

ADDENDUM NO. 01

November 14, 2023

RE: Project No. 49-23-CMO

City Hall Annex Building VRF HVAC Installation

310 1st Street Kirkland, WA 98033

FROM: City of Kirkland 123 5<sup>th</sup> Ave

Kirkland, WA 98033

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 1, 2023, as noted below.

Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

This Addendum consists of the following information and attachments:

- Pre-Bid Walkthrough Sign-In Sheet
- Changes to Specifications
  - Updated Table of Contents
  - Updated 00 30 00 Information Available to Bidders
    - ENR23-08282 Permit
    - MNR23-08469 Permit
    - 2008 Bid Set Drawings, BOLA (for reference only)
    - Materials Building Survey Report
- Changes to Drawings
  - Revised Drawing M-0.1
  - o Revised Drawing E3.1
- Responses to Bidders' Questions



929 108th Ave NE, Suite 1000 Bellevue, WA 98004 425.628.6000 woodharbinger.com

City of Kirkland City Hall Annex Building VRF HVAC Installation WH #23018

11-408-2023 **Meeting Attendance** 

Bid Walk 937 11/0

			Bid Walk		
Initials	Attendee	Organization	Email	Office Phone	Cell
)M	Joe Moran	PSF Mech	I mora wapsfmech	com	266 331 665
MM	Michael Michay	JMI	michaelm@jehansenme	ch. com	1206) 786-440
SGI	Samantha Granger	Apex Mechanical	seth@apexmenaniral.org		66-8735
5B	Sean Bollen	Wood Harbinger	sholler woodharbinger con		
Ma	MIKE LEKKET	4 11	MIEHNER DWOOD HARRING TO		
M. 5	Michal Buch	MBE Electric	in bee lective @ hotusil con	253-332-404	$2 \rightarrow$
PN	Paul Nikolin	PAHSC	Paulikalinagmail.com	425 215 8884	$\rightarrow$
EN	Elihn Nikolin	Product Air Heating & Cooling	Productairhand Cagnaile	425-344-3736	7
46	JOHN HUGHES	morgan	I Hughes a HUAR mong on . Cu	206223907	1
		- I			
				-	

#### CHANGES TO SPECIFICATIONS:

- 1. Revised Table of Contents
- 2. Information Available to Bidders
  - a. Electrical Permit ENR23-08282
  - b. Mechanical Permit MNR23-08469
  - c. Bid Set Drawings (for reference only)
  - d. Materials Building Survey Report

#### **TABLE OF CONTENTS**

Number Title Certifier

#### **DIVISION 00 – CONDITIONS OF THE CONTRACT**

00 00 00	Cover Page
00 00 01	Table of Contents
00 00 02	Approved for Construction
00 01 07	Seals Page
00 00 10	Invitation for Bids
00 10 10	Bidder's Checklist Form
00 10 20	Bidder's Qualifications
00 15 30	Bidder Responsibility Criteria Form
00 15 40	Non-Collusion Bidder Responsibility and Minimum Wage Certification Form
00 20 00	Instructions to Bidders
00 30 00	Information Available to Bidders
	Mechanical Permit MNR23-08469
	Electrical Permit ENR23-08282
	Materials Building Survey Report, Argus Pacific, 2007
	2008 Bid Set Drawings, BOLA (for reference only)
00 41 00	Bid Form
00 43 30	Bid Bond Security Form
00 44 00	Subcontractor Identification
00 45 70	Retainage Investment Form
00 52 20	Agreement Form
00 60 00	Bonds and Certificates Form
00 61 40	Performance Bond
00 61 41	Labor Materials and Taxes (Payment) Bond
00 70 00	General Conditions
00 75 00	Supplemental Conditions
00 82 75	Contractor's Affidavit of Release of Liens and Claims
00 83 00	Department of Labor Wage Rates

#### **DIVISION 01 – GENERAL REQUIREMENTS**

Sec	tion	01	10 00 Summa	ary
$\sim$		~ 4	00 00 11 11 15 1	

Section 01 22 00 Unit Prices

Section 01 25 00 Substitution Procedures

Section 01 26 00 Contract Modification Procedures

Section 01 29 00 Payment Procedures

Section 01 31 00 Project Management & Coordination

Section 01 32 00 Construction Progress Documentation

Section 01 33 00 Submittal Procedures

Section 01 40 00 Quality Requirements

Section 01 42 00 References

Section 01 60 00 Product Requirements

Section 01 73 00 Execution

Section 01 77 00 Closeout Procedures

Section 01 78 23 Operation and Maintenance Data

Section 01 78 39 Project Record Documents

Section 01 91 00 Commissioning

#### **DIVISION 20 – COMMON WORK RESULTS FOR HVAC**

20 02 00 General Provisions for HVAC

20 03 00 Basic Materials and Methods for HVAC

20 04 00 Pipe, Valves, and Fittings for HVAC

20 07 00 HVAC Insulation

#### **DIVISION 23 – HEATING, VENTILATING, AND AIR CONDITIONING**

23 08 00 Commissioning for HVAC

23 23 00 Refrigerant Piping

23 81 50 Variable Refrigerant Flow Units

#### **DIVISION 26 - ELECTRICAL**

26 00 10 Electrical Provisions

26 32 29 Rotary Phase Converter

26 05 00 Common Work Results for Electrical

26 05 20 Wire and Cable - 600 Volts and Less

26 05 26 Grounding and Bonding for Electrical Systems

26 05 30 Raceway and Boxes

26 24 16 Panelboards

26 27 26 Wiring Devices

26 28 13 Fuses

26 28 15 Safety Switches

#### **END TABLE OF CONTENTS**

#### **INFORMATION AVAILABLE TO BIDDERS**

The following documents are provided for the Contractor's reference. These documents are part of the Contract Documents and are made available to the Contractor for information only.

- A. Electrical Permit ENR23-08282
- B. Mechanical Permit MNR23-08469
- C. 2008 Bid Set Drawings (for reference only)
- D. Materials Building Survey Report

**END OF SECTION** 

November 14, 2023 00 30 00 - 1 of 1

#### **Electrical Permit**



City of Kirkland

123 Fifth Avenue Kirkland WA 98033 425-587-3600 Permit Number: ENR23-08282
Type: Electrical Non Residential

Work Class: Alteration to Structure or System

#### **Permit Information**

Job Address(es): Project:

310 1ST ST Parcel: 3885808550 Application Date: 10/17/2023

**Valuation:** \$30,000.00 **Issue Date:** 11/01/2023

**Dwelling Units:** Expiration Date: 11/01/2024

Code Edition: 2020 NEC

#### **Scope of Work**

COK Project - Annex HVAC: Electrical modifications to support installation of new VRF HVAC system in existing building.

#### **Contacts**

Type	<u>Name</u>	Address	Phone
Owner	CITY OF KIRKLAND	123 5TH AVE KIRKLAND, WA 98033	B: C:
Owner is Contractor	CITY OF KIRKLAND	123 5TH AVE KIRKLAND, WA 98033	B: C:
Primary Contact	CITY OF KIRKLAND LEE ANN SKIPTON	123 5TH AVE KIRKLAND, WA 98033	B: 4255873931 C:
Applicant	LEE ANN SKIPTON	123 5TH AVE KIRKLAND, WA 98033	B: 4255873930 C:

Request an inspection before 6 p.m. for next business day. Requests made after 6 p.m. will be scheduled on the second business day following the request.

How to request an inspection:

- 1) Go to http://mybuildingpermit.com
- 2) Select Kirkland as the Jurisdiction.
- 3) Locate the permit using the permit # or property address
- 4) Follow the on-screen instructions to complete the inspection request.

#### REQUIRED INSPECTIONS

Inspection(s)	Date	Inspector	٦ ا
ELE - Other			9
ELE - Temporary Power			10
ELE - Feeder			-
ELE - Slab (Cover)			l
ELE - Ditch			l
ELE - Bonding/Grounding			l
ELE - Service			l
ELE - Wall Cover			l
ELE - Ceiling Cover			l
ELE - Rough In			l
ELE - Final			
			1

#### **Illicit Discharges and Connections**

#### Illicit Discharges and Connections (Municipal Code 15.52) as prohibited in the Storm Drain System:

Contractor is responsible for keeping streets clean and free of contaminants at all times, removing pollutants from a private system that enters the municipal storm system and/or surface and ground water, and preventing an illicit discharge (KMC 15.52) into the municipal storm drain system and/or surface and ground water. If your construction project violates Municipal Code 15.52, the City of Kirkland Storm Maintenance Division will be called to clean the public storm system, and other affected public infrastruture. The contractor(s), property owner, vendor, and any other responsible party may be charged all costs associated with the clean-up and may also be assessed a fine (KMC 1.12.200). The minimum fine is \$500. A fine for a repeat violation shall be determined by multiplying the surface water fine by the number of violations. A fine my be reduced or waived for persons who immediately self-report violations to the city at 425-587-3900. A Final Inspection of your project will not be granted until all costs associated with the clean-up, and penalties, are paid to the City of Kirkland.



#### City of Kirkland 123 Fifth Avenue Kirkland WA 98033 425-587-3600

Permit Number: ENR23-08282 Type: Electrical Non Residential

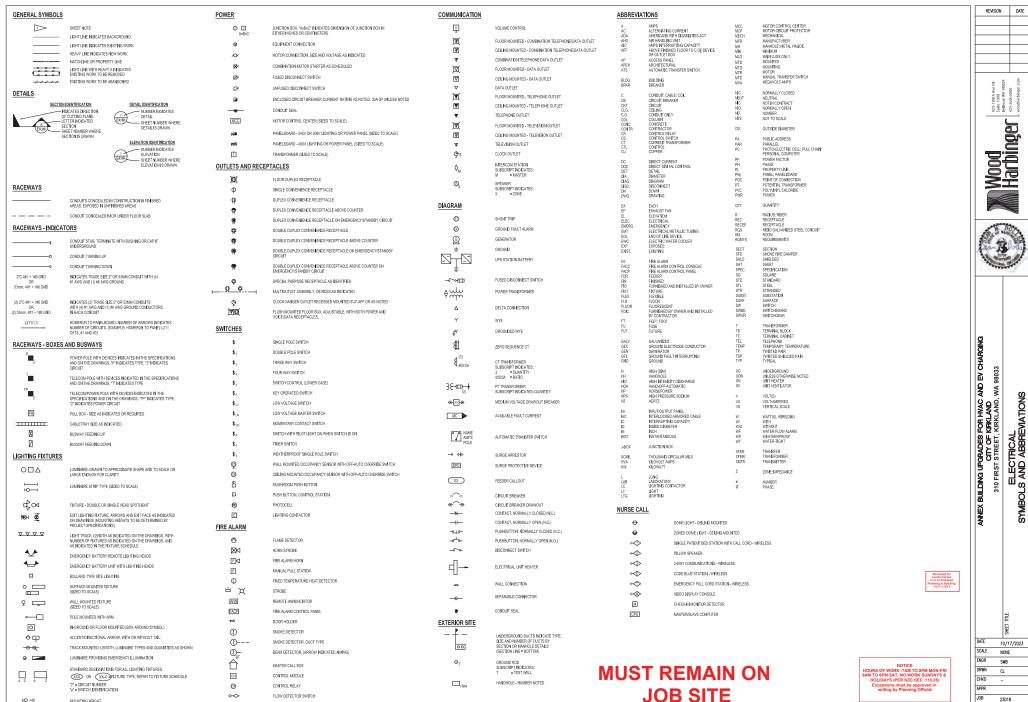
Work Class: Alteration to Structure or System

#### **General Conditions**

- 1. The issuance of this permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of any other ordinances of the jurisdiction.
- 2. The approved plans shall not be changed, modified, or altered without authorization from the building official.
- 3. This permit, inspection record and approved plans are required to be on the job site at all times.
- 4. The approved plans which are required to be onsite must be printed in color. The City added comments and mark-ups must appear in RED.
- 5. All development activity and heavy equipment operation is restricted to 7:00 a.m. to 8:00 p.m., Monday through Friday, and 9:00 a.m. to 6:00 on Saturdays. No development activity or heavy equipment operation may occur on Sundays or holidays observed by the City.
- 6. All work is subject to field inspection. Do not cover any work until approved by a City inspector.
- 7. Contact the Building Division at 425-587-3600 with any questions.
- 8. Any sales tax reported to the State in association with this project should be coded to the City of Kirkland tax location code 1716.

#### SEE ATTACHED SHEET FOR SPECIFIC CONDITIONS

	Inspector's Comments							
·								



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VALVE/TAMPER DETECTION

PRESSURE DETECTOR SWITCH

MOUNTING HEIGHT

WALL WASH LICHT CIVILING

INTERIOR = AFF EXTERIOR = AFG

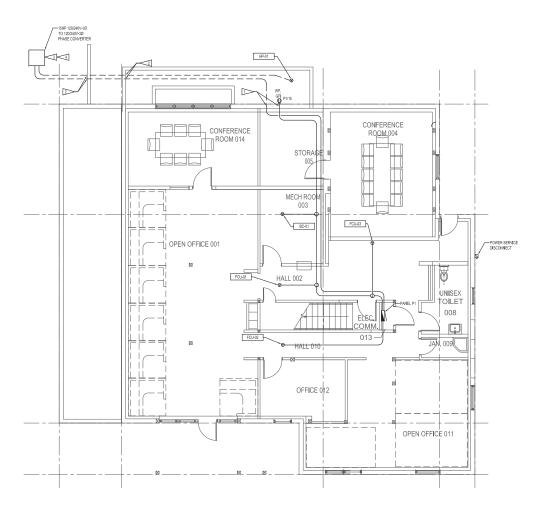
PERMIT DRAWING SET SHEET

10/17/2023

23018

E0.1

NEC 455.6(B)
Manufactured Phase Marking. The manufactured whase conductors shall be identified in all accessible ocations with a distinctive marking. The marking shall be consistent throughout the system and premises.



ELECTRICAL GROUND FLOOR PLAN SCALE: 1/4" = 1'-0"

#### **MUST REMAIN ON JOB SITE**

GENERAL NOTES

1. GROUTS SHALL UTILIZE SURFACE METAL
RACEWAY TO FAN COLL UNITS AND BRANCH
CONTROLLERS. FIELD VERIFY LOCATION OF
BEAMS.

HEAT PUMP SHALL UTILIZE EMT FIELD
PAINTED TO MATCH WALLSCELLINGS, CORE
DRILL EXISTING EXTERIOR WALL, EXTERIOR
CONDUIT SHALL BE PVC SCHEDULE 40.

#### SHEET NOTES

CORE DRILL EXISTING EXTERIOR WALL FOR CONDUIT PENETRATIONS.

CORE DRILL UNDER EXISTING WALKWAY.

PROVIDE 4" THICK CONCRETE HOUSE KEEPING PAD. PAD SHALL EXTEND 4" BEYOND EQUIPMENT FOOTPRINT.

PROVIDE UNISTRUT SUPPORT FOR DISCONNECT SWITCH:

Wood Harbinger

Suite Bellev 425.6

REVISION DATE



ANNEX BUILDING UPGRADES FOR HYAC AND EV CHARGING OTY OF KIRKLAND 310 FIRST STREET, KIRKLAND, WA 98033

ELECTRICAL GROUND FLOOR PLAN

Reviewed by Laszlo Farkas City of Kirkland Planning & Buildin 10/27/2023

10/17/2023 SCALE AS-NOTED ENGR SMB DRWN CL 23018

E3.1

1/4"=1"-0"

(A)-OFFICE 101 MAIN HALK 102 (B)-ENTRY VESTIBULE 100 JAN. 103 COPY & SUPPLIES 115 ELEC / COMM CLOSET 108 WOMEN HALL 109 OPEN OFFICE ( OFFICE 113 OPEN OFFICE LOUNGE 112

SHEET NOTES

2>-3>



REVISION DATE

929 108th Ave NE Suite 1000 Bellevue WA 98004 425.628.6000

ANNEX BULDING UPGRADES FOR HYAC AND EV CHARGING OTY OF KIRKLAND 310 FIRST STREET, KIRKLAND, WA 98033

ELECTRICAL FIRST FLOOR PLAN

10/17/2023 SCALE AS-NOTED DRWN CL

> 23018 E3.2

**MUST REMAIN ON JOB SITE** 



GENERAL NOTES

1. ALL ELECTRICAL ITEMS ON THIS SHEET ARE EXISTING AND SHOWN FOR REFERENCE ONLY.

#### NEC 455.6(B)

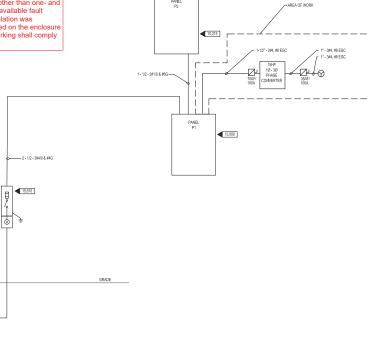
EQUPMENT XX

EXISTING PSE SERVICE HANDHOLE

ELECTRICAL ONE-LINE DIAGRAM

Manufactured Phase Marking. The manufactured phase conductors shall be identified in all accessible locations with a distinctive marking. The marking shall be consistent throughout the system and premises.

408.6 Short-Circuit Current Rating. Switchboards, switchgear, and panelboards shall have a short-circuit current rating not less than the available fault current. In other than one- and two-family dwelling units, the available fault current and the date the calculation was performed shall be field marked on the enclosure at the point of supply. The marking shall comply with 110.21(B)(3).



**MUST REMAIN ON JOB SITE** 

PERMIT DRAWING SET

10/17/2023 SCALE NONE SMB DRWN CL CHKD 23018

ENR23-08282-APPROVED PLANS-COK Project - Annex HVAC Page 4 of 5

Suite Bellev 425.6 ANNEX BULDING UPGRADES FOR HYAC AND EV CHARGING OTY OF KIRKLAND 310 FIRST STREET, KIRKLAND, WA 98033 ELECTRICAL ONE-LINE DIAGRAM

REVISION DATE

E5.1

	PANEL NAME: P1 (E)	(IST)						PANEL		EDULE			MFGR:	
	LOCATION: 13					240/120	VOLT	SECT	300	1	OF	1	CAT#	
	FED FROM: UTILIT	Υ			1 PHASE	3 WIRE	SURF	ACE MOUNT	PNL					
	22 KAIC SYM			225 AMP	MAN C8	225	AMP	BUS			CU BUS		100% NEUTRAL	
CKT.						C8			Р		C8			0
NO.		CIRCUIT	DESCR	PTION		AWPS		KVA	Н	KVA	AMPS		CIRCUIT DESCRIPTION	No
1	LTG:RM01,03,08,09					20/		03.0	8	0.10	20/	1	EF-01, EF-02, EF-03, EF-04, EF-06, EF-08	2
3	LTG:RM 02,04,06,07	,010,012,0	14			20/		0.70	b	0.10	20/	1	BOILER B-1	4
5	LTG: EXIT SIGNS					20/	1	0.10	9	0.67	20/	1	DOMESTIC HOT WATER PUMP	6
7	REC:RM 004 - PROJE	CTOR				20/	1	0.20	b	0.10	20/	1	FIRE DAMPERS	8
9	REC:RM 014 - PROJE					20/	1	0.20	8	0.20	20		REC: RM 001 - COPIER	10
11	FOU-1 THRU FOU-3, B	C-01			(NOTE 1)	20/	2	0.30		0.80	20/	1	REC: RM 004, 014 - COMPUTER	12
13						-		0.30	9	1,00	20/	1	REC; RM 011 - COMPUTER	14
15	REC - EXTERIOR				(NOTE 2)	20/	1	0.18	ь	0.80	20/	1	REC: RM 001, 011, 012 - COMPUTER	16
17	SPARE					20/	2	0.00	8	1,00	20/	1	REC; RM 001 - COMPUTER	18
19	SPARE					-		0.00	b	0.72	20/	1	REC; RM 011, 012	20
21	SPARE					20/	1	0.00	8	0.90	20	1	REC: RM 001, 010, 012	22
23	SPARE					20/	1	0.00	b	0.90	20/	1	REC: RM 002, 003, 005	24
25	SPARE					20/	1	0.00	8	0.90	20/	1	REC: RM 06, 07, 08, 09, 013	26
27	SPARE					20/	1	0.00	b	0.90	20/	1	REC; RM 004	28
29	SPARE					20/		0.00	8	0.90	20		REC: RM 005, 014	30
31	SPARE					20/	1	0.00	b	0.90	20/	1	REC: RM 001, 014	33
33	SPARE					20/	1	0.00	9	0.90	20/	1	REC; RM 001	34
35	SPARE					20/	1	0.00	b	0.04	20/	1	BOILER CONTROL PANEL AND PUMPS	36
37	SPARE					20/	1	0.00	8	0.00	20/	1	SPARE	38
39	HP-01				(NOTE 1)	707	2	5.40	b	0.00	20/	1	SPARE	40
41						-		5.40	9	0,00	20/	1	SPARE	40
LOAG		CONNILO		FACTOR	CALC LOA				NOT					
L <b>J</b> GH1	TNG	4.96	KVA	125%	6.20				1.	REMOVE EX	STING SP	ARE (	ROUT BREAKERS AND PROVIDE NEW	
RECE	PTACLES	20.16	KVA	50%>10kVA	15.08	kVA				CIRCUIT BRE	AKER			
ALL N	IOTORS	0.00	KVA.	100%	0.00	kVA			2.	NEW LOAD O	MENISTI	IG CIF	CUIT BREAKER.	
LRGS	TMOTOR	0.67	KVA	125%	0.83	KVA								
KITCH		0.00	KVA	100%	0.00	kVA.								
1490	SCELLANEOUS 30.94 kVA 100% 30.9		30.94	kVA										
HON-	CONCIDENT	0.00	kVA	0%	0.00	kWA								
	TOTAL	56.73	kVA		53,05	KVA								

	PANEL NAME: P2 IEXI	ST)						PANEL	SCH	EDULE			MFGR;	
	LOCATION: 13					240/120	VOLT	SEC*	TON:	1	0F	1	CAT #	
	FED FROM: UTILITY				1 PHAS	E, 3 WIRE	SURF	ACE MOUNT	PNL					
	22 IAIC SYM			225 AMP 1	AAN CB	225	AVP	BUS			CU BUS		100% NEUTRAL	
CKT.						CB			Ρ		C8			0
NO.		CIRCUIT	DESCR	PTION		AMPS	POL	kVA	Н	kVA	AVPS	POL	CIRCUIT DESCRIPTION	H
1	LTG: BUILDING EXTER	OR				201	1	0.40	8	0.00	20/	1	EF-07 - EF-13	
3	LTG: SITE EXTERIOR					201	1	0.40	ь	0.50	20/	1	REC. RM KITCHNEN-INSTANT HOT	- 4
5	LTG: RM 102, 103, 104, 1	105, 106				201	1	0.40	8	0.50	20/	1	REC: RM KITCHEN - DISPOSER	
7	LTG: RM 101, 102, 115					201	1	0.30	b	0.70	20/	1	REC; RM KITCHEN - REFRIGERATOR	
9	LTG: EXIT SIGNS					201	1	0.10	a	0.18	20/	1	REC; RM KITCHEN - GRI	1
11	LTG: 107 - 113					201	1	0.00	ь	0.18	20/	1	REC; RM KITCHEN - GFI	- 1
13	REC: RM 104 - FACP					201	1	0.30	8	0.40	20/	1	REC: RM 104 - DATA / COMM.	- 1
15	REC: RM 001, 101					201	1	0.36	ь	0.40	20/	1	REG: RM 104 - DATA / COMM.	- 1
17	REC: RM ATTIC - A/C					201	1	0.00	a	0.20	20/	1	REC: RM 104 - SECURITY PANEL	- 1
19						201	1	0.00	ь	0.20	20/	1	REC: RW 115 - COPIER	
21	REC: RM ATTIC - L++					201	1	0.18	8	0.80	20/	1	REC: RM 110, 113 - COMPUTER	
23	FCU-04 THRU FCU-08				(NOTE 1)	200	2	0.35	ь	0.80	20/	1	REC; RM 102, 113, 114 - COMPUTER	
25								0.35	a	1.00	20/	1	REC; RM 102 - COMPUTER	- 2
27	CF-01, CF-02				(NOTE 2)	201	1	0.20	ь	0.80	20/	1	REC: RM 102 - COMPUTER	- 2
29	SPARE					201	1	0.00	8	0.90	20/	1	REG: RM 103, 104, 105, 106, 107	- 3
31	SPARE					201	1	0.00	ь	0.90	20/	1	REC; RM 110, 112	3
33	SPARE					201	1	0.00	8	1.08	20/	1	REC; RW 019, 112, 113	3
35	SPARE					201	1	0.00	ь	0.90	20/	1	REC; RM 102, 114	- 3
37	SPARE					201	1	0.00	a	0.36	20/	1	REC RW 115	- 3
39	SPARE					201	1	0.00	ь	0.90	20/	1	REC: RM 102	- 4
41	SPARE					200	1	0.00	8	0.72	20/	1	REC: RM 102	- 4
LOAD	SUM	CONNU	DAD	FACTOR	CALC LOA	D			NOT	ES				
UGH	MG	1,78		125%	2,23				1.	REVIOVE EX	STING SE	ARE (	DIRCUIT BREAKERS AND PROVIDE NEW	
RECE	PTACLES	6.48	kVA	50%>10kVA	6.48	kVA.				CIRCUIT BRE	AKER			
ALL I	IOTORS	0.00	kVA.	100%	0.00	KVA.			2.	NEW LOAD C	N EXIST	NGC	RCUIT BREAKER.	
LRGS	T MOTOR	0.00	kVA	125%	0.00	kWA.								
KITCH	HEN	0.00	kVA	100%	0.00	kVA.								
MISC	ELLANEOUS	7.50	kVA	100%	7.50	kVA.								
NON-	CONCIDENT	0.00	kVA	0%	0.00									
	TOTAL	15.76	kVA		16.21	kVA								
		85.7	AWPS		67.5	Arres								

	MOTOR AND EQUIPMENT WIR	NG SCHEDU	JLE									
	DISCONNECT STARTER											
PLAN	DESCRIPTION	KWIHP	VOLTS	PH	PANEL	WIRE &	SIZE	IZE FUSE		COMBI	1	REMARKS
MARK						CONDUIT	AMPS	AMPS	SIZE	YES	NO	
CF-01	CEILING FAN	0.1 KVA	240	-1	P2	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
CF-02	CEILING FAN	0.1 KVA	240	1	P2	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
FCU-01	AIR CONDITIONING UNIT	0.2 KVA	240	-1	P1	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
FCU-02	AIR CONDITIONING UNIT	0.2 KVA	240	-1	P1	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
FCU-03	AIR CONDITIONING UNIT	0.1 KVA	240	-1	P1	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
FCU-04	AIR CONDITIONING UNIT	0.1 KVA	240	-1	P2	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
FCU-05	AIR CONDITIONING UNIT	0.1 KVA	240	-1	P2	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
FCU-06	AIR CONDITIONING UNIT	0.1 KVA	240	-1	P2	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
FCU-07	AIR CONDITIONING UNIT	0.2 KVA	240	-1	P2	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
FCU-08	AIR CONDITIONING UNIT	0.1 KVA	240	-1	P2	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
BC-01	BRANCH CIRCUIT CONTROLLER	0.1 KVA	240	-1	P1	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
BC-02	BRANCH CIRCUIT CONTROLLER	0.1 KVA	240	-1	P2	2#10, 1#10EGC	30	15				WHITE WIREMOLD 2000 SERIES OR EQUIVALENT
HP-01	AIR COOLED CONDENSING UNITS	10.8 KVA	208	3	P1		60	35				SEE SHEET E5.1



MUST REMAIN ON JOB SITE

NOTICE
HOURS OF WORK: 7AM TO 8PM MON-FRI
9AM TO 8PM SAT. NO WORK SUNDAYS &
HOLIDAYS (PER KZC SEC. 115.25)
Exceptions must be approved in
writing by Planning Official

PERMIT DRAWING SET

REVISION DATE

929 108th Ave NE Suite 1000 Bellevue WA 98004 425.628.6000 woodharbinger.com

Wood Harbinge



HARGING

ANNEX BUILDING UPGRADES FOR HVAC AND EV CHARGING
OTY OF KIRKLAND
310 FIRST STREET, KIRKLAND, WA 98033
ELECTRICAL
SCHEDULES

間 10/17/2023 NONE SMB

| DATE | 10/17/2023 | SCALE | NONE | ENGR | SMB | DRWN | CL | CHKO | - APPR | JOB | 23018 | E7.1

#### **Mechanical Permit**



City of Kirkland 123 Fifth Avenue Kirkland WA 98033

425-587-3600

Permit Number: MNR23-08469 Type: Mechanical Non Residential

Work Class: New Structure

#### **Permit Information**

Job Address(es): Project:

310 1ST ST Parcel: 3885808550 **Application Date:** 10/27/2023

> 11/01/2023 Valuation: \$250,000.00 **Issue Date:**

> **Dwelling Units:** 11/01/2024 **Expiration Date:**

> > Code Edition: 2018 IMC

#### Scope of Work

COK Project - COK Annex HVAC: Add new VRF HVAC system to existing building.

#### **Contacts**

Type	<u>Name</u>	<u>Address</u>	<u>Phone</u>
Owner	CITY OF KIRKLAND	123 5TH AVE KIRKLAND, WA 98033	B: C:
Primary Contact	CITY OF KIRKLAND LEE ANN SKIPTON	123 5TH AVE KIRKLAND, WA 98033	B: 4255873931 C:
Applicant	LEE ANN SKIPTON	123 5TH AVE KIRKLAND, WA 98033	B: 4255873931 C:
Project Contact	CITY OF KIRKLAND LEE ANN SKIPTON	123 5TH AVE KIRKLAND, WA 98033	B: 4255873930 C:

Request an inspection before 6 p.m. for next business day. Requests made after 6 p.m. will be scheduled on the second business day following the request.

How to request an inspection:

- 1) Go to http://mybuildingpermit.com
- 2) Select Kirkland as the Jurisdiction.
- Locate the permit using the permit # or property address
- Follow the on-screen instructions to complete the inspection request.

#### REQUIRED INSPECTIONS

Inspection(s)	Date	Inspector	Ŀ
MEC - Other			13
MEC - Fuel Gas Piping			۱,
MEC - Ceiling Cover			:
MEC - Wall Cover			l
MEC - HVAC Piping (Hydronic/Chilled/Refrigerant)			l
MEC - Hydronic Tubing			l
MEC - Rough Mechanical			l
MEC - Fire/Smoke Dampers			l
MEC - Duct Seal			l
MEC - Duct Insulation			l
MEC - Final			l
			ı

#### **Illicit Discharges and Connections**

#### Illicit Discharges and Connections (Municipal Code 15.52) as prohibited in the Storm Drain System:

Contractor is responsible for keeping streets clean and free of contaminants at all times, removing pollutants from a private system that enters the municipal storm system and/or surface and ground water, and preventing an illicit discharge (KMC 15.52) into the municipal storm drain system and/or surface and ground water. If your construction project violates Municipal Code 15.52, the City of Kirkland Storm Maintenance Division will be called to clean the public storm system, and other affected public infrastruture. The contractor(s), property owner, vendor, and any other responsible party may be charged all costs associated with the clean-up and may also be assessed a fine (KMC 1.12.200). The minimum fine is \$500. A fine for a repeat violation shall be determined by multiplying the surface water fine by the number of violations. A fine my be reduced or waived for persons who immediately self-report violations to the city at 425-587-3900. A Final Inspection of your project will not be granted until all costs associated with the clean-up, and penalties, are paid to the City of Kirkland.



#### City of Kirkland 123 Fifth Avenue Kirkland WA 98033 425-587-3600

Permit Number: MNR23-08469 Type: Mechanical Non Residential

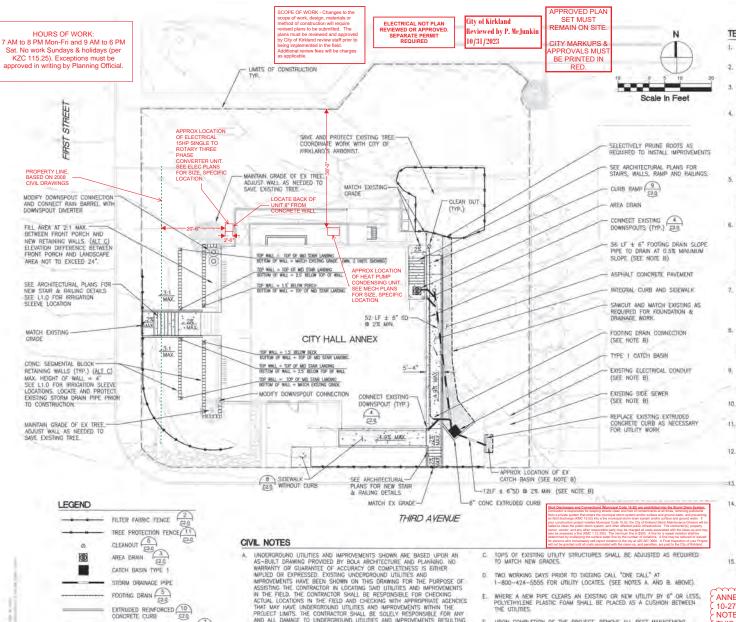
Work Class: New Structure

#### **General Conditions**

- 1. The issuance of this permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of any other ordinances of the jurisdiction.
- 2. The approved plans shall not be changed, modified, or altered without authorization from the building official.
- 3. This permit, inspection record and approved plans are required to be on the job site at all times.
- 4. The approved plans which are required to be onsite must be printed in color. The City added comments and mark-ups must appear in RED.
- 5. All development activity and heavy equipment operation is restricted to 7:00 a.m. to 8:00 p.m., Monday through Friday, and 9:00 a.m. to 6:00 on Saturdays. No development activity or heavy equipment operation may occur on Sundays or holidays observed by the City.
- 6. All work is subject to field inspection. Do not cover any work until approved by a City inspector.
- 7. Contact the Building Division at 425-587-3600 with any questions.
- 8. Any sales tax reported to the State in association with this project should be coded to the City of Kirkland tax location code 1716.

#### SEE ATTACHED SHEET FOR SPECIFIC CONDITIONS

Inspector's Comments						
<u>-</u>						



TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

1. CONSTRUCTION EROSION CONTROL MEASURES MUST BE IN PLACE AND APPROVED BY CITY PRIOR TO ANY EARTH DISTURBANCE

2 PROVIDE INLET PROTECTION AT ALL PROPOSED AND EXISTING CATCH BASINS AND AREA DRAINS. (SEE C2.0 DETAIL 1)

THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED

4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL OR PUBLIC DRAINAGE SYSTEM. AS CONSTRUCTION EMER HE INJURIES OF PUBLIC DEVINEED ESISONAL CONDITIONS DISTART, MORE SILTATION CONTROL FACULTIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL FACULTIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL OF THE PROJECT. THEREFORE, DURING THE COURSE OF CONSTRUCTION OF SILTATION CONTROL OF THE CONTROLOTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS/HER ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.

5. THE BOUNDARIES OF THE LIMITS OF CONSTRUCTION SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED BY A CONTINUOUS LENGTH OF FENCE PRIOR TO CONSTRUCTION, DURING THE CONSTRUCTION PERIOD, NO REVISION TO THE LIMITS OF CONSTRUCTION SHALL BE PERMITTED WITHOUT PRIOR APPROVAL. THE CLEARIN LIMITS SHALL BE MAINTAINED BY THE ESC SUPERVISOR FOR THE DURATION OF

6. NO SEDIMENT SHALL BE TRACKED INTO THE STREET OR ONTO PAVED SURFACES. SEDIMENT SHALL BE REMOVED FROM TRUCKS AND EQUIPMENT PRIOR TO LEAVING THE SITE IN THE EVENT OF FAILURE OF EROSION CONTROL SYSTEM RESULTING IN SEDIMENT BEING TRACKED ONTO PAVED SURFACES, THE CONTRACTOR SHALL IMMEDIATELY IMPLEMENT MEASURES TO CORRECT THE SITUATION, AND STREET SWEEPING SHALL BE EMPLOYED ON AN EMERGENCY BASIS. IF STREET SWEEPING VEHICLES ARE UTILIZED THEY SHALL BE OF THE TYPE THAT ACTUALLY REMOVES. THE SEDIMENT FROM THE PAVEMENT. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR CITY APPROVAL

7. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS, DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL SUMP PUMPS, RELOCATION OF INTERCEPTOR DITCHES AND FILTER FABRIC FENCES, ETC.)

B. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING, WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES DURING THE WET SEASON (OCT. 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPT. 30).

9. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).

10. ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.

11. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN FORTY-EIGHT (48) HOURS FOLLOWING A

12. At no time shall more than one (1) foot of sediment be allowed to accumulate within a catch basin. All catch basins and conneyance lines shall be cleaned prior to project completion, the cleaning operation shall not flush sediment—laden water into the downstream system.

13. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2 TO 3 INCHES,

14. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION. FOR THE WINTER RAINS, DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON, A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO TH CITY INSPECTOR. THE CITY INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS AND STREAMS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.

15. PROVIDE SEDIMENT TRAPS, SEDIMENT POND OR BAKER TANKS AS REQUIRED TO REMOVE SEDIMENT FROM SURFACE RUNOFT PRIOR TO ENTERING THE STORM DRAIN SYSTEM IN ACCORDANCE WITH THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, WASHINGTON DEPT. OF ECOLOGY

ANNEX BUILDING UPGRADES FOR HVAC 10-27-2023 (REVISED)

NOTE:

THIS DRAWING IS FOR REFERENCE ONLY. THIS PLAN ONLY IS SHOWING LOCATION OF NEW HEAT PUMP CONDENSING UNIT AND 3 PHASE CONVERTER UNIT LOCATIONS. EV CHARGING TO BE SEPARATE PROJECT

PARTY

MNR23-08469 APPROVED MECH PLANS -COK Annex HVAC- 10.31.23 Page 1 of 6

BID SET

100 DES. G.W. PATTLE I

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Annex 98033 Hall of Kirkland First Street sland, Washin irkland

Revisions

Scale: AS SHOWN Date: 07 30.08

Grading, Paving and Utility Plan

AND ALL DAMAGE TO UNDERGROUND UTILITIES AND IMPROVEMENTS RESULTING FROM HIS OPERATIONS.

CONTRACTOR TO VERIFY BY POTHOLING PRIOR TO DEMOLITION WHETHER SLOPES SHOWN ARE FEASIBLE. CONTRACTOR SHALL ALSO VERIFY LOCATION OF SANITARY SEWER AND ELECTRICAL CONDUITS AND DETERMINE IF CONFLICTS EXIST WITH PROPOSED STORM SYSTEM IMPROVEMENTS.

ASPHALT CONCRETE PAVEMENT C2.0

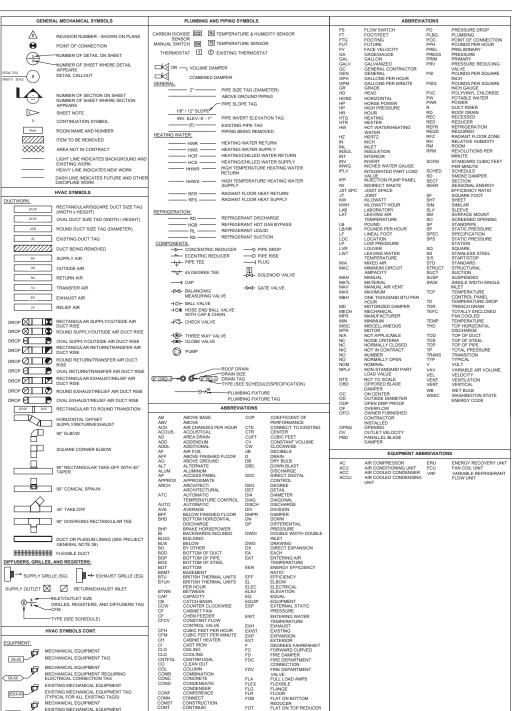
INTEGRAL CURR AND SIDEWALK

DIRECTION OF SLOPE

F. LIPON COMPLETION OF THE PROJECT, REMOVE ALL BEST MANAGEMENT PRACTICES AND RESTORE ALL DISTRUBED AREAS.

See Permit Conditions for additional

Approved construction plans n-site must be printed full size



FOB

FLAT ON BOTTOM REDUCER FLAT ON TOP REDUCER FINS PER FOOT

EXISTING MECHANICAL EQUIPMENT TAG (TYPICAL FOR ALL EXISTING TAGS) MECHANICAL EQUIPMENT

EQUIPMENT FOR REFERENCE EQUIPMENT TAG (Page 2017)

(E) XX-XX

EXISTING MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTION TAG

EQUIPMENT TAG (REFER TO OTHER DISCIPLINE FOR ADDITIONAL INFORMATION)

CONF CONN CONST CONT

CONTR

CONTINUE/

CONTRACT/ CONTRACTOR

GENERAL	

- THE FOLLOWING NOTES APPLY TO ALL MECHANICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS. ADDITIONAL NOTES MAY BE INDICATED ON INDIVIDUAL DRAWINGS.
- DRAWINGS NOICATE CONNECTIONS FOR EQUIPMENT TO BE FURNISHED BY THE OWNER OR AS THE WORK OF OTHER TRADES. VERFY LOCATION OF EQUIPMENT, ROUGH-IN LOCATIONS, AND TYPE OF CONNECTIONS PRIOR TO PREPARATE SHOP DRAWINGS OR SUBMITTALS, AND PRIOR TO INSTALLATION OF SERVICE CONNECTIONS. DO NOT INTERFERE WITH ACCESS FOR MAINTENANCE AND REMOVAL OR REPLACEMENT OF EQUIPMENT.
- COORDINATE THE PHASING AND INSTALLATION OF NEW WORK WITH THE WORK OF ALL OTHER TRADES. BEAR THE TOTAL EXPENSE FOR ANY ADDITIONAL WORK WHICH MAY BE CAUSED BY IMPROPER SEQUENCING OF CONSTRUCTION ACTIVITIES
- LOCATE MECHANICAL DEVICES (E.G. TEMPERATURE AND HUMIDITY SENSORS, PANELS, AND SWITCHES), SO THAT THEY DO IOT CONFLICT WITH EXISTING CONSTRUCTION (E.G. WAINSCOT, DOOR HARDWARE), ELECTRICAL DEVICES (E.G. LIGH SWITCHES, SPEAKERS, OUTLETS), AND THE WORK OF OTHER TRADES.
- PROVIDE HOUSEKEEPING PAD FOR CONDENSING UNIT AS INDICATED BY MANUFACTURER RECOMMENDATIONS.
- COORDMATE FOURPIENT POWER CONNECTION REQUIREMENTS AND ELECTRICAL CHARACTERISTICS WITH ELECTRICAL DRAWNESS AND CONNECTION REQUIREMENTS. COORDMATE VARATION IN ELECTRICAL CHARACTERISTICS FROM SOFTEDLED VALUES OWNESS TO ELECTRICAL CHARACTERISTICS FROM SOFTEDLED VALUES OWNESS TO ELECTRICAL CHARACTERISTICS OF VALUES AND ENFORMENT ELECTRICAL SOURCE OF SHALL BE SUBJECT TO APPROVAL, EARL THE TOTAL EXPENSE FOR REQUIRED REVISION TO THE ELECTRICAL SCOPE OF WORK CAUSED BY WARRIAND REVISION THE SCHEDULED REQUIREMENTS.
- EQUIPMENT SHORT CIRCUIT CURRENT RATINGS (SCCR) SHALL BE NOT LESS THAN THE INTERRUPTING RATING OF THE BRANCH CIRCUIT OVER CURRENT PROTECTIVE DEVICE SUPPLYING POWER TO THE EQUIPMENT. REFER TO ELECTRICAL SCHEDULES FOR BRANCH CIRCUIT OVER CURRENT DEVICE INTERRUPTING RATINGS.
- COORDINATE THE LOCATION OF WORK TO PROVIDE CLEARANCES WITH EXISTING LIGHTING FIXTURES AND OTHER CEILING MOUNTED DEVICES AS REQUIRED TO ALLOW FOR REMOVAL AND MAINTENANCE ACCESS.
  - PROVIDE SUPPORTS AND SEISMIC RESTRAINTS FOR PIPES, DUCTS, AND EQUIPMENT AS SPECIFIED, AS REQUIRED, AND AS
- 10 DO NOT CORE DRILL OR DRILL THROUGH BEAMS, COLLIMNS OR SHEAR WALLS
- PROVIDE PIPE SLEEVES AND PENETRATION SEALS AS REQUIRED FOR THE INSTALLATION OF PIPING SYSTEMS. REFER TO SPECIFICATIONS FOR REQUIREMENTS
- 12. COORDINATE THE LAYOUT OF EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES SO THAT IT FITS INTO THE SPACE CODEMNET HE LEVOLD OF EQUIPMENT, DICTIONER, PIPEL, AND APPURE MANUES SO THAT IT IT IS IN THE SPACE, ALD TETED PROVIDE SERVICE ACCESS AND AST CELEMENTS AS IN DICTION OF THE MANUFACTURES FOR THE SERVICE AND THE MANUFACTURES FOR THE SERVICE AND MATERIAN CORRESPONDED AND AND ANTI-CHIEF FOR THE SERVICE AND AND ANTI-CHIEF FOR THE SERVICE AND ANTI-CHIEF FOR AND APPRICIAMOUS WITH ALD CONTINUES TO AND DE LOCKING SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OF THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OF THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OF THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OF THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OF THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND COUNTRY THE SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTENCE OR REPLACEMENT ACCESS FOR NEW ACCESS.
- DRAWINGS ARE DIAGRAMMATIC AND SHOW APPROXIMATE LOCATIONS OF EQUIPMENT, DUCTWORK, PIPMIG, AND APPURIEMANCES DRAWINGS DO NOT SHOW REQUIRED TRANSITIONS, OFFERS, TRITINGS, AND DEVICES, REFER TO THE CERTILIS, DRAWINGS AND SEPECIALISTIONS FOR REQUIRED SYSTEM MATERIANNOSC, CONTINUE LOPICES, ETC. INSTALL ENLISES AN ACCIONANCE WITH DEVICE MANUFACITIERT RECOMMENDATIONS CHAPTLEY WAS TOTALT ELEMENTS OF CONSTRUCTION THAN COLOUR APPECT HE WORK OF DEPRETABLES OF MARRINGS. FOR MATERIALISTIC MARRINGS AND APPROXIMATION OF THE PROPRIET AND APPORT REQUIRED. BEAR THE TOTAL EXPENSE OF RE-WORK THAT IS CAUSED BY FAILURE TO COORDINATE.
- PROVIDE MAXIMUM HEADROOM AND CLEARANCE BELOW DUCTWORK, PPING AND EQUIPMENT AND ASSOCIATED SUPPORTS AND RESTRAINTS. UNLESS OTHERWISE INDICATED, INSTALL TIGHT TO STRUCTURAL SYSTEMS ABOVE. WHERE WALL MOUNTED, INSTALL AS CLOSE IT OWN LAS POSSIBLE, PROVIDE ADDITIONAL FITNISS AND OFFSTS AS REQUIRED.
- CAPACITIES. PROVIDE EQUIPMENT WHICH MEETS OR EXCEEDS THE SCHEDULED VALUES, MARK THE CONTRACT DRAWING EMPIRIENT SCHEDULES TO NIDICATE THE MANUFACTURER, MODEL AND CAPACITY OF THE ACTURAL APPROVED EQUIPMEN PROVIDED AND SUBMIT THIS INFORMATION WITH RECORD DRAWINGS AS PART OF PROJECT CLOSEOUT.
- TO ENHANCE THE CLARITY OF PLAN DRAWINGS, AND WHERE NOT NECESSARY TO DESCRIBE THE REQUIRED SIZE TO EXPANGE THE CHARMIT OF PLAN DRIVINNESS, AND WHERE NOT INCESSORY TO BESTORE THE REQUIRED SIZE.

  INDIVIDUAL SEGMENTS OF DUTC AND PIPE BETWEEN CONNECTIONS MAY BE SHOWN WITHOUT A SIZE INDICATED, WHERE

  SIZE IS NOT SHOWN ON PLANS, THAT SEGMENT SHALL BE THE SAME SIZE AS THE NEXT UPSTREAM SEGMENT WITH A SIZE

DRAWING LIST							
No.	SHEET TITLE						
M0.1	MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES						
M3.1	GROUND FLOOR HVAC PLAN						
M3.2	FIRST FLOOR HVAC PLAN						
M6.1	MECHANICAL SCHEDULES						
M7.1	MECHANICAL CONTROL						

108th A 1000 ue WA 9£ 8.6000 Suite Beller 425.6

REVISION DATE





CHARGING GENERAL ₩ X AND A

Ş ABBREVIATIONS, UPGRADES | CITY OF | IST STREET, BUILDING

10/17/2023 NONE AL NRB NRB

SCALE

ENGR

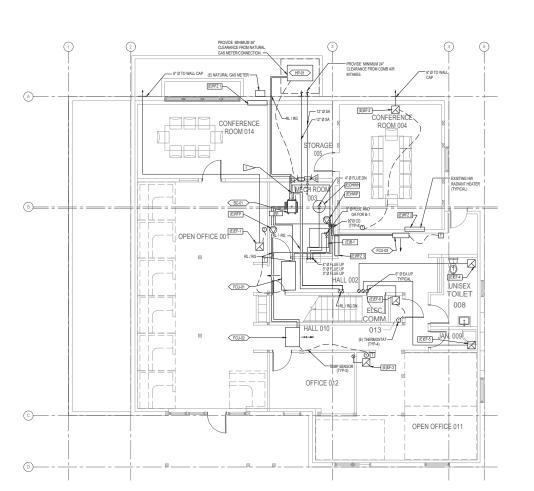
DRWN

CHKD

APPR

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23018 M-0.1



#### GENERAL NOTES:

- COORDINATE ALL SHUTDOWNS WITH OWNER PRIOR TO START OF WORK.
- PROVIDE NECESSARY CUTTING, PAINTING, PATCHING, ETC., TO FACILITATE MECHANICAL WORK.
- TAB WORK: PERFORM PRE-CONSTRUCTION TAB OF EXISTING EXHAUST FANS PER SPECIFICATIONS. PERFORM TAB AFTER ALL DUCTWORK HAS BEEN CLEANED PER SPECIFICATIONS.
- CLEAN ALL EXISTING DUCTWORK AND EXHAUST FANS PER SPECIFICATIONS.
- PROVIDE COMMISSIONING FOR NEW VRF SYSTEM PER SPECIFICATIONS.

#### SHEET NOTES

1 PROVIDE Y-BRANCH TO EACH REFRIGERATION LINE

ELECTRICAL NOT PLAN REVIEWED OR APPROVED. SEPARATE PERMIT REQUIRED

HOURS OF WORK: 7 AM to 8 PM Mon-Fri and 9 AM to 6 PM Sat. No work Sundays & holidays (per KZC 115.25). Exceptions must be approved in writing by Planning Official.

Approved construction plans on-site must be printed full size.

GROUND FLOOR HVAC PLAN

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

REVISION DATE

929 108th Ave I Suite 1000 Bellevue WA 980 425-628,6000 woodharbingera





ANNEX BULLDING UPGRADES FOR HYAC AND EV CHARGING CITY OF KIRKLAND 310 FIRST STREET, KIRKLAND, WA 98033 FLOOR HVAC PLAN

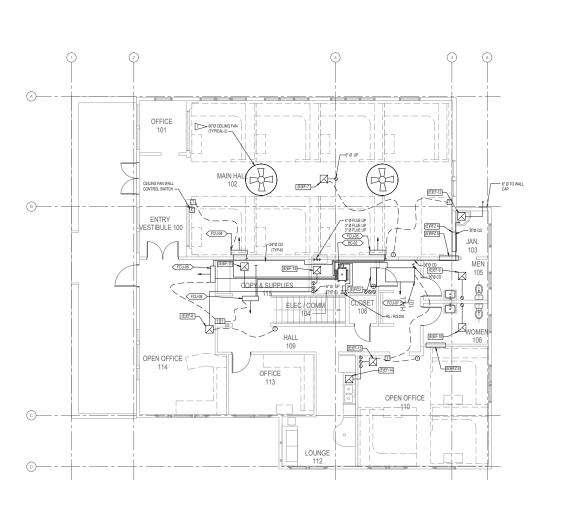
GROUND

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10/17/2023 SCALE 1/4"=1'-0" ENGR ML DRWN AL CHKD APPR NRB

> 23018 M - 3.1

MNR23-08469 APPROVED MECH PLANS -COK Annex HV.



FIRST FLOOR HVAC PLAN
SCALE: 1/4"=1"-0"

#### GENERAL NOTES:

- COORDINATE ALL SHUTDOWNS WITH OWNER PRIOR TO START OF WORK.
- PROVIDE NECESSARY CUTTING, PAINTING, PATCHING, ETC., TO FACILITATE MECHANICAL WORK.
- TAB WORK: PERFORM PRE-CONSTRUCTION TAB OF EXISTING EXHAUST FANS PER SPECIFICATIONS. PERFORM TAB AFTER ALL DUCTWORK HAS BEEN CLEANED PER SPECIFICATIONS.
- CLEAN ALL EXISTING DUCTWORK AND EXHAUST FANS PER SPECIFICATIONS.
- PROVIDE COMMISSIONING FOR NEW VRF SYSTEM PER SPECIFICATIONS.

#### SHEET NOTES

PROVIDE TWO CEILING FANS

HOURS OF WORK: 7 AM to 8 PM Mon-Fri and 9 AM to 6 PM Sat. No work Sundays & holidays (per KZC 115.25). Exceptions must be approved in writing by Planning Official.

Approved construction plans on-site must be printed full size.

ANNEX BUILDING UPGRADES FOR HYAC AND EV CHARGING
CITY OF KIRKLAND
310 FIRST STREET, KIRKLAND, WA 98033

FIRST FLOOR HVAC PLAN

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10/17/2023 1/4"=1'-0"

SCALE ENGR ML DRWN AL CHKD APPR NRB 23018

M-3.2

PERMIT DRAWING SET

MNR23-08469 APPROVED MECH PLANS -COK Annex HV.

REVISION DATE



ROOM D	ESIGN CRITERIA																	
					HVAC													
ROOM NO.	DOM NO. ROOM NAME AS	ADEA (CE)	HEIGHT	HEIGHT	RC	IOM TEMPERATU	RE	MINIMUM		OCCUPANCY	HEAT GAIN [BT	Uh/PERSON] [2]			RECEPTACLE LOAD	LIGHTING[3]	MAX NOISE DESIGN	
KOUM NO. KOUM NAME	AREA (SF)	CEILING	neioni	HEATING SETPOINT (F)	COOLING SETPOINT (F)	RELATIVE HUMIDITY [%]	EXHAUST CFMISF [ACH] [4]	FUME HOOD EXHAUST CFM	[PEOPLE] PEOPLE/ SF [2]	SENSIBLE	SENSIBLE LATENT	WORKSTATIONS COUNT	EQUIPMENT W/SQFT [W]	WISF [W]	W/SF [W]	CRITERIA [2] NC	NOTE	
GROUND FLOOR PLAN																		
001	OPEN OFFICE	815	7.75	8.66	70	75				[7]	250	200	7		0.5	0.66	45	
002	HALL	63	7.75	8.66	70	75	-	-	-	- :		-			0.25	0.84	45	
003	MECH ROOM	138	7.75	8.66	70	-	-					-		-	1	0.71		
004	CONFERENCE ROOM	385	7.75	8.66	70	75	-			[12]	250	200	1		0.5	0.66	35	
005	STORAGE	143	7.75	8.66	70	-	-	-	-	-			-		0.25	0.49	45	1
006	VESTIBULE	49	7.75	8.66	70	75	-	-	-		250	200	-			0.84	45	
007	HALL	184	7.75	8.66	70	75			-						0.25	0.84	45	1
008	UNISEX TOILET	89	7.75	8.66	70	75		75								0.74	45	1
009	JANITOR	31	7.75	8.66	70	-	-	75	-	[1]	250	200	1		0.25	0.51	45	1
010	HALL	85	7.75	8.66	70	75	-	-	-	-		-	-	-	0.25	0.84	45	1
011	OPEN OFFICE	453	7.75	8.66	70	75	-	-	-	[7]	250	200	7		0.5	0.66	45	1
012	OFFICE	151	7.75	8.66	70	75	-	-	-	[1]	250	200	1		0.5	0.66	35	1
013	ELEC / COMM	13	7.75	8.66	70	75	-	-	-	-	-	-	-	[xxx]	2	0.71		[6]
014	CONFERENCE ROOM	300	7.75	8.66	70	75	-	-	-	[8]	250	200	8	-	0.5	0.66	35	1
	FIRST FLOOR		•				•						•	•	•	•		
100	ENTRY VESTIBULE	138	9	13.00	70	75	-	-	-	-	250	200		-	-	0.84	45	
101	OFFICE	75	9	13.00	70	75	-	-	-	[1]	250	200	1	-	0.5	0.66	35	
102	MAIN HALL	832	9	13.00	70	75	-	-	-	[7]	250	200	7	-	0.5	0.66	45	
103	JANITOR	50	9	13.00	70	-	-	75	-	[1]	250	200	1	-	0.25	0.51	45	
104	ELEC/ COMM	64	9	13.00	70	75	-	-	-			-		[xxx]	2	0.71	-	[6]
105	MEN	79	9	13.00	70	75	-	75								0.74	45	
106	WOMEN	78	9	13.00	70	75	-	75	-				-			0.74	45	
107	HALL	103	9	13.00	70	75	-	-	-		-		-		0.25	0.84	45	
108	CLOSET	26	9	13.00	70	-	-	-	-		-		-		0.25	0.49	45	
109	HALL	108	9	13.00	70	75	-		-			-			0.25	0.84	45	
110	OPEN OFFICE	408	9	13.00	70	75	-			[3]	250	200	3	-	0.5	0.66	45	
112	LOUNGE	175	9	13.00	70	75	-	-	-	[4]	250	200	-		2	0.84	45	
113	OFFICE	137	9	13.00	70	75	-		-	[1]	250	200	1	-	0.5	0.66	35	
114	OPEN OFFICE	367	9	13.00	70	75	-		-	[3]	250	200	3	-	0.5	0.66	45	
115	COPY / SUPPLIES	95	9	13.00	70	75	-	75			250	200		-	1	0.56	45	
OTES.																		1 -

NOTES

[1] EQUIPMENT LOAD ON COORDINATION, \$550 W TYPICAL HEAT REJACTION FROM TRANSFORMERS X.3.
[2] ASRRAE APLICATIONS 2015 CHAPTER 48 TABLE 1
[3] ASRRAE 601 3.27 TABLE 51 52 1-1 SPACE 59 SPACE 1970...
[4] ASRRAE 601 3.27 TABLE 51 52 1-1 SPACE 59 SPACE 1970...
[5] 310 INTERNATIONAL MECHANICAL CODE WAS CHAPTER 51-52
[6] THESE ROOMS ARE EXISTING SPLIT AG SYSTEM

QUIPMENT NUMBER	FCU-01	FCU-02	FCU-03	FCU-04	FCU-05	FCU-06	FCU-07	FCU-08
DIRECTLY AREA SERVED	OPEN OFFICE-001	OPEN OFFICE-011	CONFERENCE-004	MAIN HALL-102	MAIN HALL-102	OPEN OFFICE-114	HALL-107	HALL-109
	CONFERENCE-014	HALL-010	VESTIBULE-006	OFFICE-101		VESTIBULE-100	OPEN OFFICE-110	OFFICE-11
	OFFICE-012	HALL-002	HALL-007				LOUNGE-112	COPY-115
OCATION	HALL	HALL	HALL	MAIN HALL	MAIN HALL	OPEN OFFICE	HALL	HALL
	002	010	002	102	102	114	107	109
YPE	CEILING	CEILING	WALL	WALL	WALL	WALL	CEILING	WALL
	SUSPENDED	SUSPENDED	MOUNTED	MOUNTED	MOUNTED	MOUNTED	SUSPENDED	MOUNTED
	OUGI ENDED	OUG ENDED	MOUNTED	MODITIED	MODITIES	mourico	OUGI ENDED	MODITIES
EFRIGERANT TYPE	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
AN								
AIRFLOW CFM	600	340	260	240	240	250	300	160
AIRFLOW RATE CFM	710-600	410-340	300-180	300-180	300-180	300-180	710-600	300-18
OOLING								
NOMINAL CAPACITY - TON	2.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0
NOMINAL CAPACITY - BTUH	24000	12000	12000	12000	12000	12000	24000	12000
TOTAL CAPACITY - BTUH	17000	8200	9200	7500	7500	11200	11200	3600
SENS CAPACITY - BTUH	5700	3000	2800	2450	2450	4100	4000	1200
EAT-DEG F DB	75	75	75	75	75	75	75	75
EAT-DEG F WB	67	67	67	67	67	67	67	67
LAT-DEG F DB	55	55.3	55.70	55.40	55.40	56.70	55.60	55.50
EATHA A								
NOMINAL CAPACITY - BTUH	27000	9000	13500	13500	13500	13500	13500	13500
CAPACITY - BTUH	15200	7600	8600	7600	7600	12800	12800	4300
EAT-DEG F DB	70	70	70	70	70	70	70	70
LAT-DEG F DB	88	88.1	88.5	88	88	88	88	88
PE CONNECTIONS								
LIQUID - IN	3/8	1/4	1/4	1/4	1/4	1/4	3/8	1/4
GAS - IN	5/8	1/2	1/2	1/2	1/2	1/2	5/8	1/2
CONDENSATE DRAIN - IN	1	1	2/3	2/3	2/3	2/3	1	2/3
LTER								
FILTER TYPE				RESIN NET WASHABLE				
THICKNESS - INCHES	1	1	1 1	NESIN NEI WASHABLE	1	1	1	1
ALLOWANCE FOR DIRTY FILTER -APROX HRS	200	200	200	200	200	200	200	200
DUND PRESSURE - dBA	44	42	31-38	31-38	31-38	31-38	44	31-38
VOLTS - PHASE - HERTZ	230-1-60	230-1-60	230-1-60	230-1-60	230-1-60	230-1-60	230-1-60	230-1-60
VOLIS - PHASE - HERIZ MCA	230-1-60	230-1-60	0.4	0.4	0.4	230-1-60	1.0	230-1-60
MCP MCP	15	15	15	15	15	15	15	15
ESIGN BASIS								
MAKE	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAJKIN	DAIKIN
MODEL	FXHQ-24MVJU	FXHQ-12MVJU	FXAQ12PVJU	FXAQ12PVJU	FXAQ12PVJU	FXAQ12PVJU	FXHQ-24MVJU	FXAQ12PVJ
MAX OPERATING WEIGHT-LBS	80	55	26.5	26.5	26.5	26.5	80	26.5

EQUIPMENT NUMBER	BC-01	BC-02
EQUIPMENT SERVED	HP-01	HP-01
AREA SERVED	GROUND LEVEL	LEVEL1
LOCATION		
PERFORMANCE		
HP-01 NOMINAL CAPACITY - TONS	8	8
HP-01 CAPACITY - MBH	75.6	75.6
INDOOR UNIT'S CAPACITY - MBH	34.5	40.8
NUMBER OF BRANCHES	8	8
REFRIGERANT	R-410A	R-410A
BRANCH PIPE CONNECTIONS		
LIQUID - IN	3/8	3/8
GAS - IN	5/8	5/8
DISCHARGE - IN	1/2	1/2
SOUND PRESSURE (DBA)		
ELECTRICAL		
VOLTS-PHASE-HERTZ	208-1-60	208-1-60
MCA	0.8	0.8
STANDARD OF ACCEPTANCE		
MAKE	DAIKIN	DAIKIN
MODEL	BSF8Q54TVJ	BSF8Q54TVJ
MAX. OPERATING WEIGHT-LBS	81.6	81.6

EQUIPMENT NUMBER	HP-01
EQUIPMENT SERVED	BC-01 / BC-02
AREA SERVED	BLDG
LOCATION	GROUND LEVEL
COMPRESSOR	
NOMINAL CAPACITY - TONS	8.0
TOTAL CAPACITY - MBH	100 COOL
TOTAL CAPACITY - MBH	100 HEAT
EER NON- DUCTED	15.8
IEER NON- DUCTED	27.8
COP47 NON- DUCTED	4.23
COP17 NON-DUCTED	2.63
TEST PROCEDURE	AHRI 1230
REFRIGERANT	
TYPE	R-410A
FACTORY CHARGE - LBS	25.79
MAX ADDITIONAL CHARGE - LBS	14.91
MAX TOTAL CHARGE - LBS	40.7
PIPE CONNECTIONS	
LIQUID - IN	3/8
GAS - IN	3/4
DISCHARGE - IN	5/8
SOUND PRESSURE (DBA)	61
ELECTRICAL	
VOLTS-PHASE-HERTZ	208/3/60
MCA	34.1
MOP	35
STANDARD OF ACCEPTANCE	
MAKE	DAIKIN
MODEL	REYQ96AATJA
MAX. OPERATING WEIGHT-LBS	725.3

REMARKS
[1] PROVIDE WITH MANUFACTURER'S COATING FOR MARINE ENVIRONMENTS.
[2] PROVIDE WITH LOW AMBIENT KIT.

