SCIENCE CLASSROOM AND SCIENCE PREP ROOM TI AT PUYALLUP HIGH SCHOOL

715 W MAIN, PUYALLUP, WA 98371

PROJECT INFOMATION

LOCATION MAPS

TAX ID ADDRESS:

PF-PUBLIC FACILITIES

TYPE OF CONSTRUCTION: BUILDING-01: VN (UBC, EXISTING) BUILDING-02: V(UBC, EXISTING) NOTE: NO CHANGE IN SF

BUILDING-01 SF): LEVEL 1 46,332 SF LEVEL 2 39,702 SF LEVEL 3 32,384 SF TOTAL SF: 118,418 SF

BUILDING-02 SF:

OCCUPANCY GROUP:

NOTE: NO CHANGE IN SF

LEVEL 1: 15,571 SF LEVEL 2: 10,222 SF TOTAL: 25,793 SF

365,033 SF (8.38 ACRES) PARCEL NUMBERS:

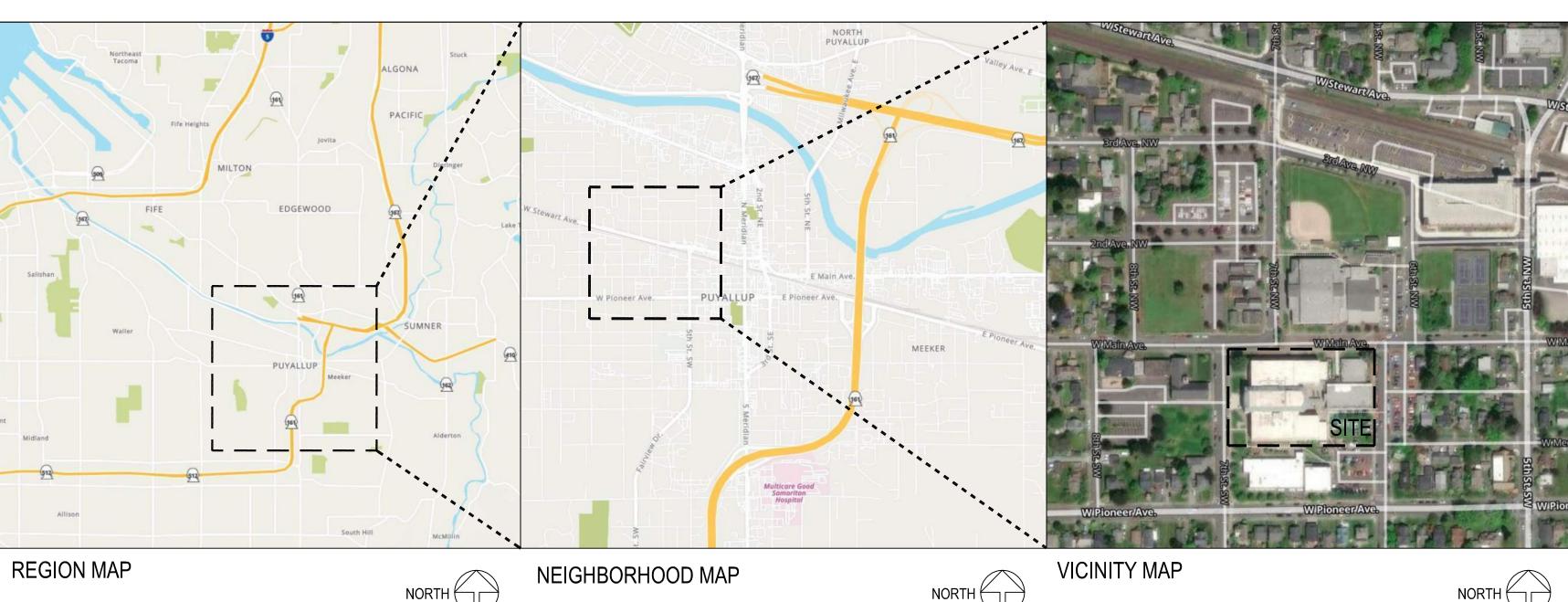
LEGAL DESCRIPTION:

Section 28 Township 20 Range 04 Quarter 42 MILLERS A J TO PUYALLUP PUYALLUP HIGH SCHOOL PROP L 1 THRU 8 B 5, L 1 THRU 12 B 6 INCL 2ND AVE VAC TOG/W POR MAIN ST ABUTT VAC BY ORD 2582 TOG/W MAPLEWOOD ADD L 1 THRU 17 B 1, L 1 THRU 17 B 6, L 1 THRU 17 B 7 INCL MEEKER & ALLEY VAC TOG/W POR MAIN ST ABUTT VAC BY ORD 2582 APPROVED COMB BY CY OF PUYALLUP PLANNING DEPT 2/13/09 COMB OF 015-0 & 550500-001-0 & 024-0 SEG 2009-0561 JU

- AUTOMATIC FIRE DETECTION & SUPPRESSION SYSTEMS ORDINANCE NO. 1902-92 IBC, 2018 EDITION WITH WA AMENDMENTS
- ACCESSIBLE AND USABLE BUILDINGS & FACILITIES, ANSI A117.1-2009 WITH WA 2018 IFC and UPC INTERNATIONAL FIRE CODE (IFC), 2019 EDITION WITH WA AMENDMENTS
- NATIONAL ELECTRIC CODE (NEC), 2019 EDITION WITH WA AMENDMENTS UNIFORM PLUMBING CODE (UPC), 2019 EDITION WITH WA AMENDMENTS INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2019 EDITION WITH WA

INTERNATIONAL MECHANICAL CODE (IMC), 2019 EDITION WITH WA AMENDMENTS

PIERCE COUNTY DESIGN & CONSTRUCTION STANDARDS & SPECIFICATIONS PIERCE COUNTY STORMWATER MANAGEMENT MANUAL



GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATE THE WORK OF ALL TRADES INVOLVED IN THE PROJECT AS PART OF THIS
- CONTRACTOR SHALL VERIFY CONDITIONS AT THE SITE AND REPORT ALL
- CONTRACTOR SHALL PROVIDE A COMPLETE AND PROPER EXECUTION BETWEEN ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL CIVIL OR LANDSCAPE DRAWINGS IS FOUND, CONTACT THE ARCHITEC
- REGULATIONS, STANDARDS, CONSTRUCTION, MATERIALS AND REQUIREMENTS FOR INSTALLATION OF MATERIALS SHALL CONFORM TO AND BE GOVERNED BY THE EDITION OF THE CODE IDENTIFIED IN THE
- REFERENCING DRAWINGS IS FOR CONVENIENCE ONLY AND DOES NOT LIMIT APPLICATION OF DRAWINGS OR DETAILS.
- N.I.C. EQUIPMENT IS FURNISHED AND INSTALLED BY OTHERS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION AND EQUIPMENT INSTALLATION.
- F.O.I.C. EQUIPMENT IS FURNISHED BY OTHERS AND INSTALLED AS PART COORDINATING THE WORK AS REQUIRED FOR INSTALLATION.
- DO NOT SCALE DRAWINGS: CONTACT ARCHITECT FOR ANY NEEDEI CLARIFICATIONS.
- WHERE EXTERIOR CONCRETE WALKS AND LANDINGS ABUT BUILDINGS, THEY SHALL BE SLOPED AWAY FROM THE BUILDING AS NOTED, BUT IN NO CASE LESS THAN 1/8":12".

Planning Division Approved per PMC 20.80.031 Minor additions or

nodifications to sites and structures

(Conditional Use Permit). Proposa

meets all required findings of PMC

20.80.031 (1-6).

12/21/2023 4:17:20 PM

INDEX OF DRAWINGS

Sheet No. Sheet Name

G-000 GENERAL PROJECT INFORMATION

ARCHITECTURAL SITE PLAN AS100 SITE PLAN

ARCHITECT

CONSULTANT

CLIENT/OWNER

PRCTI20231574

ARCHITECTURAL DEMOLITION 2001 WESTERN AVE, STE# 200, SEATTLE, WA 98121 www.studioms.com | P: 206.587.3797 AD01-101 OVERALL 1ST FLOOR DEMO FLOORPLAN BUILDING 50-01

(BUILDING 02)

AD02-711 INTERIOR DEMOLITION ELEVATIONS & PLANS AD02-721 INTERIOR DEMOLITION ELEVATIONS & PLANS

ARCHITECTURAL

A01-101 OVERALL 1ST FLOORPLAN BUILDING 50-01 A01-102 OVERALL 2ND FLOORPLAN BUILDING 50-01 A01-103 OVERALL 3RD FLOORPLAN BUILDING 50-01

AD01-731 INTERIOR DEMOLITION ELEVATIONS & PLANS

- A01-731 INTERIOR ELEVATIONS & PLANS **MECHANICAL**
- M01-103 OVERALL 3RD FLOOR MECH FLOOR PLAN BUILDING 50-01 M01-731 - ENLARGED MECHANICAL PLANS BUILDING 50-01

E01-001 - ELECTRICAL LEGEND AND DRAWING INDEX E01-002 - ELECTRICAL ABBREVIATIONS AND GENERAL NOTES E01-003 - ELECTRICAL DRAWING SPECIFICATIONS E01-103 - OVERALL 3RD FLOOR ELECTRICAL FLOORPLAN BUILDING 50-01 E01-901 - ELECTRICAL ONE-LINE DIAGRAM & PANEL SCHEDULES

SCIENCE CLASSROOM & SCIENCE PREP **ROOM TI AT**

SCHOOL 105 7TH ST SW PUYALLUP, WA

DATE

OCT, 26 2023

GENERAL

PROJECT

2023106

INFORMATION

STAMP

ISSUED:

PERMIT SET

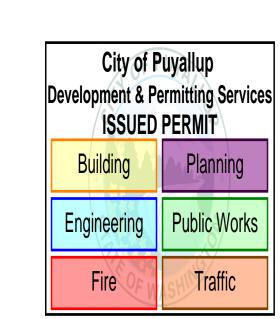
PERMIT RESUBMITTAL SET JAN. 2, 2024

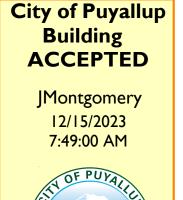
PUYALLUP HIGH

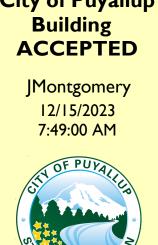
FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON

SITE FOR ALL INSPECTIONS (MIN. PLAN SIZE 24" X 36")

Approval of submitted plans is not an approval of omissions or oversights by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.



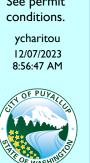




City of Puyallup

An approved reduced pressure backflow assembly (RPBA) service per City Standard Detail 03.04.02. The applicant shall apply for a Utility Service Repair Permit through the CityView portal, replace the backflow device, and receive approval from the City inspector prior to occupancy. For more information on backflow prevention, visit https://www.cityofpuyallup.org/1131/Backflow-Prevention-Cross-

Upon approval of the installation by the city inspector, the backflow device shall be tested by a Washington State certified backflow assembly tester, and the test report results shall be submitted to the City prior to occupancy of the building.



Owner's Project # Architect's Project #: Drawn By

Building Permit #:

Site Permit #:

Checked By

PERMIT SET

PROJECT TEAM **DEFERRED SUBMITTALS**

Puyallup School District 323 12th St NW Puyallup, WA 98371 P: (253) 381-9174

ARCHITECT Studio Meng Strazzara 2001 Western Ave Suite #200 Seattle, WA 98121 Agent: Larry Vandeberg P: (206) 587-3797 PIC: Steve Lee Project Manager: Robert Landa

MECHANICAL ENGINEER BCE Engineers, Inc. 6021 12th St E, Suite #200 Fife, WA 98424 P: (253) 922-0446 PIC: Chris Caffee

Project Engineer: Alma Castro

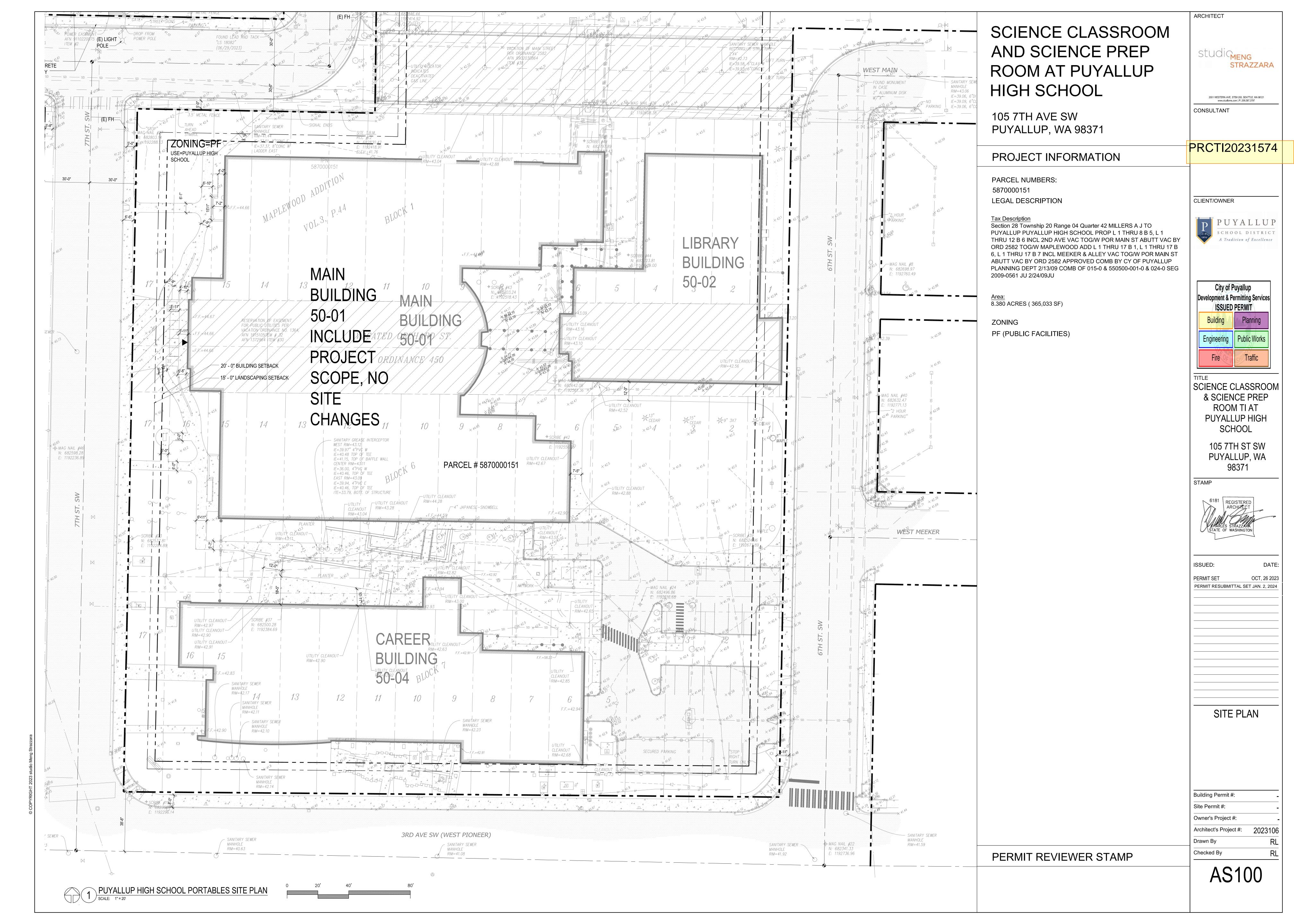
ELECTRICAL ENGINEER Hargis Engineers, Inc. 1201 Third Ave, Suite #600 Seattle, WA 98101 P: (206) 436-0457 PIC: Brendon Inman Project Engineer: Taylor Vanderkley

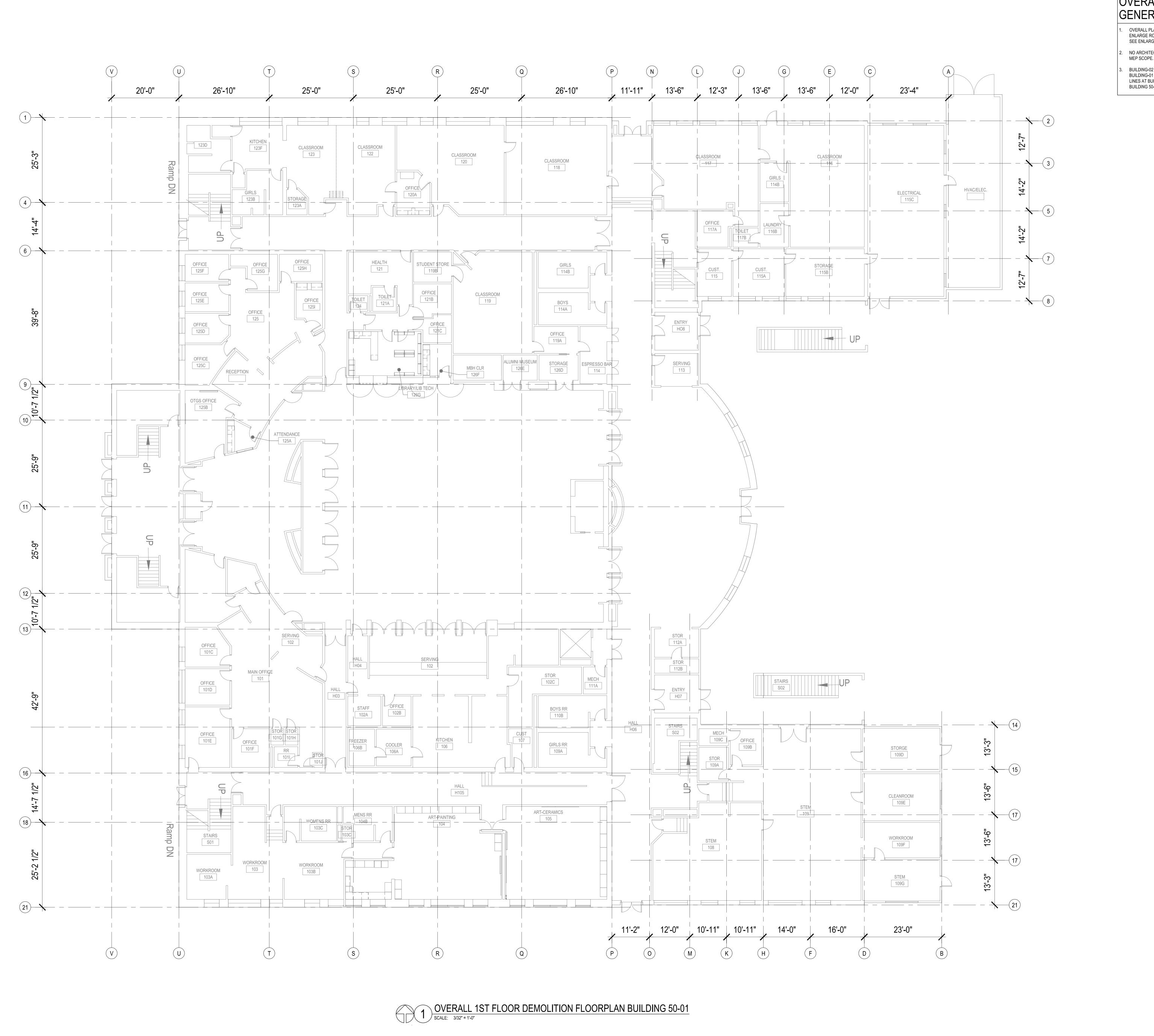
PROJECT SCOPE OF WORK

THE WORK WILL BE, BUT NOT LIMITED TO A LIMITED TENANT IMPROVEMENT TO ADD 3 STUDENT LAB STATION AT BUILDING 01, CHEMISTRY CLASSROOM 01-325 AND RELOCATE FUME HOOD AND REFRIGERATOR FROM BUILDING-02. BUILDING 01, STORAGE ROOM 01-319B WILL BE IMPROVED TO BECOME A CHEMISTRY PREP ROOM. THIS CHEMISTRY PREP ROOM IMPROVEMENT WILL INCLUDE RELOCATING THE EXISTING FUME HOOD, HAZMAT CABINETS, CHEMICAL STORAGE CABINETS, EMERGENCY EYEWASH, CHEMISTRY EQUIPMENT SIN, AND INSTALLING A NEW EMERGENCY SHOWER. SEE PLANS FOR FULL SCOPE.

BUILDING-02 IS NOT CURRENTLY OCCUPIED FOR THE 2023-2024 SCHOOL YEAR AND NO STAFF OR STUDENT ACTIVITIES ARE PLANNED TO TAKE PLACE IN BUILDING-02, WHICH IS PLANNED FOR FUTURE DEMOLITION IN SPRING/SUMMER OF 2024. THE DEMOLITION OF BUILDING-02 WILL BE PERMITTED SEPARATELY. SALVAGE OF ITEMS CURRENTLY IN BUILDING-02 IS SHOWN FOR REFERENCE ONLY, NO NEW SCOPE IS PROPOSED FOR THIS BUILDING.

PERMIT REVIEWER STAMP





OVERALL FLOOR PLAN GENERAL DEMOLITION NOTES

OVERALL PLANS ARE PROVIDED FOR PLAN REFERENCE ONLY. REFER TO ENLARGE ROOM PLANS AND INTERIOR ELEVATIONS FOR MORE INFORMATION. SEE ENLARGED PLANS ON AD7 SERIES DWGS FOR PLAN INFORMATION.

NO ARCHITECTURAL WORK SCOPE AT BUILDING 05-01 FLOORS 2 & 3 EXCEPT FOR

MEP SCOPE. REFER TO MEP SHEETS FOR MORE INFORMATION.

P9 P8

P7 P6

P5 P4 P3 P2 P1

BLDG-50-01

BLDG-50-04

PHS CAMPUS KEY PLAN

SCALE: NTS

BUILDING-02 IS LIMITED TO DEMOLITION/SALVAGE OF ITEMS TO BE PLACED IN BUILDING-01 FOR SCIENCE PROGRAM RELOCATION. CAP REMAINING UTILITY LINES AT BUILDIING #2 AFTER PLUMBING REMOVAL. NO NEW WORK SCOPE AT BUILDING 50-02 AT EITHER LEVEL.

