 1ST FLOOR</u>
 0"
 <u>
 CRAWL</u>
 -3' - 0"

<u>2ND FLOOR</u> 10' - 6"

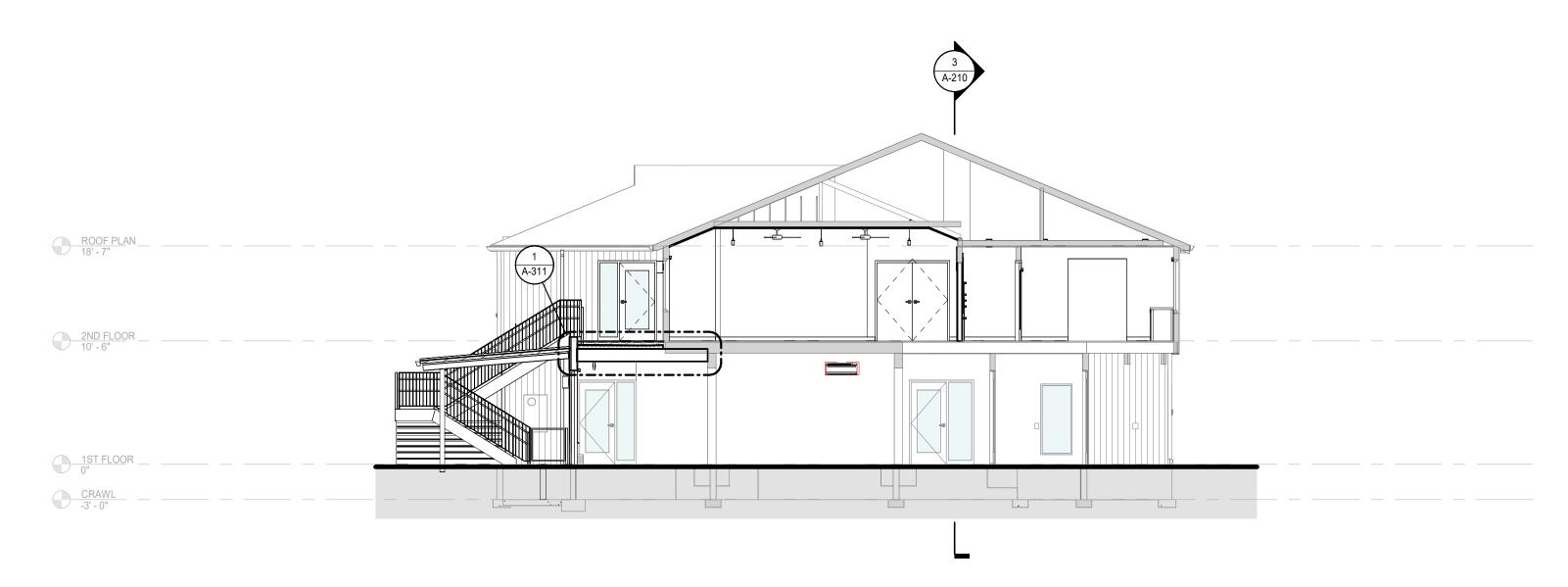
<u>ROOF PLAN</u> 18' - 7"

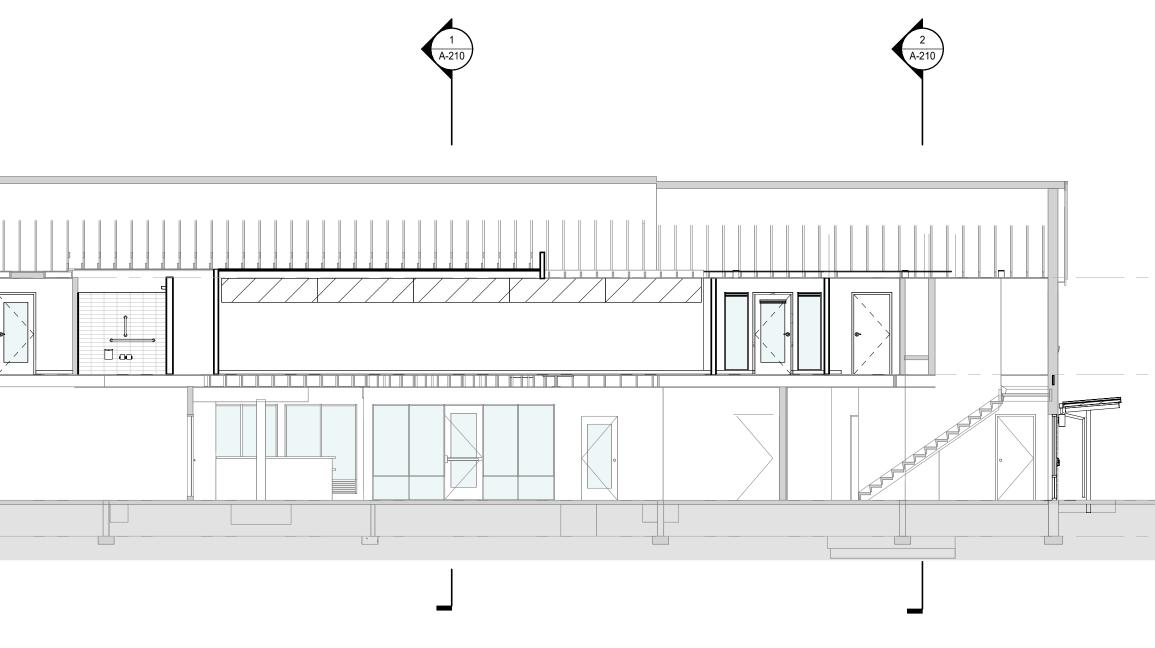
2 A-210 N-S SECTION @ ELEVATOR 1/8" = 1'-0" | Ref: 1 / A-111



 N-S SECTION @ MAIN ENTRY

 1/8" = 1'-0" | Ref: 1 / A-111





GENERAL NOTES: BUILDING SECTIONS

 LEVEL ELEVTIONS AND BUILDING DIMENSIONS ARE BASE ON ORIGINAL 1950'S CONSTRUCTION DOCUMENTS AND SITE MEASUREMENTS. VERIFY CRITICAL LOCATIONS AND DIMENSIONS IN FIELD.
 MEP DESIGN IS NOT SHOW IN THE ARCHITECTURAL SECTIONS. SEE MEPF DOCUMENTS FOR COORDINATION.



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PROJECT	TRACKING
RBA #:	2327
P.I.C:	BJ
PM / PA:	PK/SL

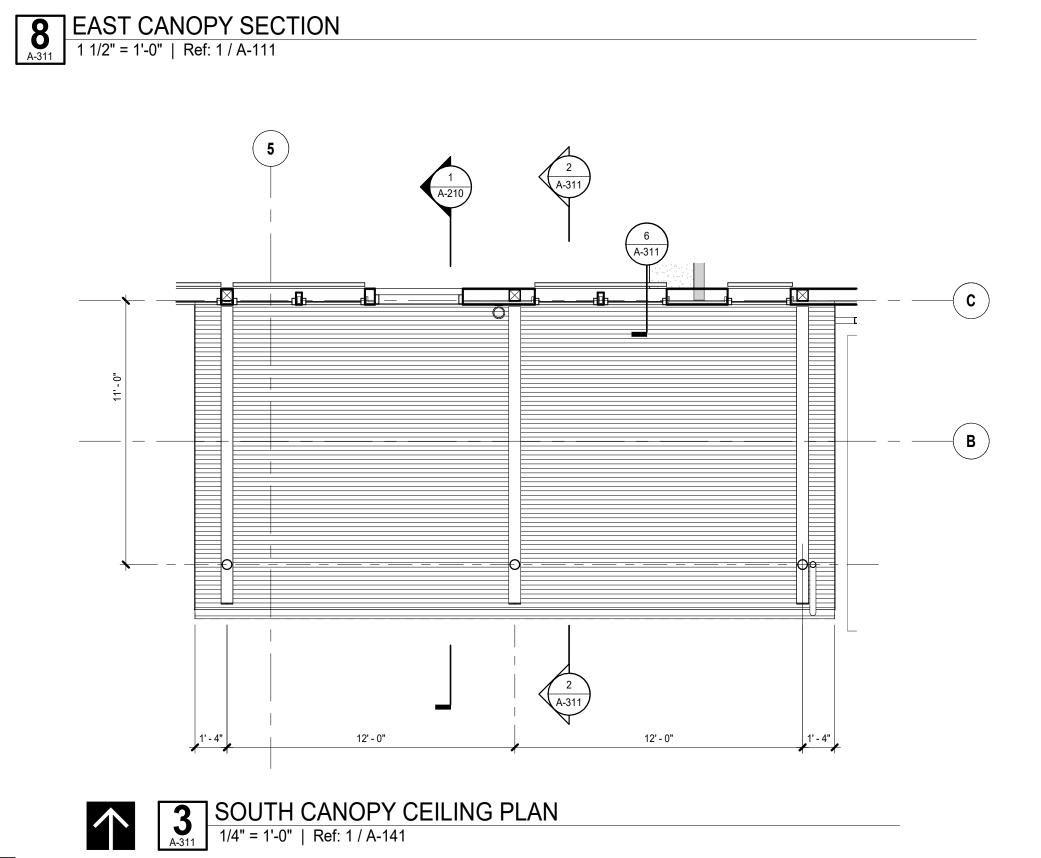
Owner OSU FRC

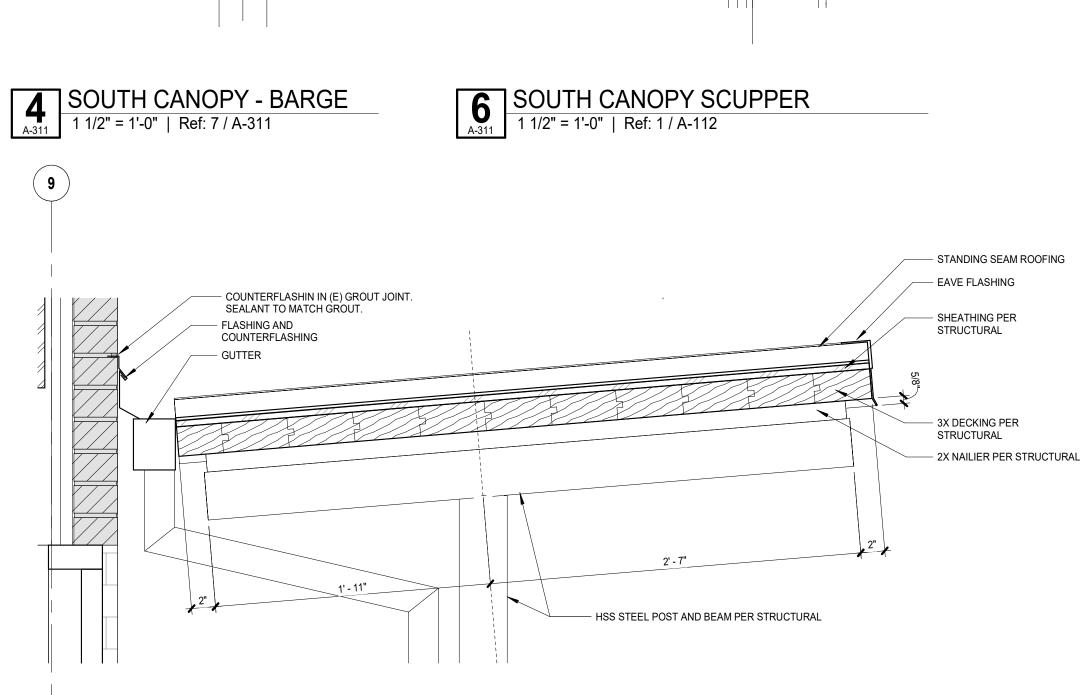
Project Name AZALEA CHILD CARE CENTER

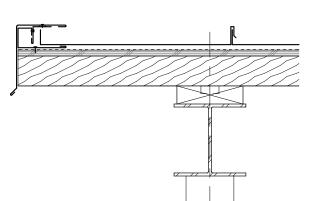
Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

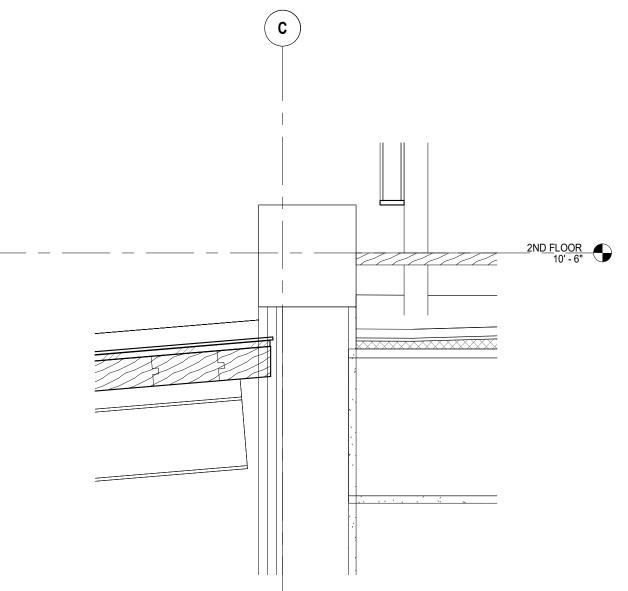
BUILDING SECTIONS

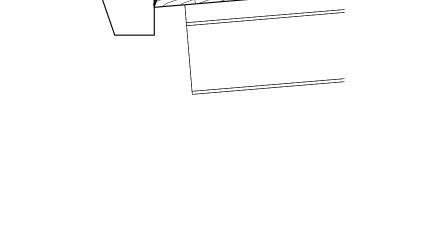




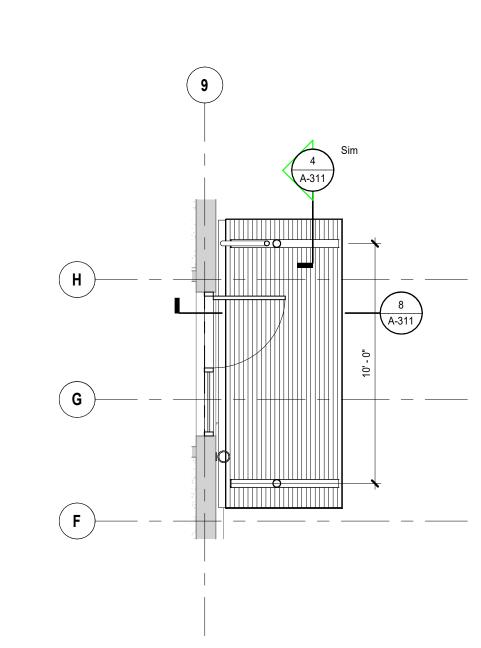


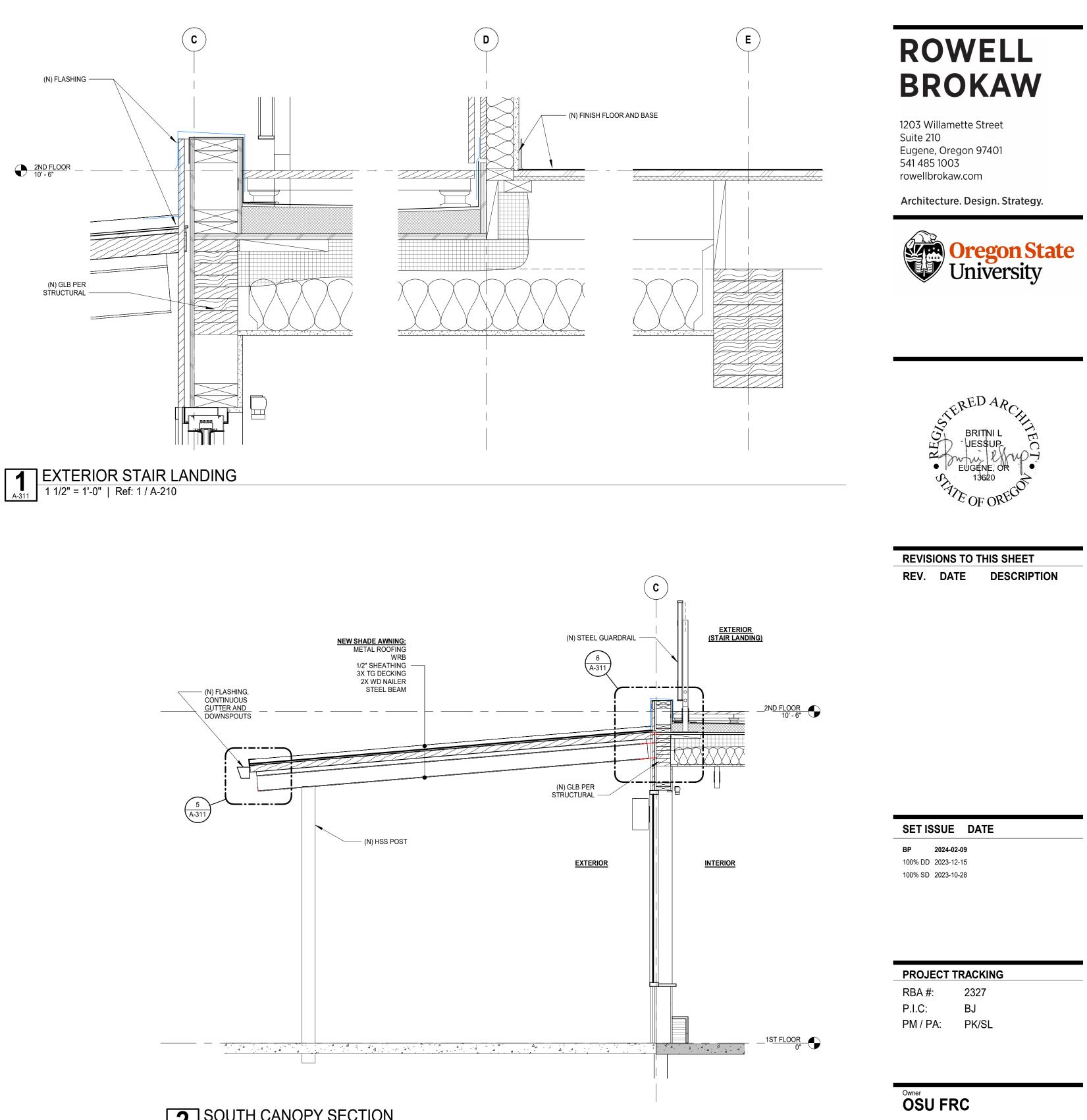


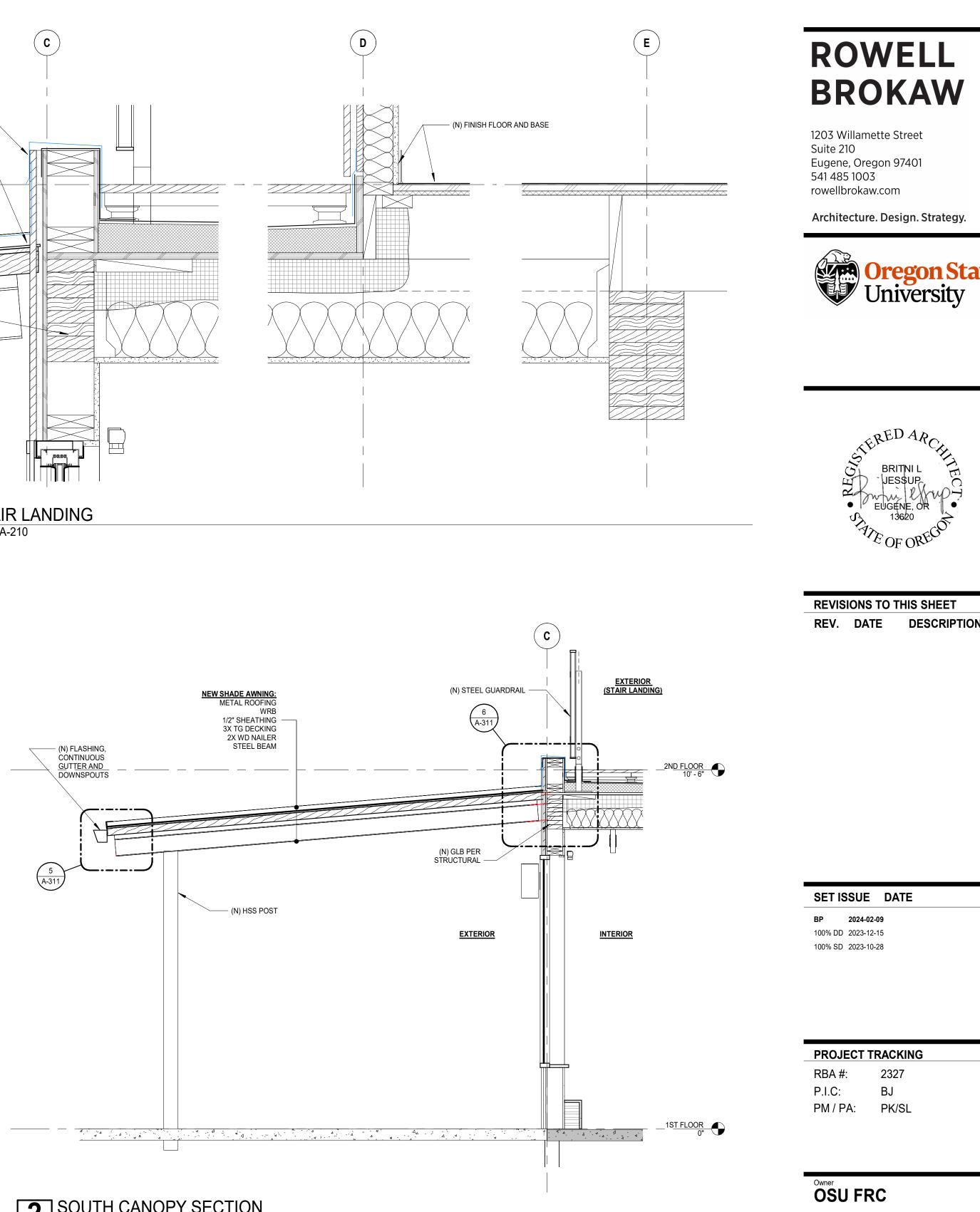












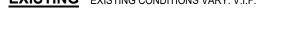


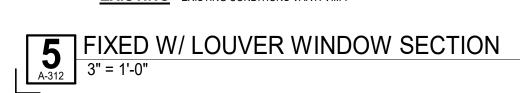
Project Name
AZALEA CHILD CARE CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

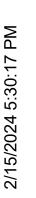
EXTERIOR DETAILS

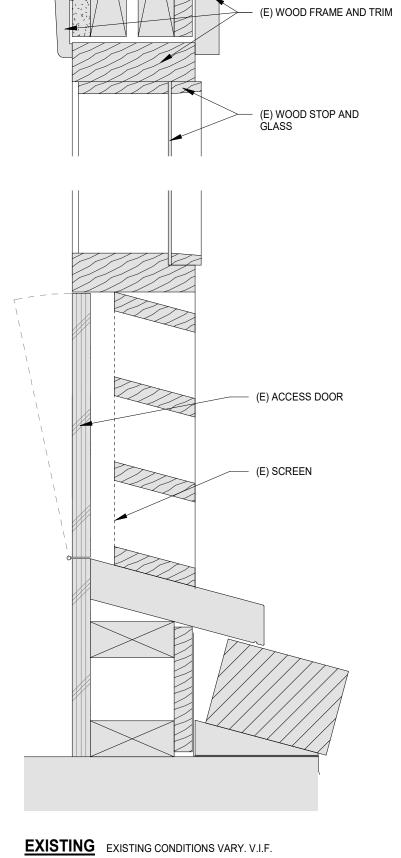








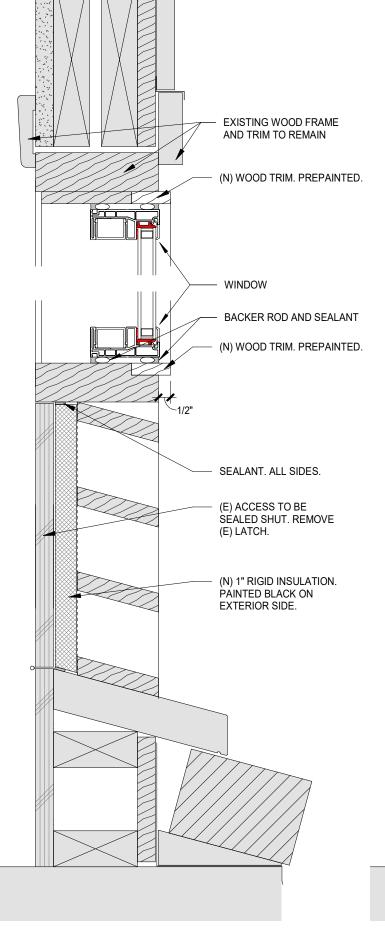




EXISTING

EXISTING CONDITIONS VARY. V.I.F.

4 A-312 CASMT WINDOW SECTION - WOOD CLADDING 3" = 1'-0"



(E) TRIM AND WINDOW FRAME TO REMAIN

BACKER ROD AND SEALANT

BACKER ROD AND SEALANT

(N) WOOD TRIM

WINDOW

WINDOW

SHIM

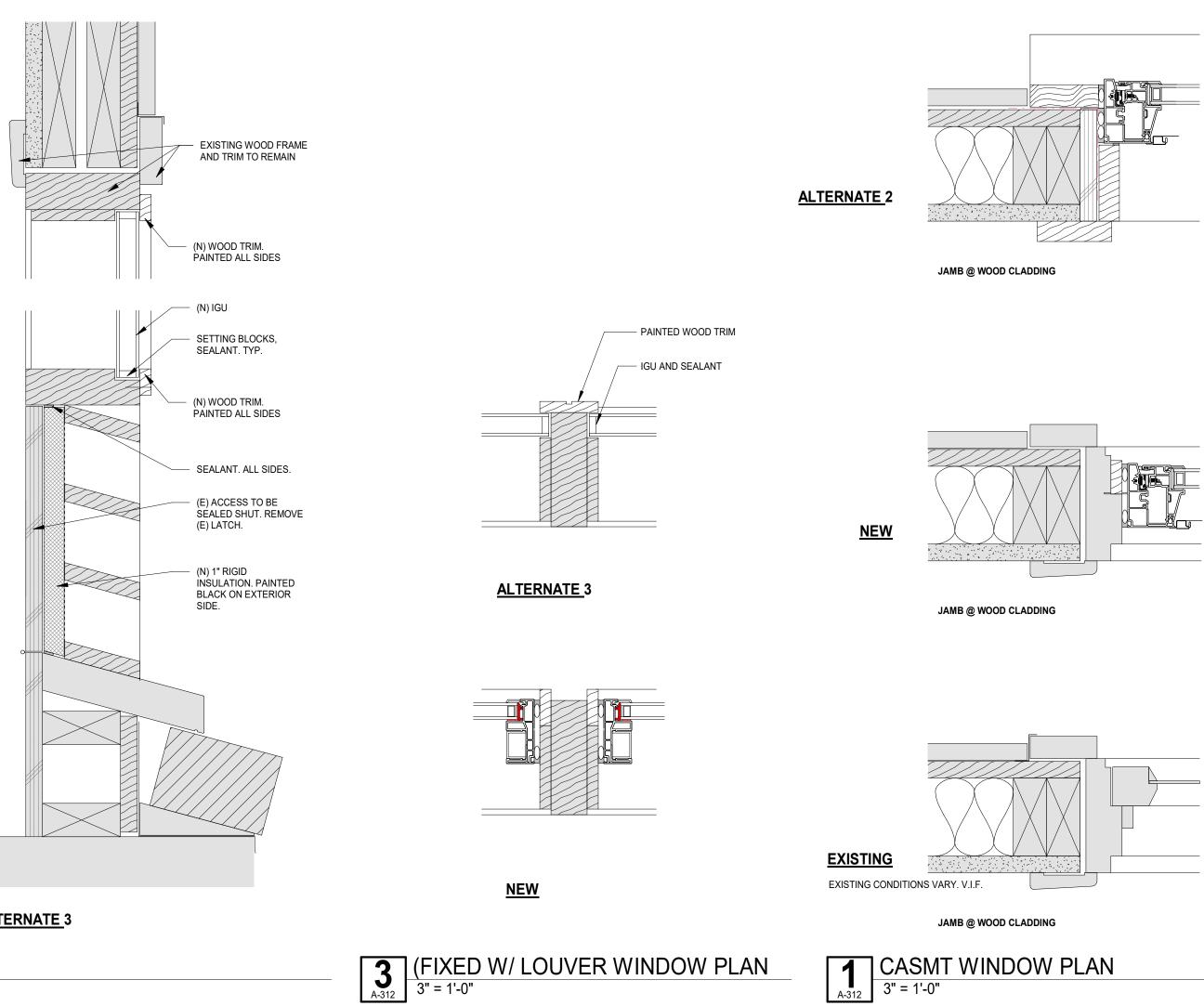
VINYL TRIM

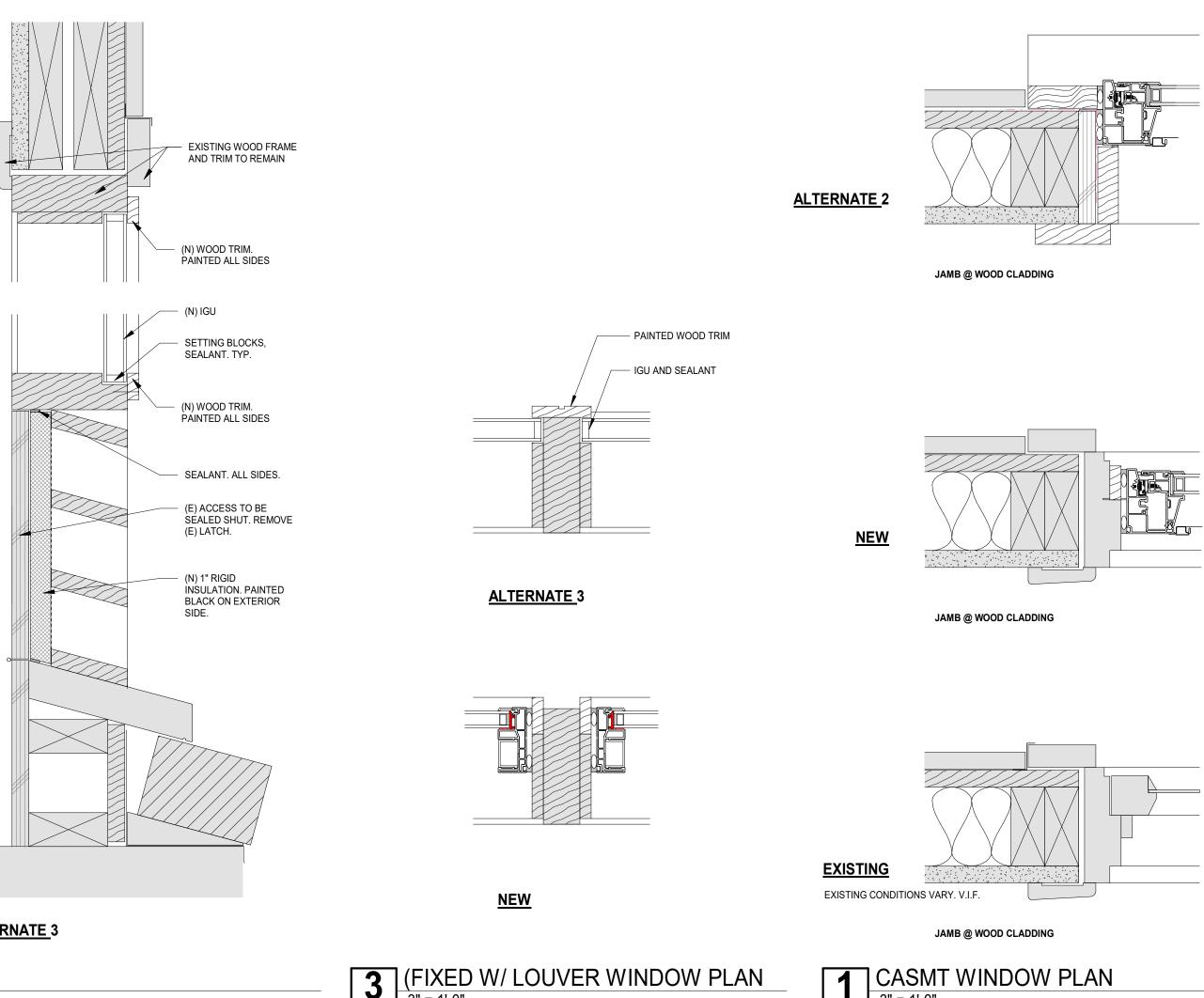
DEMO (E) STOOL

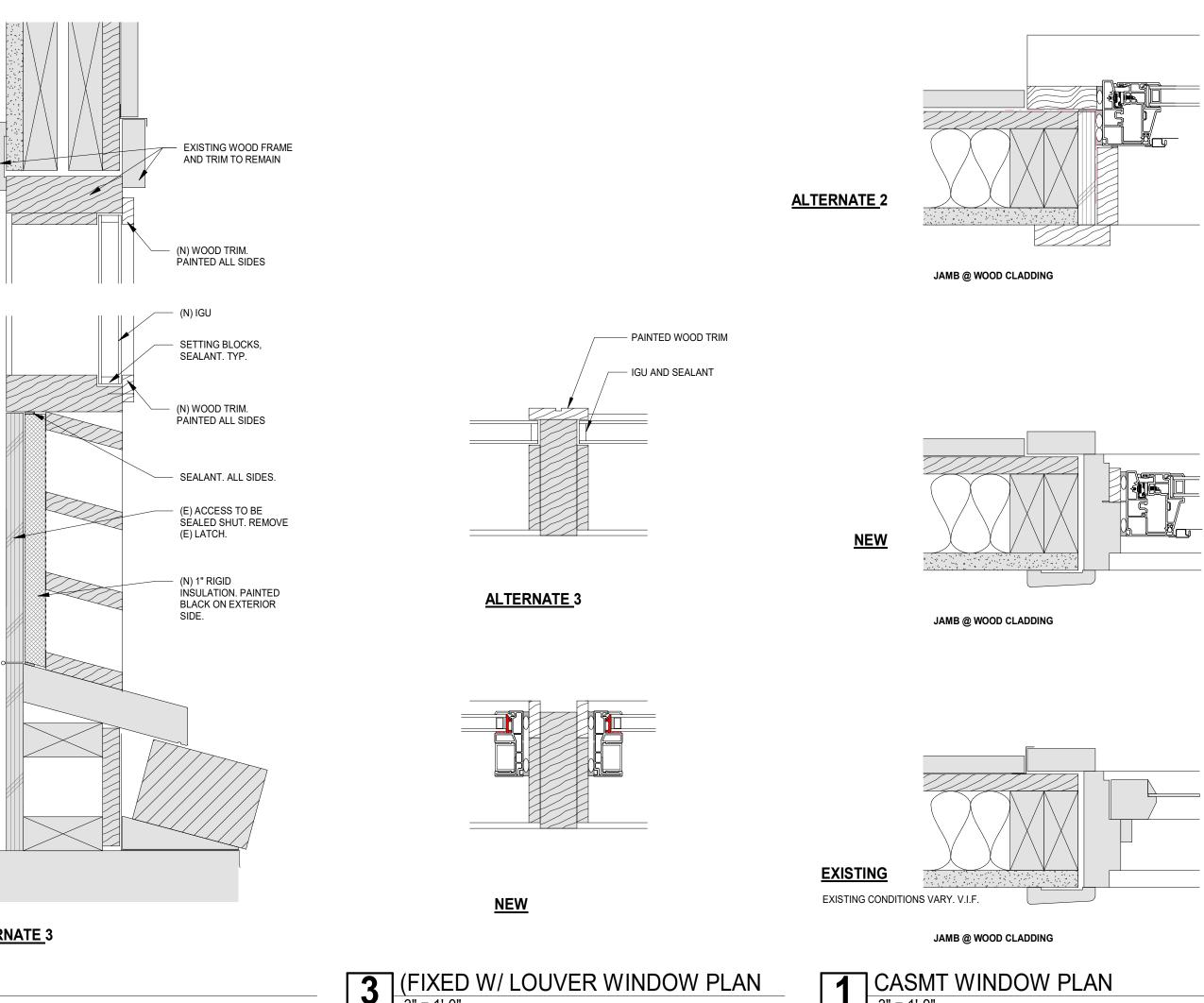
<u>NEW</u>

DEMO SASH. NEW WINDOWS IN (E) FRAME

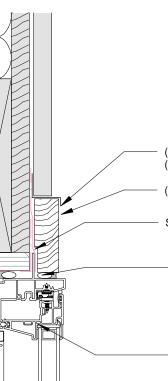
_(N) WOOD TRIM. SEALANT









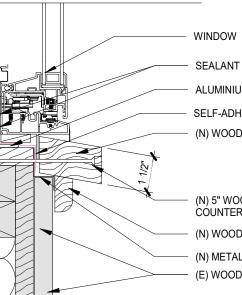


(N) METAL FLASHING. LAP UNDER (E) BUILDING PAPER. (N) WOOD TRIM

SELF-ADHERED MEMBRANE FLASHING

BACKER ROD AND SEALANT

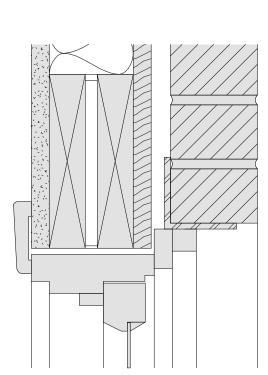


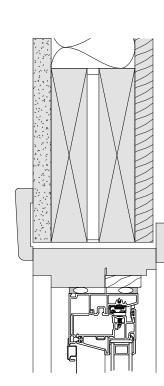


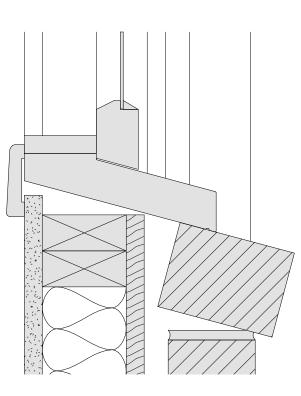
SEALANT ALUMINIUM ANGLE SELF-ADHERED MEMBRANE FLASHING (N) WOOD SILL

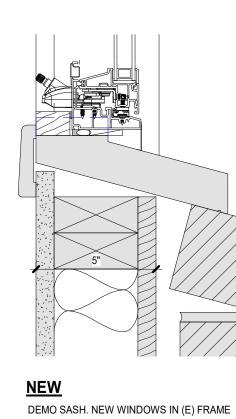
 (N) 5" WOOD SCREW.
 COUNTERSUNK. FILLED. (N) WOOD TRIM - (N) METAL FLASHING (E) WOOD SHEATHING AND SIDING

ALTERNATE #2 DEMO (E) WINDOW. NEW WINDOWS IN EXISTING WINDOW R.O.



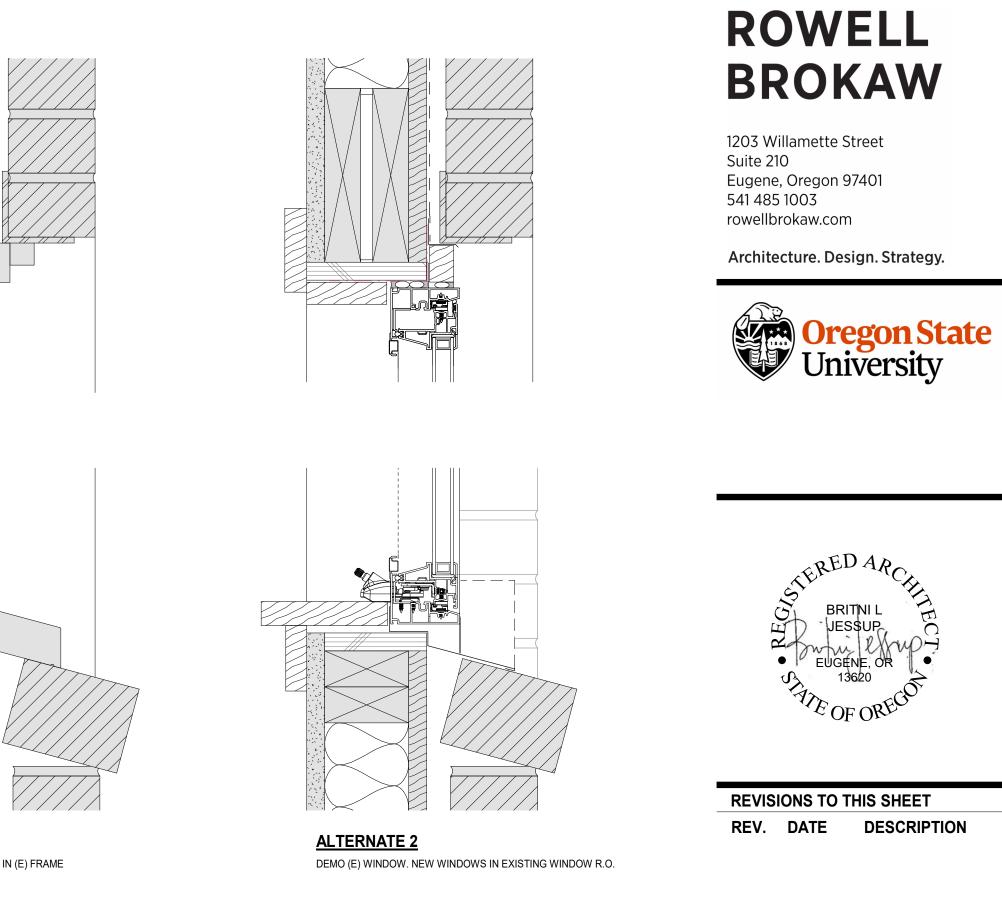


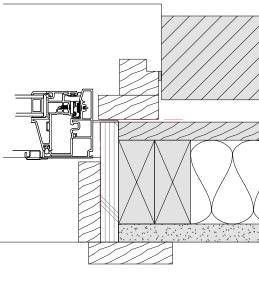




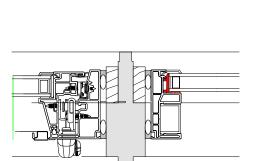
EXISTING EXISTING CONDITIONS VARY. V.I.F.

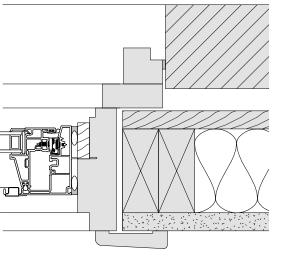
2 A-312 **CASMT WINDOW SECTION - BRICK** 3" = 1'-0"



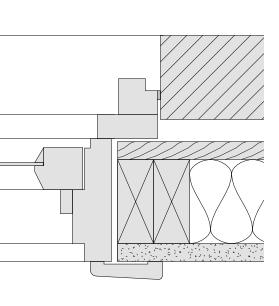


JAMB @ BRICK CLADDING





JAMB @ BRICK CLADDING



JAMB @ BRICK CLADDING

SET ISSUE DATE BP 2024-02-09 100% DD 2023-12-15 100% SD 2023-10-28

PROJECT TRACKING		
RBA #:	2327	
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PM / PA:	PK/SL	

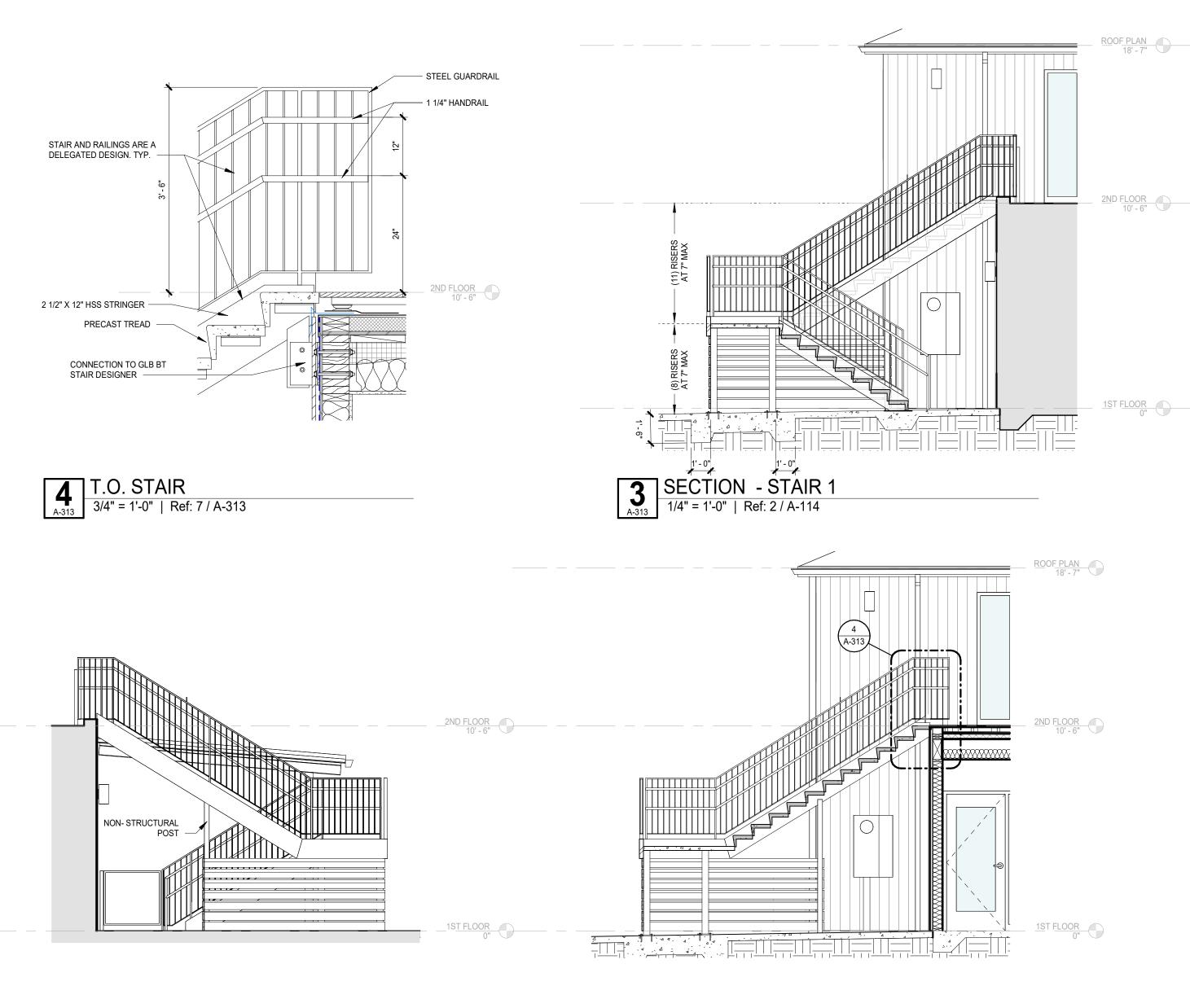
Owner OSU FRC

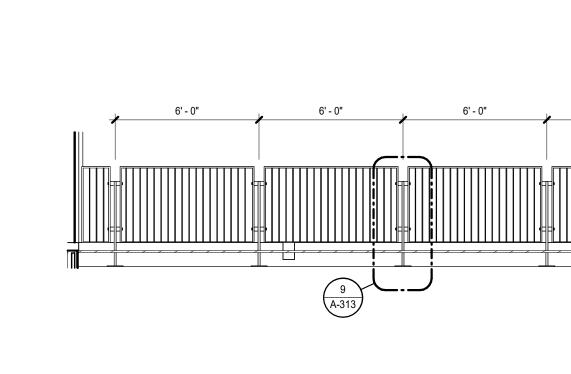
Project Name AZALEA CHILD CARE CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

EXTERIOR DETAILS -WINDOW REPLACEMENT







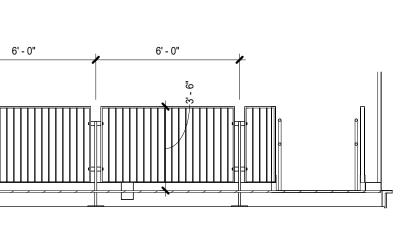
 SECTION - STAIR 2

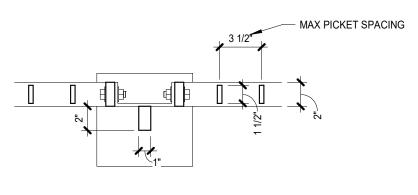
 1/4" = 1'-0" | Ref: 2 / A-114



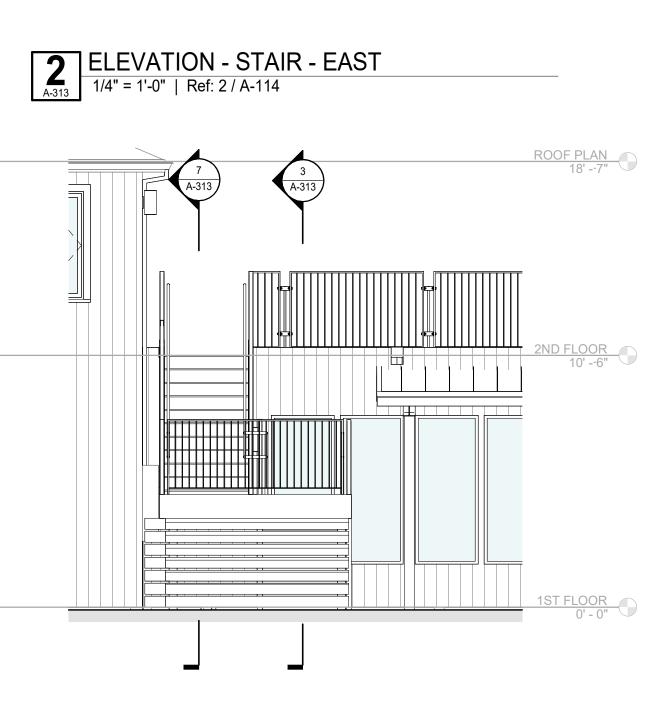
8 A-313 ELEVATION - STAIR - EAST2 1/4" = 1'-0" | Ref: 2 / A7

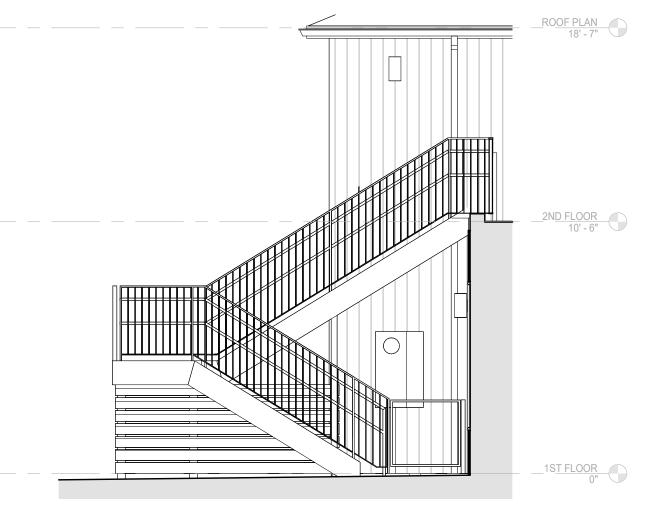
10 A-313 RAIL 1 - PLAN 1 1/2" = 1'-0"

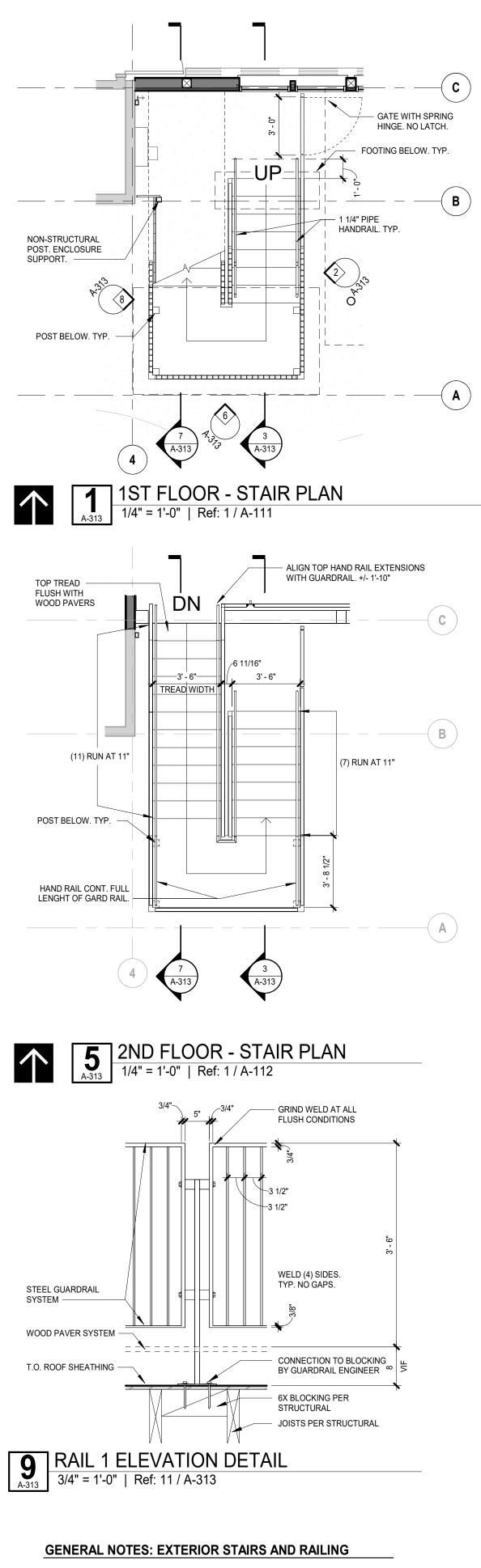










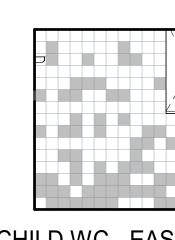


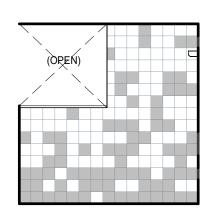
 DELEGATED DESIGN: EXTERIOR STEEL STAIR AND RAILING TO BE A DELEGATED DESIGN. SEE STRUCTURAL NOTES. STAIR AND RAILING CONFIGURATION TO MATCH DESIGN DIRECTION INDICATED ON THIS SHEET.

	ROWELL
X	BROKAW
)	1203 Willamette Street
	Suite 210 Eugene, Oregon 97401 541 485 1003
)	rowellbrokaw.com Architecture. Design. Strategy.
/	
	Oregon State University
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	REVISIONS TO THIS SHEET REV. DATE DESCRIPTION
	SET ISSUE DATE
	BP 2024-02-09 100% DD 2023-12-15
	100% SD 2023-10-28
	PROJECT TRACKING RBA #: 2327 DI O: DI
	P.I.C: BJ PM / PA: PK/SL
	Owner OSU FRC
	-
	Project Name AZALEA CHILD CARE CENTER
	Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

EXTERIOR DETAILS -EXTERIOR STAIR







- TILE-3&4/GRT-1

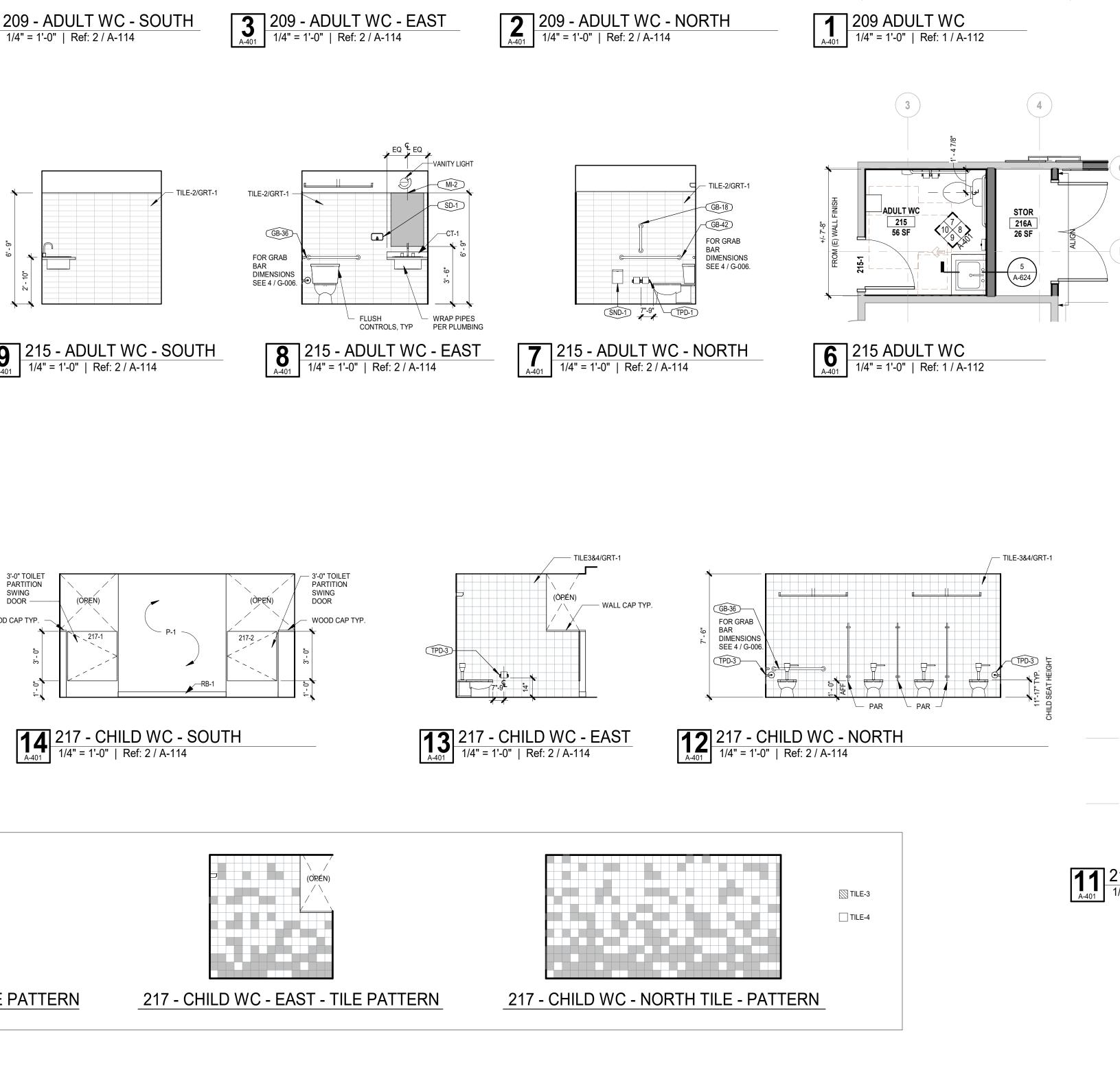
GB-18

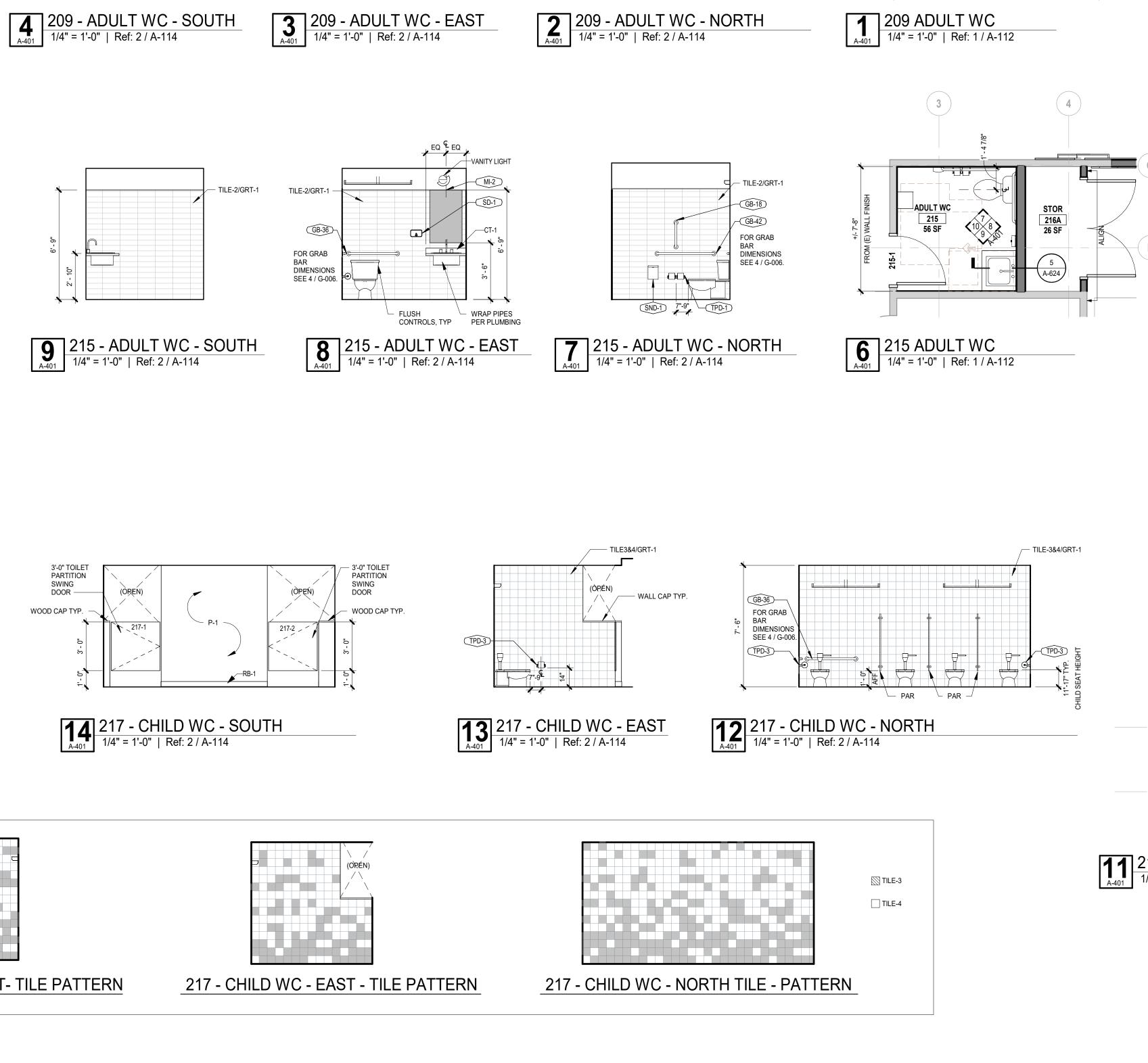
GB-42

FOR GRAB BAR DIMENSIONS SEE 4 / G-006.