PIPING MATERIAL SCHEDULE										
SERVICE	MATERIAL	WEIGHT	TYPE	FITTINGS	JOINING METHOD					
REFRIGERANT LIQUID (RL)	COPPER, ASTM B88	TYPE L	HARD DRAWN TUBE	WROUGHT COPPER, ANSI B16.22	SOLDER, THREADED ADAPTER WITH PTFE TAPE					
REFRIGERANT SUCTION (RS)	COPPER, ASTM B88	TYPE L	HARD DRAWN TUBE	WROUGHT COPPER, ANSI B16.22	SOLDER, THREADED ADAPTER WITH PTFE TAPE					
CONDENSATE DRAIN	PVC	SCH 40	TUBE	PVC	SOLVENT CONNECTIONS					

PERMIT DRAWING SET

REVISION

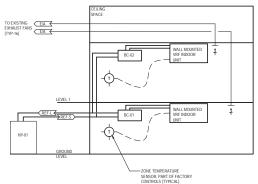




ANNEX BULDING UPGRADES FOR HVAC AND EV CHARGING
GITY OF KIRKLAND.
310 FIRST STREET, KIRKLAND, WA 98033
MECHANICAL SCHEDULES

DATE SCALE ENGR 10/17/2023 NONE ML DRWN AL APPR NRB 23018

M-6.1



VRF OUTDOOR CONDENSER AND INDOOR FAN COIL UNIT (TYPICAL FOR HP-01,

1) AND ACU-01 THROUGH 14) -CONTROL DIAGRAM SCALE NA

#### SEQUENCE OF OPERATION - VRF OUTDOOR CONDENSER AND INDOOR FAN COIL UNITS.

- 1. GENERAL: PROVIDE FACTORY CONTROLS FOR VWF SYSTEM. PROVIDE CAPABILITY TO EMBLE EXSABLE TO THE UNIT BASED ON A PROGRAMMABLE SOMEDLE. VERIFICATION ARE PROVIDED BY A SEPARALE EMAILST ARE SYSTEM WHICH IS NOT PART OF THE WIS SYSTEM VARY FACIOL UNITS SAULE. BOTOMEDICATE OF COCKEL WITH LOAD. AND EXISTING FOR VIMENTER REMONAT HEATING.
  2. MICRORION, CHARGE AND THE HOT WATER HEATING SYSTEM WILL PEFFORM MORNING, WARRIUP BASED ON EXISTING COOLL CONTROL. SYSTEM.
  3. OCCUPIED MODE: WAF FAN COLL UNIT SHALL USE FACTORY PACKAGED CONTROLS TO SATISFY ROOM TEMPERATURE.
  5. ETHOM, PROVIDE HEATING SYSTEM WILL PREFINENCE OF WATER HEATING. SYSTEM WILL PEFFORM FOR THOSE OF A SATISFY ROOM TEMPERATURE.
  5. ETHOM, PROVIDE HEATING SYSTEM WILL PREFINENCE OF WATER AND THE SYSTEM. THE STANDARD SYSTEM WILL PROVIDE AND THE SYSTEM.
  5. OCCUPIED MODE: WAF FAN COIL UNIT SHALL USE FACTORY FOR THE SYSTEM.
  5. OCCUPIED MODE: WAF FAN COIL UNIT SHALL USE FACTORY FOR THE SYSTEM.
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REVISION

DATE





ANNEX BUILDING UPGRADES FOR HYAC AND EV CHARGING CITY OF KIRKLAND 310 FIRST STREET, KIRKLAND, WA 98033

MECHANICAL CONTROL

Ħ

10/17/2023 SCALE NONE ENGR ML DRWN AL CHKD APPR NRB

> 23018 M - 7.1

## City of Kirkland

## 3941 REGISTERED ARCHITECT REGISTERED ARCHITECT SUSAN DIAN BOYLE STATE OF WASHINGTON BID SE'T'

# Kirkland City Hall Annex Renovation

BID DOCUMENTS - JOB No. 21-08-PW

## PROJECT TEAM

OWNER
City of Kirkland
David Snider, Capital Projects Supervisor
Erin J. Leonhart, Intergovernmental Relations Manager
(425) 587-3832 (David)
(425) 587-3009 (Erin)
123 Fifth Avenue
Kirkland, Washington 98033

ARCHITECT
BOLA Architecture + Planning
Susan Boyle, Principal
Matt Hamel, Project Architect
(206) 447-4749
(206) 447-6462 FAX
320 Terry Avenue North
Seattle, Washington 98109

CIVIL ENGINEER & LANDSCAPE ARCHITECT SVR Design Matt Suhadolnik, Project Manager, Landscape Architect Jennifer Lathrop, Landscape Architect (206) 223-0326 (206) 223-0125 FAX

STRUCTURAL ENGINEER
Swenson Say Faget
Dan Morrow, Principal
Lara Simmons, Associate Engineer
(206) 443-6212
(206) 443-4870 FAX
2124 Third Avenue, Suite 100
Seattle, Washington 98121

1205 Second Avenue, Suite 200

Seattle, Washington 98104

MECHANICAL ENGINEER
The Greenbusch Group
John Greenlaw, Principal
Jack Burgess, Mechanical Engineer II
(206) 378-0569
(206) 378-0641 FAX
1900 W. Nickerson, Suite 201
Seattle, Washington 98119

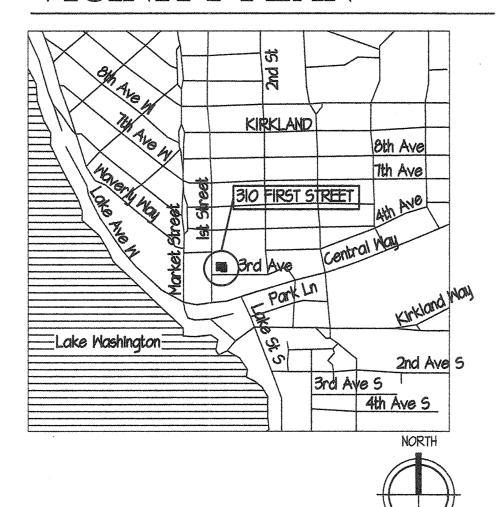
ELECTRICAL ENGINEER Sparling, Inc. Jim Redding, Associate (206) 667-0555 (206) 667-0554 FAX 720 Olive Way, Suite 1100 Seattle, Washington 98101

LIGHTING CONSULTANT Candela Mary Claire Frazier, Principal (206) 224-3635 (206) 667-0512 FAX 720 Olive Way, Suite 1400 Seattle, Washington 98101 Rushing Co. (Blackbird Consulting)
Katrina Morgan, Associate Principal
(206) 285-7100
(206) 285-7111 FAX
1725 Westlake Avenue North, Suite 105
Seattle, Washington 98109

COST ESTIMATOR
Matson - Carlson
Sandra Matson, Principal
(206) 447-9558
(509) 782-1427 FAX
100 Pioneer Ave
Cashmere, Washington 98815

LEED CONSULTANT

## VICINITY PLAN



## BUILDING CODE DATA

Applicable Codes

2006 IBC with Washington State Amendments 2006 WSEC - Component Performance - Climate Zone I 2006 WSBC Chapter 51-11 WAC 2006 International Fire Code

Occupancy Group: B
Construction Type: V-B
Ground Floor Area 3,000 GSF
First Floor Area 3,046 GSF (+ 527 SF COVERED PORCH)
Total Floor Area: 6,573 GSF

The building will not be sprinklered.

## PROJECT DESCRIPTION

The project is for the remodel of the existing two-story Kirkland City Hall Annex to serve as City office space. The scope will upgrade structural, mechanical, electrical and lighting systems, and include site improvements. The project is a demonstration project for the City, combining preservation and sustainability goals, and it anticipates a LEED-EB Silver Certification.

## ALTERNATES

ALT. A: Additive Alternate: Provide landscaping at areas as indicated (1) Restore plant beds at west with new landscaping; (2) Provide soaker hose irrigation system for west plantings; (3) Provide bark mulch at northeast sequoia bed and north light well area; and

ALT. B: Additive Alternate: Enlarge the existing concrete light well on the north side as indicated.

Additive Alternate: Replace front entry stairs and railings at ramp and porch, and provide grading with retaining walls. The scope of this alternate includes the following elements as indicated:

(I) Remove existing wood railings at west porch, west stair and north ramp, and replace with new metal and wood railings;

(2) Remove existing timber retaining walls and plantings;

(3) Raise existing grade west of the existing porch and provide new retaining walls;

(4) Remove and replace concrete stairs at west;

(4) Remove and replace concrete stairs at west;
(5) Provide allowance for two wood benches at porch;
LT. D: Additive Alternate: Reroof with composition roofing over new building paper, including roof vents, gutters and downspouts, and repair two roof returns at west facade, as indicated. Replace fascia and strip vent screening as indicated. Delete A35 clips from below at roof diaphragm; replace with top nailing at existing plywood sheathing.

T. E: Additive Alternate: Provide new wood-framed sun shade trellis and metal awnings at windows on south facade as indicated (Provide additional wood and steel framing in walls for awnings in base bid)

T. F: Additive Alternate: Remove and replace existing wood siding to

LT. F: Additive Alternate: Remove and replace existing wood siding to match existing, and wood trim at south elevation as indicated.

## PROJECT INFORMATION

Building 3 Address: 1

310 First Street Kirkland, Washington 98033

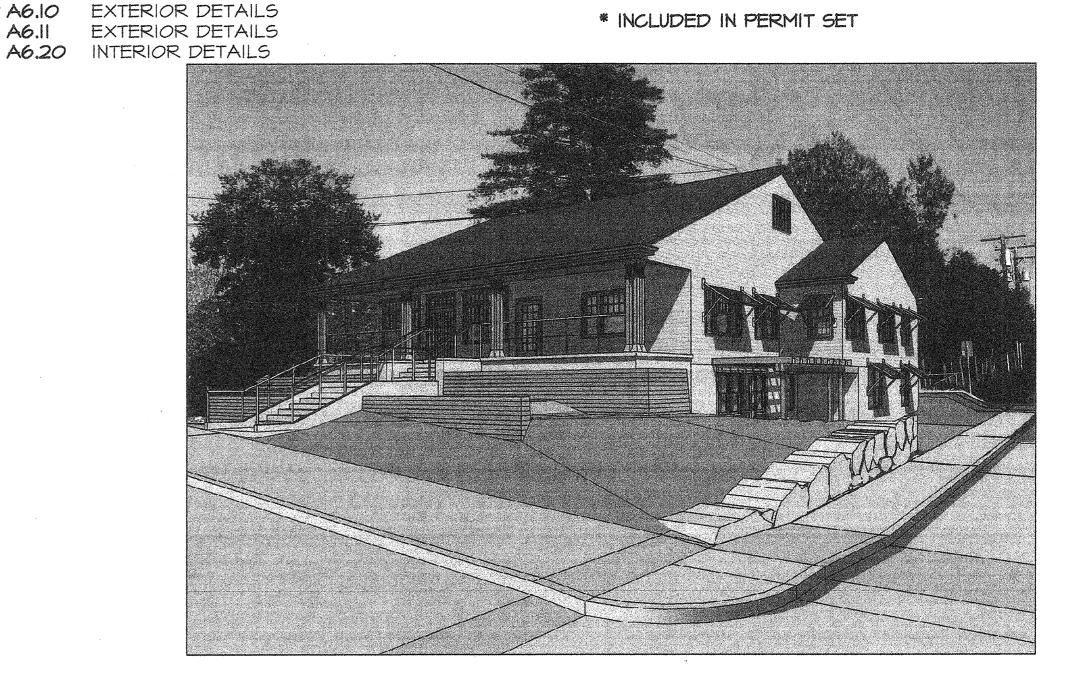
King County Parcel #: 3885808550

Legal Description:

Lots 4, 5, 6, 7 and 8, Block 209, Map of Kirkland, King County, Washington, according to the plat thereof recorded in Volume 6 of Plats, pages 53 to 67, inclusive, in King County, Washington.

## INDEX OF DRAWINGS

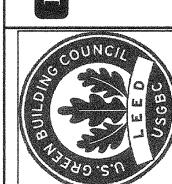
* GI.00 * GI.01	TITLE, INDEX, VICINITY PLAN AND NOTES GENERAL NOTES, ABBREVIATIONS & CAMPUS PLAN		ROOM FINISH SCHEDULE WINDOW SCHEDULE AND TYPES WINDOW DETAILS	
* CI.O * C2.O * LI.O L2.O	GRADING, PAVING AND UTILITY PLAN CIVIL DETAILS LANDSCAPE RESTORATION PLAN LANDSCAPE DETAILS	A7.12 * A7.20 A7.21		
* DI.00	DEMO ARCHITECTURAL SITE PLAN DEMO GROUND FLOOR PLAN DEMO FIRST FLOOR PLAN DEMO EXTERIOR ELEVATIONS DEMO EXTERIOR ELEVATIONS DEMO BUILDING SECTIONS DEMO BUILDING SECTION	* 5!.! * 52.! * 52.2 * 52.3 * 53.! * 53.2 * MO.!	GENERAL STRUCTURAL NOTES FOUNDATION PLAN FIRST FLOOR FRAMING PLAN ROOF FRAMING PLAN STRUCTURAL DETAILS STRUCTURAL DETAILS LEGEND, ABBREVIATIONS, GENERAL	at years for the second state designation of the second second second second second second second second second
* Al.00 * A2.00 * A2.01 * A2.02 * A2.20 A2.30 * A2.40 * A2.41 * A3.00	ARCHITECTURAL SITE PLAN AND DETAILS GROUND FLOOR PLAN FIRST FLOOR PLAN ROOF PLAN ENLARGED FLOOR PLANS FLOOR FINISH PLANS GROUND FLOOR REFLECTED CEILING PLAN FIRST FLOOR REFLECTED CEILING PLAN EXTERIOR ELEVATIONS EXTERIOR ELEVATIONS	* MO.2 MO.3 * MI.0 * MI.1 * M2.1 * M2.1 * M3.2 * M3.1 * M4.1	NOTES AND DRAWING INDEX SCHEDULES GROUND/FIRST FLOOR DEMOLITION PLANS FOUNDATION PLAN GROUND FLOOR PLUMBING PLAN FIRST FLOOR PLUMBING PLAN GROUND FLOOR PIPING PLAN FIRST FLOOR PIPING PLAN GROUND FLOOR HVAC PLAN FIRST FLOOR HVAC PLAN DETAILS	Gransseer alebrataki ekkatol eksatolasperojenje eks
* A4.01	BUILDING SECTIONS BUILDING SECTION WALL SECTIONS WALL SECTIONS INTERIOR ELEVATIONS CONSTRUCTION ASSEMBLIES	* E0.00 E1.00 * E2.00 * E2.01 * E3.00 * E3.01 * E4.00 * E4.01 * E8.01	SYMBOLS AND ABBREVIATIONS GROUND FLOOR ELECTRICAL DEMO PLAN FIRST FLOOR ELECTRICAL DEMO PLAN GROUND FLOOR POWER PLAN FIRST FLOOR POWER PLAN GROUND FLOOR LIGHTING PLAN FIRST FLOOR LIGHTING PLAN GROUND FLOOR SYSTEMS PLAN FIRST FLOOR SYSTEMS PLAN POWER ONE LINE DIAGRAM	





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Kirkland City Hall Annex
Rehabilitation
City of Kirkland

Revisions:

Scale: NONE Date: 07.30.08

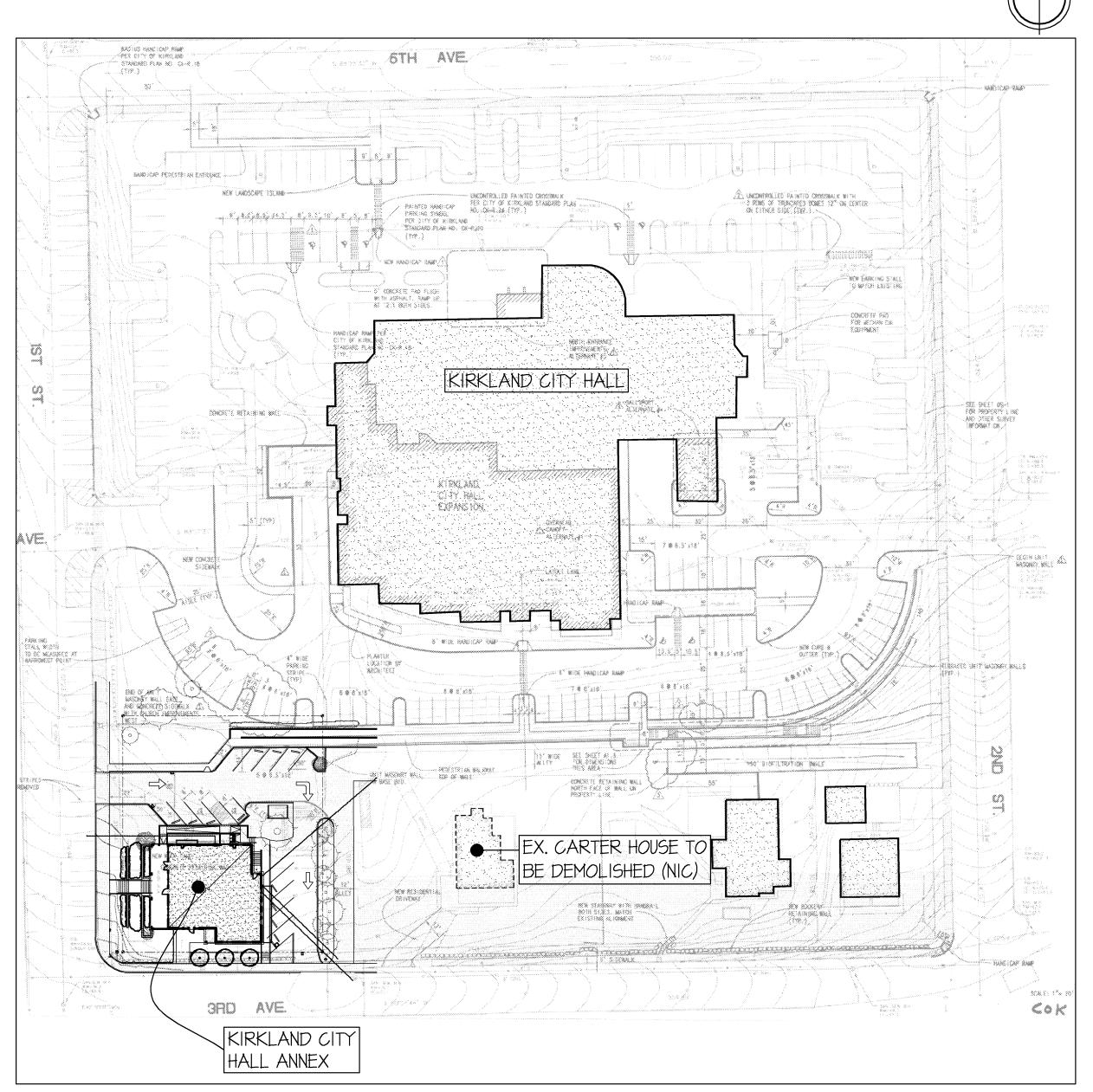
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Title, Index, Vicinity Plan and Notes

## **ABBREVIATIONS**

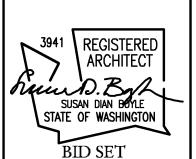
-			
AD	AREA DRAIN	NIC	NOT IN CONTRACT
AFF	ABOVE FINISH FLOOR	0/	OVER
ALT.	ALTERNATE	O.C.	ON CENTER
ALUM	ALUMINUM	0/5	OUTSIDE
B.O.	BOTTOM OF	OPP.	OPPOSITE
CAB	CABINET	PLC5	PLACES
CLG	CEILING	PLYWD	PLYWOOD .
CONC	CONCRETE	PT	PRESSURE TREATED
CONT.	CONTINUOUS	PTD	PAINTED
COORD.	COORDINATE	RB	RUBBER BASE
DISP.	DISPENSER	RFMC	RADIANT FLOOR MANIFOLD
D.S.	DOWNSPOUT		CABINET (SEE MECH)
EP.	ELECTRICAL PANEL	RFR.	REFRIGERATOR
EX.	EXISTING	SD	STORM DRAIN
EXT.	EXTERIOR	SF	SQUARE FEET
FCO	FLOOR CLEAN OUT - SEE MECH	S.G.	SAFETY GLASS
FD	FLOOR DRAIN	SIM	SIMILAR
FDN	FOUNDATION	T <b>&amp;</b> 6	TONGUE & GROOVE
FE	FIRE EXTINGUISHER	TYP. OR (TYP)	TYPICAL
FOIC	FURNISHED BY OWNER,	UNO	UNLESS NOTED OTHERWISE
	INSTALLED BY CONTRACTOR	U/C	UNDER CABINET
FRP	FIBERGLASS REINFORCED PLASTIC	U/S	UNDERSIDE
FTR	FIN TUBE RADIATOR - SEE MECH	VER	VERIFY
GWB	GYPSUM WALL BOARD	W	MITH
HB	HOSE BIBB - SEE MECH	WO .	WITHOUT
INT.	INTERIOR	MD	<b>MOOD</b>
MAX	MAXIMUM	WR	WATER RESISTANT
MIN	MINIMUM	@	AT

## CITY HALL CAMPUS PLAN SCALE: 1:500



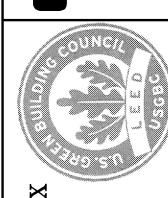
## GENERAL NOTES

- I. The Contractor shall visit the site, review the drawings and project manual, and become thoroughly familiar with the site conditions. Resolve any changes, omissions or plan discrepancies prior to bidding or construction.
- 2. The Contractor shall verify all dimensions, conditions, etc. pertaining to the work before proceeding. The Architect shall be notified of any variations from the dimensions and/or conditions shown on these drawings or any discrepancies in site conditions. Any such variation shall be resolved by the Architect prior to the Contractor proceeding with the work, or the Contractor shall accept full responsibility for cost to rectify same.
- 3. The Contractor shall coordinate scheduling and meetings with other activities to avoid conflicts and to ensure orderly progress of the work. Notify the Owner in writing two weeks in advance of any anticipated utility interruptions or proposed street closures, and coordinate such activities with the Owner.
- 4. The Contractor is to coordinate with the Owner for the provision of fire protection at the construction site. This will include providing and maintaining fire extinguishers in working condition and of adequate capacity to extinguish fire of the combustible material on the job site, with a current inspection certificate attached to each extinguisher.
- 5. All known asbestos containing materials (ACM) have been removed from the building under prior contract. If a material is uncovered that is a suspected hazardous material, the Contractor shall halt work and contact Architect immediately.
- 6. The Contractor is responsible for providing all protection necessary to preserve and maintain the building, grounds, landscaping and adjacent buildings and materials, vehicles on the site or adjacent property or the public right-of-way, and assure the safety of the public during the work. Provide a tree protection plan as indicated. Provide and maintain necessary signage, barricades, and lighting as required to safely restrict access to the site.
- 7. The Contractor is responsible for the complete removal of items noted for demolition and their lawful disposal.
- 8. The Contractor shall minimize dust and off-gassing, and the negative impacts of construction noise and traffic from deliveries to and removal from the site. All solvents and other materials introduced during construction shall comply with local, state, and federal environmental regulations.
- 9. The Contractor shall confine operations and storage to the work area indicated on the drawings. Keep the work area, Contractor's dumpster area, and the building clean and orderly. Maintain dupmsters and material containers in appropriate locations.
- 10. In the event of demolition or removal of items or materials not scheduled to be demolished, such items shall be replaced in kind to the approval of the Architect, and at no additional cost to the Owner. Replacement elements are to match the pre-existing in material, size, form, color, dimension, profile, appearance and operation.
- II. Do not scale drawings. Written dimensions on these drawings shall have precedence over apparent or scaled dimensions. Larger scale drawings shall have precedence over smaller scale drawings. Written specifications shall have precedence over drawing notes.
- 12. Each sub-contractor shall be responsible for the joining of their work to the work of other trades. The General Contractor shall coordinate the sub-contractors' work, and coordinate work with he Owner's vendor or contractors as indicated.
- 13. All dimensions on drawings are to the face of studs, the face of concrete, and centerline of door openings unless otherwise noted. All wood framing members are noted by nominal dimension on the drawings; all trim by actual dimension if noted with inches; and nominal if noted without inch symbol. Verify and field measure all window and door dimensions prior to fabrication.
- 14. Repetitive features not noted on the drawings shall be completely provided as if drawn in full. Drawings indicate general and typical details of construction. Where conditions are not specifically indicated, but are similar in character to details shown, similar details of construction shall be used, subject to review and approval by the Architect and Owner.
- 15. Architectural background plans on structural, mechanical, and electrical drawings are for the sole purpose of illustrating general plan configuration. Such background shall not be used for portions of the work other than that pertaining to the title of each sheet. Refer to the appropriate sheet for each specific portion of the work. Refer to architectural drawings for openings, architectural requirements, and dimensions.
- 16. Partitions shall run full height to structure above unless specifically shown or noted otherwise. Fire-rated partitions shall be fire-stopped at structure with the fire rating maintained to the structure above the partition as required. Maintain the integrity of the fire-ratings for floors, walls, ceilings, and structure when penetrated by mechanical ductwork and electrical installations. The Contractor making penetration is responsible for corrections required by the Architect. Fire block at 10'-0" intervals (vertical) in walls.
- 17. The General Contractor shall provide blocking as required for mechanical and electrical equipment; verify locations and sizes of openings required by other trades; furnish same complete with bucks and required lintels; and verify location and size of access doors, duct furning, curbs, anchors, inserts, and machine bases with the appropriate sub-contractors and/or Contractors. Fire block all plumbing penetrations.
- 18. The Contractor shall place no mains, piping, conduit or obstructions of any kind so as to impair given ceiling heights and clearances. Frame duct openings in walls so that the opening shall allow not more than 1/2 inch clearance between frame and duct.
- 19. All cabinetry designations are intended to convey design intent, and are subject to submittal review and approval. It is the responsibility of the cabinet supplier to ensure proper installation while maintaining the architectural design intent.
- 20. The Contractor shall restore and repair all existing walls, floors, ceilings or other surfaces to remain that are damaged during the work. Protect all doors, windows, frames, exterior corners, flooring, and finishes scheduled to remain from damage during construction.
- 21. The Contractor shall retain one set of the plans on site at all times, to note and document all changes during construction. This set shall be a part of the close-out documents.
- 22. The Contractor alone shall be responsible for workers' safety and all trench systems shall meet the requirements of Washington Industrial Safety and Health Act, Chapter 49.17 RCW.
- 23. A building permit has been obtained and paid for by the Owner for the work. The Contractor is responsible for submitting for and obtaining permits for plumbing, mechanical, and electrical systems prior to installation of such sustems.



ENUE N. SEATTLE WA 98109

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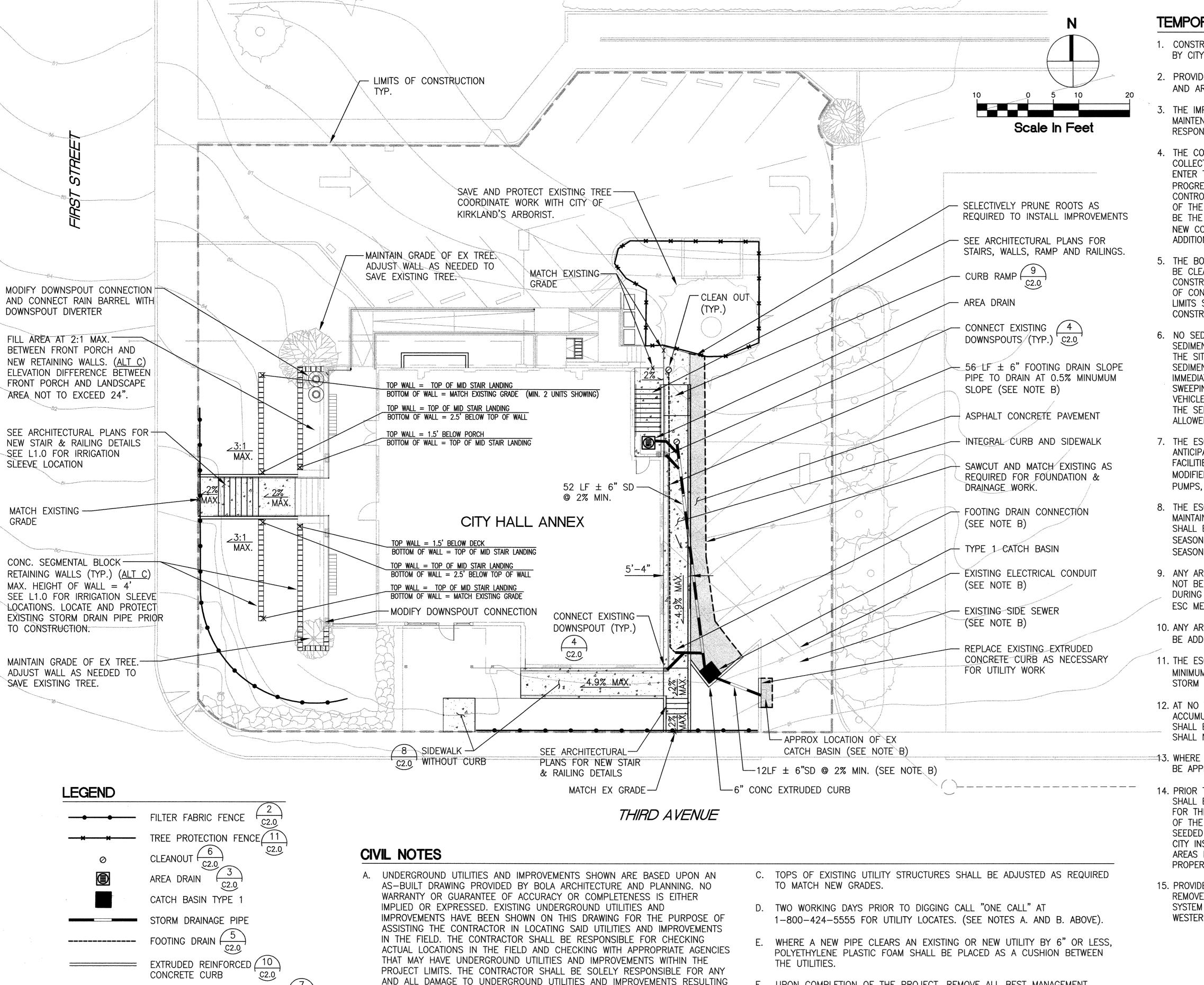
Kirkland City Hall Annex
Rehabilitation
City of Kirkland
310 First Street

Revisions:

Scale: NONE Date: 07.30.08

General Notes,

General Notes,
Abbreviations, and
Campus Plan



FROM HIS OPERATIONS.

B. CONTRACTOR TO VERIFY BY POTHOLING PRIOR TO DEMOLITION WHETHER

EXIST WITH PROPOSED STORM SYSTEM IMPROVEMENTS.

SLOPES SHOWN ARE FEASIBLE. CONTRACTOR SHALL ALSO VERIFY LOCATION

OF SANITARY SEWER AND ELECTRICAL CONDUITS AND DETERMINE IF CONFLICTS

ASPHALT CONCRETE PAVEMENT

INTEGRAL CURB AND SIDEWALK

DIRECTION OF SLOPE

(8)

F. UPON COMPLETION OF THE PROJECT, REMOVE ALL BEST MANAGEMENT

PRACTICES AND RESTORE ALL DISTRUBED AREAS.

#### TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

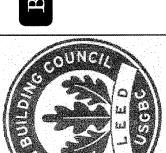
- CONSTRUCTION EROSION CONTROL MEASURES MUST BE IN PLACE AND APPROVED BY CITY PRIOR TO ANY EARTH DISTURBANCE.
- 2. PROVIDE INLET PROTECTION AT ALL PROPOSED AND EXISTING CATCH BASINS AND AREA DRAINS. (SEE C2.0 DETAIL 1)
- 3. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE. REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- 4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL OR PUBLIC DRAINAGE SYSTEM. AS CONSTRUCTION PROGRESSES AND UNEXPECTED (SEASONAL) CONDITIONS DICTATE, MORE SILTATION CONTROL FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL OF THE PROJECT. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS/HER ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.
- 5. THE BOUNDARIES OF THE LIMITS OF CONSTRUCTION SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED BY A CONTINUOUS LENGTH OF FENCE PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO REVISION TO THE LIMITS OF CONSTRUCTION SHALL BE PERMITTED WITHOUT PRIOR APPROVAL. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- 6. NO SEDIMENT SHALL BE TRACKED INTO THE STREET OR ONTO PAVED SURFACES. SEDIMENT SHALL BE REMOVED FROM TRUCKS AND EQUIPMENT PRIOR TO LEAVING THE SITE IN THE EVENT OF FAILURE OF EROSION CONTROL SYSTEM RESULTING IN SEDIMENT BEING TRACKED ONTO PAVED SURFACES, THE CONTRACTOR SHALL IMMEDIATELY IMPLEMENT MEASURES TO CORRECT THE SITUATION, AND STREET SWEEPING SHALL BE EMPLOYED ON AN EMERGENCY BASIS. IF STREET SWEEPING VEHICLES ARE UTILIZED THEY SHALL BE OF THE TYPE THAT ACTUALLY REMOVES THE SEDIMENT FROM THE PAVEMENT. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR CITY APPROVAL.
- 7. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL SUMP PUMPS. RELOCATION OF INTERCEPTOR DITCHES AND FILTER FABRIC FENCES, ETC.)
- 8. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES DURING THE WET SEASON (OCT. 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPT. 30).
- 9. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
- 10. ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
- 11. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN FORTY-EIGHT (48) HOURS FOLLOWING A STORM EVENT.
- 12. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PROJECT COMPLETION. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- 43. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2 TO 3 INCHES.
- 14. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE CITY INSPECTOR. THE CITY INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS AND STREAMS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.
- 15. PROVIDE SEDIMENT TRAPS, SEDIMENT POND OR BAKER TANKS AS REQUIRED TO REMOVE SEDIMENT FROM SURFACE RUNOFF PRIOR TO ENTERING THE STORM DRAIN! SYSTEM IN ACCORDANCE WITH THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, WASHINGTON DEPT. OF ECOLOGY.

QA/QC REVIEWER

BID SET

2 8 M P A . suite N WA WA 3226 DES | G 1205 SECOI SEATTLE, V T 206.223.03 F 206.223.01 www.svrde



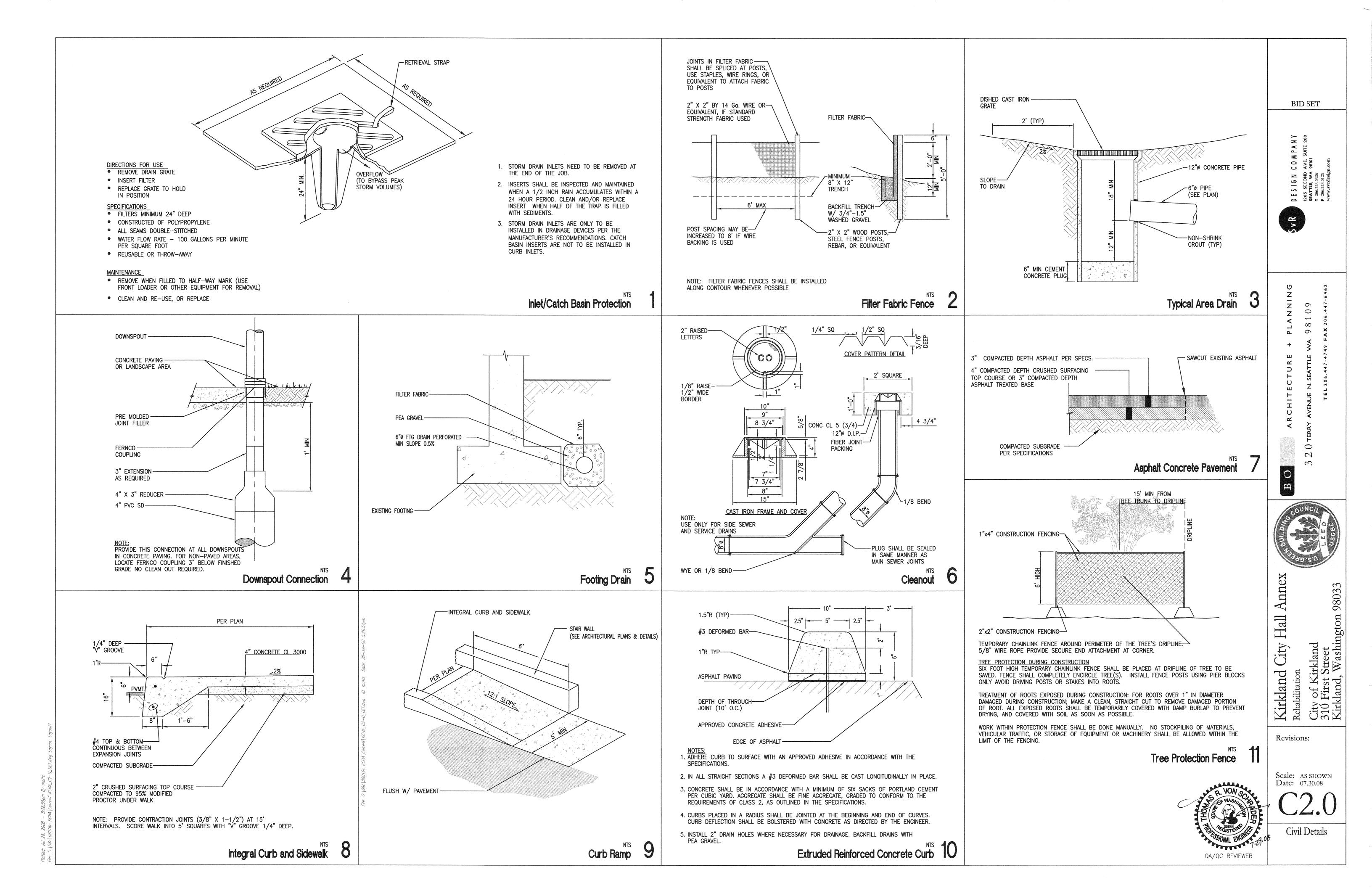


Annex Hall land City 310] Kirk

Revisions:

Scale: AS SHOWN Date: 07.30.08

Grading, Paving and Utility Plan



BID SET

Annex Hall Kirkland City | Rehabilitation

Revisions:

Scale: AS SHOWN Date: 07.30.08 STATE OF WASHINGTON

MASHINGTON
REGISTERED
LANDSCAPE ARCHITECT

MARGARET ROSE STAEHELI
CERTIFICATE NO. 456 Landscape Restoration Plan

ox/oc Peviewer

Scale In Feet PLANT SCHEDULE

SYMBOL	BOTANICAL NAME/COMMON NAME	SIZE	SPACING	QTY.	COMMENTS	DETAIL RE
SMALL STREET	TREE (BASE BID)					
	CRATAEGUS CRUS-GALLI VAR. INERMIS/ THORNLESS CORKSPUR HAWTHORN INSTALL WITH TREE WATERING BAG	3" CAL.	AS SHOWN	3	SINGLE STEM 6' CLEARANCE UNIFORM BRANCHING	1/L2.0
FORMAL EVERGE	REEN SHRUBS (ALT A)					
<b>(+)</b>	CHAMAECYPARIS OBTUSA 'NANA GRACILIS'/ DWARF HINOKI FALSE CYPRESS	4'HT. MIN.	AS SHOWN	2		2/L2.0
$\odot$	ILEX CRENATA 'HELLERI'/ JAPANESE HOLLY	3 GAL. CONT.	2' O.C.	22		2/L2.0
	RHAPHIOLEPIS INDICA 'ELEANOR TABER'/INDIAN HAWTHORN	5 GAL. CONT.	2.5' O.C.	10		2/L2.0
ACCENT SHRUBS	S (ALT A)					
$\odot$	LAVANDULA STOECHAS 'HAZEL'/ SPANISH LAVENDER	1 GAL. CONT.	2' O.C.	16		3/L2.0
	CISTUS X HYBRIDUS/ ORCHID ROSE	3 GAL. CONT	3' O.C.	7		2/L2.0
	AZALEA X 'KLONDYKE'/ KLONDYKE AZALEA	21-24", B&B	AS SHOWN	1		2/L2.0
+	CEANOTHUS 'PUDGET BLUE'/ CALIFORNIA LILAC	3 GAL. CONT.	3.5' O.C.	6		2/L2.0
ORNAMENTAL GF	RASSES (ALT A)					
	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'/ FEATHER REED GRASS	2 GAL. CONT.	3' O.C.	8		2/L2.0
MICOELLANEOUS						

#### **MISCELLANEOUS**

FINE LAWN HYDROSEEDING (BASE BID)



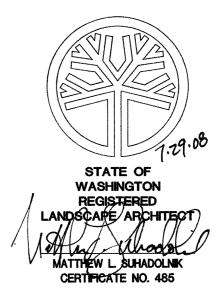
MEDIUM BARK MULCH (ALT A)

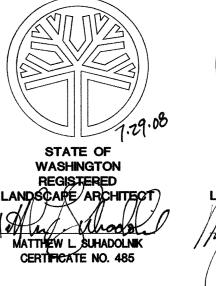


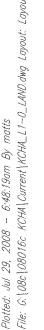
ANNUALS & PERENNIALS (BY OWNER)

### LANDSCAPE NOTES

- PROTECT EXISTING TREES TO REMAIN. (BASE BID)
- PREPARE RENOVATED LANDSCAPE AREAS BY TILLING SUBGRADE TO AN 8 INCH DEPTH. REMOVE DEBRIS AND COBBLES OVER 1 INCH IN DIAMETER. PLACE 4 INCHES OF TOPSOIL AND TILL TO A DEPTH OF 8 INCHES. IN WEST PLANTER AREAS WHERE PROPOSED GRADE IS ABOVE EXISTING GRADE FILL PLANTERS WITH A MINIMUM OF 8" TOPSOIL. (ALT A)
- 3. FINE GRADE TO PROPOSED GRADES. (ALT A)
- 4. PLACE 2 INCHES OF MEDIUM GRADE BARK MULCH IN ALL PLANTING BEDS AND WHERE SHOWN ON PLAN. (ALT A)







4" SLEEVE (ALT A)

\_LIMITS OF CONSTRUCTION

-SAVE AND PROTECT

TRANSPLANTED LOCATION OF EX. DECIDUOUS AZALEA (ALT A)

(ALT C - SEE SHT. C1.0)

-BENCH (TYP.) (ALT C)

SEE ARCH. PLAN

-SAVE AND PROTECT

- 4" SLEEVE (ALT A)

EXISTING TREE

-PROPOSED CONCRETE SEGMENTAL BLOCK RETAINING WALL (TYP.)

EXISTING TREE

NEW MULCH (TYP.) -(ALT\_A)

CITY HALL ANNEX

-STREET TREES (TYP)

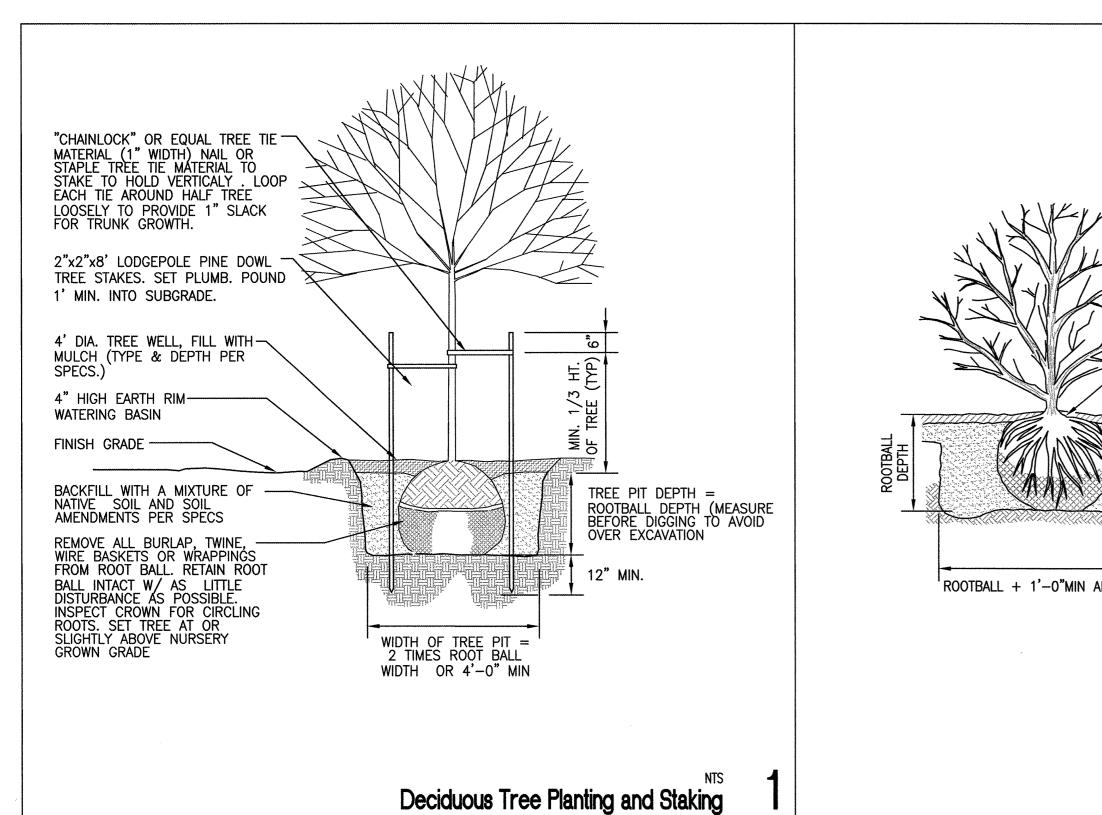
(BASE BID)

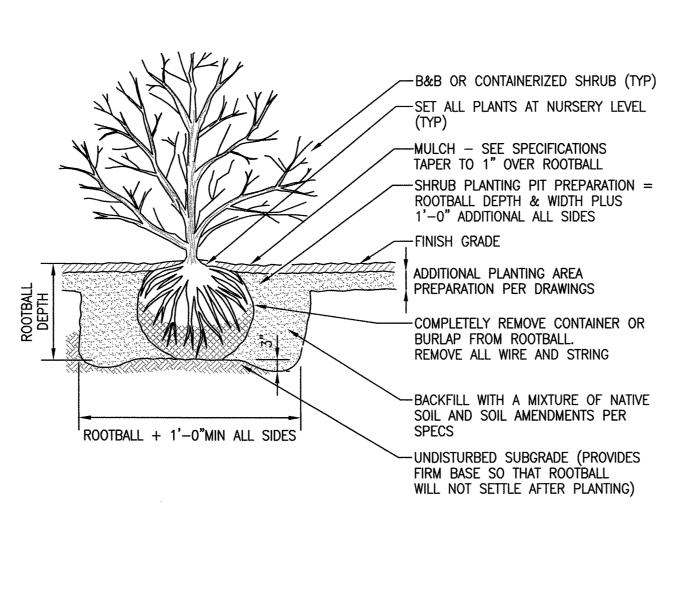
THIRD AVENUE

RESTORE DISTURBED LAWN AREAS (TYP.)

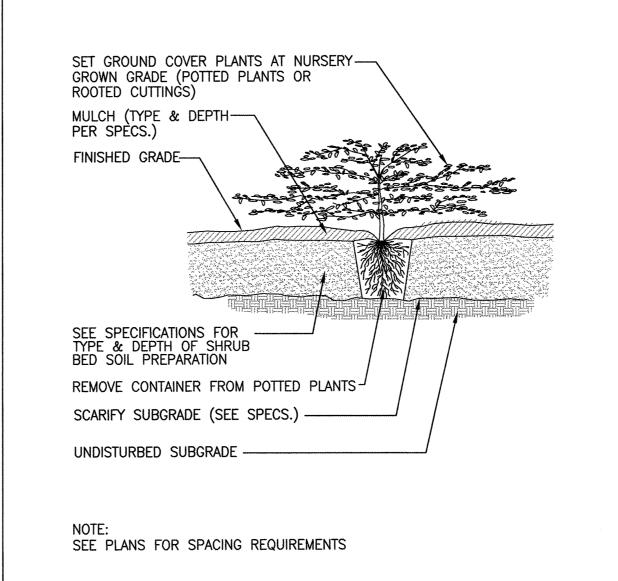
TREE PROTECTION FENCE 11 C2.0

SAVE AND PROTECT EXISTING TREES (TYP.)

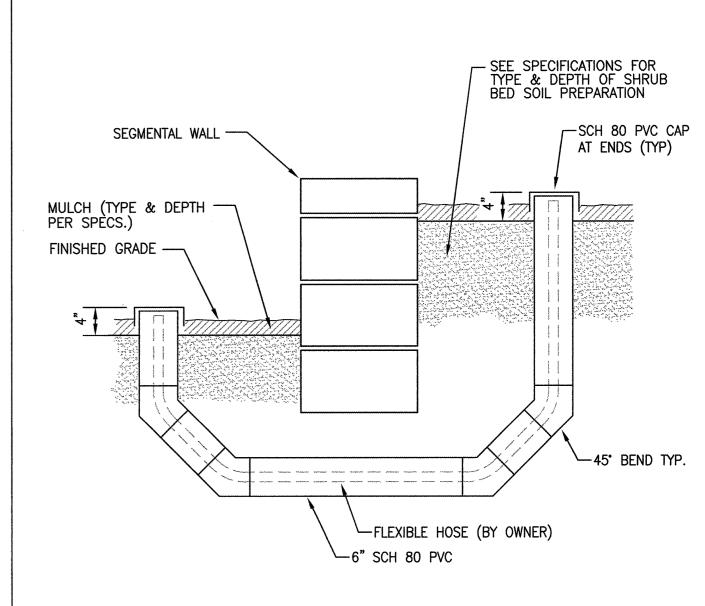




Shrub Planting 2



Groundcover Planting 3



Irrigation Sleeve at Segmental Concrete Walls

0

SVR

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Annex Kirkland City Hall / Rehabilitation

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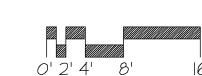
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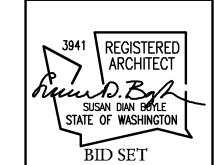
Landscape Details

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT WASHINGTON MASHINGTON
REGISTERED
LANDSCAPE, ARCHITECT
MARGABET ROSE/STAEHELI
CERTIFICATE NO. 456

QA/QC\_REVIEWER MATTHEW L. SUHADOLNIK CERTIFICATE NO. 485







TERRY AVENUE N. SEATTLE WA 98109

m Section 1

Sity Hall Annex

Kirkland City Harbilitation
City of Kirkland
310 First Street
Kirkland, Washingto

Revisions:

Scale: 1"=10'-0" Date: 07.30.08

> Demo Architectural Site Plan

Demo Architectural Site Plan

ot-375\_5P00

Scale: I" = 10'-0"

## DEMO NOTES

A REMOVE EX. WOOD FRAME WALL

REMOVE EX. DOOR AND FRAME

REMOVE EX. WINDOW AND FRAME

A REMOVE EX. PLUMBING FIXTURE - SEE MECH

 $\frac{74}{5}$  REMOVE EX. PLUMBING FIXTURE - SEE ME

REMOVE EX. WOOD WALL FINISH. FRAMING TO REMAIN

A REMOVE EX. RUBBER BASE

REMOVE/SALVAGE EX. INTERIOR WINDOW TRIM FOR REINSTALLATION

REMOVE/SALVAGE EX. WOOD BASE TRIM FOR REINSTALLATION

REMOVE PLASTER & LATH WALL FINISH FROM EXT. WALL.

FRAMING TO REMAIN

REMOVE EX. GWB WALL FINISH. FRAMING TO REMAIN

REMOVE EX. CEILING FINISH. FRAMING TO REMAIN
REMOVE EX. WOOD-FRAMED DROPPED CEILING

REMOVE EX. TILE FLOOR FINISH

REMOVE EX. TILE WAINSCOT

16 REMOVE EX. RADIATOR

REMOVE EX. CARPET

NENOYE EX. CARIET

REMOVE EX. CABINETRY OR SHELVING

REMOVE EX. WOOD FRAME BALCONY AND RAILING

<u>ÁA</u> REMOVE EX. CONCRETE STAIR AND RETAINING WALLS

/21\ REMOVE EX. WOOD RAILING AND POST BASES

PRUNE EX. VEGETATION AS REQUIRED FOR NEW STAIR

23 REMOVE EX. MECH EQUIPMENT

REMOVE EX. SIDING AND FRAMING FOR NEW OPENING

REMOVE EX. EXT. SIDING & TRIM FOR REPLACEMENT

20 REMOVE EX. BRICK CHIMNEY

REMOVE EX. RAISED WOOD FLOOR; VER. CONDITION OF SLAB BELOW

28 REMOVE EX. APPLIANCES

REMOVE EX. CONC PATH AND RAMP

REMOVE EX. METAL PIPE RAIL

/31\ REMOVE EX. FINISH AND FURRING

REMOVE EX. ASPHALT COMPOSITION ROOFING AND BLDG PAPER.

AREMOVE EX. GUTTERS AND DOWNSPOUTS, TYP

REMOVE EX. TIMBER LANDSCAPE WALLS

SAWCUT AND REMOVE PORTION OF EX. CONC SLAB - SEE STRUCT AND MECH FOR EXTENTS

REMOVE EX. FASCIA AND EXPOSED INSECT SCREEN

LEGEND

EX. ELEMENT TO REMAIN

EX. FINISH TO BE REMOVED

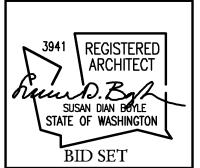
EX. ELEMENT TO BE REMOVED

EZZZ EX. ELEMENT TO BE REMOVE

EX. CONC. TO BE REMOVED

EX. RAISED FLOOR TO BE REMOVED

0' | ' 2' 4'



TERRY AVENUE N. SEATTLE WA 98109

Annex

Kirkland City Hall Rehabilitation
City of Kirkland
310 First Street
Kirkland Washington 9

Revisions:

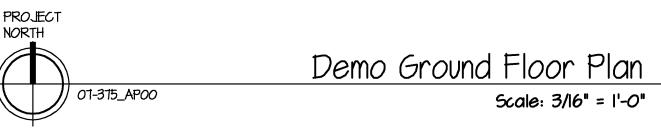
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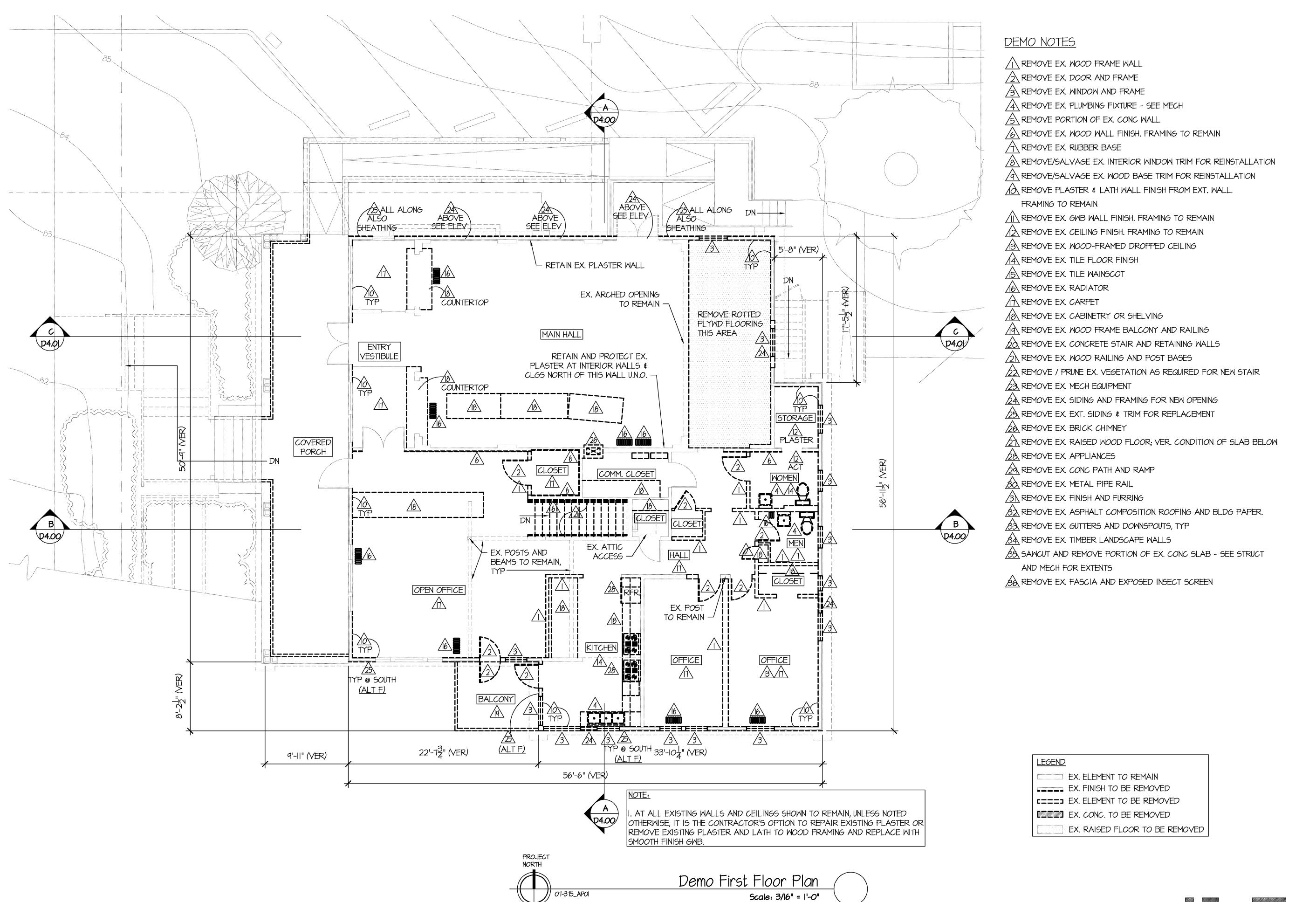
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Demo Ground Floor Plan

NOTE:

I. AT ALL EXISTING WALLS AND CEILINGS SHOWN TO REMAIN, UNLESS NOTED OTHERWISE, IT IS THE CONTRACTOR'S OPTION TO REPAIR EXISTING PLASTER OR REMOVE EXISTING PLASTER AND LATH TO WOOD FRAMING AND REPLACE WITH SMOOTH FINISH GWB.





