

GENERAL NOTES

- ALL WORK SHALL BE IN CONFORMANCE WITH APPLICABLE CODES AND LOCAL BUILDING REQUIREMENTS, INCLUDING BUT NOT LIMITED TO THE 2015 EDITION OF THE IBC AND THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE.
- ALL APPLICABLE CODES, ORDINANCES AND MINIMUM STRUCTURAL REQUIREMENTS TAKE PRECEDENCE OVER DRAWINGS AND NOTES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS BEFORE COMMENCING WITH WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT PRIOR TO STARTING ANY CONSTRUCTION OF THE AREA CONCERNED. DO NOT SCALE DRAWINGS.
- DIMENSIONS ARE TO FACE OF CMU, CONCRETE, CLT OR FACE OF STUD, U.N.O.
- PARTITIONS AND WALLS NOT OTHERWISE DIMENSIONED SHALL BE LOCATED FLUSH WITH REFERENCE TO ADJACENT WALL FACE.
- WHERE ON ANY OF THE DRAWINGS OR DETAILS, A PORTION OF THE WORK IS SHOWN AND/OR DETAILED, AND THE REMAINDER IS INDICATED IN OUTLINE, THE PARTS SHOWN AND/OR DETAILED SHALL APPLY TO ALL OTHER LIKE PORTIONS OF THE WORK.
- PRIOR TO AND DURING THE WORK, CONTRACTOR SHALL VERIFY CONDITIONS; ANY CONDITIONS INCONSISTENT OR PROBLEMATIC WITH REGARD TO THE INTENT OF THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT PRIOR TO STARTING OR CONTINUING WORK IN THE AREA CONCERNED.
- PROVIDE SUFFICIENT STRUCTURE IN WALLS FOR SUPPORTING COUNTERS, CABINETS ACCESSORIES, ETC., AS REQUIRED.
- VERTICAL DIMENSIONS ARE TYPICALLY REFERENCED FROM STRUCTURAL SLAB U.N.O.
- CONTRACTOR TO ASSUME ALL MATERIALS AS NEW UNLESS NOTED AS "EXISTING".
- ALL WOOD IN CONTACT WITH CONCRETE TO BE P.T.
- FLASH OPENINGS WITH MIN. 26 GA. GALV. STL. TO ACCEPTABLE INDUSTRY STANDARDS. ALL FLASHING LAP SEAMS TO BE 12" MIN. W/ 2 BEADS OF SEALANT.
- CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES THROUGHOUT SITE PRIOR TO EXCAVATION.

CODE COMPLIANCE

2015 INTERNATIONAL BUILDING CODE
 2015 INTERNATIONAL MECHANICAL CODE
 2015 INTERNATIONAL ENERGY CONSERVATION CODE
 2015 WASHINGTON STATE ENERGY CODE
 2015 UNIFORM PLUMBING CODE
 2014 NATIONAL ELECTRICAL CODE

CODE COMPLIANCE

OCCUPANCY CLASSIFICATION:
 UTILITY AND MISCELLANEOUS - GROUP U
 TYPE OF CONSTRUCTION:
 TYPE V-B - NON-SPRINKLERED
 CLIMATE ZONE:
 4C - (MARINE)

BUILDING PERMIT

PROPERTY NOTES

PROPERTY ADDRESS:
 9703 JUANITA DR. N.E.
 KIRKLAND, WA 98034

PROPERTY OWNER

PROPERTY OWNER:
 CITY OF KIRKLAND PARKS AND
 COMMUNITY SERVICES

CONTACT/ PROJECT COORDINATOR:
 ANNEKE DAVIS
 123 5TH AVE
 KIRKLAND, WA 98033
 T: 425-587-3828

PROPOSED WORK

CONSTRUCTION OF NON CONDITIONED, NATURALLY VENTILATED BATHHOUSE STRUCTURE TO REPLACE EXISTING NON CONDITIONED, NATURALLY VENTILATED BATHHOUSE THAT WILL BE DEMOLISHED IN IT'S ENTIRETY AS PART OF THE WORK. PROJECT INCLUDES CONSTRUCTION OF PICNIC PAVILIONS, ASSOCIATED GRADING AND HARDSCAPE, AND CONSTRUCTION OF A NEW PLAY AREA FOR OWNER FURNISHED PLAY EQUIPMENT.

PROJECT TEAM

ARCHITECT/CONTACT: PATANOSTUDIO ARCHITECTURE, LLC
 ERIK BARR, AIA
 603 STEWART ST. SUITE #500
 SEATTLE, WA 98101
 T: 206-734-3870

CIVIL: MIG / SvR
 LOLLY KUNKLER
 615 Second Avenue, #280
 Seattle, WA 98104
 T: 206-223-0326

LANDSCAPE: MIG / SvR
 BRICE MARYMAN
 615 Second Avenue, #280
 Seattle, WA 98104
 T: 206-223-0326

STRUCTURAL: QUANTUM CONSULTING ENGINEERS, LLC
 JACK WIGGINS
 1511 3RD AVE. #323
 SEATTLE, WA 98101
 T: 206-957-3900

MECHANICAL & PLUMBING: RAINBOW CONSULTING
 STEVEN RAINBOW
 336 NW 50TH STREET
 SEATTLE, WA 98107
 T: 206-235-6002

ELECTRICAL: COFFMAN ENGINEERS
 BRIAN ROSSI
 1601 5TH AVE. #900
 SEATTLE, WA 98101
 T: 206-623-0717

ENVIRONMENTAL/ SHORELINE: SHANNON & WILSON
 AMY SUMME
 400 NORTH 34TH STREET
 SUITE 100
 SEATTLE, WA 98103
 T: 206-632-8020

DRAWING INDEX

GENERAL	
A0.0	COVER SHEET
CIVIL & LANDSCAPE - NOT INCLUDED.	
ARCHITECTURAL	
A0.3	DOOR & WINDOW SCHEDULE
AD1.0	DEMOLITION SITE PLAN
A1.0	SITE PLAN
A2.0	OVERALL BATHHOUSE FLOOR PLAN
A2.1	ENLARGED FLOOR PLAN
A2.2	ENLARGED FLOOR PLAN
A2.3	OVERALL ROOF PLAN
A2.4	TYPICAL PAVILION FLOOR PLAN, ROOF PLAN
A3.0	BATHHOUSE ELEVATIONS
A3.1	BATHHOUSE ELEVATIONS
A3.2	PAVILION ELEVATIONS
A4.0	OVERALL SECTION
A4.1	ENLARGED SECTION
A4.2	ENLARGED SECTION
A4.3	ENLARGED SECTION
A4.4	ENLARGED SECTION
A4.5	ENLARGED SECTION
STRUCTURAL	
S2.4	FOUNDATION & ROOF PLANS - PAVILION (NOT CURRENT)
S3.0	DETAILS
S3.1	DETAILS
S3.2	DETAILS
S4.1	DETAILS
S4.2	DETAILS
MECHANICAL	
M0.1	CODE COMPLIANCE, NOTES
M0.2	LEGEND, ABBREVIATIONS
M1.1	MECHANICAL FLOOR PLAN
M2.1	MECHANICAL DETAILS
PLUMBING	
P0.1	LEGEND, ABBREVIATIONS, NOTES
P0.2	PLUMBING SCHEDULES
P1.0	PLUMBING FOUNDATION PLAN
P1.1	WASTE & VENT NORTH PLAN
P1.2	WASTE & VENT SOUTH PLAN
P1.3	DOMESTIC WATER NORTH PLAN
P1.4	DOMESTIC WATER SOUTH PLAN
P1.5	PLUMBING ROOF PLAN
P2.1	PLUMBING DETAILS
P2.2	PLUMBING DETAILS
ELECTRICAL	
E0.1	COVER SHEET
E0.2	GENERAL NOTES
E0.3	LUMINAIRE SCHEDULE
E1.1	SITE PLAN - DEMO
E1.2	SITE PLAN - NEW
E2.1	BATHHOUSE LIGHTING PLAN
E3.1	BATHHOUSE POWER & SYSTEMS
E4.1	PAVILION LIGHTING & POWER
E5.1	ONE-LINE DIAGRAM
E6.1	PANEL SCHEDULE

SYMBOLS

	NEW WALL, SEE WALL TYPES FOR MORE INFO.		WALL TYPE
	CMU WALL		DOOR TAG
	PLYWOOD		WINDOW TAG
	CONCRETE		SMOKE DETECTOR
	SOLID WOOD BLOCKING		EXHAUST FAN
	WOOD FRAMING		EXIT SIGN
	ABOVE, BELOW OR HIDDEN		FIRE EXTINGUISHER CABINET
	ROOM NAME & NUMBER		
	BATT INSULATION		
	RIGID INSULATION		

ABBREVIATIONS LIST (ABBREV. NOT LIMITED TO THIS LIST)

A.B. ANCHOR BOLT	CLR. CLEAR	(E) OR EXIST.	EXISTING	GA. GAUGE	MAX. MAXIMUM	PLYWD. PLYWOOD	S.D. SMOKE DETECTOR	U.N.O. UNLESS NOTED OTHERWISE
ABV. ABOVE	CNTR. CENTER	E.W. EACH WAY		GALV. GALVANIZED	MECH. MECHANICAL	PL PLATE	S.S. STAINLESS STEEL	V. VERTICAL
ADJ. ADJUSTABLE/ADJACENT	CONST. CONSTRUCTION	E.A. EACH		GCMU GLAZED CONCRETE MASONRY UNIT	MIN. MINIMUM	P.LAM PLASTIC LAMINATE	SIM. SIMILAR	V.F. VERIFY
A.F.F. ABOVE FINISH FLOOR	CONT. CONTINUOUS	ELEC. ELECTRICAL		GL GLASS	MISC. MISCELLANEOUS	PTD. PAINTED	SQ. SQUARE	V.I.F. VERIFY IN FIELD
	CTR. CENTER	EQ. EQUAL		G.W.B. GYPSUM WALL BOARD	MAT'L MATERIAL	P.T. PRESSURE TREATED	STD. STANDARD	
BLDG. BUILDING	CLT. CROSS LAMINATED TIMBER	EXP. EXPANSION/EXPOSED			MTL. METAL	R. RADIUS	STL. STEEL	WD. WOOD
BLK'G BLOCKING	CMU CONCRETE MASONRY UNIT	EXT. EXTERIOR			M.O. MASONRY OPENING	RCP REFLECTED CEILING PLAN	STRUCT. STRUCTURAL	W/ WITH
BOT. BOTTOM		FD. FLOOR DRAIN			MOD. BT. MODIFIED BITUMEN	REQD. REQUIRED	T.O. TOP OF	W/I WITHIN
BTWN. BETWEEN	D. DRAIN	F.E.C. FIRE EXTINGUISHER CABINET				R.O. ROUGH OPENING	T.O.C. TOP OF CONCRETE	W/O WITHOUT
BYD. BEYOND	DIA. DIAMETER	F.M.C. FLOOR MATERIAL CHANGE					T.O.M. TOP OF MASONRY	W.C. WATER CLOSET
	D.G. DECOMPOSED	FOIC FURNISHED BY OWNER, INSTALLED BY CONTRACTOR					T.O.S. TOP OF SLAB	W.GL. WIRE GLASS
CL CENTERLINE	DR. DOOR	FOIO FURNISHED BY OWNER, INSTALLED BY OWNER					T.O.S.F. TOP OF SUBFLOOR	W.M. WIRE MESH
CLG. CEILING	DWG. DRAWING	INT. INTERNATIONAL WILDLAND URBAN INTERFACE CODE					TYP. TYPICAL	W.P. WATERPROOF
CONC. CONCRETE	DWGS. DRAWINGS	I.W.U.I.C. INTERNATIONAL WILDLAND URBAN INTERFACE CODE						W.W.M. WELDED WIRE MESH
C.I. CAST IRON	D.S. DOWNSPOUT	JT. JOINT						WGWB WATER RESIST. GYPSUM WALL BOARD
C. CENTER LINE	DTL. DETAIL							
C.O. CLEAN OUT	DIM. DIMENSION							
C.W. COLD WATER	DN. DOWN							
CAB. CABINET	DWR. DRAWER							

60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANOSTUDIO ARCHITECTURE
 603 STEWART ST. SUITE 500
 SEATTLE, WA 98101

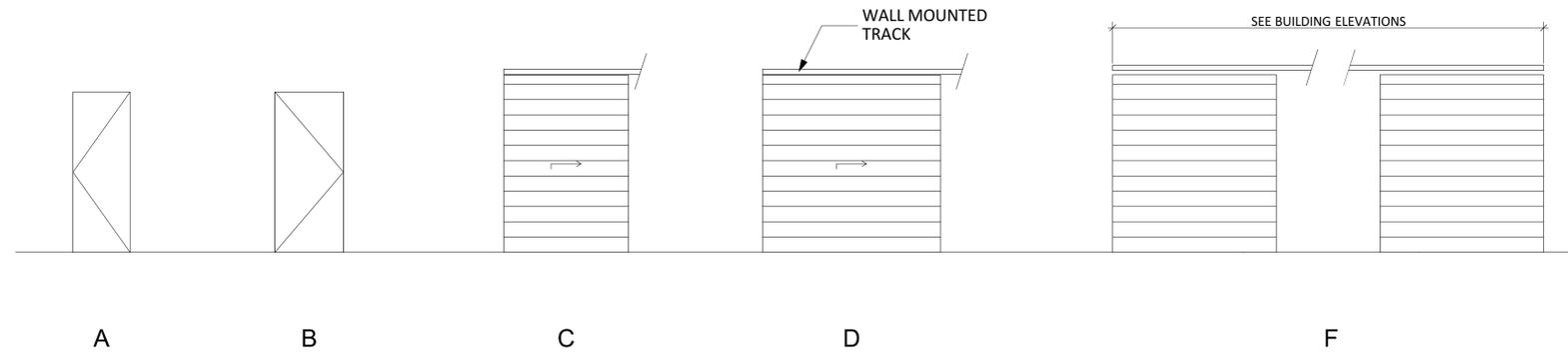
**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

FILE	ENGR.	REVIEW	SCALE	DATE
			SHOWN	3/26/2018
NO.	REVISION	BY	REVIEW	DATE

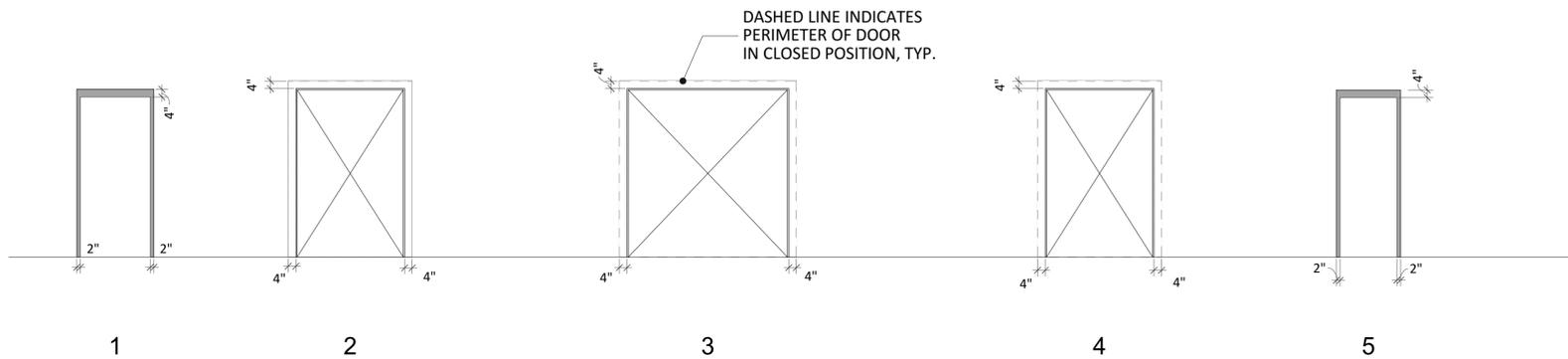


CITY OF KIRKLAND
 PUBLIC WORKS DEPARTMENT
 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
 CPK 0119 100
**JUANITA BEACH PARK
 BATHHOUSE REPLACEMENT**
 COVER SHEET

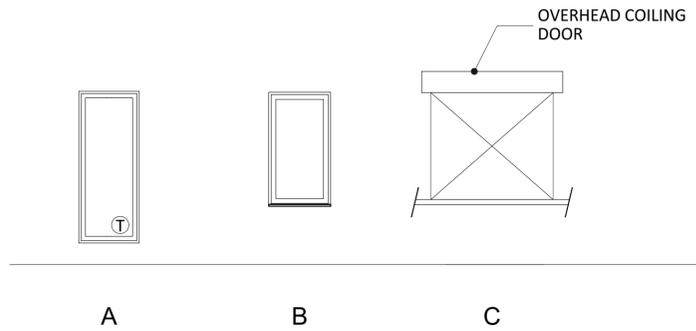
SHEET
A0.0



3 DOOR TYPES
SCALE: 1" = 1'-0"



7 FRAME TYPES
SCALE: 1" = 1'-0"



8 WINDOW TYPES
SCALE: 1" = 1'-0"

WINDOW SCHEDULE					
ID	TYPE	SIZE		MATERIAL	REMARKS
		WIDTH	HEIGHT		
1	A	2'-7 3/4"	6'-7 1/2"	HM	
2	A	2'-7 3/4"	6'-7 1/2"	HM	
3	B	2'-8"	4'-11 1/2"	HM	
4	C	5'-4 1/4"	4'-8"	MTL	OPENING W/ SHUTTER
5	C	3'-4 1/4"	4'-8"	MTL	OPENING W/ SHUTTER

DOOR SCHEDULE												
ID	DOOR				FRAME		TRACK LENGTH	DETAIL		HDWR. SET	FIRE	REMARKS
	TYPE	MATERIAL	W X H	LEAF THICKNESS	TYPE	MATERIAL		HEAD	JAMB			
A102	A	HM	3'x7'	0'-1 3/4"	1	HM	-			1	Unrated	
A103	B	HM	3'x7'	0'-1 3/4"	1	HM	-			1	Unrated	
A104	A	HM	3'x7'	0'-1 3/4"	1	HM	-			1	Unrated	
A105	C	LWD	5'-4"x7'-8"	0'-1 3/4"	4	PTD				3	Unrated	1
A107A	C	LWD	5'-4"x7'-8"	0'-1 3/4"	2	PTD				4	Unrated	1
A107B	C	LWD	5'-4"x7'-8"	0'-1 3/4"	2	PTD				4	Unrated	1
A108	A	HM	2'-6"x7'	0'-1 3/4"	5	HM	-			5	Unrated	
A109A	C	LWD	5'-4"x7'-8"	0'-1 3/4"	2	PTD				4	Unrated	1
A109B	C	LWD	5'-4"x7'-8"	0'-1 3/4"	2	PTD				4	Unrated	1
A110A	F	LWD	7'-8"x7'-8"	0'-1 3/4"	3	PTD				4	Unrated	1
A110B	D	LWD	7'-8"x7'-8"	0'-1 3/4"	3	PTD				4	Unrated	
A111	F	LWD	7'-8"x7'-8"	0'-1 3/4"	3	PTD				4	Unrated	
A112	A	HM	3'x7'	0'-1 3/4"	1	HM	-			1	Unrated	
A113	A	HM	3'x7'	0'-1 3/4"	1	HM	-			1	Unrated	

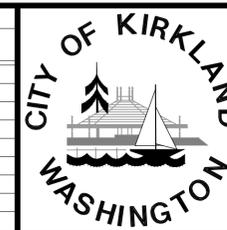
60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

**PRELIMINARY
NOT FOR
CONSTRUCTION**

FILE	ENGR.	REVIEW	SCALE	DATE
			SHOWN	3/26/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
DOOR & WINDOW SCHEDULE**

SHEET

A0.3

CALL BEFORE YOU DIG: 1-800-424-5555



SITE DEMOLITION NOTES

- DEMOLISH (3) PLAY AREA AND CURB. COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- DEMOLISH (E) PATH, COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- DEMOLISH (E) BATHHOUSE STRUCTURE IN IT'S ENTIRETY. NOTE SPECIAL REQUIREMENTS IDENTIFIED IN LANDSCAPE DRAWINGS. COORD. W/ CIVIL / LANDSCAPE DRAWINGS.
- (E) TREE TO REMAIN - PROTECT DURING DEMOLITION / CONSTRUCTION. SEE SPECIAL REQUIREMENTS FOR BUILDING DEMOLITION DETAILED IN CIVIL / LANDSCAPE DRAWINGS. COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- DEMOLISH (E) TRELLIS, COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- (E) TREE TO REMAIN - PROTECT DURING DEMOLITION / CONSTRUCTION. COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- DEMOLISH (E) HARDSCAPE ASSOCIATED W/ (E) BUILDING TO BE DEMOLISHED. COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- DEMOLISH (E) PICNIC TABLE AND CON. BASE. COORD. W/ CIVIL / LANDSCAPE DRAWINGS.
- (E) PATHWAY TO REMAIN, PROTECT DURING CONSTRUCTION
- DEMOLISH (E) TREE AND PLANTINGS - COORD. W/ CIVIL / LANDSCAPE DRAWINGS.
- REMOVE (E) PLAY EQUIPMENT, FURNISH TO OWNER.
- DEMOLISH (E) PARK BENCH. COORD W/ CIVIL / LANDSCAPE DRAWINGS.
- (E) PICNIC TABLE AND CONC. BASE TO REMAIN, PROTECT DURING CONSTRUCTION.
- CONSTRUCTION FENCING- COORD. W/ CIVIL / LANDSCAPE DRAWINGS
- PARK BENCH TO REMAIN, PROTECT DURING CONSTRUCTION

1 SITE DEMOLITION
SCALE: 1" = 20'

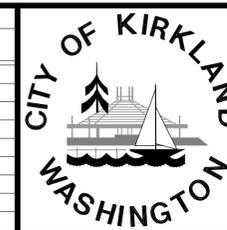
60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