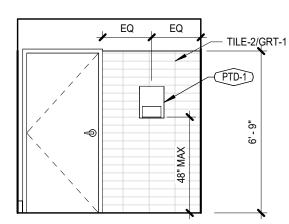




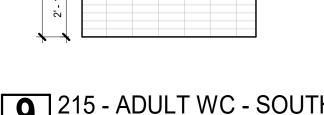


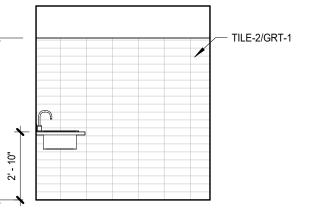
WALL CAP TYP.

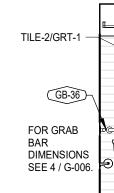


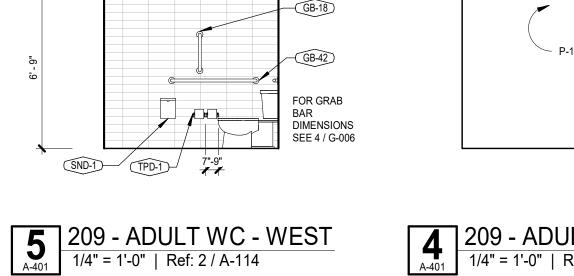


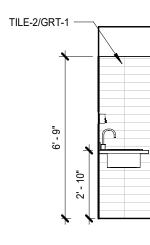
TILE-2/GRT-1 ----

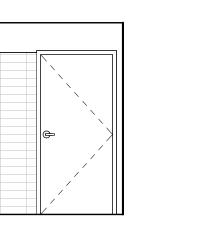


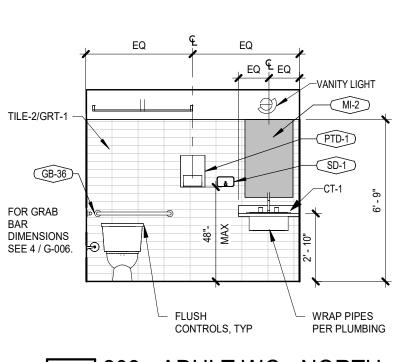


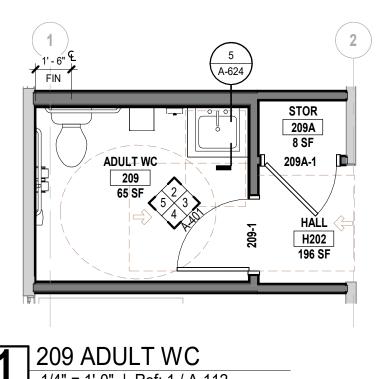












GENERAL NOTES: FLOOR PLANS

- 1. ALL DIMENSIONS TO FACE OF FRAMING / MASONRY / CONCRETE U.N.O.
- 2. SEE DOOR FRAMING DIAGRAM THIS SHEET FOR TYPICAL DOOR FRAMING LAYOUTS.
- 3. COORDINATE PLANS AND INTERIOR ELEVATIONS FOR INTERIOR STOREFRONT DIMENSIONS.
- 4. COORDINATE WITH REFLECTED CEILING PLANS FOR SOFFIT AND TOP OF WALL DETAIL CALLOUTS.
- 5. OFFICE FURNITURE IS INDICATED FOR DESIGN CLARITY ON THE FLOOR PLAN WITH A DASHED GRAY LINE. THIS FURNITURE IS N.I.C
- 6. WINDOW REPLACEMENT: SEE ELEVATIONS FOR LOCATIONS AND CALLOUTS OF REPLACEMENT
- WINDOWS. 7. FILL EXISTING ROOF, FLOOR, AND/OR WALL CAVITIES WITH INSULATION WHERE EXPOSED
- DURING CONSTRUCTION.
- 8. AT EXISTING CORRIDOR WALLS ABUTTING OFFICES, RESTROOMS, CONFERENCE ROOM, OR PRE-SCHOOL ROOM 216, REMOVE (E) WALL FINISH AND FILL CAVITY WITH ACOUSTIC BATT INSULATION.

GENERAL NOTES: INTERIOR ELEVATIONS

- 1. SEE FLOOR PLANS AND ENLARGED PLANS FOR INTERIOR ELEVATION TAG LOCATIONS. 2. PROVIDE GWB AT ALL WALLS AND SOFFIT FACES. SEE WALL ASSEMBLY TYPES FOR
- LOCATIONS WITH MORE THAN (1) LAYER OF GWB. NOTE THAT GWB WILL BE SUBSTRATE FOR ALL OF THE FINISH MATERIALS. 3. SEE FINSH SCHEDULES FOR ADDITIONAL INFORMATION ON FINSH MATERIAL

KEY

LOCATIONS.

XX1) PRODUCT CALLOUT. SEE PRODUCT KEY ON SHEET A10.01

W1. INTERIOR STOREFRONT TAG XX — I.D. – RM. #

TOILET ACCESORIES KEY		
EQUIP. TAG PRODUCT TYPE		
GB-18	GRAB BAR - 18"	
GB-30	GRAB BAR - 30"	
GB-36	GRAB BAR - 36"	
GB-42	GRAB BAR 42"	
H-1	НООК	
MI-2	MIRROR - WALL MOUNTED - SIZE AS NOTED	
PTD-1	PAPER TOWEL DISPENSER	
SND-1	SANITARY NAPKIN DISPOSAL - WALL MOUNTED	
TPD-3	TOILET PAPER DISPENSER - SURFACE MOUNT	



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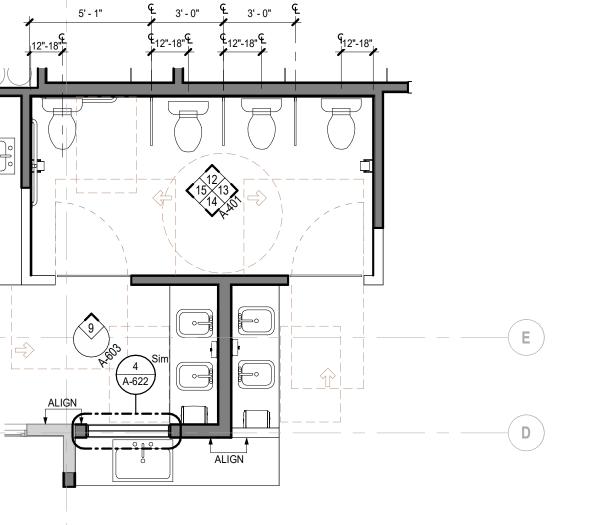
PROJECT TRACKING		
RBA #:	2327	
P.I.C:	BJ	
PM / PA:	PK/SL	

Owner OSU FRC

Project Name AZALEA CHILD CARE CENTER

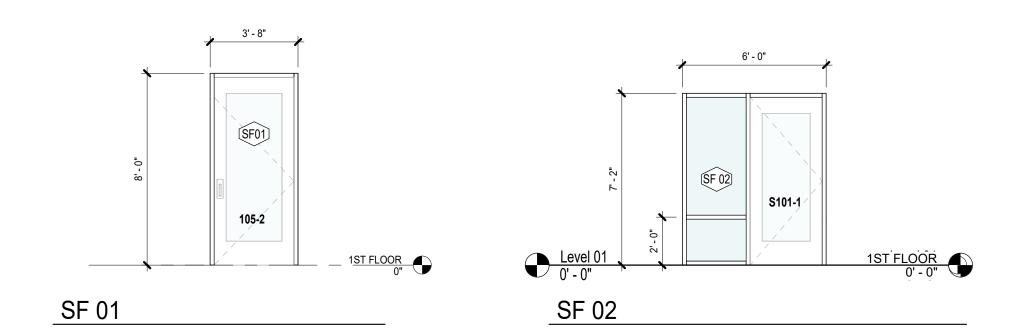
Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

ENLARGED PLANS & **ELEVATIONS** -RESTROOMS



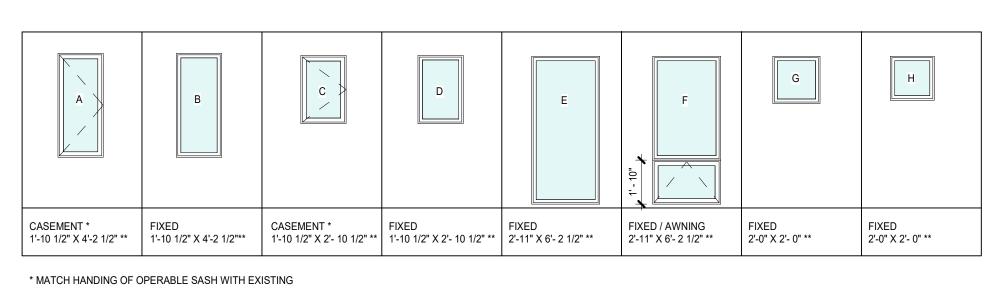
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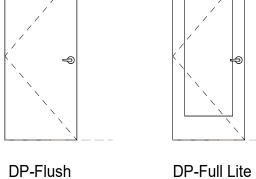


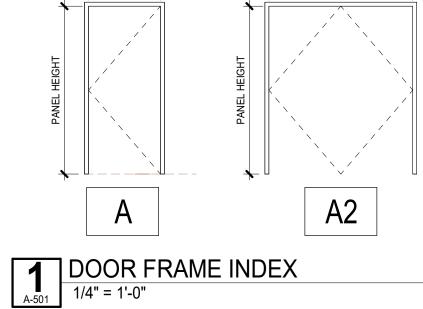
* MATCH HANDING OF OPERABLE SASH WITH EXISTING ** VERIFY ALL WINDOW DIMENSIONS WITH EXISTING CONDITIOINS. ACTUAL REQUIRED SIZES VARY. APROXIMATE FRAME SIZES NOTED ON THIS SCHEDULE.





2 DOOR PANEL INDEX 1/4" = 1'-0"





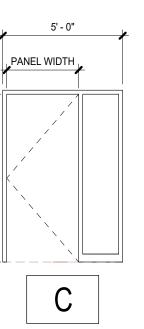
PANEL WIDTH

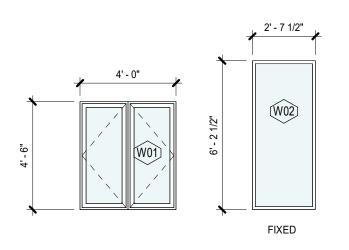
PANEL WIDTH

DOOR SCHEDULE											
				PANEL				F	RAME	HW OPERATION	N
ID	FROM ROOM	TO ROOM	RATING	HEIGHT	PANEL 1 WIDTH	TYPE	MATERIAL	TYPE	MATERIAL	KEY	NOTES
ST FLOOR											
105-2	EXTERIOR	(E) COMMON		7' - 10"	3' - 4"	DP-Full Lite	ALU	SF	ALU	02	
S101-1	(E) EAST ENTRY / STAIR	EXTERIOR		7' - 0"	3' - 0"	DP-Full Lite	ALU	SF	ALU	01	
ND FLOOR										-	
201-1	FRC WAITING ROOM	LACTATION		6' - 8"	3' - 0"	DP-Flush	WD	A	HM	08	
204-1	HALL	BREAK/KITCHEN		6' - 8"	3' - 0"	DP-Full Lite	WD	А	HM	05	
204-2	BREAK/KITCHEN	CONFERENCE ROOM		7' - 0"	5' - 5"	DP-Flush	WD	NA	WD	09	BI-PART BARN DOOR - NO LATCH - NO FRAME
205-1	HALL	CONFERENCE ROOM		6' - 8"	3' - 0"	DP-Full Lite	WD	A	HM	05	
206-1	HALL	OFFICE		6' - 8"	3' - 0"	DP-Full Lite	WD	A	HM	05	
207-1	HALL	DIRECTOR'S OFFICE		6' - 8"	3' - 0"	DP-Full Lite	WD	А	HM	05	
208-1	HALL	OFFICE		6' - 8"	3' - 0"	DP-Full Lite	WD	С	HM	05	
209-1	HALL	ADULT WC		6' - 8"	3' - 0"	DP-Flush	WD	A	HM	07	
209A-1	STOR	HALL		6' - 8"	3' - 0"	DP-Flush	WD	A	HM	06	
210-1	HALL	OFFICE		6' - 8"	3' - 0"	DP-Full Lite	WD	С	HM	05	
211-1	SHARED WORKSPACE	OFFICE		6' - 8"	3' - 0"	DP-Full Lite	WD	С	HM	05	
212-1	SHARED WORKSPACE	EXTERIOR STAIR LANDING		6' - 8"	3' - 0"	DP-Full Lite	HM	С	HM	02	
212A-1	STOR	SHARED WORKSPACE		6' - 8"	3' - 0"	DP-Flush	WD	A	HM	06	
212B-1	STOR	SHARED WORKSPACE		6' - 8"	3' - 0"	DP-Flush	WD	А	HM	06	
215-1	HALL	ADULT WC		6' - 8"	3' - 0"	DP-Flush	WD	А	HM	07	
216-1	SECURE ENTRY	PRE-SCHOOL ROOM		6' - 8"	3' - 0"	DP-Full Lite	WD	С	HM	04	
216-2	PRE-SCHOOL ROOM	EXTERIOR STAIR LANDING		6' - 8"	3' - 0"	DP-Full Lite	HM	A	HM	02	
216A-1	PRE-SCHOOL ROOM	STOR		6' - 8"	6' - 0"	DP-Flush	WD	A2	HM	06	DOUBLE DOOR
218-1	SECURE ENTRY	PRE-SCHOOL ROOM		6' - 8"	3' - 0"	DP-Full Lite	WD	С	HM	04	
218-2	PRE-SCHOOL ROOM	EXTERIOR STAIR LANDING		6' - 8"	3' - 0"	DP-Full Lite	HM	C	HM	02	
219-1	TEACHER WORK ROOM	IT		6' - 8"	3' - 0"	DP-Flush	WD	A	HM	10	
220-1	SECURE ENTRY	TEACHER WORK ROOM		7' - 0"	3' - 0"	DP-Full Lite	WD	A	HM	05	
221-1	SECURE ENTRY	HALL		6' - 8"	3' - 0"	DP-Full Lite	WD	А	HM	03	
221D-1	STOR	HALL		6' - 8"	3' - 0"	DP-Flush	WD	A	HM	06	

HARDWARE OPERATION KEY

GROUP	OPENING TYPE	FUNCTION	NOTES
01	BUILDING ENTRY WITH ACCESS CONTROL - ADA	PANIC HW, CLOSER, ACCESS CONTROL, OFFSET ALU THRESHOLD, WEATHER STRIPPING, DOOR OPERATOR	
02	BUILDING ENTRY WITH ACCESS CONTROL - PANIC HW	PANIC HW, CLOSER, ACCESS CONTROL, OFFSET ALU THRESHOLD, WEATHER STRIPPING.	
03	INTERIOR SECURITY	CLASSROOM FUNCTION, LEVER LOCKSET, CLOSER, STOPS, KICK PLATE, ACCESS CONTROL	2ND FLOOR SECURED CLASS ROOM ENTRY
04	CLASSROOM ENTRY	CLASSROOM FUNCTION, LEVER LOCKSET, CLOSER, STOPS, KICK PLATE	CLASSROOM INTERIOR ENTRY DOORS
05	OFFICE FUNCTION	LEVER LOCKSET, CLOSER, STOPS, KICK PLATE	OFFICE, MEETING ROOM
06	STORAGE/UTILITY RM	STOREROOM FUNCTION, CLOSER, STOPS, KICK PLATE.	FLUSH BOLT AT DOUBLE DOORS
07	RESTROOM - OSU STANDARD	LEVER LOCKSET. OSU STANDARD RESTROOM ACCESS CONTROL	2ND FLOOR REST ROOMS
08	PRIVACY	LEVER LOCKSET WITH OCCUPANCY INDICATOR, KICK PLATE	LACTATION RM
09	BARN DOOR	BI-PARTING, SURFACE MOUNTED SLIDING DOOR. NO LATCH. NO KICK PLATES.	
10	SECURE STORAGE	STOREROOM FUNCTION, CLOSER, STOPS, KICK PLATE, ACCESS CONTROL	







	WINDOW COV	ERINGS		WINDOW COVE	RINGS	
RM #	RM NAME	WIDTH*	HT*	RM #	RM NAME	WIDTH
				202	FRC WAITING ROOM	6' - 2'
nside Mount		01 / /0/0501	0	203	ADMIN	4' - 4
205	CONFERENCE ROOM	2' - 4 13/256"	3"	204	BREAK/KITCHEN	6' - 2'
205	CONFERENCE ROOM	2' - 4"	3"	205	CONFERENCE ROOM	6' - 0
205	CONFERENCE ROOM	2' - 4"	3"	206	OFFICE	6' - 2
208	OFFICE	1' - 6"	3"	207	DIRECTOR'S OFFICE	6' - 2
210	OFFICE	1' - 6"	3"	207	DIRECTOR'S OFFICE	6' - 2
211	OFFICE	1' - 6"	3"	208	OFFICE	6' - 2
212	SHARED WORKSPACE	1' - 6"	3"	210	OFFICE	6' - 2
216	PRE-SCHOOL ROOM	1' - 6"	3"	211	OFFICE	6' - 2
218	PRE-SCHOOL ROOM	1' - 6"	3"	212	SHARED WORKSPACE	4' - 0
218	PRE-SCHOOL ROOM	1' - 6"	3"	216	PRE-SCHOOL ROOM	6' - 2
221	SECURE ENTRY	1' - 10"	3"	216	PRE-SCHOOL ROOM	8' - 7
221	SECURE ENTRY	1' - 10"	3"	216	PRE-SCHOOL ROOM	8' - 7
outside Mount Ab	ove Trim			218	PRE-SCHOOL ROOM	6' - 2
201	LACTATION	4' - 7"	3 1/2"	218	PRE-SCHOOL ROOM	6' - 2

GENERAL NOTES: WINDOW COVERINGS

* APROXIMATE DIMS ARE PROVIDED IN THIS SCHEDULE. VERIFY DIMS IN THE FIELD.

GENERAL NOTES: DOORS

- 1. PROVIDE GLAZING IN ALL DOORS, FRAMES, AND STOREFRONT SYSTEMS PER SCHEDULE AND SPECIFICATIONS. PROVIDE TEMPERED GLASS IN ALL DOOR LITES, SIDELITES AND TRANSOMS PER CODE.
- 2. COORDINATE LOW VOLTAGE SECURITY SYSTEMS WITH HARDWARE AND FRAMES.
- 3. WHERE A FLOOR MATERIAL CHANGES BETWEEN ROOMS, MAKE TRANSITION AT CENTER LINE OF
- 4. VERIFY ALL FLOOR TRANSITIONS AND THRESHOLDS MEET ADA REQUIREMENTS.

GENERAL NOTES: WINDOWS AND STOREFRONTS

- A. WINDOW REPLACEMENT:
- a. AT EXISTING CASEMENT AND CASMENT/FIXED COMBINATION UNITS, REMOVE EXISTING SASH AND INSTALL NEW WINDOWS IN THE EXISTING WINDOW FRAMES. AT EXISTING LARGE FIXED UNITS WITH WOOD LOUVERS, REMOVE GLASS AND INSTALL THE WINDOWS
- IN THE EXISTING FRAMES. LOUVERS AND FRAMES TO REMAIN. b. SEE ALTERNATES FOR FULL SASH AND FRAME REPLACEMENT AT CASEMENT/FIXTED COMBO UNITS AND GLASS REPLACEMENT AT THE LOWER LEVEL FIXED UNITS WITH LOUVERS.
- 1. ROUGH OPENINGS: NEW CONSTRUCTION A. DIMENSIONS SHOWN FOR VINYL WINDOWS, CURTAINWALL, AND STOREFRONT DESIGNATE THE WALL ROUGH OPENINGS (R.O.). WINDOW FRAME DIMENSIONS SHALL ACCOUNT FOR 3/8" MIN. JOINT ON ALL SIDES.
- B. VERIFY VERTICAL ALIGNMENT OF ROUGH OPENINGS PRIOR TO WATERPROOFING WINDOW OPENINGS TO ENSURE JAMBS ARE WITHIN 1/4" TOLERANCE ACROSS VERTICAL STACK OF WINDOWS.
- 2. ALL EXTERIOR GLAZING TO BE INSULATED GLAZING UNITS.
- 3. GLAZING TO BE TEMPERED IN THE FOLLOWING LOCATIONS:
- A. CLASSROOMS

HT*

3 1/2'

3 1/2" 3 1/2" 3 1/2" 3 1/2" 3 1/2" 3 1/2" 3 1/2" 3 1/2" 3 1/2" 3 1/2"

- A. CLASSROUMS
 B. FIXED AND OPERABLE PANELS OF SWINGING OR SLIDING DOORS.
 C. GLAZING IN FIXED OR OPERABLE PANELS WITHIN 24" OF A DOOR WHERE THE BOTTOM EDGE IS BELOW 18" AFF AND THE TOP EDGE IS ABOVE 36" AFF.
 D. GLAZING IN FIXED OR OPERABLE PANELS > 9 SF WHERE THE BOTTOM EDGE IS BELOW18" AFF AND THE TOP EDGE IS ABOVE 26" AFF.
- TOP EDGE IS ABOVE 36" AFF. E. GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF A STAIRWAY MEETING REQUIREMENTS OF OSSC 2406.4.7.

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PROJECT	FRACKING
RBA #:	2327
P.I.C:	BJ
PM / PA:	PK/SL

Owner OSU FRC

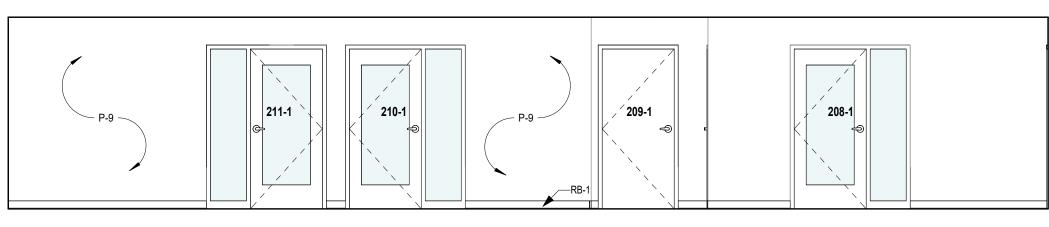
Project Name AZALEA CHILD CARE CENTER

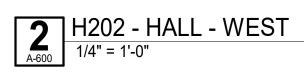
Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

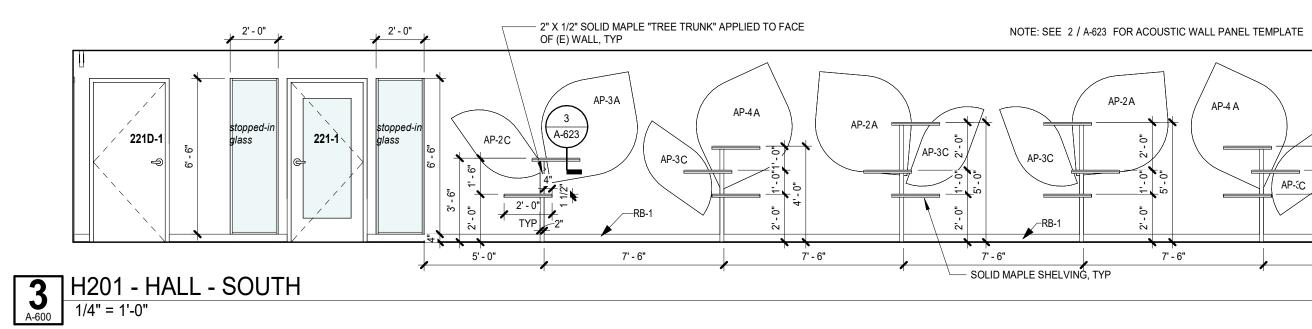
DOOR - WINDOW -STOREFRONT SCHEDULES

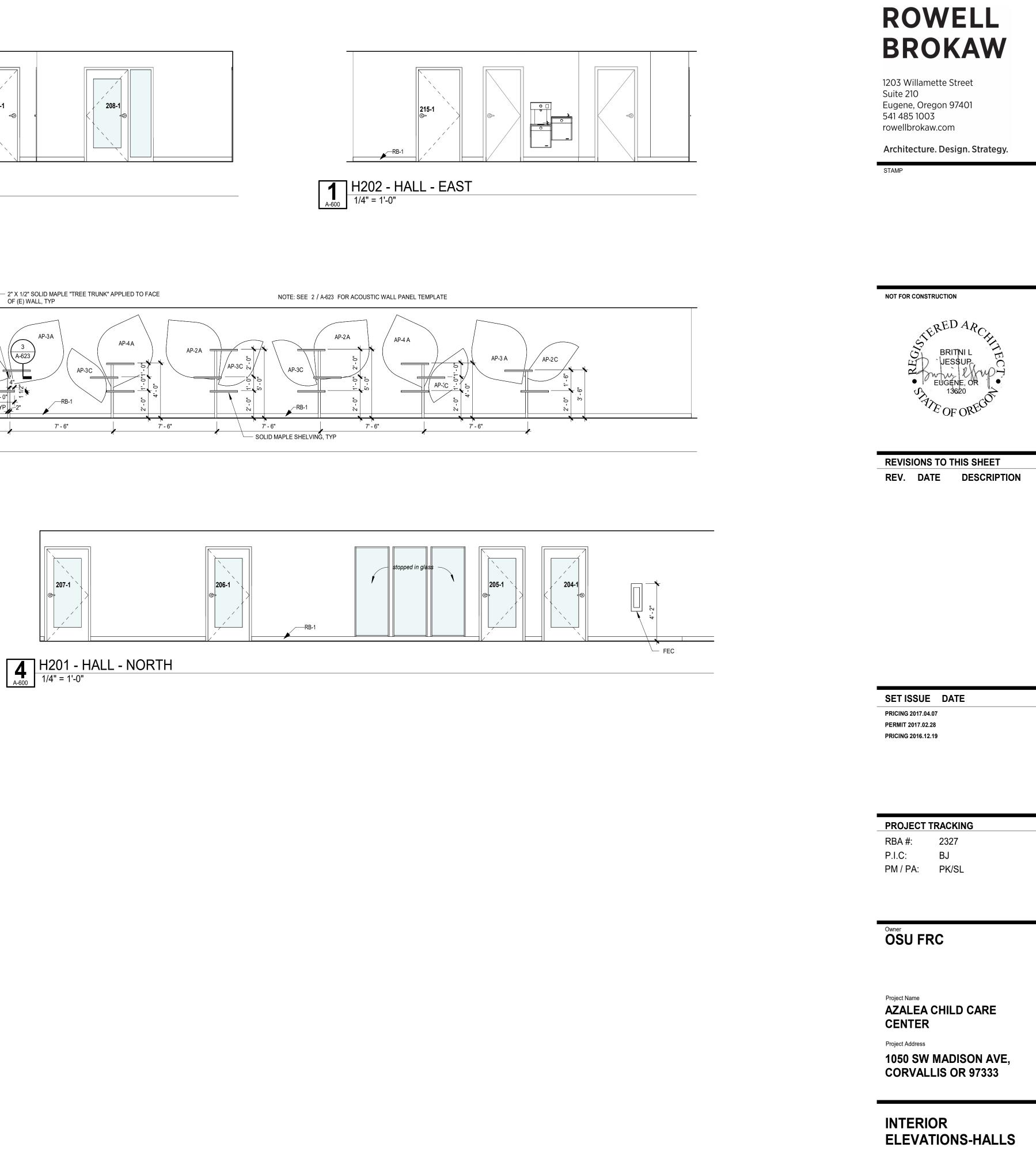


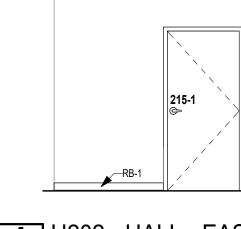
WINDOW COVERINGS						
RM #	RM NAME	WIDTH*	HT*			
218	PRE-SCHOOL ROOM	6' - 2"	3 1/2			
220	TEACHER WORK ROOM	6' - 2"	3"			
Outside Mount fo	or Door					
204	BREAK/KITCHEN	2' - 2"	3 1/2			
205	CONFERENCE ROOM	2' - 2"	3 1/2			
206	OFFICE	2' - 2"	3 1/2			
207	DIRECTOR'S OFFICE	2' - 2"	3 1/2			
208	OFFICE	2' - 2"	3 1/2			
210	OFFICE	2' - 2"	3 1/2			
211	OFFICE	2' - 2"	3 1/2			
212	SHARED WORKSPACE	2' - 2"	3 1/2			
216	PRE-SCHOOL ROOM	2' - 2"	3 1/2			
216	PRE-SCHOOL ROOM	2' - 2"	3 1/2			
218	PRE-SCHOOL ROOM	2' - 2"	3 1/2			
218	PRE-SCHOOL ROOM	2' - 2"	3 1/2			
221	SECURE ENTRY	2' - 2"	3 1/2			





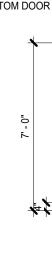




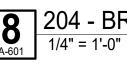


A-600

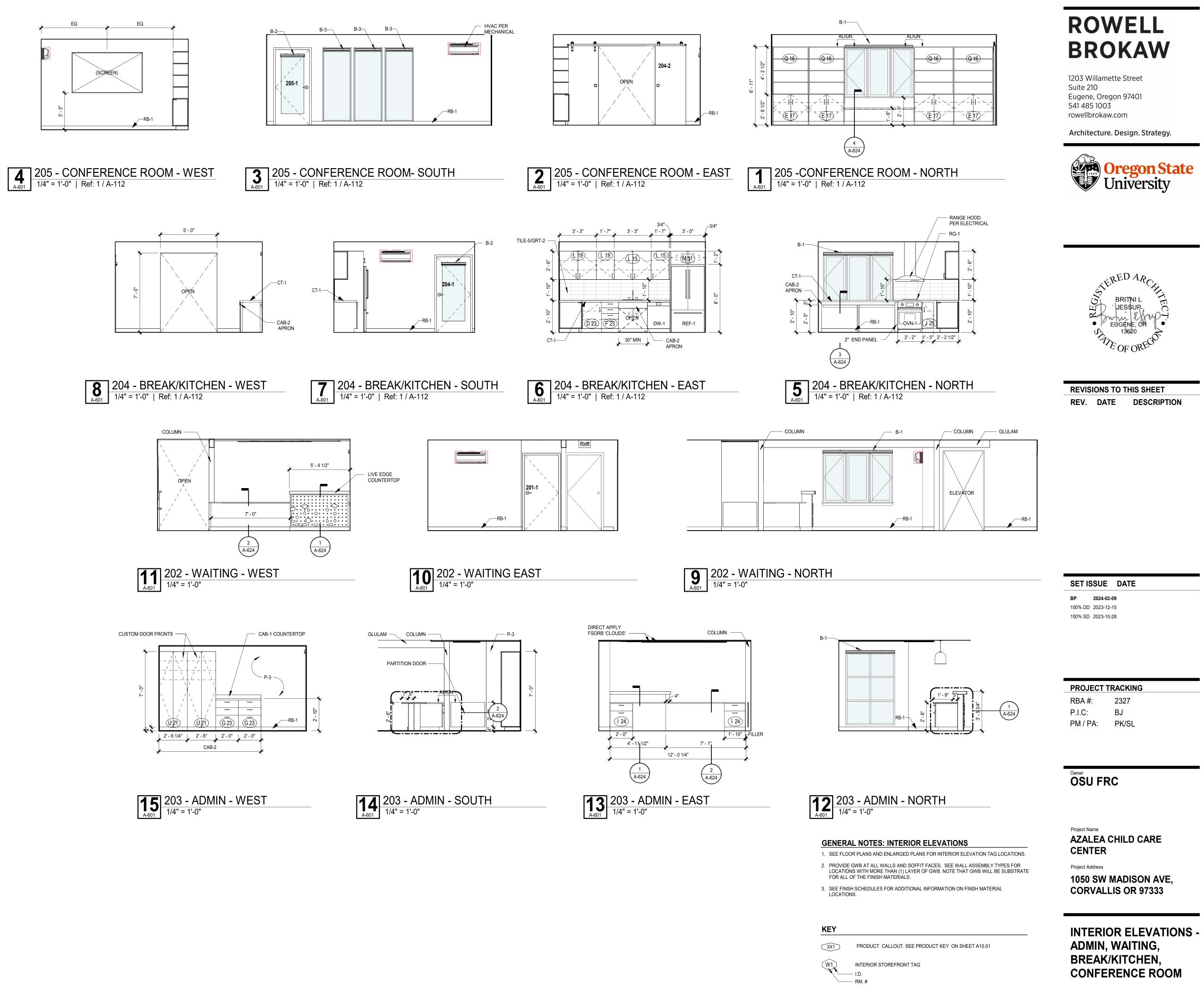


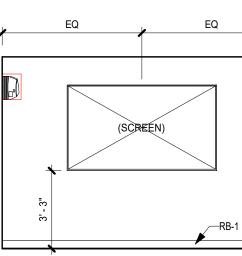


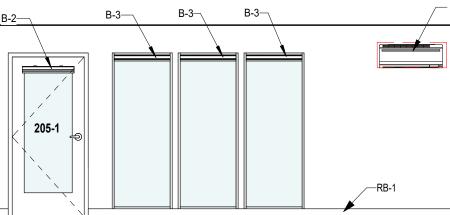


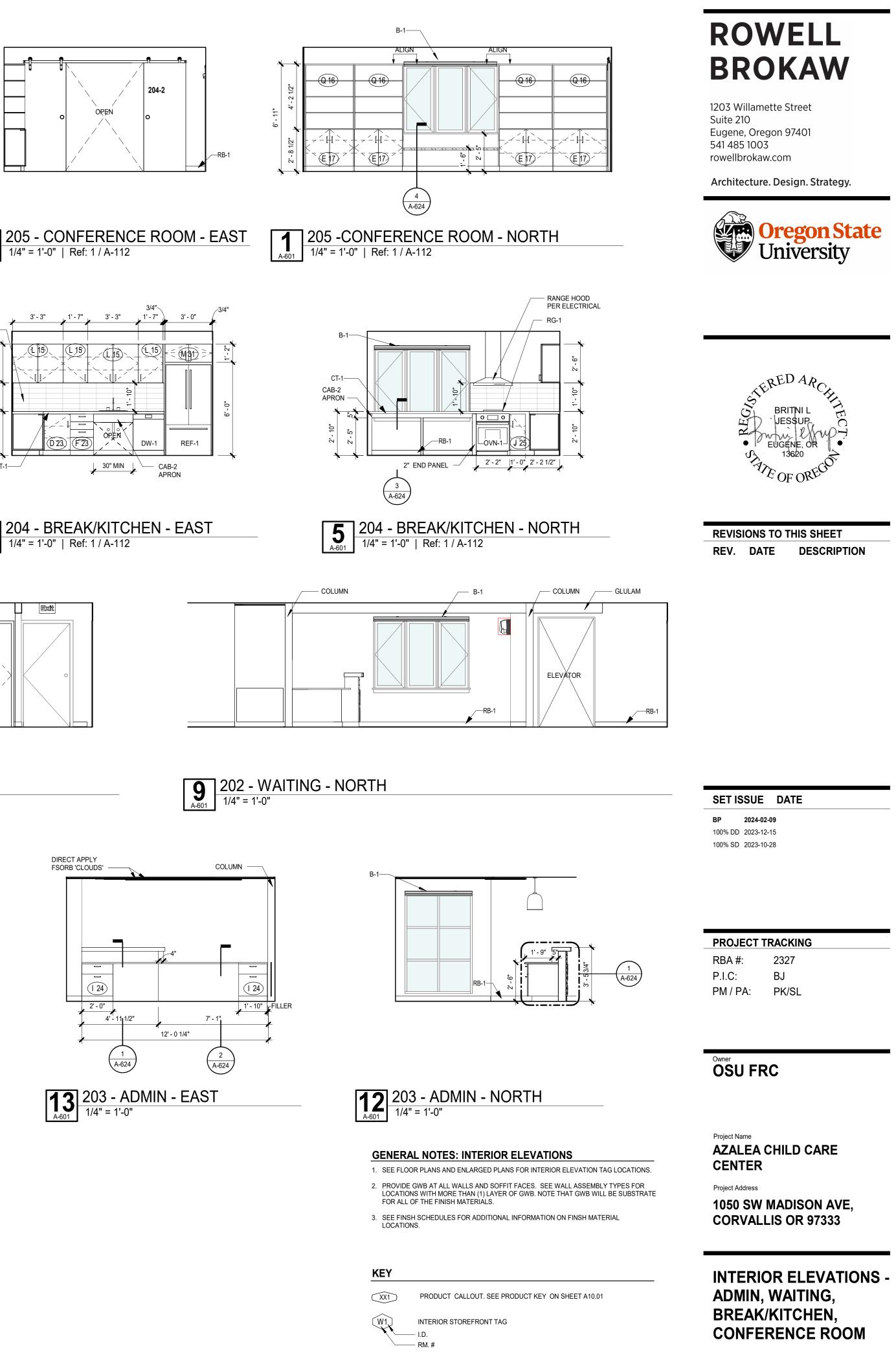




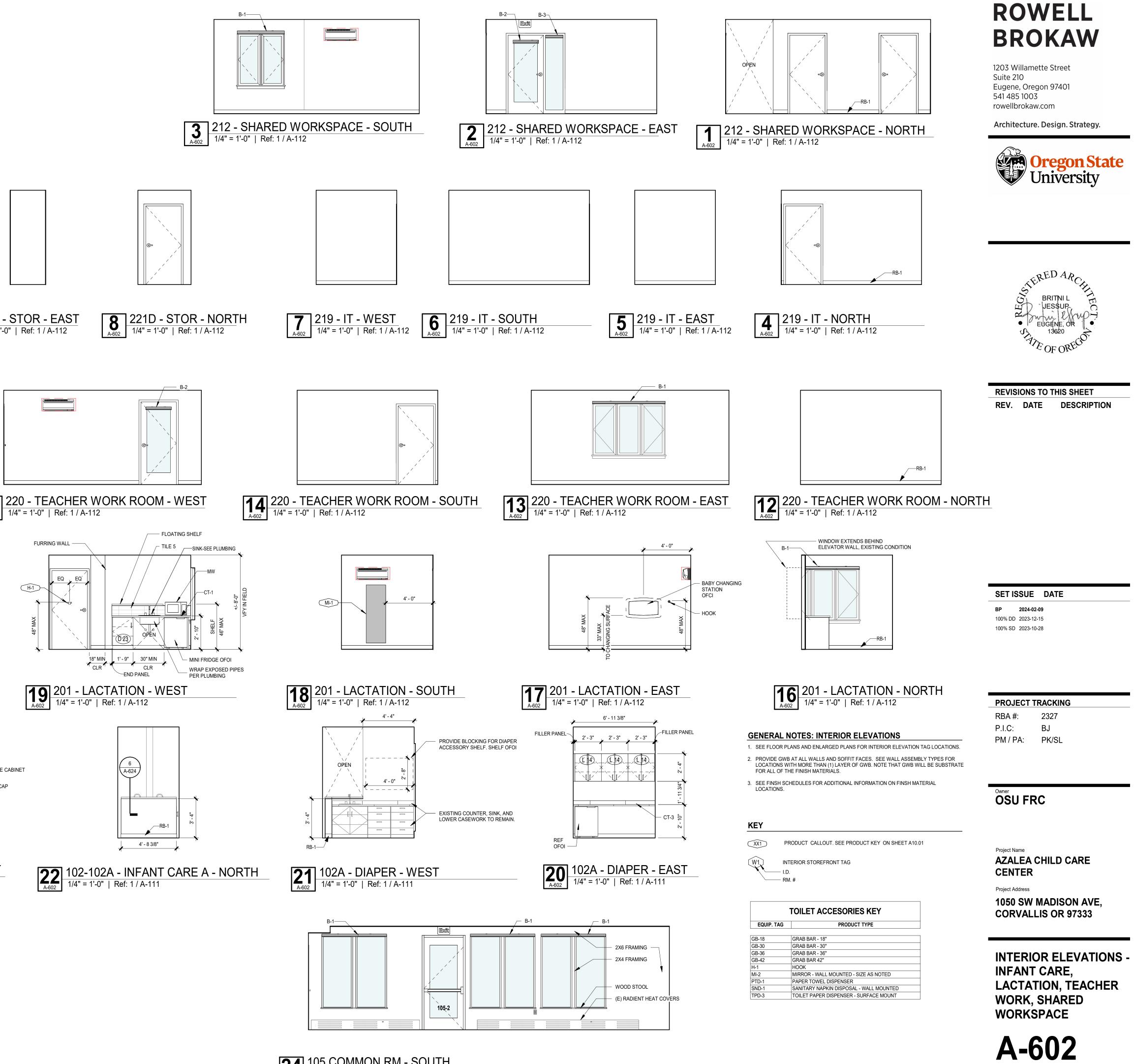


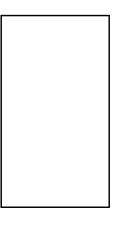


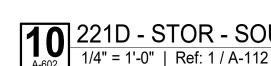




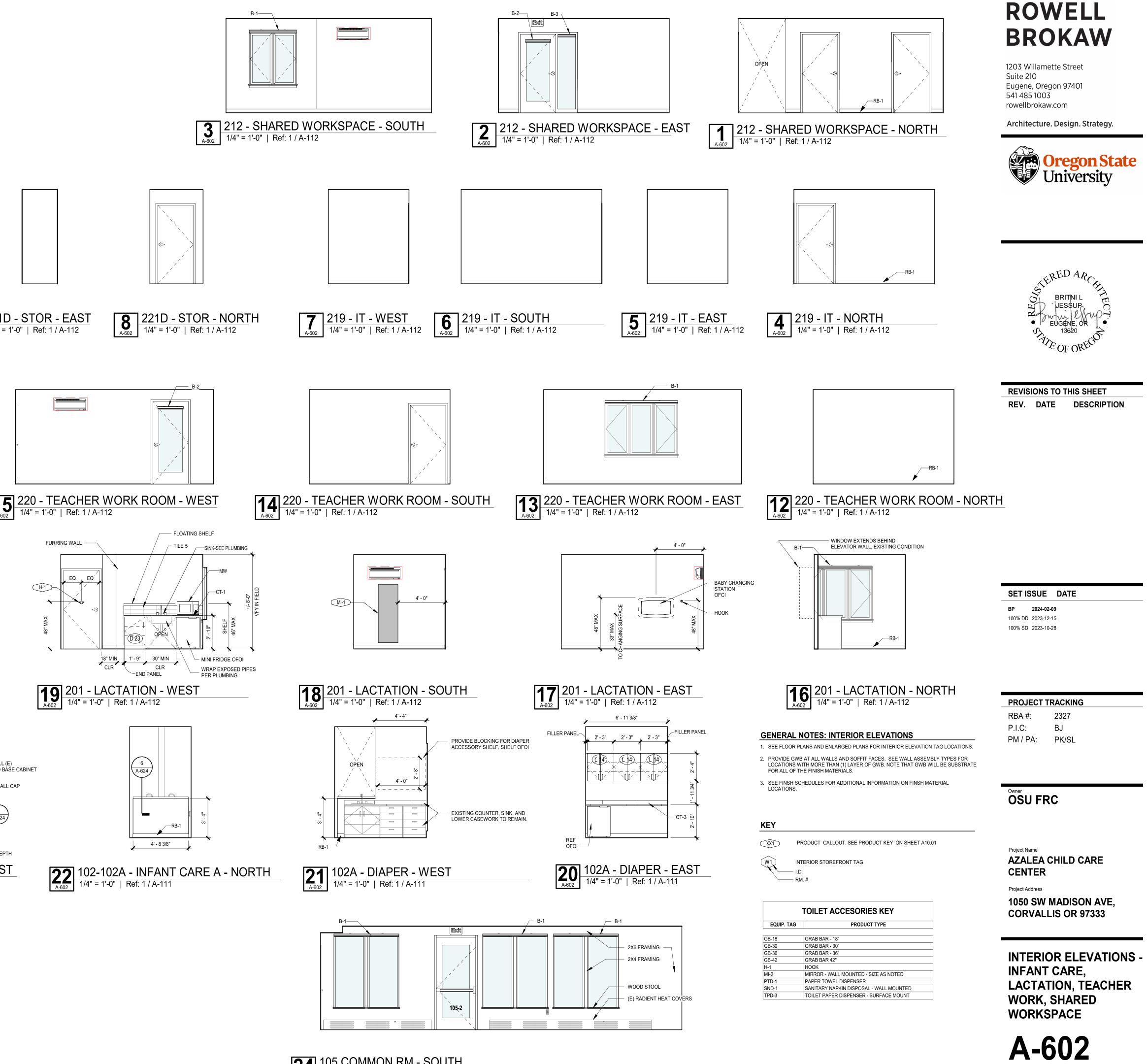
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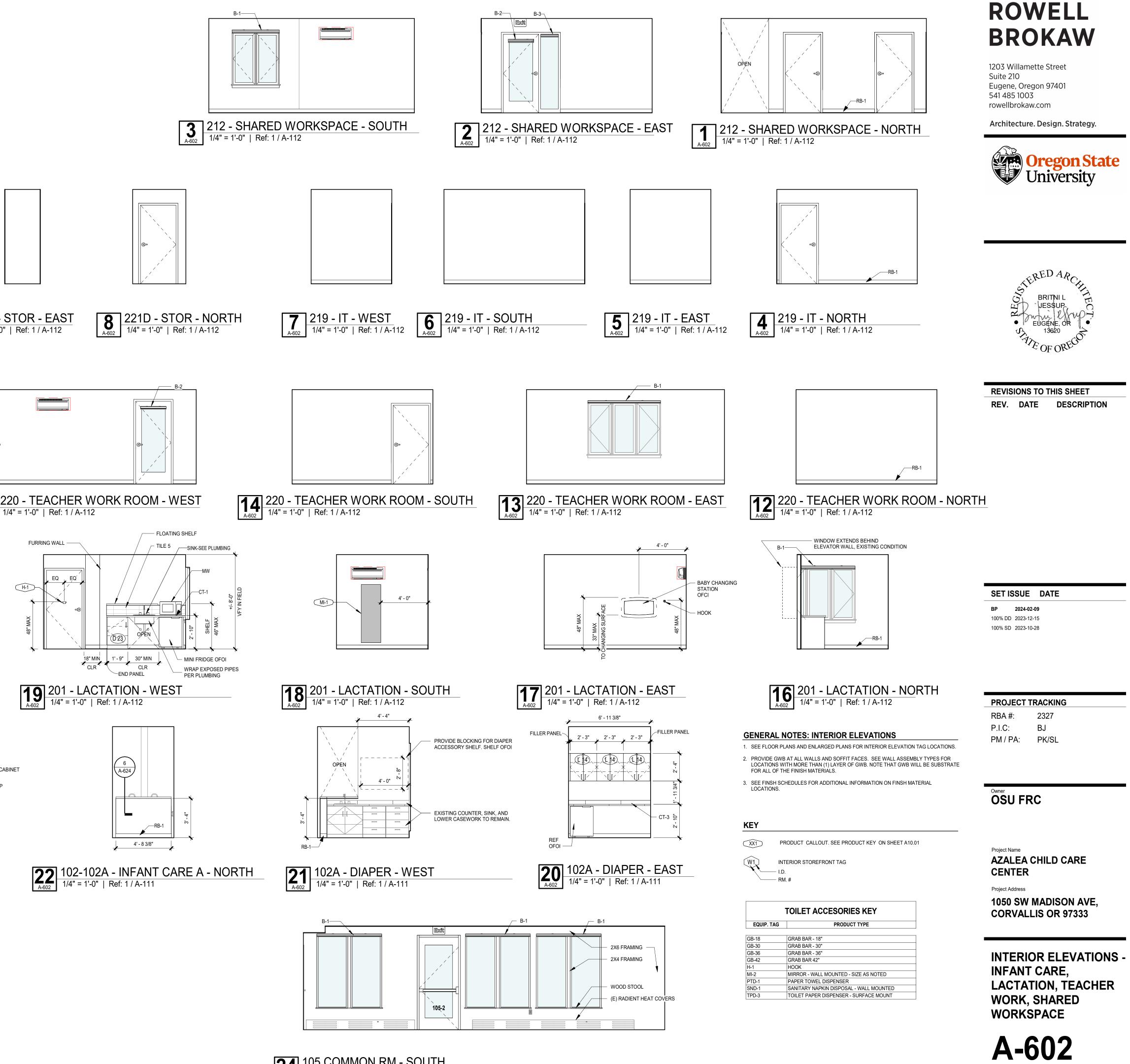