3941 REGISTERED ARCHITECT SUSAN DIAN BOYLE
STATE OF WASHINGTON BID SET

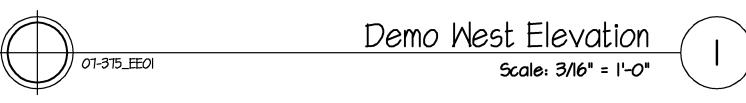
Annex Hall Kirkland City ] Rehabilitation

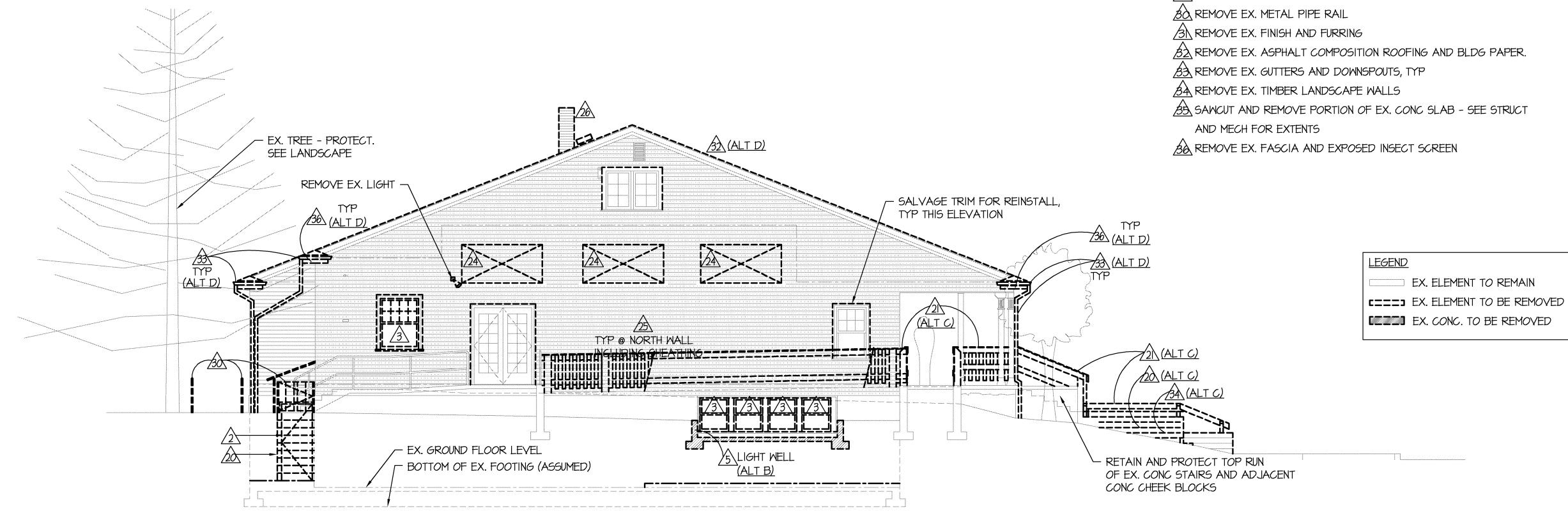
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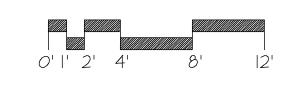
Demo First Floor Plan

0' 1' 2' 4'





Demo North Elevation Scale: 3/16" = 1'-0"





DEMO NOTES

/ REMOVE EX. WOOD FRAME WALL

REMOVE EX. DOOR AND FRAME

REMOVE EX. WINDOW AND FRAME

REMOVE EX. RUBBER BASE

FRAMING TO REMAIN

14 REMOVE EX. TILE FLOOR FINISH

23. REMOVE EX. MECH EQUIPMENT

2A REMOVE EX. BRICK CHIMNEY

29 REMOVE EX. CONC PATH AND RAMP

28 REMOVE EX. APPLIANCES

REMOVE EX. CABINETRY OR SHELVING

15 REMOVE EX. TILE WAINSCOT

REMOVE EX. RADIATOR

REMOVE EX. CARPET

/5\ REMOVE PORTION OF EX. CONC WALL

A REMOVE EX. PLUMBING FIXTURE - SEE MECH

REMOVE EX. WOOD WALL FINISH. FRAMING TO REMAIN

/8\ REMOVE/SALVAGE EX. INTERIOR WINDOW TRIM FOR REINSTALLATION

A REMOVE/SALVAGE EX. WOOD BASE TRIM FOR REINSTALLATION

REMOVE PLASTER & LATH WALL FINISH FROM EXT. WALL.

/II\ REMOVE EX. GWB WALL FINISH. FRAMING TO REMAIN

REMOVE EX. CEILING FINISH. FRAMING TO REMAIN

19 REMOVE EX. WOOD FRAME BALCONY AND RAILING

/21 REMOVE EX. WOOD RAILING AND POST BASES

AD REMOVE EX. CONCRETE STAIR AND RETAINING WALLS

夕文 REMOVE EX. SIDING AND FRAMING FOR NEW OPENING

夕 REMOVE EX. EXT. SIDING & TRIM FOR REPLACEMENT

A REMOVE / PRUNE EX. VEGETATION AS REQUIRED FOR NEW STAIR

/27 REMOVE EX. RAISED WOOD FLOOR; VER. CONDITION OF SLAB BELOW

/3\ REMOVE EX. WOOD-FRAMED DROPPED CEILING

BID SET

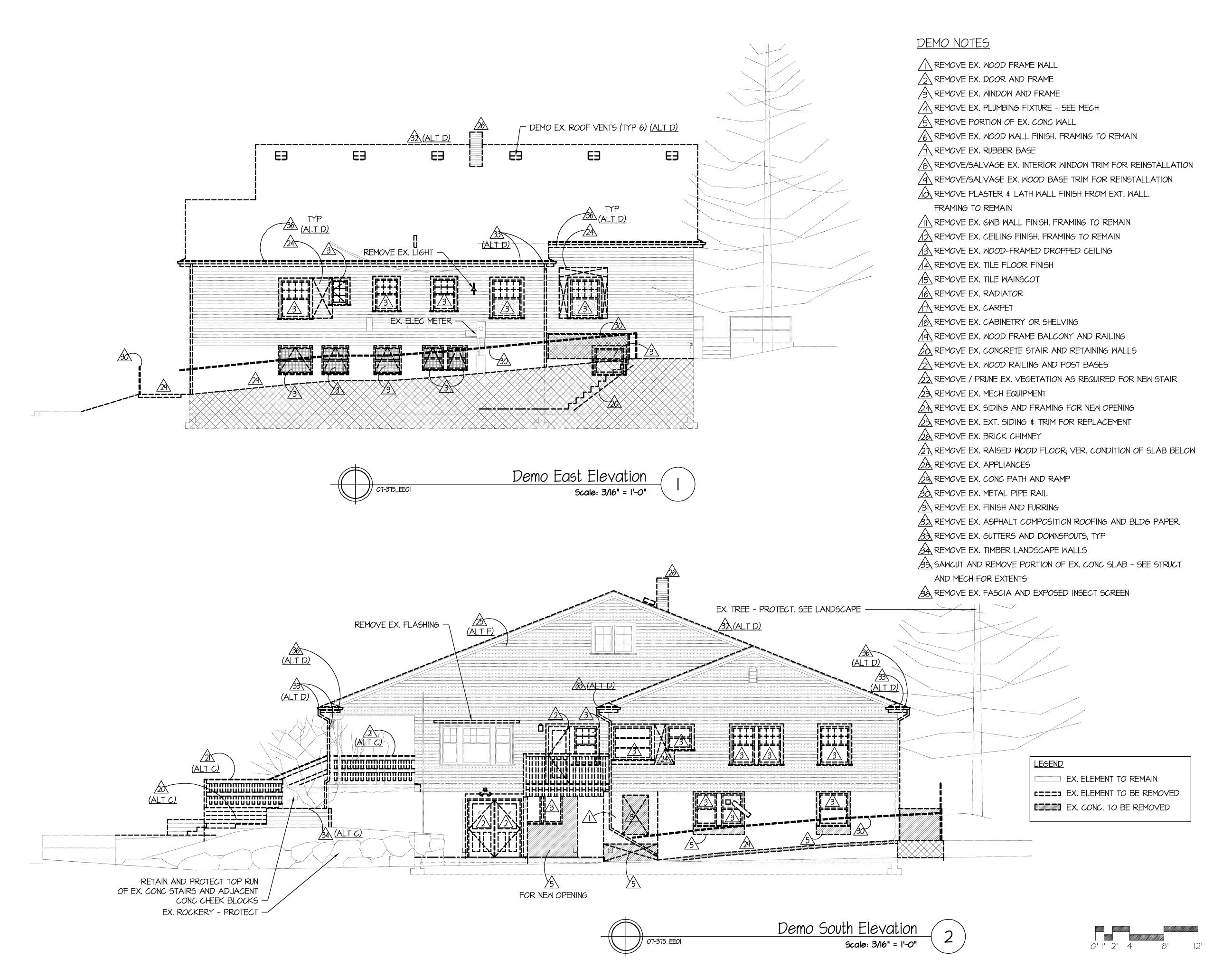
Annex

Hall Kirkland City Rehabilitation

Revisions:

Scale: 3/16"=1'-0" Date: 07.30.08

Demo Exterior Elevations



3941 REGISTERED ARCHITECT

SUSAN DIAN BOYLE STATE OF WASHINGTON

BID SE'T'

AVENUE N. SEATTLE WA 98109

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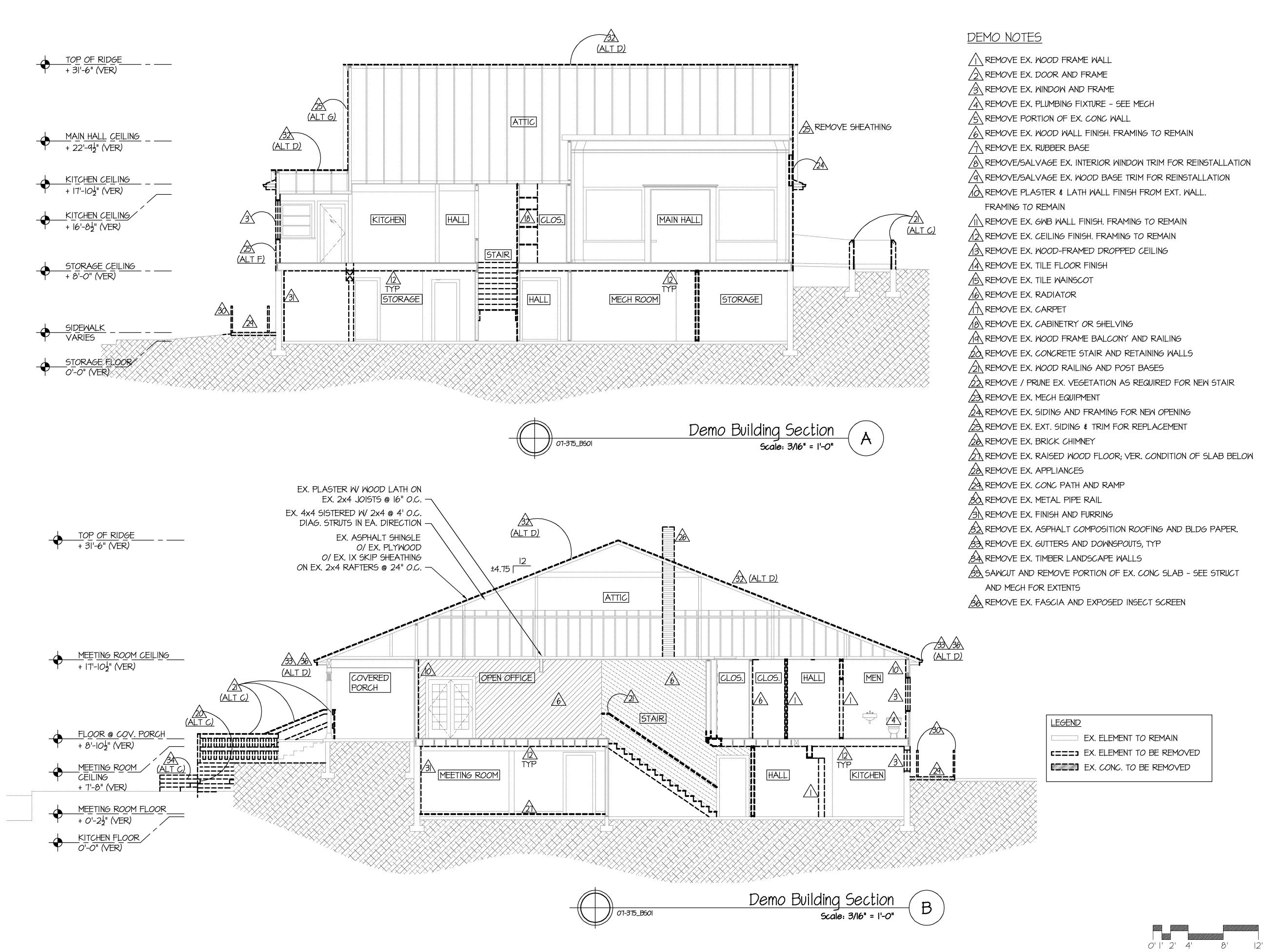
Kirkland City Hall Annex
Rehabilitation
City of Kirkland

Revisions:

Scale: 3/16"=1'-0" Date: 07.30.08

D3.0

Demo Exterior Elevations



3941 REGISTERED ARCHITECT

SUSAN DIAN BOYLE STATE OF WASHINGTON

BID SE'T'

TLE WA 98109

ARCHITEC 320 TERRY AVENUE N.

Hall Annex

Kirkland City Hall A Rehabilitation
City of Kirkland
310 First Street

Revisions:

Scale: 3/16"=1'-0" Date: 07.30.08

D4.0

Demo Building Sections

### DEMO NOTES

REMOVE EX. WOOD FRAME WALL

/> REMOVE EX. DOOR AND FRAME

/3\ REMOVE EX. WINDOW AND FRAME

4 REMOVE EX. PLUMBING FIXTURE - SEE MECH

/5\ REMOVE PORTION OF EX. CONC WALL

6 REMOVE EX. WOOD WALL FINISH. FRAMING TO REMAIN

/7\ REMOVE EX. RUBBER BASE

/8\ REMOVE/SALVAGE EX. INTERIOR WINDOW TRIM FOR REINSTALLATION

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REMOVE EX. CONCRETE STAIR AND RETAINING WALLS

REMOVE EX. WOOD RAILING AND POST BASES

REMOVE / PRUNE EX. VEGETATION AS REQUIRED FOR NEW STAIR

AREMOVE EX. MECH EQUIPMENT

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REMOVE EX. EXT. SIDING & TRIM FOR REPLACEMENT

REMOVE EX. BRICK CHIMNEY

REMOVE EX. RAISED WOOD FLOOR; VER. CONDITION OF SLAB BELOW

REMOVE EX. APPLIANCES

REMOVE EX. CONC PATH AND RAMP

REMOVE EX. METAL PIPE RAIL

REMOVE EX. FINISH AND FURRING

REMOVE EX. ASPHALT COMPOSITION ROOFING AND BLDG PAPER.

REMOVE EX. GUTTERS AND DOWNSPOUTS, TYP

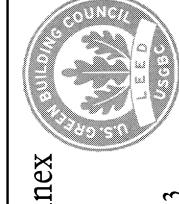
REMOVE EX. TIMBER LANDSCAPE WALLS

SAWCUT AND REMOVE PORTION OF EX. CONC SLAB - SEE STRUCT

AND MECH FOR EXTENTS REMOVE EX. FASCIA AND EXPOSED INSECT SCREEN

3941 REGISTERED ARCHITECT SUSAN DIAN BOYLE STATE OF WASHINGTON

BID SET

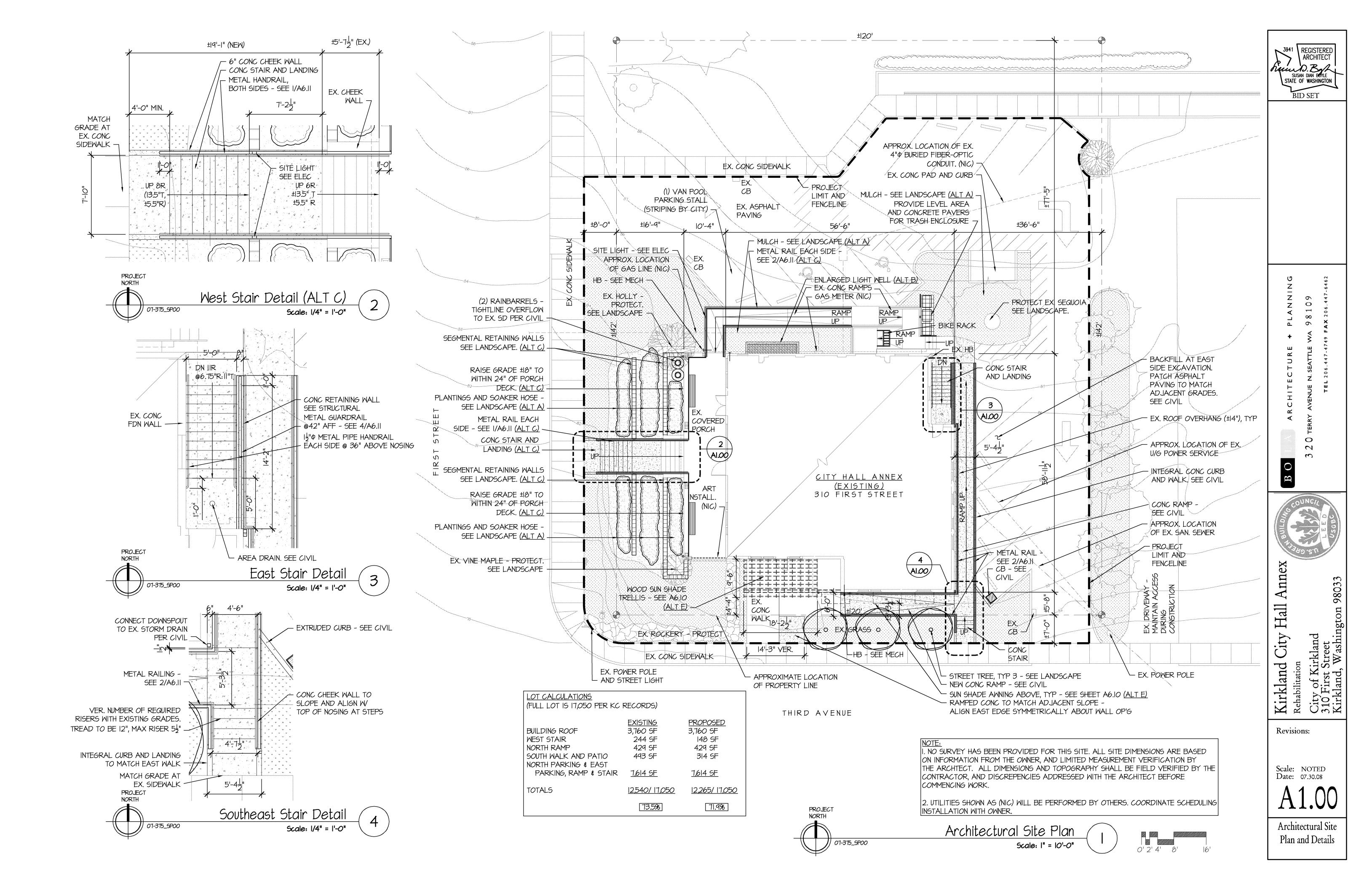


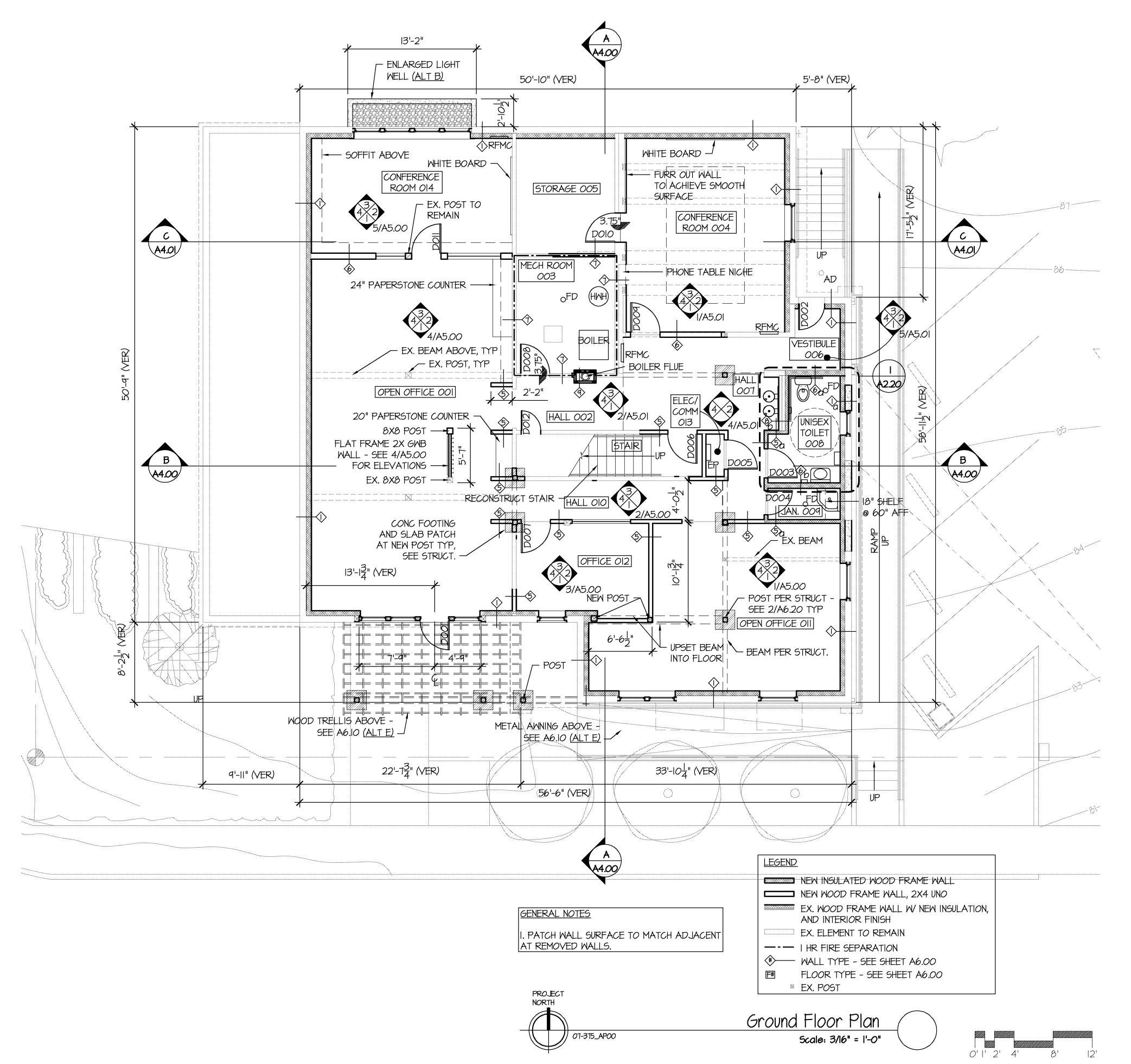
Kirkland City Hall Annex Rehabilitation

Revisions:

Scale: 3/16"=1'-0" Date: 07.30.08

Demo **Building Sections** 





REGISTERED ARCHITECT

SUSAN DIAN BOYLE STATE OF WASHINGTON

BID SE'T'

ARCHITECTURE + PLANNING
OTERRY AVENUE N. SEATTLE WA 98109
TEL 206.447-4749 FAX 206.447-646

Hall Annex

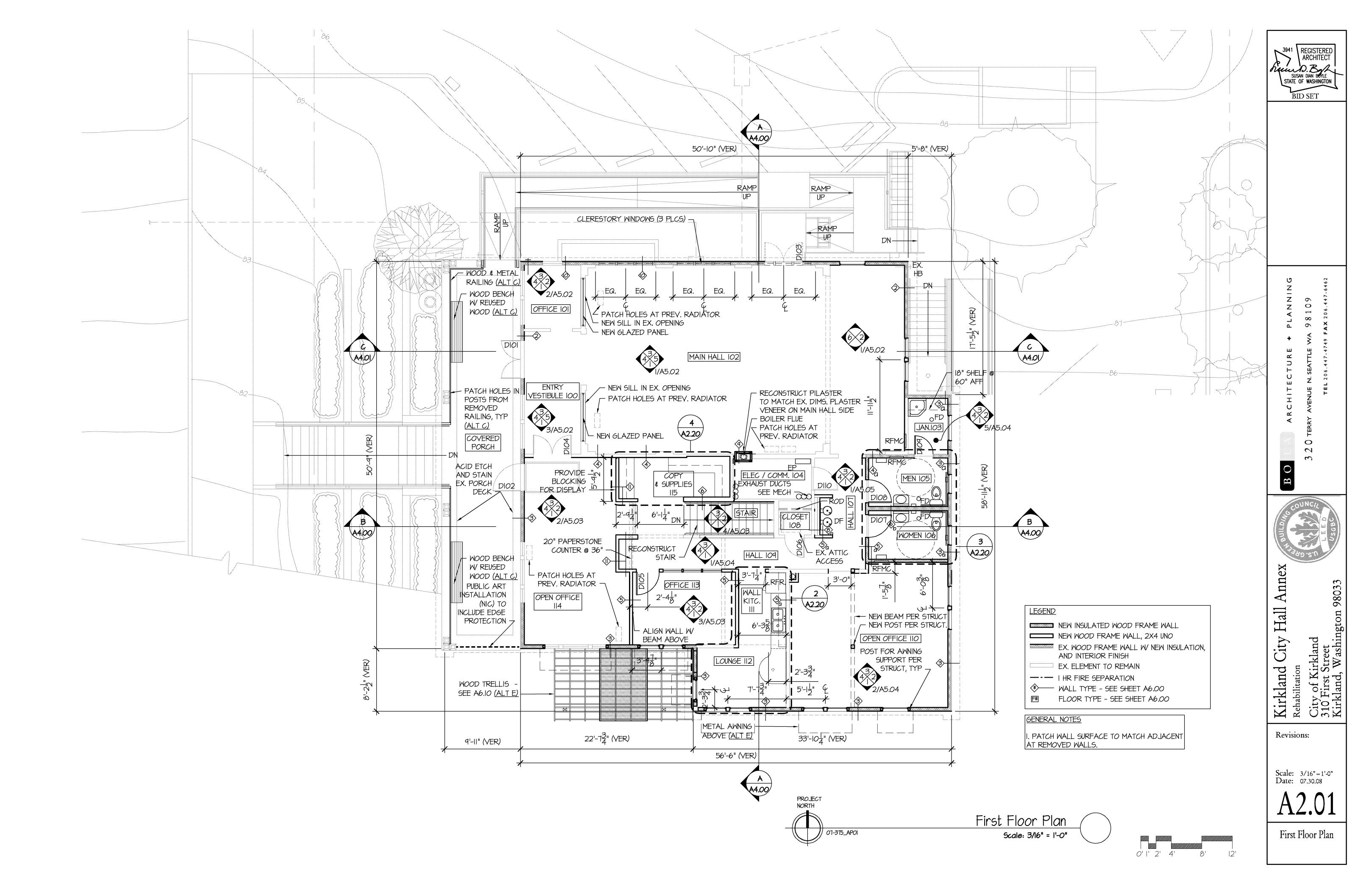
Kirkland City Hall A
Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washington 98

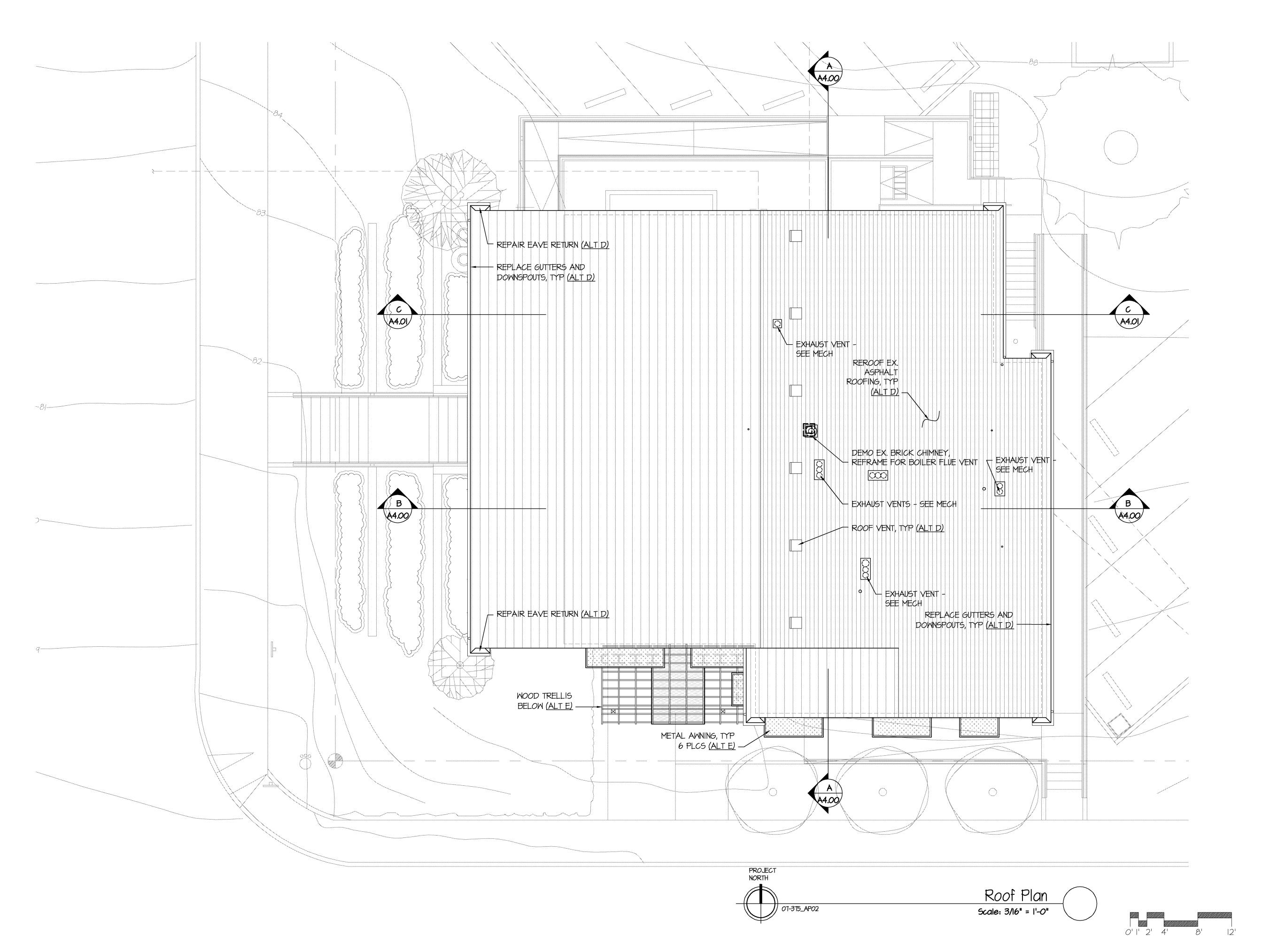
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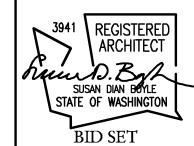
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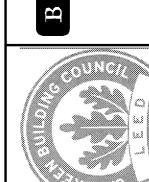
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Ground Floor Plan







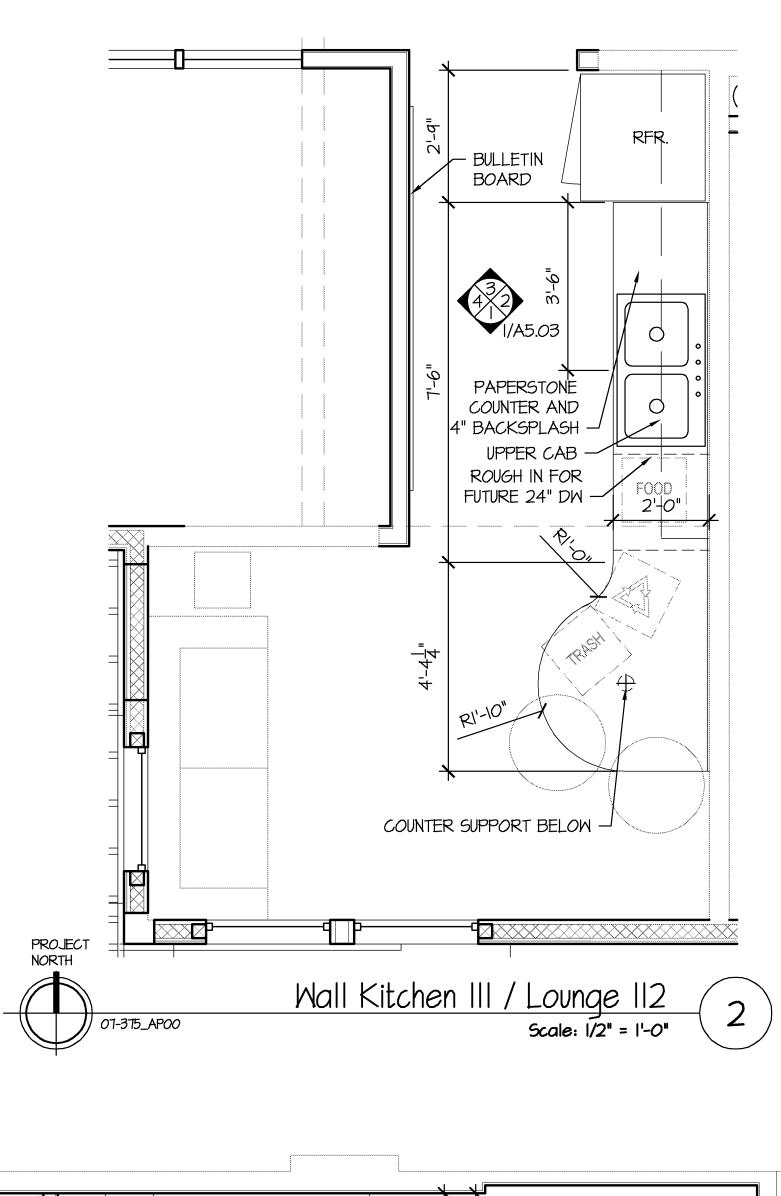


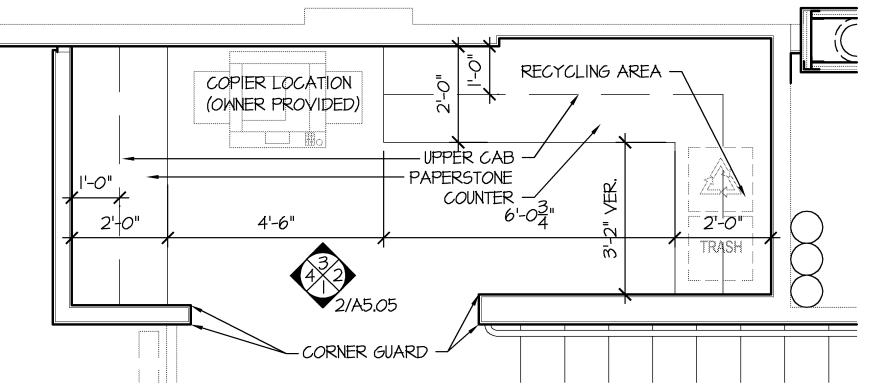
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Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washington 98033

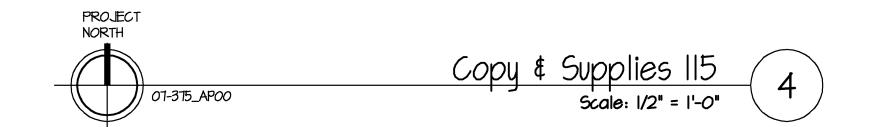
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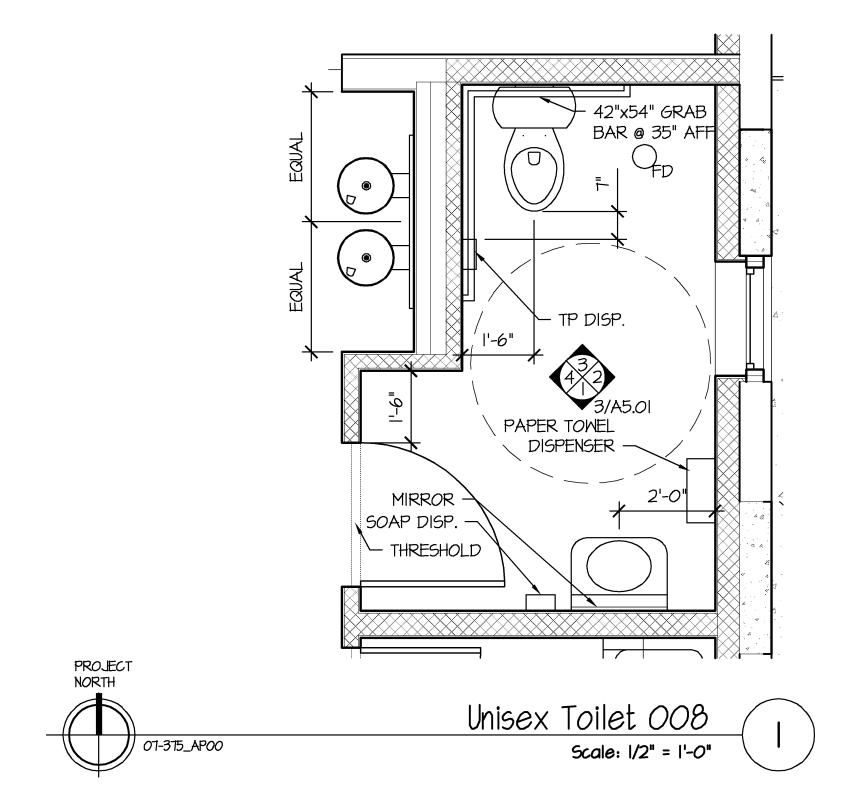
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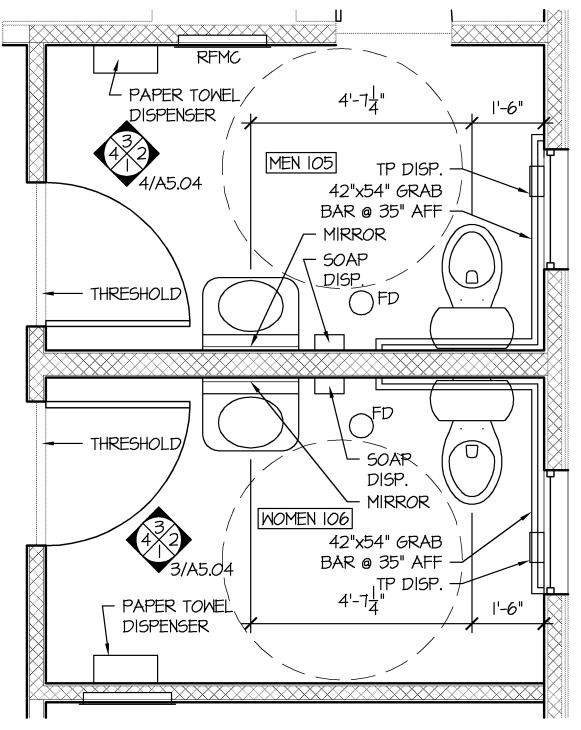
Roof Plan





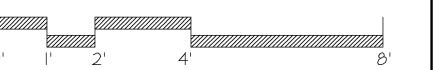


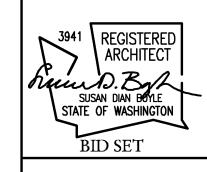




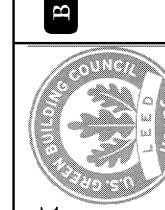
NOTE: PROVIDE BLOCKING AS NECESSARY FOR CABINETRY, MIRRORS, GRAB BARS, SHELVING, ETC.







PLANNING TUR 7



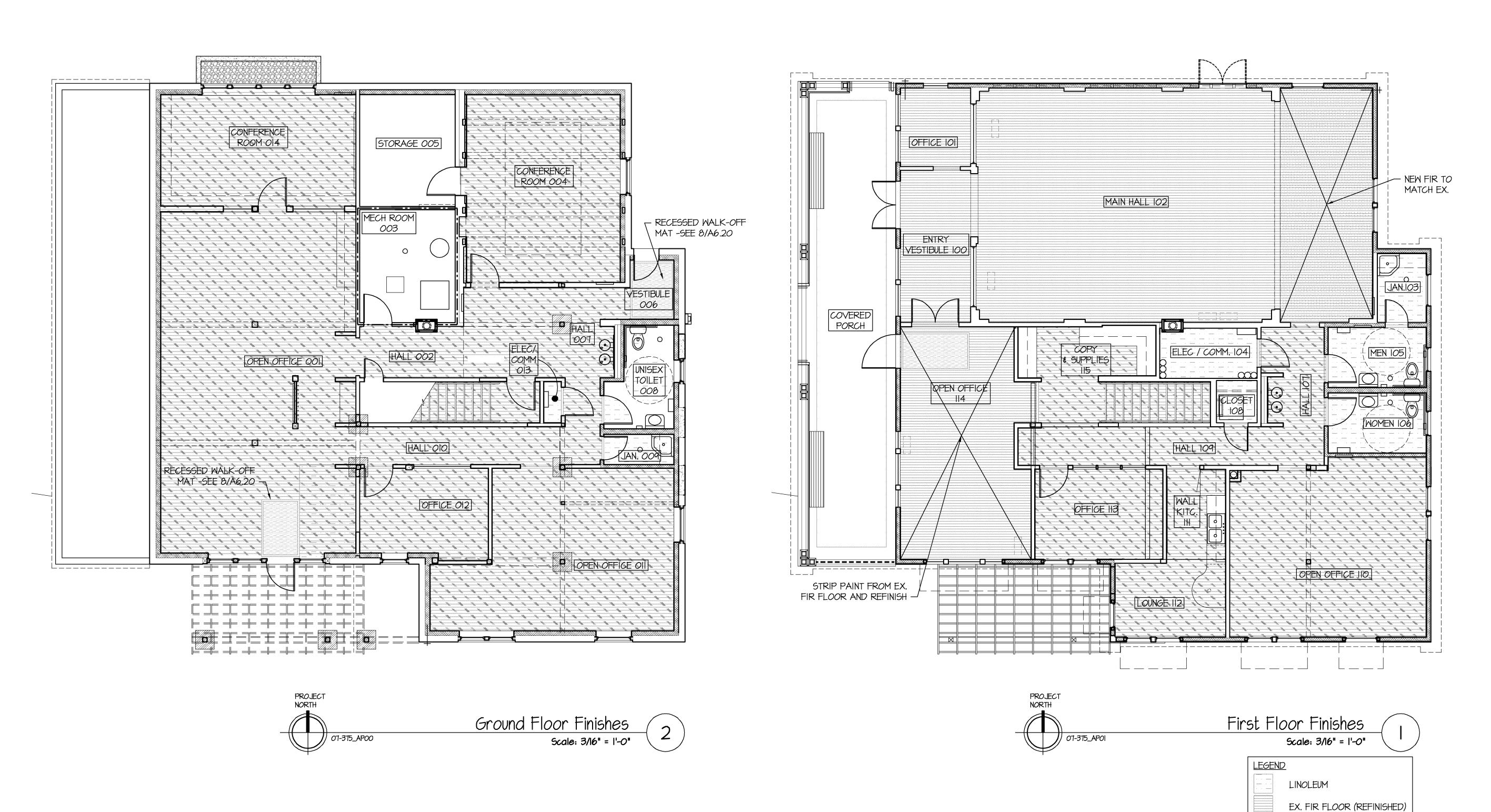
Kirkland City Hall Annex Rehabilitation

City of Kirkland 310 First Street Kirkland, Washington 98033

Revisions:

Scale: 1/2"=1'-0" Date: 07.30.08

Enlarged Floor Plans



RRY AVENUE N. SEATTLE WA 98109

B 0

Kirkland City Hall Annex
Rehabilitation
City of Kirkland

Revisions:

CORK

WALK OFF MAT

EX. CONC SLAB

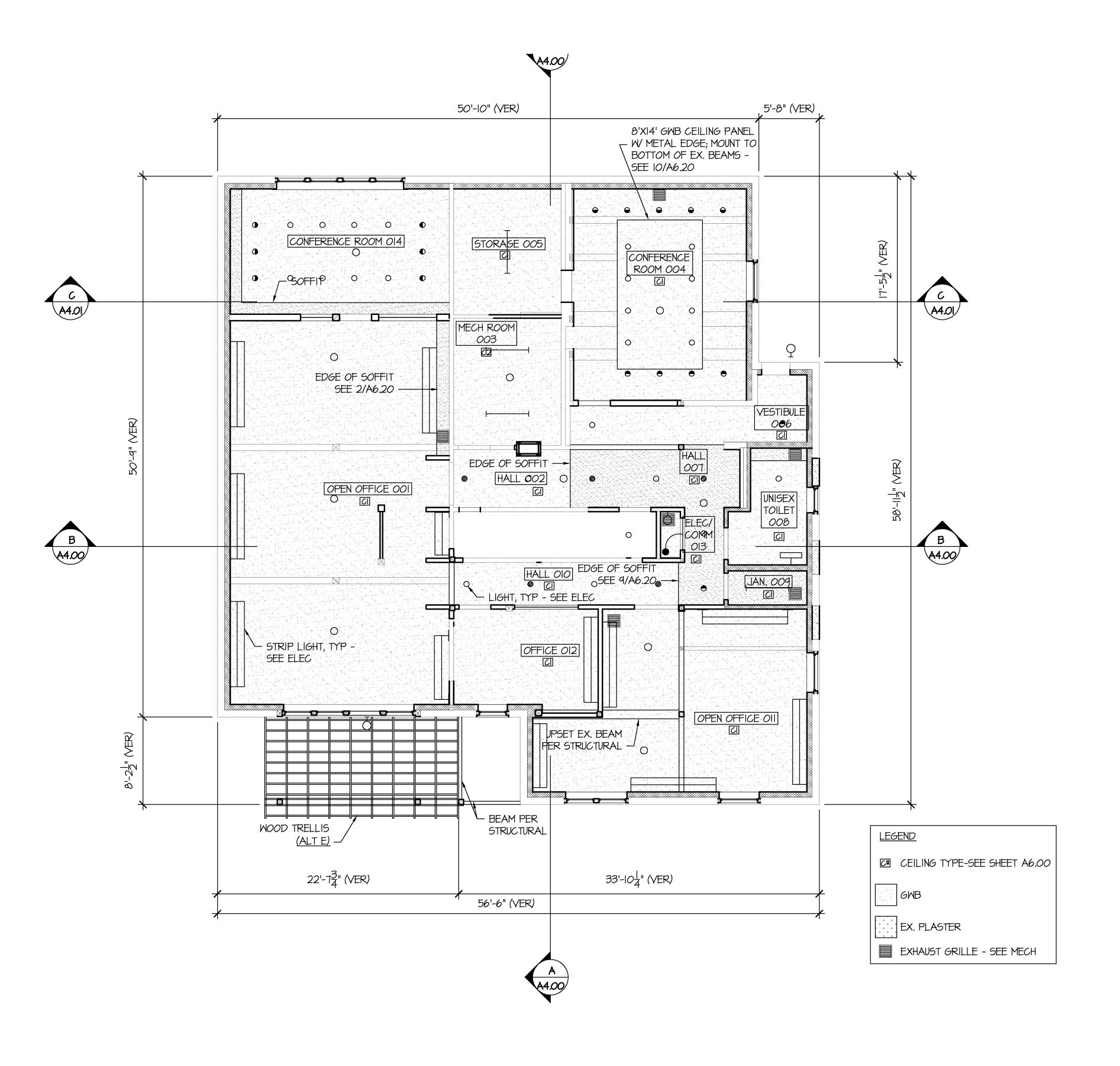
0' 1' 2' 4' 8'

12'

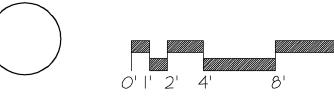
Scale: 1/2"=1'-0" Date: 07.30.08

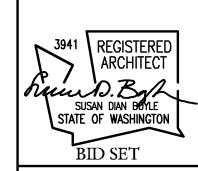
A2.30

Floor Finish Plans









3 2 0 TERRY AVENUE N. SEAT

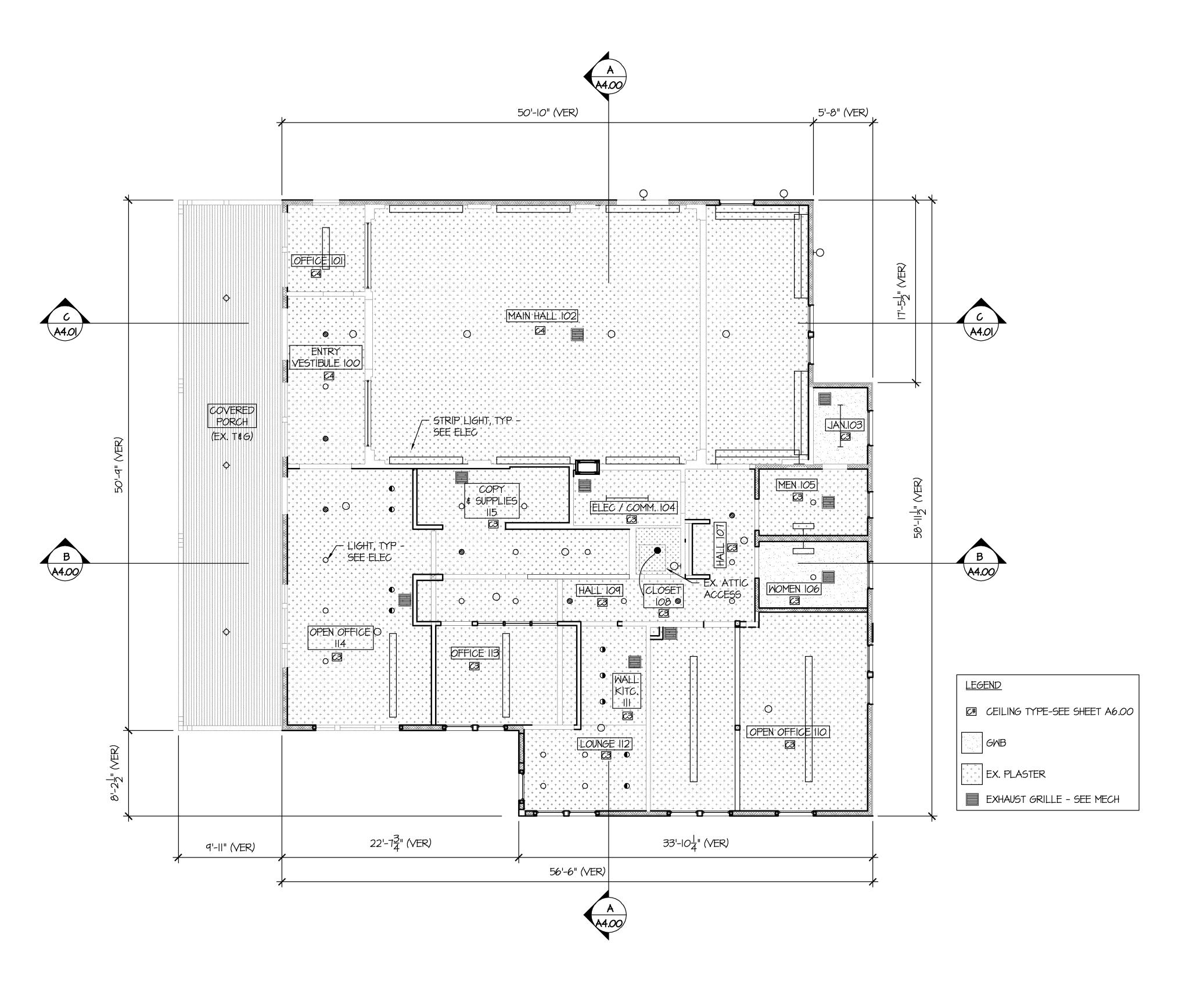
Kirkland City Hall Annex
Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washington 98033

Revisions:

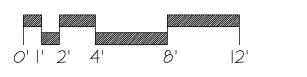
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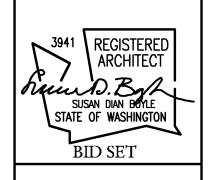
Scale: 3/16"=1'-0"
Date: 07.30.08

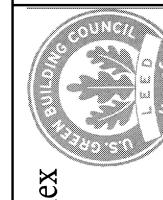
Ground Floor Reflected Ceiling Plan









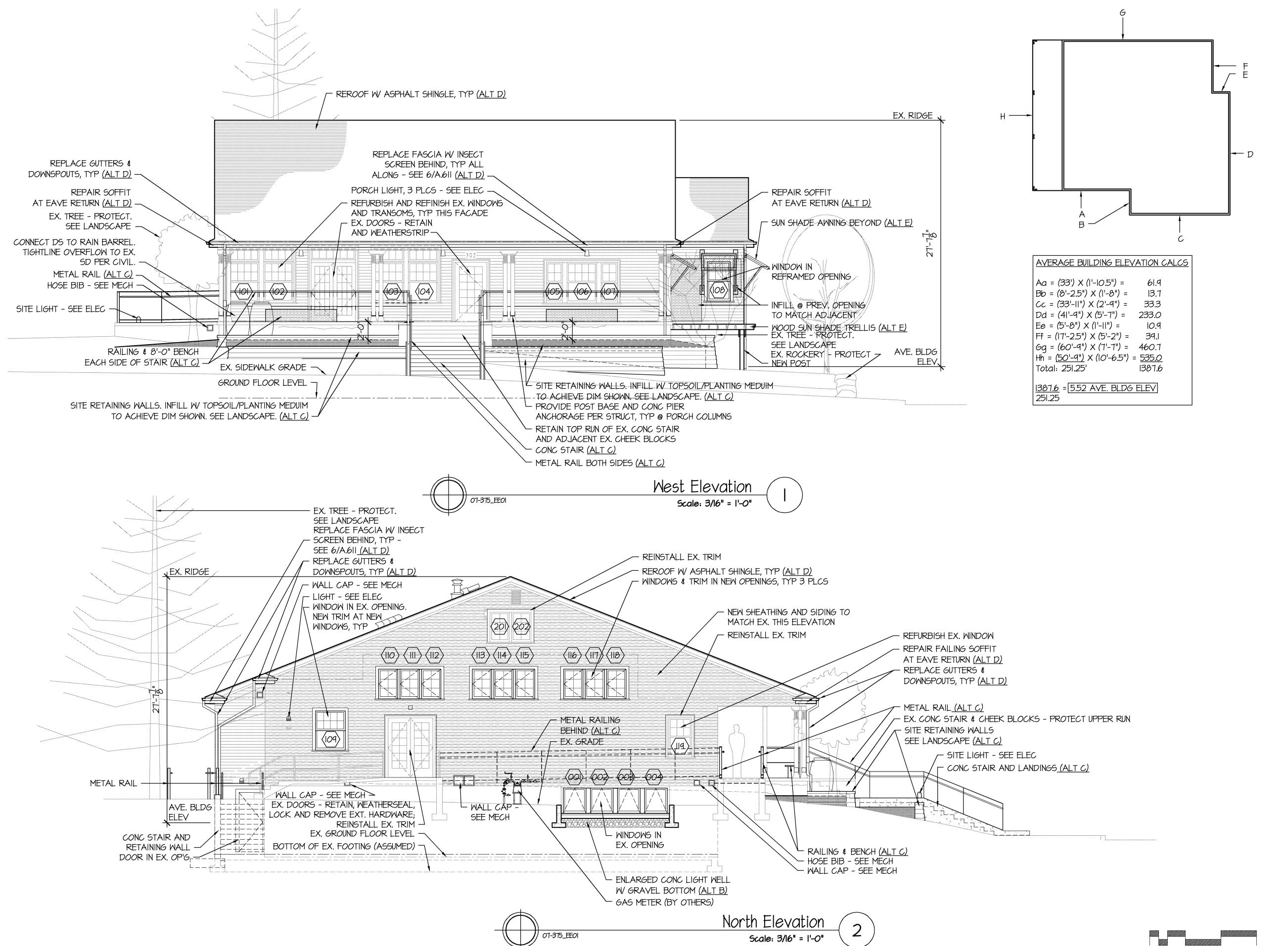


Kirkland City Hall Annex
Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washington 98033

Revisions:

Scale: 3/16"=1'-0" Date: 07.30.08

First Floor Reflected Ceiling Plan



TERRY AVENUE N. SEATTLE WA 98109

B 0

Kirkland City Hall Annex Rehabilitation

Revisions:

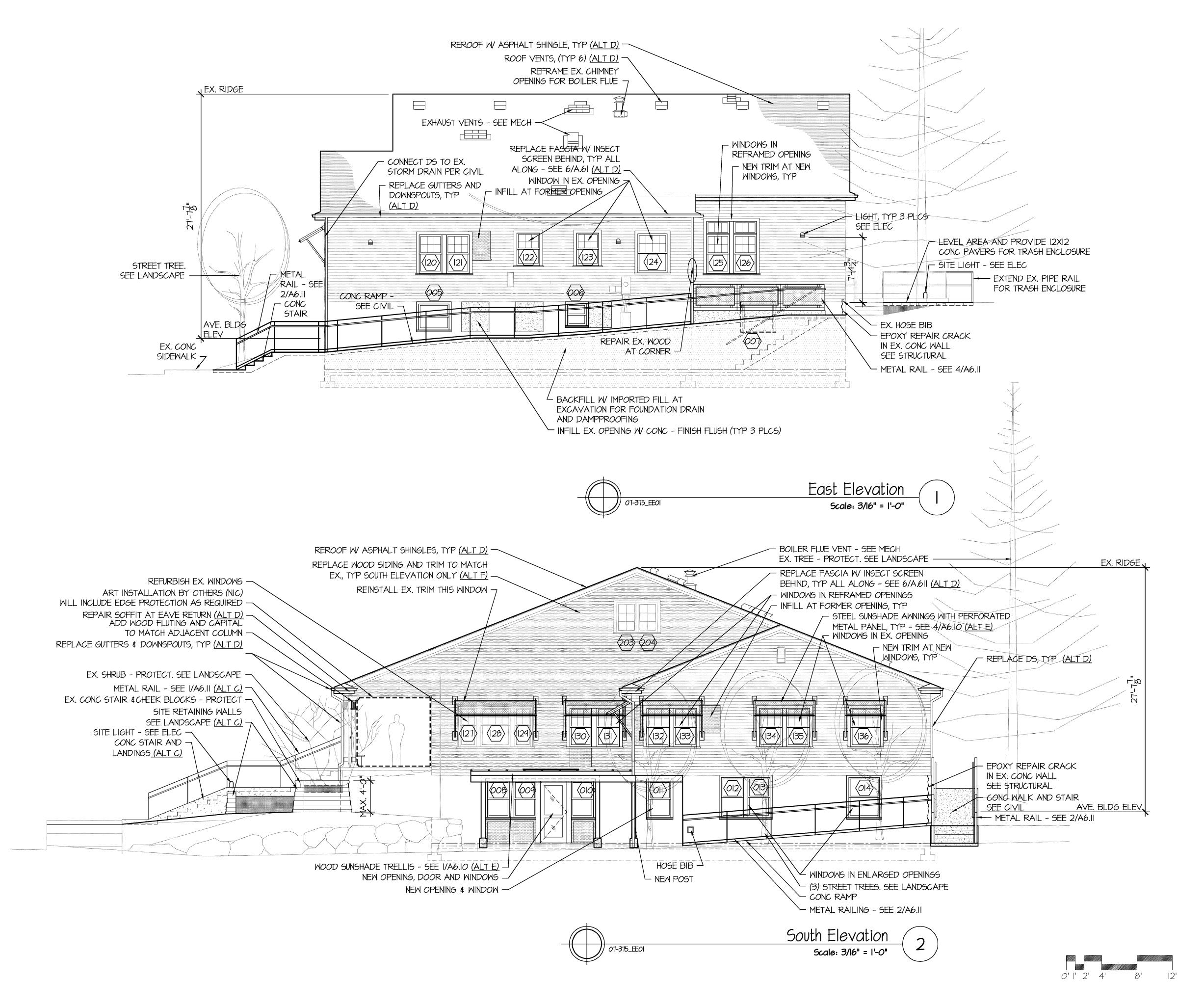
Scale: 3/16"=1'-0"

Date: 07.30.08

Exterior Elevations

0' | ' 2' 4' 8'

12'



O TERRY AVENUE N. SEATTLE WA 98109

8 0



Kirkland City Hall Annex
Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washington 98033

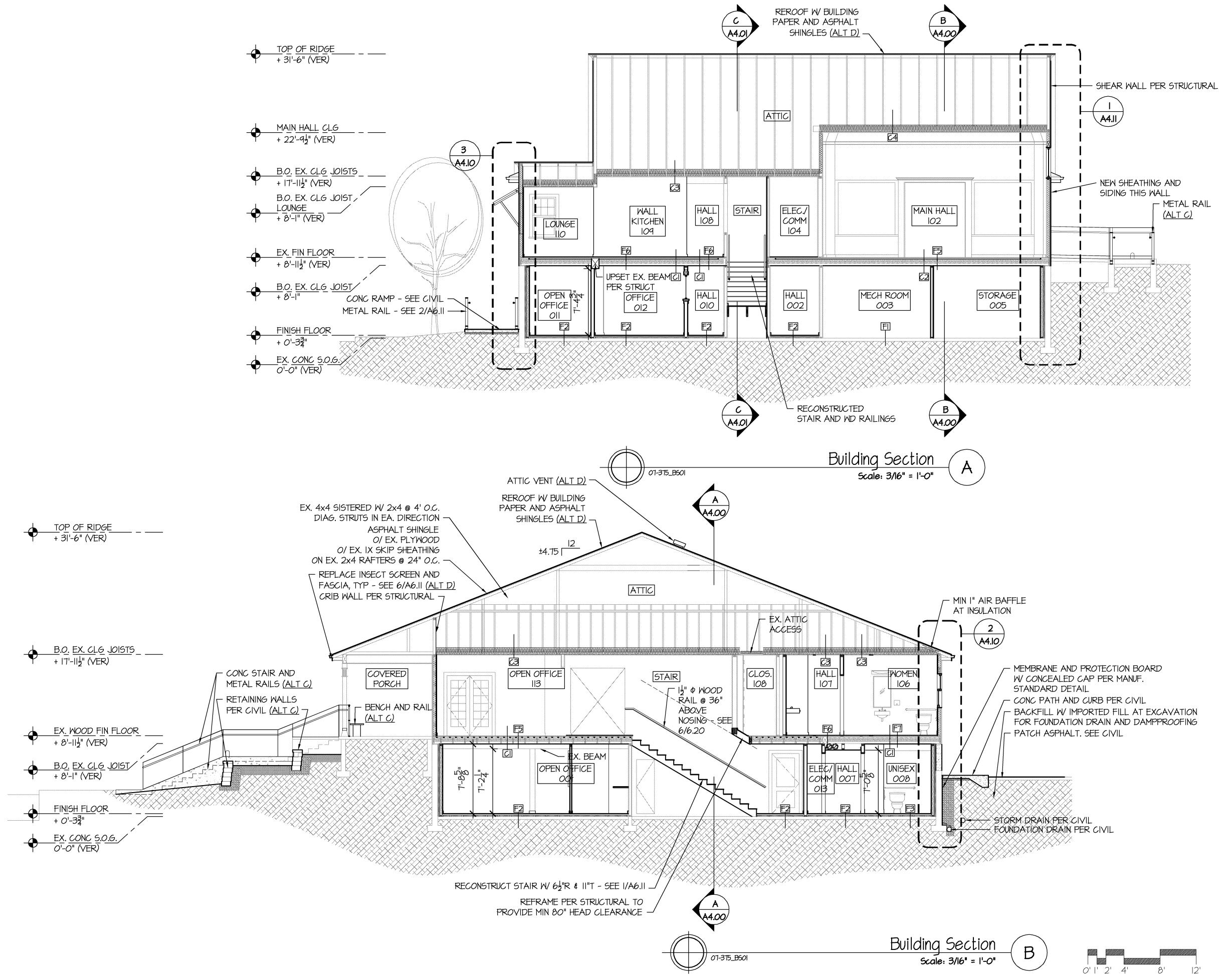
Revisions:

Scale: 3/16"=1'-0"

Date: 07.30.08

A3.01

Exterior Elevations



J R

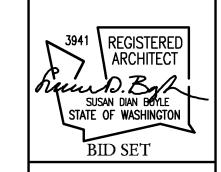


Annex Hall Kirkland City Rehabilitation

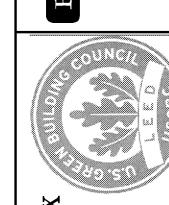
Revisions:

Scale: 3/16"=1'-0" Date: 07.30.08

**Building Sections** 



7

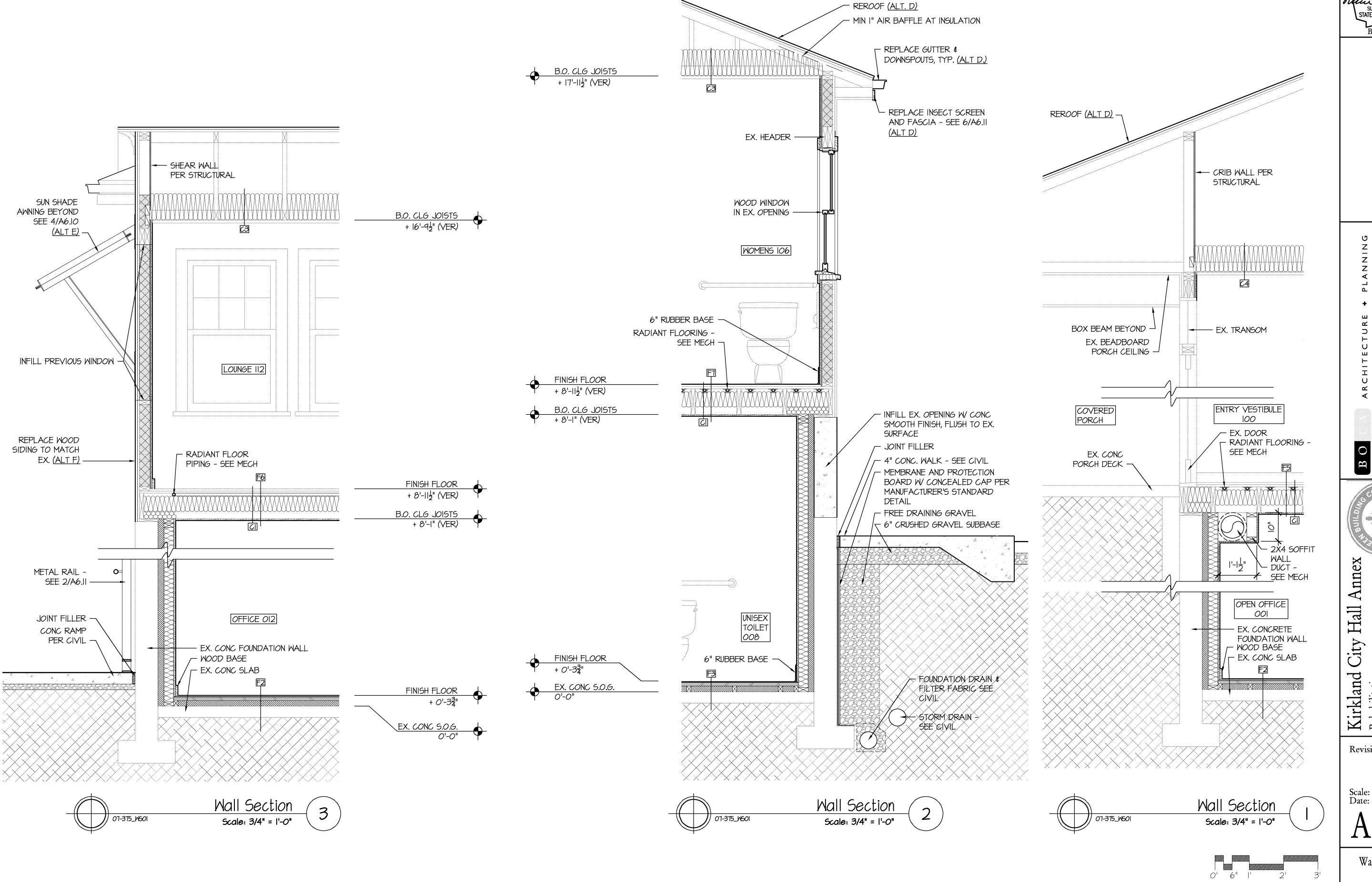


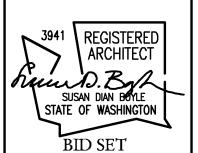
Kirkland City Hall Annex
Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washington 98033

Revisions:

Scale: 3/16"=1'-0" Date: 07.30.08

**Building Section** 





Annex

Kirkland City Hall
Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washington 9

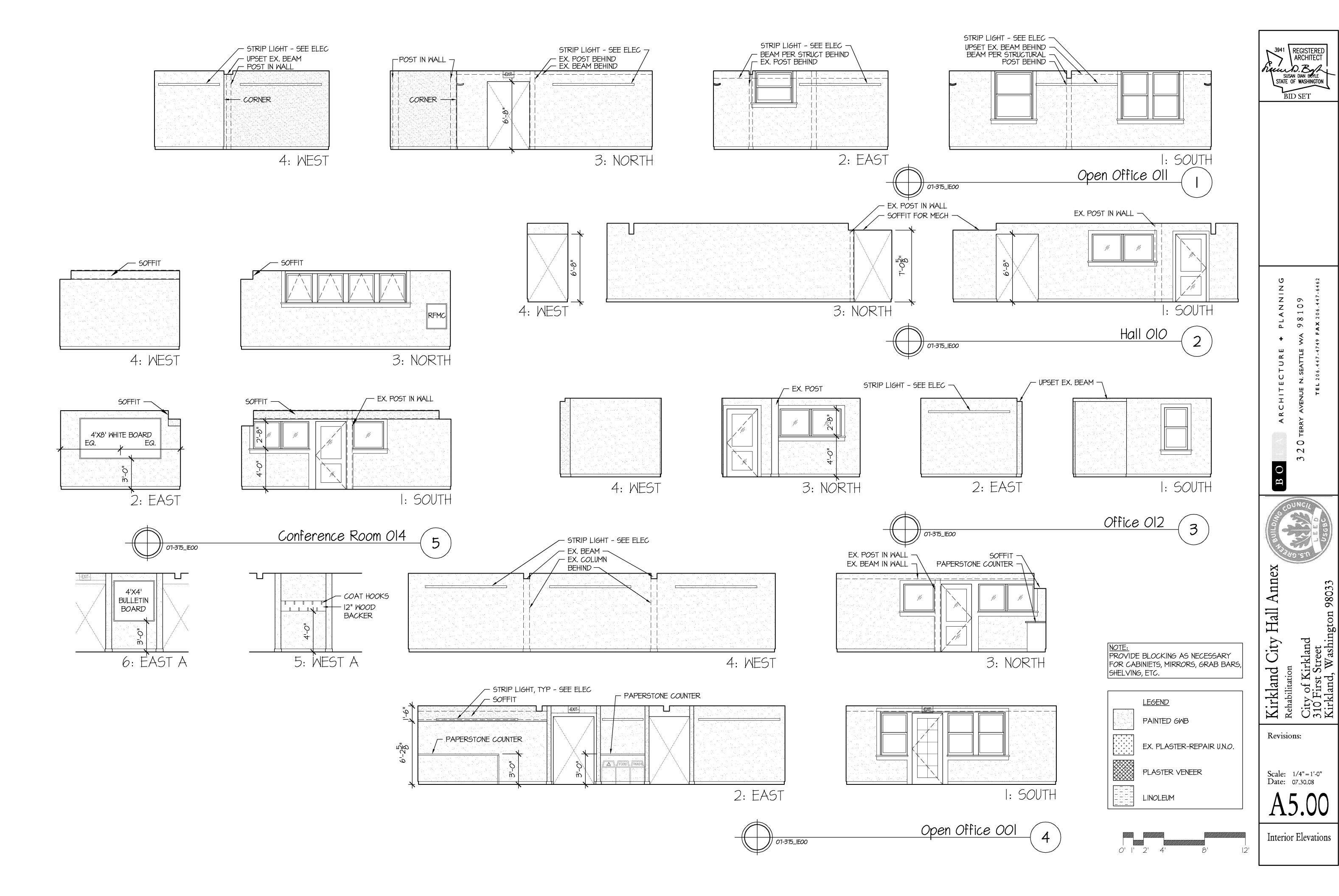
Revisions:

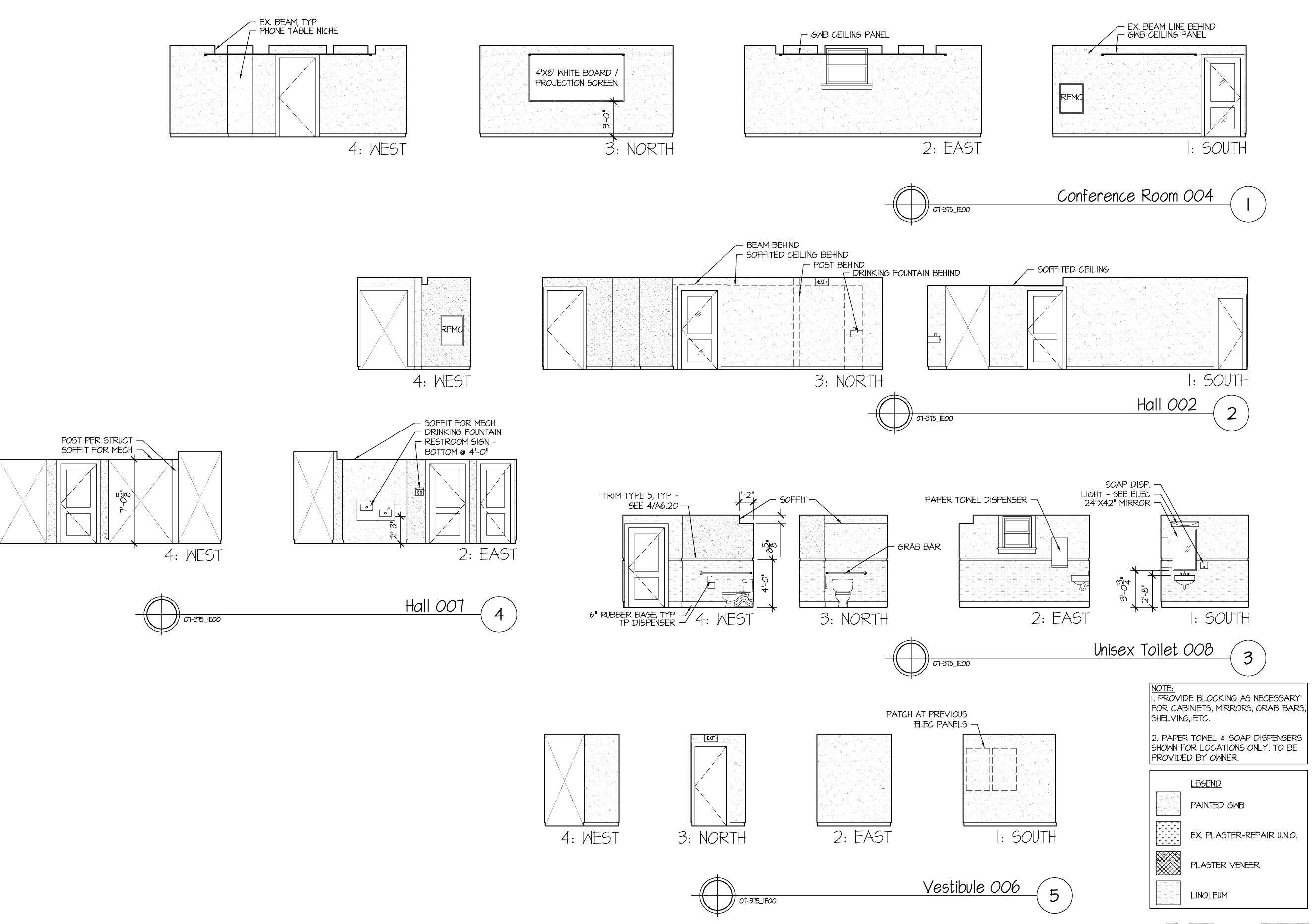
Scale: 3/4"=1'-0" Date: 07.30.08

A4.10

Wall Sections

REROCF (ALT D)  SALVAGE AND REINSTALL EX TRIM	REGISTERED ARCHITECT SUSAN DIAN BOYLE STATE OF WASHINGTON BID SE'T'
MAIN HALL EX FINISH CELLING  + 22'-43" (VER)  RETAIN EX PLASTER  FLASHING  HEADER PER STRUCTURAL  NEA CFENING AND WOOD MINDOW	RE + PLANNING  TLE WA 98109 7-4749 FAX 206.447-6462
	BO ARCHITECTU  3 2 0 TERRY AVENUE N. SEAT  TEL 206.44
EX. CONC. 50.6.	Kirkland City Hall Annex Rehabilitation City of Kirkland 310 First Street Kirkland, Washington 98033
Wall Section	Revisions:  Scale: 3/4"=1'-0" Date: 07.30.08  A4.11  Wall Sections

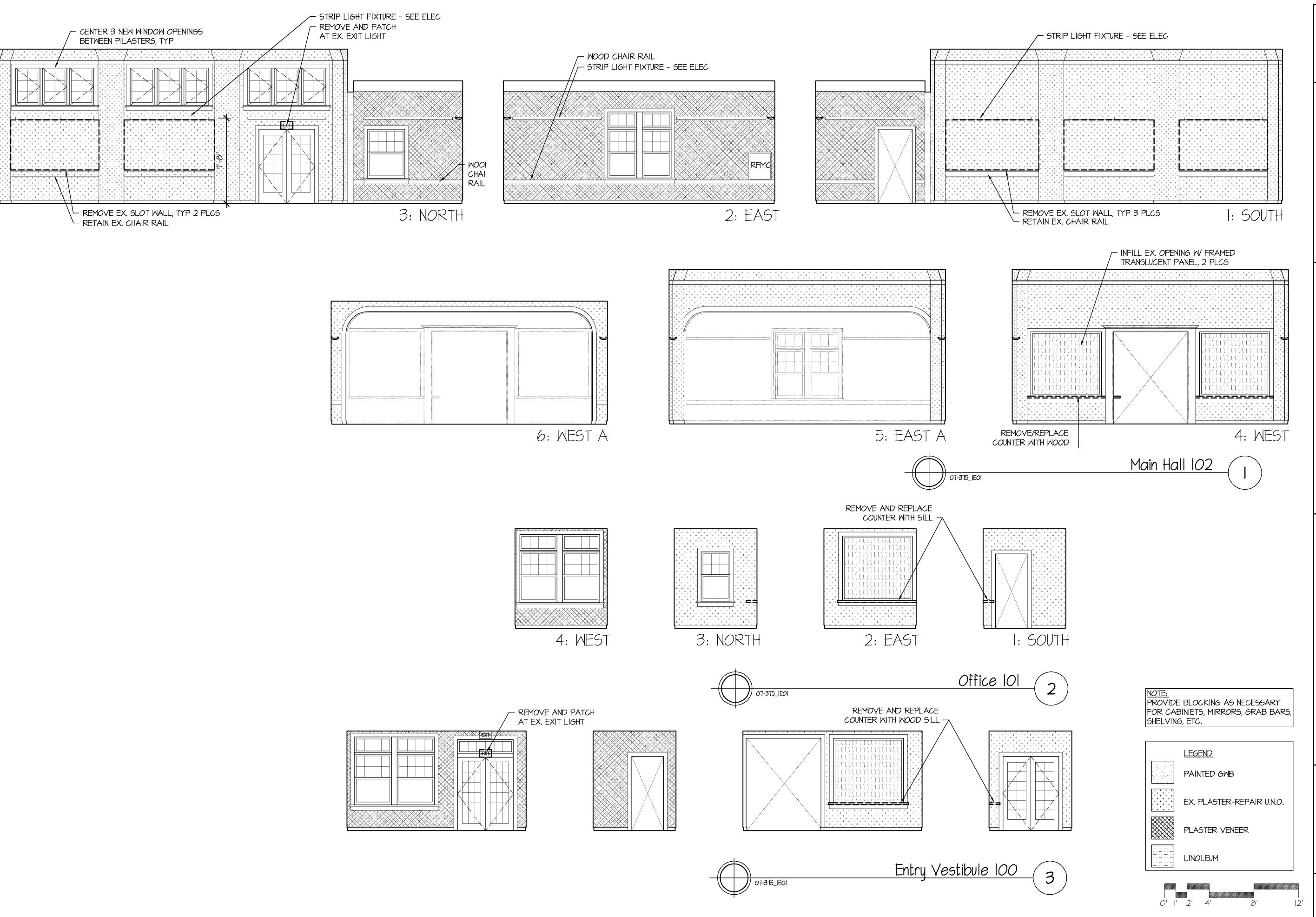




Annex 98033 Kirkland City Hall A Rehabilitation City of Kirkland 310 First Street Kirkland, Washington 98

Revisions:

Scale: 1/4"=1'-0" Date: 07.30.08

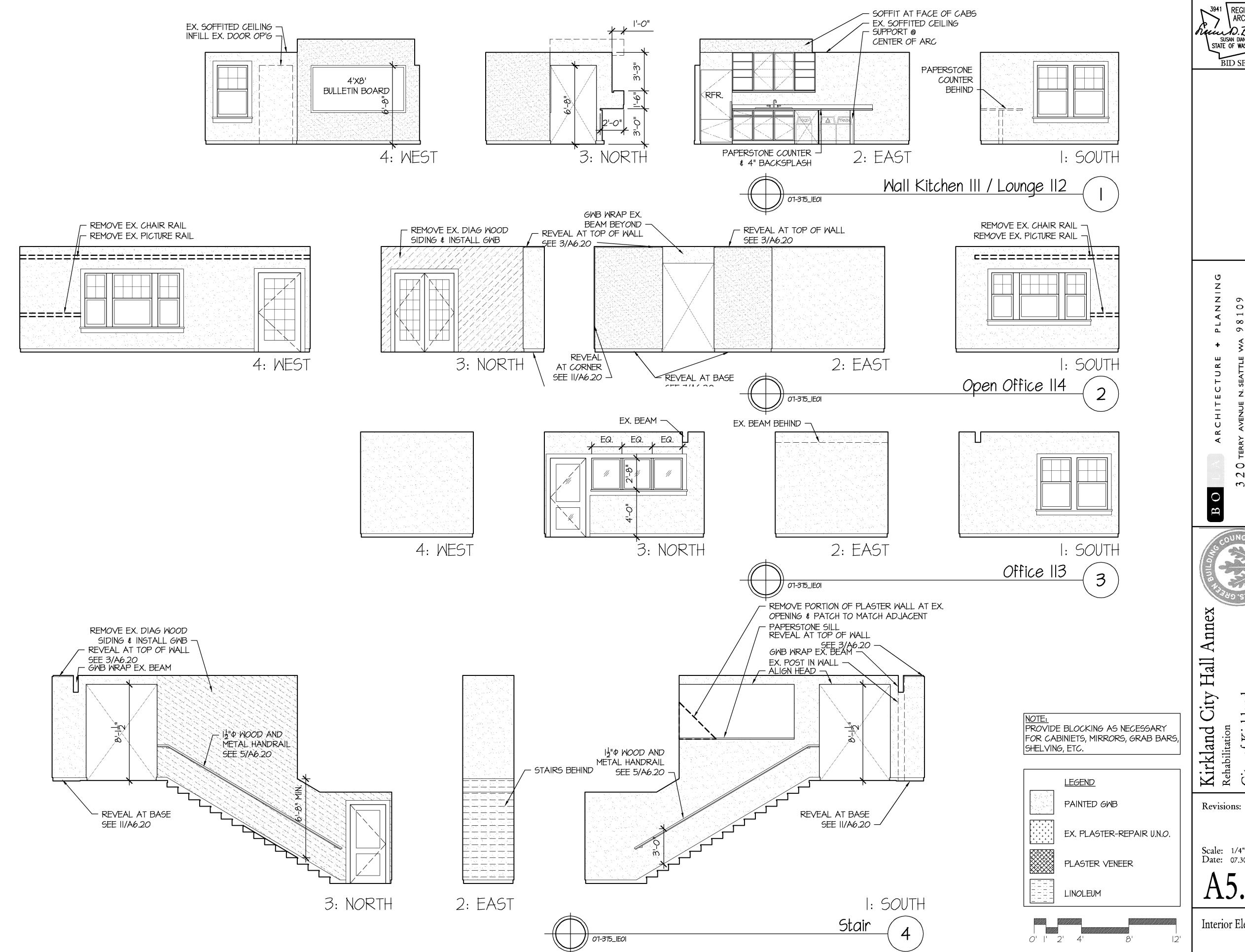


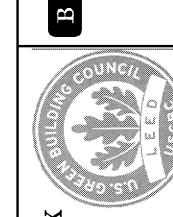
98033

Kirkland City Hall Annex Rehabilitation

Revisions:

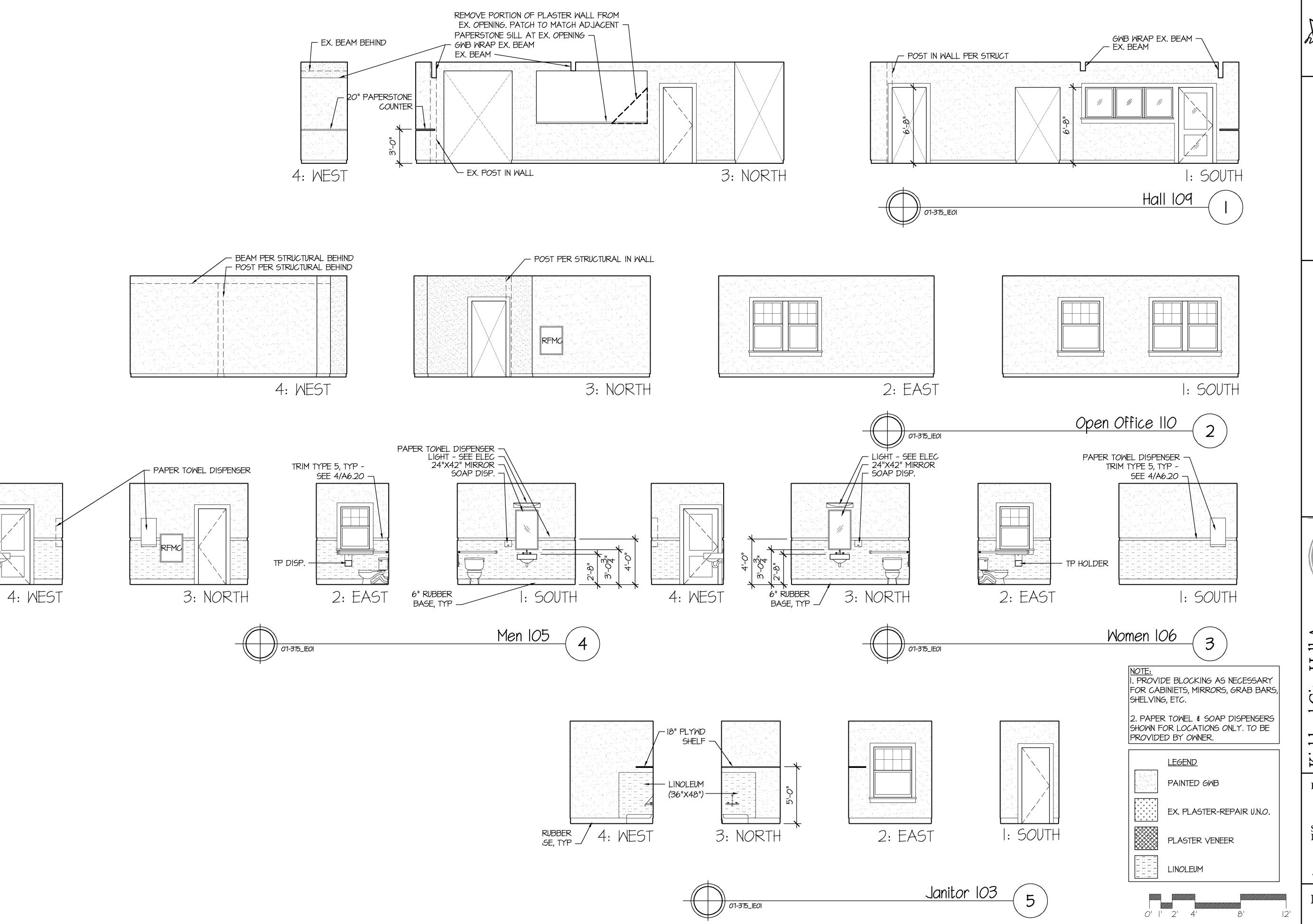
Scale: 1/4"=1'-0" Date: 07.30.08





Kirkland City Hall
Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washington 9

Scale: 1/4"=1'-0" Date: 07.30.08



7

98033

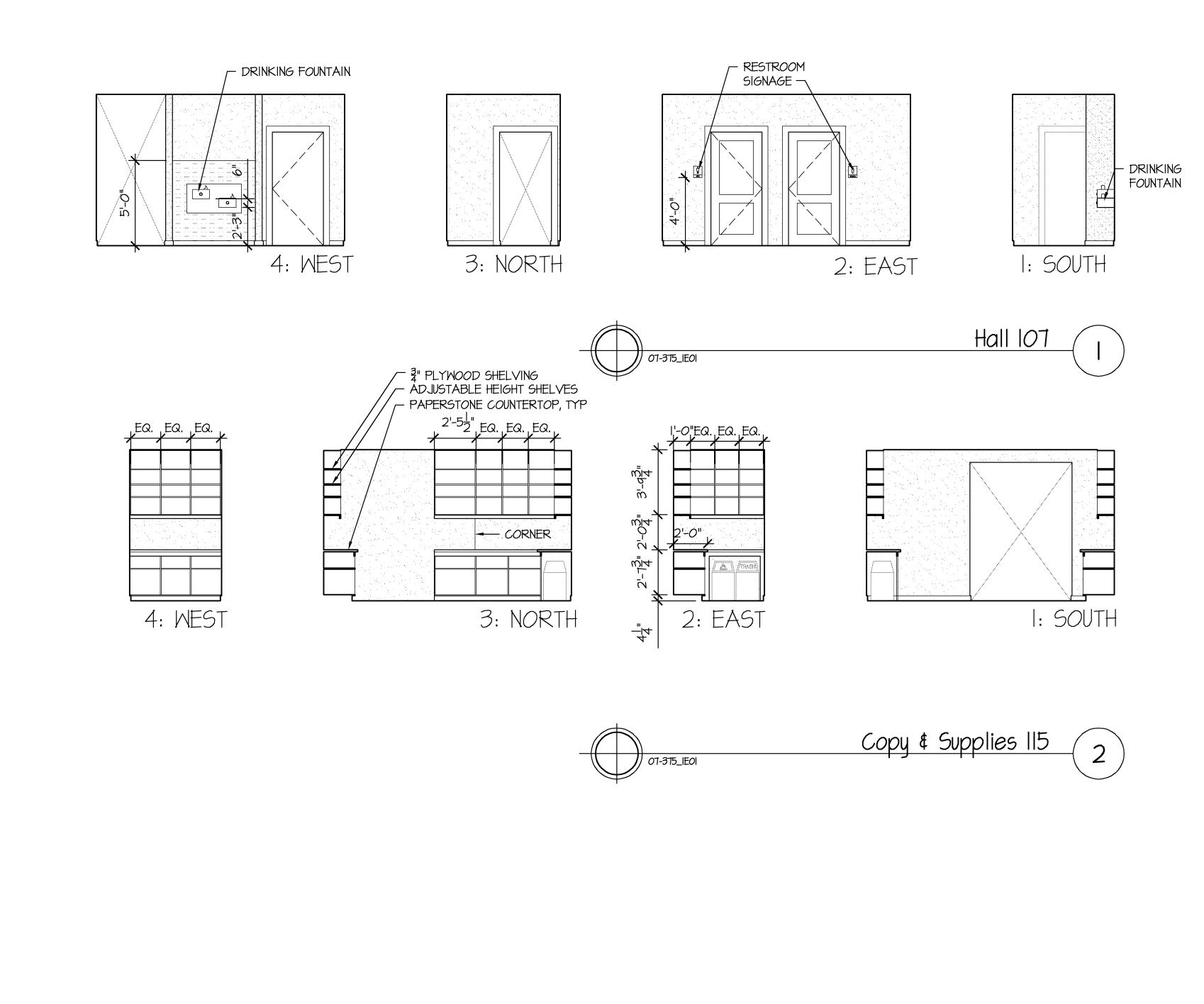
Kirkland City Hall Annex Rehabilitation

City of Kirkland 310 First Street Kirkland, Washington 9

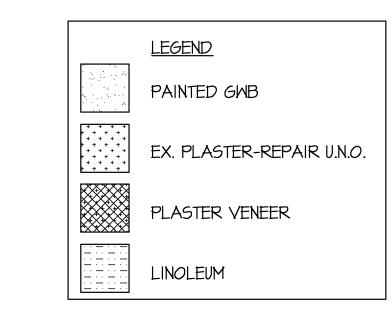
Revisions:

Scale: 1/4"=1'-0" Date: 07.30.08

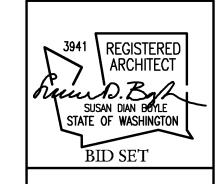
A5.04











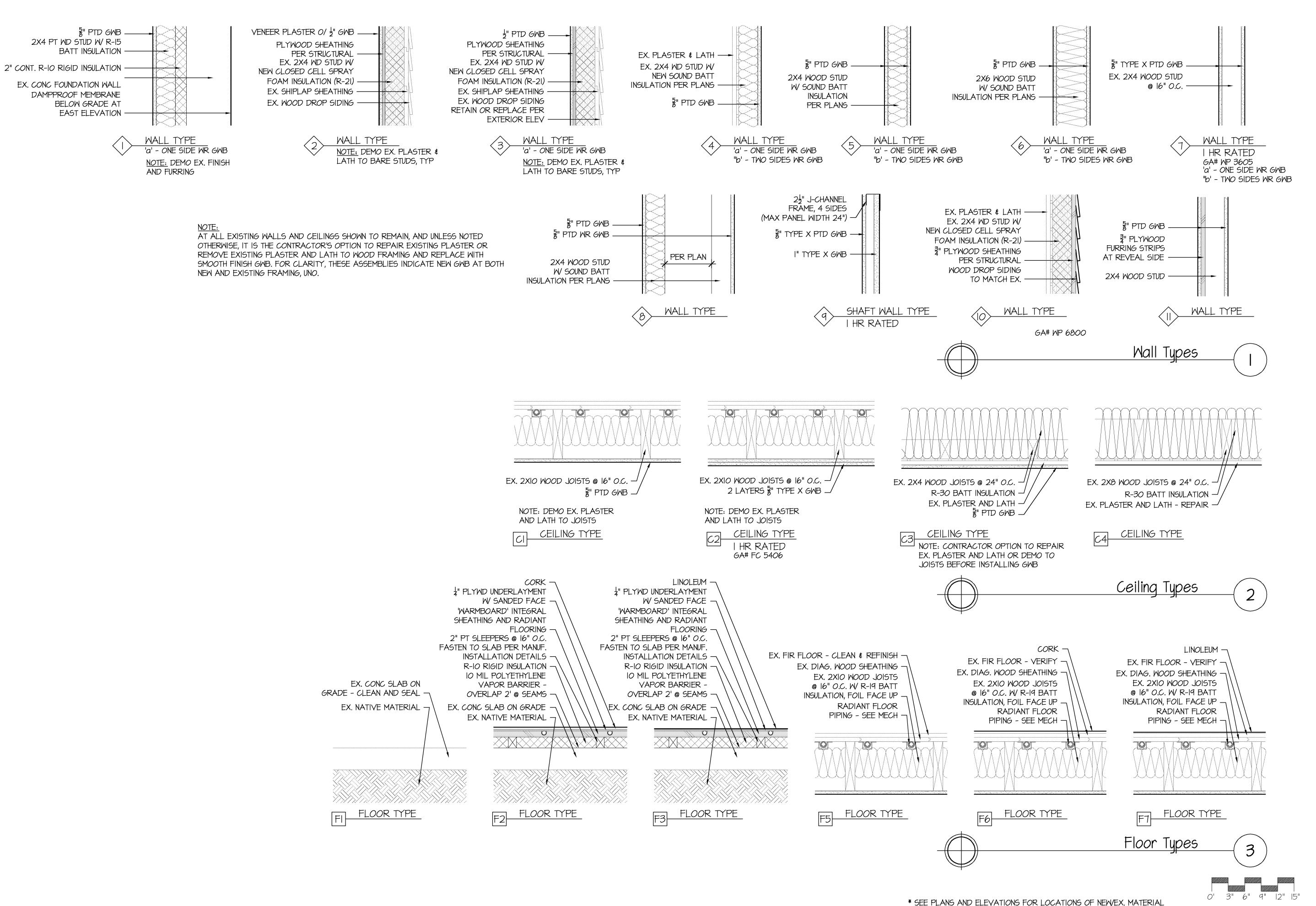
7

ARCHITECTURE

Kirkland City Hall Annex Rehabilitation

Revisions:

Scale: 1/4"=1'-0" Date: 07.30.08



BID SET

 $\supset$ 0 7

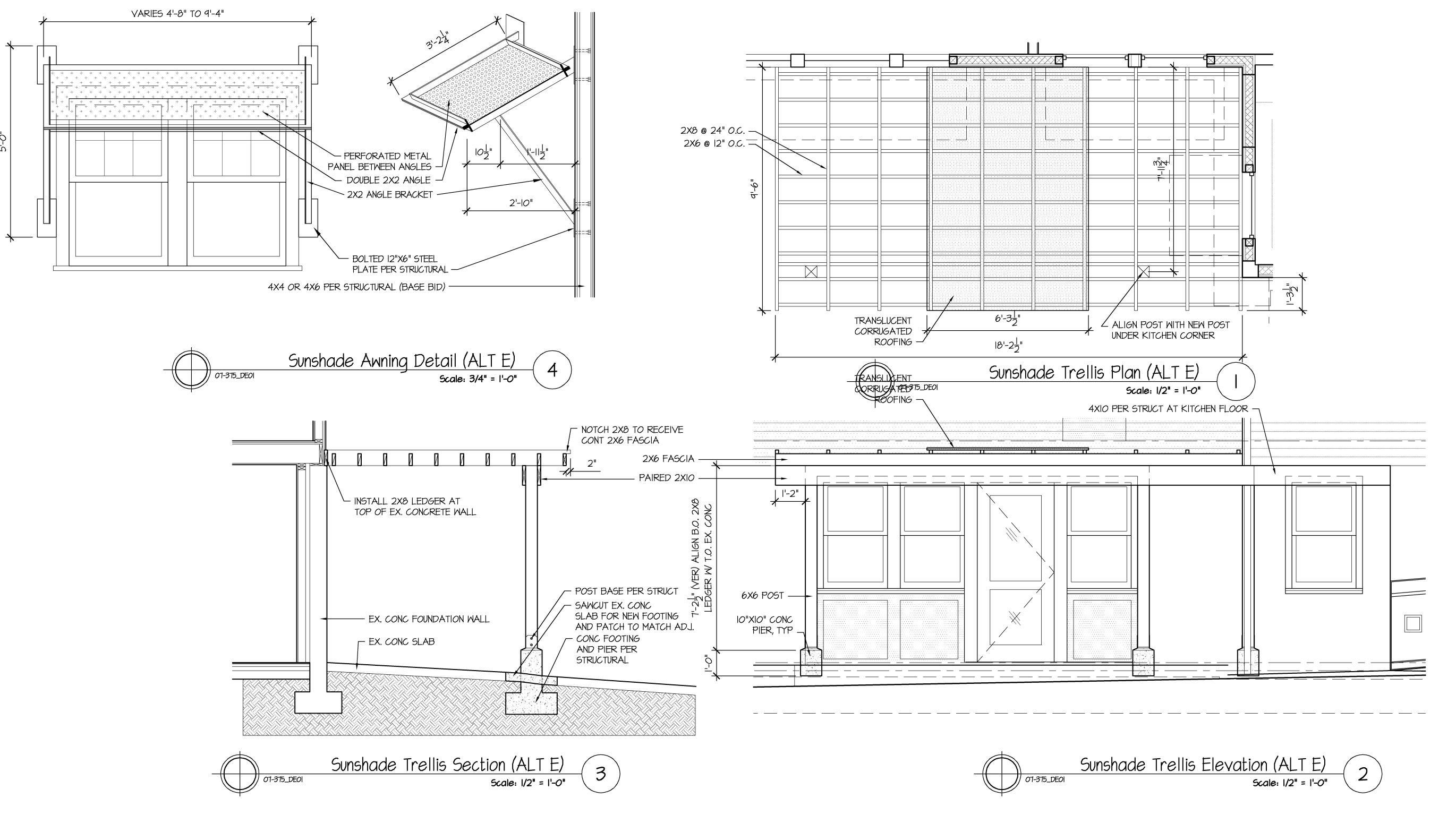
Annex Hall City of Kirkland 310 First Street Kirkland, Washington 9 City Kirkland (Rehabilitation

Revisions:

Scale: 1-1/2" = 1'-0"Date: 07.30.08

A6.00

Construction Assemblies

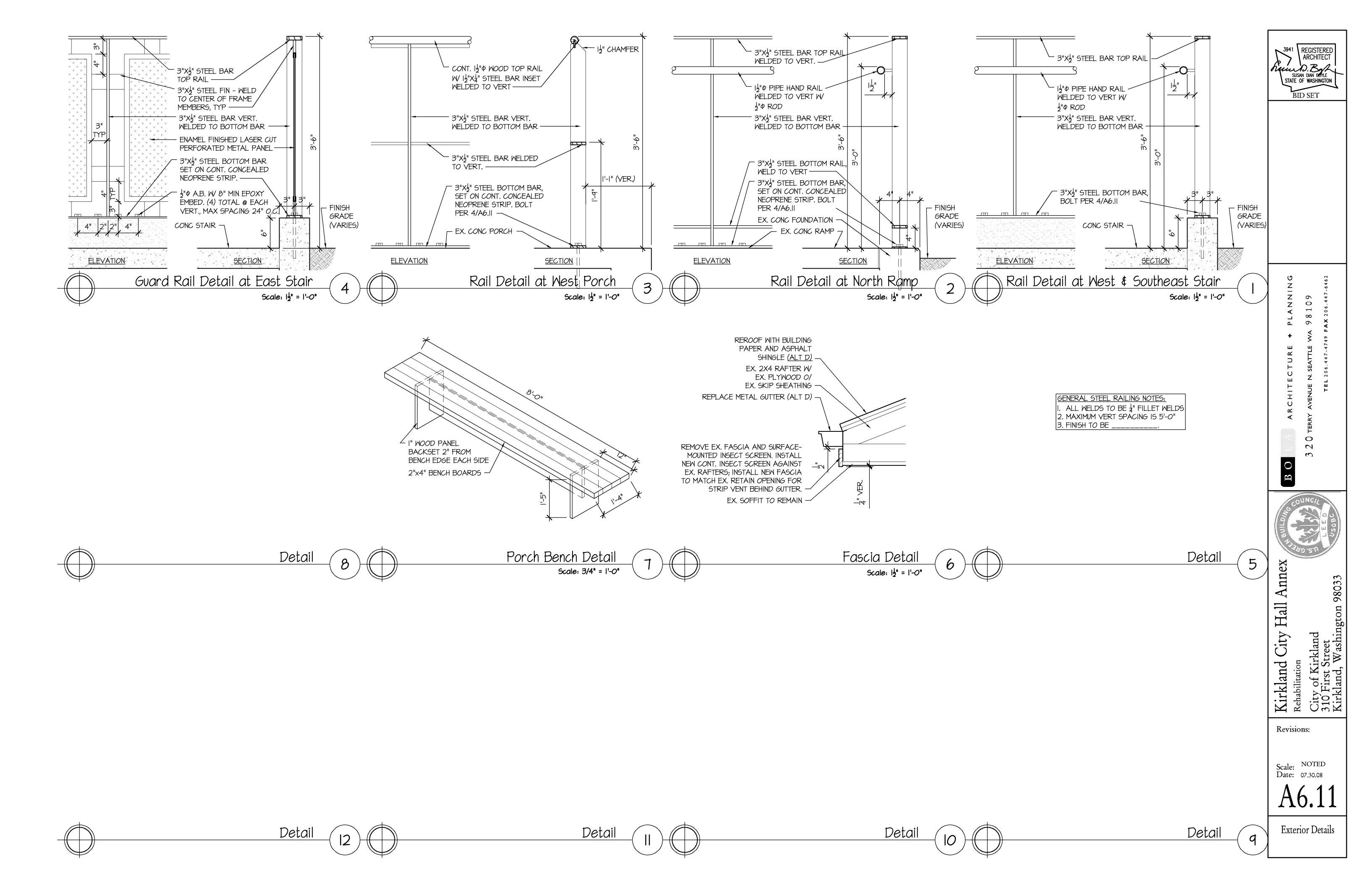


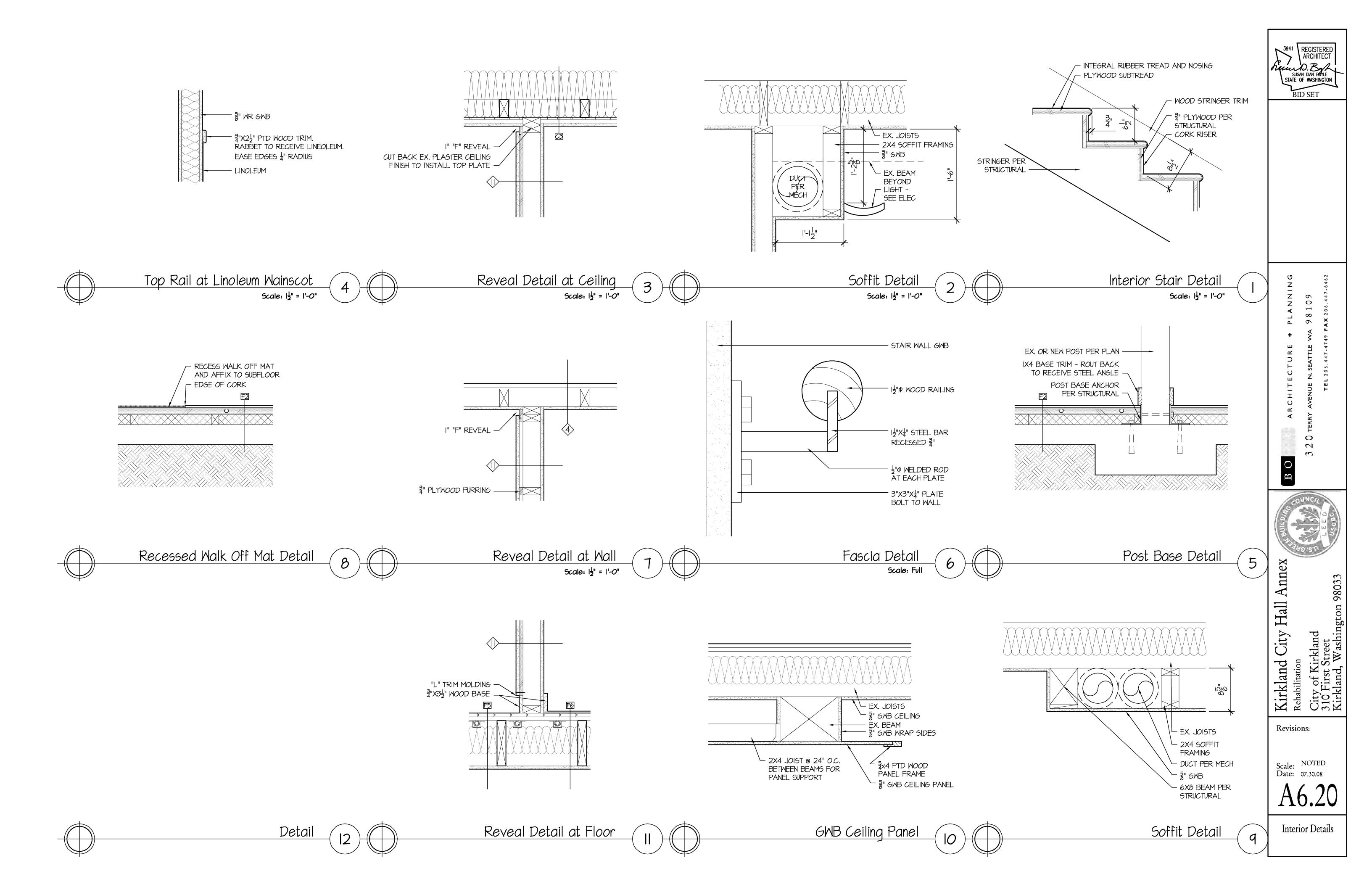
Kirkland City Hall Annex Rehabilitation

Revisions:

Scale: NOTED Date: 07.30.08

Exterior Details





ROOM FINISH SCHEDULE

ROOM ROOM NAME	INTERIOR	WALLS				TRIM	CEILING	FLOOR		NOTES	ROOM
	ELEVS	NORTH	EAST	SOUTH	WEST	112111	OLILINO	FINISH	BASE	NOILS	
NO.   GROUND FLOOR	FLEYS	NORTH	LASI	500111	7121			T INISH			<u> </u>
OOI OPEN OFFICE	4/A5.00	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		1001
002 HALL	2/A5.01	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		002
003 MECH ROOM	2,7.10.01	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	EX. CONC	NONE		003
004 CONFERENCE ROOM	I/A5.01	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		001 002 003 004 005 006 007 008 009 010
005 STORAGE	1,7.0.0	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	EX. CONC	NONE		005
006 VESTIBULE	5/A5.0I	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		006
OOT HALL	4/A5.01	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		007
008 UNISEX TOILET	3/A5.0I	PTD WR GWB / LINOLEUM	PTD WR GWB / LINOLEUM	PTD WR GWB / LINOLEUM	PTD WR GWB / LINOLEUM	4 1/4" WOOD	PTD GWB	LINOLEUM	6" RUBBER BASE		008
009 JANITOR		PTD WR GWB	PTD WR GWB	PTD WR GWB	PTD WR GWB	4 1/4" WOOD	PTD GWB	LINOLEUM	6" RUBBER BASE		009
OIO HALL	2/A5.00	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		010
OII OPEN OFFICE	I/A5.00	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		
012 OFFICE	3/A5.00	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		012
Ol3 ELEC/COMM.		PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	LINOLEUM	NONE		013
014 CONFERENCE ROOM	5/A5.00	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		014
FIRST FLOOR											
100 ENTRY VESTIBULE	3/A5.02	EX. PTD PLASTER	EX. PTD PLASTER	EX. PTD PLASTER	PLASTER VENEER	4 1/4" WOOD	EX. PTD PLASTER	REFINISH EX. WOOD T&G	EX. / NEW WOOD	REPAIR EX. PLASTER	100 101
IOI OFFICE	2/A5.02	PLASTER VENEER	EX. PTD PLASTER	EX. PTD PLASTER	PLASTER VENEER	4 1/4" WOOD	EX. PTD PLASTER	REFINISH EX. WOOD T&G		REPAIR EX. PLASTER	
102 MAIN HALL	I/A5.02	PLAST. VNR/ EX. PTD PLAS		EX. PTD PLASTER	EX. PTD PLASTER	4 1/4" WOOD	EX. PTD PLASTER	REFINISH EX./NEW WD T&C		REPAIR EX. PLASTER	102 103 104 105 106
103 JANITOR	5/A4.04	PTD WR GWB	PTD WR GWB	PTD WR GWB	PTD WR GWB	4 1/4" WOOD	PTD GWB	LINOLEUM	6" RUBBER BASE	DEMO EX. PLASTER, NEW GWB	103
104 ELEC/COMM		PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	LINOLEUM	NONE		104
IO5 MEN	4/A5.04	PTD WR GWB / LINOLEUM	PTD WR GWB / LINOLEUM	PTD WR GWB / LINOLEUM	PTD WR GWB / LINOLEUM	4 1/4" WOOD	PTD GWB	LINOLEUM	6" RUBBER BASE		105
106 WOMEN	3/A5.04	PTD WR GWB / LINOLEUM	PTD WR GWB / LINOLEUM	PTD WR GWB / LINOLEUM	PTD WR GWB / LINOLEUM	4 1/4" WOOD	PTD GWB	LINOLEUM	6" RUBBER BASE		106
107 HALL	1/A5.05	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		107
108 CLOSET		PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	LINOLEUM	3 1/2" WOOD	EX. ATTIC ACCESS	108
109 HALL	1/A5.04	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		109
IIO OPEN OFFICE	2/A5.04	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		110
III WALL KITCHEN	1/A5.03	PTD WR GWB	PTD WR GWB	PTD WR GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	6" RUBBER BASE		
II2 LOUNGE	I/A5.03	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	6" RUBBER BASE		112
II3 OFFICE	3/A5.03	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		II3
114 OPEN OFFICE	2/A5.03	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	REFINISH EX./NEW WD T&C			114
II5 COPY & SUPPLIES	2/A5.05	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK	3 1/2" WOOD		II5
STAIR	4/A5.03	PTD GWB	PTD GWB	PTD GWB	PTD GWB	4 1/4" WOOD	PTD GWB	CORK / RUBBER NOSINGS	3 1/2" WOOD		

<u>LEGEND</u> CONC

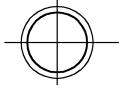
CONCRETE EXISTING EX. GMB GYPSUM WALL BOARD PLYWD PLYWOOD

PLAST. PLASTER AND WOOD LATH PAINTED

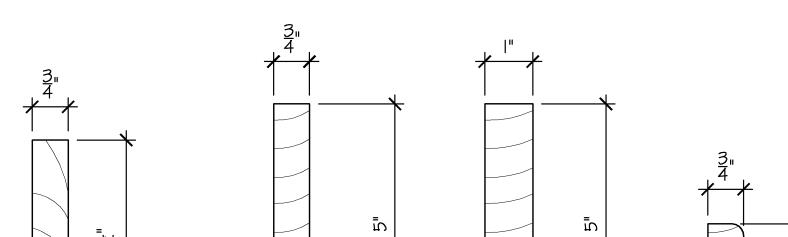
WOOD T&G WOOD TONGUE & GROOVE

MRWATER RESISTANT STD STAINED VENEER

NOTE: AT ALL EXISTING WALLS AND CEILINGS SHOWN TO REMAIN, AND UNLESS NOTED OTHERWISE, IT IS THE CONTRACTOR'S OPTION TO REPAIR EXISTING PLASTER OR REMOVE EXISTING PLASTER AND LATH TO WOOD FRAMING AND REPLACE WITH SMOOTH FINISH GWB. FOR CLARITY, THIS SCHEDULE INDICATES NEW GWB AT BOTH NEW AND EXISTING FRAMING, UNO.



Room Finish Schedule



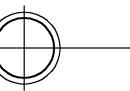
TRIM TYPE I INTERIOR BASE TRIM

TRIM TYPE 2 INTERIOR WINDOW / DOOR TRIM

TRIM TYPE 3
EXTERIOR
WINDOW / DOOR TRIM
EXISTING

TRIM TYPE 4
EXTERIOR
WINDOW / DOOR TRIM
NEW

TRIM TYPE 5 INTERIOR LINOLEUM WAINSCOT TOP RAIL NEW



Trim Profiles Scale: 6" = 1'-0"

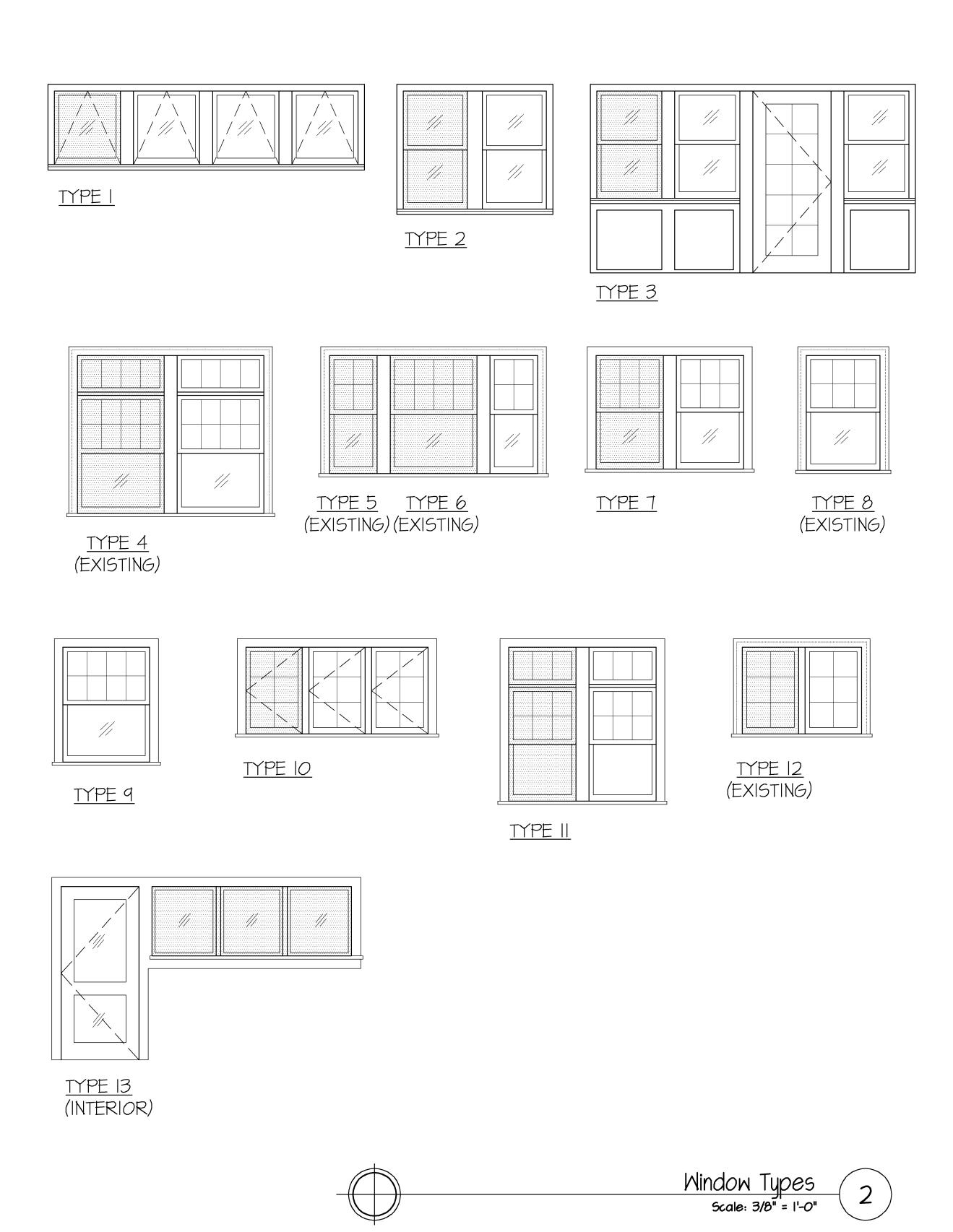
Room

Kirkland City Hall Annex
Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washington 98033

Revisions:

Scale: 3/16"=1'-0" Date: 07.30.08

Finish Schedule



	CHEDULE	LIAINDON GIZE	REFURB. /	GLAZING		nE-	TAIL G			NOTEC
MINDOM NO.	WINDOW TYPE	WINDOW SIZE   (W x H)	NEW	GLAZING	HEAD	JAMB	ΓAILS  SILL	MULLION	OPERATION	NOTES
001		2'-6 1/2" X 2'-10"	NEW	LOW-E DOUBLE INSULATED	I/A7.I2	5/A7.l2	9/A7.12	2/A7.I2	AWNING	
002		2'-6 1/2" X 2'-10"	NEW	LOW-E DOUBLE INSULATED	I/A7.I2	5/A7.I2	9/A7.12	2/A7.I2	AWNING	
003		2'-6 1/2" X 2'-10"	NEW	LOW-E DOUBLE INSULATED	I/A7.I2	5/A7.I2	9/A7.I2	2/A7.I2	AWNING	
004	i	2'-6 1/2" X 2'-10"	NEW	LOW-E DOUBLE INSULATED	I/A7.I2	5/A7.I2	9/A7.I2	2/A7.I2	AMNING	
005	2	3'-5 I/2" X 2'-II I/4"	NEW	LOW-E DOUBLE INSULATED	I/A7.II	5/A7.II	9/A7.II	6/A7.I2	DH	56
006	2	2'-l I/2" X 2'-5 I/2"	NEW	LOW-E DOUBLE INSULATED	I/A7.II	5/A7.II	9/A7.II	6/A7.I2	DH	56
007	2	3'-6" X 3'-1"	NEW	LOW-E DOUBLE INSULATED	1/A7.11	5/A7.II	9/A7.II	6/A7.12	DH	56
008	3	2'-6" X 4'-1 1/2"	NEW	LOW-E DOUBLE INSULATED	I/A7.II	5/A7.II	9/A7.II	6/A7.12	DH	NEW OPENING; SG
000	3	2'-6" X 4'-1 1/2"	NEW	LOW-E DOUBLE INSULATED	1/A7.11	J/A 1.11	9/A7.11	6/A7.12	DH	<u>'</u>
	3		NEW			E/A711			DH	NEW OPENING; SG
OlO		2'-6" X 4'-1 1/2"		LOW-E DOUBLE INSULATED	I/A7.II	5/A7.II	9/A7.II	6/A7.I2		NEW OPENING; SG
Oll	2	2'-6" X 4'-1 1/2"	NEW	LOW-E DOUBLE INSULATED	I/A7.II	5/A7.II	9/A7.II	6/A7.I2	DH	ENLARGED OPENING
0 2	2	2'-6" X 4'-6 1/2"	NEW	LOW-E DOUBLE INSULATED	/A7.	5/A7.II	9/A7.II	6/A7.I2	DH	ENLARGED OPENING, SG
013	2	2'-6" X 4'-6 1/2"	NEW	LOW-E DOUBLE INSULATED	1/A7.11	5/A7.II	9/A7.II	6/A7.I2	DH	ENLARGED OPENING, SG BOTH LITES
014	2	3'-6" X 4'-6 I/2"	NEW	LOW-E DOUBLE INSULATED	I/A7.II	5/A7.II	9/A7.II	6/A7.I2	DH	ENLARGED OPENING; SG BOTH LITES
101	4	3'-4" X 6'-1"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH W/ TRANSOM	SG BOT. PANE & LOWER 4 LITES IN UPPER SASH
102	4	3'-4" X 6'-1"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH W/ TRANSOM	
103	4	3'-4" X 6'-I"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH W TRANSOM	
104	4	3'-4" X 6'-I"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH W/ TRANSOM	SG BOT. PANE & LOWER 4 LITES IN UPPER SASH
105	5	- 0" X 4'-6  /2"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH	
106	6	3'-4" X 4'-6 1/2"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH	
100	5	1'-10" X 4'-6 1/2"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH	
108	7	2'-7" X 4'-5"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.11		6/A7.I2	DH	REFRAMED OPENING
100	9		NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.11		0// 1.12	DH	NEI RAPIED OF EMINO
		3'-4" X 4'-5"	NEW				-	10/4712		NEW ODENING
110	10	2'-2" X 3'-4"		LOW-E DOUBLE INSULATED	4/A7.II	8/A7.II	12/A7.II	10/A7.12	CASEMENT	NEW OPENING
	10	2'-2" X 3'-4"	NEW	LOW-E DOUBLE INSULATED	4/A7.II	8/A7.II	12/A7.11	10/A7.12	CASEMENT	NEW OPENING
II2	10	2'-2" X 3'-4"	NEW	LOW-E DOUBLE INSULATED	4/A7.II	8/A7.II	12/A7.II	10/A7.12	CASEMENT	NEW OPENING
113	10	2'-2" X 3'-4"	NEW	LOW-E DOUBLE INSULATED	4/A7.II	8/A7.II	12/A7.II	10/A7.12	CASEMENT	NEW OPENING
4	10	2'-2" X 3'-4"	NEW	LOW-E DOUBLE INSULATED	4/A7.II	8/A7.II	12/A7.II	10/A7.12	CASEMENT	NEW OPENING
II5	10	2'-2" X 3'-4"	NEW	LOW-E DOUBLE INSULATED	4/A7.II	8/A7.II	12/A7.II	10/A7.12	CASEMENT	NEW OPENING
116	10	2'-2" X 3'-4"	NEW	LOW-E DOUBLE INSULATED	4/A7.II	8/A7.II	12/A7.II	10/A7.12	CASEMENT	NEW OPENING
117	10	2'-2" X 3'-4"	NEW	LOW-E DOUBLE INSULATED	4/A7.II	8/A7.II	12/A7.11	10/A7.12	CASEMENT	NEW OPENING
118	10	2'-2" X 3'-4"	NEW	LOW-E DOUBLE INSULATED	4/A7.II	8/A7.II	12/A7.11	10/A7.12	CASEMENT	NEW OPENING
119	8	2'-7" X 4'-5"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH	
120	7	2'-7" X 4'-4 I/2"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	/A7.	6/A7.I2	DH	
121	7	2'-7" X 4'-4 1/2"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	II/A7.II	6/A7.I2	DH	
122	7	2'-7" X 3'-8 I/2"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	II/A7.II	6/A7.12	DH	
123	7	2'-6" X 3'-8 I/2"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	T/A7.II	II/A7.II	6/A7.12	DH	
124	9	3'-4" X 4'-5"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	II/A7.II		DH	
125	П	2'-7" X 4'-4 I/2"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	II/A7.II	6/A7.I2	DH W/ TRANSOM	REFRAMED OPENING
126	П	2'-7" X 4'-4 I/2"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	II/A7.II	6/A7.I2	DH W/ TRANSOM	REFRAMED OPENING
127	5	l'-9 3/4" X 3'-11 1/2"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH	
128	6	3'-4" X 3'-II I/2"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH	
129	5	l'-9 3/4" x 3'-11 1/2"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		DH	
130	7	2'-5 1/2" X 4'-4 3/8"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	II/A7.II	6/A7.12	DH	REFRAMED OPENING
131	7	2'-6 3/4" X 4'-4 3/8"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	II/A7.II	6/A7.I2	DH	REFRAMED OPENING
132	7	2'-7" X 4'-4 1/2"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	II/A7.II	6/A7.I2	DH	REFRAMED OPENING
133	7	2'-7" X 4'-4 I/2"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	/A7.	6/A7.I2	DH	REFRAMED OPENING
134	7	2'-7" X 4'-4 I/2"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	/A7.	6/A7.12	DH	
10 1	7	2'-7" X 4'-4 1/2"	NEW	LOW-E DOUBLE INSULATED	3/A7.II	7/A7.II	II/A7.II	6/A7.I2	DH	
135					3/A7.II	7/A7.II	II/A7.II		DH	
135	9	3'-4" X 4'-4 I/2"	N±W	LON-E DOUDLE INSULATED	0// \				i - ·	
135 136	•	3'-4" X 4'-4 I/2" 2'-2" X 3'-4"	NEW REFURB.	LOW-E DOUBLE INSULATED  EX SINGLE GLAZING			+		FIXFD	NO FINISH AT INTERIOR
135 136 204	12	2'-2" X 3'-4"	REFURB.	EX. SINGLE GLAZING	2/A7.II	6/A7.II	10/A7.11		FIXED	NO FINISH AT INTERIOR
135 136	•						+		FIXED FIXED FIXED	NO FINISH AT INTERIOR NO FINISH AT INTERIOR NO FINISH AT INTERIOR

# LEGEND

DH - DOUBLE HUNG SG - SAFETY GLASS, BOTTOM LITE ONLY, U.N.O.