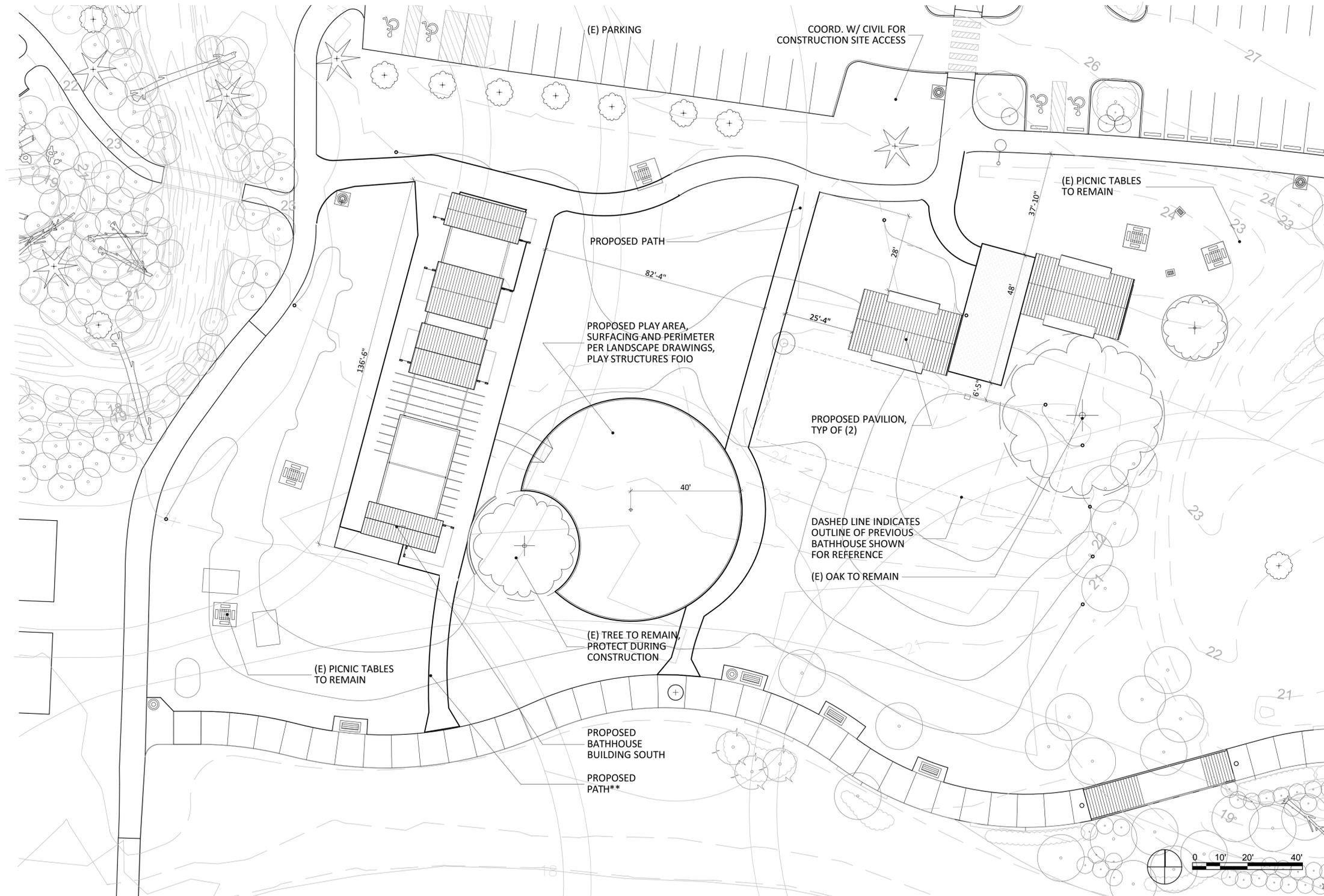
**PRELIMINARY
NOT FOR
CONSTRUCTION**

FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT**
DEMOLITION SITE PLAN

**SHEET
AD1.0**



1 SITE PLAN
SCALE: 1" = 20'

60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

**PRELIMINARY
NOT FOR
CONSTRUCTION**

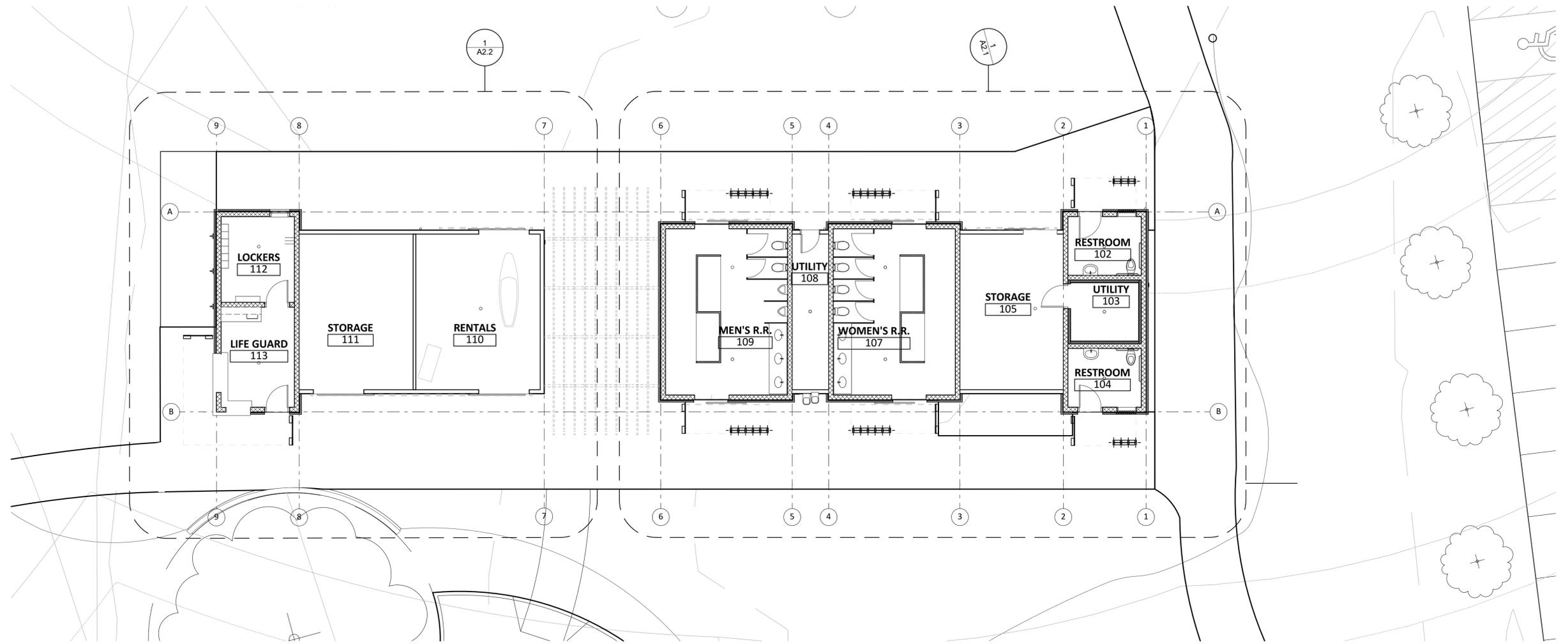
FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
SITE PLAN**

**SHEET
A1.0**

CALL BEFORE YOU DIG: 1-800-424-5555



1 BATHHOUSE - OVERALL FLOOR PLAN
SCALE: 1/8" = 1'-0"

60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

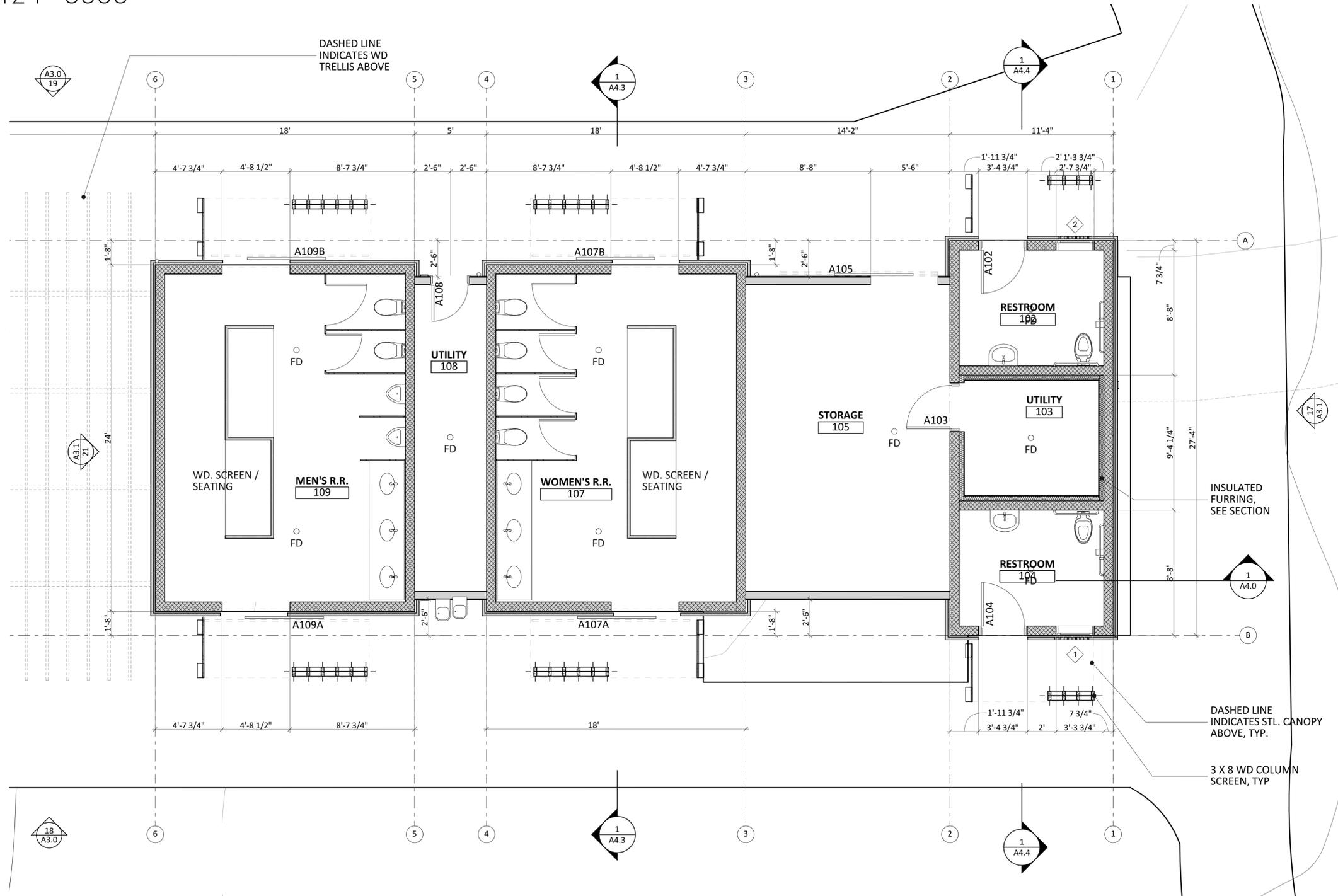
**PRELIMINARY
NOT FOR
CONSTRUCTION**

FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
OVERALL BATHHOUSE FLOOR PLAN**

SHEET
A2.0



1 ENLARGED FLOOR PLAN - NORTH
SCALE: 1/4" = 1'-0"

60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

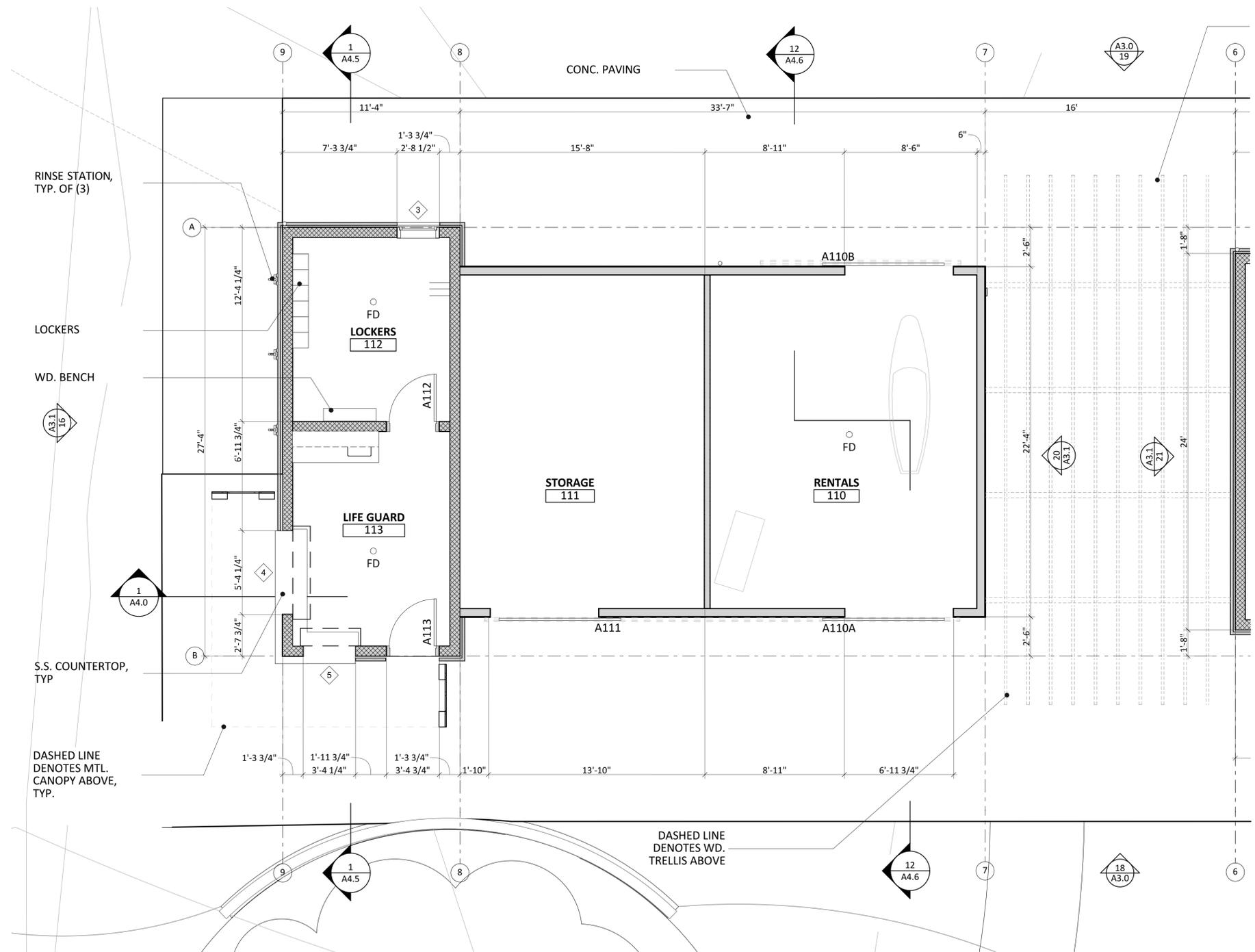
**PRELIMINARY
NOT FOR
CONSTRUCTION**

FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT**
ENLARGED FLOOR PLAN

**SHEET
A2.1**



1 ENLARGED FLOOR PLAN - SOUTH
SCALE: 1/4" = 1'-0"

60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

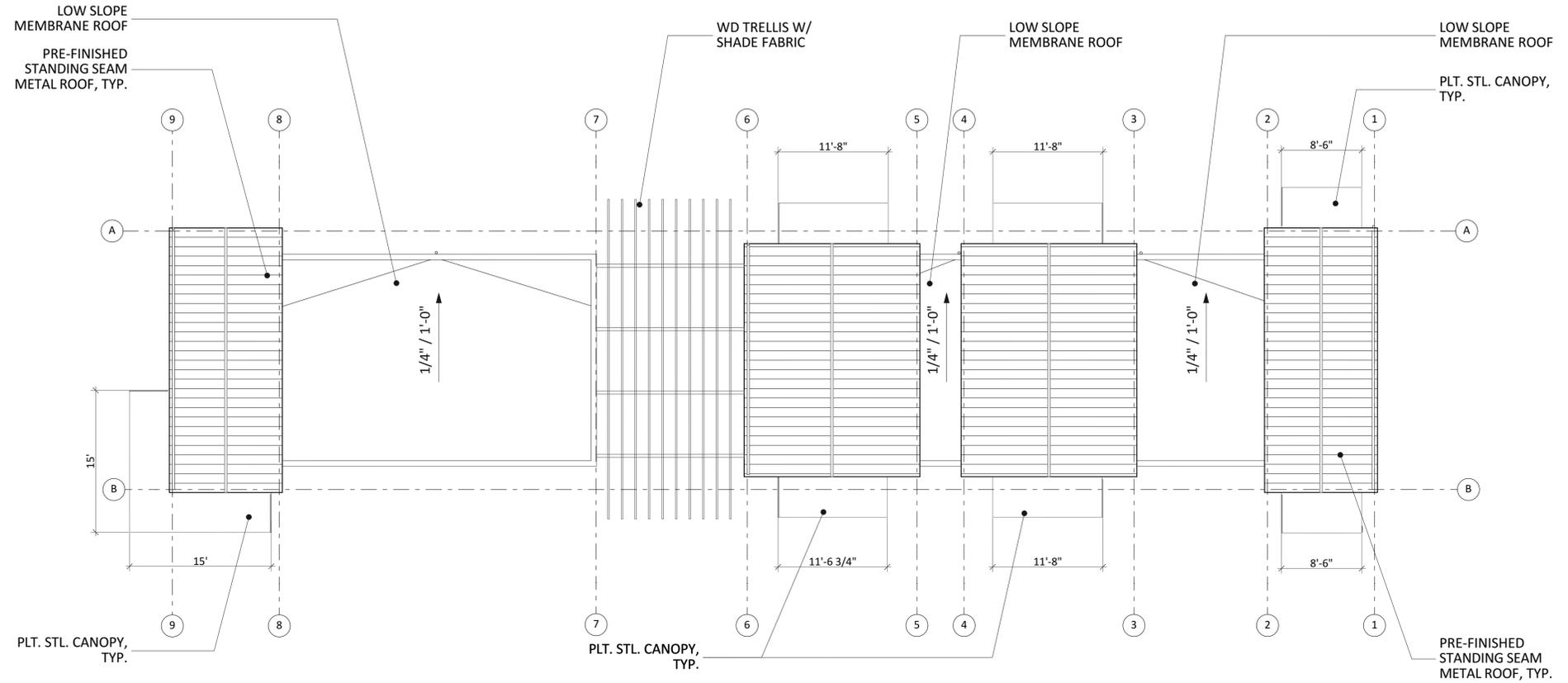
**PRELIMINARY
NOT FOR
CONSTRUCTION**

FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT**
ENLARGED FLOOR PLAN

**SHEET
A2.2**



1 OVERALL ROOF PLAN
SCALE: 1/8" = 1'-0"

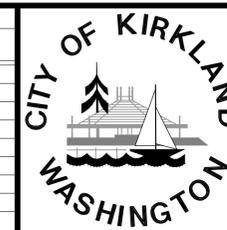
60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