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ARCHITECT

PRCTI20231574

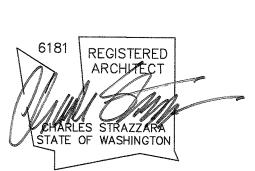
CLIENT/OWNER

SCHOOL DISTRICT A Tradition of Excellence

City of Puyallup Development & Permitting Services

SCIENCE CLASSROOM & SCIENCE PREP **ROOM TI AT** PUYALLUP HIGH SCHOOL

> 105 7TH ST SW PUYALLUP, WA 98371



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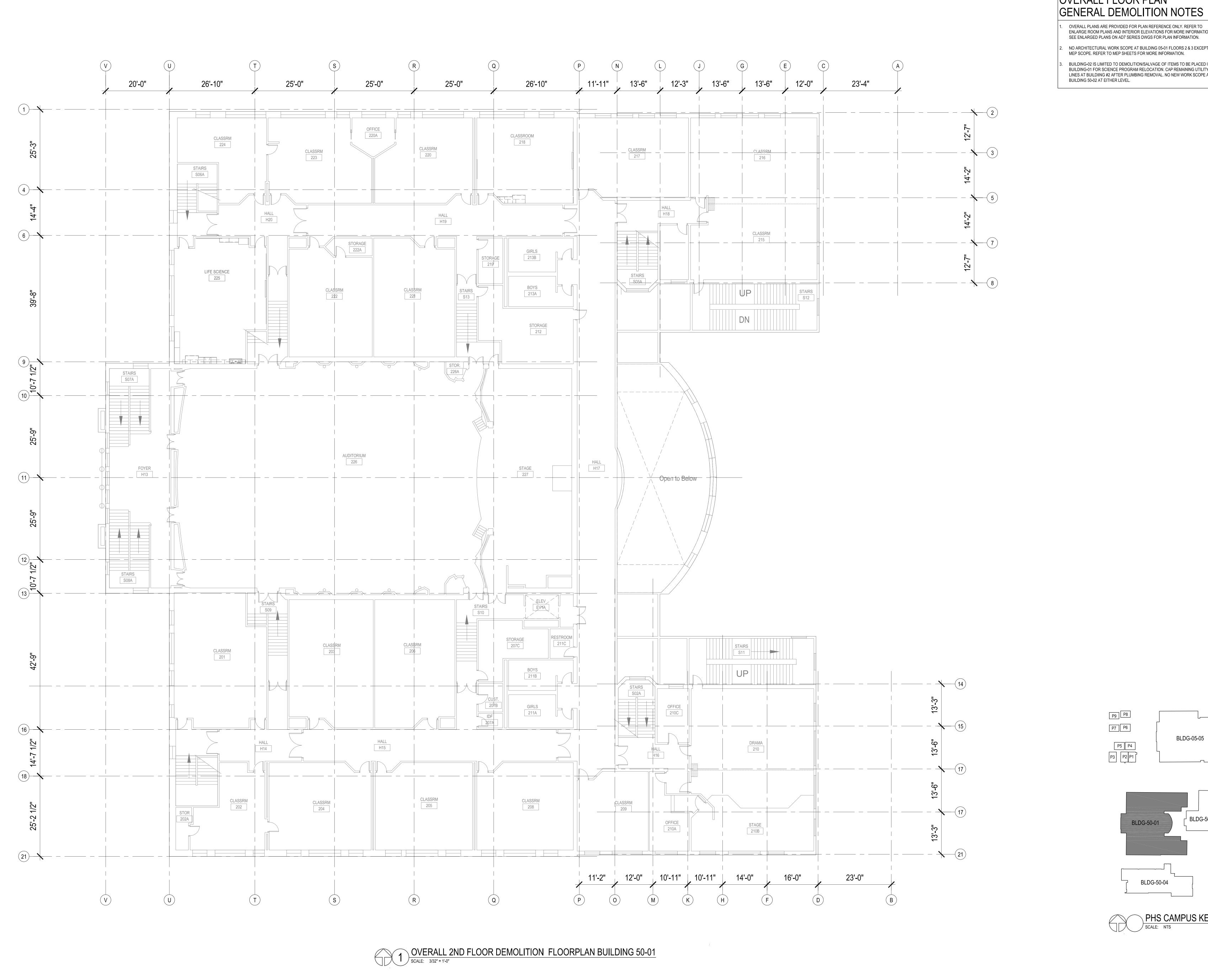
PERMIT SET PERMIT RESUBMITTAL SET JAN. 2, 2024

P13 P12 P11 P10 BLDG-05-05

> OVERALL 1ST FLOOR DEMO FLOORPLAN **BUILDING 50-01**

Building Permit #: Site Permit #: Owner's Project #: Architect's Project #: 2023106 Checked By

AD01-101



OVERALL FLOOR PLAN

OVERALL PLANS ARE PROVIDED FOR PLAN REFERENCE ONLY. REFER TO ENLARGE ROOM PLANS AND INTERIOR ELEVATIONS FOR MORE INFORMATION. SEE ENLARGED PLANS ON AD7 SERIES DWGS FOR PLAN INFORMATION.

NO ARCHITECTURAL WORK SCOPE AT BUILDING 05-01 FLOORS 2 & 3 EXCEPT FOR

MEP SCOPE. REFER TO MEP SHEETS FOR MORE INFORMATION.

BUILDING-02 IS LIMITED TO DEMOLITION/SALVAGE OF ITEMS TO BE PLACED IN BUILDING-01 FOR SCIENCE PROGRAM RELOCATION, CAP REMAINING UTILITY LINES AT BUILDIING #2 AFTER PLUMBING REMOVAL. NO NEW WORK SCOPE AT studicmeng

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ARCHITECT

PRCTI20231574

CLIENT/OWNER

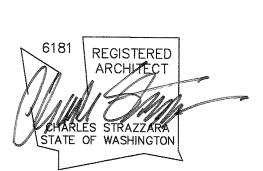
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City of Puyallup **Development & Permitting Services**

SCIENCE CLASSROOM & SCIENCE PREP **ROOM TI AT** PUYALLUP HIGH SCHOOL

> 105 7TH ST SW PUYALLUP, WA 98371



ISSUED: DATE PERMIT SET OCT, 26 2023

PERMIT RESUBMITTAL SET JAN. 2, 2024

P13 P12 P11 P10 BLDG-05-05







OVERALL 2ND FLOOR DEMO FLOORPLAN **BUILDING 50-01**

Building Permit #: Site Permit #: Owner's Project #: Architect's Project #: 2023106 Checked By

AD01-102



OVERALL FLOOR PLAN GENERAL DEMOLITION NOTES

OVERALL PLANS ARE PROVIDED FOR PLAN REFERENCE ONLY. REFER TO ENLARGE ROOM PLANS AND INTERIOR ELEVATIONS FOR MORE INFORMATION. SEE ENLARGED PLANS ON AD7 SERIES DWGS FOR PLAN INFORMATION.

NO ARCHITECTURAL WORK SCOPE AT BUILDING 05-01 FLOORS 2 & 3 EXCEPT FOR MEP SCOPE. REFER TO MEP SHEETS FOR MORE INFORMATION.

BUILDING-02 IS LIMITED TO DEMOLITION/SALVAGE OF ITEMS TO BE PLACED IN BUILDING-01 FOR SCIENCE PROGRAM RELOCATION. CAP REMAINING UTILITY LINES AT BUILDIING #2 AFTER PLUMBING REMOVAL. NO NEW WORK SCOPE AT BUILDING 50-02 AT EITHER LEVEL.

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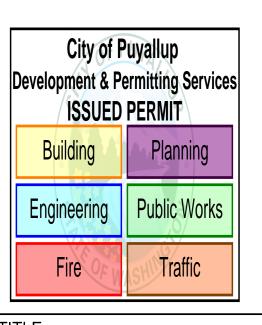
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ARCHITECT

PRCTI20231574

CLIENT/OWNER





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> 105 7TH ST SW PUYALLUP, WA 98371

STAMP

P13 P12

P11 P10

BLDG-05-05

 ✓ BLDG-50-02

P9 P8

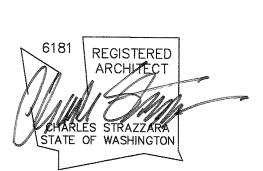
P7 P6

P5 P4 P1 P2 P1

BLDG-50-01

BLDG-50-04

PHS CAMPUS KEY PLAN
SCALE: NTS

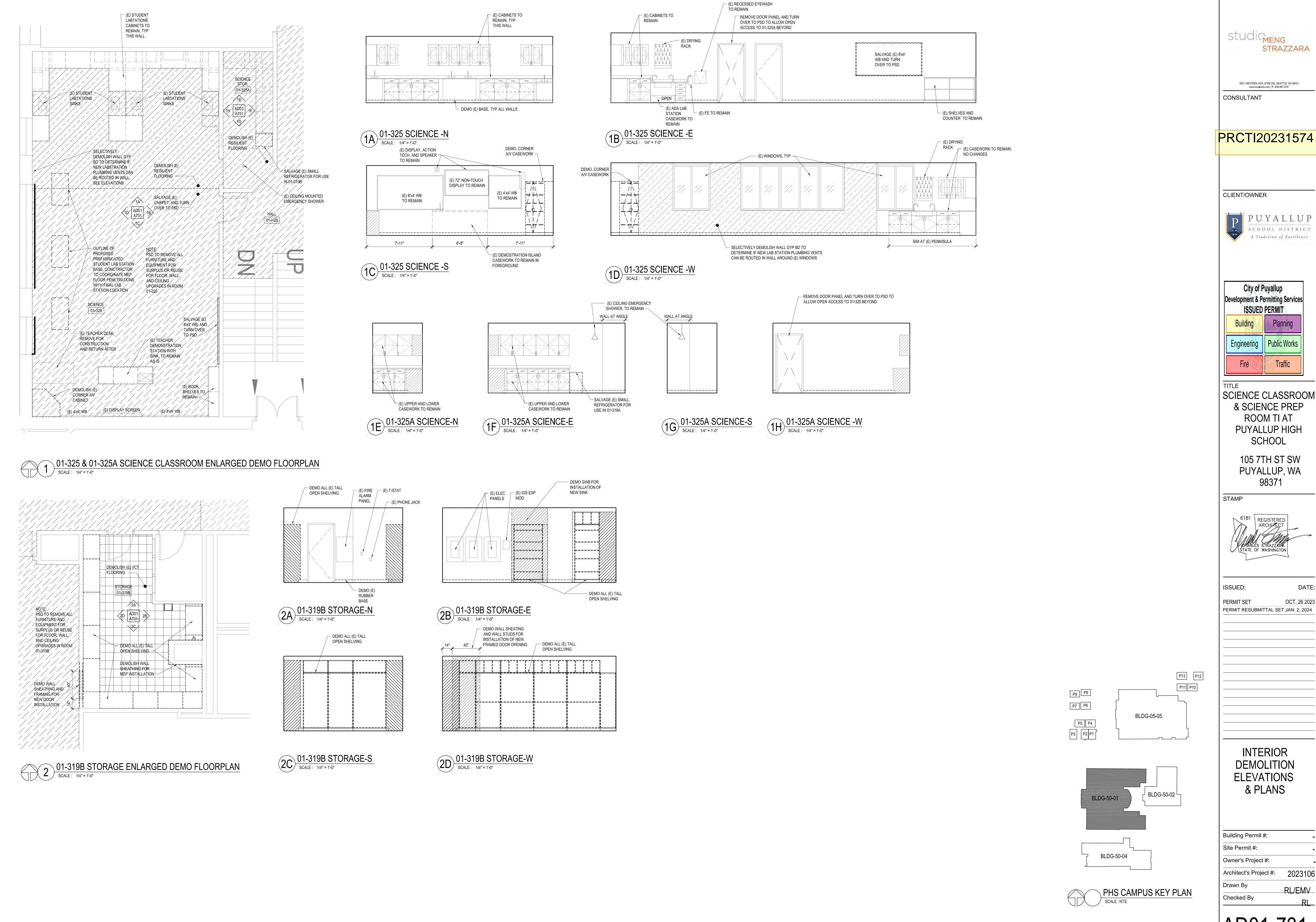


ISSUED: DATE PERMIT SET PERMIT RESUBMITTAL SET JAN. 2, 2024

OVERALL 3RD FLOOR DEMO FLOORPLAN **BUILDING 50-01**

Building Permit #: Site Permit #: Owner's Project #: Architect's Project #: 2023106 Checked By

AD01-103



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ARCHITECT



City of Puyallup **Development & Permitting Services**

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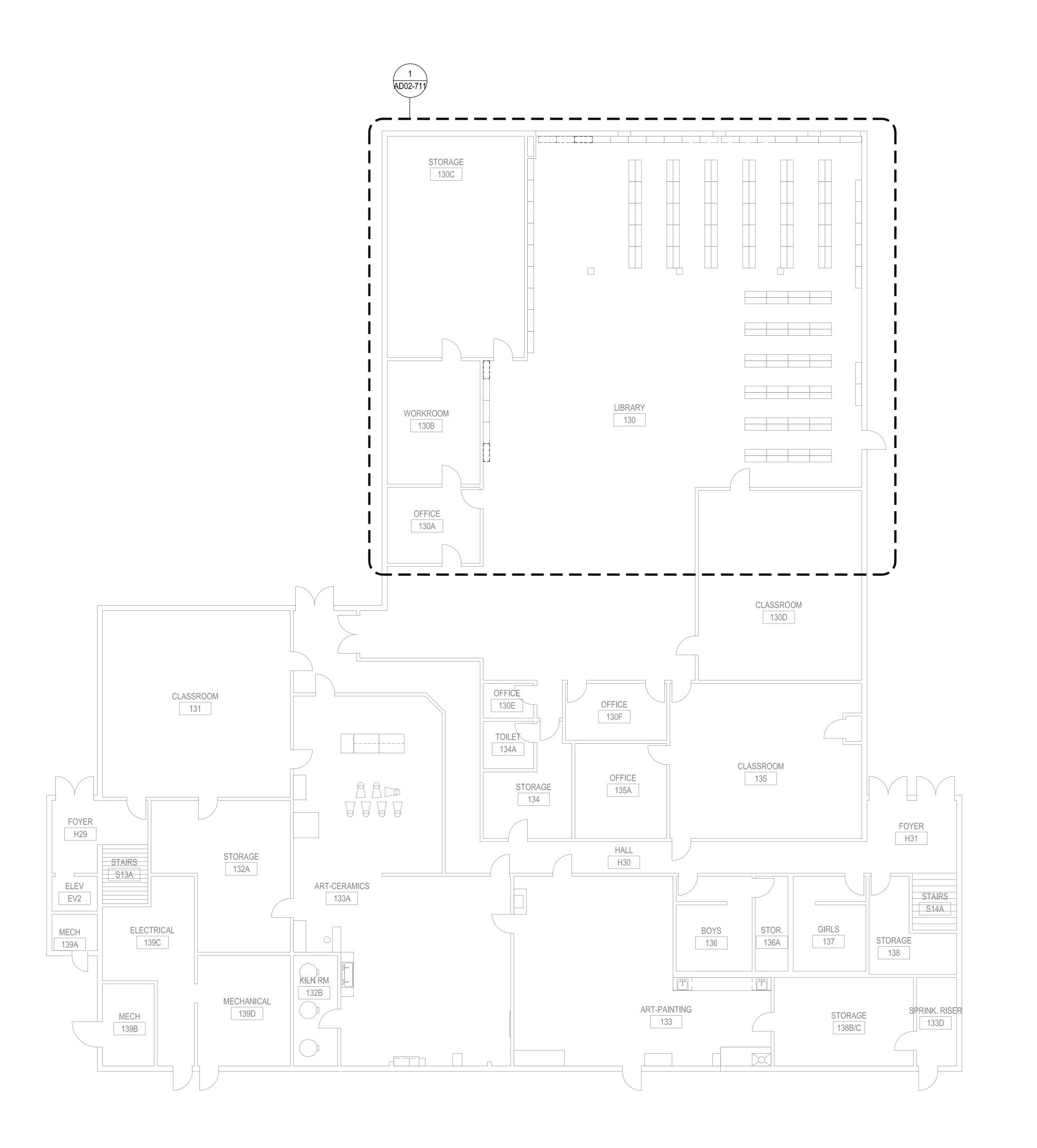
> 105 7TH ST SW PUYALLUP, WA



DATE OCT, 26 2023

INTERIOR **DEMOLITION ELEVATIONS** & PLANS

Building Permit #: Owner's Project #: 2023106 Architect's Project #: RL/EMV



OVERALL FLOOR PLAN GENERAL DEMOLITION NOTES

OVERALL PLANS ARE PROVIDED FOR PLAN REFERENCE ONLY. REFER TO ENLARGE ROOM PLANS AND INTERIOR ELEVATIONS FOR MORE INFORMATION. SEE ENLARGED PLANS ON AD7 SERIES DWGS FOR PLAN INFORMATION.

NO ARCHITECTURAL WORK SCOPE AT BUILDING 05-01 FLOORS 2 & 3 EXCEPT FOR

MEP SCOPE. REFER TO MEP SHEETS FOR MORE INFORMATION. BUILDING-02 IS LIMITED TO DEMOLITION/SALVAGE OF ITEMS TO BE PLACED IN BUILDING-01 FOR SCIENCE PROGRAM RELOCATION, CAP REMAINING UTILITY LINES AT BUILDIING #2 AFTER PLUMBING REMOVAL. NO NEW WORK SCOPE AT

BUILDING 50-02 AT EITHER LEVEL.

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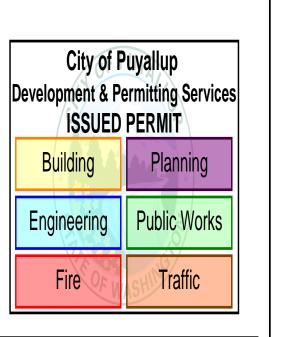
CONSULTANT

ARCHITECT

PRCTI20231574

CLIENT/OWNER

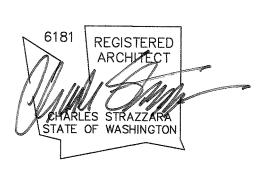




SCIENCE CLASSROOM & SCIENCE PREP **ROOM TI AT** PUYALLUP HIGH SCHOOL

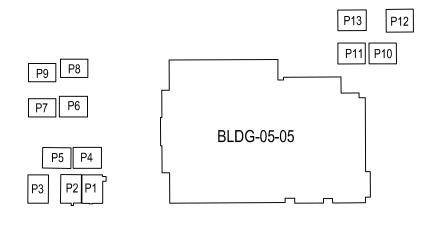
> 105 7TH ST SW PUYALLUP, WA 98371

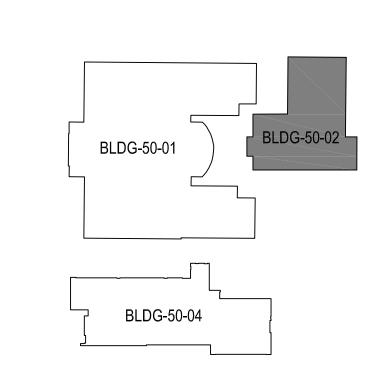
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PERMIT RESUBMITTAL SET JAN. 2, 2024

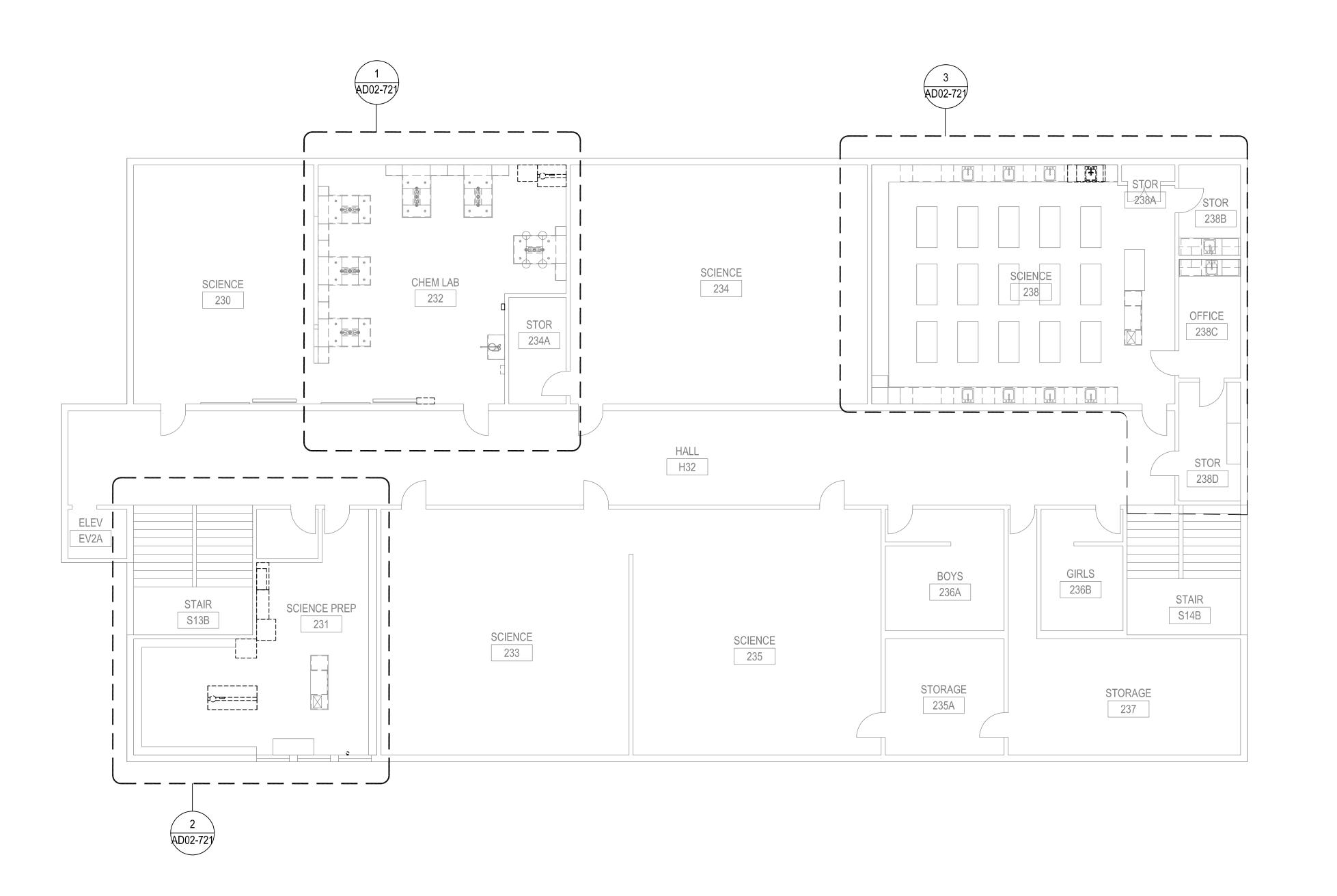






OVERALL 1ST FLOOR DEMO FLOORPLAN BUILDING 50-02

Building Permit #: Site Permit #: Owner's Project #: Architect's Project #: AD02-101





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NO ARCHITECTURAL WORK SCOPE AT BUILDING 05-01 FLOORS 2 & 3 EXCEPT FOR

MEP SCOPE. REFER TO MEP SHEETS FOR MORE INFORMATION.

BUILDING-02 IS LIMITED TO DEMOLITION/SALVAGE OF ITEMS TO BE PLACED IN BUILDING-01 FOR SCIENCE PROGRAM RELOCATION. CAP REMAINING UTILITY LINES AT BUILDIING #2 AFTER PLUMBING REMOVAL. NO NEW WORK SCOPE AT BUILDING 50-02 AT EITHER LEVEL.