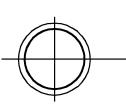
NOTES:

I. EXISTING WINDOWS ARE SINGLE PANE, WITH DEFAULT U-FACTOR OF I.I AND SHGC 0.61

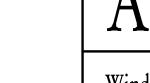
2. ALL REFURBISHED EX. WINDOWS TO BE WEATHERSTRIPPED

3. NEW WINDOWS WILL BE LOW-E, ARGON FILLED INSULATED GLAZING, MINIMUM NFRC U-FACTOR 0.33 AND SHGC 0.30

GROSS WALL AREA: 3,271 SF GLAZING AREA: 709.7 SF PERCENTAGE GLAZING: 21.6%



Window Schedule



Kirkland City Hall Annex Rehabilitation

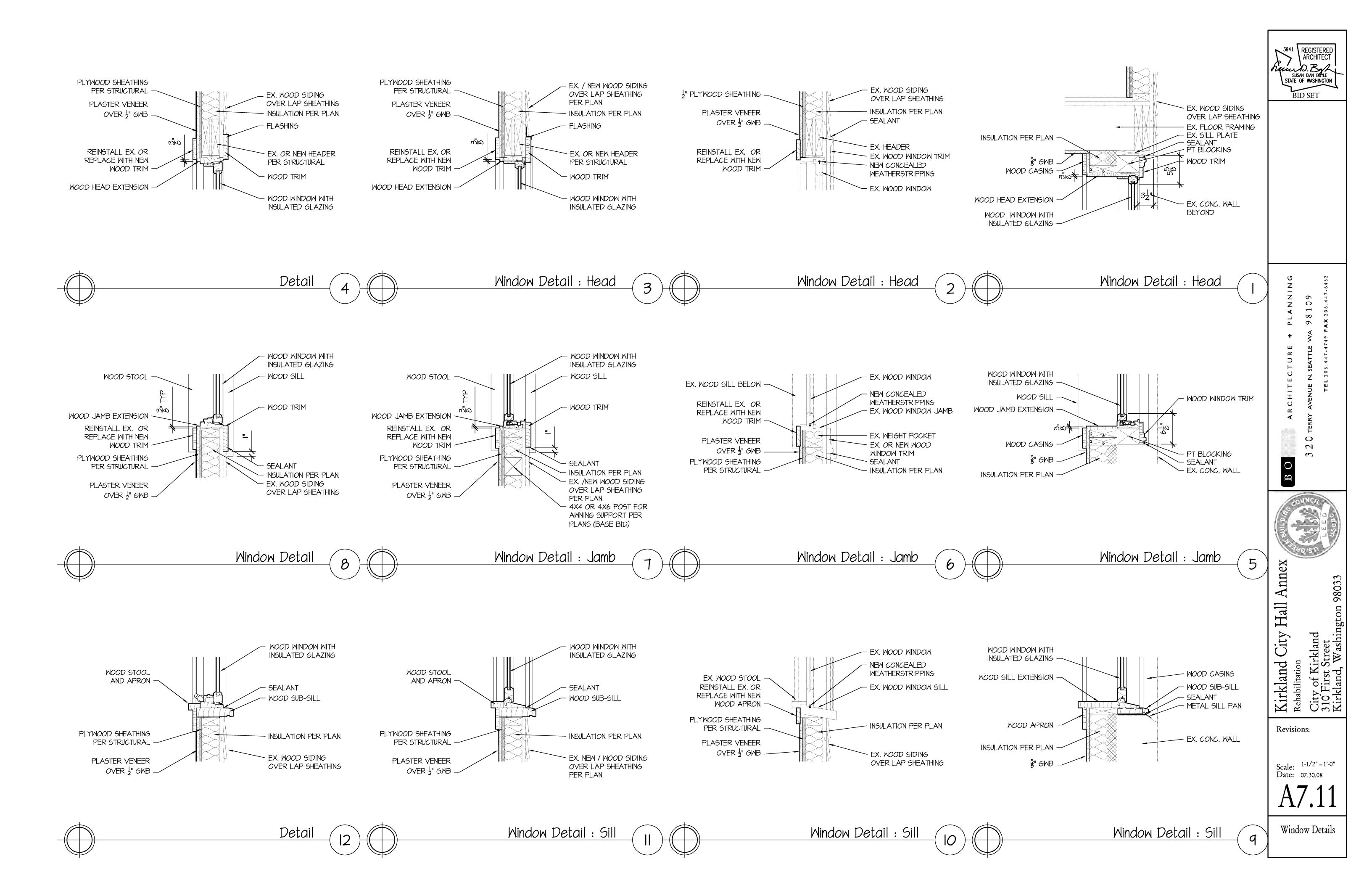
Revisions:

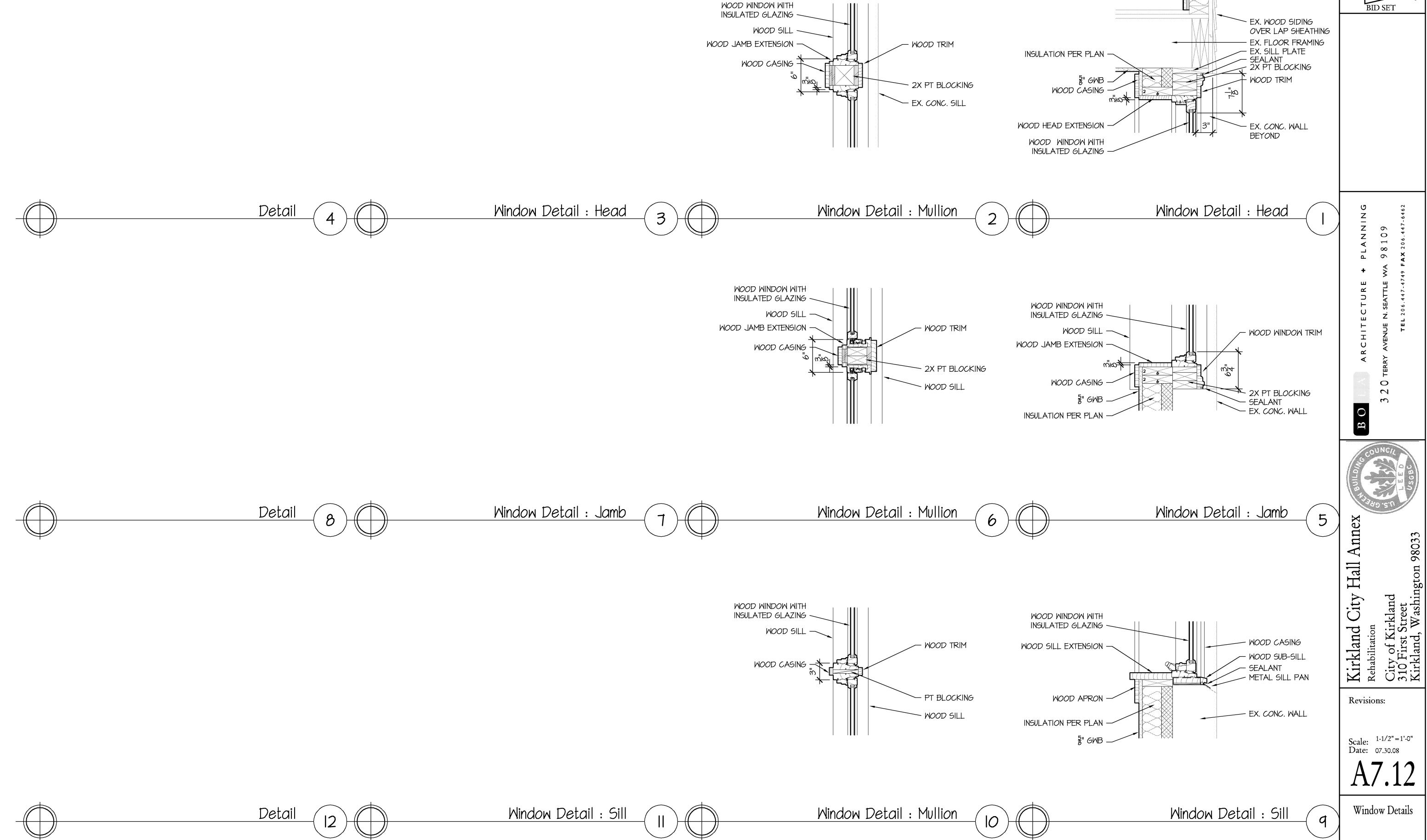
Scale: NONE Date: 07.30.08

Window Schedule and Types

SUSAN DIAN BOYLE STATE OF WASHINGTON

BID SET





DOOR SCHEDILLE

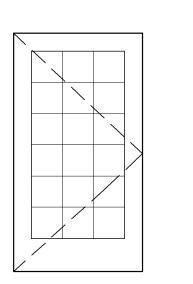
DOOR 50 DOOR	LEAF	LEAF SIZE	THICK	FRAME	T DO	OOR		DFT	AILS	HDWARE	TRIM	RATING	FINISH	DOOR	NOTES	DOOR
NO.	"	(HXM)	1111011	MATL	TYPE	MAT'L	HEAD	JAMB	THOLD	MULLION GROUP	TYPE			CLOSER		NO.
DOOI		7'-0"X3'-0"	I-3/4"	MD	С	MD				6			STD		KEY CARD ACCESS; (BY OTHERS), PROVIDE PANIC HOWR	DOOI
D002		6'-8"X3'-0"	I-3/4"	MD	D	MD				6.1			PTD		KEY CARD ACCESS (BY OTHERS)	D002
D003		6'-8"X3'-0"	1-3/4"	MD	F	MD	2/A7.2I	6/A7.2I	10/A7.21	3			PTD	Y		D003
D004		6'-8"X2'-6"	I-3/4"	MD	F	MD	2/A7.2I	6/A7.2I	10/A7.21	4			PTD			D004
D005		6'-8"X3'-0"	I-3/4"	MD	F	MD	2/A7.2I	6/A7.2I	10/A7.21	4			PTD			D005
D006		6'-8"X3'-0"	I-3/4"	MD	F	MD	2/A7.2I	6/A7.2I	10/A7.21	I			PTD			D006
D007		6'-8"X3'-0"	I-3/4"	MD	6	MD	2/A7.2I	6/A7.2I	10/A7.21	2			PTD			D007
D008		6'-8"X3'-0"	1-3/4"	HM	Н	MD	I/A7.2I	5/A7.2I	9/A7.21	5		3 HR	PTD			D008
D009		6'-8"X3'-0"	I-3/4"	MD	G	MD	2/AT.2I	6/A7.2I	10/A7.21	1.1			PTD			D009
DOIO		6'-8"X2'-6"	1-3/4"	MD	Н	MD				4			PTD			DOIO
DOII		6'-8"X3'-0"	1-3/4"	MD	G	MD	2/A7.2I		10/A7.21	1.1			PTD		UNDERCUT DOOR I"	DOII
DOI2		6'-0"X2'-0"	1-3/4"	MD	Н	MD	2/A7.2I	6/A7.2I	10/A7.21	4			PTD			D012
DIOI	PR	6'-8"X2'-6"	I-3/4"	MD	A	MD				7			STD		EXISTING. STRIP AND STAIN; ADD WEATHERSTRIPPING; RETAIN PANIC HARDWARE	DIOI
DIO2		6'-8"X3'-7"	1-3/4"	MD	A	MD				6			STD		EXISTING. STRIP AND STAIN; ADD WEATHERSTRIPPING; KEY CARD ACCESS (BY OTHERS) PROVIDE PANIC HDWR	DIO2
DI03	PR	6'-8"X2'-6"	1-3/4"	MD	В	MD				7			STD		EXISTING. STRIP AND STAIN; ADD WEATHERSTRIPPING; RETAIN EX. PANIC HARDWARE	DI03
DI04	PR	6'-8"X2'-6"	I-3/4"	MD	E	MD				8			PTD		EXISTING	DIO4
DI05		6'-8"X3'-0"	I-3/4"	MD	6	MD				2			PTD			DI05
DI06		6'-8"X2'-6"	I-3/4"	MD	Н	MD	2/A7.2I	6/A7.2I	10/A7.21	4			PTD		EXISTING	DI06
D107		6'-8"X3'-0"	1-3/4"	MD	F	MD	2/A7.2I	6/A7.2I	10/A7.21	3			PTD	Y		DI07
DI08		6'-8"X3'-0"	1-3/4"	MD	F	MD	2/A7.2I	6/A7.2I	10/A7.21	3			PTD	Y		DI08
DI09		6'-8"X2'-5"	I-3/4"	MD	Н	MD	2/A7.2I	6/A7.2I	10/A7.21	4			PTD			D109
DIIO		6'-8"X3'-0"	1-3/4"	MD	Н	MD	2/A7.2I	6/A7.2I	10/A7.21	4			PTD		EXISTING	DIIO

LEGEND EX. PR EXISTING PAIR PAINTED

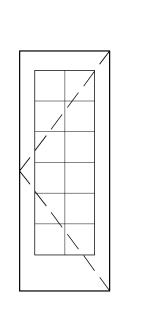
PTD SG STD SAFETY GLASS STAINED MOOD MD

GENERAL NOTES:

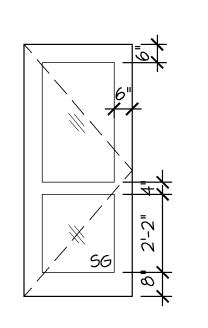
ALL HARDWARE SHALL BE ADA-COMPLIANT



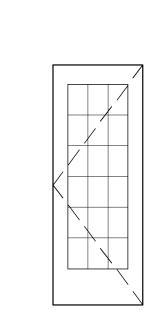
TYPE A EXTERIOR EXISTING



TYPE B EXTERIOR EXISTING

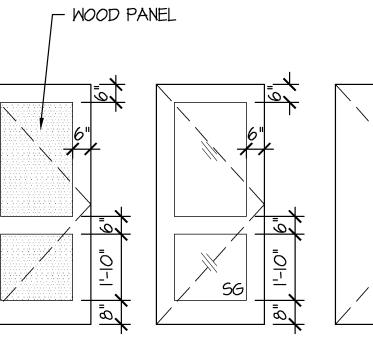


TYPE C EXTERIOR

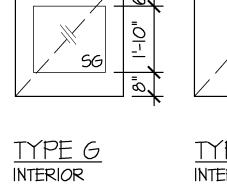


TYPE E INTERIOR EXISTING

TYPE D EXTERIOR

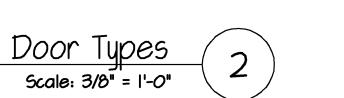


TYPE F INTERIOR



Door Schedule

TYPE H INTERIOR



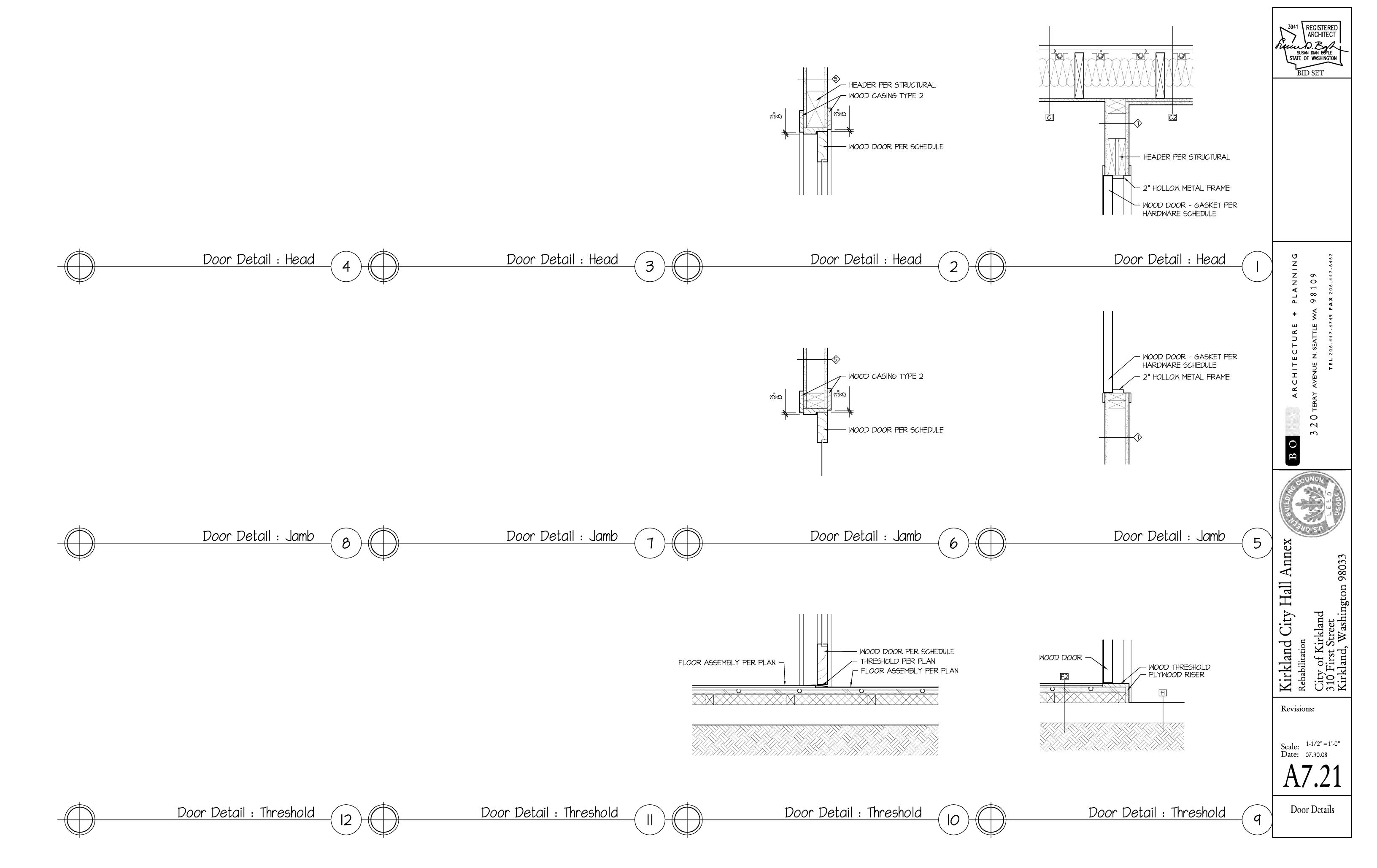


Kirkland City Hall Annex
Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washington 98033

Revisions:

Scale: NONE Date: 07.30.08

Door Schedule and Types



### **CRITERIA**

- 1. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (2006)
- 2. DESIGN LOADING CRITERIA

ROOF LIVE LOAD
EARTHQUAKE ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE  LATERAL SYSTEM: LIGHT FRAMED SHEAR WALLS, Vs = 15 KIPS
SITE CLASS=D, Ss=123, Sds=83, S1=42, SD1=44, Cs=0.127
SDC D, Ie=1.0, R=6.5

#### SEE PLANS FOR ADDITIONAL LOADING CRITERIA

- 3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- 4. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED.
- 5. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS. TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE CONTRACTORS WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES TO THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE
- 7. CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT
- 8. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER.

#### **QUALITY ASSURANCE**

9. SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SECTIONS 109 AND 1704 OF THE INTERNATIONAL BUILDING CODE BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE ARCHITECT, AND RETAINED BY THE BUILDING OWNER. THE ARCHITECT, STRUCTURAL ENGINÉER. AND BUILDING DEPARTMENT SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION AND TEST RESULTS. SPECIAL INSPECTION OF THE FOLLOWING TYPES OF CONSTRUCTION

> SOIL CONDITIONS, FILL PLACEMENT, AND DENSITY PER SOILS REPORT EXPANSION BOLTS AND THREADED EXPANSION INSERTS PER MANUFACTURER EPOXY GROUTED INSTALLATIONS PER MANUFACTURER

- 10. UNLESS OTHERWISE NOTED, THE FOLLOWING ELMENTS COMPRISE THE SEISMIC-FORCE-RESISTING SYSTEM AND ARE SUBJECT TO SPECIAL INSPECTION FOR SEISMIC RESISTANCE IN ACCORDANCE WITH SECTION 1707 OF THE INTERNATIONAL BUILDING
  - A. STRUCTURAL WOOD SHEAR WALL SYSTEMS REQUIRE PERIODIC INSPECTION FOR NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC FORCE RESISTING SYSTEM INCLUDING DRAG STRUTS, BRACES AND HOLDOWNS.

# **GEOTECHNICAL**

11. FOUNDATION NOTES: ALLOWABLE SOIL PRESSURE AND LATERAL EARTH PRESSURE ARE ASSUMED AND THEREFORE MUST BE VERIFIED BY A QUALIFIED SOILS ENGINEER OR APPROVED BY THE BUILDING OFFICIAL. IF SOILS ARE FOUND TO BE OTHER THAN ASSUMED, NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION REDESIGN.

FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH AT LEAST 18" BELOW ADJACENT FINISHED GRADE. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS ABOVE.

BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE.

COEFICIENT OF FRICTION (FACTOR OF SAFETY OF 1.5 INCLUDED). . . . . . . 0.3

## **RENOVATION**

- 12. DEMOLITION: CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO SUPPORT EXISTING CONSTRUCTION AS REQUIRED AND IN A MANNER SUITABLE TO THE WORK SEQUENCES. DEMOLITION DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD THE EXISTING STRUCTURE. LIMIT CONSTRUCTION LOADING (INCLUDING DEMOLITION DEBRIS) ON EXISTING FLOOR SYSTEMS TO 40 PSF.
- 13. EXISTING REINFORCING SHALL BE SAVED WHERE AND AS NOTED ON THE PLANS. SAW CUTTING, IF AND WHERE USED, SHALL NOT CUT EXISTING REINFORCING THAT IS TO BE SAVED.
  - ALL NEW OPENINGS THROUGH EXISTING WALLS, SLABS AND BEAMS SHALL BE ACCOMPLISHED BY SAW CUTTING WHEREVER POSSIBLE.
  - CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LOCATION OF MEMBERS PRIOR TO CUTTING ANY OPENINGS. SMALL ROUND OPENINGS SHALL BE ACCOMPLISHED BY CORE DRILLING,
  - IF POSSIBLE
    - WHERE NEW REINFORCING TERMINATES AT EXISTING CONCRETE, DOWELS EPOXY GROUTED INTO EXISTING CONCRETE SHALL BE PROVIDED TO MATCH HORIZONTAL REINFORCING, UNLESS OTHERWISE NOTED ON PLANS.

14. CONTRACTOR SHALL CHECK FOR DRYROT AT ALL AREAS OF NEW WORK. ALL ROT SHALL BE REMOVED AND DAMAGED MEMBERS SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE STRUCTURAL ENGINEER OR ARCHITECT.

#### **CONCRETE**

- 15. CONCRETE SHALL BE MIXED, PROPORTIONED. CONVEYED AND PLACED IN ACCORDANCE WITH IBC SECTION 1905, 1906 AND ACI 301, INCLUDING TESTING PROCEDURES. CONCRETE SHALL ATTAIN A 28-DAY STRENGTH OF f'c = 3,000 PSI AND MIX SHALL CONTAIN NOT LESS THAN 5-1/2 SACKS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED TO PRODUCE A SLUMP OF 5" OR LESS.
- 16. THE MINIMUM AMOUNTS OF CEMENT MAY BE CHANGED IF A CONCRETE PERFORMANCE MIX IS SUBMITTED TO THE STRUCTURAL ENGINEER AND THE BUILDING DEPARTMENT FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE PERFORMANCE MIX SHALL INCLUDE THE AMOUNTS OF CEMENT, FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES AS WELL AS THE WATER CEMENT RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH IBC 1905. 6. THE USE OF A PERFORMANCE MIX REQUIRES BATCH PLANT INSPECTION, THE COST OF WHICH SHALL BE PAID BY THE GENERAL CONTRACTOR. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THAT INFORMATION PRESENTED CONFORMS GENERALLY WITH CONTRACT DOCUMENTS. CONTRACTOR OR SUPPLIER MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.
- 17. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1) GRADE 60, fy = 60,000 PSI. EXCEPTIONS: ANY BARS SPECIFICALLY SO NOTED ON THE DRAWINGS SHALL BE GRADE 40, fy = 40,000 PSI. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. SPIRAL REINFORCEMENT SHALL BE PLAIN WIRE CONFORMING TO ASTM A615, GRADE 60, fy = 60,000 PSI.
- 18. DETAILING OF REINFORCING STEEL (INCLUDING HOOKS AND BENDS) SHALL BE IN ACCORDANCE WITH ACI 315-99 AND 318-05. LAP ALL CONTINUOUS REINFORCEMENT #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS. LAP CORNER BARS #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. LAPS OF LARGER BÄRS SHALL BE MADE IN ACCORDANCE WITH ACI 318-05, CLASS B. LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.
- NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.
- 19. CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
- FOOTINGS AND OTHER UNFORMED SURFACES CAST AGAINST AND PERMANENTLY EXPOSED FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#6 BARS OR LARGER). . . . . 2 FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#5 BARS OR SMALLER) . . 1-1/2" SLABS AND WALLS (INT. FACE). . . . GREATER OF BAR DIAMETER PLUS 1/8" OR 3/4"
- 20. CONCRETE WALL REINFORCING--PROVIDE THE FOLLOWING UNLESS DETAILED OTHERWISE:

6" WALLS	## 8 16 HODI7	WA A 10 VEDITON	4 OUDTAIN
	#4 @ 16 HORIZ.	#4 @ 18 VERTICAL	1 CURTAIN
8" WALLS	#4 @ 12 HORIZ.	#4 @ 18 VERTICAL	1 CURTAIN
10" WALLS	#4 @ 18 HORIZ.	#4 @ 18 VERTICAL	2 CURTAINS
12" WALLS	#4 @ 16 HORIZ.	#4 @ 18 VERTICAL	2 CURTAINS

- 21. CAST-IN-PLACE CONCRETE: SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF DOOR AND WINDOW OPENINGS IN ALL CONCRETE WALLS. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF MISCELLANEOUS MECHANICAL OPENINGS THROUGH CONCRETE WALLS. SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE, AND OTHER FINISH DETAILS AT ALL EXPOSED CONCRETE SURFACES, BOTH CAST-IN-PLACE AND
- 22. NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. GROUT STRENGTH SHALL BE AT LEAST EQUAL TO THE MATERIAL ON WHICH IT IS PLACED (3000 PSI MINIMUM).

## **ANCHORAGE**

- 23. EXPANSION BOLTS INTO CONCRETE AND CONCRETE MASONRY UNITS SHALL BE WEDGE-ALL ANCHORS AS MANUFACTURED BY THE SIMPSON STRONG TIE COMPANY AND INSTALLED IN STRICT CONFORMANCE TO ICC-ES REPORT NUMBER ESR-1396, INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. BOLTS INTO CONCRETE MASONRY OR BRICK MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. SPECIAL INSPECTION IS REQUIRED FOR ALL EXPANSION BOLT INSTALLATION.
- 24. EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BAR) SPECIFIED ON THE DRAWINGS SHALL BE INSTALLED USING "SET" HIGH STRENGTH ÉPOXY AS MANUFACTURED BY THE SIMPSON STRONG TIE COMPANY, INSTALL IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-1772. SPECIAL INSPECTION OF INSTALLATION IS REQUIRED. RODS SHALL BE ASTM A-36 UNLESS OTHERWISE NOTED.
- 25. CRACKS IN EXISTING FOUNDATION WALLS WITH THICKNESS GREATER THAN 3/8" SHALL BE PRESSURE INJECTED WITH SIKADUR 35 HI-MOD LV EPOXY OR CONTRACTOR PROPOSED AND ENGINEER APPROVED EQUAL. INJECTION SHALL MEET MANUFACTURER'S RECOMMENDATION FOR SPECIFIED GROUT.

## WOOD

26. FRAMING LUMBER SHALL BE KILN DRIED OR MC-19, AND GRADED AND MARKED IN CONFORMANCE WITH W. C. L. B. STANDARD GRADING RULES FOR WEST COAST LUMBER NO. 17. FURNISH TO THE FOLLOWING MINIMUM STANDARDS:

17. FURNISH	TO THE FOLLOWING MINIMUM	2 I VINTVKD2.
JOISTS AND BEAMS:	(2X & 3X MEMBERS)	HEM-FIR NO. 2 MINIMUM BASE VALUE, Fb = 850 PSI
	(4X MEMBERS)	DOUGLAS FIR-LARCH NO. 1 MINIMUM BASE VALUE, Fb = 1000 PSI
BEAMS:	(INCL. 6X AND LARGER)	DOUGLAS FIR-LARCH NO. 1 MINIMUM BASE VALUE, Fb = 1350 PSI
POSTS:	(4X MEMBERS)	DOUGLAS FIR-LARCH NO. 2 MINIMUM BASE VALUE, Fc = 1350 PSI
	(6X AND LARGER)	DOUGLAS FIR-LARCH NO. 1 MINIMUM BASE VALUE, Fc = 1000 PSI
STUDS, PLATES	S & MISC. FRAMING:	DOUGLAS-FIR-LARCH OR HEM-FIR NO. 2

- 27. GLUED LAMINATED MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH ASTM AND AITC STANDARDS. EACH MEMBER SHALL BEAR AN A. I. T. C. IDENTIFICATION MARK AND SHALL BE ACCOMPANIED BY AN A. I. T. C. CERTIFICATE OF CONFORMANCE. ALL SIMPLE SPAN BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V4, Fb = 2,400 PSI, Fv = 265 PSI. ALL CANTILEVERED BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V8, Fb = 2400 PSI, Fv = 265 PSI. CAMBER ALL SIMPLE SPAN GLULAM BEAMS TO 3,000' RADIUS, UNLESS SHOWN OTHERWISE ON THE PLANS.
- 28. MANUFACTURED LUMBER, PSL, LVL, AND LSL, SHALL BE MANUFACTURED UNDER A PROCESS APPROVED BY THE NATIONAL RESEARCH BOARD. EACH PIECE SHALL BEAR A STAMP OR STAMPS NOTING THE NAME AND PLANT NUMBER OF THE MANUFACTURER, THE GRADE, THE NATIONAL RESEARCH BOARD NUMBER, AND THE QUALITY CONTROL AGENCY. ALL PSL, LVL, AND LSL LUMBER SHALL BE MANUFACTURED IN ACCORDANCE WITH ICC-ES REPORT ESR-1387 USING DOUGLAS FIR VENEER GLUED WITH A WATERPROOF ADHESIVE MEETING THE REQUIREMENTS OF ASTM D2559 WITH ALL GRAIN PARALLEL WITH THE LENGTH OF THE MEMBER. THE MEMBERS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

Fb = 2900 PSI, E = 2000 KSI, Fv = 290 PSIFb = 2600 PSI, E = 1900 KSI, Fv = 285 PSILVL (1.9E) Fb = 2325 PSI, E = 1550 KSI, Fv = 310 PSI

DESIGN SHOWN ON PLANS IS BASED ON LUMBER MANUFACTURED BY THE WEYERHAEUSER CORPORATION. ALTERNATE MANUFACTURERS MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER. ALTERNATE JOIST HANGERS AND OTHER HARDWARE MAY BE SUBSTITUTED FOR ITEMS SHOWN PROVIDED THEY HAVE ICC APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. ALL JOIST HANGERS AND OTHER HARDWARE SHALL BE COMPATIBLE IN SIZE WITH MEMBERS PROVIDED.

MANUFACTURED LUMBER PRODUCTS SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAMS FROM EXCEEDING 12%. EXCESSIVE DEFLECTIONS MAY OCCUR IF MOISTURE CONTENT EXCEEDS THIS VALUE.

- 29. PLYWOOD SHEATHING SHALL BE GRADE C-D, EXTERIOR GLUE OR STRUCTURAL II EXTERIOR GLUE IN CONFORMANCE WITH DOC PS 1. ORIENTED STRAND BOARD OF EQUIVALENT THICKNESS, EXPOSURE RATING AND PANEL INDEX MAY BE USED IN LIEU OF PLYWOOD.
- ROOF SHEATHING SHALL BE 1/2" (NOMINAL) WITH SPAN RATING 32/16.
- FLOOR SHEATHING SHALL BE 3/4" (NOMINAL) WITH SPAN RATING 48/24.
- WALL SHEATHING SHALL BE 1/2" (NOMINAL) WITH SPAN RATING 24/0.
- REFER TO WOOD FRAMING NOTES BELOW FOR TYPICAL NAILING REQUIREMENTS.
- 30. ALL WOOD IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED WITH AN APPROVED PRESERVATIVE OR (2) LAYERS OF ASPHALT IMPREGNATED BUILDING PAPER SHALL BE PROVIDED BETWÈEN UNTREATED WOOD AND CONCRETE OR MASONRY.
- 31. PRESSURE TREATED WOOD SHALL BE TREATED PER AWPA STANDARD. PRESSURE TREATED WOOD FOR ABOVE GROUND USE SHALL BE TREATED TO A RENTION OF 0.25 PCF. WOOD IN CONTINUOUS CONTACT WITH FRESH WATER OR SOIL SHALL BE TREATED TO A RETENTION OF 0.40 PCF. WOOD FOR USE IN PERMANENT FOUNDATIONS SHALL BE TREATED TO A RETENTION OF 0.60 PCF. SODIUM BORATE (SBX) TREATED WOOD SHALL NOT BE USED WHERE EXPOSED TO WEATHER. FASTENERS AND TIMBER CONNECTORS IN DIRECT CONTACT WITH ACQ-A, CBA-A, CA-B, OR SBX TREATED WOOD SHALL BE G185 OR A185 HOT DIPPED OR CONTINUOUS HOT-GALVANIZED PER ASTM A653. FASTENERS AND TIMBER CONNECTORS IN DIRECT CONTACT WITH ACZA TREATED WOOD SHALL BE TYPE 304 OR 316 STAINLESS STEEL.
- 32. TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NUMBER C-2008. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED. PROVIDED THEY HAVE ICC-ES APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES, PROVIDE NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- ALL 2X JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "LUS" SERIES JOIST HANGERS. ALL TJI JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "ITT" SERIES JOIST HANGERS. ALL DOUBLE-JOIST BEAMS SHALL BE CONNECTED TO FLUSH BEAMS WITH "MIT" SERIES JOIST HANGERS.
- WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE NAILS OR BOLTS IN EACH MEMBER.
- ALL SHIMS SHALL BE SEASONED AND DRIED AND THE SAME GRADE (MINIMUM) AS MEMBERS CONNECTED.
- 33. WOOD FASTENERS
- A. NAIL SIZES SPECIFIED ON DRAWINGS ARE BASED ON THE FOLLOWING SPECIFICATIONS:

LENGTH	DIAMETER
2"	0. 113"
2-1/2"	0. 131"
3 <b>"</b>	0. 148"
3-1/4"	0. 148"
3-1/2"	0. 135"
	2" 2-1/2" 3" 3-1/4"

IF CONTRACTOR PROPOSES THE USE OF ALTERNATE NAILS, THEY SHALL SUBMIT NAIL SPECIFICATIONS TO THE STRUCTURAL ENGINEER (PRIOR TO CONSTRUCTION) FOR REVIEW AND APPROVAL.

NAILS - PLYWOOD (APA RATED SHEATHING) FASTENERS TO FRAMING SHALL BE DRIVEN FLUSH TO FACE OF SHEATHING WITH NO COUNTERSINKING PERMITTED.

B. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG BOLTS BEARING ON WOOD. INSTALLATION OF LAG BOLTS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (2005 EDITION) WITH A LEAD BORE HOLE OF 60 TO 70 PERCENT OF THE SHANK DIAMETER. LEAD HOLES ARE NOT REQUIRED FOR 3/8" AND SMALLER LAG SCREWS.

- 34. WOOD FRAMING NOTES--THE FOLLOWING APPLY UNLESS OTHERWISE SHOWN ON THE PLANS:
  - ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE INTERNATIONAL BUILDING CODE. MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO TABLE 2304.9.1. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.
  - WALL FRAMING: REFER ARCHITECTURAL DRAWINGS FOR THE SIZE OF ALL WALLS. ALL STUDS SHALL BE SPACED AT 16" O.C. UNO. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL WALLS AND AT EACH SIDE OF ALL OPENINGS, AND AT BEAM OR HEADER BEARING LOCATIONS. TWO 2x8 HEADERS SHALL BE PROVIDED OVER ALL OPENINGS NOT OTHERWISE NOTED. SOLID BLOCKING FOR WOOD COLUMNS SHALL BE PROVIDED THROUGH FLOORS TO SUPPORTS BELOW. PROVIDE CONTINUOUS SOLID BLOCKING AT MID-HEIGHT OF ALL STUD WALLS OVER 10'-0" IN HEIGHT.

ALL WALLS SHALL HAVE A SINGLE BOTTOM PLATE AND A DOUBLE TOP PLATE. END NAIL TOP PLATE TO EACH STUD WITH TWO 16d NAILS, AND TOENAIL OR END NAIL EACH STUD TO BOTTOM PLATE WITH TWO 16d NAILS. FACE NAIL DOUBLE TOP PLATE WITH 16d @ 12" O.C. AND LAP MINIMUM 4'-0" AT JOINTS AND PROVIDE EIGHT 16d NAILS @ 4" O.C. EACH SIDE JOINT.

ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH TWO ROWS OF 16d NAILS @ 12" ON-CENTER, OR ATTACHED TO CONCRETE BELOW WITH 5/8" DIAMETER ANCHOR BOLTS @ 4'-0" ON-CENTER EMBEDDED 7" MINIMUM, UNLESS INDICATED OTHERWISE. INDIVIDUAL MEMBERS OF BUILT-UP POSTS SHALL BE NAILED TO EACH OTHER WITH TWO ROWS OF 16d @12 ON-CENTER. UNLESS OTHERWISE NOTED, GYPSUM WALLBOARD SHALL BE FASTENED TO THE INTERIOR SURFACE OF ALL STUDS AND PLATES WITH NO. 6 X 1-1/4" TYPE S OR W SCREWS @ 8" ON-CENTER. UNLESS INDICATED OTHERWISE 1/2" (NOMINAL) APA RATED SHEATHING (SPAN RATING 24/0) SHALL BE NAILED TO ALL EXTERIOR SURFACES WITH 8d NAILS @ 6" ON-CENTER AT PANEL EDGES AND TOP AND BOTTOM PLATES (BLOCK UN-SUPPORTED EDGES) AND TO ALL INTERMEDIATE STUDS AND BLOCKING WITH 8d NAILS @ 12" ON-CENTER ALLOW 1/8" SPACING AT ALL PANEL EDGES AND PANEL ENDS.

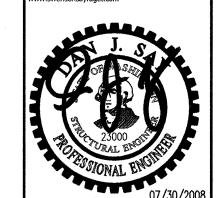
FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT EXTEND OVER MORE THAN HALF THE JOIST LENGTH AND AROUND ALL OPENINGS IN FLOORS OR ROOFS UNLESS OTHERWISE NOTED. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS. TOENAIL JOISTS TO SUPPORTS WITH TWO 16d NAILS. ATTACH TIMBER JOISTS TO FLUSH HEADERS OR BEAMS WITH SIMPSON METAL JOIST HANGERS IN ACCORDANCE WITH NOTES ABOVE. NAIL ALL MULTI-JOIST BEAMS TOGETHER WITH TWO ROWS 16d @ 12" ON-CENTER.

UNLESS OTHERWISE NOTED ON THE PLANS, PLYWOOD ROOF AND FLOOR SHEATHING SHALL BE LAID UP WITH GRAIN PERPENDICULAR TO SUPPORTS AND NAILED AT 6" ON-CENTER WITH 8d NAILS TO FRAMED PANEL EDGES, STRUTS AND OVER STUD WALLS AS SHOWN ON PLANS AND @ 12" ON-CENTER TO INTERMEDIATE SUPPORTS. PROVIDE APPROVED PLYWOOD EDGE CLIPS CENTERED BETWEEN JOISTS. TRUSSES AT UNBLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED T&G JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING. TOENAIL BLOCKING TO SUPPORTS WITH 16d @ 12" ON-CENTER UNLESS OTHERWISE NOTED.

BID SET



SWENSON SAY FAGÉT :124 Third Avenue - Suite 100 - Seattle, WA 981; sh: 206.443.6212 fax: 206.443.4870 www.swensonsayfaget.com



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Y Hall of Kirkland First Street kland, Washir City Kirkland Rehabilitation

Revisions:

Scale: no scale Date: 07.30.08

City 310] Kirk

General Structural Notes

Plan Notes

Legend

Foundation Plan

Scale: 3/16" = 1'-0"

1. EXISTING FOUDATIONS SHALL BE VERIFIED. NOTIFY ENGINEER OF ANY DISCREPANCIES.

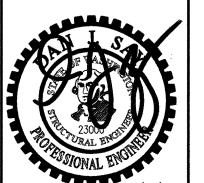
EXISTING CONCRETE FOUNDATION WALL

2. ATTACH ALL POSTS TO EXISTING OR NEW FOUNDATIONS PER 6/S3.1.

BID SET



SWENSON SAY FAGÉT A STRUCTURAL ENGINEERING CORPORATION







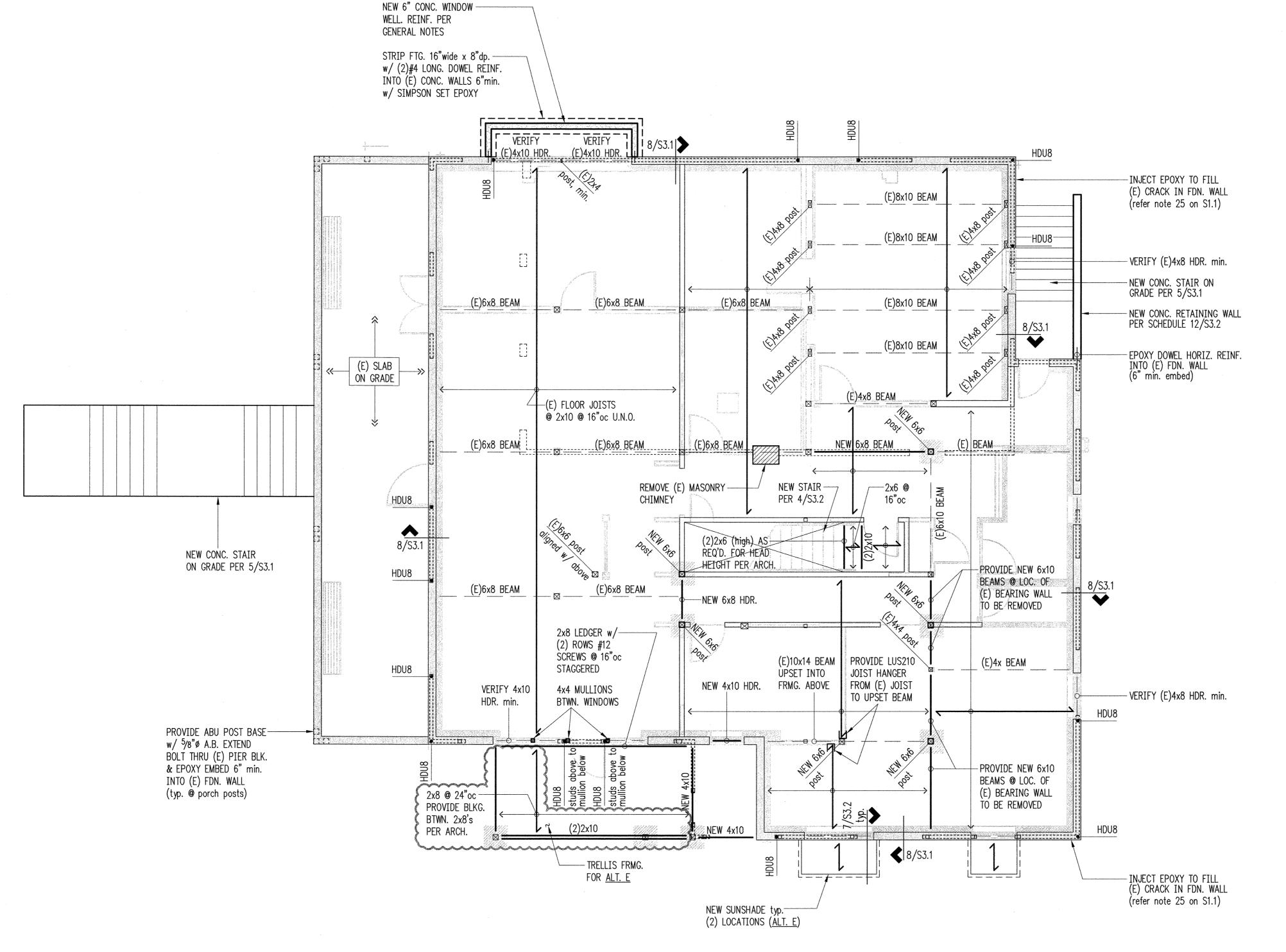
Hall Kirkland City ]
Rehabilitation
City of Kirkland
310 First Street
Kirkland, Washin

Revisions:

Scale: 3/16" = 1'-0" Date: 07.30.08

**Foundation** Plan

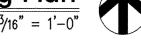
**S2.1** 



Plan Notes 1. EXISTING FRAMING SHOWN SHALL BE VERIFIED. NOTIFY ENGINEER OF ANY DISCREPANCIES.

Legend FLOOR JOISTS First Floor Framing Plan

Scale: 3/16" = 1'-0"



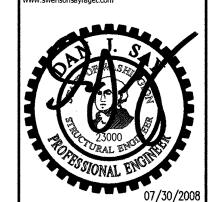
2. EXISTING WALLS SHALL BE REMOVED AS INDICATED ON ARCHITECTURAL PLANS. VERIFY EXISTING WALL ARE NON-BEARING PRIOR TO REMOVAL. NOTIFY ENGINEER OF ANY WALLS IN QUESTION.

3. ALL EXISTING HEADERS SHALL REMAIN. NEW HEADERS SHALL BE AS INDICATED ON PLAN. PROVIDE A MINIMUM OF (2) STUDS BELOW ALL HEADERS AND BEAMS WITH SOLID BEARING TO THE FOUNDATION.

4. ATTACH ALL BEAMS TO FREE STANDING POSTS WITH 1212HT OR 1212HL TIES.

BID SET

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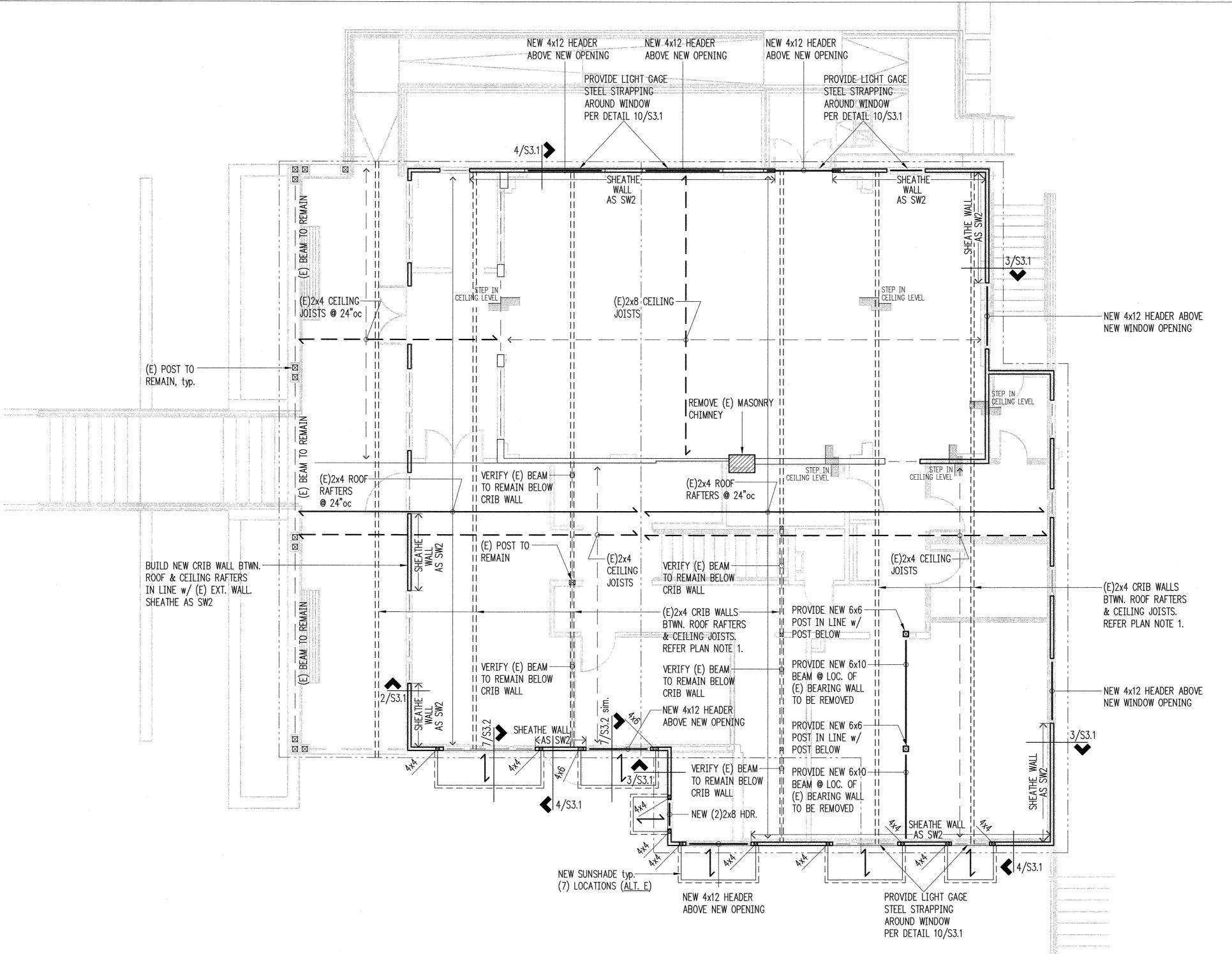
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Kirkland City Hall Annex Rehabilitation

Revisions:

Scale: 3/16" = 1'-0" Date: 07.30.08 First Floor Framing Plan



Roof Framing Plan

Scale: 3/16" = 1'-0" Plan Notes Legend 1. EXISTING FRAMING SHOWN SHALL BE VERIFIED. NOTIFY ENGINEER OF ANY DISCREPANCIES. ROOF RAFTERS 2. DO NOT REMOVE ANY POSTS OR BRACES IN ATTIC SPACE BETWEEN ROOF RAFTERS AND CEILING JOISTS. EXISTING CEILING JOISTS CRIB WALL LOCATIONS SHOULD BE VERIFIED. CRIB WALLS, POSTS, OR BRACES MAY OCCUR IN OTHER AREAS NOT INDICATED ON PLAN. REPAIR ALL CRIB WALLS WITH MISSING STUDS BY ADDING 2x4 STUDS AT 24" ON CENTER. STEP IN FRAMING

CRIB WALL BETWEEN ROOF

WALL BELOW

RAFTERS & CEILING JOISTS

3. SPLICES IN ROOF RAFTERS, WHERE THEY OCCUR, SHOULD BE STRENGTHENED PER DETAIL 1/S3.1.

4. EXISTING WALLS SHALL BE REMOVED AS INDICATED ON ARCHITECTURAL PLANS. VERIFY EXISTING WALL ARE NON-BEARING PRIOR TO REMOVAL. NOTIFY ENGINEER OF ANY WALLS IN QUESTION.

5. SHEATHE EXISTING WALLS WHERE INDICATED ON PLAN WITH CDX PLYWOOD. REFERENCE SHEARWALL SCHEDULE 12/S3.1. ALL SHEARWALLS SHALL EXTEND FROM CONCRETE BASEMENT WALLS, THROUGH ATTIC SPACES TO THE UNDERSIDE OF ROOF SHEATHING.

- 6. ALL EXISTING HEADERS SHALL REMAIN. NEW HEADERS SHALL BE AS INDICATED ON PLAN. PROVIDE A MINIMUM OF (2) STUDS BELOW ALL HEADERS AND BEAMS WITH SOLID BEARING TO THE FOUNDATION.
- 7. ATTACH ALL BEAMS TO FREE STANDING POSTS WITH 1212HT OR 1212HL TIES.
- 8. REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

Revisions:

Kirkland Rehabilitation

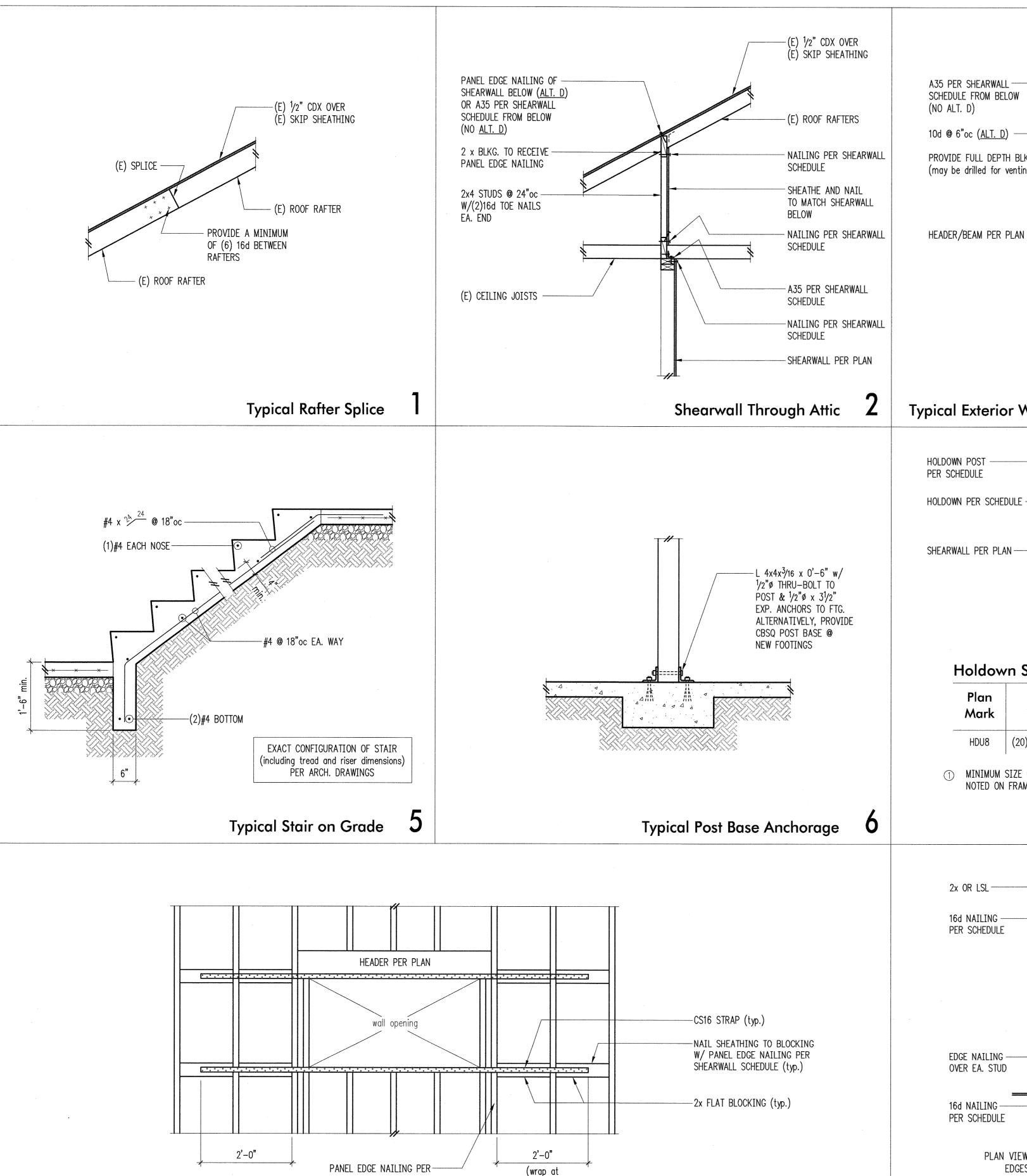
BID SET

SWENSON SAY FAGÉT A STRUCTURAL ENGINEERING CORPORAT

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Scale: 3/16'' = 1'-0''Date: 07.30.08 Roof Framing Plan



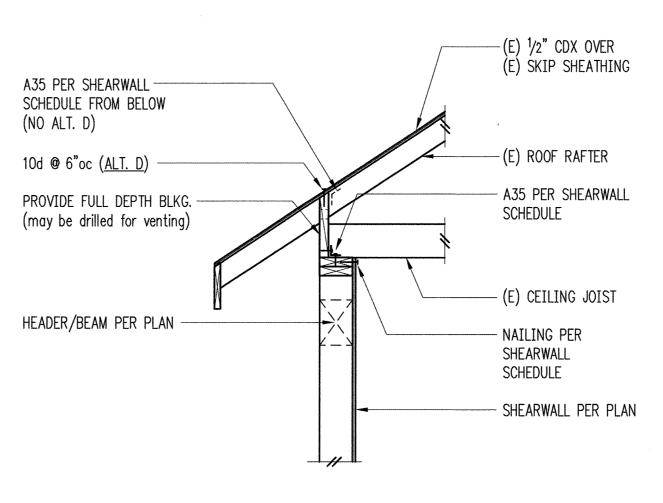
SHEARWALL SCHEDULE AT

FULL HGT. STUDS AROUND

WALL OPENING (typ.)

corner condition)

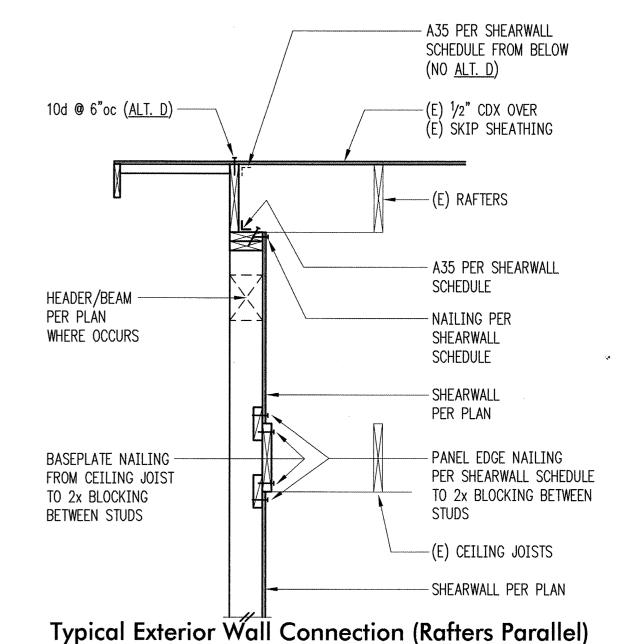
Straps at Wall Opening (above and below) 10

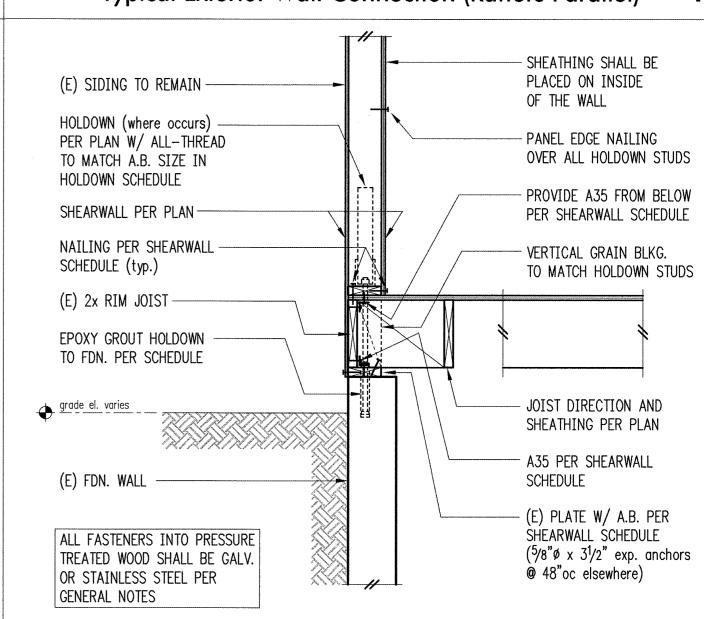


Typical Exterior Wall Connection (Rafters Perpendicular)

Anchor

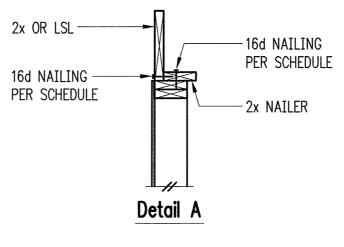
**Embed** 





7 Typical HDQ/HHDQ Holdowi

/n /	Typical Exterior Wall Connection at Foundation



Holdown Schedule

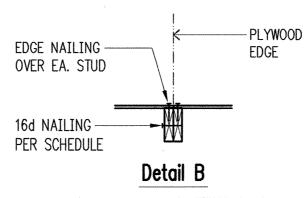
Screws

(20)SDS <sup>1</sup>/4"x2<sup>1</sup>/2"

1 MINIMUM SIZE OF POST AT END OF WALL UNLESS OTHERWISE NOTED ON FRAMING PLANS.

Plan

Mark



PLAN VIEW AT ABUTTING PANEL EDGES OF SW3 & SW4

# Shearwall Schedule 023567

-FRAMING CONT.