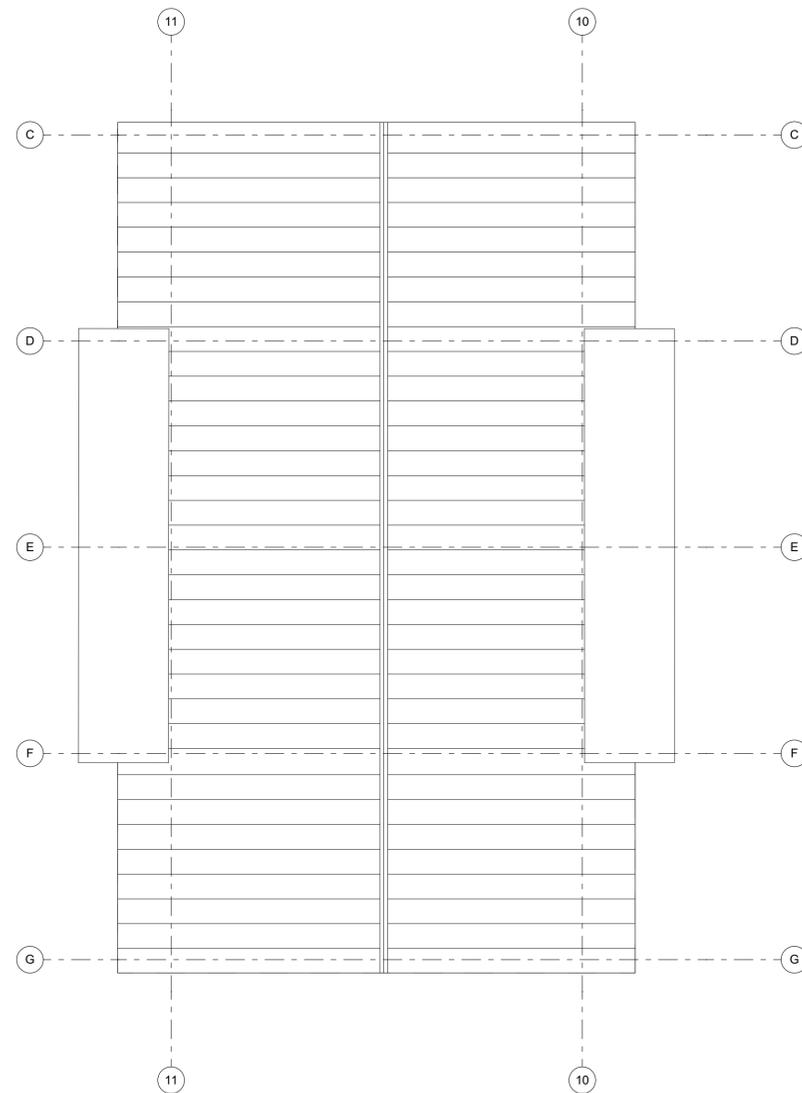
**PRELIMINARY
NOT FOR
CONSTRUCTION**

FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE

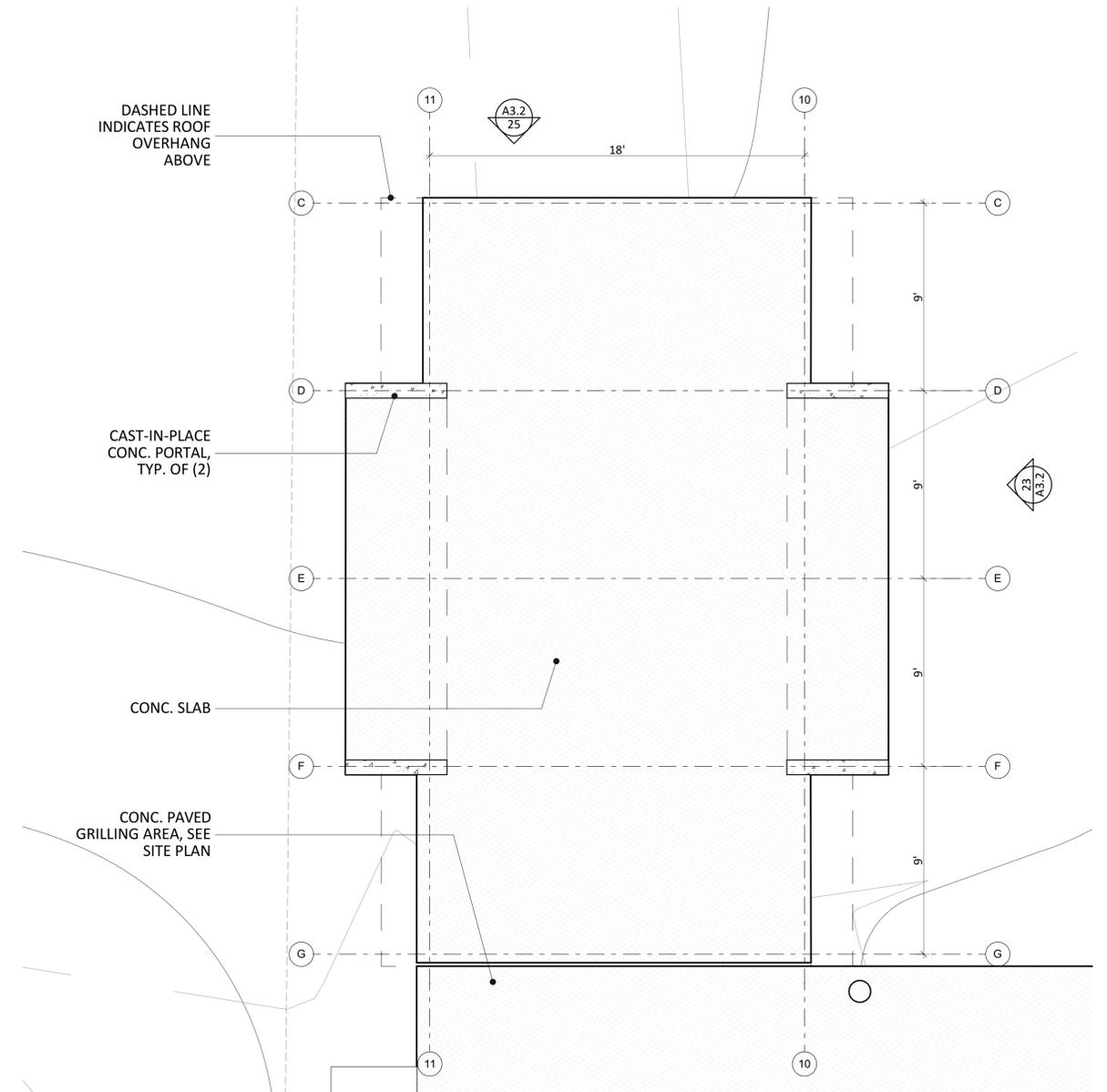


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
OVERALL ROOF PLAN**

**SHEET
A2.3**



12 PAVILION ROOF PLAN, TYP.
SCALE: 1/4" = 1'-0"



10 PAVILION FLOOR PLAN, TYP.
SCALE: 1/4" = 1'-0"

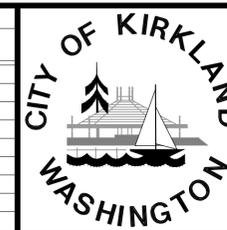
60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

**PRELIMINARY
NOT FOR
CONSTRUCTION**

FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE



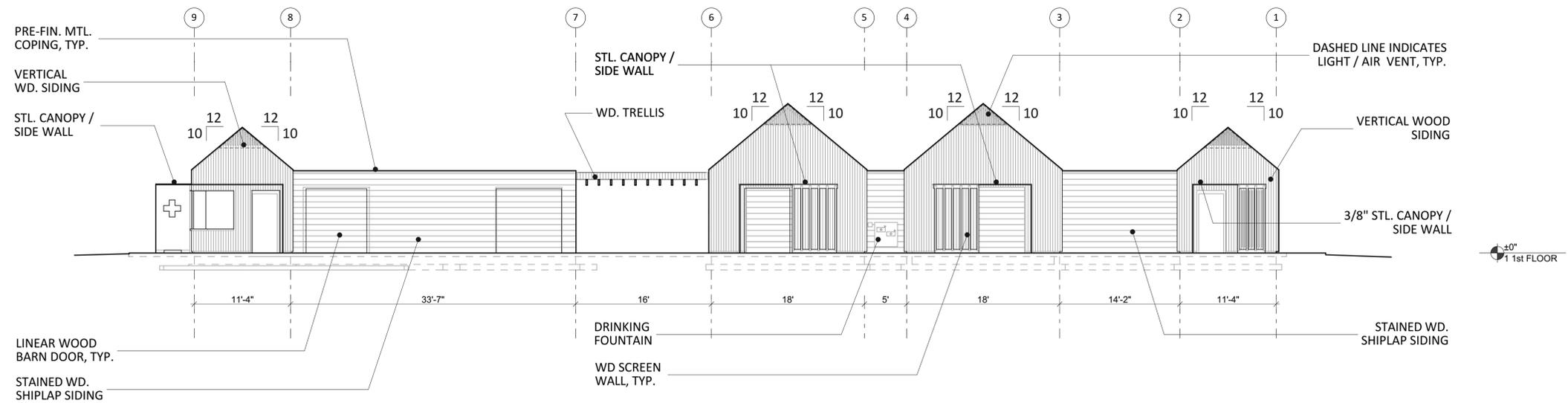
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT**
TYPICAL PAVILION FLOOR PLAN, ROOF

SHEET

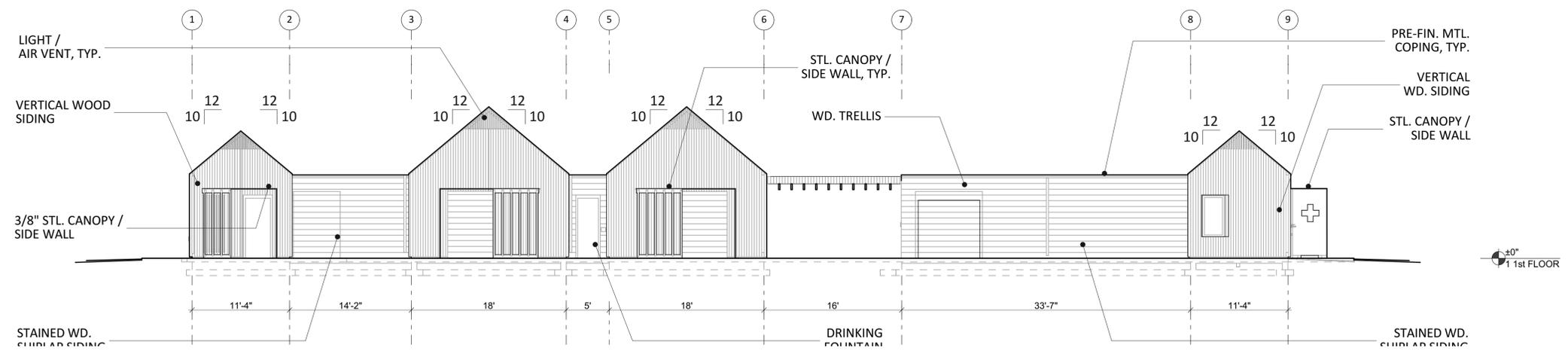
A2.4

PLAN

CALL BEFORE YOU DIG: 1-800-424-5555



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



2 WEST ELEVATION
SCALE: 1/8" = 1'-0"

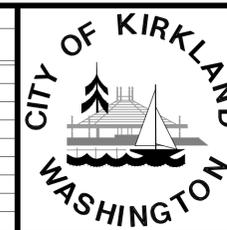
60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

**PRELIMINARY
NOT FOR
CONSTRUCTION**

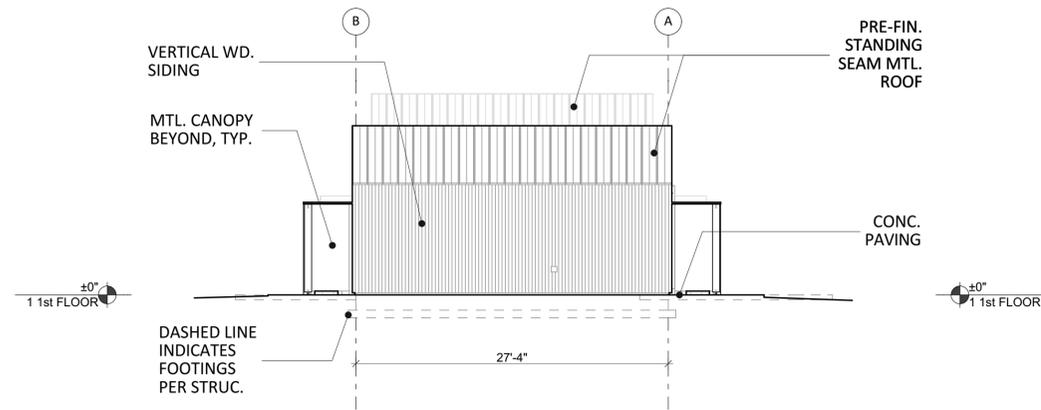
FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE



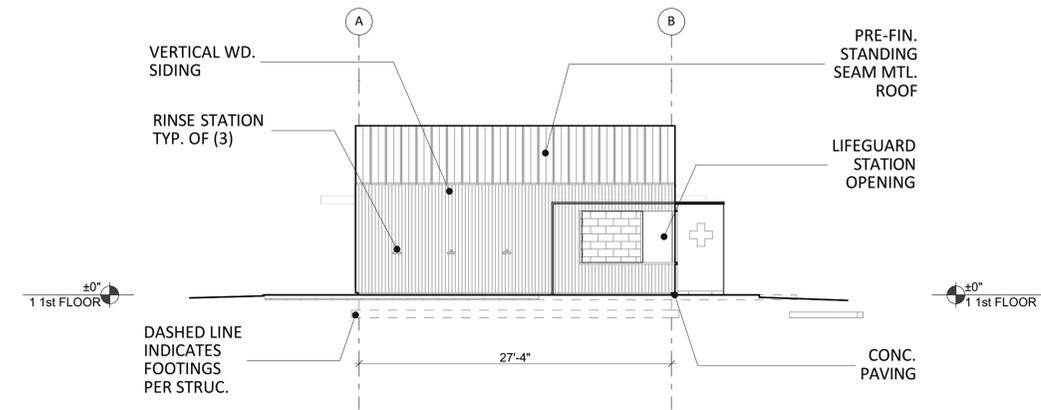
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
BATHHOUSE ELEVATIONS**

SHEET

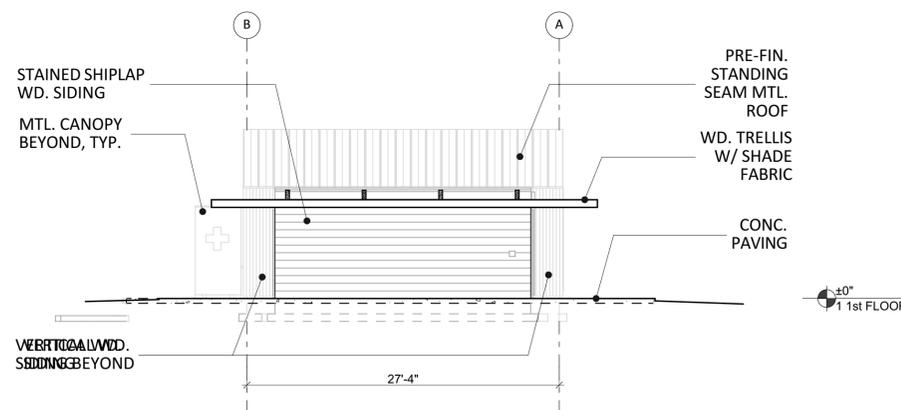
A3.0



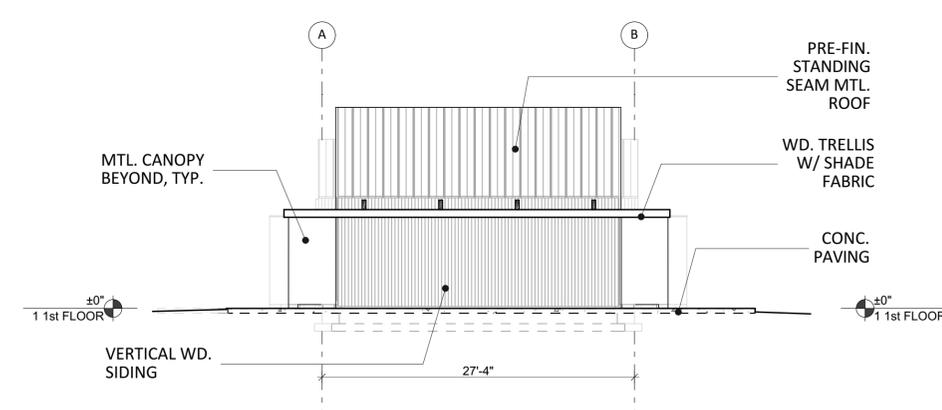
1 NORTH ELEVATION B
SCALE: 1/8" = 1'-0"



2 SOUTH ELEVATION A
SCALE: 1/8" = 1'-0"



3 NORTH ELEVATION B
SCALE: 1/8" = 1'-0"



4 SOUTH ELEVATION B
SCALE: 1/8" = 1'-0"

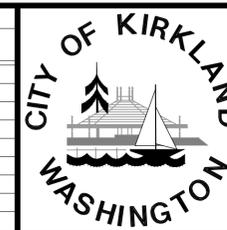
60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

PRELIMINARY
NOT FOR
CONSTRUCTION

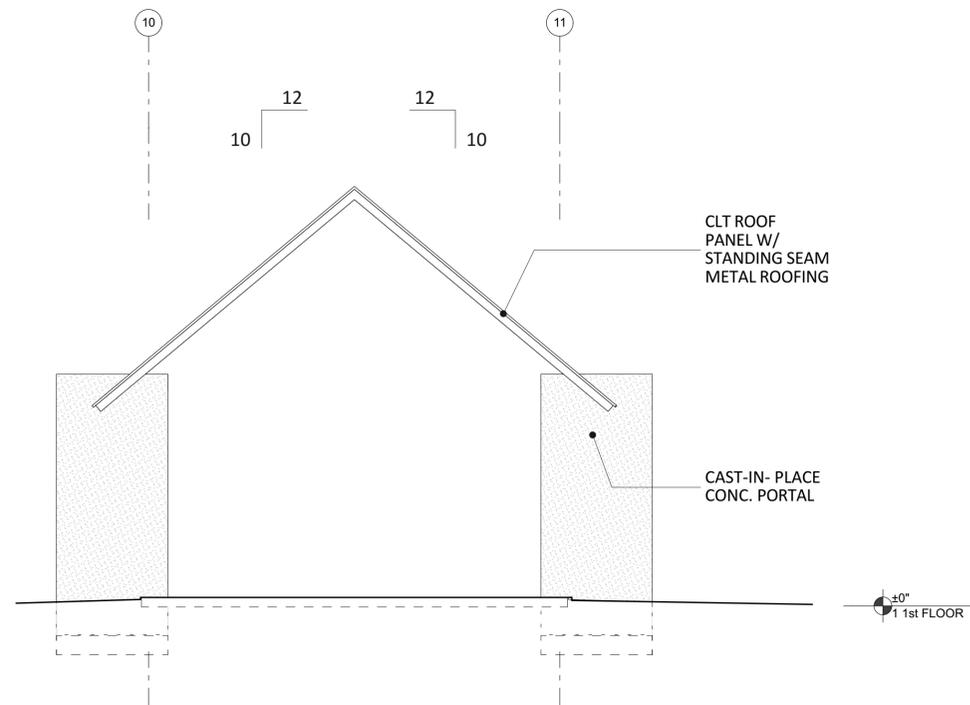
FILE	ENGR.	REVIEW	SCALE	DATE
			SHOWN	3/26/2018
NO.	REVISION	BY	REVIEW	DATE



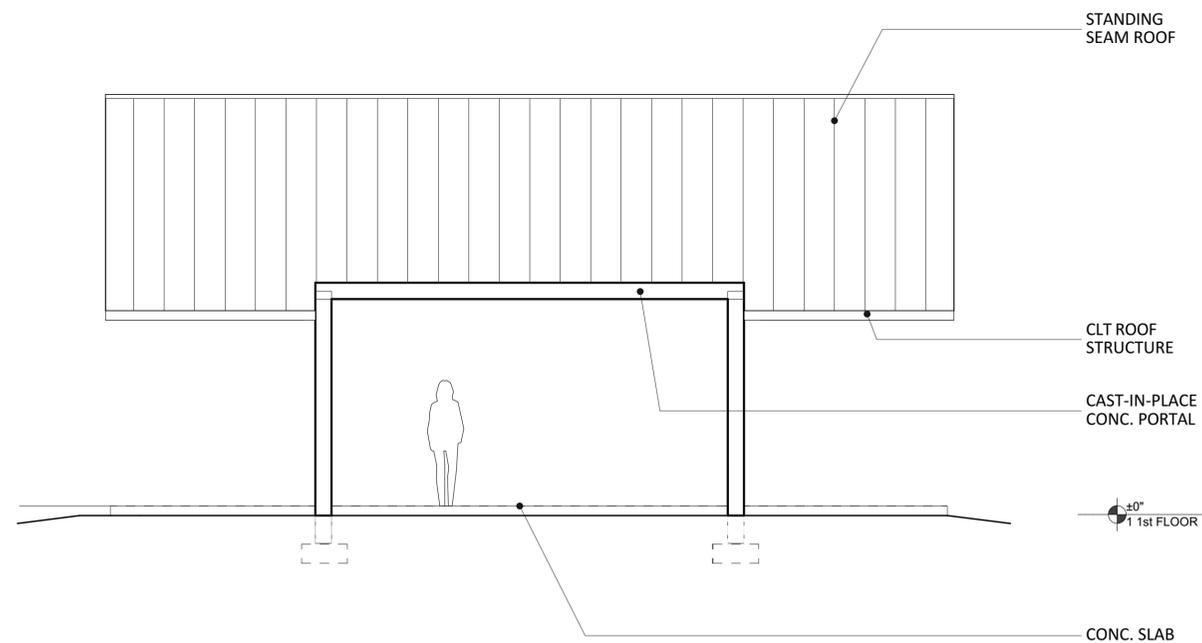
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
BATHHOUSE ELEVATIONS

SHEET

A3.1



1 WEST PAVILION ELEVATION
SCALE: 1/4" = 1'-0"



2 NORTH PAVILION ELEVATION
SCALE: 1/4" = 1'-0"

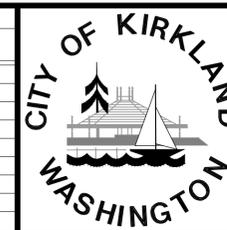
60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

PRELIMINARY
NOT FOR
CONSTRUCTION

FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE

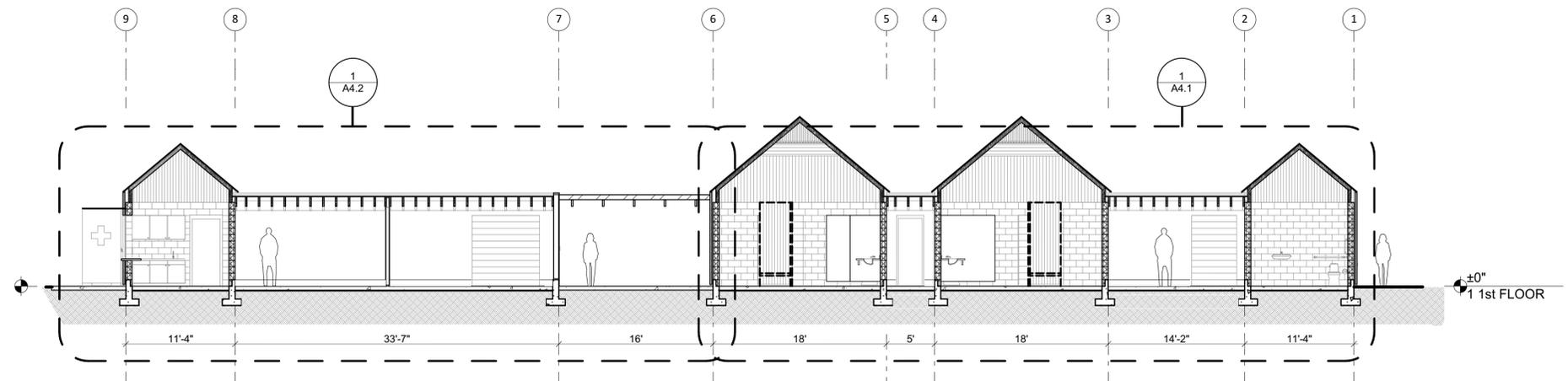


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
PAVILION ELEVATIONS

SHEET

A3.2

CALL BEFORE YOU DIG: 1-800-424-5555



1 SECTION N-2 LOOKING WEST
SCALE: 1/8" = 1'-0"

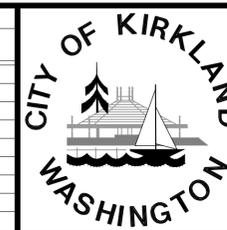
60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