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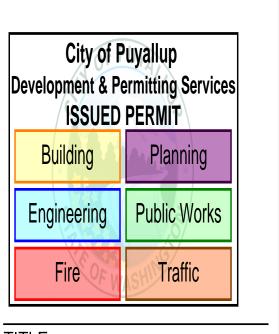
ARCHITECT

CONSULTANT

PRCTI20231574

CLIENT/OWNER

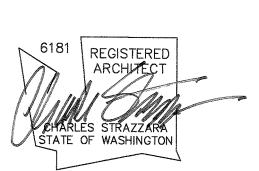




SCIENCE CLASSROOM & SCIENCE PREP **ROOM TI AT** PUYALLUP HIGH SCHOOL

> 105 7TH ST SW PUYALLUP, WA 98371

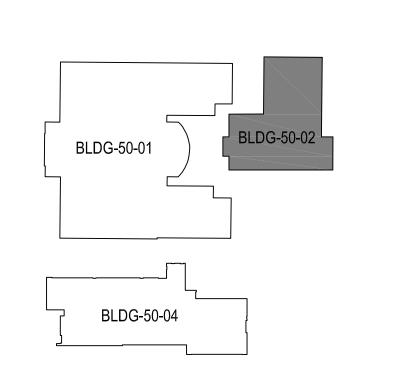
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DATE: ISSUED:

PERMIT SET OCT, 26 2023 PERMIT RESUBMITTAL SET JAN. 2, 2024

P13 P12 P11 P10 BLDG-05-05



P9 P8

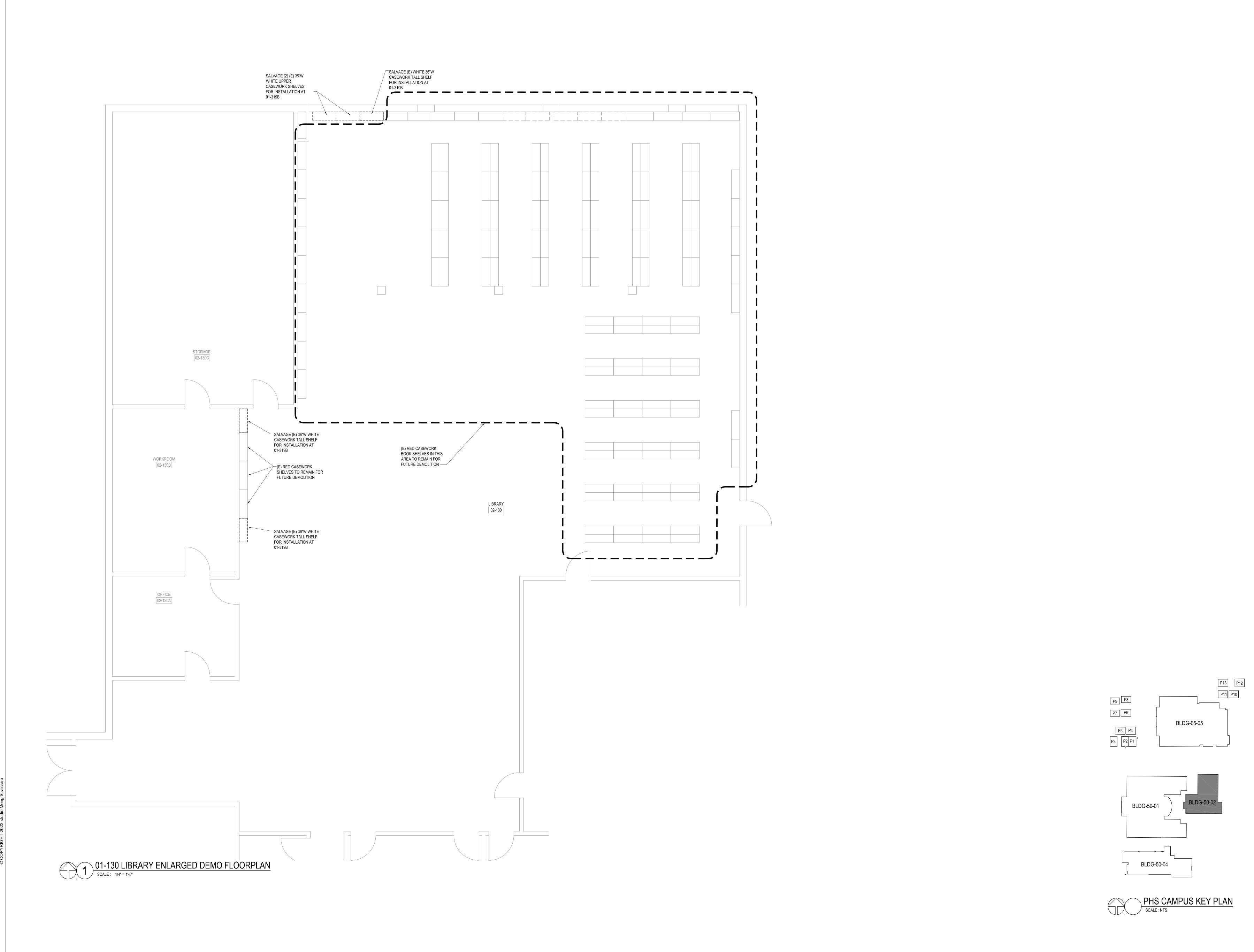
P7 P6

P5 P4 P3 P2 P1

PHS CAMPUS KEY PLAN
SCALE: NTS

OVERALL 2ND FLOOR DEMO FLOORPLAN **BUILDING 50-02**

Building Permit #: Site Permit #: Owner's Project #: Architect's Project #: AD02-102



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STRAZZARA

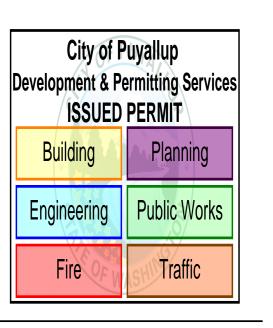
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www.studioms.com | P: 206.587.3797

CONSULTANT

PRCTI20231574

CLIENT/OWNER

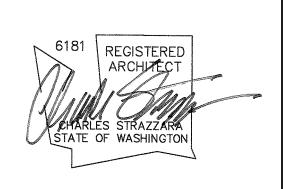




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INTERIOR DEMOLITION ELEVATIONS & PLANS

Building Permit #:

Site Permit #:

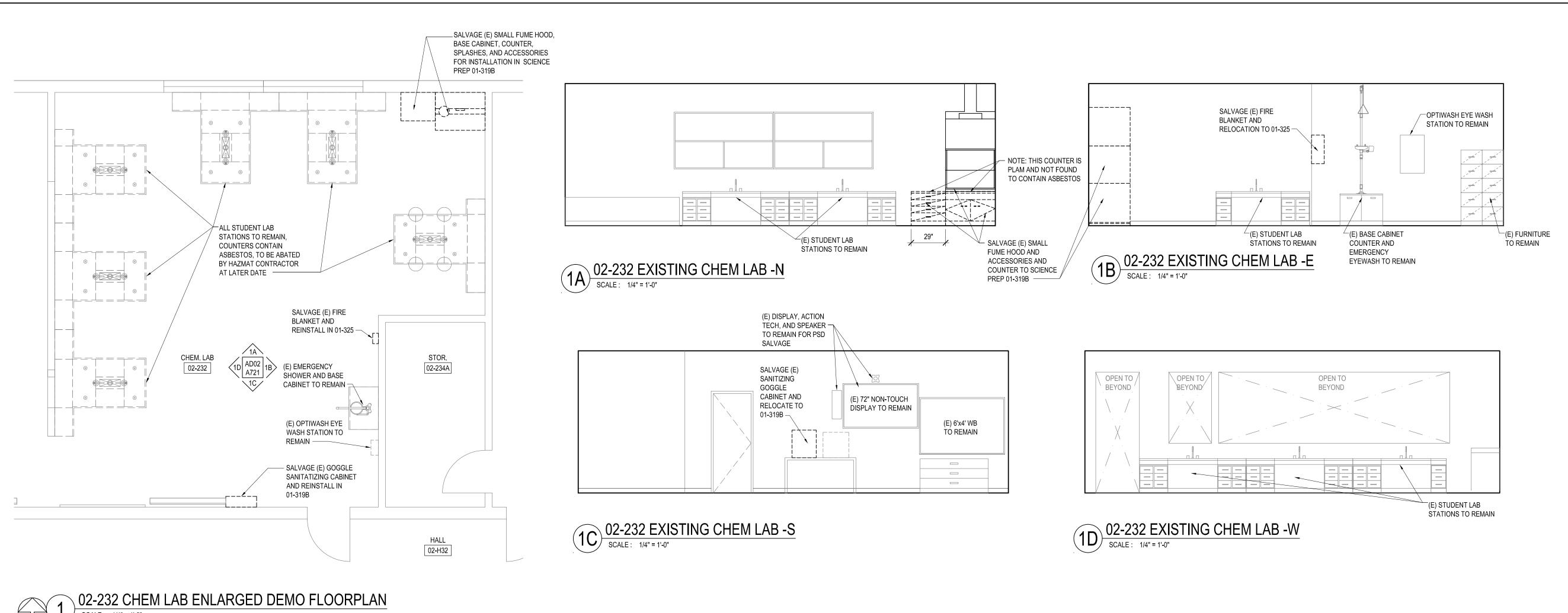
Owner's Project #:

Architect's Project #: 2023106

Drawn By RL/EMV

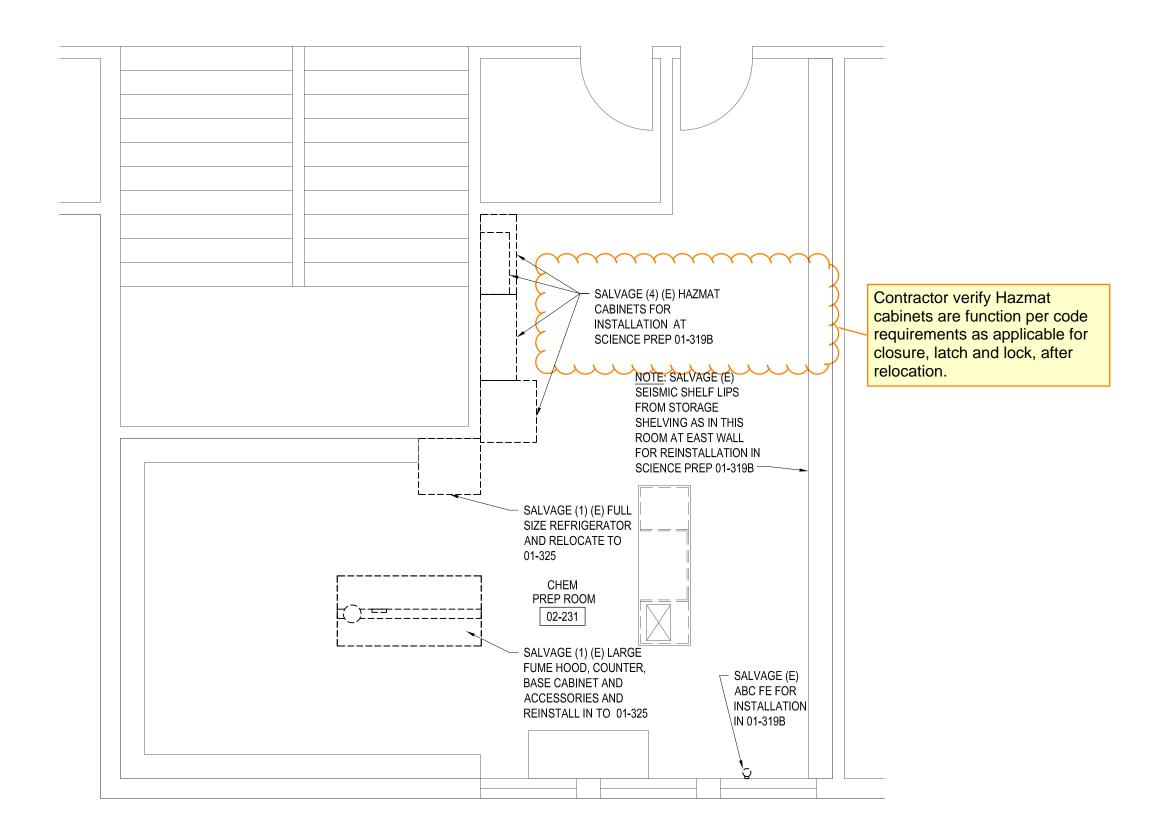
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AD02-711

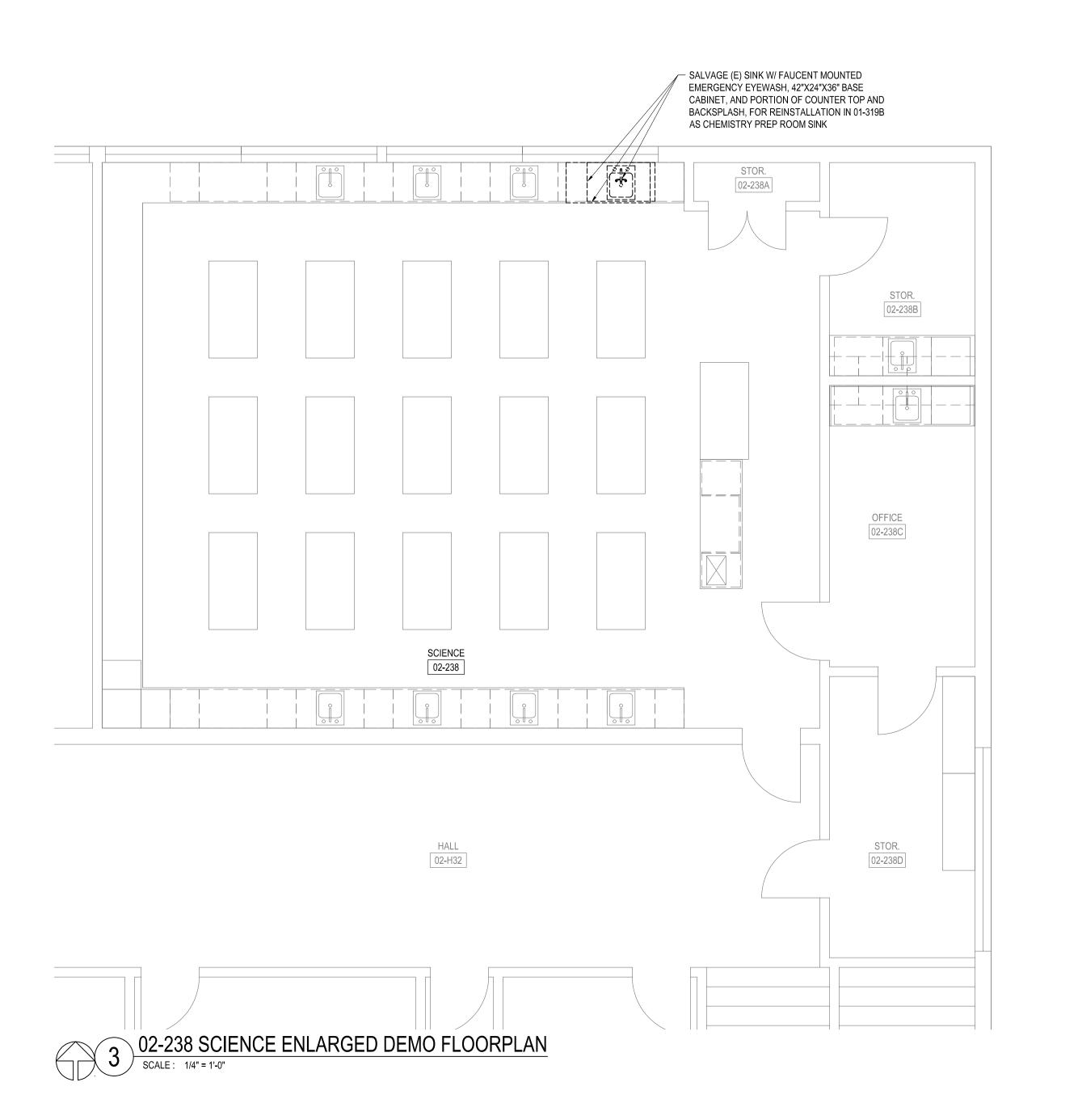


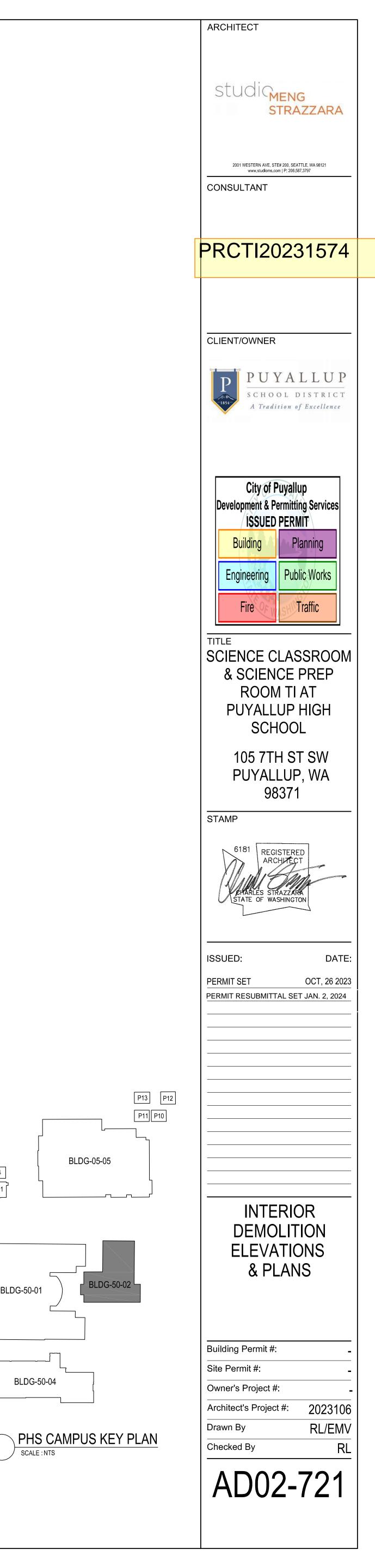
02-232 CHEM LAB ENLARGED DEMO FLOORPLAN

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



2 02-232 CHEM LAB ENLARGED DEMO FLOORPLAN
SCALE: 1/4" = 1'-0"





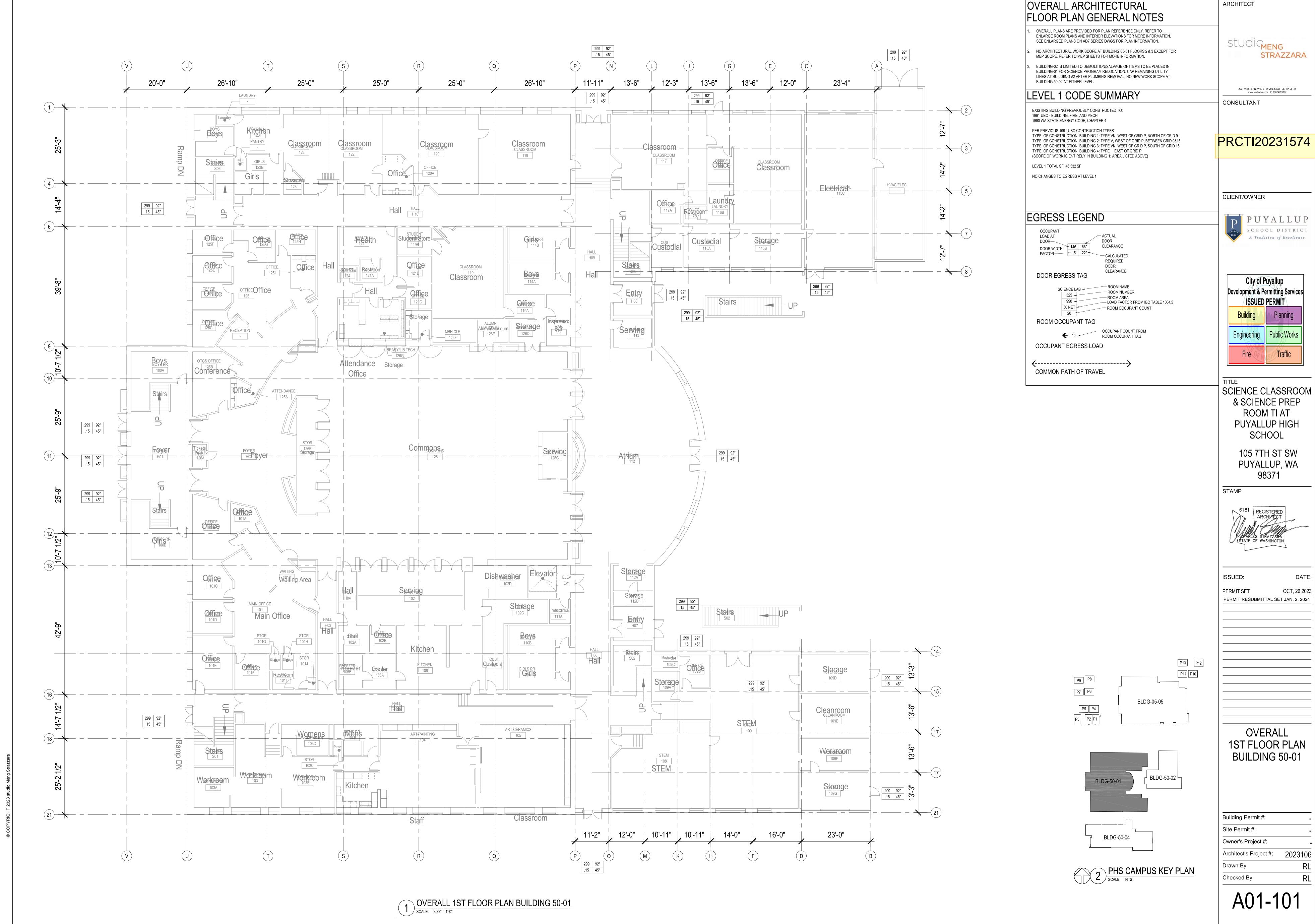
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P7 P6

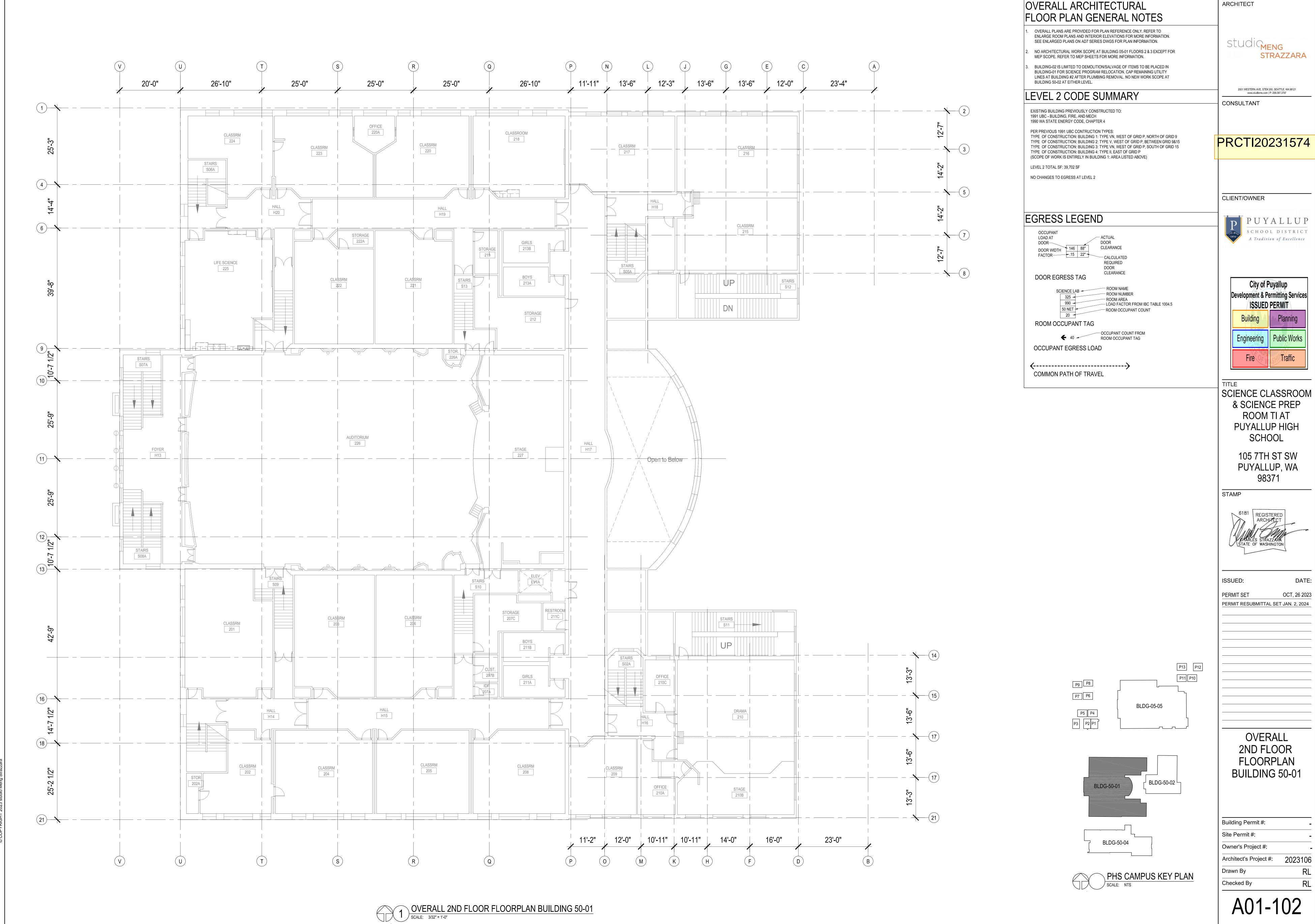
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BLDG-50-04

