GIG HARBOR FIRE AND MEDIC ONE

GIG HARBOR STATION 51

ADDENDUM #03

September 19, 2025

TO ALL BIDDERS:

The Bid Documents issued August 15, 2025, for the Project noted above are amended by this Addendum #03. This Addendum serves to clarify, revise, and supersede information in the Project Manual and Drawings.

The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

PROJECT MANUAL REVISIONS

Division 00 Procurement (Vol 1)

ITEM 1 Section 00113, INVITATION TO BID

ITEM 2 Paragraph "BID BOND REQUIREMENT:" **Revise** sentence ". Checks shall be made payable to the Gig Harbor Fire and Medic One." to read as ". Checks shall be made payable to the order of Pierce County Fire Protection District No. Five."

Architectural

ITEM 3 Section 024100 DEMOLITION
Paragraph 3.2. GENERAL PROCEDURES AND PROJECT CONDITIONS, paragraph "E": **Revise** to read, "Underground Storage Tanks: Remove and dispose per civil drawings."

ITEM 4 Section 074646 FIBER CEMENT SIDING
Revise paragraph 1.8 WARRANTY, A.1. to read "HardiePlank HZ10 vertical siding for 30 years."

ITEM 5 Section 077200 ROOF ACCESSORIES
Replace Section 077200 ROOF ACCESSORIES in its entirety (see attached).
Revise paragraph 1.1.A. **Revise** paragraph A; 1.2.A, **Remove** section reference for fabricated roof ladders; **Revise** paragraph 1.3.D. **Remove** certificate for smoke hatches; and **Revise** paragraph 2.2.C.4, **Remove** "Roof Hatches" in its entirety.

ITEM 6 Section 087100 DOOR HARDWARE
Replace paragraph 3.8 Door Hardware Schedule in its entirety (see attached).

Civil/Landscape (Vol 2)

ITEM 7 Section 320190 1 YEAR LANDSCAPE MAINTENANCE
Replace Section 320190 1 YEAR LANDSCAPE MAINTENANCE in its entirety (see attached).

ITEM 8 Section 329200 TURF AND GRASSES
Replace Section 32920 TURF AND GRASSES in its entirety (see attached).

DRAWING REVISIONS

ITEM 9 C02.01 – SITE PLAN: **Revise/add** equipment and bollards layout near electrical transformer.

ITEM 10 C03.01 – GRADING PLAN: **Revise/add** equipment and bollards layout near electrical

ITEM 11 C04.01 – UTILITY PLAN: **Revised** water note; revised equipment around southeast fire hydrant; and revised the northeast hydrant graphic.

ITEM 12 C05.09 – MISC DETAILS: **Add** removeable bollard details.

ITEM 13 L01.00 – PLANTING PLAN: **Revise** keynote and southeast portion of landscaping.

ITEM 14 L01.01 – FRONT PLAZA PLAN: **Revise** bicycle rack to one rack.

ITEM 15 L03.00 – IRRIGATION PLAN: **Revise** irrigation layout southeast portion of landscaping.

ITEM 16 A00.02 – DRAWING INDEX, GENERAL INFORMATION: **Add** sheets A03.02 and A50.01

ITEM 17 A01.01 – LIFE SAFETY PLAN: **Added** exit sign locations shown on electrical drawings; and **added** door egress calculations.

ITEM 18 A03.01 – ASSEMBLY TYPES: **Revised**.

ITEM 19 A03.02 – ASSEMBLY TYPES: **Add** new Assembly Detail sheet.

ITEM 20 A11.01 – SITE PLAN: **Revised** quantity of bike racks to match Landscape

ITEM 21 A22.01 – FLOOR PLAN – MAIN LEVEL – ANNOTATION: **Revised** "Notes & Legend – Floor Plan." Keynote 104 has been updated. **Added** Exterior detail callouts. **Added** sound attenuation walls to additional walls.

ITEM 22 A22.02 – FLOOR PLAN – UPPER LEVEL – ANNOTATION: **Revised** "Notes & Legend" has been updated. **Added** sound attenuation walls to additional walls.

ITEM 23 A22.03 – FLOOR PLAN – MAIN LEVEL – DIMENSION: **Added** Enlarged floor plan callouts

ITEM 24 A22.04 – FLOOR PLAN – UPPER LEVEL – DIMENSION: **Added** Enlarged floor plan callouts

ITEM 25 A24.01 – REFLECTED CEILING PLAN – MAIN LEVEL: **Revised** "Notes & Legend". **Added** ceiling type annotations.

ITEM 26 A24.02 – REFLECTED CEILING PLAN – UPPER LEVEL: **Revised** "Notes & Legend". **Added** ceiling type annotations. **Revised** dimension at ceiling fan at kitchen / dining room.

ITEM 27 A26.01 – ENLARGED FLOOR PLANS: **Revised** corner guard annotations.

ITEM 28 A32.01 – BUILDING SECTIONS: **Added** floor tags

ITEM 29 A32.02 – BUILDING SECTIONS: **Added** floor tags

ITEM 30 A33.01 – WALL SECTIONS: **Revised** annotations on details 4,7, and 10

ITEM 31 A33.02 – WALL SECTIONS: **Revised** annotation on detail 4

ITEM 32 A40.01 – STAIR PLANS & SECTIONS: **Added** floor tags on details 6 and 8

ITEM 33 A41.01 – ELEVATOR AND SLIDE POLE: **Added** detail 8. **Revised** details 1,2,5, 7, 9, 10 and 11

ITEM 34 A50.01 – EXTERIOR PLAN DETAILS: **Add** new detail sheet.

ITEM 35 A51.01 – EXTERIOR SECTION DETAILS: **Revised** detail 1 and 8

ITEM 36 A51.02 – EXTERIOR SECTION DETAILS: **Revised** detail 1, 2, 5, 6, 7, and 10

ITEM 37 A52.01 – ROOF DETAILS: **Revised** details 1, 2, and 5

ITEM 38 A52.02 – ROOF DETAILS: **Revised** detail 3

ITEM 39 A60.01 – DOOR SCHEDULES, DOOR & FRAME TYPES, INTERIOR DOOR DETAILS: **Revised** Door Schedule Hardware Group

ITEM 40 A60.03 – EXTERIOR DOOR DETAILS: **Revised** details 1, 2, and 3

ITEM 41 E00.01 – ELECTRICAL LEGEND GENERAL NOTES: **Revise** description for the emergency light fixtures in electrical legend as per attached revised sheet E00.01.

ITEM 42 E00.02 – SYSTEMS LEGEND: **REVISE** Alert System section on the legend as per attached sheet E00.02

ITEM 43 E00.03 – LIGHT FIXTURE SCHEDULE, EXTERIOR LIGHTING SCHEDULE: **ADD** building sign to the exterior lighting schedule**.** See attached revised sheet E00.03 **REVISE** model number and mounting & remarks for the RL2E and RL3E fixtures as per attached revised sheet E00.03. **ADD** SL8 lighting fixture the lighting fixture schedule as per attached revised sheet E00.03.

ITEM 44 E11.01 – ELECTRICAL SITE PLAN: **ADD** two bollards in front of the transformer, meter, and ATS. See attached revised sheet E11.01. **REVISED** bollard locations in front of the transformer, meter, and ATS. See attached revised sheet E11.01. **REVISED** locations for utility transformer, meter, and ATS. Equipment was moved to accommodate clearances between bollards and equipment. See attached revised sheet E11.01. **ADD** construction notes 28 and 29 as per attached revised sheet E11.01. **ADD** circuit R1B-34 for

receptacle mounted on light pole. See attached revised sheet E11.01. **ADD** circuit R2A-35 for receptacle mounted on light pole. See attached revised sheet E11.01. **ADD** power for the building sign as per attached revised sheet E11.01. **REVISE** construction note 25 as per attached revised sheet E11.01.**ADD** construction note 31 as per attached revised sheet E11.01. **REVISE** construction note for the EV charger next to the ADA stall to note 31 in lieu of 2. See attached revised sheet E11.01**. REVISE** construction note 3 as per attached revised sheet E11.01. **REVISE** Location of PIV and BFP as per attached sheet E11.01.

ITEM 45 E21.01 – LIGHTING PLAN – MAIN LEVEL: **ADD** two SL8 lighting fixtures for the sign mounted above the North Apparatus bays doors. Revise construction note 5. See attached revised sheet E21.01

ITEM 46 E41.01 – SYSTEMS PLAN – MAIN LEVEL: **ADD** construction note 10 as per attached sheet E41.01. **ADD** construction note 11 as per attached sheet E41.01. **ADD** construction note 10 between conduits per attached sheet E41.01.**ADD** Color Indicator Remote (CIR) in FFWA 108 and Fitness 131 as per attached sheet E41.01. **ADD** 1-port data outlet on the exterior of Sleep Room 124. **ADD** 1-port data tag and construction note on Intercom Door Station. **ADD** construction note on the exterior speaker on Fitness 131. **ADD** construction note on speaker in Maint. Shop 140. **ADD** construction note on phone outlet in North Stair 141. **ADD** construction note on Access control on door in North Stair 141. **ADD** construction note on WAP in Decon 148

ITEM 47 E41.02 – SYSTEMS PLAN – UPPER LEVEL: **ADD** construction note 10 as per attached sheet E41.02. **ADD** construction note 10 between conduits as per attached sheet E41.02. **ADD** Color Indicator Remote (CIR) in Kitchen Dining Room 201 and Dayroom 212. **REVISE** ceiling speakers to wall speakers in Kitchen Dining Room 201 and tag with construction note 9. **REVISE** ceiling speakers to wall speakers in Training Room 205. **ADD** construction note 9 to Volume control in Training Room 205. **REVISE** ceiling speakers to wall speakers in Dayroom 212 and tag with construction note 9. **REVISE** location of conduit sleeve between West Stair 233 and Kitchen/Dining Room 201.

ITEM 48 E61.011 – ONE-LINE DIAGRAM: **ADD** standby generator load shedding operation notes as per attached revised sheet E61.00. **ADD** NEMA 3R to the automatic transfer switch description. See attached revised sheet E61.00. **REVISE** Bussmann shunt trip to 200A in lieu of 100A. See attached revised sheet E61.00.

SUBSTITUTION REQUESTS

ITEM 49 Section 074113 – METAL ROOF PANELS
Not accepted: Paragraph 2.4. Proposed Product: Add Metal Sales Vertical Seam 22ga 18” wide PVDF Slate Grey.

ITEM 50 Section 074113 – METAL ROOF PANELS
Not accepted: Paragraph 2.4.A. Proposed Product: TBC Ultra

ITEM 51 Section 074213 – METAL WALL PANELS
Accepted: Paragraph 2.4. **Add** Proposed Product: Metal Sales EM15 Series 24 ga or 22 ga 12” wide Metallic Silver.

ITEM 52 Section 074213 – METAL WALL PANELS
Accepted: Paragraph 2.4. **Add** Proposed Product: AEP Span Prestige Series.

ITEM 53 Section 074213 – METAL WALL PANELS
Accepted: Paragraph 2.4. **Add** Proposed Product: TBC Axis F66

ITEM 54 Section 086200 – UNIT SKYLIGHTS
Not Accepted: Paragraph 2.1. Crystal Structures (“Addition Skylight”)

ITEM 55 Section 093000 – TILING
Accepted: Paragraph 2.5.B., 2.5.C., 2.5.F, and 2.7.B. **Add** Proposed Product: Ardex Americas; Ardex X5, Ardex WA, Ardex Flexbone uncoupling membrane.

ITEM 56 Section 095426 – SUSPENDED WOOD CEILINGS
Not Accepted: Paragraph 2.4.A. Proposed Product: ASI Architectural Grille – Backer and Dowel.

ITEM 57 Section 095426 – SUSPENDED WOOD CEILINGS
Not Accepted: Paragraph 2.4.B and C. **Add** Proposed Product: ASI Architectural Fusion Tegular Lay In.

ITEM 58 Section 095426 – SUSPENDED WOOD CEILINGS
Not Accepted: Paragraph 2.4.A. Propose Product: CertainTeed Grille – Backer and Dowel.

ITEM 59 Section 095426 – SUSPENDED WOOD CEILINGS
Not Accepted: Paragraphs 2.3 & 2.4 (WDC-1, WDC-2 & WDC-3). Proposed Product: Geometrik Microperfo S., Geometrik Geopanel Grill and Geometrik Geosquare.

ITEM 60 **Section 122413 –** ROLLER WINDOW SHADES
Accepted: Paragraph 2.3.A. **Add** Proposed Product: Draper NEXD Manual Roller Shade Clutch.

ITEM 61 Section 233700 **–** LOUVERS
Not Accepted: Paragraph 2.11, Greenheck Model ESD-403

ITEM 62 Section 238143 **–** AIR-COOLED, VARIABLE REFRIGERANT FLOW, MULTI-UNIT HEAT PUMP
Not Accepted: Paragraph 2.1, Carrier VRF

QUESTIONS AND RESPONSES

ITEM 63 **Q**: Volume 2 of the specifications includes specification 31 23 19 Dewatering and specifies the requirements for a complete dewatering system. The geotechnical report (003100.1 and 003100.1.1) does not appear to show the presence of water that would require a dewatering system. Can the geotechnical information provided be relied upon in determining the need for a dewatering system? As such please confirm that based on the information available that a dewatering system is not required. **Response** from the civil engineering of record: Section 312319 is provided as a contingency. The contractor shall manage any water encountered within excavations.

ITEM 64 **Q:** The "square note" 8 on Drawing C01.01 indicates replace fire hydrant with new. Drawing C04.01 shows a new fire hydrant at the NW corner of the site (diamond note 16) but does not appear to show a new fire hydrant being installed where indicated on C01.01 (NE corner of the property). Please confirm location of the new fire hydrant(s). **Response** from the civil engineer of record**:** The new hydrant is installed at the same location as the existing hydrant. See revised sheet C04.01.

ITEM 65 **Q:** Drawing C04.01 appears to show a dashed line around each of the detention systems - this line is not labelled but initially could be assumed to be a perimeter drain based on callouts on the storm detail pages C05.05-C05.06. The plan view details on C05.05-C05.06 indicate a 6" underdrain, but it does not appear to fully surround the detention system like the dashed lines on C04.01 do. Please confirm the layout for these drains. **Response** from the Civil Engineer of record: The dashed line around each detention system is intended to show the limit of embedment backfill. Underdrain pipes are not graphically shown on C04.0, but shall be installed per the details on C05.05 and C05.06.

ITEM 66 Detail 1 on Drawing C05.01 shows 6" HMA over 8" CSBC over firm and unyielding native material or 12" minimum of structural fill. Contractor assumes existing native soils will meet compaction and will not require over excavation and import of new material. Please confirm. **Response** from the civil engineer of record: Correct, with the understanding that in-situ (in place) soil shall be protected from wet weather conditions and not allowed to become oversaturated.

ITEM 67 **Q:** Detail 2 on Drawing C05.01 shows 8" concrete over an 8" base course. Graphically, the concrete appears to be approximately twice as thick as the base course. Please confirm the callouts are correct for the 8" concrete over 8" base course. **Response** from the Civil Engineer of record: 8-inch aggregate base is correct regardless of how the NTS detail is graphically depicted.

ITEM 68 **Q:** See page 9 of 11 of the Geotechnical Evaluation dated October 20, 2023, provided in the supplemental documents Detail 1 on Drawing C05.01 shows 6" HMA over 8" CSBC

over firm and unyielding native material or 12" minimum of structural fill. Contractor assumes existing native soils will meet compaction and will not require over excavation and import of new material. Please confirm. **Response** from the civil engineer of record: Correct, with the understanding that in-situ (in place) soil shall be protected from wet weather conditions and not allowed to become oversaturated.

ITEM 69 **Q:** Specification Section 32 92 00 3.14 references seeded turf, sodded turf and hydroseed. Hydroseed appears to be the only turf type indicated to occur on the drawings - please confirm. **Response** from landscape architect of record**:** Hydroseed per drawings, no sod on this project. Maintenance is to include a one-year period from substantial completion. Section 320190 and 329200 were revised to clarify the maintenance period.

ITEM 70 **Q:** Keynote 5 on Drawing L01.00 is indicative of a "formal landscape bed area" where 9" of imported topsoil is to be installed. This keynote 5 is indicated at some of the planting areas on sheet L01.00 but omitted at others. Please confirm the imported soil depth for all planting areas is intended to be 9". **Response** from the Landscape Architect of record: typ." means “typical” (as in a typical condition) in the key notes section.

ITEM 71 **Q:** Detail 2 on Drawing L02.02 indicates a 6" base course beneath stamped concrete areas. Contractor assumes that this is only to apply to the stamped oval area on L1.01 and path to the South at the decorative axe area, and that all other concrete sidewalks are to receive a 1" base course per detail 2-18 on drawing C05.02. Please confirm. **Response** from the Landscape Architect of record: Correct, 6" depth in stamped paving areas, sidewalks per civil details.

ITEM 72 **Q:** 230000/1.9/A states in the first sentence: "HVAC contractor shall obtain the Mechanical Permit". It states in the second sentence: "The Mechanical Permit has been submitted and paid for by the Owner." Please define what "obtain" means as used in this section or otherwise confirm if HVAC Contractor or Owner is to submit, pay for or pick up the Mechanical Permit from the appropriate AHJ. **Response** from the Mechanical Engineer of record: “Obtain”, in this instance, means to pick-up from the AHJ as the second sentence indicates that the Owner has already submitted and paid for the permit.

ITEM 73 **Q**: Searching for sections 2822300 CCTV SYSTEM and 281300 IP ACCESS CONTROL SYSTEM. Response from the architect of record: The sections note above are not provided in the Project Manual as the design intent is to provide a “rough-in” system for future installation of these systems.

ITEM 74 **Q:** Request to have access to the CAD files to perform earth calculations. **Response:** We are not authorized to issue CAD files during the bidding phase for this project.

ATTACHMENTS

1. DOCUMENTS
    a. Section 077200 ROOF ACCESSORIES (3 pages)
    b. Section 087100 DOOR HARDWARE (pages 7-17)
    c. Section 320190 1 YEAR LANDSCAPE MAINTENANCE FOR ONE CALENDAR YEAR (5 pages)
    d. Section 329200 TURF AND GRASSES (11 pages)
    e. Substitution Requests (14 pages)

2. DRAWINGS
    a. Sheet C02.01- SITE PLAN (1 page)
    b. Sheet C03.01 – GRADING PLAN (1 page)
    c. Sheet C04.01 - UTILITY PLAN (1 page)
    d. Sheet C05.09 - MISC DETAILS (1 page)
    e. Sheet L01.00 - PLANTING PLAN (1 page)

f. Sheet L01.01 - FRONT PLAZA PLAN (1 page)
g. Sheet L03.00 - IRRIGATION PLAN (1 page)
h. Sheet A00.02 – DRAWING INDEX, GENERAL INFORMATION (1 page)
i. Sheet A01.01 – LIFE SAFETY PLAN (1 page)
j. Sheet A03.01 – ASSEMBLY TYPES (1 page)
k. Sheet A03.02 – ASSEMBLY TYPES (1 page)
l. Sheet A11.01 – SITE PLAN (1 page)
m. Sheet A22.01 – FLOOR PLAN – MAIN UPPER LEVEL – ANNOTATION (1 page)
n. Sheet A22.02 – FLOOR PLAN - UPPER LEVEL – ANNOTATION (1 page)
o. Sheet A22.03 – FLOOR PLAN – MAIN LEVEL – DIMENSION (1 page)
p. Sheet A22.04 – FLOOR PLAN – UPPER LEVEL – DIMENSION (1 page)
q. Sheet A24.01 – REFLECTED CEILING PLAN – MAIN LEVEL (1 page)
r. Sheet A24.02 – REFLECTED CEILING PLAN – UPPER LEVEL (1 page)
s. Sheet A26.01 – ENLARGED FLOOR PLANS (1 page)
t. Sheet A32.01 – BUILDING SECTIONS (1 page)
u. Sheet A32.02 – BUILDING SECTIONS (1 page)
v. Sheet A33.01 – WALL SECTIONS (1 page)
w. Sheet A33.02 – WALL SECTIONS (1 page)
x. Sheet A40.01 – STAIR PLANS & SECTIONS (1 page)
y. Sheet A41.01 – ELEVATOR & SLIDE POLE (1 page)
z. Sheet A50.01 – EXTERIOR PLAN DETAILS (1 page)
aa. Sheet A51.01 – EXTERIOR SECTION DETAILS (1 page)
bb. Sheet A51.02 – EXTERIOR SECTION DETAILS (1 page)
cc. Sheet A52.01 – ROOF DETAILS (1 page)
dd. Sheet A52.02 – ROOF DETAILS (1 page)
ee. Sheet A60.01 – DOOR SCHEDULES, DOOR & FRAME TYPES, INTERIOR DOOR DETAILS (1 page)
ff. Sheet A60.03 – EXTERIOR DOOR DETAILS (1 page)
gg. Sheet E00.01 – ELECTRICAL LEGEND GENERAL NOTES (1 page)
hh. Sheet E00.02 – SYSTEM LEGEND (1 page)
ii. Sheet E00.03 – LIGHT FIXTURE SCHEDULE, EXTERIOR LIGHTING SCHEDULE (1 page)
jj. Sheet E11.01 – ELECTRICAL SITE PLAN (1 page)
kk. Sheet E21.01 – LIGHTING PLAN – MAIN LEVEL (1 page)
ll. Sheet E41.01 – SYSTEMS PLAN – MAIN LEVEL (1 page)
mm. Sheet E41.02 – SYSTEMS PLAN – UPPER LEVEL (1 page)
nn. Sheet E61.00 – ONE-LINE DIAGRAM (1 page)

END OF ADDENDUM

SECTION 077200 - ROOF ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Manufactured curbs

1.2 RELATED REQUIREMENTS

A. 076200 - Sheet Metal Flashing and Trim: For formed metal roof accessories.

1.3 SUBMITTALS

A. Qualification Data: For manufacturer and installer.

B. Product Data: Provide product criteria, characteristics, accessories, jointing and flashing methods.

C. Shop Drawings: Indicate required flashings, curbs and conditions for tie into roofing membrane.

D. Manufacturer's Installation Instructions: Indicate special preparation of substrate, installation and attachment methods, and perimeter conditions requiring special attention.

E. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

F. Maintenance Data: For user's operation and maintenance of system including:
   1. Methods for maintaining system's operation and materials.
   2. Recommendations on maintenance schedule.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in the manufacture of work specified in this section with minimum 5 years of experience.

B. Installer Qualifications: Company specializing in performing the work of this section with minimum of 5 years of experience.

1.5 DELIVERY, STORAGE, AND HANDLING

A. As required by the manufacturer for a warrantable installation of the installed products to meet the Performance and Design Criteria.

1.6 WARRANTY

A. Installation Warranty: Contractor shall correct defective Work within a 2 year period after Date of Substantial Completion; remove and replace materials concealing waterproofing at no extra cost to Owner.

B. Manufacturer Warranty: Provide 2 year warranty for failing to resist penetration of water.

1.7 REFERENCE STANDARDS

A. 29 CFR 1910.29 - Fall Protection Systems and Falling Object Protection - Criteria and Practices; Current Edition.

PART 2 PRODUCTS

2.1 DESCRIPTION

A. Manufactured Curbs, and Other Roof Mounted Assemblies.

2.2 MATERIALS

A. Manufactured Curbs, and Other Roof Mounting Assemblies: Factory-assembled hollow sheet metal construction with fully mitered and welded corners, integral counterflashing, internal reinforcing, and top side and edges formed to shed water. Provide full depth manufactured curb to accommodate roof insulation depth and roofing requirements.

B. Factory-assembled hollow sheet metal construction with fully mitered and welded corners, integral counterflashing, internal reinforcing, and top side and edges formed to shed water.

2.3 ACCESSORIES

A. All accessory materials required by the manufacturer for a warrantable installation of the installed products in a manner that meets the Performance and Design Criteria.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify existing conditions meet the manufacturer's requirements before starting work.

3.2 PREPARATION

A. Prepare surfaces to receive work in accordance with manufacturer's instructions.

3.3 INSTALLATION

A. General: Install all materials in accordance with manufacturer's instructions based on conditions present.

3.4 ADJUSTING

A. Adjust and lubricate hardware for proper operation.

3.5 CLEANING

A. Remove protective material from prefinished aluminum surfaces.

B. Wash down exposed surfaces; wipe surfaces clean.

C. Remove excess sealant.

3.6 PROTECTION

A. Protect installed work as required by the manufacturer to maintain product performance, design criteria, and warranty.

END OF SECTION 077200

3.8 DOOR HARDWARE SCHEDULE

Legend:
Link to catalog cut sheet
Electrified Opening

Hardware Group No. 01

For use on Door #(s):
100A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	PA MOUNTING PLATE	4040XP-18PA		689	LCN
1	EA	BLADE STOP SPACER	4040XP-61		689	LCN
1	EA	PIVOT SET	7226 SET		626	IVE
2	EA	INTERMEDIATE PIVOT	7226 INT		626	IVE
1	EA	POWER TRANSFER	EPT10	✓	689	VON
1	EA	ELEC PANIC HARDWARE	QEL-35A-NL-OP-388 24 VDC	✓	626	VON
1	EA	RIM CYLINDER	1E72		626	BES
1	EA	90 DEG OFFSET PULL	8190HD 12" O		630	IVE
1	EA	OH STOP	100S		630	GLY
1	EA	SURFACE CLOSER	4040XP EDA		690	LCN
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	655A-223		A	ZER
			CARD READER - PROVIDED BY DIVISION 28	✓		
			POWER SUPPLY - WORK OF DIVISION 28			
			WEATHERSTRIP BY DOOR/FRAME MFR			

Hardware Group No. 02

For use on Door #(s):
100B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP			652	IVE
1	EA	POWER TRANSFER	EPT10		✓	689	VON
1	EA	ELEC PANIC HARDWARE	QEL-98-NL-OP-110MD 24 VDC		✓	626	VON
1	EA	RIM CYLINDER	1E72			626	BES
1	EA	90 DEG OFFSET PULL	8190HD 12" O			630	IVE
1	EA	SURFACE CLOSER	4040XP EDA			690	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS			630	IVE
1	EA	WALL STOP	WS406/407CCV			630	IVE
1	EA	GASKETING	50AA-S			AA	ZER
1	EA	DOOR SWEEP	39A			A	ZER
			CARD READER - PROVIDED BY DIVISION 28		✓		
			POWER SUPPLY - WORK OF DIVISION 28				

03

Hardware Group No. 03

For use on Door #(s):

101	114	115	116	117	118
119	120	121	122	123	124
206	207				

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	PRIVACY LOCK W/ OUTSIDE INDICATOR	ND40S RHO OS-LOC		626	SCH
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ		690	LCN
1	EA	KICK PLATE	8400 10" X 1" LDW B-CS		630	IVE
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	EA	GASKETING	488FSBK PSA		BK	ZER

DOOR 101, ADD COAT HOOK. PROVIDED BY DIV 10.

03

Hardware Group No. 04

For use on Door #(s):

102	~~103~~	108A	108B	~~131A~~	~~131B~~
~~145A~~	204	~~205A~~	205B	~~208~~	212

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	PASSAGE SET	ND10S RHO		626	SCH
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

Hardware Group No.**04.1**

For use on Door #(s):

125	**129**	**131A**	**131B**	**143**	**145A**
145B	**205A**	**208**			

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	**EA**	**HINGE**	**5BB1 4.5 X 4.5**		**652**	**IVE**
1	**EA**	**PASSAGE SET**	**ND10S RHO**		**626**	**SCH**
1	**EA**	**SURFACE CLOSER**	**4040XP REG OR PA AS REQ**		**689**	**LCN**
1	**EA**	**WALL STOP**	**WS406/407CCV**		**630**	**IVE**
3	**EA**	**SILENCER**	**SR64**		**GRY**	**IVE**

03

Hardware Group No. 05

For use on Door #(s):

105	106	107

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	ENTRANCE/OFFICE LOCK	ND50BDC RHO		626	SCH
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

03

Hardware Group No. 06

For use on Door #(s):

103	109	~~125~~	~~129~~	130	142
~~143~~	202	~~206~~	~~207~~		

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	STOREROOM LOCK	ND80BDC RHO		626	SCH
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ		690	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

DOORS 206 & 207, COAT HOOK PROVIDED BY DIV 10

Hardware Group No. 07

For use on Door #(s):

110

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	PASSAGE SET	ND10S RHO		626	SCH
1	EA	OH STOP	100S		630	GLY
3	EA	SILENCER	SR64		GRY	IVE

Hardware Group No. 08

For use on Door #(s):

111	112	126	127	128	144

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	PRIVACY LOCK W/ OUTSIDE INDICATOR	ND40S RHO OS-LOC		626	SCH
1	EA	SURFACE CLOSER	4040XP REG		690	LCN
1	EA	KICK PLATE	8400 10" X 1" LDW B-CS		630	IVE
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	EA	GASKETING	488FSBK PSA		BK	ZER
1	EA	COAT AND HAT HOOK	572		626	IVE

COAT HOOK PROVIDED BY DIV 10

03

Hardware Group No. 09

For use on Door #(s):

131C	138D	138H	141A	146	148

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP		630	IVE
1	EA	POWER TRANSFER	EPT10		689	VON
1	EA	ELEC PANIC HARDWARE	QEL-98-NL-OP-110MD 24 VDC		626	VON
1	EA	RIM CYLINDER	1E72		626	BES
1	EA	90 DEG OFFSET PULL	8190HD 12" O		630	IVE
1	EA	SURFACE CLOSER	4040XP EDA		690	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	EA	GASKETING	50AA-S		AA	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	655A-223		A	ZER
			CARD READER - PROVIDED BY DIVISION 28			
			POWER SUPPLY - WORK OF DIVISION 28			

Hardware Group No. 10

For use on Door #(s):

131D	138A	138B	138C	138E	138F
138G	139A	139B			

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	NOTE	HARDWARE BY DOOR SUPPLIER		

03

Hardware Group No. 11

For use on Door #(s):
132 133 136

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5		630	IVE
1	EA	POWER TRANSFER	EPT10		689	VON
1	EA	ELEC FIRE EXIT HARDWARE ~~(FIRE EXIT HARDWARE)~~	RX-98-L-F-M996-06-FS-CON ~~(98-L-F-06)~~		626	VON
1	EA	RIM CYLINDER	1E72		626	BES
1	EA	SURFACE CLOSER	4040XP EDA		690	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	EA	GASKETING	488FSBK PSA ~~(50AA-S)~~		BK ~~(AA)~~	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	545A-223		A	ZER
1	EA	WIRE HARNESS	CON-26P (POWER TRANSFER TO ELECTRIFIED HARDWARE)			SCH
1	EA	DOOR CONTACT	679-05		WHT	SCE
1	EA	POWER SUPPLY	PS902 900-2RS-FA 120/240 VAC		LGR	SCE
			CARD READER - PROVIDED BY DIVISION 28			

DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENTIAL WILL MOMENTARILY UNLOCK OUTSIDE LEVER. DOOR CONTACT TO MONITOR DOOR POSITION. RX TO SIGNAL VALID EGRESS. KEY OVERRIDE FROM SECURE SIDE. DOOR WILL UNLOCK ON FIRE ALARM OR LOSS OF POWER. FREE EGRESS AT ALL TIMES.

03

Hardware Group No. 12

For use on Door #(s):
134 135 210

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5			630	IVE
1	EA	STOREROOM LOCK	ND80BDC RHO			626	SCH
1	EA	ELECTRIC STRIKE	6210 FSE 12/16/24/28 VAC/VDC		✓	630	VON
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ			690	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS			630	IVE
1	EA	WALL STOP	WS406/407CCV			630	IVE
1	EA	GASKETING	488FSBK PSA			BK	ZER
			CARD READER - PROVIDED BY DIVISION 28		✓		
			POWER SUPPLY - WORK OF DIVISION 28				

Hardware Group No. 13

For use on Door #(s):
149

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
2	EA	MANUAL FLUSH BOLT	FB458		626	IVE
1	EA	DUST PROOF STRIKE	DP2		626	IVE
1	EA	STOREROOM LOCK	ND80BDC RHO		626	SCH
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ ACTIVE LEAF		690	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS		630	IVE
2	EA	WALL STOP	WS406/407CCV		630	IVE
2	EA	SILENCER	SR64		GRY	IVE

Hardware Group No. 14

For use on Door #(s):
150A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP			652	IVE
1	EA	POWER TRANSFER	EPT10		✓	689	VON
1	EA	ELEC PANIC HARDWARE	QEL-98-NL-OP-110MD 24 VDC		✓	626	VON
1	EA	RIM CYLINDER	1E72			626	BES
1	EA	90 DEG OFFSET PULL	8190HD 12" O			630	IVE
1	EA	SURFACE CLOSER	4040XP EDA			690	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS			630	IVE
1	EA	WALL STOP	WS406/407CCV			630	IVE
1	EA	GASKETING	488FSBK PSA			BK	ZER
			CARD READER - PROVIDED BY DIVISION 28		✓		
			POWER SUPPLY - WORK OF DIVISION 28				

Hardware Group No. 15

For use on Door #(s):
150B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER			FINISH	MFR
4	EA	HINGE	5BB1HW 4.5 X 4.5 NRP			630	IVE
1	EA	POWER TRANSFER	EPT10		✓	689	VON
1	EA	ELEC PANIC HARDWARE	QEL-98-NL-OP-110MD 24 VDC		✓	626	VON
1	EA	RIM CYLINDER	1E72			626	BES
1	EA	90 DEG OFFSET PULL	8190HD 12" O			630	IVE
1	EA	OH STOP	100S			630	GLY
1	EA	SURFACE CLOSER	4040XP EDA			690	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS			630	IVE
1	EA	GASKETING	50AA-S			AA	ZER
1	EA	DOOR SWEEP	39A			A	ZER
1	EA	THRESHOLD	655A-223			A	ZER
			CARD READER - PROVIDED BY DIVISION 28		✓		
			POWER SUPPLY - WORK OF DIVISION 28				

Hardware Group No. 18

For use on Door #(s):
~~203~~ 233 236

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5		652	IVE
1	EA	FIRE EXIT HARDWARE	98-L-BE-F-06		626	VON
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ		690	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	EA	GASKETING	488FSBK PSA		BK	ZER

Hardware Group No.18.1

For use on Door #(s):
203

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5		652	IVE
1	EA	FIRE EXIT HARDWARE	98-L-BE-F-RX996-06		626	VON
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ		690	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	EA	GASKETING	488FSBK PSA		BK	ZER
1	EA	PUSH BUTTON	623GREX DA 12/24 VDC		630	SCE
1	EA	POWER SUPPLY	PS902 900-2RS-FA 120/240 VAC		LGR	SCE

PER WAC REQUIREMENTS, PANIC DEVICE TO BE MOUNTED NO LESS THAT 5' AFF

DOOR NORMALLY CLOSED AND ELECTRICALLY LOCKED. BUILDING FIRE ALARM (REQUIREING RESPONSE) WILL RELEASE MAGNETIC LOCK. DEPRESING PULL SIDE LEVER WILL RELEASE MAGNETIC LOCK. PUSH BOTTON OVERRIDE WILL RELEASE MAGENTIC LOCK.DOOR WILL BE UNLOCKED ON FIRE ALARM OR LOSS OF POWER.

03

Hardware Group No. 19

For use on Door #(s):
214

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5		630	IVE
1	EA	STOREROOM LOCK	ND80BDC RHO		626	SCH
1	EA	OH STOP	100S		630	GLY
1	EA	SURFACE CLOSER	4040XP EDA		690	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	GASKETING	50AA-S		AA	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	655A-223		A	ZER

Hardware Group No. 20

For use on Door #(s):
151

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
8	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	POWER TRANSFER	EPT10	✓	689	VON
1	EA	MANUAL FLUSH BOLT	FB458		626	IVE
1	EA	EU STOREROOM LOCK	ND80BDCEU RHO CON 12V/24V DC	✓	626	SCH
1	EA	OH STOP & HOLDER	100H		630	GLY
1	EA	SURFACE CLOSER	4040XP SHCUSH		690	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS		630	IVE
4	EA	SILENCER	SR64		GRY	IVE
			CARD READER - PROVIDED BY DIVISION 28	✓		

DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENTIAL WILL MOMENTARILY UNLOCK OUTSIDE LEVER. KEY OVERRIDE FROM SECURE SIDE. DOOR WILL REMAIN LOCKED ON FIRE ALARM OR LOSS OF POWER. FREE EGRESS AT ALL TIMES

Hardware Group No.21

For use on Door #(s):
201 209

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	PA MOUNTING PLATE	4040XP-18PA		689	LCN
1	EA	BLADE STOP SPACER	4040XP-61		689	LCN
1	EA	PIVOT SET	7226 SET		BLK	IVE
1	EA	INTERMEDIATE PIVOT	7226 INT		BLK	IVE
1	EA	EXIT INDICATOR	4089		119	ADA
1	EA	MS1850S Series Deadlock	MS1850		BLK	ADA
1	EA	PUSH/PULL BAR	9190HD-28"-10"-NO		BLK	IVE
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ		622	LCN
1	EA	DOOR SWEEP	39BK		BK	ZER
1	EA	THRESHOLD	655BK-223		BK	ZER
			DOOR CONTACT(S) - PROVIDED BY DIV 28 COORDINATE WITH SECURITY-PREP DOOR(S) AND FRAME			

VERIFY STILE WIDTH, 5" REQUIRED FOR LATCHING HARDWARE

DOOR UNLOCKED DURING PRE-DETERMINED HOURS. WHEN LOCKED BY KEY, INDICATOR WILL SHOW "LOCKED". DOOR CONTACT TO MONITOR DOOR POSTION.

END OF SECTION 087100

03

320190 1 YEAR LANDSCAPE MAINTENANCE

SECTION 329113 – ~~LANDSCAPE MAINTENANCE FOR ONE CALENDAR YEAR~~

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes requirements for 1-year landscape maintenance for the following:

1. Watering plants and grass.

1. Monitoring adjustment and minor repair of the landscape irrigation system.

2. Mowing, edging and trimming of lawn areas.

3. Monitoring, fertilizing, weeding, and cultivating of lawn areas.

4. Pruning and trimming of plant material.

5. Weed, cultivating and cleaning of planting beds.

6. Application of fertilizers, insecticides, and herbicides.

7. General site clean up; removal of trash and products of maintenance.

8. Replacement of trees, shrubs, groundcovers, sod and hydromulch.

9. Sediment removal from high water.

10. Extra services as needed.

B. Related Sections

1. Turfs and Grasses - Section 329200

2. Trees, Shrubs, and Ground Covers - Section 329300

3. Planting Irrigation Systems – Section 328400

4. Site Furnishings - 323300

1.2 DEFINITIONS

A. Backfill: The earth used to replace or the act of replacing earth in an excavation.

B. Finish Grade: Elevation of finished surface of planting soil.

C. Manufactured Topsoil: Soil produced off-site by homogeneously blending mineral soils or sand with stabilized organic soil amendments to produce topsoil or planting soil.

D. Planting Soil: Native or imported topsoil, manufactured topsoil, or surface soil modified to become topsoil; mixed with soil amendments.

E. Subgrade: Surface or elevation of subsoil remaining after completing excavation, or top surface of a fill or backfill, before placing planting soil.

F. Subsoil: All soil beneath the topsoil layer of the soil profile and typified by the lack of organic matter and soil organisms.

1.3 SCOPE OF SERVICES

A. All services not covered under this contract shall be considered "extra services" and will be charged for separately according to the nature of the item of work. The consent and authorization of the Owner or their authorized representative must be obtained prior to the performance or installation of such "extra services" items and prior to purchase of any chargeable materials.

B. Plant replacements as a result of flood damage are not considered a warranty requirement.

C. Maintenance period shall begin upon inspection and approval at Substantial Completion by phase and shall be for one calendar year from Substantial Completion.

D. Sprinkler Irrigation System: Maintenance of the sprinkler irrigation system shall consist of monitoring and adjustment of the duration and frequency of the watering schedule, adjustment of heads for coverage and elevation, repair of leaks in both mains and lateral lines and all other work required to establish a complete working sprinkler irrigation system.

E. Trees, Shrubs, Groundcovers and Vines: Maintenance of new planting shall consist of watering, cultivating, weeding, mulching, re-staking, tightening and repairing of guys, resetting plants to proper grades or upright position, restoration of the planting saucer, and furnishing and applying such sprays and invigorants as are necessary to keep the plantings free of insects and disease and in thriving condition.

F. Lawns: Maintenance of new lawns shall consist of mowing, edging, raking, watering, weeding, fertilizing, and repair of all erosion, reseeding and resodding as necessary, to establish a uniform stand of the specified grasses.

1.4 PROTECTION

A. Protect planting areas and lawns at all times against damage of all kinds for duration of maintenance period. Maintenance includes temporary protection fences, barriers and signs as required for protection. If any plants become damaged or injured, because sufficient protection was not provided, treat or replace as directed by Owner at no additional cost to Owner.

1.5 NEGLECT AND VANDALISM

A. Turf, shrubs, trees or plants that are damaged or killed due to contractor’s operations, negligence or chemicals shall be replaced at no expense to the Owner.

B. Sprinklers or structures that are damaged due to the contractor's operations must be replaced by the contractor promptly. All man-made water damage, resulting from Contractor's neglect shall be corrected at Contractor's expense.

C. All damage to or thefts of landscaping and irrigation installations not caused or allowed by the contractor shall be corrected by the contractor at the Owner's expense upon receipt of written authorization to proceed.

1.6 FINAL ACCEPTANCE

A. Work under this Section will be accepted by Owner's representative upon satisfactory completion of all work, including maintenance, but exclusive of the required guaranteed sprinkler irrigation obligations, replacement of plant materials and lawns under the Warranty Period. Upon Final Acceptance, the Owner will assume responsibility for maintenance.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Fertilizers, soil amendments, equipment, or other materials required for installed items shall match those already in use.

B. Samples of all materials not specified under other Sections of these Specifications shall be submitted for review by Owner's representative prior to use.

PART 3 - EXECUTION

3.1 REQUIRED EQUIPMENT

A. Employ the necessary maintenance equipment.

3.2 WATERING

A. It shall be the responsibility of the Contractor to assure that the correct watering of plant materials is being accomplished through the following irrigation services:

1. Regular deep watering to all new trees until there are definite signs that the trees have established themselves and new growth is apparent. Deep watering shall be accomplished with hoses and water truck equipment.

2. Frequent watering to the lawn areas to insure against drying. This may be accomplished as above, by hand watering or portable sprinklers.

3.3 LANDSCAPE IRRIGATION SYSTEM

A. Monitor and program the automatic controlling devices to provide optimum moisture levels in all planted areas.

1. Irrigation cycles shall be set to take place prior to sunrise (usually 4:00 - 5:00 am) unless otherwise instructed by the Owner, except during visits of grounds maintenance personnel; during such visits the irrigation system may be operated as desired by those personnel.

2. If there is more than one irrigation controller, do not program to water during the same time period as over-draft of water meters will result. Set controllers so that one finishes watering cycle before next starts watering cycle. During periods of high rainfall, set controllers to "dry mode" until irrigation is needed. Do not switch controller to "off", as this will stop time clock.

3. Complete sprinkler system servicing shall be performed as required to maintain sprinklers in correct operating condition, including all required labor. Operation of sprinklers shall be monitored on a bi-monthly basis to assure proper cover and operation.

4. Adjust sprinklers to avoid damage to windows and buildings. Make repairs and alterations to the sprinkling system and water lines. All sprinkler repairs such as cleaning of heads or breaks caused by the Contractor shall be the Contractor's responsibility.

5. Perform minor additions, subtractions and/or adjustments to irrigation equipment (i.e., addition of spray head or riser extension) as may be required to conform to the irrigation requirements herein specified. Such additions, subtractions and/or realignments to irrigation system equipment shall not materially reduce the extent or value of the irrigation system equipment and shall be accomplished after securing approval of the Owner.

6. Supplemental irrigation beyond that which can be provided by the irrigation system shall be provided by the grounds maintenance firm as required to assure optimum moisture levels.

3.4 MAINTENANCE OF TURF AREAS

A. Mowing lawn/grass areas shall be accomplished with sharp, properly adjusted mowers of the correct size for the various areas. Hand mowing might be required for some areas.

B. Mowing frequency shall be as per the Landscape Maintenance Program. Blade heights shall be set according to the following schedule: 2 Inches Initial Mowing, 2-1/2 Inches April - November

C. In the event of a prolonged rainy period and a surge of leaf growth is anticipated, the mower height may be re-adjusted to prevent "scalping" or skinning of lawn on preceding cuts.

D. Lawn shall be edged evenly at all walks, headers, and other structures as per Landscape Maintenance Program.

E. Until the establishment of the turf, the Contractor will be responsible for replacing soils that have eroded onto the paved areas. Residual soils on paving will be removed and if not mingled with objectionable materials, may be re-used in eroded areas.

F. Immediately upon observing any lawn grass spreading into shrub or groundcover areas, the Contractor shall initiate a program of mechanical removal and maintain this program throughout the maintenance period.

G. Any lawn grass appearing in paved areas shall receive an application of soil sterilant according to manufacturer's direction. The sterilant shall be approved and will not be detrimental structurally to paved areas.

H. Removal of debris from the site unrelated to horticultural maintenance (paper, bottles, cans, "Pirate" signs, etc.) shall be the responsibility of the maintenance Contractor and limited to areas designated. Dispose of all items offsite legally.

3.5 MAINTENANCE OF TREES, SHRUBS, AND GROUNDCOVERS

A. Contractor shall adjust and tighten as required all tree staking and guying. Removal as directed by Owner's Representative.

B. Contractor shall deep water all new trees until there are definite signs the trees have established themselves and are pushing out new growth.

C. Watering basins shall be removed by Contractor after the trees have established themselves or as directed by Owner's representative. Basins are normally removed one year from time of planting.

D. Contractor shall be continuously alert for signs of insect presence or damage or the presence or damage from plant fungi. Upon locating such evidence, the Contractor shall report it to the Owner's representative and take action as directed.

3.6 MAINTENANCE FREQUENCY SCHEDULE

A. Mowing, Edging, Trimming, Litter Cleanup, and Watering Monitoring: Two visits per month for the first calendar year ~~90 days~~ after substantial completion.

B. Top-dress Fertilizer: Thirty days after seeding and/or sodding.

C. Mulching, Weeding, Weed Control, and Guying Adjustment: As required each visit.

D. Reseeding: As required upon notice.

E. Tree and Plant Replacement: As required each visit.

F. Trash and Debris Removal: Collect all trash and debris at each visit and dispose of off-site legally.

END OF SECTION - 320190

SECTION 329200 - TURF AND GRASSES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes: ~~Seeding,~~ Hydroseeding, ~~Sodding,~~ ~~Plugging,~~ ~~Sprigging,~~ Turf renovation, Erosion-control materials.

B. Related Requirements:

1. Section 329300 "Plants" for trees, shrubs, ground covers, and other plants as well as border edgings and mow strips.

1.3 DEFINITIONS

A. Finish Grade: Elevation of finished surface of planting soil.

B. Pesticide: A substance or mixture intended for preventing, destroying, repelling, or mitigating a pest. Pesticides include insecticides, miticides, herbicides, fungicides, rodenticides, and molluscicides. They also include substances or mixtures intended for use as a plant regulator, defoliant, or desiccant.

C. Pests: Living organisms that occur where they are not desired or that cause damage to plants, animals, or people. Pests include insects, mites, grubs, mollusks (snails and slugs), rodents (gophers, moles, and mice), unwanted plants (weeds), fungi, bacteria, and viruses.

D. Planting Soil: Existing, on-site soil; imported soil; or manufactured soil that has been modified with soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth. See Section 329113 Soil Preparation and drawing designations for planting soils.

E. Subgrade: The surface or elevation of subsoil remaining after excavation is complete, or the top surface of a fill or backfill before planting soil is placed. Insert other definitions if required to support planting requirements indicated on Drawings.

1.4 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site or other agreed upon location.

B. Conduct with owner’s representative, project engineer and architect prior to commencing construction activities.

C. Contractor to send electronic meeting minute summary of pre-installation conference to all attendees within one week of meeting conclusion.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For landscape Installer.

B. Certification of Grass Seed: From seed vendor for each grass-seed monostand or mixture, stating the botanical and common name, percentage by weight of each species and variety, and percentage of purity, germination, and weed seed. Include the year of production and date of packaging.

1. Certification of seed mixture for turfgrass sod. Include identification of source and name and telephone number of supplier.

C. Product Certificates: For fertilizers, from manufacturer.

D. Pesticides and Herbicides: Product label and manufacturer's application instructions specific to Project.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: Recommended procedures to be established by Owner for maintenance of turf during a calendar year. Submit before expiration of required maintenance periods. See Irrigation Section 328400 and other sections for additional requirements.

1.7 QUALITY ASSURANCE

A. Installer Qualifications: A qualified landscape installer whose work has resulted in successful turf establishment.

1. Experience: Five years' experience in turf installation in addition to requirements in Section 014000 Quality Requirements.

2. Installer's Field Supervision: Require Installer to maintain an experienced full-time supervisor on Project site when work is in progress.

1.8 Pesticide Applicator: State licensed, commercial.

~~1.9 DELIVERY, STORAGE, AND HANDLING~~

~~A. Seed and Other Packaged Materials: Deliver packaged materials in original, unopened containers showing weight, certified analysis, name and address of manufacturer, and indication of compliance with state and Federal laws, as applicable.~~

~~B. Sod: Harvest, deliver, store, and handle sod according to requirements in "Specifications for Turfgrass Sod Materials" and "Specifications for Turfgrass Sod Transplanting and Installation" sections in TPI's "Guideline Specifications to Turfgrass Sodding." Deliver sod within 24 hours of harvesting and in time for planting promptly. Protect sod from breakage and drying.~~

C. Bulk Materials:

1. Do not dump or store bulk materials near structures, utilities, walkways and pavements, or on existing turf areas or plants.

2. Provide erosion-control measures to prevent erosion or displacement of bulk materials; discharge of soil-bearing water runoff; and airborne dust reaching adjacent properties, water conveyance systems, or walkways.

3. Accompany each delivery of bulk materials with appropriate certificates.

1.10 FIELD CONDITIONS

A. Seeding Restrictions: Contractor to apply hydroseed for fine lawn areas between April 1st and October 1st. If hydroseeding is applied after these dates contractor to apply an additional re-spray of fine lawns areas with the same hydroseed mixture, at the same rate as required by owner in the specified seeding window.

B. Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit planting to be performed when beneficial and optimum results may be obtained. Apply products during favorable weather conditions according to manufacturer's written instructions.

PART 2 - PRODUCTS

~~2.1 SEED~~

~~A. Grass Seed: Fresh, clean, dry, new-crop seed complying with AOSA's "Rules for Testing Seeds" for purity and germination tolerances.~~

~~B. Seed Species:~~

~~1. Quality, State-Certified: State-certified seed of grass species as listed below for solar exposure.~~

~~2. Quality, Non-State-Certified: Seed of grass species as listed below for solar exposure, with not less than 85 percent germination, not less than 95 percent pure seed, and not more than .3 percent weed seed~~

~~3. Provide hydroseeding type and rate per contract documents.~~

~~4. Provide owner's representative with supplier name, location, hydroseed mixture and application rate to be applied a minimum one week before install date.~~

2.2 TURFGRASS HYDROSEED LAWN

A. Hydroseed Lawn: Provide Country Green Turf Farms (800-300-1763) Perfect Sod Seed Mixture or approved equal.

2.3 FERTILIZERS

A. Commercial Fertilizer: Commercial-grade complete fertilizer of neutral character, consisting of fast- and slow-release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous, and potassium in the following composition:

1. Composition:

a. 1 lb/1000 sq. ft. of actual nitrogen, 4 percent phosphorous, and 2 percent potassium, by weight.

b. Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a qualified soil-testing laboratory.

B. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus, and potassium in the following composition:

1. Composition:

a. 20 percent nitrogen, 10 percent phosphorous, and 10 percent potassium, by weight.

b. Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a qualified soil-testing laboratory.

2.4 MULCHES

A. Straw Mulch: Provide air-dry, clean, mildew- and seed-free, salt hay or threshed straw of wheat, rye, oats, or barley.

B. Sphagnum Peat Mulch: Partially decomposed sphagnum peat moss, finely divided or of granular texture, and with a pH range of 3.4 to 4.8.

C. Muck Peat Mulch: Partially decomposed moss peat, native peat, or reed-sedge peat, finely divided or of granular texture, with a pH range of 6 to 7.5, and having a water-absorbing capacity of 1100 to 2000 percent, and containing no sand.

D. Compost Mulch: Well-composted, stable, and weed-free organic matter, pH range of 5.5 to 8; moisture content 35 to 55 percent by weight; 100 percent passing through 1-inch sieve; soluble salt content of 2 to 5 decisiemens/m; not exceeding 0.5 percent inert contaminants and free of substances toxic to plantings; and as follows:

1. Organic Matter Content: 50 to 60 percent dry weight.

2. Feedstock: Agricultural, food, or industrial residuals; biosolids; yard trimmings; or source-separated or compostable mixed solid waste.

3. Fiber Mulch: Biodegradable, dyed-wood, cellulose-fiber mulch; nontoxic and free of plant-growth or germination inhibitors; with a maximum moisture content of 15 percent and a pH range of 4.5 to 6.5.

4. Non-asphaltic Tackifier: Colloidal tackifier recommended by fiber-mulch manufacturer for slurry application; nontoxic and free of plant-growth or germination inhibitors.

5. Asphalt Emulsion: ASTM D977, Grade SS-1; nontoxic and free of plant-growth or germination inhibitors.

2.5 PESTICIDES

A. General: Pesticide, registered and approved by the EPA, acceptable to authorities having jurisdiction, and of type recommended by manufacturer for each specific problem and as required for Project conditions and application. Do not use restricted pesticides unless authorized in writing by authorities having jurisdiction.

B. Pre-Emergent Herbicide (Selective and Nonselective): Effective for controlling the germination or growth of weeds within planted areas at the soil level directly below the mulch layer.

C. Post-Emergent Herbicide (Selective and Nonselective): Effective for controlling weed growth that has already germinated.

2.6 EROSION-CONTROL MATERIALS

A. Erosion-Control Blankets: Biodegradable wood excelsior, straw, or coconut-fiber mat enclosed in a photodegradable plastic mesh. Include manufacturer's recommended steel wire staples, 6 inches long.

B. Erosion-Control Fiber Mesh: Biodegradable burlap or spun-coir mesh, a minimum of 0.92 lb/sq. yd., with 50 to 65 percent open area. Include manufacturer's recommended steel wire staples, 6 inches long.

C. Erosion-Control Mats: Cellular, nonbiodegradable slope-stabilization mats designed to isolate and contain small areas of soil over steeply sloped surface, of 4-inch nominal mat thickness. Include manufacturer's recommended anchorage system for slope conditions.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas to be planted for compliance with requirements and other conditions affecting installation and performance of the Work.

1. Verify that no foreign or deleterious material or liquid such as paint, paint washout, concrete slurry, concrete layers or chunks, cement, plaster, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, or acid has been deposited in soil within a planting area. Notify owner’s representative if these items or conditions are found.

2. Suspend planting operations during periods of excessive soil moisture until the moisture content reaches acceptable levels to attain the required results.

3. Uniformly moisten excessively dry soil that is not workable or which is dusty.

B. Proceed with installation only after unsatisfactory conditions have been corrected and with approval of owner’s representative.

C. If contamination by foreign or deleterious material or liquid is present in soil within a planting area, remove the soil and contamination as directed by Architect and replace with new planting soil.

3.2 PREPARATION

A. Protect structures; utilities; sidewalks; pavements; and other facilities, trees, shrubs, and plantings from damage caused by planting operations.

1. Protect adjacent and adjoining areas from hydroseeding and hydromulching overspray.

2. Protect grade stakes set by others until directed to remove them.

B. Install erosion-control measures to prevent erosion or displacement of soils and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways.

3.3 TURF AREA PREPARATION

A. General: Prepare planting area for soil placement and mix planting soil according to Section 329113 Soil Preparation.

B. Placing Planting Soil: Place manufactured planting soil over amended subgrade

1. Reduce elevation of planting soil to allow for soil thickness of sod.

C. Moisten prepared area before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.

D. Before planting, obtain Architect's acceptance of finish grading; restore planting areas if eroded or otherwise disturbed after finish grading.

3.4 PREPARATION FOR EROSION-CONTROL MATERIALS

A. For erosion-control mats, install planting soil in two lifts, with second lift equal to thickness of erosion-control mats. Install erosion-control mat and fasten as recommended by material manufacturer.