PRELIMINARY
NOT FOR
CONSTRUCTION

FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE

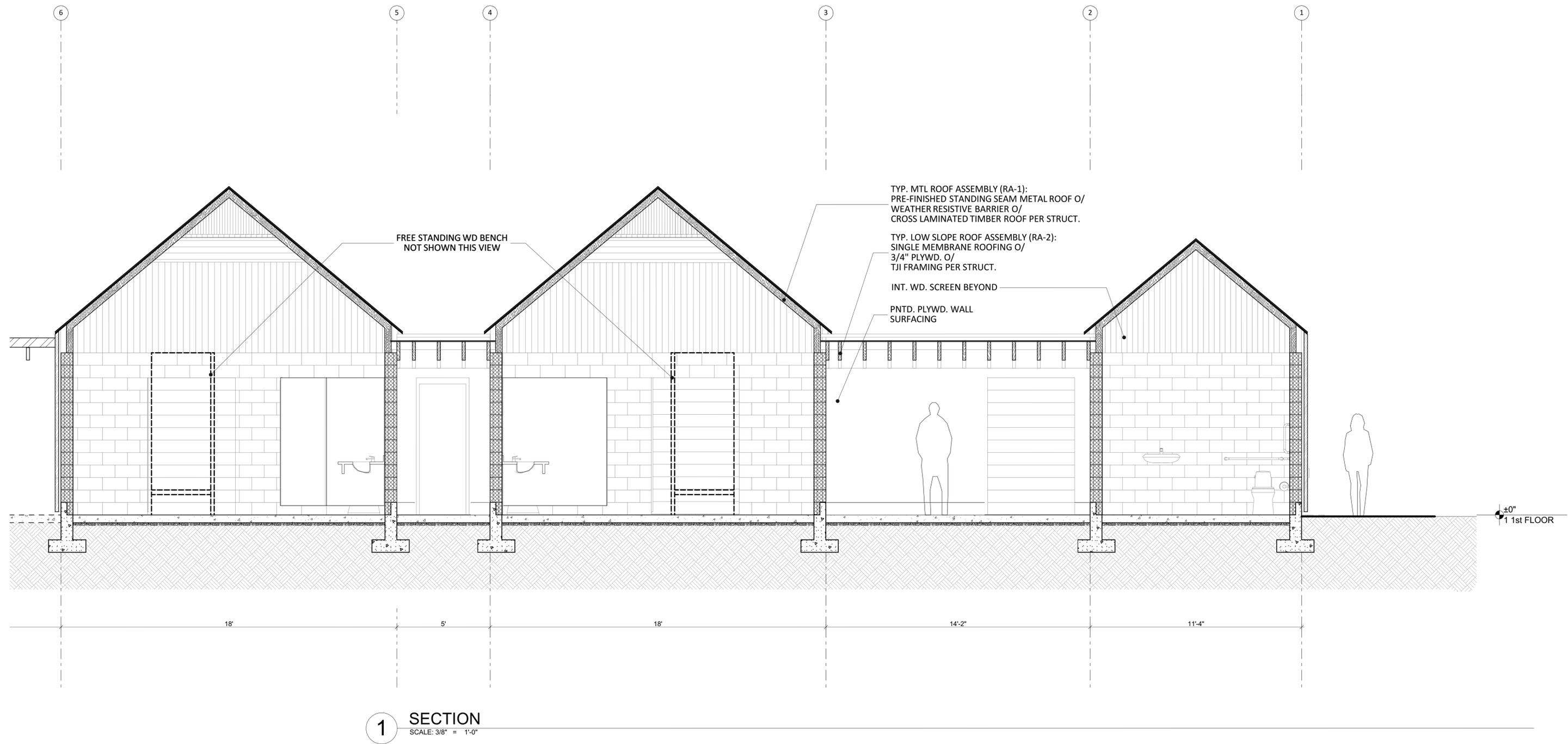


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT**
OVERALL SECTION

SHEET

A4.0

CALL BEFORE YOU DIG: 1-800-424-5555



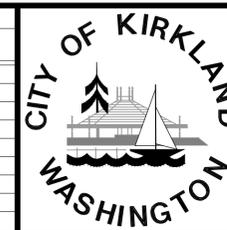
60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

**PRELIMINARY
NOT FOR
CONSTRUCTION**

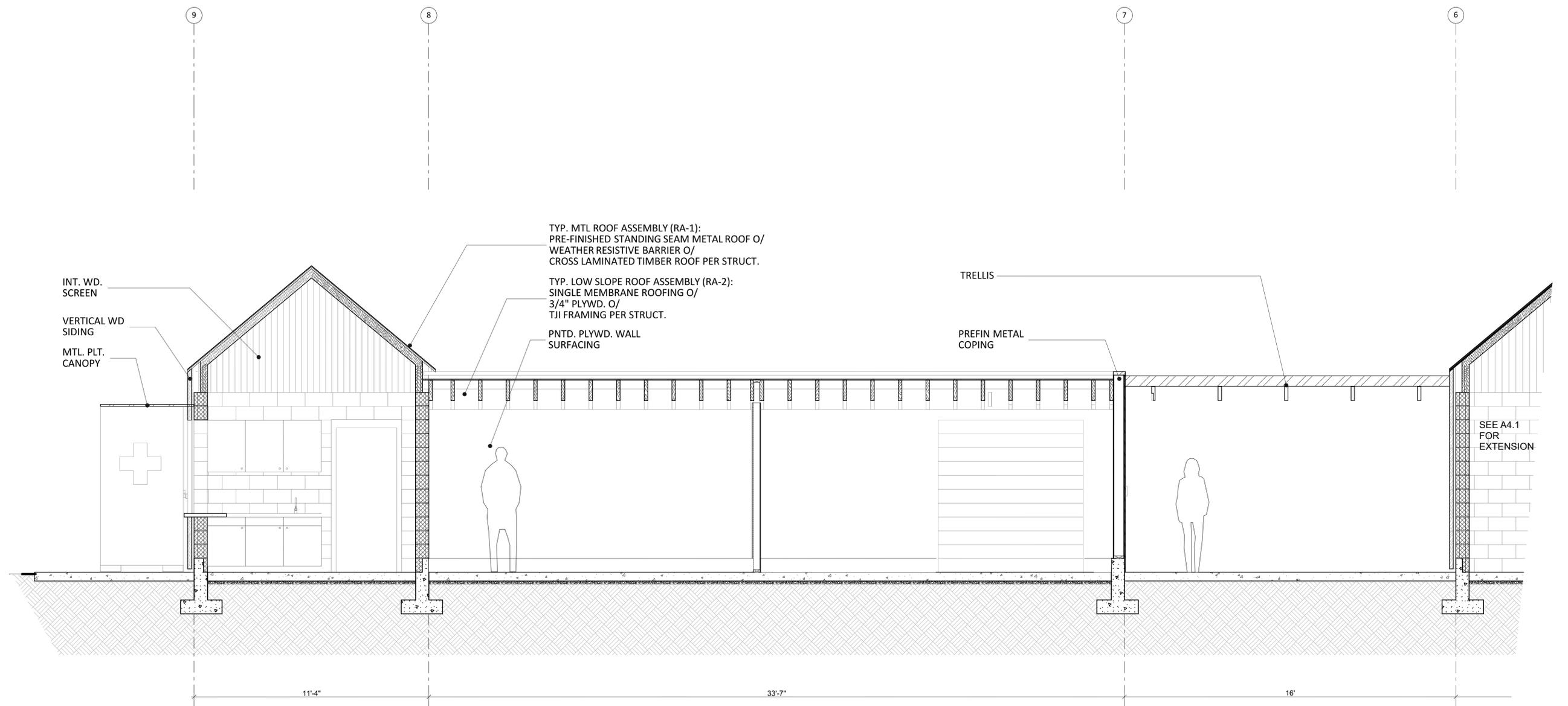
FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT**
ENLARGED SECTION

SHEET
A4.1

CALL BEFORE YOU DIG: 1-800-424-5555



1 SECTION
SCALE: 3/8" = 1'-0"

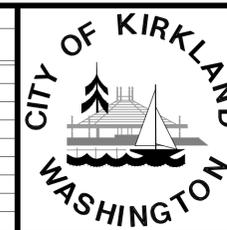
60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

**PRELIMINARY
NOT FOR
CONSTRUCTION**

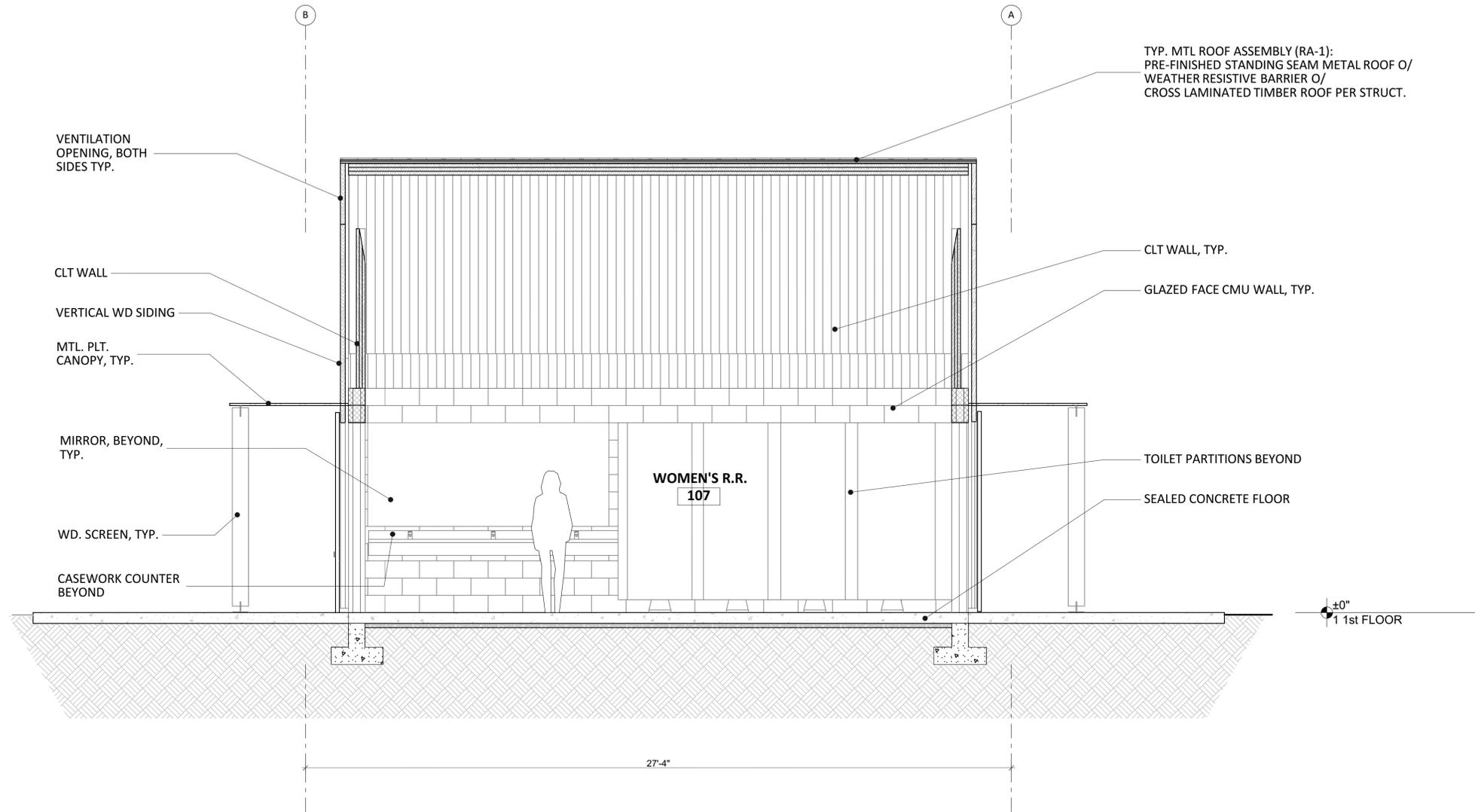
FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT**
ENLARGED SECTION

**SHEET
A4.2**

CALL BEFORE YOU DIG: 1-800-424-5555



1 SECTION
SCALE: 3/8" = 1'-0"

60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

**PRELIMINARY
NOT FOR
CONSTRUCTION**

FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE

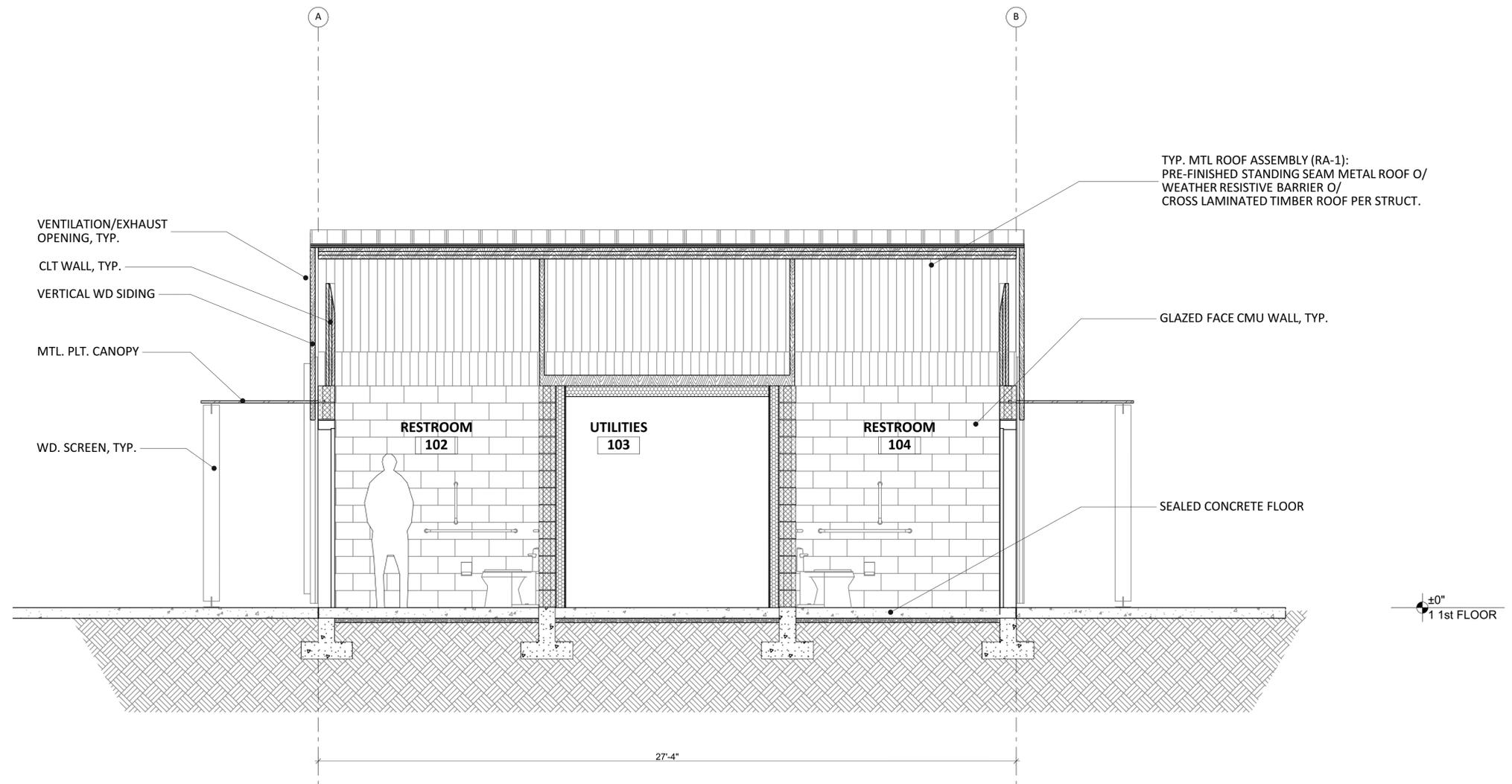


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT**
ENLARGED SECTION

SHEET

A4.3

CALL BEFORE YOU DIG: 1-800-424-5555



1 SECTION
SCALE: 3/8" = 1'-0"

60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

**PRELIMINARY
NOT FOR
CONSTRUCTION**

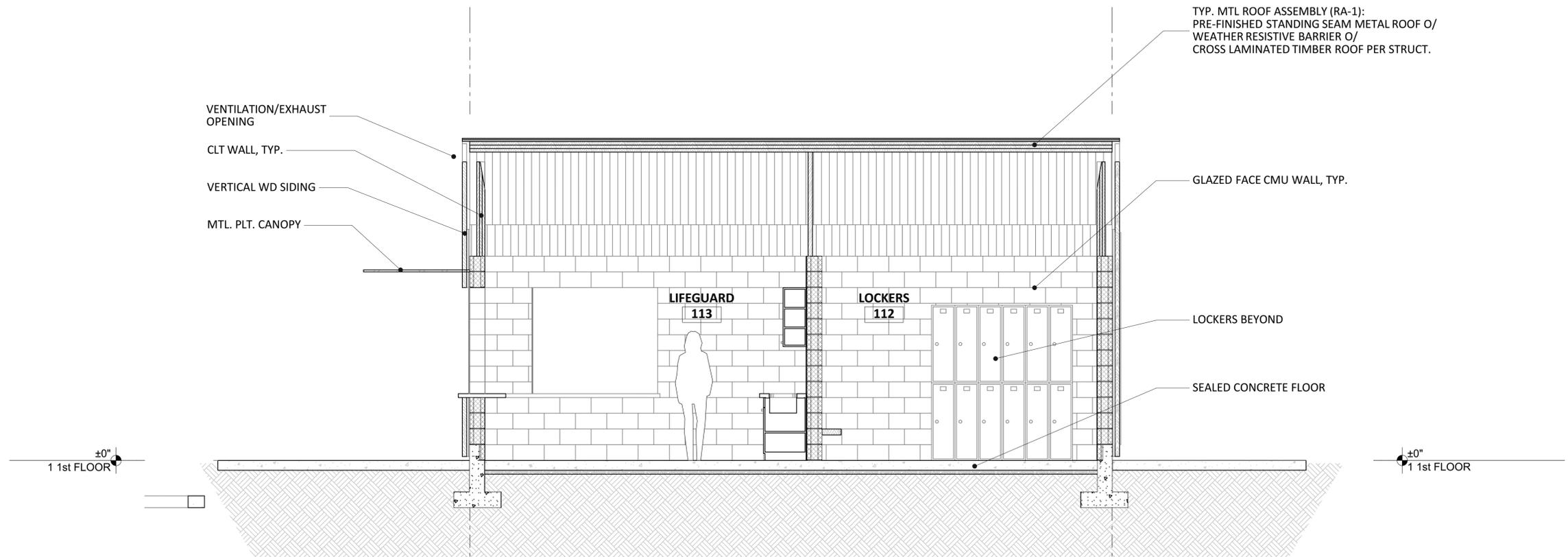
FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT**
ENLARGED SECTION