BLDG-05-05

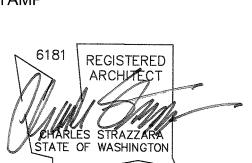


ARCHITECT

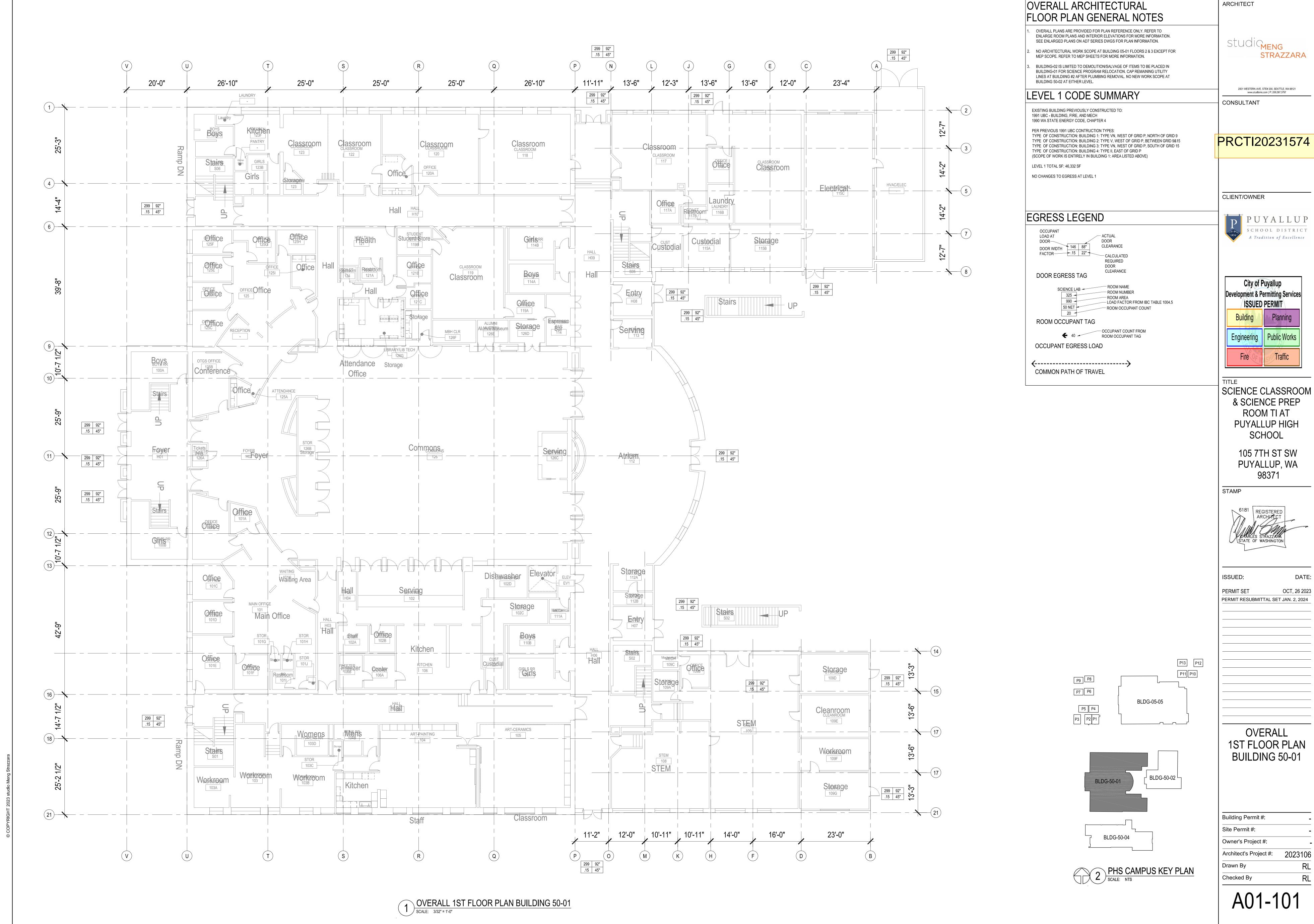


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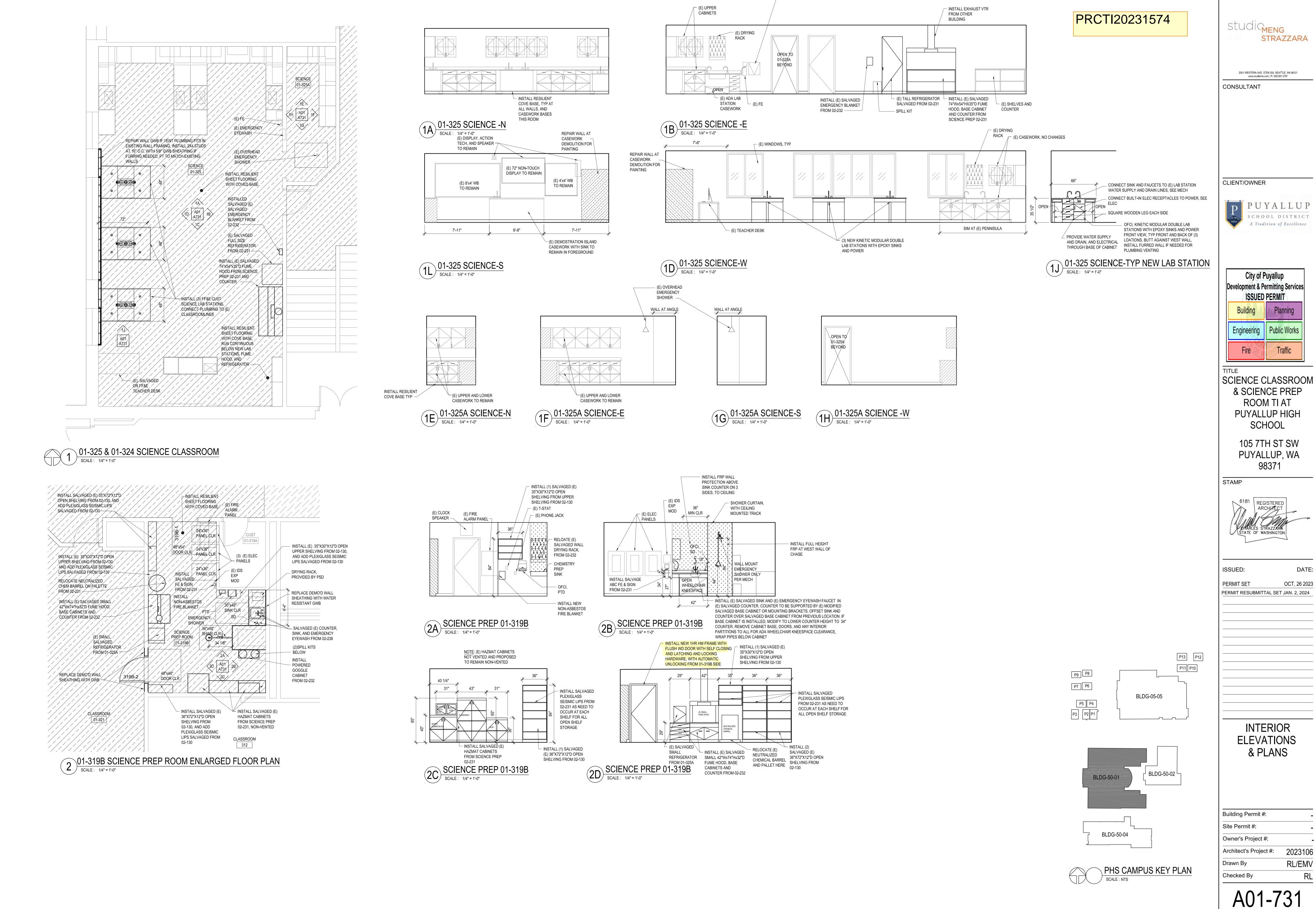
SCHOOL DISTRICT



DATE



ARCHITECT

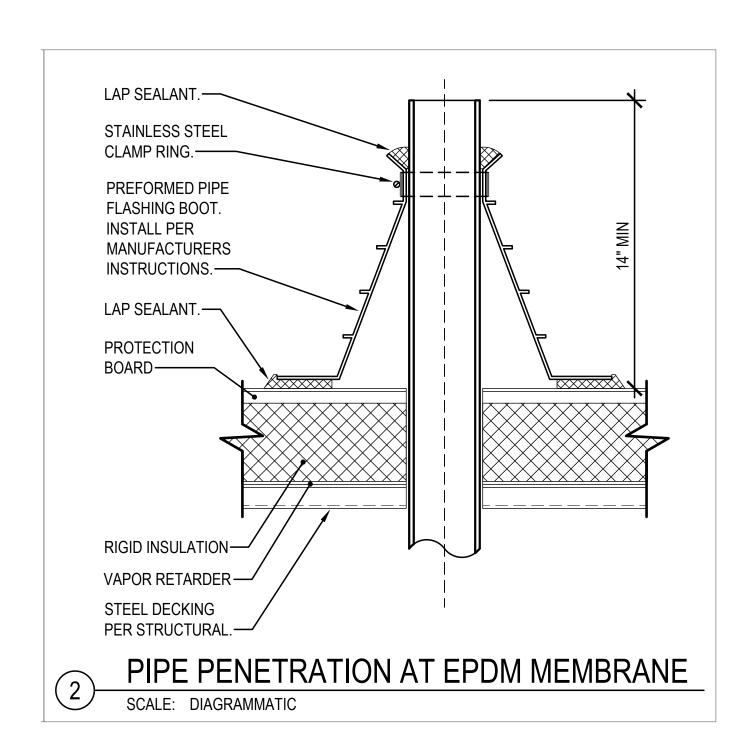


(E) RECESSED EYEWASH

ARCHITECT



PRCTI20231574



		HVAC	
44001	DECORIDATION		DECODIDATION
/MBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY DUCT UP		RECTANGULAR DUCT SQUARE ELBOW UP
$\overline{\mathbf{X}}$	SUPPLY DUCT DOWN		RECTANGULAR DUCT, RADIUS ELBOW UP
	RETURN, RELIEF, TRANSFER, OSA DUCT UP		RECTANGULAR DUCT, SQUARE ELBOW DOWN
	RETURN, RELIEF, TRANSFER, OSA DUCT DOWN		RECTANGULAR DUCT, RADIUS ELBOW DOWN
	EXHAUST DUCT UP	OL +	ROUND DUCT ELBOW UP
	EXHAUST DUCT DOWN	CL -	ROUND DUCT ELBOW DOWN
XØ	ROUND DUCT		FLEXIBLE DUCT
			BACKDRAFT DAMPER (BD)
	F	PLUMBING	
YMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AV ——	ACID VENT	55	DOMESTIC COLD WATER (CW)
AW —s	ACID WASTE	55	DOMESTIC HOT WATER (HW)
NP	NON POTABLE	5	DOMESTIC HOT WATER CIRCULATING (HWC)
	GATE VALVE (GV)	5	SOIL, WASTE (S, W)
	GLOBE VALVE	у — — -\$	VENT (V), OR HIDDEN BELOW WASTE
Ф	BUTTERFLY VALVE	0	WASTE OR VENT UP
	BALL VALVE	<u> </u>	WALL CLEANOUT
₩	BALANCING COCK (BC)	O—\$	FLUSH CLEANOUT (FCO/SCO)
C+\$	PIPE DOWN	II——	CLEAN OUT (CO)
015	PIPE UP	5	IN LINE WASTE CONNECTION
+Ů+	BRANCH-TOP CONNECTION	;	P-TRAP
121 3	BRANCH-BOTTOM CONNECTION	5 131 - 5	BRANCH PIPE DOWN
++ ,	BRANCH-SIDE CONNECTION	5 101 5	BRANCH PIPE UP
5	FLOW DIRECTION	5 1 0 1 5	TEE & UP
OR \$\frac{\frac}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fin}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fin}}}}}}{\frac{\fin}}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fin}}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fir}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fra	VALVE IN RISER / DROP	ς <u>Ι</u> ΤΙ <u>ς</u>	TEE
0	FLOOR DRAIN	고 · 노	ELBOWS, 90° & 45°
<u>۲</u>	CROSSING LINES, NON CONNECTING	E\$	CAP
	PIPE CONTINUATION	A	TRAP PRIMER
MC	MECHANICAL CONTRACTOR	POC	POINT OF CONNECTION
EC	ELECTRICAL CONTRACTOR	BFF	BELOW FINISHED FLOOR
GC	GENERAL CONTRACTOR	AFF	ABOVE FINISHED FLOOR

				PLUMBING FIXTURE SCHEDULE							
UNIT NO	FIXTURE	MOUNTING		MANUFACTURER AND MODEL NUMBERS	W	V	HW	CW	REMARKS		
			STATION/FAUCET/SINK:	SCHOOL OUTFITTERS KINETIC MODULAR DOUBLE LAB STATION W/ EPOXY SINK							
P-1	LAB STATION	FLOOR	SUPPLIES:	MCGUIRE LFBV2165CC	2"	1-1/2"	1/2"	1/0"	SET MAXIMUM HOT WATER DELIVERY TEMPERATURE AT 105°F. PROVIDE MIXING VALVE WITH MOUNTING BRACKET, BRADLEY MODEL S45-2456. SINK		
P-1	LAB STATION	FLOOR	TRAP:	ZURN Z9A-PPTRAP	(AW)	(AV)	1/2	1/2	AND FAUCET BY OTHERS. STOPS, TRAP, AND FITTINGS BY MC.		
			MIXING VALVE: BR	BRADLEY S59-4000							
			SINK:	FURNISHED BY OWNER (SALVAGED FROM SCIENCE 02-238)					ADA COMPLIANT, PROVIDE WITH PLUMBEREX P-TRAP AND 2 VALVE & SUPPLY		
			FAUCET & EMERGENCY EYE WASH COMBO:	SPEAKMAN SEF-1800-8					ADA COMPLIANT, PROVIDE WITH PLUMBEREX P-TRAP AND 2 VALVE & SUPPL ADA COVERS MODEL #X4333. LOCATE ACID TRAP IN ADJACENT CASEWORK MODULE FOR ADA FRONT APPROACH. EYE WASH ADD ONS: NON-AERATED		
P-2	EQUIPMENT CLEAN UP SINK	COUNTER	SUPPLIES:	MCGUIRE LFBV2165CC	2"	1-1/2"	1/2"	1/2"	EYEWASH OUTLETS, THERMOSTATIC MIXING VALVE FOR TEPID WATER. EYE WASH MIXING VALVE SET TO 85°F. FAUCET ADD ONS: THERMOSTATIC MIXIN		
			ACID NEUTRALIZATION:	ZURN Z9A-PHIX					VALVE FOR TEPID WATER. FAUCET MIXING VALVE SET TO 105°F.		
			MIXING VALVE:	BRADLEY S59-4000					COORDINATE NEW FAUCET WITH SALVAGED SINK.		
P-3	EMERGENCY SHOWER ADA	WALL	UNIT:	STINGRAY T3035	-	-	1-1/4"	1-1/4"	BARRIER-FREE, WITH INTEGRATED MIXING VALVE SET TO 85°F. EPOXY COATED PIPE. ABS SHOWERHEAD.		
FD	FLOOR DRAIN	FLOOR	UNIT:	JR SMITH 2005	*	*	-	-	*SEE PLANS FOR WASTE AND VENT CONNECTION SIZE		

				HEDULE				
LINIT NO	MANUEACTURER	MODEL	LOCATION	NUMBER OF TRADE CERVER	ELECTR	RICAL	DEMARKS	
UNIT NO	MANUFACTURER	MODEL	LOCATION	NUMBER OF TRAPS SERVED	VOLTS	PH	REMARKS	
TP-1	PRECISION PLUMBING PRODUCTS	MP-500-115V	STORAGE 01-319A	1	120	1	1	

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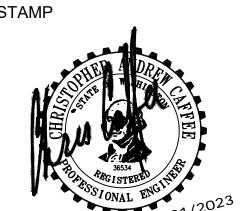
CLIENT/OWNER



City of Puyallup **Development & Permitting Services ISSUED PERMIT** Engineering

SCIENCE CLASSROOM & SCIENCE PREP **ROOM TI AT** PUYALLUP HIGH SCHOOL

> 105 7TH ST SW PUYALLUP, WA 98371



ISSUED: OCT, 26 2023 PERMIT SET PERMIT RESUBMITTAL SET JAN. 2, 2024

> MECHANICAL LEGEND, SCHEDULES AND DETAILS

Building Permit #: Site Permit #: Owner's Project #: 2023106 Architect's Project #: Drawn By Checked By

PRCTI20231574

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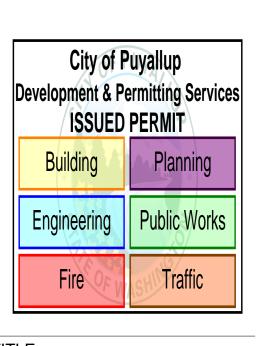
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PERMIT SET OCT, 26 2023
PERMIT RESUBMITTAL SET JAN. 2, 2024

OVERALL 3RD FLOOR MECH DEMO FLOOR PLAN BUILDING 50-01

Building Permit #:

Site Permit #:

Owner's Project #:

Architect's Project #:

Drawn By

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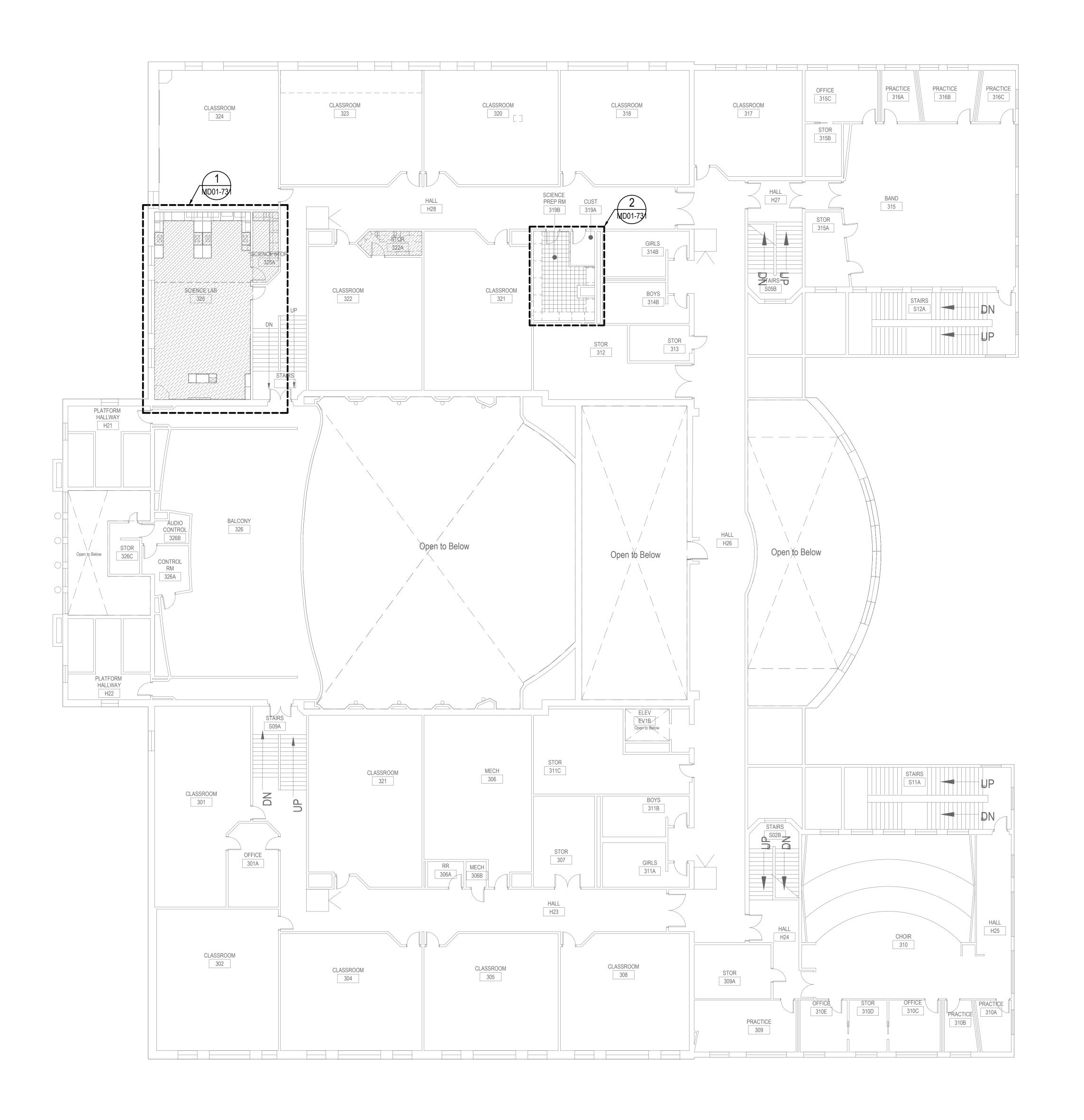
Checked By

JH

PHS CAMPUS KEY PLAN

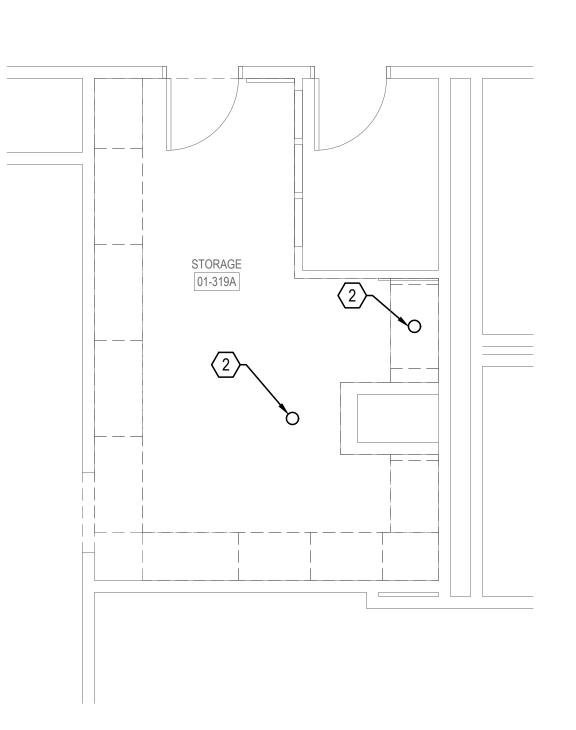
SCALE: NTS

MD01-103



01-325 & 01-325A SCIENCE CLASSROOM ENLARGED MECHANICAL DEMOLITION FLOOR PLAN

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



01-319A STORAGE ENLARGED MECHANICAL DEMOLITION FLOOR PLAN

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

- DRAWING IS DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY ALL PLUMBING EQUIPMENT LOCATIONS AND SIZES.
- ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN. COORDINATE FLOOR REPAIR WITH GC.



PRCTI20231574

DEMOLITION NOTES

- SINK TO BE MAINTAINED. SHOWN FOR REFERENCE.
- 6" Ø MAXIMUM CORE DRILL THROUGH FLOOR FOR INSTALLATION OF NEW PIPING. VERIFY FINAL LOCATION TO AVOID STRUCTURAL MEMBERS.