B. Fill cells of erosion-control mat with planting soil and compact before planting.

C. For erosion-control blanket or mesh, install from top of slope, working downward, and as recommended by material manufacturer for site conditions. Fasten as recommended by material manufacturer.

D. Moisten prepared area before planting if surface is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.

~~3.5 SEEDING~~

~~A. Sow seed with spreader or seeding machine. Do not broadcast or drop seed when wind velocity exceeds 8 mph.~~

~~1. Evenly distribute seed by sowing equal quantities in two directions at right angles to each other.~~

~~2. Do not use wet seed or seed that is moldy or otherwise damaged.~~

3. Do not seed against existing trees. Limit extent of seed to outside edge of planting saucer.

B. Sow seed at manufacturer's recommended rate(s).

C. Rake seed lightly into top 1/8 inch of soil, roll lightly, and water with fine spray.

D. Protect seeded areas with slopes at or exceeding 1:3 with erosion-control blankets installed and stapled according to manufacturer's written instructions.

E. Protect seeded areas with erosion-control mats where indicated on Drawings; install and anchor according to manufacturer's written instructions.

F. Protect seeded areas with slopes not exceeding 1:6 by spreading straw mulch. Spread uniformly at a minimum rate of 2 tons/acre to form a continuous blanket of 1-1/2 inches in loose thickness over seeded areas. Spread by hand, blower, or other suitable equipment.

1. Anchor straw mulch by crimping into soil with suitable mechanical equipment.

2. Bond straw mulch by spraying with asphalt emulsion at a rate of 10 to 13 gal./1000 sq. ft. Take precautions to prevent damage or staining of structures or other plantings adjacent to mulched areas. Immediately clean damaged or stained areas.

G. Protect seeded areas from hot (over 85 degrees), dry weather or drying winds by applying planting soil within 24 hours after completing seeding operations. Soak areas, scatter mulch uniformly to a thickness of 3/16 inch and roll surface smooth.

3.6 HYDROSEEDING

A. Hydroseeding: Mix specified seed, commercial fertilizer slow-release fertilizer and fiber mulch in water, using equipment specifically designed for hydroseed application. Continue mixing until uniformly blended into homogeneous slurry suitable for hydraulic application.

1. Mix slurry with fiber-mulch and manufacturer's recommended tackifier.

2. Spray-apply slurry uniformly to all areas to be seeded in a one-step process. Apply slurry at a rate so that mulch component is deposited at not less than 1500-lb/acre dry weight, and seed component is deposited at not less than the specified seed-sowing rate.

3. Spray-apply slurry uniformly to all areas to be seeded in a two-step process. Apply first slurry coat at a rate so that mulch component is deposited at not less than 500-lb/acre dry weight, and seed component is deposited at not less than the specified seed-sowing rate. Apply slurry cover coat of fiber mulch (hydromulching) at a rate of 1000 lb/acre.

4. Apply hydroseed mixture(s) per rates recommended by manufacture.

3.7 SODDING

A. Lay sod within 24 hours of harvesting unless a suitable preservation method is accepted by Architect prior to delivery time. Do not lay sod if dormant or if ground is frozen or muddy.

B. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod; do not stretch or overlap. Stagger sod strips or pads to offset joints in adjacent courses. Avoid damage to soil or

~~sod during installation. Tamp and roll lightly to ensure contact with soil, eliminate air pockets, and form a smooth surface. Work sifted soil or fine sand into minor cracks between pieces of sod; remove excess to avoid smothering sod and adjacent grass.~~

~~1. Lay sod across slopes exceeding 1:3.~~

~~2. Retain subparagraph below if required. Steel staple anchors are commonly used.~~

~~3. Anchor sod on slopes exceeding 1:6 with wood pegs or steel staples spaced as recommended by sod manufacturer but not less than two anchors per sod strip to prevent slippage.~~

~~C. Saturate sod with fine water spray within two hours of planting. During first week after planting, water daily or more frequently as necessary to maintain moist soil to a minimum depth of 1-1/2 inches below sod.~~

~~3.8 PLUGGING~~

~~A. Plant plugs in holes or furrows, spaced 12 inches apart in both directions. On slopes, contour furrows to near level.~~

3.9 TURF RENOVATION

A. Renovate existing turf where indicated.

1. Renovate turf damaged by Contractor's operations, such as storage of materials or equipment and movement of vehicles.

2. Reestablish turf where settlement or washouts occur or where minor re-grading is required.

B. Install and grade new planting soil as required.

C. Remove sod and vegetation from diseased or unsatisfactory turf areas; do not bury in soil.

D. Remove topsoil containing foreign materials, such as oil drippings, fuel spills, stones, gravel, and other construction materials resulting from Contractor's operations, and replace with new planting soil.

E. Mow, dethatch, core aerate, and rake existing turf.

F. Remove weeds before seeding. Where weeds are extensive, apply selective herbicides as required. Do not use pre-emergence herbicides.

G. Remove waste and foreign materials, including weeds, soil cores, grass, vegetation, and turf, and legally dispose of them off Owner's property.

H. Till stripped, bare, and compacted areas thoroughly to a soil depth of 6 inches.

I. Apply soil amendments and initial fertilizer required for establishing new turf and mix thoroughly into top 4 inches of existing soil. Install new planting soil to fill low spots and meet finish grades.

1. Soil Amendment(s): See landscape notes on plans and Section 329113 Soil Preparation.

2. Initial Fertilizer: Commercial fertilizer and Slow-release fertilizer are to be applied according to manufacturer's recommendations.

J. Apply seed and protect with straw mulch as required for new turf.

K. Water newly planted areas and keep moist until new turf is established.

3.10 TURF MAINTENANCE

A. General: Maintain and establish turf by watering, fertilizing, weeding, mowing, trimming, replanting, and performing other operations as required to establish healthy, viable turf. Roll, regrade, and replant bare or eroded areas and re-mulch to produce a uniformly smooth turf. Provide materials and installation the same as those used in the original installation.

1. Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace materials and turf damaged or lost in areas of subsidence.

2. In areas where mulch has been disturbed by wind or maintenance operations, add new mulch and anchor as required to prevent displacement.

3. Apply treatments as required to keep turf and soil free of pests and pathogens or disease. Use integrated pest management practices whenever possible to minimize the use of pesticides and reduce hazards.

B. Watering: Install and maintain temporary piping, hoses, and turf-watering equipment to convey water from sources and to keep turf uniformly moist to a depth of 4 inches where irrigation is not installed.

1. Schedule watering to prevent wilting, puddling, erosion, and displacement of seed or. Lay out temporary watering system to avoid walking over muddy or newly planted areas.

2. Water turf with fine spray at a minimum rate of 1 inch per week unless rainfall precipitation is adequate.

C. Mow turf as soon as top growth is tall enough to cut. Repeat mowing to maintain specified height without cutting more than one-third of grass height. Remove no more than one-third of grass-leaf growth in initial or subsequent mowings. Do not delay mowing until grass blades bend over and become matted. Do not mow when grass is wet or under frozen conditions.

D. Turf Postfertilization: Apply commercial fertilizer and slow-release fertilizer after initial mowing and when grass is dry.

1. Use fertilizer that provides actual nitrogen of at least 1 lb/1000 sq. ft. to turf area.

3.11 SATISFACTORY TURF

A. Turf installations shall meet the following criteria as determined by Architect:

1. Satisfactory Seeded Turf: At end of maintenance period, a healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities, with coverage exceeding 90 percent over any 10 sq. ft. and bare spots not exceeding 5 by 5 inches.

2. ~~Satisfactory Sodded Turf: At end of maintenance period, a healthy, well-rooted, even-colored, viable turf has been established, open joints, bare areas, and surface irregularities.~~

3. ~~Satisfactory Plugged Turf: At end of maintenance period, the required number of plugs has been established as well-rooted, viable patches of grass, and areas between plugs are free of weeds and other undesirable vegetation.~~

4. ~~Satisfactory Sprigged Turf: At end of maintenance period, the required number of sprigs has been established as well-rooted, viable plants, and areas between sprigs are free of weeds and other undesirable vegetation.~~

B. Use specified materials to reestablish turf that does not comply with requirements and continue maintenance until turf is satisfactory.

3.12 PESTICIDE APPLICATION

A. Apply pesticides and other chemical products and biological control agents according to requirements of authorities having jurisdiction and manufacturer's written recommendations. Coordinate applications with Owner's operations and others in proximity to the Work. Notify Owner before each application is performed.

B. Post-Emergent Herbicides (Selective and Nonselective): Apply only as necessary to treat already-germinated weeds and according to manufacturer's written recommendations.

3.13 CLEANUP AND PROTECTION

A. Promptly remove soil and debris created by turf work from paved areas. Clean wheels of vehicles before leaving site to avoid tracking soil onto roads, walks, or other paved areas.

B. Remove surplus soil and waste material, including excess subsoil, unsuitable soil, trash, and debris, and legally dispose of them off Owner's property.

C. Erect temporary fencing or barricades and warning signs as required to protect newly planted areas from traffic. Maintain fencing and barricades throughout initial maintenance period and remove offsite after plantings are established.

D. Remove nondegradable erosion-control measures after grass establishment period.

3.14 MAINTENANCE SERVICE

A. Turf Maintenance Service: Provide full maintenance by skilled employees of landscape Installer. Maintain as required in "Turf Maintenance" Article. Begin maintenance immediately after each area is planted and continue until acceptable turf is established, but for not less than the following periods:

1. Seeded or Sodded Turf: ~~90 days~~ One calendar year from date of owner’s Substantial Completion acceptance.

    a. When initial maintenance period has not elapsed before end of planting season, or if turf is not fully established, continue maintenance during next planting season.

END OF SECTION - 329200

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: Metal Sales Manufacturing Corporation

We hereby submit for consideration the following product instead of specified item for above project:

Section No.	Paragraph	Specified Item
074113-3	2.4	AEP Design Span HP 22ga 18" wide PVDF Slate Grey

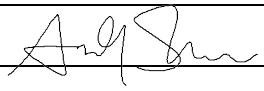
Proposed Substitution: Metal Sales Vertical Seam 22ga 18" wide PVDF Slate Grey

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
N/A No. 2: Drawings showing dimensional changes and other change to drawings.
N/A No. 3: Complete description of all changes to specifications.
N/A No. 4: Description of effect on other trades, other contracts, and contract completion date.
N/A No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address.
N/A No. 7: Cost impact.

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Andy Shofner TSM/BDM Metal Sales Manufacturing Corp

Date 09/10/25 Phone 253-228-2013 Signature 

Acceptance by Architect:

By: Howard Struve
Date: 9/19/25
Remarks:

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: The Bryer Company: Manufacturer

We hereby submit for consideration the following product instead of specified item for above project:

Section No. 07 42 13 Paragraph 2.4 A Specified Item Design Span by ASC

Proposed Substitution: TBC ULTRA

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data. Attached
No. 2: Drawings showing dimensional changes and other change to drawings. Same Dimensions
No. 3: Complete description of all changes to specifications. N/A
No. 4: Description of effect on other trades, other contracts, and contract completion date. N/A
No. 5: List of differences between proposed and specified items. Different manufacturer only
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address. Attached
No. 7: Cost impact. Same/similar

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Chris Hagen The Bryer Company

Date 9/10/2025 Phone 206.635.6234 Signature Chris Hagen

Acceptance by Architect:

By: Howard Struve
Date: 9/18/2025
Remarks:

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

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012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: Metal Sales Manufacturing Corporation

We hereby submit for consideration the following product instead of specified item for above project:

Section No.	Paragraph	Specified Item
074213-4	2.4	Taylor Metals Contour Reveal 12" wide Metallic Silver

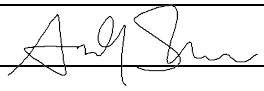
Proposed Substitution: Metal Sales Empire EM15 Series 24ga or 22ga 12" wide PVDF Metallic Silver

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
N/A No. 2: Drawings showing dimensional changes and other change to drawings.
N/A No. 3: Complete description of all changes to specifications.
N/A No. 4: Description of effect on other trades, other contracts, and contract completion date.
N/A No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address.
N/A No. 7: Cost impact.

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Andy Shofner TSM/BDM Metal Sales Manufacturing Corp

Date 09/10/25 Phone 253-228-2013 Signature 

Acceptance by Architect:

By: Howard Struve
Date: 9/19/25
Remarks: Architect to select from full range of manufacturer's colors, if necessary.

~~Accepted~~
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: AEP Span

We hereby submit for consideration the following product instead of specified item for above project:

Section No.	Paragraph	Specified Item
074213	2.4 A	Taylor Metal Contour Reveal

Proposed Substitution:

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
No. 2: Drawings showing dimensional changes and other change to drawings.
No. 3: Complete description of all changes to specifications.
No. 4: Description of effect on other trades, other contracts, and contract completion date.
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address.
No. 7: Cost impact.

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Jim Moreland AEP Span

Date_____ Phone_____ Signature_____

Acceptance by Architect:

By: Howard Struve
Date: 9/19/25
Remarks: Architect to select from full range of manufacturer's colors, if necessary.

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: The Bryer Company (manufacturer)

We hereby submit for consideration the following product instead of specified item for above project:

Section No. 07.42.13 Paragraph 2.4 A Specified Item Taylor Contour Reveal

Proposed Substitution: TBC Axis F66

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data. Attached
No. 2: Drawings showing dimensional changes and other change to drawings. N/A
No. 3: Complete description of all changes to specifications. N/A
No. 4: Description of effect on other trades, other contracts, and contract completion date. N/A
No. 5: List of differences between proposed and specified items. Different manufacturer only
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address. Attached
No. 7: Cost impact. Same/similar

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Chris Hagen The Bryer Company

Date 9/11/2025 Phone 206.635.6234 Signature Chris Hagen

Acceptance by Architect:

By: Howard Struve
Date: 9/19/25
Remarks: Architect to select from full range of manufacturer's colors, if necessary.

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

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012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: _____

We hereby submit for consideration the following product instead of specified item for above project:

Section No. 86200 Paragraph 2.1 Specified Item Skylight

Proposed Substitution: Additional Skylight Manufacturer

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
NA No. 2: Drawings showing dimensional changes and other change to drawings.
NA No. 3: Complete description of all changes to specifications.
NA No. 4: Description of effect on other trades, other contracts, and contract completion date.
NA No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address. Attached
No. 7: Cost impact.

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Joshua Sucher

Date 9/11/2025 Phone 316-347-1766 Signature Joshua Sucher

Acceptance by Architect:

By: Howard Struve
Date: 9/19/2025
Remarks:

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: Manufacturer Ardex Americas

We hereby submit for consideration the following product instead of specified item for above project:

Section No. 093000 Tiling Paragraph 2.5B, C,F,2.7B Specified Item

Proposed Substitution: Ardex Americas; Ardex X5, Ardex WA, Ardex Flexbone uncoupling membrane

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
No. 2: Drawings showing dimensional changes and other change to drawings.
No. 3: Complete description of all changes to specifications.
No. 4: Description of effect on other trades, other contracts, and contract completion date.
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address.
No. 7: Cost impact.

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Don Richards Ardex Americas

Date September 10, 25 Phone 206-979-0401 Signature Don Richards

Acceptance by Architect:

By: Howard Struve
Date: 9/18/25
Remarks:

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: Denzel Northwest - Supplier

We hereby submit for consideration the following product instead of specified item for above project:

Section No. 09 54 26 Paragraph 2.4 A Specified Item Armstrong Woodworks Grille - WDC-1 Backer and Dowel

Proposed Substitution: ASI Architectural Grille - Backer and Dowel

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
No. 2: Drawings showing dimensional changes and other change to drawings. N/A
No. 3: Complete description of all changes to specifications. N/A
No. 4: Description of effect on other trades, other contracts, and contract completion date. N/A
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address.
No. 7: Cost impact. N/A

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Daana Denzel, Denzel Northwest

Date 9/11/25 Phone (206) 900-3675 Signature Daana Denzel

Acceptance by Architect:

By: Howard Struve
Date: 9/18/2025
Remarks:

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: Denzel Northwest - Supplier

We hereby submit for consideration the following product instead of specified item for above project:

Section No. 09 54 26 Paragraph 2.4 B & C Specified Item Armstrong Woodworks Tegular - WDC-2 & WDC-3

Proposed Substitution: ASI Architectural Fusion Tegular Lay In

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
No. 2: Drawings showing dimensional changes and other change to drawings. N/A
No. 3: Complete description of all changes to specifications. N/A
No. 4: Description of effect on other trades, other contracts, and contract completion date. N/A
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address.
No. 7: Cost impact. N/A

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Daana Denzel, Denzel Northwest

Date 9/11/25 Phone (206) 900-3675 Signature Daana Denzel

Acceptance by Architect:

By: Howard Struve
Date: 9/18/2025
Remarks:

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: Denzel Northwest - Supplier

We hereby submit for consideration the following product instead of specified item for above project:

Section No. 09 54 26 Paragraph 2.4 A Specified Item Armstrong Woodworks Grille - WDC-1 Backer and Dowel

Proposed Substitution: CertainTeed Grille - Backer and Dowel

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
No. 2: Drawings showing dimensional changes and other change to drawings. N/A
No. 3: Complete description of all changes to specifications. N/A
No. 4: Description of effect on other trades, other contracts, and contract completion date. N/A
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address.
No. 7: Cost impact. N/A

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Daana Denzel, Denzel Northwest

Date 9/9/25 Phone (206) 900-3675 Signature Daana Denzel

Acceptance by Architect:

By: Howard Struve
Date: 9/18/2025
Remarks:

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

~~Contractor~~: Manufacturer: Geometrik

We hereby submit for consideration the following product instead of specified item for above project:

Section No.	Paragraph	Specified Item
095426	Page 2, paragraph 2.3 and Page 3, paragraph 2.4	Lino Acoustic planks, Woodworks Grille and Woodworks Tegular

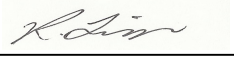
Proposed Substitution: Geopanel Microperfo S, Geopanel Grille and Geosquare.

Attachments: (If not applicable, write N/A left of item number.)

N/A No. 1: Complete product data. Yes
N/A No. 2: Drawings showing dimensional changes and other change to drawings.
N/A No. 3: Complete description of all changes to specifications.
N/A No. 4: Description of effect on other trades, other contracts, and contract completion date.
No. 5: List of differences between proposed and specified items. See Side by Side
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address. See body of email
No. 7: Cost impact. Min. 10% savings

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Ryan Lindquist - Geometrik Manufacturing

Date 09/08/2025 Phone 778 988 5685 Signature 

Acceptance by Architect:

By: Howard Struve
Date: 9/19/2025
Remarks:

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: LC Custom Interiors

We hereby submit for consideration the following product instead of specified item for above project:

Section No.	Paragraph	Specified Item
122413	2.3	A

Proposed Substitution: Draper NEXD Manual Roller Shade Clutch

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
No. 2: Drawings showing dimensional changes and other change to drawings.
No. 3: Complete description of all changes to specifications.
No. 4: Description of effect on other trades, other contracts, and contract completion date.
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address.
No. 7: Cost impact.

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: Arthur Walker, Estimator

Date 9/4/2025 Phone 201-965-8389 Signature Arthur Walker

Acceptance by Architect:

By: Howard Struve
Date: 9/19/25
Remarks:

(Accepted)
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: Rotschy, Inc.

We hereby submit for consideration the following product instead of specified item for above project:

Section No.	Paragraph	Specified Item
23 3700	2.11	LOUVERS (Greenheck model ESD-403)

Proposed Substitution:

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data.
No. 2: Drawings showing dimensional changes and other change to drawings.
No. 3: Complete description of all changes to specifications.
No. 4: Description of effect on other trades, other contracts, and contract completion date.
No. 5: List of differences between proposed and specified items.
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address.
No. 7: Cost impact.

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Sharon Watt, president - West Coast Air Products, Inc.

Date 9/15/2025 Phone 503-786-1412 Signature Sharon M. Watt Digitally signed by Sharon M. Watt DN: C=US, E=sharonw@wcap-inc.com, O="West Coast Air Products, Inc.", CN=Sharon M. Watt Date: 2025.09.15 13:35:28-07'00'

Acceptance by Architect:

By: James Whigham, PE
Date: 9/18/25
Remarks:

Accepted
Accepted as Noted
Not Accepted

END OF SECTION 012500-A

Gig Harbor Fire & Medic One August 15, 2025

012500-A - SUBSTITUTION REQUEST FORM

To: Architect: Rice Fergus Miller, Inc.
275 5th Street, Suite 100
Bremerton, Washington 98337

Contractor: _____

We hereby submit for consideration the following product instead of specified item for above project:

Section No.	Paragraph	Specified Item
238143	2.1	Trane - Mitsubishi City Multi

Proposed Substitution: Carrier VRF

Attachments: (If not applicable, write N/A left of item number.)

No. 1: Complete product data. See Attached
No. 2: Drawings showing dimensional changes and other change to drawings. N/A
No. 3: Complete description of all changes to specifications. N/A
No. 4: Description of effect on other trades, other contracts, and contract completion date. N/A
No. 5: List of differences between proposed and specified items. N/A
No. 6: List of names and addresses of three similar projects on which product was used, date of installation and Architect's name and address. See Attached
No. 7: Cost impact. N/A

Undersigned attests function and quality equivalent or superior to specified item.

Submitted by: (Person and Firm) Aaron White ACI

Date 9/12/25 Phone 706-767-2600 Signature _____

Acceptance by Architect:

By: James Whigham, PE
Date: 9/18/25
Remarks:

Accepted
Accepted as Noted
Not Accepted

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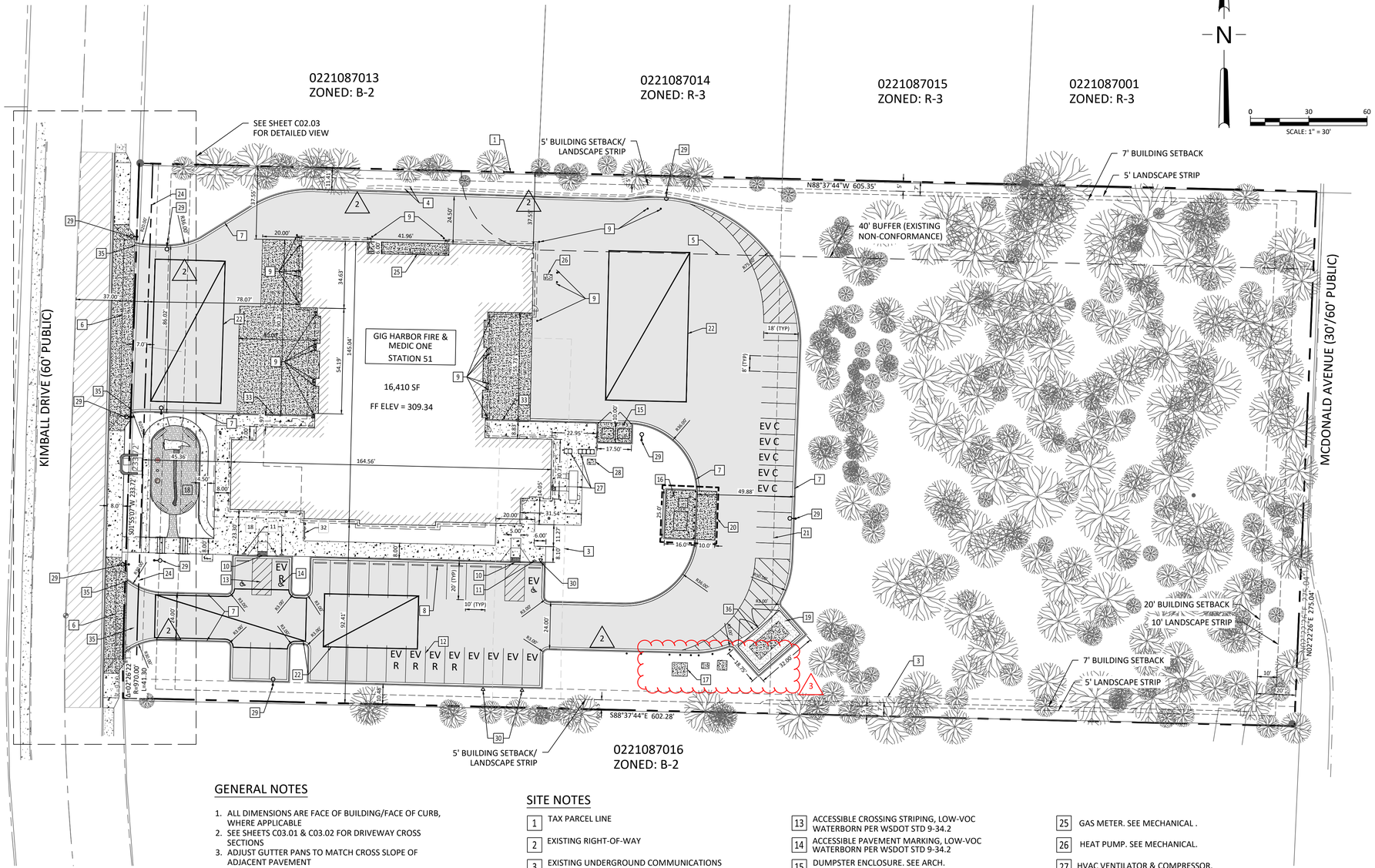

SITE DATA:

SITE AREA: 3.8 ACRES

BUILDING AREA:
16,500 SF FIRST FLOOR*
5,000 SF SECOND FLOOR
21,500 SF TOTAL**

* INCLUDES 6,300 SF APPARATUS BAY
** DWELLING AREA = 15,200 SF

BULDING HEIGHT: 32 FEET

TOTAL IMPERVIOUS AREA: 1.64 AC
LOT COVERAGE: 43%

PARKING:

REQUIRED:
1 STALL / 300 SF DWELLING AREA
15,200 SF / 300 SF = 51 SPACES

REDUCTION ALLOWANCE PER CITY
CORRESPONDENCE = 9 SPACES

	PROPOSED
STANDARD PARKING	40
ADA PARKING	3
TOTAL PARKING	43
EV CHARGING (EV)	5 (11.6%)
EV CAPABLE (EV C)	5 (11.6%)
EV READY (EV R)	5 (11.6%)

GENERAL NOTES

1. ALL DIMENSIONS ARE FACE OF BUILDING/FACE OF CURB, WHERE APPLICABLE
2. SEE SHEETS C03.01 & C03.02 FOR DRIVEWAY CROSS SECTIONS
3. ADJUST GUTTER PANS TO MATCH CROSS SLOPE OF ADJACENT PAVEMENT

LEGEND

- ASPHALT PAVING. SEE DETAIL 1 SHEET C05.01
- CONCRETE PAVING. SEE DETAIL 2 SHEET C05.01
- CONCRETE SIDEWALK. SEE DETAIL 2-18, SHEET C05.02
- MAINTENANCE ROCK PER WSDOT 9-03.9(4)

BUILDING SETBACKS:

FRONT: 20'
SIDE: 5' (30' ADJACENT TO RESIDENTIAL)*
REAR: N/A (DOUBLE FRONTAGE LOT)

* SIDE YARD SETBACK INCREASES TO 7' IN R-3 ZONING

LANDSCAPE STRIPS:

FRONT: 10'
SIDE: 5'

SITE NOTES

1. TAX PARCEL LINE
2. EXISTING RIGHT-OF-WAY
3. EXISTING UNDERGROUND COMMUNICATIONS EASEMENT (AFN 201609290121) TO BE MODIFIED
4. EXISTING ROCKERY
5. 40' BUFFER (EXISTING NON-CONFORMANACE)
6. CEMENT CONCRETE DRIVEWAY TYPE 2, SEE DETAIL F-80.10-04, SHEET C05.03
7. CEMENT CONCRETE TRAFFIC CURB AND GUTTER. SEE DETAIL 2-20, SHEET C05.03
8. WHEELSTOP, TYP. SEE DETAIL 3 SHEET C05.01
9. BOLLARD, TYP. SEE DETAIL 4, SHEET C05.01
10. ACCESSIBLE RAMPS W/ DETECTABLE WARNING SURFACE. SEE DETAIL SHEET C05.02
11. ACCESSIBLE PARKING SIGN. SEE DETAILS 2-43 AND 6, SHEET C05.01
12. 4" WIDE, WHITE PARKING STRIPE, LOW-VOC WATERBORN PER WSDOT STD 9-34.2, TYP
13. ACCESSIBLE CROSSING STRIPING, LOW-VOC WATERBORN PER WSDOT STD 9-34.2
14. ACCESSIBLE PAVEMENT MARKING, LOW-VOC WATERBORN PER WSDOT STD 9-34.2
15. DUMPSTER ENCLOSURE. SEE ARCH.
16. FUEL TANK PAD. SEE ARCH. DETAIL 18 ON S50.02 FOR FUEL TANK PAD (NON-VEHICULAR).
17. TRANSFORMER. SEE ELECTRICAL SITE PLAN.
18. CONCRETE PATIO. SEE LANDSCAPE PLANS
19. GENERATOR & ENCLOSURE. SEE ELECTRICAL SITE PLAN AND ARCHITECTURAL PLANS. SEE DETAIL 18 ON S50.02 FOR GENERATOR PAD.
20. METAL CANOPY OVER FUEL PUMP AREA
21. EXISTING B-2/R-3 ZONING LINE
22. UNDERGROUND STRUCTURE MARKING: 4" RED PERIMETER, 4" RED DIAGONAL W/ 3" WHITE "CAUTION UNDERGROUND STRUCTURE" STENCIL
23. SITE FURNISHINGS (SEE LANDSCAPE PLANS)
24. PROPOSED RIGHT-OF-WAY LINE
25. GAS METER. SEE MECHANICAL .
26. HEAT PUMP. SEE MECHANICAL.
27. HVAC VENTILATOR & COMPRESSOR. SEE MECHANICAL.
28. TELE/COMM VAULT. SEE ELECTRICAL.
29. LIGHT POLE. SEE ELECTRICAL SITE PLAN.
30. EV CHARGING STATION. SEE ELECTRICAL SITE PLAN.
31. NOT USED
32. MONUMENT SIGN. SEE ARCH.
33. TAPER CURB HEIGHT FROM 0" AT BUILDING TO 6" AT END OF CONCRETE APRON.
34. NOT USED
35. PROVIDE A 2.5-FOOT CURB TAPER FROM 6" TO 0" HEIGHT.
36. 24-INCH WIDE CONCRETE VALLEY GUTTER

GIG HARBOR
"THE MARITIME CITY"
ISSUED FOR CONSTRUCTION BY:
CITY ENGINEER
DATE

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ENERGY PUBLIC WORKS LAND DEVELOPMENT
www.mackaysposito.com

ERIC J. PILLER
STATE OF WASHINGTON
43952
REGISTERED
PROFESSIONAL ENGINEER
09/12/2025

STATION 51
GIG HARBOR FIRE AND MEDIC ONE
GIG HARBOR, WASHINGTON

PROJECT # 2022011

PERMIT SET

ISSUE DATE AUGUST 25, 2025

REVISION SCHEDULE

2	ADDENDUM 2	9/12/2025
3	ADDENDUM 3	9/19/2025

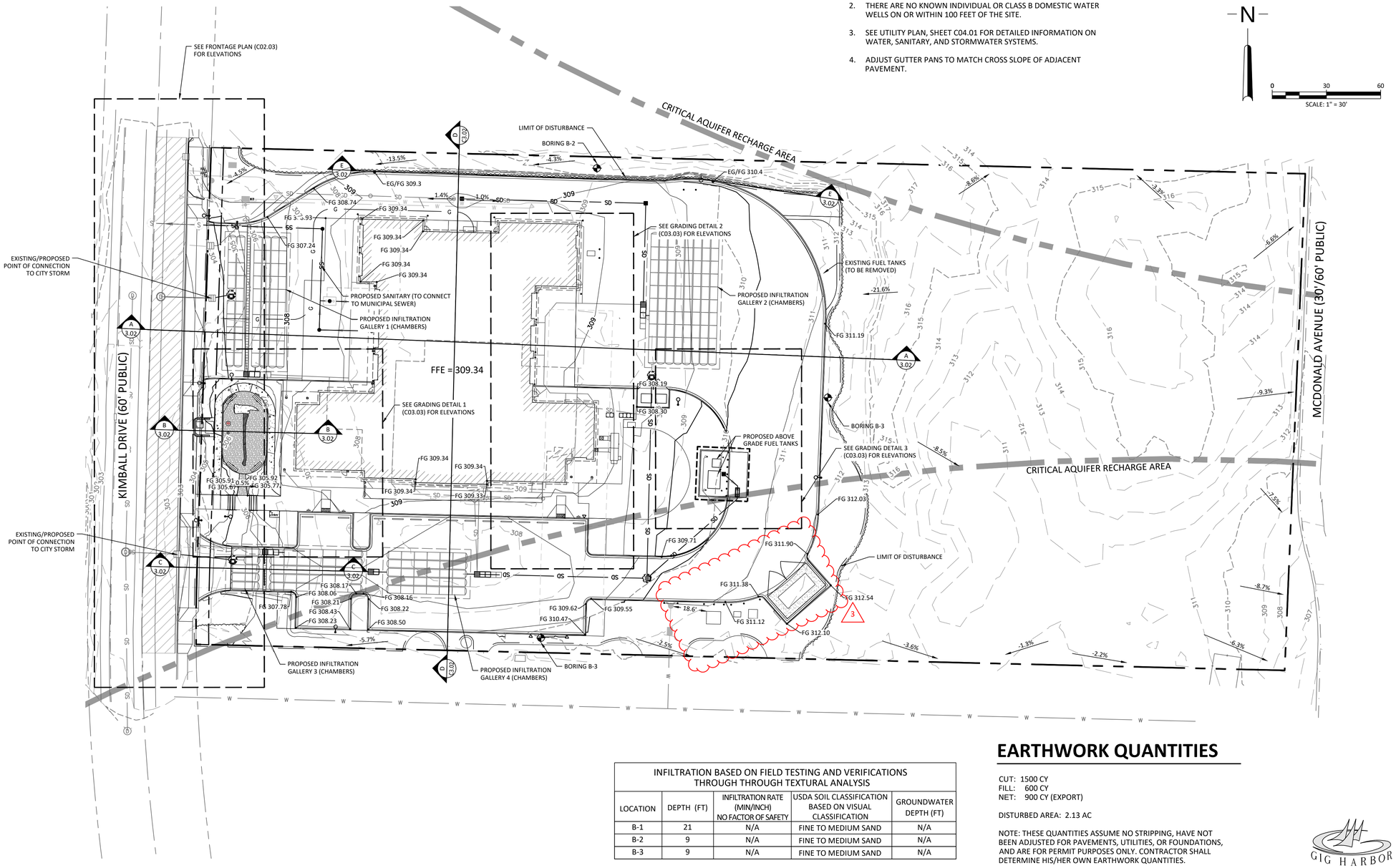
SITE PLAN

SHEET # **C02.01**

J:\18174 - GHFMO Station 51\500 Design\502 Drawings\Sheets\18174 - C02.01 Site Plan.dwg

GRADING NOTES:

1. NO CUT OR FILL SLOPES REQUIRING SETBACKS IN ACCORDANCE WITH GHMC 14.40.120 ARE PROPOSED.
2. THERE ARE NO KNOWN INDIVIDUAL OR CLASS B DOMESTIC WATER WELLS ON OR WITHIN 100 FEET OF THE SITE.
3. SEE UTILITY PLAN, SHEET C04.01 FOR DETAILED INFORMATION ON WATER, SANITARY, AND STORMWATER SYSTEMS.
4. ADJUST GUTTER PANS TO MATCH CROSS SLOPE OF ADJACENT PAVEMENT.



INFILTRATION BASED ON FIELD TESTING AND VERIFICATIONS THROUGH THROUGH TEXTURAL ANALYSIS				
LOCATION	DEPTH (FT)	INFILTRATION RATE (MIN/INCH) NO FACTOR OF SAFETY	USDA SOIL CLASSIFICATION BASED ON VISUAL CLASSIFICATION	GROUNDWATER DEPTH (FT)
B-1	21	N/A	FINE TO MEDIUM SAND	N/A
B-2	9	N/A	FINE TO MEDIUM SAND	N/A
B-3	9	N/A	FINE TO MEDIUM SAND	N/A

EARTHWORK QUANTITIES

CUT: 1500 CY
FILL: 600 CY
NET: 900 CY (EXPORT)

DISTURBED AREA: 2.13 AC

NOTE: THESE QUANTITIES ASSUME NO STRIPPING, HAVE NOT BEEN ADJUSTED FOR PAVEMENTS, UTILITIES, OR FOUNDATIONS, AND ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR SHALL DETERMINE HIS/HER OWN EARTHWORK QUANTITIES.

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ERIC J. PILCHER
STATE OF WASHINGTON
43952
REGISTERED
PROFESSIONAL ENGINEER
09/12/2025

STATION 51
GIG HARBOR FIRE AND MEDIC ONE
GIG HARBOR, WASHINGTON

PROJECT # 2022011

PERMIT SET

ISSUE DATE AUGUST 25, 2025

REVISION SCHEDULE

3	ADDENDUM 3	9/19/2025

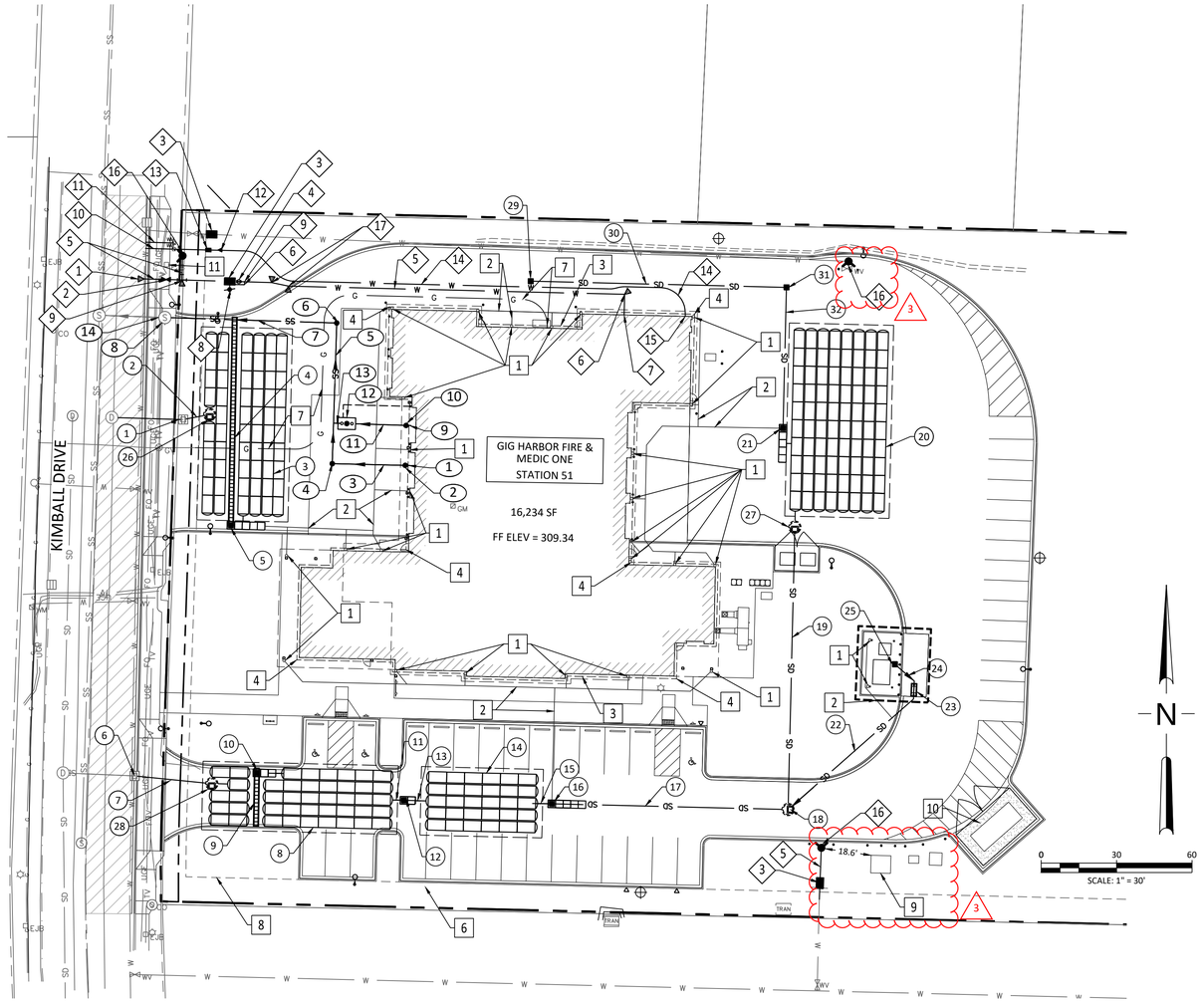
GRADING PLAN

SHEET #
C03.01

J:\18174 - GHFMO Station 51\500 Design\502 Drawings\Sheets\18174 - C03.01 Grading Plan.dwg

STORM NOTES

1. EX. CB#001
   KIMBALL DR ,STA 14+51.5, 33.4' LT
   RIM EL.= 304.45 (ADJUST TO FINISHED GRADE)
   NEW IE 301.56 - 12" IN (E)
   EX. IE 301.06 - 6" OUT (W)
2. 12" N-12 L=11' S=0.50%
3. UNDERGROUND DETENTION SYSTEM
   HYDROSTOR HS75. SEE DETAILS ON SHT C05.05-C05.06
   BOTTOM OF DRAIN ROCK = 299.61
4. Z886-FGF TRENCH DRAIN.
   SEE DETAIL ON SHEET C05.04
   RIM EL.= 306.03
5. PERKFILTER MEDIA FILTRATION CATCH BASIN.
   W/ (4) 18-IN CARTRIDGES
   SEE DETAIL ON SHEET C05.04
   RIM EL.= 306.03
6. EX. CB#002
   KIMBALL DR STA.13+09.3, 18.8'LT
   RIM EL.= 302.75 (ADJUST TO FINISHED GRADE)
   NEW IE 300.75 - 12" IN (E)
   EX. IE 300.75 - 12" OUT (W)
7. 12" N-12 L=31' S=0.50%
8. UNDERGROUND DETENTION SYSTEM
   HYDROSTOR HS75. SEE DETAILS ON SHT C05.05-C05.06
   BOTTOM OF DRAIN ROCK = 298.90
9. Z886-FGF TRENCH DRAIN.
   SEE DETAIL ON SHEET C05.04
   RIM EL.= 306.64
10. PERKFILTER MEDIA FILTRATION CATCH BASIN.
    W/ (1) 18-IN CARTRIDGES
    SEE DETAIL ON SHEET C05.04
    RIM EL.= 306.64
11. 12" N-12 L=5' S=0.50%
12. PERKFILTER MEDIA FILTRATION CATCH BASIN.
    W/ (1) 18-IN CARTRIDGES
    SEE DETAIL ON SHEET C05.04
    RIM EL.= 307.91
13. 12" N-12 L=9' S=0.50%
14. UNDERGROUND DETENTION SYSTEM
    HYDROSTOR HS75. SEE DETAILS ON SHT. C05.05-C05.06
    BOTTOM OF DRAIN ROCK = 300.24
15. 12" N-12 L=5.7' S=0.50%
16. PERKFILTER MEDIA FILTRATION CATCH BASIN.
    W/ (4) 18-IN CARTRIDGES
    SEE DETAIL ON SHEET C05.04
    RIM EL.= 307.30
17. 12" N-12 L=94' S=0.50%
18. CB#003
    TYPE 2-48"
    RIM EL.= 309.70
    IE 301.68 - 6" IN (NE)
    IE 301.68 - 12" IN (N)
    IE 301.68 - 12" OUT (W)
19. 12" N-12 L=112' S=0.50%
20. UNDERGROUND DETENTION SYSTEM
    HYDROSTOR HS75. SEE DETAILS ON SHT C05.05-C05.06
    BOTTOM OF CHAMBER = 300.24
21. PERKFILTER MEDIA FILTRATION CATCH BASIN.
    W/ (6) 18-IN CARTRIDGES
    SEE DETAIL ON SHEET C05.04
    RIM EL.= 308.31
    IE 302.03 - 12' IN (N)
22. 6" N-12 L=66' S=1.98%
23. 100 GALLON OIL/WATER SEPARATOR. SA-25 BY OLDCASTLE OR APPROVED EQUAL.
    RIM EL.=310.43
    IE 303.00 - 6" IN (N W/45-BEND TO NW)
    IE 303.00 - 6" OUT (S W/45-BEND TO SW)
    SUMP = 301.58
24. 6" N-12 L=10' S=3.09%
25. CB#004-TYPE 1
    RIM EL.=310.17
    IE 303.31 - 6" OUT (SE)
    PROVIDE 90-DEGREE TURN-DOWN ELBOW AT OUTLET
26. OCS-01
    TYPE 2-48"
    RIM EL.= 305.59
    IE 301.61 - 12" IN (E)
    IE 301.61 - 12" OUT (W)
27. OCS-02
    TYPE 2-48"
    RIM EL.= 308.25
    IE 302.24 - 12" IN (N)
    IE 302.24 - 12" OUT (S)
28. OCS-03
    TYPE 2-48"
    RIM EL.= 305.07
    IE 300.90 - 12" IN (E)
    IE 300.90 - 12" OUT (W)
29. CB#005 -TYPE1
    RIM EL.= 308.88
    IE 302.82 - 12" OUT (E)
30. 12" N-12 L=102' S=0.50%
31. CB#006 -TYPE1
    RIM EL.= 308.49
    IE 302.31 - 12" IN (W)
    IE 302.21 - 12" OUT (S)
32. 12" N-12 PVC L=56.0' S=0.50%



SEWER NOTES

1. 6" PVC OUTGOING WASTE.
   SEE PLUMBING PLANS.
   IE 304.01 - 6" OUT (E)
2. SSCO#001
   RIM EL.= 309.30
   IE 303.96 - 6" (E/W)
3. 28 LF 6" PVC SDR35 @ 3.35%
4. SSCO#002
   RIM EL.= 308.59
   IE 303.03 - 6" (E/N)
5. 54 LF 6" PVC SDR35 @ 4.09%
6. SSCO#003
   RIM EL.= 308.85
   IE 300.84 - 6" (S/W)
7. 66 LF 6" PVC SDR35 @ 2.71%
8. EX. SSMH#001
   EX. RIM EL.= 304.57 (ADJUST TO FINISHED GRADE)*
   NEW IE 299.06 - 6" IN (E)
   EX. IE 299.03 - 4" IN (S) (PLUG AND ABANDON, IF CONFIRMED DRY)
   EX. IE 298.93 - 8" OUT (W)
   *ROTATE ECCENTRIC RISER AS NECESSARY TO AVOID GRADE BREAK
9. 6" PVC TO OWS.
   SEE PLUMBING PLANS.
   IE 304.95 - 6" OUT (E)
10. SSCO#005
    RIM EL.= 309.34
    IE 304.95 - 6" (E/W)
11. 20 LF 6" PVC SDR35 @ 11.32%
12. OLDCASTLE 577-CPS OIL/WATER SEPARTOR OR APPROVED EQUAL.
    RIM EL.= 308.79 (CENTER OF LID)
    IE 302.74 - 6" IN (E)
    IE 302.74 - 6" OUT (W)
    SUMP EL.= 298.74
13. 2 LF 6" PVC SDR35 @ 14.58%
14. EXISTING/PROPOSED POINT OF CONNECTION TO CITY SEWER

UTILITY NOTES

1. PVC DOWNSPOUT BOOT CONNECTION W/ WYE CLEANOUT (SEE DETAIL SHEET C05.04)
2. DOWNSPOUT CONNECTION PIPING
   6" SDR35 PVC @ S=1.00% MIN.
3. 4" PERFORATED PVC FOUNDATION DRAIN (SEE DETAIL SHEET C05.04)
4. 4" FOUNDATION DRAIN CLEANOUT
5. 4" SDR35 PVC @ S=1.00%
6. FUTURE EV CHARGING STATION. SEE ELEC.
7. GAS METER & SERVICE LINE. COORDINATE WITH PSE AND PROVIDE TRENCHING AS DIRECTED. SEE MECH.
8. UNDERGROUND COMMUNICATIONS EASEMENT
9. TRANSFORMER. COORDINATE WITH PENINSULA LIGHT CO. SEE ELEC.
10. GENERATOR. SEE ARCH.
11. EXISTING JUNCTION BOX TO REMAIN.

WATER NOTES

1. NEW 12" X 6" FIRE TAP W/THRUST BLOCK. SEE DETAIL 4-07 ON SHEET C05.11. CONTRACTOR TO TAP AND INSTALL FIRE LINE. COORDINATE WITH CITY INSPECTOR PRIOR TO TAPPING MAIN.**
2. 6" GATE VALVE.
   SEE DETAIL 4-08 ON SHEET C05.11
3. 6" DOUBLE CHECK VALVE ASSEMBLY.
   SEE DETAIL 4-14 ON SHEET C05.12
4. POST INDICATOR VALVE.
   SEE DETAIL 4-14 ON SHEET C05.12
5. 6" DIP CL 52 FIRE SERVICE
6. 6" X 90 BEND W/ THRUST BLOCK
7. 6" FIRE SERVICE. SEE PLUMBING FOR CONTINUATION.
8. FIRE DEPARTMENT CONNECTION.
   SEE DETAIL 4-14 ON SHEET C05.12
9. 6" X 6" TEE W/ THRUST BLOCK.
   SEE DETAIL 4-07 ON SHEET C05.11
10. 2" TAP AND METER BOX BY CONTRACTOR. COORDINATE INSTALLATION OF 2" DOMESTIC METER WITH GIG HARBOR WATER.**
11. 2" TAP AND METER BOX BY CONTRACTOR. COORDINATE INSTALLATION OF 2" IRRIGATION METER WITH GIG HARBOR WATER.**
12. 2"X3" ENLARGER
13. 2" REDUCED PRESSURE ZONE ASSEMBLY BACKFLOW PREVENTOR IN "HOTBOX" SEE DETAIL ON SHEET C05.11
14. 3" IPS SDR 11 HDPE (BLUE)
15. 3" DOMESTIC SERVICE. SEE PLUMBING FOR CONTINUATION.
16. 6" GATE VALVE & FIRE HYDRANT.
    SEE DETAIL 4-01 ON SHEET C05.11
    (ENSURE MIN. 3'-0" CLEAR ZONE AROUND HYDRANT.)
17. (2) 11.25° BENDS AND THRUST BLOCKS

** EXISTING 12" MAIN IS ASBESTOS CEMENT PIPE. POTHOLE VERIFY TAP LOCATION AND FIELD ADJUST AS NECESSARY TO AVOID BELL JOINTS.

GENERAL NOTES:

1. UTILITIES TO BE REMOVED ARE NOT SHOWN FOR CLARITY. SEE DEMOLITION PLAN, SHEET C01.01
2. SEE SHEET C00.02 FOR CITY OF GIG HARBOR NOTES RELATED TO INSTALLATION OF STORM DRAINS, SANITARY SEWERS, AND WATER MAINS.
3. ALL UTILITY STRUCTURES TO REMAIN SHALL BE ADJUSTED TO FINISHED GRADE, WHERE APPLICABLE.
4. EXPOSE CONNECTION POINTS AND VERIFY FITTING 48 HOURS PRIOR TO DISTRIBUTING SHUT-DOWN NOTICES.

GIG HARBOR
"THE MARITIME CITY"

ISSUED FOR CONSTRUCTION BY:

CITY ENGINEER

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ERIC J. PILGRIM
STATE OF WASHINGTON
43952
REGISTERED
PROFESSIONAL ENGINEER
09/12/2025

STATION 51
GIG HARBOR FIRE AND MEDIC ONE
GIG HARBOR, WASHINGTON

PROJECT # 2022011

PERMIT SET

ISSUE DATE AUGUST 25, 2025

REVISION SCHEDULE

3	ADDENDUM 3	9/19/2025

UTILITY PLAN

SHEET #
C04.01

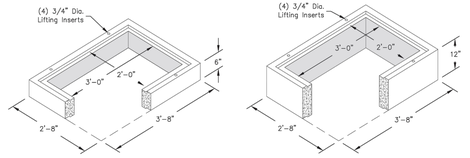
J:\18174 - GHFMO Station 51\500 Design\502 Drawings\Sheets\18174 - C04.01 Utility Plan.dwg

Oldcastle Precast
AUBURN

Delivering Reliability

RISER EXTENSIONS

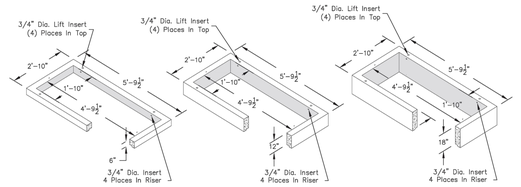
RISER EXTENSIONS
FOR USE WITH
VAULTS No.
233-LA



No. 23R-6
6" RISER
290 lbs

No. 23R-12
12" RISER
580 lbs

RISER EXTENSIONS
FOR USE WITH
VAULTS No.
25-TA
25-SA
25-DPS



No. 25R-6
6" RISER
620 lbs

No. 25R-12
12" RISER
1170 lbs

No. 25R-18
18" RISER
1,730 lbs

Items Shown Are Subject To Change Without Notice
Issue Date: April 2016

106

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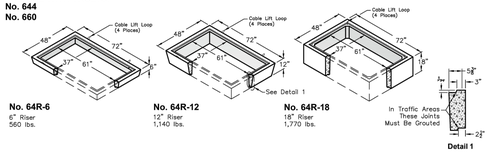
Mailing Address
PO Box 588
Auburn, WA 98071

Phone: 800-892-1538
Fax: 253-735-4201
Email: opauburn@oldcastle.com

opauburn.com

64 / 57 / 576 EXTENSIONS

RISER EXTENSIONS
FOR USE WITH VAULTS:
No. 644
No. 660



No. 64R-6
6" Riser
560 lbs.

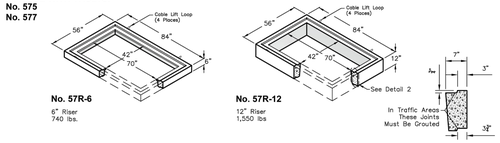
No. 64R-12
12" Riser
1,140 lbs.

No. 64R-18
18" Riser
1,770 lbs.

In Traffic Areas These Joints Must Be Grouted

Detail 1

RISER EXTENSIONS
FOR USE WITH VAULTS:
No. 575
No. 577



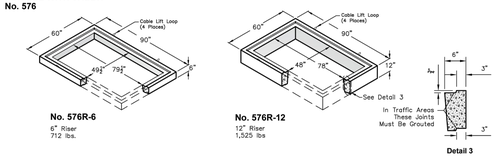
No. 57R-6
6" Riser
740 lbs.

No. 57R-12
12" Riser
1,550 lbs

In Traffic Areas These Joints Must Be Grouted

Detail 2

RISER EXTENSIONS
FOR USE WITH VAULT:
No. 576



No. 576R-6
6" Riser
712 lbs.