**SHEET
A4.4**

CALL BEFORE YOU DIG: 1-800-424-5555



1 SECTION
SCALE: 3/8" = 1'-0"

60% COORDINATION SET - NOT FOR CONSTRUCTION



PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

**PRELIMINARY
NOT FOR
CONSTRUCTION**

FILE	ENGR.	REVIEW	SCALE SHOWN	DATE
				3/26/2018
NO.	REVISION	BY	REVIEW	DATE

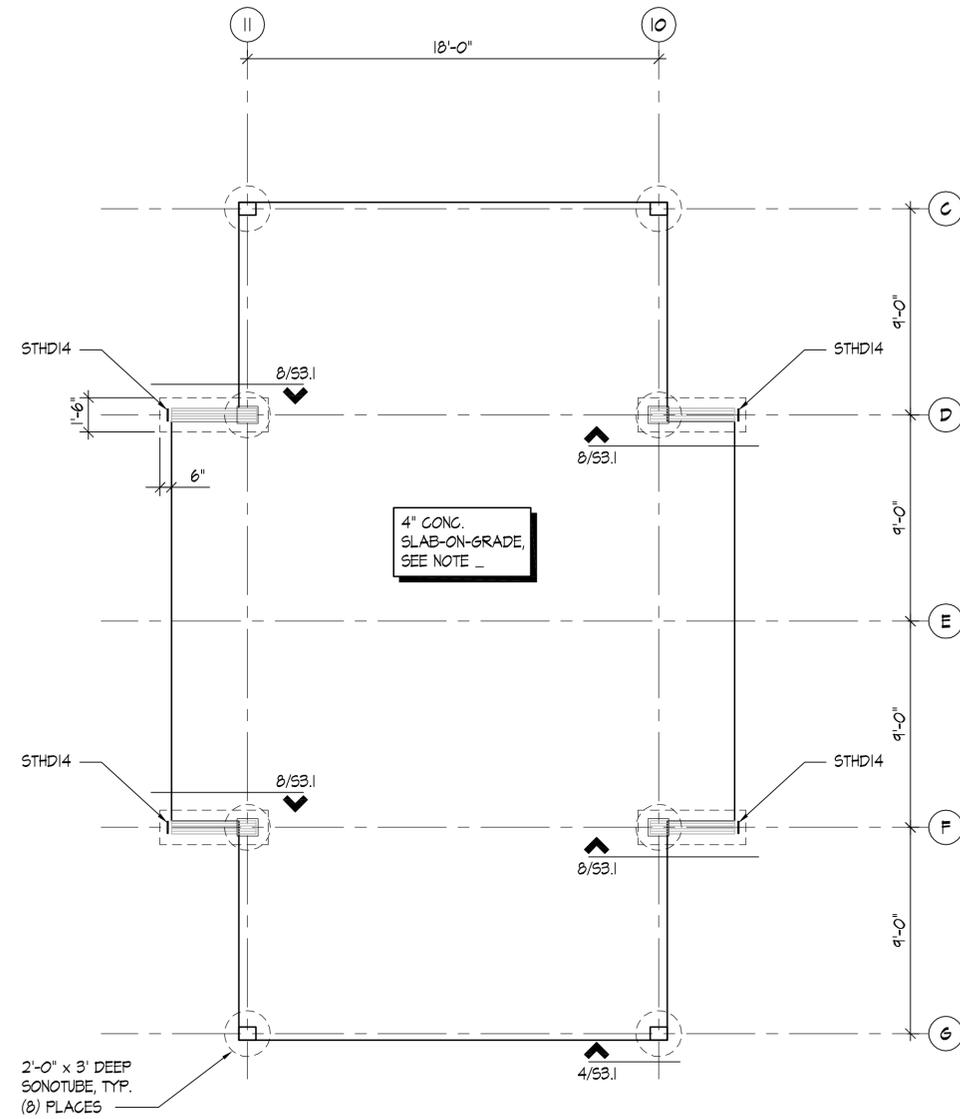


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
**JUANITA BEACH PARK
BATHHOUSE REPLACEMENT**
ENLARGED SECTION

SHEET

A4.5

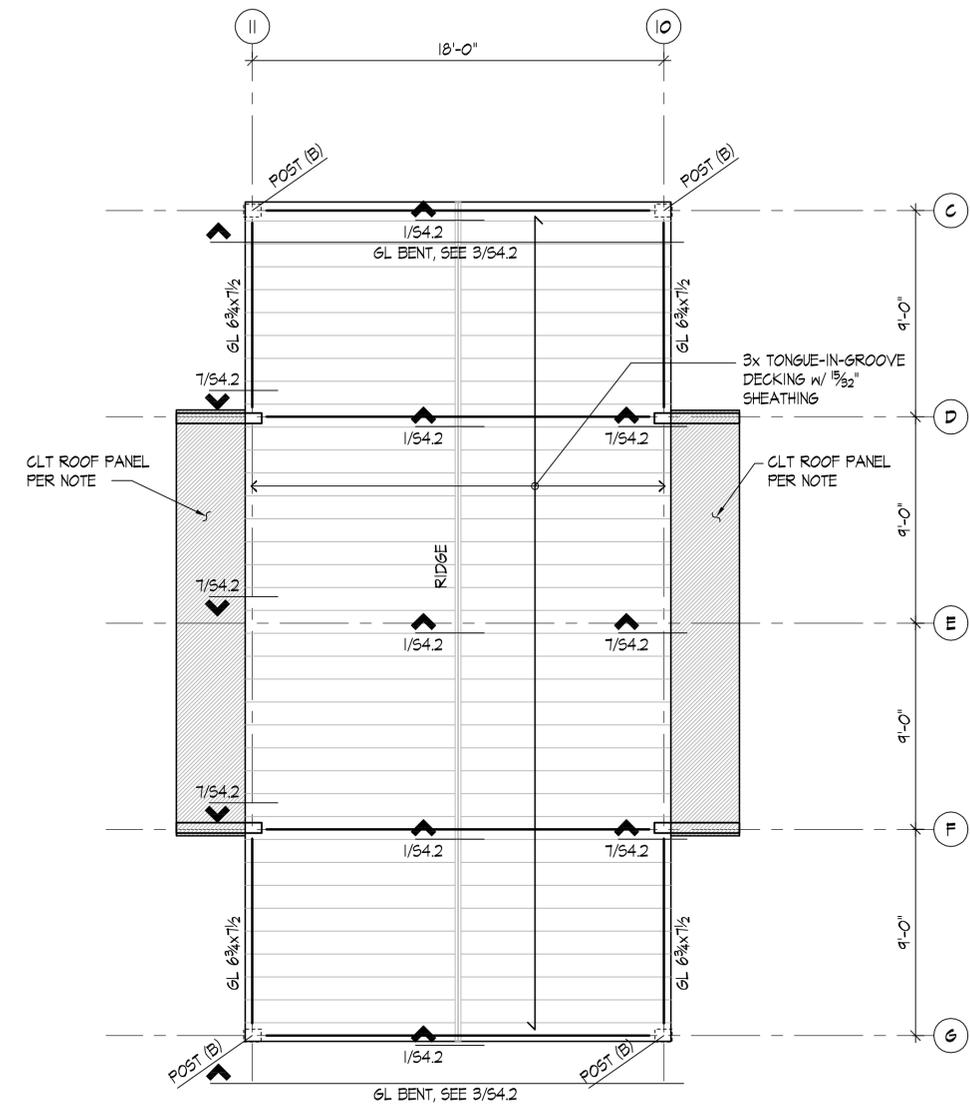
CALL BEFORE YOU DIG: 1-800-424-5555



FOUNDATION PLAN - PAVILION

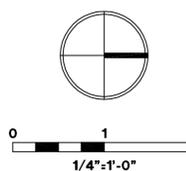
SCALE: 1/4" = 1'-0"

NOTE: PAVILION DESIGN STILL IN PROGRESS, THIS PAVILION DESIGN NO LONGER CURRENT



ROOF FRAMING PLAN - PAVILION

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



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



1511 THIRD AVENUE
SUITE 323
SEATTLE, WA 98101
TEL 206.957.3900
FAX 206.957.3901
www.quantumce.com

**Progress Set
Feb. 23, 2018**
(NOT FOR CONSTRUCTION)

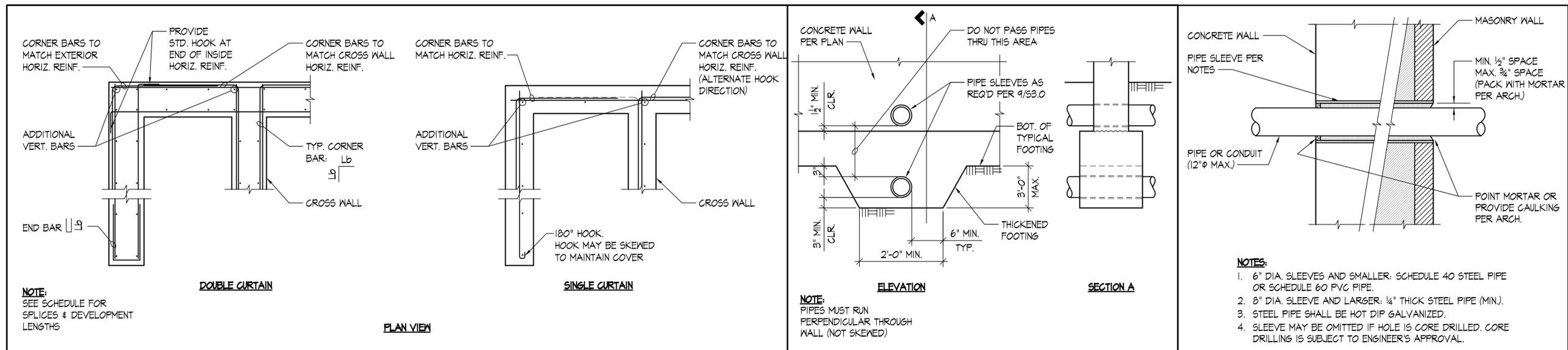
FILE	ENGR.	REVIEW	SCALE	DATE
	JHW	JHW	AS SHOWN	2/23/18
NO.	REVISION	BY	REVIEW	DATE



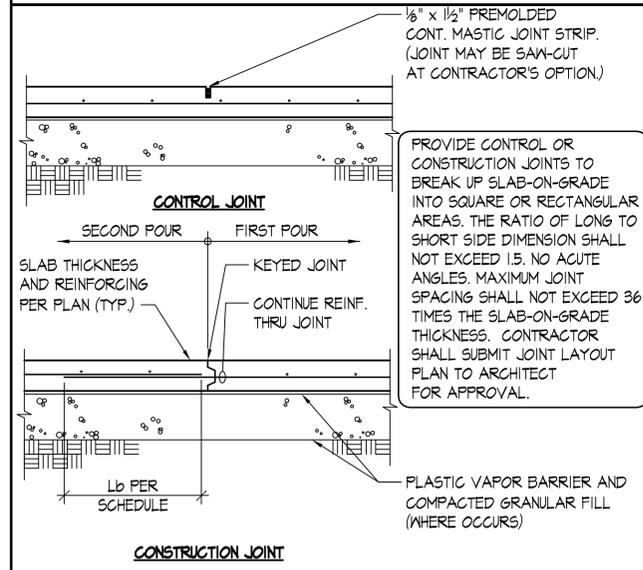
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
FOUNDATION & ROOF PLANS - PAVILION

SHEET

S2.4



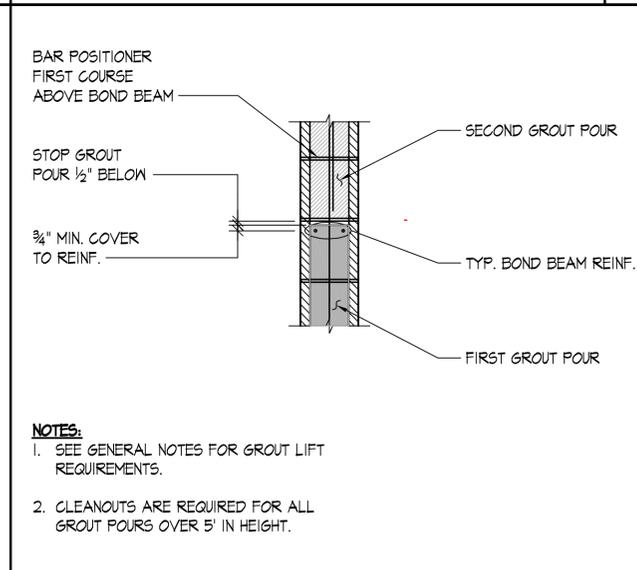
TYPICAL CORNER AND WALL END BAR ARRANGEMENT AT CONCRETE WALLS OR FOOTINGS SCALE: NONE **2** TYPICAL PIPE INSTALLATION PERPENDICULAR TO FOOTING SCALE: NONE **3** TYPICAL SLEEVE INSTALLATION THRU WALL SCALE: NONE **4**



MASONRY REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE

DEVELOPMENT & SPLICING OF REINFORCING IN GROUTED MASONRY CONST. FOR GR. 40 & GR. 60 REBAR

BAR SIZE	TENSION LAP SPLICE ("Lb")	SEISMIC LAP SPLICE
	# 3	18"
# 4	24"	30"
# 5	30"	38"
# 6	36"	45"
# 8	48"	60"



MASONRY BEAM SCHEDULE

MARK	NOMINAL MASONRY WIDTH	HORIZONTAL REINFORCING	STIRRUPS	TYPE
B-1	8"	(2) #	-	TYPE I
B-2	10"	(2) #	-	TYPE I
B-3	10"	(4) #8	-	TYPE II

NOTE:
 SEE 4/54.0 FOR NOTES.

TYPE I
 TYP. VERT. WALL REINF.
 HORIZ. REINF. PER SCHEDULE
 STD. 180° HOOK, TYP.

TYPE II
 TYP. VERT. WALL REINF.
 HORIZ. REINF. PER SCHEDULE
 BOND BEAM UNIT
 LINTEL UNIT, TYP.

TYPICAL SLAB-ON-GRADE JOINTS SCALE: NONE **5** MASONRY REINFORCING SPLICE LENGTH SCHEDULE SCALE: NONE **6** TYPICAL HORIZONTAL CONSTRUCTION JOINT IN MASONRY WALL SCALE: NONE **7** MASONRY BEAM SCHEDULE SCALE: NONE **8**



PRELIMINARY NOT FOR CONSTRUCTION

PATANO STUDIO ARCHITECTURE
 603 STEWART ST. SUITE 500
 SEATTLE, WA 98101



1511 THIRD AVENUE
 SUITE 323
 SEATTLE, WA 98101
 TEL 206.957.3900
 FAX 206.957.3901
 www.quantumce.com

Progress Set
 Feb. 23, 2018
 (NOT FOR CONSTRUCTION)

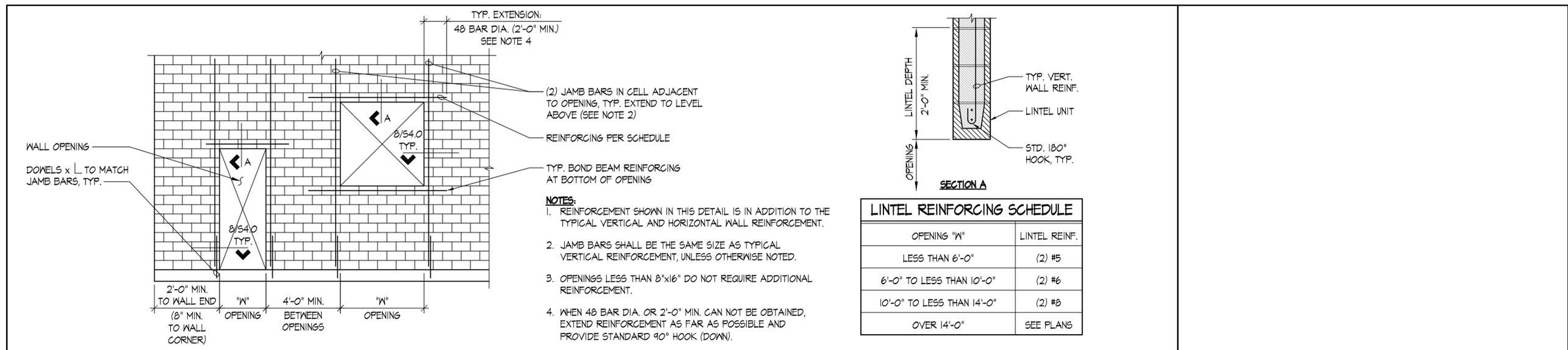
FILE	ENGR.	REVIEW	SCALE	DATE
	JHW	JHW	AS SHOWN	2/23/18
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
 PUBLIC WORKS DEPARTMENT
 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
 CPK 0119 100
 JUANITA BEACH PARK
 BATHHOUSE REPLACEMENT
 DETAILS

SHEET

S3.0



TYPICAL REINFORCEMENT AROUND OPENINGS IN MASONRY WALLS

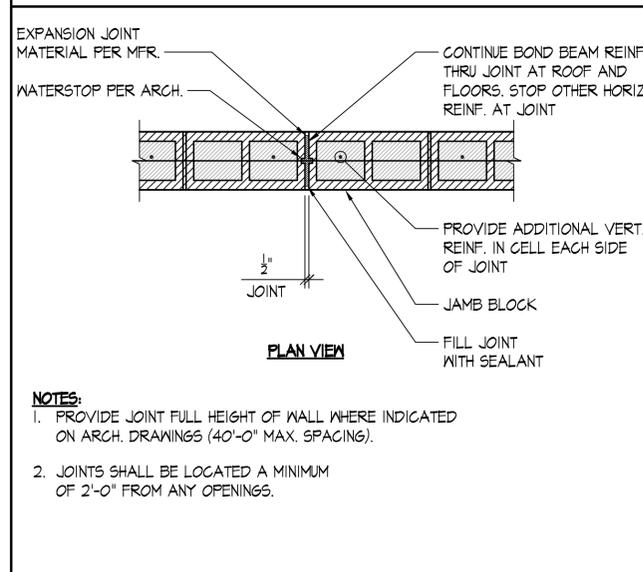
SCALE: NONE

3

DETAIL

SCALE: NONE

4

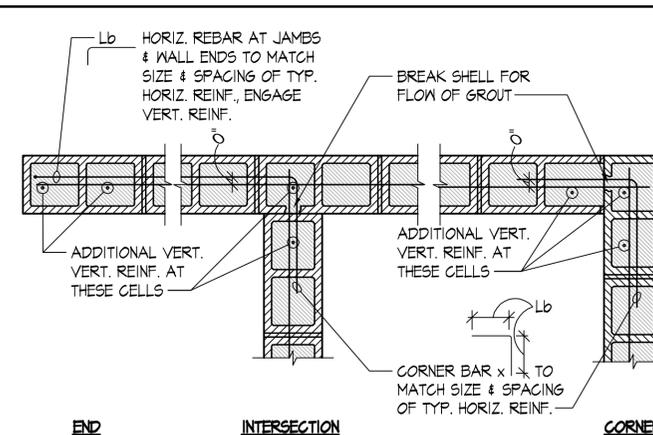


TYPICAL VERTICAL JOINT IN MASONRY WALL

SCALE: NONE

5

TYPICAL MASONRY WALL ENDS, INTERSECTIONS & CORNERS



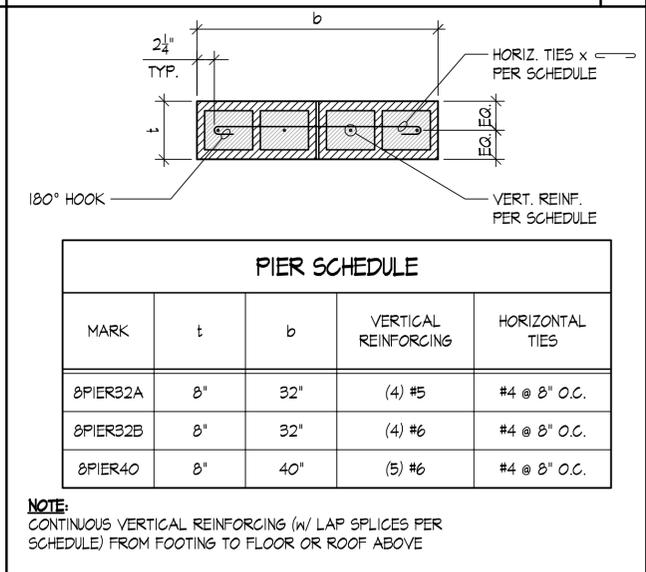
SCALE: NONE

7

TYPICAL MASONRY PIER

SCALE: NONE

8



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY NOT FOR CONSTRUCTION

PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



1511 THIRD AVENUE
SUITE 323
SEATTLE, WA 98101
TEL 206.967.3900
FAX 206.967.3901
www.quantumce.com

Progress Set
Feb. 23, 2018
(NOT FOR CONSTRUCTION)

FILE	ENGR.	REVIEW	SCALE	DATE
	JHW	JHW	AS SHOWN	2/23/18
NO.	REVISION	BY	REVIEW	DATE



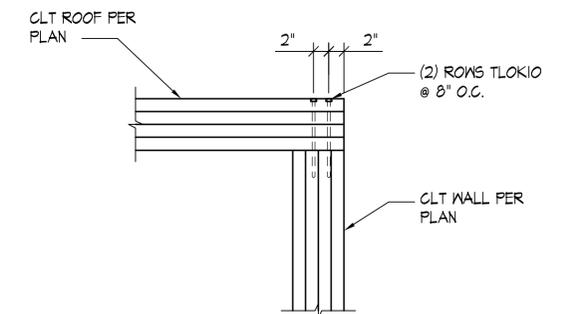
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
DETAILS

SHEET

S3.2

CALL BEFORE YOU DIG: 1-800-424-5555

DETAIL	SCALE: NONE	DETAIL	SCALE: NONE
DETAIL	SCALE: NONE	DETAIL	SCALE: NONE
DETAIL	SCALE: NONE	DETAIL	SCALE: NONE



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION



1511 THIRD AVENUE
SUITE 323
SEATTLE, WA 98101
TEL 206.957.3900
FAX 206.957.3901
www.quantumce.com

Progress Set
Feb. 23, 2018
(NOT FOR CONSTRUCTION)

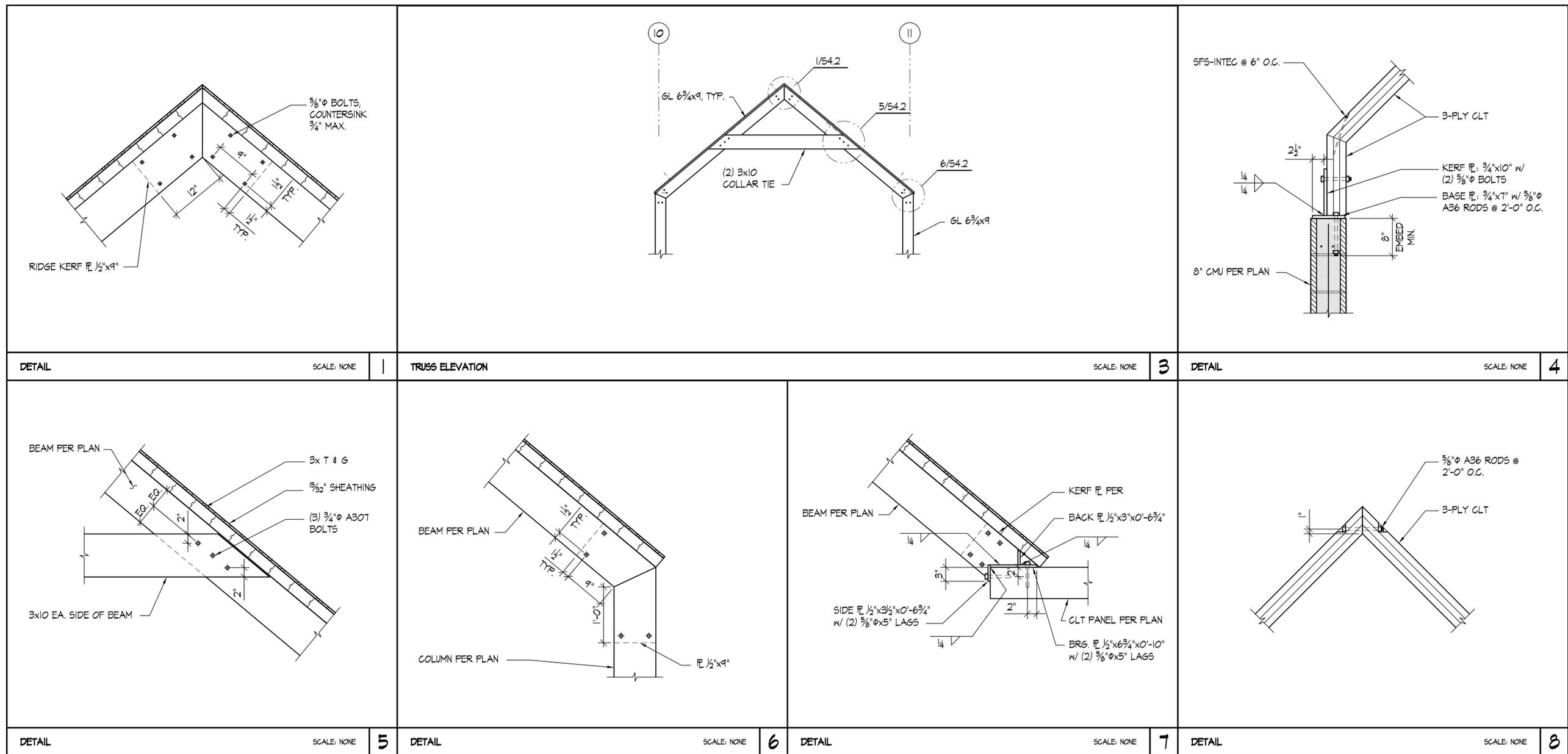
FILE	ENGR.	REVIEW	SCALE	DATE
	JHW	JHW	AS SHOWN	2/23/18
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
DETAILS