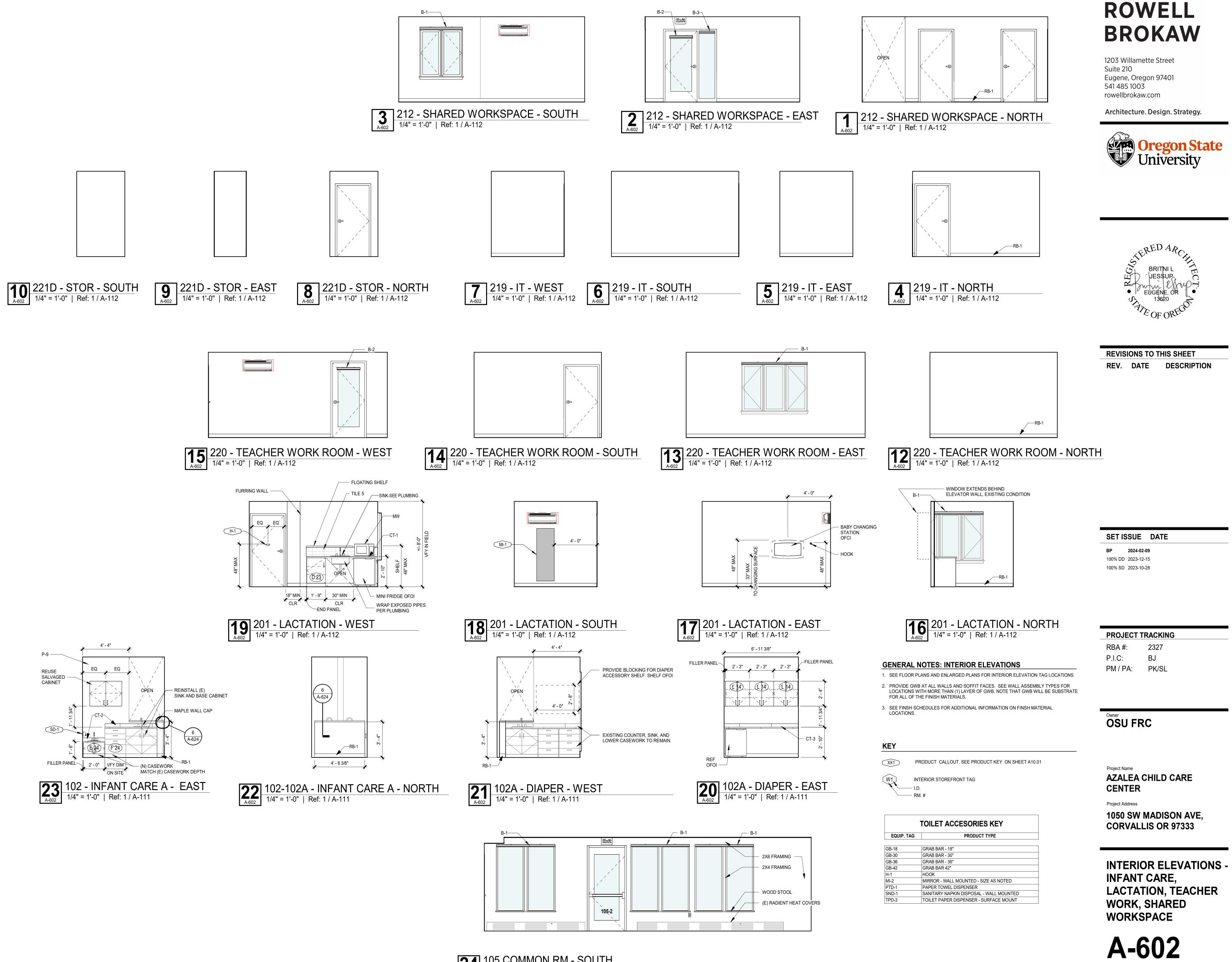






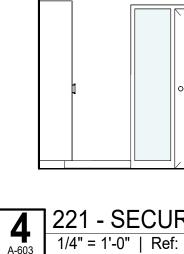


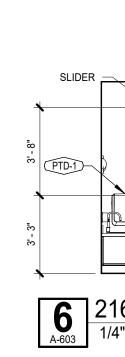


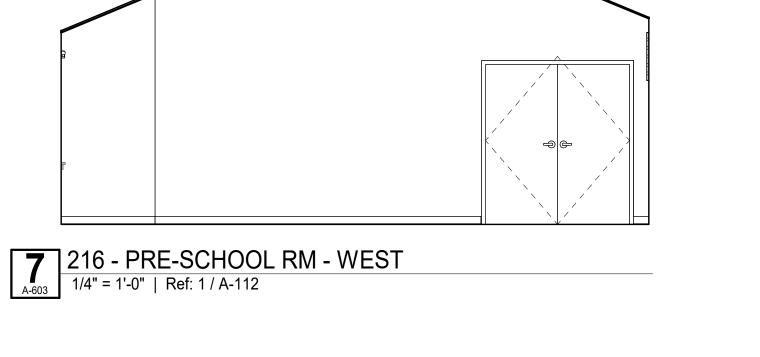


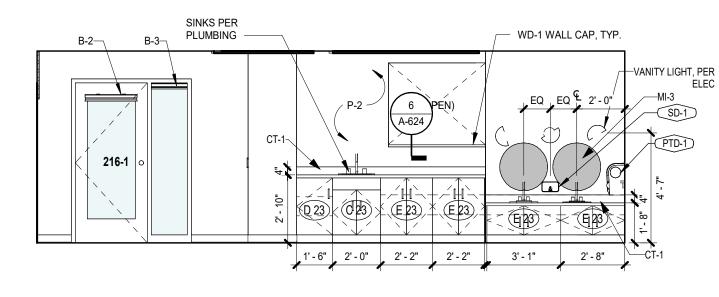


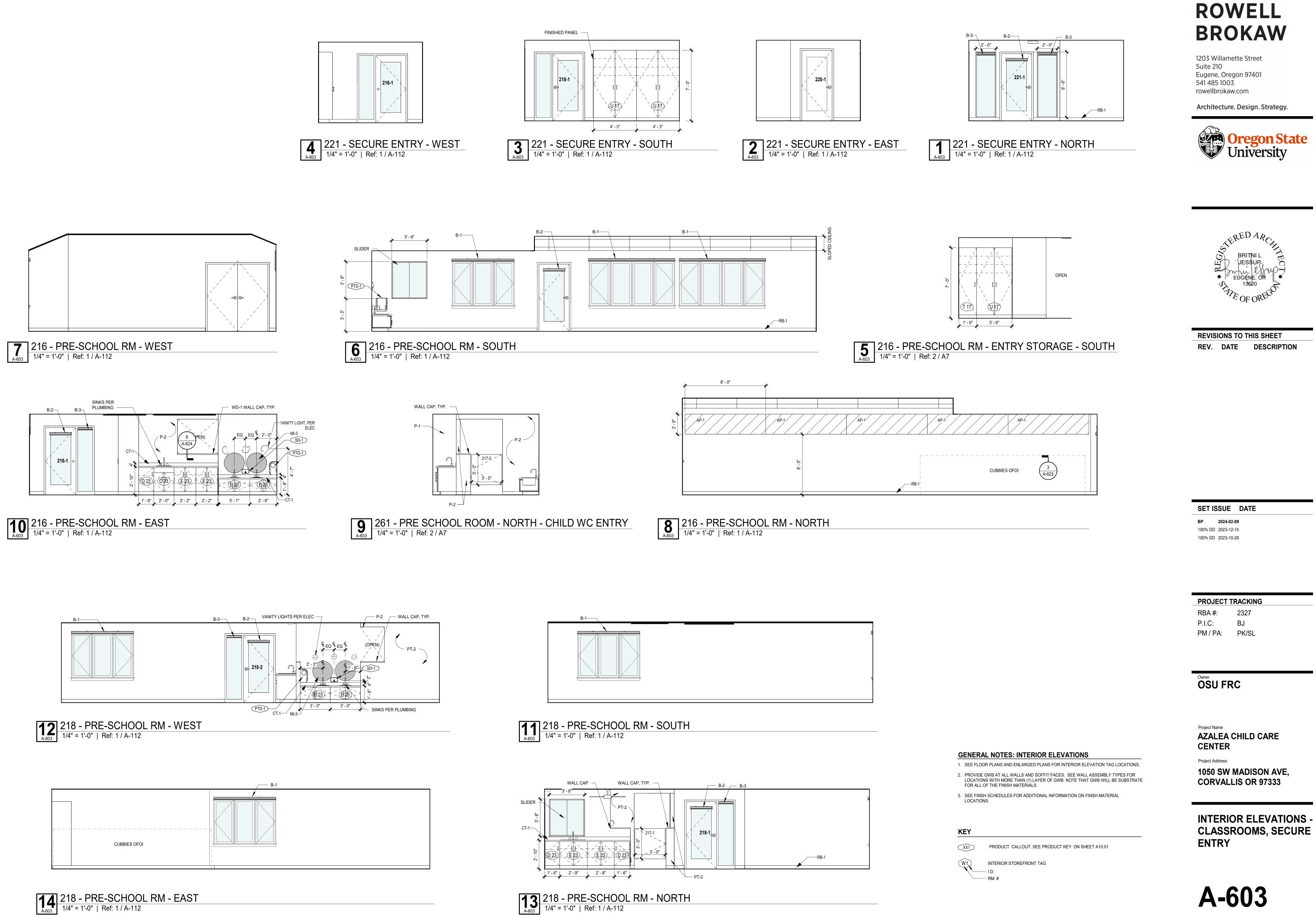
A-602 1/4" = 1'-0" | Ref: 1 / A-111

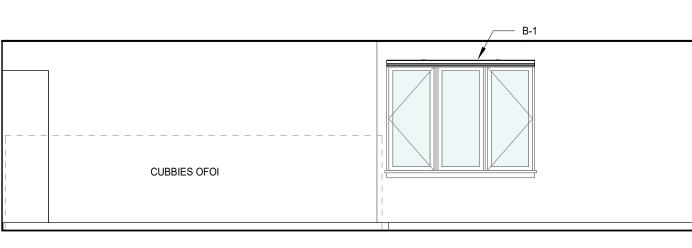








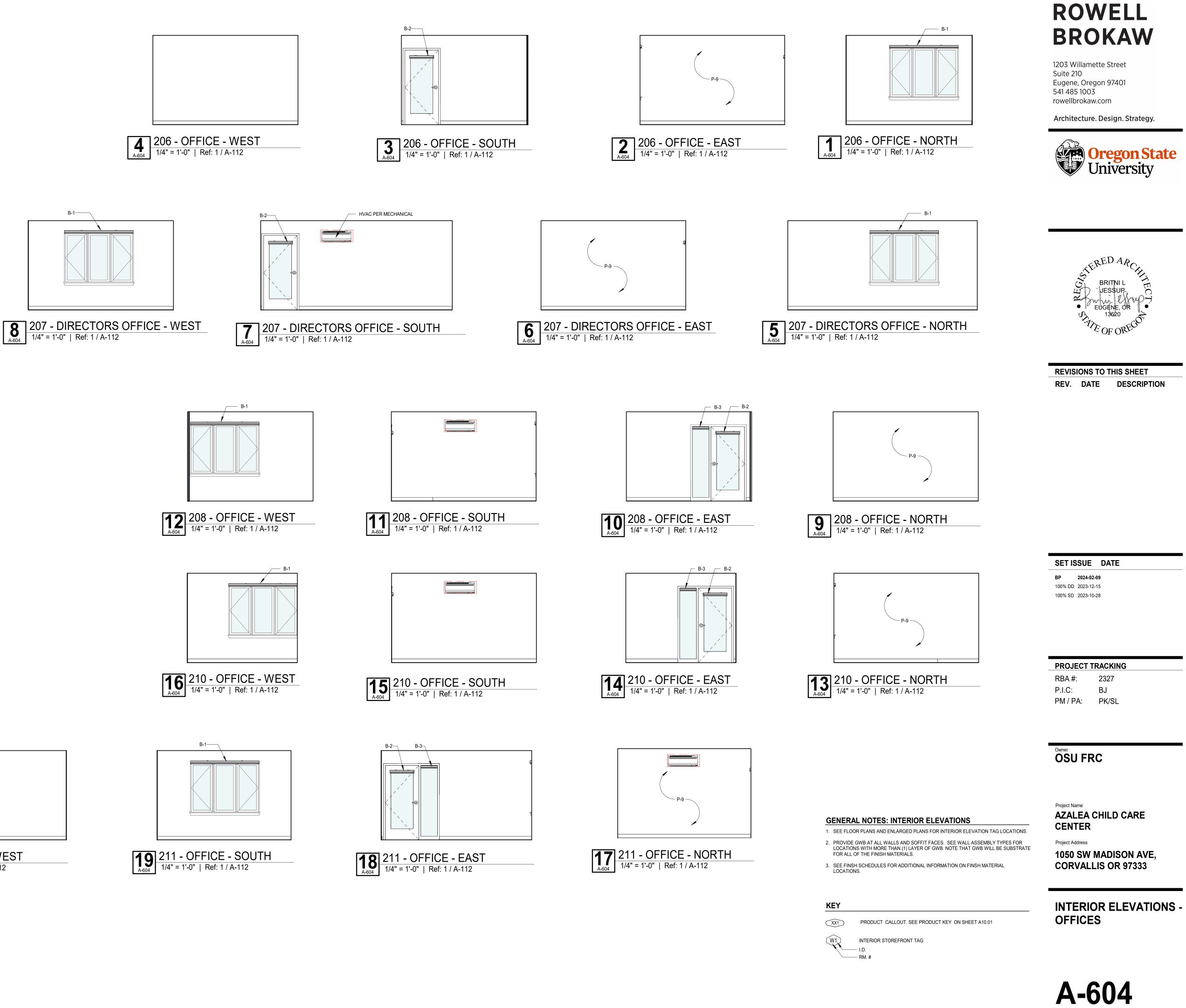


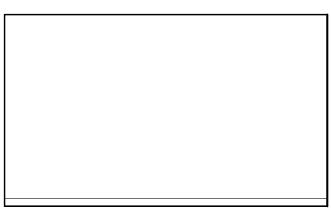




14 218 - PRE-SCHOOL RM - EAST 1/4" = 1'-0" | Ref: 1 / A-112

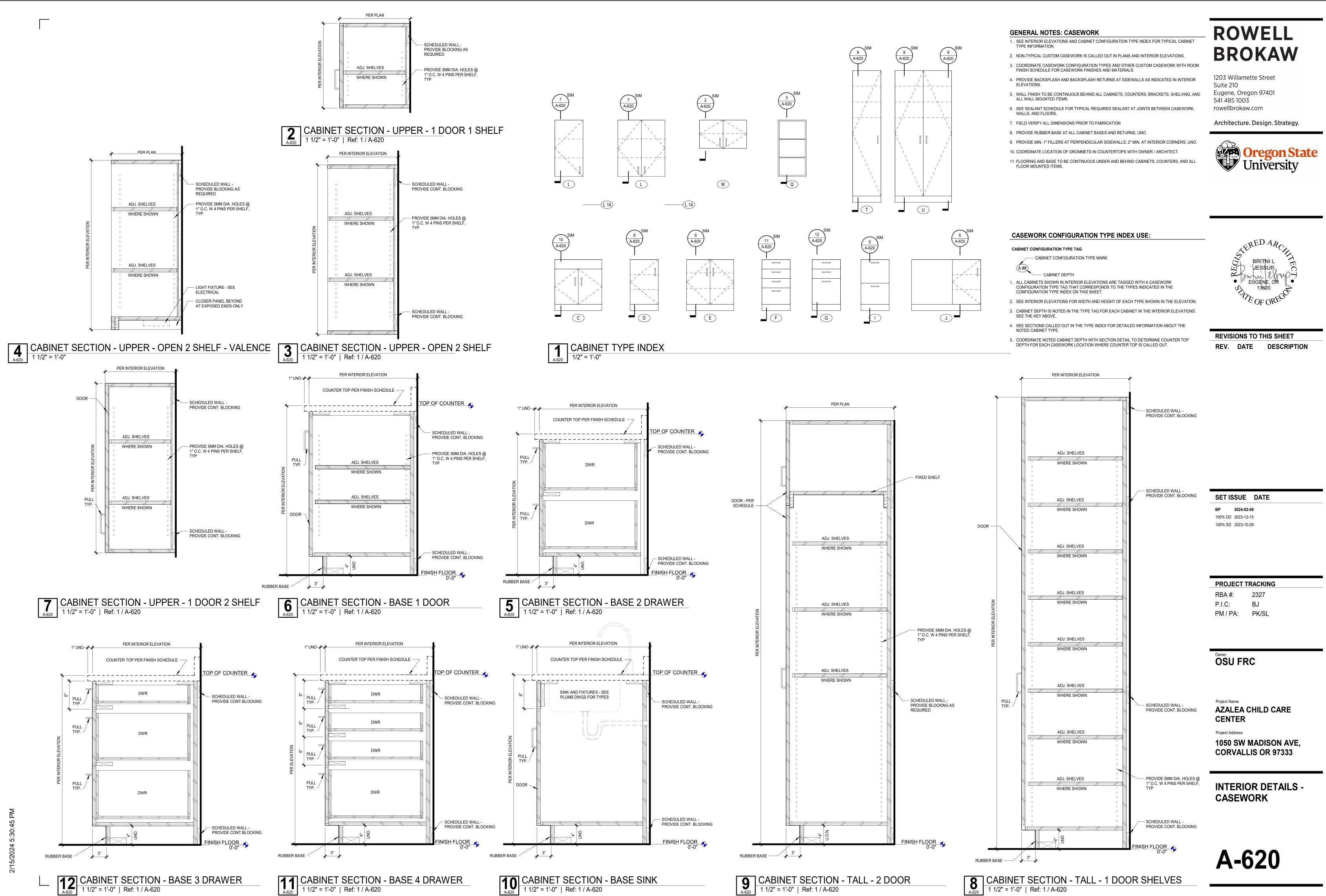


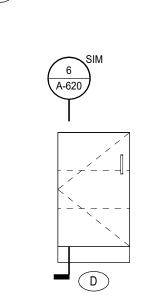


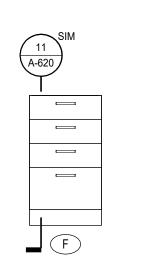


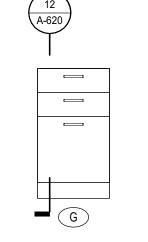
A-604 211 - OFFICE - WEST 1/4" = 1'-0" | Ref: 1 / A-112

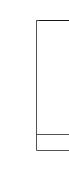


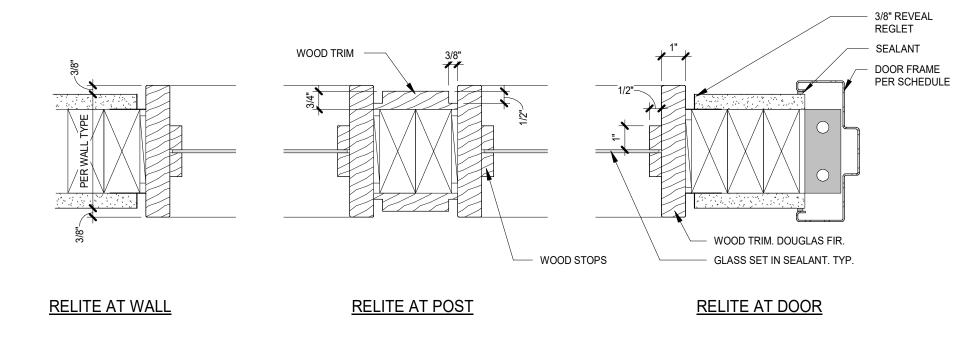




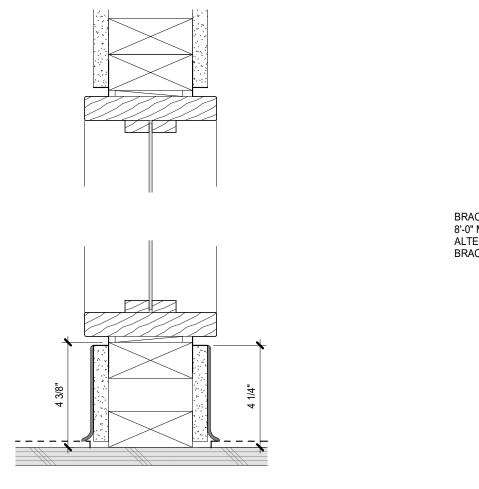




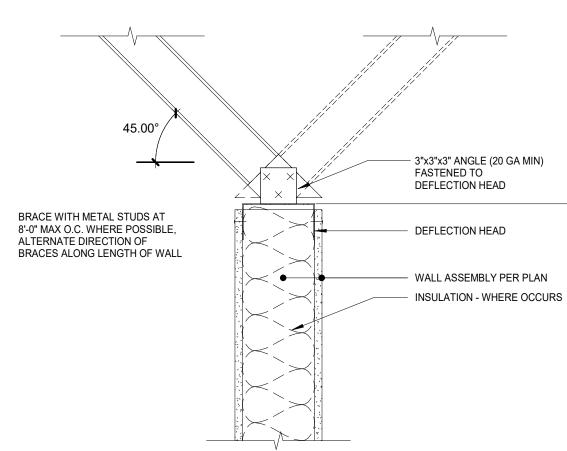




4 A-622 **PLAN - INTERIOR RELITE** 3" = 1'-0" | Ref: 1 / A-112











INTERIOR DETAILS

CENTER Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

Project Name
AZALEA CHILD CARE

Owner OSU FRC

2327 BJ P.I.C: PM / PA: PK/SL

PROJECT TRACKING

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BLOWN-IN INSULATION - (E) 2ND FLOOR SHEATHING AND TECTUM CLG FINISH - 2X BLOCKING BETWEEN JOISTS

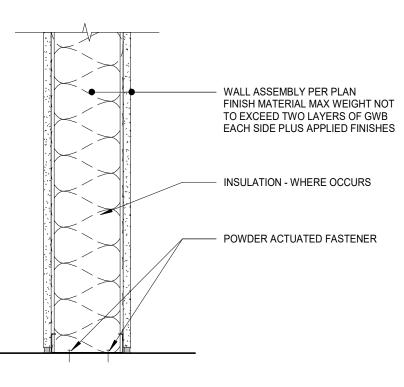
- GWB FINISH BETWEEN

JOISTS

RERED ARCS REGIS BRITNI L JESSUP • EUGENE, OR 13620 TE OF ORE

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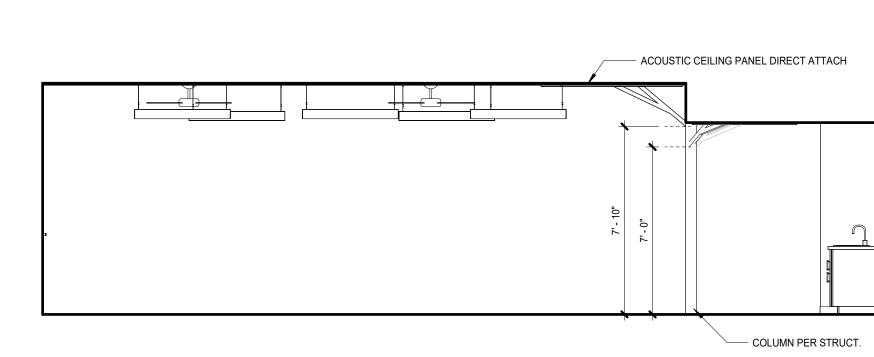
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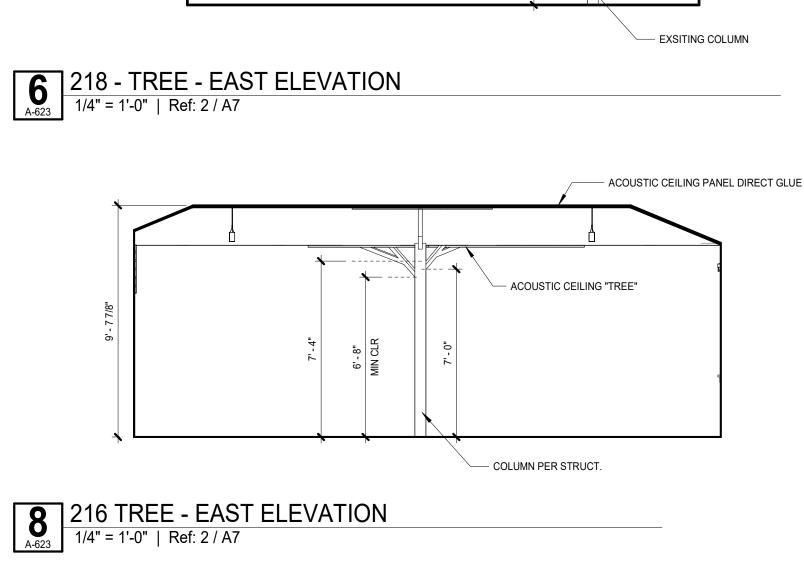


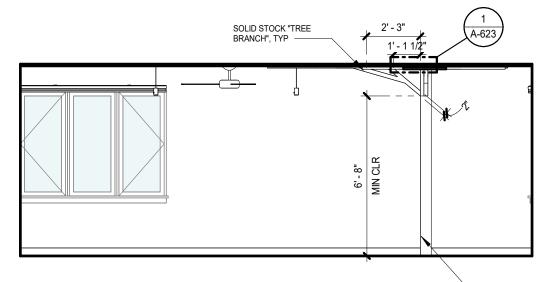


NON-RATED PARTITION AT FLOOR 1 1/2" = 1'-0"

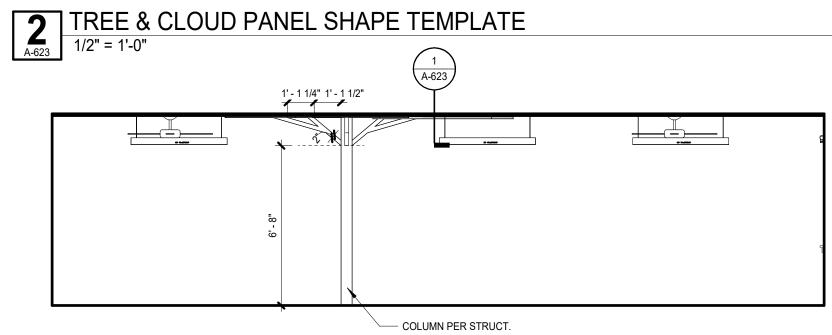


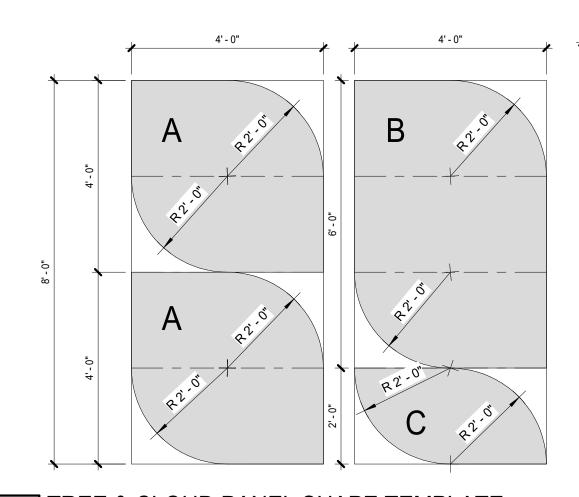


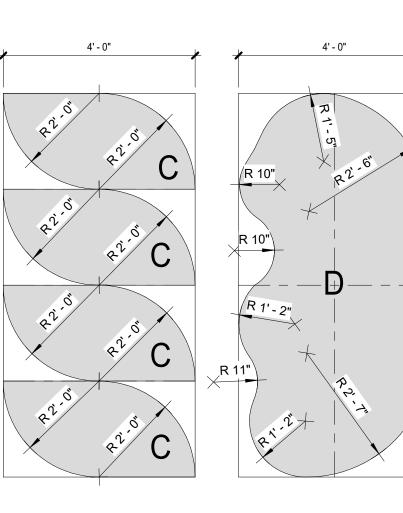


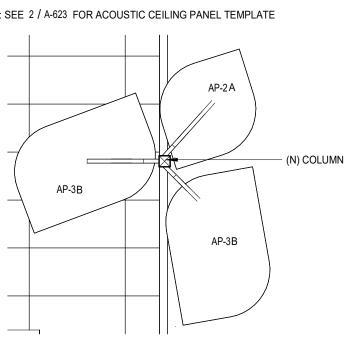








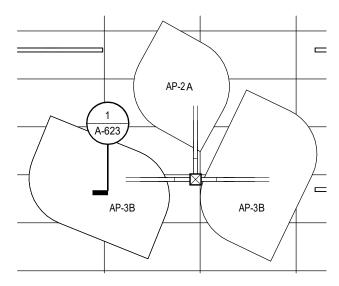




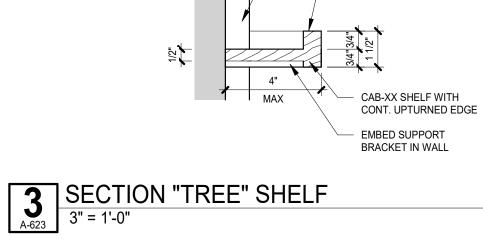
NOTE: SEE 2 / A-623 FOR ACOUSTIC CEILING PANEL TEMPLATE



2ND FLOOR RCP - 218 TREE 1/4" = 1'-0"



NOTE: SEE 2 / A-623 FOR ACOUSTIC CEILING PANEL TEMPLATE, TYP



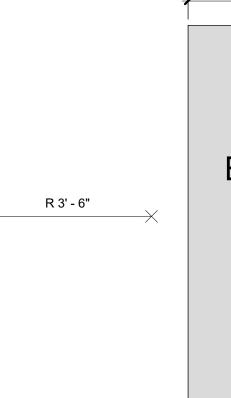
(E) WALL

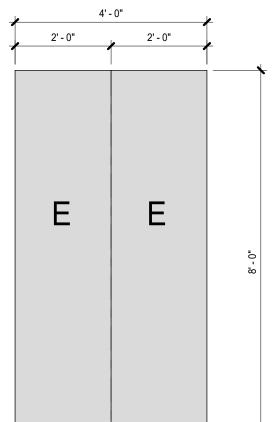
BEYOND

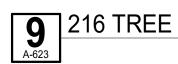
CAB-XX "TREE TRUNK"

EXPOSED EDGES, TYP

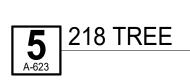
- PROVIDE EDGE .005 BAND TO MATCH AT

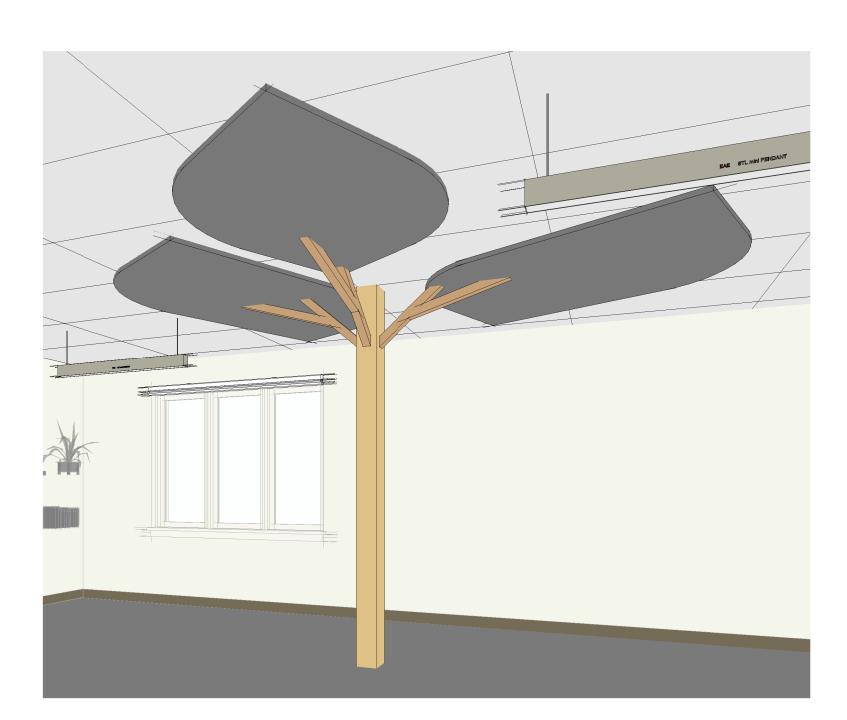


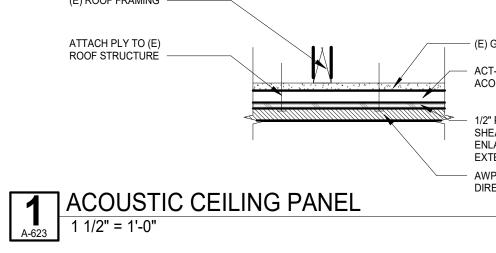


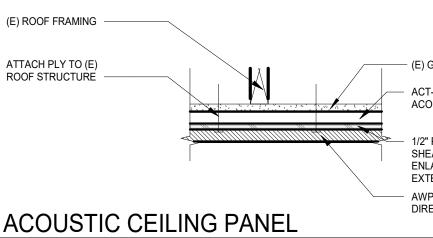












(E) GWB ACT-1, DIRECT APPLIED ACOUSTIC CEILING TILE

1/2" PLYWOOD SHEATHING, SEE ENLARGED RCO FOR EXTENTS - AWP (COLOR, SIZE AND SHAPE PER PLAN), DIRECT APPLY



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2327	
BJ	
PK/SL	
	2327 BJ

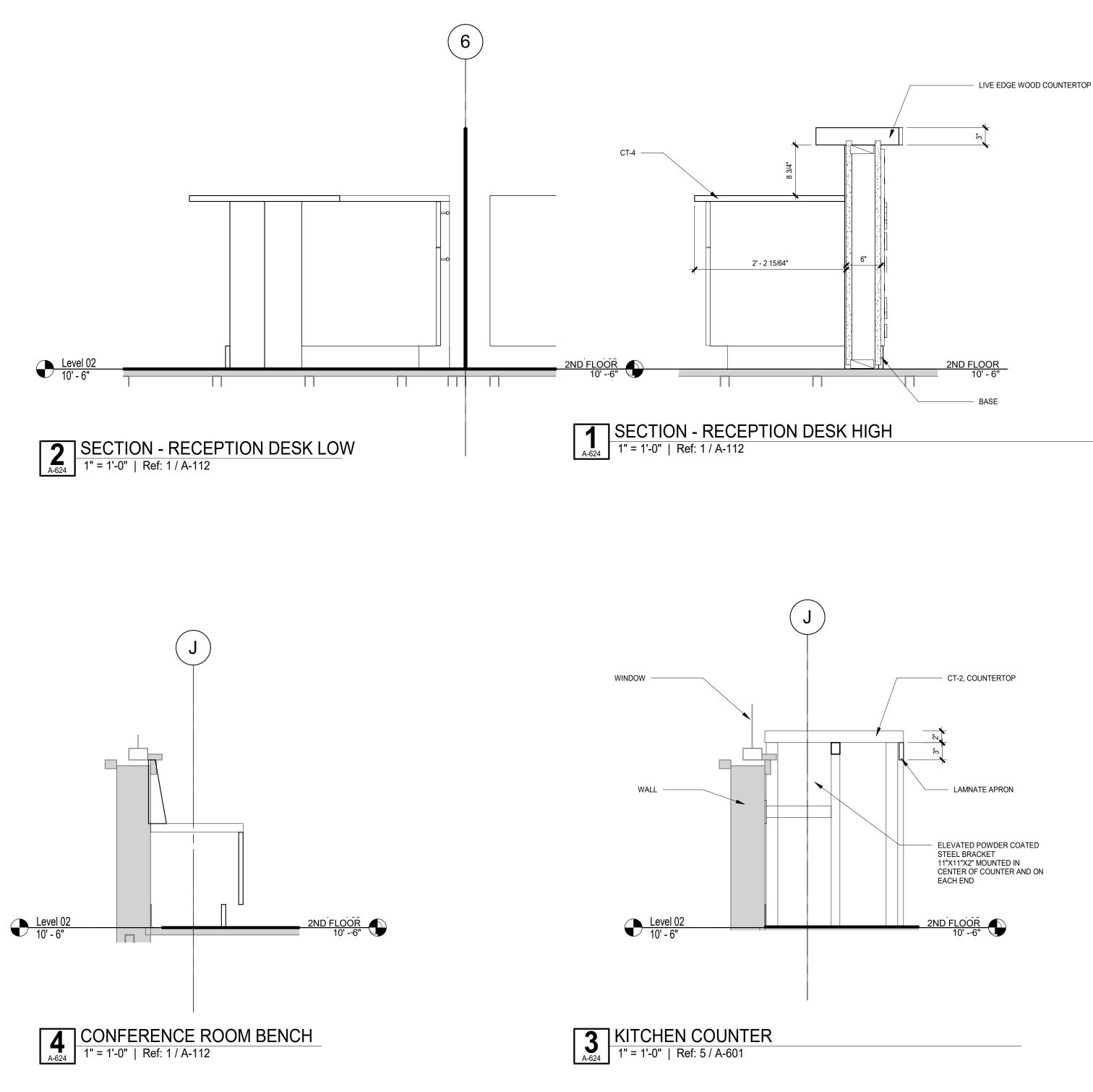
Owner OSU FRC

Project Name AZALEA CHILD CARE CENTER

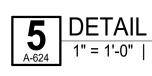
Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

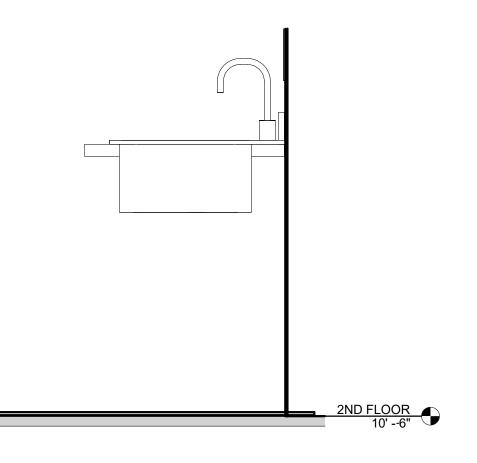
INTERIOR DETAILS -CUSTOM CASEWORK





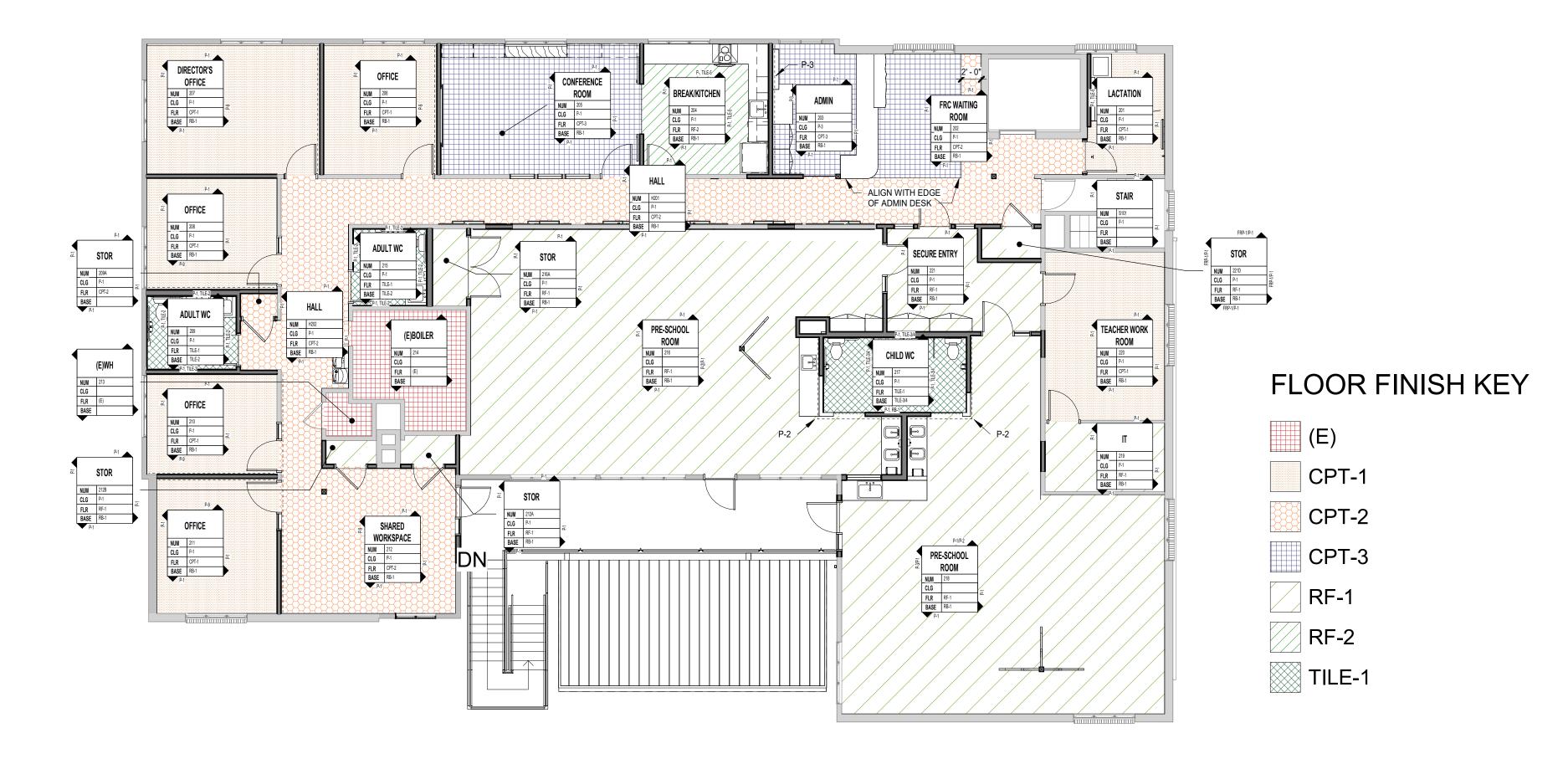


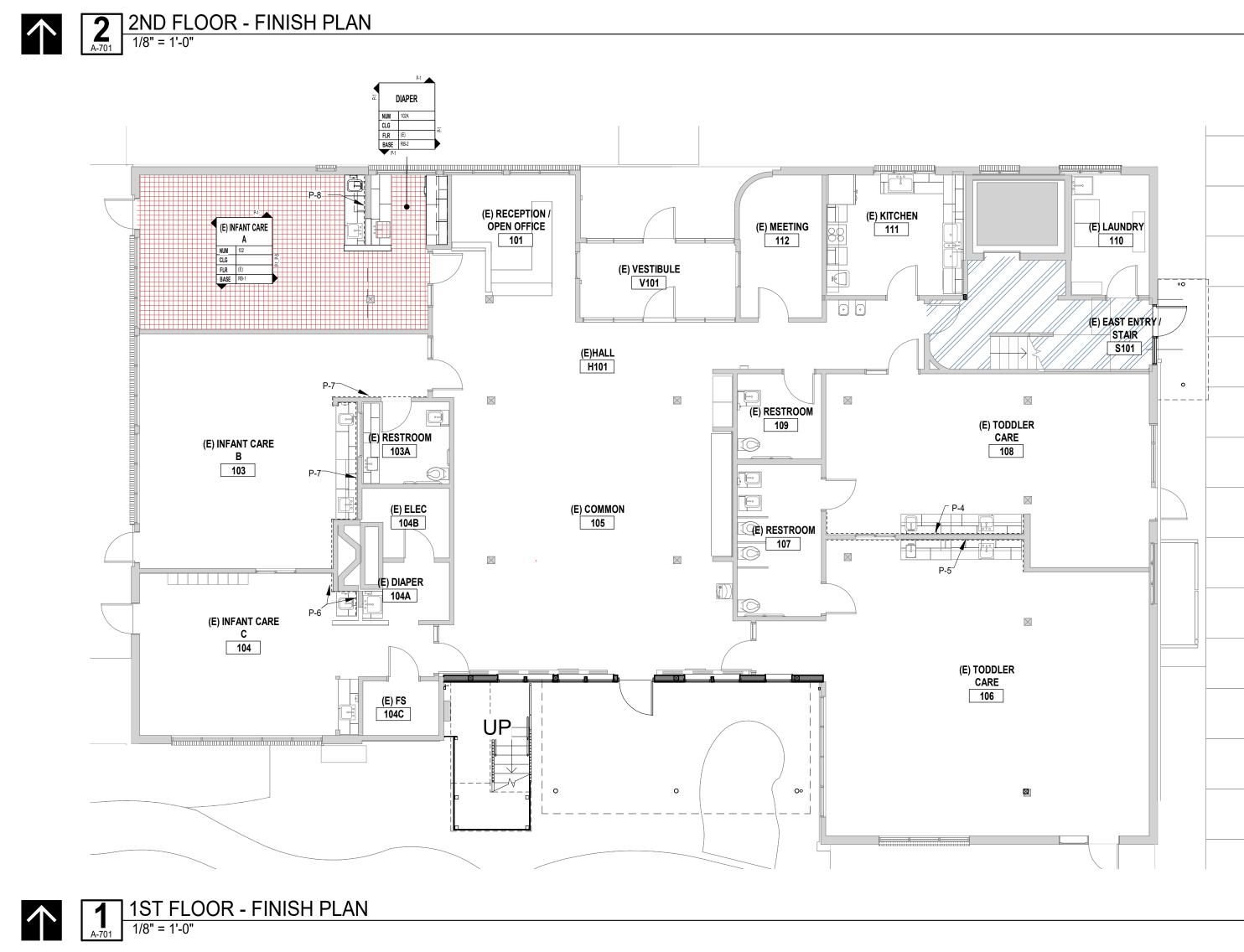












FLOOR FINISH KEY

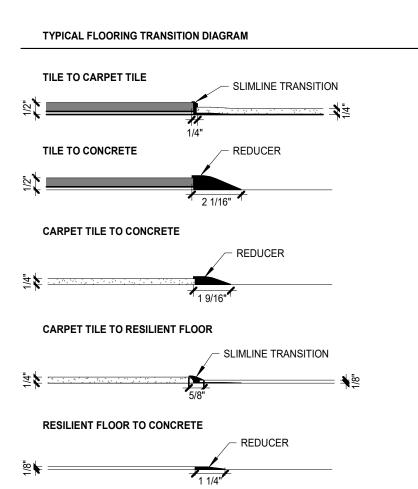
(E)

NOTE: CLEAN AND REPAIR ALL EXISTING FLOORING ON FIRST FLOOR, TYP. REPAINT ALL WALLS ON 1ST FLOOR. ALL WALLS TO BE P-1 U.N.O, SEE FINISH PLAN FOR ACCENT PAINT LOCATIONS AND COLORS.

GENERAL NOTES: FINISH PLANS

1. COORDINATE FINISHES NOTED IN SCHEDULE WITH PROPOSED ALTERNATES. SCHEDULE REPRESENTS BASE BID.

- PATTERNS SHOWN IN FINISH PLANS AND FLOOR TYPE KEY ARE REPRESENTATIVE. SEE SPECIFICATIONS FOR STYLE AND TYPE. FOR TILE ORIENTATION AND INSTALLATION METHOD SEE FINISH PLANS.
- 3. PAINT/REPAINT ALL NEW AND EXISTING FIRST AND SECOND FLOOR WALLS AND CEILINGS.
- 4. ALL WALLS TO RECIEVE FINISH.
- 5. SEE SPECIFICATIONS FOR PAINT SYSTEMS AND INTERIOR ELEVATIONS FOR PAINT COLORS.
- 6. COORDINATE WALK OFF MAT TO CARPET TRANSITION TO PROVIDE FOR FLUSH SURFACE
- 7. PROVIDE ALL TRANSITIONS BETWEEN MATERIAL TYPES
- WHERE FLOOR MATERIALS CHANGE BETWEEN ROOMS, MAKE TRANSITION AT CENTER LINE OF DOOR.
- 9. VERIFY ALL FLOOR TRANSITIONS MEET ADA REQUIREMENTS
- 10. MATCH NOTED COLORS TO SUBMITTED MANUFACTURERS PAINT COLORS.
- 11. CONCRETE UNDER FLOOR FINISHES TO RECEIVE TROWEL FINISH AND NO SEALERS. COORDINATE WITH FLOORING AND ADHESIVE MANUFACTURER'S RECOMMENDATIONS.





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Owner OSU FRC

Project Name AZALEA CHILD CARE CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

FINISH PLANS



DIV # SECTION	TAG II	MAGE	NAME	DESCRIPTION / GENERAL LOCATION	MANUFACTURER	STYLE	COLOR / FINISH	DIV # SECTION	TAG	IMAGE	NAME	DESCRIPTION / GENERAL LOCATION	MANUFACTURER	STYLE	COLOR / FINISH
DIVISION 06 - WOOD, PL	ASTICS	AND CON	IPOSITES					DIVISION 09 - FINISHES	I	-					
06 2000 FINISH CARPENTRY	WT-1		MDF WDW TRIM	MDF TRIM / WINDOW SILLS			P-1	09 3000 TILING	TILE-1		BATHROOM TILE FLOORING	RESTROOM FLOOR TILE	DALTILE	VOULUME 1.0 / 12X12	ELECTRIC MOSS
06 4023 INTERIOR ARCHITECTURAL WOOD	CAB-1		CUSTOM CASEWORK	HARDWOOD VENEER CASEWORK			MAPLE, CLR		GRT-1		TILE-1 GROUT		LATICRETE		90 LIGHT PEWTER
WORK	045.0								TILE-2	Œ	BATHROOM SUBWAY TILE	WAINSCOT WALL TILE, ADULT WC	MOSA	4X12	PLAIN WHITE UNBLEACHED / 1686
	CAB-2		CUSTOM CASEWORK	PLASTIC LAMINATE CASEWORK	WILSONART / LAMINART		9214-E NOCTURNAL BLUE		GRT-2		TILE-2 GROUT				ARCHITECT TO SELECT
	CAB-3		CUSTOM CASEWORK	SOLID WOOD CUSTOM "TREES"			MAPLE, CLR		TILE-3		WC SQUARE TILE	WALL TILE, CHILD WC	MOSA	6X6, SEE PATTERN ELEVATION FOR MIX	GOLDEN YELLOW/ 19950
	CAB-4	17	LIVE EDGE SOLID WOOD	LIVE EDGE COUNTERTOP / 203 ADMIN					TILE-4		WC SQUARE TILE	WALL TILE, CHILD WC	MOSA	6X6, SEE PATTERN ELEVATION FOR MIX	CORNSILK / 18950
06 4600 WOOD TRIM	WD-1		INTERIOR SOLID WOOD TRIM	PARTIAL HEIGHT WALL CAP, WINDOW TRIM PER DETAILS			MAPLE, CLR		GRT-3/4		TILE-3 / 4 GROUT				ARCHITECT TO SELECT
06 8200 FIBER REINFORCED PLASTIC	FRP-1		FIBER REINFORCED PLASTIC WALL COVERING	WAINSCOT AT STOR. CLOSET	CRANE COMPOSITES	PEBBLED	85 WHITE		TILE-5		SUBWAY TILE	BACKSPLASH TILE, BREAK, LACTATION	DALTILE	3x6 SUBWAY TILE, INSTALL 1/2 OFFSET	0190 ARCTIC WHITE
DIVISION07 - THERMAL	AND MOI								GRT-5		TILE-5 GROUT				ARCHITECT TO SELECT
07 7600 ROOF PAVERS		便理	WOOD PAVER TILES	EXTERIOR LANDING	BISON	IPE	CLEAR	09 6500 RESILIENT FLOORING	RF-1		MARMOLEUM	CLASSROOMS, IT CLOSET	FORBO	SHEET MARMOLEUM / MARBLED	3246 SHRIKE
DIVISION 08 - OPENINGS	;														
08 1113 HOLLOW METAL FRAMES			EXTERIOR HOLLOW METAL FRAME				XP-2		RF-2		LVT	BREAK/KITCHEN	MILLIKEN	MERGE FORWARD	HIG121 SUN KISSED HIGH GROUND
			INTERIOR HOLLOW METAL FRAME				MATCH ADJACENT WALL COLOR, TYP	RUBBER BASE	RB-1		RUBBER WALL BASE	THROUGHOUT, U.N.O.	ROPPE	4" RUBBER BASE	639 BEIGEWOOD
08 1416 FLUSH WOOD DOORS			WOOD DOOR PANELS	THROUGHOUT			MAPLE VENEER FINISH TO MATCH EXISTING	09 6813 TILE CARPETING	CPT-1		CARPET TILE	OFFICES	INTERFACE	OPEN AIR 415	107777 OAT
		-	BARN DOOR TRACK	CONFERENCE ROOM / BREAK	REAL CRAFT	INDUSTRIAL FLAT TRACK, 2 PANEL,	BLACK		CPT-2		CARPET TILE	HALLWAYS	INTERFACE	OPEN AIR 402	50 /50 MIX: 107693 OAT, 106740 NATURAL
				CONFERENCE ROOM / BREAK		MIDDLE OPENING	MAPLE VENEER		CPT-3		ACCENT CARPET TILE	ADMIN, CONFERENCE ROOM	INTERFACE	THIRD SPACE 302	107865 OAT
				ROOM		SNELLER GLAM									
08 8300 MIRRORS	MI-1		FULL LENGHTH MIRROR	LACTATION ROOM	MERCURY ROW	BATHROOM VANITY MIRROR 59"X20"	BLACK FRAME	09 8400 ACOUSTICAL ROOM COMPONENTS	AP-1		FSORB WALL / CEILING PANEL	ADMIN, CLASSROOMS	FSORB	2", SIZES PER ELEVATION	LIGHT BEIGE FS-300
	MI-2		VANITY MIRROR	ADULT RESTROOMS		SIZE PER ELEVATION	FRAMELESS		AP-2		FSORB TREE CLOUDS	ADMIN HALL, CLASSROOM "TREES"	FSORB	1/2" , SEE ELEVATIONS FOR CUTOUT DIMS	SEAFOAM GREEN FS-600
	MI-3		VANITY MIRROR	KID RESTROOMS	AZZURI	WALL MOUNT CIRCULAR FRAMED MIRROR, AVON-M24	MATTE BLACK					ADMIN HALL, CLASSROOM		1/2" , SEE	
									AP-3		FSORB TREE CLOUDS	"TREES"	FSORB	ELEVATIONS FOR CUTOUT DIMS	MOSS GREEN FS-60
									AP-4		FSORB TREE CLOUDS	ADMIN HALL, CLASSROOM "TREES"	FSORB	1/2" , SEE ELEVATIONS FOR CUTOUT DIMS	GREEN FS-540
									ACT-1		CEILING PANEL	CLASSROOMS	ARMSTRONG	LYRA 2 X 4, DIRECT APPLY	1" WHITE
								09 9123 INTERIOR PAINTING	P-1		INTERIOR PAINT	THROUGHOUT U.N.O	BENJAMIN MOORE		COTTON BALLS OC-122
									P-2		INTERIOR PAINT	ACCENT COLOR /218 & 216 PRE-SCHOOL	SHERWIN WILLIAMS		BEE SW 6683
									P-3		INTERIOR PAINT	ACCENT COLOR / 203 ADMIN	PPG		WALDEN POND 1159-4
									P-4		INTERIOR PAINT	REPAINT ACCENT COLOR /	SHERWIN		ROBUST ORANGE
									P-5		INTERIOR PAINT	108 TODDLER CARE REPAINT ACCENT COLOR /	PPG		6628 COPPER RIVER 119
												106 TODDLER CARE			SPRITE TWIST
									P-6		INTERIOR PAINT	104 INFANT CARE C	PPG		1226-3
									P-7		INTERIOR PAINT	REPAINT ACCENT COLOR / 103 INFANT CARE B	PPG		CURIOUS 1219
									P-8		INTERIOR PAINT	ACCENT COLOR / 102 INFANT CARE A	PPG		FRENCH VIOLET 1175-5
									P-9		INTERIOR PAINT	ACCENT COLOR / OFFICES	BENJAMIN MOORE		TO BE SELECTED B ARCHITECT
								09 9113 EXTERIOR PAINT	XP-1		BODY	EXTERIOR WOOD SIDING			"MEDIUM BLUE"
									XP-2		TRIM AND ACCENT COLOR	R EXTERIOR WOOD SIDING			"DARK BLUE"
									XP-3		RAILING	EXTERIOR WOOD SIDING, ACCENT			"BRICK RED"
									XP-4		RAILING	EXTERIOR METAL			"DARK GRAY"
														1	

DIV #	SECTION	TAG	IMAGE	NAME	DESCRIPTION / GENERAL LOCATION	MANUFACTURER	STYLE	COLOR / FINISH
DIVISIO	DN 10 - SPECIALT	IES			·			
10 1100	VISUAL DISPLAY BOARDS	TB-1		TACK BOARD	TACK BOARD / OFFICES			
10 2113	SOLID TOILET PARTITIONS	PAR		FIXED TOILET PARTITION	217 CHILD WC	BOBRICD	FORMICA LAMINATE	GOLD BRAZE 1193 / MATTE
	SOLID TOILET PARTITION DOOR	217-1, 217-2		OPERABLE PARTITION	217 CHILD WC	BOBRICK	FORMICA LAMINATE	GOLD BRAZE 1193 / MATTE
10 2601	WALL AND CORNER GUARDS	CG-1		CORNER GUARD	TBD			
10 2800	TOILET, BATH. AND LAUNDRY ACCESSORIES	TPD-1 TPD-3		TOILET PAPER DISPENSER				
		PTD-1		PAPER TOWEL DISPENSER				
		SD-1		SOAP DISPENSER				
		SND-1		SANITARY NAPKIN RECEPTICLE				
		SCD-1		SEAT COVER DISPENSER				
		GB		GRAB BAR	GB-18: 18" VERTICAL GB-36: 36" REAR GB-42: 42" SIDE			
10 5623				WIRE SHELVING	WIRE SHELVING / 220 TEACHERS WORK ROOM			
DIVISIC	ON 11 - EQUIPMEN	IT	1	Γ	Γ			
11 3013	APPLIANCES	RG-1		RANGE	205 BREAK / KITCHEN		PER SPEC	
		OVN-1		SINGLE OVEN	205 BREAK / KITCHEN		PER SPEC	
		DW-1		SANITIZING DISHWASHER	205 BREAK / KITCHEN		PER SPEC	
		REF-1		REFRIGERATOR	205 BREAK / KITCHEN		PER SPEC	
		REF-2		REFRIGERATOR	201 LACTATION		PER SPEC	
		HD-1		EXHAUST HOOD	205 BREAK / KITCHEN		PER SPEC	
		MW		MICROWAVE	201 LACTATION / 205 BREAK / KITCHEN		COUNTERTOP MICROWAVE	
		WF-1		WATER FOUNTIAN	H201 HALL		PER SPEC	
UIVISIC	ON 12 - FURNISHIN	NGS						
12 2000	WINDOW TREATMENTS	B-1		CELLULAR WINDOW SHADES	WINDOW BLINDS / AT EXTERIOR WINDOWS	NORMAN	PORTRAIT HONEYCOMB SHADES / 3/4" SINGLE / CORDLESS	LIGHT FILTERING
		B-2		CELLULAR WINDOW SHADES	INTERIOR WINDOW BLINDS / AT GLAZED INTERIOR DOORS	NORMAN	PORTRAIT HONEYCOMB SHADES / 3/4" SINGLE / CORDLESS	LIGHT FILTERING
		B-3		CELLULAR WINDOW SHADES	INTERIOR WINDOW BLINDS / AT SIDE LITES AND INTERIOR WINDOW GLAZING	NORMAN	PORTRAIT HONEYCOMB SHADES / 3/4" SINGLE / CORDLESS	LIGHT FILTERING
12 3600	COUNTERTOPS AND SURFACING	CT-1		RECYCLED GLASS SURFACE	201 LACTATION, 216 PRE-SCHOOL, 218 PRE-SCHOOL, ADULT WC, 205 BREAK/KITCHEN	CURAVA	POLISHED FINISH	SAVAII
		CT-2		RECYCLED GLASS SURFACE	102 INFANT CARE ROOM	GEOS		OCEAN SHELL
12 4813	ENTRANCE MATS	WO-1		WALK OFF MAT	WALK OFF MAT / S101 EAST ENTRY / STAIR	INTERFACE	STEP REPEAT SR999	КНАКІ
12 5219	UPHOLSTERED SEATING				UPHOLSTERY FOR BENCH SEAT / 206 CONFERENCE ROOM	STINSON	FORMATION	REGATTA 66597
DIVISIO	ON 22 - PLUMBING	3						
22 4000	PLUMBING FIXTURES				PER SPEC / WC			



1203 Willamette Street Suite 210 Eugene, Oregon 97401 541 485 1003 rowellbrokaw.com Architecture. Design. Strategy.
Oregon State University
BRITNI L BRITNI L JESSUP EUGENE, OR 13620 FOF ORFOOT
REVISIONS TO THIS SHEET REV. DATE DESCRIPTION
SET ISSUE DATE BP 2024-02-09 100% DD 2023-12-15 100% SD 2023-10-28
PROJECT TRACKINGRBA #:2327P.I.C:BJPM / PA:PK/SL
Owner OSU FRC Project Name AZALEA CHILD CARE CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

FINISH SCHEDULE

A-702

DRAWING INDEX			
		/2	100
DRAWING INDEX AND LIST OF ABBREVIATIONS		Х	X
GENERAL STRUCTURAL NOTES		X	X
GENERAL STRUCTURAL NOTES		X	X
SPECIAL INSPECTIONS		X	X
SPECIAL INSPECTIONS		X	X
FOUNDATION PLAN		X	X
2nd FLOOR FRAMING PLAN		X	Х
2ND FLOOR REFLECTED CEILING PLAN		Х	Х
CONCRETE DETAILS		X	X
DETAILS		Х	Х
DETAILS		-	Х
	/		

ISSUE LOG KEY:

S-001 S-002

S-003

S-004 S-005

S-121

S-122

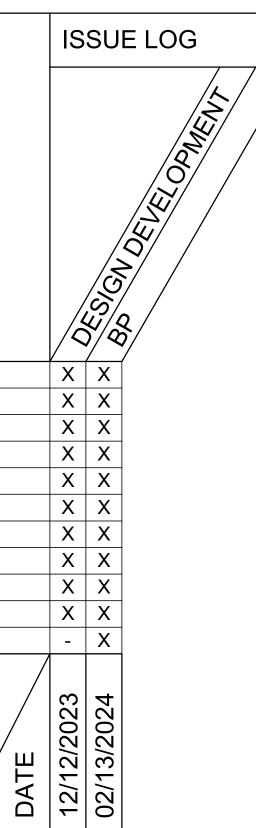
S-123

S-501

S-601

S-602

' X 'ISSUED AS PART OF A SET ' - ' NOT A PART OF ISSUED SET ' * ' FOR INFORMATION ONLY



LIST OF ABBREVIATIONS

A.B.	ANCHOR BOLT	GA.	GAUGE
ACI	AMERICAN CONCRETE INSTITUTE	GALV.	GALVANIZED
ADD'L.	ADDITIONAL	GL	GLULAM
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	HORIZ.	HORIZONTAL
AISC	AMERICAN INSTITUTE OF STEEL	HSS	HOLLOW STRUCTURAL STEEL
	CONSTRUCTION	IBC	INTERNATIONAL BUILDING CODE
ALT.	ALTERNATE	I.D.	INSIDE DIAMETER
ALUM.	ALUMINUM	IN.	INCHES
ARCH.	ARCHITECT / ARCHITECTURAL	INT.	INTERIOR
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	К	KIPS
ASD	ALLOWABLE STRENGTH DESIGN	KSF	KIPS PER SQUARE FOOT
AGD	LOAD LEVEL	KSI	KIPS PER SQUARE INCH
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LBS.	POUNDS
AWS	AMERICAN WELDING SOCIETY	L.L.	LIVE LOAD
BLDG.	BUILDING	LLH	LONG LEG HORIZONTAL
		LLV	LONG LEG VERTICAL
BOT.		LOC.	LOCATION
BRBF	BUCKLING RESTRAINED BRACED FRAME	LONG.	LONGITUDINAL
C.G.	CENTER OF GRAVITY	LSL	LAMINATED STRAND LUMBER
C.I.P.	CAST IN PLACE	LVF	LOW VELOCITY FASTENER
C.J.	CONTROL JOINT	LVL	LAMINATED VENEER LUMBER
C.J.P.	COMPLETE JOINT PENETRATION	MAX.	MAXIMUM
CL	CENTERLINE	MBMA	METAL BUILDING MANUFACTUREF ASSOCIATION
CLR.	CLEAR	MECH.	MECHANICAL
CLT	CROSS LAMINATED TIMBER	MEPF	MECHANICAL, ELECTRICAL, PLUM
CMU	CONCRETE MASONRY UNIT		AND FIRE SAFETY
COL.	COLUMN	MFR.	MANUFACTURER
CONC.	CONCRETE	MIN.	MINIMUM
CONN.	CONNECTION	MISC.	MISCELLANEOUS
CONST.	CONSTRUCTION	MPH	MILES PER HOUR
CONT.	CONTINUOUS	MPP	MASS PLYWOOD PANELS
db	BAR DIAMETER	MT	MAGNETIC PARTICLE TESTING
DBA	DEFORMED BAR ANCHOR	(N)	NEW
DET.	DETAIL	N.I.C.	NOT IN CONTRACT
DIA., Ø	DIAMETER	NLT	NAIL LAMINATED TIMBER
DIAG.	DIAGONAL	NOM.	NOMINAL
D.L.	DEAD LOAD	NO.	NUMBER
DLT	DOWEL LAMINATED TIMBER	N.T.S.	NOT TO SCALE
DWG.	DRAWING	0.C.	ON CENTER
ELEC.	ELECTRICAL	O.D.	OUTSIDE DIAMETER
EL.	ELEVATION	OPP.	OPPOSITE
EQ.	EQUAL	OSL	ORIENTED STRAND LUMBER
EXIST., (E)	EXISTING	OWJ	OPEN WEB JOIST
EXP.	EXPANSION	PAF	POWDER ACTUATED FASTENER
EXT.	EXTERIOR	PART.	PARTITION
FDN.	FOUNDATION	P/C	PRECAST
FIN.	FINISH	PCF	POUNDS PER CUBIC FOOT
FLR.	FLOOR	PERIM.	PERIMETER
FRT	FIRE RETARDANT TREATED	PL	PLATE
FT.	FOOT	PP	PARTIAL PENETRATION
FTG.	FOOTING		

RC	OWELL
BF	ROKAW
1203 W	/illamette Street

1203 Willamette Street Suite 210 Eugene, Oregon 97401 541 485 1003 rowellbrokaw.com

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REVISIONS TO THIS SHEET REV. DATE DESCRIPTION

SET ISSUE	DATE	
BP	2024-02-13	
100% DD	2023-12-15	
100% SD	2023-10-28	

PROJECT TRACKING		
RBA #:	2327	
P.I.C:	BJ	
PM / PA:	PK/SL	

Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

DRAWING INDEX AND LIST OF ABBREVIATIONS



	PSF	POUNDS PER SQUARE FOOT
	PSL	PARALLEL STRAND LUMBER
	PSI	POUNDS PER SQUARE INCH
	P/T	POST-TENSIONED
	P.T.	PRESSURE TREATED
DE	PVC	POLYVINYL CHLORIDE
	R, RAD.	RADIUS
	RCSC	RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS
	REF.	REFERENCE
	RET.	RETURN
	REINF.	REINFORCING
	REQ'D.	REQUIRED
	REQ'MTS.	REQUIREMENTS
	SCHED.	SCHEDULE
	S.C.	SLIP CRITICAL
	SCL	STRUCTURAL COMPOSITE LUMBER
	SIM.	SIMILAR
	SLFS	SEISMIC FORCE RESISTING SYSTEM
	S.O.G.	SLAB ON GRADE
	SPEC.	SPECIFICATION
	SQ.	SQUARE
	SS	STAINLESS STEEL
RERS	SSMA	STEEL STUD MANUFACTURERS ASSOCIATION
	STD.	STANDARD
UMBING	STRUCT.	STRUCTURAL
	SYM.	SYMMETRICAL
	THRU	THROUGH
	T&G	TONGUE AND GROOVE
	TRANS.	TRANSVERSE
	TS	LIGHT GAUGE TUBE STEEL
i	TYP.	TYPICAL
	U.N.O.	UNLESS NOTED OTHERWISE
	U.T.	ULTRASONIC TESTING
	ULT.	ULTIMATE STRENGTH DESIGN LOAD LEVEL
	VERT.	VERTICAL
	V.I.F.	VERIFY IN FIELD
	w/	WITH
	WF	WIDE FLANGE
	w/o	WITHOUT
	W.P.	WORK POINT
	WPS	WELDING PROCEDURE SPECIFICATION
_	WWF	WELDED WIRE FABRIC
R		

GENERAL

STRUCTURAL DRAWINGS ARE A PART OF THE CONTRACT DOCUMENTS AND ARE COMPLEMENTARY TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS, THE SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THE CONTRACT DOCUMENTS INTO THEIR SHOP DRAWINGS AND WORK. AS REQUIRED BY THE GENERAL CONDITIONS, THE CONTRACTOR SHALL PROMPTLY REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES, OR OMISSIONS IN THE CONTRACT DOCUMENTS DISCOVERED BY OR MADE KNOWN TO THE CONTRACTOR.