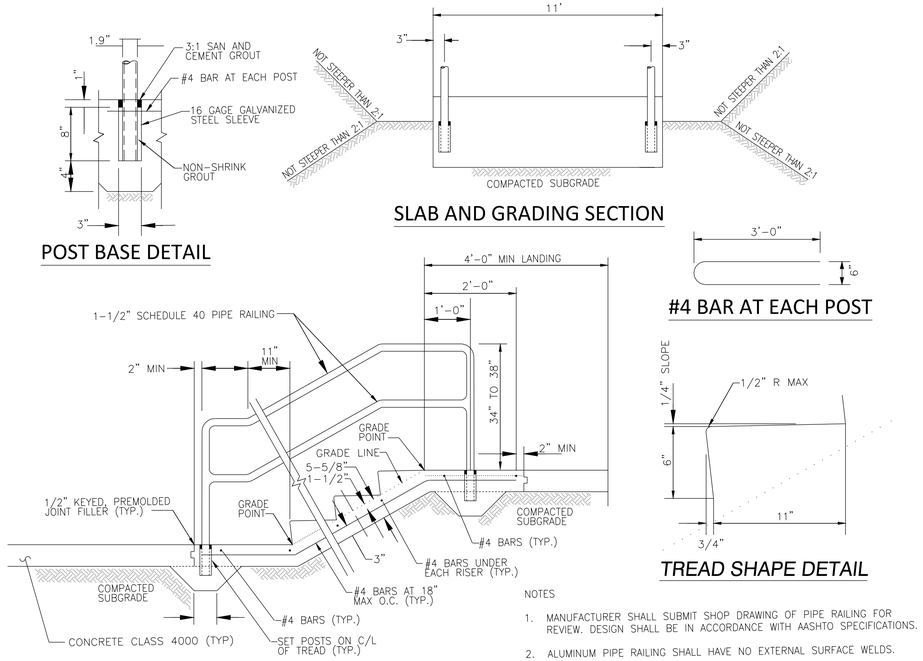
No. 576R-12
12" Riser
1,525 lbs

In Traffic Areas These Joints Must Be Grouted

Detail 3

Oldcastle Precast®	64/57/576 EXTENSIONS	64 / 57 / 576 RISER EXTENSIONS
PO Box 323, Wilsonville, Oregon 97070-0323	File Name: 020-SQRSRS2	
Tel: (503) 682-2844 Fax: (503) 682-2657	Issue Date: 2016	
	oldcastleprecast.com/wilsonville	

2.0

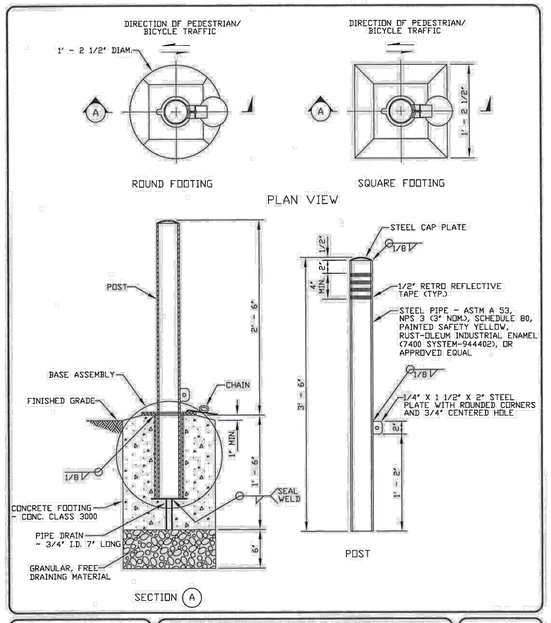


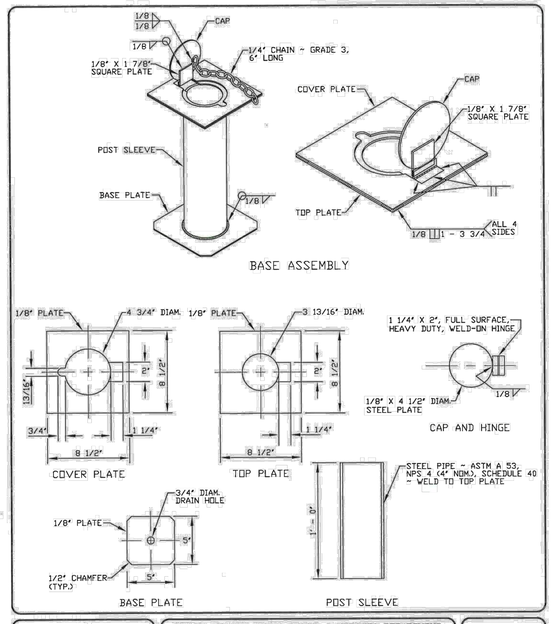
NOTES

1. MANUFACTURER SHALL SUBMIT SHOP DRAWING OF PIPE RAILING FOR REVIEW. DESIGN SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.
2. ALUMINUM PIPE RAILING SHALL HAVE NO EXTERNAL SURFACE WELDS.
3. RAILING POST SEPARATION SHALL BE 6' MAX. ON CENTER. POSTS INSTALLED MID-RAIL SHALL BE LOCATED AT CENTER OF TREAD.

CONCRETE STAIRS AND HANDRAIL

3





KARL FRANK MILLER STATE OF WASHINGTON 32160 REGISTERED PROFESSIONAL ENGINEER	PIERCE COUNTY PUBLIC WORKS & UTILITIES DEPARTMENT SEWER UTILITY DIVISION 9850 64TH STREET WEST UNIVERSITY PLACE, WASHINGTON 98467-1076 (253) 798-4050 STANDARD DETAILS	DATE 05/01/2011 SCALE NTS
	REMOVABLE BOLLARD DETAIL	STANDARD DETAIL NO. 1008 PAGE 1 OF 2

KARL FRANK MILLER STATE OF WASHINGTON 32160 REGISTERED PROFESSIONAL ENGINEER	PIERCE COUNTY PUBLIC WORKS & UTILITIES DEPARTMENT SEWER UTILITY DIVISION 9850 64TH STREET WEST UNIVERSITY PLACE, WASHINGTON 98467-1076 (253) 798-4050 STANDARD DETAILS	DATE 05/01/2011 SCALE NTS
	REMOVABLE BOLLARD DETAIL	STANDARD DETAIL NO. 1008 PAGE 2 OF 2

GIG HARBOR
"THE MARITIME CITY"

ISSUED FOR CONSTRUCTION BY:

CITY ENGINEER

DATE

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ERIC L. PILCHER STATE OF WASHINGTON 43952 REGISTERED PROFESSIONAL ENGINEER
09/17/2025

STATION 51
GIG HARBOR FIRE AND MEDIC ONE
GIG HARBOR, WASHINGTON

PROJECT # 2022011

PERMIT SET

ISSUE DATE AUGUST 25, 2025

REVISION SCHEDULE

3	ADDENDUM 3	9/19/2025

MISC DETAILS

SHEET #
C05.09

J:\18174 - GHFMO Station 51\500 Design\502 Drawings\Sheets\18174 - C05.01-C05.12 Details.dwg

GENERAL NOTES

1. SEE SHEET L01.00 FOR PLANTING PLAN, L01.01 FOR FRONT PLAZA PLAN
2. SEE SHEETS L02.00-L02.02 FOR LANDSCAPE NOTES & DETAILS
3. SEE SHEET L03.00 FOR IRRIGATION PLAN
4. SEE SHEETS L04.00, L04.01 FOR IRRIGATION NOTES & DETAILS
5. SEE SHEETS L05.00-L05.03 FOR TREE RETENTION PLANS

LEGEND

- LAWN AREA TYP. (HYDROSEEDED, SEE SPEC. SECTION 323113)
- TREE PROTECTION AREA, 2' DEPTH BARK MULCH ONLY. NO GROUND DISTURBANCE, ERADICATE EX. GRASSES PRIOR TO MULCHING, TYP. DO NOT BARK MULCH OR DISTURB AREAS BEYOND LIMIT OF WORK, TYP.
- × PROPOSED REMOVED TREE, SEE TREE RETENTION SHEETS L05.00-L05.03.
- PROPERTY LINE

CODE COMPLIANCE

PARCEL SIZE: 166,354 SF (3.814 ACRES)

NATIVE VEGETATION RETAINED: 74,130 SF (44.6% OF PARCEL AREA)

RETAINED SIGNIFICANT TREES: 95%+ (25% REQUIREMENT).

OPEN SPACE GHMC 17.99.280: FRONT PLAZA 1,621 SF (7.5% OF FLOOR AREA)

MODIFIED NORTH BUFFER: 40' WIDE P.L. BUFFER 130' x 40'=5,200 SF (WHERE REQUIRED)

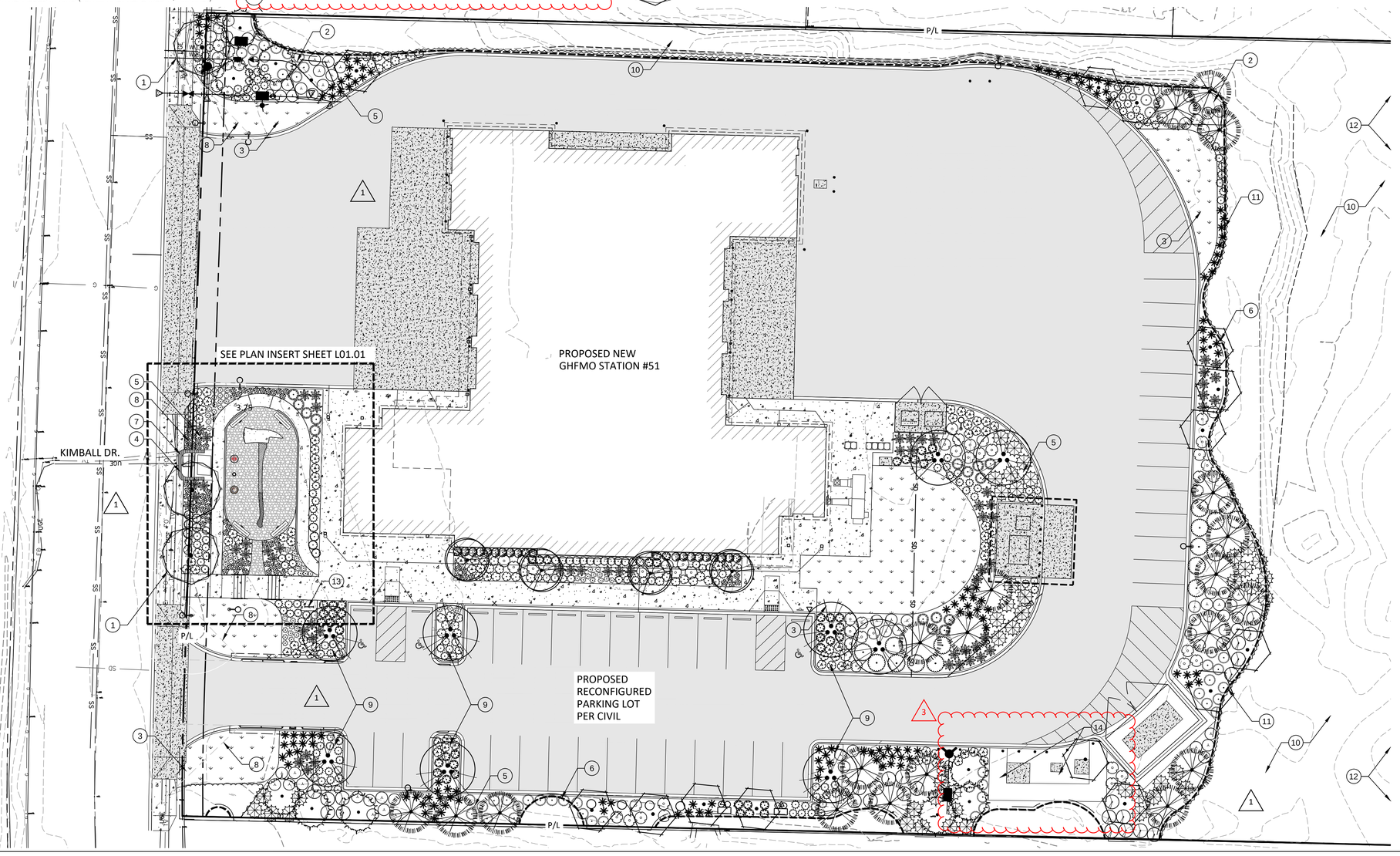
BUFFER PROVIDED: 560 SF PROVIDED (PORTION OF 13 x 70'), REST OF AREA RETAINED EXISTING FEATURES OR REHABBED IN KIND (I.E. ASPHALT REPLACED W/ ASPHALT).

SITE KEY NOTES

1. PROPOSED STREET TREE, SEE ROOT BARRIER DETAIL #4 SHEET L02.01, TYP.
2. MODIFIED GHMC 17.99.180 40' SCREENING BUFFER (MODIFIED PER GHMC SECTION 17.68.080, CONTINUITY OF PRIOR CONDITIONS).
3. HYDROSEED LAWN AREA, INSTALL A 6" DEPTH OF IMPORT TOPSOIL, TYP.
4. PRIOR TO PROJECT CLOSEOUT, THE OWNER SHALL SIGN AN AGREEMENT ASSUMING MAINTENANCE RESPONSIBILITIES FOR THE WALL
5. FORMAL LANDSCAPE BED AREA, INSTALL A 9" DEPTH OF IMPORT TOPSOIL TYP.
6. TREE PROTECTION FENCING. SEE PROTECTION DETAIL #1 SHEET L05.00, TYP.
7. BLOCK WALL, SEE DETAIL #1 SHEET L02.02. UTILITY VAULTS TO REMAIN, TYP.
8. ENTERING SIGHT DISTANCE TRIANGLE.
9. PARKING LOT LANDSCAPING BUFFER, 10' WIDTH. TYP.
10. NATIVE FORESTED VEGETATION, PRESERVE & PROTECT DURING CONSTRUCTION, TYP.
11. LIMIT OF LANDSCAPE WORK LINE, TYP.
12. SEE CIVIL/SURVEY FOR BACK PROPERTY LINE & TOTAL PARCEL AREA, TYP.
13. BIKE RACK, SEE DETAIL #1 SHEET L02.00.
14. BARK MULCH ONLY w/ WEED BARRIER AROUND VAULTS & OTHER UTILITIES THIS AREA.

PLANT SCHEDULE SITE PLAN

SYMBOL	BOTANICAL / COMMON NAME	SIZE	CONTAINER
TREES			
	ACER CIRCINATUM / VINE MAPLE	6-7` HT.	B&B
1	PINUS CONTORTA / SHORE PINE	6-7` HT.	B&B
	PRUNUS SERRULATA 'KWANZAN' / KWANZAN JAPANESE FLOWERING CHERRY	1.5" CAL.	B&B
	PSEUDOTSUGA MENZIESII / DOUGLAS FIR	6-7` HT.	B&B
	STEWARTIA PSEUDOCAMELLIA / JAPANESE STEWARTIA	1.5" CAL.	B&B
3	ULMUS X `FRONTIER` / FRONTIER ELM	2" CAL.	B&B
SHRUBS			
	ABELIA X GRANDIFLORA `KALEIDOSCOPE` / GLOSSY ABELIA	2 GAL.	POT
	AZALEA X `HINO CRIMSON` / HINO CRIMSON AZALEA	2 GAL.	POT
	BERBERIS THUNBERGII `GOLDEN RING` / BARBERRY	2 GAL.	POT
	CEANOTHUS `VICTORIA` / VICTORIA CEANOTHUS	5 GAL.	POT
	CORNUS STOLONIFERA `CARDINAL` / CARDINAL RED TWIG DOGWOOD	2 GAL.	POT
	CORNUS STOLONIFERA `FLAVIRAMEA` / YELLOWTWIG DOGWOOD	2 GAL.	POT
	ILEX CRENATA `HELLERI` / HELER JAPANESE HOLLY	5 GAL.	POT
	MISCANTHUS SINENSIS `MORNING LIGHT` / EULALIA GRASS	1 GAL.	POT
	NANDINA DOMESTICA `TUSCAN FLAME` / TUSCAN FLAME HEAVENLY BAMBOO	2 GAL.	POT
	OSMANTHUS HETEROPHYLLUS `GOSHIKI` / GOSHIKI HOLLY OLIVE	5 GAL.	POT
	PENNISETUM ALOPECUROIDES `HAMELN` / HAMELN FOUNTAIN GRASS	1 GAL.	POT
	POLYSTICHUM MUNITUM / WESTERN SWORD FERN	1 GAL.	POT
	RHODODENDRON X `PURPLE GEM` / RHODODENDRON	2 GAL.	POT
	RHODODENDRON X `RAMAPO` / RAMAPO RHODODENDRON	2 GAL.	POT
	ROSA RUGOSA / RUGOSA ROSE	2 GAL.	POT
	SPIRAEA JAPONICA `WALBUMA` / MAGIC CARPET SPIREA	2 GAL.	POT
	VACCINIUM OVATUM / EVERGREEN HUCKLEBERRY	2 GAL.	POT
	VIBURNUM PLICATUM `DOUBLEFILE` / DOUBLEFILE VIBURNUM	5 GAL.	POT



0 20 40
SCALE: 1" = 20'
(22x34" SHEET SIZE)

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GIG HARBOR "THE MARITIME CITY"

ISSUED FOR CONSTRUCTION BY:

COMMUNITY DEVELOPMENT DIRECTOR

DATE

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
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BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

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STATE OF WASHINGTON · NATHANIEL T. LOWRY · No. 2021 EXP. 3/1/2026 · REGISTERED LANDSCAPE ARCHITECT

STATION 51 ADDITION
GIG HARBOR FIRE AND MEDIC ONE
GIG HARBOR, WASHINGTON

PROJECT # 2022011

BID SET

ISSUE DATE AUGUST 1, 2025

REVISION SCHEDULE

1	ADDENDUM 1	9/5/2025
3	ADDENDUM 3	9/19/2025

PLANTING PLAN

SHEET # **L01.00**

J:\18174 - GHFMO Station 51\500 Design\502 Drawings\Sheets\Landscape\18174 - L01.00 Landscape Plan ADD 3.dwg

GENERAL NOTES

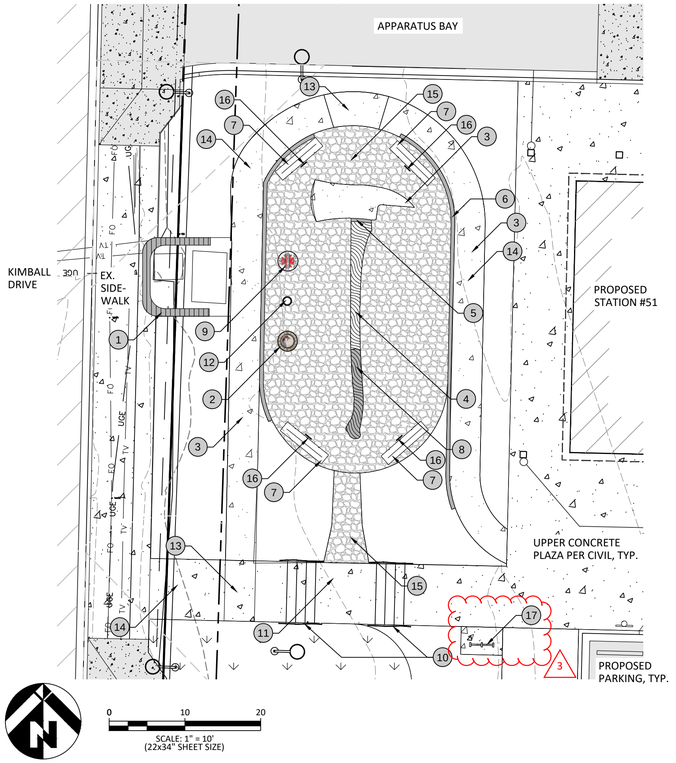
1. SEE SHEET L01.00 FOR PLANTING PLAN, L01.01 FOR FRONT PLAZA PLAN
2. SEE SHEETS L02.00-L02.02 FOR LANDSCAPE NOTES & DETAILS
3. SEE SHEET L03.00 FOR IRRIGATION PLAN
4. SEE SHEETS L04.00, L04.01 FOR IRRIGATION NOTES & DETAILS
5. SEE SHEETS L05.00-L05.03 FOR TREE RETENTION PLANS

LEGEND

- LAWN AREA TYP. (HYDROSEEDED, SEE SPEC. SECTION 323113)
- TREE PROTECTION AREA, 2" DEPTH BARK MULCH ONLY. NO GROUND DISTURBANCE, ERADICATE EX. GRASSES PRIOR TO MULCHING, TYP. DO NOT BARK MULCH OR DISTURB AREAS BEYOND LIMIT OF WORK, TYP.
- × PROPOSED REMOVED TREE, SEE TREE RETENTION SHEETS L05.00-L05.03.
- PROPERTY LINE

PLAZA KEY NOTES (SEE SPEC. SECTION 323300 FOR MORE INFORMATION)

1. MANORSTONE BLOCK WALL, COLOR NW BLEND. SEE DETAIL #1 SHEET L02.02.
2. FISH THEME MOSAIC COMPASS ROSE, 30' Ø. SEE DETAIL #3 SHEET L02.02.
3. BROOM FINISH CONCRETE, SEE DETAILS SHEET C05.01 & C05.02, TYP.
4. AXE, TEXTURED WOOD COLOR CONCRETE, SEE DETAIL #2 SHEET L02.02.
5. 6' CHARCOAL CONCRETE BAND, SEE SHEET C05.01 & 05.02, TYP.
6. 6' EXPOSED CURB (EDGE RESTRAINT), SEE DETAILS SHEET C05.03.
7. 6' BASALT STONE RUSTIC BENCH (4 TOTAL), SEE DETAIL #4 SHEET L02.02, TYP.
8. AXE, TEXTURED WOOD COLOR CONCRETE, SEE DETAIL #2 SHEET L02.02.
9. GHFMO LOGO MOSAIC TILE 30" Ø. SEE DETAIL #3 SHEET L02.02.
10. NON-ADA ENTRY ROUTE W/ STAIR & OI HANDRAILS, SEE CIVIL PLANS, TYP.
11. STAIR LANDING & CONNECTOR WALK TO PLAZA, SEE CIVIL PLANS, TYP.
12. FLAGPOLE, INSTALL PER MANUFACTURER SPECIFICATIONS & DETAILS.
13. PAVED LANDING ALONG 5% OR LESS GRADE ADA ROUTE. SEE CIVIL PLANS, TYP.
14. 5% OR LESS GRADE ADA ENTRY WALK ROUTE. SEE CIVIL PLANS, TYP.
15. IRREGULAR STONE STAMPED CONCRETE, SEE DETAIL #2 SHEET L02.02 TYP.
16. ALCON LIGHTING SST75W MULTI-TAP LED TRANSFORMER FOR LOW VOLTAGE LIGHTING OR APPROVED EQUAL (SET FLUSH IN CONCRETE SLAB ON-GRADE)
17. BIKE RACK, SEE DETAIL #1 SHEET L02.00.



PLANT SCHEDULE SITE PLAN

SYMBOL	BOTANICAL / COMMON NAME	SIZE	CONTAINER
TREES			
	ACER CIRCINATUM / VINE MAPLE	6-7` HT.	B&B
	PINUS CONTORTA / SHORE PINE	6-7` HT.	B&B
	PRUNUS SERRULATA 'KWANZAN' / KWANZAN JAPANESE FLOWERING CHERRY	1.5" CAL.	B&B
	PSEUDOTSUGA MENZIESII / DOUGLAS FIR	6-7` HT.	B&B
	STEWARTIA PSEUDOCAMELLIA / JAPANESE STEWARTIA	1.5" CAL.	B&B
	ULMUS X `FRONTIER` / FRONTIER ELM	2" CAL.	B&B
SHRUBS			
	ABELIA X GRANDIFLORA `KALEIDOSCOPE` / GLOSSY ABELIA	2 GAL.	POT
	AZALEA X `HINO CRIMSON` / HINO CRIMSON AZALEA	2 GAL.	POT
	BERBERIS THUNBERGII `GOLDEN RING` / BARBERRY	2 GAL.	POT
	CEANOTHUS `VICTORIA` / VICTORIA CEANOTHUS	5 GAL.	POT
	CORNUS STOLONIFERA `CARDINAL` / CARDINAL RED TWIG DOGWOOD	2 GAL.	POT
	CORNUS STOLONIFERA `FLAVIRAMEA` / YELLOWTWIG DOGWOOD	2 GAL.	POT
	ILEX CRENATA `HELLERI` / HELER JAPANESE HOLLY	5 GAL.	POT
	MISCANTHUS SINENSIS `MORNING LIGHT` / EULALIA GRASS	1 GAL.	POT
	NANDINA DOMESTICA `TUSCAN FLAME` / TUSCAN FLAME HEAVENLY BAMBOO	2 GAL.	POT
	OSMANTHUS HETEROPHYLLUS `GOSHIKI` / GOSHIKI HOLLY OLIVE	5 GAL.	POT
	PENNISETUM ALOPECUROIDES `HAMELN` / HAMELN FOUNTAIN GRASS	1 GAL.	POT
	POLYSTICHUM MUNITUM / WESTERN SWORD FERN	1 GAL.	POT
	RHODODENDRON X `PURPLE GEM` / RHODODENDRON	2 GAL.	POT
	RHODODENDRON X `RAMAPO` / RAMAPO RHODODENDRON	2 GAL.	POT
	ROSA RUGOSA / RUGOSA ROSE	2 GAL.	POT
	SPIRAEA JAPONICA `WALBUMA` / MAGIC CARPET SPIREA	2 GAL.	POT
	VACCINIUM OVATUM / EVERGREEN HUCKLEBERRY	2 GAL.	POT
	VIBURNUM PLICATUM `DOUBLEFILE` / DOUBLEFILE VIBURNUM	5 GAL.	POT

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GIG HARBOR "THE MARITIME CITY"

ISSUED FOR CONSTRUCTION BY:

COMMUNITY DEVELOPMENT DIRECTOR

DATE

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
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STATE OF WASHINGTON · NATHANIEL T. LOMBARD · NO. 2021 EXP. 3/1/2026 · LICENSED LANDSCAPE ARCHITECT

STATION 51 ADDITION
GIG HARBOR FIRE AND MEDIC ONE
GIG HARBOR, WASHINGTON

PROJECT # 2022011

BID SET

ISSUE DATE AUGUST 1, 2025

REVISION SCHEDULE		
3	ADDENDUM 3	9/19/2025

FRONT PLAZA PLAN

SHEET # **L01.01**

J:\18174 - GHFMO Station 51\500 Design\502 Drawings\Sheets\Landscape\18174 - L01.00 Landscape Plan ADD 3.dwg

GENERAL NOTES

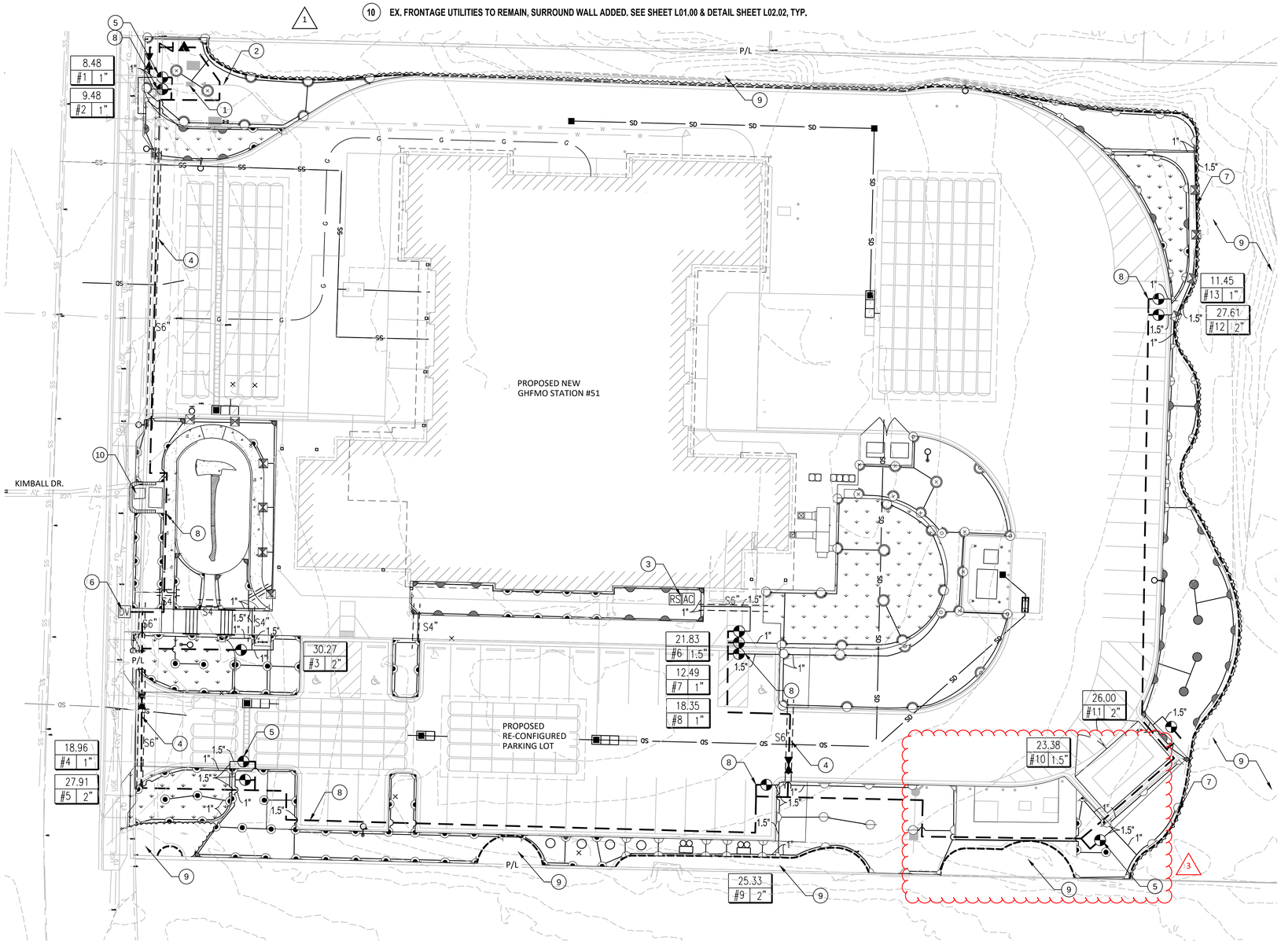
1. SEE SHEET L01.00 FOR PLANTING PLAN, L01.01 FOR FRONT PLAZA PLAN
2. SEE SHEETS L02.00/L02.01 FOR LANDSCAPE DETAILS
3. SEE SHEET L03.00 FOR IRRIGATION PLAN
4. SEE SHEETS L04.00/L04.01 FOR IRRIGATION NOTES & DETAILS
5. SEE SHEETS L05.00-L05.03 FOR TREE RETENTION PLANS

LEGEND

- LAWN AREA TYP. (HYDROSEEDED, SEE SPEC. SECTION 329200)
- TREE PROTECTION AREA, 2" DEPTH BARK MULCH ONLY. NO GROUND DISTURBANCE, ERADICATE EX. GRASSES PRIOR TO MULCHING, TYP. DO NOT BARK MULCH OR DISTURB AREAS BEYOND LIMIT OF WORK, TYP.
- × PROPOSED REMOVED TREE, SEE TREE RETENTION SHEETS L05.00-L05.03.
- PROPERTY LINE

KEY NOTES

1. PROPOSED NEW 1" DEDICATED IRRIGATION WATER METER USING EX. METER STUBOUTS, SEE SHEET C05.11.
2. POINT OF CONNECTION AT NEW 1" METER, SEE LEGEND AND DETAIL #1 SHEET L04.01.
3. AUTOMATIC CONTROLLER MOUNTED ON OUTSIDE WALL , INSTALL RAIN SENSOR IN A WEATHER EXPOSED LOCATION. COORDINATE POWER w/ ELECTRICAL CONTRACTOR & OWNER'S REPRESENTATIVE.
4. SCH. 40 SLEEVE UNDER HARDSCAPES. SIZE AS SHOWN, SEE DETAIL #2 SHEET L04.00, TYP.
5. AUTOMATIC CONTROL VALVE, SEE DETAIL #7 SHEET L04.01, TYP.
6. MANUAL DRAIN VALVE (MAINLINE). SEE DETAIL #1 SHEET L04.01.
7. LIMIT OF WORK LINE, TYP.
8. SYSTEM DESIGN IS DIAGRAMMATIC, LOCATE PIPING AND OTHER IRRIGATION EQUIPMENT IN SLEEVES, LAWN OR BED AREAS (BED AREAS PREFERABLE), TYP.
9. PRESERVE AND PROTECT EX. VEGETATION TO REMAIN DURING CONSTRUCTION, TYP.
10. EX. FRONTAGE UTILITIES TO REMAIN, SURROUND WALL ADDED. SEE SHEET L01.00 & DETAIL SHEET L02.02, TYP.



IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	GPM	PSI	RADIUS	SHEET #
	SPRAY HEADS				
	RAINBIRD 1800-SAM-5Q	.10	30	5'	L04.01
	RAINBIRD 1800-SAM-5H	.20	30	5'	L04.01
	RAINBIRD 1800-SAM-5F	.41	30	5'	L04.01
	RAINBIRD 1800-SAM-8Q	.26	30	8'	L04.01
	RAINBIRD 1800-SAM-8H	.52	30	8'	L04.01
	RAINBIRD 1800-SAM-8F	1.05	30	8'	L04.01
	RAINBIRD 1800-SAM-10Q	.39	30	10'	L04.01
	RAINBIRD 1800-SAM-10H	.79	30	10'	L04.01
	RAINBIRD 1800-SAM-10F	1.58	30	10'	L04.01
	RAINBIRD 1800-SAM-12Q	.65	30	12'	L04.01
	RAINBIRD 1800-SAM-12H	1.30	30	12'	L04.01
	RAINBIRD 1800-SAM-12F	2.60	30	12'	L04.01
	RAINBIRD 1800-SAM-15Q	.92	30	15'	L04.01
	RAINBIRD 1800-SAM-15H	1.85	30	15'	L04.01
	RAINBIRD 1800-SAM-15F	3.70	30	15'	L04.01
	RAINBIRD 15-EST	.61	30	4X15'	L04.01
	RAINBIRD 15-SST	1.21	30	4X30'	L04.01
	ROTARY NOZZLES (ON SPRAY HEADS)				
	RAINBIRD 1800-RVAN14	.32	45	8-14'	L04.01
	RAINBIRD 1800-RVAN14	.63	45	8-14'	L04.01
	RAINBIRD 1800-RVAN14	1.27	45	8-14'	L04.01
	RAINBIRD 1800-RVAN18	.50	45	13-18'	L04.01
	RAINBIRD 1800-RVAN18	1.01	45	13-18'	L04.01
	RAINBIRD 1800-RVAN18	1.85	45	13-18'	L04.01
	RAINBIRD 1800-RVAN24	.84	45	17-24'	L04.01
	RAINBIRD 1800-RVAN24	1.68	45	17-24'	L04.01
	RAINBIRD 1800-RVAN24	3.48	45	17-24'	L04.01

SYMBOL	DESCRIPTION	MANU.	TYPE	SHEET #
	EQUIPMENT			
	AUTO. CONTROL VALVE	RAINBIRD	PEB (w/ DECODER)	L04.01
	QUICK COUPLING VALVE	RAINBIRD	44-DLRC	L04.01
	ISOLATION VALVE	APOLLO	32-100	L04.01
	DOUBLE CHECK VALVE	FEBCO	850-1.25"	L04.01
MD	MANUAL DRAIN VALVE	NIBCO	T-311-Y 1"	L04.01
RS	RAIN SENSOR	HUNTER	RAIN-CLIK	
AC	CONTROLLER	HUNTER	HCC-800-M (2-WIRE)	L04.00
	MAINLINE		2" SCH 40 PVC	L04.01
	LATERAL LINE		CLASS 200 PVC	L04.00
	SLEEVE (S4"/S6"=4" & 6")		SCH 40 PVC	L04.00
0.00 / 0 X.X"	GALLONS PER MINUTE (G.P.M) VALVE SIZE ZONE NUMBER			

0 20 40
SCALE: 1" = 20'
(22x34" SHEET SIZE)

Know what's below. Call before you dig.

GIG HARBOR "THE MARITIME CITY"

ISSUED FOR CONSTRUCTION BY:

COMMUNITY DEVELOPMENT DIRECTOR

DATE

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

MacKay Sposito
ENERGY PUBLIC WORKS LAND DEVELOPMENT
www.mackaysposito.com

STATE OF WASHINGTON · NATHANIEL T. LOWRY · No. 2021 EXP. 3/1/2026 · REGISTERED LANDSCAPE ARCHITECT

STATION 51 ADDITION
GIG HARBOR FIRE AND MEDIC ONE
GIG HARBOR, WASHINGTON

PROJECT # 2022011

BID SET

ISSUE DATE AUGUST 1, 2025

REVISION SCHEDULE

1	ADDENDUM 1	9/5/2025
3	ADDENDUM 3	9/19/2025

IRRIGATION PLAN

SHEET # **L03.00**

J:\18174 - GHFMO Station 51\500 Design\502 Drawings\Sheets\Landscape\18174 - L03.00 Irrigation Plan.dwg

ABBREVIATIONS

-- A --	
A	AMP
AA	ART & ACCESSORIES
AB	ANCHOR BOLT
AC	AIR CONDITIONING
ACST	ACOUSTIC(AL)
ACT	ACOUSTIC CEILING TILE
AD	AREA DRAIN
ADJ	ADJACENT,
	ADJUST(ABLE)
AFF	ABOVE FLOOR FINISH
AHU	AIR HANDLING UNIT
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
AP	ACCESS PANEL
APPROX	APPROXIMATELY
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
-- B --	
BATH	BATHROOM
BD	BOARD
BED	BEDROOM
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DECK
BOF	BOTTOM OF FRAMING
BOJ	BOTTOM OF JOIST
BTW	BETWEEN
BUR	BUILT UP ROOF(ING)
-- C --	
CAB	CABINET
CALC	CALCULATION
CB	CATCH BASIN,
	CORNER BEAD
CEM	CEMENT
CFOI	CONTRACTOR FURNISHED & OWNER INSTALLED
CIP	CAST IN PLACE
CJ	CONTROL JOINT,
	CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECT(ION)
CONSTR	CONSTRUCTION
CONT	CONTINUE,
	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CP	CEMENT PLASTER
CPT	CARPET
CS	CONCRETE SEALER
CSMT	CASEMENT
CTR	CENTER
CW	COLD WATER
-- D --	
D	DEEP,
	DRYER
DBL	DOUBLE
DEMO	DEMOLISH(ED),
	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPOSAL
DL	DEAD LOAD
DN	DOWN
DP	DECORATIVE PANEL
DR	DOOR,
	DINING ROOM,
	DRAIN
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING(S)
DWR	DRAWER
-- E --	
(E)	EXISTING
E	EAST
EA	EACH
EC	EDGE OF CURB
EE	EACH END
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSE(D),
	ENCLOSURE
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQP	EQUIPMENT
EST	ESTIMATE(D)
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXH	EXHAUST
EXP	EXPOSED,
	EXPANSION
EXT	EXTERIOR
-- F --	
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FDV	FIRE DEPARTMENT VALVE
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH,
	FINISH FACE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK,
	FIRE HOSE REEL
FIN	FINISH(ED)
FIXT	FIXTURE
FLASH	FLASHING
FLR	FLOOR
FMF	FLEXIBLE MEMBRANE FLASHING
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIREPLACE
FRP	FIBER REINFORCED PANELS
FRTW	FIRE RETARDANT TREATED WOOD
FRZ	FREEZER
FS	FULL SIZE
FCG	FURNITURE-CASEGOODS
FSG	FURNITURE-SOFTGOODS
FT	FOOT,
	FEET
FTG	FOOTING
FURR	FURRING
-- G --	
G	GROUND
GA	GAUGE
GALV	GALVANIZED
GAR	GARAGE
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFRG	GLASS FIBER REINFORCED GYPSUM
GI	GALVANIZED IRON
GL	GLASS,
	GLAZING
GLF	GLAZING FILM
GLULAM	GLUE LAMINATED
GR	GROSS

-- G CONTINUED --	
GT	GROUT
GWB	GYPSUM WALL BOARD
GYP	GYPSUM SHEATHING
-- H --	
H	HEIGHT,
	HIGH
HB	HOSE BIB
HC	HOLLOW CORE
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HGR	HANGER
HM	HOLLOW METAL
HRL	HANDRAIL
HORIZ	HORIZONTAL
HR	HOUR(S)
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
HWT	HOT WATER TANK
-- I --	
IGU	INSULATED GLAZING UNIT
IIC	IMPACT INSULATION CLASS
IN	INCH(ES)
INC	INCREASE
INCL	INCLUDE(D),
	INCLUDING
INFO	INFORMATION
INSTL	INSTALL(ATION)
INSUL	INSULATION
INT	INTERIOR
-- J --	
JAN	JANITOR
JBOX	JUNCTION BOX
JST	JOIST
JT	JOINT
-- K --	
KD	KILN DRIED
KIT	KITCHEN
KP	KICK PLATE
KW	KILOWATT
-- L --	
L	LEFT,
	LENGTH,
	LINEN,
	LONG
LAB	LABORATORY
LAM	LAMINATE(D)
LAU	LAUNDRY
LAV	LAVATORY
LB(S)	POUND(S)
LD	LIGHTING-DECORATIVE
LDG	LANDING
LF	LINEAL FOOT
LL	LIVE LOAD
LOC	LOCATION
LP	LIGHTING-PORTABLE
LPT	LOW POINT
LR	LIVING ROOM
LRG	LARGE
LT	LIGHT(ING)
LVR	LOUVER
-- M --	
MACH	MACHINE
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MASTER BEDROOM
MC	MEDICINE CABINET
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANIC(AL)
MED	MEDIUM
MEDS	MEDICINE,
	MEDICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MFRREC	MANUFACTURER'S RECOMMENDATION(S)
MGR	MANAGER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING,
	MONITOR
MIS	MIRROR & SHELF
MTD	MOUNTED
MTL	METAL
MUL	MULLION
MULT	MULTIPLE
MW	MICROWAVE OVEN
-- N --	
N	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA,
	NURSE CALL
NCAP	NURSE CALL ANNUNCIATOR PANEL
NE	NORTHEAST
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
NW	NORTHWEST
-- O --	
O/	OVER
OA	OVERALL
OC	ON CENTER
OCC	OCCUPANTS,
	OCCUPANT LOAD,
	OCCUPANCY
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED & CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED & OWNER INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OGL	OBSCURE GLASS
OH	OVERHEAD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
-- P --	
P	PAINT(ED),
	PANTRY
PC	PORTLAND CEMENT
PCC	PRECAST CONCRETE
PED	PEDESTAL
PERF	PERFORATED
PERM	PERMANENT
PERP	PERPENDICULAR
PF	PLUMBING FIXTURE
PFP	PREPARED FOR PAINT
PIV	POST INDICATOR VALVE
PL	PLATE,
	PROPERTY LINE
PLAS	PLASTER
PLBG	PLUMBING
PLY	PLYWOOD
PMTL	PAINTED METAL
PNT	PAINT
PP	POWER POLE
PR	PAIR
PREFAB	PREFABRICATE
PRELIM	PRELIMINARY
PRKG	PARKING
PROP	PROPERTY
PS	PROJECTOR SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESERVATIVE TREATED,
	PRESSURE TREATED,
	POST TENSIONED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE,
	POLYVINYL CHLORIDE PIPE
PVD	PROVIDE
PVG	PAVING

-- P CONTINUED --	
PVMT	PAVEMENT
PVR	PAVERS
PWR	POWER
-- Q --	
QTY	QUANTITY
QTZ	QUARTZ
-- R --	
R	RISER,
	RADIUS
RA	RESTROOM ACCESSORY
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REC	RECESSED
REF	REFERENCE,
	REFRIGERATOR
REINF	REINFORCE(D),
	REINFORCING
RES	RESILIENT
REQD	REQUIRED
RET	RETAINING
REV	REVISED,
	REVISION
RF	RAISED FLOOR(ING)
RM	ROOM
RO	ROUGH OPENING
ROW	RIGTH OF WAY
RP	RADIUS POINT
RR	RESTROOM
R/S	ROD & SHELF
RS	ROUGH SAWN
RT	RIGHT
RVL	REVEAL
-- S --	
S	SOUTH,
	SINK
SAN	SANITARY
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	STORM DRAIN
SE	SOUTHEAST
SEAL	SEALER,
	SEALANT
SECT	SECTION
SEP	SEPARATION
SF	SQUARE FEET
SG	SAFETY GLASS,
	SAFETY GLAZING
SHR	SHOWER
SHTG	SHEATHING,
	SHEETING
SHLV	SHELVING
SIM	SIMILAR
SM	SHEET METAL
SOG	SLAB ON GRADE
SOL	SOLID SURFACE
STD	STONE
SPEC	SPECIFICATION(S)
SPKLR	SPRINKLER
SPKR	SPEAKER
SQ	SQUARE
SQIN	SQUARE INCH
SS	SERVICE SINK,
	SANITARY SEWER
SST	STAINLESS STEEL
ST	STREET,
	STAIN
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SU	SOILED UTILITY
SUBFL	SUBFLOOR
SUSP	SUSPENDED
SW	SOUTHWEST,
	SWITCH
SYM	SYMMETRICAL
-- T --	
T	TREAD,
	TILE
T&B	TOP AND BOTTOM
TEL	TELEPHONE
TEMP	TEMPORARY,
	TEMPERATURE
TER	TERRAZZO
THK	THICK(NESS)
THRU	THROUGH
TI	TENANT IMPROVEMENT
TL	TOTAL LOAD
TMPD	TEMPERED
T&G	TONGUE AND GROOVE
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CURB,
	TOP OF CONCRETE
TOF	TOP OF FOOTING,
	TOP OF FLOOR,
	TOP OF FRAME
TOS	TOP OF SLAB,
	TOP OF STEEL
TOW	TOP OF WALL
TR	TRANSITION STRIP
TS	TUBE STEEL
TV	TELEVISION
TX	TEXTILES
TYP	TYPICAL
-- U --	
UC	UNDERCOUNTER,
	UNDERCABINET,
	UNDERCUT
UGND	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UP	UTILITY POLE
UTIL	UTILITY
-- V --	
V	VOLT(AGE)
VENT	VENTILATE,
	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VTO	VENT TO OUTSIDE
VTR	VENT THROUGH ROOF
-- W --	
W	WASHING MACHINE,
	WEST,
	WIDE,
	WIDTH
W/	WITH
W/D	WASHER & DRYER
W/O	WITHOUT
WB	WALL BASE
WC	WATER CLOSET,
	WALL COVERING
WCO	WINDOW COVERING
WD	WOOD
WDP	WALL/ DOOR PROTECTION
WF	WIDE FLANGE
WH	WATER HEATER
WIC	WALK-IN CLOSET
WIN	WINDOW
WM	WIRE MOLD,
	WATER METER,
	WIRE MESH
WO	WALK-OFF FLOORING
WP	WORK POINT,
	WATERPROOFING,
	WEATHERPROOF
WPM	WATERPROOF MEMBRANE
WR	WATER REPELLENT,
	WATER RESISTANT
WRB	WATER RESISTANT BARRIER
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
-- Y --	
YD	YARD,
	YARD DRAIN

SYMBOL LEGEND

--VIEW REFERENCE--

- BUILDING SECTION (1 / A00.00)
- WALL SECTION, PARTIAL BUILDING SECTION (1 / A00.00)
- DETAIL SECTION (1 / A00.00)
- EXTERIOR ELEVATION (1 / A00.00)
- INTERIOR ELEVATION (1 / A00.00)
- ENLARGED PLAN, DETAIL PLAN (1 / A00.00)

--ANNOTATIONS--

- BREAK LINE
- ELEVATION LEVEL (LEVEL 1, 0'-0")
- GRAPHIC SCALE (0, 4', 8', 16')
- GRID LINE (1 / A)
- NORTH ARROW (N, SCALE: 1/8" = 1'-0")
- REVISION CLOUD W/ TAG (1 / REF)
- SPOT ELEVATION (0")

--LINE STYLES--

- BUILDING SETBACK LINE
- CENTERLINE
- CLEARANCE
- ELEMENT BEYOND
- HIDDEN ELEMENT
- MATCH LINE (MATCH LINE / SEE 1 / A00.01)
- OVERHEAD ELEMENT
- PROPERTY LINE

--CONSTRUCTION PHASE--

- EXISTING ELEMENT TO REMAIN
- DEMOLITION ELEMENT
- NEW CONSTRUCTION ELEMENT

--TAGS--

- CEILING (HEIGHT) — CEILING TAG
- 100A — DOOR TAG, CASED OPENING TAG
- FIN-1 — FINISH MATERIAL TAG
- F1 — FLOOR TAG
- EQP-1 — FURNITURE, FIXTURE, EQUIPMENT TAG
- GL-1 — GLAZING TAG
- 01 — KEYNOTE
- R1 — ROOF TAG
- ROOM NAME (100) — ROOM TAG
- S1 — STOREFRONT TAG
- 01A — WALL TAG
- W1 — WINDOW TAG

--MATERIAL SYMBOLS & PATTERNS--

- ALUMINUM
- BATT INSULATION
- BLOCKING, SHIM
- BRICK (PLAN VIEW)
- CONCRETE
- CMU (PLAN VIEW)
- CONTINUOUS WOOD FRAMING
- EARTH BELOW GRADE
- GLASS (SECTION VIEW)
- GRAVEL
- GYPSUM WALL BOARD, GYPSUM SHEATHING
- OUT OF PROJECT SCOPE
- PLYWOOD
- RIGID INSULATION
- STEEL
- WOOD

1. DRAWINGS HAVE BEEN PREPARED ON AN ORIGINAL SHEET SIZE OF 30" X 42".
2. COMPLY WITH CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK.
3. OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK.
4. REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY CONFLICTS OR OMISSIONS TO THE ARCHITECT AND OWNER FOR CLARIFICATION PRIOR TO BIDDING OR PERFORMING ANY WORK IN QUESTION.
5. SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES TO ARCHITECT AND OWNER FOR REVIEW PRIOR TO PURCHASE, FABRICATION OR INSTALLATION. SEE PROJECT SPECIFICATIONS.
6. OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "N/C" UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.
7. GC TO COORDINATE SIGNAGE, GRAPHICS, TELECOMMUNICATIONS, DATA AND SECURITY SYSTEM INSTALLATIONS WITH ARCHITECT, OWNER, AND OWNER'S VENDORS TYPICAL. NOTIFY OWNER AND ARCHITECT OF COORDINATION ISSUES PRIOR TO FABRICATION AND INSTALLATION.
8. MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION.
9. DO NOT SCALE DRAWINGS. THE WRITTEN DIMENSIONS GOVERN. IN THE CASE OF A CONFLICT, NOTIFY THE ARCHITECT FOR CLARIFICATION.
10. PARTITIONS ARE DIMENSIONED FROM FACE OF STUD TO FACE OF STUD, UNLESS OTHERWISE NOTED. MAINTAIN DIMENSIONS MARKED "CLEAR". ALLOW FOR THICKNESS OF FINISHES.
11. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND EQUIPMENT ITEMS AS ATTACHED, MOUNTED OR BRACED TO WALLS OR CEILINGS.
12. DOORS SHALL BE TRIMMED AT THRESHOLD TO PROVIDE 1/4" MIN., 3/4" MAX. CLEARANCE (U.O.N.) ABOVE FLOOR FINISH MATERIAL TO ALLOW FOR FULL DOOR SWING.
13. OPENING FORCE FOR INTERIOR SIDE-SWINGING DOORS WITHOUT CLOSERS SHALL NOT EXCEED A 5 POUND FORCE. FOR OTHER SIDE-SWINGING, SLIDING AND FOLDING DOORS, DOOR LATCH SHALL RELEASE WHEN SUBJECTED TO A 15 POUND FORCE APPLIED TO THE LATCH SIDE.
14. DRAWINGS ARE THE PROPERTY OF RICE FERGUS MILLER AND HAVE BEEN PREPARED FOR THE USE IN THE EXECUTION OF THE ENCLOSED PROJECT. USE OR REPRODUCTION FOR AN OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF RICE FERGUS MILLER IS PROHIBITED.