SHEET

S4.1



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION



1511 THIRD AVENUE
SUITE 323
SEATTLE, WA 98101
TEL 206.957.3900
FAX 206.957.3901
www.quantumce.com

Progress Set
Feb. 23, 2018
(NOT FOR CONSTRUCTION)

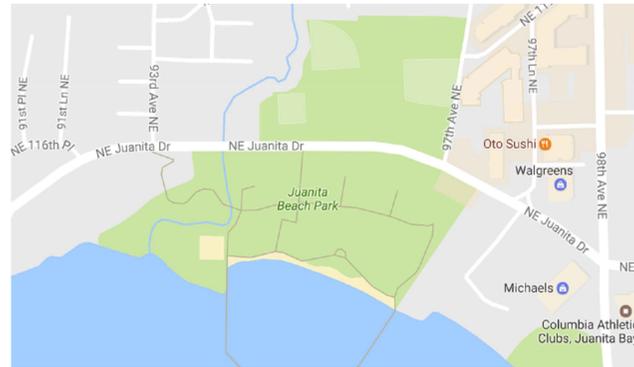
FILE	ENGR.	REVIEW	SCALE	DATE
	JHW	JHW	AS SHOWN	2/23/18
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
DETAILS

SHEET

S4.2



VICINITY PLAN

no scale



2015 WSEC COMPLIANCE

1. HVAC LOAD CALCULATIONS MEET THE REQUIREMENTS OF WSEC SECTION C403.2.1 AND EQUIPMENT HAS BEEN SIZED IN ACCORDANCE WITH WSEC SECTION C403.2.2.
2. HVAC EQUIPMENT SHALL HAVE MINIMUM PERFORMANCE AT SPECIFIED RATING CONDITIONS NOT LESS THAN THE VALUES INDICATED IN TABLE C403.2.3(1)A THROUGH TABLE C403.2.3(9) OF THE WSEC AND AS INDICATED ON THE CONTRACT DOCUMENTS.
3. FAN SYSTEM MOTOR SIZE SHALL NOT EXCEED LIMITS OF WSEC SECTION C403.2.11.2.
4. PROVIDE DEADBAND BETWEEN HEATING/COOLING SPACE SENSOR SETPOINTS OF 5 DEGREES AS REQUIRED BY WSEC SECTION C403.2.4.1.2.
5. SIMULTANEOUS HEATING AND COOLING TO INDIVIDUAL ZONES SHALL BE PROHIBITED EXCEPT WHERE PERMITTED IN THE WSEC.
6. HVAC SYSTEMS SHALL BE EQUIPPED WITH AUTOMATIC CONTROLS CAPABLE OF ACCOMPLISHING SETBACK OR SHUTDOWN DURING UNOCCUPIED PERIODS AS REQUIRED BY WSEC SECTION C403.2.4.2.2.
7. MOTORIZED DAMPERS SHALL BE RATED CLASS I AND SHALL HAVE A MAXIMUM LEAKAGE RATE OF 4 CFM/SF AT 1.0 INCH W.G.
8. PROVIDE BALANCING DEVICES IN ALL BRANCH DUCTS TO TERMINAL DEVICES AS REQUIRED BY WSEC SECTION C408.2.2 AND AS INDICATED ON THE CONTRACT DOCUMENTS. EACH EXHAUST AIR GRILLE SHALL BE EQUIPPED WITH MEANS FOR AIR BALANCING IN ACCORDANCE WITH THE REQUIREMENTS OF IMC CHAPTER 6.
9. ALL DUCTWORK SHALL COMPLY WITH SMACNA STANDARDS FOR CONSTRUCTION OF GALVANIZED DUCTWORK. ALL DUCTWORK ON THIS PROJECT SHALL BE RATED AS LOW PRESSURE. ALL DUCTWORK SHALL BE SEALED AS REQUIRED BY WSEC SECTION C403.2.8.3.1.
10. ALL DUCTWORK SHALL BE INSULATED AS REQUIRED BY WSEC SECTION C403.2.8 AND AS SCHEDULED IN THIS PLAN SET. DUCT SIZES SHOWN ON PLANS ARE NET, CLEAR DUCT SIZES.
11. ALL PIPING SHALL BE INSULATED AS REQUIRED BY WSEC SECTION C403.2.9.
12. MINIMUM MOTOR EFFICIENCY FOR MOTORS SHALL MEET THE REQUIREMENTS OF WSEC SECTION C405.8.
13. COMPLY WITH ALL COMMISSIONING AND COMPLETION REQUIREMENTS OF SECTION C103.6 OF THE WSEC. REFER TO SPECIFICATIONS.

GENERAL NOTES

1. THE MECHANICAL SYSTEM SHALL CONSIST OF ALL WORK SHOWN ON DRAWINGS, DIAGRAMS, AND AS DESCRIBED IN SPECIFICATIONS.
2. INSTALL ALL MECHANICAL WORK AS HIGH AS POSSIBLE, TIGHT TO STRUCTURE ABOVE.
3. THE MECHANICAL PLANS ARE DIAGRAMMATIC IN NATURE AND DO NOT ATTEMPT TO SHOW ALL REQUIRED OFFSETS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR CONSTRUCTION DETAILS.
4. ITEMS NOTED "TYPICAL" OR "TYP" ON ANY SHEET APPLY TO THAT PARTICULAR SHEET.
5. COORDINATE WITH SPECIFICATIONS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE STRINGENT SHALL APPLY.
6. PROVIDE NEC CODE MINIMUM HORIZONTAL AND VERTICAL WORKING CLEARANCES FOR ALL ELECTRICAL PANELS AND EQUIPMENT. OFFSET MECHANICAL WORK AS REQUIRED.
7. COORDINATE ALL MECHANICAL WORK WITH THAT OF OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK OF THIS CONTRACTOR. PROVIDE COORDINATED SHOP DRAWINGS PRIOR TO FABRICATION AND INSTALLATION.
8. MECHANICAL EQUIPMENT SHALL NOT BE USED FOR TEMPORARY HEAT DURING CONSTRUCTION.
9. VERIFY EXISTING CONDITIONS BEFORE COMMENCING ANY WORK ON AN EXISTING MECHANICAL SYSTEM.
10. ALL DUCTWORK SIZES SHOWN ARE INSIDE CLEAR. ADD APPROPRIATE DIMENSION FOR INSULATION OR DUCT LINER TO OBTAIN "TOTAL" DUCT SIZE.
11. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL DIFFUSERS AND GRILLES.
12. PROVIDE TRANSITIONS AS REQUIRED TO CONNECT DUCTWORK TO AIR TERMINAL UNITS, FANS AND OTHER MECHANICAL EQUIPMENT.
13. PROVIDE DIFFUSER AND GRILLE FRAMES COMPATIBLE WITH ARCHITECTURAL CEILING TYPE. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPE.
14. COORDINATE EXACT LOCATIONS OF ALL ROOM THERMOSTATS AND/OR ROOM TEMPERATURE SENSORS WITH ARCHITECT PRIOR TO INSTALLATION.
15. PROVIDE A VOLUME DAMPER FOR EACH SUPPLY, RETURN AND EXHAUST OPENING IN BRANCHES AND ELSEWHERE AS NOTED ON THE DRAWINGS OR SPECIFICATIONS.
16. MOTORS SHALL MEET THE MORE STRINGENT REQUIREMENTS OF EITHER THE WSEC OR THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA) OF 2007 ENFORCED BY THE DEPARTMENT OF ENERGY.

APPLICABLE CODES

- PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING CODES WITH LOCAL AND WASHINGTON STATE AMENDMENTS:
1. 2015 INTERNATIONAL BUILDING CODE
 2. 2015 INTERNATIONAL MECHANICAL CODE
 3. 2015 UNIFORM PLUMBING CODE
 4. 2015 WASHINGTON STATE ENERGY CODE

60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

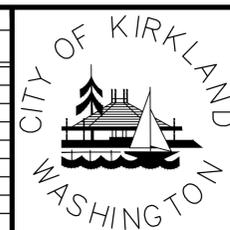


**Rainbow
CONSULTING**
LLC
MECHANICAL ENGINEERING

336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT

123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243

CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
CODE COMPLIANCE, NOTES

SHEET

M0.1

ABBREVIATIONS

A/E	ARCHITECT/ENGINEER
AFF	ABOVE FINISHED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECTURAL
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING & AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS'
A/E	ARCHITECT/ENGINEER
BDD	BACKDRAFT DAMPER
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
CONT	CONTINUATION
DB	DECIBEL
DBA	DECIBEL A WEIGHTED
DEG	DEGREE
DIA	DIAMETER
DN	DOWN
DOAS	DEDICATED OUTDOOR AIR SYSTEM
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
(E)EXIST	EXISTING
F	FAHRENHEIT
FC	FAN COIL
FLA	FULL LOAD AMPACITY
FPM	FEET PER MINUTE
FT	FEET/FOOT
GPM	GALLONS PER MINUTE
HSPF	HEATING SEASONAL PERFORMANCE FACTOR
IBC	INTERNATIONAL BUILDING CODE
IMC	INTERNATIONAL MECHANICAL CODE
IE	INVERT ELEVATION
IN	INCH
KW	KILOWATT
LBS	POUNDS
LWA	SOUND POWER, A WEIGHTED
MAX	MAXIMUM
MCA	MINIMUM CURRENT AMPACITY
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
NC	NOISE CRITERION
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OA	OUTSIDE AIR
OB	OPPOSED BLADE
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE PRESSURE
RPM	REVOLUTIONS PER MINUTE
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SUPPLY FAN/SQUARE FEET
SMACNA	SHEET METAL AND AIR-CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
SPEC	SPECIFICATION
SPL	SOUND PRESSURE LEVEL
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORIES, INC.
UPC	UNIFORM PLUMBING CODE
V	VENT/VOLTS
VRF	VARIABLE REFRIGERANT FLOW
W	WASTE/WATT
WG	WATER GAGE
WAC	WASHINGTON ADMINISTRATIVE CODE
WG	WATER GAGE
WISHA	WASHINGTON INDUSTRIAL SAFETY & HEALTH
WSEC	WASHINGTON STATE ENERGY CODE

MECHANICAL LEGEND

GENERAL

SYMBOL	DESCRIPTION
	HEAVY LINE INDICATES NEW WORK
	LIGHT LINE INDICATES BACKGROUND
	CENTERLINE
	PIPELINE - NORMAL DIRECTION OF FLOW
	KEY NOTE CALLOUT
	REVISION CALLOUT
	PLUMBING FIXTURE OR DRAIN CALLOUT
	POINT OF CONNECTION
	EQUIPMENT CALLOUT, SEE SCHEDULE
	DIFFUSER OR GRILLE CALLOUT, SEE SCHEDULE
	VOLUME FLOW RATE (CFM), NONE INDICATED FOR TRANSFER GRILLE
	DIFFUSER OR GRILLE TYPE
	INDICATES DIAMETER OR ROUND
	DETAIL CALLOUT: INDICATES DETAIL NUMBER SHEET NUMBER WHERE DETAIL IS DRAWN
	SECTION CALLOUT: INDICATES DIRECTION OF CUTTING PLANE INDICATES SECTION LETTER SHEET NUMBER WHERE SECTION IS DRAWN

VENTILATION

DOUBLE	SINGLE	DESCRIPTION
		DUCT: 1ST SIZE (IN) INDICATES SIDE SHOWN, 2ND SIZE (IN) INDICATES SIDE NOT SHOWN, INSIDE FREE AREA
		SOUNDLINED DUCT
		SUPPLY AIR DUCT - TURNING UP OR TOWARD
		SUPPLY AIR DUCT - TURNING DOWN OR AWAY
		RETURN OR EXHAUST AIR DUCT - TURNING UP OR TOWARD
		RETURN OR EXHAUST AIR DUCT - TURNING DOWN OR AWAY
		ROUND DUCT - TURNING UP OR TOWARD
		ROUND DUCT - TURNING DOWN OR AWAY
		TRANSITION
		TRANSITION - ROUND TO RECTANGULAR
		TURNING VANES IN RECTANGULAR DUCT TURN
		90° ELBOW (RADIUS = 1.5 x ELBOW DIAMETER)
		RECTANGULAR BRANCH CONNECTION WITH 45° TAPER
		CONICAL BRANCH CONNECTION
		45° LATERAL FITTING

VENTILATION (CONT)

DOUBLE	SINGLE	DESCRIPTION
		45° LATERAL FITTING WITH 45° ELBOW
		90° CONICAL TEE FITTING
		BELLMOUTH BRANCH CONNECTION
		90° DIVERGING TEE
		90° DIVERGING TEE
		AUTOMATIC CONTROL DAMPER - OPPOSED BLADE (PROVIDE ACCESS)
		VOLUME DAMPER
		BACKDRAFT DAMPER
		COMBINATION FIRE/SMOKE DAMPER (PROVIDE ACCESS)
		INDICATES RISE OR DROP
		FLEXIBLE DUCTWORK
		FLEXIBLE CONNECTOR
		SUPPLY GRILLE (SIDEWALL)
		RETURN/EXHAUST GRILLE (SIDEWALL)

SYMBOL	DESCRIPTION
	CEILING DIFFUSER (4-WAY AIRFLOW)
	CEILING DIFFUSER (2-WAY AIRFLOW)
	CEILING DIFFUSER (3-WAY AIRFLOW)
	CEILING DIFFUSER (1-WAY AIRFLOW)
	RETURN/EXHAUST GRILLE
	RETURN GRILLE WITH BOOT

EQUIPMENT

SYMBOL	DESCRIPTION
	THERMOSTAT OR TEMP. SENSOR
	CO2 SENSOR
	PRESSURE SENSOR

60% COORDINATION SET - NOT FOR CONSTRUCTION



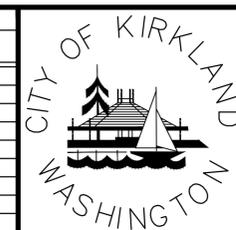
PRELIMINARY
NOT FOR
CONSTRUCTION



336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
LEGEND, ABBREVIATIONS

SHEET

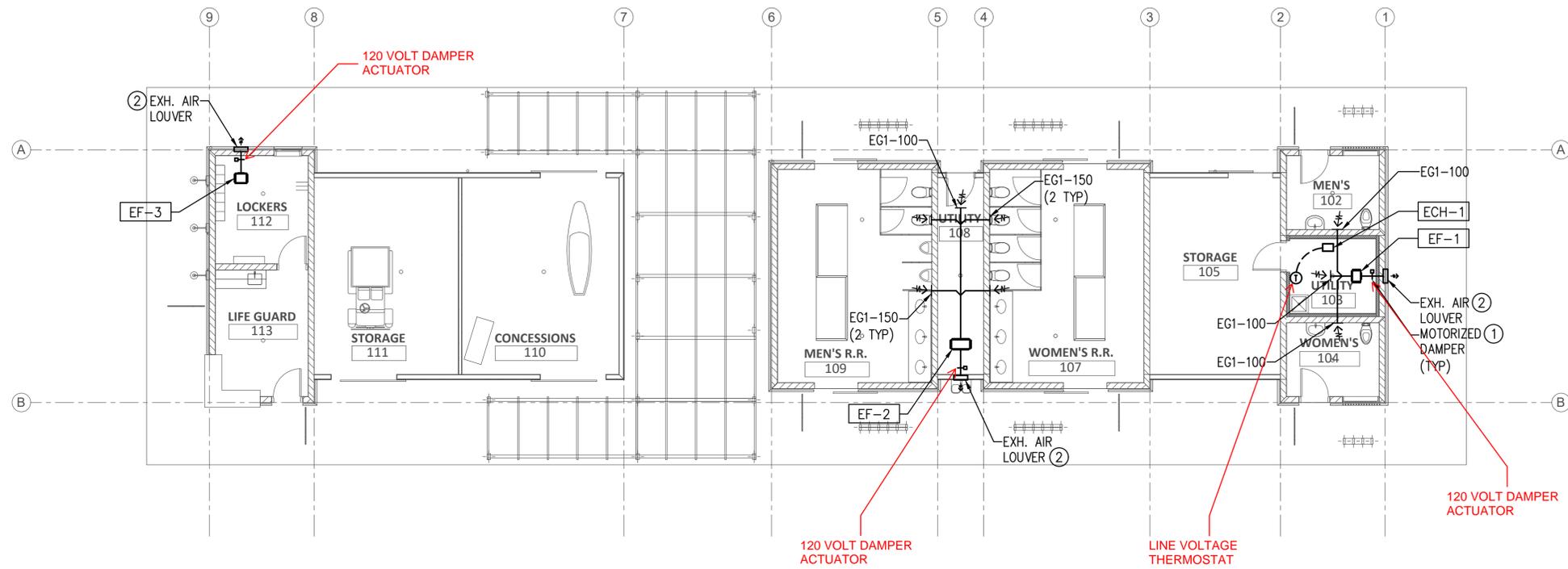
M0.2

PLAN NOTES:

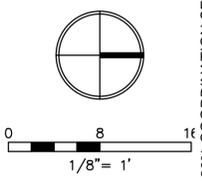
1. ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL UNLESS OTHERWISE NOTED AND INSTALLED IN ACCORDANCE WITH SMACNA REQUIREMENTS. ALL DUCTWORK ON THIS PROJECT SHALL BE LOW PRESSURE TYPE.
2. FLEXIBLE CONNECTORS: PROVIDE UL LISTED 181 FLEXIBLE CONNECTORS PER INTERNATIONAL MECHANICAL CODE SECTION 603.2.1.
3. WHERE VOLUME DAMPERS ARE CONCEALED WITHIN A HARD LID CEILING, PROVIDE CONCEALED YOUNG REGULATOR SERIES 301 OR EQUAL.
4. REFER TO SHEET M2.1 FOR DETAILS OF DUCT HANGERS AND CONNECTIONS TO STRUCTURE.

KEY NOTES:

- ① CLASS 1 MOTORIZED DAMPER. BASIS FOR DESIGN: GREENHECK VCD-23 SERIES WITH 120-VOLT ACTUATOR. ACTUATOR SHALL POWER OPEN AND CLOSE UPON POWER FAILURE.
- ② LOUVER SPECIFIED BY ARCHITECT AND INSTALLED BY GENERAL CONTRACTOR.



① BATHHOUSE - MECHANICAL FLOOR PLAN
1/8" = 1'-0"



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

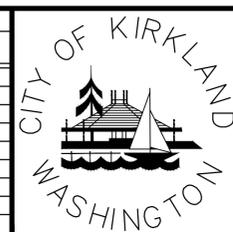
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



**Rainbow
consulting**
LLC
MECHANICAL ENGINEERING
336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



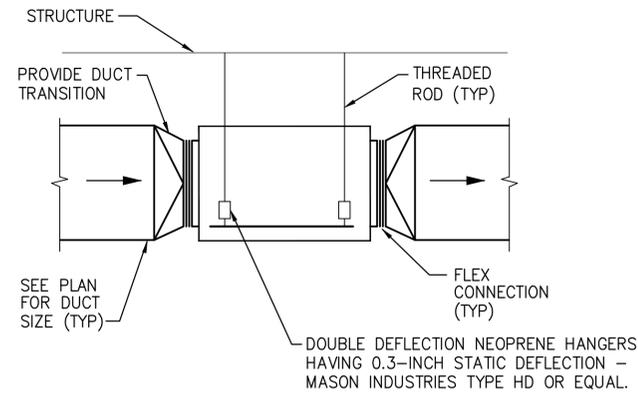
FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
MECHANICAL FLOOR PLAN

SHEET
M1.1

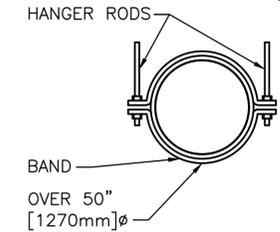
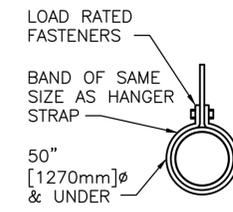
CALL BEFORE YOU DIG: 1-800-424-5555



IN-LINE FAN - DIRECT DRIVE

SCALE: NONE

3



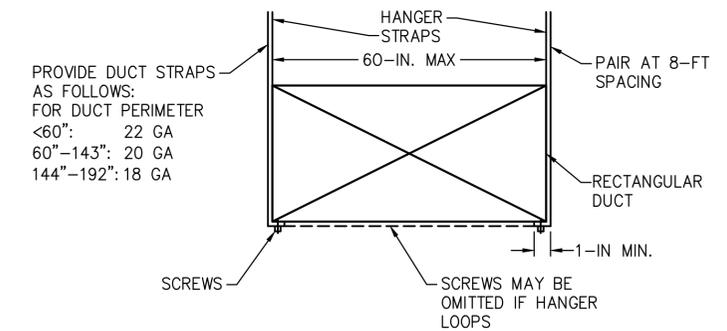
HANGER STRAPS OR RODS			
MAX. DUCT Ø IN. [mm]	QUANTITY/SIZE IN. [mm]	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]
26 [650]	ONE 1 [25] x 22 GA STRAP	260 [119]	144 [3658]
36 [900]	ONE 1 [25] x 18 GA STRAP	420 [190]	144 [3658]
50 [1250]	ONE 1 [25] x 16 GA STRAP	700 [317]	144 [3658]
60 [1500]	TWO 3/8 [10]Ø. RODS	1320 [598]	144 [3658]
84 [2100]	TWO 1/2 [13]Ø RODS	2500 [1133]	144 [3658]

NOTE:
TABULATED DATA FROM SMACNA
ALLOWS FOR DUCT REINFORCING AND
INSULATION, BUT NO EXTERNAL LOAD.
PROVIDE SEISMIC BRACING PER
SMACNA REQUIREMENTS.