THE GENERAL STRUCTURAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. WHERE CONFLICT EXISTS, THE MORE STRINGENT OR RESTRICTIVE REQUIREMENT SHALL GOVERN UNITL CLARIFICATION IS REQUESTED.

CODE REQUIREMENTS:

CONFORM TO THE 2022 OREGON STRUCTURAL SPECIALTY CODE (OSSC), BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC).

TEMPORARY CONDITIONS:

THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES UNTIL COMPLETION.

CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

EXCAVATIONS SHALL NOT REDUCE THE VERTICAL OR LATERAL SUPPORT FOR ANY FOUNDATION OF THIS PROJECT OR ANY ADJACENT STRUCTURE WITHOUT FIRST UNDERPINNING OR PROTECTING THE FOUNDATION AGAINST DETRIMENTAL LATERAL AND/OR VERTICAL MOVEMENT.

EXISTING CONDITIONS:

ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

ASSUMED FUTURE CONSTRUCTION:

VERTICAL: NONE HORIZONTAL: NONE

DESIGN CRITERIA

DESIGN WAS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE OSSC. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS AND ALLOWABLES WERE USED FOR DESIGN, WITH LIVE LOADS (L.L.) REDUCED PER OSSC:

GRAVITY SYSTEM CRITERIA			
OCCUPANCY OR USE	UNIFORM LOAD	CONCENTRATED LOAD	
ROOF LIVE/SNOW LOAD	25 PSF L.L. (ALSO SEE SNOW LOAD CRITERIA BELOW)		
STAIRS AND LANDINGS	100 PS	SF L.L.	
	SNOW CRITERIA		
DESIGN ROOF SNOW LOAD	25 PSF MINIMUM IN ACC	CORDANCE WITH OSSC	
SNOW DRIFT	PER OSSC AS SH	HOWN ON PLANS	
GROUND SNOW LOAD	•	4 PSF TH: snowload.seao.org	
FLAT ROOF SNOW LOAD	Pf = 1	1 PSF	
SNOW EXPOSURE FACTOR	Ce =	= 1.0	
SNOW LOAD IMPORTANCE FACTOR		1.0	
THERMAL FACTOR	Ct =	= 1.0	
GEOTECHNICAL CRITERIA			
ALLOWABLE SOIL PRESSURE:	1500 PSF PER OS	SSC TABLE 1806.3	
	WIND CRITERIA		
RISK CATEGORY	II		
MAIN WIND FORCE RESISTING SYSTEM	V = 96 MPH BASIC DESIGN WIND SPEED (3-SECOND GUST)		
COMPONENTS AND CLADDING	V = 96 MPH BASIC DESIGN WIND SPEED (3-SECOND GUST)		
EXPOSURE CATEGORY	В		
GUST / INTERNAL PRESSURE	GCpi = +/- 0.18		
	SEISMIC CRITERIA		
RISK CATEGORY			
SEISMIC DESIGN CATEGORY D			
SITE CLASS	D		
IMPORTANCE FACTOR	IE = 1.00		
MAPPED MCE SPECTRAL	Ss = 0.879	S1 = 0.465	
ACCELERATION			
	Fa = 1.2	Fv = NA	
DESIGN SPECTRAL ACCELERATION	SDS = 0.703	SD1 = NA	
ANALYSIS PROCEDURE		PER ASCE 7-16, SECTION 12.8	
SEISMIC FORCE RESISTING SYSTEM	X DIRECTION (EAST / WEST) EXISTING EXTERIOR LIGHT FRAMED	Y DIRECTION (NORTH / SOUTH) EXISTING EXTERIOR LIGHT FRAMED	
(SFRS)	SHEAR WALLS (NO REVISIONS)	SHEAR WALLS (NO REVISIONS)	

STRUCTURAL OBSERVATIONS

THE STRUCTURAL ENGINEER OF RECORD (SEOR) WILL PERFORM STRUCTURAL OBSERVATIONS BASED ON THE REQUIREMENTS OF THE OSSC AT THE STAGES OF CONSTRUCTION LISTED BELOW. CONTRACTOR SHALL PROVIDE SUFFICIENT ADVANCED NOTICE AND ACCESS FOR THE SEOR TO PERFORM THESE OBSERVATIONS.

ITEM	COMMENTS
PRIOR TO FIRST CONCRETE POUR	AFTER REBAR PLACEMENT
DURING INITIAL WOOD FRAMING CONSTRUCTION	
AS REQUIRED TO ADDRESS STRUCTURAL ISSUES	

A FIELD REPORT WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOLLOWING EACH SITE VISIT.

STRUCTURAL OBSERVATION IS FOR THE GENERAL CONFORMANCE OF THE STRUCTURAL DRAWINGS AND DOES NOT ALLEVIATE ANY SPECIAL INSPECTION REQUIREMENTS.

SPECIAL INSPECTIONS AND TESTING

SPECIAL INSPECTION WILL BE PROVIDED BY THE OWNER BASED ON THE REQUIREMENTS OF THE OSSC AS SUMMARIZED IN THE SPECIAL INSPECTION AND TESTING PROGRAM ON SHEETS S004-S005. CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM THESE INSPECTIONS.

SUBMITTALS

SUBMIT SHOP DRAWINGS AND OTHER SUBMITTALS TO THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND CONSTRUCTION OF STRUCTURAL ITEMS. IF THE SUBMITTALS DIFFER FROM OR ADD TO THE STRUCTURAL CONTRACT DOCUMENTS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO REVIEW AND ACCEPTANCE BY THE SEOR.

FIELD ENGINEERED DETAILS DEVELOPED BY THE CONTRACTOR THAT DIFFER FROM OR ADD TO THE STRUCTURAL DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO CONSTRUCTION.

THE USE OF REPRODUCTIONS OR PHOTOCOPIES OF THE CONTRACT DRAWINGS SHALL NOT BE PERMITTED. WHEN CAD OR REVIT FILES ARE PROVIDED TO THE CONTRACTOR OR SUBCONTRACTORS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR/SUBCONTRACTOR TO REMOVE ALL INFORMATION NOT DIRECTLY RELEVANT TO THE SCOPE OF THE SUBMITTAL AS WELL AS ALL REFERENCES TO OUTSIDE SOURCE FILES.

DELEGATED DESIGN SUBMITTALS SHALL INCLUDE DESIGN DRAWINGS AND CALCULATIONS FOR ITEMS THAT ARE DESIGNED BY OTHERS. DELEGATED DESIGN SUBMITTALS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON ON EVERY DRAWING SHEET AND ON THE CALCULATION COVER SHEET, AND SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION. CALCULATIONS AND DETAILS SHALL BE INCLUDED FOR ALL CONNECTIONS TO THE STRUCTURE, CONSIDERING LOCALIZED EFFECTS ON STRUCTURAL ELEMENTS. DESIGN SHALL BE BASED ON THE REQUIREMENTS OF THE OSSC AND AS NOTED UNDER "DESIGN CRITERIA".

SUBMITTALS AND DELEGATED DESIGN SUBMITTALS SHALL INCLUDE THE FOLLOWING:

ITEM	SUBMITTAL	DELEGATED DESIGN SUBMITTAL	COMMENTS
CONCRETE MIX DESIGNS	Х		
CONCRETE REINFORCEMENT	Х		
CONCRETE ANCHORAGES	Х		
STRUCTURAL STEEL	Х		
STEEL FASTENERS	Х		
GLUE-LAMINATED MEMBERS	Х		
CURTAIN WALL, WINDOW WALL AND OTHER		Х	
CLADDING AND GLAZING SYSTEMS		^	
LADDERS, METAL STAIRS, AND HANDRAILS		Х	
MEPF SYSTEMS ANCHORAGE AND BRACING		X	REF. TABLE NOTE 1

TABLE NOTES:

- 1. THE CONTRACTOR SHALL COORDINATE SEISMIC RESTRAINTS OF MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE SAFETY EQUIPMENT AND ASSOCIATED DISTRIBUTION SYSTEMS WITH THE STRUCTURE. CONNECTIONS TO STRUCTURE AND PROVISIONS FOR SEISMIC MOVEMENTS SHALL CONFORM TO ASCE 7-16 CHAPTER 13, BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF OREGON, AND SHALL BE SUBMITTED TO THE ARCHITECT AND SEOR PRIOR TO FABRICATION. FOR RISK CATEGORY III AND IV BUILDINGS, THE SYSTEMS ENGINEER SHALL SPECIFY THE REQUIREMENTS FOR EQUIPMENT SEISMIC CERTIFICATION IN THE DEFERRED SUBMITTAL IN ACCORDANCE WITH OSSC SECTION 1705.12.6 AND ASCE 7-16 SECTION 13.2.
- 2. CONTRACTOR SHALL ENGAGE A PROFESSIONAL ENGINEER TO PREPARE AN ASSESSMENT OF ANY EXCAVATIONS THAT MAY REDUCE THE VERTICAL OR LATERAL SUPPORT OF AN EXISTING FOUNDATION AS REQUIRED BY OSSC SECTION 1803.5.7. THE ASSESSMENT SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND SHALL INCLUDE DETAILS AND SEQUENCING FOR CONSTRUCTION OF ANY UNDERPINNING OR BRACING THAT IS REQUIRED.
- 3. CONTRACTOR SHALL COORDINATE AND SHOW ALL REQUIRED PENETRATIONS, WITH DIMENSIONS FOR MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, TECHNOLOGY AND OTHER SERVICES ON A SINGLE DRAWING FOR REVIEW AT EACH SLAB/DECK, STRUCTURAL WALL AND/OR BEAM.

CONCRETE MIX DESIGNS

CONCRETE WORK SHALL CONFORM TO CHAPTER 19 OF THE OSSC. CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD CYLINDER TESTS PER ASTM C39. CONCRETE MIX TO BE DESIGNED AND PROPORTIONED BY THE CONTRACTOR IN ACCORDANCE WITH ACI 318-19 CHAPTER 26. ACI 301-16 CHAPTER 4 AND THE FOLLOWING INFORMATION:

CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH of 4,000 PSI AND A MAXIMUM WATER-CEMENT RATIO OF 0.45.

PORTLAND CEMENT CONTENT MAY BE REPLACED WITH FLY ASH CONFORMING TO ASTM C618 (INCLUDING TABLE 2A) TYPE F OR TYPE C, SLAG CEMENT CONFORMING TO ASTM C989, AND SILICA FUME CONFORMING TO ASTM C1240 PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY TEST DATA.

A WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494 USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS SHALL BE INCORPORATED IN CONCRETE MIX DESIGNS. A HIGH-RANGE WATER-REDUCING (HRWR) ADMIXTURE CONFORMING TO ASTM C494 TYPE F OR G MAY BE USED IN CONCRETE MIXES PROVIDING THAT THE SLUMP DOES NOT EXCEED 10".

THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS ALONG WITH TEST DATA COMPLIANT WITH ACI 301-16 AND ACI 318-19 A MINIMUM OF TWO WEEKS PRIOR TO PLACING CONCRETE. NO WATER MAY BE ADDED TO CONCRETE IN THE FIELD UNLESS SPECIFICALLY APPROVED IN WRITING BY THE CONCRETE SUPPLIER AND SEOR IN CONJUNCTION WITH THE CONCRETE MIX DESIGN.

CONCRETE REINFORCING STEEL

REINFORCEMENT SHALL BE ASTM A615 OR ASTM A706 GRADE 60 DEFORMED REINFORCING BARS ONLY.

ALL REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE. BARS IN BEAMS AND SLABS SHALL BE SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL OR PLASTIC CHAIRS, AS SPECIFIED BY THE CRSI MANUAL OF STANDARD PRACTICE, MSP-1. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI MNL-66 "ACI DETAILING MANUAL". SHOP DRAWINGS SHALL INCLUDE ELEVATIONS OF ALL BEAMS, WALLS AND COLUMNS SHOWING BAR LOCATIONS.

REINFORCING BARS SHALL NOT BE BENT OR STRAIGHTENED IN THE FIELD WITHOUT APPROVAL OF THE SEOR.

PROVIDE A MINIMUM OF 20" LAP SPLICE ON ALL #4 BARS AND 24" LAP SPLICE ON ALL #5 BARS.

REINFORCING STEEL SHALL HAVE PROTECTION AND SPACING AS FOLLOWS:

CONCRETE COVER			
USE	CLEAR COVER	MIN. CLEAR SPACING	
CONCRETE EXPOSED TO EARTH OR WEATHER	1-1/2" (#5 AND SMALLER)	2db OR 1"	
CONCRETE CAST AGAINST AND EXPOSED TO EARTH	3"	3db OR 1"	

POST-INSTALLED CONCRETE ANCHORS

POST-INSTALLED CONCRETE ANCHORS SHALL BE THE FOLLOWING PRODUCTS, U.N.O.:

TYPE

EXPANSION

CONCRETE SCR

ADHESIVE ANCHO

ANCHORS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND PRODUCT EVALUATION REPORTS. EMBEDMENTS SPECIFIED ON DRAWINGS ARE "EFFECTIVE" EMBEDMENTS. REFERENCE MANUFACTURER LITERATURE FOR CORRESPONDING ACTUAL EMBEDMENT DEPTHS. DO NOT CUT REINFORCING IN NEW OR EXISTING CONCRETE DURING INSTALLATION.

REQUESTS FOR ANCHOR SUBSTITUTIONS SHALL BE SUBMITTED TO THE SEOR IN WRITING ALONG WITH EVIDENCE OF EQUAL OR GREATER CAPACITY TO THE SPECIFIED CONNECTION.

INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED SHALL BE PERFORMED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER AS CERTIFIED THROUGH ACI/CRSI AND IN ACCORDANCE WITH ACI 318-19 SECTION 17.8.2.2. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE SEOR PRIOR TO INSTALLATION.

ALL-THREAD ROD FOR ADHESIVE ANCHORS SHALL CONFORM TO ASTM F1554 GRADE 55, U.N.O. ANCHORS EXPOSED TO EARTH OR WEATHER SHALL BE PROTECTED FROM CORROSION BY HOT-DIP GALVANIZING OR USE OF STAINLESS STEEL. PERMANENTLY EXPOSED EMBEDDED PLATES AND ANGLES SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION, U.N.O.

NO LOADS OR WELDS SHALL BE PLACED ON EMBEDDED PLATES OR ANGLES FOR A MINIMUM OF 7 DAYS AFTER CASTING. ADHESIVE ANCHORS SHALL NOT BE INSTALLED FOR A MINIMUM OF 21 DAYS AFTER CASTING CONCRETE IN ACCORDANCE WITH ACI 318-14 SECTION 17.1.2.

STRUCTURAL STEEL SHALL BE OF THE MATERIAL AND TYPE LISTED BELOW, U.N.O.:

STRUCTURAL STEEL		
SHAPE	MATERIAL GRADE	
WIDE FLANGE SHAPES	ASTM A992, GRADE 50	
HOLLOW STRUCTURAL SECTIONS (RECTANGULAR)	ASTM A500, GRADE C (Fy=50KSI)	
PLATES WHERE NOTED	ASTM A572, GRADE 50	
CHANNELS, PLATES AND ANGLES, U.N.O.	ASTM A36	

DESIGN, DETAILING, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE AISC 360, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" WITH "COMMENTARY" AND THE "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

BOLTS SHALL CONFORM TO THE ASTM AND RCSC SPECIFICATIONS FOR JOINTS USING HIGH STRENGTH BOLTS. BOLTS SHALL BE ASTM F3125 GRADE A325 AND GRADE A490 WHERE NOTED, AND SNUG-TIGHT UNLESS NOTED OTHERWISE.

WELDING SHALL CONFORM TO THE AWS CODES FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.1 AND APPROVED BY THE STRUCTURAL ENGINEER. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER-METAL MANUFACTURER.

WELDS SHALL BE MADE USING E70XX ELECTRODES AND SHALL BE 3/16" MINIMUM, UNLESS OTHERWISE NOTED. WELDING SHALL BE BY AWS CERTIFIED WELDERS.

NON-SHRINK GROUT USED UNDER BEARING AND BASE PLATES SHALL BE ASTM C 1107, FACTORY-PACKAGED, NONMETALLIC AGGREGATE GROUT, NONCORROSIVE, NONSTAINING, MIXED WITH WATER TO CONSISTENCY SUITABLE FOR APPLICATION AND A 30-MINUTE WORKING TIME. GROUT STRENGTH SHALL BE 8,000 PSI MINIMUM AT 28 DAYS.

GALVANIZING AND DUPLEX COATING

ALL STEEL EXPOSED TO WEATHER OR LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE HOT-DIP GALVANIZED UNLESS NOTED OTHERWISE IN PROJECT SPECIFICATIONS OR DRAWINGS. WHERE THESE ELEMENTS ARE ALSO EXPOSED TO VIEW THEY SHALL ADDITIONALLY BE PAINTED OR POWDER COATED PER SPECIFICATIONS AND ARCHITECTURAL DRAWINGS.

CONTRACTOR TO COMMUNICATE WITH GALVANIZER FOR THE PROJECT EARLY ON TO INFORM THE GALVANIZER THAT THE STEEL IS TO RECEIVE A DUPLEX COATING. HOT DIPPED GALVANIZED STEEL THAT IS TO BE PAINTED SHALL BE PREPARED PER ASTM D6386. HOT DIPPED GALVANIZED STEEL THAT IS TO BE POWDER COATED SHALL BE PREPARED PER ASTM D7803.

ALL GALVANIZED STEEL IS TO BE DETAILED TO BE SHOP WELDED AND FIELD BOLTED. WHERE FIELD WELDING IS REQUIRED DUE TO FIELD CONDITIONS, REPAIR DAMAGED GALVANIZED COATING WITH ZINC RICH PAINT PER ASTM A780 WITH EFFECTIVE THICKNESS EQUAL TO HOT-DIP GALVANIZED COATING.

	APPROVED ANCHORS
	HILTI KWIK BOLT TZ2 (ICC ESR-4266) HILTI KWIK BOLT 1 (IAPMO ER-678) SIMPSON STRONG-BOLT 2 (ICC ESR-3037) DEWALT POWER-STUD+ SD2 (ICC ESR-2502)
REW	HILTI KH-EZ (ICC ESR-3027) SIMPSON TITEN HD (ICC ESR-2713) DEWALT SCREW-BOLT+ (ICC ESR-3889)
IORS	HILTI HIT-HY 200 V3 (ICC ESR-4868) HILTI HIT-RE 500 V3 (ICC ESR-3814) SIMPSON SET-XP (ICC ESR-2508) SIMPSON SET-3G (ICC ESR-4057) DEWALT PURE110+ (ICC ESR-3298)

STRUCTURAL STEEL

STRUCTURAL STEEL

ROWELL BROKAW

1203 Willamette Street Suite 210 Eugene, Oregon 97401 541 485 1003 rowellbrokaw.com

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REVISIONS TO THIS SHEET REV. DATE DESCRIPTION

SET ISSUE	DATE
BP	2024-02-13
100% DD	2023-12-15
100% SD	2023-10-28

PROJECT TRACKING		
RBA #:	2327	
P.I.C:	BJ	
PM / PA:	PK/SL	

OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

GENERAL STRUCTURAL NOTES

SAWN LUMBER

SAWN LUMBER SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE CURRENTLY ACCEPTED NATIONAL DESIGN SPECIFICATION (NDS) DESIGN VALUES FOR WOOD CONSTRUCTION AND CONFORMING TO THE WEST COAST LUMBER INSPECTION BUREAU OR WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES. LUMBER SHALL BE THE SPECIES, GRADE, AND MOISTURE CONTENT NOTED BELOW, U.N.O.:

USE	SPECIES AND GRADE	MOISTURE CONTENT
LUMBER 2" TO 4" THICK x 5" OR WIDER (JOISTS/RAFTERS)	DOUGLAS FIR-LARCH NO. 2 & BTR	MC 15, KD
LUMBER 2" TO 3" THICK x 4" TO 6" WIDE (STUDS)	DOUGLAS FIR-LARCH STUD	S-DRY, MC 15, KD
LUMBER 5x5 AND GREATER (BEAMS)	DOUGLAS FIR-LARCH NO. 1	MC 15, KD, S-DRY
LUMBER 5x5 AND GREATER (POSTS)	DOUGLAS FIR-LARCH NO. 1	S-DRY
T&G DECKING	DOUGLAS FIR-LARCH COMMERCIAL DEX	S-DRY, MC 15, KD

ALL LUMBER IN CONTACT WITH CONCRETE OR CMU SHALL BE PRESERVATIVE TREATED, UNLESS AN APPROVED MOISTURE BARRIER IS PROVIDED.

CUTTING AND NOTCHING OF JOISTS AND STUDS SHALL CONFORM TO THE TYPICAL WOOD DETAILS PROVIDED OR OSSC SECTIONS 2308.4.2.4, 2308.5.9 AND 2308.7.4 WHERE NO DETAILS ARE SPECIFIED.

SALVAGED LUMBER IS ACCEPTABLE PROVIDED IT IS GRADED BY AN APPROVED GRADING AGENCY PRIOR TO USE AND MEETS A MINIMUM ALLOWABLE BENDING STRESS (Fb) OF 1,000 PSI. CONTRACTOR TO SUBMIT A GRADING REPORT ON EACH MEMBER TO THE ARCHITECT PRIOR TO INSTALLATION.

LUMBER FASTENERS AND ACCESSORIES

FRAMING ACCESSORIES INDICATED SHALL BE MANUFACTURED BY SIMPSON STRONG TIE (OR APPROVED EQUAL) AND OF THE SIZE AND TYPE SPECIFIED. ALL NAIL HOLES SHALL BE FILLED WITH STRUCTURAL FASTENERS, UNLESS NOTED OTHERWISE ON THE DRAWINGS AND FASTENERS SHALL BE INSTALLED FOLLOWING ALL MANUFACTURERS REQUIREMENTS. ACCESSORIES SHALL BE GALVANIZED UNLESS INDICATED OTHERWISE. PROVIDE G90 COATING EXCEPT WHERE IN CONTACT WITH PRESERVATIVE OR FIRE RETARDANT TREATED WOOD IN WHICH CASE G185 SHALL BE PROVIDED. SUBMIT SUBSTITUTION REQUESTS TO ARCHITECT FOR APPROVAL OUTLINING THE FRAMING ACCESSORIES BEING REPLACED AND THE SUBSTITUTED FRAMING ACCESSORIES. ALLOWABLE LOADS FOR THE SPECIFIED ACCESSORIES SHALL BE TABULATED ALONG WITH THE ALLOWABLE LOADS FOR THE SUBSTITUTED ACCESSORIES. SUBSTITUTION REQUESTS WILL ONLY BE APPROVED WHERE SUBSTITUTED PRODUCTS ARE CLEARLY DOCUMENTED TO HAVE EQUAL OR GREATER CAPACITY IN ALL DIRECTIONS.

ALL FRAMING NAILS SHALL BE THE SIZE AND QUANTITY INDICATED AND CONFORM TO ASTM F 1667, INCLUDING SUPPLEMENT 1, "STANDARD SPECIFICATION OF DRIVEN FASTENERS: NAILS, SPIKES, AND STAPLES" AND ICC-ES REPORT ESR-1539 "POWER-DRIVEN STAPLES AND NAILS". NAILS SHALL BE IDENTIFIED BY LABELS (ATTACHED TO THEIR CONTAINERS) THAT SHOW THE MANUFACTURER'S NAME AND ICC-ES REPORT NUMBER, NAIL SHANK DIAMETER AND LENGTH AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FRAMING. NAILING NOT SHOWN SHALL BE AS INDICATED IN OSSC TABLE 2304.10.1 OR ICC ESR-1539. THE FOLLOWING NAIL SIZES SHALL BE USED WITH THE NAIL LENGTH DETERMINED BY MINIMUM PENETRATION INTO FRAMING MEMBER:

FRAMING NAILS						
NAIL TYPE	SHANK DIAMETER (IN.)	MINIMUM PENETRATION INTO FRAMING MEMBER (IN.)				
6d	0.113	1.125				
8d	0.131	1.375				
10d	0.148	1.5				
12d	0.148	1.5				
16d	0.148, 0.162	1.5, 1.625				

BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1. ALL BOLTS AND LAG SCREWS SHALL BE INSTALLED WITH STANDARD CUT WASHERS.

WOOD STRUCTURAL PANELS

THE TERM "WOOD STRUCTURAL PANEL" REFERS TO A WOOD-BASED PANEL PRODUCT BONDED WITH A WATERPROOF ADHESIVE INCLUDING BOTH PLYWOOD AND ORIENTED STRAND BOARD (OSB). WOOD STRUCTURAL PANELS SHALL CONFORM TO U.S. DEPARTMENT OF COMMERCE VOLUNTARY PRODUCT STANDARDS PS1 OR PS2 FOR WOOD-BASED STRUCTURAL USE PANELS, OR APA PERFORMANCE STANDARD PRP-108 (ICC-ES ESR-2586). PANELS SHALL BE APA RATED SHEATHING OR APA RATED STURD-I-FLOOR, EXTERIOR OR EXPOSURE 1, OF THE THICKNESS AND SPAN RATING SHOWN ON THE DRAWINGS. PANELS SHALL BE STAMPED WITH THE APA TRADEMARK.

WOOD STRUCTURAL PANEL INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW 1/8" SPACING AT PANEL ENDS AND EDGES, UNLESS OTHERWISE INDICATED OR RECOMMENDED BY THE PANEL MANUFACTURER.

ALL ROOF SHEATHING AND FLOOR SHEATHING SHALL BE INSTALLED WITH FACE GRAIN OR STRENGTH AXIS PERPENDICULAR TO SUPPORTS, EXCEPT AS INDICATED ON THE DRAWINGS. ROOF SHEATHING SHALL EITHER BE BLOCKED, TONGUE-AND-GROOVE, OR HAVE EDGES SUPPORTED BY PLYCLIPS. WHERE BLOCKING IS SPECIFICALLY INDICATED ON THE DRAWINGS, T&G EDGES OR PLYCLIPS MAY NOT BE SUBSTITUTED. SHEATHING SHALL BE UNBLOCKED, EXCEPT AS INDICATED ON DRAWINGS. FLOOR SHEATHING SHALL BE FIELD GLUED TO THE FRAMING USING ADHESIVES MEETING APA SPECIFICATION AFG-01 OR ASTM D3498. TONGUE AND GROOVE PANELS SHALL ALSO BE GLUED AT THE T&G JOINT.

SHEAR WALL SHEATHING SHALL BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY AND BE BLOCKED WITH 2x FRAMING AT ALL PANEL EDGES. NAILING NOT SHOWN SHALL BE AS INDICATED IN OSSC TABLE 2304.10.1.

GLUED-LAMINATED MEMBERS

GLUED-LAMINATED (GLULAM) MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH CURRENT ANSI STANDARD A190.1, AMERICAN NATIONAL STANDARD FOR STRUCTURAL GLUED LAMINATED TIMBER OR OTHER CODE- APPROVED DESIGN, MANUFACTURING AND/OR QUALITY ASSURANCE PROCEDURES. EACH MEMBER SHALL BEAR AN AITC OR APA-EWS IDENTIFICATION MARK OR BE ACCOMPANIED BY A CERTIFICATE OF CONFORMANCE. APA-EWS MARKS TO BE PLACED ON SURFACES NOT EXPOSED IN COMPLETED CONSTRUCTION. ONE COAT OF END SEALER SHALL BE APPLIED IMMEDIATELY AFTER TRIMMING IN EITHER THE SHOP OR IN THE FIELD.

GLULAM MEMBERS SHALL BE INDUSTRIAL (HIDDEN) APPEARANCE CLASSIFICATION, REFERENCE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

GLULAM MEMBERS SHALL BE OF MINIMUM ALLOWABLE DESIGN PROPERTIES AS ESTABLISHED BY ASTM D3737:

GLUED-LAMINATED BEAMS							
COMBINATION SYMBOL (SPECIES)	FLEXURAL STRESS, Fb (PSI)	HORIZONTAL SHEAR STRESS Fv (PSI)	COMPRESSION STRESS PERP TO GRAIN Fc,perp (PSI)	MODULUS OF ELASTICITY (PSI)			
24F-V4 (DF/DF) (SIMPLE SPAN)	+2,400 / -1,850	265	650	1,800,000			
24F-V8 (DF/DF) (CONTINUOUS OR CANTILEVER)	2,400	265	650	1,800,000			

REFERENCE SPECIFICATIONS FOR FABRICATION AND MILLING TOLERANCES FOR TIMBER SIZES, HOLES, AND CONNECTIONS. CONNECTIONS SHALL BE SHOP FABRICATED TO GREATEST EXTENT INCLUDING CUTTING TO LENGTH AND DRILLING HOLES.

NOTCHES, DAPS, HOLES, ETC. SHALL BE REPRESENTED ON SHOP DRAWINGS FOR REVIEW BY SEOR. FIELD NOTCHING AND BORING OF GLULAM MEMBERS IS NOT ALLOWED UNLESS APPROVED BY SEOR.

GLULAM PRODUCTS SHALL CONTAIN AVERAGE MOISTURE CONTENT OF 16% OR LESS AT TIME OF MANUFACTURE. REFERENCE SPECIFICATIONS FOR ALLOWED DIMENSIONAL TOLERANCES AT TIME OF MANUFACTURE.

3x TONGUE-AND-GROOVE DECKING

TONGUE-AND-GROOVE DECK SHALL SPAN BETWEEN SUPPORTS. FOR 2-SPAN CONDITION, DECKING MAY HAVE A JOINT ALIGNED OVER THE MIDDLE SUPPORT. WHERE DECKING OVERHANGS A SUPPORT, NO JOINT IS PERMITTED.

DECKING SHALL BE INSTALLED WITH TONGUES UP ON SLOPED OR PITCHED ROOFS AND WITH PATTERN FACES DOWN. EACH PIECE SHALL BE TOE NAILED THROUGH THE TONGUE AT EACH SUPPORT WITH ONE 40d COMMON NAIL AND FACE NAILED AT EACH SUPPORT WITH ONE 60d COMMON NAIL. COURSES SHALL BE SPIKED TO EACH OTHER WITH 8 INCH SPIKES AT INTERVALS NOT EXCEEDING 30 INCHES THROUGH PREDRILLED EDGE HOLES AND WITH ONE SPIKE AT A DISTANCE NOT EXCEEDING 10 INCHES FROM EACH END OF EACH PIECE.



1203 Willamette Street Suite 210 Eugene, Oregon 97401 541 485 1003 rowellbrokaw.com

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REVISIONS TO THIS SHEET REV. DATE DESCRIPTION

SET ISSUE	DATE
BP	2024-02-13
100% DD	2023-12-15
100% SD	2023-10-28

PROJECT TRACKING					
RBA #:	2327				
P.I.C:	BJ				
PM / PA:	PK/SL				

OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

GENERAL STRUCTURAL NOTES

S-003

STATEMENT OF SPECIAL INSPECTION NOTES: SPECIAL INSPECTIONS SHALL CONFORM TO SECTION 1705 OF THE 2019 OSSC, CONTRACT DOCUMENTS AND APPROVED 1 REFER TO SPECIAL INSPECTION AND TESTING TABLES FOR PROJECT REQUIREMENTS. 2. SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED ACCREDITED INDEPENDENT THE REQUIREMENTS OF ASTM E329 (MATERIALS). THE INSPECTION AND TESTING AGENCY SHALL FURNISH TO THE STRU AND ARCHITECT A COPY OF THEIR SCOPE OF ACCREDITATION. SPECIAL INSPECTORS SHALL BE APPROVED BY THE BUIL WELDING INSPECTORS SHALL BE QUALIFIED PER SECTION 6.1.4.1(1) OF AWS D1.1. THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN TH 3 REPORTS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, STR 4. ENGINEER, ARCHITECT, CONTRACTOR, AND OWNER. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTIO THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED. QUALITY ASSURANCE (QA) IS REQUIRED FOR STRUCTURAL STEEL ITEMS PER AISC 360 AND 341 UNLESS SPECIFICALLY NO QUALITY CONTROL (QC) TO BE PROVIDED BY THE FABRICATOR, ERECTOR OR OTHER RESPONSIBLE CONTRACTOR AS AF CONTRACTOR AND SPECIAL INSPECTOR TO DOCUMENT QUALITY CONTROL AS REQUIRED IN AISC 360 SECTION N3 AND A **INSPECTION TYPES:**

CONTINUOUS : THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSP PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC : THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROV

INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLE WORK.

OBSERVE : OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY BASIS. OPERATIONS NEED NOT BE DELAYED PENDING OB PERFORM : INSPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM.

- PERFORM INSPECTION PRIOR TO FINAL ACCEPTANCE OF THE ITEM FOR TEN WELDS TO BE MADE BY A GIVEN WELDER, V DEMONSTRATING UNDERSTANDING OF REQUIREMENTS AND POSSESSION OF SKILLS AND TOOLS TO VERIFY THESE ITEM DESIGNATION OF THIS TASK SHALL BE REDUCED TO OBSERVE, AND THE WELDER SHALL PERFORM THIS TASK. SHOULD DETERMINE THAT THE WELDER HAS DISCONTINUED PERFORMANCE OF THIS TASK, THE TASK SHALL BE RETURNED TO F SUCH TIME AS THE INSPECTOR HAS RE-ESTABLISHED ADEQUATE ASSURANCE THAT THE WELDER WILL PERFORM THE IN LISTED.
- SPECIAL INSPECTION OF MECHANICAL POST INSTALLED ANCHORS SHALL BE IN STRICT CONFORMANCE WITH THE ICC RE MANUFACTURER'S INSTALLATION REQUIREMENTS. ANCHOR INSTALLERS SHALL BE QUALIFIED AS REQUIRED BY JURISDI REQUIREMENTS.
- INSPECTION REPORTS SHALL IDENTIFY NAMES OF INSTALLERS.
- SPECIAL INSPECTOR SHALL PROVIDE DOCUMENTATION AT THE END OF ANCHOR INSTALLATIONS STATING THAT THE ANG • INSPECTED PER APPROVED ANCHOR EVALUATION REPORT.

TESTING ABBREVIATIONS: 9

NDT - NON-DESTRUCTIVE TESTING

	GEN	ERAL - SPECIAL I	NSPECTIONS		
	OSSC CODE	CODE OR STANDARD	FREQUENCY (NOTE 6)		
SYSTEM OR MATERIAL	REFERENCE	REFERENCE	CONTINUOUS	PERIODIC	
FABRICATORS	1705.10 1704.2.5				
DEFERRED SUBMITTALS				Х	
SUBMITTALS TO THE BUILDING OFFICIAL	1704.5			х	
POST INSTALLED MECHANICAL ANCHORS AND ADHESIVE ANCHORS (EXCLUDING CONDITIONS NOTED ABOVE) IN HARDENED CONCRETE AND COMPLETED MASONRY				х	

	SOILS/GEOT	FECHNICAL - SPI	ECIAL INSPECT	IONS
	OSSC CODE	CODE OR	FREQUENCY (NOTE 6)	
SYSTEM OR MATERIAL	REFERENCE	STANDARDS REFERENCE	CONTINUOUS	PERIODIC
		SOILS		
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY				х
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL				х
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	1705.6	GEOTECHNICAL		х
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL		REPORT	Х	
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY				х

SOIL SUGEOTECHNICAL - TESTING

	OSSC CODE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		
SYSTEM OR MATERIAL	REFERENCE		CONTINUOUS	PERIODIC	REMARKS
FILL IN-PLACE DENSITY OR PREPARED SUBGRADE DENSITY	1705.6	VARIES; GEOTECHNICAL REPORT OR MINIMUM PER OSSC APPENDIX J107.5, WHICHEVER IS GREATER			BY THE GEOTECHNICAL ENGINEER OR QUALIFIED SPECIAL INSPECTOR
MATERIAL VERIFICATION		VARIES; CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS			BY THE GEOTECHNICAL ENGINEER OR QUALIFIED SPECIAL INSPECTOR
TEST ELEMENTS	1705.6 1705.7		REFERENCE SPE FOR PERFOF VARIFICATION AND TESTING REQU	RMANCE PROOF LOAD	BY THE GEOTECHNICAL ENGINEER

CONCRETE - SPECIAL INSPECTIONS							
	OSSC CODE	CODE OR	FREQUENCY	(NOTE 6)			
SYSTEM OR MATERIAL	REFERENCE	STANDARD REFERENCE	CONTINUOUS	PERIODIC	REMARKS		
GENERAL	1705.3 1901.6	ACI 318: 26.13			SPECIAL INSPECTIONS OF CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1705.3 OF THE IBC AND SECTION 26.13 OF ACI 318.		
REINFORCING STEELPLACEMENT	1901.5.2	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3, 26.13.3.3		x	REINFORCING TO COMPLY WITH ALL CODE PROTECTION, SPACING AND TOLERANCE LIMITS.		
INSPECT ANCHORS/BOLTS CAST IN CONCRETE	-	ACI 318: 17.8.2	х	х	ALL CAST-IN-PLACE ANCHORS/BOLTS SHALL BE VISUALLY INSPECTED. REFERENCE STEEL INSPECTIONS FOR ADDITIONAL INSTALLATION, MATERIAL AND WELDING INSPECTIONS OF STEEL ITEMS EMBEDDED IN CONCRETE (HEADED STUDS, DBA's, ETC.)		
VERIFYING USE OF REQUIRED MIX DESIGN(S)	1904.1 1904.2 1908.2 1908.3	ACI 318: CH. 19, 26.4.3, 26.4.4		х			
CONCRETE SPECIMENS FOR TESTING	1908.10	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	х		PRIOR TO CONCRETE PLACEMENT, FABRICATE CONCRETE SPECIMENS FOR TESTING. SEE THE CONCRETE TESTING TABLE FOR ADDITIONAL INFORMATION.		
CONCRETE PLACEMENT	1908.6, 1908.7, 1908.8	ACI 318: 26.5, 26.13.3.2(a)	х				
CONCRETE CURING	1908.9	ACI 318: 26.5.3 - 26.5.5, 26.13.3.3		х	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES		
VERIFICATION OF FORMWORK		ACI 318: 26.11.1.2(b), 26.13.3.3		x	SPECIAL INSPECTIONS APPLY TO SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		
EMBEDDED ITEMS IN CONCRETE				х	ALL NON-STRUCTURAL EMBEDDED ITEMS, SUCH AS CONDUITS, PIPES AND SLEEVES, SHALL BE REVIEWED FOR CONFORMANCE WITH STRUCTURAL DOCUMENTS FOR SIZE, SPACING, LOCATION, EDGE DISTANCE AND TRIM REINFORCING.		

CONCRETE - TESTING						
SYSTEM OR MATERIAL	OSSC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)	REMARKS		
CONCRETE STRENGTH	1705.3	ASTM C39				
CONCRETE SLUMP	ASTM C172	ASTM C143	EACH 150 CY NOR LESS THAN	FABRICATE SPECIMENS AT TIME FRESH CONCRETE		
CONCRETE AIR CONTENT	ASTM C 31 ACI 318 26.12 ACI 318 26.5	ASTM C231	EACH 5000 SF OF SLAB OR WALL PLACED EACH SHIFT	IS PLACED		
CONCRETE TEMPERATURE		ASTM C1064				

S	UBMITTALS.
UC	AGENCY MEETING TURAL ENGINEER NING OFFICIAL.
	N DOCUMENTS. INSPECTION
ΤS	JCTURAL STATING THAT THE I DOCUMENTS AND
PP	TED OTHERWISE. LICABLE. SC 341 SECTION J2.
SPI	ECTOR WHO IS
	D SPECIAL TON OF THE
35	ERVATIONS.
MS TH PE	TH THE WELDER 6, THE PERFORM HE INSPECTOR RFORM UNTIL SPECTION TASKS
	PORT AND FION
ICF	HORS WERE
1	
_	REMARKS
	SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS SHALL BE PERFORMED DURING FABRICATION. PERFORMING SPECIAL INSPECTIONS IS NOT REQUIRED, WHERE FABRICATOR HAS BEEN APPROVED AS AN APPROVED FABRICATOR, PER SECTION 1704.2.5.1.
	SPECIAL INSPECTION REQUIREMENTS FOR DEFERRED SUBMITTAL ITEMS, INCLUDING REQUIREMENTS FOR DESIGNATED SEISMIC SYSTEMS IN ACCORDANCE WITH OSSC SECTION 1705.12.4 IF APPLICABLE, TO BE SPECIFIED BY THE SYSTEM ENGINEER AND INCLUDED WITH DEFERREI SUBMITAL DOCUMENTS.
	CERTIFICATES OF COMPLIANCE, REPORTS OF PRE- CONSTRUCTION TESTS, OR REPORTS OF MATERIAL PROPERTIES SHALL BE SUBMITTED TO THE BUILDING OFFICIAL.

REMARKS

BY THE GEOTECHNICAL ENGINEER OR QUALIFIED SPECIAL INSPECTOR



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BP	2024-02-13
100% DD	2023-12-15
100% SD	2023-10-28

PROJECT TRACKING		
RBA #:	2327	
P.I.C:	BJ	
PM / PA:	PK/SL	

Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

SPECIAL INSPECTIONS

S-004

SYSTEM	OR	MATER

CONTRACTOR QUALITY CONTROL REQ

STEEL FABRICATION

FABRICATION OF STRUCTURAL ELEN

MATERIAL VERIFICATION OF STRUCT

MATERIAL VERIFICATION OF ANCHOR B THREADED RODS

MATERIAL VERIFICATION OF WELD FILL

STRUCTURAL STEEL WELDING

VERIFYING USE OF PROPER WPS'S VERIFYING WELDER QUALIFICATIONS

SINGLE PASS FILLET WELDS GREATER

SINGLE PASS FILLET WELDS LESS THA

WELDING STAIR AND RAILING SYSTEMS

VERIFICATION OF JOINT & CONNECTION MEMBER AND COMPONENT LOCATIONS, STIFFENERS

STEEL - SPECIAL INSPECTIONS					
RIAL OSSC CODE REFERENCE		CODE OR	INSPECTION (NOTES 5 AND 6)		
	REFERENCE	STANDARD REFERENCE	CONTINUOUS/ PERFORM	PERIODIC/ OBSERVE	- REMARKS
QUIREMENTS		AISC 360 CHAPTER N	х	Х	CONTRACTOR TO PROVIDE QUALITY CONTROL FOR ALL ITEMS INDICATED TO BE OBSERVED AND/OR PERFORMED IN TABLE BELOW
EMENTS	1704.2.5.1	AISC 360		Х	REFER TO INSPECTION OF FABRICATOR REQUIREMENTS
CTURAL STEEL	1505.2.1 2203.1 TABLE 1705.2	ASTM A6 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS AISC 360 A3.1 AISC 360 N3.2		X	CERTIFIED MILL TEST REPORTS
R BOLTS AND		AISC 360 A3.4 AISC 360 N3.2 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS		х	MANUFACTURER'S CERTIFIED TEST REPORTS
LLER METALS	1705.2.1.1 TABLE 1705.2-5	AISC 360 A3.5 AISC 360 N3.2 APPLICABLE AWS A5 DOCUMENTS		Х	MANUFACTURER'S CERTIFIED TEST REPORTS
	1705.2.1 AWS D1.1	AISC 360 N3.2			RETAIN A RECORD OF WELDING PROCEDURE SPECIFICATIONS
6		AWS D1.1		Х	RETAIN A RECORD OF QUALIFICATION CARDS
R THAN 5/16"		AWS D1.1 CLAUSE	Х		ALL WELDS VISUALLY INSPECTED PER AWS D1.16.9
IAN OR EQUAL TO 5/16"	TABLE 1705.2-6	6		Х	
MS	1705.2(2.5)	AWS D1.1 CLAUSE 6		Х	ALL WELDS VISUALLY INSPECTED PER AWS D1.1 6.9
ON DETAILS INCLUDING NS, BRACING, AND	TABLE 1705.2-7	AWS D1.1		х	

S-005

SPECIAL INSPECTIONS

1050 SW MADISON AVE, CORVALLIS OR 97333

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address

Owner OSU FRC

PROJECT TRACKING 2327 RBA #: P.I.C: BJ

PM / PA: PK/SL

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OREGON

EXPIRES 12/31/2025





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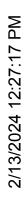
BROKAW

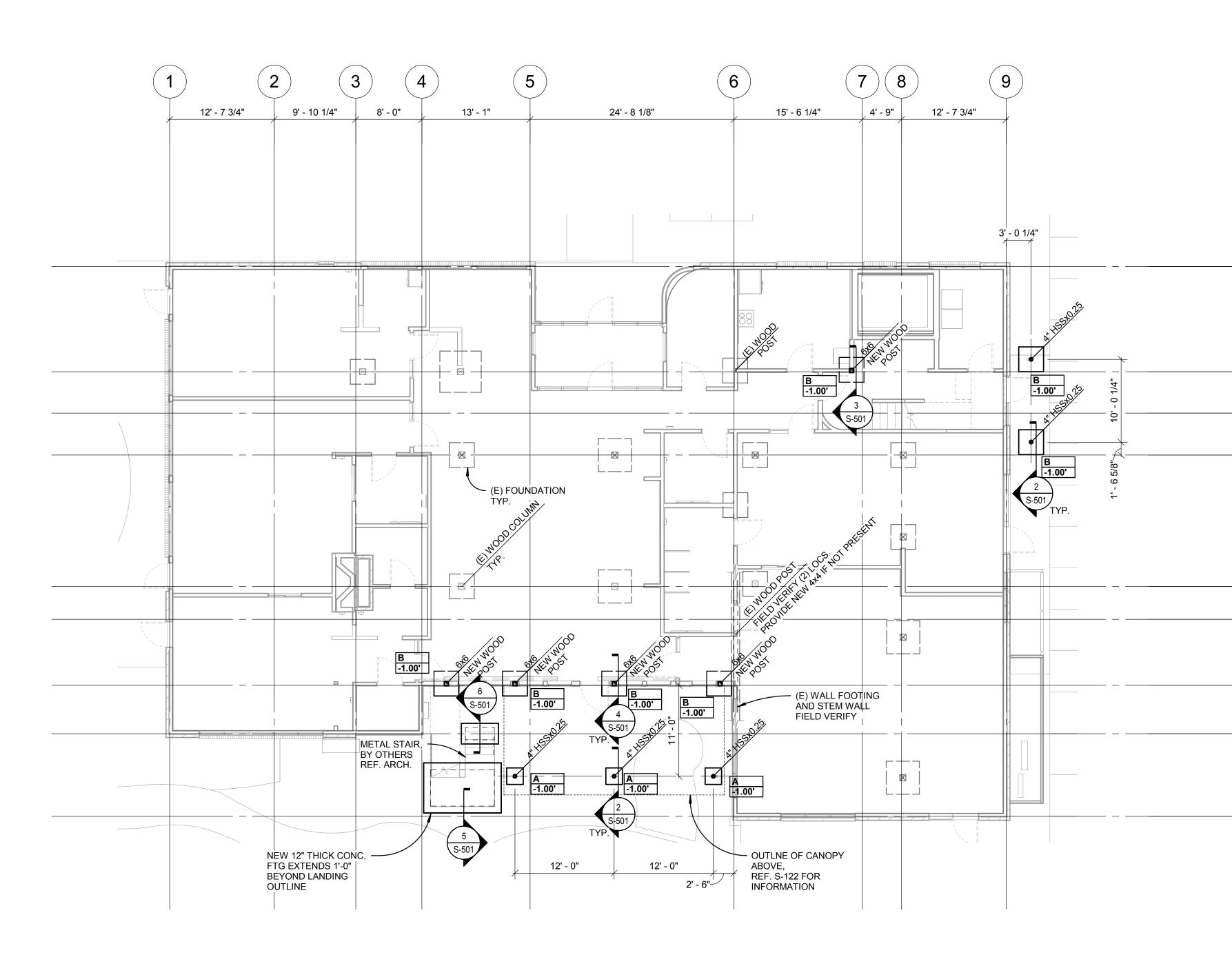
1203 Willamette Street

Eugene, Oregon 97401

Suite 210

541 485 1003











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PROJECT TRACKING		
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PM / PA:	PK/SL	

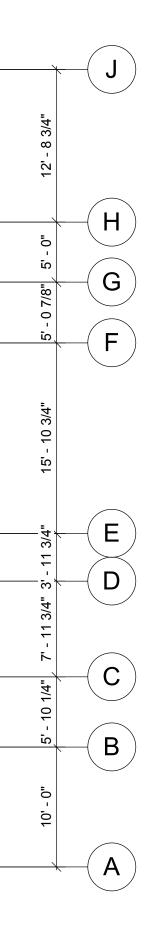
Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

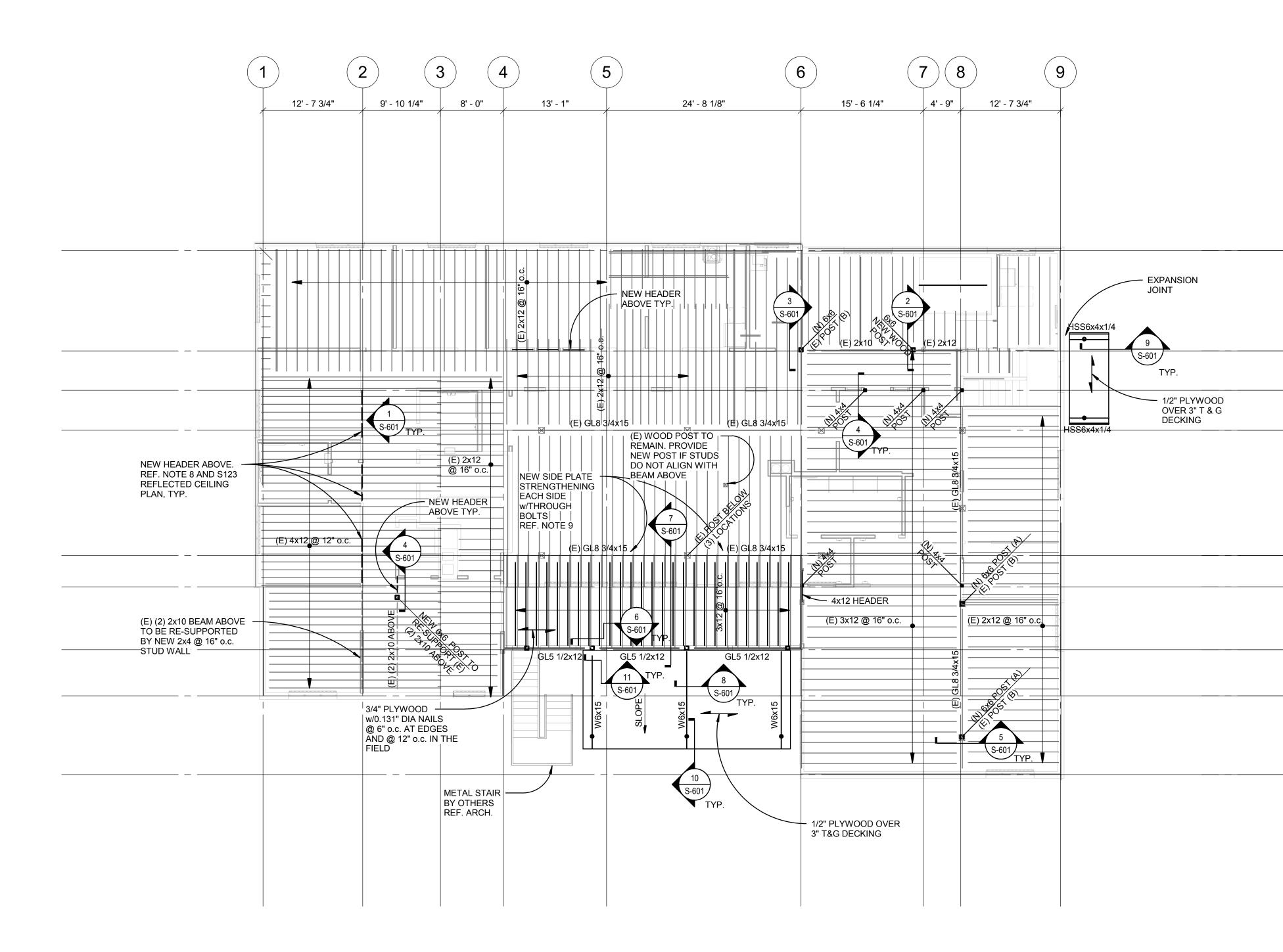
FOUNDATION PLAN

S-121



NOTES:

NOT	<u>ES:</u>	
1.	(E)	INDICATES EXISTING.
2.	(N)	INDICATES NEW STRICTURE.
3.		INDICATES EXISTING STRUCTURE.
4.	X -XX.XX'	INDICATES FOOTING TYPE. REF. SCHEDULE. 1/S-501 INDICATES TOP OF FOOTING ELEVATION.
5.		CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO FABRICATION AND ERECTION. NOTIFY ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM THOSE SHOWN ON THE DRAWINGS.
9.		CONTRACTOR TO SHORE ALL EXISTING FRAMING AS REQUIRED FOR DEMOLITION AND RE-FRAMING WORK.
7.		ALL EXPOSED FRAMING SHALL BE INSPECTED FOR CRACKS AND DAMAGE BY THE CONTRACTOR AND FINDINGS REPORTED TO THE ARCHITECT.



1) 2ND FLOOR FRAMING PLAN



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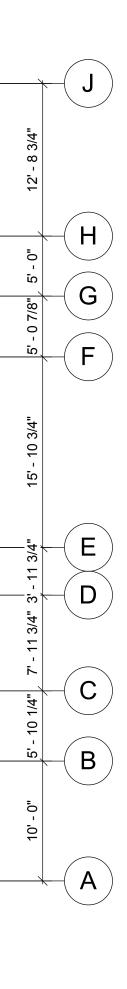
Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

2nd FLOOR FRAMING PLAN

S-122



INDICATES EXISTING.

NOTES:

9.

1. (E)

INDICATES NEW STRUCTURE.

INDICATES ABOVE STRUCTURE.

INDICATES BELOW STRUCTURE.

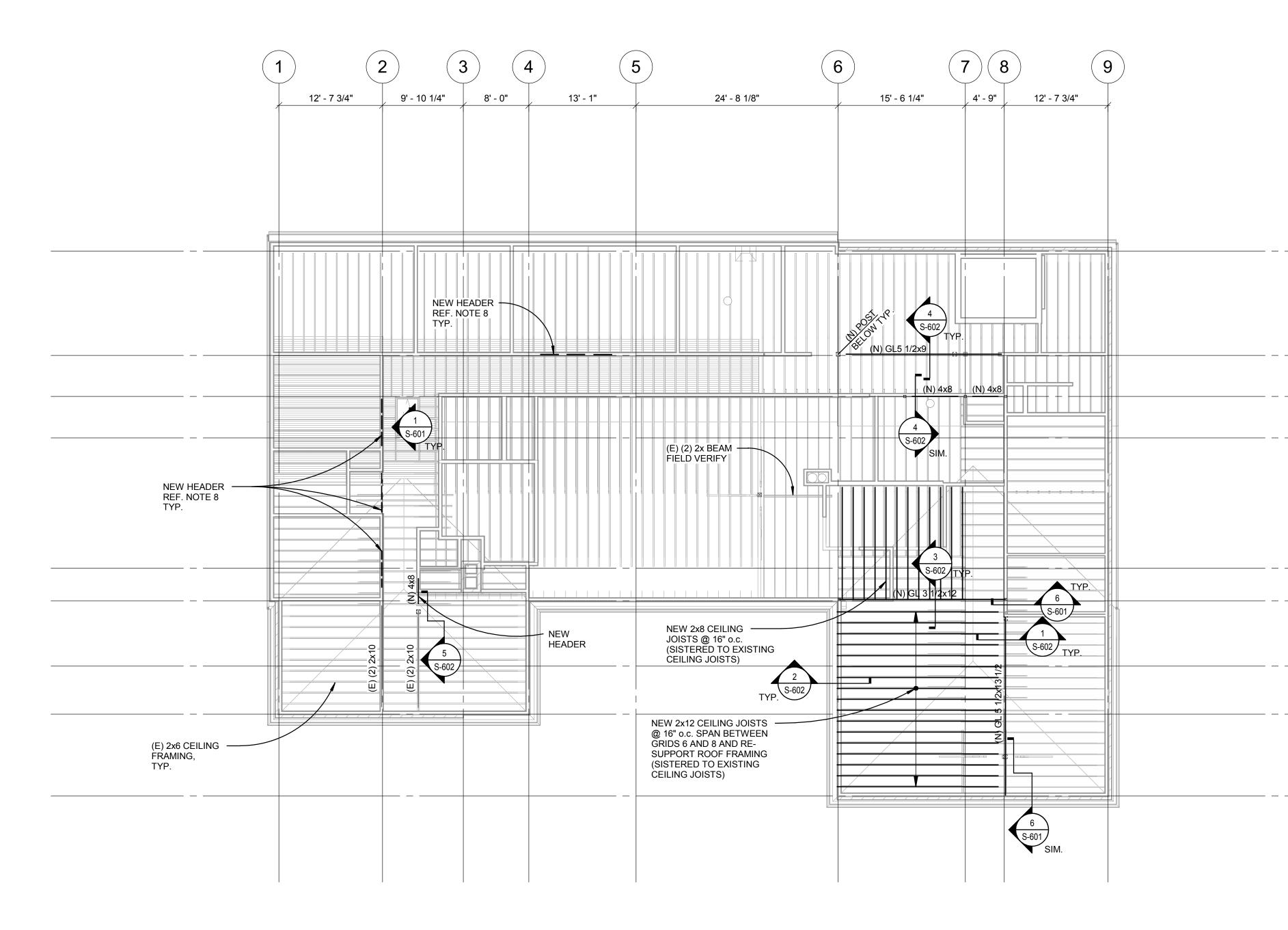
INDICATES EXISTING STRUCTURE.

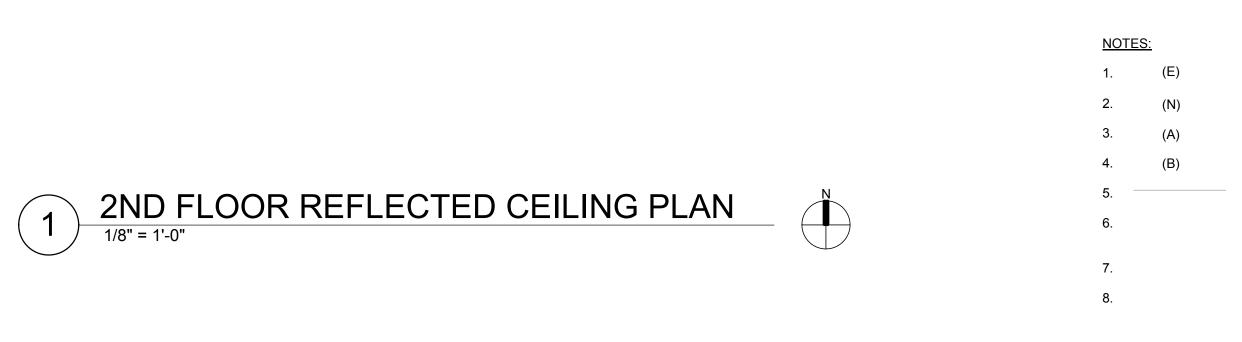
ALL EXISTING HALLWAY WALLS ARE BEARING WALLS. REF. DEMO PLANS ON SHEET A100 FOR WALLS BEING REMOVED.

PROVIDE TEMPORARY SHOWING WHILE FINAL STRUCTURE IS BEING INSTALLED.

REF. 2/S-601 FOR TYPICAL OPENING CONSTRUCTION AND THE SIZES OF ALL HEADERS NOT IDENTIFIED ON THE PLANS. ALL HEADERS SHALL BEAR ON A MINIMUM OF ONE 2x TRIMMER STUD U.N.O. REF. ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND LOCATIONS TYP.