DRAWING INDEX

SHEET #	SHEET NAME
GENERAL	
A00.01	PROJECT INFORMATION, VICINITY MAP, PROJECT DESIGN TEAM
A00.02	DRAWING INDEX, GENERAL INFORMATION
A00.03	CODE SUMMARY
A00.04	ACCESSIBILITY GUIDELINES - BUILDING ELEMENTS
A00.05	ACCESSIBILITY GUIDELINES - SITE
CIVIL	
C00.00	COVER SHEET
C00.01	LEGEND
C00.02	GENERAL NOTES
C01.01	DEMOLITION & TESC
C01.02	TESC NOTES & DETAILS
C01.01	SITE PLAN
C02.02	CIRCULATION PLAN
C02.03	FRONTAGE PLAN
C03.01	GRADING PLAN
C03.02	SITE SECTIONS
C03.03	DETAILED GRADING
C04.01	UTILITY PLAN
C04.02	PIPE PROFILE SHEET
C05.01	TRANSPORTATION DETAILS
C05.02	TRANSPORTATION DETAILS
C05.03	TRANSPORTATION DETAILS
C05.04	STORM DETAILS
C05.05	STORM DETAILS
C05.06	STORM DETAILS
C05.07	STORM DETAILS
C05.08	STORM DETAILS
C05.09	MISC DETAILS
C05.10	SANITARY DETAILS
C05.11	WATER DETAILS
C05.12	WATER DETAILS
LANDSCAPE	
L01.00	PLANTING PLAN
L01.01	FRONT PLAZA PLAN
L02.00	LANDSCAPE DETAILS
L02.01	LANDSCAPE DETAILS
L02.02	LANDSCAPE DETAILS
L03.00	IRRIGATION PLAN
L04.00	IRRIGATION DETAILS
L04.01	IRRIGATION DETAILS
L04.02	IRRIGATION NOTES
L05.00	TREE PRESERVATION PLAN
L05.01	TREE PRESERVATION PLAN
L05.02	TREE PRESERVATION PLAN
L05.03	TREE PRESERVATION PLAN
ARCHITECTURAL	
A01.01	LIFE SAFETY PLAN
A02.01	AIR BARRIER
A03.01	ASSEMBLY TYPES
A03.02	ASSEMBLY TYPES
A11.01	SITE PLAN
A11.01A	SITE DETAILS
A11.01B	SITE DETAILS
A12.02	SITE PERSPECTIVES
A20.00	DEMOLITION EXISTING SITE PLAN
A20.01A	DEMOLITION EXISTING FLOOR PLAN (ORIGINAL) - FOR REFERENCE ONLY
A20.01B	DEMOLITION EXISTING FLOOR PLAN (REMODEL) - FOR REFERENCE ONLY
A20.02	DEMOLITION EXISTING FOUNDATION PLANS - FOR REFERENCE ONLY
A20.03	DEMOLITION EXISTING FOUNDATION PLAN (SHEAR WALL RETROFIT) - FOR REFERENCE ONLY
A20.04	DEMOLITION EXISTING BUILDING ELEVATIONS- FOR REFERENCE ONLY
A20.05	DEMOLITION EXISTING BUILDING SECTIONS - FOR REFERENCE ONLY
A20.06	DEMOLITION EXISTING BUILDING SECTIONS - FOR REFERENCE ONLY
A20.07	DEMOLITION EXISTING HOSE TOWER DETAILS - FOR REFERENCE ONLY
A20.08	DEMOLITION EXISTING PLUMBING FLOOR PLAN - FOR REFERENCE ONLY
A20.09	DEMOLITION EXISTING MECHANICAL FLOOR PLAN - FOR REFERENCE ONLY
A20.10	DEMOLITION EXISTING MECHANICAL ROOF PLAN - FOR REFERENCE ONLY
A20.11	DEMOLITION EXISTING LIGHTING FLOOR PLAN - FOR REFERENCE ONLY
A20.12	DEMOLITION EXISTING POWER FLOOR PLAN - FOR REFERENCE ONLY
A20.13	DEMOLITION EXISTING ELEC FLOOR PLAN - FOR REFERENCE ONLY
A21.01	SLAB PLAN
A22.01	FLOOR PLAN - MAIN LEVEL - ANNOTATION
A22.02	FLOOR PLAN - UPPER LEVEL - ANNOTATION
A22.03	FLOOR PLAN - MAIN LEVEL - DIMENSION
A22.04	FLOOR PLAN - UPPER LEVEL - DIMENSION
A23.01	FINISH PLAN & SCHEDULE - MAIN LEVEL
A23.02	FINISH PLAN & SCHEDULE - UPPER LEVEL
A24.01	REFLECTED CEILING PLAN - MAIN LEVEL
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E1.03SL	KIMBALL DRIVE - POINT BY POINT LIGHTING CALCULATIONS - SIDEWALK
TOTAL NUMBER OF SHEETS: 214	

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT # 2022011

BID SET

ISSUE DATE AUGUST 15, 2025

REVISION SCHEDULE

03	ADDENDUM #03	9/19/2025

AHJ APPROVAL STAMP

DRAWING INDEX, GENERAL INFORMATION

SHEET #

A00.02

OCCUPANT LOAD CHART BY ROOM

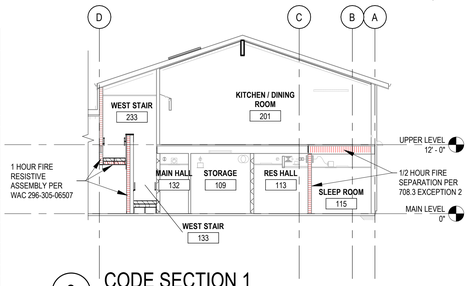
ROOM INFORMATION			OCCUPANCY	IBC 2018 TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT			OCCUPANT
NUMBER	NAME	AREA	CLASSIFICATION	FUNCTION OF SPACE	LOAD FACTOR	GROSS/ NET	LOAD
100	VESTIBULE	62 SF		BUSINESS AREAS	150 SF	GROSS	1
101	ADA RESTROOM	79 SF		BUSINESS AREAS	150 SF	GROSS	1
102	CONFERENCE ROOM	201 SF		BUSINESS AREAS	150 SF	GROSS	2
103	STORAGE	33 SF		BUSINESS AREAS	150 SF	GROSS	1
104	ENTRY HALL	300 SF		BUSINESS AREAS	150 SF	GROSS	2
105	BC OFFICE	319 SF		BUSINESS AREAS	150 SF	GROSS	3
106	LT. OFFICE	143 SF		BUSINESS AREAS	150 SF	GROSS	1
107	LT. OFFICE	143 SF		BUSINESS AREAS	150 SF	GROSS	1
108	FFWA	324 SF		BUSINESS AREAS	150 SF	GROSS	3
109	STORAGE	57 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
110	LAUNDRY	122 SF		RESIDENTIAL	200 SF	GROSS	1
111	SHOWER/RR	94 SF		RESIDENTIAL	200 SF	GROSS	1
112	ADA SHOWER/RR	103 SF		RESIDENTIAL	200 SF	GROSS	1
113	RES HALL	1108 SF		RESIDENTIAL	200 SF	GROSS	6
114	SLEEP ROOM	105 SF		RESIDENTIAL	200 SF	GROSS	1
115	SLEEP ROOM	105 SF		RESIDENTIAL	200 SF	GROSS	1
116	SLEEP ROOM	105 SF		RESIDENTIAL	200 SF	GROSS	1
117	SLEEP ROOM	106 SF		RESIDENTIAL	200 SF	GROSS	1
118	SLEEP ROOM	106 SF		RESIDENTIAL	200 SF	GROSS	1
119	SLEEP ROOM	106 SF		RESIDENTIAL	200 SF	GROSS	1
120	SLEEP ROOM	106 SF		RESIDENTIAL	200 SF	GROSS	1
121	SLEEP ROOM	105 SF		RESIDENTIAL	200 SF	GROSS	1
122	ADA SLEEP ROOM	162 SF		RESIDENTIAL	200 SF	GROSS	1
123	SLEEP ROOM	105 SF		RESIDENTIAL	200 SF	GROSS	1
124	SLEEP ROOM	105 SF		RESIDENTIAL	200 SF	GROSS	1
125	STORAGE	21 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
126	ADA SHOWER/RR	103 SF		RESIDENTIAL	200 SF	GROSS	1
127	SHOWER/RR	93 SF		RESIDENTIAL	200 SF	GROSS	1
128	SHOWER/RR	92 SF		RESIDENTIAL	200 SF	GROSS	1
129	JANITOR	86 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
130	DISASTER STORAGE	108 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
131	FITNESS	729 SF		EXERCISE ROOMS	50 SF	GROSS	15
132	MAIN HALL	756 SF		RESIDENTIAL	200 SF	GROSS	4
133	WEST STAIR	142 SF		RESIDENTIAL	200 SF	GROSS	1
134	EMS SUPPLY	143 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
135	ELECT / IT ROOM	105 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
136	EAST STAIR	154 SF		RESIDENTIAL	200 SF	GROSS	1
137	COMMS	17 SF		PARKING GARAGES	200 SF	GROSS	1
138	APPARATUS BAYS	5348 SF		PARKING GARAGES	200 SF	GROSS	27
139	NORTH APPARATUS BAYS	1072 SF		PARKING GARAGES	200 SF	GROSS	6
140	MAINT. SHOP	159 SF		PARKING GARAGES	200 SF	GROSS	1
141	NORTH STAIR	149 SF		PARKING GARAGES	200 SF	GROSS	1
142	GENERAL STORAGE	102 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
143	JANITOR SUPPLY	86 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
144	APP BAY R.R.	82 SF		PARKING GARAGES	200 SF	GROSS	1

OCCUPANT LOAD CHART BY ROOM

ROOM INFORMATION			OCCUPANCY	IBC 2018 TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT			OCCUPANT
NUMBER	NAME	AREA	CLASSIFICATION	FUNCTION OF SPACE	LOAD FACTOR	GROSS/ NET	LOAD
145	BUNKER GEAR ROOM	560 SF		PARKING GARAGES	200 SF	GROSS	3
146	HALL	129 SF		PARKING GARAGES	200 SF	GROSS	1
147	GEAR STORAGE	136 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
148	DECON	300 SF		PARKING GARAGES	200 SF	GROSS	2
149	AIR ROOM	148 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
150	ELECTRICAL ROOM	244 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
151	WATER ROOM	454 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	2
ELEV	ELEVATOR	66 SF		RESIDENTIAL	200 SF	GROSS	1
MAIN LEVEL		15888 SF					116
201	KITCHEN / DINING ROOM	1085 SF		RESIDENTIAL	200 SF	GROSS	6
201A	WEST BALCONY	447 SF		ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	30
202	MECH.	89 SF		RESIDENTIAL	200 SF	GROSS	1
203	POLE	64 SF		RESIDENTIAL	200 SF	GROSS	1
204	WELLNESS	105 SF		RESIDENTIAL	200 SF	GROSS	1
205	TRAINING ROOM	626 SF		ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	42
206	RESTROOM	72 SF		RESIDENTIAL	200 SF	GROSS	1
207	RESTROOM	73 SF		RESIDENTIAL	200 SF	GROSS	1
208	JANITOR	76 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
209	UPPER HALL	543 SF		RESIDENTIAL	200 SF	GROSS	3
210	ELEC. / IT	105 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	1
212	DAYROOM	690 SF		RESIDENTIAL	200 SF	GROSS	4
213	EAST BALCONY	264 SF		ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED	15 SF	NET	18
214	MEZZANINE	604 SF		ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 SF	GROSS	3
233	WEST STAIR	238 SF		RESIDENTIAL	200 SF	GROSS	2
236	EAST STAIR	193 SF		RESIDENTIAL	200 SF	GROSS	1
UPPER LEVEL		5273 SF					116
TOTAL		21160 SF					232

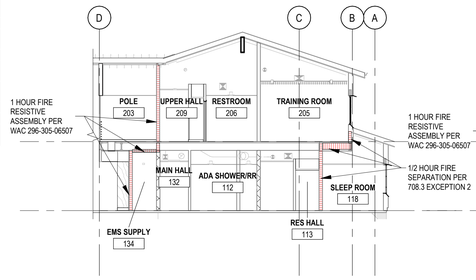
GROSS BUILDING AREA

LEVEL	OCCUPANCY CLASSIFICATION	AREA
MAIN LEVEL	B	1,680 SF
MAIN LEVEL	R-2	5,300 SF
MAIN LEVEL	S-2	9,520 SF
UPPER LEVEL	A	1,450 SF
UPPER LEVEL	R	3,580 SF
UPPER LEVEL	S-2	570 SF
BUILDING TOTAL		22,100 SF



3 CODE SECTION 1

3/32" = 1'-0"



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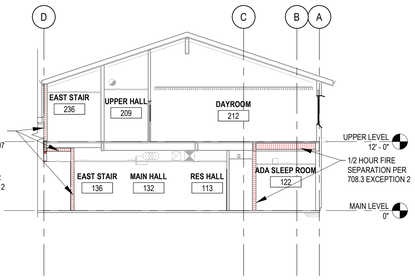


5 CODE SECTION 3

3/32" = 1'-0"

NOTES & LEGEND - LIFE SAFETY PLAN

1. PROVIDE EXIT SIGNAGE PER 2021 IBC 1009.9, 1009.10, 1009.11, AND 1013.
2. PROVIDE MEANS OF EGRESS ILLUMINATION PER 2021 IBC 1008.

45 MIN — FIRE RATED DOOR

00.00" / 00.00" — MEANS OF EGRESS CAPACITY *WIDTH PROVIDED* / *WIDTH REQUIRED*

FP 1 HR — FIRE PARTITION, 1-HOUR

FB 1 HR — FIRE BARRIER, 1-HOUR

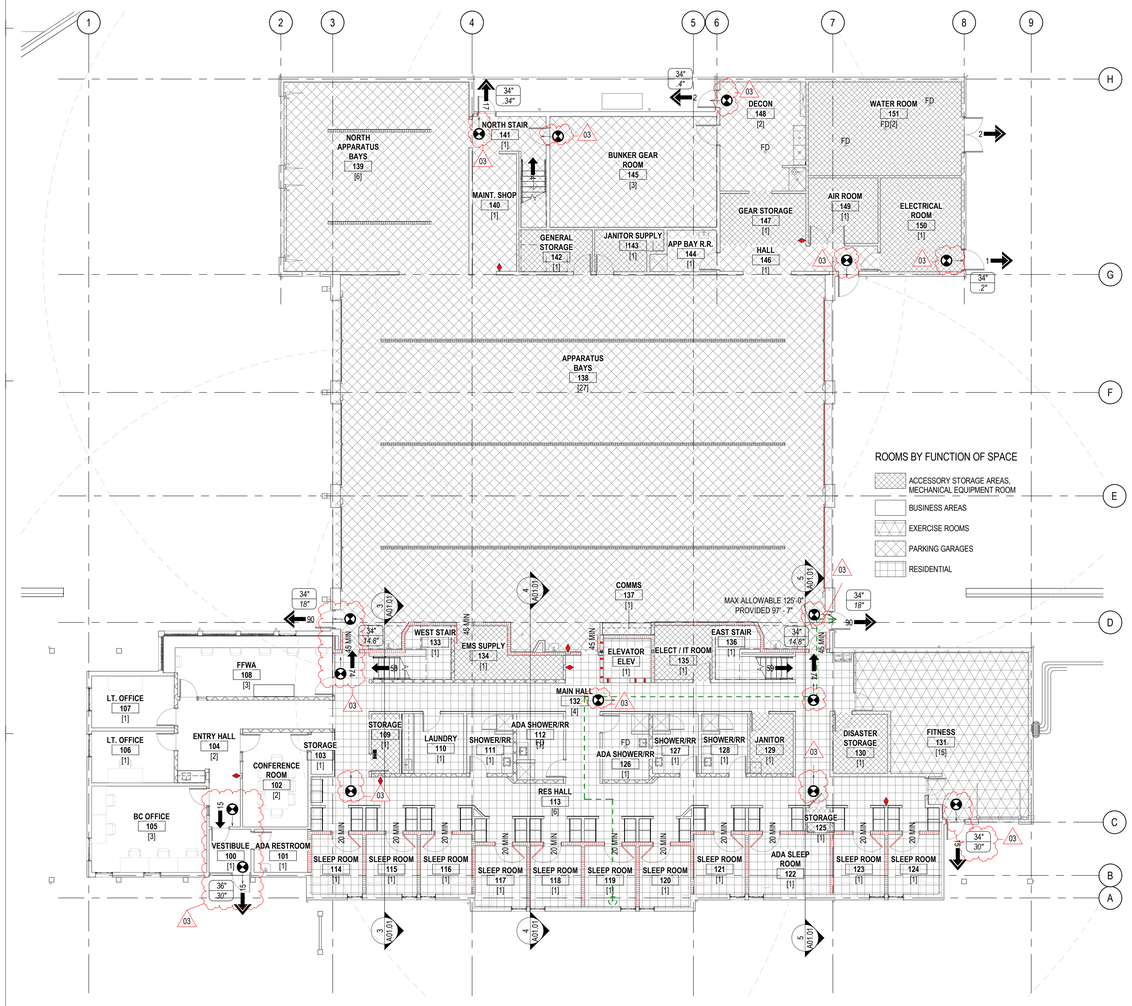
EXIT SIGN

FIRE EXTINGUISHER

EGRESS PATH

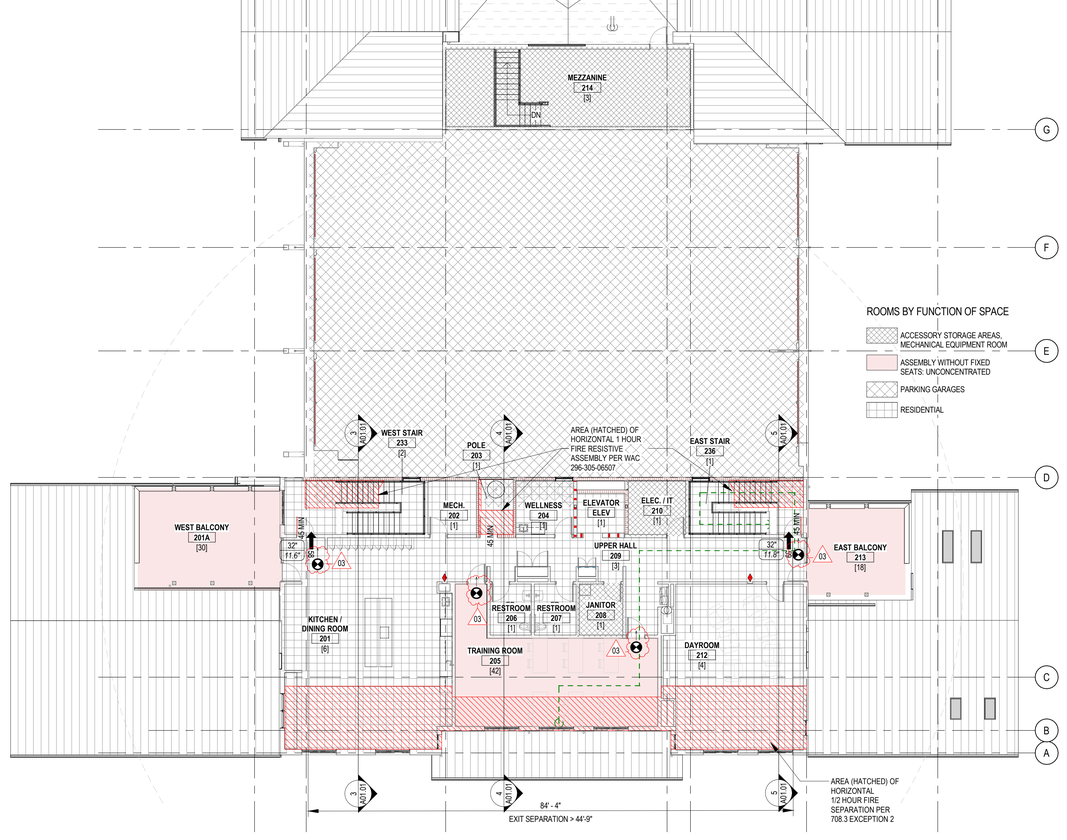
123 — EXIT ACCESS OCCUPANT LOAD

123 — EXIT DISCHARGE OCCUPANT LOAD



1 LIFE SAFETY PLAN - MAIN LEVEL

3/32" = 1'-0"



2 LIFE SAFETY PLAN - LEVEL 2

3/32" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT GUNNAR R. GLADICS STATE OF WASHINGTON

GIG HARBOR FIRE STATION 51

GIG HARBOR FIRE & MEDIC ONE

6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT # 2022011

BID SET

ISSUE DATE AUGUST 15, 2025

REVISION SCHEDULE

02	ADDENDUM #02	9/12/2025
03	ADDENDUM #03	9/19/2025

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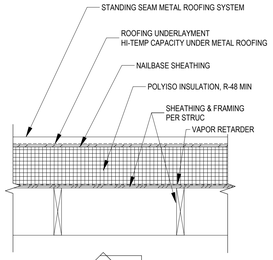
LIFE SAFETY PLAN

SHEET #

A01.01



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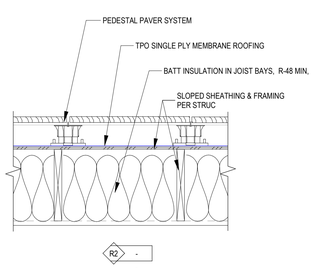

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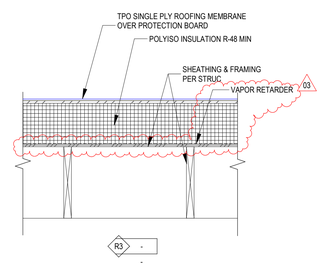

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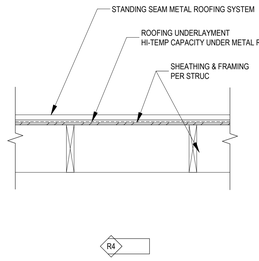


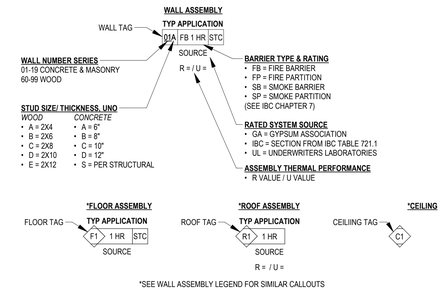
GA NOTES

- **GA 3242**
  Resilient channels 16" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 16" or 24" o.c. with 11/4" Type S drywall screws. One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S drywall screws 8" o.c. with vertical joints located midway between studs End joints backblocked with resilient channels. 3" mineral or glass fiber insulation in stud space. OPPOSITE SIDE: One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at parallel or at right angles to studs with 6d cement coated nails, 17/8" long, 0.0915" shank, 15/16" heads, 7" o.c. Vertical joints staggered 24" on opposite sides. Sound tested with studs spaced 24" o.c. (STC=50). Also sound tested with studs spaced 16" o.c. and with two layers of 5/8" type X gypsum board on the resilient channel side (STC=50))

- **GA 3644**
  One layer 5/8" type X gypsum wallboard applied at right angles to each side of 2 x 4 wood studs 16" o.c. with 21/4" Type S or W drywall screws 12" o.c. 31/2" mineral fiber insulation, nominal 2.5 pcf, friction fit in stud space.
  Vertical joints staggered 16" o.c., horizontal joints staggered 24" o.c., on opposite sides.

- **GA 5513**
  Base layer 1/2" type X gypsum wallboard applied at right angles to minimum 91/2" deep wood I-joists, with minimum 11/4" deep x 11/2" wide flanges and minimum 3/8" webs, 24" o.c. with 15/8" Type W or S drywall screws 12" o.c. Face layer 1/2" type X gypsum wallboard applied at right angles to I-joists with 2" Type W or S drywall screws 12" o.c. at intermediate I-joists, 8" o.c. at end joints, and 11/2" Type G drywall screws 8" o.c. placed 6" back on either side of end joints. Joints offset 24" from base layer joints. Wood I-joists supporting 5/8" plywood with long edges T & G applied at right angles to I-joists with 8d common nails. 11/2" lightweight concrete poured over plywood.

NOTES & LEGEND - ASSEMBLY TYPES



*SEE WALL ASSEMBLY LEGEND FOR SIMILAR CALLOUTS

RATED ASSEMBLIES

TERMINATE FIRE RATED ASSEMBLIES AS DESCRIBED BELOW:

EXTERIOR WALLS PER IBC 705
1. FIRE SEPARATION >10 FT: RATED FOR FIRE EXPOSURE FROM INSIDE
2. FIRE SEPARATION <10 FT: RATED FOR FIRE EXPOSURE FROM BOTH SIDES

FIRE BARRIERS PER IBC 707
HORIZONTAL:
VOIDS AT THE INTERSECTION OF A FIRE BARRIER AND A NON-FIRE RATED EXTERIOR WALL ASSEMBLY SHALL BE FILLED WITH A MATERIAL OR SYSTEM APPROVED BY THE JURISDICTION. TESTED ASSEMBLY NOT REQUIRED AT THIS LOCATION.

VERTICAL OPTIONS:
1. FROM TOP OF FOUNDATION OR HORIZONTAL ASSEMBLY BELOW; TERMINATE AT UNDERSIDE OF STRUCTURAL DECK ABOVE AND SECURELY ATTACHED THERETO.
2. FIRE BARRIERS AROUND SHAFT, EXIT STAIRWAY AND RAMP ENCLOSURES THAT DO NOT EXTEND TO UNDERSIDE OF ROOF DECK SHALL BE ENCLOSED AT THE TOP WITH CONSTRUCTION AT MINIMUM FIRE RATING AS THE TOPMOST FLOOR PENETRATED BY THE SHAFT AND THE FIRE RATING OF THE SHAFT ENCLOSURE.

FIRE PARTITIONS PER IBC 708
FROM TOP OF FOUNDATION OR HORIZONTAL ASSEMBLY BELOW; TERMINATE AT UNDERSIDE OF STRUCTURAL DECK OR TO FIRE RATED HORIZONTAL ASSEMBLY ABOVE AND SECURELY ATTACHED THERETO. IN COMBUSTIBLE CONSTRUCTION, THE SPACE WITHIN THE FIRE RATED CEILING AND DECK ABOVE SHALL BE FIREBLOCKED OR DRAFTSTOPPED AT THE PARTITION LINE.

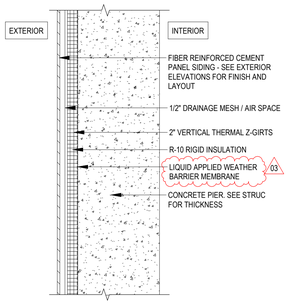
HORIZONTAL ASSEMBLIES PER IBC 711
VERTICAL OPENINGS NOT ALLOWED EXCEPT WHEN CONSTRUCTED AS A SHAFT ENCLOSURE OR PROTECTED PENETRATIONS AND JOINTS PER IBC 712.

FIREBLOCKING PER IBC 718.2
FIREBLOCKING MATERIALS (I.E. 2X LUMBER, 1/2" GYPSUM BOARD, SECURED BATT INSULATION AND OTHER MATERIALS LISTED IN IBC 718.2.1) SHALL BE INSTALLED IN COMBUSTIBLE CONCEALED SPACES TO FORM AN EFFECTIVE BARRIER BETWEEN FLOORS AND BETWEEN TOP STORY AND ROOF ATTICS. THE FOLLOWING ARE THE MINIMUM REQUIRED LOCATIONS:
1. CONCEALED WALL SPACES
   A. VERTICALLY AT THE CEILING AND FLOOR LEVELS
   B. HORIZONTALLY AT 10 FT MAXIMUM INTERVALS
2. CONNECTIONS BETWEEN HORIZONTAL AND VERTICAL SPACES
3. CONCEALED SPACES AT THE TOP AND BOTTOM OF THE RUN OF STAIR STRINGERS
4. ANNULAR SPACE AROUND PENETRATING COMPONENTS IN CEILING AND FLOOR OPENINGS
5. CONCEALED SPACES OF EXTERIOR COMBUSTIBLE WALL COVERINGS AT MAXIMUM 20 FT INTERVALS IN EITHER DIRECTION AND MAXIMUM 100 SF BETWEEN FIREBLOCKING. (SEE IBC 718.2.6 FOR EXCEPTIONS)
6. CONCEALED SLEEPER SPACES AT MAXIMUM 100 SF

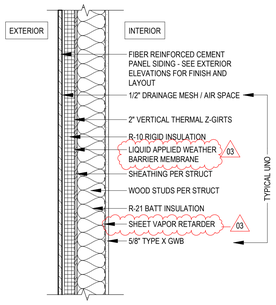
DRAFTSTOPPING PER IBC 718.3 & 718.4
DRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS SPRINKLERED THROUGHOUT PER NFPA 13.

8 ROOF TYPES

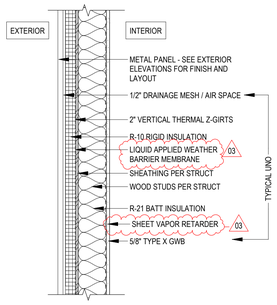
1" = 1'-0"



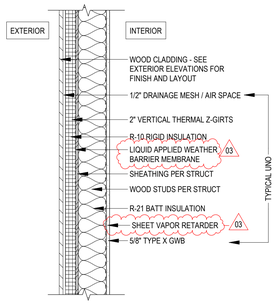
FRCP SIDING ON CONC PIER
10E | - | -
NON-RATED
R = 11.56 / U = 0.087



FRCP SIDING ON WD STUD
61B | - | - | 61C 2X8 STUDS
NON-RATED
R = 26.77 / U = 0.037



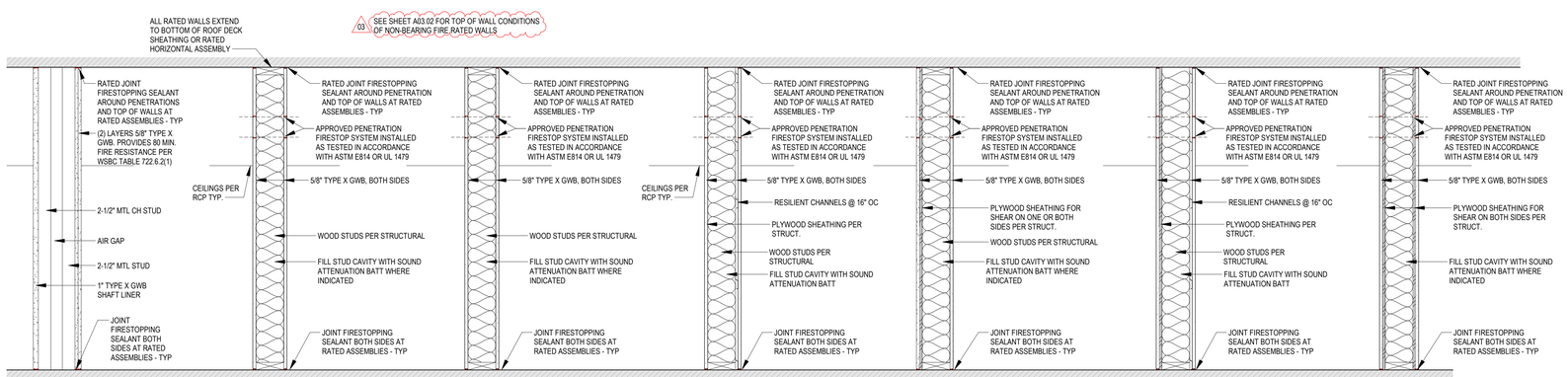
METAL SIDING ON WD STUD
62B | - | -
NON-RATED
R = 26.77 / U = 0.037



WD CLADDING ON WD STUD
63B | - | -
NON-RATED
R = 26.77 / U = 0.037

5 EXTERIOR WALL TYPES

1" = 1'-0"



RATED FIRE BARRIER
59 | 60 MINUTE MIN. FIRE RATING PER WSBC TABLE 722.6.2(1)

RATED FIRE BARRIER
80B | FB 1 HR | -
GA 3644 - SEE GA NOTES
03 | 80D | 10" STUD

RATED FIRE PARTITION
82B | FP 1 HR | -
GA 3644 - SEE GA NOTES

RATED FIRE PARTITION
83B | FP 1 HR | 50
GA 3242 - SEE GA NOTES

RATED FIRE PARTITION
84B | FP 1 HR | 35
GA 3644 - SEE GA NOTES

RATED FIRE PARTITION
85B | FP 1 HR | 50
GA 3242 - SEE GA NOTES

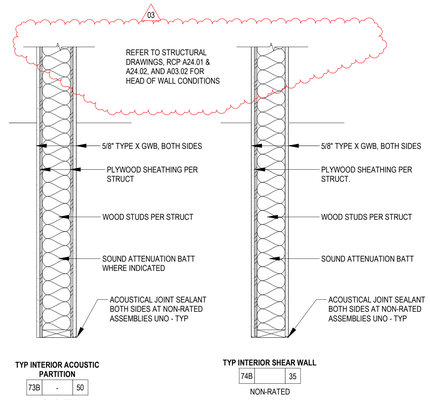
RATED FIRE PARTITION
88B | FP 1 HR | 35
GA 3644 - SEE GA NOTES

4 FIRE RATED INTERIOR PARTITION TYPES

1" = 1'-0"

6 NON-RATED INTERIOR PARTITION TYPES - CONTINUED

1" = 1'-0"

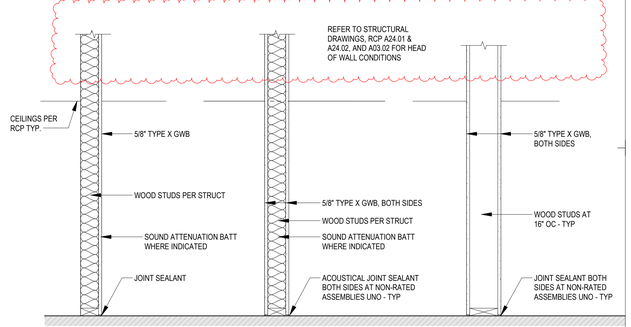


TYP INTERIOR ACOUSTIC PARTITION
73B | - | 50
NON-RATED

TYP INTERIOR SHEAR WALL
74B | | 35
NON-RATED

3 NON-RATED INTERIOR PARTITION TYPES

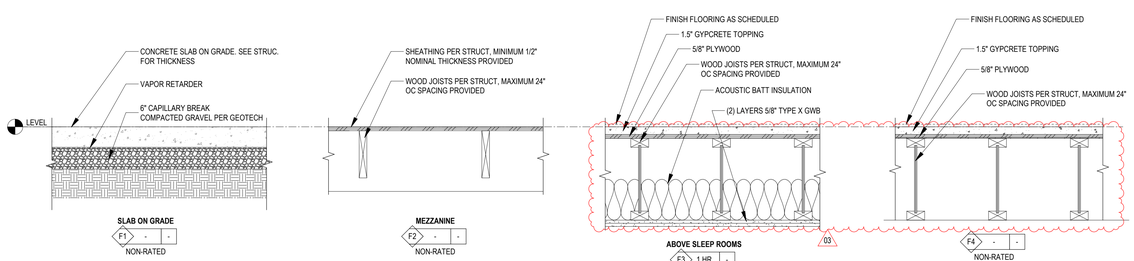
1" = 1'-0"

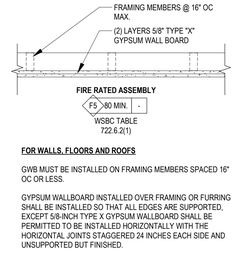


TYP FURRING
70A | - | -
NON-RATED

TYP INTERIOR PARTITION
71A | - | -
NON-RATED
71B 6" STUD

72B | - | -
NON-RATED





FOR WALLS, FLOORS AND ROOFS

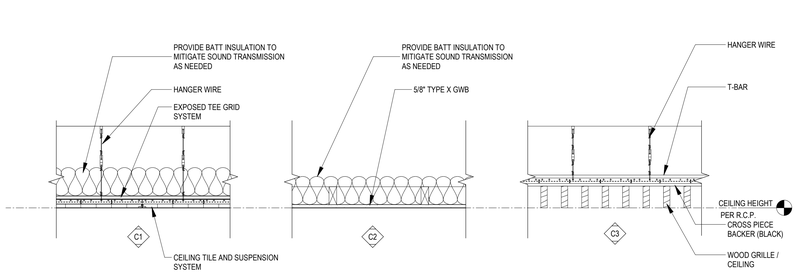
GWB MUST BE INSTALLED ON FRAMING MEMBERS SPACED 16" OC OR LESS.

GYPSUM WALLBOARD INSTALLED OVER FRAMING OR FURRING SHALL BE INSTALLED SO THAT ALL EDGES ARE SUPPORTED, EXCEPT 5/8-INCH TYPE X GYPSUM WALLBOARD SHALL BE PERMITTED TO BE INSTALLED HORIZONTALLY WITH THE HORIZONTAL JOINTS STAGGERED 24 INCHES EACH SIDE AND UNSUPPORTED BUT FINISHED.

ON WOOD FRAME FLOOR/CEILING OR ROOF/CEILING ASSEMBLIES, GYPSUM BOARD SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO FRAMING MEMBERS AND SHALL HAVE ALL JOINTS FINISHED.

1 FLOOR TYPES

1" = 1'-0"



2 CEILING TYPES

1" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

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GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

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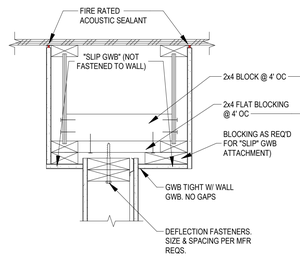
03	ADDENDUM #03	9/19/2025

AHJ APPROVAL STAMP

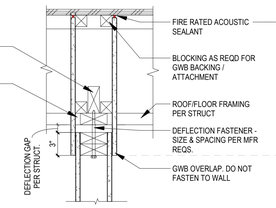
ASSEMBLY TYPES

SHEET #
A03.01

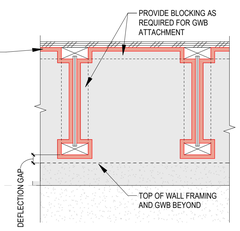
NON-BEARING WALLS PARALLEL



NON-BEARING WALLS PARALLEL



NON-BEARING WALLS PERPINDICULAR

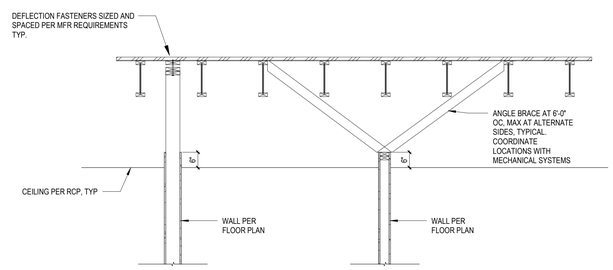


NON-BEARING WALLS PERPINDICULAR - ELEVATION

NOTE: EXTEND GYPSUM WALL BOARD TO TO BOTTOM OF FLOOR/ROOF SHEATHING ABOVE AT ALL EXPOSED OPEN TO STRUCTURE AREAS, PROVIDE FRAMING AS REQUIRED TO SUPPORT THE GWB, TYPICAL. ALSO REFER TO SHEET A03.02.

2 TYPICAL DETAILS - TOP OF NON-BEARING WALL CONDITIONS

1 1/2" = 1'-0"



NOTE: FOR USE ONLY AT NON-RATED WALLS OR WALLS NOT INDICATED TO EXTEND TO FLOOR/ROOF SHEATHING ABOVE.

1 TOP OF NON-BEARING WALL CONDITIONS

1/2" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

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STATE OF WASHINGTON

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AHJ APPROVAL STAMP

ASSEMBLY TYPES

03

SHEET #
A03.02

PARKING STALLS

STALL TYPE	QTY	COMMENTS
8' x 18'	15	
9' x 18'	4	
10' x 18'	20	
ACCESSIBLE CAR 9' x 18'	1	
ACCESSIBLE VAN 9' x 18' (10' AISLE)	2	
TOTAL	42	

NOTES & LEGEND - SITE PLAN

1. REFERENCE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
2. DOWNSPOUTS CONNECTED TO A BUILDING STORM SEWER SHALL HAVE A CLEANOUT INSTALLED AT THE BASE OF THE OUTSIDE DOWNSPOUT OR OUTSIDE CONDUCTOR, SEE CIVIL

LANDSCAPING, SEE LANDSCAPING

DRIVEWAY. CONTROL JOINTS PER PLAN

CONCRETE PAVING / CONCRETE SIDEWALK CONTROL JOINTS PER PLAN

PLANTING, SEE LANDSCAPING

PROPERTY LINE

BUILDING SETBACK

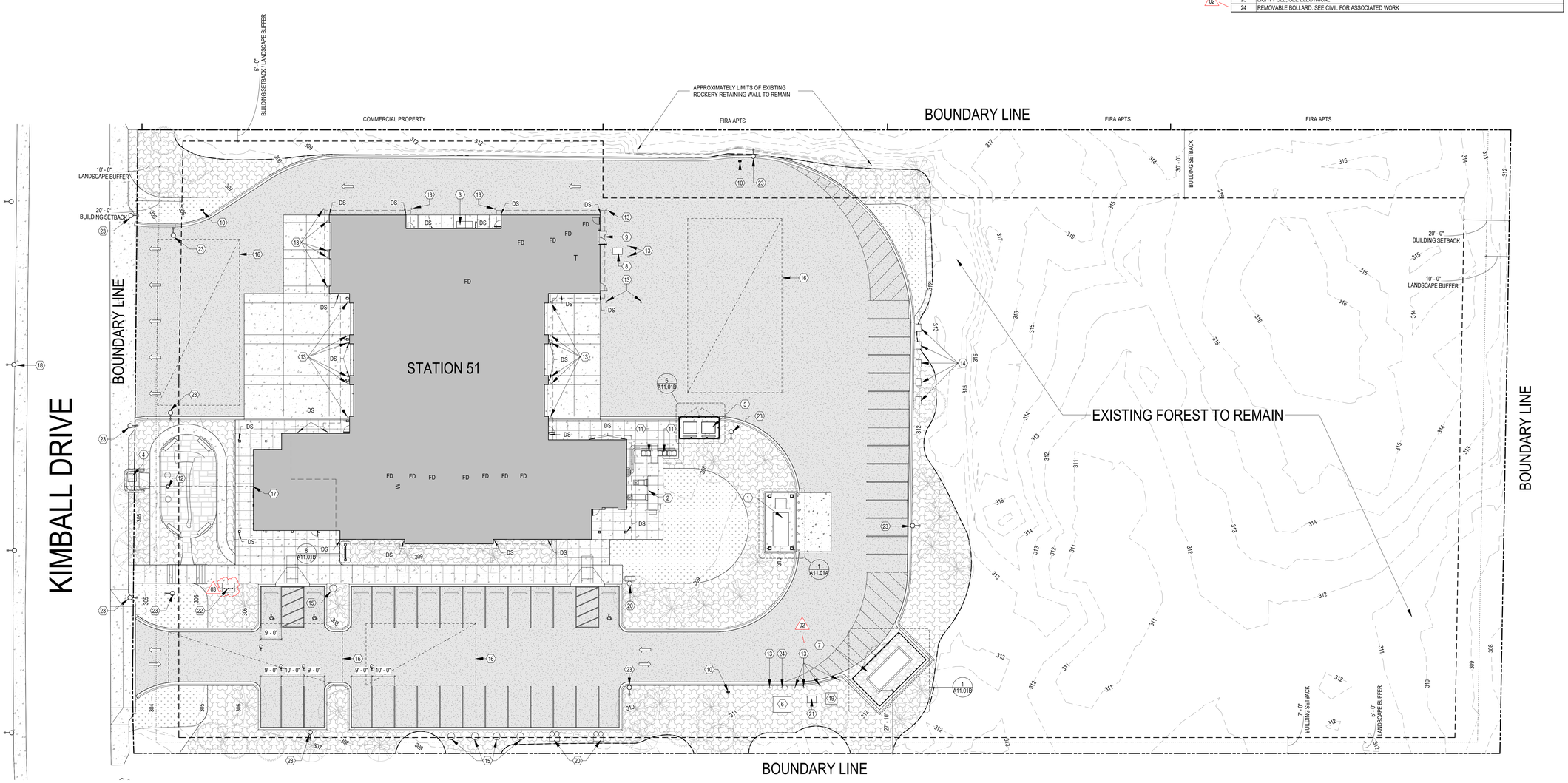
BUILDING OUTLINE

ROOF OVERHANG

GRAVEL, SEE LANDSCAPING

KEY NOTES - SITE PLAN

#	NOTE DESCRIPTION
1	PRE-ENGINEERED FUEL ISLAND CANOPY FOR EXISTING, RELOCATED ABOVE GROUND FUEL TANK & EXISTING DEF TANK. SALVAGE & PROTECT THE EXISTING CONCRETE FUEL TANK FOR RELOCATION ON SITE. THE EXISTING DEF TANK WILL BE REMOVED BY OWNER PRIOR TO DEMOLITION. CONTRACTOR TO COORDINATE WITH OWNER FOR INSTALLATION, BY OWNER, OF THE EXISTING DEF TANK. COORDINATE WITH OWNER ON TIMING OF OWNER PROVIDED AND INSTALLED FUEL DISPENSING AND FUEL MANAGEMENT SYSTEMS. SEE CIVIL, & ELECTRICAL FOR ASSOCIATED WORK. FUEL ISLAND CANOPY SYSTEM TO BE BY THE CONTRACTOR UNDER A SEPARATE PERMIT.
2	ENERGY RECOVERY VENTILATOR (ERV), SEE MECHANICAL.
3	GAS METER, SEE PLUMBING
4	VAULT LID, SEE CIVIL
5	TRASH ENCLOSURE, SEE 6/A11.01B
6	NEW TRANSFORMER, SEE ELECTRICAL
7	EMERGENCY GENERATOR. SEE ELECTRICAL & STRUCTURAL FOR ASSOCIATED WORK
8	HEAT PUMP WATER HEATER, SEE MECHANICAL
9	LINE OF ROOF OVERHANG EXTENSION, TYP.
10	FIRE HYDRANTS, TYP. SEE CIVIL FOR WORK AND LOCATIONS
11	HVAC SYSTEM EQUIPMENT, SEE MECHANICAL
12	FLAGPOLE, SEE DETAIL 2/A11.01B
13	BOLLARDS, TYP. SEE CIVIL FOR ASSOCIATED WORK
14	EV CAPABLE PARKING SPACE, SEE ELECTRICAL FOR ASSOCIATED WORK
15	EV READY PARKING STALL, SEE ELECTRICAL FOR ASSOCIATED WORK
16	UNDERGROUND STORM WATER DETENTION SYSTEM, SEE CIVIL
17	CENTERLINE OF LOWER PORTION OF THE FACADE
18	KIMBALL DRIVE STREET LIGHTING UPGRADE, SEE ELECTRICAL
19	AUTOMATIC TRANSFER SWITCH. SEE ELECTRICAL FOR ASSOCIATED WORK
20	EV CHARGING STATION, SEE ELECTRICAL FOR ASSOCIATED WORK.
21	NEW DOUBLE CHECK VALVE ASSEMBLY. SEE CIVIL AND ELECTRICAL FOR ASSOCIATED WORK
22	BIKE RACK, SEE CIVIL FOR CONCRETE PAD. SEE LANDSCAPE FOR BIKE RACK.
23	LIGHT POLE, SEE ELECTRICAL
24	REMOVABLE BOLLARD. SEE CIVIL FOR ASSOCIATED WORK



1 SITE PLAN
1" = 20'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

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02	ADDENDUM #02	9/12/2025
03	ADDENDUM #03	9/19/2025

AHJ APPROVAL STAMP

SITE PLAN

SHEET # **A11.01**

KEYNOTES

#	NOTE
101	PROVIDE IN-WALL BLOCKING FOR OWNER'S DISPATCH MONITOR AND HARDWARE.
103	WALL MOUNTED BUNKER GEAR LOCKERS (L-1). SEE DRAWINGS FOR QUANTITIES.
104	MOBILE BUNKER GEAR LOCKERS (L-2). SEE DRAWINGS FOR QUANTITIES.

NOTES & LEGEND - FLOOR PLAN

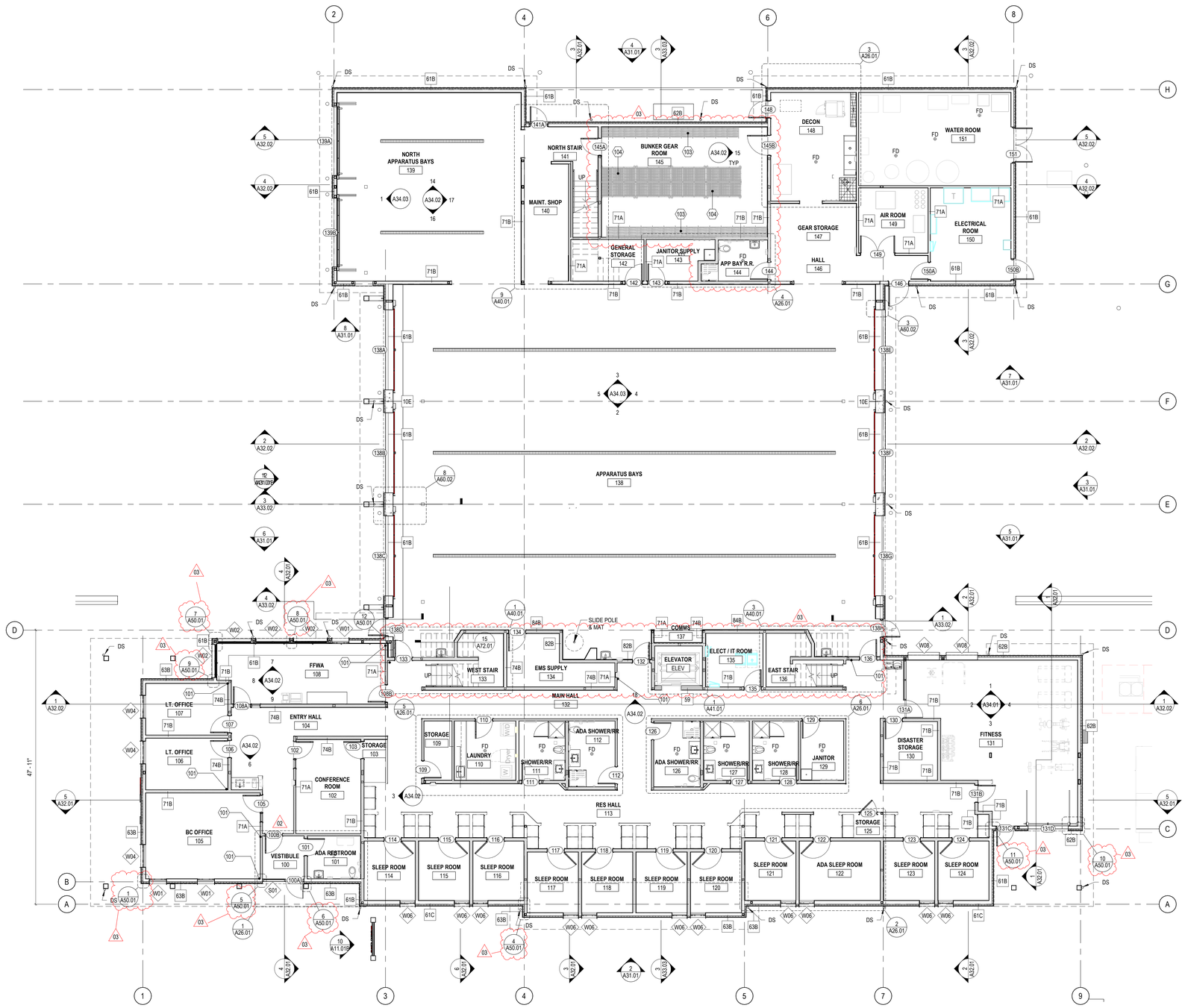
1. DIMENSIONS ARE TO ROUGH FRAMING OR TO FACE OF EXISTING FINISHES, TYP UNO.
2. DIMENSIONS INDICATED AS "MIN" OR "CLR" ARE FROM NEAREST FINISH SURFACE, INCLUDING TRIM.
3. ROUGH DOOR OPENINGS ARE LOCATED 4" FROM NEAREST INTERSECTING WALL FRAMING, TYP UNO.

ROOF OVERHANG

5'-7" DIAMETER TURNING SPACE

SOUND ATTENUATION BATT

CLEAR FLOOR SPACE 30" X 52" UNO



1 FLOOR PLAN - MAIN LEVEL - ANNOTATIONS
1/8" = 1'-0"

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275 FIFTH STREET, SUITE 100
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03	ADDENDUM #03	9/19/2025

AHJ APPROVAL STAMP

FLOOR PLAN - MAIN LEVEL - ANNOTATION

SHEET #
A22.01

NOTES & LEGEND - FLOOR PLAN

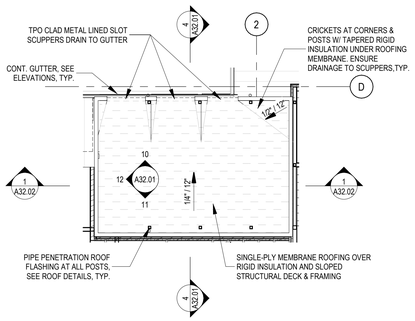
1. DIMENSIONS ARE TO ROUGH FRAMING OR TO FACE OF EXISTING FINISHES, TYP UNO.
2. DIMENSIONS INDICATED AS "MIN" OR "CLR" ARE FROM NEAREST FINISH SURFACE, INCLUDING TRIM.
3. ROUGH DOOR OPENINGS ARE LOCATED 4" FROM NEAREST INTERSECTING WALL FRAMING, TYP UNO.

ROOF OVERHANG

03 SOUND ATTENUATION BATT

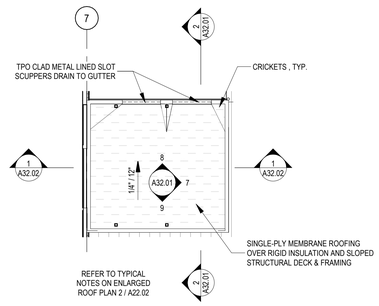
5'-7" DIAMETER TURNING SPACE

CLEAR FLOOR SPACE 30" X 52" UNO



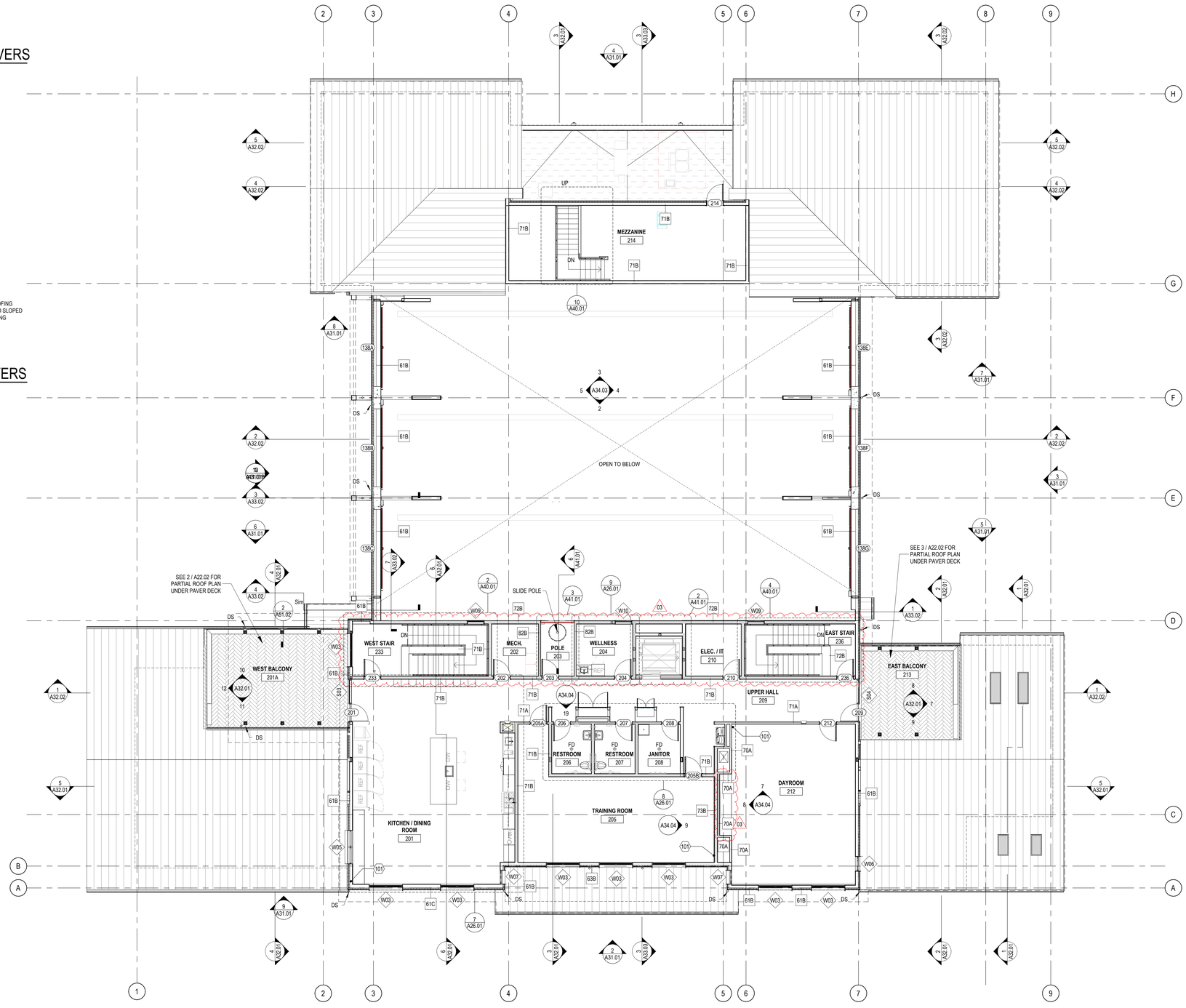
2 ROOF PLAN - WEST BALCONY UNDER PAVERS

1/8" = 1'-0"



3 ROOF PLAN - EAST BALCONY UNDER PAVERS

1/8" = 1'-0"



1 FLOOR PLAN - UPPER LEVEL - ANNOTATIONS

1/8" = 1'-0"

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ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
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FLOOR PLAN - UPPER LEVEL - ANNOTATION

SHEET #
A22.02

NOTES & LEGEND - FLOOR PLAN

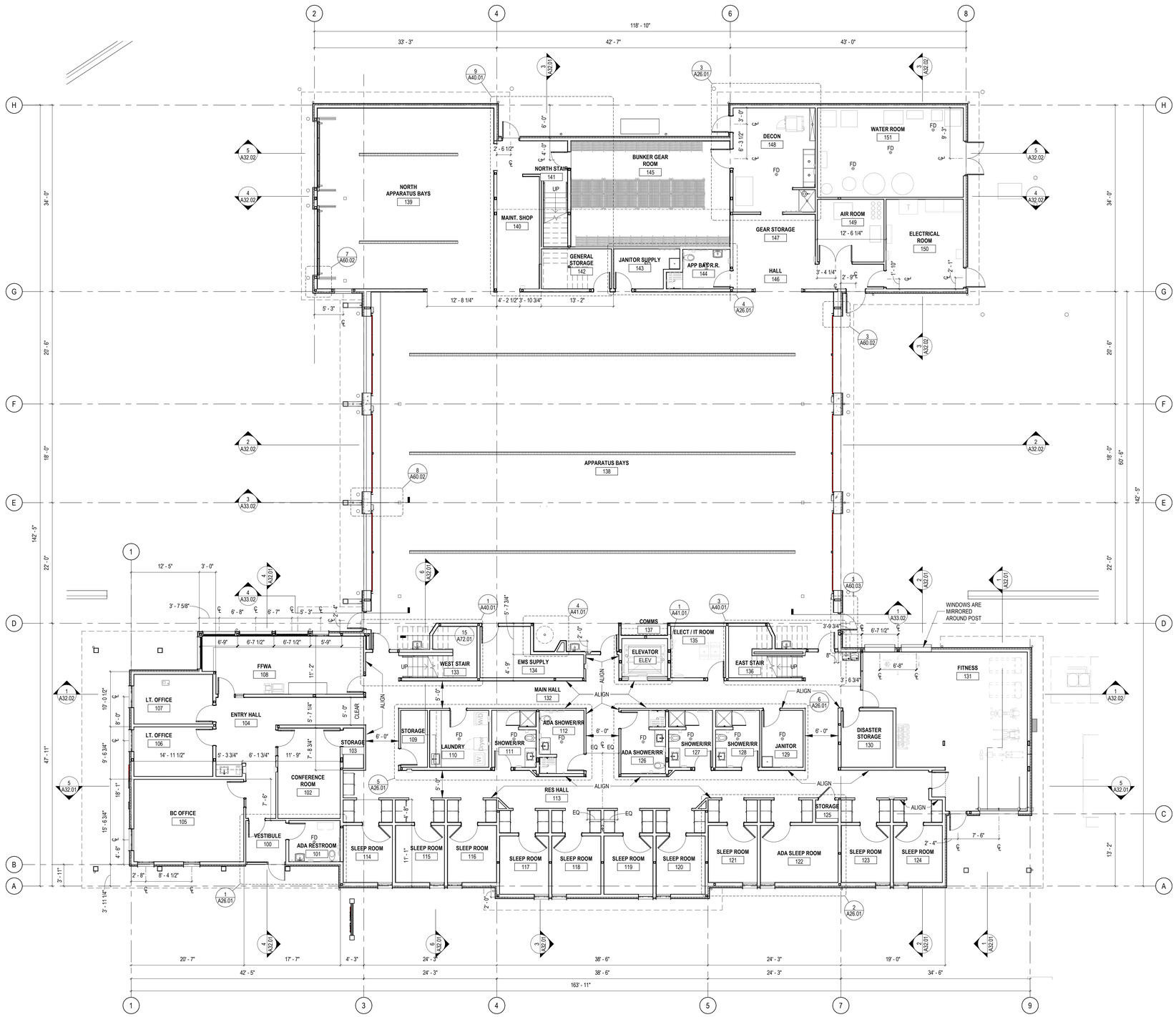
1. DIMENSIONS ARE TO ROUGH FRAMING OR TO FACE OF EXISTING FINISHES, TYP UNO.
2. DIMENSIONS INDICATED AS "MIN" OR "CLR" ARE FROM NEAREST FINISH SURFACE, INCLUDING TRIM.
3. ROUGH DOOR OPENINGS ARE LOCATED 4" FROM NEAREST INTERSECTING WALL FRAMING, TYP UNO.