ROUND DUCT HANGERS

SCALE: NONE

1



STRAP HANGERS

RECTANGULAR DUCT HANGERS

SCALE: NONE

2

60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

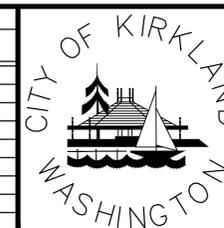
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
MECHANICAL DETAILS

SHEET
M2.1

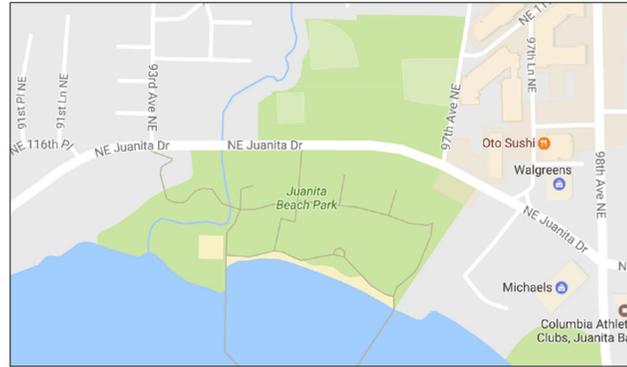
PLUMBING LEGEND

GENERAL

SYMBOL	DESCRIPTION
	HEAVY LINE INDICATES NEW WORK
	LIGHT LINE INDICATES EXISTING WORK OR BACKGROUND
	CENTERLINE
	PIPELINE - NORMAL DIRECTION OF FLOW
	KEY NOTE CALLOUT
	REVISION CALLOUT
	PLUMBING FIXTURE OR DRAIN CALLOUT, SEE SCHEDULE
	POINT OF CONNECTION
	INDICATES DIAMETER OR ROUND
	DETAIL CALLOUT:
	INDICATES DETAIL NUMBER
	SHEET NUMBER WHERE DETAIL IS DRAWN
	SECTION CALLOUT:
	INDICATES DIRECTION OF CUTTING PLANE
	INDICATES SECTION LETTER
	SHEET NUMBER WHERE SECTION IS DRAWN

PLUMBING AND PIPING

SYMBOL	DESCRIPTION
	COLD WATER
	HOT WATER
	SOIL OR WASTE - ABOVE GROUND
	SOIL OR WASTE - BELOW GROUND
	VENT
	RAIN WATER LEADER
	CONDENSATE DRAIN
	PIPE TURNING UP OR TOWARD
	PIPE TURNING DOWN OR AWAY
	FLOOR DRAIN
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	CALIBRATED BALANCING VALVE
	BALL VALVE
	PRESSURE REGULATING VALVE
	UNION
	VENT THROUGH ROOF
	WALL HYDRANT/HOSE BIBB
	BACKFLOW PREVENTER



VICINITY PLAN

no scale

ABBREVIATIONS

A/E	ARCHITECT/ENGINEER
AFF	ABOVE FINISHED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS'
A/E	ARCHITECT/ENGINEER
BTU	BRITISH THERMAL UNIT
CO	CLEANOUT
CONT	CONTINUATION
CW	COLD WATER
DEG	DEGREE
DIA	DIAMETER
DN	DOWN
(E)EXIST	EXISTING
F	FAHRENHEIT
FD	FLOOR DRAIN
FPM	FEET PER MINUTE
FT	FEET/FOOT
GPM	GALLONS PER MINUTE
HW	HOT WATER
IBC	INTERNATIONAL BUILDING CODE
IE	INVERT ELEVATION
IN	INCH
KW	KILOWATT
LBS	POUNDS
MAX	MAXIMUM
MCA	MINIMUM CURRENT AMPACITY
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE PRESSURE
RPM	REVOLUTIONS PER MINUTE
SF	SUPPLY FAN/SQUARE FEET
SPEC	SPECIFICATION
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORIES, INC.
UPC	UNIFORM PLUMBING CODE
V	VENT/VOLTS
VTR	VENT THROUGH ROOF
W	WASTE/WATT
WG	WATER GAGE
WAC	WASHINGTON ADMINISTRATIVE CODE
WG	WATER GAGE
WISHA	WASHINGTON INDUSTRIAL SAFETY & HEALTH
WSEC	WASHINGTON STATE ENERGY CODE

GENERAL NOTES

1. THE PLUMBING SYSTEM SHALL CONSIST OF ALL WORK SHOWN ON DRAWINGS, DIAGRAMS, AND AS DESCRIBED IN SPECIFICATIONS.
2. INSTALL ALL PLUMBING WORK AS HIGH AS POSSIBLE, TIGHT TO STRUCTURE ABOVE.
3. THE PLUMBING PLANS ARE DIAGRAMMATIC IN NATURE AND DO NOT ATTEMPT TO SHOW ALL REQUIRED OFFSETS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR CONSTRUCTION DETAILS.
4. ITEMS NOTED "TYPICAL" OR "TYP" ON ANY SHEET APPLY TO THAT PARTICULAR SHEET.
5. COORDINATE WITH SPECIFICATIONS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE STRINGENT SHALL APPLY.
6. PROVIDE NEC CODE MINIMUM HORIZONTAL AND VERTICAL WORKING CLEARANCES FOR ALL ELECTRICAL PANELS AND EQUIPMENT. OFFSET PLUMBING WORK AS REQUIRED.
7. COORDINATE ALL PLUMBING WORK WITH THAT OF OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK OF THIS CONTRACTOR. PROVIDE COORDINATED SHOP DRAWINGS PRIOR TO FABRICATION AND INSTALLATION.
8. VERIFY EXISTING CONDITIONS BEFORE COMMENCING ANY WORK ON AN EXISTING PLUMBING SYSTEM.
9. COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES WITH CASEWORK AND ARCHITECTURAL DRAWINGS.

PLUMBING NOTES

1. PROVIDE WATER HAMMER ARRESTORS AT THE END OF HOT AND COLD WATER LINES SERVING TWO OR MORE FIXTURES: SIZE IN ACCORDANCE WITH WITH PDI REQUIREMENTS. ACCESS NOT REQUIRED.
2. PLUMBING CONTRACTOR TO PROVIDE SHUT-OFF VALVES TO ALL PLUMBING EQUIPMENT AND FIXTURES. COORDINATE ACCESS PANELS WITH ARCHITECT AS REQUIRED.
3. FOR PIPING PENETRATIONS OF FLOORS AND WALLS, REFER TO DETAILS ON SHEET P2.1.
4. PROVIDE TRAP PRIMERS TO ALL NEW FLOOR DRAINS. COORDINATE ACCESS WITH GENERAL CONTRACTOR.
5. PROVIDE PIPE INSULATION PER WSEC. REFER TO DETAIL ON SHEET P2.1.
6. SLOPE DOMESTIC WATER PIPING AND PROVIDE HOSE END DRAIN VALVES AS REQUIRED FOR SYSTEM DRAINAGE.
7. PROVIDE CLEANOUTS IN ACCORDANCE WITH UPC REQUIREMENTS. REFER TO DETAILS ON SHEET P2.1.
8. FOR PIPE HANGER DETAILS AND CONNECTIONS TO STRUCTURE, REFER TO DETAILS ON SHEET P2.2.

APPLICABLE CODES

PROJECT SHALL COMPLY WITH THE FOLLOWING BUILDING CODES WITH LOCAL AND WASHINGTON STATE AMENDMENTS:

1. 2015 INTERNATIONAL BUILDING CODE
2. 2015 UNIFORM PLUMBING CODE
3. 2015 WASHINGTON STATE ENERGY CODE



PRELIMINARY
NOT FOR
CONSTRUCTION

PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



Rainbow
CONSULTING
MECHANICAL ENGINEERING

336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT

123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243

CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
LEGEND, ABBREVIATIONS, NOTES

SHEET

P0.1

PLUMBING FIXTURE CONNECTIONS												
MARK		P1	P1A	P1B	P2	P3	P4	P5	P6	P7	P8	P9
DESCRIPTION		FLUSH VALVE	ADA FLUSH VALVE	ADA FLUSH VALVE	FLUSH VALVE	COUNTERTOP	WALL MOUNTED	MOP BASIN	COUNTERTOP	ADA WALL MOUNT	FREEZE PROOF	SHOWER
		WATER CLOSET	WATER CLOSET	WATER CLOSET	URINAL	LAVATORY	LAVATORY	FLOOR	SINK	DRINKING FOUNTAIN	HOSE BIB	-
ROUGH-IN	COLD WATER: IN	1-1/2	1-1/2	1-1/2	3/4	1/2	1/2	1/2	1/2	1/2	3/4	3/4
	HOT WATER: IN	-	-	-	-	1/2	1/2	1/2	1/2	1/2	-	-
	WASTE: IN	3	3	3	2	1-1/2	1-1/2	3	1-1/2	1-1/2	-	-
	VENT: IN	2	2	2	2	1-1/2	1-1/2	2	1-1/2	1-1/2	-	-
REMARKS		[2]	[1, 2]	[1, 5]	[1, 2]	[3]	[1, 3]	[4]	[3]	-	-	-

NOTES:

1. ADA MOUNTING HEIGHT.
2. FURNISH WITH CHAIR CARRIER, SEE ARCH. FOR MTG HEIGHT.
3. FURNISH WITH CHROME SUPPLIES WITH LOOSE KEY STOPS.
4. MOUNT FAUCET 36" AFF.
5. PROVIDE WITH 150-WATT SCREW-IN HEATER. SEE DETAIL X ON SHEET PX.
6. PROVIDE SUPPLIES AND P-TRAP WITH HEAT TRACE. REFER TO SPECIFICATIONS.

FLOOR DRAINS			
MARK		D1	
DESCRIPTION		FLOOR	
		DRAIN	
SIZE	PIPE SIZE: IN	2	
	SIZE: IN	6" DIA.	
	TRAP PRIMER: IN	1/2	
MATERIAL	BODY	DUCO CI	
	STRAINER / GRATE	NICK. BRO.	
BASIS OF DESIGN	MANUFACTURER	ZURN	
	MODEL	Z415B	
REMARKS	NOTES	[1]	

NOTES:

1. SEE DETAIL 3 ON SHEET P2.1.

WATER HEATERS: ELECTRIC				
MARK		WH-1	WH-2	WH-3
LOCATION		UTILITY	UTILITY	STORAGE
CAPACITY	TYPE	TANK	TANK	TANK
	TANK CAPACITY: GALS	15	15	6
	RECOVERY: GPH [1]	19	19	8
ELECTRICAL	WATTAGE: KW	4	4	1.5
	VOLTS/PHASE	208/1	208/1	208/1
	FULL LOAD AMPS	19.2	19.2	7.2
UNIT WEIGHT	SHIP WEIGHT: LBS	66	66	35
BASIS OF DESIGN	MANUFACTURER	AO SMITH	AO SMITH	AO SMITH
	MODEL	DEL-15	DEL-15	DEL-6
	REMARKS	[2]	[2]	[2]

1. RECOVERY CAPACITY AT 80°F TEMPERATURE RISE.
2. REFER TO INSTALLATION DETAIL 5 ON SHEET P2.2.

PLUMBING PIPE INSULATION					
FLUID	INSULATION CONDUCTIVITY		NOMINAL PIPE SIZE (IN.)		
	CONDUCTIVITY RANGE BTU-IN/h-ft ² -F 0.22 - 0.28	MEAN RATING TEMP °F	<1	1 TO <1-1/2	1-1/2 TO <4
CW	0.21-0.27	75	0.5	0.5	0.5
HW	0.21-0.28	100	1.0	1.0	1.5

60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

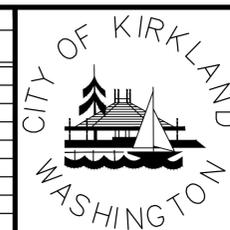
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243

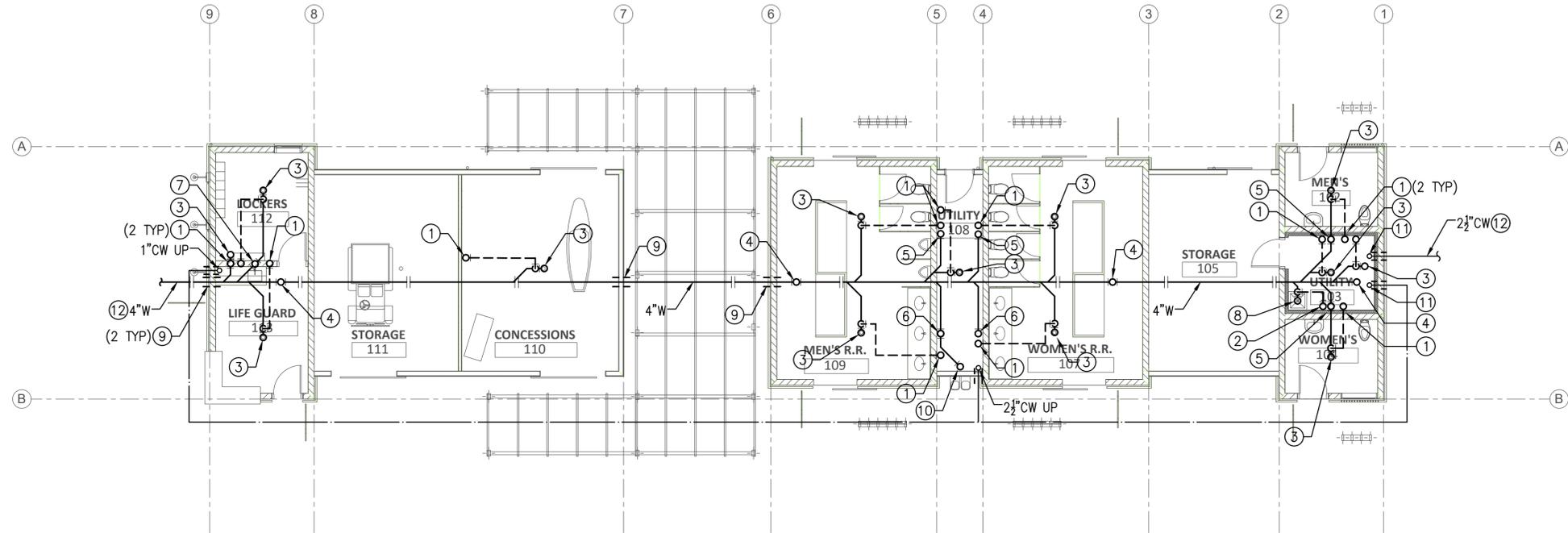
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
PLUMBING SCHEDULES

SHEET

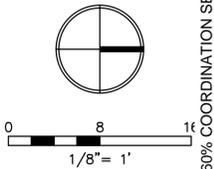
P0.2

KEY NOTES:

- ① 1½"V UP.
- ② 2"V UP.
- ③ 2"W UP TO D1
- ④ UP TO CLEANOUT.
- ⑤ 4"W UP.
- ⑥ 2"W UP.
- ⑦ 2"W UP TO P-6.
- ⑧ 3"W UP TO P-5.
- ⑨ SCHEDULE 40 STEEL SLEEVE AT FOOTING PENETRATION.
- ⑩ 1½"W UP TO P-7.
- ⑪ 2½"CW UP.
- ⑫ SEE CIVIL PLAN UTILITY PLAN FOR CONTINUATION.



① BATHHOUSE - PLUMBING FOUNDATION PLAN
1/8" = 1'-0"



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
PLUMBING FOUNDATION PLAN

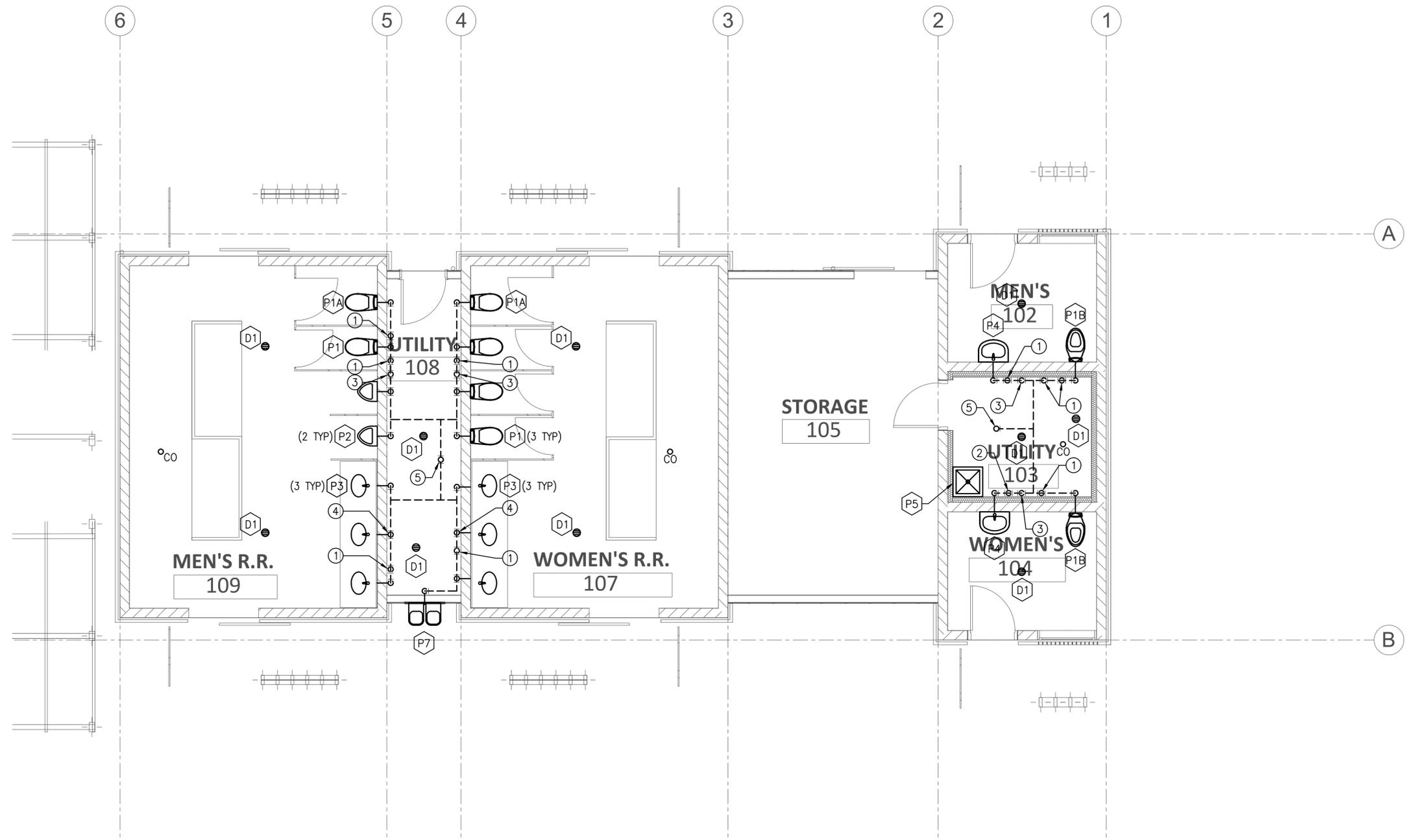
SHEET

P1.0

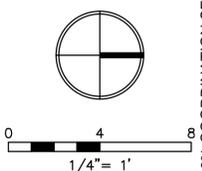
CALL BEFORE YOU DIG: 1-800-424-5555

KEY NOTES:

- ① 1½" V DOWN.
- ② 2" V DOWN.
- ③ 4" W DOWN.
- ④ 2" W DOWN.
- ⑤ 3" V UP THRU ROOF.



① NORTH BUILDING - DRAIN, WASTE & VENT PLUMBING PLAN
1/4" = 1'-0"



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

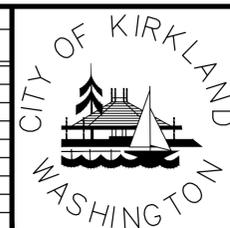


**Rainbow
CONSULTING**
LLC
MECHANICAL ENGINEERING

336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



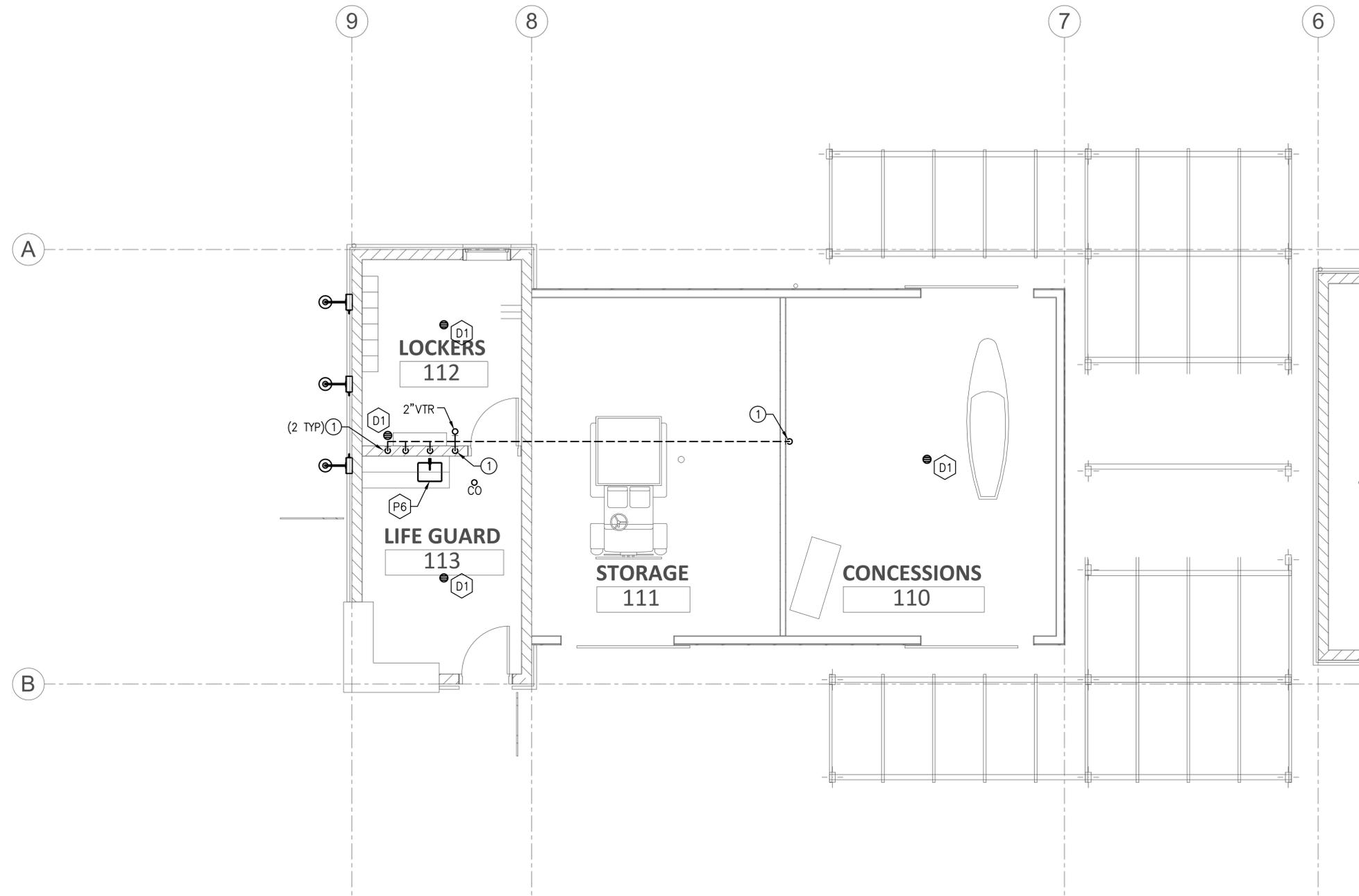
FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



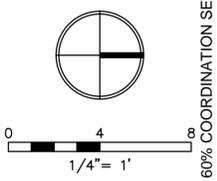
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
WASTE & VENT NORTH PLAN

SHEET
P1.1

KEY NOTES:
 ① 1½" V DOWN.