GENERAL NOTES

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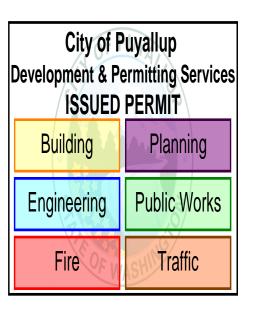
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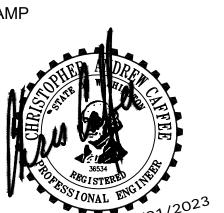
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TITLE SCIENCE CLASSROOM & SCIENCE PREP **ROOM TI AT** PUYALLUP HIGH SCHOOL

> 105 7TH ST SW PUYALLUP, WA 98371



PERMIT RESUBMITTAL SET JAN. 2, 2024

ENLARGED MECHANICAL DEMOLITION PLANS **BUILDING 50-01**

Building Permit #: Site Permit #: Owner's Project #: Architect's Project #: 2023106

MD01-731

1. THIS SHEET INCLUDED FOR REFERENCE ONLY.

ARCHITECT

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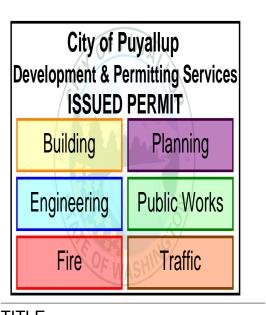
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PHS CAMPUS KEY PLAN

SCALE: NTS



ISSUED: DATE
PERMIT SET OCT. 26 2023

PERMIT SET OCT, 26 2023
PERMIT RESUBMITTAL SET JAN. 2, 2024

OVERALL 3RD FLOOR MECH FLOOR PLAN

BUILDING 50-01

Building Permit #:

Site Permit #:

Owner's Project #:

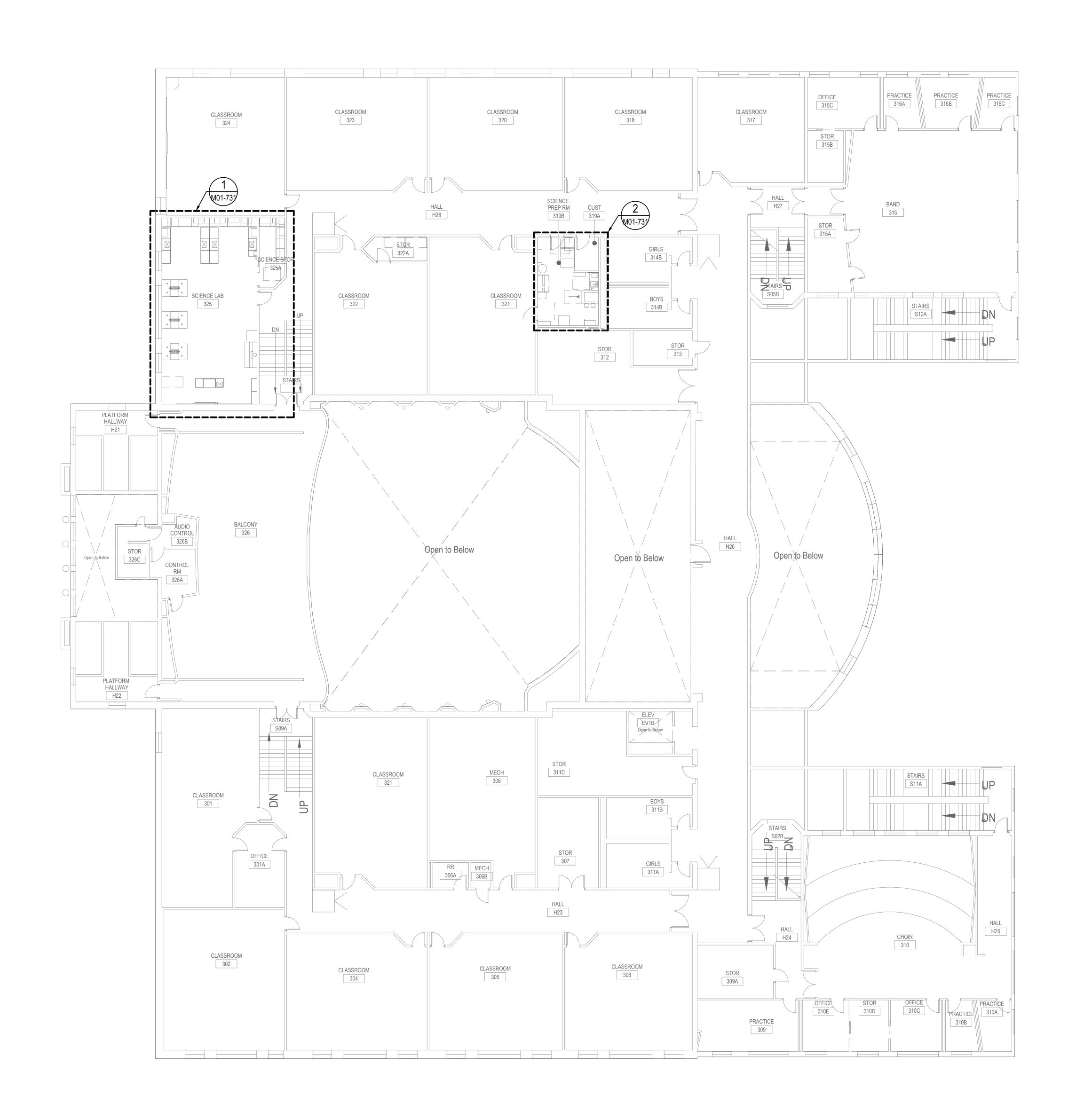
Architect's Project #:

Drawn By

The Checked By

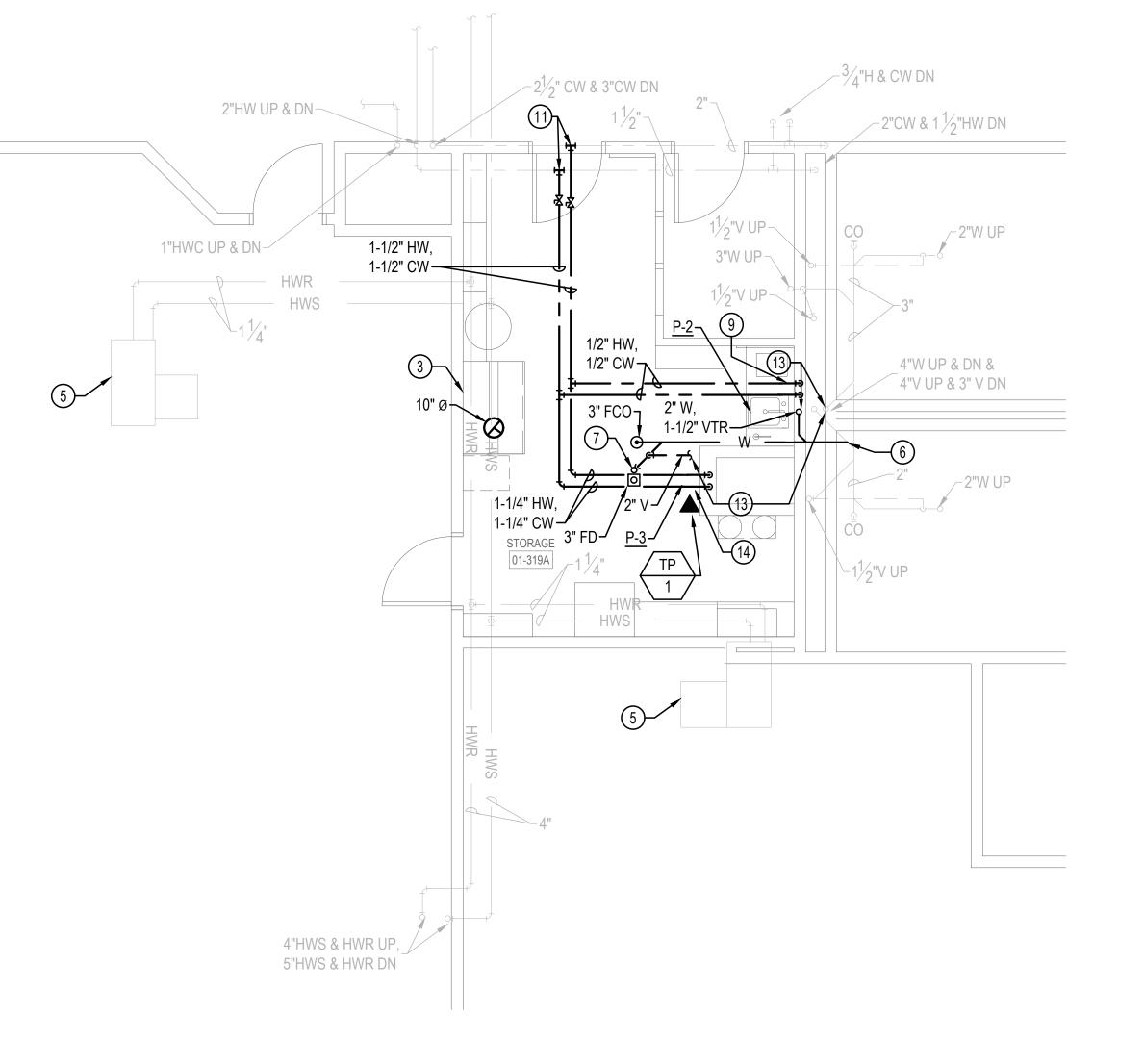
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01-325 & 01-325A SCIENCE CLASSROOM ENLARGED MECHANICAL FLOOR PLAN

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



- 01-319A STORAGE ENLARGED MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- DUCTWORK MAY BE SHOWN OFFSET FOR CLARITY. PROVIDE ADDITIONAL OFFSETS AS REQUIRED TO FACILITATE INSALLATION.
- DUCT SIZE REPRESENTS INNER DIMENSIONS OF THE DUCT. ITEMS IN LIGHT ARE EXISTING ON THE FLOOR BELOW
- UNLESS OTHERWISE NOTED.
- ITEMS IN LIGHT ARE SHOWN FOR REFERENCE ONLY.

PIPE SIZES SHOWN ON EXISTING PIPING ARE FOR REFERENCE ONLY.

CONSTRUCTION NOTES

- 1 SALVAGED FUME HOOD FROM SCIENCE PREP 02-130. PROVIDE NEW EXHAUST DUCTWORK UP TO GOOSENECK WITH BIRDSCREEN ON ROOF. CONTRACTOR SHALL FIELD VERIFY EXHAUST IS A MINIMUM 10' AWAY FROM ANY INTAKE PRIOR TO INSTALLATION. DUCTWORK TO BE WELDED STAINLESS. FOR REFERENCE, THERE WILL BE NO WATER CONNECTION AT NEW LOCATION.
- OFFSET EXISTING ACID VENT TO ALLOW FOR NEW 12" Ø DUCT PENETRATION.
- 3 SALVAGED FUME HOOD FROM 02-232. PROVIDE NEW EXHAUST DUCTWORK UP TO GOOSENECK WITH BIRDSCREEN ON ROOF. CONTRACTOR SHALL FIELD VERIFY EXHAUST IS A MINIMUM 10' AWAY FROM ANY INTAKE PRIOR TO INSTALLATION. DUCTWORK TO BE WELDED STAINLESS STEEL.
- ROUTE 2" V IN FURRED WALL AND UP TO CEILING SPACE. COORDINATE WITH WINDOW.
- 5 EXISTING EQUIPMENT ON FLOOR BELOW. SHOWN FOR REFERENCE ONLY.
- 6 POINT OF CONNECTION TO EXISTING PIPING IN SECOND FLOOR CEILING SPACE.
- 7 P-TRAP SHOWN OFFSET FOR CLARITY.
- 8 EXISTING ACID VENT ROUTES OVERHEAD ON THIRD FLOOR.
- 9 PIPES ARE SHOWN OFFSET FOR CLARITY. ROUTE INSIDE
- ROUTE NEW ACID WASTE TIGHT TO THE EXTERIOR WALL. COORDINATE WITH OBSTRUCTIONS ABOVE THE CEILING IN FLOOR BELOW. SHOWN OFFSET FOR CLARITY.
- POINT OF CONNECTION BETWEEN NEW AND EXISTING IN THIRD FLOOR CEILING SPACE.
- (12) ROUTE PIPING UP WITHIN CASEWORK CHASE TO PLUMBING CONNECTIONS.
- (13) CONNECT VENT PIPING FROM NEW P-2 FIXURE AND 3" FD TO EXISTING 4" V AS NOTED.

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PIPES ARE SHOWN OFFSET FOR CLARITY. ROUTE INSIDE NEW

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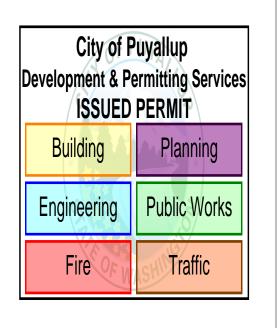
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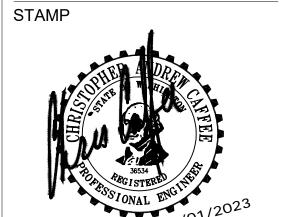


TITLE SCIENCE CLASSROOM & SCIENCE PREP **ROOM TI AT**

> SCHOOL 105 7TH ST SW

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ISSUED:

PERMIT SET OCT, 26 2023 PERMIT RESUBMITTAL SET JAN. 2, 2024

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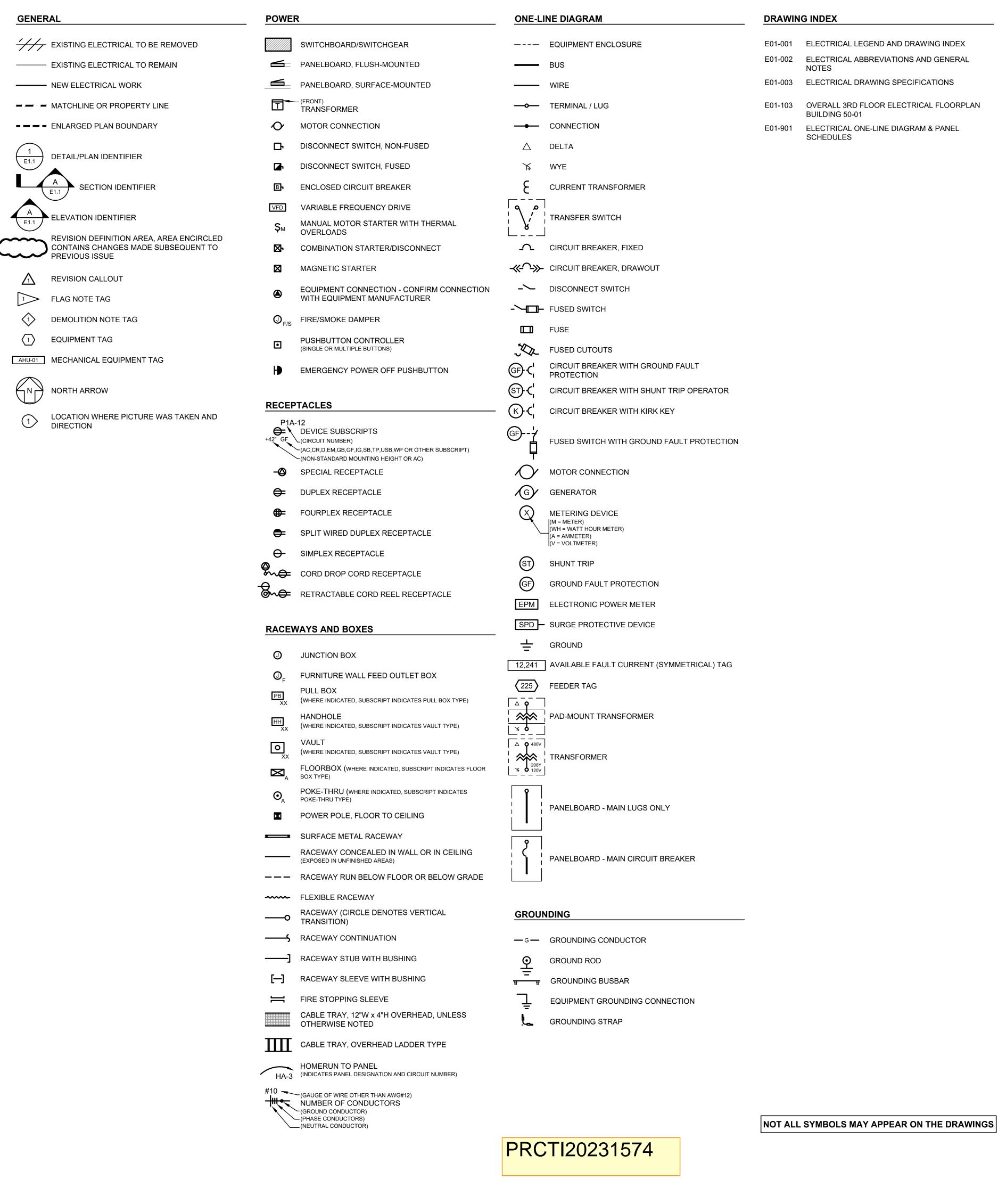
MECHANICAL PLANS

BUILDING 50-01

Building Permit #:

Site Permit #: Owner's Project #: 2023106 Architect's Project #: Checked By

M01-731



& Industries.

Separate electrical permit is required with Washington State Department of Labor

https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections or Licensing information: Call 1-800-647-0982

ARCHITECT

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ISSUED: DATE:

PERMIT SET OCT, 26 2023

PERMIT RESUBMITTAL SET JAN. 2, 2024

ELECTRICAL LEGEND AND DRAWING INDEX

Building Permit #:

Site Permit #:

Owner's Project #:

Architect's Project #:

Drawn By

TSV

Checked By

BMI

E01-001

GENERAL NOTES

- PERFORM WORK IN ACCORDANCE WITH APPLICABLE NATIONAL AND STATE CODES AS AMENDED LOCALLY AND ENFORCED BY THE AHJ.
- 2. OBTAIN AND PAY FOR PERMITS REQUIRED FOR INSTALLATION OF WORK. ARRANGE AND SCHEDULE REQUIRED INSPECTIONS.
- 3. COORDINATE WITH UTILITY COMPANIES FURNISHING SERVICES TO PROJECT. INSTALLATION OF UTILITY SERVICES SHALL BE IN ACCORDANCE WITH UTILITY REQUIREMENTS. VERIFY APPLICABLE INSTALLATION STANDARDS AND REQUIREMENTS. PROVIDE AND SUBMIT ELECTRICAL DRAWINGS TO UTILITY FOR APPROVAL PRIOR TO ROUGH-IN AND PRIOR TO ORDERING EQUIPMENT.
- 4. DEVICE LOCATIONS ARE APPROXIMATE. COORDINATE DEVICE LOCATIONS AND ELEVATIONS WITH APPROPRIATE DOCUMENTS INCLUDING CASEWORK SHOP DRAWINGS AND ARCHITECT'S INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
- 5. COORDINATE ELECTRICAL WORK WITH THAT OF OTHER TRADES. REFER TO MECHANICAL, ARCHITECTURAL, STRUCTURAL, CIVIL, AND LANDSCAPE DRAWINGS AND SPECIFICATIONS. COORDINATION SHALL OCCUR PRIOR TO FABRICATION, PURCHASE, AND INSTALLATION OF WORK
- 6. COORDINATE LOCATION OF LIGHT FIXTURES AND CEILING-MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS.
- 7. PROVIDE RATED ENCLOSURES AROUND ALL LIGHT FIXTURES PENETRATING RATED CEILINGS. COORDINATE WITH ARCHITECTURAL.
- 8. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION/SEISMIC JOINTS. PROVIDE RACEWAY EXPANSION/SEISMIC JOINTS FOR RACEWAYS CROSSING BUILDING EXPANSION/SEISMIC JOINTS.
- 9. DEMOLISH EXISTING SYSTEMS AS INDICATED ON PLANS OR AS REQUIRED FOR INSTALLATION OF NEW WORK. MATERIAL SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF OFF SITE UNLESS OTHERWISE DIRECTED. RETURN ITEMS TO OWNER IN EXISTING CONDITION WHEN DIRECTED BY OWNER.
- 10. COMPLETION OF WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE PROJECT SCHEDULE. SCHEDULE INSTALLATION WITH OTHER TRADES TO ENSURE PROJECT MILESTONES ARE MET.
- 11. DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL COMPONENTS REQUIRED FOR A COMPLETE INSTALLATION. PROVIDE COMPONENTS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEMS INCLUDING RACEWAYS, CONDUCTORS, BOXES, SUPPORTS AND SIMILAR ITEMS.
- 12. BRANCH CIRCUIT HOMERUNS ARE SHOWN TO INDICATE CIRCUIT PROPERTIES AND CONFIGURATION. SINGLE-CIRCUIT HOMERUNS SERVED FROM THE SAME PANELBOARD MAY BE COMBINED IN ACCORDANCE WITH THE DIVISION 26 SPECIFICATIONS, UNLESS INDICATED OTHERWISE. EXTEND AND CONNECT BRANCH CIRCUIT RACEWAY AND WIRING FROM HOMERUN TO DEVICES AND EQUIPMENT WITH CIRCUIT NUMBERS INDICATED. CONDUCTOR QUANTITIES AND SIZES ARE INDICATED AT HOMERUNS ONLY. SHOW ACTUAL RACEWAY ROUTING AND CIRCUITING ON RECORD DRAWINGS. MINIMUM CONDUCTOR SIZE #12 AWG.
- 13. LIGHT FIXTURES MOUNTED IN CONTINUOUS ROWS SHALL BE THROUGH-WIRED VIA FIXTURE INTERNAL WIREWAYS. CIRCUITS AS INDICATED ON DRAWINGS. FIXTURES NOT LISTED FOR THROUGH WIRING SHALL BE WIRED VIA SEPARATE RACEWAY AND WIRING SYSTEM EXTERNAL TO THE FIXTURES. PROVIDE RACEWAYS, WIRING AND CONNECTIONS FOR A COMPLETE AND OPERATIONAL SYSTEM.
- 14. LOCATIONS OF RACEWAY, PATHWAY AND SIMILAR ITEMS ARE SHOWN SCHEMATICALLY. COORDINATE INSTALLATION, INCLUDING BUT NOT LIMITED TO CABLING, TELECOMMUNICATION PATHWAYS AND SPACES, AND EXACT LOCATION OF HORIZONTAL AND BACKBONE CABLING WITH LOCATIONS OF FIXED CASEWORK AND BUILDING CONDITIONS AFFECTING THE WORK OF THIS CONTRACT.

NON-STRUCTURAL ELECTRICAL NOTES

- 1. THE FOLLOWING ITEMS ARE TAKEN DIRECTLY FROM THE 2018 INTERNATIONAL BUILDING CODE AND FROM THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) STANDARD 7. THE CONTRACTOR SHALL REFER TO THE ABOVE FOR ADDITIONAL INFORMATION, EXCEPTIONS, AND FURTHER DESCRIPTIONS. THE CONTRACTOR SHALL ADHERE TO REQUIREMENTS AND AS SUCH, SHALL BE INCLUDED WITHIN BID. ALSO REFER TO SPECIFICATIONS.
- 2. 2018 IBC, 1613.1, SCOPE: ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND NON-STRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH CHAPTERS 11, 12, 13, 15, 17 AND 18 OF ASCE 7.
- 3. ASCE 7 CONTRACTOR RESPONSIBILITY:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE
 CONSTRUCTION OF A SEISMIC-FORCE-RESISTING
 SYSTEM, DESIGNATED SEISMIC SYSTEM, OR
 COMPONENT LISTED IN THE QUALITY ASSURANCE PLAN
 SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT
 OF RESPONSIBILITY TO THE REGULATORY AUTHORITY
 HAVING JURISDICTION AND TO THE OWNER PRIOR TO
 THE COMMENCEMENT OF WORK ON THE SYSTEM OR
 COMPONENT. THE CONTRACTOR'S STATEMENT OF
 RESPONSIBILITY SHALL INCLUDE THE FOLLOWING:
- A. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE
- QUALITY ASSURANCE PLAN;

 B. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE AUTHORITY HAVING JURISDICTION;

 C. PROCEDURES FOR EXERCISING CONTROL
- METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS; AND D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND

THEIR POSITION(S) IN THE ORGANIZATION.

WITHIN THE CONTRACTOR'S ORGANIZATION, THE

- 4. DIVISION 26 RESPONSIBILITIES:
 - A. HANGERS AND SEISMIC BRACING FOR ELECTRICAL SYSTEMS SHALL BE DESIGNED AND SPECIFIED BY DIVISION 26. DIVISION 26 SHALL REFER TO THE ELECTRICAL DRAWINGS FOR LOCATIONS OF EQUIPMENT AND ELECTRICAL SYSTEMS AS STRUCTURAL DRAWINGS DO NOT SHOW THE LOCATIONS OF ELECTRICAL EQUIPMENT, RACEWAYS, AND OTHER COMPONENTS.
 - B. DIVISION 26 SHALL COORDINATE THE SUPPORT SYSTEMS AND DESIGN LOADS FOR HUNG RACEWAYS AND OTHER ELECTRICAL SYSTEMS (INCLUDING COMBINED MULTIPLE RACEWAY RUNS) WITH THE GENERAL CONTRACTOR AND THE STEEL AND WOOD JOIST MANUFACTURERS IN ADDITION TO OTHER TRADES THAT MAY BE IMPACTED.

ENERGY CODE NOTES

- 1. RECORD DRAWINGS: SUBMIT TO THE BUILDING OWNER PER ENERGY CODE ENFORCED BY THE LOCAL AHJ.
- 2. OPERATION AND MAINTENANCE MANUALS: SUBMIT TO THE BUILDING OWNER PER ENERGY CODE ENFORCED BY THE LOCAL AHJ.
- 3. THIS BUILDING AND ITS ENERGY SYSTEMS HAVE BEEN DESIGNED TO COMPLY WITH ENERGY CODE ENFORCED BY THE LOCAL AHJ. CONTRACTOR IS RESPONSIBLE FOR CORRECT INSTALLATION OF ENERGY CONSERVATION MEASURES.
- 4. LIGHTING CONTROL SYSTEMS COMMISSIONING AND COMPLETION REQUIREMENTS: TEST SYSTEMS TO ENSURE THAT BUILDING SYSTEMS HAVE BEEN INSTALLED AND FUNCTION PROPERLY AND EFFICIENTLY, AND CAN BE MAINTAINED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND OPERATIONAL REQUIREMENTS PER ENERGY CODE ENFORCED BY THE AHJ. REFER TO SPECIFICATIONS FOR ADDITIONAL COMMISSIONING REQUIREMENTS.