ROOF OVERHANG

SOUND ATTENUATION BATT

5'-7" DIAMETER TURNING SPACE

CLEAR FLOOR SPACE 30" X 52" UNO



1 FLOOR PLAN - MAIN LEVEL - DIMENSIONS

1/8" = 1'-0"

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ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

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GUNNAR R. GLADICS
STATE OF WASHINGTON

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AHJ APPROVAL STAMP

FLOOR PLAN - MAIN LEVEL - DIMENSION

SHEET # 03
A22.03

NOTES & LEGEND - FLOOR PLAN

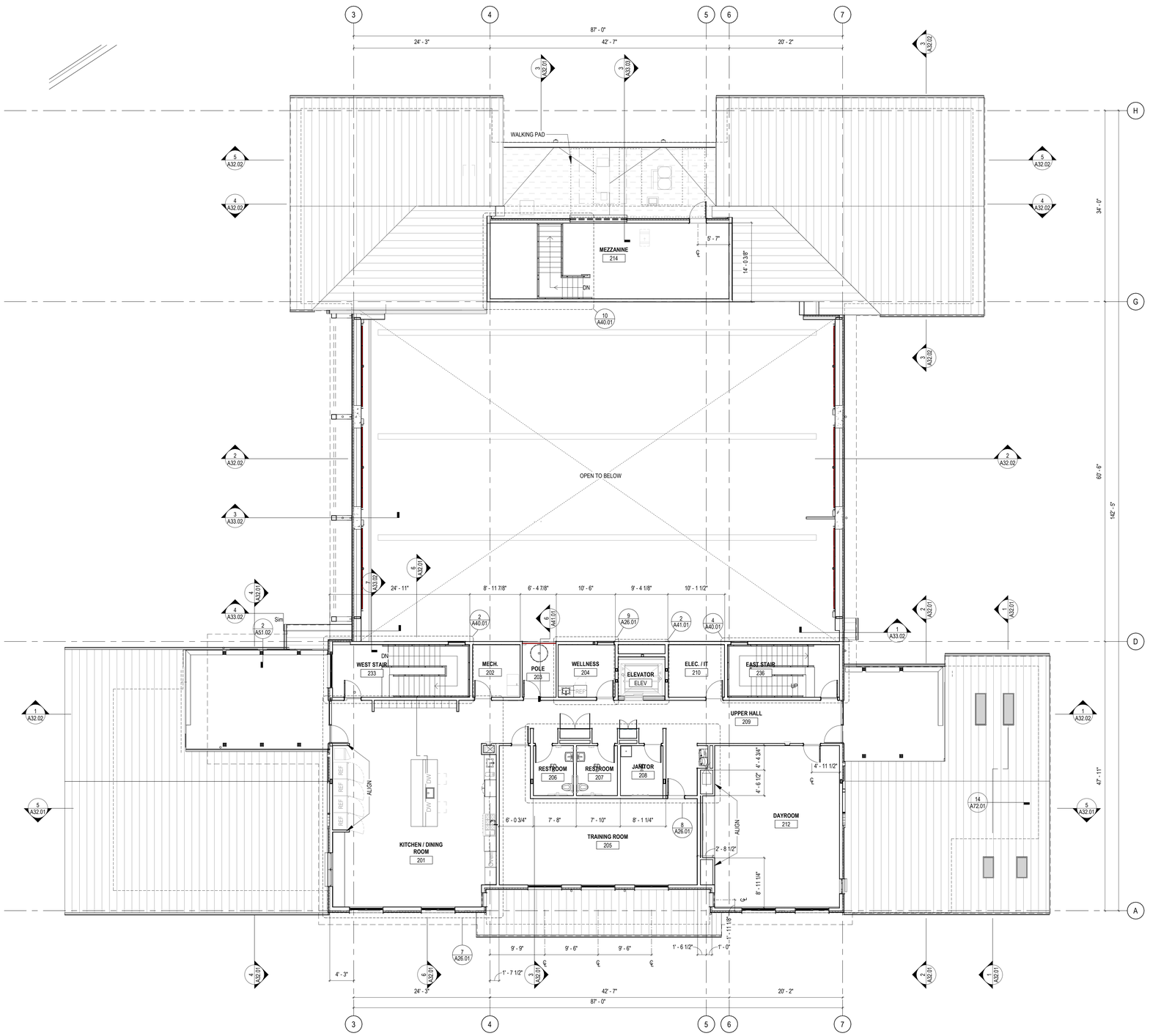
1. DIMENSIONS ARE TO ROUGH FRAMING OR TO FACE OF EXISTING FINISHES, TYP UNO.
2. DIMENSIONS INDICATED AS "MIN" OR "CLR" ARE FROM NEAREST FINISH SURFACE, INCLUDING TRIM.
3. ROUGH DOOR OPENINGS ARE LOCATED 4" FROM NEAREST INTERSECTING WALL FRAMING, TYP UNO.

ROOF OVERHANG

SOUND ATTENUATION BATT

5'-7" DIAMETER TURNING SPACE

CLEAR FLOOR SPACE 30" X 52" UNO



1 FLOOR PLAN - UPPER LEVEL - DIMENSION
1/8" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
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FLOOR PLAN - UPPER LEVEL - DIMENSION

03

SHEET # **A22.04**

NOTES & LEGEND - REFLECTED CEILING PLAN

1. ARCHITECTURAL RCP PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MEP DRAWINGS FOR DETAILED SCOPE OF SYSTEMS.
2. CEILING FIXTURES ARE CENTERED IN CEILING TILE OR CENTERED IN ROOM, UNO.
3. DIMENSIONS IN CEILING PLANS ARE TO FACE OF FINISH, UNO.
4. GRAPHIC REPRESENTATION OF LIGHTING TYPES MAY BE NOT TO SCALE.
5. EXTEND GYPSUM WALL BOARD TO BOTTOM OF FLOOR/ROOF SHEATHING ABOVE AT ALL EXPOSED OPEN TO STRUCTURE AREAS, PROVIDE FRAMING AS REQUIRED TO SUPPORT THE GWB, TYPICAL. ALSO REFER TO SHEET A03.02.

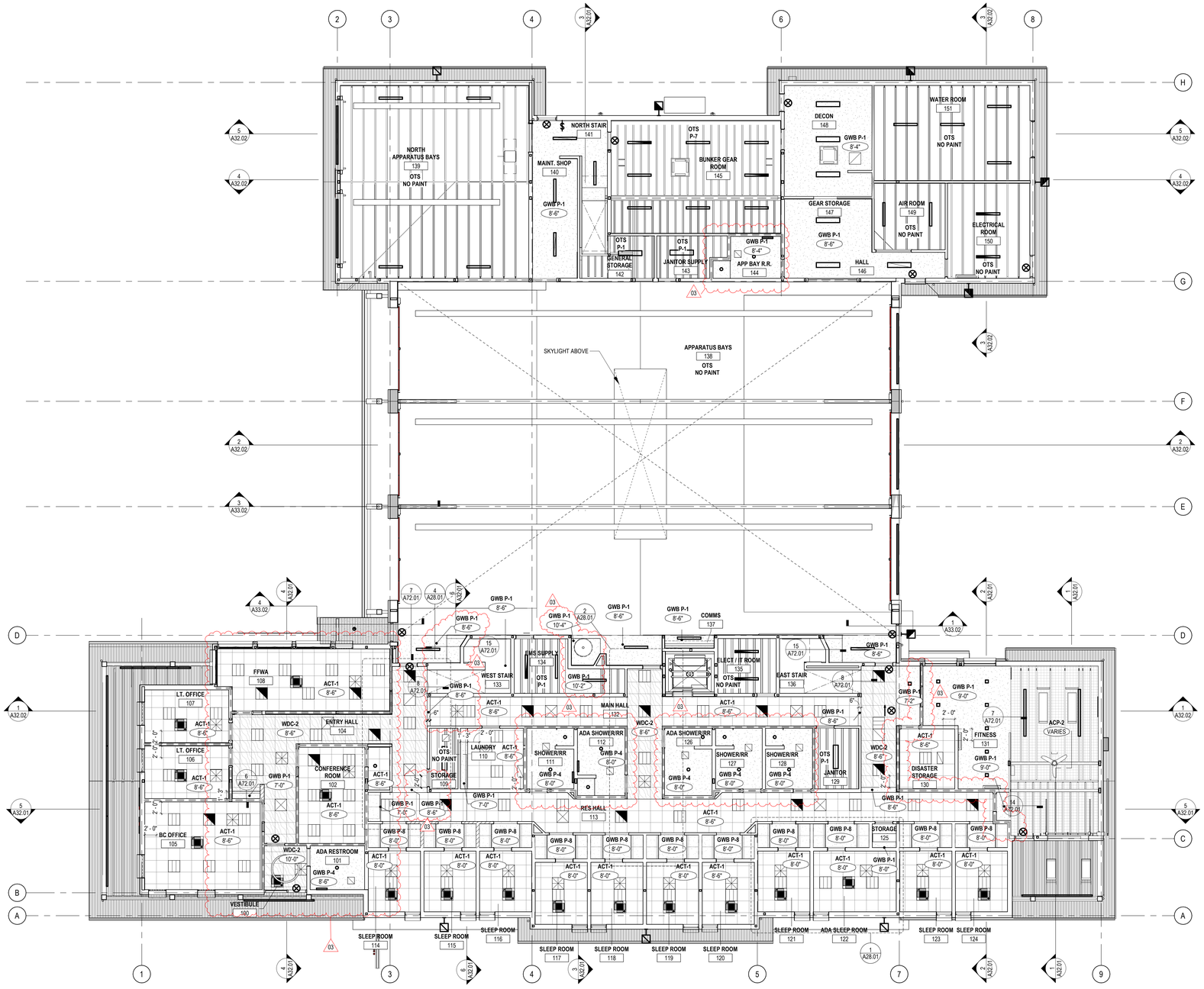
CEILING

- ACT 2X2 (ASSEMBLY TYPE C1)
- WD 2X2 (ASSEMBLY TYPE C1)
- WD 1X4 (ASSEMBLY TYPE C1)
- GWB (ASSEMBLY TYPE C2)
- WOOD GRILLE (ASSEMBLY TYPE C3)
- ACP - 1
- ACP - 2
- OPEN TO STRUCTURE
- PAINTED PLYWOOD SOFFIT
- HEAD OF WALL CONDITION - EXTEND STRUCTURE & GWB TO UNDERSIDE OF FLOOR/ROOF SHEATHING ABOVE. ALSO REFER TO SHEETS A01.01, A03.01 & A03.02.

NOTE: ALL FIRE RATED WALLS AND BEARING WALLS ALSO EXTEND TO UNDERSIDE OF FLOOR/ROOF SHEATHING ABOVE. ALSO REFER TO SHEETS A01.01, A03.01 & A03.02.

MEP

- RECESSED DOWNLIGHT
- RECESSED TROFFER, 2X2
- RECESSED TROFFER, 2X4
- PENDANT LINEAR
- PENDANT ROUND
- SURFACE MOUNT LINEAR
- SURFACE MOUNT ROUND
- SURFACE MOUNT STRIP
- UNDER CABINET
- SEE MECHANICAL, SIZES MAY VARY



1 REFLECTED CEILING PLAN - MAIN LEVEL
1/8" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT # 2022011
BID SET
ISSUE DATE AUGUST 15, 2025

REVISION SCHEDULE

03	ADDENDUM #03	9/19/2025

AHJ APPROVAL STAMP

REFLECTED CEILING PLAN - MAIN LEVEL

SHEET #
A24.01

NOTES & LEGEND - REFLECTED CEILING PLAN

1. ARCHITECTURAL RCP PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MEP DRAWINGS FOR DETAILED SCOPE OF SYSTEMS.
2. CEILING FIXTURES ARE CENTERED IN CEILING TILE OR CENTERED IN ROOM, UNO.
3. DIMENSIONS IN CEILING PLANS ARE TO FACE OF FINISH, UNO.
4. GRAPHIC REPRESENTATION OF LIGHTING TYPES MAY BE NOT TO SCALE.
5. EXTEND GYPSUM WALL BOARD TO BOTTOM OF FLOOR/ROOF SHEATHING ABOVE AT ALL EXPOSED OPEN TO STRUCTURE AREAS, PROVIDE FRAMING AS REQUIRED TO SUPPORT THE GWB, TYPICAL. ALSO REFER TO SHEET A03.02.

03

CEILING

- ACT 2X2 (ASSEMBLY TYPE C1)
- WD 2X2 (ASSEMBLY TYPE C1)
- WD 1X4 (ASSEMBLY TYPE C1)
- GWB (ASSEMBLY TYPE C2)
- WOOD GRILLE (ASSEMBLY TYPE C3)
- ACP - 1
- ACP - 2
- OPEN TO STRUCTURE
- PAINTED PLYWOOD SOFFIT

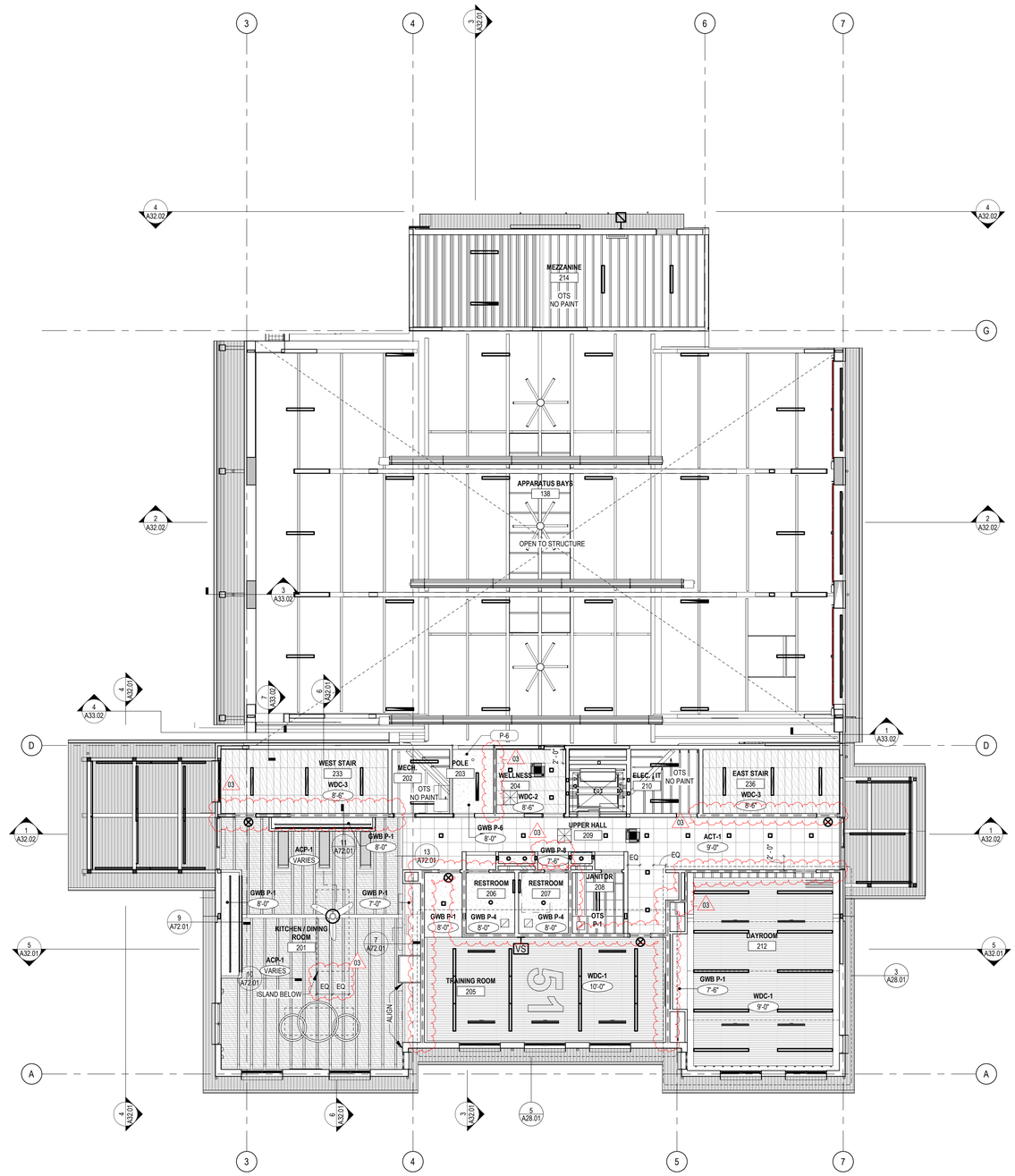
MEP

- RECESSED DOWNLIGHT
- RECESSED TROFFER, 2X2
- RECESSED TROFFER, 2X4
- PENDANT LINEAR
- PENDANT ROUND
- SURFACE MOUNT LINEAR
- SURFACE MOUNT ROUND
- SURFACE MOUNT STRIP
- UNDER CABINET
- SEE MECHANICAL, SIZES MAY VARY

03

HEAD OF WALL CONDITION - EXTEND STRUCTURE & GWB TO UNDERSIDE OF FLOOR/ROOF SHEATHING ABOVE. ALSO REFER TO SHEETS A01.01, A03.01 & A03.02.

NOTE: ALL FIRE RATED WALLS AND BEARING WALLS ALSO EXTEND TO UNDERSIDE OF FLOOR/ROOF SHEATHING ABOVE. ALSO REFER TO SHEETS A01.01, A03.01 & A03.02.



1 REFLECTED CEILING PLAN - UPPER LEVEL
1/8" = 1'-0"

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ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
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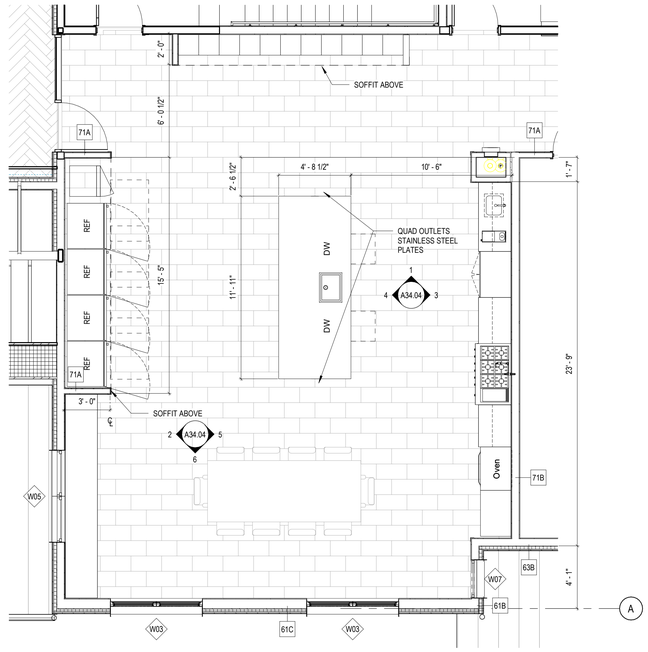
03	ADDENDUM #03	9/19/2025

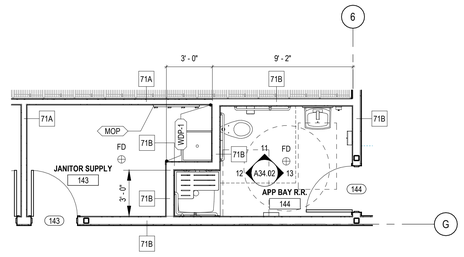
AHJ APPROVAL STAMP

REFLECTED CEILING PLAN - UPPER LEVEL

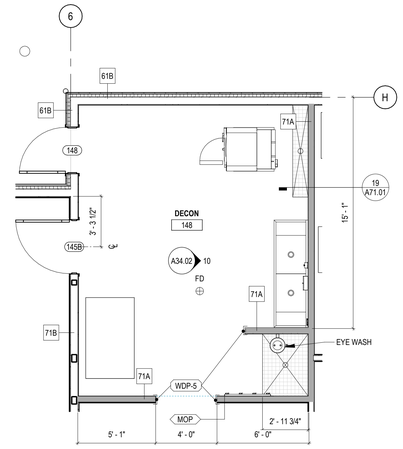
SHEET #
A24.02



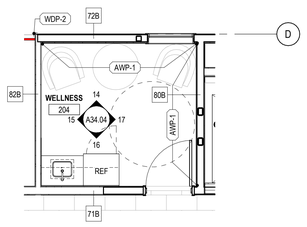
7 KITCHEN / DINING - ENLARGED PLAN
1/4" = 1'-0"



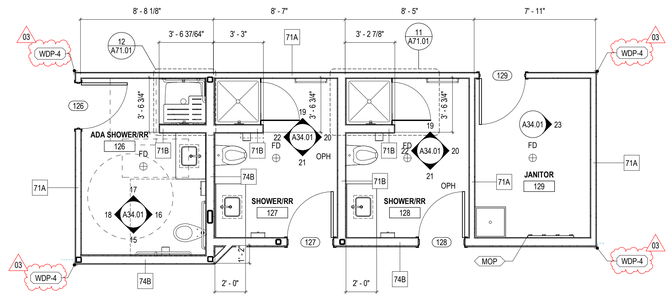
4 JANITOR / APP BAY R.R. - ENLARGED PLAN
1/4" = 1'-0"



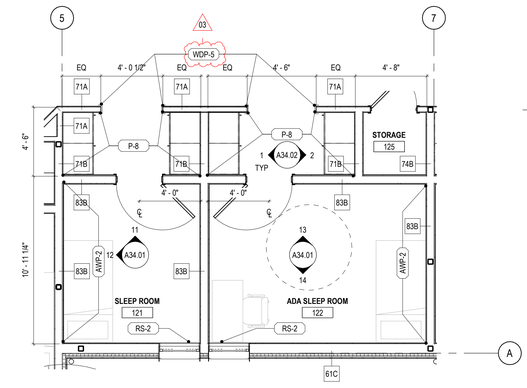
3 DECON - ENLARGED PLAN
1/4" = 1'-0"



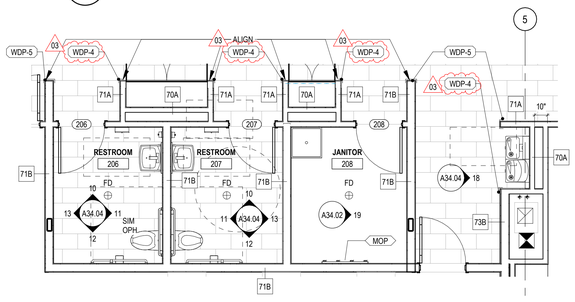
9 WELLNESS - ENLARGED PLAN
1/4" = 1'-0"



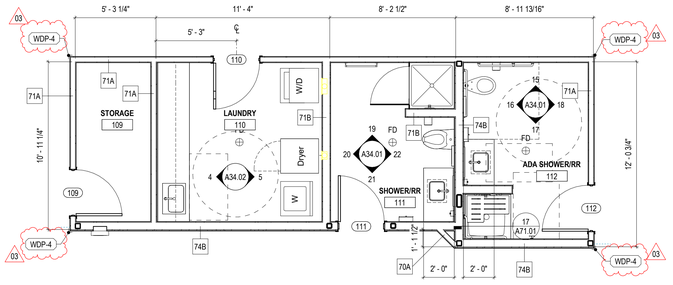
6 JANITOR / RESTROOMS - ENLARGED PLAN
1/4" = 1'-0"



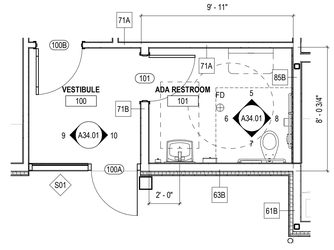
2 SLEEP ROOMS - TYP ENLARGED PLAN
1/4" = 1'-0"



8 R.R. / JANITOR - ENLARGED PLAN
1/4" = 1'-0"



5 RESTROOMS / LAUNDRY / MECH - ENLARGED PLAN
1/4" = 1'-0"



1 PUBLIC RESTROOM - ENLARGED PLAN
1/4" = 1'-0"

N

10
A11.01B

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
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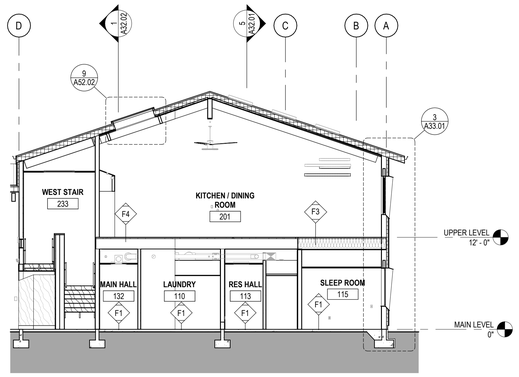
AHJ APPROVAL STAMP

ENLARGED FLOOR PLANS

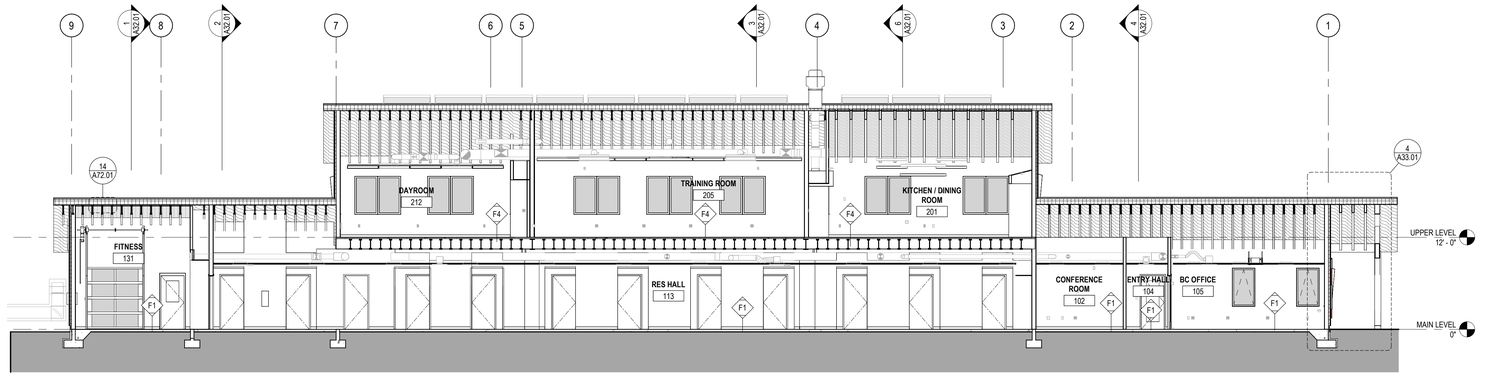
SHEET #
A26.01

NOTES & LEGEND - SECTIONS

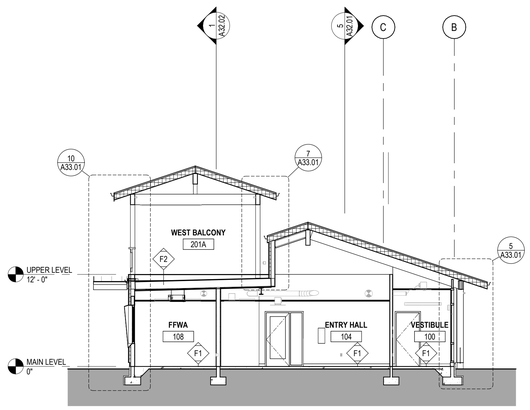
1. REFERENCE A03.01 AND A03.02 FOR ASSEMBLY TYPES AND CONSTRUCTION.



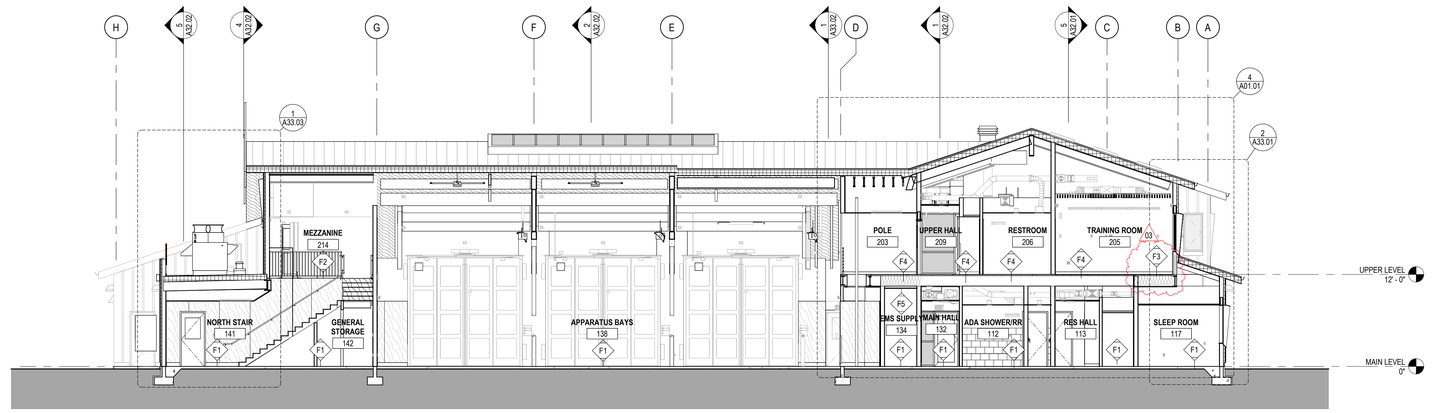
6 TRANSVERSE BUILDING SECTION AT KITCHEN / DINING
1/8" = 1'-0"



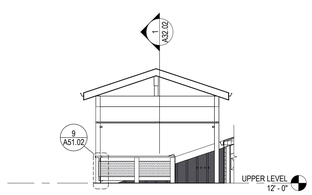
5 LONGITUDINAL BUILDING SECTION AT RESIDENTIAL / ADMIN. WING
1/8" = 1'-0"



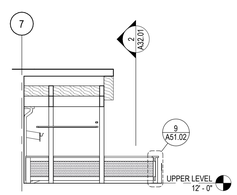
4 TRANSVERSE BUILDING SECTION AT ADMIN. WING
1/8" = 1'-0"



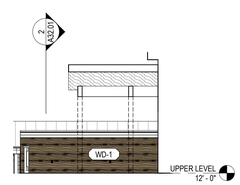
3 TRANSVERSE BUILDING SECTION
1/8" = 1'-0"



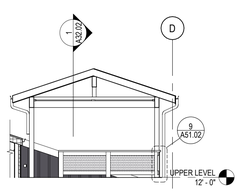
7 EAST BALCONY - EAST
1/8" = 1'-0"



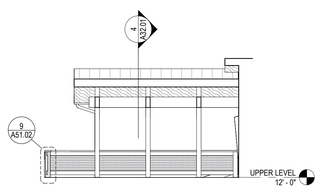
8 EAST BALCONY - NORTH
1/8" = 1'-0"



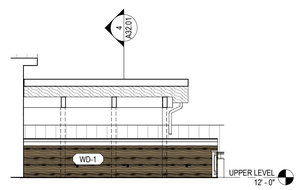
9 EAST BALCONY - SOUTH
1/8" = 1'-0"



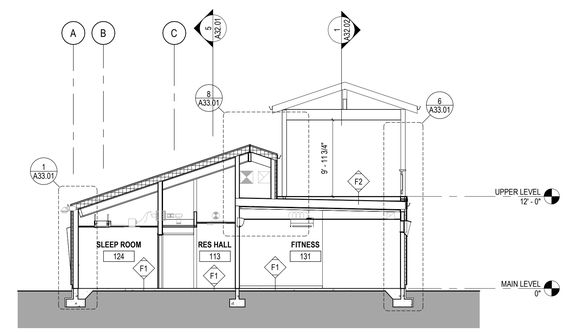
12 WEST BALCONY - WEST
1/8" = 1'-0"



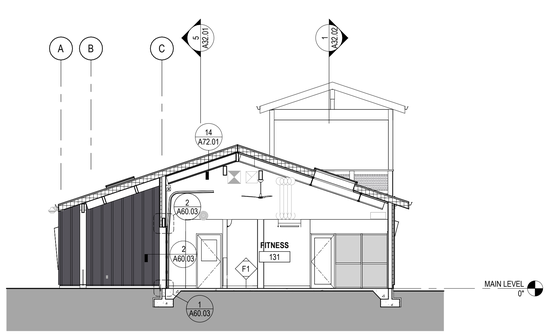
10 WEST BALCONY - NORTH
1/8" = 1'-0"



11 WEST BALCONY - SOUTH
1/8" = 1'-0"



2 TRANSVERSE BUILDING SECTION AT RESIDENTIAL /FITNESS ROOM
1/8" = 1'-0"



1 TRANSVERSE BUILDING SECTION AT FITNESS ROOM
1/8" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

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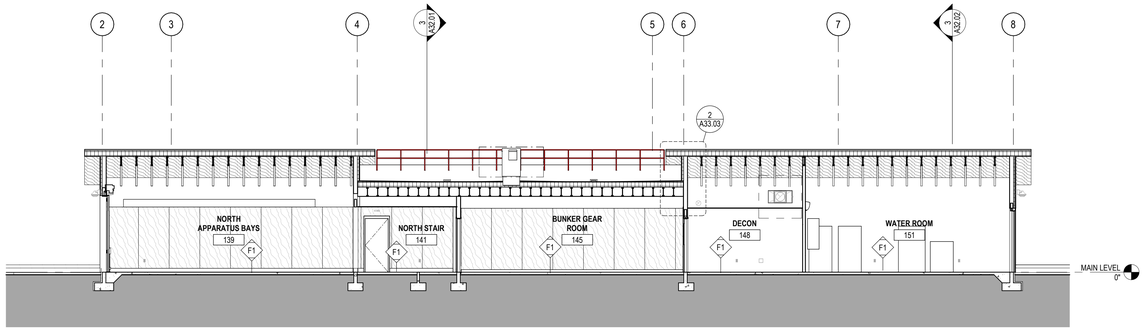
AHJ APPROVAL STAMP

BUILDING SECTIONS

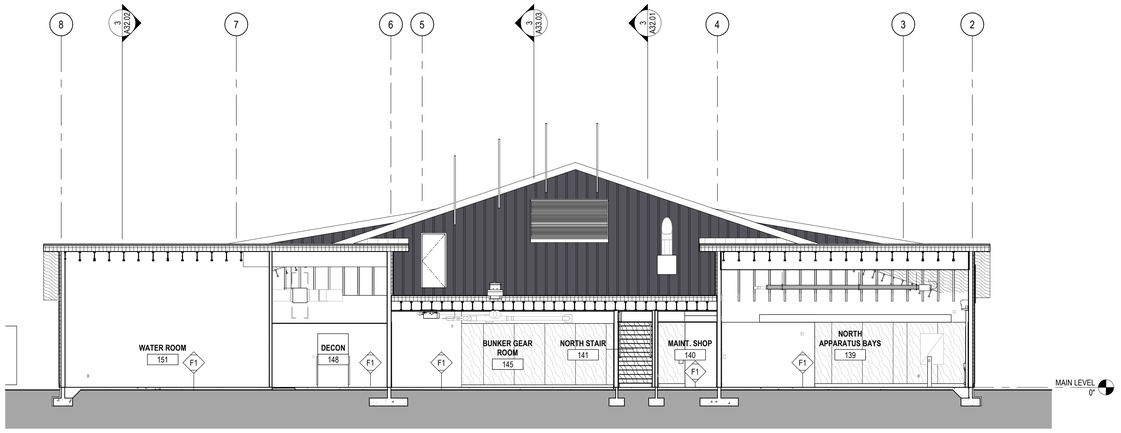
SHEET #
03
A32.01

NOTES & LEGEND - SECTIONS

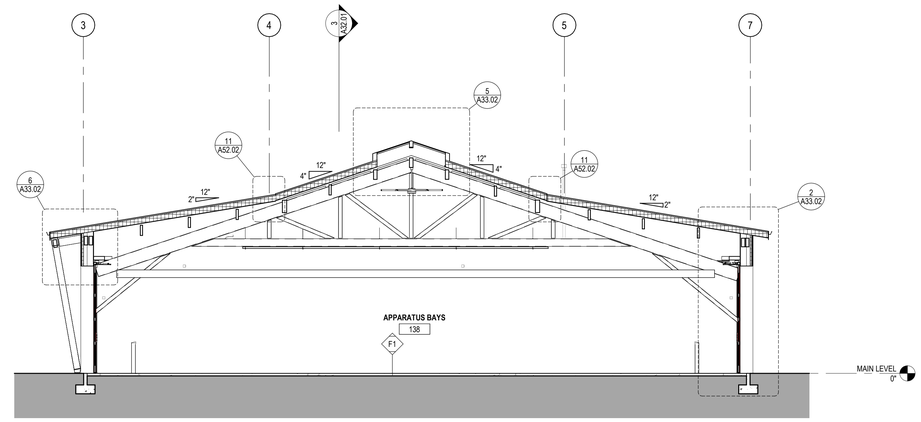
1. REFERENCE A03.01 AND A03.02 FOR ASSEMBLY TYPES AND CONSTRUCTION.



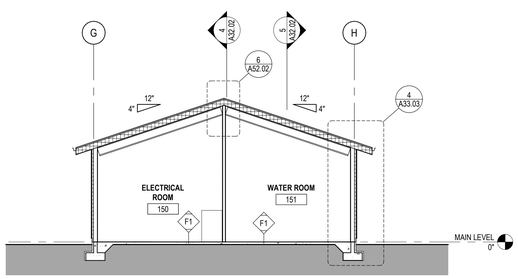
5 LONGITUDINAL BUILDING SECTION AT OPERATIONS WING 2
1/8" = 1'-0"



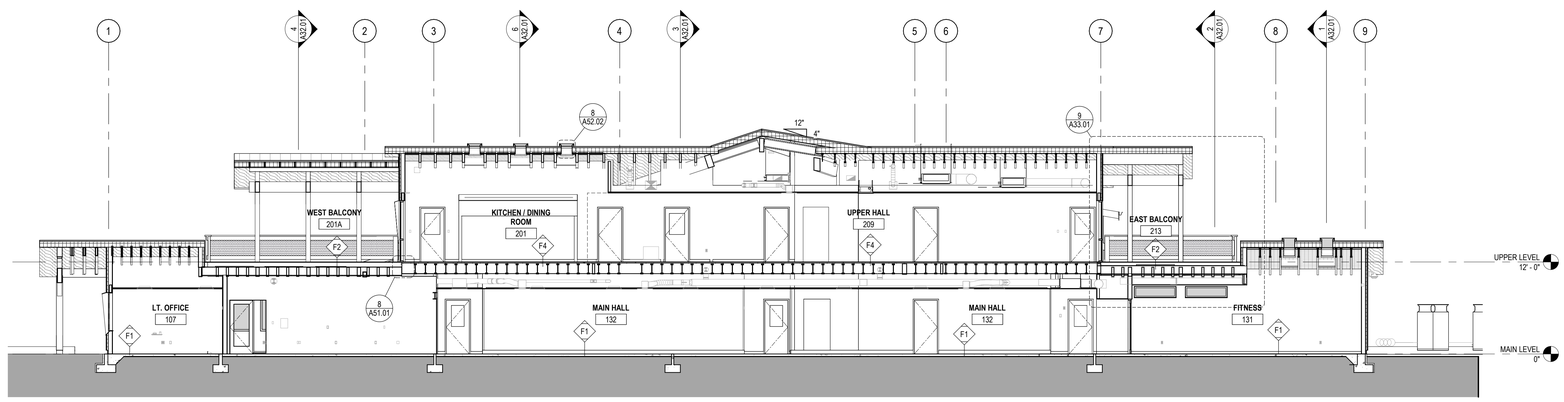
4 LONGITUDINAL BUILDING SECTION AT OPERATIONS WING
1/8" = 1'-0"



2 TRANSVERSE BUILDING SECTION AT APPARATUS BAYS
1/8" = 1'-0"



3 TRANSVERSE BUILDING SECTION AT OPERATIONS WING
1/8" = 1'-0"



1 LONGITUDINAL BUILDING SECTION AT RES. / ADMIN. WING 2
1/8" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
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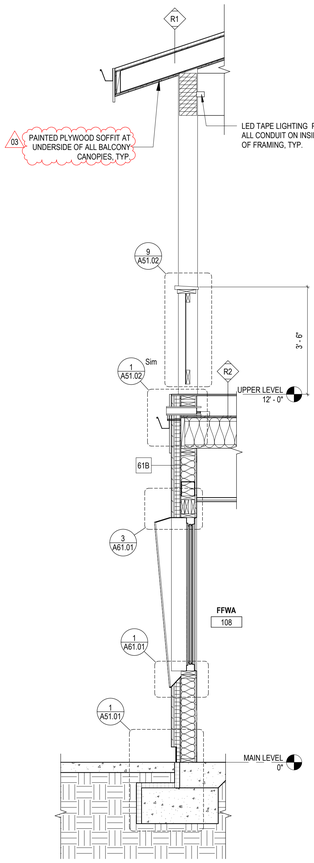
AHJ APPROVAL STAMP

BUILDING SECTIONS

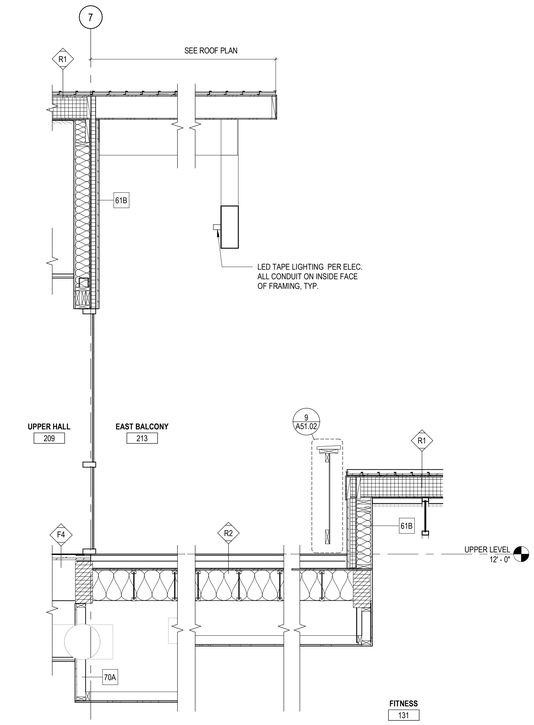
SHEET # 03
A32.02

NOTES & LEGEND - SECTIONS

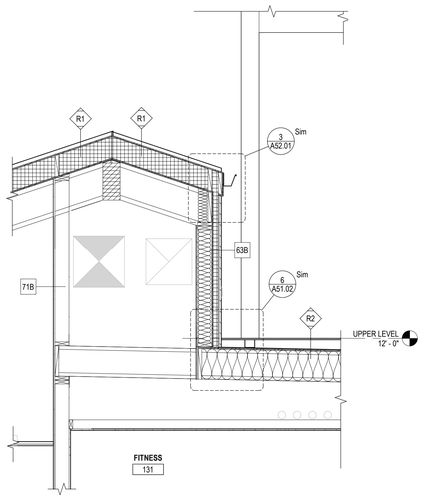
1. REFERENCE A03.01 AND A03.02 FOR ASSEMBLY TYPES AND CONSTRUCTION.



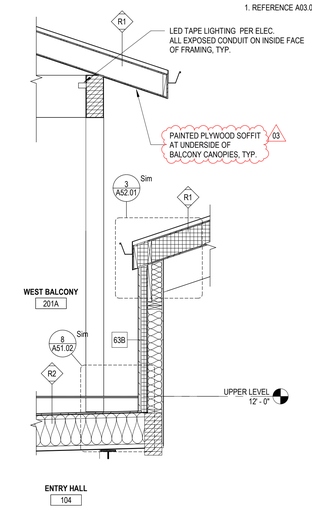
10 WALL SECTION AT FFWA
1/2" = 1'-0"



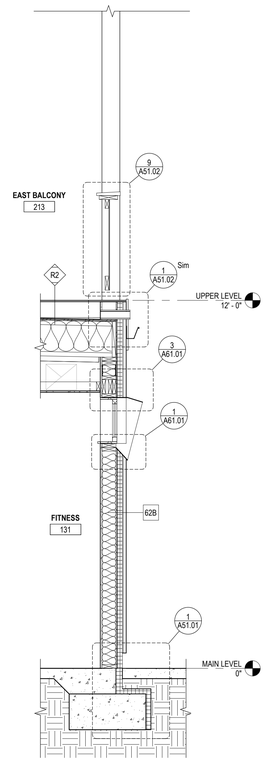
9 WALL SECTION AT EAST BALCONY ENTRY
1/2" = 1'-0"



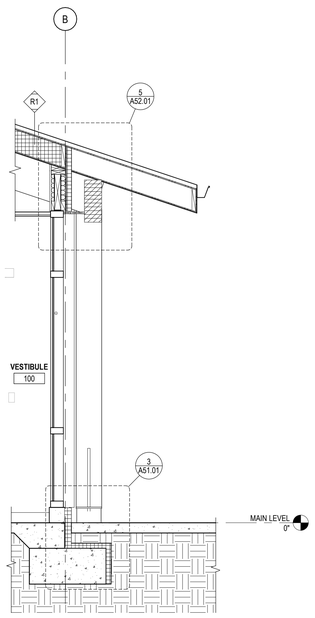
8 WALL SECTION AT HVAC CHASE OVER FITNESS
1/2" = 1'-0"



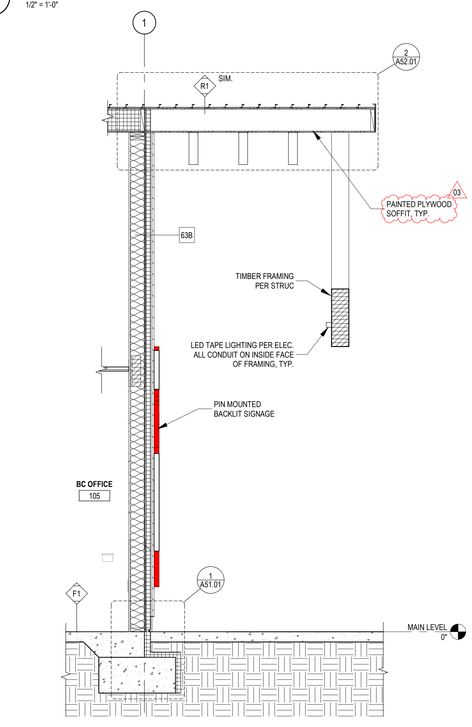
7 WALL SECTION AT WEST BALCONY
1/2" = 1'-0"



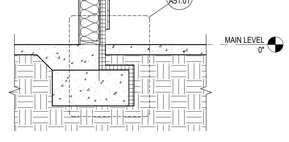
6 WALL SECTION AT EAST BALCONY EDGE
1/2" = 1'-0"



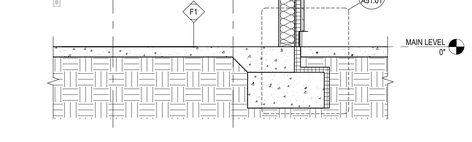
5 WALL SECTION AT VESTIBULE
1/2" = 1'-0"



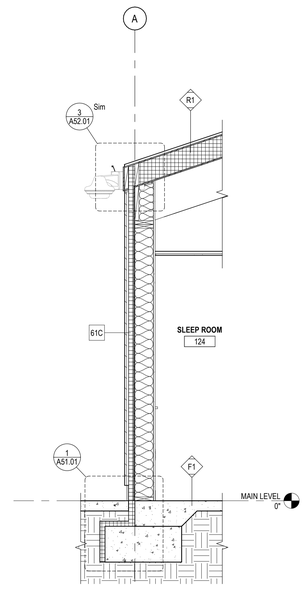
4 WALL SECTION AT BC OFFICE
1/2" = 1'-0"



3 WALL SECTION AT RESIDENTIAL
1/2" = 1'-0"



2 WALL SECTION AT SLEEP ROOM BAY
1/2" = 1'-0"



1 WALL SECTION AT SLEEP ROOM 2
1/2" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
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03	ADDENDUM #03	9/19/2025

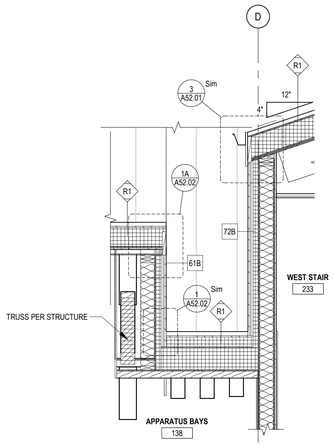
AHJ APPROVAL STAMP

WALL SECTIONS

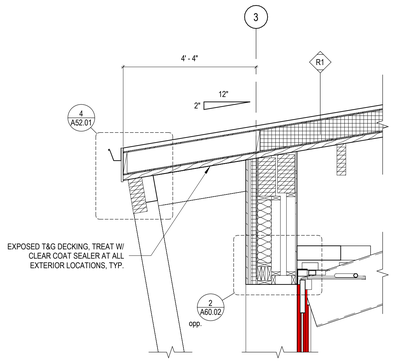
SHEET #
A33.01

NOTES & LEGEND - SECTIONS

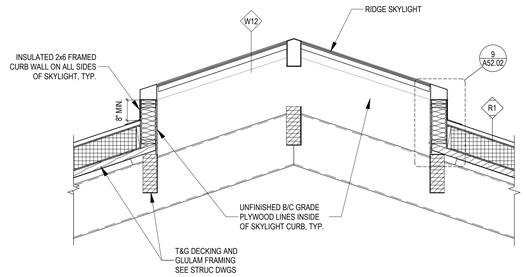
1. REFERENCE A03.01 AND A03.02 FOR ASSEMBLY TYPES AND CONSTRUCTION.