WHERE (E) 2ND FLOOR GL. BEAMS ARE NOTED TO BE STRENGTHENED, THIS WORK IS BEING PERFORMED IN GROUND FLOOR CEILING.







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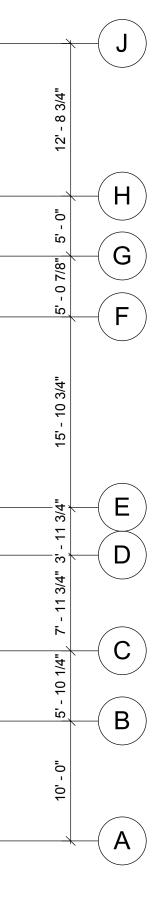
PROJECT T	RACKING
RBA #:	2327
P.I.C:	BJ
PM / PA:	PK/SL

Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

2ND FLOOR REFLECTED CEILING PLAN



INDICATES EXISTING.

INDICATES NEW STRUCTURE.

INDICATES ABOVE STRUCTURE.

INDICATES BELOW STRUCTURE.

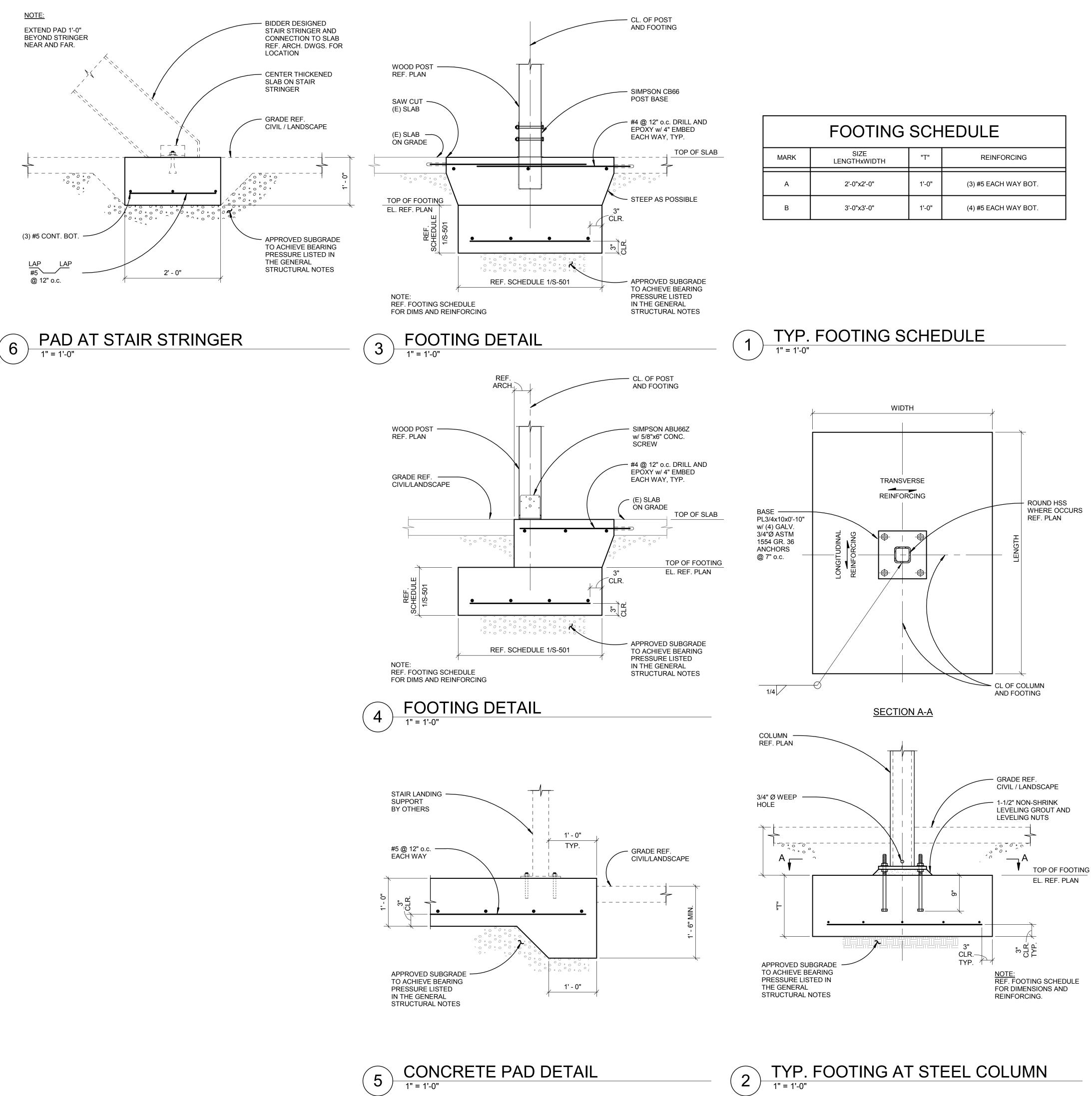
INDICATES EXISTING STRUCTURE.

ALL EXISTING HALLWAY WALLS ARE BEARING WALLS. REF. DEMO PLANS ON SHEET A100 FOR WALLS BEING REMOVED.

PROVIDE TEMPORARY SHOWING WHILE FINAL STRUCTURE IS BEING INSTALLED.

REF. 2/S-601 FOR TYPICAL OPENING CONSTRUCTION AND THE SIZES OF ALL HEADERS NOT IDENTIFIED ON THE PLANS. ALL HEADERS SHALL BEAR ON A MINIMUM OF ONE 2x TRIMMER STUD U.N.O. REF. ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND LOCATIONS TYP.

S-123



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ROWELL

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PROJECT	FRACKING
RBA #:	2327
P.I.C:	BJ
PM / PA:	PK/SL

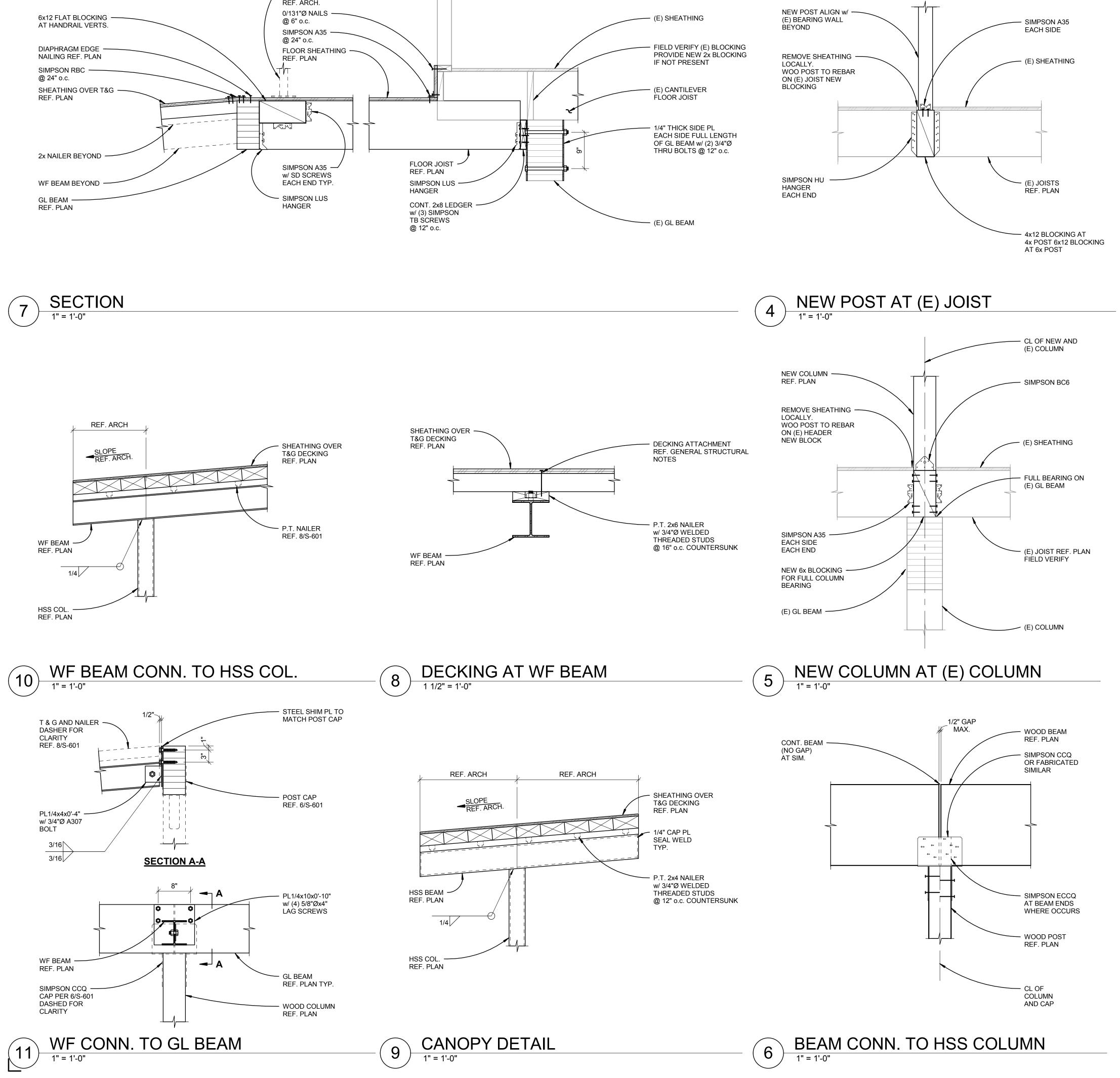
Owner OSU FRC

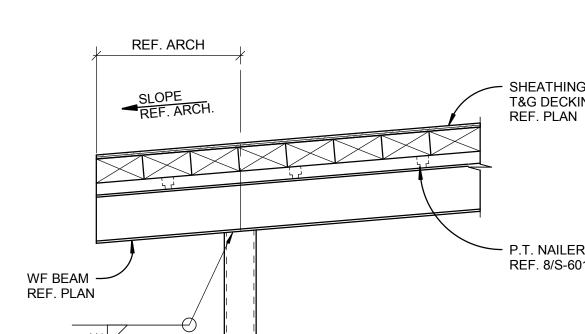
Project Name AZALEA EARLY CHILDHOOD CENTER

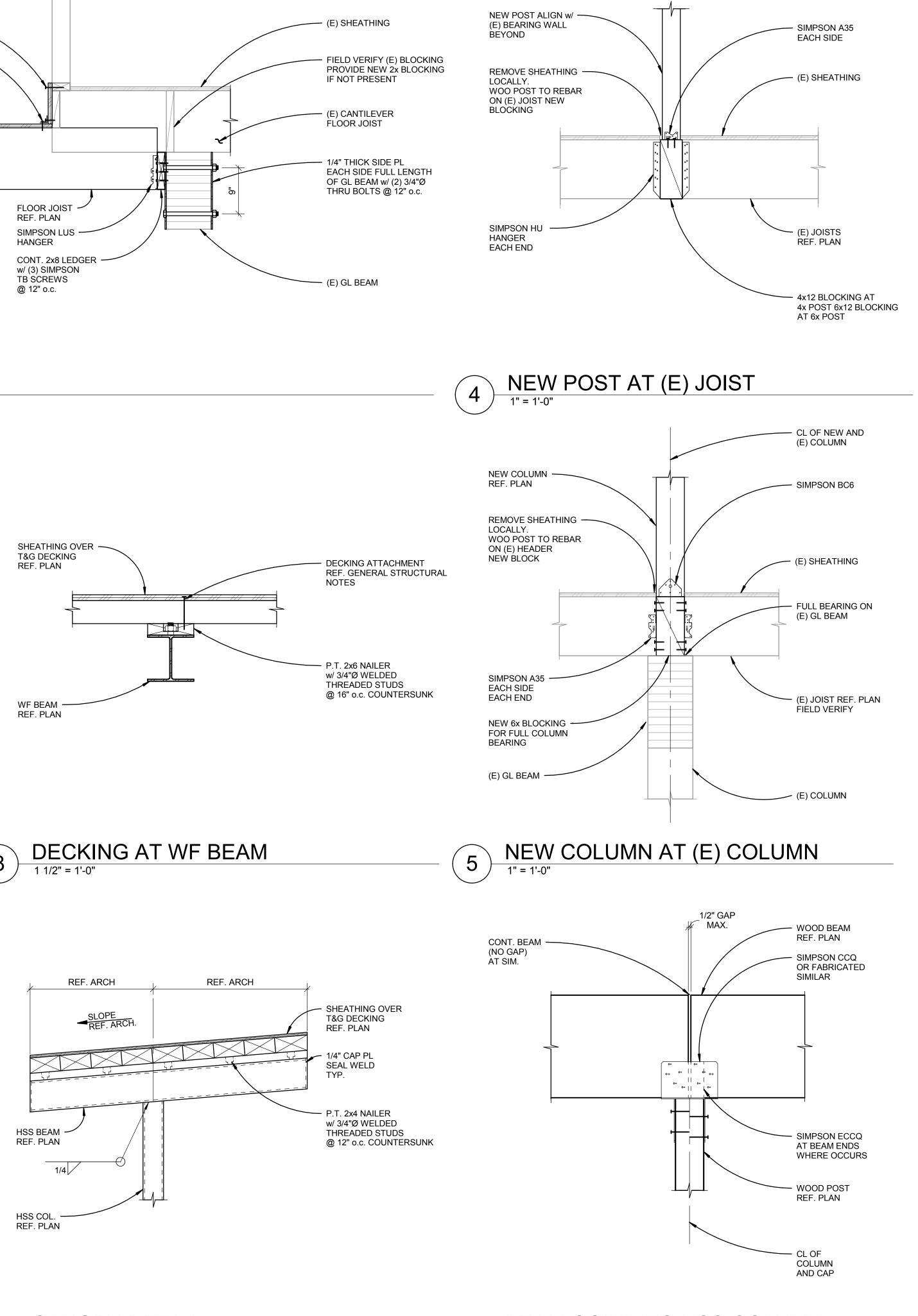
Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

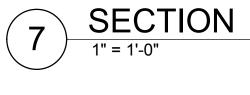
CONCRETE DETAILS

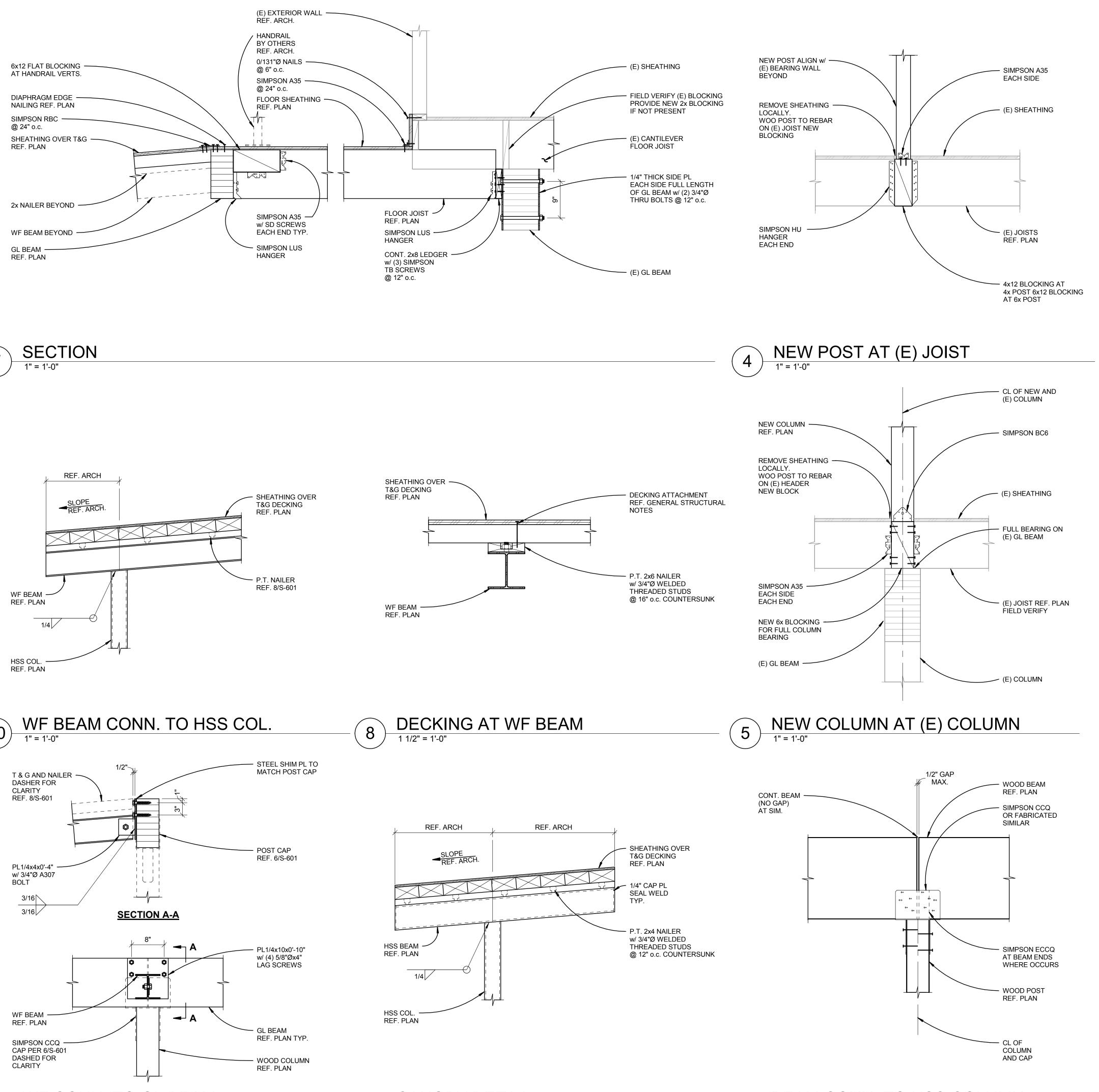
S-501



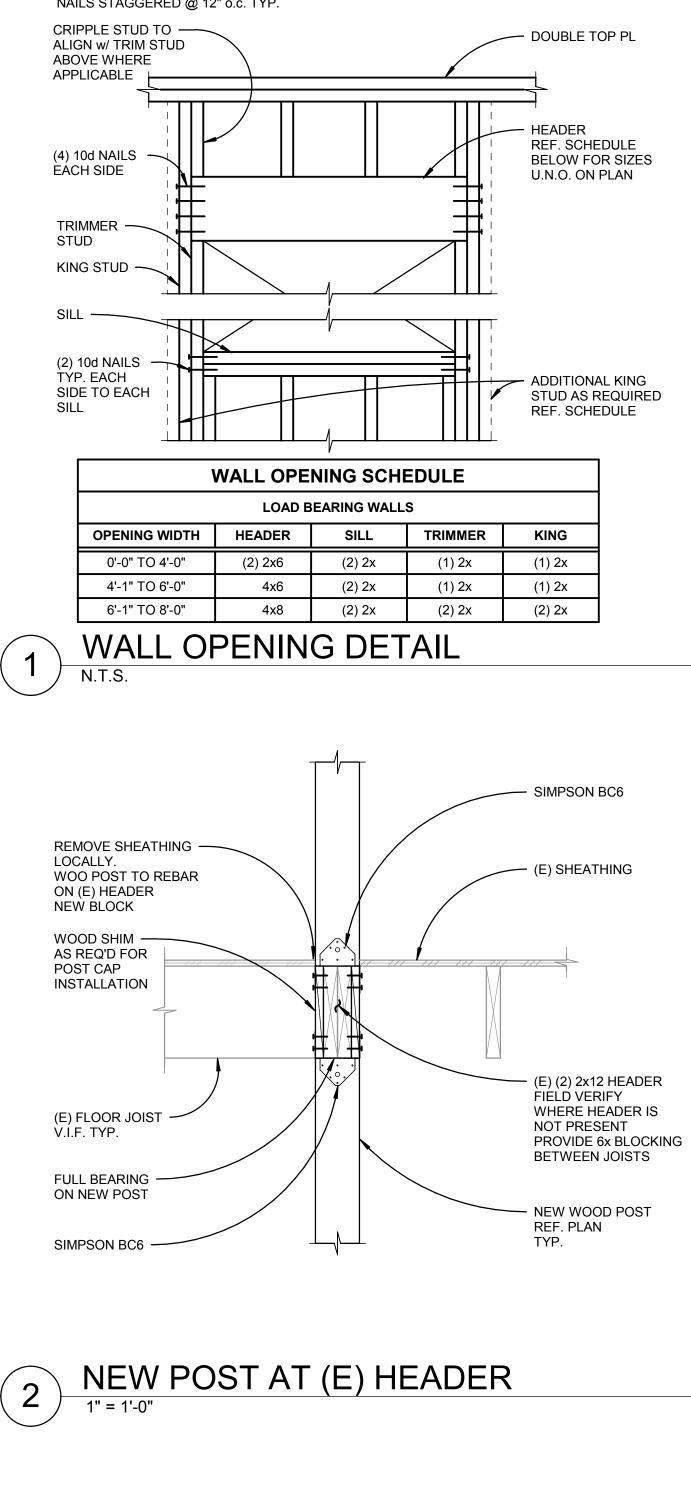








<u>NOTE:</u> JOIN MULTIPLE STUDS WITH (2) ROWS 10d NAILS STAGGERED @ 12" o.c. TYP.





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DATE
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2023-10-28

RACKING
2327
BJ
PK/SL

Owner OSU FRC

- SIMPSON BC4

(E) SHEATHING

- (E) HEADER FIELD VERIFY

- (E) WOOD POST

RÉF. PLAN

TYP.

Project Name AZALEA EARLY CHILDHOOD CENTER Project Address 1050 SW MADISON AVE,

CORVALLIS OR 97333

DETAILS

S-601

(3) NEW POST AT (E) JOIST

NEW WOOD POST -

REMOVE SHEATHING -

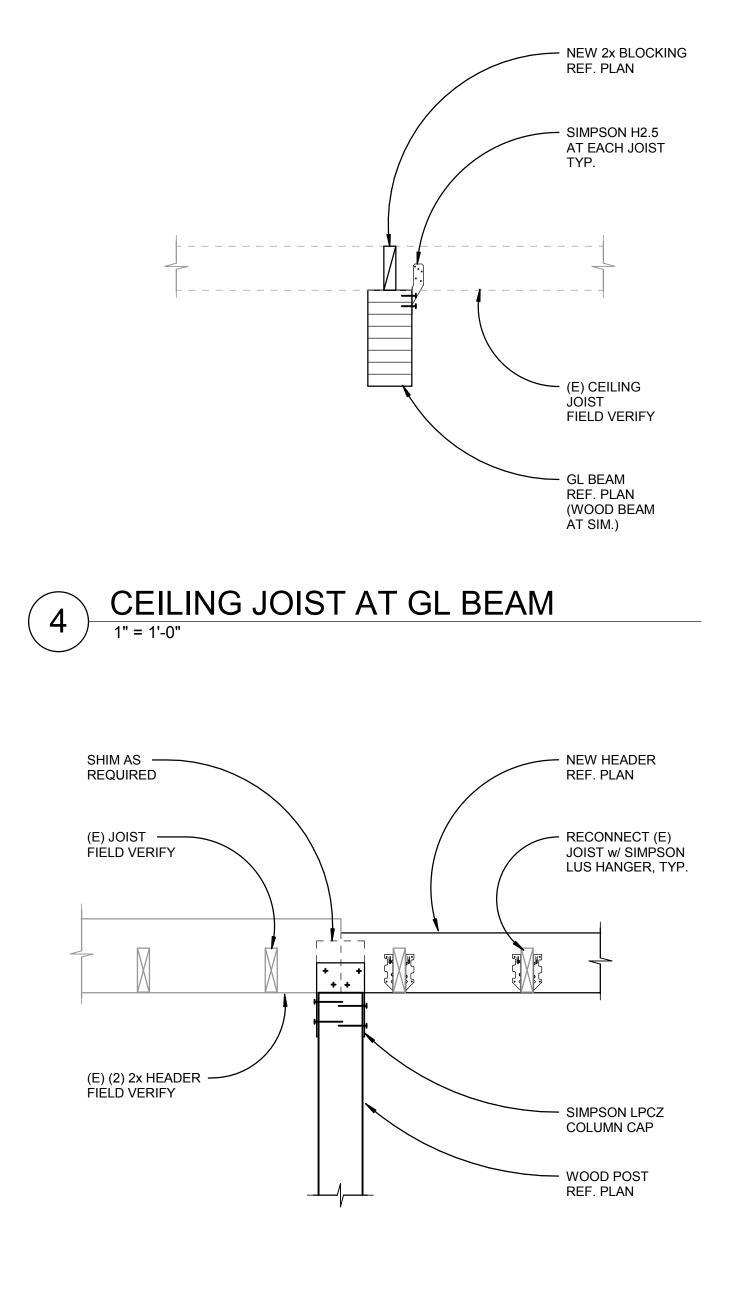
LOCALLY. WOO POST TO REBAR

ON (E) HEADER

(E) FLOOR JOIST V.I.F. TYP.

NEW BLOCK

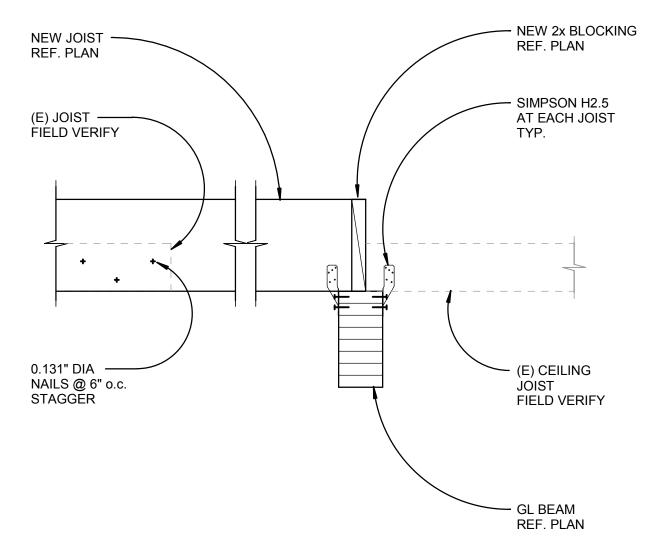
REF. PLAN



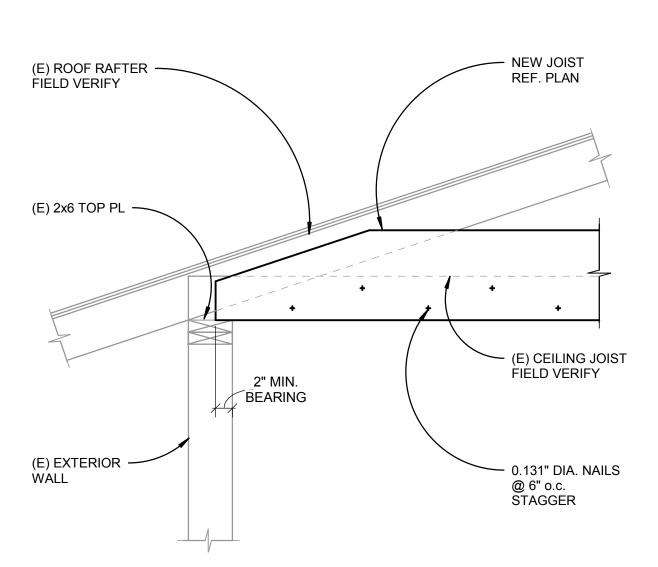


2

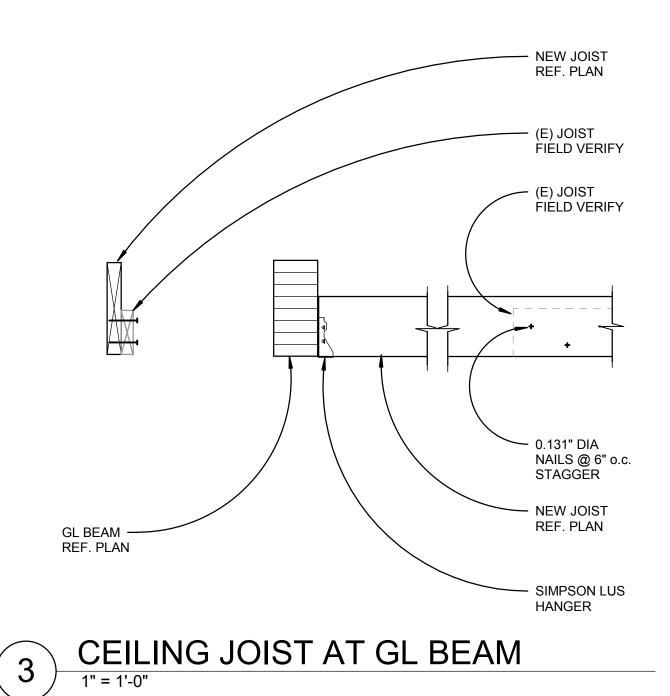
1



CEILING JOIST AT GL BEAM









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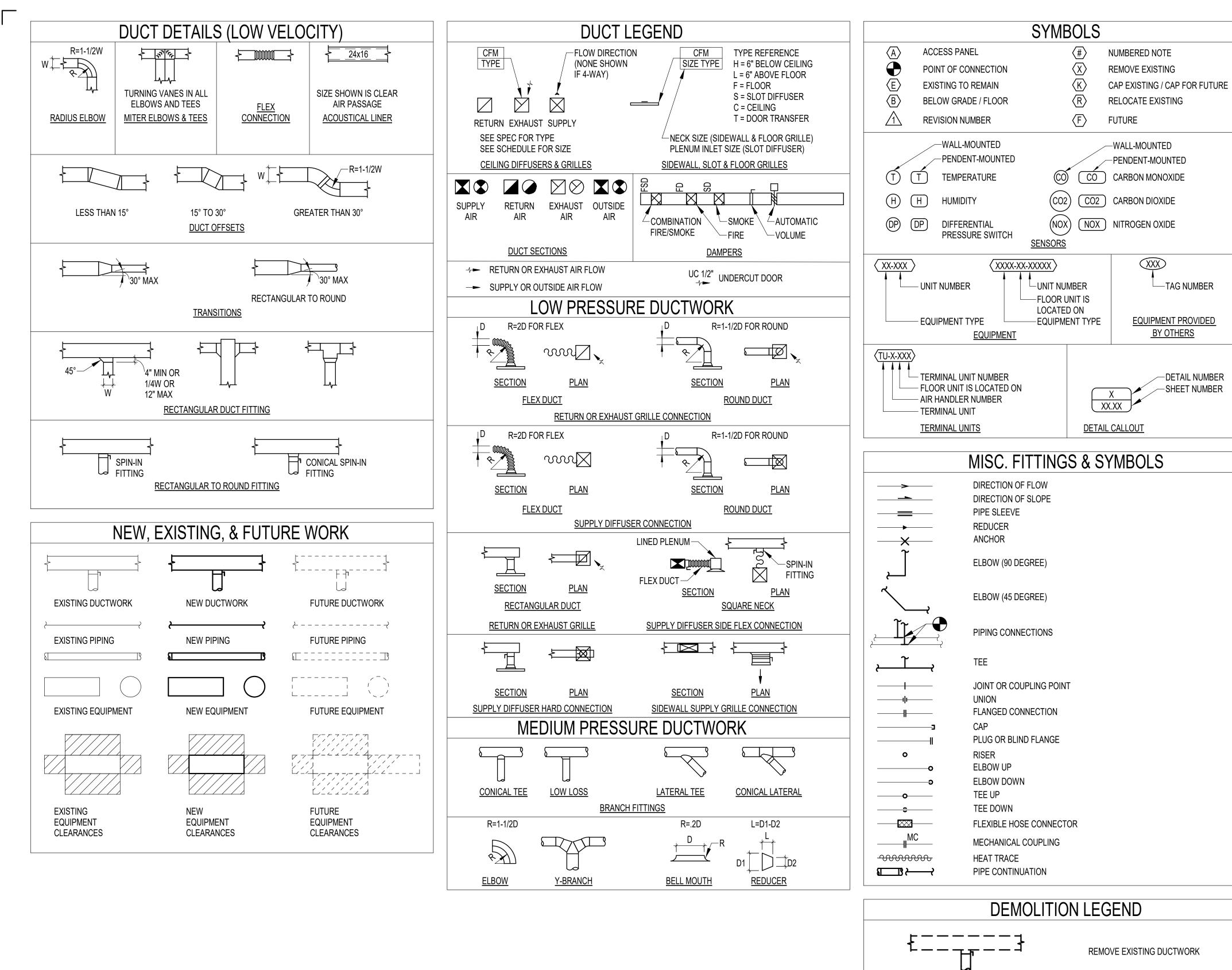
PROJECT	FRACKING
RBA #:	2327
P.I.C:	BJ
PM / PA:	PK/SL

Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

DETAILS

S-602





と — — — — — →

 \bigcirc

REMOVE EXISTING EQUIPMENT

-DETAIL NUMBER

-SHEET NUMBER

BY OTHERS

GENERAL NOTES:

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

	MISC. VALVES & COCKS
×	SHUTOFF VALVE
×	GLOBE VALVE
	GATE VALVE OS&Y
	BALL VALVE
	BUTTERFLY VALVE
₹∖	CHECK VALVE
	WYE STRAINER
	WYE STRAINER WITH BLOWDOWN
+\$	DRAIN VALVE
Ø	BALANCING VALVE
FC B	AUTOMATIC FLOW CONTROL VALVE
X	PRESSURE REDUCING VALVE
——	RELIEF VALVE
t zi	TRIPLE DUTY VALVE
	TWO-WAY CONTROL VALVE
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	THREE-WAY CONTROL VALVE
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	THREE-WAY BALANCING VALVE
	GAS COCK VALVE
	PLUG VALVE
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	BOILER BLOWDOWN VALVE, QUICK OPENING
—————————————————————————————————————	BOILER BLOWDOWN VALVE, Y-PATTERN
	NON-RETURN STOP VALVE
F&T ────⊗────	FLOAT AND THERMOSTATIC STEAM TRAP
8	INVERTED BUCKET STEAM TRAP
	DOUBLE CHECK VALVE ASSEMBLY (DCVA)
-Anont-	REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)
BWV	BACKWATER VALVE
φ	THERMOMETER
@	PRESSURE GAUGE
<del>+</del>	PRESSURE-TEMPERATURE TEST PLUG
A ^{MAV}	MANUAL AIR VENT
AAV	AUTOMATIC AIR VENT
	FLOW SWITCH
<u> </u>	TEMPERATURE SENSOR
	VACUUM BREAKER
<u></u>	SOLENOID VALVE
<b>/</b>	THRUST BLOCK
	MECHANICAL SHEET LIST
ET # SHEET NAME	

M-001	SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL
M-002	SYMBOLS, LEGENDS AND ABBREVIATIONS - MECHANICAL
M-003	EQUIPMENT SCHEDULE - MECHANICAL
M-004	EQUIPMENT SCHEDULE - MECHANICAL
M-010	SITE PLANS - MECHANICAL
M-100	DEMO FLOOR PLANS - 1ST AND 2ND - MECHANICAL
M-101	DEMO FLOOR PLANS - ATTIC AND ROOF - MECHANICAL
M-221	SCHEMATIC 1ST FLOOR PLAN - MECHANICAL
M-222	SCHEMATIC 2ND FLOOR PLAN - MECHANICAL
M-223	SCHEMATIC ATTIC PLAN - MECHANICAL
M-224	SCHEMATIC ATTIC PLAN - MECHANICAL PIPING
M-501	DETAILS - MECHANICAL
M-701	CONTROL DIAGRAMS - MECHANICAL
Grand total: 13	



ROWELL

BROKAW

SYMBOLS, LEGENDS **AND ABBREVIATIONS -**MECHANICAL

# **HVAC PIPING**

D ICW HWS HWR RL RS	DRAIN (CONDENSATE/INDIRECT) INDUSTRIAL COLD WATER (MAKE-UP) HEATING WATER SUPPLY HEATING WATER RETURN REFRIGERANT LIQUID REFRIGERANT SUCTION

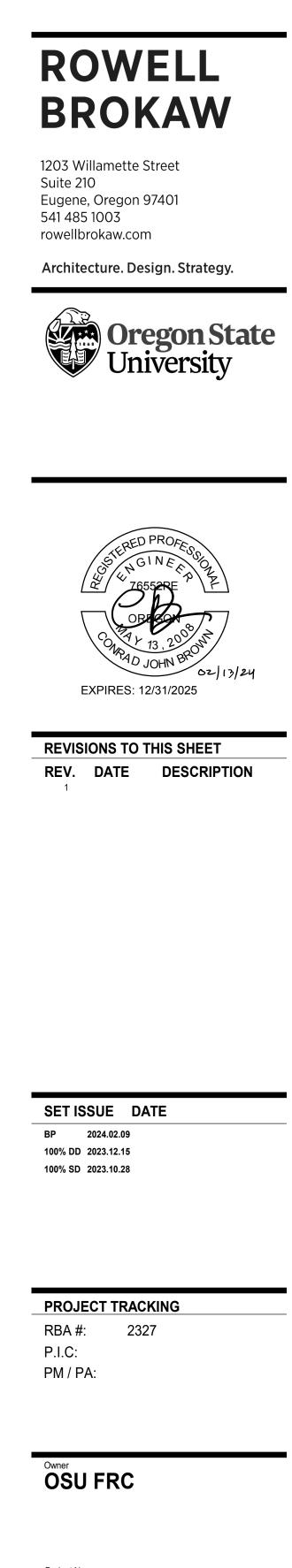
# **GENERAL NOTES:**

- PROVIDE SHEET METAL DUCTWORK AND COMPONENTS INCLUDING HANGING, SEALING, PLENUMS, AND ACCESSORIES IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA STANDARDS FOR HVAC DUCT CONSTRUCTION, NFPA 90A, AND 90B STANDARDS.
- B. DUCT DIMENSIONS SHOWN ARE INSIDE SHEET METAL DIMENSIONS OR CLEAR OPENING INSIDE LINED DUCT. THE FIRST NUMBER REPRESENTS THE WIDTH OF DUCT IN PLAN VIEW.
- C. PROVIDE VOLUME DAMPERS WHERE INDICATED AND IN EACH BRANCH DUCT SERVING INDIVIDUAL DIFFUSERS AND GRILLES.
- D. SIZE BRANCH DUCTWORK TO MATCH EQUIPMENT CONNECTION SIZE, UNLESS OTHERWISE NOTED.
- E. SIZE BRANCH DUCTWORK TO DIFFUSERS AND GRILLES TO MATCH DIFFUSER OR GRILLE CONNECTION SIZE, UNLESS OTHERWISE NOTED.
- F. PROVIDE CABLE OPERATED VOLUME DAMPERS AT INACCESSIBLE VOLUME DAMPERS.
- G. APPLIANCES AND EQUIPMENT ABOVE HARD LID CEILINGS: PROVIDE CEILING ACCESS PANEL NOT LESS THAN 24-INCHES WIDE AND LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE IN THE SPACE.
- H. RUN DUCTS CONCEALED, UNLESS SPECIFIED OTHERWISE, AND CLEAR OF CEILING INSERTS. INSTALL DUCTWORK AS CLOSE AS POSSIBLE TO WALL AND UNDERSIDE OF BEAMS AND JOISTS.
- I. COORDINATE WORK WITH OTHER TRADES. PROVIDE OFFSETS IN DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS AT NO ADDITIONAL COST TO THE OWNER.
- J. VERIFY EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE DIMENSIONS PRIOR TO FABRICATION.
- K. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES.
- L. PROVIDE SLEEVES WHERE DUCTWORK PASSES THROUGH WALLS, FLOORS, OR ROOFS. FILL ANNULAR SPACE WITH MINERAL FIBER (OR FIRE STOPPING MATERIAL WHERE FIRE RATED) AND SEAL WATERTIGHT.
- M. PROVIDE WALL SLEEVES FLUSH WITH FINISHED SURFACE.
- N. PROVIDE FLOOR SLEEVES EXTENDING A MINIMUM OF 2-INCHES ABOVE FINISHED FLOOR WITHIN EQUIPMENT ROOMS AND SHAFTS.
- 0. COORDINATE LOCATIONS OF WALL MOUNTED CONTROLS SENSORS WITH ARCHITECTS PRIOR TO INSTALLATION.
- P. PROVIDE INDEPENDENT 3/4-INCH SUPPLY AND RETURN HYDRONIC PIPING FROM BRANCH LINES TO TERMINAL EQUIPMENT UNLESS OTHERWISE NOTED.
- Q. RUN PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE, AND CLEAR OF CEILING INSERTS.
- R. VERIFY EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. FIELD VERIFY AND COORDINATE DIMENSIONS PRIOR TO FABRICATION.
- S. PROVIDE SLEEVES WHERE PIPING PASSES THROUGH WALLS, FLOORS, OR ROOFS. FILL ANNULAR SPACE WITH MINERAL FIBER (OR FIRE STOPPING MATERIAL WHERE FIRE RATED) AND SEAL WATERTIGHT.
- T. PROVIDE WALL SLEEVES FLUSH WITH FINISHED SURFACE.
- U. PROVIDE FLOOR SLEEVES EXTENDING A MINIMUM OF 2-INCHES ABOVE FINISHED FLOOR WITHIN EQUIPMENT ROOMS AND SHAFTS. DO NOT SUPPORT PIPING BY RESTING PIPE CLAMPS ON FLOOR SLEEVES.
- V. PROVIDE ROOF SLEEVES EXTENDING A MINIMUM OF 8-INCHES ABOVE ROOF.
- W. PROVIDE WALL AND CEILING PLATES AT EACH PIPE PENETRATION THROUGH ARCHITECTURAL WALLS AND CEILINGS.

# STANDARD ABBREVIATIONS

	STANDARD AB	BRE
ADA	AMERICANS WITH DISABILITIES ACT	KWH
AF AFF	AIRFOIL ABOVE FINISHED FLOOR	L LAT
AHP	APPARATUS HOUSING PLENUM	LAV
AL ALT	ALUMINUM ALTERNATIVE	LB LDB
AP	ACCESS PANEL	LF
APD APPROX	AIR PRSSURE DROP APPROXIMATELY	LFT LVG
ARCH	ARCHITECT, ARCHITECTURAL	LWB
AS AUTO	AUTOMATIC SPRINKLER AUTOMATIC	LWT MAX
BDD	BACKDRAFT DAMPER	MBH
BFF BHP	BELOW FINISHED FLOOR BREAK HORESPOWER	MCA MECH
BI	BACKWARD INCLINED	MERV
BLDG BOP	BUILDING BOTTOM OF PIPE	MFR MIN
BOS	BOTTOM OF STRUCTURE	MISC
BSMT BTU	BASEMENT BRITISH THERMAL UNIT	MOCP MS
BTUH	BRITISH THERMAL UNITS PER HOUR	MTD
BTV BV	BUTTERFLY VALVE BALANCING VALVE	NC NIC
CALC	CALCULATION CATCH BASIN	NO NPS
CB CFH	CUBIC FEET PER HOUR	NRS
CFM CFS	CUBIC FEET PER MINUTE CUBIC FEET PER SECOND	NTS OAT
CL	CENTERLINE	
CLG CO	CEILING OR COOLING CLEANOUT	OD OS&Y
CONC	CONCRETE	OSA
CONN CONT	CONNECT, CONNECTION CONTINUED, CONTINUATION	PD P/FT
CP	CIRCULATING PUMP	PG
CTG CV	CLEANOUT TO GRADE CHECK VALVE	PH PIV
DB	DRY BULB	PP
DDC DEFL	DIRECT DIGITAL CONTROL DEFLECTION	PRV PS
DIA	DIAMETER	PSI
DIP DN	DUCTILE IRON PIPE DOWN (PENETRATES FLOOR)	PSIG PVC
DP	DEW POINT	R, RAE
DR DV	DRAIN DRAIN VALVE	RA RD
DROP DWDI		RET REV
DWG	DRAWING	RH
	EXISTING ENTERING AIR TEMPERATURE	RISE RM
	EXTENDED COVERAGE ELECTRONICALLY COMMUTATED MOTOR	RN
	ENTERING DRY BULB	RPM S
	EFFICIENCY ENTERING FLUID TEMPERATURE	SA SAD
ELEC	ELECTRIC, ELECTRICAL	SB
elev Engr	ELEVATION ENGINEER	SCD SCFM
EQ	EQUAL EQUIPMENT	SD SECT
ES	EMERGENCY SHOWER	SED
ESP ET	EXTERNAL STATIC PRESSURE EXPANSION TANK	SENS SF
EWB	ENTERING WET BULB	SH
EWT EX	ENTERING WATER TEMPERATURE EXTRACTOR	SIM SOV
EXP EXH	EXPANSION EXHAUST OR EXHAUST AIR	SP SPD
F	DEGREES FAHRENHEIT	SPEC
FC FD	FORWARD CURVED FIRE DAMPER (MECHANICAL)	SQ SQ IN
FDC	FIRE DEPARTMENT CONNECTION	SS
FFE FIG	FINISHED FLOOR ELEVATION FIGURE	SSD STL
FL	FLOOR	STRUC
FLA FLEX	FULL LOAD AMPACITY FLEXIBLE	SWP SWSI
FPD FPM	FLUID PRESSURE DROP FEET PER MINUTE	TEMP TMV
FPS	FEET PER SECOND	TSP
FSD FT	FIRE SMOKE DAMPER FEET/FOOT	TYP U
FTR	FINNED TUBE RADIATOR	UG
(F) G	FUTURE GRADE	UP UON
GA	GAGE/GAUGE	V
GAL GALV	GALLON GALVANIZED	VD VEL
GPM GV	GALLONS PER MINUTE GATE VALVE	VERT VFD
Н	HEIGHT	W
HP HR	HORSEPOWER HOUR	WB WFU
HTG	HEATING	WG
ID IE	INSIDE DIAMETER, INSIDE DIMENSION INVERT ELEVATION	WPD WTD
IN INSUL	INCH, INCHES INSULATION	WTR W/
JP	JOCKEY PUMP	W/O
KW	KILOWATT	

**KILOWATT HOUR** LENGTH LEAVING AIR TEMP LAVATORY POUND LEAVING DRY BULB LINEAR FEET LEAVING FLUID TEMPERATURE LEAVING LEAVING WET BULB LEAVING WATER TEMPERATURE MAXIMUM THOUSAND BTU PER HOUR MINIMUM CIRCUIT AMPACITY MECHANICAL MINIMUM EFFICIENCY REPORTING VALUE MANUFACTURER MINIMUM MISCELLANEOUS MAXIMUM OVERCURRENT PROTECTION MOP SINK MOUNTED NORMALLY CLOSED NOT IN CONTRACT NORMALLY OPEN NOMINAL PIPE SIZE NON-RISING STEM NOT TO SCALE OUTSIDE AIR TEMPERATURE ON CENTER DISTANCE OVERFLOW DRAIN OUTSIDE SCREW & YOKE GATE VALVE OUTSIDE AIR PLANTER DRAIN PITCH PER FOOT PRESSURE GAUGE PHASE POST INDICATING VALVE POLYPROPYLENE PRESSURE REDUCING VALVE PRESSURE SWITCH POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH (GAUGE) POLYVINYL CHLORIDE AD RADIUS **RELIEF AIR** ROOF DRAIN RETURN AIR REVISION RELATIVE HUMIDITY **RISE (WITHIN FLOOR)** ROOF MANIFOLD RISER NIPPLE **REVOLUTIONS PER MINUTE** SINK SUPPLY AIR SEE ARCHITECTURAL DRAWINGS SWAY BRACE SEE CIVIL DRAWINGS STANDARD CUBIC FEET PER MINUTE SMOKE DAMPER (MECHANICAL) SECTION SEE ELECTRICAL DRAWINGS SENSIBLE SQUARE FOOT, SQUARE FEET SHOWER SIMILAR SHUTOFF VALVE STATIC PRESSURE SEE PLUMBING DRAWINGS SPECIFICATION SQUARE SQUARE INCH, SQUARE INCHES STAINLESS STEEL (ALL) SEE STRUCTURAL DRAWINGS STEEL JCT STRUCTURE, STRUCTURAL SINGLE WALL PLENUM SINGLE WIDTH SINGLE INLET TEMPERATURE THERMOSTATIC MIXING VALVE TOTAL STATIC PRESSURE TYPICAL URINAL UNDERGROUND UP (PENETRATES FLOOR SLAB) UNLESS OTHERWISE NOTED VOLTS VOLUME DAMPER VELOCITY VERTICAL VARIABLE FREQUENCY DRIVE WIDTH WET BULB WATER FIXTURE UNITS WATER GAUGE WATER PRESSURE DROP WATER TEMPERATURE DROP WATER TEMPERATURE RISE WITH WITHOUT



### Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

SYMBOLS, LEGENDS **AND ABBREVIATIONS -**MECHANICAL

GENERAL	NOTES:
A. MINIMU	M EFFICIENCY I
B. SIZE RE	FRIGERANT PIF
C. REFRIG	ERANT CHARG
D. SUPPLE	MENTAL HEATI
E. LISTED	CAPACITIES RE
F. LISTED I	REFRIGERANT
NOTES:	
1. UNIT CO	MPRISED OF 2
TAG	LOCATIO
OU-101	GRADE

# **DESIGN CONDITIONS (CORVAL** GENERAL NOTES: A. OUTDOOR CONDITIONS BASED ON ASHRAE FUNDAMENTALS 2013 99.6% AND 0.4% DATA. WINTER

SPACE	TEMPERATURE	HUMIDITY
OUTDOOR	25.0° F DB	15.6 ° F DB / 12.2 HR / 29.1 ° F MCDB
INDOOR	70° F ± 2° F DB	50% RH MAX, NO MINIMUM

							VRF C	UTDOOR U	NIT SCHE	DULE																								
PIPING PEI RGE INDICA ATING IS AI REFLECT T NT CHARGE	RI STANDARD CONDITIONS R MANUFACTURER'S INSTR ITED IS FOR THE EQUIPMEN JTOMATICALLY DISABLED A TOTAL CAPACITY OF ALL MO E IS FOR CU ONLY. FULL SY ES WITH SEPARATE ELECTI	UCTIONS. NT ONLY. PROVIDE I AT OA TEMPERATUR ODULES IN UNIT. 'STEM CHARGE TO E	Res above 40°F. Be coordinated wi	TH FINAL PIPE LAY	'OUT.				Ξ.																									
		CAP	ACITY	MIN EFFICIENCY		MIN EFFICIENCY		MIN EFFICIENCY		MIN EFFICIENCY		MIN EFFICIENCY		MIN EFFICIENCY		REFRIGERANT		REFRIGERANT		ELECTRICAL						ELECTRICAL								
				COOLING IEER					DUAGE				GENERATOR	APPROX.			NOTEO																	
	CLUMPL	$\perp$ COOLING (TON)	HEATING (MBH)	(SEER)	HEATING COP	TYPE	CHARGE (LBS)	VOLTAGE (V)	PHASE	MCA (A)	MOCP (A)	SCCR (A)	(Y/N)	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES																	
tion .de	SERVICE														MITSUBISHI																			

# VRF INDOOR UNIT SCHEDULE

GENERAL NOTES:

A. MINIMUM EFFICIENCY IS AT AHRI STANDARD CONDITIONS.

B. ALL DUCTED AND CASSETTE UNITS ARE PROVIDED WITH AN INTEGRAL CONDENSATE PUMP CAPABLE OF 24 IN WG OF LIFT.

C. ALL FAN MOTO			_											
	ONNECTED TO DUCTED FAN-COIL UN													
	MAXIMUM ALLOWABLE SUPPLY AIR	TEMPERATURES ARE \$	55°F AND 105°F, RE	SPECTIVELY.										
	AUXILLARY CONDENSATE PUMP.													
2. MODEL REQUIR														
3. INTEGRAL CON														
					COOLING (MBH)	HEATING TOTAL		ELEC	TRICAL		APPROX.			
TAG	LOCATION	OUTDOOR UNIT	TYPE	AIRFLOW (CFM)	TOTAL	(MBH)	VOLTAGE (V)	PHASE	MCA	MOCP (A)	WEIGHT	MANUFACTURER	MODEL	NOTES
FCU-101	INFANT A	OU-101	WALL	350	18	20	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-102	INFANT B	OU-101	WALL	500	30	34	208	1	0.63	15	50	MITSUBISHI	PKFY	1
FCU-103	INFANT C	OU-101	WALL	350	18	20	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-104	COMMON	OU-101	WALL	450	24	30	208	1	0.63	15	50	MITSUBISHI	PKFY	1
FCU-105	KITCHEN	OU-101	WALL	200	8	10	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-106	TODDLER 108	OU-101	WALL	350	18	20	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-107A	TODDLER 106	OU-101	WALL	350	18	20	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-107B	TODDLER 106	OU-101	WALL	350	18	20	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-108	TEACHER	OU-101	WALL	200	6	9	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-201	LACTATION	OU-101	WALL	200	6	9	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-202	WAITING	OU-101	WALL	200	6	9	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-203	BREAK	OU-101	WALL	200	6	9	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-204	CONFERENCE	OU-101	WALL	350	12	14	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-205	OFFICE 206	OU-101	WALL	200	6	9	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-206	OFFICE 207	OU-101	WALL	200	8	10	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-207	OFFICE 208	OU-101	WALL	200	6	9	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-208	OFFICE 210	OU-101	WALL	200	6	9	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-209	OFFICE 211	OU-101	WALL	200	8	10	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-210	SHARED 212	OU-101	WALL	350	12	14	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-211	TEACHER WORK	OU-101	WALL	350	12	14	208	1	0.3	15	50	MITSUBISHI	PKFY	1
FCU-212	PRE-SCHOOL 216	OU-101	DUCTED	1200	48	50	208	1	2.5	15	85	MITSUBISHI	PEFY	2,3
FCU-213	PRE-SCHOOL 218	OU-101	DUCTED	1200	48	50	208	1	2.5	15	85	MITSUBISHI	PEFY	2,3
FCU-214	TEACHER WORK	OU-101	WALL	450	24	0	208	1	0.63	15	50	MITSUBISHI	PKFY	1

					DUCT COI	L SCHEDUL	Ε					
				HEA	TING	COOL	ling	DIMEN	ISIONS	APPROX.		
			AIRFLOW	CAPACITY	FLOW	CAPACITY	FLOW	WIDTH	HEIGHT	WEIGHT	MANUFACTURER	
TAG	LOCATION	SERVICE	(CFM)	(MBH)	(GPM)	(MBH)	(GPM)	(IN)	(IN)	(LBS)	& MODEL	NOTES
HC-201	ATTIC	FCU-201	1,000	21.7	2.2	-	-	24	12	50	AEROFIN	
HC-202	ATTIC	FCU-202	1,000	21.7	2.2	-	-	24	12	50	AEROFIN	
GENERAL NOTES:												
A. HEATING CAPACITY	BASED ON 55°F EAT, 140°F EWT, 2	20°F WTD										
<b>B. COOLING CAPACITY</b>	BASED ON 80°F EAT, 44°F EWT, 1	0°F WTD										
C. MAXIMUM FINS PER	INCH = 8											
D. MAXIMUM WATER PF	RESSURE DROP = 3.4 FT WG											
	SURE DROP = 0.21 IN WG											

F. PROVIDE DRAIN PANS DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ASHRAE STANDARD 62.1 INCLUDING BUT NOT LIMITED TO 1/8-INCH PER FOOT SLOPE TOWARD DRAIN OUTLET, PAN LENGTH OF 1/2 THE INSTALLED VERTICAL DIMENSION OF THE COOLING COIL.

<u>NOTES:</u> 1. NONE

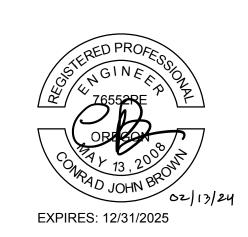
MMER
HUMIDITY
61.0° F DP / 80.7 HR / 76.7° F MCDB
50% RH MAX, NO MINIMUM



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**REVISIONS TO THIS SHEET** REV. DATE DESCRIPTION

SET ISSUE DATE BP 2024.02.09 100% DD 2023.12.15 100% SD 2023.10.28

PROJECT TRACKING RBA #: 2327 P.I.C: PM / PA:

# Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

EQUIPMENT SCHEDULE - MECHANICAL



	AIR HANDLING UNIT																															
				FIL	TERS					SUPPLY AND E	XHAUST FAN																ELECT	TRICAL				
			MIN								FAN			MOTOR	२				WINT	ĒR			SUMMER							APPROX.		
			OSA	EXHAUST	OSA	AIRFLOW	FAN	TSP	ESP	SPEED	ENERGY	POWER	RATING	VOLT/		ECM		OSA EAT	OSA LAT	EXH EAT	EFF.	OSA EAT	OSA LAT	EXH EAT	EFF.	VOLT/	FLA MC	A MOCP	SCCR	WEIGHT	MANUFACTURER	
TAG	LOCATION	SERVICE	(CFM)	(MERV)	(MERV)	(CFM)	TYPE	(IN WG)	(IN WG)	(RPM)	INDEX	(BHP)	(WATTS)	PHASE	(Y/N)	) QTY SCCR	TYPE	(°F DB)	(°F DB)	(°F DB)	(%)	(°F DB/WB)	(°F DB/WB)	(°F DB/WB)	(%)	PHASE	(A) (A	) (A)	(A)	(LBS)	& MODEL	NOTES
HRV-2	ATTIC	FCU-212	575	8	13	575	PLUG	2.0	2.5	2,100		4.7	170.0	208/1	YES	6 2 5K	ENERGY PLATE	25	55	70	67	90/68	53/51	75/60	67	208/1	7 6	15	5K	300	RENEWAIRE HE07IN	1
HRV-3	ATTIC	FCU-213	500	8	13	500	PLUG	2.0	2.5	2,100		4.7	170.0	208/1	YES	6 2 5K	ENERGY PLATE	25	55	70	67	90/68	53/51	75/60	67	208/1	7 6	15	5K	300	RENEWAIRE HE07IN	1
GENERAL NOTES:																																

A. UNITS MOUNTED ON ATTIC FLOOR WITH SUPPLEMENTARY STRUCTURE.

B. MINIMUM OSA CALCULATED BASED ON CODE AND ASHRAE STANDARD 62.

C. PROVIDE MANUFACTURER CONTROLLER TO BE INTERLOCKED WITH FCU OPERATION. INTEGRATE WITH EXISTING BACNET BUILDING BMS SYSTEM.

E. HEAT RECOVERY SECTION EFFECTIVENESS IS BASED ON AHRI 1060.

NOTES:

1. ARRANGE UNIT FOR SINGLE POINT POWER CONNECTION W/ DISCONNECT SWITCH. PROVIDE A SEPARATE, DEDICATED 120V CONNECTION FOR RECEPTACLE(S) AND LIGHTS.