WHERE OCCURS

- ALL-THREAD

EMBEDDED IN

Holdown Post ①

if 2x4 | if 2x6

(E) FOUNDATION

W/ SIMPSON SET

Mark	Cl	Panel Edge	Top Plate C	onnection	Base Plate (	Connection
	Sheathing	Nailing	if TJI	if 2x or LSL	at Wood	at Concrete
SW1	1/2" CDX PLYWOOD	8d @ 6"oc	16d @ 6"oc	A35 @ 24"oc	16d @ 6"oc	<sup>5</sup> /8"ø A.B. @ 48"oc
SW2	1/2" CDX PLYWOOD	8d @ 4"oc	16d @ 4"oc	A35 @ 16"oc	16d @ 4"oc	<sup>5</sup> /8"ø A.B. @ 32"oc
SW3 ④	<sup>1</sup> /2" CDX PLYWOOD	8d @ 3"oc	(2)rows 16d @ 6"oc	A35 @ 12"oc	16d @ 3"oc	<sup>5</sup> /8"ø A.B. @ 16"oc
SW4 4	1/2" CDX PLYWOOD	8d @ 2"oc	(2)rows 16d @ 4 <sup>1</sup> /2"oc	A35 @ 9"oc	(2)rows 16d @ 4 <sup>1</sup> /2"oc	<sup>5</sup> /8"ø A.B. @ 12"oc

- ① BLOCK PANEL EDGES WITH 2x LAID FLAT AND NAIL PANELS TO INTERMEDIATE SUPPORTS WITH 8d @ 12"o.c.
- ② 8d NAILS SHALL BE 0.131"  $\neq$  x  $2\frac{1}{2}$ " (common) 16d NAILS SHALL BE 0.135"  $\neq$  x  $3\frac{1}{2}$ " (box)
- ③ EMBED ANCHOR BOLTS AT LEAST 7". EXPANSION BOLTS MAY BE SUBSTITUTED FOR ANCHOR BOLTS WITH 4" EMBEDMENT. ALL BOLTS SHALL HAVE 3" x 3" x 1/4" PLATE WASHERS.
- ④ 3x STUDS OR DOUBLE STUDS NAILED TOGETHER W/ BASE PLATE NAILING ARE REQUIRED AT ABUTTING PANEL EDGES OF SW3 AND SW4. REFER TO DETAIL B. WHERE 3x STUDS ARE USED FOR SW4, STAGGER NAILS AT ADJOINING PANEL EDGES.
- ⑤ TWO STUDS MINIMUM ARE REQUIRED AT EACH END OF ALL SHEARWALLS AND ALL END STUDS SHALL RECEIVE PANEL EDGE NAILING.
- ⑥ ALL EXTERIOR WALLS SHALL BE SW1, UNLESS NOTED OTHERWISE.
- $\bigcirc$  7/16" O.S.B. MAY BE SUBSITUTED FOR 1/2" CDX.
- A 2x NAILER ATTACHED W/ BASE PLATE NAILING PER DETAIL A MAY BE SUBSTITUTED FOR A35's AT CONTRACTORS OPTION.

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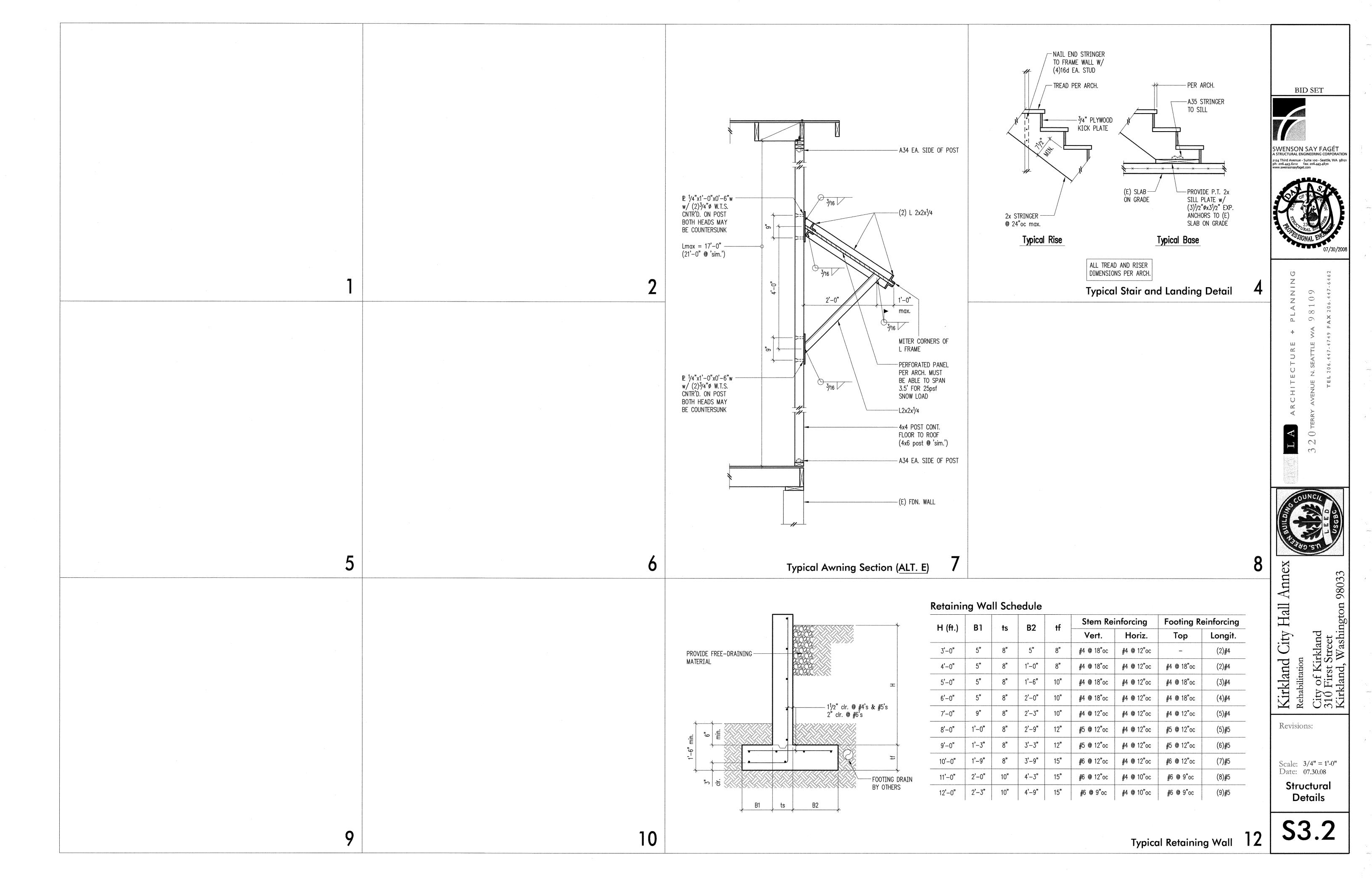
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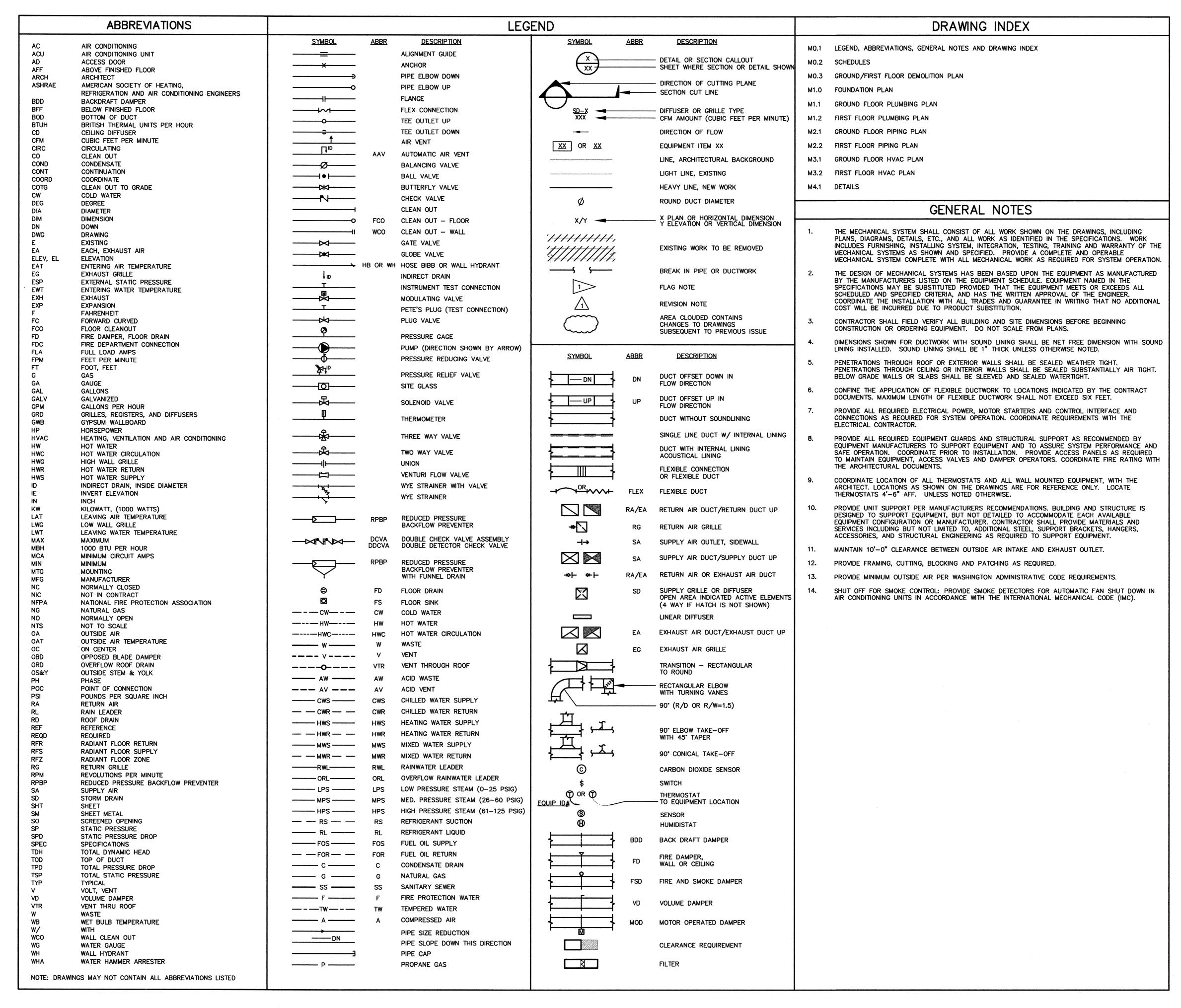
Revisions:

Scale: 3/4'' = 1'-0''Date: 07.30.08

> Structural Details

**S3.1** 







EXPIRES: 9/08/2008
BID SET

COUSTICAL, ALDIO / VIDED & MECHANICAL ENGREEBANG OOD WIST NACKERSON STREET SLIFE 201 SEATHE, WA 99119 206) 378—0541 FAX

VA 98109

FAX 206.447-6462 (200) WEST

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ARCHITECTUR
20 TERRY AVENUE N. SEATT

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rkland City Hall Annex nabilitation
by of Kirkland
First Street

Revisions:

Scale: NONE

Date: 07.30.08

Legend, Abbrev., General Notes & Drawing Index

	MECHAN	ICAL / I	ELEC1	RICAL	COOR	DINA	TION					
ITEM	EQUIPMENT	POW	М	OTOR CO	NTROL	EQUIPN	MENT			REMARKS		
NO.	DESCRIPTION	VOLTS	PH	PROVID	DED BY		TALLED			RED BY	/	112111111111111111111111111111111111111
				MECH	ELEC	MECH	ELEC		MECH			
EF-1	EXHAUST FAN	120	1	X		X		<u> </u>		X		2
EF-2	EXHAUST FAN	120	1	X		X				X		2
EF-4	EXHAUST FAN	120	1	X		Х				X		2
EF-5	EXHAUST FAN	120	1	X		X				X		2
EF-6	EXHAUST FAN	120	1	X		X	1			X		2
EF-7	EXHAUST FAN	120	1	Х		X				X		2
EF-8	EXHAUST FAN	120	1	X		X	T		1	X		2
EF-9	EXHAUST FAN	120	1	X		X				X		2
EF-10	EXHAUST FAN	120	1	X		Х				X		2
EF-11	EXHAUST FAN	120	1	X		Х				Х		2
EF-12	EXHAUST FAN	120	1	X		X				X		2
EF-13	EXHAUST FAN	120	1	X		X		l		X		2
EF-14	EXHAUST FAN	120	1	Х		X	1			Х		2
EF-15	EXHAUST FAN	120	1	Х		X			<b> </b>	Х		2
					<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	1	<u> </u>	<u> </u>				
IWP	INJECTION WATER PUMP	120	1	X		X			1	X		1
HWP	HEATING WATER PUMP	120	1	X		X	l			X		1
RFP	RADIANT FLOOR PUMP	120	1	Х		X				Х		1
5												
DHWH	DOMESTIC WATER HEATER	120	1	X		X	ļ		<b></b>	X		1,5
B-1	BOILER	120	1	X		X				X		2
IPP	INJECTION PUMP PANEL	120	1	X		Х				Х		2
HWCP	DOMESTIC HOT WATER	120	1	×		X				X		2
	CIRCULATION PUMP	120	1									
INSTA-HOT	INSTA-HOT	120	1	X			X			×		4
DISPOSAL	GARBAGE DISPOSAL	120	1	X		<del>                                     </del>	x			X		4

COMBINATION MOTOR STARTER DISCONNECT

POWER REQUIRED FOR POWER VENTING

3. NOT USED

CONTROL CONTACTOR AND DISCONNECT SWITCH

COORDINATE POWER REQUIREMENTS WITH MECHANICAL CONTRACTOR

AUTOMATIC AIR VENT, PIPE TO DRAIN			-HEATING WATER FILL CONTROL, SEE  M4.1
THERMOMETER, TYP ————————————————————————————————————	TRIPLE DUTY	m	-TO DOMESTIC WATER
	EI HWP		-SEE 2 MO.2
BOILER	LOW WATER CUT-OFF	$\frac{1}{2}$ $\frac{1}{2}$ REFP	
BIB DRAIN————————————————————————————————————	FLOOR ZONE		
	MANIFOLD, TYP  SEE 5  M4.1  TYP		
	ROOM OR ZONE THERMOSTAT, TYP	Market Signature   National Control of the Control	
	ZONE CONTROL VALVE		
	WITH ELECTRIC ACTUATOR, TYP.		

RADIANT FLOOR PIPING DIAGRAM

SCALE: NONE

BOILER LOOP HEADER -INJECTION RISERS -- INJECTION PUMP CONTROL PANEL BALANCING VALVE ----- INJECTION PUMP (IWP) RADIANT SYSTEM HEADER -- MIXED WATER PUMP (RFP)

RADIANT FLOOR INJECTION PUMP PANEL (IPP)

SCALE: NONE

	EXHAUST FAN SCHEDULE										
			SP			ELECTRICAL					
MARK	LOCATION	CFM	"H20	RPM	SONES	HP/WATTS	VOLTS	PHASE	NOTES	REMARKS	
EF-1	OPEN OFFICE	255	0.25	990	<2.0	62W	120	1	(1)	PANASONIC FV 30 VQ3 OR ACCEPTED EQUAL.	
EF-2	CONF ROOM	255	0.25	990	<2.0	62W	120	1	(1)	PANASONIC FV 30 VQ3 OR ACCEPTED EQUAL.	
EF-3	OFFICES	255	0.25	990	<2.0	62W	120	1	(1)	PANASONIC FV 30 VQ3 OR ACCEPTED EQUAL.	
EF-4	TOILET	75	0.25	919	<0.7	20W	120	1	(1)	PANASONIC FV 08 VQ2 OR ACCEPTED EQUAL.	
EF-5	JANITOR	75	0.25	919	<0.7	20W	120	1	(1)	PANASONIC FV 08 VQ2 OR ACCEPTED EQUAL.	
EF-6	ELEC	145	0.25	871	<1.3	42W	120	1	(2)	PANASONIC FV 20 VQ3 OR ACCEPTED EQUAL.	
EF-7	MAIN HALL	255	0.25	990	<2.0	62W	120	1	(1)	PANASONIC FV 30 VQ3 OR ACCEPTED EQUAL.	
EF-8	OFFICES	145	0.25	871	<1.3	42W	120	1	(1)	PANASONIC FV 20 VQ3 OR ACCEPTED EQUAL.	
EF-9	TOILET	75	0.25	919	<0.7	20W	120	1	(1)	PANASONIC FV 08 VQ2 OR ACCEPTED EQUAL.	
EF-10	TOILET	75	0.25	919	<0.7	20W	120	1	(1)	PANASONIC FV 08 VQ2 OR ACCEPTED EQUAL.	
EF-11	COPIER	75	0.25	919	<0.7	20W	120	1	(3)	PANASONIC FV 08 VQ2 OR ACCEPTED EQUAL.	
EF-12	JANITOR	75	0.25	919	<0.7	20W	120	1	(1)	PANASONIC FV 08 VQ2 OR ACCEPTED EQUAL.	
EF-13	OFFICES	255	0.25	990	<2.0	62W	120	1	(1)	PANASONIC FV 30 VQ3 OR ACCEPTED EQUAL.	
EF-14	KITCHEN	75	0.25	919	<0.7	20W	120	1	(1)	PANASONIC FV 08 VQ2 OR ACCEPTED EQUAL.	
EF-15	ELEC	145	0.25	871	<1.3	42W	120	1	(2)	PANASONIC FV 20 VQ3 OR ACCEPTED EQUAL.	

NOTES:

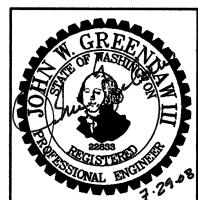
- (1) PROVIDE WITH WALL MOUNTED SWITCH.
  (2) SWITCH VIA WALL MOUNTED THERMOSTAT.
- (3) PROVIDE WALL MOUNTED TIMER SWITCH.

	CIRCULATING WATER EQUIPMENT AND ACCESSORIES
MARK	REMARKS
RFP	RADIANT FLOOR CIRCULATION PUMP, 12 GPM, 15 FT. TDH, 3250 RPM 1/6 HORSEPOWER, 120 VOLTS, 1 PHASE. BASIS FOR DESIGN: A.O. SMITH
AS/ET-1	COMBINATION AIR SEPARATOR & EXPANSION TANK, 14 GALLON VERTICAL BLADDER TYPE , 11 GALLON ACCEPTANCE VOLUME WITH AIR CONTROL VALVE. ASME RATED. BASIS FOR DESIGN: AMTROL FILL-TROL
DHWH	GAS FIRED DOMESTIC HOT WATER HEATER, 41 GPH FOR 90 DEGREE F RISE. 40 GAL STORAGE CAPACITY. 40,000 BTU INPUT. BASIS FOR DESIGN: A.O. SMITH XGV-40
HWP	INLINE DOMESTIC HOT WATER CIRCULATION PUMP 1/4 HORSEPOWER, 120 VOLT 1 PHASE. BRONZE IMPELLER, CAST IRON VOLUTE BASIS FOR DESIGN: TACO. ACCEPTED ALTERNATES: ARMSTRONG, BELL AND GOSSET, PACO.
B-1	NATURAL GAS FIRED, COPPER FINNED BOILER. 150 MBH INPUT, 135MBH OUTPUT, 90% EFFICIENT. BASIS OF DESIGN: LOCHINVAR WBN 150
IWP	INJECTION WATER PUMP, 3/4" CONNECTION, 125 PSI MAX WORKING PRESSURE, 1/25 HORSEPOWER, 120 VOLT 1 PHASE. NON-METALLIC IMPELLER, CAST IRON VOLUTE BASIS FOR DESIGN: TACO 007. ACCEPTED ALTERNATIVES: ARMSTRONG, BELL AND GOSSET.

RADIANT FLOOR SCHEDULE (HEATING)								
ZONE	SQUARE FEET	BTUH/ SQUARE FT	ZONE HTG CAPACITY	ZONE GPM	DESCRIPTION			
RFZ 1	1,005	15.0	15075.0	1.5	BASEMENT OPEN OFFICE			
RFZ 2	595	15.0	8925.0	0.9	CONFERENCE ROOM			
RFZ 3	1,115	15.0	16725.0	1.7	BASEMENT OFFICES			
RFZ 4	1,240	20.0	24800.0	2.5	MAIN HALL			
RFZ 5	880	20.0	17600.0	1.8	OFFICES (SW)			
RFZ 6	705	20.0	14100.0	1.4	OFFICES (SE)			
SUM	5540.0		97225.0	9.7				

			SERVICE CONNECTION				
FIXTURE	MARK	SYMBOL	WASTE	VENT	CW	Н	
FLOOR CLEAN OUT	FC0	-0	-			_	
WALL CLEAN OUT	wco	Н	_			-	
DRINKING FOUNTAIN	DF	ш.	1-1/4"	1-1/4"	1/2"	-	
FLOOR DRAIN	FD		2"	2"	3/8"	-	
HOSE BIB, WALL HYDRANT	HB/WH	+	-	-	3/4"	_	
LAVATORY	L		1-1/2"	1-1/2"	1/2"	1/:	
SERVICE SINK	SS	Trademondal	3"	2"	1/2"	1/2	
SINK	S	•	2"	1-1/2"	1/2"	1/2	
WATER CLOSET	WC	Ö	4"	2"	1/2"	_	
		·					

EXTEND AND CONNECT PIPING TO ALL PLUMBING FIXTURES. FURNISH COMPLETE, FUNCTIONAL SYSTEM.



EXPIRES: 9/08/2008 BID SET

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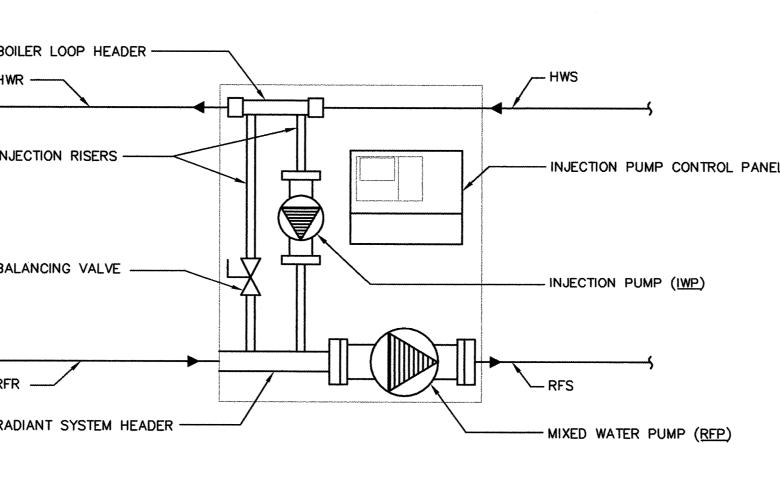
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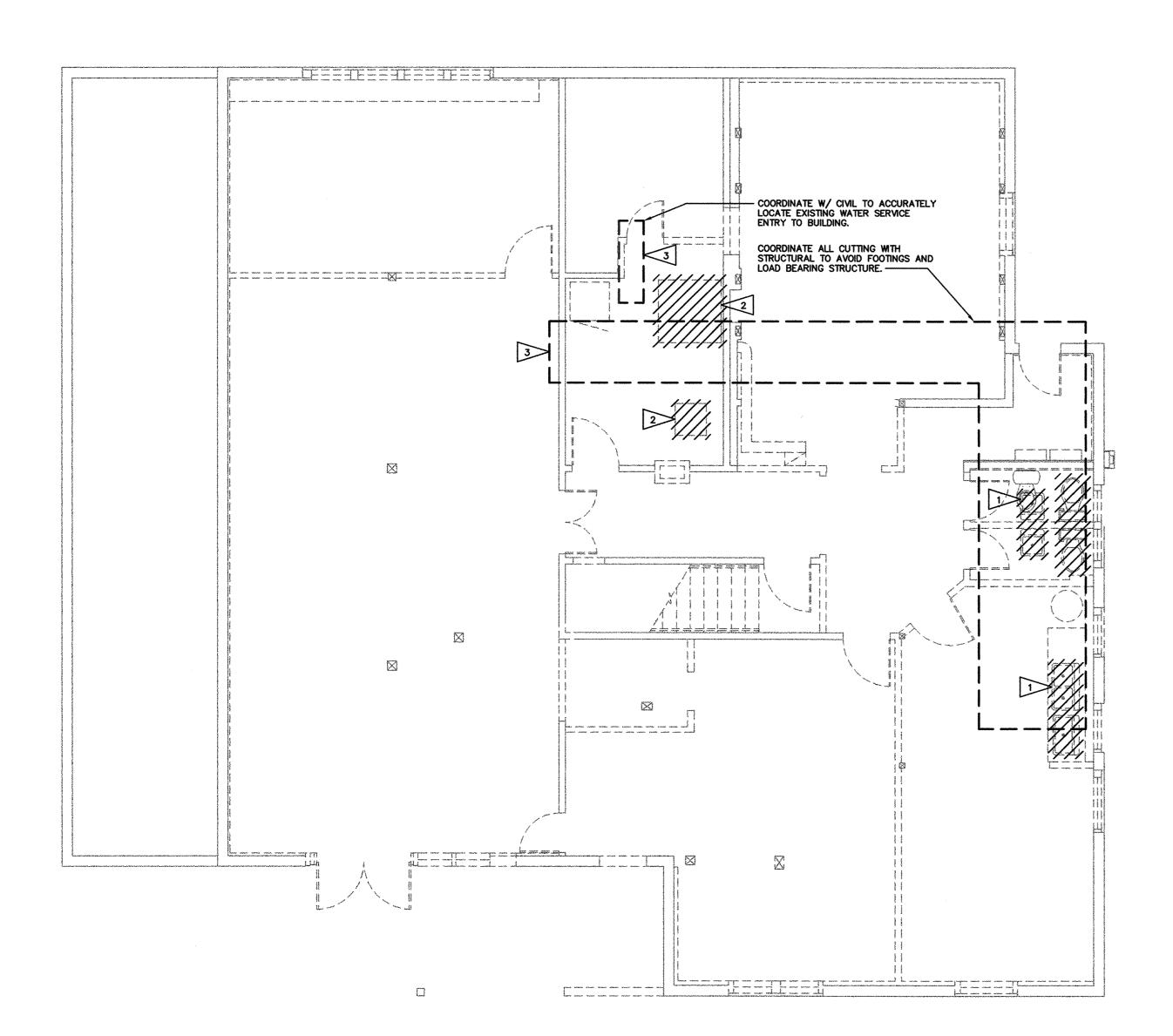
Kirkland City Hall Annex Rehabilitation

Revisions:

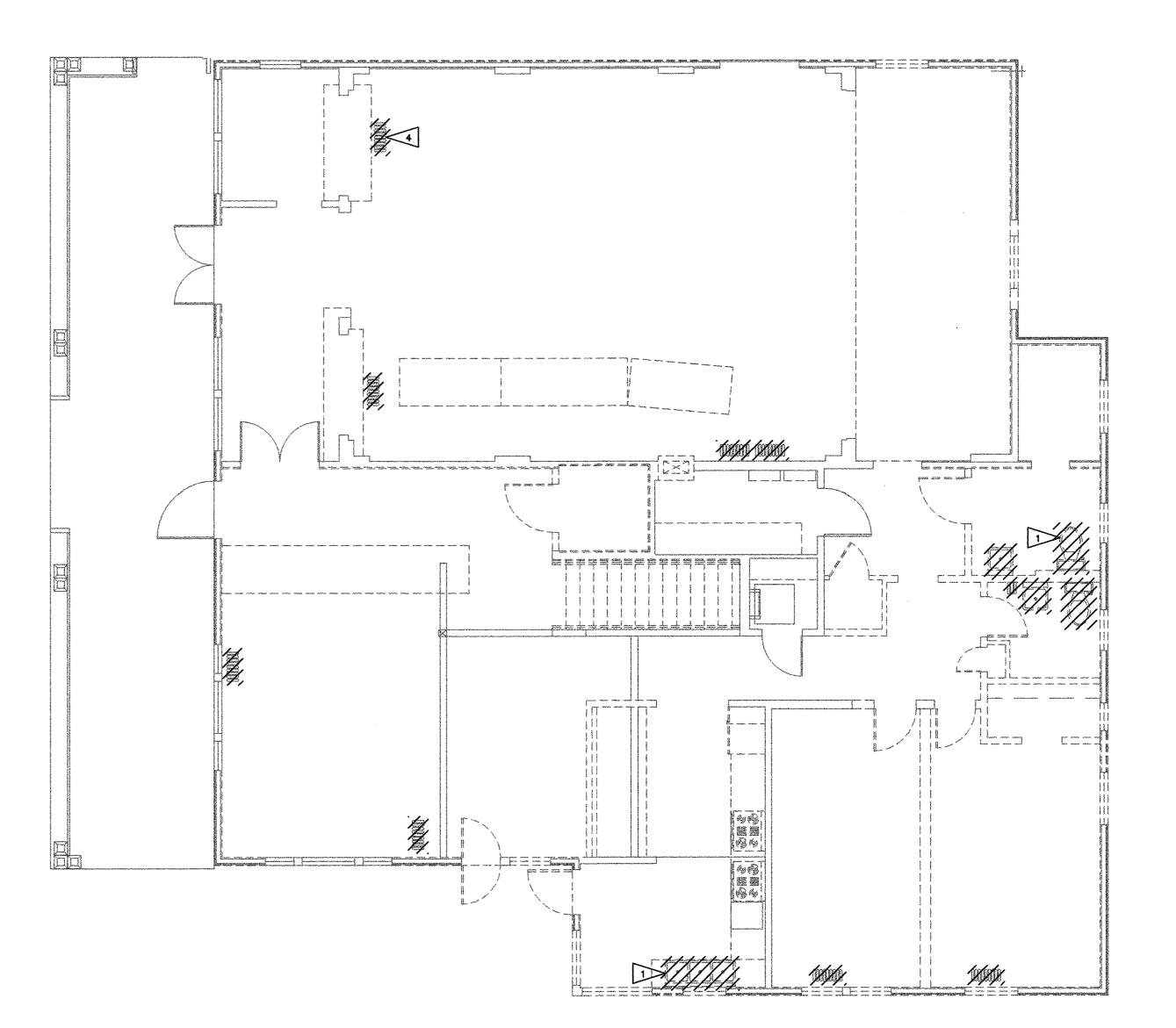
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Schedules

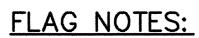












REMOVE FIXTURE AND ALL ASSOCIATED PIPING, TYPICAL.

REMOVE EQUIPMENT AND ALL ASSOCIATED PLUMBING AND PIPING.

CUT SLAB TO INSTALL NEW PLUMBING AND PIPING. CAP ALL EXISTING PIPING THAT IS TO BE ABANDONED.

EXISTING PIPING THAT IS TO BE ABANDONED.

4 REMOVE RADIATOR AND ALL ASSOCIATED PIPING, TYPICAL.

CRETATION ASSOCIATION ASSOCIAT

BID SET

THE GREENBUSCH GROUP, INC

COUSTICAL AUDIO / NUED & MECHANICAL ENGINEERING
1900 WEST MIGGEON STREET SUITE 201 SEATILE WA 86119
(206) 378-0509 (206) 378-0441 PAX

9 8 1 0 9
ACOUSTICAL, AUDIO 1500 WST NACES 1500 WST

3 2 () TERRY AVENUE N. SEATTLE WA



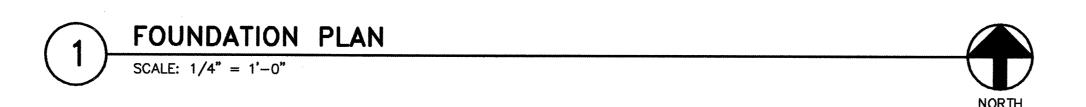
Kirkland City Hall Annex
Rehabilitation
City of Kirkland
310 First Street

Revisions:

Scale: AS NOTED Date: 07.30.08

M0.3

Ground/First
Floor Demolition





BID SET

THE GREENBUSCH GROUP, INC
COUSTICAL, AUDO / WDD & MEXIWACAL ENGNEERS
OOW WEST INCRESSIVE SOINTE, WA 9911
206) 378-0569
(206) 378-0641 FA

ARCHITECTURE + PLAN





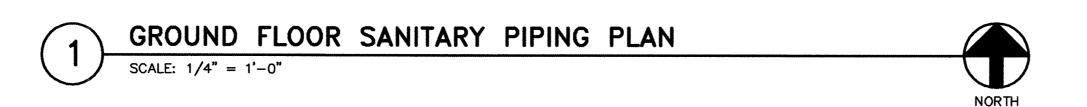
Kirkland City Hall Annex
Rehabilitation
City of Kirkland

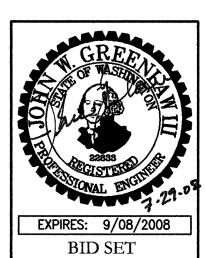
Revisions:

Scale: AS NOTED Date: 07.30.08

M1.0

Foundation Plan





2



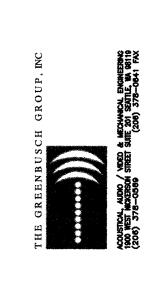
Kirkland City Hall Annex Rehabilitation

Revisions:

Scale: AS NOTED Date: 07.30.08

Ground Floor Plumbing

BID SET



 $3.2\,0$  Terry avenue n. seattle wa  $9.8\,1\,0\,9$ 



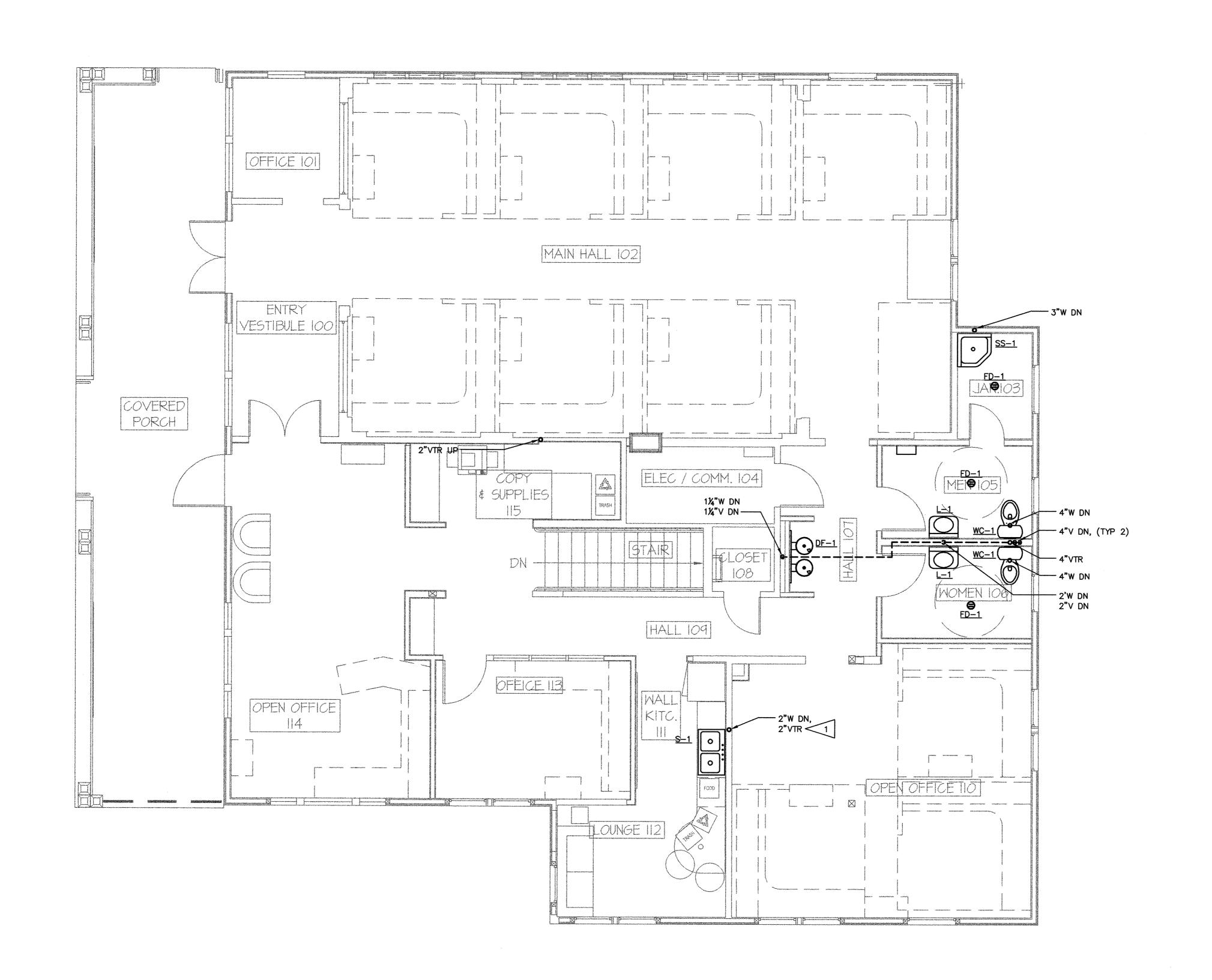
Kirkland City Hall Annex
Rehabilitation
City of Kirkland

Revisions:

Scale: AS NOTED Date: 07.30.08

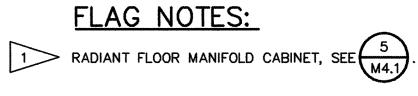
M1.2

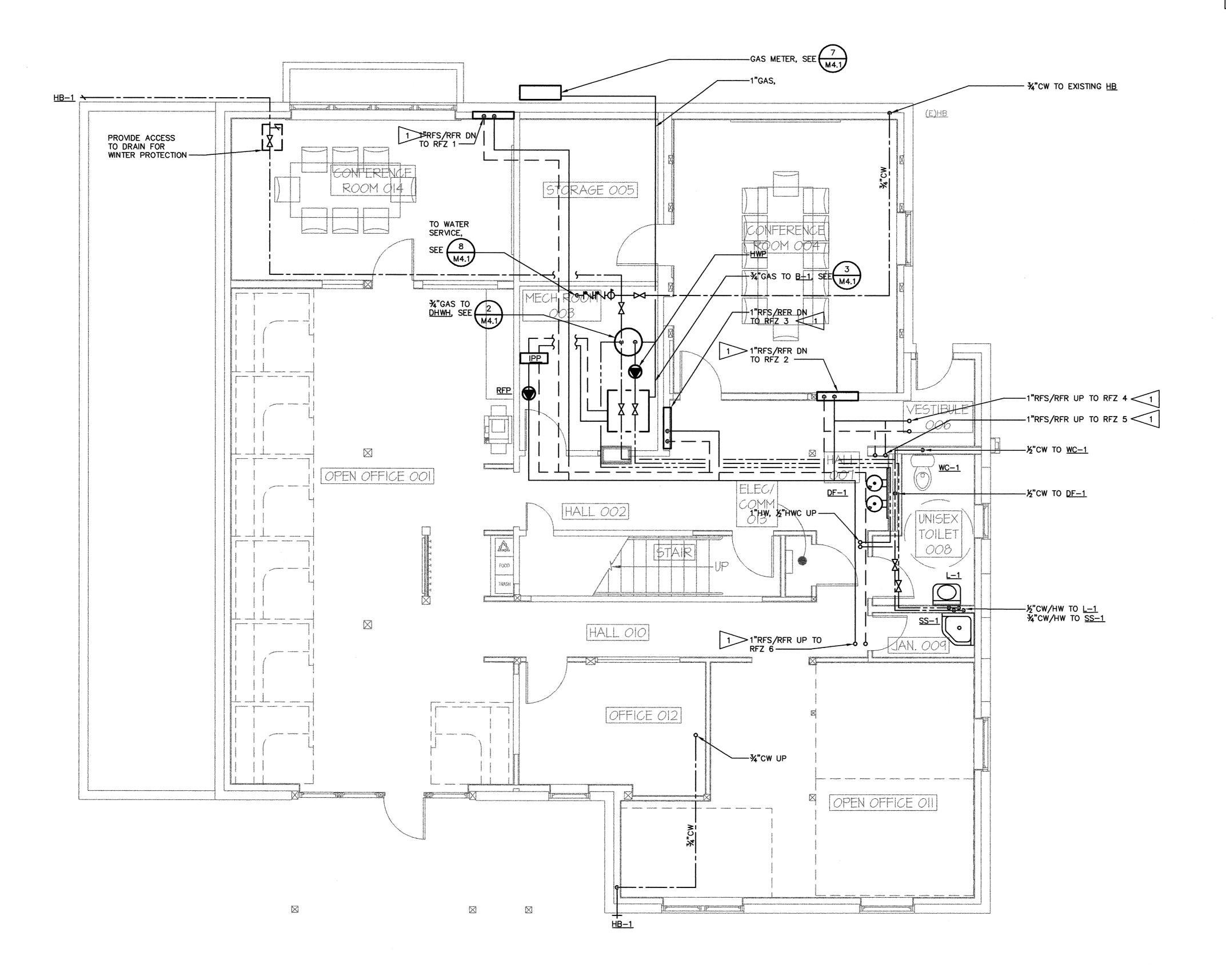
First Floor Plumbing Plan

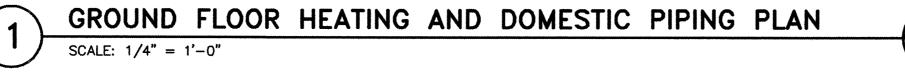








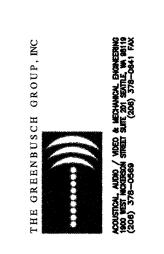






EXPIRES: 9/08/2008

BID SET



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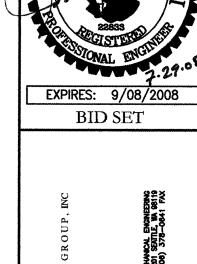


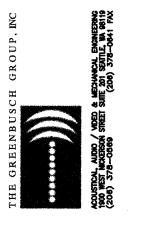
Kirkland City Hall Annex Rehabilitation

Revisions:

Scale: AS NOTED Date: 07.30.08

Ground Floor





2 () TERRY AVENUE N. SEATTLE WA 98109

COUNCIL COUNCI

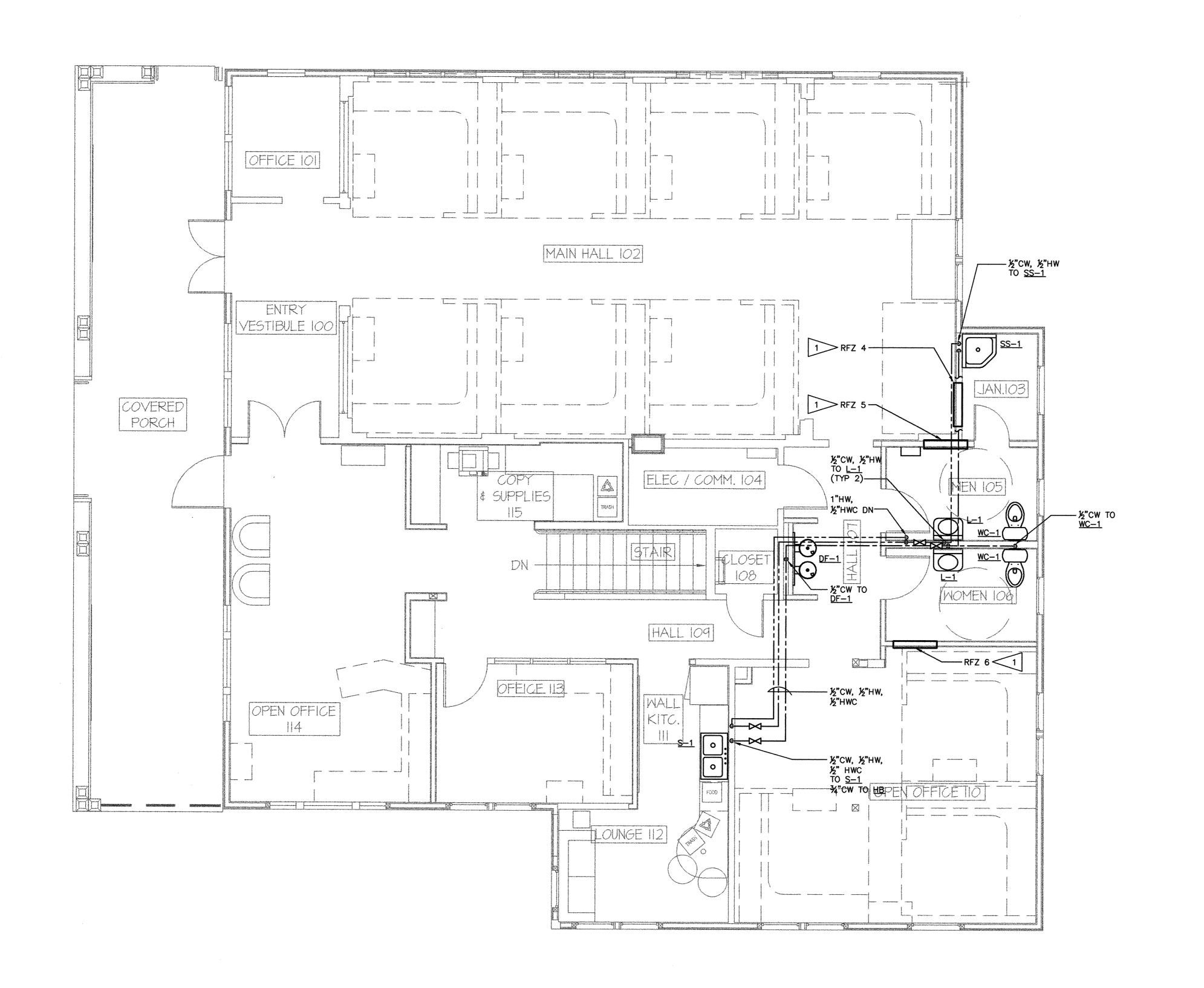
Kirkland City Hall Annex
Rehabilitation
City of Kirkland
310 First Street

Revisions:

Scale: AS NOTED Date: 07.30.08

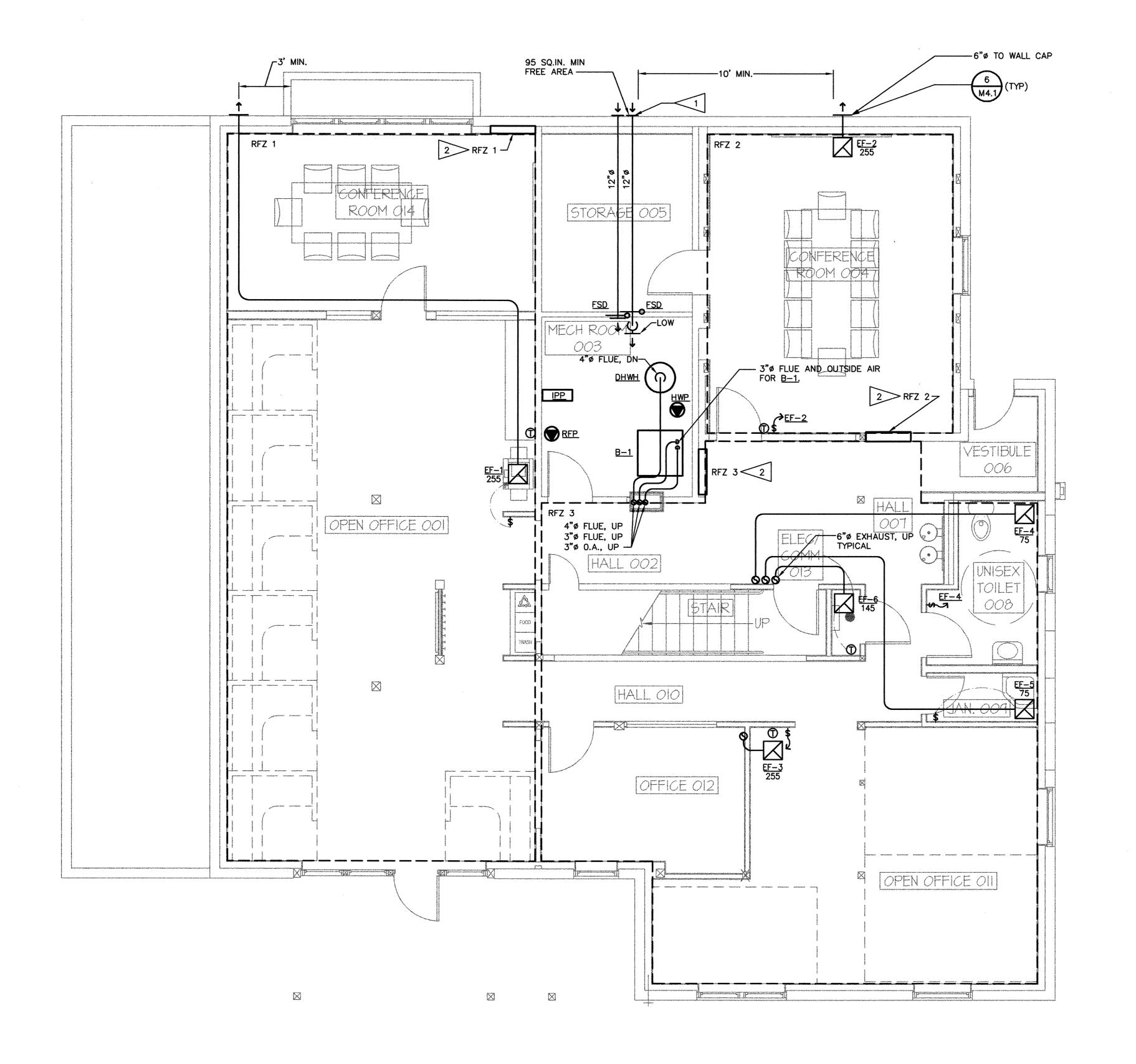
First Floor

First Floor
Piping





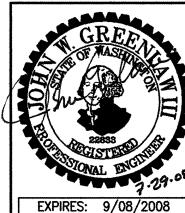






## FLAG NOTES:

1 COMBUSTION AIR. LOCATE ONE GRILLE WITHIN 12" OF CEILING AND ONE GRILLE WITHIN 12"OF FINISHED FLOOR. 2 RADIANT FLOOR MANIFOLD CABINET, SEE  $\frac{5}{M4.1}$ 







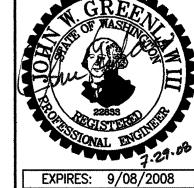


Kirkland City Hall Annex Rehabilitation

Revisions:

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Ground Floor HVAC Plan





2

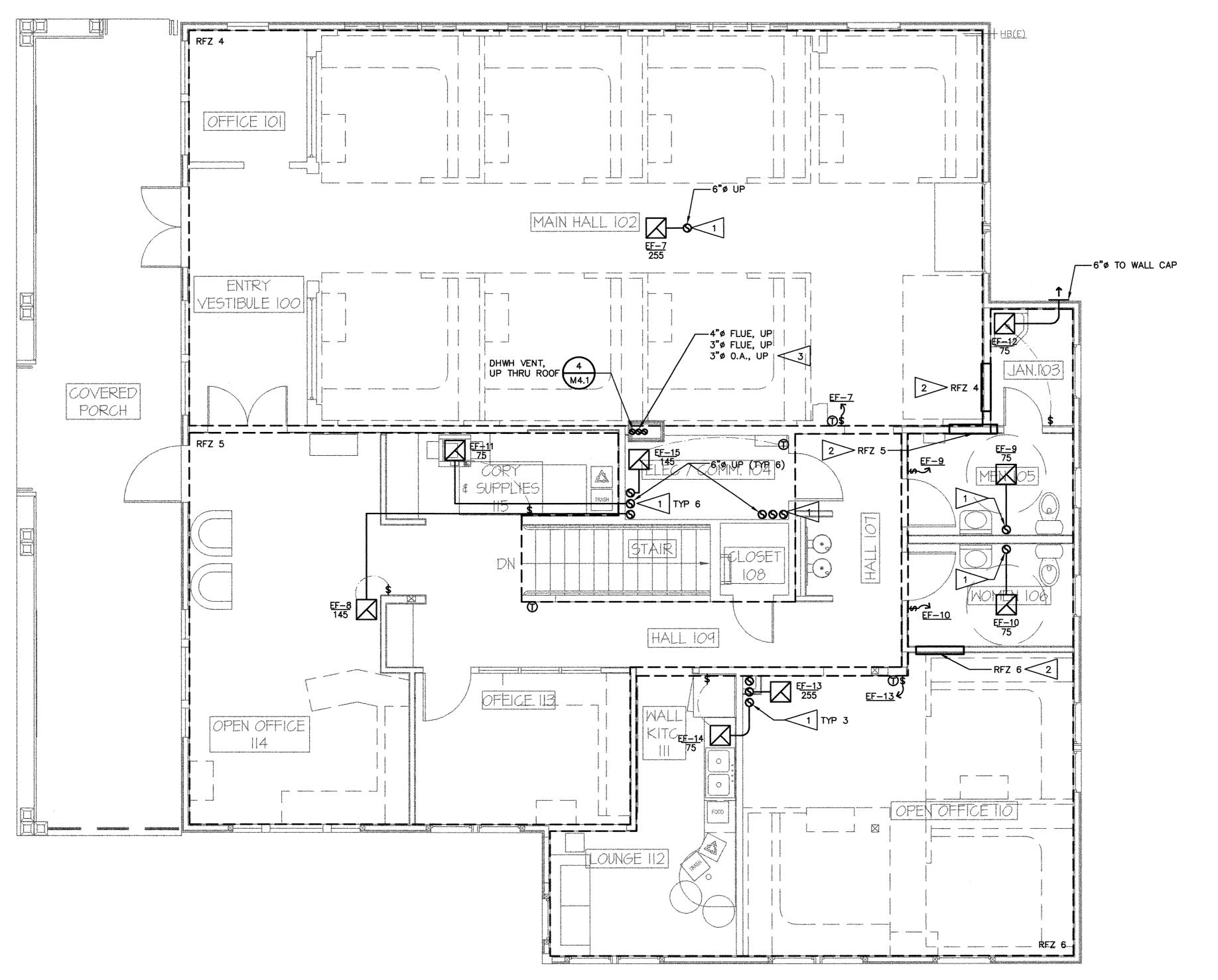


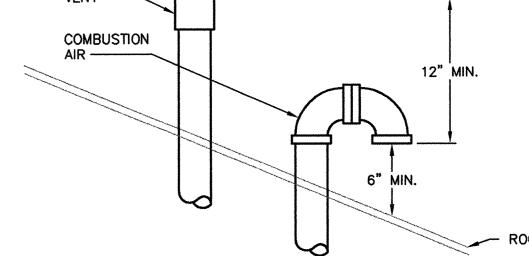
Kirkland City Hall Annex Rehabilitation

Revisions:

Scale: AS NOTED Date: 07.30.08

First Floor HVAC Plan









CLOSED COMBUSTION BOILER VENTING DETAIL

THE GREENBUSCH GROUP, INC
ACOUSTICAL, AUDIO / WDED & MECHANICAL ENGINEERS (206) 378-0569 (206) 378-0641 FAX

AVENUE N. SEATTLE WA 98109

B O B C O WE T

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City Hall Annex

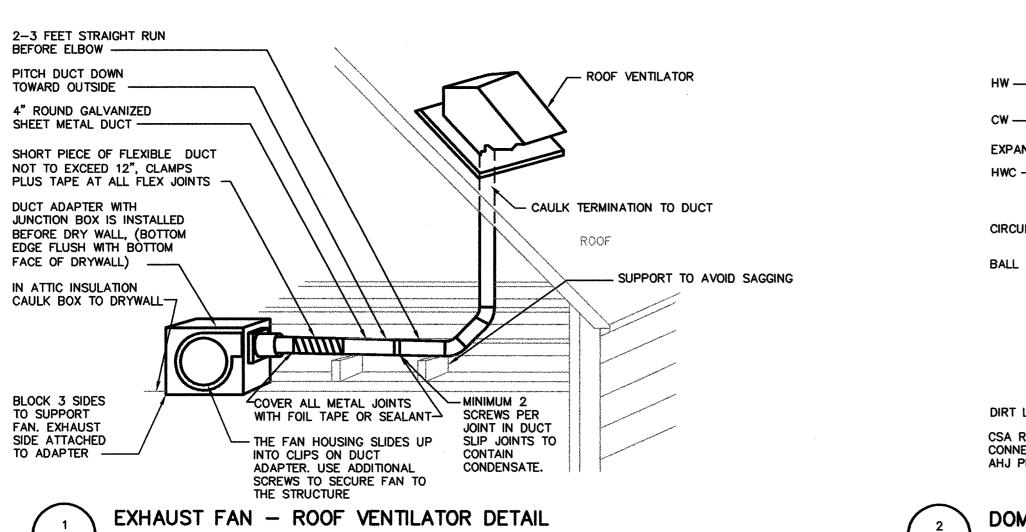
Rehabilitation
City of Kirkl
310 First Stre

Revisions:

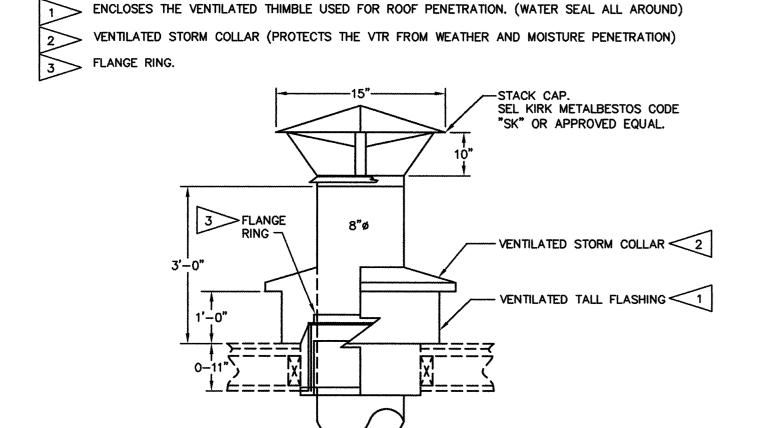
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M4.1

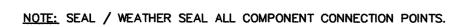
Details



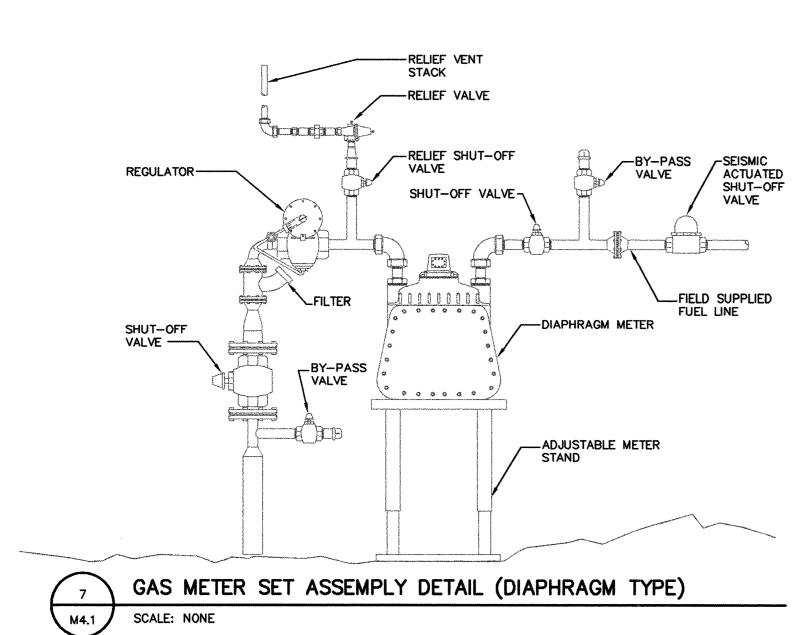
J: \AUTOCAD\DETAILS\EXH\_FAN\_ROOF.DWG

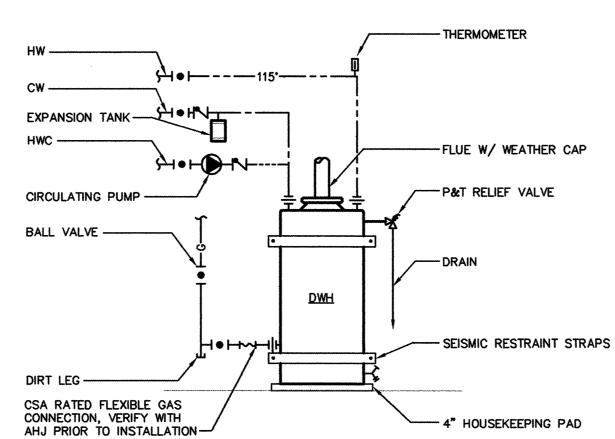


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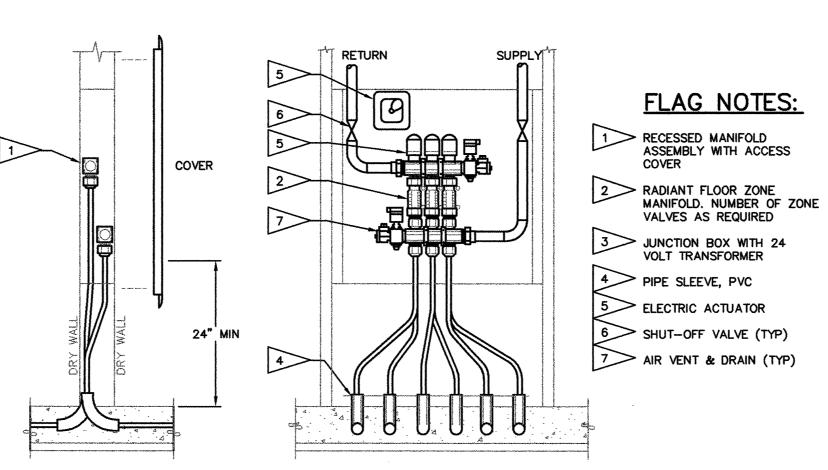


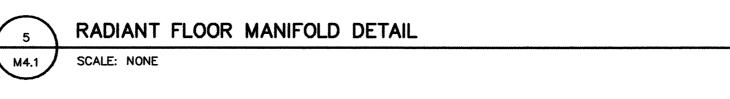


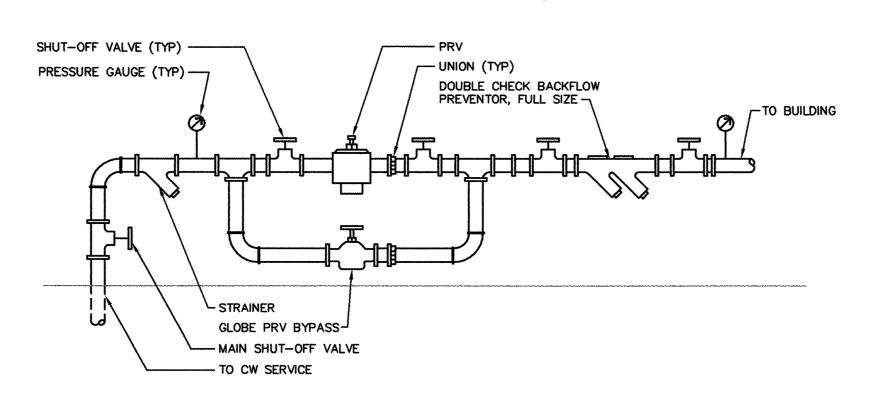


DOMESTIC GAS WATER HEATER DETAIL

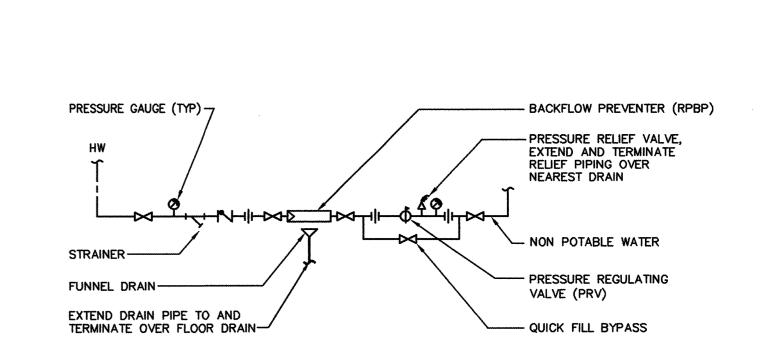
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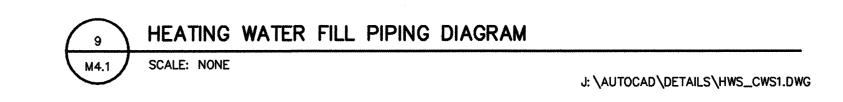


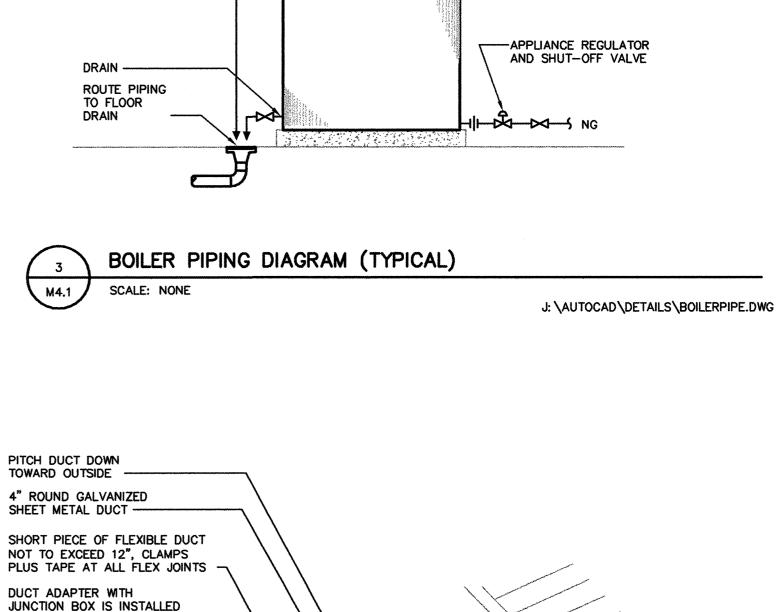




SCREWS PER JOINT IN DUCT SLIP JOINTS TO

CONDENSATE.