ABBREVIATIONS

4 AC	AMPERE AIR CONDITIONING; ALTERNATING CURRENT;	M MAN	METER METROPOLITAN AREA NETWORK
	ABOVE COUNTER	MAX	MAXIMUM
AF AFC	AMP FUSE; AMP FRAME AVAILABLE FAULT CURRENT	MC MCB	MAIN CROSS CONNECT; METAL CLAD (CABLE) MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
AG	ABOVE GRADE	MDF	MAIN DISTRIBUTION FRAME
AHJ AHU	AUTHORITIES HAVING JURISDICTION AIR HANDLING UNIT	MDP	MANUEACTURER
AIC	AMPERE INTERRUPTING CURRENT	MFR MH	MANUFACTURER MANHOLE
٩L	ALUMINUM	MIN	MINIMUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MLO	MAIN LUGS ONLY
AS AT	AMP SWITCH AMP TRIP	MM	MULTIMODE
ATM	ASYNCHRONOUS TRANSFER MODE	MPOE MPOP	MAIN POINT OF ENTRY MAIN POINT OF PRESENCE
ATS	AUTOMATIC TRANSFER SWITCH	MTD	MOUNTED
AV	AUDIO VISUAL	MTS	MANUAL TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE	/NI)	NEW
BAS	BUILDING AUTOMATION SYSTEM	(N) N	NEW NEUTRAL
BATT	BATTERIES	NAC	NOTIFICATION APPLIANCE CIRCUIT
BIL BKBD	BASIC IMPULSE INSULATION LEVEL BACKBOARD	NEC	NATIONAL ELECTRICAL CODE
KR KR	BREAKER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
LDG	BUILDING	NF	NON-FUSED
	CONDUIT: DECDEES CEI SILIS	NIC	NOT IN CONTRACT
; ;AB	CONDUIT; DEGREES CELSIUS CABINET	NL	NIGHT LIGHT
AT	CATEGORY	OFC	OPTICAL FIBER CABLE
ATV	COMMUNITY ANTENNA TELEVISION	OHL	OVERHEAD LINE
B CTV	CIRCUIT BREAKER	OL OC	OVERLOAD
CTV LG	CLOSED CIRCUIT TELEVISION CEILING	OS OSP	OCCUPANCY SENSOR OUTSIDE PLANT
SM	CEILING-MOUNTED	J J1	
O	CONDUIT ONLY	Р	POLE
OW	COMPUTER ON WHEELS	PBX DE	PRIVATE BRANCH EXCHANGE
R T	CONTROLLED RECEPTACLE CURRENT TRANSFORMER	PF PH	POWER FACTOR PHASE
U	COPPER	PIR	PASSIVE INFRARED
		PIV	POST INDICATING VALVE
DC	DEDICATED DIRECT DIGITAL CONTROL	PNL	PANEL PANEL
DC EMARC	DIRECT DIGITAL CONTROL DEMARCATION POINT	PP PT	PATCH PANEL POTENTIAL TRANSFORMER
ISC	DISCONNECT	PVC	POLYVINYL CHLORIDE
IST	DISTRIBUTION		
SL	DIGITAL SUBSCRIBER LINE	RC	ROOM CONTROLLER
WG	DRAWING	RCP REC	REFLECTED CEILING PLAN RECEPTACLE
≣)	EXISTING	REF	REFER TO
A	EACH	REV	REVISION
:F	EXHAUST FAN	RM	ROOM REINFORCED THERMORESETTING RESIN
IA LEV	ELECTRONIC INDUSTRIES ASSOCIATION ELEVATION	RTRC	CONDUIT
EM	EMERGENCY	RU	RACK UNIT
EMT	ELECTRICAL METALLIC TUBING	SB	STANDBY
NCL	ENCLOSURE	SHT	SHEET
PM	ELECTRONIC POWER METER	SLC	SIGNALING LINE CIRCUIT
:PO :QUIP	EMERGENCY POWER OFF EQUIPMENT	SM	SINGLEMODE
TR	EXISTING TO REMAIN	SMFC	SURFACE-MOUNTED OPTICAL FIBER CABINET
EWC	ELECTRIC WATER COOLER	SMR SONET	SURFACE METAL RACEWAY SYNCHRONOUS OPTICAL NETWORK
<u>:</u>	FUSE; DEGREES FAHRENHEIT	SP	SERVICE PROVIDER
- -A	FIRE ALARM	SPD	SURGE PROTECTIVE DEVICE
AAP	FIRE ALARM ANNUNCIATOR PANEL	SPEC	SPECIFICATIONS
ACP	FIRE ALARM CONTROL PANEL	SPST ST	SINGLE POLE SINGLE THROW SHUNT TRIP
BO	FURNISHED BY OWNER	STP	SHIELDED TWISTED PAIR
C	FOOT-CANDLE FURNISHED BY OWNER INSTALLED BY	SVGA	SUPER VIDEO GRAPHICS ARRAY
OIC	CONTRACTOR	SW	SWITCH
OIO	FURNISHED BY OWNER INSTALLED BY OWNER	SWBD	SWITCHBOARD
SD	FIRE SMOKE DAMPER	TBB	TELECOMMUNICATIONS BONDING BACKBONE
}	GROUND	TEL	TELEPHONE
BB	GROUND FAULT CIRCUIT BREAKER	TELCO	TELEPHONE COMPANY
F	GROUND FAULT CIRCUIT INTERRUPTER	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
SFP SND	GROUND FAULT PROTECTION	TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATI TELECOMMUNICATIONS MAIN GROUNDING
SND SRS	GROUND GALVANIZED RIGID STEEL	TMGB	BUSBAR
		TP	TAMPERPROOF
IC	HORIZONTAL CROSS CONNECT	TR TTB	TELECOMMUNICATIONS ROOM TELEPHONE TERMINAL BOARD
IID IP	HIGH INTENSITY DISCHARGE HORSEPOWER	TV	TELEVISION
IP ITR	HEATER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
lz	HERTZ	TYP	TYPICAL
20	INTERNATIONAL BUILDING CO.	UG	UNDERGROUND
BC C	INTERNATIONAL BUILDING CODE INTERMEDIATE CROSS CONNECT	UL	UNDERWRITERS LABORATORIES
) DF	INTERMEDIATE CROSS CONNECT INTERMEDIATE DISTRIBUTION FRAME	UON	UNLESS OTHERWISE NOTED
EEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC	UPS	UNINTERRUPTIBLE POWER SUPPLY
-LL 3	ENGINEERS ISOLATED GROUND	USB UTP	UNIVERSAL SERIAL BUS UNSHIELDED TWISTED PAIR
J MC	INTERMEDIATE METALLIC CONDUIT	UV	UNIT VENTILATOR
SDN	INTEGRATED SERVICES DIGITAL NETWORK		VOLTO
	HINCTION	V VA	VOLTS VOLT AMPERES
	JUNCTION	VA VFD	VARIABLE FREQUENCY DRIVE
	KIRK KEY		
CMIL	THOUSAND CIRCULAR MILS	W	WATT; WIRE
VA WAD	KILOVOLT AMPERE PEACTIVE	W/	WITHOUT
(VAR W	KILOVOLT AMPERE REACTIVE KILOWATT	W/O WA	WITHOUT WORKSTATION AREA
		WAN	WIDE AREA NETWORK
	LOCAL AREA NETWORK	WG	WIRE GUARD
	LIGHTING CONTROL PANEL LOCAL EXCHANGE CARRIER	WH	WATT HOUR METER
CP		WP	WEATHERPROOF
.CP .EC	LIGHT		
.CP .EC .T		XFMR	TRANSFORMER
AN .CP EC .T .TG	LIGHT LIGHTING		
.CP .EC .T	LIGHT	XFMR Y	TRANSFORMER WYE

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STAMP



ISSUED: DATE:

PERMIT SET OCT, 26 2023
PERMIT RESUBMITTAL SET JAN. 2, 2024

ELECTRICAL
ABBREVIATIONS
AND
GENERAL NOTES

Building Permit #:

Site Permit #:

Owner's Project #:

Architect's Project #:

Drawn By

TSV

Checked By

BMI

E01-002

A. GENERAL REQUIREMENTS

- PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE COMPLETE ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS. PROVIDE ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE OWNER. CLOSELY COORDINATE THE ENTIRE INSTALLATION WITH OWNER. FURNISH AND INSTALL EQUIPMENT THAT IS RATED FOR AVAILABLE FAULT CURRENT LEVELS.
- UNLESS SPECIFICALLY NOTED OTHERWISE, MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW, UNDERWRITERS LABORATORIES LISTED AND LABELED AND SIZED IN CONFORMITY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, WHICHEVER IS MORE STRINGENT.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE PROVIDED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK OR WHICH IS USUALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE PROVIDED AS PART OF CONTRACT.
- WHERE THE DRAWINGS OR SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODES OR THE OWNER'S REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS AS DESIGNED AND DESCRIBED ON THESE DRAWINGS, UNLESS NOTED OTHERWISE.
- ALL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT SERVICE ACCESS TO ALL EQUIPMENT.
- PROVIDE ALL CUTTING, CHASING, OR CHANNELING AND PATCHING REQUIRED FOR ANY WORK UNDER THIS DIVISION. CUTTING SHALL HAVE PRIOR APPROVAL BY OWNER. PATCHING IS TO MATCH SURROUNDING SURFACES.
- PROVIDE DEMOLITION OF ALL EQUIPMENT AND DEVICES NOT SCHEDULED FOR REVISE. REMOVE WIRING BACK TO POINT OF SUPPLY.
- MAKE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.

B. TEMPORARY LIGHT AND POWER

1. NOT REQUIRED.

C. CODES

ALL WORK SHALL BE PERFORMED IN A NEAT AND PROFESSIONAL MANNER AND CONFORM TO THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, OWNER'S REQUIREMENTS, THE STATE'S, COUNTY'S, CITY'S AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, ENERGY CODES, AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS ISSUED, NO ADDITIONAL COST DUE TO CODE ISSUES SHALL BE REIMBURSED BY THE OWNER TO THE CONTRACTOR.

D. LICENSES, PERMITS, INSPECTIONS & FEES

- OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED OR RELATED TO HIS
- FURNISH TO OWNER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT COMPLETION OF PROJECT.

E. TRADE NAMES, MANUFACTURERS AND SHOP DRAWINGS

WHERE TRADE NAMES AND MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE USED AS A MINIMUM FOR THE BASE BID. ALL SUBSTITUTIONS ARE SUBJECT TO APPROVAL IN WRITING, THROUGH SHOP DRAWINGS PROCESS, BY THE OWNER/ARCHITECT PRIOR TO ACCEPTANCE. THE OWNER RESERVES THE RIGHT TO REJECT ANY PROPOSED SUBSTITUTIONS. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

F. GUARANTEE

GUARANTEE ALL MATERIALS AND WORK PROVIDED AND MAKE GOOD. REPAIR OR REPLACE AT YOUR OWN EXPENSE, ANY DEFECTIVE WORK, MATERIAL, OR EQUIPMENT WHICH MAY BE DISCOVERED WITHIN A PERIOD OF 12 MONTHS FROM THE DATE OF ACCEPTANCE. PROVIDE WRITTEN GURANTEE IN FORMAT ACCEPTABLE TO OWNER.

G. RECORD DRAWINGS

- MAINTAIN ONE COPY OF DRAWINGS ON THE JOB SITE TO RECORD DEVIATIONS FROM CONTRACT DRAWINGS, SUCH
 - LOCATION OF JUNCTION BOXES AND RECEPTACLES.
 - REVISIONS, ADDENDUMS, AND CHANGE ORDERS DEVIATIONS MADE NECESSARY BY FIELD CONDITIONS, APPROVED EQUIPMENT SUBSTITUTIONS, AND CONTRACTOR'S COORDINATION WITH OTHER TRADES.
- AT COMPLETION OF PROJECT AND BEFORE FINAL APPROVAL, MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND CERTIFY THE ACCURACY OF EACH PRINT BY SIGNATURE THEREON. ONE COPY OF DRAWINGS STAMPED SHALL BE PLACED "DO NOT REMOVE" IN DRAWING TUBE LOCATED NEXT TO THE ELECTRICAL PANELS.

H. DISCREPANCIES IN DOCUMENTS

- DRAWINGS (PLANS, SPECIFICATIONS, AND DETAILS ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION AND INTENT OF THE ELECTRICAL SYSTEMS. WHERE DRAWINGS, EXISTING SITE CONDITIONS, SPECIFICATIONS OR OTHER TRADES CONFLICT OR ARE UNCLEAR, ADVISE THE OWNER/ARCHITECT IN WRITING PRIOR TO SUBMITTAL 2. OF BID. OTHERWISE, THE OWNER/ARCHITECT'S INTERPRETATION OF CONTRACT DOCUMENTS OR CONDITIONS SHALL BE FINAL WITH NO ADDITIONAL COMPENSATION PERMITTED.
- THE LOCATION OF OUTLETS AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SCHEMATIC IN NATURE. THE OWNER SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ADDITIONAL COST.

I. HANGERS

- HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL SUCH AS ANGLE IRON, WIRE, UNISTRUT, C-CLAMPS WITH RETAINING CLIPS, CHANNELS, HANGER RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK.
- HANGERS SHALL BE FASTENED TO BUILDING STEEL, CONCRETE, OR MASONRY, BUT NOT TO OTHER CONDUIT OR PIPING. HANGERS UPPER ATTACHMENT MUST BE SUPPORTED FROM THE TOP OF THE BAR JOIST. HANGING FROM METAL DECK IS NOT PERMITTED. WHERE INTERFERENCES OCCUR, IN ORDER TO SUPPORT CONDUIT, THE CONTRACTOR MUST INSTALL TRAPEZE TYPE HANGERS OR SUPPORTS WHICH SHALL BE LOCATED WHERE THEY DO NOT INTERFERE WITH ACCESS TO FIRE DAMPERS, VALVES, JUNCTION BOXES, ACCESS DOORS, OTHER EQUIPMENT SERVICE REQUIREMENTS AND/OR OTHER TRADES. HANGER TYPES AND INSTALLATION METHODS ARE SUBJECT TO OWNER'S REQUIREMENTS.

DIVISION 26 - ELECTRICAL

SECTION 260500 BASIC ELECTRICAL MATERIALS AND METHODS A SCOPE OF WORK

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SERVICES, TOOLS, TRANSPORTATION, AND FACILITIES NECESSARY FOR, REASONABLY IMPLIED AND INCIDENTAL TO, THE FURNISHING, INSTALLATION, COMPLETION AND TESTING OF ALL THE WORK FOR THE ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE

- SPECIFICATIONS, AND AS REQUIRED BY JOB CONDITIONS, TO INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: A. A COMPLETE ELECTRICAL DISTRIBUTION TRANSFORMER, FEEDERS, BRANCH CIRCUITS, THE USE OF ROMEX, BX, ETC IS NOT PERMITTED.
- SYSTEM INCLUDING PANELBOARDS, JUNCTION BOXES, OUTLET BOXES, WIRING DEVICES, COVERPLATES, CONDUITS, ETC.
- THE WIRING OF MECHANICAL EQUIPMENT AS OUTLINED ON THE BID SET DRAWINGS AND IN THE SPECIFICATIONS. WORK SHALL INCLUDE WIRING OF ALL STARTERS, DISCONNECTS, AND POWER WIRING OF MECHANICAL EQUIPMENT EXCEPT AS SPECIFICALLY NOTED OTHERWISE.

SLAB ON GRADE SHALL BE RIGID STEEL, OR SCHEDULE 40

CONTRACTOR MAY NOT USE METAL CLAD IN LIEU OF EMT.

SUPPORT ALL CONDUIT, INCLUDING SEISMIC AND SWAY

GENERALLY, ALL CONDUIT SHALL BE CONCEALED EXCEPT

EXPOSED CONDUIT SHALL BE ALLOWED ONLY AS NOTED 5.

FOR UNFINISHED AREAS, SUCH AS EQUIPMENT ROOMS.

BRACING, IN ACCORDANCE WITH THE NEC AND LOCAL

PVC WITH RIGID STEEL ELLS WHERE PERMITTED BY

MINIMUM SIZE OF CONDUIT SHALL BE 3/4" C.

ON PLAN AND AS APPROVED BY THE OWNER.

B. CONDUIT

EQUIPMENT.

OWNER OR CODE.

CODES.

PROVIDE CONDUITS SERVING ALL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, LIGHTING, RECEPTACLES, HEATING, C. OUTLET BOXES

AIR CONDITIONING, PLUMBING EQUIPMENT, TELEPHONE, DATA, SPEAKERS, SECURITY, CCTV AND ELECTRICAL ALL OUTLET BOXES SHALL BE GALVANIZED PRESSED STEEL OF THE STANDARD KNOCKOUT TYPE. NO ROUND OUTLET BOXES SHALL BE PERMITTED, EXCEPT AS ALL CONDUITS SHALL BE GALVANIZED RIGID IMC OR EMT SPECIFICALLY NOTED ON DRAWINGS. CONCEALED BOXES UNLESS OTHERWISE NOTED. CONDUIT SHALL BE UL SHALL NOT BE LESS THAN 4" SQUARE AND 1-1/2" DEEP, LABELED. EMT CONNECTORS SHALL BE STEEL WITH PLASTER RINGS. COMPRESSION OR SET SCREW TYPE. CONDUIT UNDER

WITH GASKETED COVERS.

SEALTIGHT.

ALL KNOCKOUT BOXES, UPON WHICH LIGHTING FIXTURES ARE TO BE INSTALLED, SHALL BE EQUIPPED WITH 3/8" FIXTURE STUDS.

EXTERIOR BOXES SHALL BE CAST RUST-RESISTING METAL

INSTALL BOXES RIGIDLY FROM BUILDING STRUCTURE AND SUPPORT INDEPENDENTLY OF THE CONDUIT SYSTEM. ALSO PROVIDE SUITABLE BOX EXTENSIONS TO EXTEND BOXES TO FINISHED FACES OF FLOORS, CEILINGS, WALLS ETC. ALL OUTLET BOXES TO BE PROVIDED WITH CADDY "QUICK-MOUNT BOX SUPPORT" TO MINIMIZE THE DEFLECTION THAT

DEVICES. UNLESS OTHERWISE NOTED ON DRAWINGS OR OTHERWISE REQUIRED BY THE NATIONAL ELECTRICAL

OCCURS WHEN PLUGGING/UNPLUGGING INTO THESE

- CODE, HANDICAP CODES OR LOCAL CODES, OUTLET HEIGHTS SHALL BE AS FOLLOWS: SWITCH HEIGHT 48" FROM FINISHED FLOOR TO
- CENTERLINE OF OUTLET. B. CONVENIENCE OUTLETS: SALES & NON-SALES: 18" FROM FINISHED FLOOR TO CENTERLINE OF
- OUTLET TELEPHONE OUTLETS SHALL BE LOCATED AS NOTED ON DRAWINGS.

D. JUNCTION AND PULL BOXES

 THE PLANS INDICATE ONLY SCHEMATIC ROUTINGS FOR CONDUIT RUNS. PROVIDE ADDITIONAL BOXES WHERE REQUIRED BY FIELD CONDITIONS OR BY CODE.

2. BOXES AND COVERS SHALL BE GALVANIZED STEEL OF CODE GAUGE SIZE.

- INSTALL BOXES RIGIDLY SUPPORTED FROM THE BUILDING STRUCTURE AND SUPPORTED INDEPENDENT OF THE CONDUIT SYSTEM.
- 4. ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILINGS SHOULD BE IN LOCATIONS NEAR ACCESS FRAMES USED FOR

DIFFUSERS AND RETURN AIR GRILLES OR ACCESS

5. JUNCTION AND PULL BOXES SHALL BE LABELED WITH CIRCUIT NUMBER IDENTIFICATION AND SYSTEM TYPE ON COVER.

PANELS AS LOCATED ON PLANS.

E. WIRING

CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER AND THE AWG SIZE AND TYPE AS SHOWN ON DRAWINGS. MINIMUM WIRE SIZE #12. THE CONDUCTORS SHALL BE 600 VOLT INSULATION, TYPE THHN/THWN DUAL RATED.

FLEXIBLE METAL CONDUIT:

- A. FLEXIBLE CONDUIT SHALL BE USED FOR THE FOLLOWING APPLICATIONS ONLY:
- 1. FINAL CONNECTIONS TO MOTORS 2. FINAL CONNECTIONS INTO AND OUT OF THE TRANSFORMER
- 3. FINAL CONNECTIONS TO VIBRATING EQUIPMENT FLEXIBLE METAL CONDUIT SHALL BE THE SAME
- SIZE AS THE IMC OR EMT CONDUIT TO WHICH IT IS CONNECTED. BOTH THE FLEXIBLE METAL CONDUIT AND IT'S FITTINGS ARE TO BE LISTED FOR GROUNDING. A GREEN GROUNDING CONDUCTOR SHALL BE INSTALLED. ALL

CONNECTION TO OUTDOOR EQUIPMENT MUST

BE WEATHERPROOF, I.E LIQUIDTIGHT OR

HOME RUNS AND MAIN CONDUIT RUNS ARE TO BE HELD

ALLOW PROPER SERVICE ACCESS AND OTHER TRADES

WORK, CONDUIT MUST BE TRAPEZOID TO ALLOW 3 FEET

TIGHT TO STRUCTURE ABOVE OR AS REQUIRED TO

ALL CONDUITS MUST BE SIZED PER NEC AND LOCAL

PROVIDE PULL-WIRE IN ALL EMPTY CONDUITS.

MINIMUM CLEARANCE ABOVE CEILING.

- CONNECTORS ARE TO BE OF A NEMA APPROVED
 - THE USE OF ROMEX, BX, ETC IS NOT PERMITTED. WIRE CONNECTORS SHALL "SCOTCH LOCK" FOR #8 AWG WIRE AND SMALLER AND SHALL BE T & B

SOLID OR STRANDED.

PLENUM RATED WIRE).

CODE AND LOCAL CODES.

"LOCKTIGHT" FOR #6 AWG AND LARGER. ALL WIRING TO BE COLOR-CODED AS FOLLOWS:

CONDUCTORS SHALL BE STRANDED FOR SIZES #10

ALUMINUM CONDUCTORS ARE NOT PERMITTED.

ALL WIRING SHALL BE IN CONDUIT, UNLESS

AWG AND LARGER. CONDUCTORS SIZE #12 SHALL BE

SPECIFICALLY NOTED OTHERWISE (IE LOW VOLTAGE

THE USE OF SHARED NEUTRALS IS REQUIRED FOR

LIGHTING CIRCUITS AND SHALL BE INSTALLED IN

ACCORDANCE WITH THE NATIONAL ELECTRICAL

120/208 VOLT SYSTEM 277/480 VOLT SYSTEM NEUTRAL - WHITE NEUTRAL - GRAY PHASE A OR L1 - BLACK PHASE A OR L1-BROWN PHASE B OR L2 - RED PHASE B OR L2-ORANGE PHASE C OR L3 - BLUE PHASE C OR L3-YELLOW GROUND - GREEN GROUND - GREEN WITH

F. SAFETY AND DISCONNECT SWITCHES

SAFETY AND DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE, QUICK-MAKE, QUICK-BREAK, W/REJECTION TYPE FUSE CLIPS, FUSED OR NON-FUSIBLE WITH RATINGS AND SIZES AS NOTED ON PLANS AND REQUIRED BY CODES. ALL FUSES SHALL BE RK-1 REJECTION TYPE WITH TIME DELAY RATED AT 200K AMPERES RMS SYMMETRICAL FUSE MANUFACTURER AND FUSE TYPE IN INDIVIDUAL EQUIPMENT'S FUSES SHALL BE MANUFACTURED BY BUSSMAN, LITTLE, OR GOULD-SHAWMUT

YELOW TRACER

SWITCHES SHALL BE WEATHERPROOF IN OUTDOOR LOCATIONS OR AS REQUIRED BY LOCAL CODES. DISCONNECT SWITCHES THAT ARE INSTALLED AT HEATING, VENTILATING AND AIR CONDITIONING (HVAC) EQUIPMENT SHALL BE FUSED IF NOT PROTECTED WITH A "HACR" BREAKER IN ACCORDANCE WITH THE **EQUIPMENT'S NAMEPLATE AND MANUFACTURER'S** REQUIREMENTS PER THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES.