# RADIANT PANEL SCHEDULE

				HEATING		DIMEN	NSIONS		
			CAPACITY	GLYCOL	FLOW	WIDTH	LENGTH	MANUFACTURER	
TAG	PLACEMENT	TYPE	(BTUH/LF)	(%)	(GPM)	(IN)	(IN)	& MODEL	NOTES
RP-1	PERIMETER	2-PIPE	100	0		12	456	TWA	1
RP-2	PERIMETER	2-PIPE	100	0		12	266	TWA	1
RP-3	PERIMETER	2-PIPE	100	0		12	384	TWA	1
RP-4	PERIMETER	2-PIPE	100	0		12	240	TWA	1
GENERAL NOTES:									

A. HEATING CAPACITY BASED ON EWT/LWT = 130/120°F

NOTES:

1. SURFACE MOUNTED.

# 

				DIFFUS	SERS AND	GRILLES					
			AIRFLO\	W RANGE	INLET	FAC	E SIZE				
			MIN	MAX	SIZE	T-BAR	HARD LID	MAX	THROW	MANUFACTURER	
TAG	ТҮРЕ	DESCRIPTION	(CFM)	(CFM)	(IN)	(IN)	(IN)	NC	(FT)	& MODEL	NOTES
		0	125	6x6	24x24	13x13	12	2-2-5			
		PERFORATED FACE, MODULAR	126	220	8x8	24x24	15x15	17	2-3-6		
	CORE, ADJUSTABLE 4-WAY	221	345	10x10	24x24	17x17	21	3-4-8	TITUS PMC		
		THROW	346	500	12x12	24x24	19x19	24	3-5-9		
			501	780	16x16	24x24	23x23	28	4-6-11		
			0	340	10x10	24x24	12x12	17	-		
			341	780	15x15	24x24	17x17	22	-		
C-2	CEILING RETURN/ EXHAUST GRILLE	PERFORATED FACE, STEEL,	781	1,125	18x18	24x24	20x20	24	-	TITUS PAR	
	UNILL		1,129	1,670	22x22	24x24	24x24	26	-		
			1,671	3,500	22x46	24x48	24x48	25	-		
			0	150	6	24x24	12x12	18	2-4-7		
		THREE CONE FACE, 360	151	250	8	24x24	12x12	17	3-5-9		
C-X	CEILING SUPPLY DIFFUSER		251	425	10	24x24	24x24	22	5-7-14	TITUS TMS	
		426	550	12	24x24	24x24	21	5-8-16			
		-	551	750	14	24x24	24x24	22	6-10-19		
			0	210	8	18	18	21	3-4-9		
			211	325	10	22-1/2	22-1/2	22	4-6-11		
		-	326	470	12	27	27	23	4-7-13		
			471	635	14	31-1/2	31-1/2	23	5-8-15		
		ROUND, FOUR CONE FACE, 360	636	850	16	36	36	24	6-9-18		
C-9	CEILING SUPPLY DIFFUSER	DEGREE THROW	851	1,050	18	40-1/2	40-1/2	24	7-10-20	TITUS TMRA	
			1,051	1,300	20	45	45	25	7-11-22		
			1,301	1,900	24	54	54	25	9-13-26		
			1,901	2,900	30	67-1/2	67-1/2	26	11-17-33		
		-	2,901	3,500	36	67-1/2	67-1/2	22	11-17-33		
			0	80	6	24x2	24x2	20	10-15-23		1
		SLOT, FIXED BLADE, INSULATED	81	120	6	48x2	48x2	17	9-16-28		1
S-1	CEILING SUPPLY DIFFUSER	PLENUM, ADJUSTABLE THROW	121	120	8	48x2	48x2	25	16-24-34	TITUS TBDI-10	1
			181	325	10	48x4	48x4	20	21-32-46		2
GENERAL NOTES:			101	020			IVAT	20			<b>L</b>
	NC) BASED ON ROOM ABSORPTION	I OF 10 dB, MEASURED PER ANSI/ASI	HRAE STANDAR	D 70.							

B. THROW VALUES GIVEN FOR TERMINAL VELOCITIES 150, 100, AND 50 FPM FOR ISOTHERMAL CONDITIONS.

C. ADJUST THROW DIRECTION AND QUANTITY PRIOR TO AIR BALANCING.

NOTES: 1. ONE 1-INCH SLOT.

2. TWO 1-INCH SLOTS.

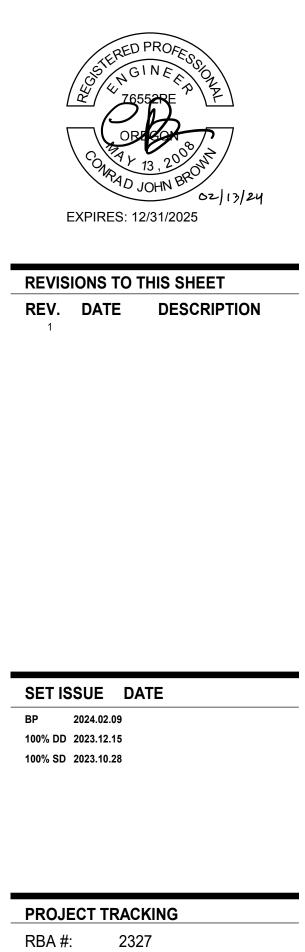
RILLES	3
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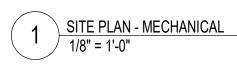
# Owner OSU FRC

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Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

EQUIPMENT SCHEDULE - MECHANICAL



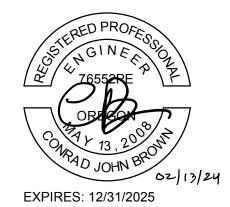


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**REVISIONS TO THIS SHEET** 

REV. DATE DESCRIPTION

SET ISSUE DATE

BP 2024.02.09 100% DD 2023.12.15 100% SD 2023.10.28

 PROJECT TRACKING

 RBA #:
 2327

 P.I.C:
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### Owner OSU FRC

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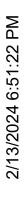
SITE PLANS -MECHANICAL

**M-010** 

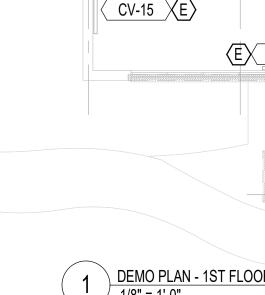
# ⟨#⟩<u>NOTES:</u>

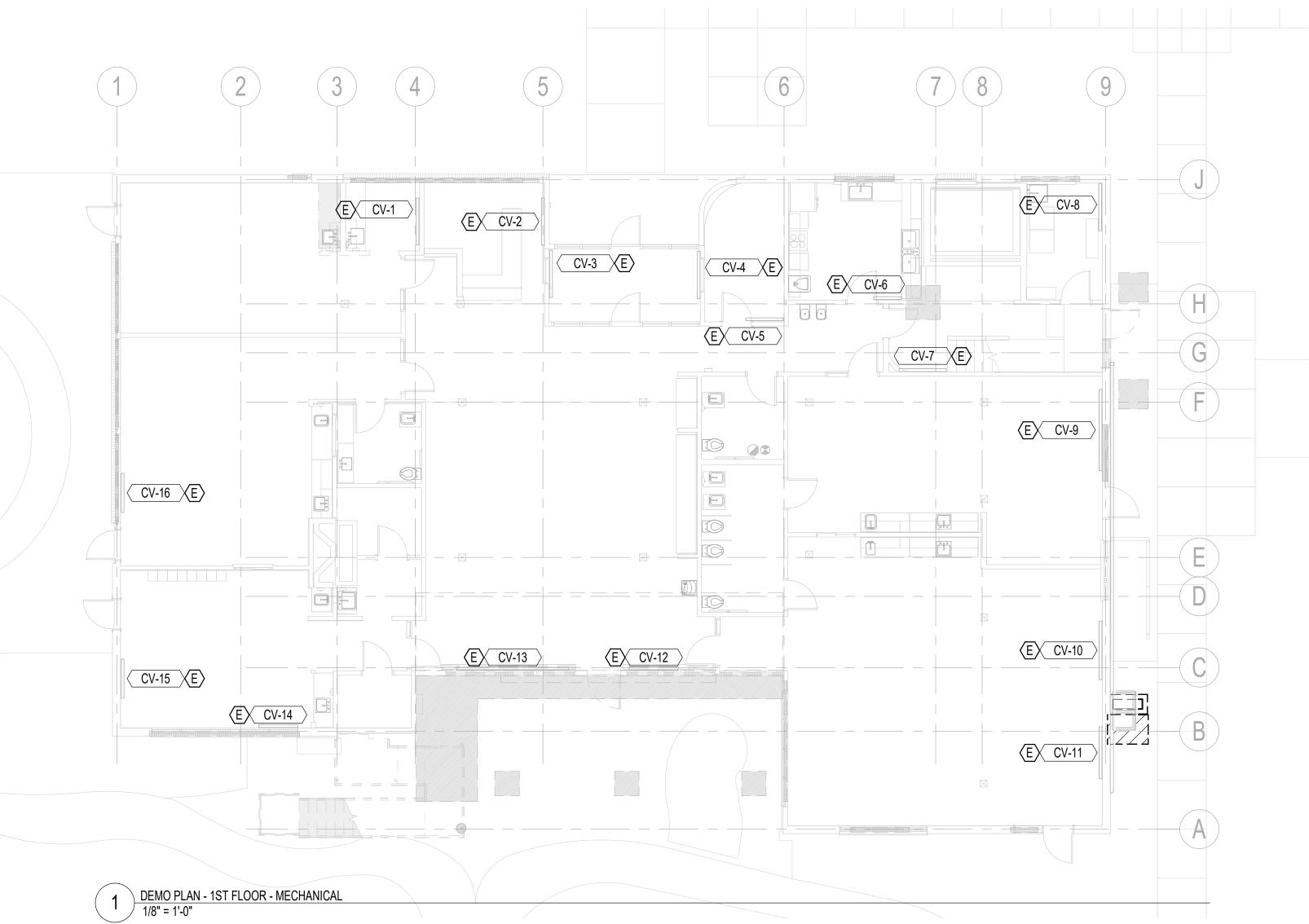
- 1. REFRIGERANT LINES DROP BELOW GRADE AND ROUTE UNDER SIDEWALK. MEET MANUFACTURER'S RECOMMENDED DETAIL FOR BELOW GRADE REFRIGERANT LINE ROUTING.
- 2. ROUTE EACH INSULATED REFRIGERANT LINE IN 4" CORRUGATED TUBING BELOW GRADE.
- 3. ROUTE REFRIGERANT LINES UP SIDE OF BUILDING AND ENTER BUILDING AT ATTIC LEVEL. ALL EXPOSED REFRIGERANT PIPING INSULATION TO BE PROTECTED BY ALUMINUM JACKETING. SUPPORT LINES OFF OF GRADE WITH DURA-BLOCK SUPPORTS (OR SIMILAR).

-(1)

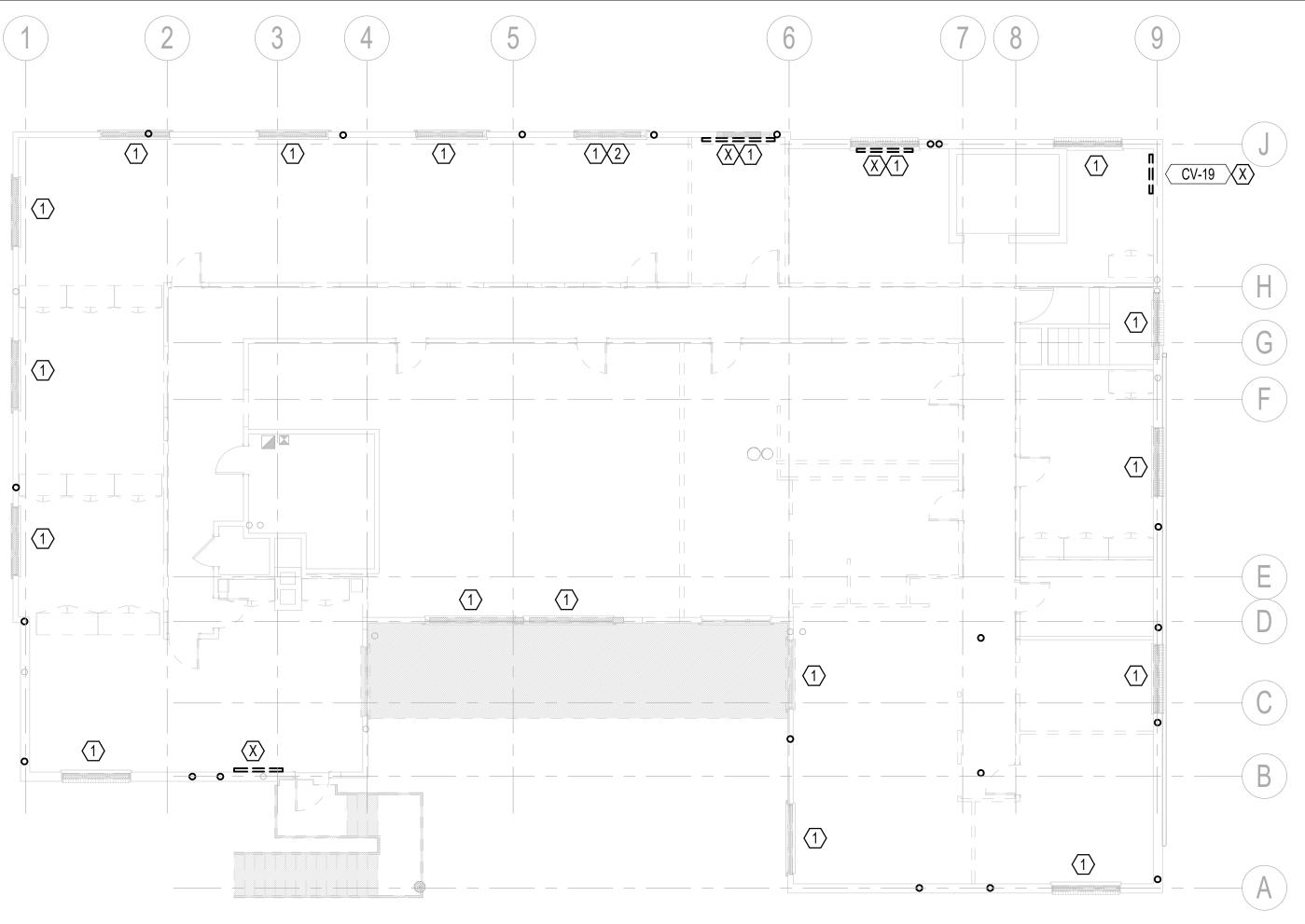












# **GENERAL NOTES:**

- A. VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
- B. OBTAIN THE AIRFLOW AND WATER FLOW MEASUREMENTS FOR THE EXISTING MECHANICAL SYSTEM SERVING THE PROJECT AREA PRIOR TO MODIFICATION OF THE EXISTING SYSTEM.
- C. PATCH AND REPAIR OPENINGS MADE BY REMOVALS.
- DEMOLITION WORK INCLUDES BUT IS NOT LIMITED TO D. THE FOLLOWING: REMOVAL OF EQUIPMENT, SUPPORTS, ANCHORS, PIPING, DUCTWORK AND APPURTENANCES.
- REMOVE MECHANICAL EQUIPMENT, DUCTS, PIPING, CONTROLS, LOW VOLTAGE WIRING, AND ASSOCIATED ITEMS AS SHOWN OR RELATED TO EQUIPMENT TO BE REMOVED. CAP DUCTWORK OR PIPING AT NEAREST LIVE BRANCH.
- COORDINATE WITH OTHER TRADES FOR REQUIRED DEMOLITION OF ELECTRICAL CONDUITS AND ROOFING WORK.
- G. REMOVE EXISTING WALL MOUNTED THERMOSTATS AND CONTROL WIRING ASSOCIATED WITH TERMINAL EQUIPMENT SHOWN TO BE DEMOLISHED.

# ○<u>NOTES:</u>

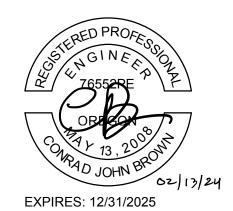
- 1. DEMOLISH CONVECTORS AND ASSOCIATED DISTRIBUTION PIPING AND VALVES. DEMOLISH PIPING BACK TO HW MAIN IN ATTIC. CAP AS REQUIRED.
- 2. DEMOLISH IN FLOOR CONVECTOR AND PATCH FLOOR.



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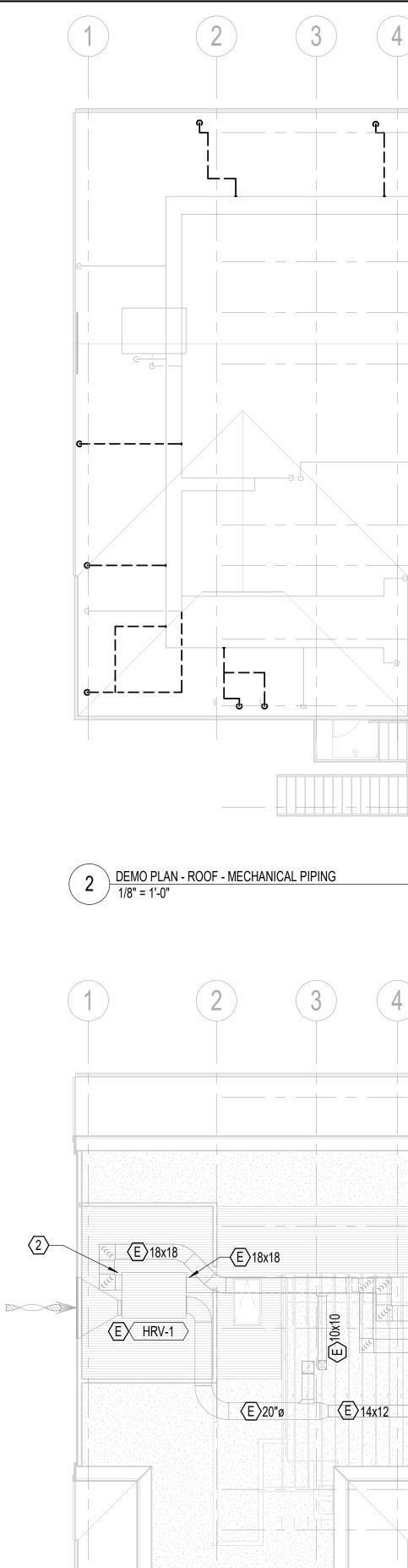
PROJECT TRACKING RBA #: 2327 P.I.C: PM / PA:

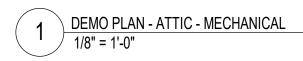
# Owner OSU FRC

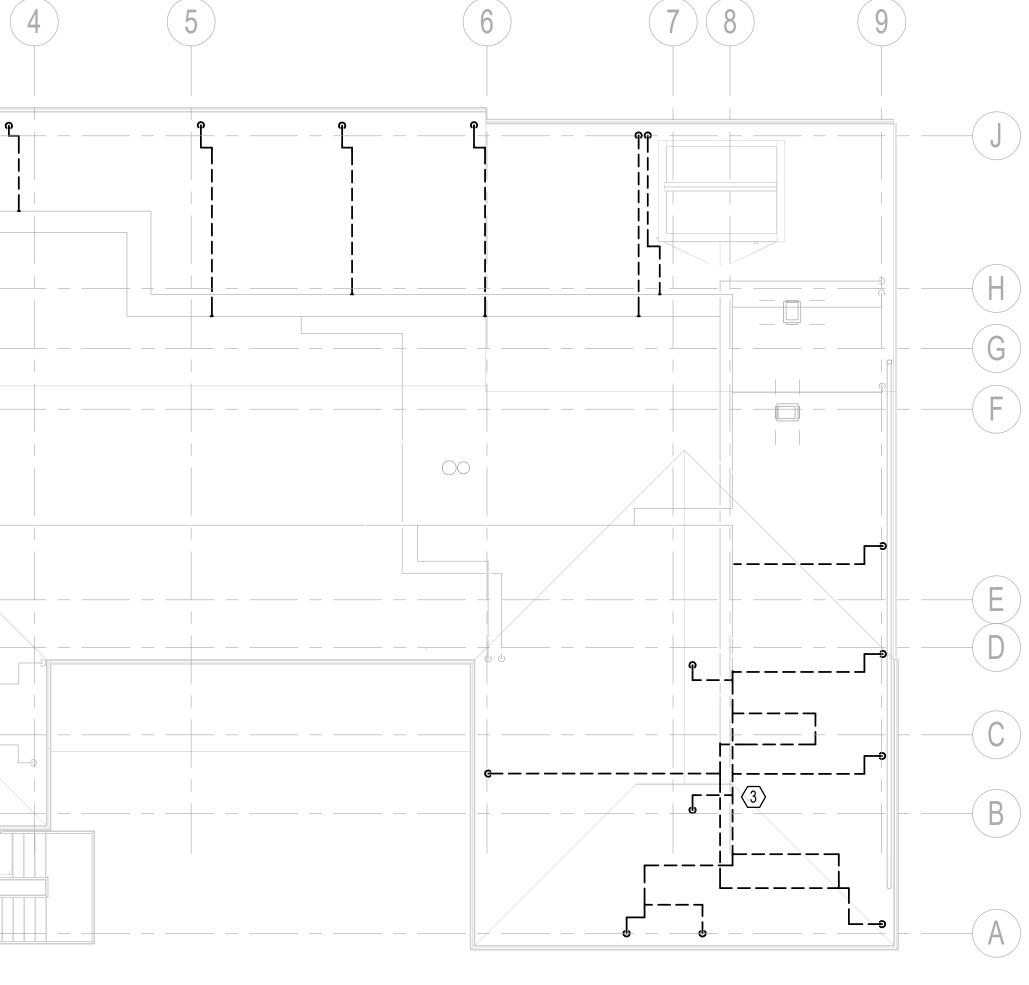
Project Name AZALEA EARLY CHILDHOOD CENTER

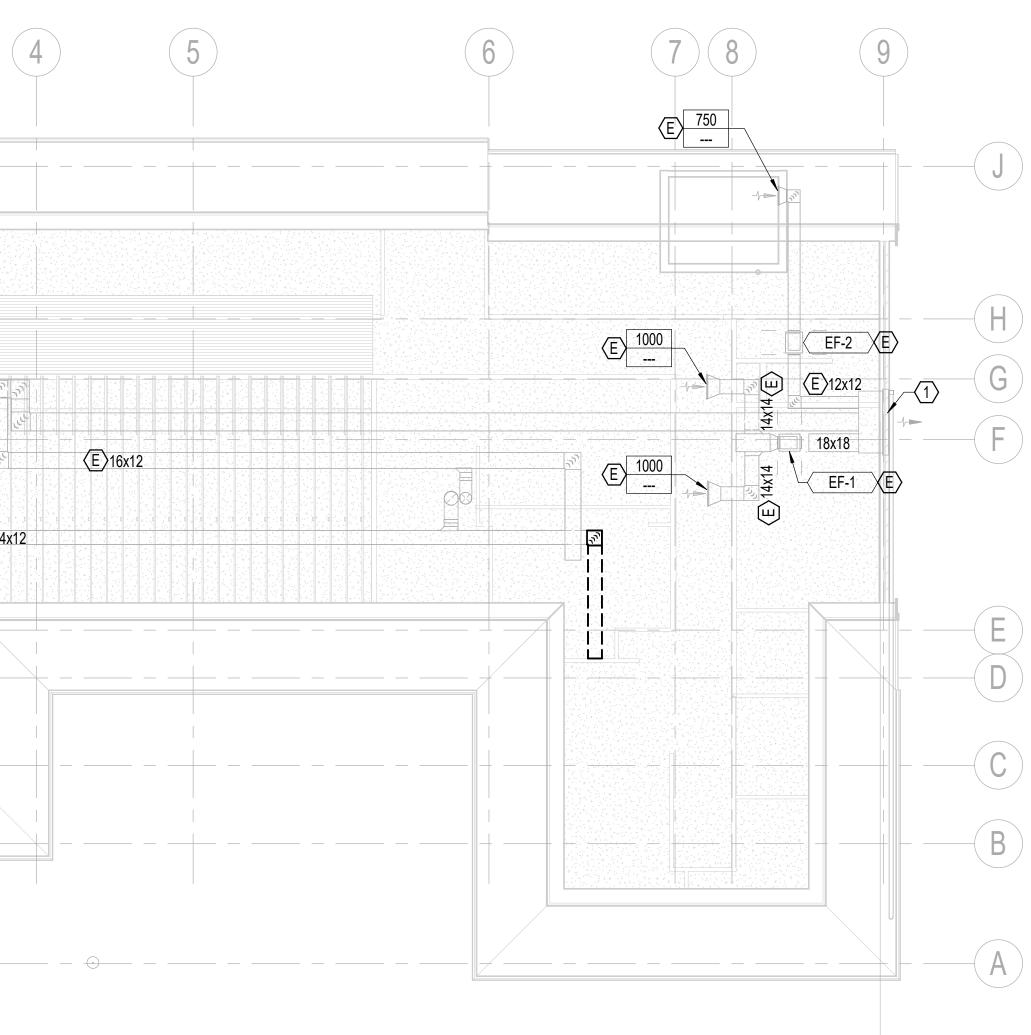
Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

**DEMO FLOOR PLANS -**1ST AND 2ND -MECHANICAL









# **GENERAL NOTES:**

- A. VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
- B. OBTAIN THE AIRFLOW AND WATER FLOW MEASUREMENTS FOR THE EXISTING MECHANICAL SYSTEM SERVING THE PROJECT AREA PRIOR TO MODIFICATION OF THE EXISTING SYSTEM.
- C. PATCH AND REPAIR OPENINGS MADE BY REMOVALS.
- D. DEMOLITION WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING: REMOVAL OF EQUIPMENT, SUPPORTS, ANCHORS, PIPING, DUCTWORK AND APPURTENANCES.
- E. REMOVE MECHANICAL EQUIPMENT, DUCTS, PIPING, CONTROLS, LOW VOLTAGE WIRING, AND ASSOCIATED ITEMS AS SHOWN OR RELATED TO EQUIPMENT TO BE REMOVED. CAP DUCTWORK OR PIPING AT NEAREST LIVE BRANCH.
- F. COORDINATE WITH OTHER TRADES FOR REQUIRED DEMOLITION OF ELECTRICAL CONDUITS AND ROOFING WORK.
- G. REMOVE EXISTING WALL MOUNTED THERMOSTATS AND CONTROL WIRING ASSOCIATED WITH TERMINAL EQUIPMENT SHOWN TO BE DEMOLISHED.

# $\bigcirc$ <u>NOTES:</u>

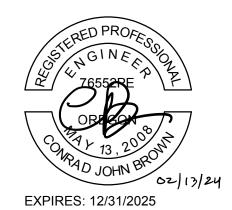
- 1. DEMOLISH HEAT RECOVERY UNIT SERVING THE FIRST FLOOR. IT IS CURRENTLY SIZED TO ONLY SERVE THE FIRST FLOOR VENTILATION PURPOSES. DEMOLISH ATTIC DUCTWORK BACK TO DUCT RISERS TO ALLOW A CLEAN, ACCESSIBLE ATTIC LAYOUT. THE CURRENT LAYOUT DID OT TAKE INTO ACCOUNT THE USE OF THE ATTIC FOR VENTILATION/ AIRFLOW DISTRIBUTION.
- 2. DEMOLISH CONVECTORS AND ASSOCIATED DISTRIBUTION PIPING AND VALVES.
- 3. DEMOLISH HHW PIPING BACK TO MAIN FROM DROPS TO DEMOLISHED WALL RADIATORS ON THE FLOOR BELOW.



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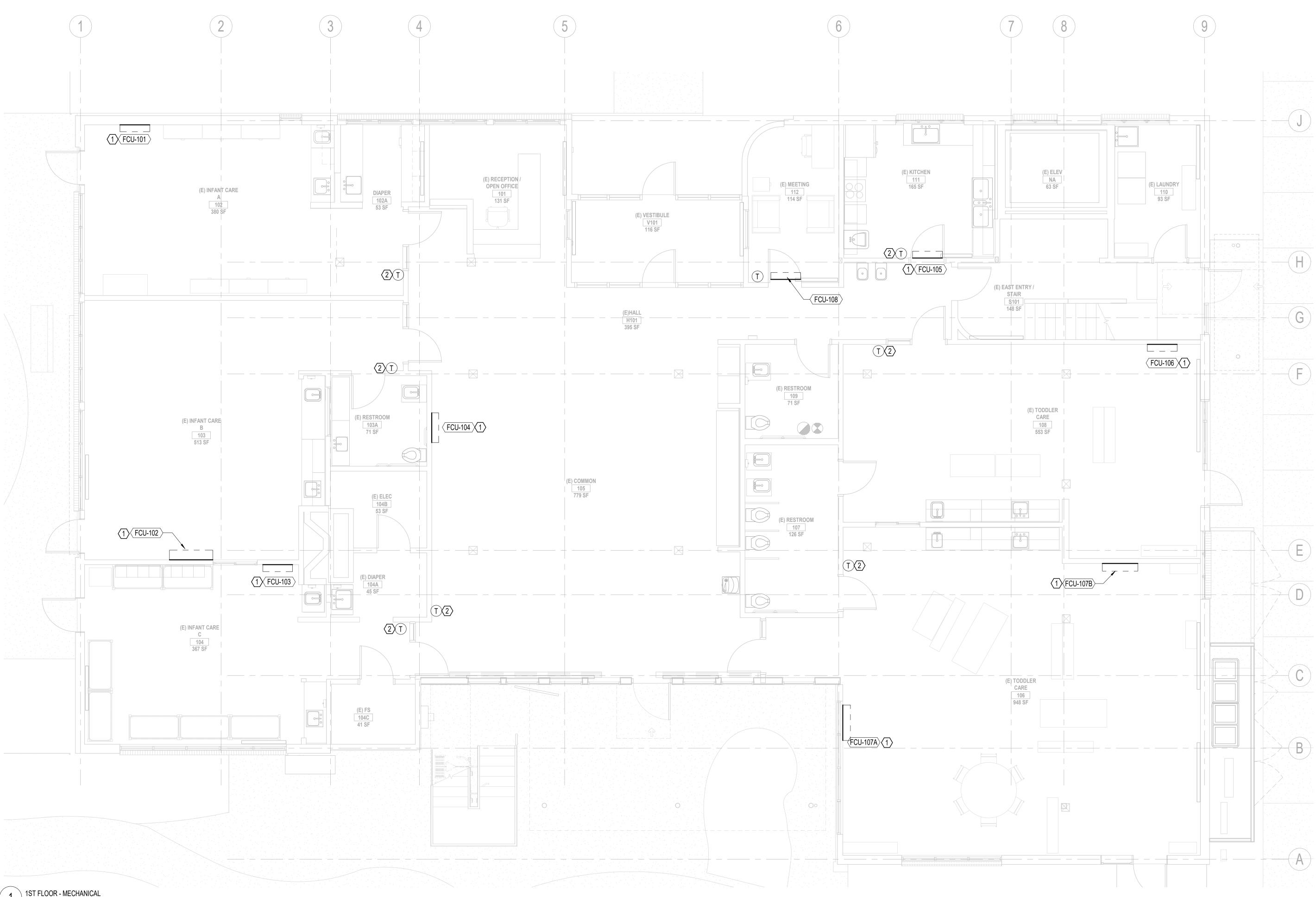
 P.I.C:
 PM / PA:

### Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

DEMO FLOOR PLANS -ATTIC AND ROOF -MECHANICAL



# ○<u>NOTES:</u>

- 1. NEW WALL MOUNTED FAN COIL. REFRIGERANT PIPING ROUTED UP TO ATTIC, CONCEALED IN WALLS/SOFFITS. ROUTE CONDENSATE TO NEAR SINK/LAV TAIL PIECE.
- 2. LOCATE NEW VRF THERMOSTAT ADJACENT TO EXISTING SPACE THERMOSTAT.



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<b>REVISIONS TO THIS SHEET</b>								
REV.	DATE	DESCRIPTION						
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 100% SD
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 RBA #:
 2327

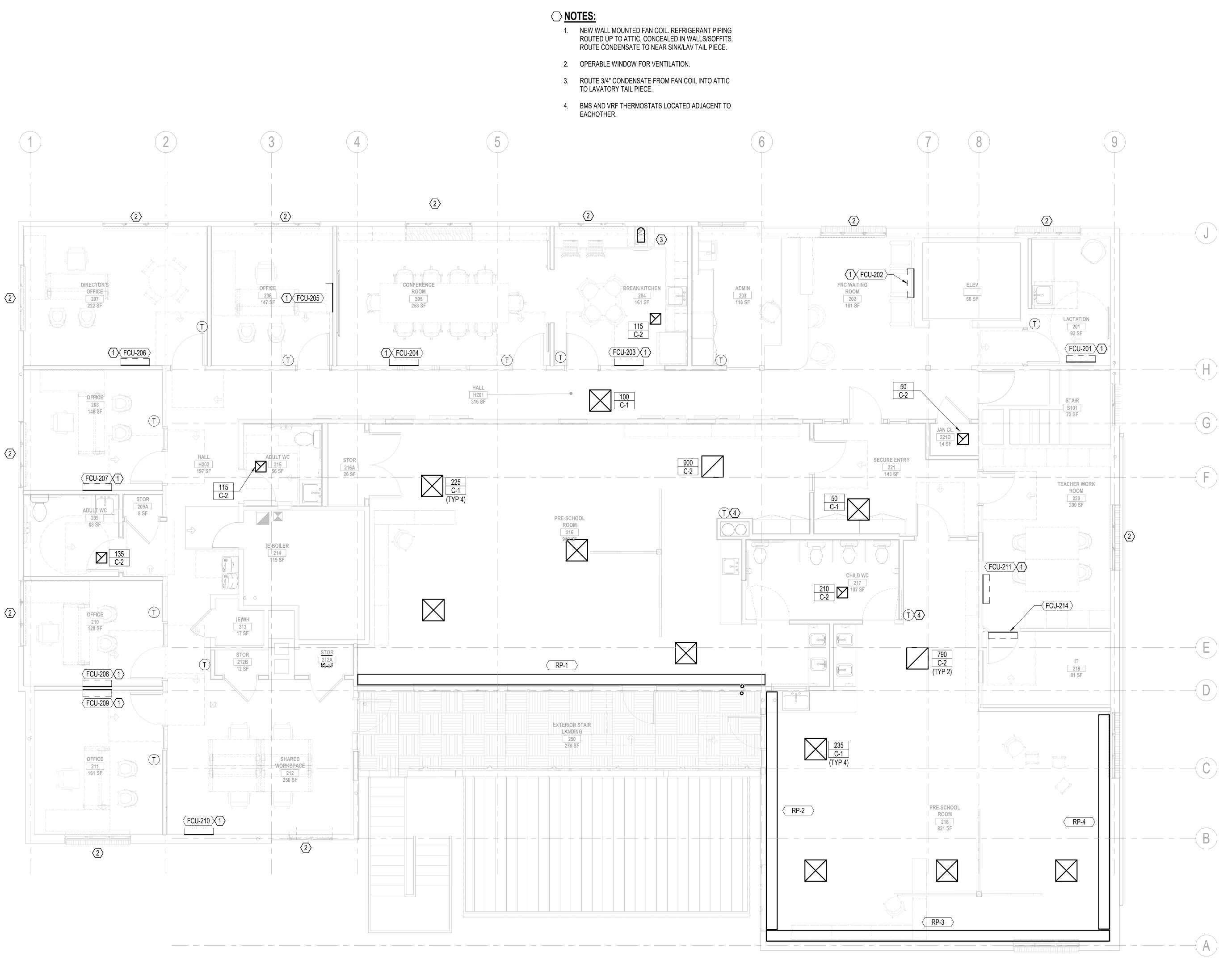
 P.I.C:
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SCHEMATIC 1ST FLOOR PLAN - MECHANICAL



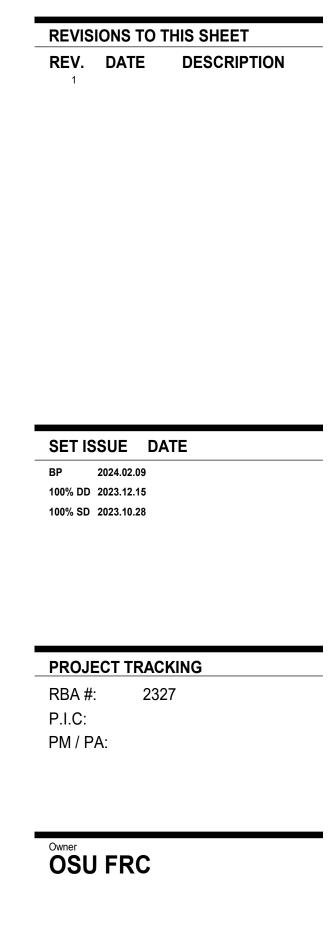


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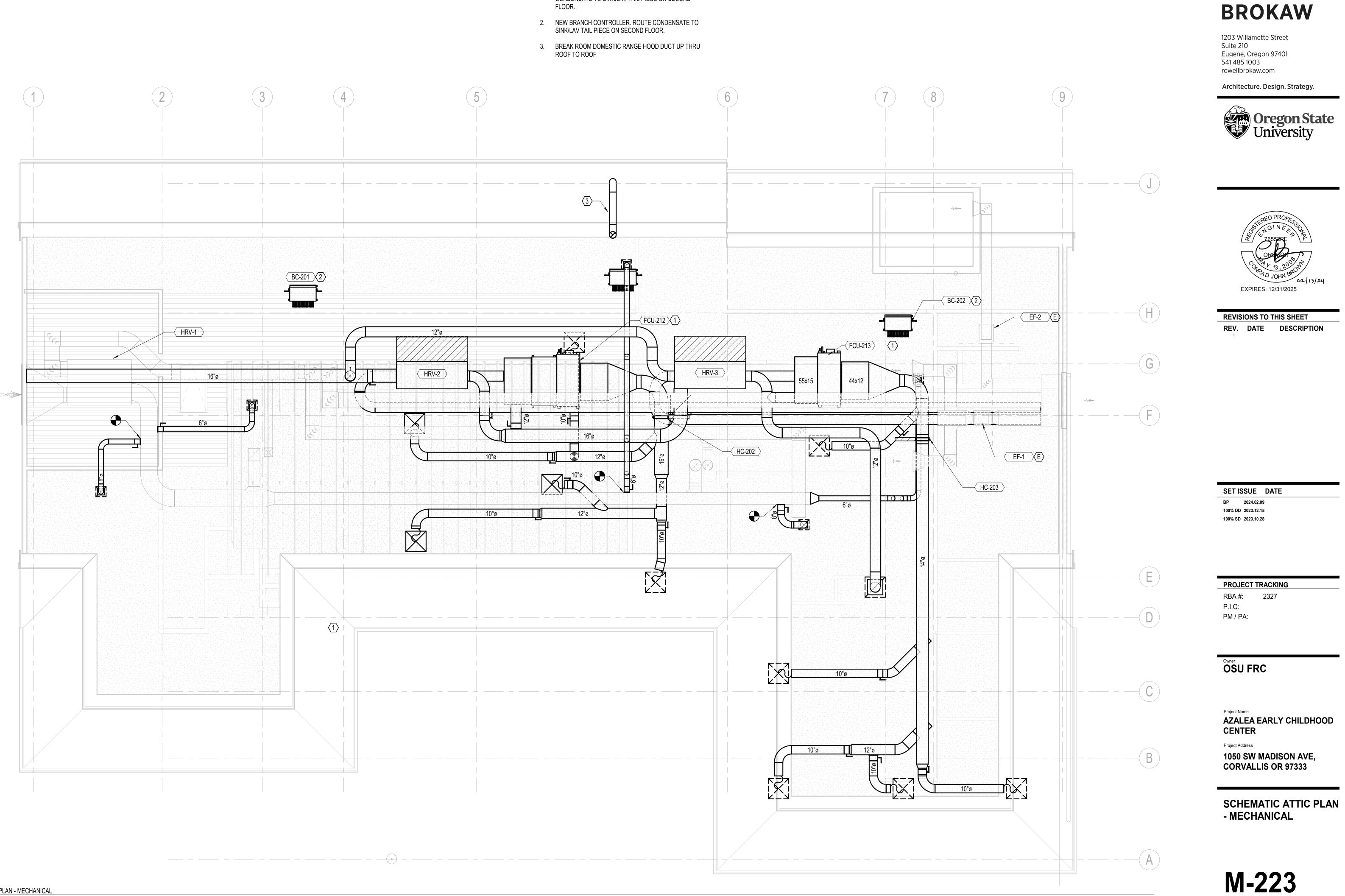


Project Name
AZALEA EARLY CHILDHOOD
CENTER
Project Address

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SCHEMATIC 2ND FLOOR PLAN - MECHANICAL

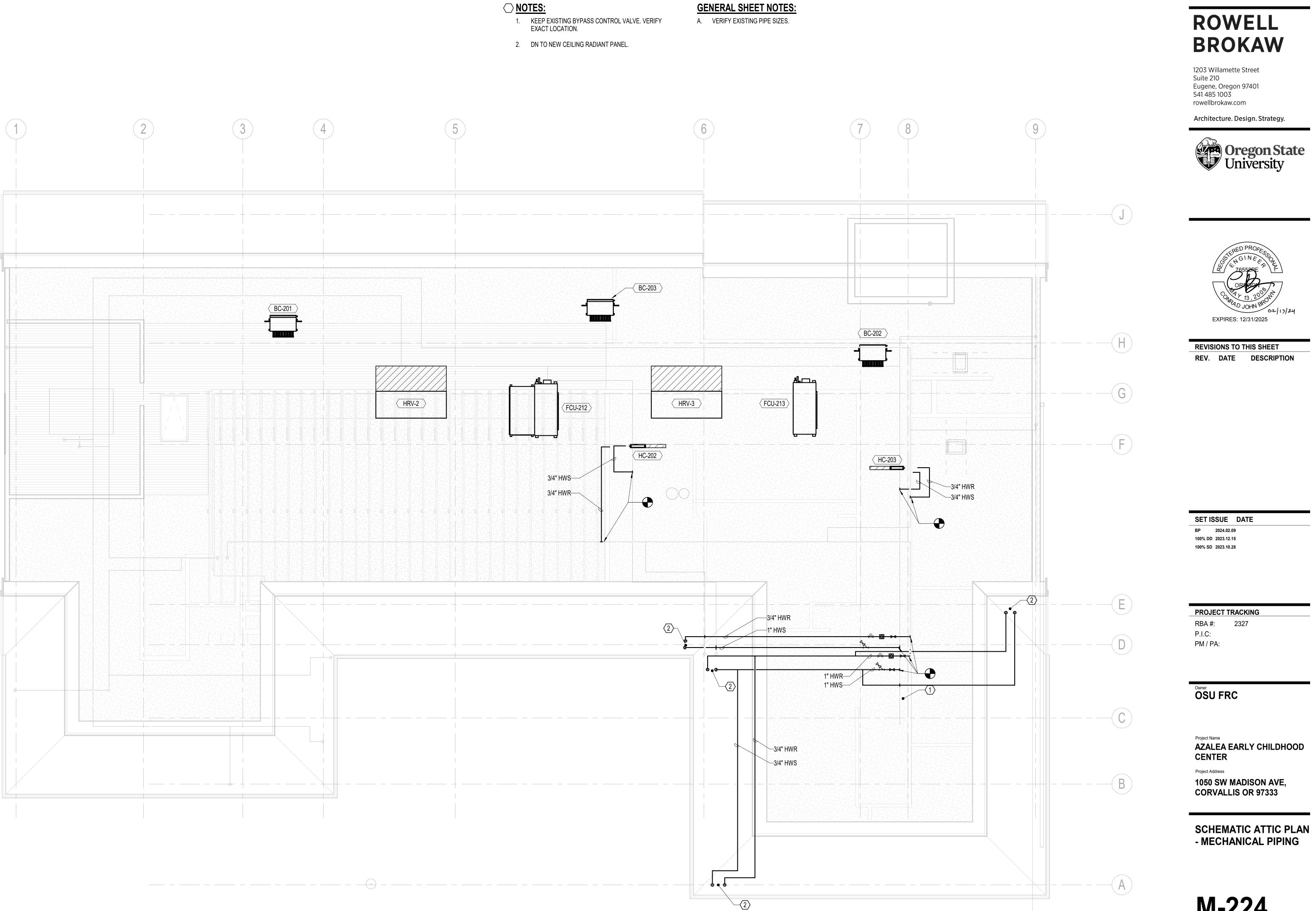


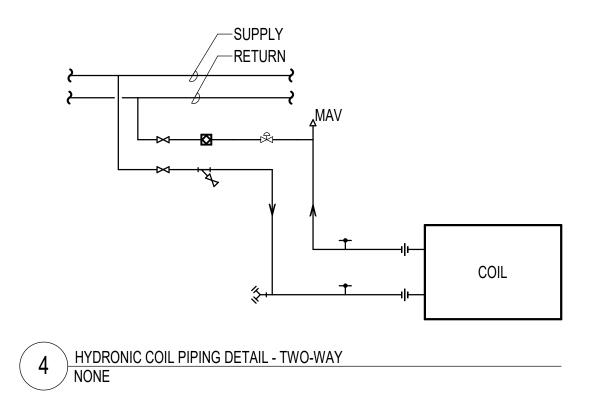


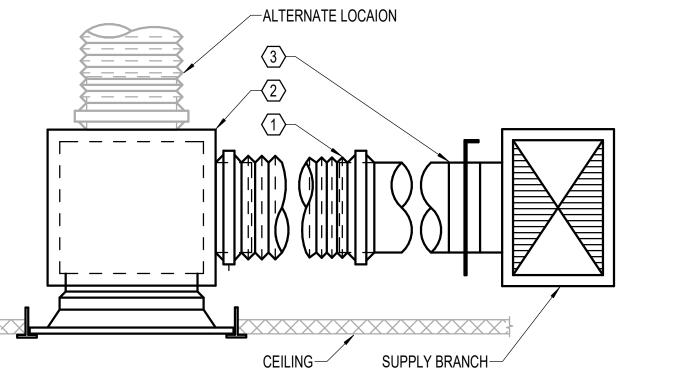
# ○<u>NOTES:</u>

1. NEW DUCTED FAN COIL. ROUTE PRESSURIZED CONDENSATE TO SINK/LAV TAIL PIECE ON SECOND FLOOR.

ROWELL



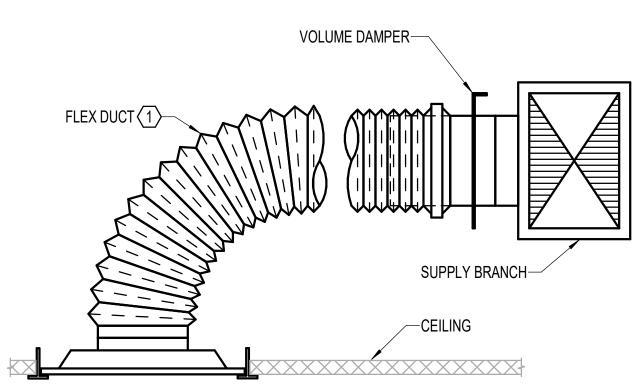




# $\bigcirc$ <u>Notes:</u>

- 1. FLEX DUCT. 4' MAX LENGTH.
- 2. SHEETMETAL PLENUM SIZED 3-INCHES LARGER THAN DIFFUSER DUCT CONNECTION SIZE WITH 1-INCH BLACK DUCT LINER.
- 3. SPIN-IN FITTING WITH VOLUME DAMPER.

1 TYPICAL SQUARE NECK T-BAR DIFFUSER NONE





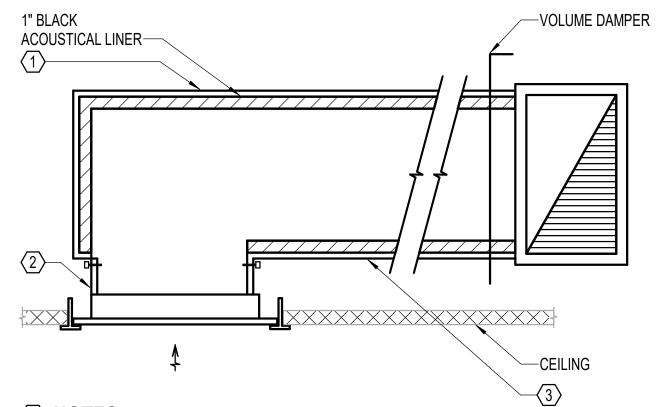
1203 Willamette Street Suite 210 Eugene, Oregon 97401 541 485 1003 rowellbrokaw.com Architecture. Design. Strategy. **Oregon State** University JOH 02/13/24 EXPIRES: 12/31/2025 **REVISIONS TO THIS SHEET** REV. DATE DESCRIPTION SET ISSUE DATE BP 2024.02.09 100% DD 2023.12.15 100% SD 2023.10.28 PROJECT TRACKING RBA #: 2327 P.I.C: PM / PA: Owner OSU FRC Project Name
AZALEA EARLY CHILDHOOD CENTER Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333 **DETAILS - MECHANICAL** 

**M-501** 

# ○ <u>NOTES:</u>

1. 1.5 DIA MINIMUM FLEX DUCT RADIUS (4' MAX LENGTH).

2 DIFFUSER DETAIL - ROUND CONNECTION NONE

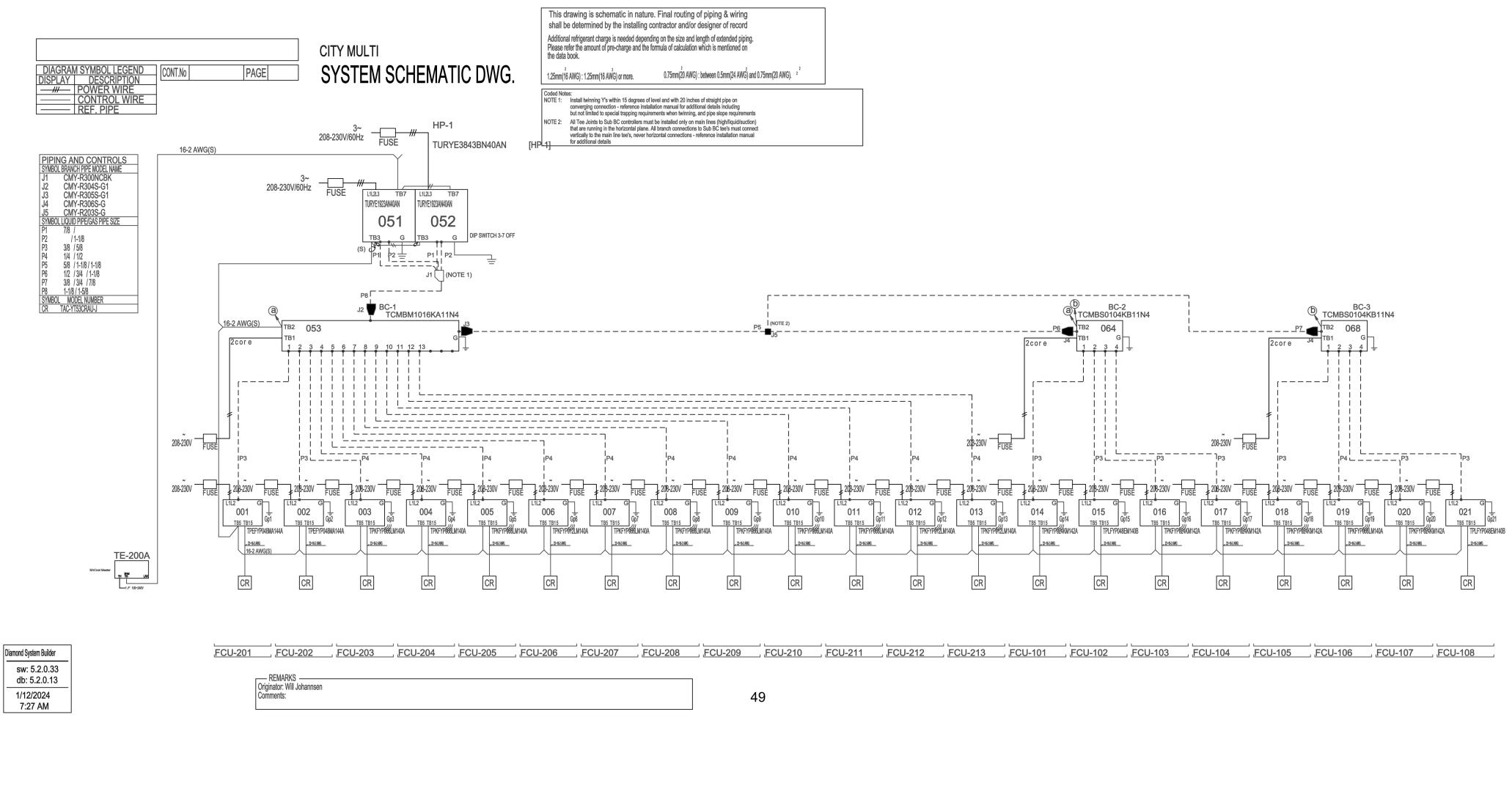


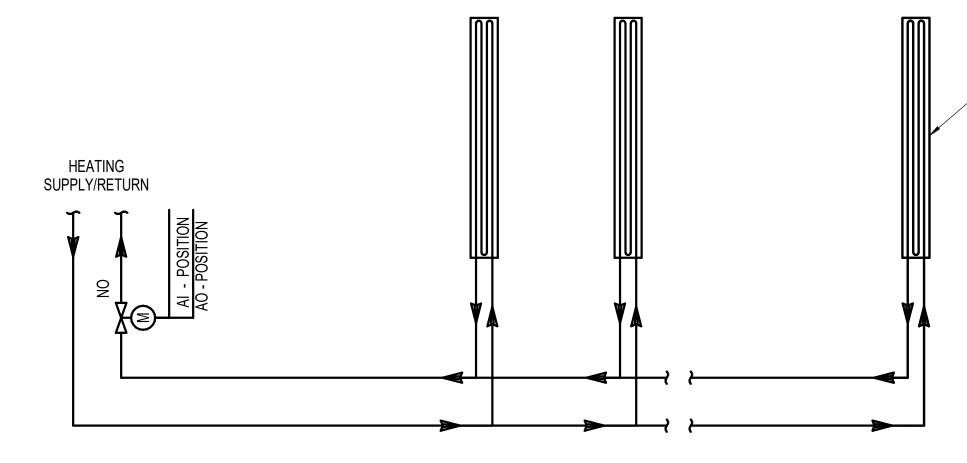
# $\bigcirc$ <u>Notes:</u>

- 1. SHEET METAL DUCT. SEE PLANS FOR SIZE.
- 2. NECK SIZE PER SCHEDULE.
- 3. EXTEND AND CONNECT TO RETURN/EXHAUST SYSTEM.

3 DUCTED RETURN/EXHAUST GRILLE NONE

# AutoCAD Piping & Wiring Diagrams







THREE RADIANT PANELS SHOWN ACTUAL QUANTITY PER ZONE VARIES



HEATING SUPPLY/RETURN

NO

HEATING HOT WATER RADIANT PANEL SEQUENCE OF OPERATION HEATING HOT WATER COIL IS INTENDED TO BE FIRST STAGE OF HEATING.

INTEGRATE NEW CONTROL VALVES AND SPACE TEMPERATURE SENSORS INTO EXISTING

DDC BMS SYSTEM. OCCUPIED MODE SPACE TEMPERATURE CONTROL DURING HEATING MODE (SPACE TEMPERATURE IS BELOW SETPOINT): MODULATE CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE. DURING COOLING MODE: VALVE REMAINS CLOSED. UNOCCPIED MODE SPACE TEMPERATURE CONTROL DURING SETBACK HEATING MODE (SPACE TEMPERATURE IS BELOW SETBACK **TEMPERATURE SETPOINT):** MODULATE CONTROL VALVE TO MAINTAIN SPACE TEMPERATURE. DURING COOLING MODE:

VALVE REMAINS CLOSED.



# **CONTROL NOTES:**

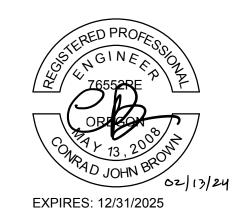
- A. INTEGRATE VRF SYSTEM INTO BMS UTILIZING BACNET INTERFACE.
- BMS TO PROVIDE SCHEDULING TO VRF CONTROLS. В.
- VRF CONTROLS TO SEND SPACE TEMPERATURE, C. GENERAL EQUIPMENT ALARMS, AND CONDENSATE SWITCH/PUMP ALARMS TO BMS.
- D. SPACE TEMPERATURE SETPOINT TO BE SET AT CENTRAL VRF CONTROLLER.

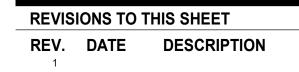


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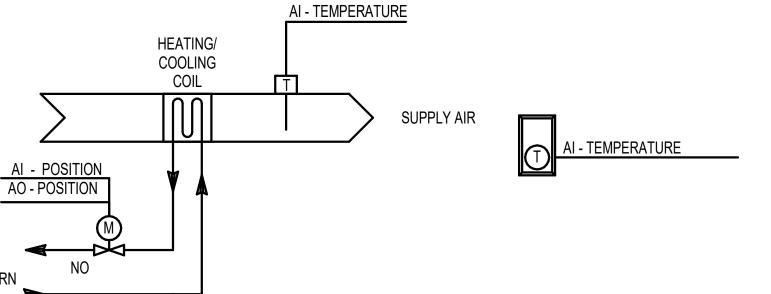
# OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

**CONTROL DIAGRAMS -**MECHANICAL

# **M-701**



HEATING HOT WATER COIL SEQUENCE OF OPERATION

HEATING HOT WATER COIL IS INTENDED TO BE FINAL STAGE OF HEATING.

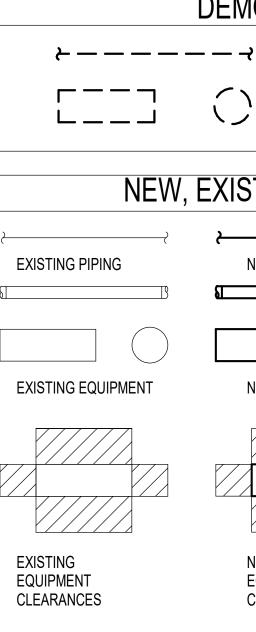
INTEGRATE NEW CONTROL VALVE AND DUCT TEMPERATURE SENSORS INTO EXISTING DDC BMS SYSTEM.

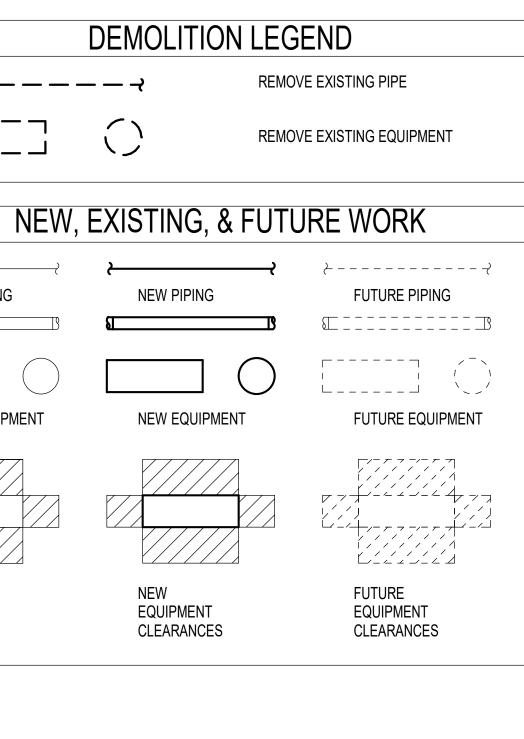
SUPPLY AIR TEMPERATURE CONTROL

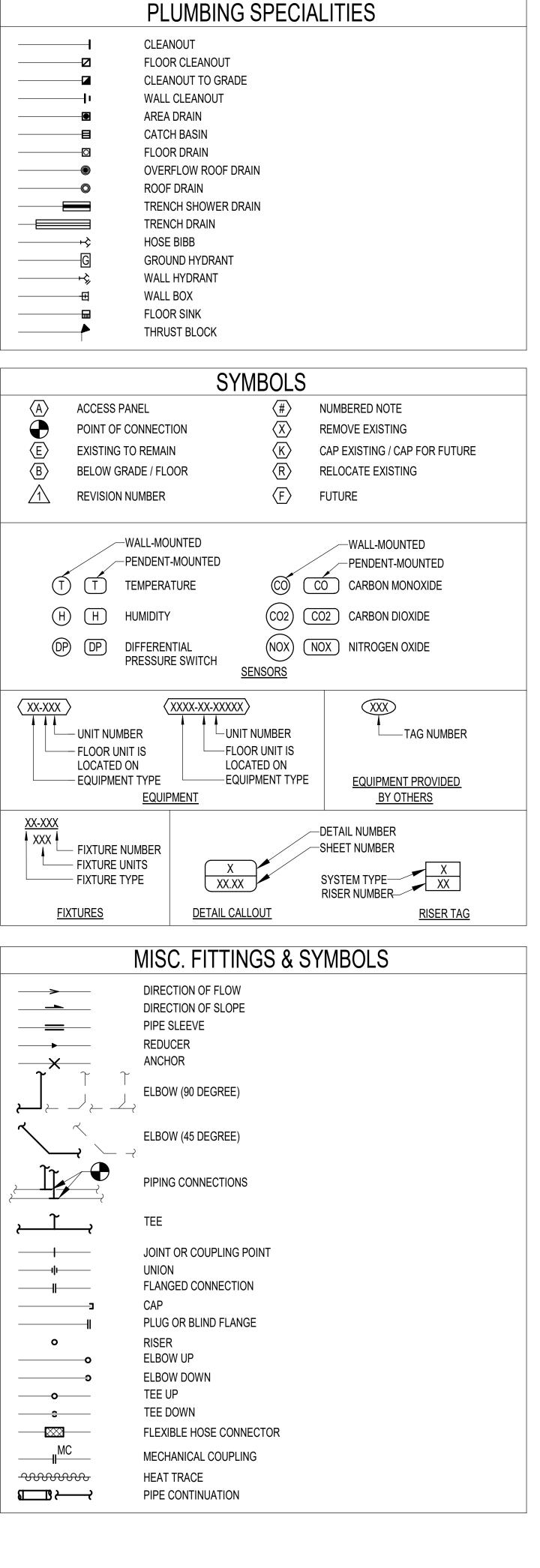
DURING HEATING MODE: IF THE ENTERING AIR TEMPERATURE INTO THE COIL REMAINS BELOW 85DEGREES F FOR MORE THAN 10 MIN. (ADJ.) MODULATE HEATING CONTROL VALVE TO MAINTAIN A SUPPLY AIR TEMPERATURE OF 90 DEGREES F. DURING COOLING MODE:

VALVE REMAINS CLOSED.