WITH FOIL TAPE OR SEALANT

- THE FAN HOUSING SLIDES UP

ADAPTER. USE ADDITIONAL SCREWS TO SECURE FAN TO THE STRUCTURE

INTO CLIPS ON DUCT

EXHAUST FAN - WALL CAP DETAIL

PRESSURE/ TEMPERATURE

RELIEF VALVE ---

BEFORE DRY WALL, (BOTTOM

EDGE FLUSH WITH BOTTOM

FACE OF DRYWALL). \_\_\_\_

CAULK BOX TO DRYWALL -

IN ATTIC INSULATION

BLOCK 3 SIDES

TO SUPPORT
FAN. EXHAUST
SIDE ATTACHED
TO ADAPTER —

-FLUE (GAS BOILERS)

-SHUT-OFF VALVE

- SUPPORT TO AVOID SAGGING

WITH BACKDRAFTS

- CAULK TERMINATION

FLAP(S).

TO DUCT

J: \AUTOCAD\DETAILS\EXH\_FAN\_WALLCAP\_ROOF.DWG

THERMOMETER

# SYMBOLS & ABBREVIATIONS

# LIGHTING FLUORESCENT FIXTURE, DRAWN TO SCALE ON PLANS-LETTER IN FIXTURE INDICATES SWITCH LEG CONTROL FLUORESCENT STRIP FIXTURE, DRAWN TO SCALE FIXTURE CEILING MOUNTED FIXTURE WALL MOUNTED LIGHTING FIXTURE, WALL WASHER FLUORESCENT FIXTURE WITH EMERGENCY BATTERY BALLASST EXIT SIGN - DIRECTIONAL ARROWS AS INDICATED, SHADED SIDES ILLUMINATED GROUND MOUNTED PATH LIGHT LIGHT FIXTURE TYPE - SEE FIXTURE SCHEDULE SWITCH - SINGLE POLE SUBSCRIPTS a,b, etc., DENOTES CIRCUIT CONTROLLED 3 WAY SWITCH 4 WAY SWITCH SWITCH - KEY OPERATED OCCUPANCY SENSOR LIGHT SWITCH WITH INTEGRAL OCCUPANCY SENSOR RECEPTACLES DUPLEX RECEPTACLE 120V DUPLEX RECEPTACLE FOR COMPUTER WORKSTATION 120V DUPLEX RECEPTACLE 120V, MOUNTED 3" ABOVE COUNTER BACKSPLASH DOUBLE DUPLEX RECEPTACLE 120V TWIST LOCK RECEPTACLE 120V COMBINATION RECEPTACLE 120/240V RECEPTACLE 240V, SINGLE PHASE RECEPTACLE 240V, SINGLE PHASE (TWIST LOCK) FLUSH TYPE A FLOOR BOX - (DEVICES AS INDICATED) LETTER IN BOX DENOTES FLOOR BOX TYPE DUPLEX RECEPTACLE - GROUND FAULT CIRCUIT INTERRUPTER TYPE **EQUIPMENT** PANEL - 240 VOLT SYSTEM EQUIPMENT CONNECTION FIRE ALARM SYSTEM MANUAL STATION SMOKE DETECTOR HEAT DETECTOR FIRE ALARM HORN/STROBE VISUAL ALARM LIGHT - WALL MOUNTED FIRE ALARM BELL FIRE ALARM CONTROL PANEL FARA FIRE ALARM REMOTE ANNUNCIATOR (FARA)

FUSED SWITCH  DISCONNECT SWITCH  MOTOR STARTER — MAGNETIC  MANUAL STARTER  COMBINATION MOTOR STARTER DISCONNECT SWITCH  THERMOSTAT SWITCH  CIRCUITS  RACEWAY CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES. #12 AWG WIRE UNLESS OTHERWISE NOTED. THREE WIRES IF NO HASH MARK SHOWN. LONG HASH MARK DENOTES NEUTRAL————————————————————————————————————
MANUAL STARTER — MAGNETIC  MANUAL STARTER  COMBINATION MOTOR STARTER DISCONNECT SWITCH  THERMOSTAT SWITCH  CIRCUITS  RACEWAY CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES. #12 AWG WIRE UNLESS OTHERWISE NOTED. THREE WIRES IF NO HASH MARK SHOWN. LONG HASH MARK DENOTES NEUTRAL. — INDICATES GROUND WIRE. EXPOSED RACEWAY IS ALLOWED ONLY WHERE NOTED.  RACEWAY BELOW SLAB OR UNDERGROUND  RACEWAY UP  RACEWAY DOWN  RACEWAY STUB—OUT WITH BUSHING
MANUAL STARTER  COMBINATION MOTOR STARTER DISCONNECT SWITCH  THERMOSTAT SWITCH  CIRCUITS  RACEWAY CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES. #12 AWG WIRE UNLESS OTHERWISE NOTED. THREE WIRES IF NO HASH MARK SHOWN. LONG HASH MARK DENOTES NEUTRAL. — INDICATES GROUND WIRE. EXPOSED RACEWAY IS ALLOWED ONLY WHERE NOTED.  RACEWAY BELOW SLAB OR UNDERGROUND  RACEWAY UP  RACEWAY DOWN  RACEWAY STUB—OUT WITH BUSHING
CIRCUITS  CAMBINATION MOTOR STARTER DISCONNECT SWITCH  CIRCUITS  RACEWAY CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES. #12 AWG WIRE UNLESS OTHERWISE NOTED. THREE WIRES IF NO HASH MARK SHOWN. LONG HASH MARK DENOTES NEUTRAL. ————————————————————————————————————
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RACEWAY UP  RACEWAY DOWN  RACEWAY STUB-OUT WITH BUSHING
RACEWAY DOWN  RACEWAY STUB-OUT WITH BUSHING
RACEWAY STUB-OUT WITH BUSHING
HOME RUN TO PANEL OR LOCATION NOTED
CIRCUIT CONTINUATION
O JUNCTION BOX
PULL BOX

### TELEPHONE & COMPUTER SYSTEMS (BOX ONLY)

- COMMUNICATIONS OUTLET
- TELEPHONE OUTLET WALL MOUNTED

# ELECTRICAL RISER FUSED SWITCH

CIRCUIT BREAKER

GROUND CONNECTION

 $\longrightarrow$ 

WATT-HOUR METER

AVAILABLE SHORT CIRCUIT CURRENT

## GENERAL NOTES

- 1. COMPLY WITH NATIONAL ELECTRICAL CODE 2005 EDITION AND WAC 296-46B.
- 2. THE LOCATIONS OF ELECTRICAL DEVICES OR LIGHTING FIXTURES INDICATED ON ARCHITECTURAL PLANS ELEVATIONS OR SECTIONS TAKE PRECEDENCE OVER LOCATIONS INDICATED ON THE ELECTRICAL DRAWINGS.
- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS.
- 4. COORDINATE ALL FLOOR BOX LOCATIONS WITH THE ARCHITECT BEFORE ROUGH IN.
- 5. FOR LIGHTING CONTROLS WHICH INCLUDE DAYLIGHT OR OCCUPANT SENSING AUTOMATIC CONTROLS, AUTOMATIC SHUT—OFF CONTROLS, OCCUPANCY SENSORS OR AUTOMATIC TIME SWITCHES THE LIGHTING CONTROLS SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AN SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS. SEQUENCE OF OPERATION SHALL ALSO BE FUNCTIONALLY TESTED TO ENSURE IT IS OPERATING IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER.

### **WORK DEFINITION**

FLAG NOTE

REVISION SYMBOL

JUNCTION BOX

2 E5.02

ELECTRICAL DETAIL SYMBOL

### **ABBREVIATIONS**

ACH	ABOVE COUNTER HEIGHT	MTD	MOUNTED
AFF	ABOVE FINISHED FLOOR	MW	MICROWAVE
A, AMP	AMPERE	N	NEUTRAL
AWG	AMERICAN WIRE GAGE	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	OPOI	OWNER PROVIDED OWNER INSTALLED
CKT	CIRCUIT	PB	PULLBOX
COMM	COMMUNICATIONS	PNL	PANEL
C, CO	CONDUIT, CONDUIT ONLY	R, RO	RACEWAY, RACEWAY ONLY
CU	COPPER	RECEPT	RECEPTACLE
DED	DEDICATED	REF	REFRIGERATOR
DN	DISHWASHER	SPECS	SPECIFICATIONS
EWC	ELECTRIC WATER COOLER	TELECOM	TELECOMMUNICATIONS
FA	FIRE ALARM	TYP	TYPICAL
FBOIC	FURNISHED BY OTHERS,	UG	UNDER GROUND
	INSTALLED BY CONTRACTOR	UON	UNLESS OTHERWISE NOTED
G, GND	GROUND	V	VOLT
GD	GARBAGE DISPOSAL	W	WIRE OR WATT
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER	WP	WEATHERPROOF
HP	HORSEPOWER	Ø	PHASE
IH	INSTA-HOT WATER DISPENSER		

OUTLE	T MC	UNTING	HEIGH	TS

18 INCHES (460mm) VERTICALLY MOUNTED LIGHT SWITCHES 48 INCHES (1200mm) VERTICALLY MOUNTED **PANELBOARDS** 72 INCHES (1830mm) TO TOP OF PANELBOARD COMMUNICATIONS OUTLET 18 INCHES (460mm) VERTICALLY MOUNTED TELEPHONE OUTLET - WALL 54 INCHES (1370mm) VERTICALLY MOUNTED FIRE ALARM PULL STATION 48 INCHES (1200mm) FIRE ALARM AUDIBLE NOTIFICATION TOP EDGE NOT LESS THAN 90 INCHES (2300mm) DEVICES AFF AND NOT LESS THAN 6 INCHES (150mm) BELOW CEILING. 6 INCHES (150mm) BELOW CEILING SHALL TAKE PRECÈDENCE WHERE CEILING HEIGHT DOES NOT ALLOW BOTH DIMENSIONS FIRE ALARM VISUAL AND COMBINATION BOTTOM EDGE SHALL BE AT 80 INCHES (2030mm) AUDIBLE/VISUAL NOTIFICATION DEVICES AFF OR 6 INCHES (150mm) BELOW CEILING HEIGHT, WHICHEVER IS LOWER FIRE ALARM CONTROL PANEL 72 INCHES (1830mm)

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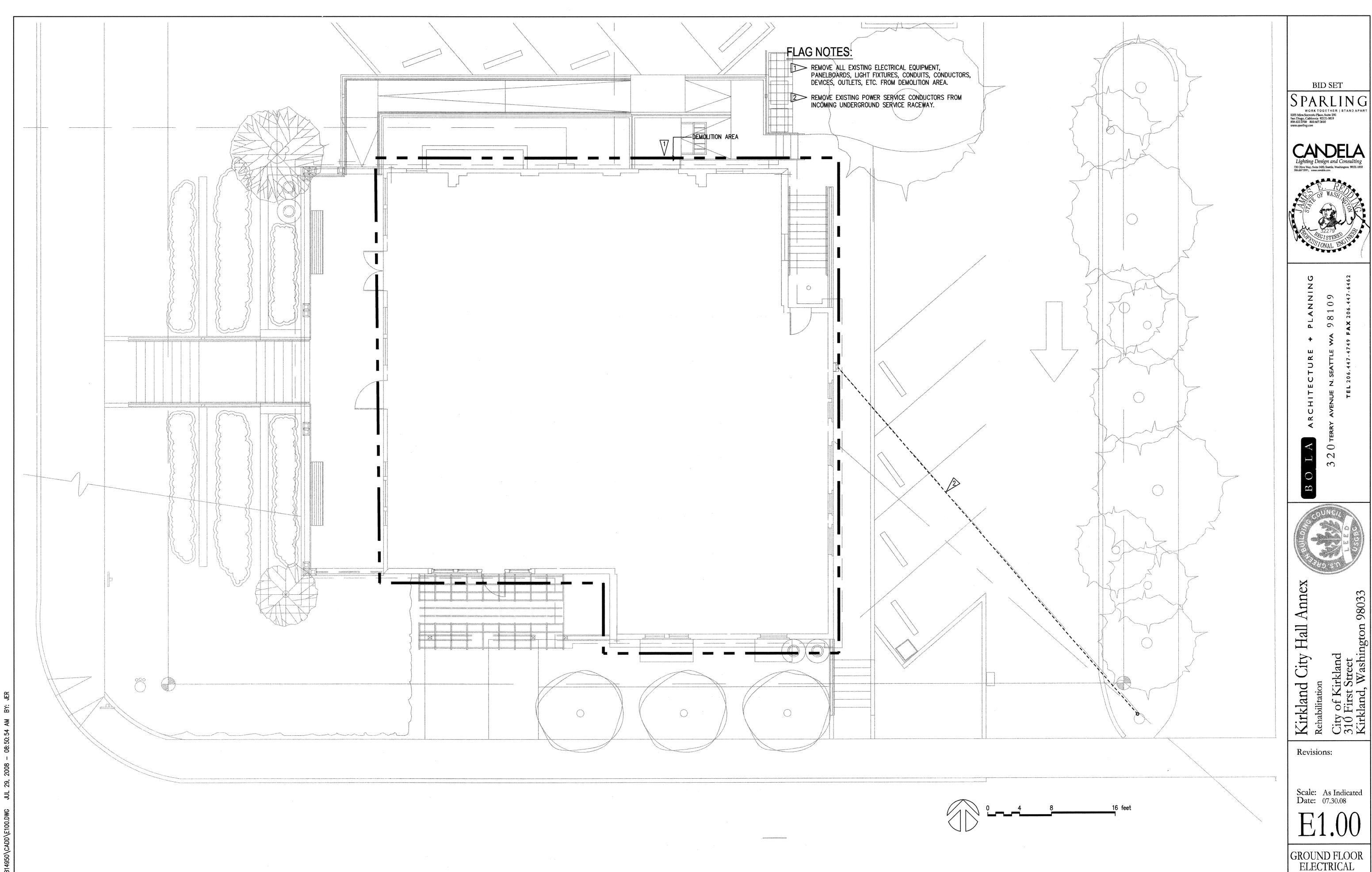
Kirkland City Hall Annex Rehabilitation

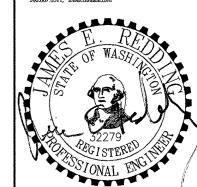
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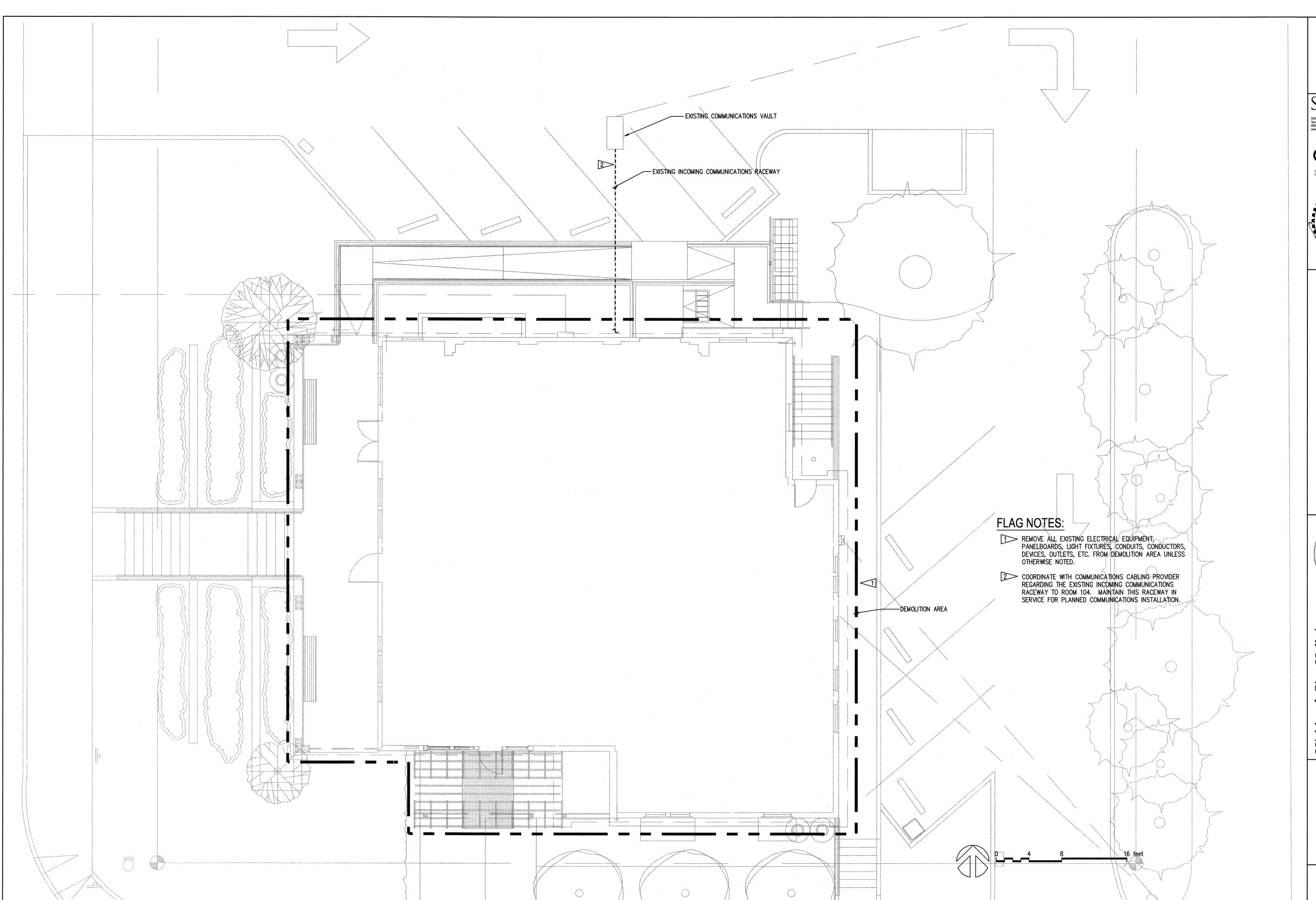
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SYMBOLS AND ABBREVIATIONS





GROUND FLOOR ELECTRICAL DEMO PLAN

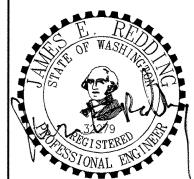


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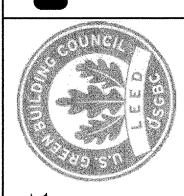
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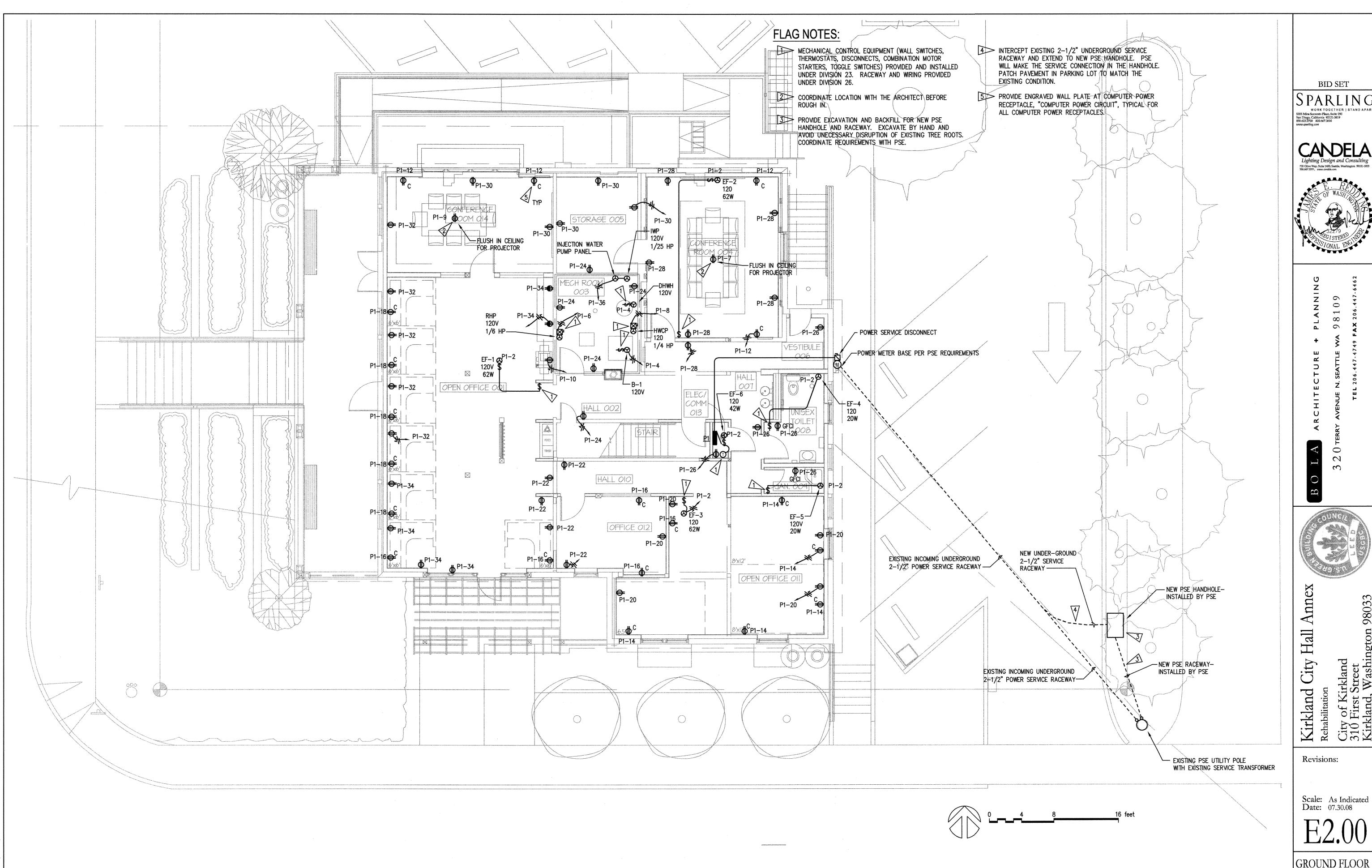
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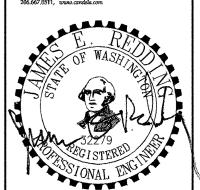
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FIRST FLOOR ELECTRICAL DEMO PLAN

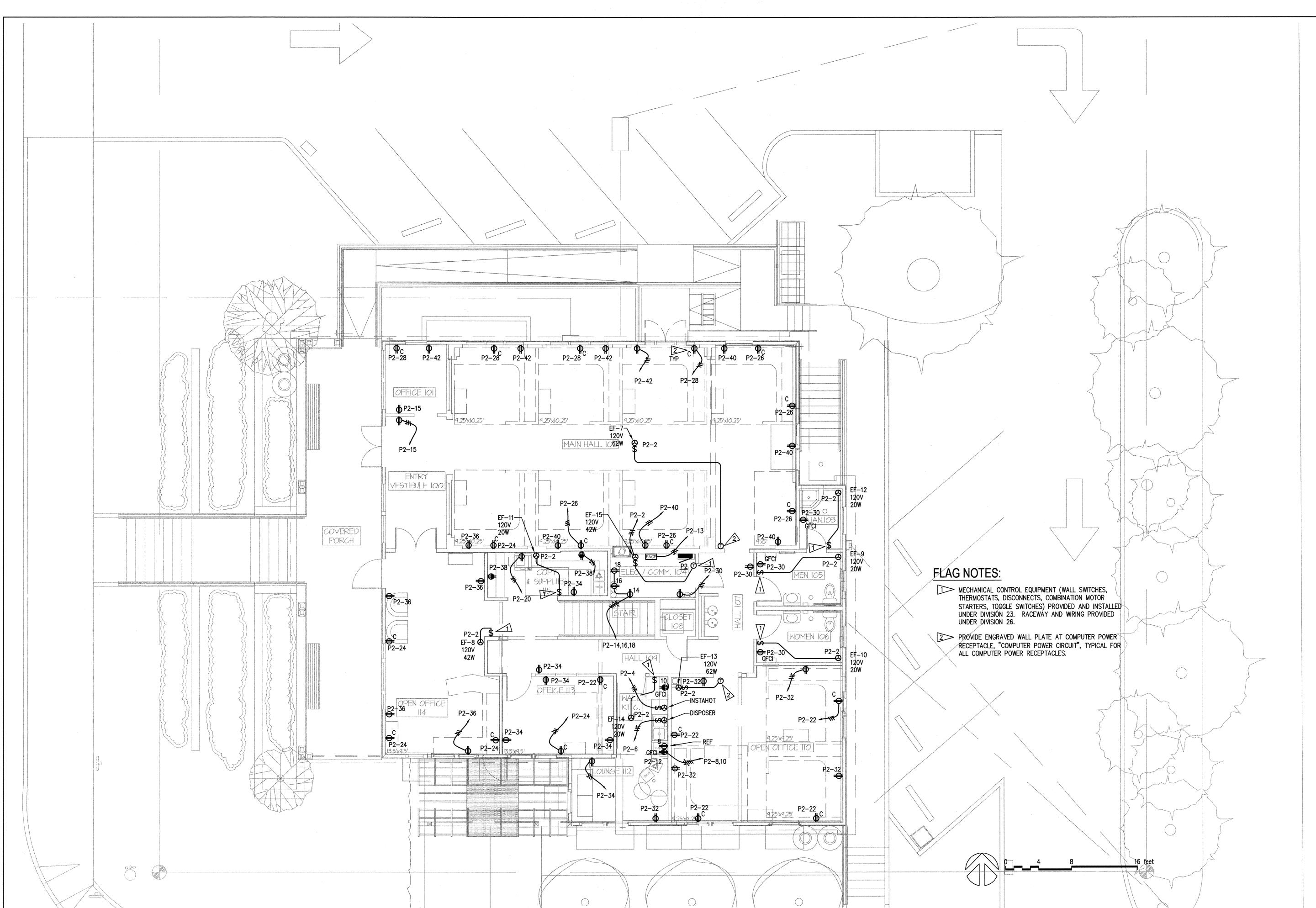


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GROUND FLOOR POWER PLAN



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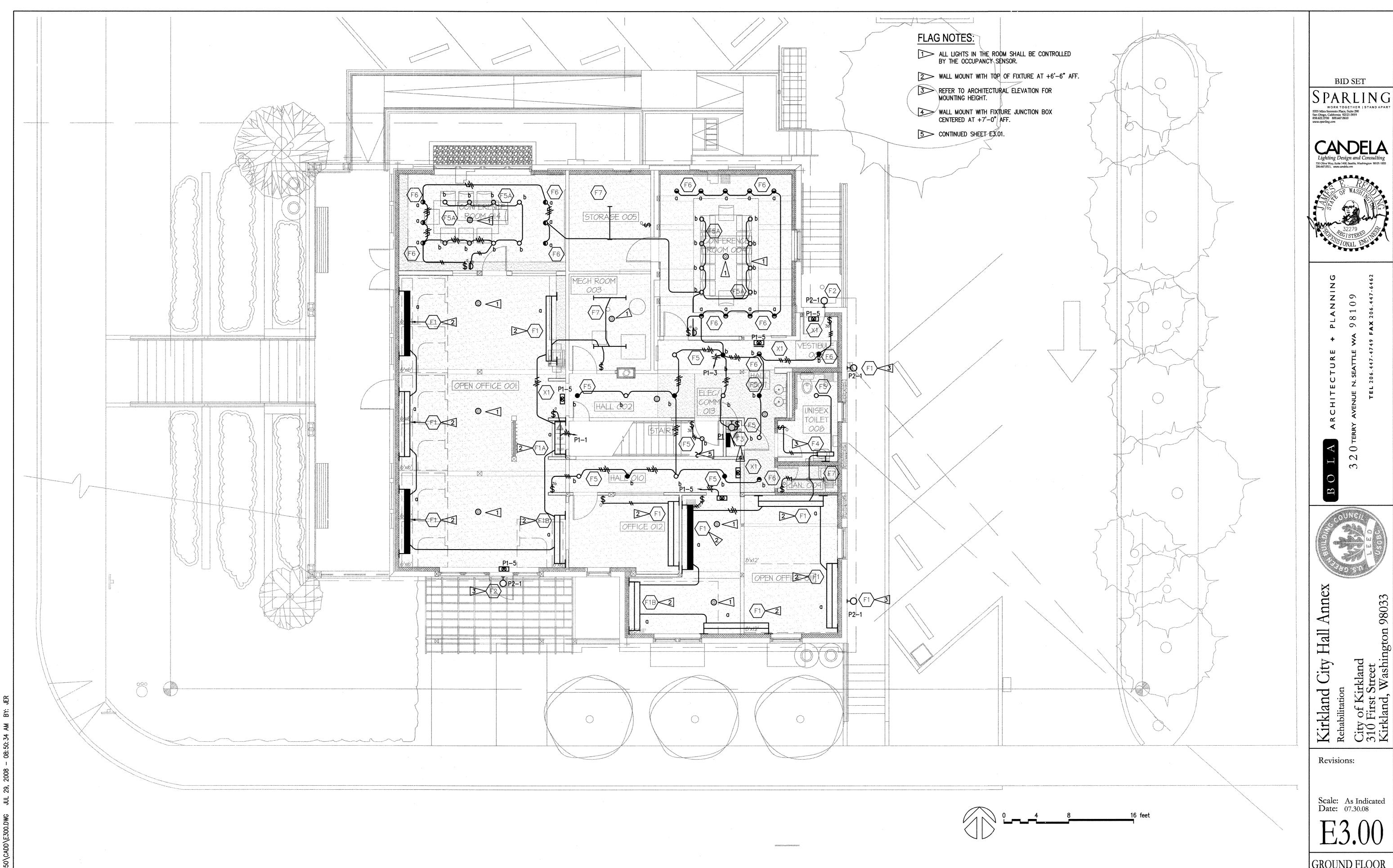
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FIRST FLOOR POWER PLAN

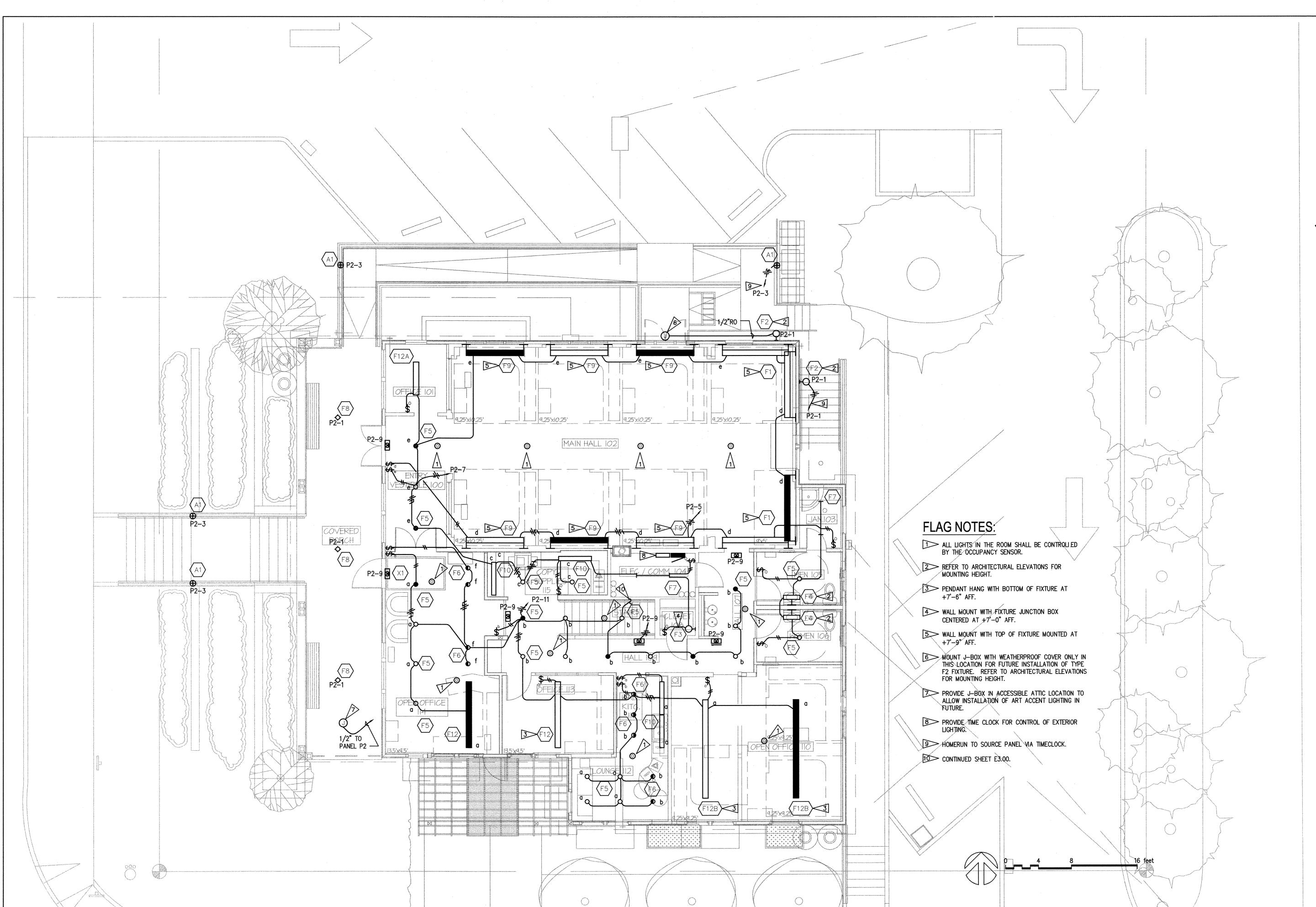


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GROUND FLOOR LIGHTING PLAN

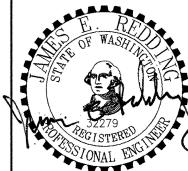


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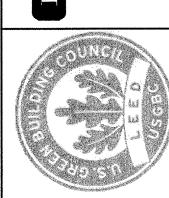
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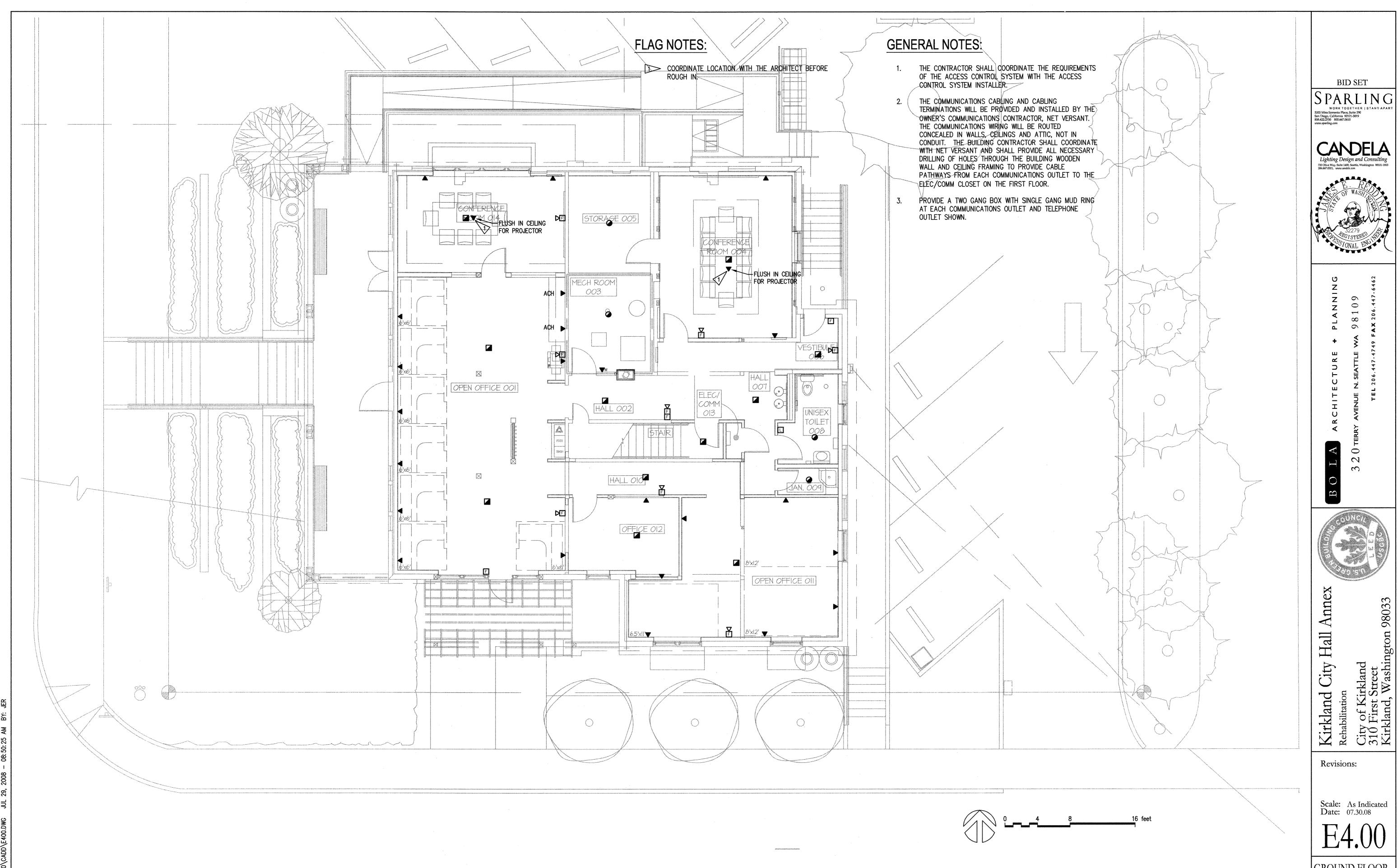
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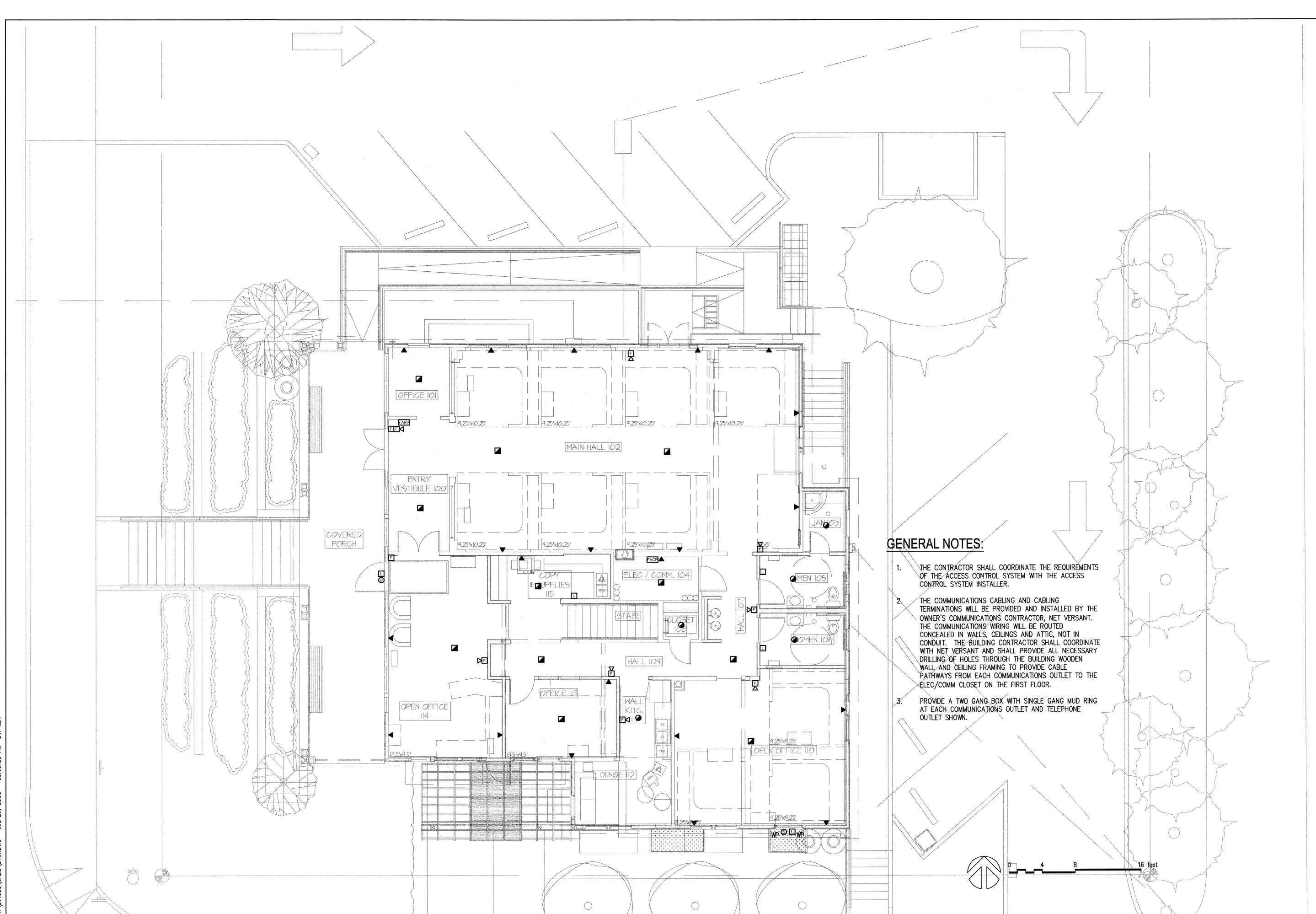
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FIRST FLOOR LIGHTING PLAN





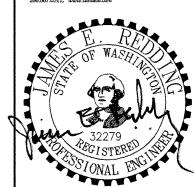
GROUND FLOOR SYSTEMS PLAN



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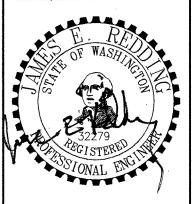
FIRST FLOOR SYSTEMS PLAN

**FLAG NOTES** 

PROVIDE CODE SERVICE GROUND.

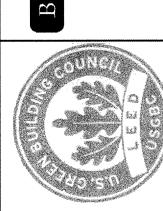
PROVIDE NEW SERVICE FEEDER CONDUCTORS. REFER TO SHEET E2.00 FOR RACEWAY WORK.

PROVIDE NEW METER BASE PER PSE REQUIREMENTS.



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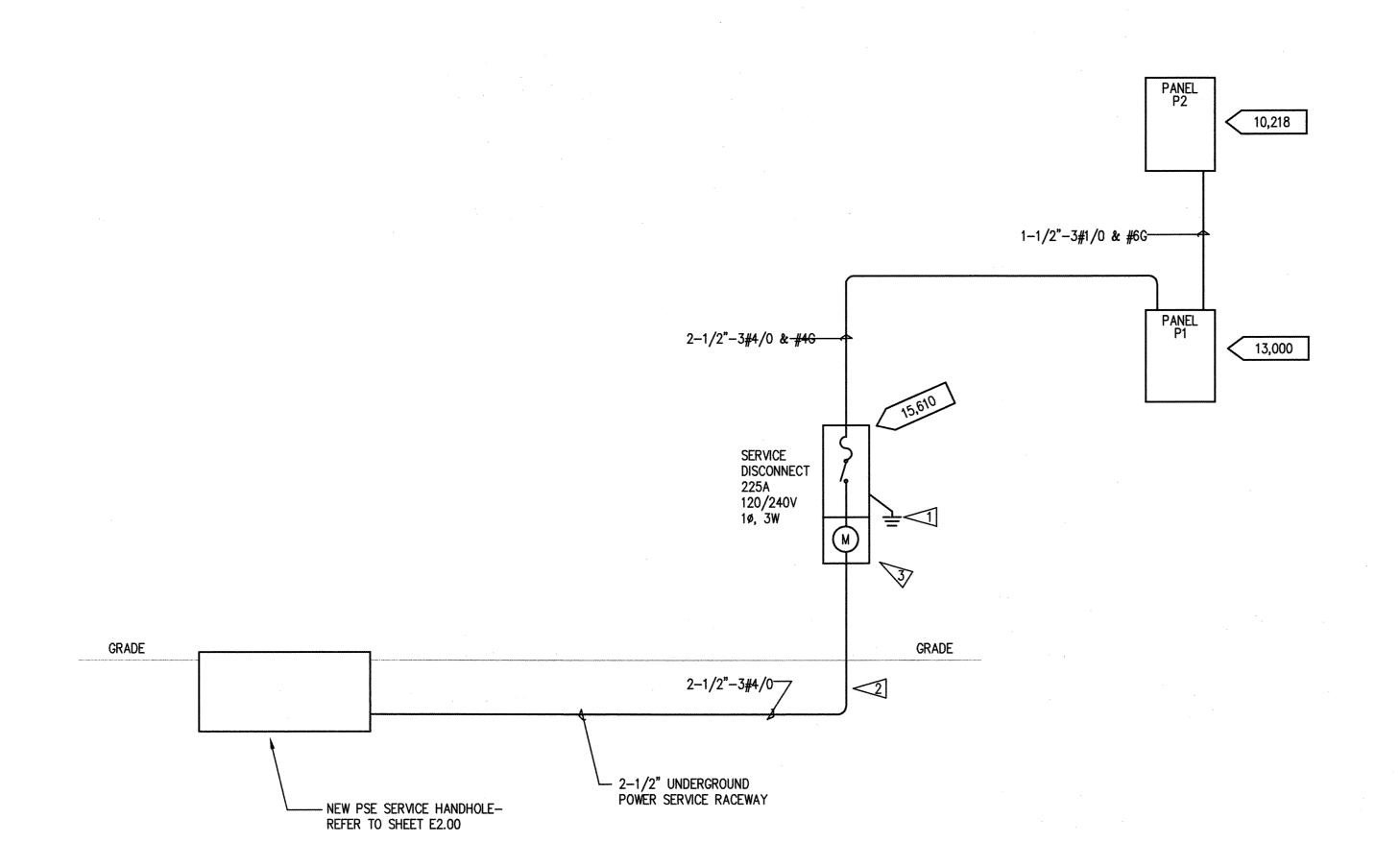
Kirkland City Hall Annex
Rehabilitation
City of Kirkland
310 First Street

Revisions:

Scale: As Indicated Date: 07.30.08

E8.01

POWER ONE LINE DIAGRAM





Hazardous Material Building Survey Kirkland Annex 310-312 First Avenue Kirkland WA 98033 December 6, 2007 **Project Title:** 

Hazardous Material Building Survey Kirkland Annex

310-312 First Avenue Seattle WA 98033

**Prepared For:** 

Ms. Susan Boyle

320 Terry Avenue N. Seattle WA 98109

**Inspection Conducted By:** 

Argus Pacific, Inc.

1900 W. Nickerson Street, Suite 315

Seattle, WA 98119

**Argus Pacific Project** 

Number:

471707

**Client Project Number:** 

N/A

**Inspection Personnel:** 

John Caparimo, EPA AHERA Certified Building Inspector Number

10210268052 (expiration September 28, 2007),

**Inspection Date(s):** 

November 20, 2007

**Report Prepared By:** 

Mr. John Caparimo /

Industrial Hygiene Technician

Argus Pacific Inc.

**Report Reviewed By:** 

Mr. Scott Parke

Principal

Argus Pacific, Inc.

**Report Issued:** 

December 6, 2007

#### **TABLE OF CONTENTS**

Section	Title
1.0	Executive Summary
2.0	Scope of Work
3.0	Asbestos Inspection
4.0	Lead Inspection
5.0	Florescent Light Tube, HID Lamp and PCB Light Ballast Inspection
Appendix	Title
Α	Suspected ACM HMAT List, Sample Locations and Sample Results
В	Suspected Lead-Based Paints, Sample Locations and Sample Results
С	Inventory of Fluorescent Light Tubes and Suspected PCB-Containing Fluorescent Light Ballasts
D	Drawings With Sample Locations
Е	Chain of Custody and Laboratory Analytical Results - Asbestos
F `	Chain of Custody and Laboratory Analytical Results - Lead
G	Certifications

#### 1.0 EXECUTIVE SUMMARY

Argus Pacific, Inc. (Argus Pacific) conducted a building inspection at the Kirkland Annex located at 312-310 First Avenue in Kirkland, WA on November 20, 2007.

The building was inspected for asbestos, lead-based coatings, and PCB-containing light ballasts.

Suspected asbestos-containing materials (ACM) sampled consisted primarily of wall plaster, surfacing texture, caulk, pipe insulation, cove base, carpet, ceiling tile, concrete, and mastic. Detectable asbestos was found in 7 out of the 45 samples collected and analyzed.

Suspected lead based paints were identified and sampled on building materials throughout the building. The samples were analyzed and all were below the limit of detection.

Florescent light fixtures and potential PCB containing ballasts were identified during the inspection. A representative sample of all the light fixtures present was inspected. No PCB containing ballasts were identified in the representative sample.

#### 2.0 SCOPE OF WORK

At your request, on November 20, 2007 Argus Pacific, Inc. (Argus Pacific) conducted a limited building inspection at the Kirkland Annex located at 312-310 First Avenue in Kirkland, WA for the following:

- Asbestos-containing materials (ACM);
- Assumed asbestos-containing materials;
- Lead-based coatings (paints);
- Suspected PCB-containing fluorescent light ballasts;
- Fluorescent light tubes.

The purpose of the inspection was to locate, identify, and quantify ACM and assumed asbestos-containing materials in order to fulfill the requirements indicated by the City of Kirkland. Paint chips were sampled to identify lead-based paints that may be impacted by construction activities at the site. Suspected PCB-containing ballasts and fluorescent light tubes were inventoried to facilitate removal and disposal of PCB and mercury containing materials during construction activities.

#### 2.1 Limitations

The building was not occupied at the time of the inspection. Destructive sampling was conducted at the site with the exception of certain areas. The hardwood floor throughout most of the house was not sampled at the request of the site contact, but can potentially conceal an asbestos containing moisture barrier.

Any newly discovered suspect materials not identified in this report that are found during construction activities must be treated as ACM until they are sampled and shown not to contain asbestos.

#### 2.2 Building Description

The building is a three-story wood structure with a concrete foundation and a pitched roof. The interior finishes include plaster, concrete masonry unit (CMU) walls, gypsum wallboard, carpet, vinyl floor tiles, and ceiling tiles.

#### 3.0 ASBESTOS INSPECTION

#### 3.1 Inspection Areas

The following areas of the building were inspected for asbestos: (See Appendix C)

#### 3.2 Sampling Methodology

Suspect asbestos-containing materials were sampled according to 40 CFR 763.86 by an EPA certified AHERA building inspector. Each sample was collected and stored in a heavy-duty, self-sealing plastic bag and hand delivered to Seattle Asbestos Test, LLC in Lynwood, WA. Samples were analyzed via polarized light microscopy (PLM) in accordance with EPA 600/R-93/116.

This survey was conducted using a modified protocol adapted from the Asbestos Hazard Emergency Response Act (AHERA). The protocol is as follows:

- Identify all suspect asbestos-containing materials.
- Group materials into homogeneous sampling areas/materials.
- Quantify each homogeneous material and collect representative samples. The number of samples collected of miscellaneous materials was determined by the inspector.
- Samples of each material were taken to the substrate, ensuring that all components and layers of the material were included.
- Sample locations are referenced on the field data forms and maps according to sample number.
- Sampling was performed by a Certified Building Inspector, and the use of proper protective equipment and procedures was followed.

Materials were grouped into homogenous materials (HMATs) that were identified as being uniform in appearance, color, and texture. An HMAT # is an un-biased, non-repeating, consecutive number assigned by the inspector to numerically represent a specific HMAT.

Unique sample numbers were generally developed as follows:

HMAT # -- HMAT series number -- Room number sample collected in

#### 3.3 Sampling Procedure

- 1. Spread the plastic drop cloth (if needed) and set up other equipment, e.g., ladder.
- 2. Don protective equipment (respirator and protective clothing if needed).
- 3. Label sample container with its identification number and record number. Record sample location, and type of material sampled on a sampling data form.
- 4. Moisten area where sample is to be extracted (spray the immediate area with water).

- 5. Extract sample using a clean knife, drill capsule, or cork boring tool to cut out or scrape off approximately one tablespoon of the material. Penetrate all layers of material.
- 6. Place sample in a container and tightly seal it.
- 7. Wipe the exterior of the container with a wet wipe to remove any material which may have adhered to it during sampling.
- 8. Clean tools with wet wipes and wet mop; or vacuum area with HEPA vacuum to clean all debris.
- 9. Seal the sampling location with caulking compound or a roofing tar, as appropriate.
- 10. Discard protective clothing, wet wipes and rags, cartridge filters, and drop cloth in a labeled plastic waste bag.

#### 3.4 Results

The following materials were sampled and found to contain asbestos:

- Gypsum Wallboard (GWB6-1-7) The gypsum wallboard on the 1<sup>st</sup> floor in room 7 was sampled, analyzed, and shown to contain 2% Chrysotile. However, the composite result for the whole sample is less than 1% asbestos.
- Hard Mudded Fittings (HMF1-1-8) The insulating elbows, also referred to as hard mudded fittings, on the first floor were sampled, analyzed, and shown to contain 3% Crocidilite and 25% Amosite. Insulating elbows were identified in the basement in rooms 1, 8, 9, and 10.
- Hard Mudded Fittings (HMF2-1-10) The insulating elbows, also referred to as hard mudded fittings, on the first floor were sampled, analyzed, and shown to contain 17% Chrysotile. Insulating elbows were identified in the basement in rooms 1, 8, 9, and 10.
- Surfacing Material (SM11-2-6) Surfacing material was identified on the walls of room 6 of the second floor. The material was sampled, analyzed, and shown to contain 2% Chrysotile. There is approximately 272 square feet of surfacing material.
- Surfacing Material (SM12-2-6) Surfacing material was identified on the walls of room 6 of the second floor. The material was sampled, analyzed, and shown to contain 2% Chrysotile. There is approximately 272 square feet of surfacing material.
- Surfacing Material (SM13-2-6) Surfacing material was identified on the walls of room 6 of the second floor. The material was sampled, analyzed, and shown to contain 2% Chrysotile. There is approximately 272 square feet.
- Vinyl Floor Sheeting (VFS3-1-4) Beige multi-color vinyl floor sheeting was identified on the floor of room 4 on the 1<sup>st</sup> floor. The material was sampled, analyzed, and shown to contain 2% Chrysotile. There is approximately 50 square feet of surfacing material.

The following materials were sampled and found to contain no detectable concentrations of asbestos:

See Appendix A and D

The following materials were **inspected** and determined to contain no asbestos:

- Fiberglass pipe insulation and elbows;
- Neoprene pipe insulation;
- Wood and rubber materials.

The following materials were not inspected and may contain asbestos:

- Paper backing located under wood floor;
- Electrical panels located Basement Vestibule and upstairs Hall

The following are provided for the building as appendices:

- Complete inventory of suspected asbestos-containing building materials (HMATs) with material descriptions, sample locations, sample results, and estimated quantities of ACM and assumed asbestos containing materials;
- Drawings with sample locations;
- Laboratory analytical results.

#### 3.5 Conclusions and Recommendations

Argus Pacific collected 7 samples of gypsum wallboard. In the first layer of one of the samples 2% Chrysotile asbestos was detected by the laboratory (see sample number GWB6-1-7). Treated as a composite result with other layers the whole result is less than 1%. Although a material containing less than 1% asbestos is not defined as an "asbestos-containing material" by the environmental or worker protection regulations, certain worker protection requirements may apply, see Washington State Department of Labor and Industries regulations for additional guidance and information.

Not all materials were inspected or sampled during the inspection. Argus Pacific recommends that materials assumed to contain asbestos be inspected and sampled prior to demolition, renovation, salvage, or re-use of the materials.

Any newly discovered material not identified in this report that is found during construction activities must also be treated as ACM until it is sampled and shown not to contain asbestos.

This survey is intended for use in developing plans and specifications. This survey is not intended to be used as or replace asbestos abatement plans, specifications, or bidding documents.

All asbestos-related work must be conducted according to the requirements of Washington State worker protection and environmental protection requirements. See WAC 296-62, 296-65, and Puget Sound Clean Air Agency regulation III, Article 4 for additional information.

The Asbestos Model Accreditation Program (MAP) found in 40 CFR 763 requires that a certified Asbestos Project Designer design any asbestos abatement job.

#### 4.0 LEAD INSPECTION

#### 4.1 Methodology

Homogeneous areas of suspected lead-based coatings (paints) were identified and sampled in accessible areas throughout the interior and exterior of the Kirkland Annex. Homogeneous painted surfaces were defined by substrate, color, and application.