AT SERVICE ENTRANCE, DISCONNECT SHALL BEAR THE MANUFACTURER'S LABEL INDICATING THE EQUIPMENT IS UL RATED FOR APPLICATION IN ACCORDANCE WITH ALL CODES.

G. GROUNDING

FURNISH AND INSTALL COMPLETE WIRED GROUNDING CONDUCTOR SYSTEM, SIZED AND INSTALLED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, THE OWNER'S REQUIREMENTS AND AS NOTED IN THE SPECIFICATIONS AND AS INDICATED ON THE DRAWINGS.

ALL CONDUIT, INCLUDING FLEXIBLE CONDUIT, SHALL BE GROUNDED.

ALL POWER CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR. #12 AWG MINIMUM. GREEN ISULATION.

GROUNDING CONNECTIONS MADE TO THE WATER PIPING SYSTEM SHALL BE COORDINATED WITH THE PLUMBING CONTRACTOR AND A BONDING JUMPERS INSTALLED AROUND WATER METER PER CODES AND AS INDICATED ON DRAWINGS.

ALL DEVICES SHALL BE BONDED TO THE CONDUIT SYSTEM. USE A BONDING JUMPER BETWEEN THE OUTLET BOX AND THE DEVICE GROUNDING TERMINAL METAL-TO-METAL CONTACT BETWEEN THE DEVICE YOKE AND THE OUTLET BOX IS NOT ACCEPTABLE AS A BOND FOR EITHER SURFACE MOUNTED BOXES OR FLUSH TYPE BOXES. ALL JUNCTION BOXES, OUTLET BOXES, AND PULL BOXES SHALL BE BONDED TO THE CONDUIT SYSTEM.

RUN A SEPARATE ISOLATED GROUNDING CONDUCTOR, #12 AWG MINIMUM, IN EACH CONDUIT SERVING ISOLATED GROUND RECEPTACLES.

FOR PANEL FEEDERS, BOND THE GROUNDING CONDUCTOR TO THE CONDUIT, WHERE ENTERING AND LEAVING THE CONDUIT. THE GROUNDING CONDUCTOR SHALL BE COPPER WITH GREEN IDENTIFICATION AND SIZED PER N.E.C.

ALL ENCLOSURES AND NON-CURRENT CARRYING METAL PARTS ARE TO BE GROUNDED CONDUIT SYSTEM IS TO BE ELECTRICALLY CONTINUOUS. ALL LOCKNUTS MUST CUT THROUGH ENAMELED OR PAINTED SURFACES ON **ENCLOSURES WHERE ENCLOSURES AND NON-CURRENT** CARRYING METAL PARTS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS. ALL GROUND CLAMPS SHALL BE "PENN-UNION" "GPL" TYPE.

SYSTEM GROUND NOT TO EXCEED 25 OHMS PER NEC.

SIZE MAIN GROUNDING SYSTEM PER NEC, WAC AND LOCAL CODES. PROVIDE CONDUIT TO PROTECT GROUND WIRE FROM DAMAGE TO MAIN DISTRIBUTION PANEL.

CONDUIT. INSPECT GROUNDING AND BONDING SYSTEM

INSTALL GROUND CONDUCTORS IN NON-METLLIC

CONDUCTORS AND CONNECTIONS FOR TIGHTNESS AND PROPER INSTALLATION.

END OF SECTION 260000

11.

PRCTI20231574

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City of Puyallup Development & Permitting Services **ISSUED PERMIT** Planning Building Public Works Engineering

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> 105 7TH ST SW PUYALLUP, WA

STAMP

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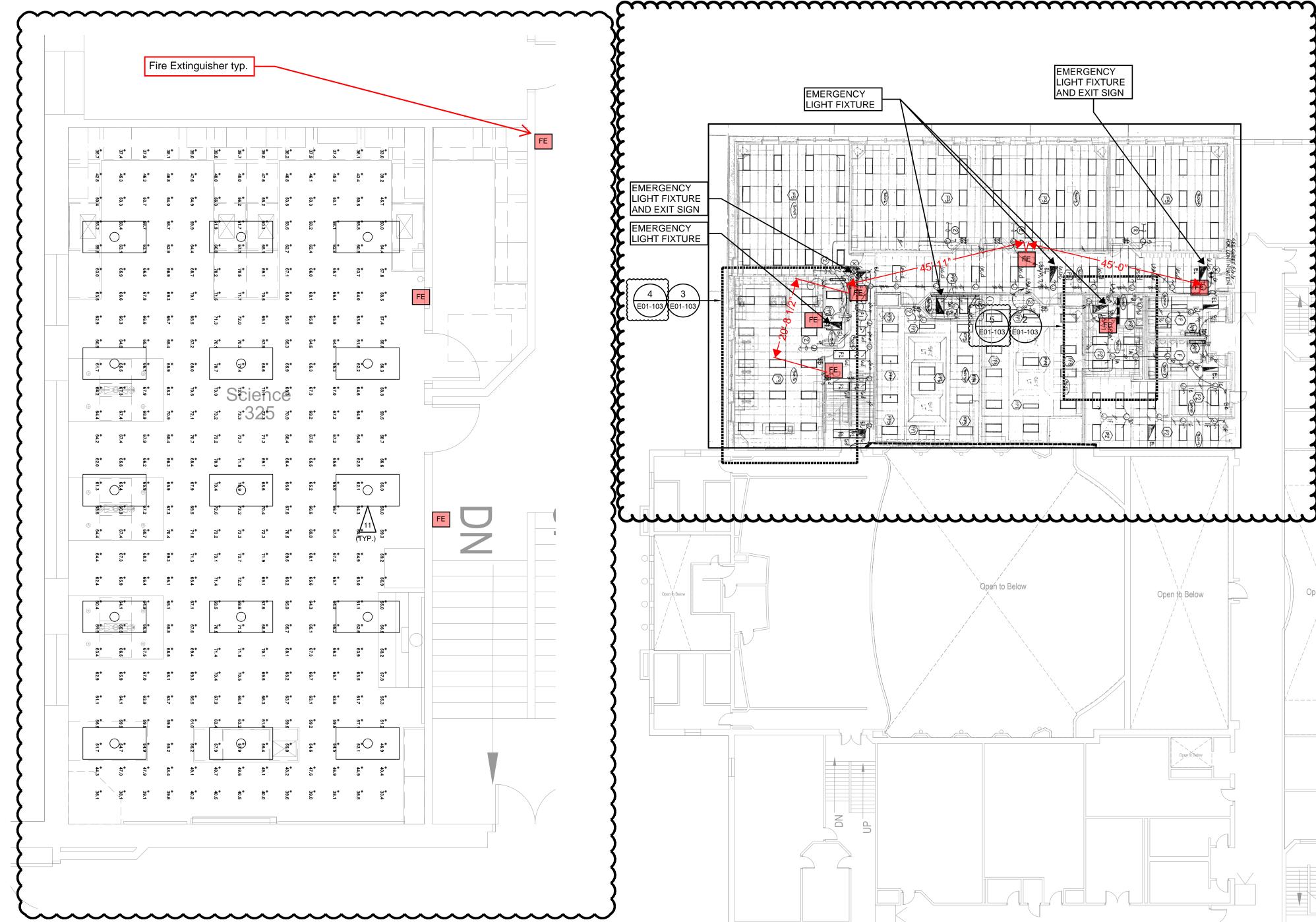


DATE

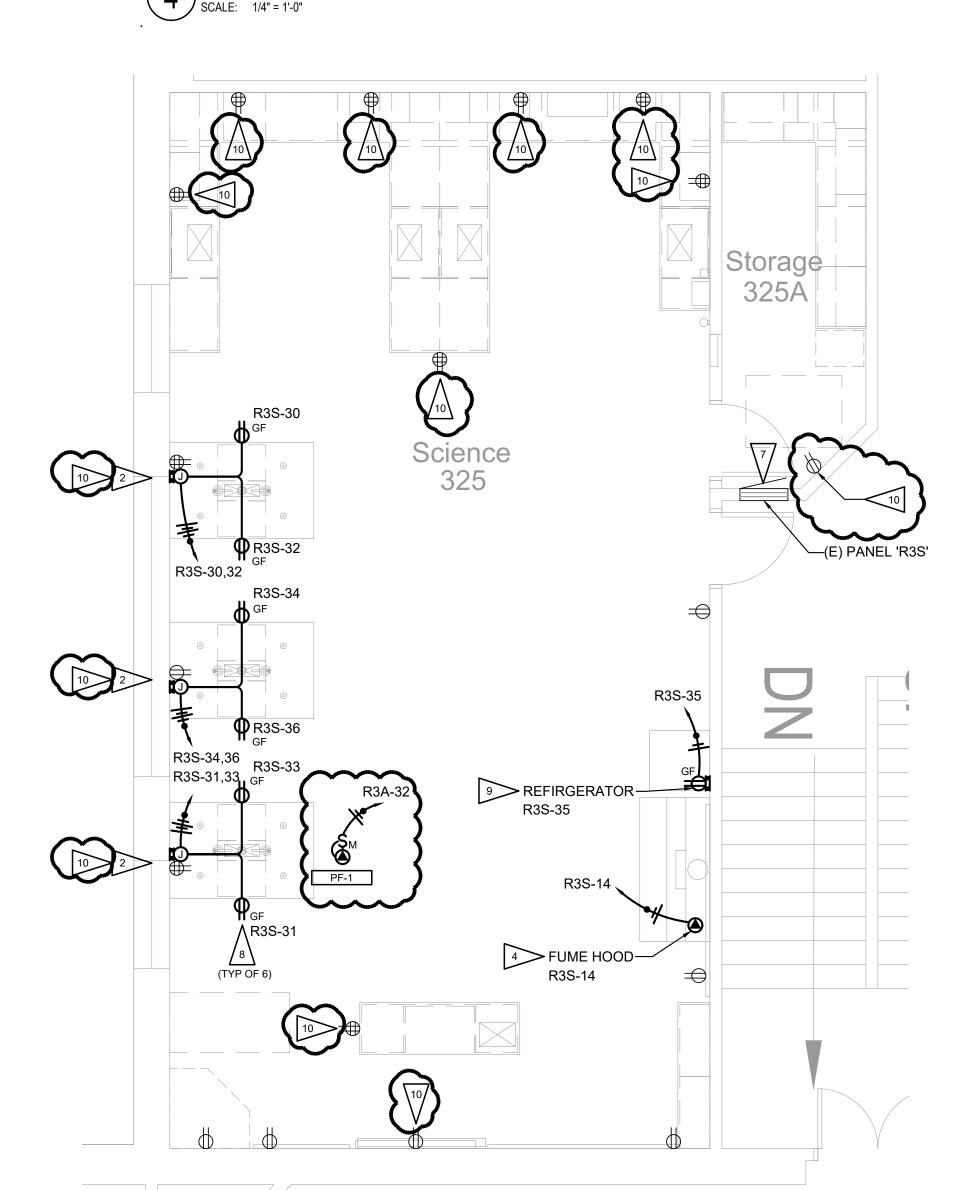
PERMIT SET OCT, 26 2023 PERMIT RESUBMITTAL SET JAN. 2, 2024

ELECTRICAL DRAWING **SPECIFICATIONS**

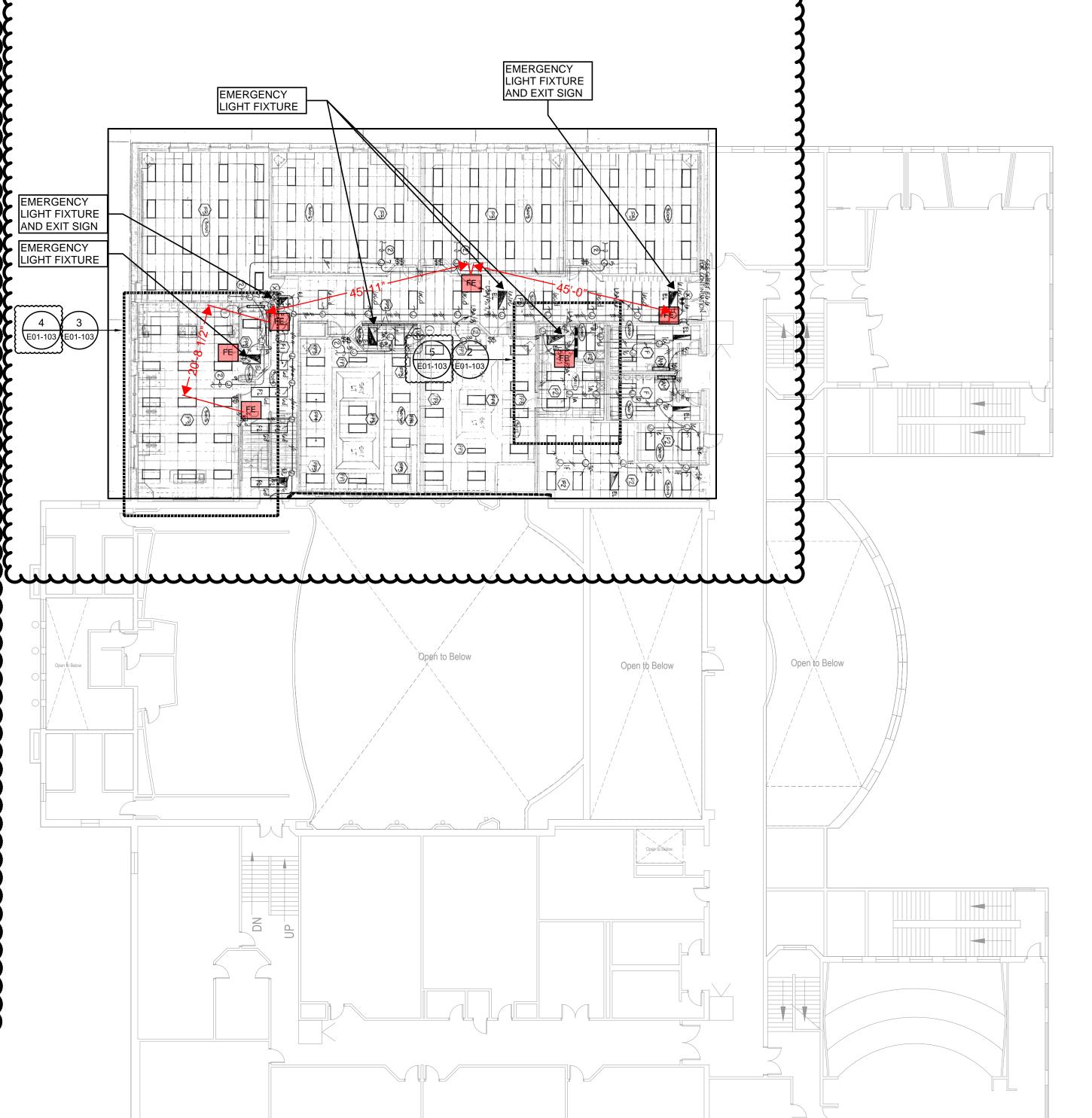
Building Permit #: Site Permit #: Owner's Project #: 2023106 Architect's Project #: TSV Drawn By Checked By



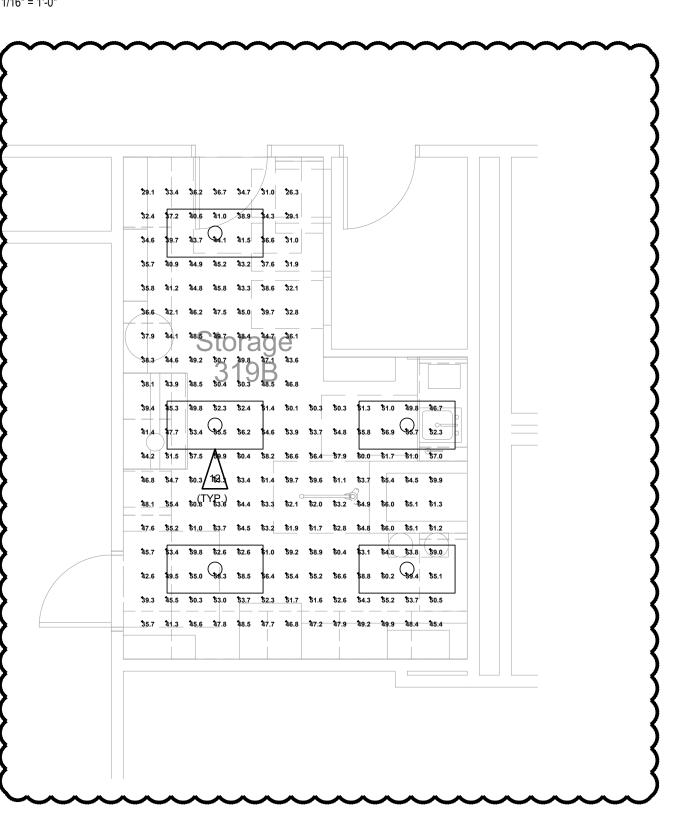
4 ENLARGED LIGHTING FLOORPLAN SCIENCE 325 AND 325A SCALE: 1/4" = 1'-0"



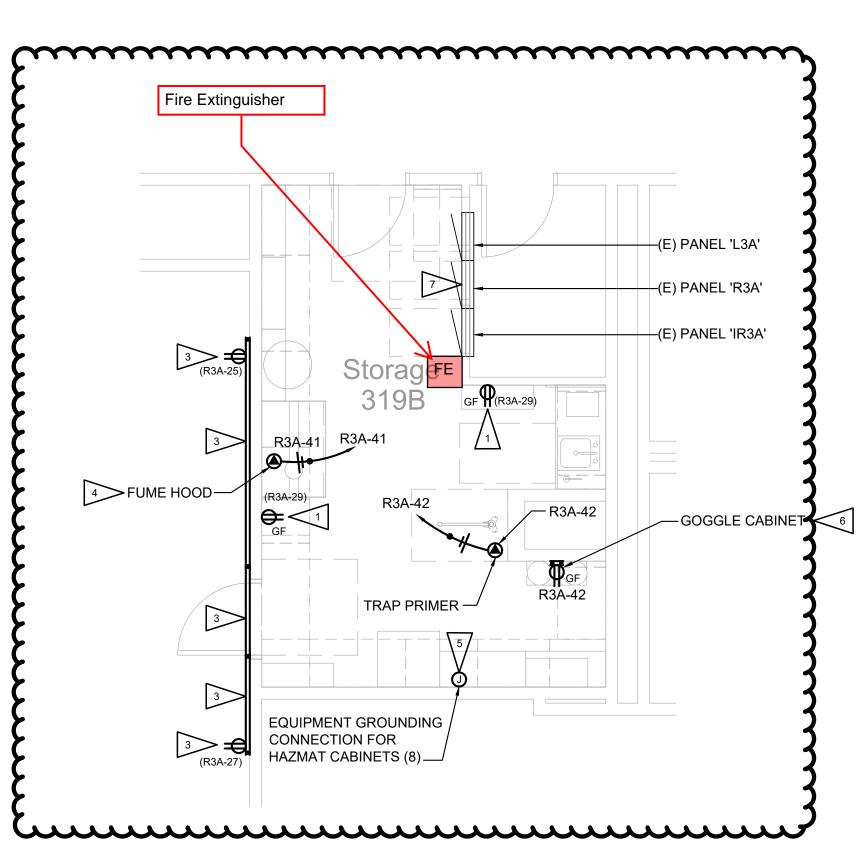
3 ENLARGED ELECTRICAL FLOORPLAN SCIENCE 325 AND 325A SCALE: 1/4" = 1'-0"



∖OVERALL 3RD FLOOR FLOORPLAN BUILDING 50-01



5 ENLARGED LIGHTING FLOOR PLAN STORAGE 319B



ENLARGED ELECTRICAL FLOOR PLAN STORAGE 319B

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

SHEET NOTES

PRCTI20231574

1. ELECTRICAL ITEMS SHOWN ARE DIAGRAMMATIC BASED ON AVAILABLE RECORD DRAWINGS AND SITE WALKS DURING THE DESIGN PERIOD. NOT ALL SYSTEM COMPONENTS ARE SHOWN. FIELD VERIFY DEVICE LOCATIONS AND QUANTITIES PRIOR TO COMMENCING WORK. REROUTE EXISTING-TO-REMAIN DEVICE CONDUIT AND WIRING AS REQUIRED TO SUPPORT REMODEL ACTIVITIES.

2. SEE DRAWING SPECIFICATIONS ON SHEET E01-003 FOR ADDITIONAL INFORMATION.

3. SEE PANEL SCHEDULES, AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.

4. ALL NEW RECEPTACLES INDICATED ON THIS SHEET SHALL BE

5. PROVIDE ADHESIVE BROTHER LABEL WITH CIRCUIT IDENTIFICATION AT ALL NEW RECEPTACLES E.G. R3A-42.

FLAG NOTES

TAMPER RESISTANT TYPE.

REMOVE EXISTING RECEPTACLE AND PROVIDE NEW RECEPTACLE INSTALLED IN EXISTING ROUGH-IN. CONNECT NEW RECEPTACLE TO EXISTING CIRCUIT.

2 PROVIDE V700 WIREMOLD FROM ACCESSIBLE CEILING TO ELEVATION WHERE JUNCTION BOX CAN BE CUT INTO OFCI CASEWORK. PROVIDE SMR JUNCTION BOX CUT INTO CASEWORK AND TRANSITION TO MC CABLE WITHIN CASEWORK. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING AND PROVIDE CONDUIT AND CONDUCTORS FROM ACCESSIBLE CEILING TO EXISTING PANELBOARD.

3> INTERCEPT EXISTING BRANCH CIRCUIT CONDUCTORS AND PROVIDE V700 WIREMOLD AND CONDUCTORS BETWEEN **EXISTING ROUGH-IN LOCATIONS TO MAINTAIN EXISTING** CIRCUITING. PROVIDE VERTICAL TRANSITIONS TO ROUTE ABOVE NEW DOOR.

PROVIDE CONDUIT, CONDUCTORS, AND APPURTENANCES REQUIRED FOR A COMPLETE AND FUNCTIONAL FUME HOOD SYSTEM. PROVIDE CONDUIT AND CONDUCTORS TO CONNECT SALVAGED FUME HOOD TO EXISTING PANELBOARD. WHERE RACEWAYS ARE EXPOSED ON WALL PROVIDE V700 WIREMOLD.

5 PROVIDE V700 WIREMOLD VERTICALLY AT EXISTING WALL AND #12 AWG GROUNDING CONDUCTOR FROM EQUIPMENT GROUNDING CONNECTOR TO BUILDING STEEL. TRANSITION TO CONDUIT ABOVE EXISTING ACCESSIBLE CEILING AND PROVIDE CONDUIT AND CONDUCTORS TO BUILDING STEEL.

6 SEE ARCHITECTURAL ELEVATIONS FOR GOGGLE CABINET HEIGHT. LOCATE RECEPTACLE 6" ABOVE TOP OF GOGGLE CABINET FROM TO THE BOTTOM OF THE RECEPTACLE AND LOCATE CENTERED BETWEEN CABINETS. PROVIDE V700 SMR VERTICALLY TO ABOVE ACCESSIBLE CEILING AND TRANSITION TO CONDUIT BACK TO EXISTING PANELBOARD.

7 COORDINATE CUTTING AND PATCHING OF EXISTING WALL TO ACCOMMODATE INSTALLATION OF NEW HOMERUN CONDUITS WITH DIVISION 09 CONTRACTOR.

8 UNINSTALL CASEWORK FURNISHED GFCI RECEPTACLE AND PROVIDE BLACK GFCI WIRING DEVICE.

9 PROVIDE V700 WIREMOLD FROM ACCESSIBLE CEILING TO +18" DIRECTLY ADJACENT TO RELOCATED FUME HOOD. PROVIDE CONDUIT AND CONDUCTORS FROM ACCESSIBLE CEILING TO EXISTING PANELBOARD INDICATED.