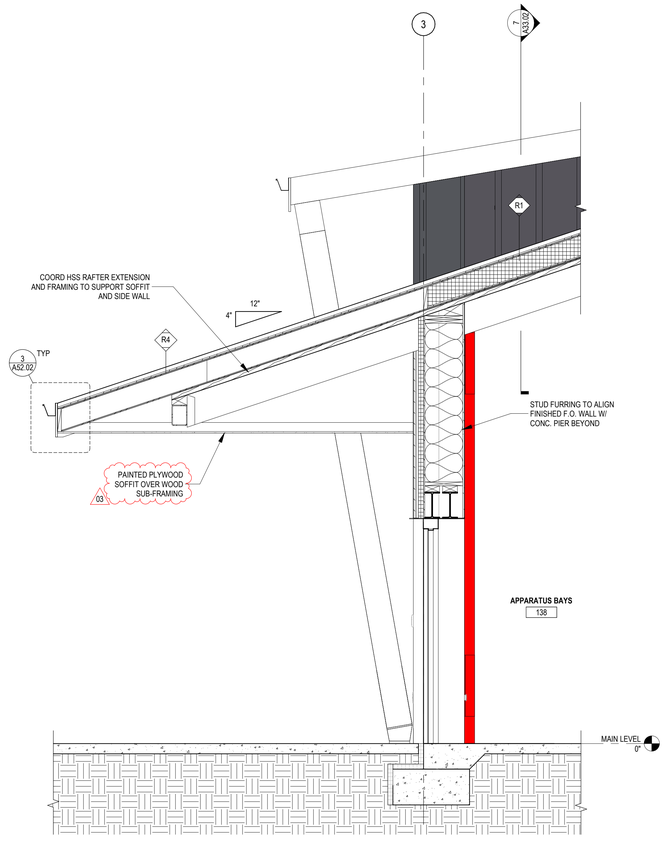
7 PARTIAL SECTION AT DORMER RAKE WALL
1/2" = 1'-0"



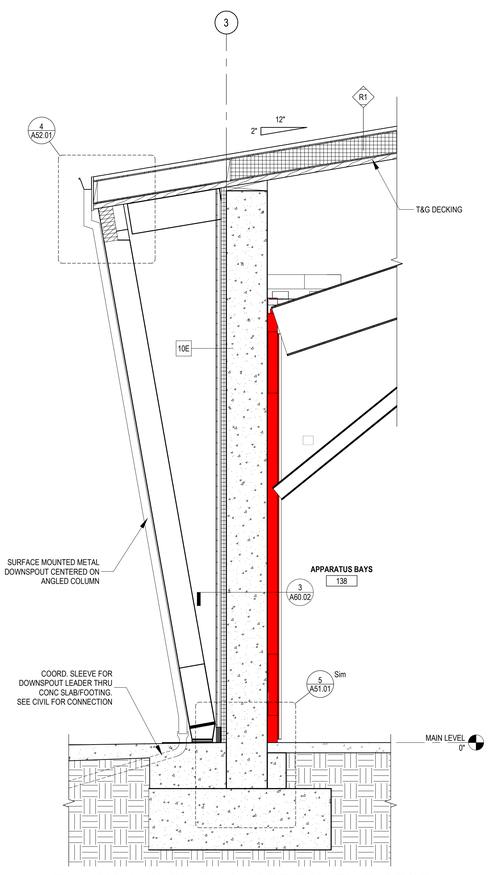
6 PARTIAL SECTION AT APP BAY DOOR WEST
1/2" = 1'-0"



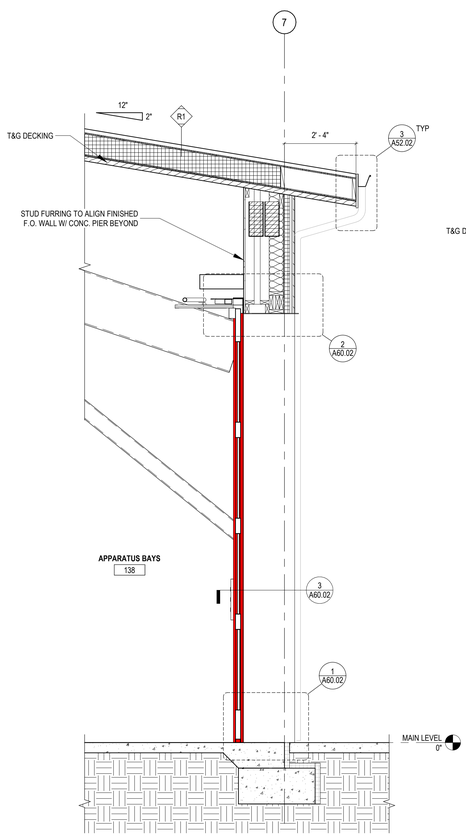
5 PARTIAL SECTION AT APP BAY RIDGE SKYLIGHT
1/2" = 1'-0"



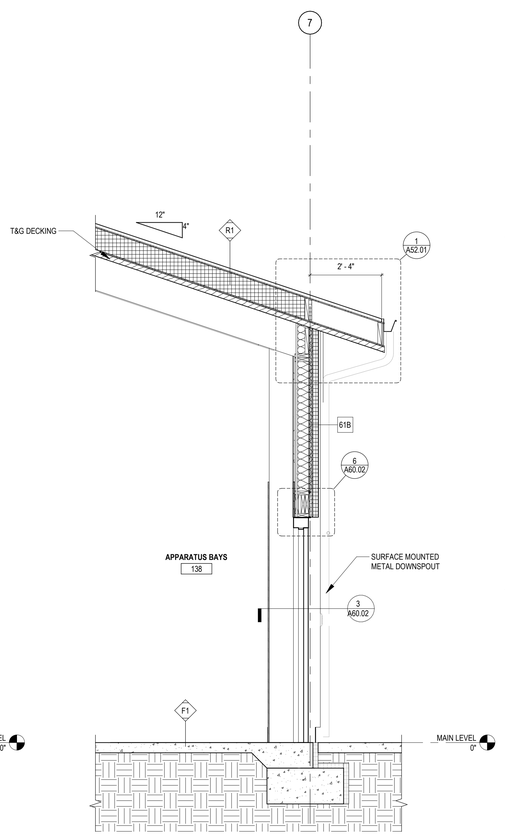
4 WALL SECTION AT APP BAY WEST
1/2" = 1'-0"



3 WALL SECTION AT APP BAY PIER WEST
1/2" = 1'-0"



2 WALL SECTION AT APP BAY DOOR EAST
1/2" = 1'-0"



1 WALL SECTION AT APP BAY EAST
1/2" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863 REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT #	2022011
BID SET	
ISSUE DATE	AUGUST 15, 2025

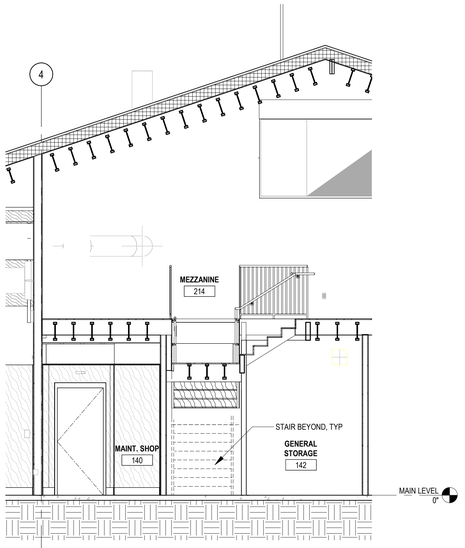
REVISION SCHEDULE

03	ADDENDUM #03	9/19/2025

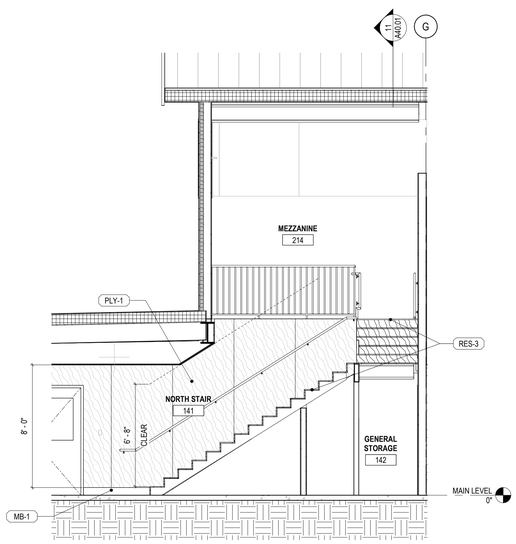
AHJ APPROVAL STAMP

WALL SECTIONS

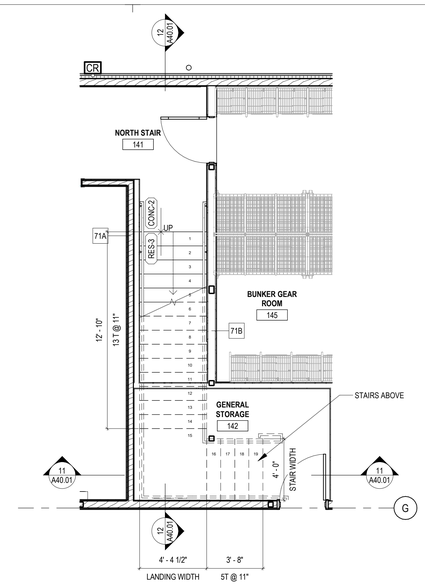
SHEET #
A33.02



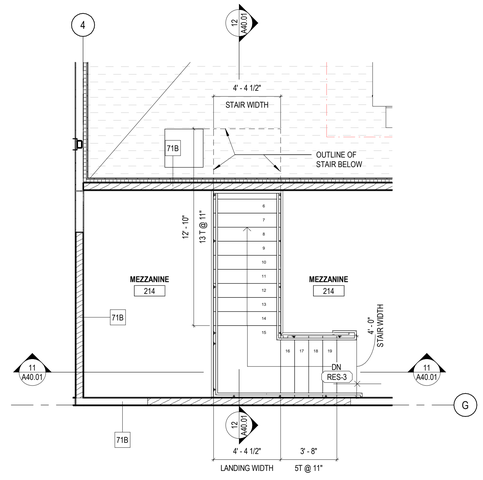
11 NORTH STAIR - TRANSVERSE SECTION
1/4" = 1'-0"



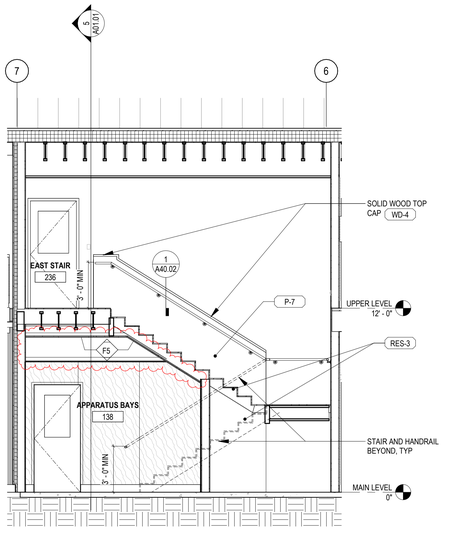
12 NORTH STAIR - LONGITUDINAL SECTION
1/4" = 1'-0"



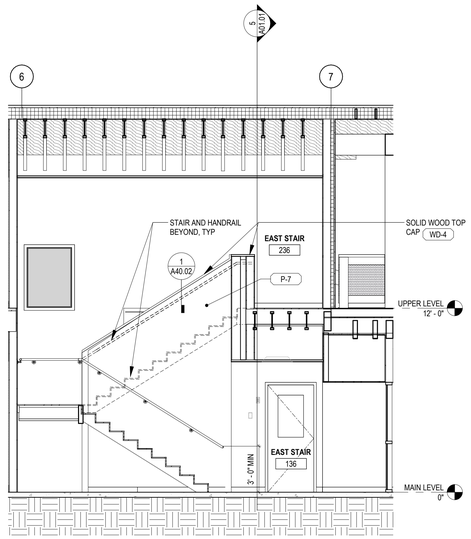
9 NORTH STAIR - FLOOR PLAN - MAIN LEVEL
1/4" = 1'-0"



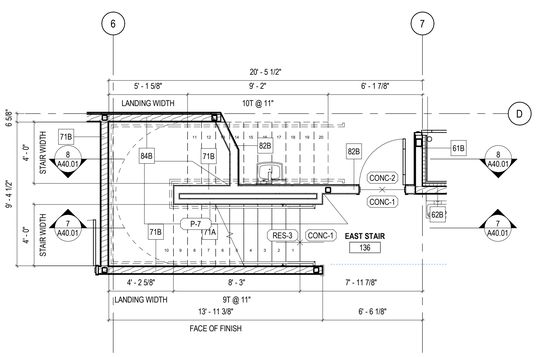
10 NORTH STAIR - FLOOR PLAN - UPPER LEVEL
1/4" = 1'-0"



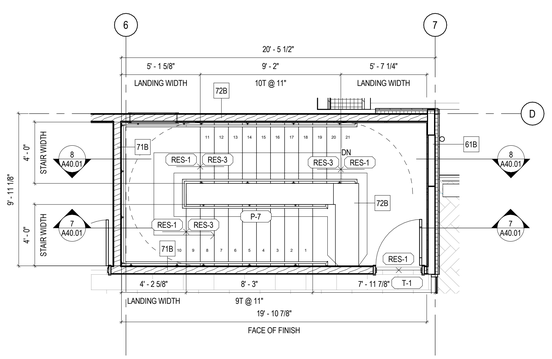
8 EAST STAIR - LONG SECTION (LOOKING SOUTH)
1/4" = 1'-0"



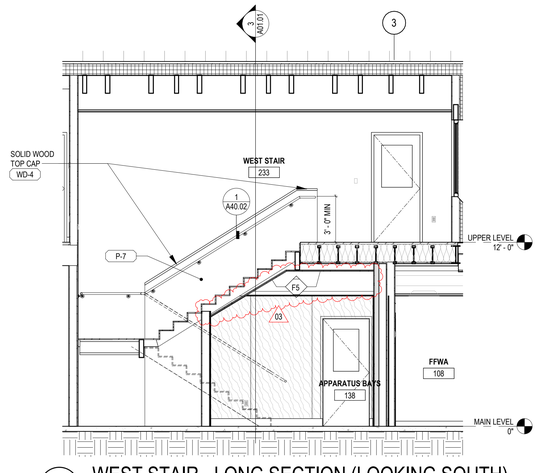
7 EAST STAIR - LONG SECTION (LOOKING NORTH)
1/4" = 1'-0"



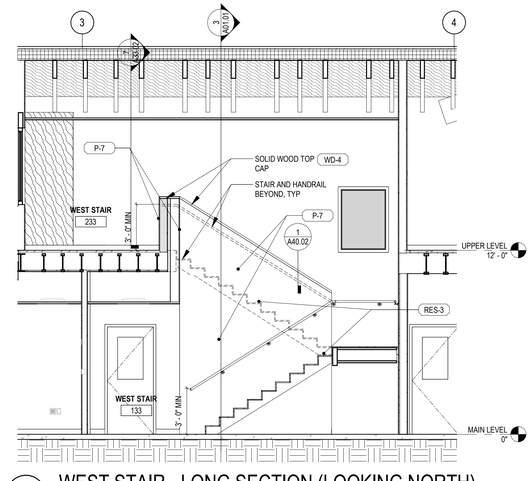
3 EAST STAIR - FLOOR PLAN - MAIN LEVEL
1/4" = 1'-0"



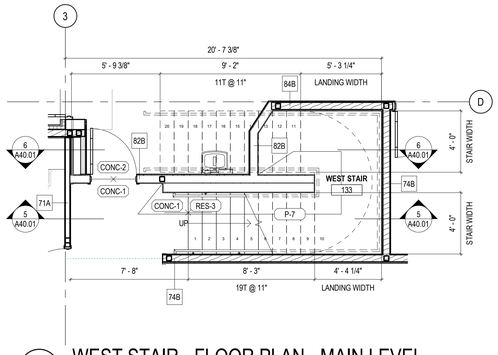
4 EAST STAIR - FLOOR PLAN - UPPER LEVEL
1/4" = 1'-0"



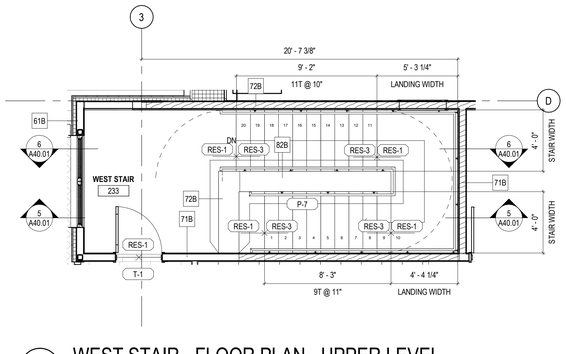
6 WEST STAIR - LONG SECTION (LOOKING SOUTH)
1/4" = 1'-0"



5 WEST STAIR - LONG SECTION (LOOKING NORTH)
1/4" = 1'-0"



1 WEST STAIR - FLOOR PLAN - MAIN LEVEL
1/4" = 1'-0"



2 WEST STAIR - FLOOR PLAN - UPPER LEVEL
1/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT #	2022011
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REVISION SCHEDULE

03	ADDENDUM #03	9/19/2025

AHJ APPROVAL STAMP

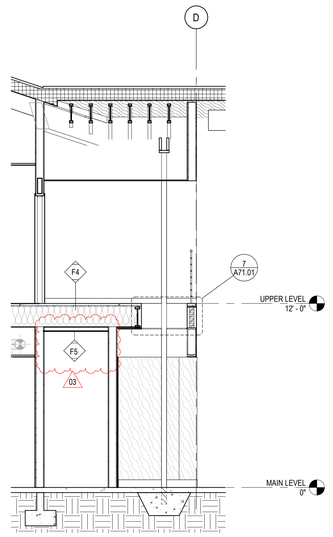
STAIR PLANS & SECTIONS

SHEET #
A40.01

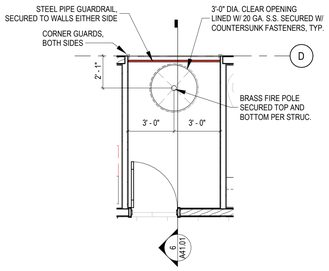
GENERAL NOTES - SLIDE POLE

NEW FIRE STATIONS OR NEW ADDITIONS TO AN EXISTING FIRE STATION, THAT INCORPORATE SLIDING POLES OR SLIDES IN THEIR DESIGN OR CONSTRUCTION MUST MEET THE FOLLOWING REQUIREMENTS PER WAC 296-305-06503:

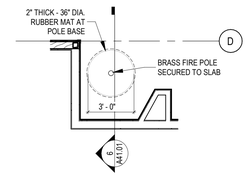
1. THE SLIDING POLE FLOOR OPENING WILL BE ENCLOSED BY WALLS WITH ACCESS PROVIDED TO THE FLOOR OPENING ONLY THROUGH A DOOR.
2. THE DOOR WILL HAVE A LATCH OR KNOBS NO LOWER THAN FIVE FEET FROM THE FLOOR.
3. THE DOOR WILL BE EQUIPPED WITH A SYSTEM THAT WILL AUTOMATICALLY KEEP THE DOOR LOCKED UNLESS AN ALARM REQUIRING A RESPONSE SOUNDS IN THE FIRE STATION. THIS AUTOMATIC LOCK SYSTEM WILL ALLOW FOR A MANUAL OVERRIDE, WHICH WILL BE USED ONLY TO ENABLE INSPECTION, MAINTENANCE, REPAIR OR REPLACEMENT OF THE SLIDING POLE, THE ENCLOSURE, THE DOOR, OR OTHER FEATURES OF THE SLIDING POLE SYSTEM. THE AUTOMATIC LOCK SYSTEM WILL FEATURE A WARNING LIGHT ABOVE OR ADJACENT TO THE DOOR THAT WILL INDICATE WHEN THE DOOR IS UNLOCKED.
4. PERMANENT ILLUMINATION WHICH CANNOT BE MANUALLY TURNED OFF WILL BE PROVIDED IN THE POLE HOLE.
5. THE AUTOMATIC LOCK SYSTEM WILL BE SUBJECT TO MONTHLY INSPECTIONS.
6. THE SLIDING POLE FLOOR OPENING WILL BE ILLUMINATED CONSTANTLY IN A MANNER THAT CANNOT BE OVERRIDDEN MANUALLY, EXCEPT AS NEEDED FOR INSPECTION, REPAIR, MAINTENANCE, OR REPLACEMENT.
7. THE BOTTOM OF THE SLIDING POLE WILL BE CUSHIONED BY A MINIMUM THREE-FOOT DIAMETER RUBBER MAT OR ITS EQUIVALENT.
8. NOTHING WILL BE STORED OR PLACED AT THE BOTTOM OF THE SLIDING POLE FOR A RADIUS OF THREE FEET FROM THE POLE.
9. DOORS WILL NOT PROTRUDE WITHIN THREE FEET OF THE POLE.
10. PROPER SLIDING POLE USE WILL BE INCLUDED AS PART OF THE FORMAL FIREFIGHTER TRAINING PROGRAM.



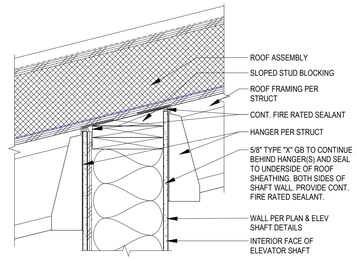
6 SLIDE POLE - SECTION
1/4" = 1'-0"



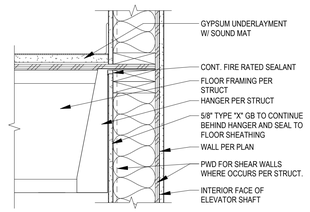
3 SLIDE POLE - FLOOR PLAN - UPPER LEVEL
1/4" = 1'-0"



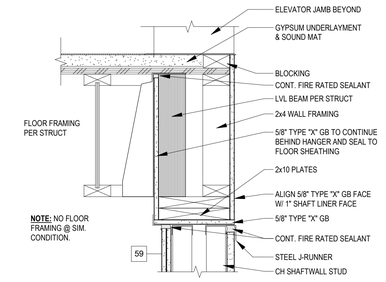
4 SLIDE POLE - FLOOR PLAN - MAIN LEVEL
1/4" = 1'-0"



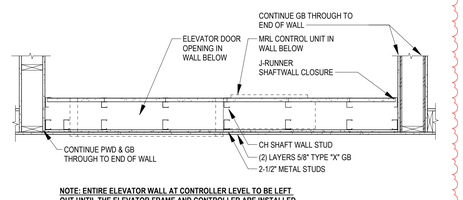
12 ELEVATOR WALL @ ROOF FRAMING
1 1/2" = 1'-0"



11 ELEVATOR WALL @ FLOOR FRAMING
1 1/2" = 1'-0"

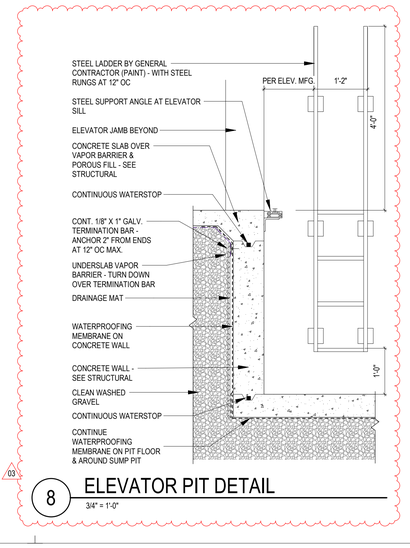


10 SHAFT WALL @ FLOOR FRAMING
1 1/2" = 1'-0"

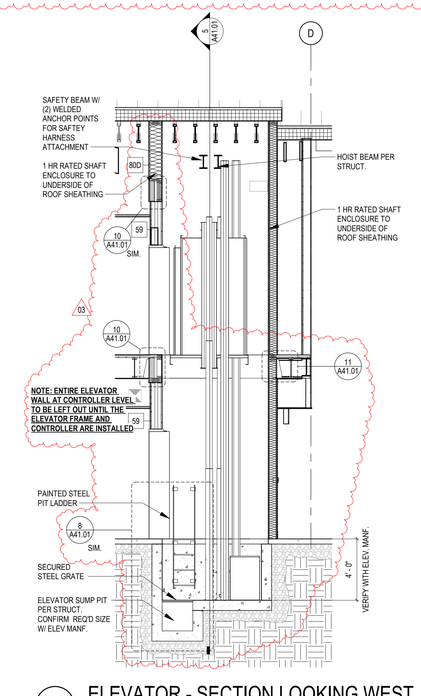


NOTE: ENTIRE ELEVATOR WALL AT CONTROLLER LEVEL TO BE LEFT OUT UNTIL THE ELEVATOR FRAME AND CONTROLLER ARE INSTALLED

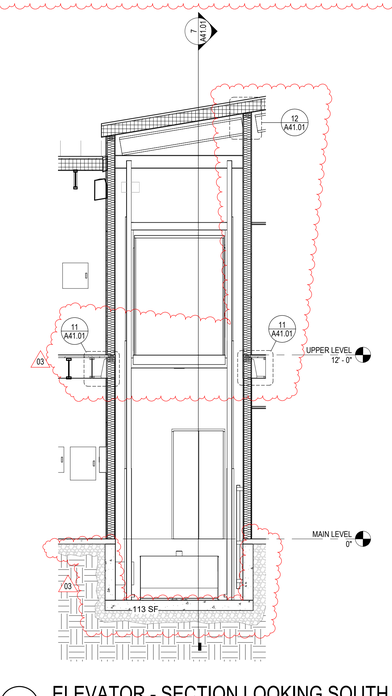
9 ELEVATOR WALL DETAIL
3/4" = 1'-0"



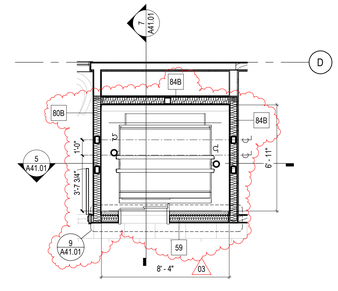
8 ELEVATOR PIT DETAIL
3/4" = 1'-0"



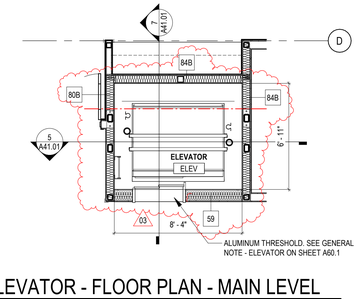
7 ELEVATOR - SECTION LOOKING WEST
1/4" = 1'-0"



5 ELEVATOR - SECTION LOOKING SOUTH
1/4" = 1'-0"



2 ELEVATOR - FLOOR PLAN - UPPER LEVEL
1/4" = 1'-0"



1 ELEVATOR - FLOOR PLAN - MAIN LEVEL
1/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
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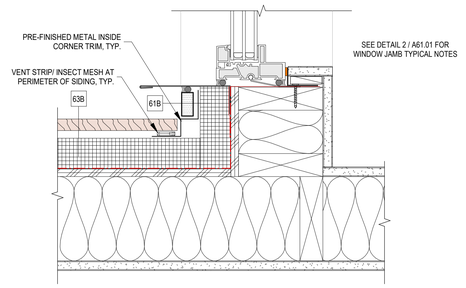
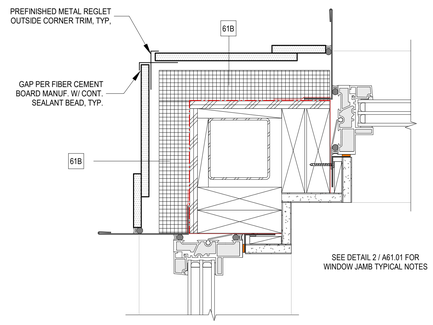
AHJ APPROVAL STAMP

ELEVATOR & SLIDE POLE

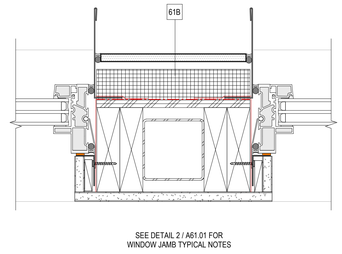
SHEET #
A41.01



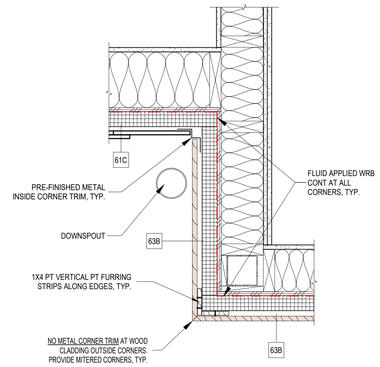
9 PLAN DTL @ WINDOW JAMB & WOOD TO CMT
3" = 1'-0"



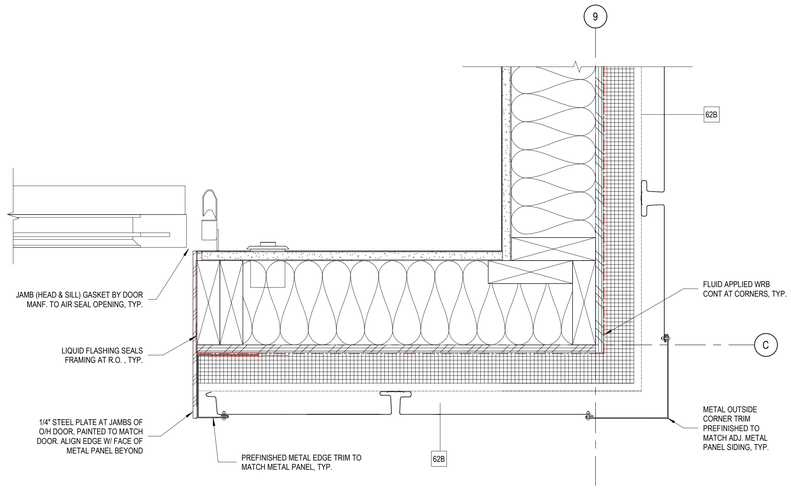
7 PLAN DETAIL WINDOW JAMBS @ OUTSIDE CORNER
3" = 1'-0"



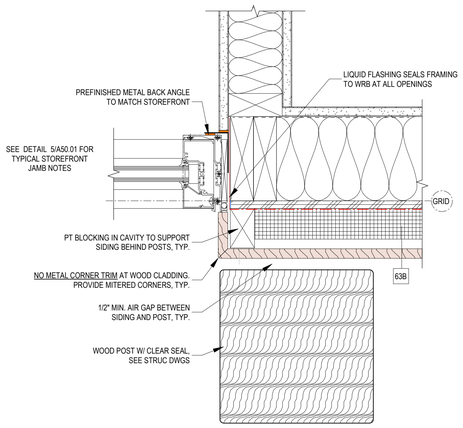
8 PLAN DETAIL WINDOW JAMBS @ COLUMN
3" = 1'-0"



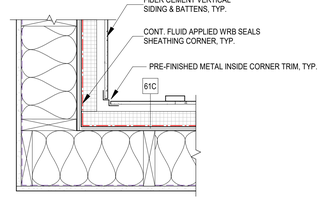
4 PLAN DETAIL @ WOOD TO CMT TRANSITION
1 1/2" = 1'-0"



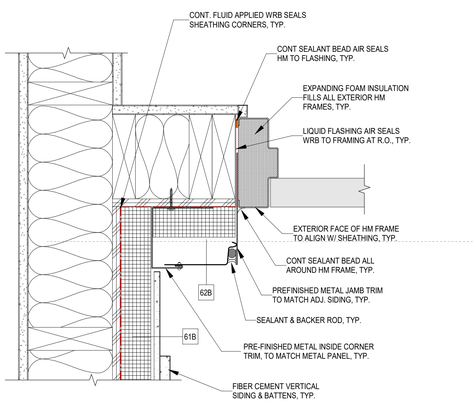
10 PLAN DETAIL @ METAL PANEL OUTSIDE CORNER
3" = 1'-0"



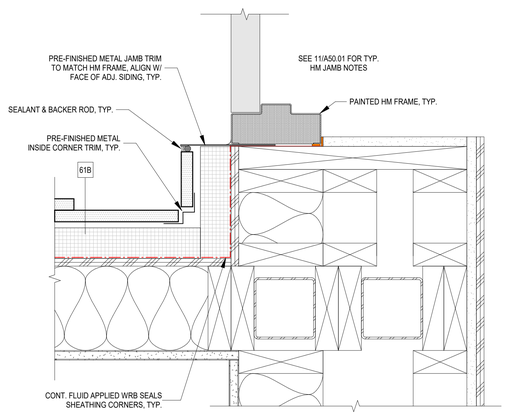
6 PLAN DETAIL STOREFRONT JAMB @ WOOD COLUMN
3" = 1'-0"



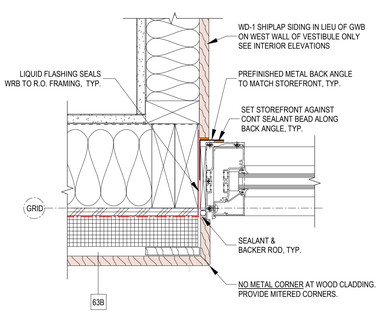
3 PLAN DETAIL @ CMT SIDING INSIDE CORNER
1 1/2" = 1'-0"



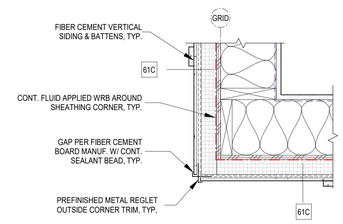
11 PLAN DTL @ MTL TO CMT INSIDE CORNER
3" = 1'-0"



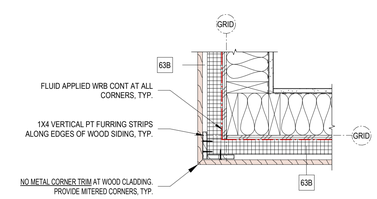
12 PLAN DTL @ HM JAMB & CMT INSIDE CORNER
3" = 1'-0"



5 PLAN DETAIL STOREFRONT JAMB @ WOOD
3" = 1'-0"



2 PLAN DETAIL @ CMT SIDING OUTSIDE CORNER
1 1/2" = 1'-0"



1 PLAN DETAIL @ WOOD OUTSIDE CORNER
1 1/2" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

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GUNNAR R. GLADICS
STATE OF WASHINGTON

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT # 2022011
BID SET
ISSUE DATE AUGUST 15, 2025

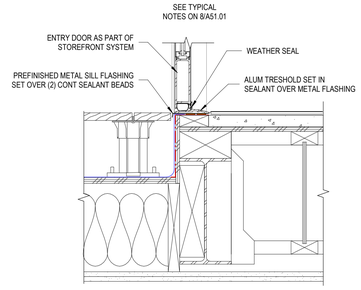
REVISION SCHEDULE

03	ADDENDUM #03	9/19/2025

AHJ APPROVAL STAMP

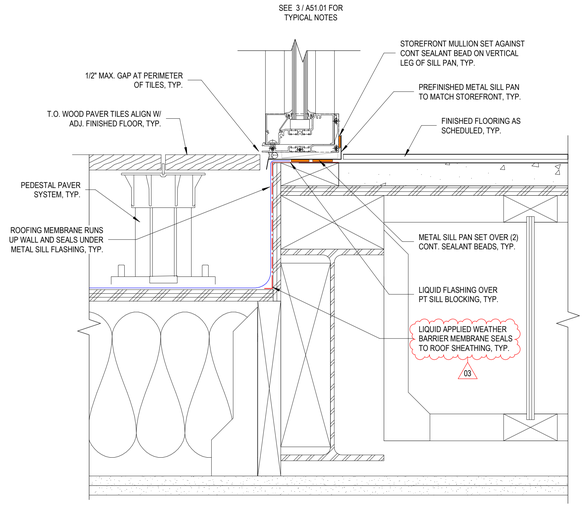
EXTERIOR PLAN DETAILS

SHEET # 03
A50.01



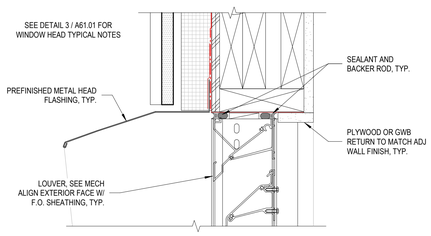
9 SECTION DETAIL STOREFRONT BALCONY DOOR

1 1/2" = 1'-0"



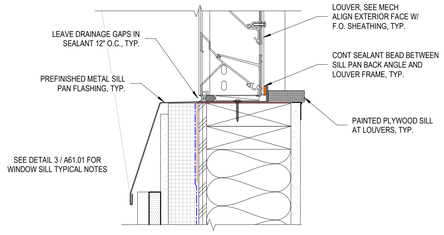
8 SECTION DETAIL STOREFRONT SILL AT BALCONY

3" = 1'-0"



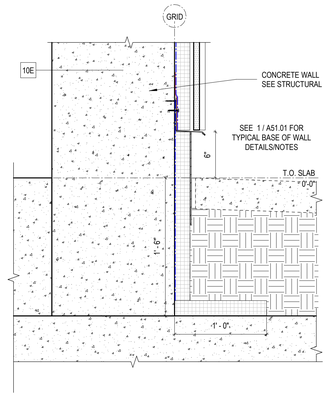
7 SECTION DETAIL AT MECH LOUVER HEAD

3" = 1'-0"



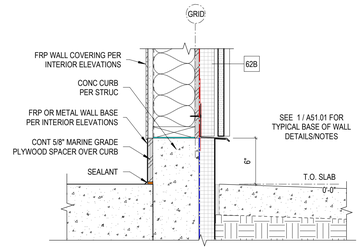
6 SECTION DETAIL AT MECH LOUVER SILL

3" = 1'-0"



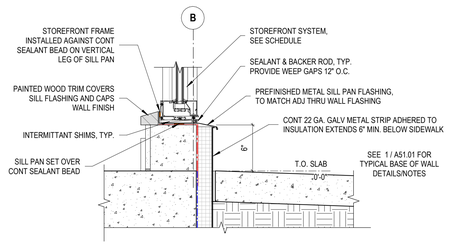
5 SECTION DETAIL AT BASE OF APP BAY PIER

1 1/2" = 1'-0"



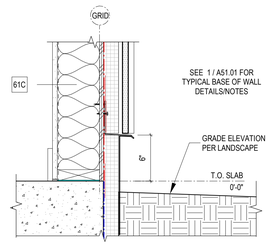
4 SECTION DETAIL AT WALL AT CURB

1 1/2" = 1'-0"



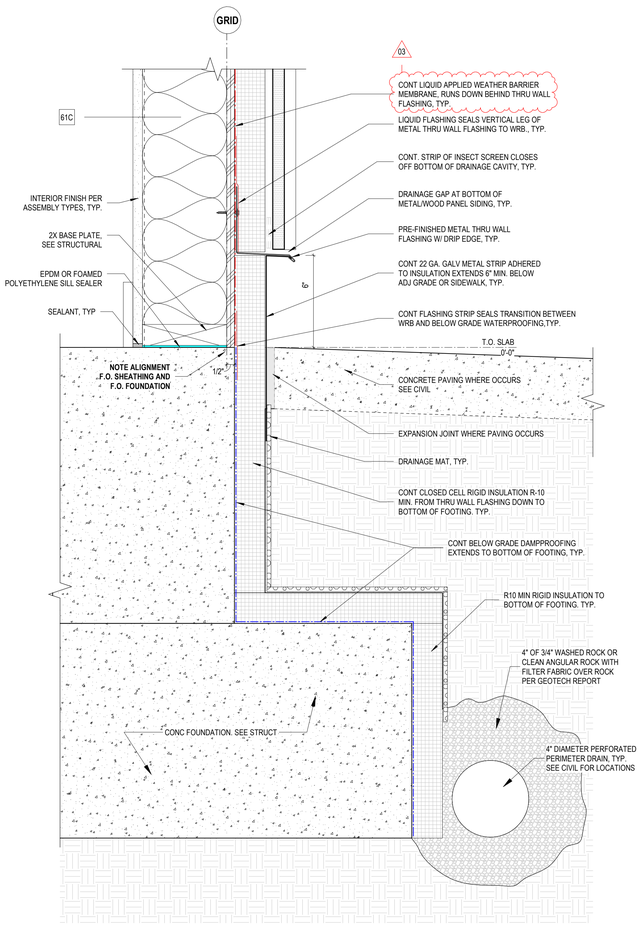
3 SECTION DETAIL AT BASE OF STOREFRONT

1 1/2" = 1'-0"



2 SECTION DETAIL WALL BASE LANDSCAPE

1 1/2" = 1'-0"



1 SECTION DETAIL AT TYPICAL EXTERIOR WALL BASE

3" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
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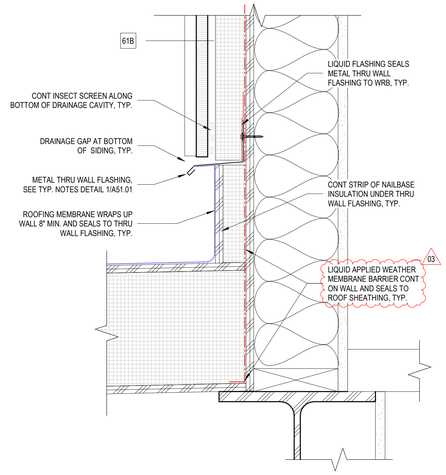
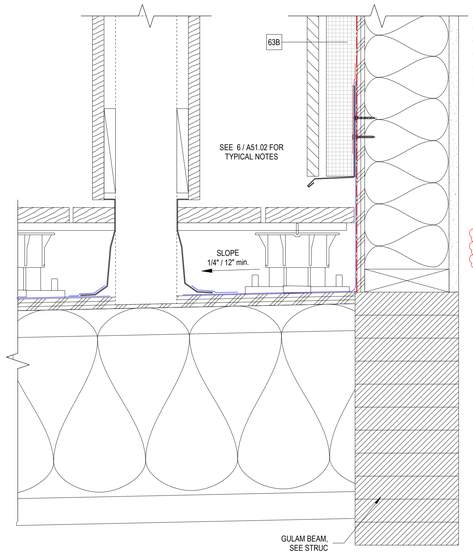
AHJ APPROVAL STAMP

EXTERIOR SECTION DETAILS

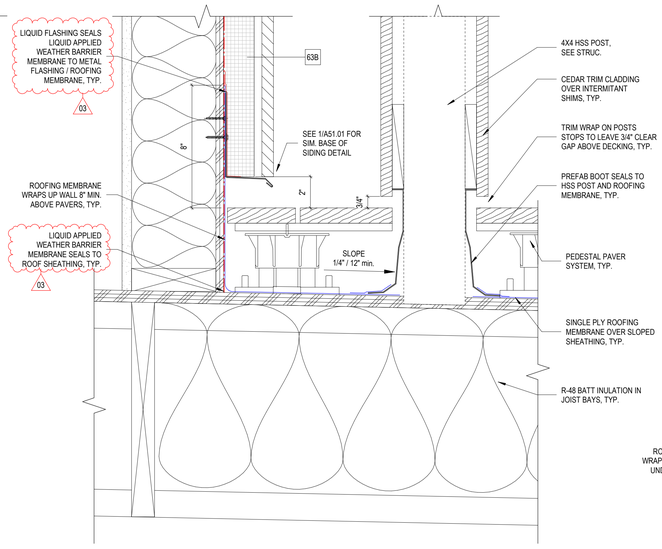
SHEET #
A51.01



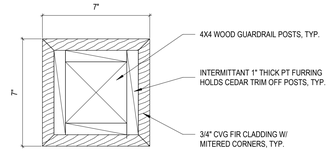
10 SECTION DETAIL AT LOW ROOF / MEZZANINE
3" = 1'-0"



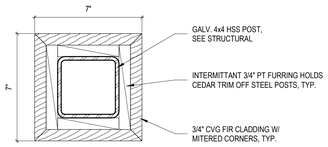
8 SECTION DETAIL AT WEST BALCONY BEAM
3" = 1'-0"



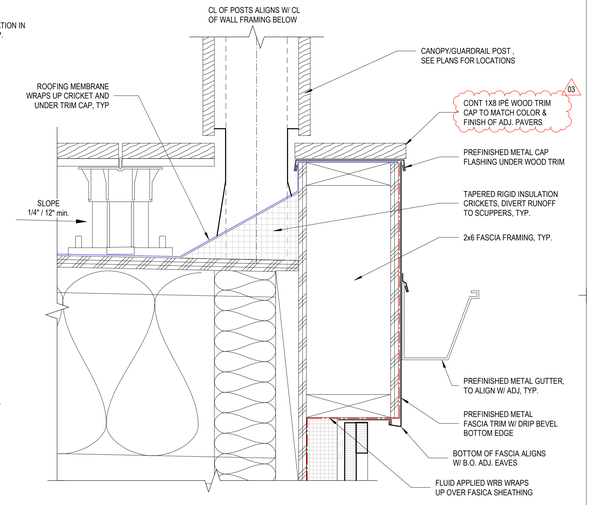
6 SECTION DETAIL AT EAST BALCONY SIDE WALL
3" = 1'-0"



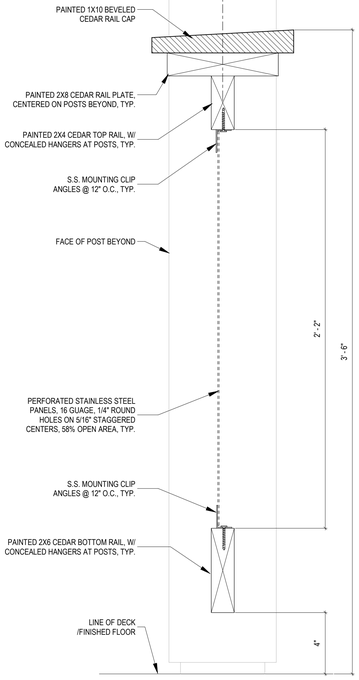
4 PLAN DETAIL @ TYP. BALCONY GUARDRAIL POST
3" = 1'-0"



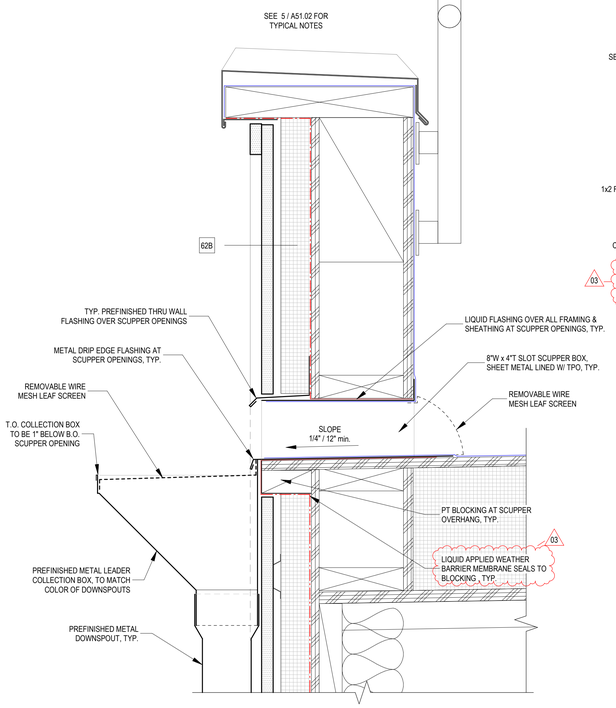
3 PLAN DETAIL @ TYP. BALCONY CANOPY POST
3" = 1'-0"



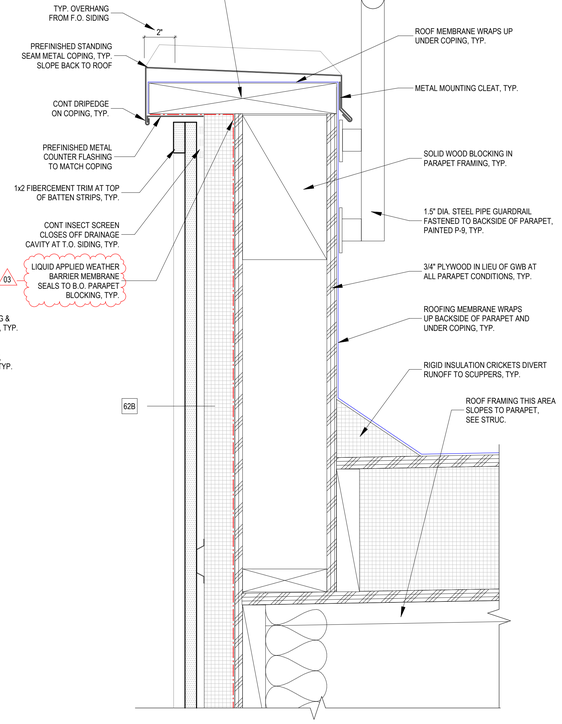
2 SECTION DETAIL AT BALCONY POST
3" = 1'-0"



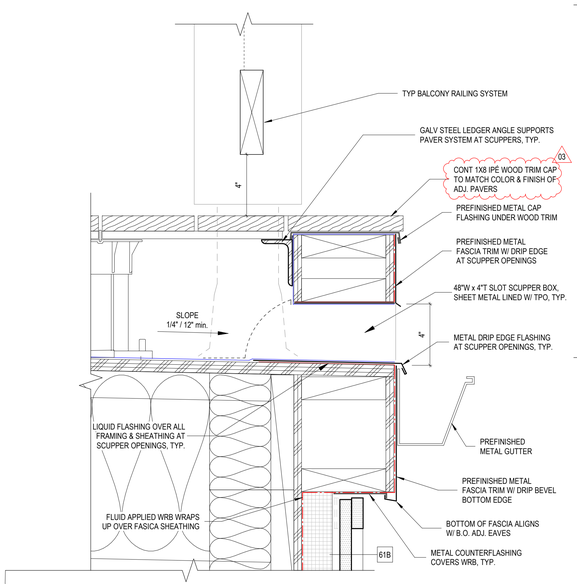
9 SECTION DETAIL AT TYP. BALCONY RAILING
3" = 1'-0"



7 SECTION DETAIL AT MEZZANINE SCUPPER
3" = 1'-0"



5 SECTION DETAIL AT MEZZANINE PARAPET
3" = 1'-0"



1 SECTION DETAIL AT SLOT SCUPPER
3" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
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RFMARCH.COM

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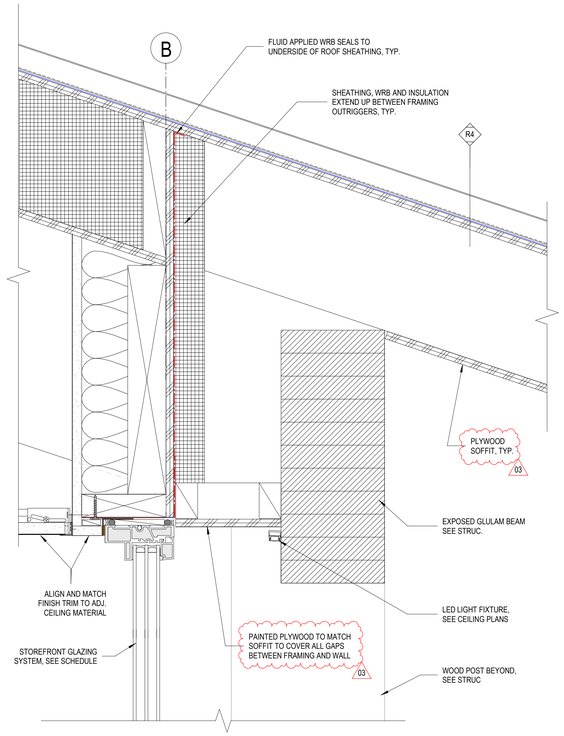
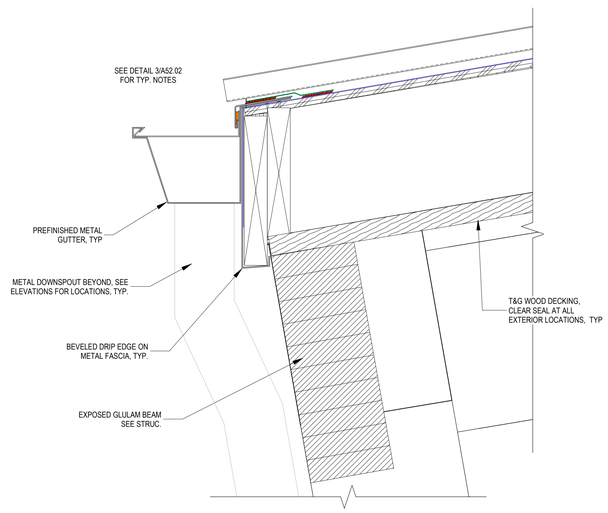
EXTERIOR SECTION DETAILS

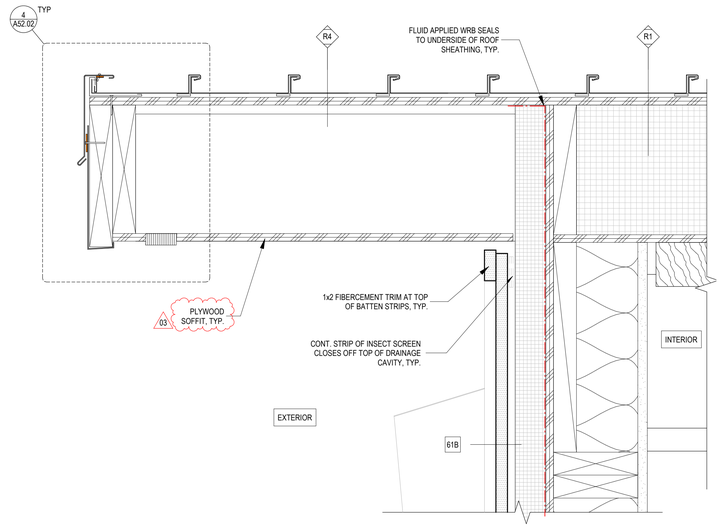
SHEET #
A51.02



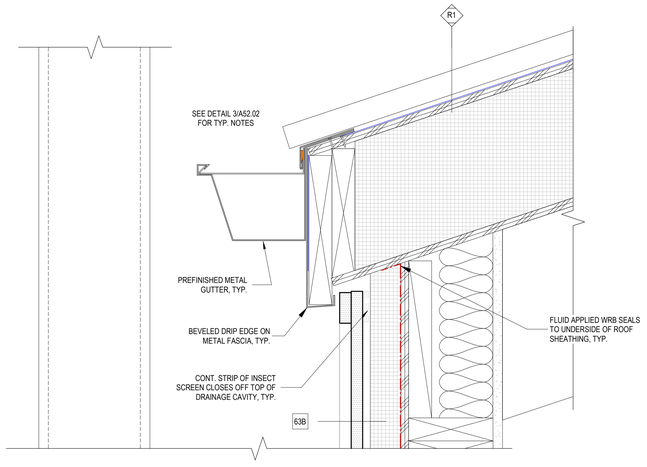
5 SECTION DETAIL EXPOSED BEAM AT VESTIBULE
3" = 1'-0"



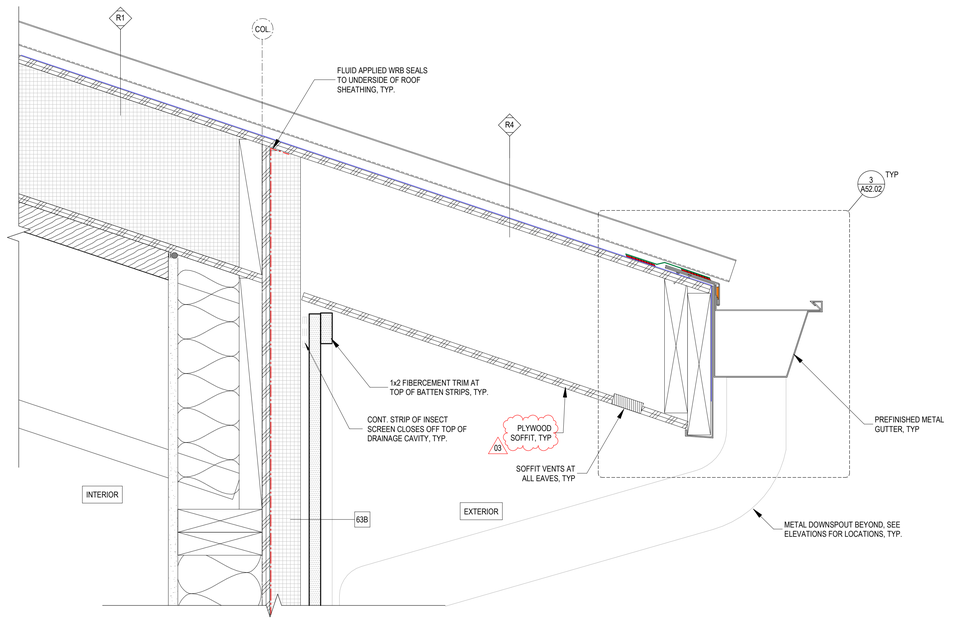
4 SECTION DETAIL AT APP BAY WEST EAVE
3" = 1'-0"



2 SECTION DETAIL @ TYP GABLE RAKE OVERHANG
3" = 1'-0"



3 SECTION DETAIL AT WEST BALCONY GUTTER
3" = 1'-0"



1 SECTION DETAIL @ TYPICAL ROOF EAVE (PARALELL TO RAFTERS)
3" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
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RFMARCH.COM

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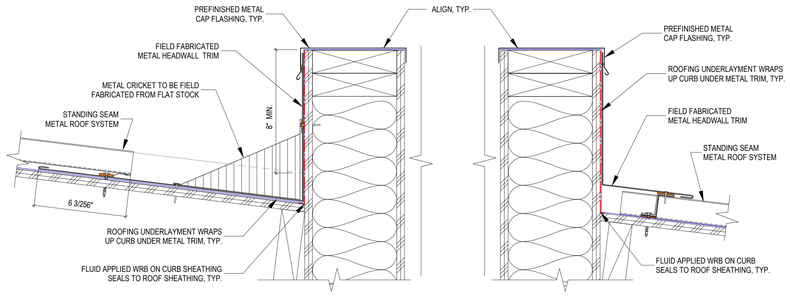
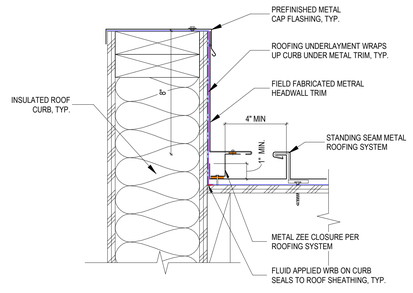
ROOF DETAILS

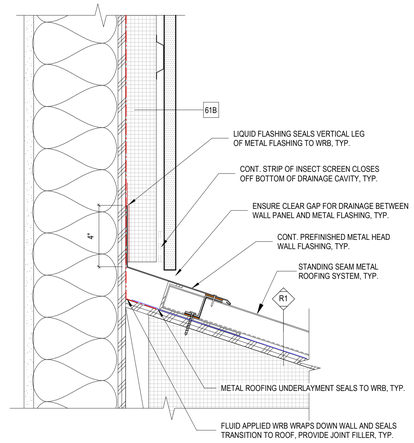
SHEET #
A52.01



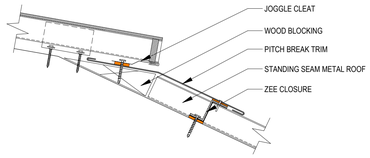
9 SECTION DETAIL - ROOF CURB
3" = 1'-0"



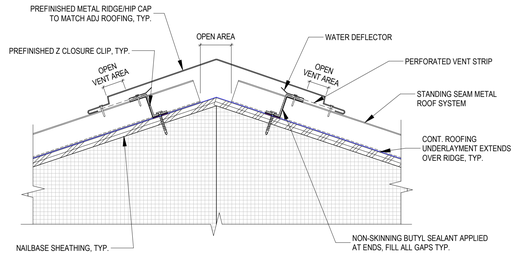
8 SECTION DETAIL - ROOF CURB RAKE
3" = 1'-0"



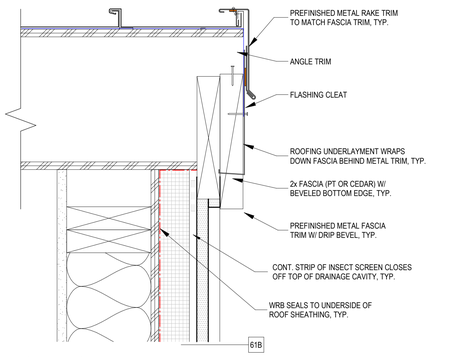
2 SECTION DETAIL - ROOF HEAD WALL
3" = 1'-0"



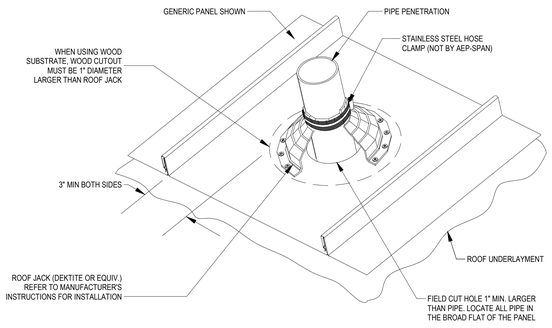
11 SECTION DETAIL - HI LO TRANSITION
3" = 1'-0"

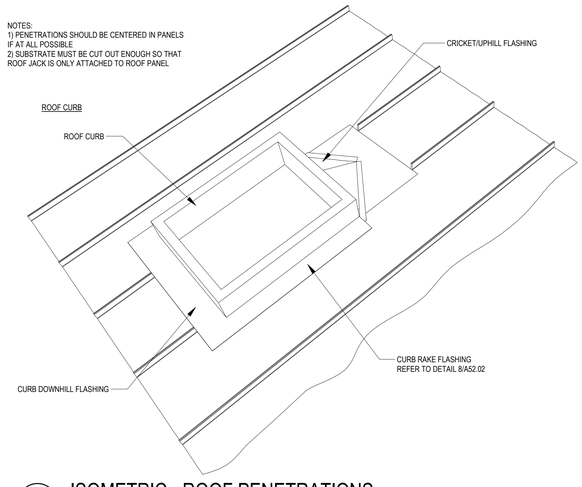


6 SECTION DETAIL- VENTED RIDGE
3" = 1'-0"

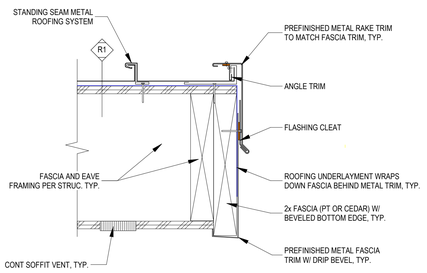


1A SECTION DETAIL RAKE ROOF EDGE
3" = 1'-0"

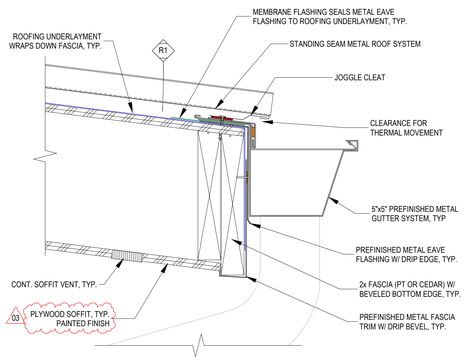




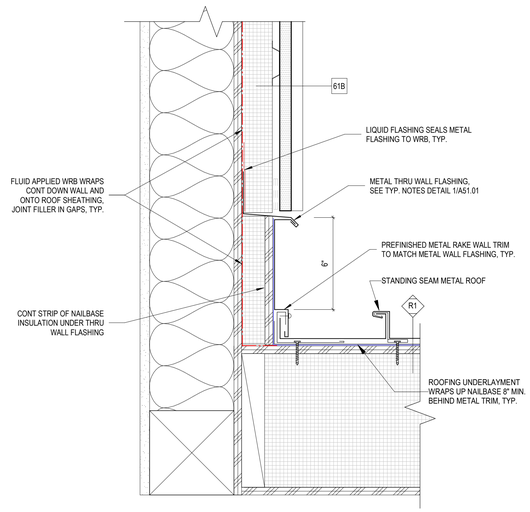
10 ISOMETRIC - ROOF PENETRATIONS
3" = 1'-0"



4 SECTION DETAIL - RAKE EDGE
3" = 1'-0"



3 SECTION DETAIL - GUTTER @ EAVE
3" = 1'-0"



1 SECTION DETAIL - RAKE AT ROOF/WALL
3" = 1'-0"

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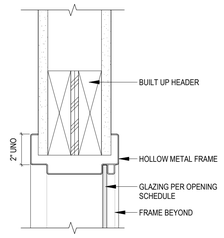
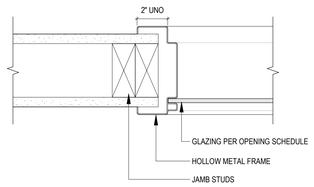
ROOF DETAILS

SHEET #
A52.02



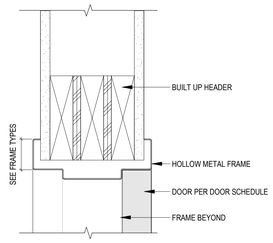
5 SECTION @ HM RELITE HEAD

3" = 1'-0"



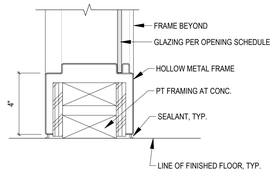
4 PLAN @ HM RELITE JAMB

3" = 1'-0"



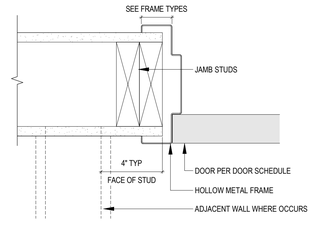
2 SECTION @ TYP. INTERIOR HM HEAD

3" = 1'-0"



3 SECTION @ HM RELITE SILL

3" = 1'-0"



1 PLAN @ TYP. INTERIOR HM JAMB

3" = 1'-0"

DOOR SCHEDULE LEGEND

TMPD = TEMPERED GLASS

CLR = CLEAR VISION GLASS

BLK AL = BLACK ANODIZED ALUMINUM

IGU = INSULATED GLAZING UNIT

WT AL = WHITE ALUMINUM

GENERAL NOTES - ELEVATOR

1. ELEVATOR DOOR THRESHOLD TO BE PEMCO ALUMINUM PLATE 14/1, MILL FINISH: ALUMINUM. HEIGHT: 1/4", WIDTH: DEPTH OF ELEVATOR DOOR JAMB, LENGTH: WIDTH OF DOOR OPENING. VERIFY IN FIELD.