# 5







# **GENERAL NOTES:**

_____

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

	AFFLAN ON THE DRAWINGS.
	MISC. VALVES & COCKS
×	SHUTOFF VALVE
—— <b>X</b> ———	GLOBE VALVE
✿	GATE VALVE OS&Y
<b>6</b>	BALL VALVE
II	BUTTERFLY VALVE
<b>N</b>	CHECK VALVE
' <del>'</del> ,	WYE STRAINER
	WYE STRAINER WITH BLOWDOWN
+\$	DRAIN VALVE
	BALANCING VALVE
FC	AUTOMATIC FLOW CONTROL VALVE
<b>&amp;</b>	PRESSURE REDUCING VALVE
—————————————————————————————————————	RELIEF VALVE
₩	TRIPLE DUTY VALVE
——	TWO-WAY CONTROL VALVE
寮	THREE-WAY CONTROL VALVE
	THREE-WAY BALANCING VALVE
	GAS COCK VALVE
	PLUG VALVE
k	BOILER BLOWDOWN VALVE, QUICK OPENING
X	BOILER BLOWDOWN VALVE, Y-PATTERN
•NJ	NON-RETURN STOP VALVE
F&T	FLOAT AND THERMOSTATIC STEAM TRAP
8	INVERTED BUCKET STEAM TRAP
	DOUBLE CHECK VALVE ASSEMBLY (DCVA)
	REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)
<b>N</b> ₩V	BACKWATER VALVE
⊗ ^{PIV}	POST INDICATOR VALVE
⊗ ^{UG}	UNDERGROUND GATE VALVE WITH VALVE BOX
⊠	WATER FLOW METER
Ψ	THERMOMETER
<b>@</b>	PRESSURE GAUGE
	PRESSURE-TEMPERATURE TEST PLUG
<mark>≁</mark> MAV	MANUAL AIR VENT
AAV	AUTOMATIC AIR VENT
F	FLOW SWITCH
Ţ	TEMPERATURE SENSOR
S(SIZE)	SHOCK ARRESTOR
V	VACUUM BREAKER
S	SHUTOFF VALVE WITH TAMPER SWITCH
X	SOLENOID VALVE
P	PRESSURE SENSOR

# PLUMBING SHEET LIST

SHEET #	SHEET NAME
P-001	SYMBOLS, LEGENDS AND ABBREVIATIONS - PLUMBING
P-002	SYMBOLS, LEGENDS AND ABBREVIATIONS - PLUMBING
P-221	SCHEMATIC 1ST FLOOR PLAN - PLUMBING
P-222	SCHEMATIC 2ND FLOOR PLAN - PLUMBING & FIRE PROTECTION
Grand total:	4



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Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

SYMBOLS, LEGENDS **AND ABBREVIATIONS -**PLUMBING

# STANDARD ABBREVIATIONS

٩D	AREA DRAIN	F	DEGREES FAH
AF AFF AHP ALT APD APD APD APD APD APD APD APD APD APD	AMERICANS WITH DISABILITIES ACT AIRFOIL ABOVE FINISHED FLOOR APPARATUS HOUSING PLENUM ALUMINUM ALTERNATIVE ACCESS PANEL AIR PRSSURE DROP APPROXIMATELY ARCHITECT, ARCHITECTURAL AUTOMATIC SPRINKLER AUTOMATIC SPRINKLER AUTOMATIC BACKDRAFT DAMPER BELOW FINISHED FLOOR BREAK HORESPOWER BACKWARD INCLINED BUILDING BOTTOM OF PIPE BOTTOM OF STRUCTURE BASEMENT BRITISH THERMAL UNIT BRITISH THERMAL UNIT BRITISH THERMAL UNITS PER HOUR BUTTERFLY VALVE BALANCING VALVE CALCULATION CATCH BASIN CUBIC FEET PER HOUR CUBIC FEET PER MINUTE CUBIC FEET PER MINUTE CUBIC FEET PER MINUTE CUBIC FEET PER SECOND CAST IRON CENTERLINE CEILING OR COOLING CARBON MONOXIDE CLEANOUT CONCRETE CONNECT, CONNECTION CONTINUED, CONTINUATION CIRCULATING PUMP CLEANOUT TO GRADE CHECK VALVE DRY BULB DIRECT DIGITAL CONTROL DEFLECTION DRINKING FOUNTAIN DRAINAGE FIXTURE UNIT DEIONIZED DIAMETER DUCTILE IRON PIPE DOWN (PENETRATES FLOOR) DEW POINT DRAIN DRAIN VALVE DROP (WITHIN FLOOR) DOUBLE WIDTH DOUBLE INLET	FC FCO FD FDC FIG FLA EX FP FPB FS FS FT FT FU V (F) G G G G G G G G G G G G G G G G G G G	FORWARD CU FLOOR CLEAN FIRE DAMPER FLOOR DRAIN FIRE DEPARTN FINISHED FLO FIGURE FLOOR FULL LOAD AN FLEXIBLE FIRE PUMP FLUID PRESSU FEET PER MIN FEET PER SEC FLOOR SINK FIRE SMOKE D FEET/FOOT FINNED TUBE FLUSH TANK FIXTURE UNIT FLUSH VALVE FUTURE GRADE GAGE/GAUGE GALLON GALVANIZED GLYCOL GROUND HYDI GALLONS PER GATE VALVE HEIGHT HOSE BIBB HUB DRAIN HORIZONTAL HORIZONTAL HORSEPOWEF HOUR HORIZONTAL HORSEPOWEF HOUR HORIZONTAL HORSE DIAME" INVERT ELEVA INCH, INCHES INSULATION IRON PIPE SIZ ISOMETRIC ISOLATOR, ISO
DWG (E), EXIST EAT C C C M DB EW FF EFT ELEC LEV NGR Q QUIP S SP T SP T WB WC WH WT X XP	DRAWING EXISTING ENTERING AIR TEMPERATURE EXTENDED COVERAGE ELECTRONICALLY COMMUTATED MOTOR ENTERING DRY BULB EMERGENCY EYE WASH	KW KWH L LAT LAV LB LDB LF LFT LVG LWB LWT	KILOWATT KILOWATT HO LENGTH LEAVING AIR T LAVATORY POUND LEAVING DRY LINEAR FEET LEAVING FLUII
	ÉÁT EC ECM EDB EEW	AFF       AIRFOIL         AFF       ABOVE FINISHED FLOOR         AFF       ABOVE FINISHED FLOOR         ALP       APPARATUS HOUSING PLENUM         AL       ALUMINUM         ALTERNATIVE       APPARATUS HOUSING PLENUM         APD       AIR PRSSURE DROP         APD       AIR PRSSURE DROP         APD       ARCHCACKESPONER         APD       AUTOMATIC SPRINKLER         AUTO       AUTOMATIC SPRINKLER         BDD       BACKWARD INCLINED         BDD       BACKWARD INCLINED         BDD       BOTTOM OF STRUCTURE         SBMT       BASEMENT         STU       BUTTERFLY VALVE         SW       BALANCING VALVE         CALC       CACCH BASIN         CFH       CUBIC FEET PER MOUR         CFM       CUBIC FEET PER MOUR         CFM <td>AF     ARFOIL     FCO       AFF     ABOVE FINISHED FLOOR     FD       ALP     APPARATUS HOUSING PLENUM     FD       AL     ALUMINUM     FDC       AL     ALUMINUM     FDC       AL     ALTERNATIVE     FFE       AP     ACCESS PANEL     FIG       APD     ALTERNATIVE     FL       APPROX     APPROXIMATELY     FLA       ARCH     ARCHITECT, ARCHITECTURAL     FLEX       AS     AUTOMATIC     FPD       SDD     BACKDRAFT DAMPER     FPD       SDD     BACKDRAFT DAMPER     FPS       SHP     BREAK HORESPOWER     FS       SDLG     BULDING     FT       SOD     BOTTOM OF PIPE     FT       SND     BACKWARD INCLINED     FSD       SUGB     BUTIOM OF STRUCTURE     FLT       SND     BASEMENT     FU       STUH     BRITISH THERMAL UNIT     FV       STUH     BRITISH THERMAL UNITS     FR       SUG     BALANCING VALVE     G       SCALC     CALCULATION     GAL       CALC     CALCULATION     GAL       CALC     CALCULATION     GAL       CPH     CUBIC FEET PER MOUR     GAL       CPH     CUBIC FEET</td>	AF     ARFOIL     FCO       AFF     ABOVE FINISHED FLOOR     FD       ALP     APPARATUS HOUSING PLENUM     FD       AL     ALUMINUM     FDC       AL     ALUMINUM     FDC       AL     ALTERNATIVE     FFE       AP     ACCESS PANEL     FIG       APD     ALTERNATIVE     FL       APPROX     APPROXIMATELY     FLA       ARCH     ARCHITECT, ARCHITECTURAL     FLEX       AS     AUTOMATIC     FPD       SDD     BACKDRAFT DAMPER     FPD       SDD     BACKDRAFT DAMPER     FPS       SHP     BREAK HORESPOWER     FS       SDLG     BULDING     FT       SOD     BOTTOM OF PIPE     FT       SND     BACKWARD INCLINED     FSD       SUGB     BUTIOM OF STRUCTURE     FLT       SND     BASEMENT     FU       STUH     BRITISH THERMAL UNIT     FV       STUH     BRITISH THERMAL UNITS     FR       SUG     BALANCING VALVE     G       SCALC     CALCULATION     GAL       CALC     CALCULATION     GAL       CALC     CALCULATION     GAL       CPH     CUBIC FEET PER MOUR     GAL       CPH     CUBIC FEET

VALUE	TD TDH TDL TEMP TMV	TRENCH DRAIN TOTAL DISCHARGE HEAD TOTAL DEVELOPED LENGTH TEMPERATURE THERMOSTATIC MIXING VALVE
	TOP TP TS	TOP OF PIPE TRAP PRIMER VALVE TAMPER SWITCH
TION	TSP TYP U	TOTAL STATIC PRESSURE TYPICAL URINAL
	UG UP UON V	UNDERGROUND UP (PENETRATES FLOOR SLAB) UNLESS OTHERWISE NOTED VOLTS
	VB VD VEL VERT	VACUUM BREAKER VOLUME DAMPER VELOCITY VERTICAL
_VE	VFD VTR W WB	VARIABLE FREQUENCY DRIVE VENT THROUGH ROOF WIDTH WET BULB
	WC WCO WFU WG	WATER CLOSET WALL CLEANOUT WATER FIXTURE UNITS WATER GAUGE
	WH WHA WPD WTD	WALL HYDRANT WATER HAMMER ARRESTOR WATER PRESSURE DROP WATER TEMPERATURE DROP
E)	WTR W/ W/O	WATER TEMPERATURE RISE WITH WITHOUT

	W	WASTE ABOVE GRADE
	W	WASTE BELOW GRADE
	PW	PUMPED WASTE ABOVE GRADE
	PW	PUMPED WASTE BELOW GRADE
	SD	STORM DRAIN ABOVE GRADE
	SD	STORM DRAIN BELOW GRADE
	PSD	PUMPED STORM DRAIN ABOVE GRADE
	PSD	PUMPED STORM DRAIN BELOW GRADE
	OD	OVERFLOW DRAIN ABOVE GRADE
	OD	OVERFLOW DRAIN BELOW GRADE
	GW	GREASE WASTE ABOVE GRADE
	GW	GREASE WASTE BELOW GRADE
	GV	GREASE VENT
	D	DRAIN (CONDENSATE/INDIRECT)
	V	VENT
	CW	COLD WATER
	HW	HOT WATER
	RHW	RECIRCULATING HOT WATER
	TW	TEMPERED WATER
	HTW	HIGH TEMPERATURE HOT WATER
	RHTW	HIGH TEMPERATURE RECIRCULATING HOT WATER
	RTW	RECIRCULATING TEMPERED WATER
	ICW	INDUSTRIAL COLD WATER
		INDUSTRIAL HOT WATER
	IRHW	INDUSTRIAL RECIRCULATING HOT WATER
	G MG	NATURAL GAS (LOW PRESSURE) NATURAL GAS (MEDIUM PRESSURE)
	GV	GAS VENT
	FOF	FUEL OIL FILL
	FOR	FUEL OIL RETURN
	FOS	FUEL OIL SUPPLY
	FOV	FUEL OIL VENT
	IRR	IRRIGATION
	NPW	NON-POTABLE WATER
	LP	LOW PRESSURE COLD WATER
	LP	LOW PRESSURE HOT WATER
<u> </u>	LP	LOW PRESSURE RECIRCULATING HOT WATER
	HP	HIGH PRESSURE COLD WATER
	HP	HIGH PRESSURE HOT WATER
	HP	HIGH PRESSURE RECIRCULATING HOT WATER
	DWS	DRINKING WATER SUPPLY (CHILLED)
	DWR	DRINKING WATER RETURN (CHILLED)
	IW	
	WW	WELL WATER
	AV	
	AW	ACID WASTE ABOVE GRADE
	AW	ACID WASTE BELOW GRADE
		DEIONIZED WATER SUPPLY
	DIR DRC	DEIONIZED WATER RETURN DEIONIZED WATER RECLAIM
	EWS	ENERGENCY EYEWASH & SHOWER
	EWS DS	DISTILLED WATER
	DS RO	DISTILLED WATER REVERSE OSMOSIS WATER
	ROR	REVERSE OSMOSIS WATER
	SHWS	SOLAR HOT WATER SUPPLY
	SHWR	SOLAR HOT WATER SUPPLY
	DA	DENTAL AIR
	DV	DENTAL VACUUM
	FW	FLUORIDE WASTE ABOVE GRADE
<b></b>	FW	FLUORIDE WASTE BELOW GRADE

# PLUMBING PIPING

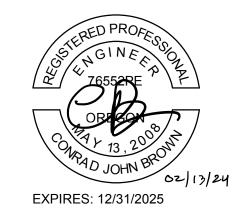
 SR	SILVER RECOVERY
 MA	MEDICAL AIR
 MAI	MEDICAL AIR INTAKE
 MV	MEDICAL VACUUM
 MVE	MEDICAL EVACUATION EXHAUST
 MVEX	MEDICAL VACUUM EXHAUST
 WAGD	WASTE ANESTHETIC GAS DISPOSAL
 N2O	NITROUS OXIDE
 02	OXYGEN
 IA	
 IAI	INSTRUMENT AIR INTAKE
 A	COMPRESSED AIR
 AR	ARGON
 ATV	ATMOSPHERIC VENT
 CAS	CLEAN AIR SUPPLY
 CBG	CARBOGEN
 CDA	CLEAN DRY AIR
 CHL	CHLORINE
 CO2	CARBON DIOXIDE
 DCL	DECHLORINATED WATER
HPA	HIGH PURITY AIR
H2	HYDROGEN
N2	NITROGEN
LP	
LF	
LV LN2	LIQUID NITROGEN
LW	LAB WASTE ABOVE GRADE
 LW	LAB WASTE ABOVE GRADE
 LWV	LAB WASTE BELOW GRADE
 PCW	PROCESS COLD WATER
 PGW	PROCESS COLD WATER PROCESS GREY WATER
 PGW	PNEUMATIC TUBE
 SL	SLURRY LINE
 PD	PUMPED DISCHARGE
 VPD	VACUUM PUMP DISCHARGE
 ADV	ALUMINUM DUST VACUUM
 CV	
 •	HOUSECLEANING VACUUM
 DMV	
 EV	
 PV	PROCESS VACUUM
 WMV	WET MOP VACUUM



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PROJECT TRACKING 2327 RBA #: P.I.C: PM / PA:

# Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

SYMBOLS, LEGENDS AND ABBREVIATIONS -PLUMBING

# PLUMBING FIXTURE SCHEDULE

TAG			ROUG	H-IN SIZE (IN	CHES)			ELEC.	
NUMBER	FIXTURE TYPE	W	V	CW	HW	TW	GPM/GPF	CONNECTION	
WC-1	WATER CLOSET	4	2	1-1/2	-	-	1.28	N	WALL HUNG, (SENSOR OR MANUAL)
WC-2	WATER CLOSET	4	2	1-1/2	-	-	1.28	N	WALL HUNG, (SENSOR OR MANUAL)
L-1	LAVATORY	2	1-1/2	1/2	1/2	-	0.5	N	WALL HUNG, (SENSOR) FAUCET, (AD
S-1	SINK (CLASSROOM)	2	1-1/2	3/4	3/4	-	1.5	-	COUNTERTOP, (ADA)
S-2	SINK (CLASSROOM)	2	1-1/2	3/4	3/4	-	1.5	-	COUNTERTOP , (ADA)
S-3	SINK	2	1-1/2	3/4	3/4	-	1.5	-	COUNTERTOP, (SINGLE) COMPARTM
S-4	SINK	2	1-1/2	3/4	3/4	-	1.5	-	COUNTERTOP, (SINGLE) COMPARTM
DF-1	DRINKING FOUNTAIN	2	1-1/4	1/2	-	-		N	WALL HUNG, (DUAL) HEIGHT, (ADA),

A. NONE. B. NONE. <u>NOTES:</u> 1. NONE. 2. NONE.

# DRAINS AND CLEANOUTS SCHEDULE

TAG	TYPE	MANUFACTURER & MODEL	TRAP PRIMER CONNECTION (Y/N)	
FD-1	FLOOR DRAIN	JAY R SMITH 2005 SERIES	Y/N	FINISHED AREAS, ROU NO-HUB OUTLET
GENERAL	NOTES:		•	
A. NONE.				
B. NONE.				
NOTES:				
1. NONE.				
2. NONE.				

		PIPE SCHEDULE
	SERVICE	MATERIAL
	ABOVE GRADE - 4" AND SMALLER	COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE L, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.22 SOLDERED JOINTS, ANSI B16.50 BRAZED JOINTS (PIPING 2 INCHES AND LARGER).
SANITARY WASTE	BELOW GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH 28 GAUGE 304 STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
	ABOVE GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
	BELOW GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH 28 GAUGE 304 STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
SANITARY VENT	BELOW GRADE	SCHEDULE 40 PVC OR ABS DWV: ASTM D2665-85a, ASTM D3311-82.
	ABOVE GRADE	CAST IRON SOIL PIPE, SERVICE WEIGHT (NO HUB): NO HUB PIPE AND FITTINGS ASTM A74, CISPI, WITH STAINLESS STEEL CLAMP AND CORRUGATED SHIELD ASSEMBLIES HAVING NEOPRENE GASKETS ASTM C564, CISPI 310-90.
	ABOVE GRADE	SCHEDULE 40 PVC OR ABS DWV: ASTM D2665-85a, ASTM D3311-82. NOT ALLOWED IN AIR PLENUMS.
٨	/ISC. INDIRECT WASTE	COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE L, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.22 SOLDERED JOINTS.
	PUMPED WASTE	COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE L, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.22 SOLDERED JOINTS, ANSI B16.50 BRAZED JOINTS (PIPING 2 INCHES AND LARGER).
TRAP PRIMING LINES		COPPER: ASTM B88 HARD DRAWN COPPER TUBING, TYPE L ANNEALED, WROUGHT COPPER FITTINGS (150 PSI SERVICE), ANSI B16.22 SOLDERED JOINTS.

DESCRIPTION	NOTES
) FLUSH VALVE	
) FLUSH VALVE, ADA	
DA)	
MENT, (ADA)	
MENT, (ADA)	
, (BOTTLE FILLER)	

DESCRIPTION

ROUND NICKEL BRONZE VANDAL RESISTANT GRATE, CAST IRON BODY, FLASHING COLLAR, ADJUSTABLE STRAINER,



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CORPECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFECTOR CONFEC
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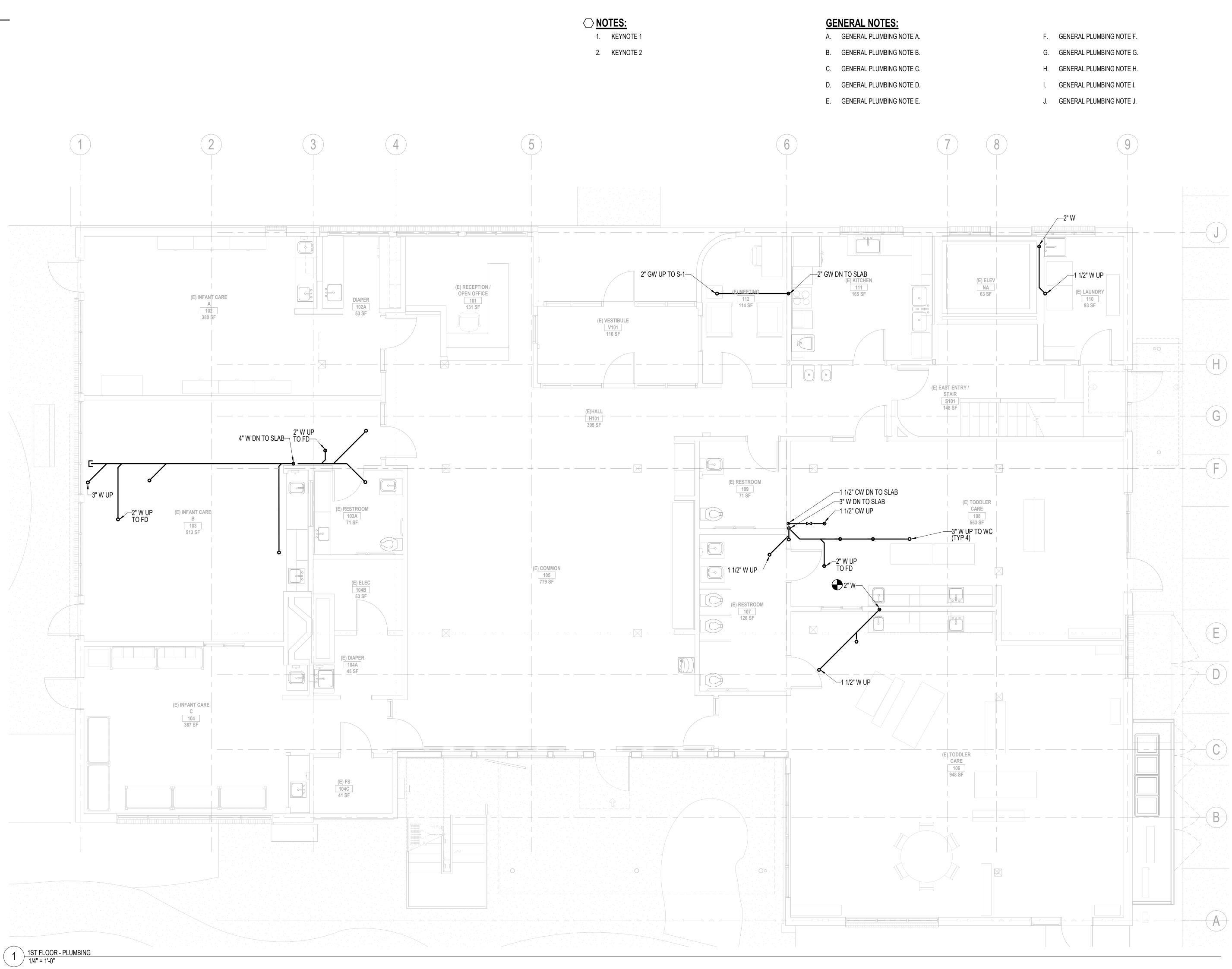
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Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

EQUIPMENT SCHEDULE
- PLUMBING



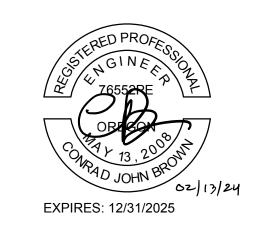




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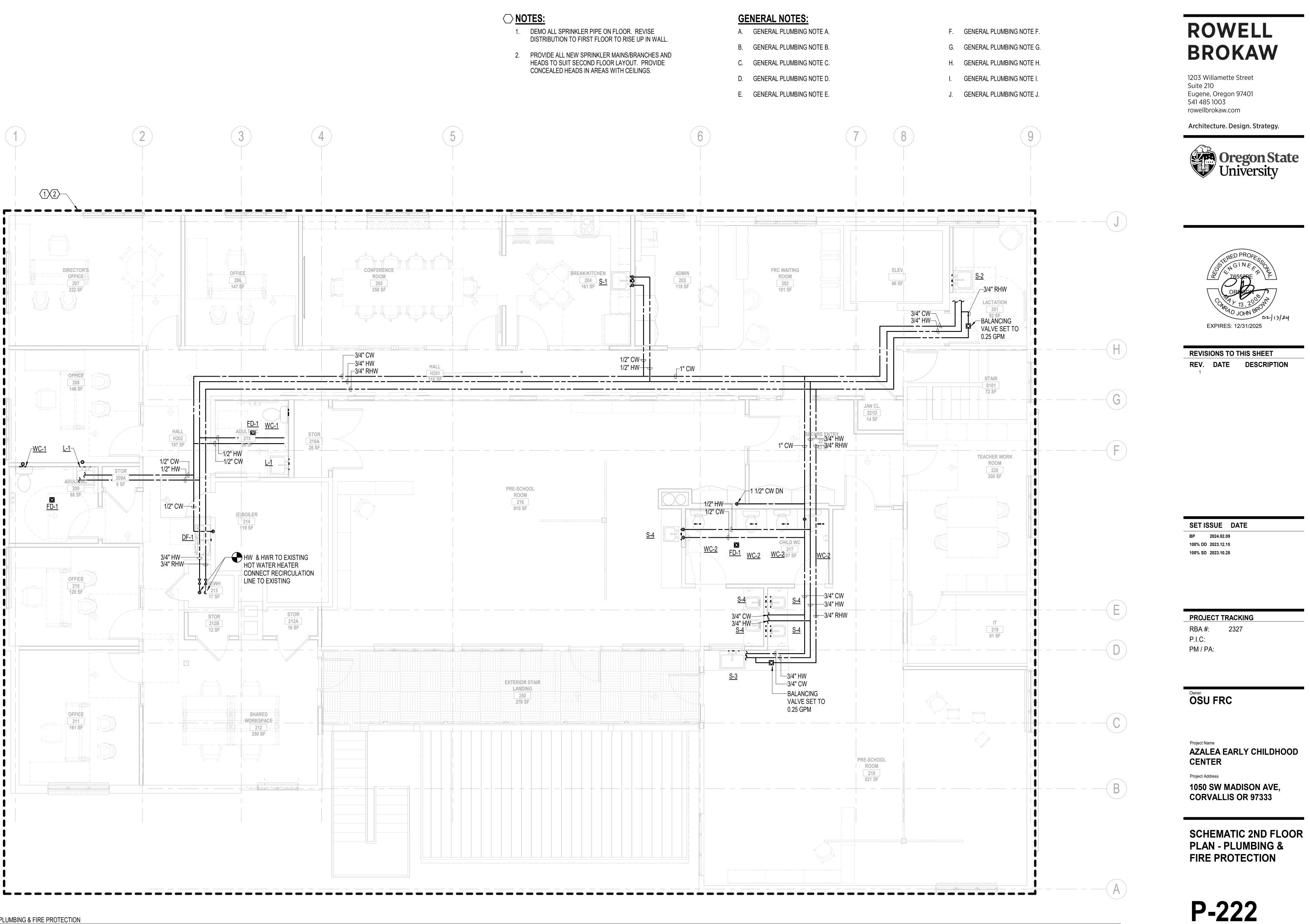
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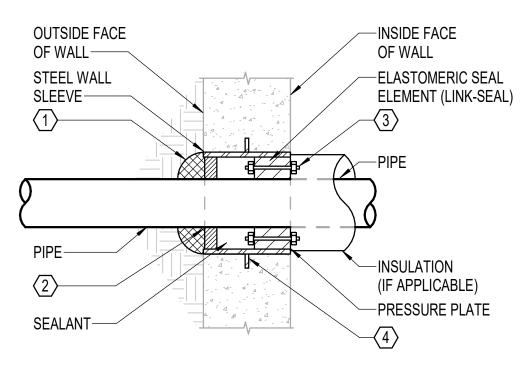
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SCHEMATIC 1ST FLOOR PLAN - PLUMBING



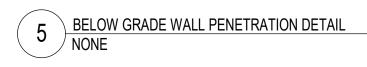


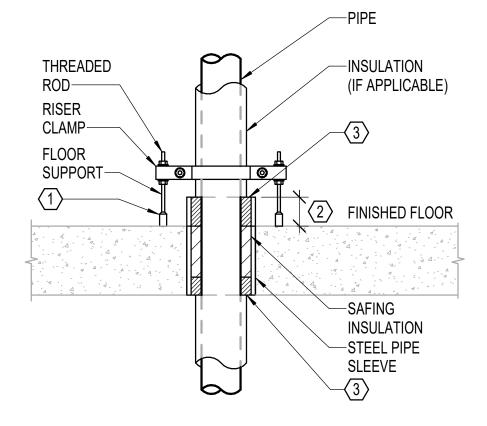
# **GENERAL NOTES:**

A. REFER TO SPECIFICATION 220500 FOR ADDITIONAL INFORMATION.

# ○ <u>NOTES:</u>

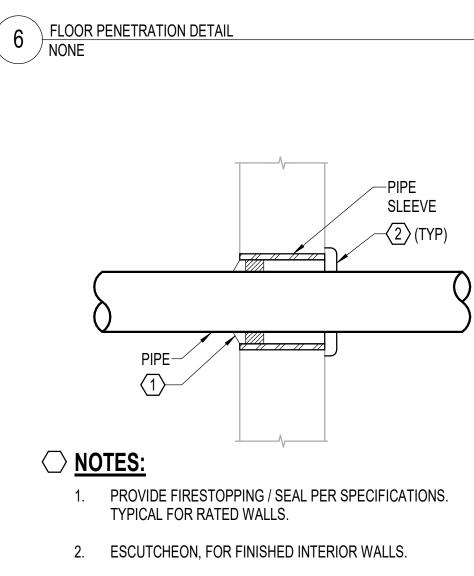
- 1. SEAL OUTSIDE OF JOINT WITH MASTIC SEALANT.
- 2. SEAL OUTSIDE OF PENETRATION WITH RESILIENT WATERPROOF CAULKING.
- 3. STAINLESS STEEL BOLTS, NUTS AND WASHERS.
- 4. ANCHOR COLLAR, 2" WATER STOP. CONTINUOUSLY WELDED ON BOTH SIDES.

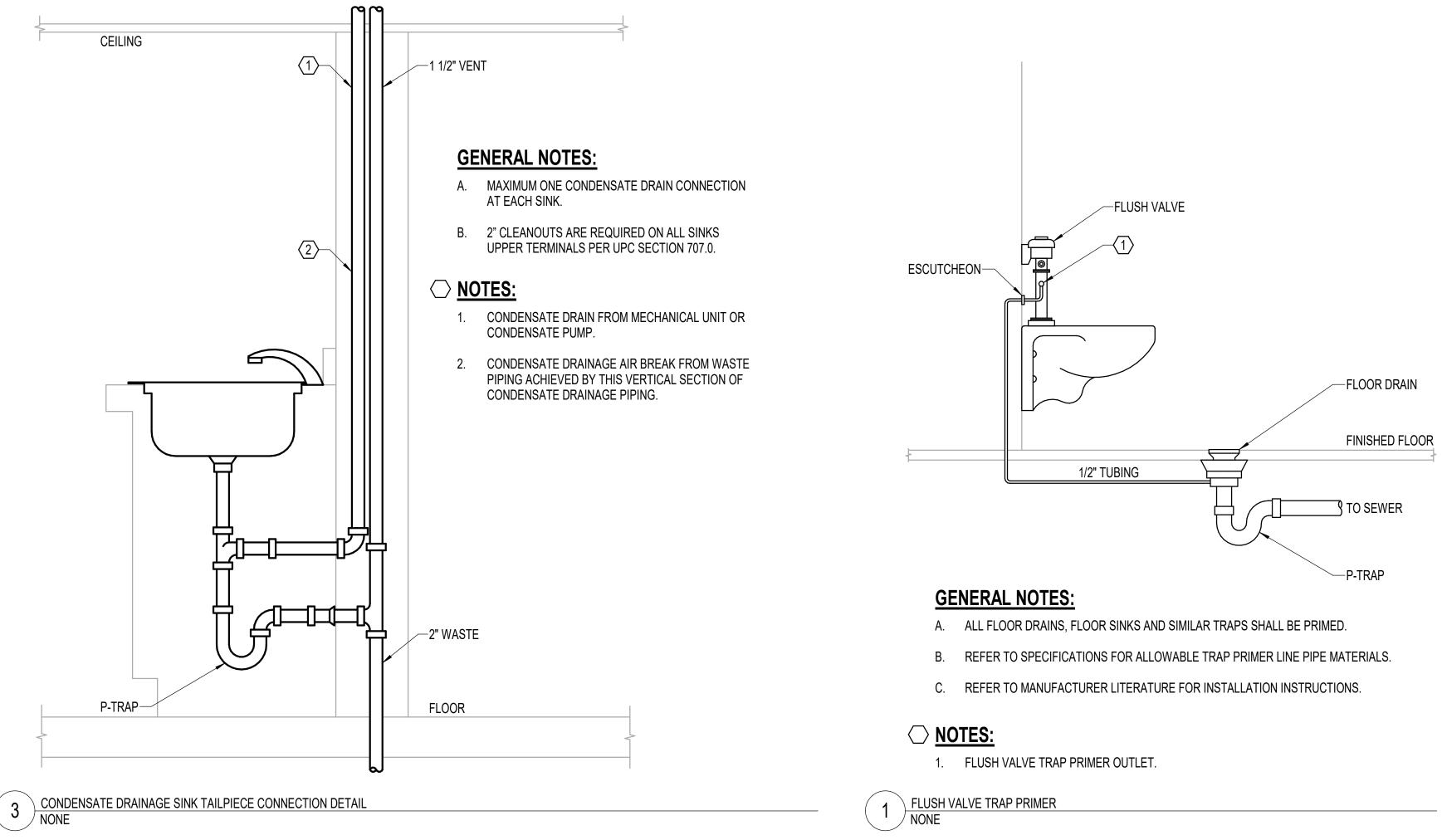


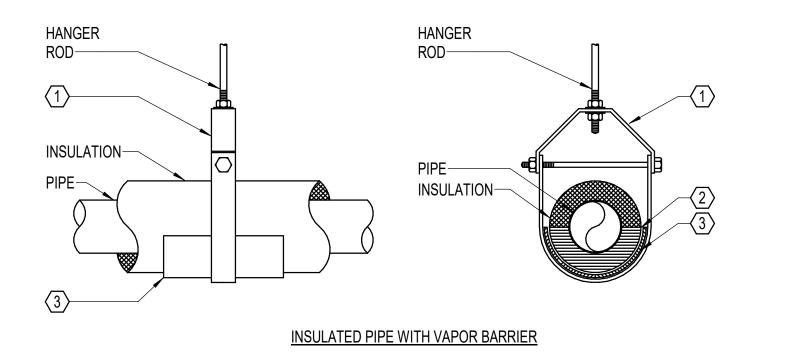


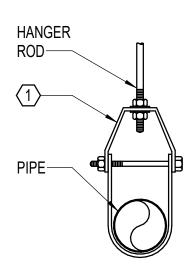
# ○ <u>NOTES:</u>

- 1. ROD COUPLING, PROVIDE SUPPORT SPRING MOUNTS WHERE NEEDED.
- 2. 2" MINIMUM MECHANICAL ROOMS AND SHAFTS. 1" MINIMUM ALL OTHER LOCATIONS.
- 3. PROVIDE FIRESTOPPING / SEAL PER SPECIFICATIONS.









UNINSULATED PIPE

# **GENERAL NOTES:**

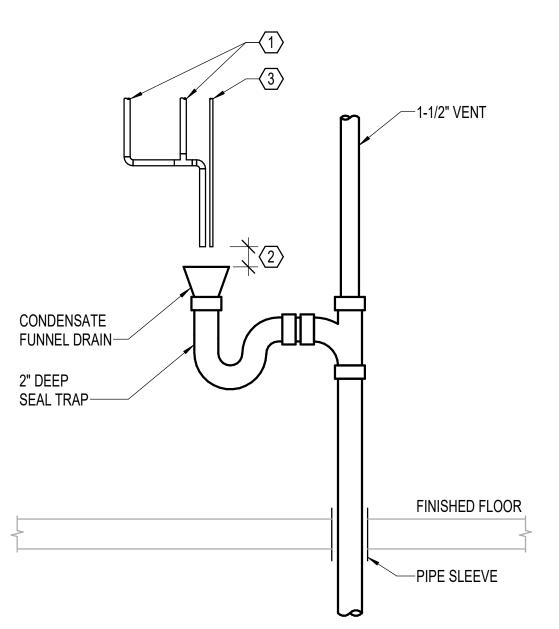
A. REFER TO SPECIFICATION 22 07 00 FOR INSULATION THICKNESS REQUIREMENTS AND VAPOR BARRIER VS NON-VAPOR BARRIER INSTALLATION REQUIREMENTS.

# ○ <u>NOTES:</u>

- 1. PIPE HANGER (CLEVIS OR RING STYLE). REFER TO SPECIFICATION 22 05 29 FOR TYPE TO BE USED BASED ON PIPE SIZE AND INSTALLATION (INSULATED VS UNINSULATED PIPING).
- HIGH DENSITY INSULATION INSERT. REFER TO SPECIFICATION 22 07 00.
- 3. INSULATION PROTECTION SHIELD. 12" LONG (MIN).

PIPE SUPPORT DETAIL - HANGER NONE

4



# $\bigcirc$ <u>NOTES:</u>

- CONDENSATE FROM HVAC EQUIPMENT. MULTIPLE OR SINGLE 1. DISCHARGE PIPING.
- 2. 2" MIN AIR GAP.
- 3. FROM TRAP PRIMER VALVE. PROVIDE TRAP PRIMER IF DISCHARGE IS NOT CONTINUOUS.

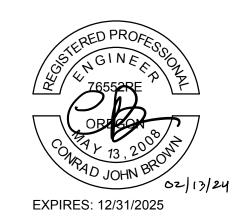
2 CONDENSATE DRAIN - FUNNEL DRAIN DETAIL / NONE



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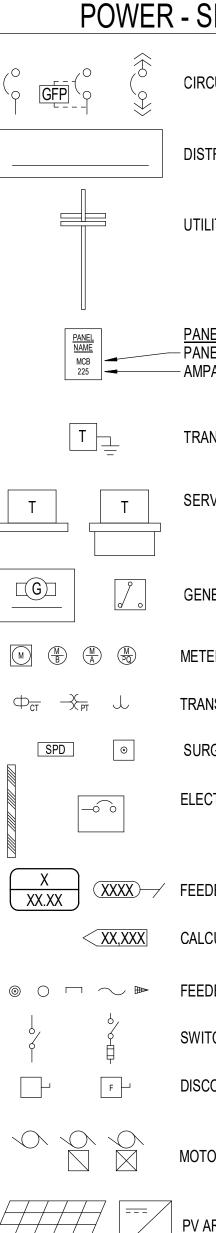
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# **DETAILS - PLUMBING**

		ABBREVIATIONS	5 - EL	ECTRICAL
-	AFF	ABOVE FINISHED FLOOR	KVAR	KILOVOLT-AMPERE REACTIVE
	ADA	AMERICANS DISABILITIES ACT	LA	LIGHTNING ARRESTOR
	А	AMPERE (AMP)	LED	LIGHT EMITTING DIODE
	AL	ALUMINUM	LRC	LIGHTING RELAY CONTROL PANEL
	ARCH	ARCHITECT / ARCHITECTURAL	LTG	LIGHTING
	ATS	AUTOMATIC TRANSFER SWITCH	LV	LOW VOLTAGE
	AWG	AMERICAN WIRE GAUGE	MATV	MASTER ANTENNA TELEVISION
	C	CONDUIT	MAX	MAXIMUM
	CAT	CATEGORY CABLE	MCA	
	CB	CIRCUIT BREAKER	MCB	MAIN CIRCUIT BREAKER
	CCTV	CLOSED CIRCUIT TELEVISION	MCC	MOTOR CONTROL CENTER
	CKT	CIRCUIT	MDP	MAIN DISTRIBUTION PANEL
	CLG		MECH	
	CT	CURRENT TRANSFORMER	MH	
	CU		MIN	
	DDC	DIRECT DIGITAL CONTROL	MLO	MAIN LUGS ONLY
	DN	DOWN	MOCP	MAXIMUM OVERCURRENT PROTECTION
	DW	DISHWASHER	MTS	MANUAL TRANSFER SWITCH
	EM	EMERGENCY	MV	MEDIUM VOLTAGE
	EMT	ELECTRICAL METALLIC TUBING	MW	MICROWAVE
	EP	EXPLOSION PROOF	NAC	NOTIFICATION APPLIANCE CIRCUIT
	EPO	EMERGENCY POWER OFF	NIC	NOT IN CONTRACT
	EWC	ELECTRIC WATER COOLER	NL	NIGHT LIGHT CIRCUIT
	FA	FIRE ALARM	PA	PUBLIC ADDRESS
	FACP	FIRE ALARM CONTROL PANEL	PDZ	PRIMARY DAYLIGHT ZONE
	FLA	FULL LOAD AMPS	PE	PHOTOELECTRIC CELL
	FLUOR	FLUORESCENT	PF	POWER FACTOR
	FCIC	FURNISHED BY CONTRACTOR	PNL	PANELBOARD
		INSTALLED BY CONTRACTOR	PVC	POLYVINYL CHLORIDE
	FOIC	FURNISHED BY OWNER	PWR	POWER
		INSTALLED BY CONTRACTOR	REF	REFRIGERATOR
	FOIO	FURNISHED BY OWNER	SDP	SUB-DISTRIBUTION PANEL
		INSTALLED BY OWNER	SDZ	SECONDARY DAYLIGHT ZONE
	GD	GARBAGE DISPOSAL	STR	STARTER
	GEN	GENERATOR	SV	SOLENOID VALVE
	GFP	GROUND FAULT PROTECTION	SW	SWITCH
	GFI	GROUND FAULT INDICATOR	TD	TIME DELAY
	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TP	TAMPERPROOF
	GRC	GALVANIZED RIGID CONDUIT	TTB	TELEPHONE TERMINAL BOARD
		GROUND	TTC	TELEPHONE TERMINAL BOARD
	GND			
	HP		TV	TELEVISION
	HPS	HIGH PRESSURE SODIUM	TYP	
	HV	HIGH VOLTAGE	UG	
	HZ	HERTZ	UPS	
	IG	ISOLATED GROUND	V	VOLTAGE
	INC	INCANDESCENT	VA	VOLT-AMPERE
	INV	INVERTER	VFD	VARIABLE FREQUENCY DRIVE
	JB	JUNCTION BOX	VP	VAPORPROOF
	KW	KILOWATT	W	WATTS
	KWH	KILOWATT HOUR	WP	WEATHERPROOF
	KV	KILOVOLT	XFMR	TRANSFORMER

# FIRE ALARM

FS	TS	SPRIN	KLER SYSTE	M SWITCH: FLOW, TAMPER
F	-	MANU	AL FIRE ALAF	RM STATION
$\bigcirc  $	) P	DETEC	CTOR: IONIZA	TION, HEAT, PHOTOELECTRIC
(B)	<b>—</b> B	DETEC	CTOR: BEAM	
$\bigcirc$		DUCT	DETECTOR,	TYPE AS NOTED
<	⊲ _F	FIREM	ANS PHONE	JACK
$\bigcirc$	Ĉ	MAGNETIC DOOR H		HOLDER, CLOSER
\\//	ALL	CE	LING	NOTIFICATION DEVICES
-[]	E]	-(	Ē-	FIRE ALARM: VISUAL
F		Ē	-(F)	FIRE ALARM: HORN; HORN W/VISUAL
S	- <u>S</u> -	Ś	- <u>S</u> -	FIRE ALARM: SPEAKER; SPEAKER W/VISUAI
F		<ul><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li><li>○</li>&lt;</ul>		FIRE ALARM: BELL; BELL W/VISUAL
() ()		$\bigcirc$		FIRE ALARM: CHIME; CHIME W/VISUAL



POWER T	<u>YPE:</u>
	( - NORMAL POWER
	ERGENCY POWER
U - UN	INTERRUPTIBLE POWER
VOLTAGE	
	Y/120V
	Y/277V
	0Y/2400V
	470Y/7200V
EQUIPME	
	IN DISTRIBUTION PANEL
	B DISTRIBUTION PANEL
B - BU	•••••
-	TOR CONTROL CENTER
-	TOMATIC TRANSFER SWI ⁻ WER PANEL
	HTING PANEL
	ANSFORMER
U - UP	-
	U LIGHTING RELAY CONTRO
BUILDING	
	SEMENT
• =	ST LEVEL
2 - SE(	COND LEVEL
3 - THI	RD LEVEL
4 - FOI	JRTH LEVEL
ETC.	
<u>GRID LOC</u>	
1A - NI	EAR INTERSECTION OF G
IDENTIFIE	
	ST IN SERIES OF EQUIPM
	COND IN SERIES OF EQUI
ETC.	

# POWER - SINGLE LINE DIAGRAM & RISER

CIRCUIT BREAKER, WITH GROUND FAULT PROTECTION, DRAW OUT

DISTRIBUTION SWITCHBOARD / PANELBOARD, WITH INTERNAL BUS

UTILITY POLE

PANELBOARD - PANEL INCOMING DESIGNATOR: MLO UNLESS MARKED MCB - AMPACITY (AMPS)

TRANSFORMER

SERVICE TRANSFORMER, WITH VAULT

GENERATOR, AUTOMATIC TRANSFER SWITCH

METER: UTILITY, BASIC, ADVANCED, POWER QUALITY

TRANSDUCER: CURRENT, POTENTIAL (VOLTAGE), COMBINED

SURGE PROTECTIVE DEVICE, PUSH BUTTON

ELECTRICAL BUSWAY, BUSWAY PLUG-IN CIRCUIT BREAKER

(XXXX) FEEDER CONTINUATION CALLOUT, FEEDER TAG

CALCULATED AVAILABLE SHORT-CIRCUIT CURRENT

FEEDER: DROP, RISE, CAP, BREAK, CONTINUATION

SWITCH, FUSED SWITCH

DISCONNECT, FUSED DISCONNECT

MOTOR, MOTOR WITH CONTROLLER, MOTOR WITH STARTER

PV ARRAY, INVERTER

ELECTRICAL EQUIPMENT DESIGNATION	
ELECTRICOLLEGON MENT DECICION/(THOM	
DISTRIBUTION PANEL DISTRIBUTION PANEL /AY DR CONTROL CENTER MATIC TRANSFER SWITCH ER PANEL ING PANEL SFORMER	
SHTING RELAY CONTROL PANEL	
ION: R INTERSECTION OF GRID LINES 1 AND A IN SERIES OF EQUIPMENT OND IN SERIES OF EQUIPMENT	

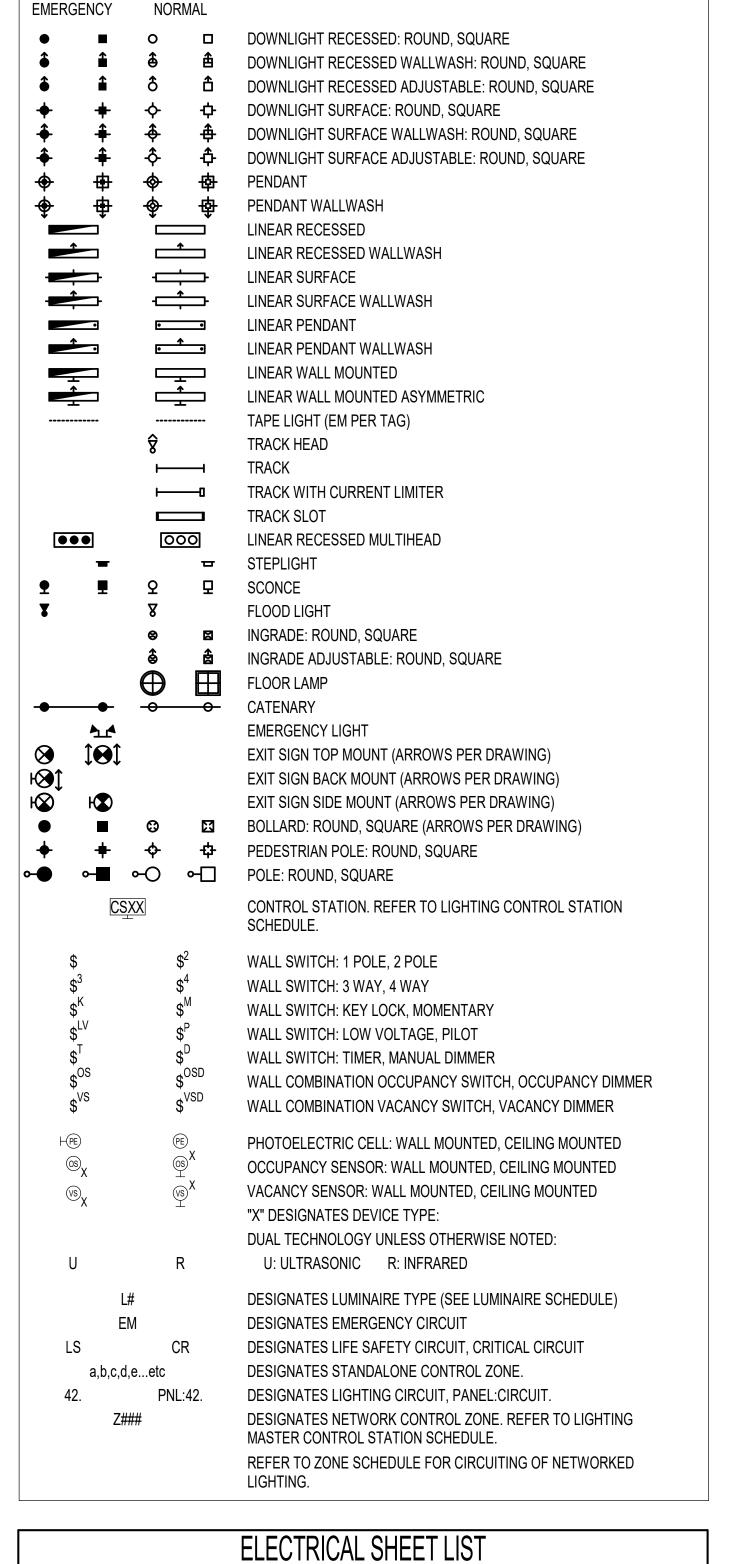
# POWER - PLANS

$\bigcirc$	€	WALL RECEPTACLE: DUPLEX, QUADPLEX
$\phi$	G	SINGLE WALL RECEPTACLE, FACELESS GFCI REMOTE TEST BUTTON
$\oplus_{\mathbf{G}} \notin$	⊌ G- <b></b>	DENOTES GFCI
₩ 4	w	DENOTES GFCI AND WEATHER PROOF
	₽ * <b></b>	DENOTES RECEPTACLE ABOVE COUNTER
•		SPECIAL PURPOSE RECEPTACLE.
	×	CEILING RECEPTACLE: DUPLEX, QUADPLEX
FB1 FB	2	FLUSH FLOORBOX RECEPTACLE. REFER TO SCHEDULE FOR QUANTITY AND TYPES OF DEVICES.
(PT1) (PT	2	FLUSH POKE-THROUGH RECEPTACLE. REFER TO SCHEDULE FOR QUANTITY AND TYPES OF DEVICES.
	•	DENOTES SPLIT-WIRED, HALF SWITCHED / CONTROLLED VIA MANUAL CONTROL, MOTION CONTROL OR TIME-BASED CONTROL. SEE SPECIFICATIONS & PLANS.
0 4	•	DENOTES FULL SWITCHED / CONTROLLED VIA MANUAL CONTROL, MOTION CONTROL OR TIME-BASED CONTROL. SEE SPECIFICATIONS & PLANS.
FB3 FB	4	SWITCHED / CONTROLLED FLUSH FLOORBOX RECEPTACLE REFER TO SCHEDULE & PLANS FOR CONTROL INFORMATION.
PT3 PT	4	SWITCHED / CONTROLLED FLUSH POKE-THROUGH RECEPTACLE REFER TO SCHEDULE & PLANS FOR CONTROL INFORMATION.
FB1 X	x ⊕x	LETTER DESIGNATOR:
PT1 X C	x [∞] x	E = EMERGENCYIG = ISOLATED GROUNDU = UPSP = SURGE PROTECTIVE DEVICES = STANDBYA = AFCIC = CRITICALB = WITH USB OUTLETS
$\oplus$ 2NF	P1:42. <del></del>	DENOTES PANELBOARD AND CIRCUIT NUMBER.
⊕ _{42.}	-	DENOTES CIRCUIT NUMBER. REFER TO SHEET GENERAL NOTES FOR PANELBOARD.
		PEDESTAL OUTLET: POWER & SIGNAL COMBINATION
(J		SURFACE OUTLET STRIP: DIMENSION AS SHOWN. SEE SPECIFICATIONS.
) 1,3,5 (J)	1,3,5	POWER POLE, POWER, COMBINATION CIRCUITS AS INDICATED. JUNCTION BOX
HJ 1	,3,5	JUNCTION BOX HOME RUN. CIRCUITS AS INDICATED.
FJ1	,3,5	JUNCTION BOX HOME RUN & FURNITURE FEED. CIRCUITS AS INDICATED.
		CONNECTION TO EQUIPMENT
۲	••	PUSH BUTTON STATION: SINGLE, DOUBLE
	]	ELECTRICAL EQUIPMENT
-		PANELBOARD: SURFACE, RECESSED
	${ \sqsubseteq }$	ENCLOSURE: SURFACE, RECESSED
Τ		TRANSFORMER
$\bigcirc$	$\bigcirc$	GROUND ROD, IN TEST WELL
<u>0 0</u>		GROUND PAD
		DESIGNATION SYMBOLS
	(123	EQUIPMENT DESIGNATOR SEE SCHEDULE.
(E)		EXISTING TO REMAIN, EXISTING TO BE REMOVED
(E)	(F)	EXISTING TO BE RELOCATED, FUTURE
$\langle N \rangle$		NEW, POINT OF CONNECTION
	1	NOTE

# **GENERAL NOTES:**

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





SHEET #	SHEET NAME
E-001	SYMBOLS, LEGENDS AND ABBREVIATIONS - ELECTRICAL
E-002	SYMBOLS, LEGENDS AND ABBREVIATIONS - ELECTRICAL
E-003	LUMINAIRE / EQUIPMENT CONNECTION SCHEDULES
E-010	SITE PLAN - ELECTRICAL
E-102	DEMO FLOOR PLANS - 1ST AND 2ND - ELECTRICAL
E-222	SCHEMATIC 2ND FLOOR PLAN - LIGHTING
E-225	SCHEMATIC 1ST FLOOR PLAN - ELECTRICAL
E-226	SCHEMATIC 2ND FLOOR PLAN - ELECTRICAL
E-227	SCHEMATIC ATTIC PLAN - ELECTRICAL
E-701	DIAGRAMS - ELECTRICAL
E-801	PANEL SCHEDULES
Grand total:	11

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BP 2024.02.09 100% DD 2023.12.15 100% SD 2023.10.28

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PROJECT TRACKING 2327 RBA #: P.I.C: PM / PA:

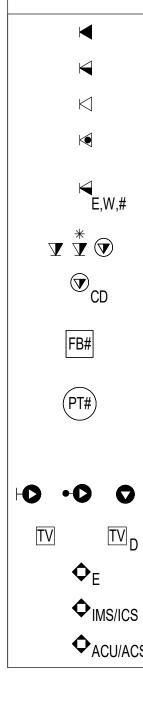
# Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

SYMBOLS, LEGENDS **AND ABBREVIATIONS -**ELECTRICAL





# TELECOMMUNICATIONS

OUTLET TYPE: DATA

OUTLET TYPE: COMBINATION TELEPHONE/DATA

OUTLET TYPE: TELEPHONE

OUTLET TYPE: FIBER OPTIC CABLE

OUTLET DESIGNATORS: "E" EQUIPMENT OUTLET, "W" TELEPHONE OUTLET WITH MOUNTING STUDS, "#" QTY OF CABLES. TYPICAL ALL OUTLETS: PROVIDE TWO (2) CABLES PER OUTLET (UON) ▼ 🐨 OUTLET MOUNTING: WALL, ABOVE COUNTER, CEILING

OUTLET MOUNTING: CORD-DROP

OUTLET MOUNTING, FLUSH FLOORBOX: REFER TO SCHEDULE FOR TYPES OF DEVICES.

OUTLET MOUNTING, FLUSH POKE-THROUGH: REFER TO SCHEDULE FOR TYPES OF DEVICES. TYPICAL ALL FLOORBOXES/POKE-THROUGHS: SEE ELECTRICAL

DRAWINGS FOR COMBINED SERVICE REQUIREMENTS. DATA OUTLET FOR WIRELESS ACCESS POINT: WALL, POLE MOUNT, CEILING.

CATV/MATV OUTLET: COAXIAL ONLY, COMBINATION COAX/DATA EMERGENCY TELEPHONE

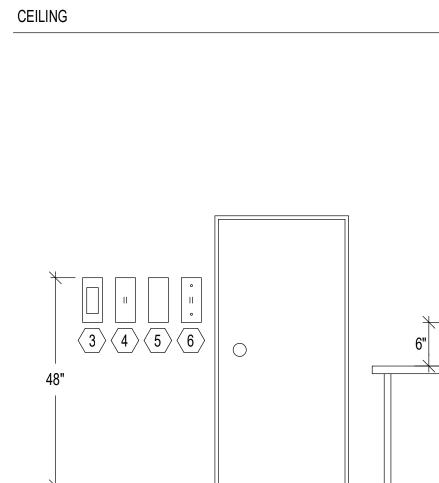
 $igoplus_{\mathsf{IMS/ICS}}$  INTERCOM: "IMS" MASTER STATION, "ICS" CALL STATION

 $igoplus_{\mathsf{ACU}/\mathsf{ACS}}$  area of Rescue: "Acu" command unit, "Acs" call station

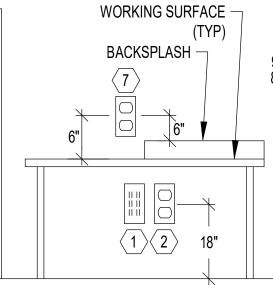
# **DEVICE MOUNTING HEIGHTS**

MIN 6"

AIN 6" (8) FIRE





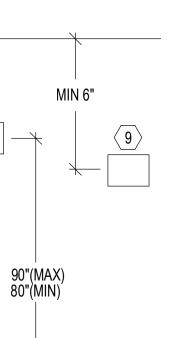


ELECTRICAL FLOOR DEVICE SCHEDULE

NOTES:

1. COORDINATE WITH FLOOR FINISH TYPE AND DEFER TO ARCHITECTURAL FOR FINISH INFORMATION.

_ I								
	TYPE	DESCRIPTION	TOTAL GANGS	BASIS OF DESIGN PRODUCT	POWER REQUIREMENTS	POWER CONDUITS	DATA/AV REQUIREMENTS	DATA
	PT1	FLUSH SURFACE-STYLE POWER AND DATA POKE-THROUGH	2	WIREMOLD RC-3 OR APPROVED EQUAL	(1) DUPLEX RECEPTACLE	(1) 1" C	(1) GANG - DATA/AV	



# **GENERAL NOTES:**

A. LOCATE ALL FIRE ALARM DEVICES PER CODE.

- B. LOCATE ALL ACCESSIBLE SWITCHES PER ADA GUIDELINES.
- C. FIELD COORDINATE ALL ABOVE COUNTER DEVICES WITH MILLWORK CONTRACTOR.
- IF APPLICABLE, TELECOM CONSULTANTS' DRAWINGS TAKE D. PRECEDENCE OVER THIS DETAIL FOR TELECOM DEVICES.
- REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES. WHERE NO ELEVATION EXISTS, REFER TO TYPICAL MOUNTING HEIGHTS IN THIS DETAIL.