PROVIDE REPLACEMENT TAMPER-RESISTANT GFCI TYPE RECEPTACLE AT EXISTING LOCATION. FIELD VERIFY EXISTING RECEPTACLE CONFIGURATION PRIOR TO ROUGH-IN.

 DEMOLISH EXISTING (3) T8 FLUORESCENT LAMPS AND PROVIDE (3) NEW 4100K T8 FLUORESCENT LAMPS TO MATCH EXISTING.

DEMOLISH EXISTING (3) T8 FLUORESCENT LAMPS AND PROVIDE (2) NEW 4100K T8 FLUORESCENT LAMPS TO MATCH EXISTING.

PHS CAMPUS KEY PLAN

ARCHITECT

Studicmeng STRAZZARA

2001 WESTERN AVE, STE# 200, SEATTLE, WA 98121 www.studioms.com | P: 206.587.3797

CONSULTANT

HARGIS

seattle, wa 98101 206.448.3376

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CLIENT/OWNER

PUYALLUP SCHOOL DISTRICT A Tradition of Excellence

City of Puyallup Development & Permitting Services **ISSUED PERMIT**

PUYALLUP HS **MISCELLANEOUS** PROJECTS 2023

STAMP



ISSUED: DATE

BUILDING PERMIT RESUB NOV 30, 2023 BUILDING PERMIT RESUB JAN 2, 2024

> OVERALL 3RD FLOOR **ELECTRICAL** FLOORPLAN

BUILDING 50-01

Building Permit #: Site Permit #: Owner's Project #: Architect's Project #:

Checked By RM

E01-103

N I	MAIN	S: 225A RAL: 11 BRE AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20		LOAD		LOAD (VA) 3600 2700 2160 2120 1800 2600 720 900 720 720	BRE	AKER POLE 3 - 3 - 1 1 1	C: 10K CKT NO. 2 4 6 8 10 12 14 16	LOCATION: ROOM 319B TYPE: WESTINGHOUSE POW-R-LINE C PRL1 ENCLOSURE: NEMA 1 ITEM DESCRIPTION (E) PANEL 'IR3A'	(CIRCA
N	NEUT CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23	RAL: 10 BRE AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	AKER POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LOAD (VA) 900 900 900 720 900 720 900 720 360 540	Ø A B C A B C A	(VA) 3600 2700 2160 2120 1800 2600 720 900 720	AMPS 100 - - 60 - - 20 20	AKER POLE 3 3 1 1 1 1	CKT NO. 2 4 6 8 10 12 14 16	ITEM DESCRIPTION (E) PANEL 'IR3A' - (E) PANEL 'R3S' - RECEPATACLES ROOMS 3040-30	<u> </u>
N	NEUT CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23	RAL: 10 BRE AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	AKER POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LOAD (VA) 900 900 900 720 900 720 900 720 360 540	Ø A B C A B C A	(VA) 3600 2700 2160 2120 1800 2600 720 900 720	AMPS 100 - - 60 - - 20 20	AKER POLE 3 3 1 1 1 1	CKT NO. 2 4 6 8 10 12 14 16	ITEM DESCRIPTION (E) PANEL 'IR3A' - (E) PANEL 'R3S' - RECEPATACLES ROOMS 3040-30	<u> </u>
N	CKT NO. 1 3 5 7 9 11 13 15 17 19 21 23	BRE AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	AKER POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LOAD (VA) 900 900 900 900 720 900 720 360 540	A B C A B C A B C	(VA) 3600 2700 2160 2120 1800 2600 720 900 720	AMPS 100 - - 60 - - 20 20	AKER POLE 3 3 1 1 1 1	CKT NO. 2 4 6 8 10 12 14 16	ITEM DESCRIPTION (E) PANEL 'IR3A' (E) PANEL 'R3S' RECEPATACLES ROOMS 3040-30	NOT
N	NO. 1 3 5 7 9 11 13 15 17 19 21 23	20 20 20 20 20 20 20 20 20 20 20 20 20 2	POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(VA) 900 900 900 900 720 900 720 900 720 360 540	A B C A B C A B C	(VA) 3600 2700 2160 2120 1800 2600 720 900 720	AMPS 100 60 - 20 20	POLE 3 3 - 1 1	NO. 2 4 6 8 10 12 14 16	(E) PANEL 'IR3A' - (E) PANEL 'R3S' RECEPATACLES ROOMS 3040-30	NOT
	1 3 5 7 9 11 13 15 17 19 21 23	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1 1 1 1 1 1 1 1 1 1	900 900 900 900 720 900 720 900 720 360 540	A B C A B C A B C	3600 2700 2160 2120 1800 2600 720 900 720	100 - - 60 - - 20 20 20	3 - - 3 - - 1 1	2 4 6 8 10 12 14 16	(E) PANEL 'IR3A' - (E) PANEL 'R3S' RECEPATACLES ROOMS 3040-30	NOT
	3 5 7 9 11 13 15 17 19 21 23	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1 1 1 1 1 1 1 1 1	900 900 900 720 900 900 720 360 540	B C A B C A B C	2700 2160 2120 1800 2600 720 900 720	- 60 - - 20 20 20	- 3 - - 1 1	4 6 8 10 12 14 16	(E) PANEL 'R3S' RECEPATACLES ROOMS 3040-30	
	5 7 9 11 13 15 17 19 21 23	20 20 20 20 20 20 20 20 20 20 20 20 20	1 1 1 1 1 1 1 1	900 900 720 900 900 720 360 540	C A B C A B C	2160 2120 1800 2600 720 900 720	- 60 - - 20 20 20	- 3 - - 1 1	6 8 10 12 14 16	RECEPATACLES ROOMS 3040-30	
	7 9 11 13 15 17 19 21 23	20 20 20 20 20 20 20 20 20 20 20 20	1 1 1 1 1 1 1	900 720 900 900 720 360 540	A B C A B C	2120 1800 2600 720 900 720	60 - - 20 20 20	3 - - 1 1	8 10 12 14 16	RECEPATACLES ROOMS 3040-30	
	9 11 13 15 17 19 21 23	20 20 20 20 20 20 20 20 20 20	1 1 1 1 1 1	720 900 900 720 360 540	B C A B C	1800 2600 720 900 720	- 20 20 20	- - 1 1	10 12 14 16	RECEPATACLES ROOMS 3040-30	
	11 13 15 17 19 21 23	20 20 20 20 20 20 20 20	1 1 1 1 1	900 900 720 360 540	C A B C A	2600 720 900 720	- 20 20 20	- 1 1	12 14 16		
	13 15 17 19 21 23	20 20 20 20 20 20 20 20	1 1 1 1 1	900 720 360 540	A B C A	720 900 720	20 20 20	1 1 1	14 16		
	15 17 19 21 23	20 20 20 20 20 20	1 1 1 1	720 360 540	B C A	900 720	20	1	16		
	17 19 21 23	20 20 20 20	1 1 1	360 540	C A	720	20	1		RECEPATACLES ROOMS 3040-30	
	19 21 23	20 20 20	1	540	Α				10		
	21 23	20 20	1		-	720	20		10	RECEPATACLES ROOMS 3040-30	
	23	20	_	900	П			1	20	RECEPATACLES ROOMS 3040-30	
		+	1		וטו	900	20	1	22	RECEPTACLES ROOMS 3037-3039	
	25	20	'	720	С	900	20	1	24	RECEPTACLES ROOMS 3037-3039	
ı		20	1	900	Α	720	20	1	26	RECEPTACLES ROOMS 3037-3039	
	27	20	1	720	В	1000	20	2	28	SKYLIGHT SHADE	
	29	20	1	900	С	1000	-	-	30	-	
	31	20	1	1180	Α		20	1	32	SPARE	
	33	20	2	1450	В	540	20	1	34	RECEPTACLES ROOM 3039	
	35	-	-	1450	С	540	20	1	36	RECEPTACLES ROOF	
	37	20	2	1300	Α	750	20	1	38	HEAT TRACE	
	39	-	-	1300	В	1180	20	1	40	EF3-11	
	41	20	1	500	С	500	20	1	42	TRAP PRIMER & GOGGLE CABINET	1
•				OAD CA	LC	JLATION	IS				
ESCRIPTION	C	ONN. (\	VA)	DEMA	ND	ACTOR	C/	ALC. (V	A)		
ONTINUOUS:		-			125%	6		-	-	LOAD SUMMARY	
ELLANEOUS:		3050			100%	6		3050			
LIGHTING:		_			125%	6		_		TOTAL	
		2900			125%	6		3625		CONNECTED LOAD AMPS	
MOTORS:		6960						6960		PHASE A: 15,250 VA 127 A	
								10000			
OVER 10kVA:					50%	•		11110		PHASE B: 15,730 VA 131 A	
										PHASE C: 14,150 VA 118 A	
	ONTINUOUS: ELLANEOUS: LIGHTING: EST MOTOR: MOTORS: ECEPTACLE:	ONTINUOUS: ELLANEOUS: LIGHTING: EST MOTOR: MOTORS: ECEPTACLE:	ONTINUOUS: - ELLANEOUS: 3050 LIGHTING: - EST MOTOR: 2900 MOTORS: 6960 ECEPTACLE: 10000	ONTINUOUS: - ELLANEOUS: 3050 LIGHTING: - EST MOTOR: 2900 MOTORS: 6960 ECEPTACLE: 10000	ONTINUOUS: - ELLANEOUS: 3050 LIGHTING: - EST MOTOR: 2900 MOTORS: 6960 ECEPTACLE: 10000	ONTINUOUS: - 125% ELLANEOUS: 3050 100% LIGHTING: - 125% EST MOTOR: 2900 125% MOTORS: 6960 100% ECEPTACLE: 10000 100%	ONTINUOUS: - 125% ELLANEOUS: 3050 100% LIGHTING: - 125% EST MOTOR: 2900 125% MOTORS: 6960 100% ECEPTACLE: 10000 100%	ONTINUOUS: - 125% ELLANEOUS: 3050 100% LIGHTING: - 125% EST MOTOR: 2900 125% MOTORS: 6960 100% ECEPTACLE: 10000 100%	ONTINUOUS: - 125% - ELLANEOUS: 3050 100% 3050 LIGHTING: - 125% - EST MOTOR: 2900 125% 3625 MOTORS: 6960 100% 6960 ECEPTACLE: 10000 100% 10000	ONTINUOUS: - 125% - ELLANEOUS: 3050 100% 3050 LIGHTING: - 125% - EST MOTOR: 2900 125% 3625 MOTORS: 6960 100% 6960 ECEPTACLE: 10000 100% 10000	ONTINUOUS: - 125% - LOAD SUMMARY ELLANEOUS: 3050 100% 3050 LIGHTING: - 125% - TOTAL EST MOTOR: 2900 125% 3625 CONNECTED LOAD AMPS MOTORS: 6960 100% 6960 PHASE A: 15,250 VA 127 A ECEPTACLE: 10000 100% 10000 OVER 10kVA: 22220 50% 11110 PHASE B: 15,730 VA 131 A

. PROVIDE NEW BREAKER IN AVAILABLE SPACE

TOTAL CALCULATED AMPS: 97 A

HARGIS ENGINEERS, INC.

1201 THIRD AVENUE, SUITE 600

SEATTLE, WA 98101

PH. (206) 448-3376

FAX. (206) 448-4450

FAX. (206) 448-4450

PANEL SCHEDULE: 08/25/2023				(E) PA	NE	L 'R3S	5 '			PROJECT: Puyallup HS Misc. Impro	vement
CLASSIFICATION: NORMAL	VOLT	AGE: 20	08Y/120	OV 3Ø, 4-V	VIRE		SEC	TION:	1 OF 1	LOCATION: ROOM 325A	
FED FROM: (E) PANEL 'R3A'	MAIN	S: 40A I	MAIN C	IRCUIT B	REA	AKER				 TYPE: WESTINGHOUSE POW-R-LINE C PRL1	(CIRCA
					· · · · · ·			(Onto)			
MOUNTING: FLUSH	NEUI	'RAL: 10	J0% RA	ATED				A	C: 10K	ENCLOSURE: NEMA 1	
	СКТ	BRE	AKER	LOAD		LOAD		AKER	СКТ		
NOTE ITEM DESCRIPTION	NO.	AMPS	POLE	(VA)	Ø	(VA)	AMPS	POLE	NO.	ITEM DESCRIPTION	NO.
MAIN BREAKER	1	40	3		Α	180	20	1	2	RECEPTACLES ROOM 325	
-	3	-	-		В	180	20	1	4	RECEPTACLES ROOM 325	
-	5	-	-		С	180	20	1		RECEPTACLES ROOM 325	
SHUNT TRIP FOR MAIN	7	40	1		Α	180	20	1	8	RECEPTACLES ROOM 325	
RECEPTACLES ROOM 325	9	20	1	180	В	180	20	1	10	RECEPTACLES ROOM 325	
RECEPTACLES ROOM 325	11	20	1	180	С	180	20	1	12	RECEPTACLES ROOM 325	
RECEPTACLES ROOM 325	13	20	1	180	Α	500	20	1	14	FUME HOOD	2
RECEPTACLES ROOM 325	15	20	1	180	В		20	1		SHUNT TRIP	
RECEPTACLES ROOM 325	17	20	1	180	С	180	20	1	18	RECEPTACLES ROOM 325	
RECEPTACLES ROOM 325	19	20	1	180	Α	180	20	1	20	RECEPTACLES ROOM 325	
RECEPTACLES ROOM 325	21	20	1	180	В	180	20	1	22	RECEPTACLES ROOM 325	
RECEPTACLES ROOM 325	23	20	1	180	С	180	20	1	24	RECEPTACLES ROOM 325	
RECEPTACLES ROOM 325	25	20	1	180	Α	180	20	1	26	RECEPTACLES ROOM 325	
RECEPTACLES ROOM 325	27	20	1	180	В	180	20	1	28	RECEPTACLES ROOM 325	
RECEPTACLES ROOM 325	29	20	1	180	С	180	20	1	30	SCIENCE WORKSTATION	1
1 SCIENCE WORKSTATION	31	20	1	180	Α	180	20	1	32	SCIENCE WORKSTATION	1
1 SCIENCE WORKSTATION	33	20	1	180	В	180	20	1	34	SCIENCE WORKSTATION	1
1 REFRIGERATOR	35	20	1	800	C	180	20	1	36	SCIENCE WORKSTATION	1
LOAD DESCRIPTION MISCELLANEOUS CONTINUOUS EQUIPMENT & MISCELLANEOUS		ONN. (\ - 1300				FACTOR %		ALC. (V - 1300	′A)	LOAD SUMMARY	
LIGHTING		_			1259			_		TOTAL	
LARGEST MOTOR		_			1259			_		CONNECTED LOAD AMPS	
MOTORS		_			1009			_		PHASE A: 2,120 VA 18 A	
RECEPTACLE		5220			1009	%		5220		,	
RECEPTACLES OVER 10kVA		-			50%			-		PHASE B: 1,800 VA 15 A	
										PHASE C: 2,600 VA 22 A	_
										TOTAL CALCULATED LOAD: 6,520 V	A
										TOTAL CALCULATED AMPS: 18 A	
TOTALS		6,520						6,520			
NOTES:										HARGIS ENGINEERS, INC.	
PROVIDE NEW BREAKER IN AVAILABLE SPACE NEW LOAD ON EXISITING SPARE BREAKER										1201 THIRD AVENUE, SUITE 600 SEATTLE, WA 98101	
3.										,	
4.										PH. (206) 448-3376	
										\—/ · · · · ·	

SHEET NOTES:

- 1. NEW BREAKERS SHALL MATCH EXISTING PANEL MANUFACTURER AND AIC RATING.
- AVAILABLE FAULT CURRENT AT MDP-2 IS BASED UPON RECORD DRAWINGS.

PUYALLUP HS 600A PRIMARY SWITCH DEMAND CALCULATION:

EXISTING 600A SWITCH:

12-MONTH PEAK DEMAND = 594kW
594kW @ .90 POWER FACTOR = 660kVA
660kVA X 125% = 825kVA

REVISED 600A SWITCH:
ADJUSTED DEMAND = 825kVA
ADDED DEMAND = 4kVA
TOTAL DEMAND = ADJUSTED + ADDED = 829kVA
829kVA/(12,470V x SQRT(3)) = 38.5A

NEW CALCULATED DEMAND DOES NOT EXCEED THE AMPACITY OF THE FEEDERS OR BUS SUPPLYING POWER TO THESE LOADS.

PUYALLUP HS 15KV 200A SWITCH DEMAND CALCULATION:

EXISTING 200A SWITCH:

12-MONTH PEAK DEMAND = 594kW
594kW @ .90 POWER FACTOR = 660kVA
660kVA X 125% = 825kVA

REVISED 200A SWITCH:
ADJUSTED DEMAND = 825kVA
ADDED DEMAND = 4kVA
TOTAL DEMAND = ADJUSTED + ADDED = 829kVA
829kVA/(12,470V x SQRT(3)) = 38.5A

NEW CALCULATED DEMAND DOES NOT EXCEED THE AMPACITY OF THE FEEDERS OR BUS
SUPPLYING POWER TO THESE LOADS.

PUYALLUP HS XFMR T1 DEMAND CALCULATION:

EXISTING 2000KVA TRANSFORMER:

12-MONTH PEAK DEMAND = 594kW
594kW @ .90 POWER FACTOR = 660kVA
660kVA X 125% = 825kVA

REVISED 2000KVA SWITCHBOARD:
ADJUSTED DEMAND = 825kVA
ADDED DEMAND = 4kVA
TOTAL DEMAND = ADJUSTED + ADDED = 829kVA

NEW CALCULATED DEMAND DOES NOT EXCEED THE AMPACITY OF THE FEEDERS OR BUS
SUPPLYING POWER TO THESE LOADS.

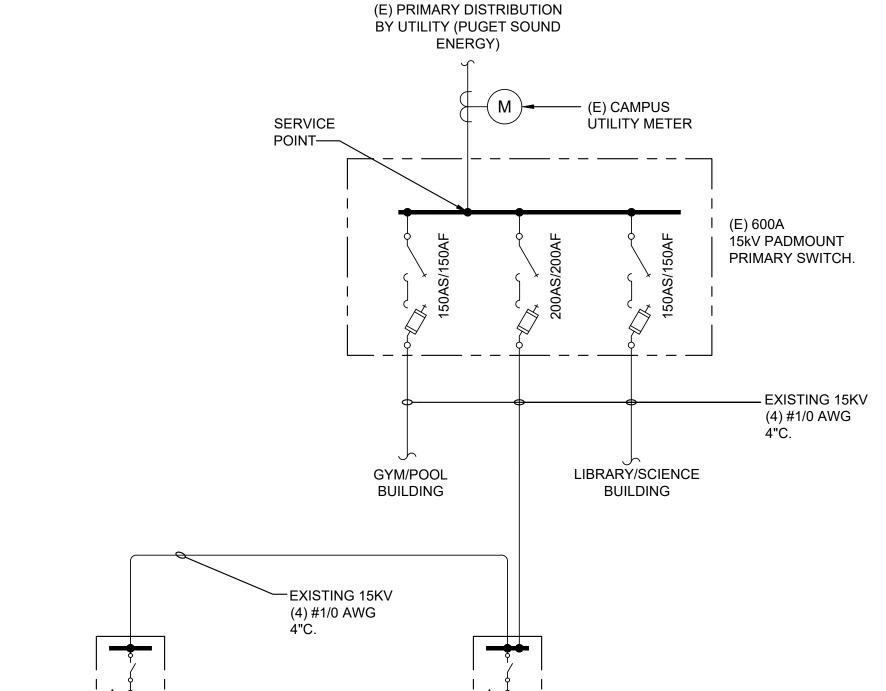
PUYALLUP HS MDP-2 DEMAND CALCULATION:

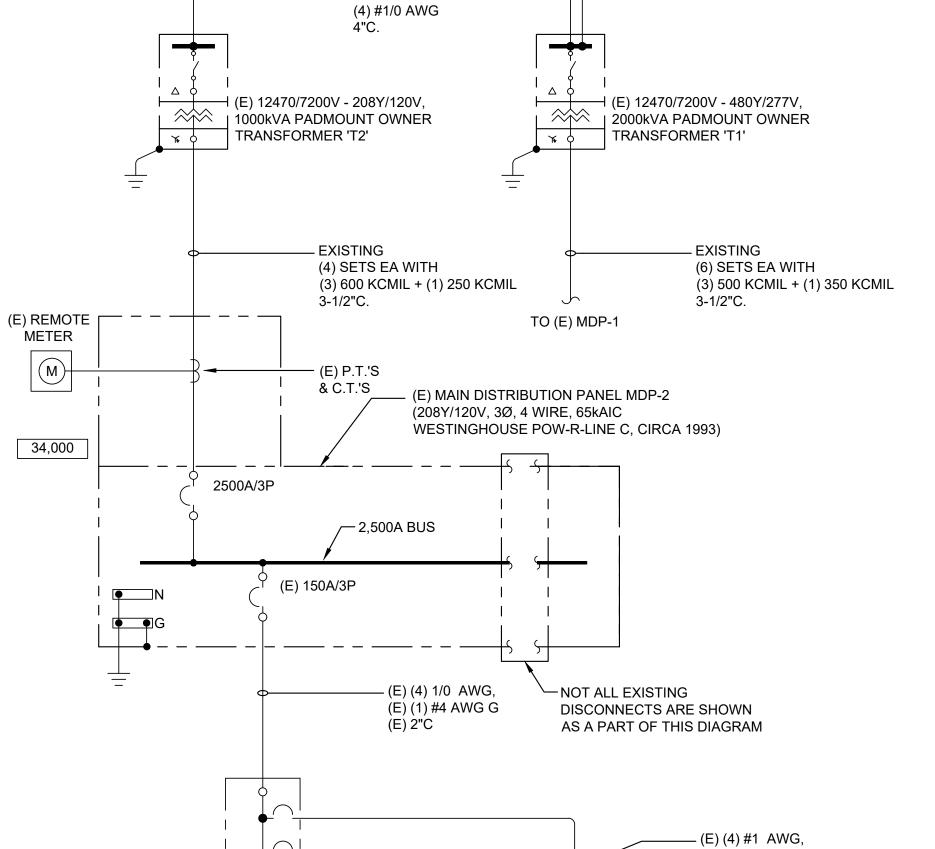
EXISTING 2500A SWITCHBOARD:

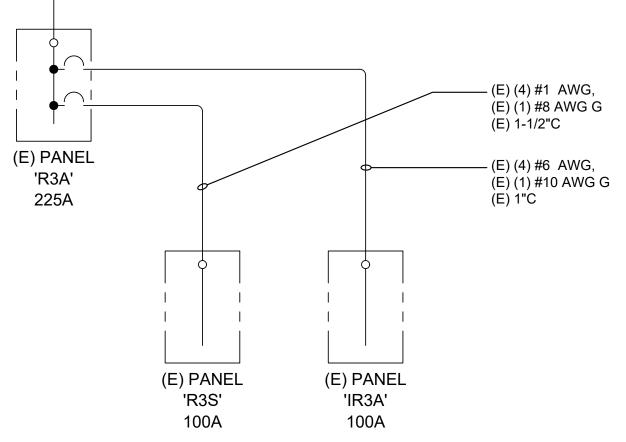
12-MONTH PEAK DEMAND = 594kW
594kW @ .90 POWER FACTOR = 660kVA
660kVA X 125% = 825kVA

REVISED 2500A SWITCHBOARD:
ADJUSTED DEMAND = 825kVA
ADDED DEMAND = 4kVA
TOTAL DEMAND = ADJUSTED + ADDED = 829kVA
829kVA/(208V x SQRT(3)) = 2301A

NEW CALCULATED DEMAND DOES NOT EXCEED THE AMPACITY OF THE FEEDERS OR BUS
SUPPLYING POWER TO THESE LOADS.







studio

ARCHITECT

CONSULTANT

CLIENT/OWNER

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& SCIENCE PREP

ROOM TI AT

PUYALLUP HIGH

SCHOOL

105 7TH ST SW

PUYALLUP, WA

STAMP

ISSUED:

PERMIT SET

PERMIT RESUBMITTAL SET JAN. 2, 2024

ELECTRICAL ONE-LINE DIAGRAM &

PANEL SCHEDULES

OCT, 26 2023

Building Permit #:

Site Permit #:

Owner's Project #:

Architect's Project #: 20231

Drawn By

F01-901

Checked By