Representative samples of suspected lead-based paints were collected from the following:

Pb1-2-Ext 2<sup>nd</sup> floor/exterior
 Pb2-2-Ext 2<sup>nd</sup> floor/exterior
 Pb3-1-10 1<sup>st</sup> floor/room 10
 Pb4-1-1 1<sup>st</sup> floor/room 1
 Pb5-2-1 2<sup>nd</sup> floor/room 1
 Pb6-2-10 2<sup>nd</sup> floor/room 10
 Pb7-2-4 2<sup>nd</sup> floor/room 4

Paint chip samples were collected to the substrate to ensure that all layers present on the substrate were included in the laboratory analysis. Each sample was collected and stored in a heavy-duty, self-sealing plastic bag and delivered to NVL Laboratories, Inc. in Seattle, WA. Samples were analyzed via Atomic Absorption Spectrophotometry in accordance with EPA SW 846, Method 7420.

#### 4.2 Results

Detectable concentrations of lead were found in all the paints sampled. A list of suspected homogeneous lead-based paints including sample locations and sample results is included as an appendix B.

Laboratory analytical results and field drawings with sample locations are included as appendices.

#### 4.3 Conclusions and Recommendations

Lead-based paints were identified at the Kirkland Annex.

Worker protection requirements apply to all construction activities that may disturb lead-based paints. Employers are required to protect their employees from occupational exposures to lead in accordance with WAC 296-155-176.

Building demolition waste and debris is required to be characterized before it can be accepted by a landfill. The characterization of waste streams known to contain lead is determined using the Toxicity Characteristic Leachate Process (TCLP), which determines the leaching potential of lead in the construction debris. A material "fails" the TCLP when there is greater than 5.0 parts per million (ppm) lead in the leachate.

#### 5.0 FLUORESCENT LIGHT TUBE AND PCB LIGHT BALLAST INSPECTION

#### 5.1 Methodology

An inventory of fluorescent light tubes and potential PCB-containing light ballasts was conducted in all accessible areas of the building.

Where fluorescent light fixtures were accessible, the ballast covers were removed, and the ballast labels were visually examined. Different types of fluorescent fixtures were distinguished by shield shape, fixture dimension, diffuser type, and the manner in which the ballast covers were connected to the fixture. Inspectors attempted to visually inspect at least two of each type of fluorescent light fixture.

Where fluorescent light fixtures could not be visually examined, the number of potential PCB-containing ballasts and fluorescent light tubes were estimated based on the following assumptions:

- Each double light tube fluorescent fixture contains one ballast;
- Each triple light tube fluorescent fixture contains two ballast.

All light ballasts are assumed to contain PCB's unless otherwise noted on the manufacturer's label.

#### 5.2 Results

Fluorescent light tubes were identified in the building, while no PCB containing light ballasts were identified. Forty-two 4-ft fluorescent light tubes were counted.

#### 5.3 Conclusions and Recommendations

Fluorescent light tubes may contain mercury. Fluorescent light ballasts may contain PCB's. Employers must inform their employees of mercury and PCB hazards in accordance with WAC 296-800-170.

Fluorescent light tubes and PCB-containing light ballasts must be removed and disposed of prior to building demolition as per 40 CFR 262, 40 CFR 265, and WAC 173-303.

We appreciate this opportunity to be of service to you. Please contact us at (206) 283-3733 if you have questions regarding this report, or if you require additional information.

Inspected by,

John Caparimo

Industrial Hygiene Technician

Argus Pacific, Inc.

Reviewed by,

Scott Fark

Principal ·

Argus Pacific, Inc.



Appendix A

Suspected ACM HMAT List, Sample Locations, and Sample Results

TABLE 1. ASBESTOS RESULTS

SAMPLE ID*	MATERIAL DESCRIPTION	SAMPLE RESULTS	SAMPLE LOCATION*	CONDITION	ESTIMATED QUANTITY
GWB1-2-1	Plaster	Control of the state of the sta	2nd Floor, Room 1	Good	GCANIII.
	L1: Plaster with paint	ND	2.11d 1 1001, 100111 1	Good	
GWB2-2-1	Gypsum Wallboard		2nd Floor, Room 1	Good	
	L1: Joint Comp'd	ND	2110 1 1001, 100111 1	Good	
	L2: Drywall	ND .	•		
GWB3-2-2	Gypsum Wallboard	112	2nd Floor, Room 2	Good	
	L1: Joint Comp'd with paint	ND	2110 1 1001, 100111 2	Good	
	L2: Drywall with paper backing	ND			
GWB4-2-5	Plaster		2nd Floor, Room 5	Good	
	L1: Plaster with paint	ND		Good	
GWB5-1-4	Gypsum Wallboard		1st Floor, Room 4	Good	
	L1: Joint Comp'd with paint	ND ND	1301100171001114	Good	
	L2: Drywall with paper backing	ND		-	
GWB6-1-7	Gypsum Wallboard		1st Floor, Room 7	Good	
	L1: Joint Comp'd	2% Chrysotile	2501100171001117	Good	
	L2: Drywall with paper backing	ND			
GWB7-1-2	Plaster		1st Floor, Room 2	Good	
	L1: Plaster with paint and wood debris	ND	23111001/11001112	Good	
CA1-2-Ext	Window Glazing		2nd Floor, Exterior	Good	
	L1: Caulk with paint	ND	Zila i looi, Exterior	Good	•
CA2-2-Ext	Window Glazing		2nd Floor, Exterior	Good	-
	L1: Caulk with paint	ND	Zila i looi, Exterior	Good	
HMF1-1-8	Insulating Elbow		1st Floor, Room 8	Good	21 elbows
	L1: Cloth	ND	250 1 1001/ 100111 0	Good	21 CIDOWS
	L2: Insulating Cement	3% Crocidolite			
	_	25% Amosite			
HMF2-1-10	Insulating Elbow		1st Floor, Room 10	Good	21 elbows
	L1: Cloth	ND	20111001/100111110	3000	51 CIDOM2
	L2: Insulating Cement	17% Chrysotile			

<sup>\* &</sup>lt;1% Asbestos based on composite analyzed.

TABLE 1. ASBESTOS RESULTS

SAMPLE ID*	MATERIAL DESCRIPTION	SAMPLE RESULTS	SAMPLE LOCATION*	CONDITION	ESTIMATED QUANTITY
VFS1-1-3	Vinyl Floor Sheeting		1st Floor, Room 3	Good	
	L1: Vinyl sheeting	ND		Coou	
	L2: Gray paper backing with mastic	ND			
VFS2-2-6	Vinyl Floor Sheeting		2nd Floor, Room 6	Good	
	L1: Vinyl sheeting	ND		<b>300</b> 4	
	L2: Tan paper backing with mastic	ND			
CV1-2-3	Cove Base		2nd Floor, Room 3	Good	
	L1: Mastic with paint	ND		Cood	
SM1-2-10	Wall Texture (Light)		2nd Floor, Room 10	Good	
	L1: Comp'd with paint	ND		3004	
SM2-2-2	Wall Texture (Light)		2nd Floor, Room 2	Good	
	L1: Comp'd with paint	ND.		Good	,
SM3-2-5	Wall Texture (Light)		2nd Floor, Room 5	Good	
	L1: Comp'd with paint	ND		Good	
SM4-2-2	Wall Texture (Light)		2nd Floor, Room 2	Good	
	L1: Comp'd with paint and paper	ND		Good	
SM5-2-1	Wall Texture (Light)		2nd Floor, Room 1	Good	
	L1: Comp'd with paint	ND		3000	
SM6-2-1	Wall Texture (Light)		2nd Floor, Room 1	Good	
	L1: Comp'd with paint	ND		Good	•
SM7-2-10	Wall Texture (Light)		2nd Floor, Room 10	Good	
	L1: Comp'd with paint	ND		Good	
SM8-1-8	Wall Texture (Medium)		1st Floor, Room 8	Good	
	L1: Comp'd with paint	ND	131 1.551, 1.55111 5	G000	
SM9-1-3	Wall Texture (Medium)		1st Floor, Room 3	Good	
	L1: Comp'd with paint	ND	130 1 10017 100111 3	Good	
SM10-1-4	Wall Texture (Medium)		1st Floor, Room 4	Good	
	L1: Comp'd with paint	ND	13011001, 1001114	Good	
SM11-2-6	Wall Texture (Heavy)		2nd Floor, Room 6	Good	272 sq. ft.
	L1: Comp'd with paint	2% Chrysotile	2.13 ( 1001, 1001) 0	Good	2/2 Sq. It.
SM12-2-6	Wall Texture (Heavy)		2nd Floor, Room 6	Good	272 sq. ft.
	L1: Comp'd with paint	2% Chrysotile		Good	2/2 Sq. II.
SM13-2-6	Wall Texture (Heavy)		2nd Floor, Room 6	Good	272 sq. ft.
	L1: Comp'd with paint	2% Chrysotile	2110 1 1001, 100111 0	Good	2/2 Sq. IL.

TABLE 1. ASBESTOS RESULTS

SAMPLE ID*	MATERIAL DESCRIPTION	SAMPLE RESULTS	SAMPLE LOCATION®	CONDITION	ESTIMATED QUANTITY
SEA1-1-7	Duct Sealant		1st Floor, Room 7	Good	
···	L1: Putty	ND		0000	
SEA2-1-7	Duct Sealant		1st Floor, Room 7	Good	
	L1: Putty	ND		Good	
	L1: Cove	ND			
	L2: Mastic	ND			į
CV3-1-2	Cove Base		1st Floor, Room 2	Good	<u> </u>
	L1: Cove	ND	150 16617 Reelii 2	Good	•
	L2: Mastic with drywall	ND			
CV4-1-4	Cove Base		1st Floor, Room 4	Good	<u></u>
	L1: Cove	ND	136 (100), (00))	Good	
	L2: Mastic with drywall	ND			
CV5-1-1	Cove Base		1st Floor, Room 1	Good	
	L1: Cove	ND	1501100171001111	Good	
	L2: Mastic with drywall	ND			
CM1-1-8	Carpet and Mastic		1st Floor, Room 8	Good	
	L1: Carpet	ND	250 1 10017 100111 0	Good	
	L2: Mastic	ND			
CM2-1-1	Carpet and Mastic		1st Floor, Room 1	Good	
	L1: Carpet	l ND	250 1 10017 100111 1	Good	
	L2: Mastic	ND			
VFS3-1-4	Vinyl Floor Sheeting		1st Floor, Room 4	Good	50 sq. ft.
	L1: Vinyl sheeting	ND I	1501/1001/14	Good	50 Sq. It.
	L2: Gray paper backing with mastic	ND			
	L3: Vinyl tile	2% Chrysotile			
	L4: Mastic	ND ND			
CON1-1-7	Concrete Floor		1st Floor, Room 7	Good	
	L1: Cement	ND	130 1001, 100111 /	Good	
SEA3-1-1	Penetration Putty		1st Floor, Room 1	Good	
	L1: Comp'd	ND I	230 1 1001, NOUIII 1	Good	
SEA4-1-8	Penetration Putty		1st Floor, Room 8	Good	
	L1: Putty	ND	13c 1 1001, NOUIII 0	Good	

TABLE 1. ASBESTOS RESULTS

SAMPLE ID*	MATERIAL DESCRIPTION	SAMPLE RESULTS	SAMPLE LOCATION®	CONDITION	ESTIMATED QUANTITY
CER1-2-7	Ceramic Tile		2nd Floor, Room 7	Good	
	L1: Ceramic Tile	ND	,		•
	L2: Grout	ND			
	L3: Mastic	ND			
RF!-2-Ext	House Siding (Wood)		2nd Floor, Exterior	Good	
*	L1: Drywall	ND	,	200	
	L2: Vapor barrier	ND			
•	L3: Wood siding	ND			. "
RF2-2-Ext	House Roof		2nd Floor, Exterior	Good	
	L1: Shingle	ND	,	3332	
	L2: Vapor barrier	ND			
BM1-3-Att	Brick and Mortar (Fireplace)		3rd Floor, Attic	Good	
	L1: Brick with cement	ND		333	
CER2-2-3	Ceramic Tile		2nd Floor, Room 3	Good	
	L1: Ceramic Tile	ND		3334	
	L2: Grout	ND	1		
	L3: Mastic	ND			
CT1-2-7	Ceiling Tile		2nd Floor, Room 7	Good	
	L1: Paper with paint	ND			

Notes: SF = square feet

GWB = gypsum wallboard

ND = no detectable concentration of asbestos

CHR = Chrysotile

L = layer



Appendix B

Suspected Lead based Paints, Sample Locations, and Sample Results

TABLE 2. LEAD RESULTS

SAMPLEID	MATERIAL DESCRIPTION	SAMPLE LOCATION®	SAMPLE RESULT (%)
Pb1-2-Ext	Siding/Wood/Beige	2nd Floor, Exterior	16.0000
Pb2-2-Ext	Trim/Wood/Green	2nd Floor, Exterior	1.1000
Pb3-1-10	Floor/Concrete/Red	1st Floor, Room 10	0.2800
Pb4-1-1	Trim/Wood/White	1st Floor, Room 1	0.1100
Pb5-2-1	Wall/Plaster/Beige	2nd Floor, Room 1	0.0300
Pb6-2-10	Wall/Plaster/Pale Yellow	2nd Floor, Room 10	0.0130
Pb7-2-4	Radiator/Iron/Beige	2nd Floor, Room 4	0.0940



Appendix C

Inventory of Fluorescent Light Tubes and Suspected PCB-Containing Fluorescent Light Ballasts

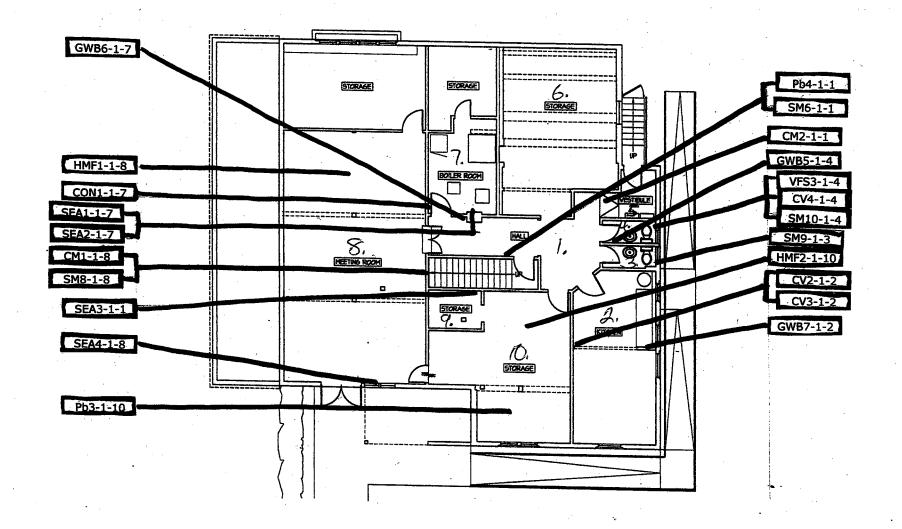
TABLE 3. PCB LIGHT BALLASTS AND FLUORESCENT LIGHT TUBES

Location	PCB LIGHT BALLASTS	FLOURESCENT LIGHT TUBES	FLOURESCENT LIGHT TUBES (LENGTH)
2nd Floor, Room 2	0	12	4
2nd Floor, Room 4	0	4	4
1st Floor, Room 1	0	2	4
1st Floor, Room 2	0	2	4
1st Floor, Room 6	0	4	4
1st Floor, Room 8	0	12	4
1st Floor, Room 10	0	6	4



Appendix D

Drawings with Sample Locations



157 Floor





AE2.00

Existing Basement Plan

KIRKLAND CITY HALL ANNEX

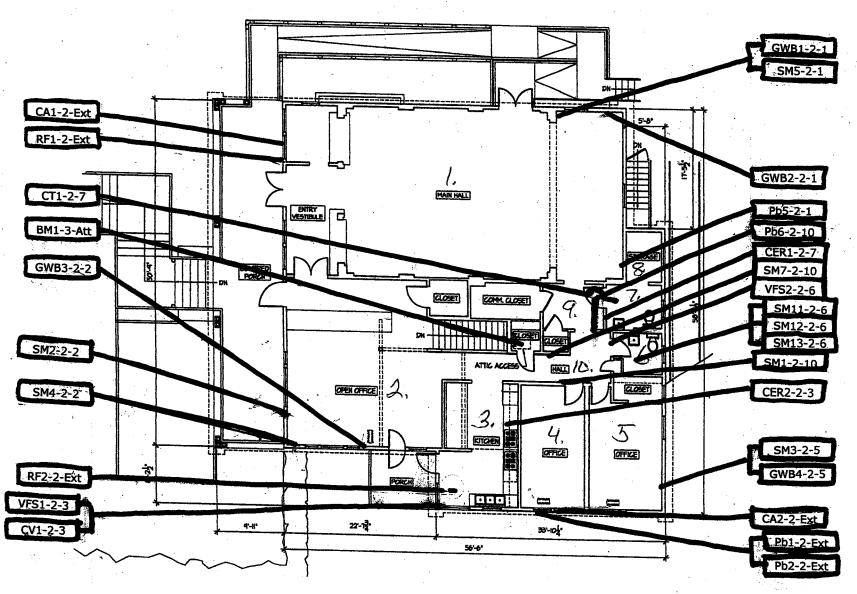
CITY OF KIRKLAND

EXISTING CONDITIONS

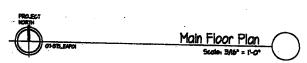
19 NOVEMBER 2007

ARCHITECTURE + PLANNING

TERRY AVENUE N. SEATTLE WA 98109 TEL 206:447-4749 FAX 206.447-6462



2nd Floor



AE2.01

Existing Main Floor Plan

KIRKLAND CITY HALL ANNEX

CITY OF KIRKLAND

EXISTING CONDITIONS

ARCHITECTURE + PLANNING

19 NOVEMBER 2007

TERRY AVENUE N. SEATTLE WA 98109 TEL 286.447-4749 FAX 286.447-6462



Appendix E

Chain of Custody and Laboratory Analytical Results-Asbestos

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NVLAP Accreditation Lab Code: 200768-0

#### **ANALYTICAL LABORATORY REPORT**

PLM by Method EPA/600/R-93/116

Attn.:Mr. Scott Parker Client:Argus Pacific, Inc. Address:1900 W Nickerson St # 315 Seattle, WA 98119 Client Job #: 302-310 Laboratory Batch #: 200792637 Date Received: 11/20/2007 Samples Received: 45

Date Analyzed: 11/23/2007

Samples Analyzed: 45

Project: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2007219254	GWB1-2-1		Gray sandy/brittle material with paint		None detected	Sands, Filler, Mica	3	Cellulose
2007219255	GWB2-2-1		White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
			Gray sandy/brittle material		None detected	Sands, Filler, Mica	3	Cellulose
2007219256	GWB3-2-2		White powdery material with paint		None detected	Binder/filler, Paint	2	Cellulose
			White chalky material with paper		None detected	Binder/filler Gypsum/binder	25	Cellulose
2007219257	GWB4-2-5		Gray sandy/brittle material with paint		None detected	Sands, Filler, Mica, Paint	4	Cellulose
2007219258	GWB5-1-4		White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
			White chalky material with paper		None detected	Binder/filler Gypsum/binder	22	Cellulose
		Analys	Comments: Compos	ite	result for wh	ole sample is less than 1	% a	sbestos.
2007219259	GWB6-1-7	1	Tan powdery material	2	Chrysotile	Binder/filler	5	Cellulose
			White chalky material with paper		None detected	Binder/filler Gypsum/binder	27	Cellulose
2007219260	GWB7-1-2		Gray sandy/brittle material with paint and wood debris		None detected	Sands, Filler, Mica	3	Cellulose

Reviewed by: Steve (Fanyao) Zhang, President

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PLM by Method EPA/600/R-93/116

Attn.: Mr. Scott Parker Client: Argus Pacific, Inc.

Address: 1900 W Nickerson St # 315

Seattle, WA 98119

Client Job #: 302-310 Laboratory Batch #: 200792637 Date Received: 11/20/2007

Samples Received: 45

Date Analyzed: 11/23/2007

Samples Analyzed: 45

Project: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2007219261	CA1-2-EXT		Gray brittle material with paint		None detected	Paint, Filler, Binder	2	Cellulose
2007219262	CA2-2-EXT		Gray brittle material with paint		None detected	Paint, Filler, Binder	3	Cellulose
2007219263	HMF1-1-8		White woven fiber with paint		None detected	Filler, Paint	65	Cellulose
			White powdery/fibrous material	3	Crocidolite	Ceramic/binder, Filler	15	Cellulose
				25	Amosite			
2007219264	HMF2-1-10	1 7	White woven fiber with paint		None detected	Filler, Paint	65	Cellulose
		2	White powdery/fibrous material	17	Chrysotile	Ceramic/binder, Filler	14	Cellulose
2007219265	VFS1-1-3	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	70	Cellulose
2007219266	VFS2-2-6	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan fibrous material with mastic		None detected	Binder/filler, Mastic/binder	67	Cellulose
2007219267	CV1-2-3	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
2007219268	SM1-2-10	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	25	Cellulose

7

Reviewed by: Steve (Fanyao) Zhang, President

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Date Analyzed: 11/23/2007

Samples Analyzed: 45

Project: N/A

Analyzed by: Steve (Fanyao) Zhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2007219269	SM2-2-2		White powdery material with paint		None detected	Binder/filler, Paint	6	Cellulose
2007219270	SM3-2-5		White powdery material with paint		None detected	Binder/filler, Paint	7	Cellulose
2007219271	SM4-2-2	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	17	Cellulose
2007219272	SM5-2-1		White powdery material with paint		None detected	Binder/filler, Paint	6	Cellulose
2007219273	SM6-2-1		White powdery material with paint		None detected	Binder/filler, Paint	8	Cellulose
2007219274	SM7-2-10		White powdery material with paint		None detected	Binder/filler, Paint	6	Cellulose
2007219275	SM8-1-8		White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
2007219276	SM9-1-3		White powdery material with paint		None detected	Binder/filler, Paint	6	Cellulose
2007219277	SM10-1-4		White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
2007219278	SM11-2-6	1	Tan powdery material with paint	2	Chrysotile	Binder/filler, Paint	6	Cellulose
2007219279	SM12-2-6	1	Tan powdery material with paint	2	Chrysotile	Binder/filler, Paint	6	Cellulose

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Date Analyzed: 11/23/2007

Samples Analyzed: 45

Project: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2007219280	SM13-2-6		Tan powdery material with paint	2	Chrysotile	Binder/filler, Paint	2	Cellulose
2007219281	SEA1-1-7		Gray hard/brittle material		None detected	Sands, Filler	3	Cellulose
2007219282	SEA2-1-7		Gray hard/brittle material		None detected	Sands, Filler	3	Cellulose
2007219283	CV2-1-2	1	Blue rubbery material		None detected	Rubber/binder	5	Cellulose
		2	White mastic		None detected	Mastic/binder	2	Cellulose
2007219284	CV3-1-2	1	Blue rubbery material		None detected	Rubber/binder	2	Cellulose
		1 ')	White mastic with powdry material		None detected	Mastic/binder	4	Cellulose
2007219285	CV4-1-4	1	Blue rubbery material		None detected	Rubber/binder	2	Cellulose
		1 ')	White mastic with powdry material		None detected	Mastic/binder	6	Cellulose
2007219286	CV5-1-1		Beige rubbery material		None detected	Rubber/binder	2	Cellulose
		1 ')	Brown mastic with powdry material		None detected	Mastic/binder	2	Cellulose

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Date Analyzed: 11/23/2007 Samples Analyzed: 45

Project: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2007219287	CM1-1-8		Gray woven fibrous material		None detected	Filler, Binder	85	Synthetic fibers
		2	Brown Mastic		None detected	Mastic/binder	5	Cellulose
2007219288	CM2-1-1		Gray woven fibrous material		None detected	Filler, Binder	80	Synthetic fibers
		2	Brown Mastic		None detected	Mastic/binder	3	Cellulose
2007219289	VFS3-1-4	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
			Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	55	Cellulose
		3	Brown tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		4	Brown mastic		None detected	Mastic/binder	4	Cellulose
2007219290	CON1-1-7		Gray sandy/brittle material		None detected	Sands, Filler, Mica	3	Cellulose
2007219291	SEA3-1-1		White powdery material		None detected	Binder/filler, Paint	5	Cellulose
2007219292	SEA4-1-8		Gray soft/elastic material		None detected	Binder, Filler	4	Cellulose

Jan

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Attn.: Mr. Scott Parker Client: Argus Pacific, Inc. Address: 1900 W Nickerson St # 315

Seattle, WA 98119

Client Job #: 302-310 Laboratory Batch #: 200792637 Date Received: 11/20/2007 Samples Received: 45

Date Analyzed: 11/23/2007 Samples Analyzed: 45

Project: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
2007219293	CER1-2-7	1	White ceramic	i	None detected	Ceramic/binder		None detected
		2	Gray brittle/sandy material		None detected	Binder Sands,	2	Cellulose
		3	Brown mastic		None detected	Mastic/binder	2	Cellulose
2007219294	RF1-2-EXT		White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
			Black asphaltic fibrous material		None detected	Asphalt/binder, Binder/filler	70	Cellulose
		3	Brown wood		None detected	Wood	15	Cellulose
2007219295	RF2-2-EXT	1	Multi-layered black asphaltic material with sand		None detected	Asphalt/binder	75	Cellulose
			Black asphaltic fibrous material		None detected	Asphalt/binder, Binder/filler	67	Cellulose
2007219296	BM1-3-ATT	1	Gray/brown sandy/brittle material		None detected	Sands, Filler, Mica	3	Cellulose
2007219297	CER2-2-3	1	White ceramic		None detected	Ceramic/binder		None detected
		2	Gray brittle/sandy material		None detected	Binder Sands,	2	Cellulose

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#### **ANALYTICAL LABORATORY REPORT**

PLM by Method EPA/600/R-93/116

Attn.: Mr. Scott Parker Client: Argus Pacific, Inc. Address: 1900 W Nickerson St # 315 Seattle, WA 98119 Client Job #: 302-310 Laboratory Batch #: 200792637 Date Received: 11/20/2007 Samples Received: 45

Date Analyzed: 11/23/2007

Samples Analyzed: 45

#### Project: N/A

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-Fibrous Components	%	Non-asbestos Fibers
		3	Brown mastic	1	None detected	Mastic/binder	3	Cellulose
2007219298	CT1-2-7		Gray fibrous material with paint		None detected	Paint, Filler, Perlite	65	Cellulose

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Date Analyz

Date Analyzed: 11/23/2007

Client Job #: 302-310

Laboratory Batch #: 200792637

Samples Received: 45

Mr. Scott Parker Argus Pacific, Inc. 1900 W Nickerson St # 315 Seattle, WA 98119

Enclosed please find the test results for the bulk samples submitted to our laboratory for asbestos analysis. Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA/600/R-93/116.

NOV 2 8 2007

Since variation in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). Statistically, point counting is a more accurate method. If you feel a point count might be beneficial, please feel free to call and request one.

The test results refer only to the samples submitted. The accuracy with which these samples represent the actual materials is totally dependent on the acuity of the person who took the samples.

This report is highly confidential and will not be released without your consent. Samples are archived for two weeks after the analysis, and disposed of as hazardous waste thereafter.

Thank you for using our service and let us know if we can further assist you.

Sincerely

Steve (Panyao) Zhang

President

2007 9263 NVLAP Accredited, 200768-0

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#### **CHAIN OF CUSTODY**

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	Sample Condition: (	GoodDamaged	Severe Damage(Spil	llage)	
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1	16MB1-2-1				
2	16NR2-2-1				
3	16WB3-2-2				
4	GWB4-2-5				
5	6WB5-1-84				
6	16W36-1-47				
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8	CAI-Q-EXT		1		
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12	V13-1-3				
13	V1-32-1-6				
14	CV1-2-3				
15	15M1-2-10				
16	51-2-2				
17	5/13-2-3				
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19	5175-2-1				
20	5M6-4-1				1
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submitted and disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. Seattle Asbestos Test accepts no legal responsibility for the purpose for which the client uses the test results. By signing on this form the clients agree to relieve Seattle Asbestos Test of any liability that may arise from the test results. Invoices paid late may be charged of interest, and invoices go to collection may be charged 17% to 25% of collection fee. Checks with NSF will be charged \$50.

E-mail results to: John Configus Pacific, con

OS TEST, LLC

NVLAP Accredited, 200758-6

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		CHAIN OF CU	STODY		
ANALYS	IB: BULK ASBESTOS TEST PONT	r Count (400), POINT COUN	IT (1000) POINT COUNT (Grav	imetric), Other	
Client Nam	· Arous Paciti	·			,
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•	Turn Around T	ime 3 Number of Ser	mples 45 Client Job #	302-310	
	Sample Condition: G	ood Damaged	Severe Damage(Spilla	(pe)	
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5	5M1-2-6	<del> </del>			
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7	5MB-2-6			**************************************	
8	SEA1-1-7			***************************************	
9	SEA2-1-7			**************************************	
10	CV2-1-2				
11	CV3-1-2				
12	CV4-1-4				
13	CV5-1-1				
14	CM1-1-8				
15	CM2-1-1			•	
16	VE33-1-4				
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Seattle Asbestos Test warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted and disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. Seattle Asbestos Test accepts no logal responsibility for the purpose for which the client uses the test results. By signing on this form the clients agree to relieve Seattle Asbestos Test of any liability that may arise from the test results. Invoices paid late may be charged of interest, and invoices go to collection may be charged 17% to 25% of collection fee. Checks with NSF will be charged \$50.

Email

, Fax

Result reporting method: Phone

Pick-up report

I-mail results to: John Contraus Pacific. con

19711 Scriber Lake Road, Suite D, Lynnwood, WA 98036 Fel: (425) 673-9850 Fex: (425) 673-9810

www.scattleasbestoatest.com

Accredited, Experienced, Insured, and Well Managed!

2005 9263 NYLAP (ccredited, 200768-0

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,	:	Sample Condition: (				
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Invoices paid late may be charged of interest, and invoices go to collection may be charged 17% to 25% of collection fee.

Checks with NSF will be charged \$50.

E-mail Results Tam Coangel Results Com

of merchantability. Scattle Asbestos Test accepts no legal responsibility for the purpose for which the client uses the test results. By signing on this form the clients agree to relieve Scattle Asbestos Test of any liability that may arise from the test results.



Appendix F

Chain of Custody and Laboratory Analytical Results-Lead

### **NVL Laboratories, Inc.**

4708 Aurora Ave. N., Seattle, WA 98103 Tel: 206.547.0100, Fax: 206.634.1936 www.nvllabs.com

### **Analysis Report**

AIHA - IH # 101861 WA - DOE # C1765



#### Total Lead (Pb)

Client: Argus Pacific, Inc.

Address: 1900 W. Nickerson St., Suite 315

Seattle, WA 98119

Attention: Mr. Scott Parker

Project Location: N/A

Batch #: 2716329.00

Matrix: Paint Chips Method: EPA 7000B

Client Project #: 302-310 Date Received: 11/20/2007

Samples Received: 7 Samples Analyzed: 7

Lab ID	Client Sample #	Sample Weight	RL in mg/Kg	Results in mg/Kg	Results in percent
27105276	Pb1-2-EXT	0.2089	43.0	160000.0	16.0000
27105277	Pb2-2-EXT	0.2022	44.0	11000.0	1.1000
27105278	Pb3-1-10	0.1406	63.0	2800.0	0.2800
27105279	Pb4-1-1	0.2249	40.0	1100.0	0.1100
27105280	Pb5-2-1	0.1763	50.0	300.0	0.0300
27105281	Pb6-2-10	0.2077	43.0	130.0	0.0130
27105282	Pb7-2-4	0.1958	45.0	940.0	0.0940

Sampled by: Client

Analyzed by: Tanveer Khan

Reviewed by: Nick Ly

mg/ Kg =Milligrams per kilogram

Date Analyzed: 11/23/2007

Date Issued: 11/23/2007

RL = Reporting Limit

'<' = Below the reporting Limit

Percent = Milligrams per kilogram / 10000

Note: Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 27-1121-8

Page 1 of 1

### NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103
Tel: 206.547.0100 Emerg.Pager: 206.344.1878
Fax: 206.634.1936 1.888 NVJ J. ARS. (685.5237)

## CHAIN of CUSTODY SAMPLE LOG

2716329.00

1 ax. 200.034.19		•	685.5227)					o or early Market
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	Suite 315				Total Sample:		3_/	
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Phone	: (206) 39	96-4938 F	ax: (206)	285-3927 H	ome			<del>9.01</del> 9
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☐ Asbestos B	ulk 🗀 PLI	M (EPA/600/R-	93/116)	PLM (EPA Point	Count)	A Gravimetry)	TEM Bulk	31
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Other Types	Fibe	erglass 🗌 Nui	sance Dus	t [] Other (Spec		ir (Or) Conver ()	-g)	
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Special Instruc	ctions: U	nless requeste	d in writing	, all samples will t	pe disposed of two (	2) weeks after an	alysis.	
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November 23, 2007

Scott Parker

Argus Pacific, Inc.
1900 W. Nickerson St., Suite 315
Seattle, WA 98119

NOV 3 0 2007

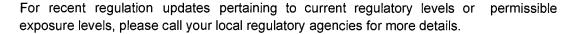


RE: Metals Analysis; NVL Batch # 2716329.00

Dear Mr. Parker,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Examination of these samples was conducted using analytical instruments in accordance to U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.



This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. if you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

NVL LABORATORIES, INC 4708 AURORA AVE N SEATTLE. WA 98103.6516

HI - AHIA

#101861

TEL **206.547.0100**FAX 206.634.1936

Enclosure:

Nick Ly, Technical Director





Appendix G

Certifications



SOUND DATA

LABORATORY QUALITY ASSURANCE PROGRAMS

SMART DECISIONS

#### AIHA

Your Essential Connection: Advancing Occupational and Environmental Health and Safety Globally

2700 Prosperity Ave., Suite 250, Fairfax, VA 22031 U.S.A. (703) 849-8888; Fax (703) 207-3561; www.aiha.org

# AIHA Laboratory Quality Assurance Programs SCOPE OF ACCREDITATION

**NVL Laboratories, Inc.** 4708 Aurora Avenue North, Seattle, WA 98103 Laboratory ID: 101861
Issue Date: 08/09/2006

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA website at: <a href="http://www.aiha.org/Content/LOAP/accred/AccreditedLabs.htm">http://www.aiha.org/Content/LOAP/accred/AccreditedLabs.htm</a>

#### **Industrial Hygiene Laboratory Accreditation Program (IHLAP)**

Initial Accreditation Date: 04/01/1997

IHLAP Category	Field of Testing (FoT)	Method	Method Description (for internal methods only)
	AA	NIOSH 7082	
		NIOSH 7048	
·		NIOSH 7024	
Core Program Testing		NIOSH 7030	
	ICP	NIOSH 7300	
	Phase Contrast Microscopy (PCM)	NIOSH 7400	

✓ Metals*	Organic Solvents*
☐ Silica*	Diffusive Sampler (3M)*
✓ Asbestos*	Diffusive Sampler (SKC)*
☐ Bulk Asbestos*	☐ Diffusive Sampler (AT)*
☐ Beryllium*	☐ WASP¹ (Formaldehyde)
☐ WASP¹ (Thermal Desor	
☐ Pharmaceutical Round	
☐ Compressed/Breathing	
	the time of site assessment)

Effective: February 28, 2006

101861 Scope\_IHLAP\_2006\_08\_09

Author: Kris Heinbaugh

Page 1 of 1

# United States Department of Commerce National Institute of Standards and Technology



## Certificate of Accreditation to ISO/IEC 17025:2005

**NVLAP LAB CODE: 200768-0** 

Seattle Asbestos Test, LLC Lynnwood, WA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

#### **BULK ASBESTOS FIBER ANALYSIS**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated 18 June 2005).

2007-10-01 through 2008-09-30

Effective dates



For the National Institute of Standards and Technology



This is to certify that

# John Caparimo

has satisfactorily completed 4 hours of refresher training as an

## **Asbestos Building Inspector**

to comply with the training requirements of TSCA Title II / 40 CFR 763 (AHERA)

Certificate Number: 10268052



EPA Provider Cert. Number: 1085



Sep 26, 2007

Date(s) of Training

Exam Score: NA

Expiration Date: Sep 25, 2008

Argus Pacific, Inc. • 1900 W. Nickerson, Suite 315 • Seattle, Washington • 98119 • (206) 285.3373 • fax (206) 285.3927



December 6, 2007

Ms. Susan Boyle 320 Terry Avenue, N Seattle, WA 98109

RE: MOLD SAMPLING AT KIRKLAND ANNEX, 312-310 FIRST AVENUE, SEATTLE, WA 98033

Dear Ms. Boyle,

Matt Hamel (BOLA) expanded Argus Pacific's scope of work to include the collection and analysis of a tape lift sample for suspected visible growth (SVG) at the Kirkland Annex, 312-310 First Avenue, Seattle, WA 98033.

John Caparimo (Argus Pacific), an EPA-certified AHERA Building Inspector, # 102680052 (exp. September 25, 2008) performed the sampling.

This inspection and associated results letter are intended to assist with an evaluation for the need for further testing of SVG and moisture at the Kirkland Annex.

#### RESULTS

Argus Pacific conducted a Hazardous Materials inspection on November 20, 2007 of the Kirkland Annex. Sampling of the SVG was requested by the on-site contact, Mr. Dave Snyder (City of Kirkland). We held the sample and did not have it analyzed until receiving verbal instructions from Matt Hamel (BOLA) to submit the sample for analysis.

For the sample, a tape lift sampling technique was performed and then the sample was analyzed for Nonviable Fungal ID. The results and the location of the sampling are as follows:

Sample ID	Sample Location	Date of Sampling	Results
FU 01-MF-MH	Main Floor, Main	November 20, 2007	High: Cladosporium*
	Hall, NE corner, Wall		_

<sup>\*</sup>Most of the spores are found in clusters associated with insect frass.

#### CONCLUSIONS AND RECOMMENDATIONS

On November 20, 2007 Argus Pacific sampled the Kirkland Annex for SVG, which revealed a high concentration of Cladosporium in the area sampled. In addition, the presence of mold indicates the possibility of water intrusion into the building. Additional moisture sampling could identify the extent of moisture intrusion into the building.



Argus Pacific can perform additional mold and moisture sampling if requested. Please contact Scott Parker to discuss these services relating to your project.

We appreciate this opportunity to be of service to you. Please contact us at (206) 283-3733 if you have questions regarding this report, or if you require additional information.

Inspected by,

John Caparimo

Industrial Hygiene Technician

Attachment: Site drawing with sample location

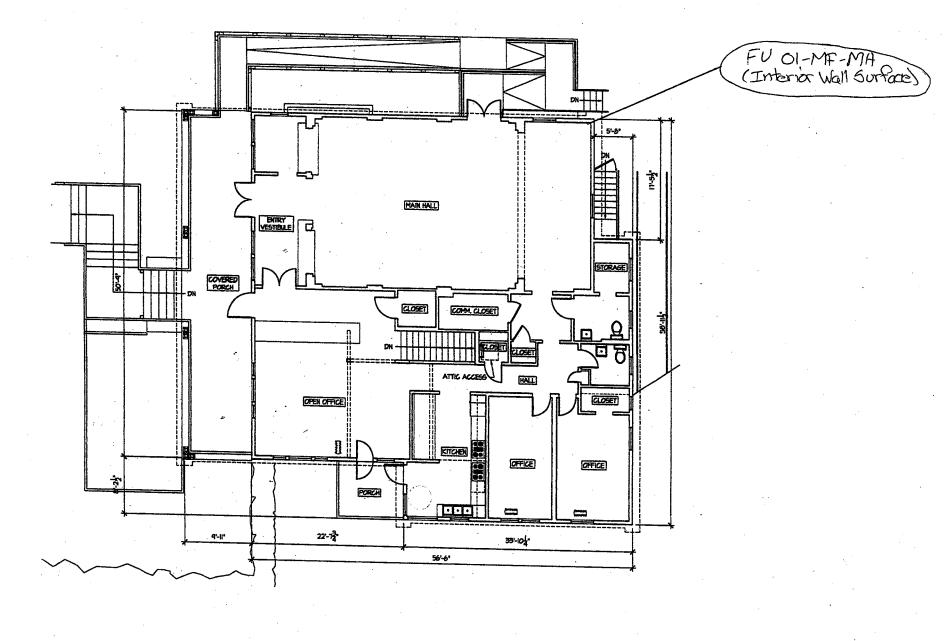
Argus Pacific, Inc.

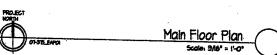
Reviewed by,

Scott Parker

Principal

Argus Pacific, Inc.





AE2.01

Existing Main Floor Plan

KIRKLAND CITY HALL ANNEX

CITY OF KIRKLAND

**EXISTING CONDITIONS** 

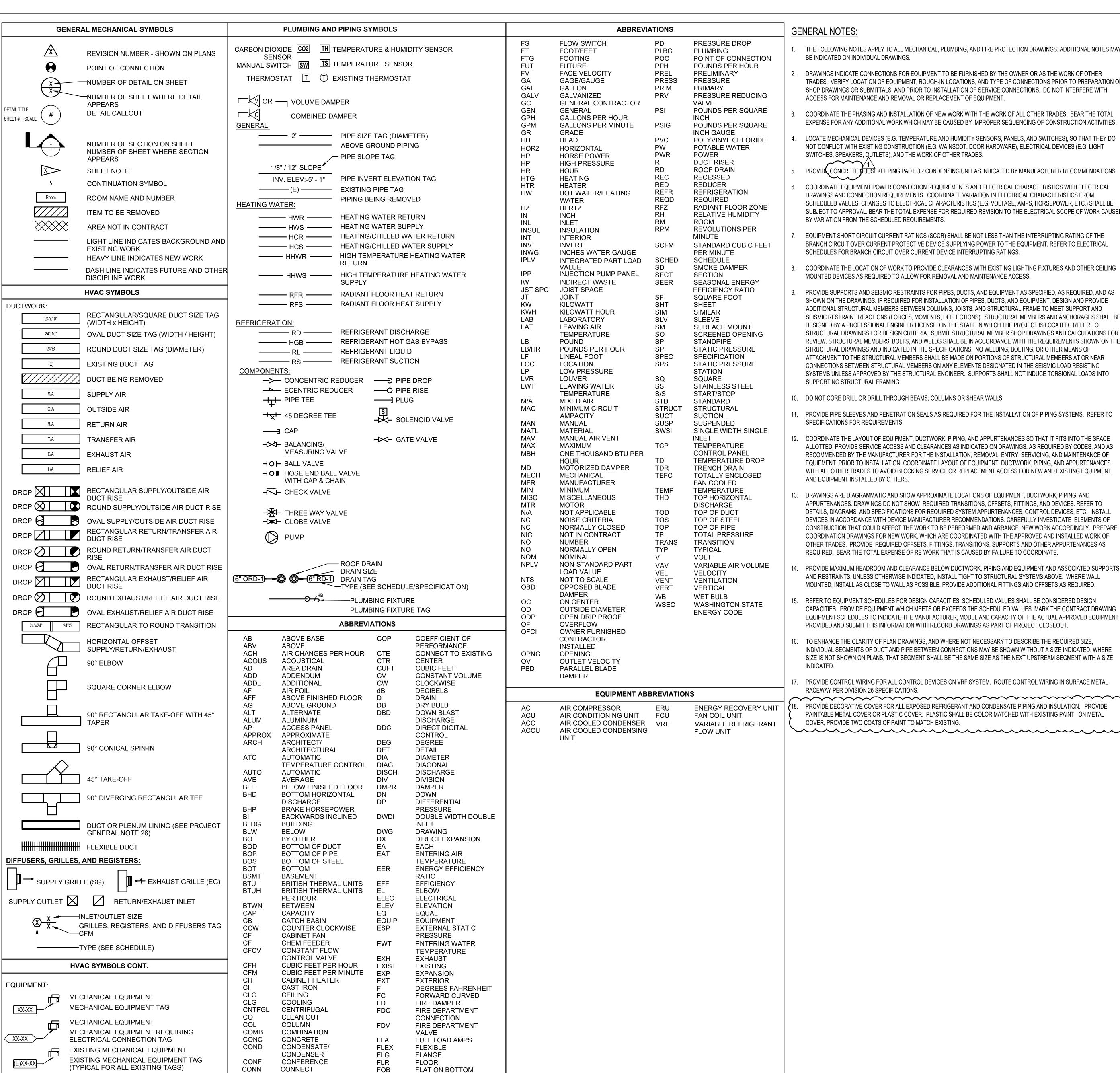
19 NOVEMBER 2007

ARCHITECTURE + PLANNING

TERRY AVENUE N. SEATTLE WA 98109 TEL 206.447-4749 FAX 206.447-6462

#### **CHANGES TO DRAWINGS:**

- 1. Replace drawing M-0.1 with attached revised drawing dated 11/10/2023.
- 2. Replace drawing E3.1 with attached revised drawing dated 11/10/2023.
- 3. On Sheet E3.2, revise General Note 1 to read "SURFACE MOUNTED CIRCUITS SHALL UTILIZE SURFACE METAL RACEWAY. FIELD VERIFY LOCATION OF BEAMS. PROVIDE ALL REQUIRED FITTINGS TO ROUTE AROUND BEAMS. CONDUITS CAN BE ROUTED IN ATTIC SPACE AND UTILIZE EMT."



MECHANICAL EQUIPMENT

**EQUIPMENT FOR REFERENCE** 

<u> ⟨(E) XX-XX</u> >

**EXISTING MECHANICAL EQUIPMENT** 

**EQUIPMENT TAG (REFER TO OTHER** 

REQUIRING ELECTRICAL CONNECTION TAG

DISCIPLINE FOR ADDITIONAL INFORMATION)

CONST

COORD

CONT

CONSTRUCTION

CONTINUATION

CONTRACTOR

COORDINATE

**COEFFICIENT OF** 

CONTINUE/

CONTRACT/

REDUCER

**FINS PER FOOT** 

FINS PER INCH

**FIBERGLASS** 

FEET PER MINUTE

REINFORCED PIPE

FPF

FPI

FPM

FLAT ON TOP REDUCER

**GENERAL NOTES:** 

- THE FOLLOWING NOTES APPLY TO ALL MECHANICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS. ADDITIONAL NOTES MAY BE INDICATED ON INDIVIDUAL DRAWINGS.
- DRAWINGS INDICATE CONNECTIONS FOR EQUIPMENT TO BE FURNISHED BY THE OWNER OR AS THE WORK OF OTHER TRADES. VERIFY LOCATION OF EQUIPMENT, ROUGH-IN LOCATIONS, AND TYPE OF CONNECTIONS PRIOR TO PREPARATION OF SHOP DRAWINGS OR SUBMITTALS, AND PRIOR TO INSTALLATION OF SERVICE CONNECTIONS. DO NOT INTERFERE WITH ACCESS FOR MAINTENANCE AND REMOVAL OR REPLACEMENT OF EQUIPMENT.
- COORDINATE THE PHASING AND INSTALLATION OF NEW WORK WITH THE WORK OF ALL OTHER TRADES. BEAR THE TOTAL EXPENSE FOR ANY ADDITIONAL WORK WHICH MAY BE CAUSED BY IMPROPER SEQUENCING OF CONSTRUCTION ACTIVITIES.
- LOCATE MECHANICAL DEVICES (E.G. TEMPERATURE AND HUMIDITY SENSORS, PANELS, AND SWITCHES), SO THAT THEY DO NOT CONFLICT WITH EXISTING CONSTRUCTION (E.G. WAINSCOT, DOOR HARDWARE), ELECTRICAL DEVICES (E.G. LIGHT SWITCHES, SPEAKERS, QUTLETS), AND THE WORK OF OTHER TRADES.
- PROVIDE CONCRETE HOUSEKEEPING PAD FOR CONDENSING UNIT AS INDICATED BY MANUFACTURER RECOMMENDATIONS.
- COORDINATE EQUIPMENT POWER CONNECTION REQUIREMENTS AND ELECTRICAL CHARACTERISTICS WITH ELECTRICAL DRAWINGS AND CONNECTION REQUIREMENTS. COORDINATE VARIATION IN ELECTRICAL CHARACTERISTICS FROM SCHEDULED VALUES. CHANGES TO ELECTRICAL CHARACTERISTICS (E.G. VOLTAGE, AMPS, HORSEPOWER, ETC.) SHALL BE SUBJECT TO APPROVAL. BEAR THE TOTAL EXPENSE FOR REQUIRED REVISION TO THE ELECTRICAL SCOPE OF WORK CAUSED BY VARIATION FROM THE SCHEDULED REQUIREMENTS.
- EQUIPMENT SHORT CIRCUIT CURRENT RATINGS (SCCR) SHALL BE NOT LESS THAN THE INTERRUPTING RATING OF THE BRANCH CIRCUIT OVER CURRENT PROTECTIVE DEVICE SUPPLYING POWER TO THE EQUIPMENT. REFER TO ELECTRICAL SCHEDULES FOR BRANCH CIRCUIT OVER CURRENT DEVICE INTERRUPTING RATINGS.
- COORDINATE THE LOCATION OF WORK TO PROVIDE CLEARANCES WITH EXISTING LIGHTING FIXTURES AND OTHER CEILING MOUNTED DEVICES AS REQUIRED TO ALLOW FOR REMOVAL AND MAINTENANCE ACCESS.
- PROVIDE SUPPORTS AND SEISMIC RESTRAINTS FOR PIPES, DUCTS, AND EQUIPMENT AS SPECIFIED, AS REQUIRED, AND AS SHOWN ON THE DRAWINGS. IF REQUIRED FOR INSTALLATION OF PIPES, DUCTS, AND EQUIPMENT, DESIGN AND PROVIDE ADDITIONAL STRUCTURAL MEMBERS BETWEEN COLUMNS, JOISTS, AND STRUCTURAL FRAME TO MEET SUPPORT AND SEISMIC RESTRAINT REACTIONS (FORCES, MOMENTS, DEFLECTIONS). STRUCTURAL MEMBERS AND ANCHORAGES SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. REFER TO STRUCTURAL DRAWINGS FOR DESIGN CRITERIA. SUBMIT STRUCTURAL MEMBER SHOP DRAWINGS AND CALCULATIONS FOR REVIEW. STRUCTURAL MEMBERS, BOLTS, AND WELDS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SHOWN ON THE STRUCTURAL DRAWINGS AND INDICATED IN THE SPECIFICATIONS. NO WELDING, BOLTING, OR OTHER MEANS OF ATTACHMENT TO THE STRUCTURAL MEMBERS SHALL BE MADE ON PORTIONS OF STRUCTURAL MEMBERS AT OR NEAR CONNECTIONS BETWEEN STRUCTURAL MEMBERS ON ANY ELEMENTS DESIGNATED IN THE SEISMIC LOAD RESISTING SYSTEMS UNLESS APPROVED BY THE STRUCTURAL ENGINEER. SUPPORTS SHALL NOT INDUCE TORSIONAL LOADS INTO SUPPORTING STRUCTURAL FRAMING.
- 10. DO NOT CORE DRILL OR DRILL THROUGH BEAMS, COLUMNS OR SHEAR WALLS.
- 11. PROVIDE PIPE SLEEVES AND PENETRATION SEALS AS REQUIRED FOR THE INSTALLATION OF PIPING SYSTEMS. REFER TO SPECIFICATIONS FOR REQUIREMENTS.
- 12. COORDINATE THE LAYOUT OF EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES SO THAT IT FITS INTO THE SPACE ALLOTTED. PROVIDE SERVICE ACCESS AND CLEARANCES AS INDICATED ON DRAWINGS, AS REQUIRED BY CODES, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE INSTALLATION, REMOVAL, ENTRY, SERVICING, AND MAINTENANCE OF EQUIPMENT. PRIOR TO INSTALLATION, COORDINATE LAYOUT OF EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES WITH ALL OTHER TRADES TO AVOID BLOCKING SERVICE OR REPLACEMENT ACCESS FOR NEW AND EXISTING EQUIPMENT AND EQUIPMENT INSTALLED BY OTHERS
- 13. DRAWINGS ARE DIAGRAMMATIC AND SHOW APPROXIMATE LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES. DRAWINGS DO NOT SHOW REQUIRED TRANSITIONS, OFFSETS, FITTINGS, AND DEVICES. REFER TO DETAILS, DIAGRAMS, AND SPECIFICATIONS FOR REQUIRED SYSTEM APPURTENANCES, CONTROL DEVICES, ETC. INSTAL DEVICES IN ACCORDANCE WITH DEVICE MANUFACTURER RECOMMENDATIONS. CAREFULLY INVESTIGATE ELEMENTS OF CONSTRUCTION THAT COULD AFFECT THE WORK TO BE PERFORMED AND ARRANGE NEW WORK ACCORDINGLY. PREPARE COORDINATION DRAWINGS FOR NEW WORK, WHICH ARE COORDINATED WITH THE APPROVED AND INSTALLED WORK OF OTHER TRADES. PROVIDE REQUIRED OFFSETS, FITTINGS, TRANSITIONS, SUPPORTS AND OTHER APPURTENANCES AS REQUIRED. BEAR THE TOTAL EXPENSE OF RE-WORK THAT IS CAUSED BY FAILURE TO COORDINATE.
- PROVIDE MAXIMUM HEADROOM AND CLEARANCE BELOW DUCTWORK, PIPING AND EQUIPMENT AND ASSOCIATED SUPPORTS AND RESTRAINTS. UNLESS OTHERWISE INDICATED, INSTALL TIGHT TO STRUCTURAL SYSTEMS ABOVE. WHERE WALL MOUNTED, INSTALL AS CLOSE TO WALL AS POSSIBLE. PROVIDE ADDITIONAL FITTINGS AND OFFSETS AS REQUIRED.
- 15. REFER TO EQUIPMENT SCHEDULES FOR DESIGN CAPACITIES. SCHEDULED VALUES SHALL BE CONSIDERED DESIGN CAPACITIES. PROVIDE EQUIPMENT WHICH MEETS OR EXCEEDS THE SCHEDULED VALUES. MARK THE CONTRACT DRAWING EQUIPMENT SCHEDULES TO INDICATE THE MANUFACTURER, MODEL AND CAPACITY OF THE ACTUAL APPROVED EQUIPMENT PROVIDED AND SUBMIT THIS INFORMATION WITH RECORD DRAWINGS AS PART OF PROJECT CLOSEOUT.
- 16.  $\,\,\,\,$  TO ENHANCE THE CLARITY OF PLAN DRAWINGS, AND WHERE NOT NECESSARY TO DESCRIBE THE REQUIRED SIZE, INDIVIDUAL SEGMENTS OF DUCT AND PIPE BETWEEN CONNECTIONS MAY BE SHOWN WITHOUT A SIZE INDICATED. WHERE SIZE IS NOT SHOWN ON PLANS, THAT SEGMENT SHALL BE THE SAME SIZE AS THE NEXT UPSTREAM SEGMENT WITH A SIZE
- 17. PROVIDE CONTROL WIRING FOR ALL CONTROL DEVICES ON VRF SYSTEM. ROUTE CONTROL WIRING IN SURFACE METAL RACEWAY PER DIVISION 26 SPECIFICATIONS.
- PROVIDE DECORATIVE COVER FOR ALL EXPOSED REFRIGERANT AND CONDENSATE PIPING AND INSULATION. PROVIDE PAINTABLE METAL COVER OR PLASTIC COVER. PLASTIC SHALL BE COLOR MATCHED WITH EXISTING PAINT. ON METAL COVER, PROVIDE TWO COATS OF PAINT TO MATCH EXISTING.

DRAWING LIST SHEET TITLE MO.1 MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES GROUND FLOOR HVAC PLAN FIRST FLOOR HVAC PLAN MECHANICAL SCHEDULES M7.1 MECHANICAL CONTROL

REVISION /1\ADDENDUM 1 | 11/10/23

DE



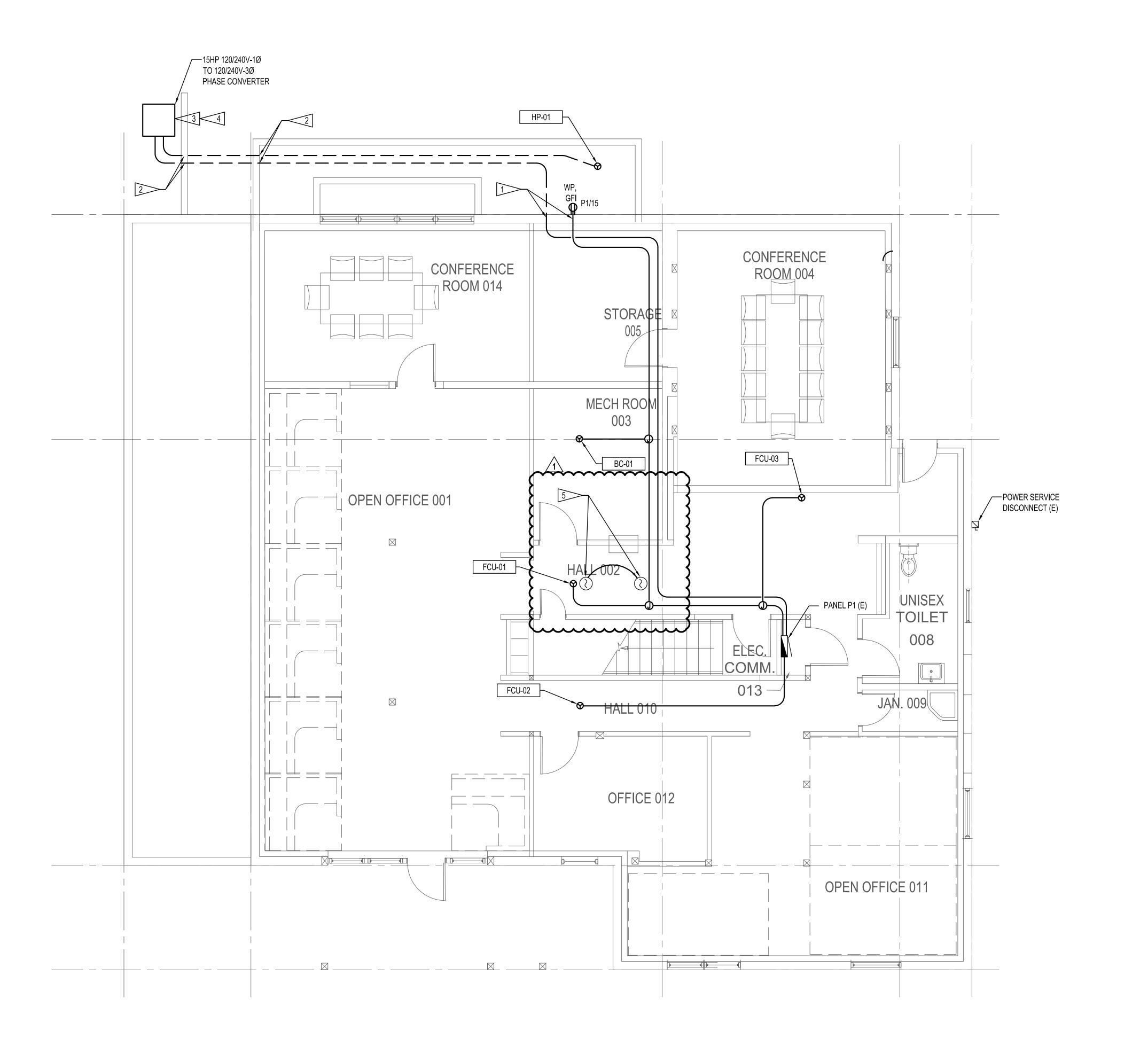
11/01/2023 NONE

ENGR DRWN CHKD NRB **I** APPR NRB 23018

SCALE

M-0.1

SHEET 1 OF 5



ELECTRICAL GROUND FLOOR PLAN SCALE: 1/4" = 1'-0"

**GENERAL NOTES** 

1. CIRCUITS SHALL UTILIZE SURFACE METAL RACEWAY TO FAN COIL UNITS AND BRANCH CONTROLLERS. FIELD VERIFY LOCATION OF BEAMS. PROVIDE ALL REQUIRED FITTINGS TO ROUTE AROUND BEAMS.

> HEAT PUMP SHALL UTILIZE EMT FIELD PAINTED TO MATCH WALLS/CEILINGS. CORE DRILL EXISTING EXTERIOR WALL. EXTERIOR CONDUIT SHALL BE PVC SCHEDULE 40.

## SHEET NOTES

1 CORE DRILL EXISTING EXTERIOR WALL FOR CONDUIT PENETRATIONS. SEAL CONDUIT PENETRAION.

2 CORE DRILL UNDER EXISTING WALKWAY AND ROUTE CONDUITS UNDER WALKWAY. 

PROVIDE 4" THICK CONCRETE HOUSE KEEPING PAD. PAD SHALL EXTEND 4" 1 BEYOND EQUIPMENT FOOTPRINT. PROVIDE  $\cdot$ EXCAVATION SO PAD IS FLAT AND LEVEL. 

4 PROVIDE UNISTRUT SUPPORT FOR DISCONNECT SWITCH.

5 RELOCATE EXISTING SMOKE DETECTOR TO ALLOW INSTALLATION OF MECHANICAL UNIT. CENTER DETECTOR BETWEEN LUMINAIRE AND SOFFIT. CUT AND PATCH/PAINT EXISTING CEILING. PROVIDE CONCEALED CONDUIT AND FIRE ALARM WIRING TO MATCH EXISTING. CONTRACTOR SHALL SUBMIT, PAY AND OBTAIN FIRE ALARM

REVISION

1 ADDENDUM 1 11/10/23

11/01/2023 AS-NOTED

> 23018 E3.1

**BID DRAWING SET** SHEET - OF 5

### THE FOLLOWING CLARIFICATIONS ARE ISSUED IN RESPONSE TO BIDDERS QUESTIONS AND ISSUES DISCUSSED AT PRE-BID

- Q: What kind of covers are allowed for piping and insulation?
   A: Drawing note has been added to allow metal or plastic covers. Metal must be paintable and painted to match existing.
- 2. Q: Are As-Built drawings and Hazardous Materials Building Survey Report available? A: As-Built Drawings and Hazardous Materials Building Survey report attached.
- 3. Q: What type of housekeeping pad is required for condensing unit. A: Provide concrete per specifications. Drawing note clarified.
- 4. Q: Can HP-01 disconnect switch be revised from 100 Amp to 60 Amp. A: No, disconnect switch shall remain as 100 Amps per drawing E5.1.