# ) <u>notes:</u>

1. TELECOM OUTLET.

2. RECEPTACLE.

3. FIRE ALARM PULL

LIGHT SWITCH /

CONTROL STATION.

STATION.

5. CARD READER.

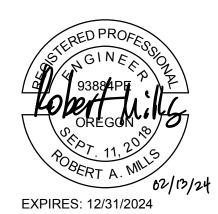
- 6. WALL PHONE.
- 7. ABOVE COUNTER DEVICE. MAINTAIN A CONSISTENT HEIGHT THROUGHOUT SPACE.
  - 8. FIRE ALARM STROBE.
  - 9. OCCUPANCY SENSOR.



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# Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

SYMBOLS, LEGENDS AND ABBREVIATIONS -ELECTRICAL

A/AV CONDUITS	STRUCTURAL FLOOR TYPES	FINISH AND Details	FIRE RATING	SLAB ON-GRADE PAN/KIT	NOTES	
(1) 1" C	CONCRETE	NOTE 1	2-HOUR	N/A	-	

**E-002** 

EQUIPME	NT TAG
ТҮРЕ	NO.
FCU	101
FCU	102
FCU	103
FCU	104
FCU	105
FCU	106
FCU	107A
FCU	107B
FCU	108
FCU	201
FCU	202
FCU	203
FCU	204
FCU	205
FCU	206
FCU	207
FCU	208
FCU	209
FCU	210
FCU	211
FCU	212
FCU	213
FCU	214
OU	101A
OU	101B
HRV	2
HRV	3
BC	201
BC	202

### **GENERAL NOTES:**

CIRCUIT NUMBERS

B. COORDINATE ALL EQUIPMENT CONNECTION REQUIREMENTS WITH INSTALLING CONTRACTOR PRIOR TO THE INSTALLATION OF ANY ELECTRICAL WORK. PROVIDE FIELD WIRING BETWEEN STARTERS, DISCONNECTS, VFDS AND OTHER APPURTENANCES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM, PER MANUFACTURER'S INSTALLATION REQUIREMENTS.

ELECTRICAL WORK.

INSTALLER.

E. NOT ALL EQUIPMENT IDENTIFIED HERE IS SHOWN ON FLOOR PLANS. REFER TO DRAWINGS IN OTHER DISCIPLINES FOR EQUIPMENT LOCATIONS

NOTES	

				LUMINAIRE	SCHE	DULE						
INTES: . REFERENCE ARCHITECTURAL DRAWINGS AND DETAILS FOR INSTALLATION INFORMATION 2. REMOTE DRIVER(S) NOT SHOWN FOR CLARITY. LOCATE IN A CONCEALED LOCATION WITH ADEQUATE VENTILATION AND ACCESS FOR MAINTENANCE. PROVIDE SECONDARY WIRING RUNS UPSIZED FOR VOLTAGE DROP ON ACCORDANCE WITH MANUFACTURER REQUIREMENTS.												
URE TYPE	PRODUCT DESCRIPTION	BASIS OF DESIGN MANUFACTURER(S)	SIZE	LIGHT SOURCE	INPUT WATTS	POWER SUPPLY	VOLTAGE	FINISH	MOUNTING	MOUNTING HEIGHT	ALTERNATE MANUFACTURER(S)	NOTES
	PENDANT LINEAR DIRECT LOW GLARE OPTICS, INDIRECT BATWING OPTICS	ALW; LPX2 SERIES	2 1/4" W x 4'-0" L x 3 1/4" H	3500K, 80CRI, LED, DIRECT 750 lm/LF, INDIRECT 350 lm/LF	9 W/LF	0-10V DIMMING TO 1% INTEGERAL DRIVER	120V	BY ARCHITECT	SUSPENDED	7'-0" TO BOTTOM OF FIXTURE AFF		
	WALL MOUNT LINEAR	ALW; LPX2 SERIES	2 1/4" W x SEE PLANS FOR LENGTH x 3 1/4" H	3500K, 80CRI, LED, DIRECT 350 lm/LF, INDIRECT 500 lm/LF	7 W/LF	0-10V DIMMING TO 1% INTEGERAL DRIVER	120V	BY ARCHITECT	WALL MOUNTED	6'-0" TO BOTTOM OF FIXTURE AFF		
	SURFACE MOUNT LINEAR STRIP WITH FROSTED ROUND LENS	COOPER METALUX SNX	3.5"H x 3"D x 4'L	3500K, 80CRI, LED, 3848lm lm/LF	7 W/LF	0-10V DIMMING TO 10% INTEGERAL DRIVER	120V	BY ARCHITECT	SURFACE WALL			
	SURFACE MOUNTED EXTRUDED ALUMINUM LED TAPE AND CHANNEL CONCEALED IN CASEWORK, POLYCARBONATE FROSTED LENS, SMALL PROFILE, HIGH PERFORMANCE LED STRIP	LUMINII KENDO 45M ROUND	0.75"W x 0.75" H x LENGTHS PER PLAN	3500K, 80CRI, LED, 400 lm/LF	4 W/LF	0-10V DIMMING TO 1% REMOTE DRIVER	120V	BY ARCHITECT	CASEWORK			1, 2
	DECORATIVE BELL SHAPED PENDANT	MUUTO GRAIN	8.25"DIA x 7.3"H	3000K, 90CRI, LED, 260 lm	3 W	TRIAC DIMMING TO	120V	BY ARCHITECT	SUSPENDED	6'-0" TO BOTTOM OF FIXTURE AFF		1
N	RECESSED DOWNLIGHT WITH WIDE 75 DEGREE BEAM, SEMI SPECULAR CLEAR FINISH	COOPER/ HALO COMMERCIALI; HM4 SERIES	6" DIA x 5 1/2" D	3500K, 80CRI, LED, 1000 lm	10 W	0-10V DIMMING TO 1% INTEGERAL DRIVER	120V	BY ARCHITECT	RECESSED			
	SURFACE MOUNTED DOWNLIGHT	BETA CALCO TIMPANI ROUND	18"DIA x 4"H	3500K, 80CRI, LED, 1700LM Im		0-10V DIMMING TO 1% INTEGERAL DRIVER	120V	BY ARCHITECT	SURFACE CEILING			
	DECORATIVE WALL MOUNT SCONCE	RBW PASTILLE 1 DISC	7"DIA x 4"D	3000K, 90CRI, LED, 430 lm	8 W	TRIAC DIMMING TO	120V	BY ARCHITECT	SURFACE WALL	6'-0" TO BOTTOM OF FIXTURE AFF		1
	EXTERIOR DIRECT ONLY WALL PACK, TYPE IV DISTRIBUTION	LIGMAN LEEDS 2	8"W x 8"H x 5"D	3000K, 90CRI, LED, 1660 lm	14 W	0-10V DIMMING TO 10% INTEGERAL DRIVER	120V	BY ARCHITECT	SURFACE WALL	7'-0" TO BOTTOM OF FIXTURE AFF		1
	WALL MOUNT EXIT SIGN	COOPER/ SURE-LITES; CX SERIES	3" W x 1'-1" L x 1'-0" H	-, LED, - lm	1 W	-	120V	BY ARCHITECT	SURFACE WALL	7' AFF		
	PENDANT MOUNT EXIT SIGN	COOPER/ SURE-LITES; CX SERIES	2.25" W x 12.6" L x 8.25" H	-, LED, - lm	1 W	-	120V	BY	SUSPENDED	7' AFF		

# Mechanical Equinment Connection Schedule

Mechanical Equipment Connection Schedule															
EQUIPMENT DESCRIPTION	ELECTRICAL CHARACTERISTICS				CONNECTION CHARACTERISTICS							SCCR			
							CON	TROL	DISC	ONNECT		_		PANEL	
DESCRIPTION	LOCATION	HP KVA	FLA	МОСР	VOLTS	PHASE	DIVISION	TYPE/SIZE	DIVISION	SIZE/FUSE	CONDUIT	PHASE CONDUCTORS	GROUND CONDUCTORS		AVAILABLE FAULT (AMPS)
FAN COIL UNIT	LEVEL 1		.63	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 1		.63	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 1		.63	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 1		.63	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 1		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 1		.63	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 1		.63	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 2		.63	16	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 1		.63	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL D	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL D	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL D	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
FAN COIL UNIT	LEVEL 2		.24	15	208	1					3/4"	12 AWG	12 AWG	PANEL D	<5,000
FAN COIL UNIT	ATTIC		4.38	15	208	1					3/4"	12 AWG	12 AWG	PANEL D	<5,000
FAN COIL UNIT	ATTIC		4.38	15	208	1					3/4"	12 AWG	12 AWG	PANEL D	<5,000
FAN COIL UNIT	LEVEL 2 IDF		.63	15	208	1					3/4"	12 AWG	12 AWG	PANEL D	<5,000
VRF HEAT PUMP MODULE 1	LEVEL 1		66	110	208	3					1 1/2"	1 AWG	6 AWG	2MDP	16,447
VRF HEAT PUMP MODULE 2	LEVEL 1		66	110	208	3					1 1/2"	1 AWG	6 AWG	2MDP	16,447
HEAT RECOVERY VENTILATOR	ATTIC		7	15	208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
HEAT RECOVERY VENTILATOR	ATTIC		7	15	208	1					3/4"	12 AWG	12 AWG	PANEL D	<5,000
VRF BRANCH CONTROLLER	ATTIC		1.57		208	1					3/4"	12 AWG	12 AWG	PANEL C	<5,000
VRF BRANCH CONTROLLER	ATTIC		.38		208	1					3/4"	12 AWG	12 AWG	PANEL D	<5,000
		I	1	1	1	1		1		1	1	1	1		

A. REFER TO ONE-LINE DIAGRAM OR PANEL SCHEDULES FOR OVERCURRENT PROTECTION CHARACTERISTICS AND

C. VFD'S ARE FURNISHED BY DIVISION 23. INSTALL VFD AND PROVIDE LINE AND LOAD SIDE FEEDERS IN

D. LOCATE COMBINATION STARTER/DISCONNECTS AND DISCONNECT SWITCHES WITHIN SIGHT OF AND ADJACENT TO EQUIPMENT SERVED. COORDINATE DISCONNECT INSTALLATION AND LOCATION WITH EQUIPMENT

TYPE	
CS1	SINGLE ZONE ON CONTROLLER. C
	CONTROLLER. C
CS2	TWO-ZONE ON/O CONTROLLER. PF
	CONTROLLER. PF
	ZONES INDICATE

# LIGHTING DEVICE SCHEDULE

COMMENTS

ON/OFF CONTROL STATION WITH DIMMING FOR USE WITH DEDICATED ROOM CONTROL STATION TO CONTROL ALL LUMINAIRES IN SPACE. I/OFF CONTROL STATION WITH DIMMING FOR USE WITH DEDICATED ROOM . PROVIDE A DEDICATED BUTTON AND DIMMING CONTROLS FOR EACH ZONE. ZONES INDICATED ON DRAWINGS WITH LOWER CASE LETTERS.



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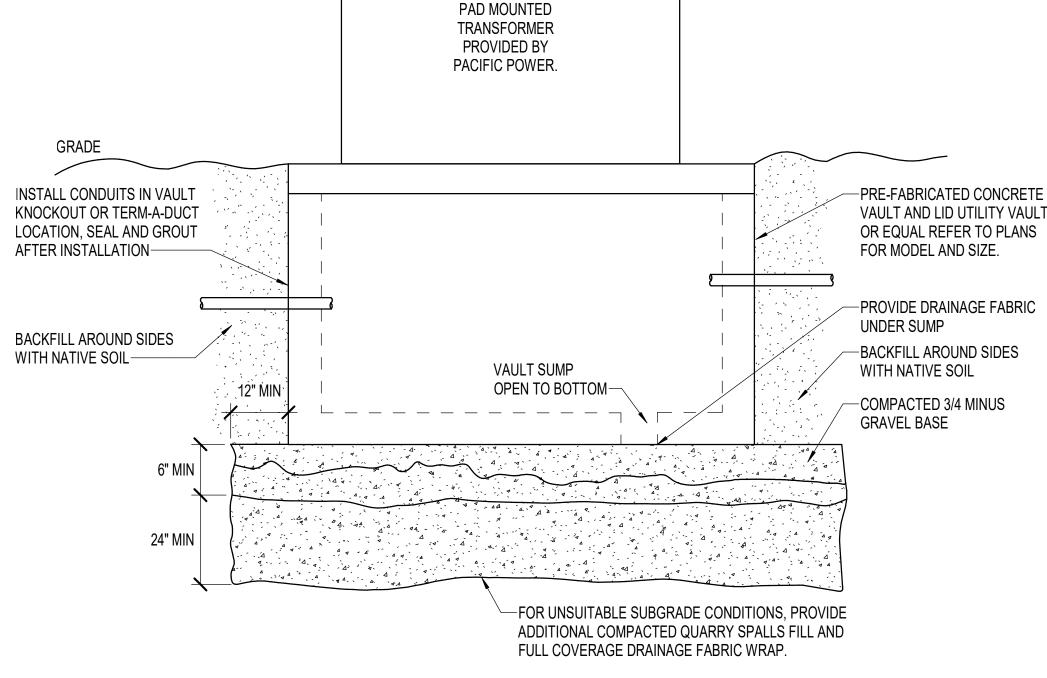
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LUMINAIRE / EQUIPMENT CONNECTION SCHEDULES

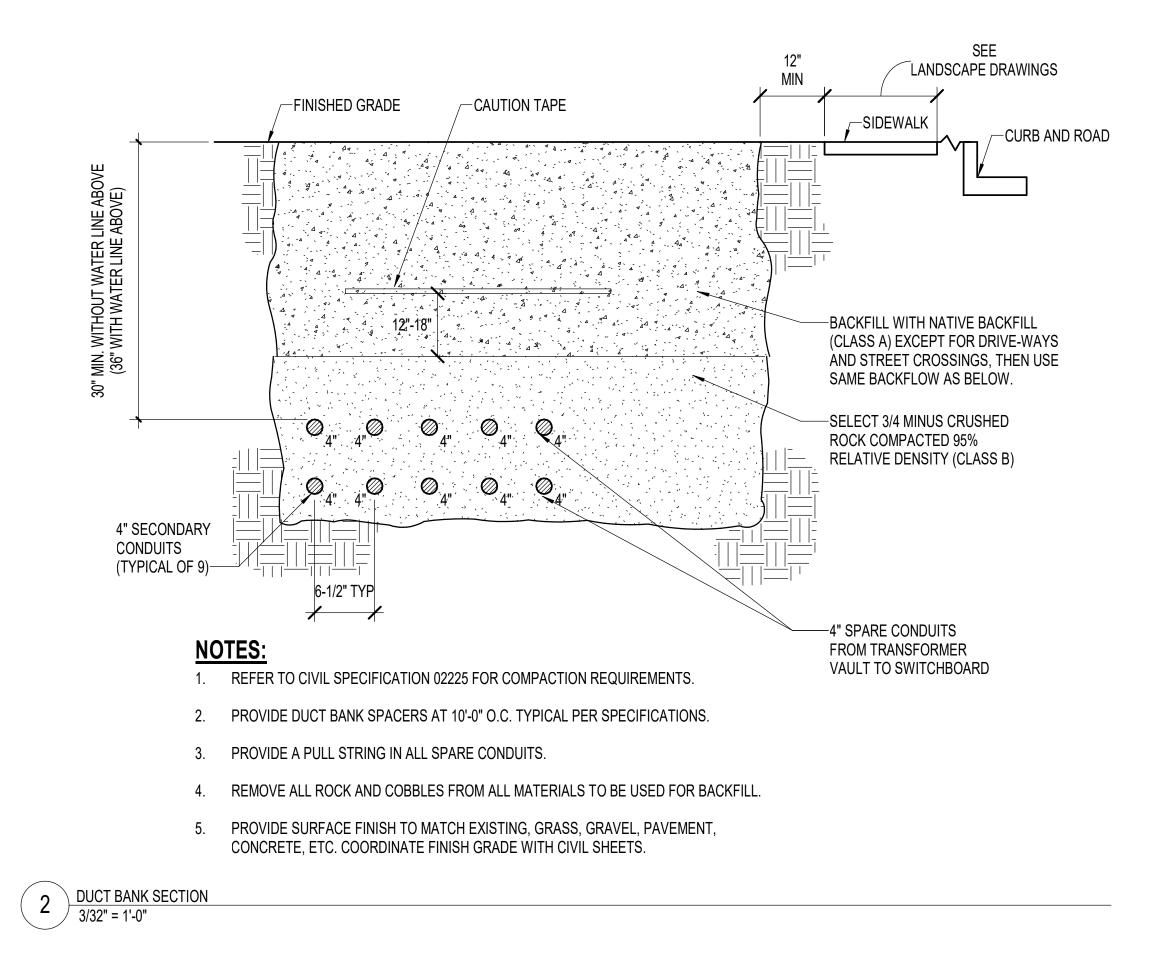
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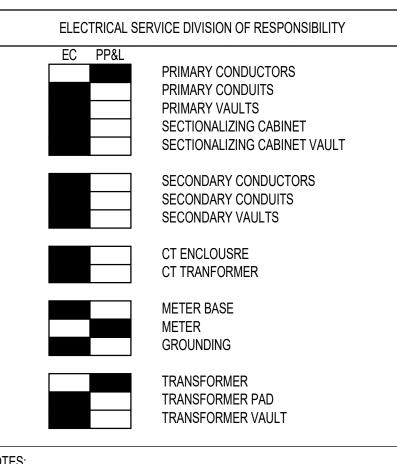
1 SITE PLAN - ELECTRICAL 1" = 20'-0"





# (#)NOTES:

- 1. PROVIDE AND INSTALL OLDCASTLE 575-TRANS-PCORP PRECAST CONCRETRE VAULT FOR UTILITY TRANSFORMER PER PACIFIC POWER STANDARD.
- 2. PROVIDE AND INSTALL OLDCASTLE 575-SECT-PCORP PRECAST CONCRETRE VAULT FOR SECTIONALIZING CABINET PER PACIFIC POWER STANDARD.



NOTES:

A. CONTRACTOR TO CONFIRM ALL INSTALLATION REQUIREMENTS WITH PACIFIC POWER CONSTRUCTION STANDARDS AND ENGINEERING DRAWINGS.

# PACIFIC POWER UTILITY REQUIREMENTS

CONDUITS SHALL BE SCHEDULE 40 PVC UNLESSS OUTHERISE NOTED.

CONDUITS SHALL ENTER AND EXIT VAULTS AIN THE POSITIONS INDICATED ON THE PACIFIC POWER CONSTRUCTION DRAWINGS.

ALL CONDUIT JOINTS SHAL BE COMPRESSED TO THE DEPTH OF THE COUPLING SYSTEM AND GLUED. WHERE STRAIGHT ENDS AND BELL ENDS ARE JOINED, THE STRAIGHT END SHALL BE BEVELED.

WHEN CONDUIT EXTENDS VERTICALLY THROUGH A PAVED OR CONCRETE SURFACE, A SLEEVE SHALL BE PLACED AROUND THE CONDUIT TO PREVENT DIRECT CONTACT WITH THE PAVEMENT OR CONCRETE.

A FLAT PULL LINE OR POLY ROPE CAPABLE OF WITHSTANDING 1,000 LBS. OF TENSION SHALL BE INSTALLED WITH 72" OF EXTRA LINE CAPABLE OF EXTENDING FROM EACH END OF THE CONDUIT. THE PULL LINE SHALL BE SECURED INSIDE THE ENDS OF THE CONDUIT AND BOTH CONDUIT ENDS SHALL BE CAPPED.

ALL UNDERGROUND RACEWAYS SHALL BE PROOFED WITH A MANDREL TO REMOVE OBSTRUCTIONS, AND TO CONFIRM AT LEAST 80% OF THE NOMINAL CONDUIT DIAMETER.

6-INCH-DIAMETER STEEL OR CONCRETE BARRIER POSTS WITH A DOMED TOP SHALL BE PROVIDED IN LOCATIONS WHERE TRAFFIC MAY POSE A THREAT TO UTILITY EQUIPMENT. BARRIER POST SHALL BE SET IN A CONCRETE FOUNDATION AT LEAST 12 INCHES IN DIAMETER AND 24 INCHES IN DEPTH BELOW GRADE.

CONDUITS SHALL NOT BE LOCATED BENEATH PERMENANT STRUCUTURES.

MANUFACTURED SWEEPS SHALL NOT BE ALTERED. FIELD FORM SWEEPS ARE NOT PERMITTED.

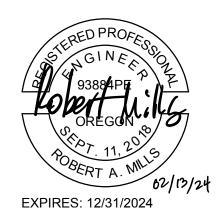
SEAL ALL RACEWAYS AND CONDUIT TO PREVENT THE INFILTRATION OF WATER INTO THE ELECTRICAL EQUIPMENT.

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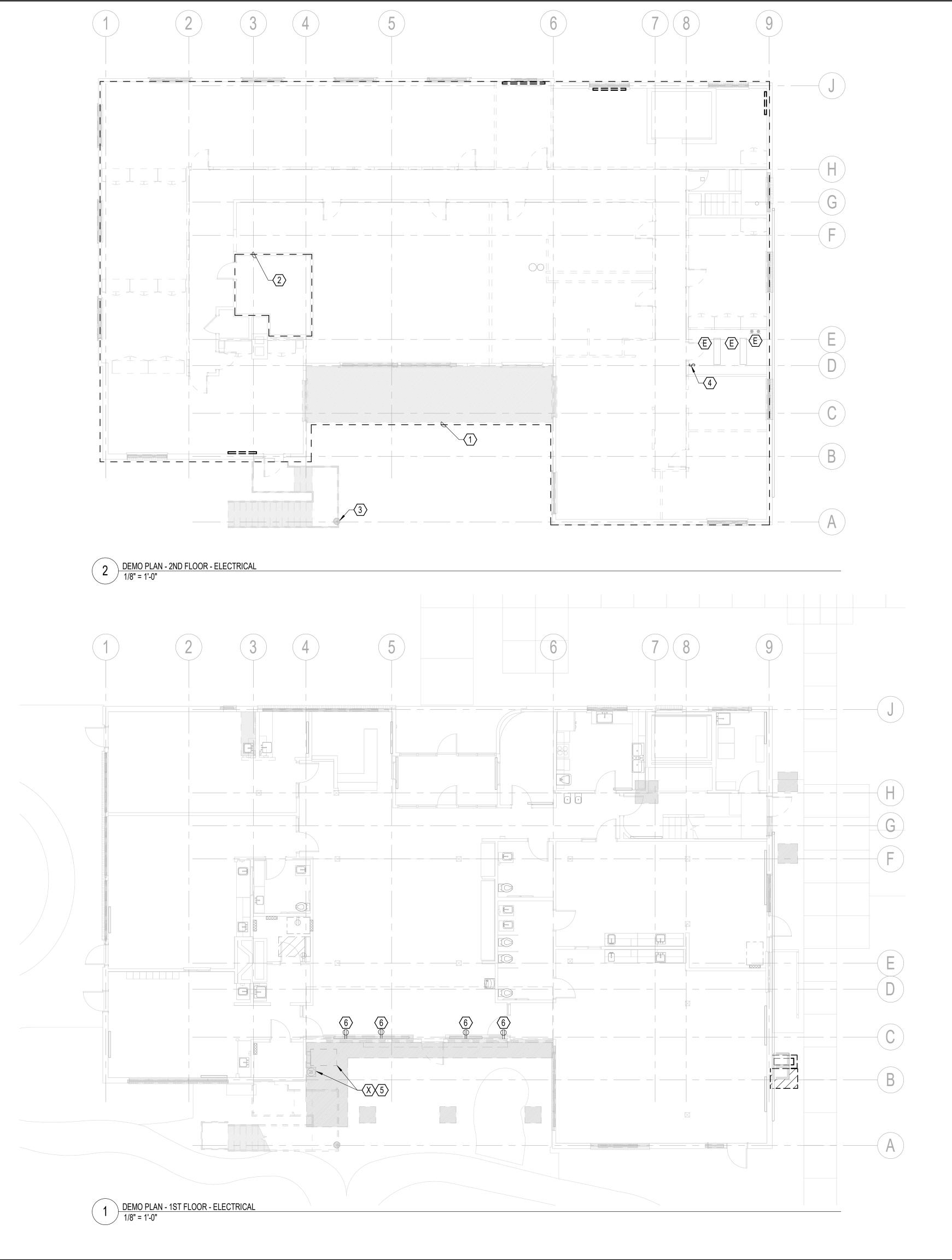
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SITE PLAN -ELECTRICAL





# **GENERAL NOTES:**

- A. SCHEDULE DEMOLITION IN ADVANCE TO AVOID DISRUPTION OF NORMAL OPERATIONS. PROVIDE ADVANCE NOTIFICATION AND DESCRIPTION OF IMPACT TO THE [OWNER, ARCHITECT].
- B. PROVIDE TEMPORARY FEEDERS AND SERVICES AS REQUIRED TO ACCOMPLISH CONSTRUCTION PHASING SEQUENCE.
- C. WHERE NOTED, DEMOLITION INCLUDES CONDUITS, SUPPORTS AND HANGERS, CABLING, AND CONDUCTORS BACK TO SOURCE.
- D. REVIEW WITH OWNER EQUIPMENT TO BE SALVAGED AND STORED. PROPERLY DISPOSE OF NON-SALVAGED EQUIPMENT.
- E. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, LIGHTING AND TECHNOLOGY DRAWINGS, DISCONNECT AND REMOVE SERVICE TO EQUIPMENT NOTED AS DEMOLISHED.
- F. PROTECT AND MAINTAIN OPERATIONAL INTEGRITY OF ELECTRICAL SYSTEMS THAT REMAIN.
- G. AFTER REMOVAL OF ELECTRICAL SYSTEMS, RESTORE DAMAGED SURFACES AND FINISHES TO MATCH EXISTING.
- H. INSPECT SALVAGED RACEWAYS FOR INTEGRITY AND REPAIR PRIOR TO RE-USE.
- I. REFER TO EQUIPMENT SCHEDULE FOR DEMOLISHED CONNECTIONS AND SERVICES.
- J. PROVIDE UPDATED TYPEWRITTEN PANELBOARD SCHEDULES FOR PANELS AFFECTED BY DEMOLITION. TURN "OFF" SPARE BREAKERS.

# ○<u>NOTES:</u>

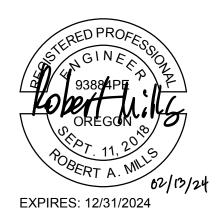
- 1. DEMOLISH ALL EXISTING ELECTRICAL BACK TO BRANCH PANELBOARD IN OUTLINED AREA WITH THE EXCEPTION OF CIRCUITS SERVING THE BOILER ROOM.
- 2. MAINTAIN ALL EQUIPMENT CONNECTIONS TO THE BOILER ROOM EQUIPMENT. COORDINATE REPLACEMENT OF UPSTREAM PANELBOARD REPLACEMENT WITH OWNER FOR MINIMAL IMPACT TO BOILER DOWNTIME.
- 3. DEMOLISH EXISTING LIGHT FIXTURE BACK TO SOURCE.
- 4. DEMOLISH EXISTING SWITCH AND SAVE FOR REINSTALLATION ON ADJACENT WALL.
- 5. TERMINATE SAFE EXISTING FEEDER TERMINATIONS AND COORDINATE REMOVAL OF EXISTING SERVICE EQUIPMENT AND RETURN TO UTILITY. CAP AND SEAL EXISTING CONDUITS WATERTIGHT.
- 6. REMOVE EXISTING RECEPTACLES AND REINSTALL TO NEW WALL. SEE E-225 FOR NEW LOCATIONS.



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 PROJECT TRACKING

 RBA #:
 2327

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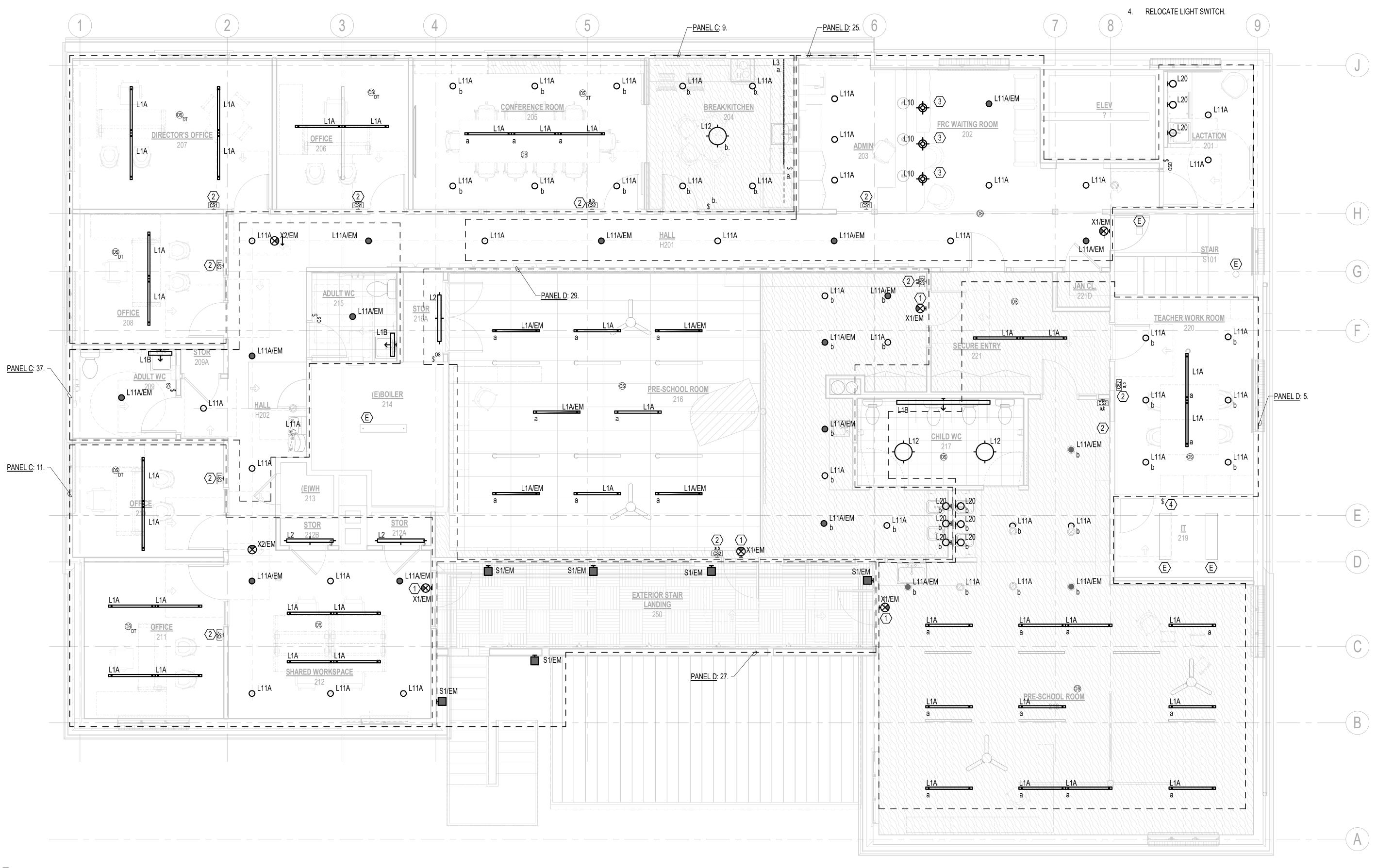
### Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

DEMO FLOOR PLANS -1ST AND 2ND -ELECTRICAL

**E-102** 



1 <u>2ND FLOOR - LIGHTING</u> 1/4" = 1'-0"

# **GENERAL NOTES:**

- A. ALL EMERGENCY LIGHTING LABELED 'EM' SHALL BE PROVIDED WITH A UL-924 DEVICE SO THAT LIGHTING OPERATES WITH OTHER IN AREA UNDER NORMAL CONDITIONS BUT OVERRIDES TO FULL OUTPUT UNDER LOSS OF POWER.
- B. COORDINATE EXACT QUANTITY AND INSTALLATION LOCATION OF ALL LUMINAIRES WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
- C. PROVIDE ALL EXIT SIGNS WITH AN UNSWITCHED HOT.

# ○<u>NOTES:</u>

- 1. CENTER WALL-MOUNTED EXIT SIGN ABOVE DOOR. CONFIRM EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2. PROVIDE DEDICATED ROOM CONTROLLER (WATTSTOPPER # LMRC OR APPROVED EQUIVALENT) TO CONTROL ALL LIGHTING IN SPACE. CONFIGURE AS MANUAL ON VIA CONTROL STATION BUTTON(S), AUTOMATIC OFF VIA CEILING-MOUNTED OCCUPANCY SENSORS. PROVIDE DAYLIGHTING HARVESTING PHOTOSENSOR IF INDICATED ON DRAWINGS. LOCATE ROOM CONTROLLER INSIDE ROOM ON WALL ABOVE CONTROL STATION ABOVE ACCESSIBLE CEILING, UNLESS OTHERWISE NOTED. CONTROL STATION SHALL HAVE A DEDICATED BUTTON FOR EACH ZONE SHOWN ON DRAWINGS (INDICATED BY LOWER CASE LETTER(S)). IF NO ZONES ARE CALLED OUT, PROVIDE SINGLE BUTTON TO CONTROL ALL LIGHTING IN SPACE.
- 3. CONTROL DECORATIVE PENDANT LUMINAIRE WITH ADMIN 203 CONTROL STATION.



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PROJECT	TRACKING
RBA #:	2327
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PM / PA:	

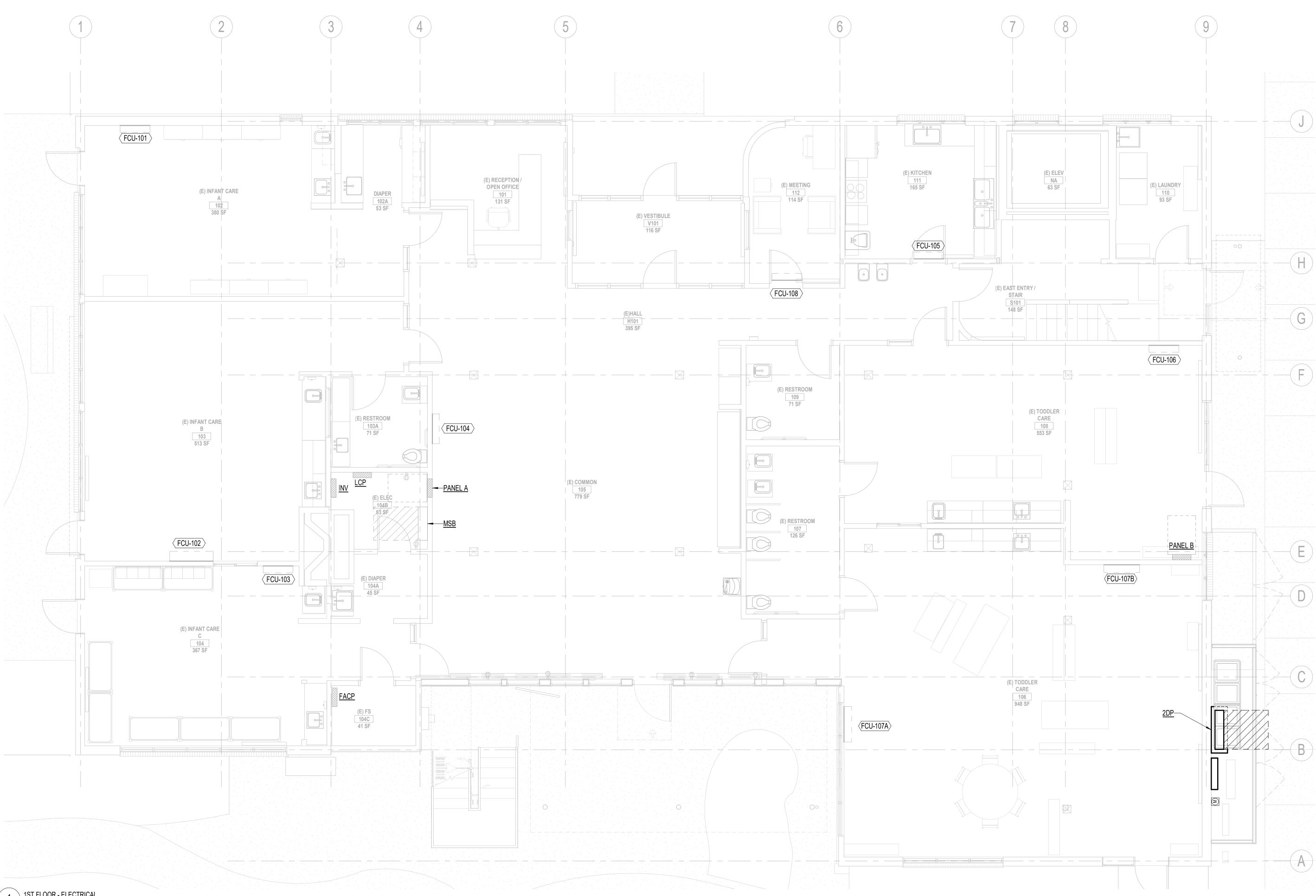
### Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

**E-222** 

SCHEMATIC 2ND FLOOR PLAN - LIGHTING



1 IST FLOOR - ELECTRICAL 1/4" = 1'-0"

# **GENERAL NOTES:**

A. REFER TO EQUIPMENT CONNECTION SCHEDULE ON SHEET E-003 FOR MECHANICAL UNIT FEEDER CHARACTERISTICS.



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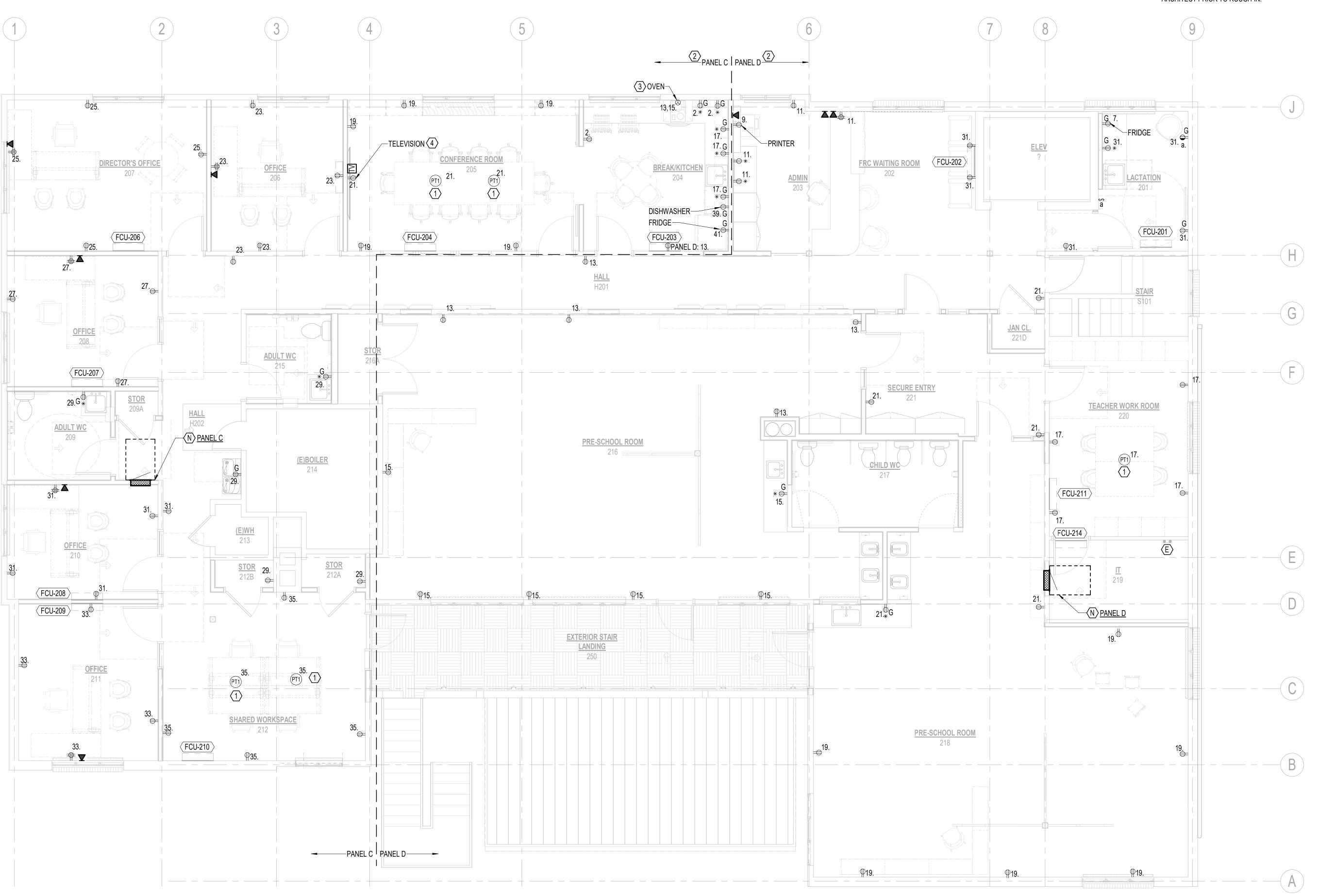
### Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

**E-225** 

SCHEMATIC 1ST FLOOR PLAN - ELECTRICAL



2ND FLOOR - ELECTRICAL 1/4" = 1'-0" 

# **GENERAL NOTES:**

A. REFER TO EQUIPMENT CONNECTION SCHEDULE ON SHEET E-003 FOR MECHANICAL UNIT FEEDER CHARACTERISTICS.

# ○<u>NOTES:</u>

- 1. COMBINATION POWER / DATA POKE-THROUGH STYLE FLOOR BOX.
- 2. CIRCUITS ON THIS SIDE OF THE DASHED LINE ARE CIRCUITED TO THE PANEL SHOWN.
- 3. PROVIDE NEMA 6-50R RECEPTACLE FOR OVEN WITH (2) 6 AWG CONDUCTORS AND (1) 10 AWG GROUND ROUTED IN (1) 3/4"C.
- 4. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.



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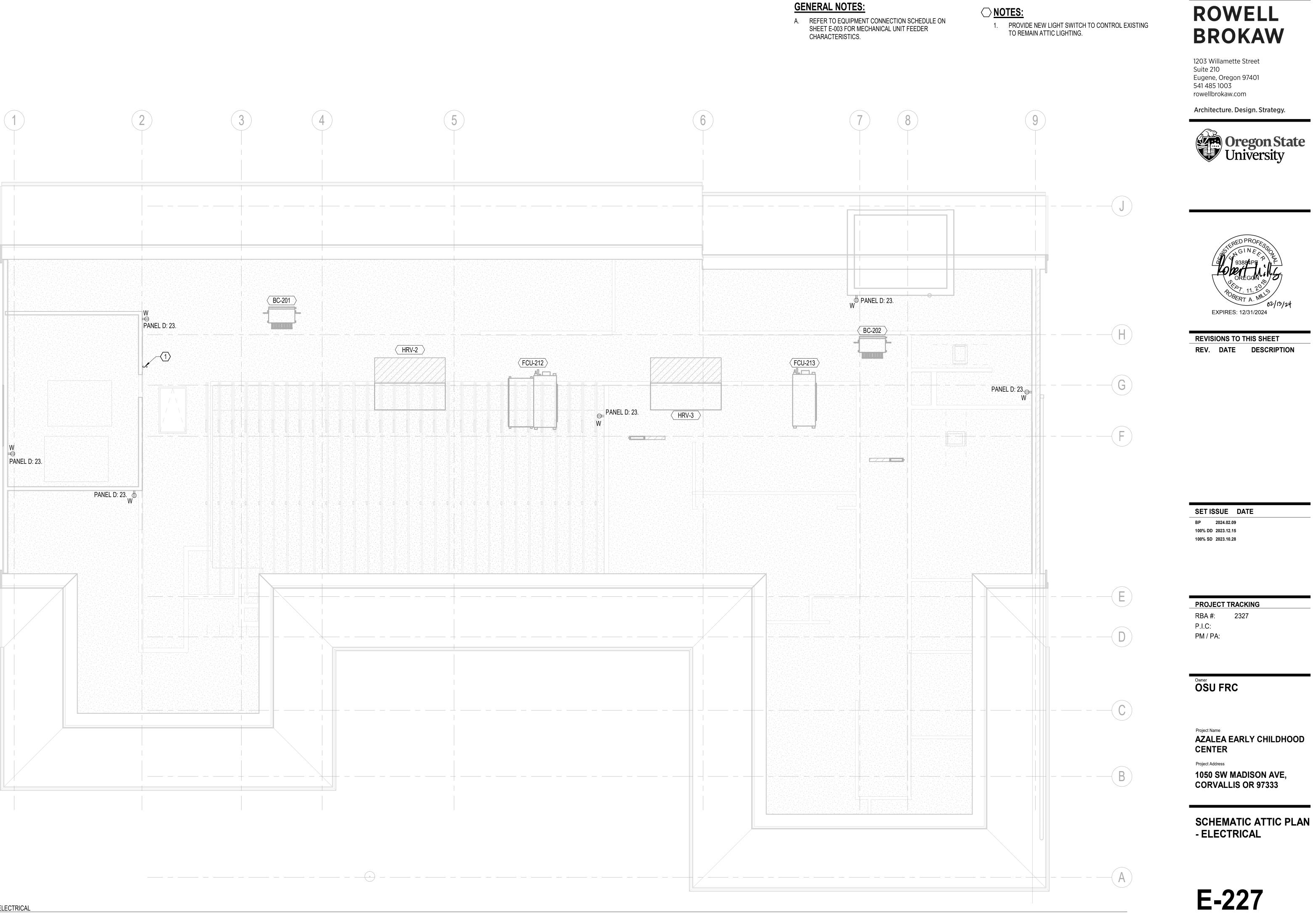
# Owner OSU FRC

Project Name AZALEA EARLY CHILDHOOD CENTER

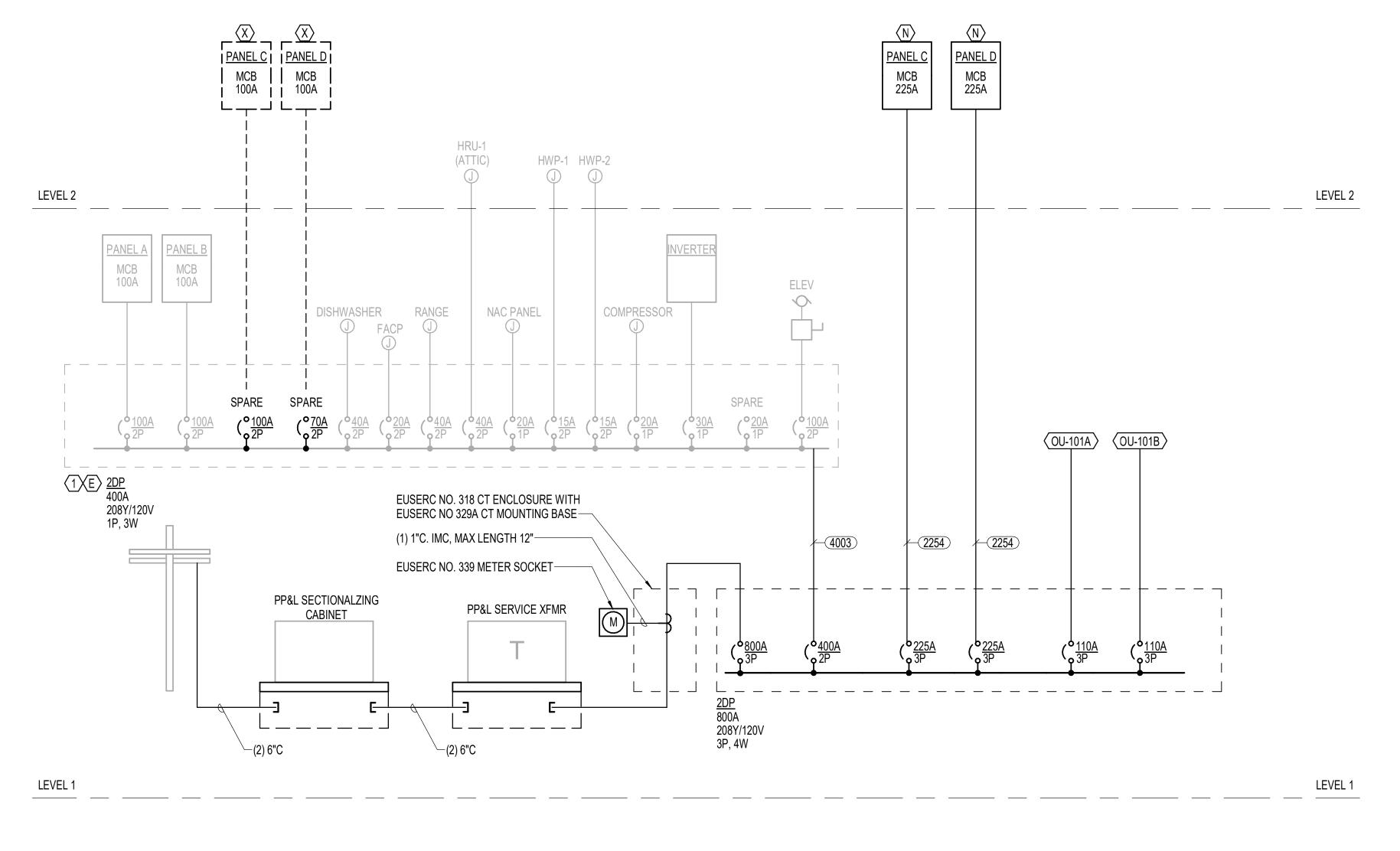
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**E-226** 

SCHEMATIC 2ND FLOOR PLAN - ELECTRICAL



# **GENERAL NOTES:**



# **GENERAL NOTES:**

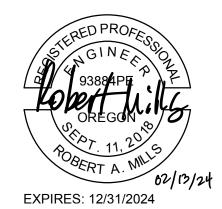
- A. EQUIPMENT SHOWN AS HALFTONED IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- B. REFER TO EQUIPMENT CONNECTION SCHEDULE ON SHEET E-003 FOR MECHANICAL UNIT FEEDER CHARACTERISTICS.



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### Owner OSU FRC

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DIAGRAMS -ELECTRICAL



# ○<u>NOTES:</u>

1. EXISTING SINGLE PHASE 240 VOLT LOADS FED FROM THIS SWITCHBOARD SHALL BE AUDITED FOR 208V CONNECTION VIABILITY. ANY EQUIPMENT FOUND TO BE RATED FOR 240V ONLY SHALL BE REPLACED.

	LOCATION: EXTERIOR SUPPLY FROM: PP&L SERVIC MOUNTING: FLOOR ENCLOSURE: NEMA-1		VOLTS: 208/120 PHASES: 3 WIRES: 4 JB FEED LUGS: No	Wye			A.I.C. RATING: BUS RATING: 800 A MAINS TYPE: MCB MCB RATING: 800					
СКТ	CIRCUIT DESCRIPTION		TRIP RATING (A)	POLES	A (VA)	B (VA)	C (VA)		NOTES			
1	PANEL C		225	3	8,961	9,535	5,630					
2	PANEL D		225	3	6,129	4,114	4,588					
3	OU-101A		110	3	7,926	7,926	7,926					
4	OU-101B		110	3	7,926	7,926	7,926					
5												
6 7												
8												
9												
10												
			TOTAL LO	AD (VA):	30,941	29,501	26,070					
			TOTAL LO	DAD (A):	262	250	217					
	ASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	CALC	CULATED							
TG							SWITCHBOARD TOTAL					
PNON		16,418 VA	100.00%	16	3,418 VA			ONNECTED:				
PMTR		51,029 VA	111.65%		6,973 VA			D DEMAND:				
PREC		16,560 VA	80.19%	13,280 VA				240 A				
						(	CALCULATE	D DEMAND:	249 A			
NOTES:												

# PANELBOARD: PANEL C

### LOCATION: HALL H202 SUPPLY FROM: 2DP MOUNTING: FLUSH

ENCLOSURE: NEMA-1

VOLTS: 208/120 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No

скт	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES		A (A)		B (VA)		C A)	POLES	TRIP (A)	LOAD CLASS.	CIRCL	JIT DESCRIPTION	скт
1	FCU-101, 102, 103, 104, 105, 106, 107	PMTR	15	2	551	540					1	20	PREC	RCPT - BREAK/	KITCHEN 204	2
3			15	2			551	728			2	15	PNON	HRV-2		4
5	FCU-204, 205, 206, 207, 208, 209, 210	PMTR	15	2					175	728	2	10	TNON	111.1.1		6
7					175	163					2	20	PNON	PNON		8
9	NW OFFICE/ CONFERENCE LTG	LTG	20	1			562	163			-	20				10
11	SW OFFICE LTG	LTG	20	1					487							12
13	OVEN - BREAK/KITCHEN 204	PNON	40	2	4,550	0					1	20		SPARE		14
15							4,550	0			1	20		SPARE		16
17	RCPT - BREAK/KITCHEN 204	PREC	20	1					540	0	1	20		SPARE		18
19	RCPT - CONFERENCE RM 205	PREC	20	1	900	0					1	20		SPARE		20
21	FLOOR BOX - CONFERENCE RM 205	PNON; PREC	20	1			180	0			1	20		SPARE		22
23	RCPT - OFFICE 206	PREC	20	1					1,080	0	1	20		SPARE		24
25	RCPT - DIRECTOR'S OFFICE 207	PREC	20	1	900	0					1	20		SPARE		26
27	RCPT - OFFICE 208	PREC	20	1			900	0			1	20		SPARE		28
29	RCPT - WC 209, 215, STOR 212B, JANITO	PREC	20	1					900	0	1	20		SPARE		30
31	RCPT - HALL H202, OFFICE 210	PREC	20	1	1,080	0					1	20		SPARE		32
33	RCPT - OFFICE 211	PREC	20	1			900	0			1	20		SPARE		34
35	RCPT, FLOOR BOX - WORKSPACE 212	PNON; PREC	20	1					720	0	1	20		SPARE		36
37	WEST HALL/ RESTROOM LTG	LTG	20	1	102	0					1	20		SPARE		38
39	RCPT - DISHWASHER - BREAK/KITCHEN	PNON	20	1			1,000	0			1	20		SPARE		40
41	RCPT - FRIDGE - BREAK/KITCHEN 204	PNON	20	1					1,000	0	1	20		SPARE		42
		тот	AL LOA	AD (VA):	8,9	961	9,5	9,535		5,630						
		то	TAL LC	DAD (A):	7	79		84		47						
			CONN	IECTED I	ΟΔΠ	DEM		TOR			D DEMAN					
LTG			-	1,151 VA	-				1,439 VA				PANEL TOTALS			
							125.00%		12,883 VA					CONNECTED: 24,126 VA		
PNON				2,883 VA	۱		100.00%									
PMTR				1,452 VA			104.55%			1,518		C		D DEMAND:	,	
PREC				8,640 VA			100.00%			8,640	VA		С	ONNECTED:	67 A	
												C	ALCULATE	D DEMAND:	68 A	

# PANELBOARD: PANEL D

LOCATION: IT 219

MOUNTING: FLUSH ENCLOSURE: NEMA-1

SUPPLY FROM: 2DP

# VOLTS: 208/120 Wye **PHASES:** 3 WIRES: 4 SUB FEED LUGS: No

СКТ	CIRCUIT DESCRIPTION	LOAD CLASS.	TRIP (A)	POLES	ې (۷	A)	-	B (VA)		C (VA)		TRIP (A)	LOAD CLASS.	CIRCUIT DESCRIPTION	JIT DESCRIPTION	скт
1	FCU-201, 202, 203, 211, 212, 213	PMTR	15	2	1,011	0	1.014	0			1	20		SPARE		2
3		LTG		4			1,011	0	<u> </u>		1	20 20		SPARE SPARE		4
5	PRE-SCHOOL 218 LTG RCPT - FRIDGE - LACTATION 201	PNON	20 20		1,000	0			693	0		20		SPARE		8
9	RCPT - PRINTER - ADMIN 203	PNON	20		1,000	0	1.000	0			1	20		SPARE		10
-	RCPT - PRINTER - ADMIN 203	PNON	-				1,000	0	000	0	1	-		SPARE		10
11	RCPT - ADMIN 203 RCPT - HALL H201, PRE-SCHOOL RM 216	PREC	20 20		1,080	0			900	0		20		SPARE		12
13	RCPT - HALL H201, PRE-SCHOOL RM 216	PREC			1,080	0	1 000					20		SPARE		14
15		PREC PNON; PREC	20				1,080	0	720	0		20		SPARE		18
17			20		1.000	0			720	0		20				20
19	RCPT - PRE-SCHOOL RM 218	PREC PREC	20		1,080	0	900					20		SPARE SPARE		20
21	RCPT - PRE-SCHOOL RM 218/ENTRY 221 RCPT - ATTIC SPACE	PREC	20 20				900	0	1 000			20		SPARE		22
23					450				1,080	0		20		-		24
25	EAST HALL/ RECEPTION LTG	LTG	20		150	0	04				1	20		SPARE		
27	EXTERIOR LIGHTS	LTG LTG	20				84	0	407		1	20		SPARE		28
29	PRE-SCHOOL 216 LTG		20		4.000				427	0		20		SPARE		30
31	RCPT - LACTATION 201, FRC WAITING R	PREC	20	1	1,080	0		0			1	20		SPARE		32
33								0	700	0	1	20		SPARE		34
35	HRV-3	PNON	15	2	700	0			728	0	1	20		SPARE		36
37					728	0	40				1	20		SPARE		38
39	PNON	PNON	20	2			40	0	40		1	20		SPARE		40
41									40	0	1	20		SPARE		42
		TOT	TAL LOA	AD (VA):	6,1	29	4,1	14	4,5	88						
		тс	DTAL LO	DAD (A):	5	2	3	4	3	9						
				IECTED		DEM					DEMAN					
				1.355 VA			AND FAC 125.00%	-	CALC					PANE	L TOTALS	
LTG				,						1,693				<u></u>	44.004.14	
PNON				3,535 VA			100.00%			3,535				ONNECTED:	,	
PMTR				2,022 VA			111.27%			2,250	VA	C	CALCULATE	D DEMAND:	15,398 VA	
PREC				7,920 VA			100.00%			7,920	VA		С	ONNECTED:	41 A	
												(		D DEMAND:	43 A	

NOTES:

# A.I.C. RATING: 22kAIC BUS RATING: 225 A Mains Type: MLO MCB Rating: N/A

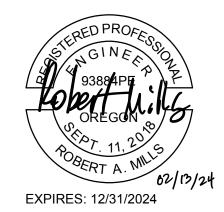
A.I.C. RATING: 42kAIC BUS RATING: 225 A MAINS TYPE: MCB MCB RATING: 225



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PROJECT TRACKING RBA #: 2327 P.I.C: PM / PA:

# Owner OSU FRC

Project Name
AZALEA EARLY CHILDHOOD
CENTER

Project Address 1050 SW MADISON AVE, CORVALLIS OR 97333

# PANEL SCHEDULES

# **E-801**