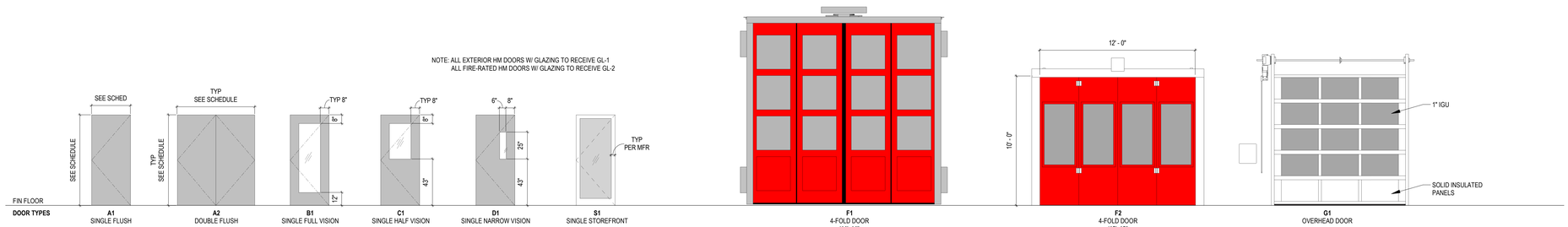
DOOR SCHEDULE - LEVEL 1

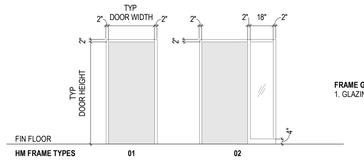
	ROOM		DOOR INFORMATION							FRAME INFORMATION			FIRE	HARDWARE	
DOOR #	NUMBER	NAME	TYPE	MATERIAL	FINISH	GLAZING	HEIGHT	WIDTH	THICKNESS	FRAME TYPE	MATERIAL	FINISH	RATING	GROUP	COMMENTS
100A	100	VESTIBULE	S1	ALUM	BLK AL	CLR, TMPD	8' - 0"	3' - 0"	1 3/4"	Storefront	ALUM	BLK AL		01	ACCESS CONTROL, PANIC HARDWARE, DOOR CONTACT FOR MECH
100B	100	VESTIBULE	B1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		02	PANIC HARDWARE
101	101	ADA RESTROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		03	OCCUPANCY INDICATOR; PROVIDE ROBE HOOK AT INSIDE DOOR
102	102	CONFERENCE ROOM	B1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	02	HM	P-7		04	PASSAGE
103	103	STORAGE	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	03	06	PASSAGE
105	105	BC OFFICE	B1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	02	HM	P-7		05	OFFICE LOCKSET
106	106	LT. OFFICE	B1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		05	OFFICE LOCKSET
107	107	LT. OFFICE	B1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		05	OFFICE LOCKSET
108A	108	FFWA	B1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	02	HM	P-7		04	PASSAGE
108B	108	FFWA	B1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	WD	P-7		04	PASSAGE
109	109	STORAGE	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		06	STOREROOM
110	110	LAUNDRY	D1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		07	PASSAGE
111	111	SHOWER/RR	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		08	OCCUPANCY INDICATOR; PROVIDE ROBE HOOK AT INSIDE DOOR
112	112	ADA SHOWER/RR	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		08	OCCUPANCY INDICATOR; PROVIDE ROBE HOOK AT INSIDE DOOR
114	114	SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
115	115	SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
116	116	SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
117	117	SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
118	118	SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
119	119	SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
120	120	SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
121	121	SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
122	122	ADA SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
123	123	SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
124	124	SLEEP ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	20 MIN	03	OCCUPANCY INDICATOR, CLOSER
125	125	STORAGE	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		03 04.1	STOREROOM
126	126	ADA SHOWER/RR	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		08	OCCUPANCY INDICATOR; PROVIDE ROBE HOOK AT INSIDE DOOR
127	127	SHOWER/RR	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		08	OCCUPANCY INDICATOR; PROVIDE ROBE HOOK AT INSIDE DOOR
128	128	SHOWER/RR	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		08	OCCUPANCY INDICATOR; PROVIDE ROBE HOOK AT INSIDE DOOR
129	129	JANITOR	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	03	04.1	PASSAGE
130	130	DISASTER STORAGE	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		06	STOREROOM
131A	131	FITNESS	B1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	03	HM	P-7	03	04.1	PASSAGE
131B	131	FITNESS	C1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	03	04.1	PASSAGE
131C	131	FITNESS	C1	HM	P-7	CLR, TMPD, 1" IGU	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		09	ACCESS CONTROL, PANIC, DOOR CONTACT FOR MECH
131D	131	FITNESS	G1	STL	MATCH P-7	CLR, TMPD, 1" IGU	8' - 0"	7' - 0"	1 3/4"					10	DOOR CONTACT FOR MECH.
132	132	MAIN HALL	C1	HM	P-7	CLR, TMPD, FIRE RATED	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	45 MIN	11	PANIC HARDWARE
133	133	WEST STAIR	C1	HM	P-7	CLR, TMPD, FIRE RATED	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	45 MIN	11	PANIC HARDWARE
134	134	EMS SUPPLY	C1	HM	P-7	CLR, TMPD, FIRE RATED	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	45 MIN	12	ACCESS CONTROL
135	135	ELECT / IT ROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		12	ACCESS CONTROL
136	136	EAST STAIR	C1	HM	P-7	CLR, TMPD, FIRE RATED	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	45 MIN	11	PANIC HARDWARE
138A	138	APPARATUS BAYS	F1		P-9	CLR, TMPD	14' - 0"	14' - 0"						10	DOOR CONTACT FOR MECH (BI-FOLD)
138B	138	APPARATUS BAYS	F1		P-9	CLR, TMPD	14' - 0"	14' - 0"						10	DOOR CONTACT FOR MECH (BI-FOLD)
138C	138	APPARATUS BAYS	F1		P-9	CLR, TMPD	14' - 0"	14' - 0"						10	DOOR CONTACT FOR MECH (BI-FOLD)
138D	138	APPARATUS BAYS	C1	HM	P-7	CLR, TMPD, 1" IGU	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		09	ACCESS CONTROL, PANIC HARDWARE, DOOR CONTACT FOR MECH
138E	138	APPARATUS BAYS	F1		P-9	CLR, TMPD	14' - 0"	14' - 0"						10	DOOR CONTACT FOR MECH (BI-FOLD)
138F	138	APPARATUS BAYS	F1		P-9	CLR, TMPD	14' - 0"	14' - 0"						10	DOOR CONTACT FOR MECH (BI-FOLD)
138G	138	APPARATUS BAYS	F1		P-9	CLR, TMPD	14' - 0"	14' - 0"						10	DOOR CONTACT FOR MECH (BI-FOLD)
138H	138	APPARATUS BAYS	C1	HM	P-7	CLR, TMPD, 1" IGU	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		09	ACCESS CONTROL, PANIC HARDWARE, DOOR CONTACT FOR MECH
139A	139	NORTH APPARATUS BAYS	F2		P-9	CLR, TMPD	10' - 0"	12' - 0"						10	DOOR CONTACT FOR MECH (BI-FOLD)
139B	139	NORTH APPARATUS BAYS	F2		P-9	CLR, TMPD	10' - 0"	12' - 0"						10	DOOR CONTACT FOR MECH (BI-FOLD)
141A	141	NORTH STAIR	A1	HM	P-7	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		09	ACCESS CONTROL, PANIC, DOOR CONTACT FOR MECH
142	142	GENERAL STORAGE	A1	HM	P-7	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	03	06	STOREROOM
143	143	JANITOR SUPPLY	A1	HM	P-7	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	03	04.1	PASSAGE
144	144	APP BAY R.R.	A1	HM	P-7	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		08	OCCUPANCY INDICATOR; PROVIDE ROBE HOOK AT INSIDE DOOR
145A	145	BUNKER GEAR ROOM	C1	HM	P-7	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	03	04.1	PASSAGE
145B	145	BUNKER GEAR ROOM	C1	HM	P-7	CLR, TMPD	7' - 0"	3' - 6"	1 3/4"	01	HM	P-7		04.1	PASSAGE
146	146	HALL	C1	HM	P-7	CLR, TMPD, 1" IGU	7' - 0"	3' - 6"	1 3/4"	01	HM	P-7		09	ACCESS CONTROL, PANIC, DOOR CONTACT FOR MECH
148	148	DECON	C1	HM	P-7	CLR, TMPD, 1" IGU	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		09	ACCESS CONTROL, PANIC, DOOR CONTACT FOR MECH
149	149	AIR ROOM	A2	HM	P-7	N/A	7' - 0"	6' - 0"	1 3/4"	01	HM	P-7		13	STOREROOM
150A	150	ELECTRICAL ROOM	A1	HM	P-7	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		14	ACCESS CONTROL, PANIC
150B	150	ELECTRICAL ROOM	A1	HM	P-7	N/A	7' - 0"	3' - 6"	1 3/4"	01	HM	P-7		15	ACCESS CONTROL, PANIC, DOOR CONTACT FOR MECH
151	151	WATER ROOM	A2	HM	P-7	N/A	8' - 0"	6' - 0"	1 3/4"	02	HM	P-7		20	ACCESS CONTROL, ONE ACTIVE LEAF W/ BOLTED INACTIVE LEAF, OH STOPS & HOLD OPENS

DOOR SCHEDULE - LEVEL 2

	ROOM		DOOR INFORMATION							FRAME INFORMATION			FIRE	HARDWARE	
DOOR #	NUMBER	NAME	TYPE	MATERIAL	FINISH	GLAZING	HEIGHT	WIDTH	THICKNESS	FRAME TYPE	MATERIAL	FINISH	RATING	GROUP	COMMENTS
201	201	KITCHEN / DINING ROOM	S1	AL	BLK AL	CLR, TMPD	7' - 10"	3' - 0 3/4"	1 3/4"	Storefront	ALUM	BLK AL		21	DOOR CONTACT FOR MECH.
202	202	MECH.	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		06	STOREROOM
203	203	POLE	C1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	45 MIN	18.1	LOCKED UNLESS ALERTED. LIGHTED INDICATOR FOR UNLOCKED POSITION, LATCH HARDWARE MOUTED AT 5'-1" AFF.
204	204	WELLNESS	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		03 04	PASSAGE
205A	205	TRAINING ROOM	C1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		03 04.1	PASSAGE
205B	205	TRAINING ROOM	C1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		04	PASSAGE
206	206	RESTROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		03 03	OCCUPANCY INDICATOR; PROVIDE ROBE HOOK AT INSIDE DOOR
207	207	RESTROOM	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		03 03	OCCUPANCY INDICATOR; PROVIDE ROBE HOOK AT INSIDE DOOR
208	208	JANITOR	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		04.1	PASSAGE
209	209	UPPER HALL	S1	AL	BLK AL	CLR, TMPD	7' - 10"	3' - 0 3/4"	1 3/4"	Storefront	ALUM	BLK AL		21	DOOR CONTACT FOR MECH.
210	210	ELEC. / IT	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		12	ACCESS CONTROL
212	212	DAYROOM	C1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		04	PASSAGE
214	214	MEZZANINE	A1	WD	ST-1	N/A	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7		19	DOOR CONTACT FOR MECH.
233	233	WEST STAIR	C1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	45 MIN	18	PASSAGE, PANIC
236	236	EAST STAIR	C1	WD	ST-1	CLR, TMPD	7' - 0"	3' - 0"	1 3/4"	01	HM	P-7	45 MIN	18	PASSAGE, PANIC

NOTE: ALL EXTERIOR HM DOORS W/ GLAZING TO RECEIVE GL-1
ALL FIRE-RATED HM DOORS W/ GLAZING TO RECEIVE GL-2





FRAME GENERAL NOTES
1. GLAZING TYPE IS GL-3 UNLESS NOTED OTHERWISE.

DOOR & FRAME TYPES

1/4" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

22020863
REGISTERED ARCHITECT
GUNNAR R. GLADICS
STATE OF WASHINGTON

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT # 2022011

BID SET

ISSUE DATE AUGUST 15, 2025

REVISION SCHEDULE

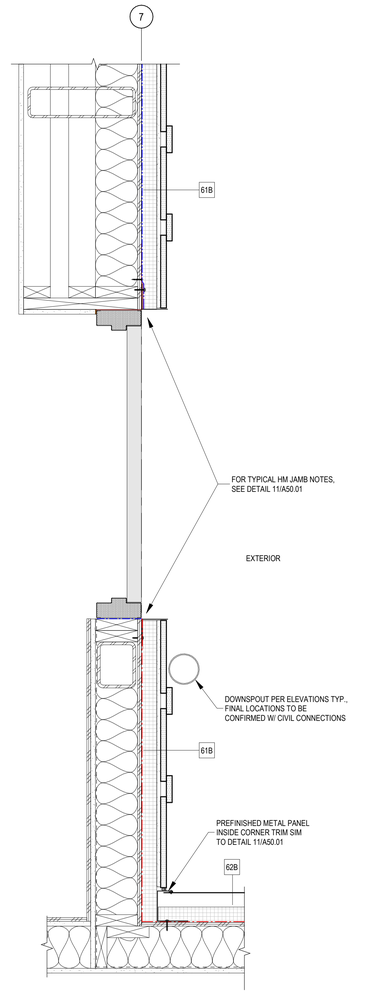
03	ADDENDUM #03	9/19/2025

AHJ APPROVAL STAMP

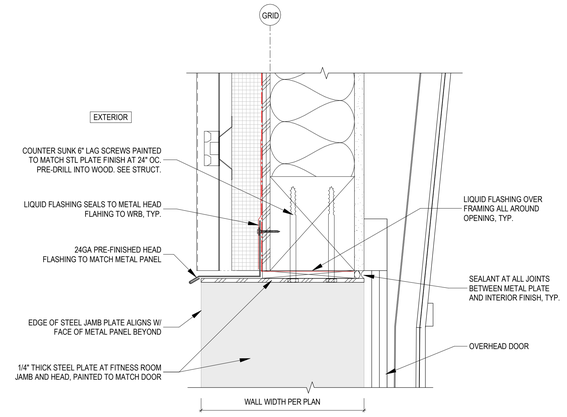
DOOR SCHEDULES, DOOR & FRAME TYPES, INTERIOR DOOR DETAILS

SHEET #

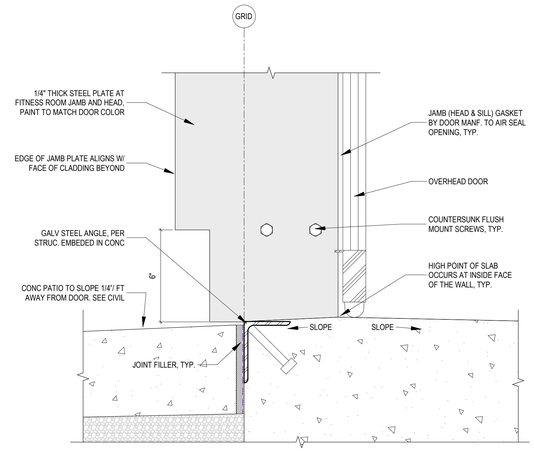
A60.01



3 PLAN DETAIL AT FURRED WALL HM JAMBS
1 1/2" = 1'-0"



2 SECTION DETAIL @ FITNESS ROOM OVERHEAD DOOR HEAD
3" = 1'-0"



1 SECTION DETAIL @ FITNESS ROOM OVERHEAD DOOR SILL
3" = 1'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
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03	ADDENDUM #03	9/19/2025

AHJ APPROVAL STAMP

EXTERIOR DOOR DETAILS

SHEET # 03 **A60.03**

GENERAL NOTES (APPLIES TO ALL SHEETS)

1. PRIOR TO BIDDING, THE CONTRACTOR/INSTALLING VENDOR SHALL VERIFY ALL CMU/CONCRETE WALLS, BRICK WALLS, UNDERGROUND CONDUIT CAPACITIES, CABLE ROUTING AND ALL WORK REQUIRED TO FACILITATE A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
2. CONTRACTOR SHALL REFER TO STRUCTURAL DRAWINGS FOR BRACE FRAMED AND SHEAR WALLS. CONTRACTOR SHALL MOUNT DEVICES AND ROUTE CONDUIT SO AS NOT TO INTERFERE WITH THE STRUCTURAL INTEGRITY OF THE WALL.
3. CONDUITS ARE NOT ALLOWED TO BE ROUTED IN ANY CONCRETE SLAB. CONDUITS MAY BE ROUTED UNDER THE SLAB ONLY.
4. ALL CONDUITS ROUTED UNDER THE CONCRETE SLAB SHALL BE ROUTED PARALLEL TO ONE ANOTHER AND MAY NOT CROSS OVER EACH OTHER UNLESS SPECIFICALLY ALLOWED BY THE ENGINEER.
5. ALL SPARE CONDUITS (FOR FUTURE USE) SHALL BE LABELED "SPARE/FUTURE CONDUIT" AT EACH END OF THE CONDUIT WITH 1/2" TALL LETTERS, USING A PERMANENT MARKER.
6. ALL CABLING SHALL BE RUN IN CONDUIT AND CONDUIT SHALL BE RUN PARALLEL OR PERPENDICULAR TO THE STRUCTURE. THE CONTRACTOR/INSTALLING VENDOR SHALL COORDINATE ALL CONDUIT ROUTING WITH THE OWNER. NEATLY SURFACE MOUNT EXPOSED CONDUIT.
7. ALL OUTLETS, SWITCHES, AND DEVICES MOUNTED BACK TO BACK IN A WALL MUST BE SPACED A MINIMUM OF 24" APART TO MEET ACOUSTICAL REQUIREMENTS.
8. THE CABLING AND EQUIPMENT REQUIREMENTS FOR ALL SYSTEMS SHALL BE INCLUDED IN THE CONTRACTOR'S/INSTALLING VENDOR'S BID.
9. WHEN PENETRATING FIRE RATED WALLS, FLOORS, OR CEILINGS, THE CONTRACTOR/ INSTALLING VENDOR SHALL UTILIZE FIRE RATED PENETRATION METHODS. THE FIRE RATING OF THE WALL SHALL BE MAINTAINED AFTER THE CONDUIT OR WIREWAY HAS BEEN INSTALLED.
10. CONTRACTOR/INSTALLING VENDOR MAY UTILIZE ANY SPARE OR ABANDONED CONDUIT PER OWNERS APPROVAL.
11. COMPLY WITH ALL REQUIREMENTS OF NEC ARTICLE 511 FOR MINOR REPAIR GARAGES.
12. PANEL DESIGNATIONS AND CIRCUIT NUMBERS ARE ONLY INDICATED ON THE DRAWINGS FOR REFERENCE BY THE ELECTRICAL CONTRACTOR. THE E.C. IS RESPONSIBLE TO PROVIDE ALL CONDUIT, WIRING, JUNCTION BOXES AND MISCELLANEOUS ACCESSORIES TO ACCOMMODATE INSTALLATION AND CONNECTION OF ALL DEVICES INDICATED ON THE CONTRACT DOCUMENTS. ALL WIRING SHALL BE IN HARD CONDUIT BACK TO THE DESIGNATED PANELBOARD. MC TYPE CABLE IS NOT AN ACCEPTABLE WIRING METHOD. ALL JUNCTION BOXES SHALL BE LABELED IDENTIFYING THE PANELBOARD AND CIRCUIT CONTAINED WITHIN. THERE SHALL BE NO MORE THAN (3) CIRCUITS PER HOMERUN. MULTI-WIRE CIRCUITS ARE NOT ALLOWED. EACH CIRCUIT SHALL CONTAIN A DEDICATED NEUTRAL UNLESS SPECIFICALLY ALLOWED BY THE ENGINEER. ALL WIRING SHALL BE SIZED ACCORDING TO AMPACITY OF THE CIRCUIT BREAKER INDICATED ON THE PANEL SCHEDULES. ALL CONDUIT SHALL BE SIZED PER NEC CODE BASED ON THE CONDUCTOR SIZE, TYPE, QUANTITY AND MINIMUM FILL REQUIREMENTS. CIRCUITS OVER 120 FEET FOR 120V AND 250' FOR 277V SHALL BE UP SIZED ONE WIRE SIZE TO ACCOUNT FOR VOLTAGE DROP. E.C. IS RESPONSIBLE TO SHOW ALL JUNCTION BOX LOCATIONS, CONDUIT ROUTING AND HOMERUNS ON A SET OF AS-BUILT DRAWINGS
13. ELECTRICAL CONTRACTOR TO BE CERTIFIED, OR TO OBTAIN CERTIFICATION, FOR INSTALLING STATION ALERT SYSTEM END POINTS/FIELD DEVICES BY USDD (US DIGITAL DESIGNS) PRIOR TO INSTALLATION. THE OWNER WILL BE INSTALLING THE HEAD-END EQUIPMENT AS NOTED IN THE ALERT SYSTEM DETAILS.
14. COORDINATE SCREEN/TV LOCATIONS, WALL BLOCKING, AND EXACT MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.

ABBREVIATIONS

G	GROUND FAULT CIRCUIT INTERRUPTER	UC	UNDERCOUNTER
C	MOUNT ABOVE COUNTER	UG	UNDERGROUND
CP	COPIER	C.	CONDUIT
DW	DISHWASHER	C.O.	CONDUIT ONLY
EC	ELECTRICAL CONTRACTOR	GR	GROUND
MC	MECHANICAL CONTRACTOR	CU	COPPER
REQ'D	REQUIRED	GC	GENERAL CONTRACTOR
MW	MICROWAVE	EGR	EQUIPMENT GROUND CONDUCTOR
REF	REFRIGERATOR	XFMR	TRANSFORMER
WS	WASHER	DF	DRINKING FOUNTAIN
D	DRYER	CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
PFT	PER FOOT	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
NO	NORMALLY OPEN	FACP	FIRE ALARM CONTROL PANEL
NC	NORMALLY CLOSED		

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING
	RECESSED LED LIGHT FIXTURE
	SURFACE OR PENDANT MOUNT LED LIGHT FIXTURE (CIRCLE INDICATES RECESSED OR CONCEALED JUNCTION BOX)
	WALL MOUNT LED LIGHT FIXTURE
	WALL MOUNT LED LIGHT FIXTURE
	SURFACE LED LIGHT FIXTURE
	SURFACE OR RECESSED LED LIGHT FIXTURE
	SURFACE OR PENDANT MOUNT STRIP LIGHT (CIRCLE INDICATES RECESSED OR CONCEALED JUNCTION BOX)
	FIXTURE CONNECTED TO EMERGENCY INVERTER. (3)
NL / NL	NL INDICATES UNSWITCHED LIGHT FIXTURE
	EXIT LIGHT FIXTURE (PROVIDE DIRECTION ARROWS AS INDICATED) PROVIDE UNSWITCHED HOT LEG.
	WALL MOUNTED EXIT LIGHT FIXTURE (PROVIDE DIRECTION ARROWS AS INDICATED) PROVIDE UNSWITCHED HOT LEG
	EMERGENCY BATTERY PACK WITH TWIN HEAD FLOOD PROVIDE UNSWITCHED HOT LEG.
	COMBINATION EXIT/TWIN HEAD FLOOD (PROVIDE DIRECTION ARROWS AS INDICATED) PROVIDE UNSWITCHED HOT LEG
	POLE LIGHT FIXTURE (ARROW INDICATES DIRECTION OF AIMING FOR OPTICS)
	POLE LIGHT FIXTURE WITH RECEPTACLE
	RECEPTACLES
	DUPLEX RECEPTACLE
G	DUPLEX RECEPTACLE (G INDICATES GROUND FAULT CIRCUIT INTERRUPTER)
C	DUPLEX RECEPTACLE (C INDICATES ABOVE COUNTER)
S	DUPLEX RECEPTACLE (S INDICATES CONTROLLED (SWITCHED) WITH NEC REQUIRED SYMBOLS)
	FOURPLEX RECEPTACLE
S	FOURPLEX RECEPTACLE (S INDICATES CONTROLLED (SWITCHED) WITH NEC REQUIRED SYMBOLS). ONE RECEPTACLE IS SWITCHED AND THE OTHER RECEPTACLE IS UNSWITCHED.
U	DUPLEX RECEPTACLE WITH USB PORTS
	DOUBLE DUPLEX DROP CORD WITH KELLUM GRIP
	SPECIAL PURPOSE OUTLET - 1Ø, VOLTAGE AND AMPERES AS INDICATED
	SPECIAL PURPOSE OUTLET - 3Ø, VOLTAGE AND AMPERES AS INDICATED
	TWIST LOCK RECEPTACLE OUTLET DROP CORD WITH KELLUM GRIP, 1Ø, VOLTAGE AND AMPERES AS INDICATED
	TWIST LOCK RECEPTACLE OUTLET DROP CORD WITH KELLUM GRIP, 3Ø, VOLTAGE AND AMPERES AS INDICATED
	MISCELLANEOUS
1	CONSTRUCTION NOTES
1	DEMOLITION NOTES
W	W INDICATES WEATHERPROOF FOR ALL DEVICES, PROVIDE LOCKING COVER ON RECEPTACLES.
WG	WG INDICATES WIRE GUARD
A / E2 E3	DETAIL CALL OUT - A INDICATES DETAIL IDENTIFICATION, E2 INDICATES SHEET TAKEN FROM, E3 INDICATES SHEET DRAWN ON
AH1 / 1	MECHANICAL EQUIPMENT CONNECTION
EV	DUAL PORT EV CHARGER (OWNER PROVIDED)
EVR	EV READY PARKING SPACE.
EVC	EV CAPABLE PARKING SPACE.
	PRIMARY DAYLIGHT ZONE
	SECONDARY DAYLIGHT ZONE

SYMBOL	DESCRIPTION
	SWITCHES
$	SINGLE POLE SWITCH
$D LV	LOW VOLTAGE DIMMING SWITCH
$L	LIGHTED SWITCH (LIT WHEN OFF)
$P	SWITCH WITH PILOT LIGHT (LIT WHEN ON)
$D	DIMMING SWITCH - SINGLE POLE
$T	TIMER SWITCH
$VS	COMBINATION SWITCH / VACANCY SENSOR
$OS	COMBINATION SWITCH / OCCUPANCY SENSOR
$3	THREE WAY SWITCH
$4	FOUR WAY SWITCH
a $$ b	MULTI-GANGED SWITCH (LOWER CASE LETTERS INDICATES SWITCHING)
	PUSH BUTTON EMERGENCY SHUTOFF SWITCH
	PUSH-BUTTON CONTROLLER
LC	LOW VOLTAGE LIGHTING CONTROL PANEL
PC	PHOTOCELL CONTROL
TC	TIME CLOCK CONTROL
OS	WALL MOUNTED OCCUPANCY SENSOR (LIGHTING CONTROL)
OS	CEILING MOUNTED OCCUPANCY SENSOR (LIGHTING CONTROL)
	EQUIPMENT AND WIRING
	CONDUIT STUB OUT (PROVIDE CONCRETE MARKER ON EXTERIOR)
	DEDICATED CONDUIT HOMERUN TO PANEL & CIRCUIT NUMBERS AS INDICATED ON PLANS
	RACEWAY CONCEALED IN WALL OR CEILING
	RACEWAY CONCEALED UNDERGROUND OR UNDER FLOOR SLAB, P = PRIMARY , S = SECONDARY
	MARKS INDICATE NUMBER OF #12 AWG UNLESS NOTED OTHERWISE
	GROUNDING CONDUCTOR
	FLEXIBLE CONDUIT
	SURFACE METAL RACEWAY
	GROUNDING SYSTEM PER CODE
	JUNCTION BOX - SIZE PER CODE (F INDICATES FIRE ALARM SYSTEM)
	MOTOR CONNECTION
M	MANUAL STARTER
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	COMBINATION DISCONNECT / MAGNETIC MOTOR STARTER
	120/208 VOLT PANELBOARD (OR AT RATED VOLTAGE AS NOTED)
	277/480 VOLT PANELBOARD (OR AT RATED VOLTAGE AS NOTED)
	MAIN DISTRIBUTION BOARD
T	TRANSFORMER
	ENCLOSED CIRCUIT BREAKER, AMPERES AS INDICATED
HH	HANDHOLE
MH	MANHOLE - PRE-CAST CONCRETE W/COVER
SPD	SURGE PROTECTOR
RGA	REMOTE GENERATOR ANNUNCIATOR
ADA	HANDICAP PUSH BUTTON CONNECTION
	UTILITY POLE
P	POWER VAULT / MANHOLE
M	METER
	JUNCTION BOX WITH FLEXIBLE ELECTRICAL CONNECTION TO EQUIPMENT

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

BCE
A Division of TranSystems
6021 12th Street East, Suite 200
Fife, Washington 98424
T: 253.922.0446 | F: 253.922.0896

CHARLES A. HERATON — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
09/19/25

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT # 2022011

BID SET

ISSUE DATE AUGUST 15, 2025

REVISION SCHEDULE

3	ADD #3	09/19/25

ELECTRICAL LEGEND
GENERAL NOTES

SHEET #
E00.01

SYSTEMS LEGEND

SYMBOL	DESCRIPTION
	NETWORK INFRASTRUCTURE
C #▷	TELECOMMUNICATIONS OUTLET - WALL MOUNT WITH (2) ACTIVE DATA PORTS AND (2) CAT6 CABLES (4/S BOX WITH SINGLE-GANG MUDRING AND COVER PLATE) WITH ONE (1) 1-1/4" CONDUIT TO ACCESSIBLE CEILING SPACE, MOUNT AT +18" AFF UNLESS NOTED OTHERWISE. ("C" INDICATES ABOVE COUNTER) (# INDICATES QUANTITY OF DATA PORTS AND CABLES, IF DIFFERENT THAN 2). REVIEW THE SITE PLANS, FLOOR PLANS, DETAIL SHEETS AND RISER DIAGRAMS FOR ADDITIONAL INFORMATION.
⊳	WIRELESS ACCESS POINT (WAP) TELECOMMUNICATIONS OUTLET - CEILING MOUNT. PROVIDE (2) CAT6A CABLES TO THE JUNCTION BOX ABOVE ACCESSIBLE CEILING. SEE THE TELECOMMUNICATIONS/SYSTEMS DETAILS FOR ADDITIONAL REQUIREMENTS.
WAP▷	WIRELESS ACCESS POINT (WAP) TELECOMMUNICATIONS OUTLET - WALL MOUNT WITH (2) CAT6A CABLES (DUAL GANG EXTRA DEEP BACK BOX (**RACO 260 OR SIMILAR**) AND BLANK COVER PLATE) WITH ONE (1) 1-1/4" CONDUIT TO ACCESSIBLE CEILING SPACE, MOUNT AT +96" AFF UNLESS NOTED OTHERWISE. ("W" INDICATES WEATHER-RATED)
#▷	COMBINATION FLOOR BOX. FOURPLEX RECEPTACLE AND DATA JUNCTION BOX WITH SEPARATE 1-1/4" CONDUITS FOR POWER AND TELECOMMUNICATIONS OUTLET ROUTED UP TO THE ACCESSIBLE CEILING SPACE. UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS. FLOOR BOXES ON THE GROUND FLOOR SHALL HAVE WET LOCATION RATED DATA CABLES ROUTED DIRECTLY TO THE TELECOMMUNICATIONS ROOM UNDER SLAB. COORDINATE WITH ARCHITECT PRIOR TO ROUGH-IN.
▶	TELEPHONE OUTLET - WALL MOUNT WITH (1) DATA PORT AND (1) CAT6 CABLE (4/S BOX WITH SINGLE GANG MUDRING AND STAINLESS STEEL COVER PLATE WITH MOUNTING STUDS FOR WALL MOUNT TELEPHONE) WITH (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE. MOUNT AT +48" AFF, UNLESS NOTED OTHERWISE. (S INDICATES SURFACE MOUNT)
	CABLE TRAY - LADDER STYLE - SIZE AS SHOWN ON THE FLOOR PLANS
BET	BUILDING ENTRANCE TERMINAL (PROTECTED/FUSED) - WALL MOUNT AT HEIGHT SHOWN
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BAR - WALL MOUNT AT HEIGHT SHOWN
DEMARC	DEMARCATION POINT FOR INTERNET SERVICE PROVIDER (ISP) & OTHER SERVICE PROVIDERS.
	EQUIPMENT AND WIRING
	RACEWAY CONCEALED IN WALL OR CEILING
	RACEWAY CONCEALED UNDERGROUND OR UNDER FLOOR SLAB
	GROUNDING SYSTEM PER CODE
J	JUNCTION BOX - SIZE PER CODE (F INDICATES FIRE ALARM SYSTEM)
	4-POST 19" RACK (ARROW INDICATES AIRFLOW AT FRONT OF RACK)
	AUDIO VISUAL SYSTEMS
	AUDIO/VIDEO IS ROUGH-IN ONLY. PROVIDE DATA OUTLET, CONDUIT/PATHWAY AND BACK BOX INFRASTRUCTURE ONLY.
AV1	FUTURE A/V SYSTEM INPUT PANEL - WALL MOUNT AT +18" AFF (UNLESS NOTED OTHERWISE). PROVIDE DUAL GANG EXTRA DEEP BACK BOX (**RACO 260 OR SIMILAR**) AND BLANK COVER PLATE WITH (1) 1-1/4" CONDUIT TO THE ACCESSIBLE CEILING SPACE.
AV2	FUTURE A/V SYSTEM WALL PASS THROUGH PLATE TO THE TV/DISPLAY INPUTS. PROVIDE PROVIDE DUAL GANG EXTRA DEEP BACK BOX (**RACO 260 OR SIMILAR**) AND BLANK COVER PLATE WITH (1) 1-1/2" CONDUIT TO THE ACCESSIBLE CEILING SPACE.
CP1	FUTURE A/V SYSTEM CONTROL PANEL - WALL MOUNT AT 48" AFF (UNLESS NOTED OTHERWISE). PROVIDE DUAL GANG EXTRA DEEP BACK BOX (**RACO 260 OR SIMILAR**) AND BLANK COVER PLATE WITH (1) 1" CONDUIT TO THE ACCESSIBLE CEILING SPACE.
	INFORMATION DISPLAY SYSTEM
IDM	FUTURE OWNER PROVIDED INFORMATION DISPLAY SYSTEM MONITOR - WALL MOUNT AT HEIGHT SHOWN ON THE ARCHITECTURAL INTERIOR ELEVATIONS. PROVIDE (1) DATA OUTLET AND (1) 120VAC RECEPTACLE AT HEIGHT SHOWN ON FLOOR PLANS. PROVIDE CHIEF PAC525FCW, RECESSED BACK BOX WITH WHITE FLANGE AND COVER. LOCATE DATA AND POWER IN RECESSED BACK BOX AND PROVIDE (1) 1-1/4" CONDUIT TO THE ACCESSIBLE CEILING SPACE.
	ALERT SYSTEM
	GENERAL: ALERT SYSTEM EQUIPMENT, INSTALLATION, CABLING (EXCEPT DATA & VOICE 272000 SYSTEM), PROGRAMMING AND SOFTWARE BY OWNER'S VENDOR. ROUGH-IN INFRASTRUCTURE (RACEWAYS, BACK BOXES, CONDUITS, ETC) BY DIVISION 26. CONFIRM ANY CUSTOM BACK BOXES & PROCUREMENT WITH OWNER'S VENDOR. TV/MONITORS BY OWNER'S AV VENDOR.
✱	ALERT SYSTEM WALL MOUNTED PAGING VISUAL NOTIFICATION STROBE/BEACON - WALL MOUNT AT +8'-0" AFF. ('W' INDICATES WEATHER RATED). ROUGH-IN ONLY. COORDINATE WITH OWNER FOR ROUGH-IN REQUIREMENTS. ROUTE 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING OR AS SHOWN OTHERWISE.
W(S)	ALERT SYSTEM LOUDSPEAKER ASSEMBLY - WALL MOUNT AT +8'-0" AFF UNLESS NOTED OTHERWISE - COORDINATE WITH OWNER FOR ROUGH-IN REQUIREMENTS. ('W' INDICATES WEATHERPROOF SINGLE-GANG BACKBOX, COVER PLATE AND CABLE GLAND). ROUTE 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING OR AS SHOWN OTHERWISE.
(S)	ALERT SYSTEM LOUDSPEAKER ASSEMBLY - CEILING MOUNT. TILE BRIDGE IN ACCESSIBLE CEILINGS. BACK CAN IN NON-ACCESSIBLE CEILING. ROUTE 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING OR AS SHOWN OTHERWISE.
V	ALERT SYSTEM VOLUME CONTROL - WALL MOUNT +4'-0" AFF - COORDINATE WITH OWNER FOR ROUGH-IN REQUIREMENTS. ROUTE 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING OR AS SHOWN OTHERWISE.
RS	ALERT SYSTEM RESET SWITCH - WALL MOUNT AT +4'-0" AFF - COORDINATE WITH OWNER FOR ROUGH-IN REQUIREMENTS. ROUTE 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING OR AS SHOWN OTHERWISE.
RR	ALERT SYSTEM WALL MOUNTED 10" TOUCH SCREEN CHECK-IN ROOM ASSIGNMENT CONTROLLER - WALL MOUNT AT +5'-0" AFF. PROVIDE (1) 1"C. TO THE NEAREST ACCESSIBLE CEILING AND 4-GANG BACK BOX. CONFIRM MANUFACTURER'S BACK BOX REQUIREMENTS.
TVR	ALERT SYSTEM DIGITAL SIGNAGE / MEDIA STREAMER. (DEVICE MOUNTED BEHIND OFOI DISPLAY.)
(S)I	CEILING MOUNTED ALERT AND PAGING SYSTEMS ('I' INDICATES ILLUMINATED). COORDINATE WITH OWNER FOR ROUGH-IN REQUIREMENTS. TILE BRIDGE IN ACCESSIBLE CEILINGS. BACK CAN IN NON-ACCESSIBLE CEILING. ROUTE 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING
CIR	ALERT SYSTEM COLOR INDICATOR REMOTE - CEILING MOUNT OR WALL MOUNT AT +8'-0" AFF, COORDINATE WITH OWNER FOR ROUGH-IN REQUIREMENTS. WHERE LOCATED NON-ACCESSIBLE CEILING OR WALL, ROUTE 3/4" CONDUIT TO THE NEAREST ACCESSIBLE CEILING

SYMBOL	DESCRIPTION
	ACCESS CONTROL SYSTEM
	ACCESS CONTROL IS ROUGH-IN ONLY. PROVIDE COMPOSIT CABLNG CONDUIT/PATHWAY AND BACK BOX INFRASTRUCTURE ONLY.
ACP	FUTURE ACCESS CONTROL PANEL
ACPS	FUTURE ACCESS CONTROL POWER SUPPLY
CR	FUTURE CARD READER - PROVIDE WEATHER PROOF SINGLE-GANG BACK BOX FLUSH TO WALL SURFACE AND WEATHER PROOF COVER PLATE. SEE ARCHITECTURAL FOR MOUNTING HEIGHT.
D	FUTURE DOOR POSITION SWITCH - FUTURE DPDT DEVICE SHOWN FOR ROUGH-IN. ROUTE 3/4" CONDUIT TO DOOR FRAME ONLY PER ACCESS CONTROL DETAILS. SEE DETAILS FOR ROUGH-IN REQUIREMENTS.
ES	FUTURE ELECTRIFIED EXIT DEVICE OR ELECTRIC STRIKE HARDWARE - SEE DIV.8 DOOR SCHEDULE. SEE DETAILS FOR ROUGH-IN REQUIREMENTS.
REX	FUTURE REQUEST TO EXIT MOTION SENSOR. PROVIDE HORIZONTAL SINGLE GANG BACK BOX AND COVER PLATE.
	CCTV SYSTEM
	CCTV IS ROUGH-IN ONLY. PROVIDE DATA OUTLET, CONDUIT/PATHWAY AND BACK BOX INFRASTRUCTURE ONLY.
C	FUTURE CCTV CAMERA (CORNER MOUNT STYLE) - ROUGH-IN ONLY / DATA ONLY. SEE THE CCTV SYSTEM RISER DIAGRAM AND MOUNTING DETAILS FOR BACK BOX AND CONDUIT INFORMATION. PROVIDE (2) CAT6 CABLES FOR EACH CAMERA SHOWN ON THE DRAWINGS. LOCATE THE TELECOMMUNICATIONS OUTLET (WITH A 15-FOOT SERVICE LOOP) IN THE ACCESSIBLE CEILING (SECURED TO THE CEILING STRUCTURE) UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS.
C	FUTURE CCTV CAMERA (WALL MOUNT STYLE) - ROUGH-IN ONLY / DATA ONLY. SEE THE CCTV SYSTEM RISER DIAGRAM AND MOUNTING DETAILS FOR BACK BOX AND CONDUIT INFORMATION. PROVIDE (2) CAT6 CABLES FOR EACH CAMERA SHOWN ON THE DRAWINGS. LOCATE THE TELECOMMUNICATIONS OUTLET (WITH A 15-FOOT SERVICE LOOP) IN THE ACCESSIBLE CEILING (SECURED TO THE CEILING STRUCTURE) UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS.
C	FUTURE CCTV CAMERA (CEILING MOUNT STYLE) - ROUGH-IN ONLY / DATA ONLY. SEE THE CCTV SYSTEM RISER DIAGRAM AND MOUNTING DETAILS FOR BACK BOX AND CONDUIT INFORMATION. PROVIDE (2) CAT6 CABLES FOR EACH CAMERA SHOWN ON THE DRAWINGS. LOCATE THE TELECOMMUNICATIONS OUTLET (WITH A 15-FOOT SERVICE LOOP) IN THE ACCESSIBLE CEILING (SECURED TO THE CEILING STRUCTURE) UNLESS NOTED OTHERWISE. MAINTAIN THE TELECOMMUNICATIONS OUTLET REQUIREMENTS.
IDS	INTERCOM DOOR STATION IP VIDEO INTERCOM WITH TWO-WAY AUDIO. FLUSH MOUNT SINGLE GANG WEATHERPROOF BACK BOX.
IMS	INTERCOM MASTER STATION FOR VIDEO INTERCOM WIRELESS IPAD WITH SECURITY SYSTEM APPLICATION - SHOWN FOR REFERNCE ONLY.
	MISCELLANEOUS
1	CONSTRUCTION NOTES
101	DOOR NUMBER
1 SIM / A101	DETAIL CALL OUT - "1" INDICATES DETAIL IDENTIFICATION, "A101" INDICATES SHEET DRAWN ON
	ELECTRICAL POWER PANELS SHOWN FOR REFERENCE ON SYSTEMS DRAWINGS
	ELEVATOR LANDING 2-WAY COMMUNICATION SYSTEM
CST	CALL STATION - FLUSH MOUNT WALL PHONE
BST	BASE STATION - RECESSED CABINET & PHONE
DST	DISTRIBUTION UNIT & DEDICATED UPS - LOCATE IN RACK OF TELECOM ROOM

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS
BET	BUILDING ENTRANCE TERMINAL
BOT	BOTTOM OF TRAY
C	MOUNT ABOVE COUNTER
C.	CONDUIT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CP	COPIER
DDC	DIRECT DIGITAL CONTROL
EC	ELECTRICAL CONTRACTOR
EF	TELECOMMUNICATIONS ENTRANCE FACILITY (MDF)
ER	TELECOMMUNICATIONS EQUIPMENT ROOM (MDF)
FOC	FIBER OPTIC CABLE
G	GROUND FAULT
GC	GENERAL CONTRACTOR
GE	GROUNDING EQUALIZER
GR	GROUND
IDF	INTERMEDIATE DISTRIBUTION FRAME (TR/TE)
LIU	LIGHT INTERFACE UNIT (INCLUDES FIBER SPLICE TRAY AND PATCH PANEL)
MDF	MAIN DISTRIBUTION FRAME (ER/EF)
MM	MULTI MODE (FOC)
REQ'D	REQUIRED
SM	SINGLE MODE (FOC)
SPD	SURGE PROTECTIVE DEVICE
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TR	TELECOMMUNICATIONS ROOM (IDF)
UC	UNDER COUNTER
UG	UNDERGROUND
W	WEATHERPROOF (PROVIDE WEATHERPROOF COVER/DEVICE WHERE SHOWN ON PLANS)
WG	WIRE GUARD (PROVIDE ON DEVICES WHERE SHOWN ON PLANS)

GENERAL NOTES

1. REVIEW ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF AREAS WITH ACCESSIBLE CEILING SPACES, HARD LID CEILINGS, AND AREAS WITH CEILINGS THAT ARE OPEN TO STRUCTURE. PROVIDE SURFACE-MOUNTED DEVICES AND THEIR RELATED SURFACE MOUNT BACK BOXES IN AREAS WITH CEILINGS THAT ARE OPEN TO STRUCTURE. PAINT EACH BACKBOX TO MATCH THE ADJACENT SURFACE.
2. ROOMS AND/OR AREAS WITH EXPOSED CEILINGS SHALL HAVE ALL CABLES ROUTED IN CONDUIT. CONDUIT SHALL BE TIGHT TO STRUCTURE, ROUTED PARALLEL AND ADJACENT TO STRUCTURE, AND SHALL BE PAINTED TO MATCH ADJACENT SURFACE. SURFACE MOUNTED CONDUITS SHALL NOT BE UTILIZED IN OCCUPIED SPACES.
3. FIRE WALLS SHOWN ARE DIAGRAMMATIC, REFER TO FINAL ARCHITECTURAL DRAWINGS FOR RATED WALLS, AND PROVIDE FIRE RATED PENETRATIONS FOR ALL CABLES TRANSITIONING THROUGH RATED WALLS. EC SHALL FIRE SEAL AROUND ALL CONDUITS PENETRATING THROUGH FLOORS, ROOF, AND FIRE RATED WALLS.
4. WHERE OPEN CABLING IS PERMITTED BY CODE, EACH LOW VOLTAGE SYSTEM SHALL HAVE THEIR CABLES SUSPENDED SEPARATE FROM OTHER LOW VOLTAGE SYSTEMS (I.E. FIRE ALARM CABLES IN ONE J-HOOK, INTRUSION ALARM IN ANOTHER J-HOOK, AND SO ON). ALL CABLES MUST BE ROUTED IN CONDUIT IN AREAS WITH EXPOSED CEILINGS.
5. ALL OUTLETS, SWITCHES AND DEVICES MOUNTED BACK TO BACK IN A WALL, MUST BE LOCATED IN SEPARATE STUD BAYS, OR FURNISHED WITH SOUND ATTENUATING MATERIAL AROUND THE BOX TO MEET ACOUSTICAL REQUIREMENTS.
6. ALL TYPICAL DEVICES SHALL BE MOUNTED AT CONSISTENT LOCATIONS AND HEIGHTS THROUGHOUT THIS PROJECT, UNLESS NOTED OTHERWISE.
7. SEE THE SITE PLANS FOR ADDITIONAL WORK.
8. CAMERAS SHALL BE LOCATED AS SUCH TO AVOID RESTRICTING THE CAMERAS FIELD OF VIEW FROM: EXIT SIGNS, LIGHTING, DOOR HEADERS, BUILDING FEATURES, BANNERS, OR OTHER (ART) ITEMS HANGING FROM THE CEILING. COORDINATE WITH ALL TRADES AS REQUIRED PRIOR TO ROUGH-IN.
9. SEE THE ACCESS CONTROL SYSTEM RISER DIAGRAM, RELATED DETAIL SHEETS, AND THE ELECTRICAL LEGEND, FOR EQUIPMENT THAT IS NOT SHOWN ON THE FLOOR PLANS, BUT SHALL BE PROVIDED AND INSTALLED FOR THIS PROJECT.
10. ALL TELECOMMUNICATIONS OUTLETS HORIZONTAL CABLING SHALL BE ROUTED TO THE CLOSEST TELECOMMUNICATIONS ROOM AS REQUIRED BY SECTION 272000.
11. REVIEW ALL EXTERIOR MOUNTED EQUIPMENT FOR AIR BARRIER PENETRATIONS. SEE ARCHITECTURAL DETAILS FOR REQUIREMENTS ON MAINTAINING THE BUILDING'S ENVELOPE.
12. SEE ALL DETAIL SHEETS AND RISER DIAGRAMS FOR ADDITIONAL WORK REQUIRED BY SECTION 272000.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

BCE
A Division of TranSystems
6021 12th Street East, Suite 200
Fife, Washington 98424
T: 253.922.0446 | F: 253.922.0896

CHARLES A. HERTON — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
09/15/25

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT # 2022011
BID SET
ISSUE DATE AUGUST 15, 2025

REVISION SCHEDULE		
3	ADD #3	09/19/25

SYSTEMS LEGEND

SHEET #
E00.02

DATE/ TIME PRINTED: 9/18/2025 4:56:04 PM
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GENERAL NOTES FOR LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	MANUFACTURER/MODEL #	LAMP/K	LUMENS	V	WATTS	MOUNTING & REMARKS
AL1	TYPE 3 WITH BACKLIGHT CONTROL PARKING LED FIXTURE	HEAD: LITHONIA # DSX1 LED-P7-40K-70CRI-BLC3-MVOLT-RPA-PIR-XX POLE: LITHONIA RSS 20 4B DM19AS IC XX	LED 4000K	16,155	MVOLT	184	ARCHITECT TO SELECT POLE COLOR
AL2	TYPE TFTM PARKING LED FIXTURE	HEAD: LITHONIA # DSX1 LED-P7-40K-TFTM-MVOLT-MVOLT-RPA-PIR-XX POLE: LITHONIA RSS 20 4B DM19AS IC XX	LED 4000K	22,697	MVOLT	184	ARCHITECT TO SELECT POLE COLOR
AL3	TYPE RCCO PARKING LED FIXTURE	HEAD: LITHONIA # DSX1 LED-P5-40K-70CRI-RCCO-MVOLT-RPA-PIR-XX POLE: LITHONIA RSS 16 4B DM19AS IC XX	LED 4000K	12,940	MVOLT	138	ARCHITECT TO SELECT POLE COLOR
AL4	TYPE LCCO PARKING LED FIXTURE	HEAD: LITHONIA # DSX1 LED-P5-40K-70CRI-RCCO-MVOLT-RPA-PIR-XX POLE: LITHONIA RSS 16 4B DM19AS IC XX	LED 4000K	12,940	MVOLT	138	ARCHITECT TO SELECT POLE COLOR
AL5	TYPE 3 WITH BACKLIGHT CONTROL PARKING LED FIXTURE	HEAD: LITHONIA # DSX1 LED-P4-40K-70CRI-BLC3-MVOLT-RPA-PIR-XX POLE: LITHONIA RSS 16 4B DM19AS IC XX	LED 4000K	11,662	MVOLT	124	16' POLE LIGHT FIXTURE WITH 2'-6" CONCRETE POLE BASE.
FL1	FLAG POLE LIGHT	LITON# AG2360-XX-B20-XX	LED 4000K	1000 (EACH)	120	10	PROVIDE 2 LIGHTS. PROVIDE FOCUS INDUSTRIES POLE MOUNT RING: FA-PM-7-2H-120-BLT. ARCHITECT TO SELECT FINISH COLOR.
LL1	EXTERIOR INGROUND LIGHT FIXTURE	VISTA PRO# 1141-GB-WG-40-A-MV-ND-GS	LED 4000K	1,000	MVOLT	11	
PL1	PENDANT INDUSTRIAL STRIP LIGHT	METALUX # 4SNX-33SL-LW-UNV-L835-CD1-UAYC-CHAIN/SET-U	LED 3500K	3148	MVOLT	21	MOUNT FIXTURE AT +8'-0" AFF.
PL1E	PENDANT INDUSTRIAL STRIP LIGHT	METALUX # 4SNX-33SL-LW-UNV-L835-CD1-UAYC-CHAIN/SET-U	LED 3500K	3148	MVOLT	21	MOUNT FIXTURE AT +8'-0" AFF.
PL2	12' LONG PENDANT DIRECT/INDIRECT LIGHT	PINNACLE LIGHTING # EX2DI-HE-BW-835-835-12'-AC-XX-U-FSD-1-0-XX-XX	LED 3500K	12000	277	124	ARCHITECT TO SELECT FINISH COLOR
PL2E	12' LONG PENDANT DIRECT/INDIRECT LIGHT	PINNACLE LIGHTING # EX2DI-HE-BW-835-835-12'-AC-XX-U-FSD-1-0-XX-XX	LED 3500K	12000	277	124	ARCHITECT TO SELECT FINISH COLOR
PL3	4' IN DIAMETER RING FIXTURE	SPI # AIP12096-L81W-XX-120-3500K-DF_80-DF_DIM1-XX-DID-OAHXX-	LED 3500K	4800	277	81	MOUNT FIXTURE AT +9'-0" AFF. ARCHITECT TO SELECT FINISH COLOR
PL4	6' IN DIAMETER RING FIXTURE	SPI # AIP12176-L120W-XX-120-3500K-DF_80-DF_DIM1-XX-DID-OAHXX-	LED 3500K	7100	277	120	MOUNT FIXTURE AT +8'-0" AFF. ARCHITECT TO SELECT FINISH COLOR
PL5	HIGH BAY PENDANT	ILP # WTZ4-10L-U-35-RAFL-SS-DIM1-WTZ-AC10L/SS-KIT	LED 3500K	9835	MVOLT	73	
PL5E	HIGH BAY PENDANT	ILP # WTZ4-10L-U-35-RAFL-SS-DIM1-WTZ-AC10L/SS-KIT	LED 3500K	9835	MVOLT	73	
PL6E	4'-10" IN DIAMETER RING FIXTURE	SPI # AIP12097-L54W-XX-120-3500K-DF_80-DF_DIM1-XX-DID-OAHXX-	LED 3500K	3197	277	54	MOUNT FIXTURE AT +8'-0" AFF
PL8	HIGH BAY PENDANT	ILP # WTZ4-12L-U-35-RAFL-SS-DIM1-WTZ-AC10L/SS-KIT	LED 3500K	12490	MVOLT	93	
PL9	8' LONG PENDANT DIRECT/INDIRECT LIGHT	PINNACLE LIGHTING # EX2DI-HE-BW-835-835-8'-AC-XX-U-FSD-1-0-XX-XX	LED 3500K	8000	MVOLT	83	MOUNT FIXTURE AT +10'-0" AFF. ARCHITECT TO SELECT FINISH COLOR
PL9E	8' LONG PENDANT DIRECT/INDIRECT LIGHT	PINNACLE LIGHTING # EX2DI-HE-BW-835-835-8'-AC-XX-U-FSD-1-0-XX-XX	LED 3500K	8000	MVOLT	83	MOUNT FIXTURE AT +10'-0" AFF. ARCHITECT TO SELECT FINISH COLOR
RL1	4" DIAMETER LED DOWNLIGHT	HALO # HC410D010 HM40525835 41MDH	LED 3500K	1000	MVOLT	11	
RL1E	4" DIAMETER LED DOWNLIGHT	HALO # HC410D010 HM40525835 41MDH	LED 3500K	1000	MVOLT	11	
RL2	RECESSED 2X2 LED FLAT PANEL	LITHONIA LIGHTING # CPX-2X2-3200LM-35K-TM	LED 3500K	3200	MVOLT	30	
RL2E	RECESSED 2X2 LED FLAT PANEL	LITHONIA LIGHTING # CPX-2X2-3200LM-35K-M4	LED 3500K	3200	MVOLT	30	
RL3	RECESSED 2X2 LED FLAT PANEL	LITHONIA LIGHTING # CPANL-2X2-AL01-SWW7-M4	LED 3500K	2617	MVOLT	22	
RL3E	RECESSED 2X2 LED FLAT PANEL	LITHONIA LIGHTING # CPANL-2X2-AL01-SWW7-M4	LED 3500K	2617	MVOLT	22	
RL4	8' LONG RECESSED LIGHT IN ARMSTRONG WOOD CEILING	XAL LIGHTING # PANO2-WWG-WH-SN-PM-OP-35K-C80-UNV-010V-0425LF-ST-8FT	LED 3500K	425 PFT	MVOLT	37	COORDINATE WITH ARMSTRONG CEILING MANUFACTURER FOR INTEGRATED LIGHT CONNECTION CLIP
RL5	RECESSED 2X2 LED FLAT PANEL	LITHONIA LIGHTING # EPANL-2X2-3400LM-80CRI-30K-MIN1-EZT-MVOLT	LED 3000K	3400	MVOLT	30	
RL6E	4' LONG RECESSED FIXTURE	PINNACLE LIGHTING # F14D-A-835LO-G-U-FSD-1-0W-XX	LED 3500K	2408	UNIV	20	
RL7	6" SQUARE RECESSED DOWNLIGHT	PORTFOLIO LIGHTING # LDSQ6D-10-R70-90-D010-CSSQ-MW	LED 3500K	1000	MVOLT	10	
RL7E	6" SQUARE RECESSED DOWNLIGHT	PORTFOLIO LIGHTING # LDSQ6D-10-R70-90-D010-CSSQ-MW	LED 3500K	1000	MVOLT	10	
RL8	4' LONG RECESSED FIXTURE	CORELITE # CL4DR-F-60D835-1-UNV-STD-W-FG-4	LED 3500K	2400	UNIV	19	
RL8E	4' LONG RECESSED FIXTURE	CORELITE # CL4DR-F-60D835-1-UNV-STD-W-FG-4	LED 3500K	2400	UNIV	19	
RL9	2" ROUND DEEP REGRESS DOWNLIGHT	USAI LIGHTING # S2RC-F-09V2M-35KS-25-P1-AS61-XX-XX-NCT-XX-RM-XX	LED 3000K	850	UNIV	9	ARCHITECT TO SELECT FINISH COLOR
RL10	RECESSED LIENAR LIGHT	PINNACLE LIGHTING # EV4D-WHE-835-14'-FL-U-FSD-1--XX	LED 3500K	7000	MVOLT	56	ARCHITECT TO SELECT FINISH COLOR
RL11	4.5' LONG RECESSED LIGHT IN DISPLAY CASE	FRY REGLET# IL1 DRYWALL MID C1, LED-RVL75 WHITE-3.0W-3500	LED 3500K		MVOLT	3W/TF	MOUNT LIGHT VERTICALLY.
RL12	RECESSED LIGHT FIXTURE	EXTANT LIGHTING # HTG-1RW-LP-TD-TFWP-14'-SLO-1480 LM/FT-MEORF-35-VU-D	LED 3500K	1480 LM/FT	MVOLT	38W/FT	
SL1	CLASS 1 DIV. 1 LIGHT FIXTURE	KENALL LIGHTING # HSES014-70L40K-DCC-DV-2F-2H-SYM-RF	LED 4000K	7,777	MVOLT	82	FUEL CANOPY LIGHT FIXTURE
SL2	LED STRIP LIGHT	METALUX # 4SNX-33SL-LW-UNV-L835-CD1-UAYC-CHAIN/SET-U	LED 3500K	3148	UNIV	21	
SL2E	LED STRIP LIGHT	METALUX # 4SNX-33SL-LW-UNV-L835-CD1-UAYC-CHAIN/SET-U	LED 3500K	3148	UNIV	21	
SL3	80" LONG SURFACE MOUNTED LED	LUMINII # KSW-80"-72VHO-35K-F-FC-XX-XX-XX	LED 3500K	2275	277	40	E.C. TO PROVIDE ALL CABLES AND POWER SUPPLIES. ARCHITECT TO SELECT FINISH COLOR
SL4	12' LONG SURFACE MOUNTED FIXTURE	LUMINII # BAR-120"-72SO-41K-AS-FC-XX-XX-XX	LED 4000K	1,908	277	33.6	E.C. TO PROVIDE ALL CABLES AND POWER SUPPLIES. ARCHITECT TO SELECT FINISH COLOR
SL5	10' LONG SURFACE MOUNTED FIXTURE	LUMINII # BAR-120"-72SO-41K-AS-FC-XX-XX-XX	LED 4000K	1,590	277	28	E.C. TO PROVIDE ALL CABLES AND POWER SUPPLIES. ARCHITECT TO SELECT FINISH COLOR
SL6	12' LONG SURFACE MOUNTED FIXTURE	LUMINII # MK45W-144"-72SO-40K-F-CB-XX-XX-XX	LED 4000K	1,776	277	33.6	E.C. TO PROVIDE ALL CABLES AND POWER SUPPLIES. ARCHITECT TO SELECT FINISH COLOR
SL7E	10' LONG SURFACE MOUNTED LED	LUMINII # KSW-120"-72VHO-35K-F-FC-XX-XX-XX	LED 3500K	2275	277	40	E.C. TO PROVIDE ALL CABLES AND POWER SUPPLIES. ARCHITECT TO SELECT FINISH COLOR
SL8	30" LONG SURFACE MOUNTED LED	LUMINII # KSW-30"-72VHO-40K-F-A-XX-XX-XX	LED 4000K	812	277	15	E.C. TO PROVIDE ALL CABLES AND POWER SUPPLIES. ARCHITECT TO SELECT FINISH COLOR
UC1	24" LONG UNDER CABINET LED FIXTURE	HALO# HU11-24-D-9-30-P	LED 3000K	785	120	11	PROVIDE CONNECTOR ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION
WL1	EXTERIOR WALL MOUNT LED	COOPER LIGHTING # INVUE CCW-VA1-840-U-T2-MS/DIM-L20-XX	LED 4000K	2800	MVOLT	28.5	W/MOTION SENSOR. ARCHITECT TO SELECT COLOR.
WL1E	EXTERIOR WALL MOUNT LED	COOPER LIGHTING # INVUE CCW-VA1-840-U-T2-MS/DIM-L20-XX	LED 4000K	2800	MVOLT	28.5	W/MOTION SENSOR. ARCHITECT TO SELECT COLOR.
WL2	ELEVATOR PIT LIGHT	ILP # WTZ4-4L-U-35-RAFL	LED 3500K	4000	MVOLT	29	
WL3	EXTERIOR WALL MOUNT LED	COOPER LIGHTING # INVUE CCW-VA1-840-U-T3-MS/DIM-L20-XX	LED 4000K	2800	MVOLT	28.5	W/MOTION SENSOR. ARCHITECT TO SELECT COLOR.
WL3E	EXTERIOR WALL MOUNT LED	COOPER LIGHTING # INVUE CCW-VA1-840-U-T3-MS/DIM-L20-XX	LED 4000K	2800	MVOLT	28.5	W/MOTION SENSOR. ARCHITECT TO SELECT COLOR.
WL4	ABOVE MIRROR LED FIXTURE	AFX LIGHTING # AVL250520LAJD2SN	LED 3000K	2000	MVOLT	26	CENTER FIXTURE ABOVE THE MIRROR. ARCHITECT TO SELECT FINISH COLOR
WL5	ABOVE BED FIXTURE	PERFORMANCE IN LIGHTING # M30-26-T3-XX-3K-UNV-0-10V-FG	LED 3000K	2600	MVOLT	23	MOUNT FIXTURE AT +6' AFF. ARCHITECT TO SELECT FINISH COLOR
WL6	WALL MOUNTED UPLIGHT FIXTURE	SPI LIGHTING # EIW12182-L216W-XX-120-277--3500K-DF_80-YOK-WA-F	LED 3500K	24,214	MVOLT	216	MOUNT FIXTURE AT +9' AFF. ARCHITECT TO SELECT FINISH COLOR
WL7	2' LONG ELEVATOR PIT LIGHT	ILP # WTZ2-3L-U-35-RAFL	LED 3500K	3152	MVOLT	25	
WL8E	6' LONG WALL MOUNTED DIRECT/INDIRECT LIGHT	PINNACLE LIGHTING # EX4DI-HE-HE-835-835-6'-WM-U-FSD-1-0-W	LED 3500K	4000	MVOLT	30	MOUNT FIXTURE AT +8' AFF. ARCHITECT TO SELECT FINISH COLOR
WL9	WALL SCONCE	SPI LIGHTING # AIW8282-L29-XX-120-277-L29-3500-DF_DIM1-MA01-VAN-XX	LED 3500K	1966	MVOLT	29	ARCHITECT TO SELECT FINISH COLOR
WL10	8' LONG WALL MOUNTED	CORELITE # DWI-WD-50L-835-1-D-UNV-STD-FC-XX-WM-8	LED 3500K	9794	MVOLT	82	ARCHITECT TO SELECT FINISH COLOR
EX1	LED EXIT SIGN	SURE-LITES # LPX7SD	LED		MVOLT	1	
EX2	EXIT SIGN WITH EMERGENCY EGRESS LIGHT	LITHONIA # LHQM-LED-G-HO-SD	LED		MVOLT	4.3	

EXTERIOR LIGHTING SCHEDULE

EXTERIOR AREA OF CONTROL	RELAY CONTROL DESIGNATION: Photocell Control	EMCS (DDC) System Control	Time Clock Controlled	Relay number	Sequence of Operation
Site pole lights	YES	YES		r1	Photocell control 'On' at 1/2 hour before dusk & dawn; EMCS off at 11:00 p.m.
Fire station - wall packs & egress linear lights	YES	YES		r2	Photocell control 'On' at 1/2 hour before dusk & dawn; EMCS off at 11:00 p.m.
Fire station - exterior linear lights	YES	YES		r3	Photocell control 'On' at 1/2 hour before dusk & dawn; EMCS off at 11:00 p.m.
Fueling station	YES	YES		r4	Photocell control 'On' at 1/2 hour before dusk & dawn; EMCS off at 11:00 p.m.
Plaza inground lights	YES	YES		r5	Photocell control 'On' at 1/2 hour before dusk & dawn; EMCS off at 11:00 p.m.
Flagpole lights	YES	YES		r6	Photocell control 'On' at 1/2 hour before dusk & dawn; EMCS off at 11:00 p.m.
Building sign	YES	YES		r7	Photocell control 'On' at 1/2 hour before dusk & dawn; EMCS off at 11:00 p.m.

SEE SHEET E21.01 FOR EXTERIOR LIGHTING CONTROL PANEL LOCATION IN ELECTRICAL ROOM 135.

LIGHTING FIXTURE SCHEDULE NOTES

1. FOR ALL LIGHTING CONTROLS THAT INCLUDE DAYLIGHT HARVESTING SENSOR, OCCUPANT AND VACANCY SENSOR, AUTOMATIC TIME SWITCHES, AND CONTROLLED RECEPTACLE OUTLET SHALL COMPLY WITH 2021 WASHINGTON STATE ENERGY CODE COMMISSIONING AND DOCUMENTATION REQUIREMENTS PER C103,C405 AND C408. A COMPLETE REPORT OF TEST PROCEDURES RESULTS SHALL BE PREPARED BY THE PROJECT COMMISSIONING AGENT OR ELECTRICAL CONTRACTOR AND FILED WITH THE OWNER.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL LIGHT FIXTURE FINISHED COLORS WITH ARCHITECT AND THE OWNER.
3. ALL INTERIOR AND EXTERIOR LIGHTING SHALL BE PROVIDED WITH 0-10V DIMMING OPTION.
4. PLXE, RLXE, WLXE: "E" - EMERGENCY EGRESS LIGHT FIXTURE LABELED WITH "E" IS POWERED FROM THE EMERGENCY LIGHTING PANEL "EL". PROVIDE UL924 LIGHTING RELAY CONTROLLER TO ALL EMERGENCY EGRESS FIXTURES. THE CIRCUIT FOR THE RELAY POWER SENSING INPUT (NON-EMERGENCY/UTILITY/UNSWITCHED) SHALL BE CONNECTED AND SOURCED FROM THE LOCAL ROOM LIGHTING CIRCUIT.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

BCE
A Division of TranSystems
6021 12th Street East, Suite 200
Fife, Washington 98424
T: 253.922.0446 | F: 253.922.0896

CHARLES A. HERATON — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
09/12/25

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT # 2022011
BID SET
ISSUE DATE AUGUST 15, 2025

REVISION SCHEDULE

△		
3	ADD #3	09/19/25

LIGHT FIXTURE SCHEDULE, EXTERIOR LIGHTING SCHEDULE

SHEET #
E00.03

GENERAL NOTES

1. ALL HANDHOLES SHALL BE FOG-TITE TYPE 1 WITH GALVANIZED LIDS.
2. E.C. TO PROVIDE ALL TRENCHING, BACKFILL AND COMPACTION FOR INSTALLATION OF ALL CONDUITS.
3. E.C. TO COORDINATE WITH PENINSULA LIGHT FOR INSTALLATION OF SERVICE AND INSTALL PER PENINSULA LIGHT REQUIREMENTS.
4. PROVIDE #10 AWG MINIMUM FOR ALL EXTERIOR 120 VOLT CIRCUITS.

CONSTRUCTION NOTES

1. POWER AND SYSTEMS HANDHOLE FOR FUTURE MOTORIZED GATE
2. EV CHARGING STATION. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN. PROVIDE DUAL PORT 208V, 1Ø, 40A WEATHERPROOF CONNECTION AND INSTALL OWNER PROVIDED CHARGING STATION. PROVIDE 1" CONDUIT WITH (3) #8 Cu. AND (1) #10 Cu. GND BACK TO PANEL AND CIRCUIT INDICATED.
3. EV READY PARKING SPACE. PROVIDE (2) NEMA 14-50R RECEPTACLES AND 1-1/4" CONDUIT WITH (6) #8 Cu. AND (1) #10 Cu. GND BACK TO PANEL AND CIRCUIT INDICATED. INSTALL IN METALLIC, PAD LOCKABLE , WHILE-IN-USE WEATHER RESISTANT ENCLOSURE ON CEDAR POST ABOVE FINISHED GRADE. SEE DETAIL 7 ON SHEET E71.07.
4. EV CAPABLE PARKING SPACE. PROVIDE WEATHER RESISTANT BELL BOX 3" ABOVE GRADE AND (1) 1" CONDUIT WITH PULLSTRING BACK TO PANEL 'EV' FOR FUTURE EV CHARGER.
5. (3) 4" CONDUITS TO RIGHT-OF-WAY WITH PULL ROPE IN EACH FOR INTERNET SERVICE PROVIDER, PHONE, AND SPARE. COORDINATE WITH GHFMO IT DEPT FOR BACK PULLING EXISTING SERVICE, EXACT SERVICE LOCATION(S) FOR NEW POINT OF CONNECTION, AND NEW ROUTE(S) PRIOR TO SITE DEMOLITION.

CONSTRUCTION NOTES

6. LIGHTING FIXTURE RECESSED IN CONCRETE. SEE SHEET L02.02. COORDINATE LIGHT FIXTURE EXACT LOCATION WITH LANDSCAPE CONTRACTOR PRIOR TO ROUGH-IN.
7. UNDERGROUND STORM WATER SYSTEM. ALL CONDUITS TO BE ROUTED AROUND THE DETENTION SYSTEM. COORDINATE WITH CIVIL SHOP DRAWINGS FOR EXACT LAYOUT.
8. 1" C.O. WITH PULL STRING TO ELECTRICAL ROOM FOR THE FUTURE MOTORIZED GATE.
9. POWER PEDESTAL. PROVIDE LEGRAND WIREMOLD MODEL XCSPP2GRR-BK.
10. FUEL MANAGEMENT SYSTEM. COORDINATE EXACT LOCATION WITH FUEL MANAGEMENT SYSTEM INSTALLER. ELECTRICAL CONTRACTOR SHALL COORDINATE AND PROVIDE ADDITIONAL WIRING AND CONDUITS BETWEEN THE FUEL DISPENSERS AND MANAGEMENT SYSTEM.
11. OFCI FUEL DISPENSER. VERIFY EXACT POWER REQUIREMENTS PRIOR TO ROUGH-IN.
12. ALL INSTALLATION AND WIRING SHALL COMPLY WITH NEC514 MOTOR FUEL DISPENSING FACILITIES. PROVIDE REQUIRED SEALS AND FITTING S PER CODE AND INSTALLATION MANUAL.
13. OFCI DEF DISPENSER. VERIFY EXACT POWER REQUIREMENTS PRIOR TO ROUGH-IN.

CONSTRUCTION NOTES

14. 4P-800A AUTOMATIC TRANSFER SWITCH SERVICE ENTRANCE RATED. PROVIDE A CONCRETE HOUSEKEEPING PAD.
15. (2) 1" C.O. WITH PULL STRING TO ELECTRICAL ROOM /MDF FOR FUTURE MOTORIZED GATE.
16. (1) 1" C.O. WITH PULL STRING TO FIRE ALARM CONTROL PANEL FOR PIV MONITORING. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
17. (1) 1" C.O. WITH PULL STRING TO FUEL MANAGEMENT SYSTEM FROM ELECTRICAL ROOM/MDF. COORDINATE EXACT LOCATION WITH FUEL MANAGEMENT SYSTEM INSTALLER.
18. PROVIDE 4'X6'10' GALVANIZED SQUARE TUBING AND UNISTRUT FOR METER MOUNTING. PROVIDE A CONCRETE HOUSEKEEPING PAD.
19. EMERGENCY FUEL SHUT-OFF BUTTON. PROVIDE CONNECTION TO THE FUEL PUMP.
20. PROVIDE CONNECTION TO GENERATOR BATTERY CHARGER.
21. PROVIDE CONNECTION TO GENERATOR BLOCK HEATER. VERIFY EXACT POWER REQUIREMENTS WITH GENERATOR SUBMITTALS PRIOR TO ROUGH-IN.
22. PROVIDE CONDUIT AND WIRING FOR ATS CONTACT TO ELEVATOR CONTROL PANEL. CONTACT TO CLOSE 20 SECONDS PRIOR TO TRANSFER IN EITHER DIRECTION AND OPEN WHEN TRANSFER IS COMPLETE.

CONSTRUCTION NOTES

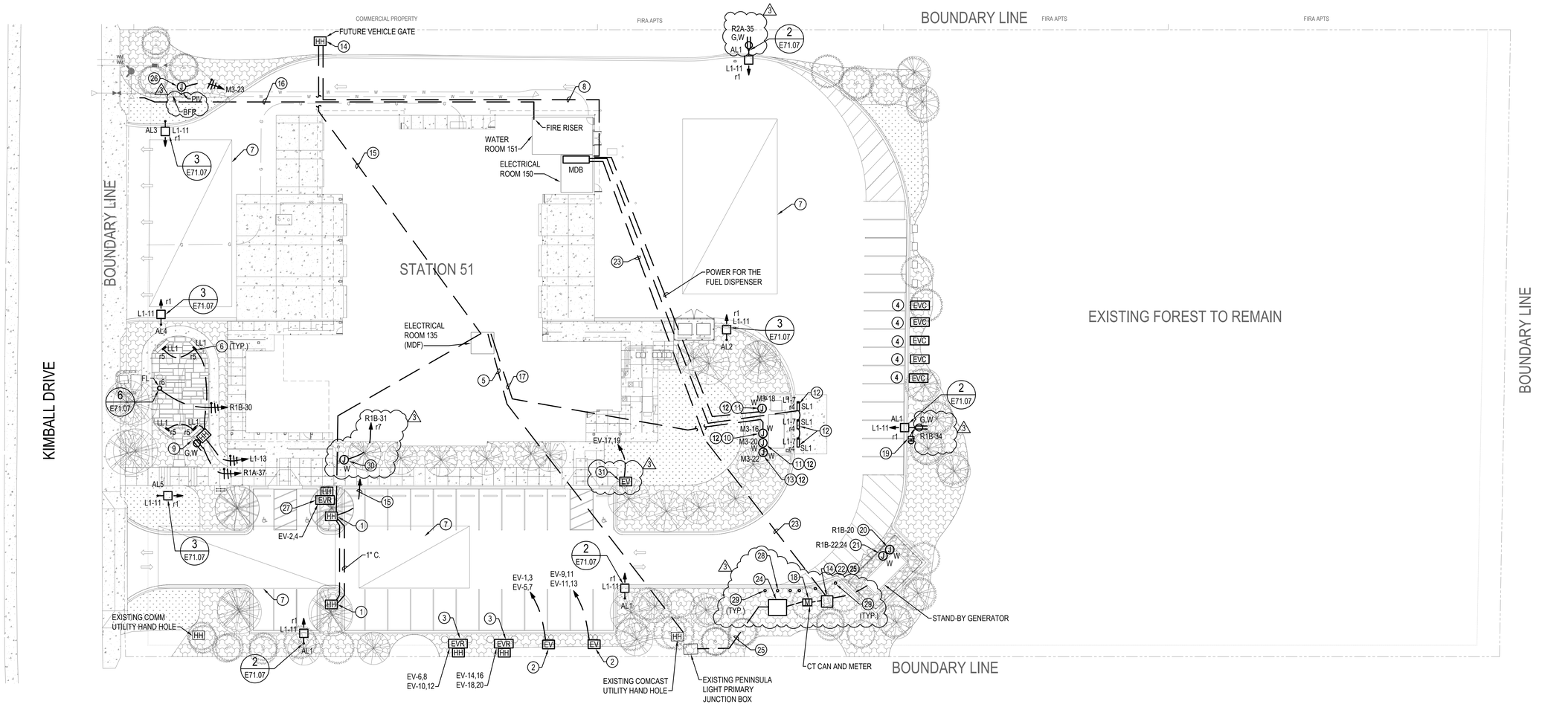
23. PROVIDE SERVICE CONDUCTORS. SEE ONE-LINE DIAGRAM ON SHEET E61.00.
24. PROPOSED PENINSULA LIGHT TRANSFORMER AND VAULT LOCATION. COORDINATE FINAL TRANSFORMER LOCATION WITH PENINSULA LIGHT PRIOR TO ROUGH-IN. PROVIDE EXCAVATION FOR UTILITY VAULT.
25. PROVIDE TRENCHING, SAND-BEDDING, AND BACKFILL FROM UTILITY PRIMARY JUNCTION BOX TO UTILITY PAD-MOUNT TRANSFORMER. COORDINATE ALL WORK, INCLUDING TRENCHING ROUTE AND ASSOCIATED EARTHWORK WITH PENINSULA LIGHT PRIOR TO STARTING CONSTRUCTION. PENINSULA LIGHT TO SUPPLY AND INSTALL CONDUIT AND WIRES.

3 25. PROVIDE 1" CONDUIT AND CONTCATOR WIRE FROM ATS TO PANEL 'EV' IN ELECTRICAL ROOM 150 FOR SHUNT TRIP BREAKER.

26. POWER FOR HOTBOX ON THE RPZA BACKFLOW PREVENTOR. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS WITH CIVIL PRIOR TO ROUGH-IN.
27. EV READY PARKING SPACE. PROVIDE A NEMA 14-50R RECEPTACLE AND 1" CONDUIT WITH (3) #8 Cu. AND (1) #10 Cu. GND BACK TO PANEL AND CIRCUIT INDICATED. INSTALL IN METALLIC, PAD LOCKABLE , WHILE-IN-USE WEATHER RESISTANT ENCLOSURE ON CEDAR POST ABOVE FINISHED GRADE. SEE DETAIL 8 ON SHEET E71.07.

3 CONSTRUCTION NOTES

28. REMOVABLE BOLLARD. SEE CIVIL SHEET C05.09 FOR BOLLARD DETAIL.
29. PIPE BOLLARD. SEE CIVIL SHEET C05.01 FOR BOLLARD DETAIL.
30. BUILDING SIGN. SEE DETAIL 10 & 14 ON SHEET A11.01B. CONDUIT TO BE CENTERED ON BACK OF POST. ROUTE CIRCUIT THROUGH EXTERIOR LIGHTING CONTROL PANEL RELAY R7.
31. EV CHARGING STATION. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN. PROVIDE DUAL PORT 208V, 1Ø, 40A WEATHERPROOF CONNECTION AND INSTALL OWNER PROVIDED CHARGING STATION. PROVIDE 1" CONDUIT WITH (3) #8 Cu. AND (1) #10 Cu. GND BACK TO PANEL AND CIRCUIT INDICATED.



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

N

20' 10' 0 20' 40'
SCALE: 1"=20'-0"

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

BCE A Division of TranSystems
6021 12th Street East, Suite 200
Fife, Washington 98424
T: 253.922.0446 | F: 253.922.0896

CHARLES A. HERTON — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
09/19/25

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

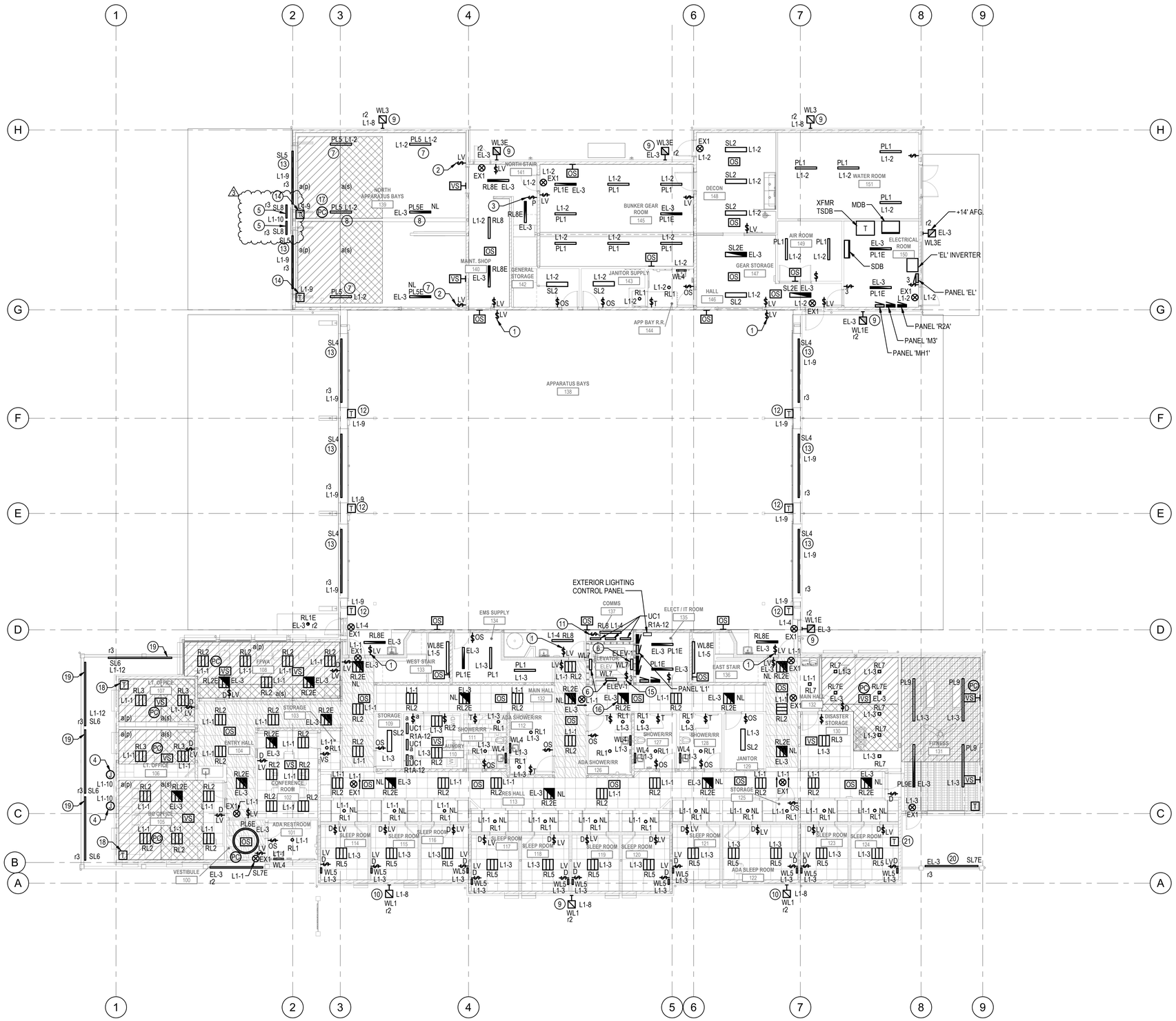
PROJECT # 2022011
BID SET
ISSUE DATE AUGUST 15, 2025

REVISION SCHEDULE

3	ADD #3	09/19/25

ELECTRICAL SITE PLAN

SHEET #
E11.01



1 LIGHTING PLAN - MAIN LEVEL

1/8" = 1'-0"

GENERAL NOTES

1. ROUTE CONDUITS ACROSS APPARATUS BAY CONCEALED ABOVE TONGUE & GROOVE DECK AND BELOW ROOF WITHIN RIGID INSULATION SPACE (SEE ARCHITECTURAL ROOF DETAILS). COORDINATE WITH ARCHITECT PRIOR TO ROUGH-IN TO CONFIRM EXACT ROUTE AND CONDUIT TRANSITION LOCATIONS. SEE SHEET E51.01 FOR MORE INFORMATION.
2. PROVIDE SEISMIC BRACING FOR PENDANT LIGHTING FIXTURES IN APPARATUS BAYS.

CONSTRUCTION NOTES

1. LIGHT SWITCH FOR CONTROL OF LIGHTS IN APPARATUS BAYS 138.
2. LIGHT SWITCH FOR CONTROL OF LIGHTS IN NORTH APPARATUS BAYS 139.
3. LIGHTING SWITCH FOR LIGHTS LOCATED IN MEZZANINE 214.
4. POWER FOR EXTERIOR SIGN "51". MOUNT AT +8' AFF. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
5. LIGHT FIXTURE FOR THE EXTERIOR SIGN. MOUNT THE FIXTURE ON THE SOFFIT AND AIM THE FIXTURE AT THE SIGN. MOUNT POWER SUPPLY IN THE NORTH APPARATUS BAY.
6. MOUNT LIGHT FIXTURE IN ELEVATOR SHAFT AT +3' AFG. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
7. MOUNT FIXTURE AT +11'-0" AFF.
8. MOUNT FIXTURE AT +14'-0" AFF.
9. MOUNT FIXTURE AT +10'-0" AFG.
10. MOUNT FIXTURE AT +12'-0" AFG.
11. SWITCH FOR UNDER CABINET LIGHTS.
12. POWER SUPPLY FOR SL4 FIXTURE.
13. SEE ARCHITECTURAL SECTION DETAIL 2 ON SHEET A60.02 FOR FIXTURE MOUNTING DETAIL. AIM THE ASYMMETRIC LENS TOWARD THE DOOR.
14. POWER SUPPLY FOR SL5 FIXTURE.
15. LOCATE THE LIGHT SWITCH AT 4' ABOVE BOTTOM LANDING NEXT TO THE TOP RUNG OF LADDER PER ELEVATOR MANUFACTURERS REQUIREMENTS.
16. PROVIDE UNSWITCHED HOT LEG TO FIXTURE FOR 24/7 OPERATION.
17. MOUNT PHOTOCELL TO THE BOTTOM OF THE STRUCTURE.
18. POWER SUPPLY FOR SL6 FIXTURES. MOUNT ABOVE ACCESSIBLE CEILING.
19. MOUNT FIXTURE ON VERTICAL SURFACE OF THE STRUCTURAL BEAM. INSTALL BOTTOM OF THE LIGHT FIXTURE FLUSH WITH BOTTOM OF THE BEAM.
20. MOUNT THE FIXTURE TO THE UNDERSIDE OF A STRUCTURAL BEAM.
21. POWER SUPPLY FOR SL7E FIXTURE. MOUNT ABOVE ACCESSIBLE CEILING.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

BCE
A Division of TranSystems
6021 12th Street East, Suite 200
Fife, Washington 98424
T: 253.922.0446 | F: 253.922.0896

CHARLES A. HERTON — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — 09/15/25

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT #	2022011
	BID SET
ISSUE DATE	AUGUST 15, 2025

REVISION SCHEDULE

3	ADD #3	09/19/25

LIGHTING PLAN - MAIN LEVEL

SHEET #
E21.01

DATE/ TIME PRINTED: 9/18/2025 4:57:09 PM
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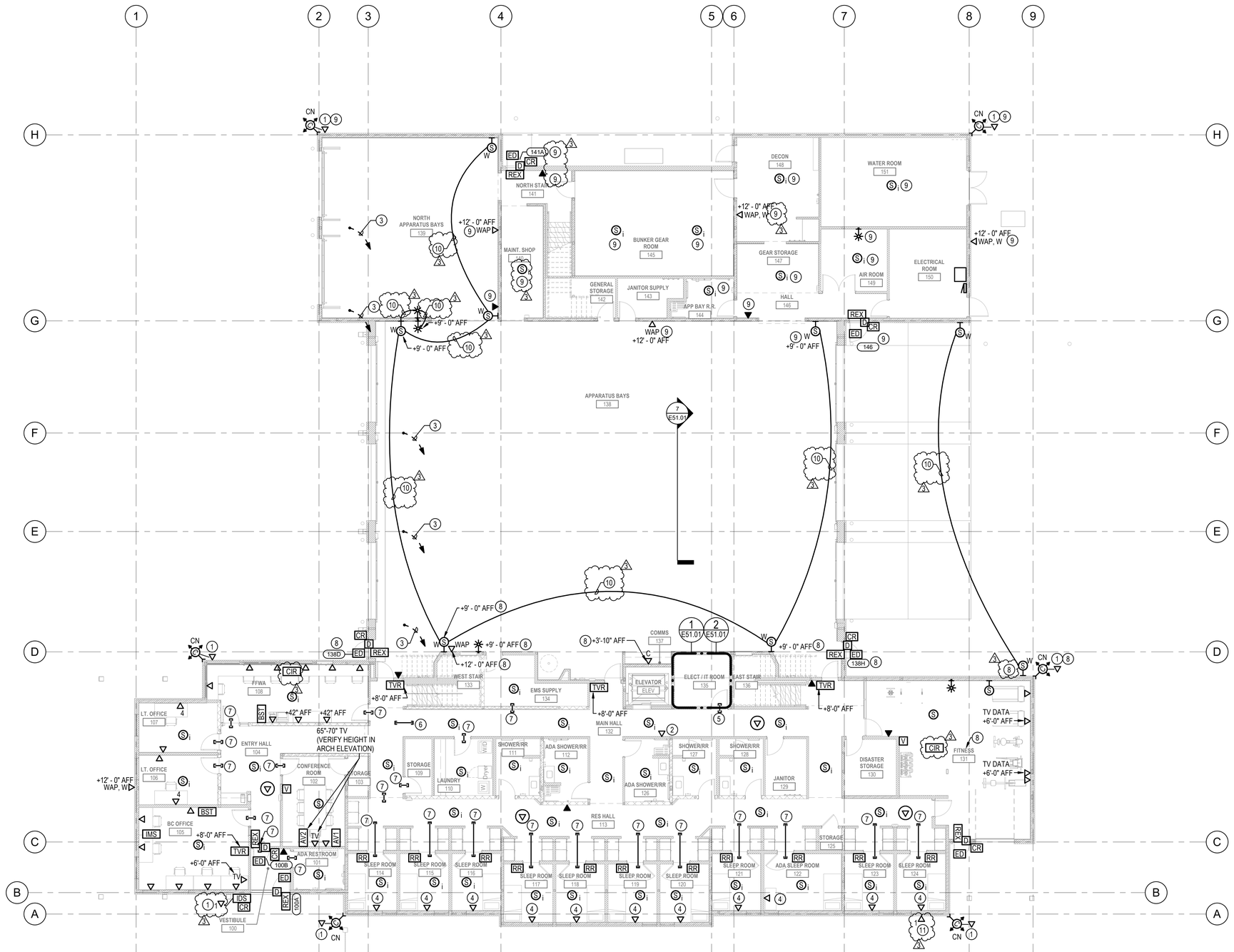

1 SYSTEMS PLAN - MAIN LEVEL

1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE A MINIMUM OF (1) 2" AND (2) 1" CONDUIT SLEEVES TO EACH ROOM BETWEEN ACCESSIBLE CEILING SPACES. DO NOT EXCEED 40% CABLE FILL AND PROVIDE ADDITIONAL SLEEVES AS REQUIRED.
2. DEVICES NORTH OF GRID G SHALL HAVE CONDUIT ROUTED TO THE IDF IN THE MEZZANNINE ABOVE (SEE E41.02).

CONSTRUCTION NOTES

1. PROVIDE QUANTITY SHOWN CAT 6 CABLE AND JACK FOR EACH CCTV CAMERA LOCATION.
2. PROVIDE DATA OUTLET TO ELEVATOR CONTROL PANEL. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
3. ROUTE (2) 3/4" CONDUIT FROM BOLLARD TO ELEC/IT 135 FOR DATA & ALERT SYSTEM CABLE PATHWAY. PROVIDE RACEWAYS IN BOLLARD TO MAINTAIN SEPARATION FROM ELECTRICAL PER NEC. COORDINATE EXACT STUB UP LOCATION WITH ARCHITECT.
4. PROVIDE ROUGH-IN ONLY (BOX, CONDUIT, COVER PLATE).
5. PROVIDE (4) 4"C. SLEEVES BETWEEN CEILING SPACES.
6. PROVIDE (4) 2"C. SLEEVES BETWEEN CEILING SPACES.
7. PROVIDE (1) 2"C. AND (3) 1"C. SLEEVES BETWEEN CEILING SPACES.
8. ROUTE CONDUITS FROM ALL LOW VOLTAGE DEVICES TO CORRIDOR CEILING SPACE / MAIN HALL 132 (ABOVE FINISHED FLOOR), CONCEAL WHERE POSSIBLE. COORDINATE ALL SURFACE MOUNT CONDUIT ROUTING AND PAINTING WITH ARCHITECT PRIOR TO ROUGH-IN.
9. ROUTE ALL CONDUITS FROM ALL LOW VOLTAGE DEVICES TO IDF BACK BOARD IN MEZZANINE 214 (ABOVE FINISHED FLOOR), CONCEAL WHERE POSSIBLE. COORDINATE ALL SURFACE MOUNT CONDUIT ROUTING AND PAINTING WITH ARCHITECT PRIOR TO ROUGH-IN.
10. ROUTE 3/4" CONDUIT BETWEEN DEVICES. CONCEAL ALL CONDUITS (NO SURFACE MOUNT).
11. PROVIDE DATA FOR IRRIGATION CONTROLLER IN WEATHER PROOF JUNCTION BOX AND COVERPLATE. MOUNT AT +48" AFF. COORDINATE EXACT LOCATION WITH LANDSCAPE CONTRACTOR PRIOR TO ROUGH-IN.

RICE fergus MILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

BCE
A Division of TranSystems
6021 12th Street East, Suite 200
Fife, Washington 98424
T: 253.922.0446 | F: 253.922.0896

CHARLES A. HERTON — STATE OF WASHINGTON — 19015 — REGISTERED PROFESSIONAL ENGINEER
09/19/25

GIG HARBOR FIRE STATION 51
GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT # 2022011
BID SET
ISSUE DATE AUGUST 15, 2025

REVISION SCHEDULE

3	ADD #3	09/19/25

SYSTEMS PLAN - MAIN LEVEL

SHEET #
E41.01

DATE/ TIME PRINTED: 9/18/2025 4:58:10 PM
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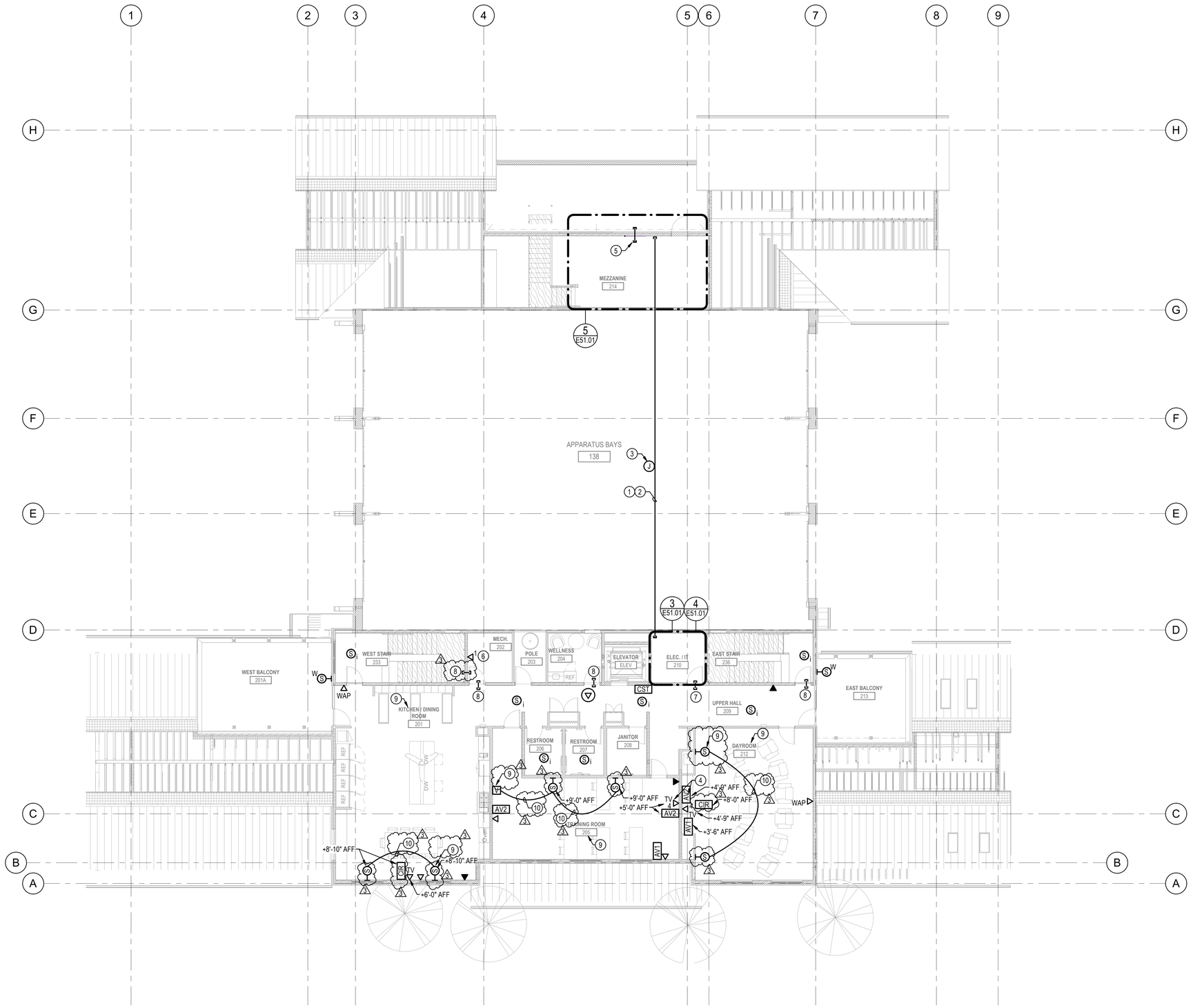

1 SYSTEMS PLAN - UPPER LEVEL

1/8" = 1'-0"

GENERAL NOTES

1. PROVIDE A MINIMUM OF (1) 2" AND (2) 1" CONDUIT SLEEVES TO EACH ROOM BETWEEN ACCESSIBLE CEILING SPACES. DO NOT EXCEED 40% CABLE FILL AND PROVIDE ADDITIONAL SLEEVES AS REQUIRED.
2. DEVICES NORTH OF GRID G SHALL HAVE CONDUIT ROUTED TO THE IDF IN THE MEZZANNINE ABOVE (SEE E41.01 FOR MORE INFORMATION).

CONSTRUCTION NOTES

1. PROVIDE (5) 2" C. AND (1) 1" C. BETWEEN ELEC/IT 210 AND MEZZANINE 214. - LABEL AS (1) 2" - DATA, (1) 2" - SECURITY, (1) 2" - RADIO/ANTENNA, (1) 2" - ALERT SYSTEM, (1) 2" - SPARE, & (1) 1" - FIRE ALARM
2. ROUTE CONDUITS ACROSS APPARATUS BAY CONCEALED ABOVE TONGUE & GROOVE DECK AND BELOW ROOF WITHIN RIGID INSULATION SPACE (SEE ARCHITECTURAL ROOF DETAILS). CONFIRM CONDUIT & CABLE BEND RADIUS REQUIREMENTS WITH THE OWNER & THEIR RADIO EQUIPMENT VENDORS PRIOR TO ROUGH-IN. COORDIANTE WITH ARCHITECT PRIOR TO ROUGH-IN TO CONFIRM EXACT ROUTE AND CONDUIT TRANSITION LOCATIONS. SEE SHET E51.01 FOR MORE INFORMATION.
3. ADD 4-11/16" SQUARE JUNCTION BOX IN THE ALERT SYSTEM 2" CONDUIT RUN WITH 2-GANG RING EXTENSION & STAINLESS STEEL PASS GROMMETED 2" THROUGH PLATE.
4. OFCI MOUNT & WALL BACKING OFOI 86" TV
5. PROVIDE (2) 2" CONDUIT SLEEVES WITH 2" WEATHERHEADS ON EXTERIOR UNDER ROOF EAVE. WEATHER SEAL AS REQUIRED.SEE ENLARGED SYSTEMS PLANS FOR MORE INFORMATION.
6. PROVIDE DATA OUTLET FOR MECHANICAL CONTROL PANEL. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
7. PROVIDE (1) 4"C. AND (3) 2"C. SLEEVES BETWEEN CEILING SPACES.
8. PROVIDE (1) 2"C. AND (3) 1"C. SLEEVES BETWEEN CEILING SPACES.
9. ROUTE CONDUITS FROM ALL LOW VOLTAGE DEVICES IN THIS ROOM TO CORRIDOR CEILING SPACE / UPPER HALL 209, CONCEAL WHERE POSSIBLE. COORDINATE ALL SURFACE MOUNT CONDUIT ROUTING AND PAINTING WITH ARCHITECT PRIOR TO ROUGH-IN.
10. ROUTE 3/4" CONDUIT BETWEEN DEVICES. CONCEAL ALL CONDUITS (NO SURFACE MOUNT).

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BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

BCE
A Division of TranSystems
6021 12th Street East, Suite 200
Fife, Washington 98424
T: 253.922.0446 | F: 253.922.0896

CHARLES A. HEATON
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
09/19/25

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GIG HARBOR FIRE & MEDIC ONE
6711 KIMBALL DRIVE
GIG HARBOR, WA 98335

PROJECT #	2022011
BID SET	
ISSUE DATE	AUGUST 15, 2025

REVISION SCHEDULE

3	ADD #3	09/19/25

SYSTEMS PLAN - UPPER LEVEL

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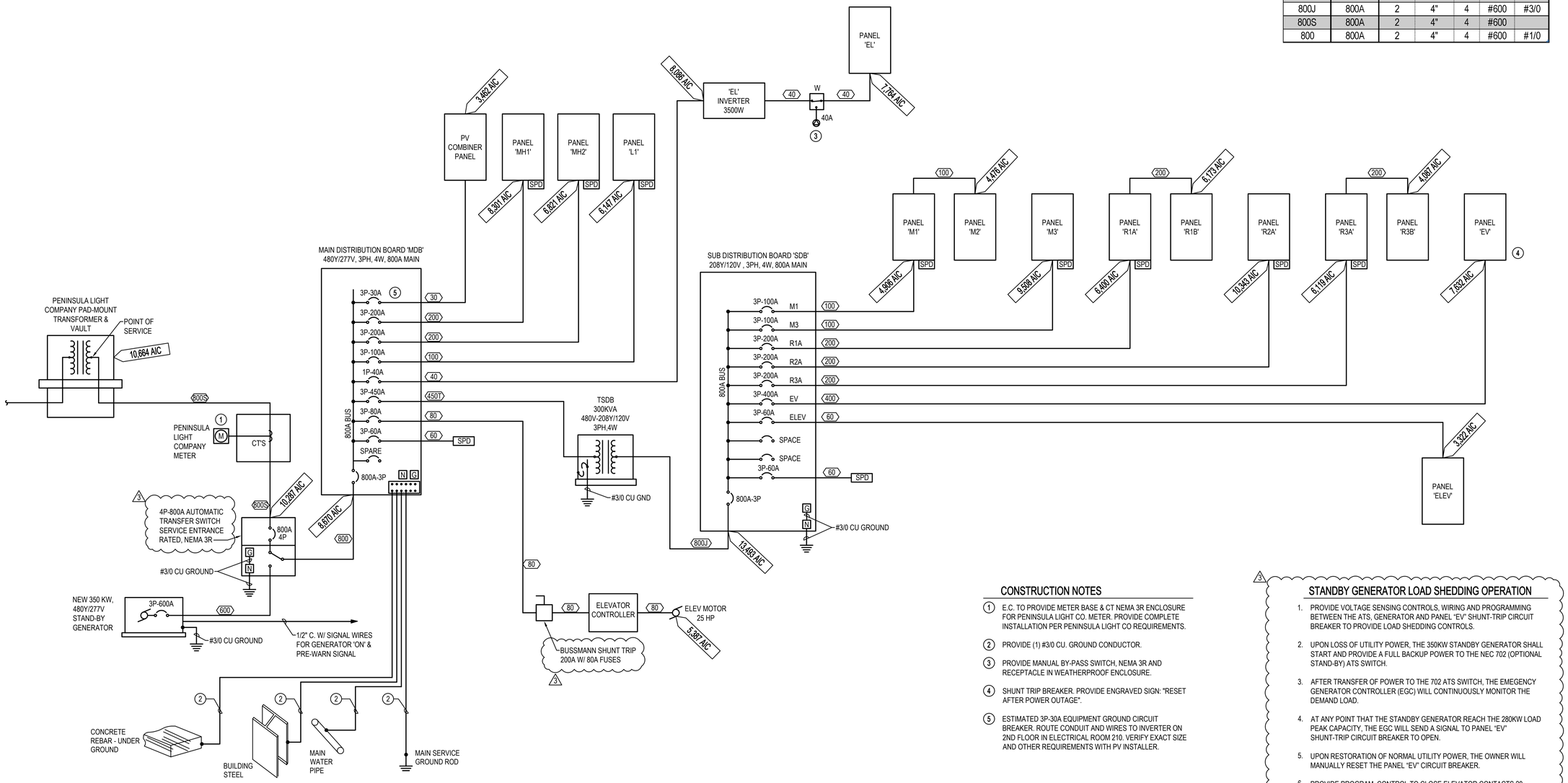
FEEDER SCHEDULE

ID	Ampacity	Copper # Each	Copper Conduit	Copper #	Copper AWG	Copper GND
20	20A	1	3/4"	2	#12	#12
40	40A	1	1"	2	#8	#10
60	60A	1	1 1/4"	4	#4	#10
70	70A	1	1 1/4"	4	#4	#8
80	80A	1	1 1/2"	4	#3	#8
100	100A	1	1 1/2"	4	#1	#8
150	150A	1	1 1/2"	4	#1/0	#6
200	200A	1	2"	4	#3/0	#6
400	400A	1	4"	4	#600	#3
450T	450	2	2 1/2"	3	#4/0	#2
600	600A	2	3"	4	#350	#1
800J	800A	2	4"	4	#600	#3/0
800S	800A	2	4"	4	#600	
800	800A	2	4"	4	#600	#1/0



1 ONE-LINE DIAGRAM
SCALE: DIAGRAMMATIC

CONSTRUCTION NOTES

1. E.C. TO PROVIDE METER BASE & CT NEMA 3R ENCLOSURE FOR PENINSULA LIGHT CO. METER. PROVIDE COMPLETE INSTALLATION PER PENINSULA LIGHT CO REQUIREMENTS.
2. PROVIDE (1) #3/0 CU. GROUND CONDUCTOR.
3. PROVIDE MANUAL BY-PASS SWITCH, NEMA 3R AND RECEPTACLE IN WEATHERPROOF ENCLOSURE.
4. SHUNT TRIP BREAKER. PROVIDE ENGRAVED SIGN: "RESET AFTER POWER OUTAGE".
5. ESTIMATED 3P-30A EQUIPMENT GROUND CIRCUIT BREAKER. ROUTE CONDUIT AND WIRES TO INVERTER ON 2ND FLOOR IN ELECTRICAL ROOM 210. VERIFY EXACT SIZE AND OTHER REQUIREMENTS WITH PV INSTALLER.

3 STANDBY GENERATOR LOAD SHEDDING OPERATION

1. PROVIDE VOLTAGE SENSING CONTROLS, WIRING AND PROGRAMMING BETWEEN THE ATS, GENERATOR AND PANEL "EV" SHUNT-TRIP CIRCUIT BREAKER TO PROVIDE LOAD SHEDDING CONTROLS.
2. UPON LOSS OF UTILITY POWER, THE 350KW STANDBY GENERATOR SHALL START AND PROVIDE A FULL BACKUP POWER TO THE NEC 702 (OPTIONAL STAND-BY) ATS SWITCH.
3. AFTER TRANSFER OF POWER TO THE 702 ATS SWITCH, THE EMEGENCY GENERATOR CONTROLLER (EGC) WILL CONTINUOUSLY MONITOR THE DEMAND LOAD.
4. AT ANY POINT THAT THE STANDBY GENERATOR REACH THE 280KW LOAD PEAK CAPACITY, THE EGC WILL SEND A SIGNAL TO PANEL "EV" SHUNT-TRIP CIRCUIT BREAKER TO OPEN.
5. UPON RESTORATION OF NORMAL UTILITY POWER, THE OWNER WILL MANUALLY RESET THE PANEL "EV" CIRCUIT BREAKER.
6. PROVIDE PROGRAM CONTROL TO CLOSE ELEVATOR CONTACTS 20 SECONDS PRIOR TO GENERATOR SWITCH OVER IN BOTH DIRECTIONS.

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ONE-LINE DIAGRAM

SHEET #
E61.00