① SOUTH BUILDING - DRAIN, WASTE & VENT PLUMBING PLAN
 1/4" = 1'-0"



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

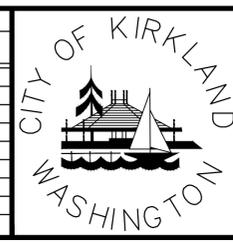


336 NW 50th Street, Seattle, WA 98107
 Phone: 206.235.6002
 rainbowconsulting-me.com



PATANO STUDIO ARCHITECTURE
 603 STEWART ST. SUITE 500
 SEATTLE, WA 98101

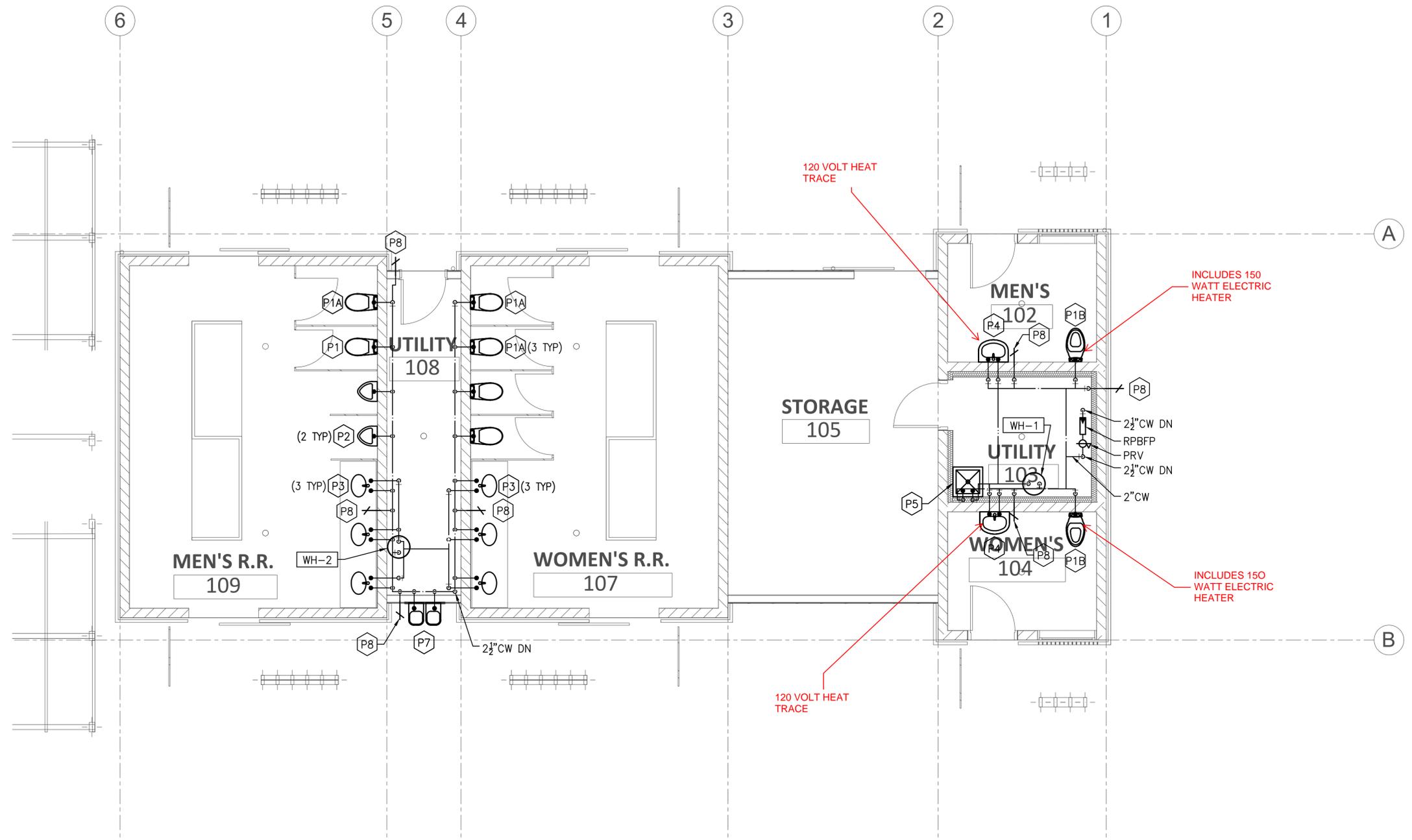
FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



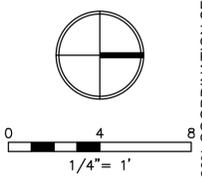
CITY OF KIRKLAND
 PUBLIC WORKS DEPARTMENT
 123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
 CPK 0119 100
 JUANITA BEACH PARK
 BATHHOUSE REPLACEMENT
 WASTE & VENT SOUTH PLAN

SHEET
P1.2

CALL BEFORE YOU DIG: 1-800-424-5555



1 NORTH BUILDING - DOMESTIC WATER PLUMBING PLAN
1/4" = 1'-0"



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

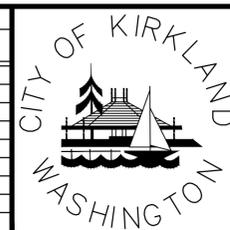
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE

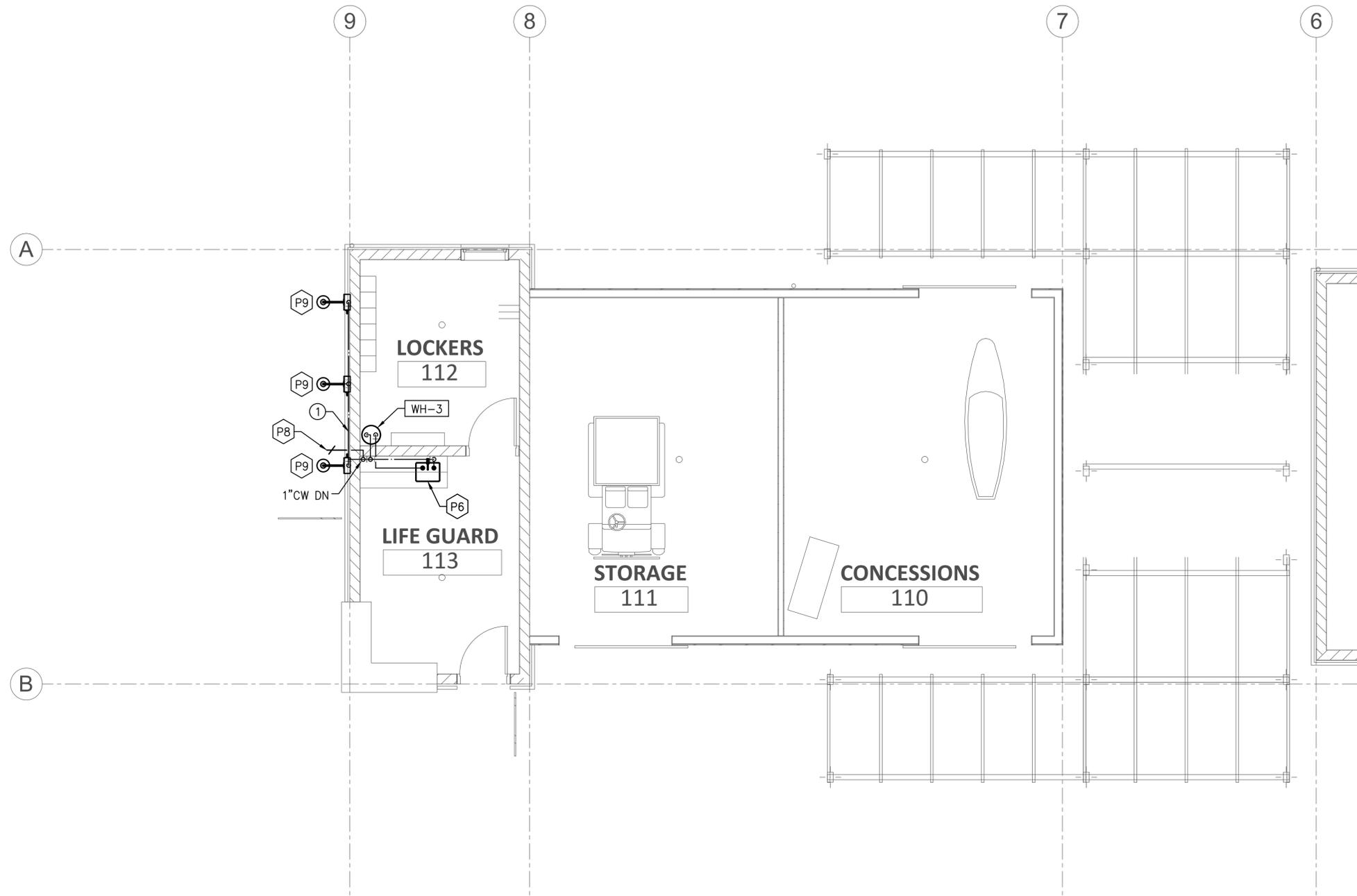


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
DOMESTIC WATER NORTH PLAN

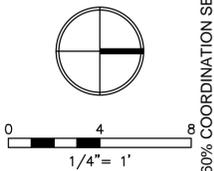
SHEET
P1.3

KEY NOTES:

- ① WATER LINE TO SHOWERS TO BE ROUTED WITHIN THE INTERSTITIAL SPACE BETWEEN THE CMU AND THE WOOD CLADDING.



① SOUTH BUILDING - DOMESTIC WATER PLUMBING PLAN
1/4" = 1'-0"



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



**Rainbow
consulting**
LLC
MECHANICAL ENGINEERING

336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



STEVEN P. RAINBOW
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
55615

FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
WASHINGTON

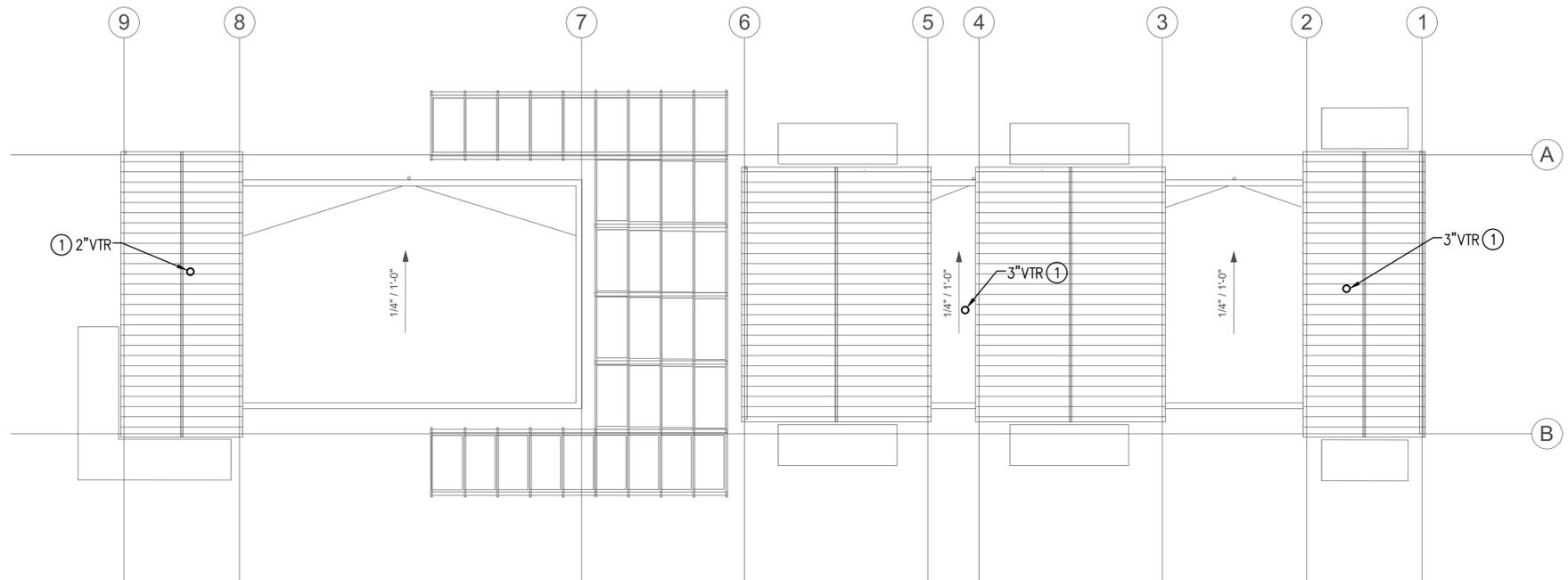
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
DOMESTIC WATER SOUTH PLAN

SHEET

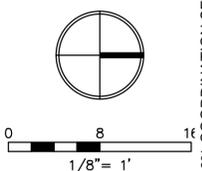
P1.4

KEY NOTES:

① FOR PLUMBING VENT TERMINATION INSTALLATION, REFER TO DETAIL 1 ON SHEET P2.1.



① BATHHOUSE - PLUMBING ROOF PLAN
1/8" = 1'-0"



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

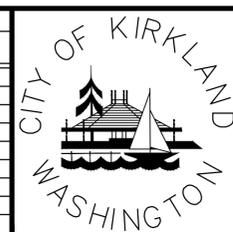
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



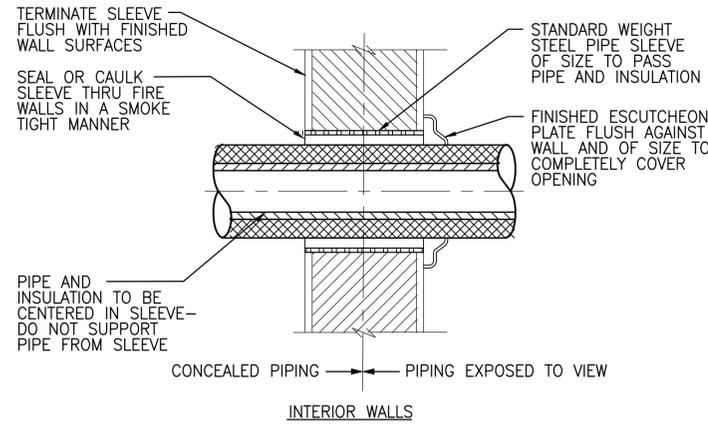
FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
PLUMBING ROOF PLAN

SHEET
P1.5

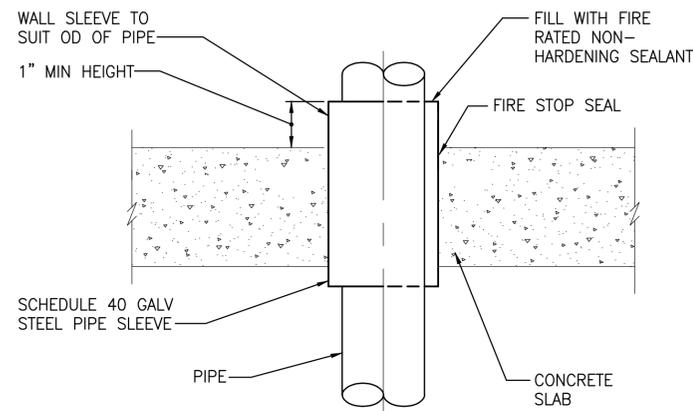
CALL BEFORE YOU DIG: 1-800-424-5555



PIPE SLEEVES THROUGH WALLS

SCALE: NONE

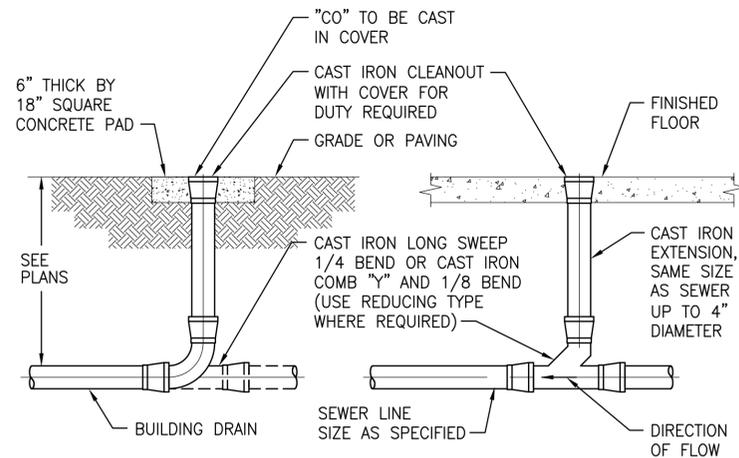
5



FLOOR SLEEVE

SCALE: NONE

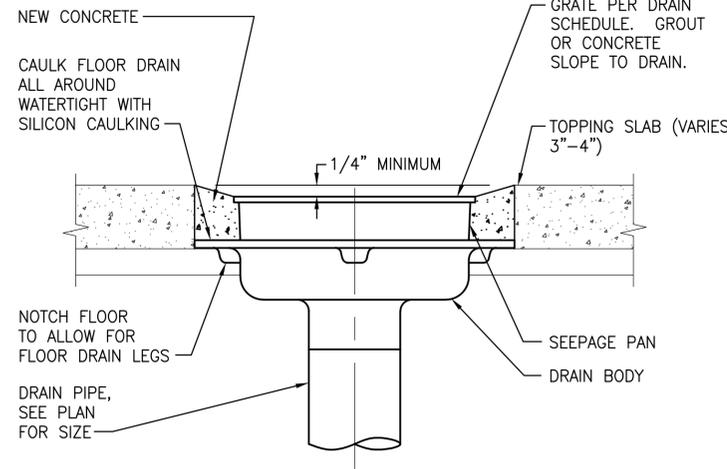
6



FLOOR CLEANOUTS

SCALE: NONE

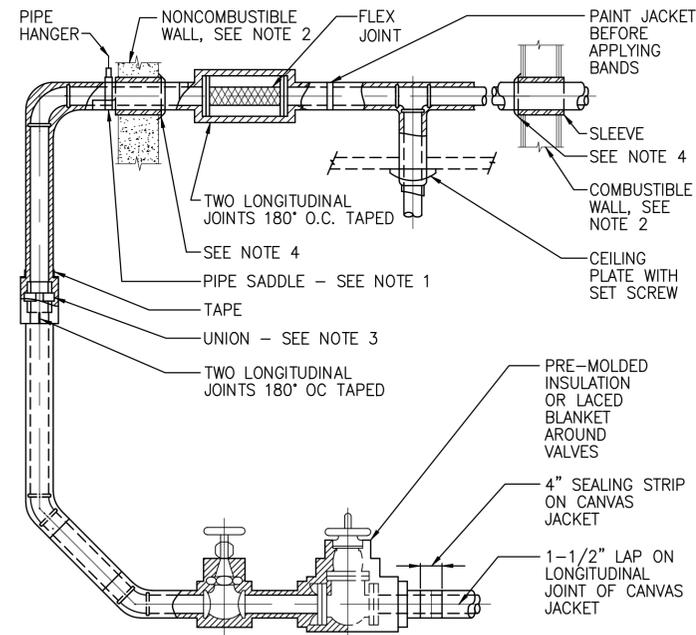
7



FLOOR DRAIN INSTALLATION

SCALE: NONE

3



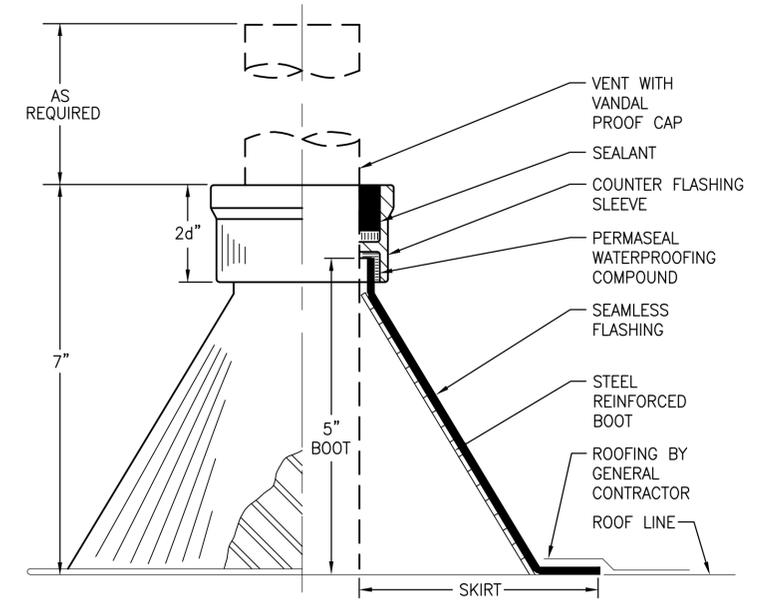
NOTES:

1. PIPE SADDLES REQUIRED ON ALL INSULATED LINES AT HANGERS.
2. INSULATION SHOULD BE CONTINUOUS THRU WALL WITH A 1/4" SPACE BETWEEN INSULATION AND SLEEVE UNLESS OTHERWISE SPECIFIED.
3. DO NOT INSULATE UNIONS IN HEATING SYSTEMS.
4. ESCUTCHEON PLATE IN AREAS EXPOSED TO VIEW.

PIPE INSULATION

SCALE: NONE

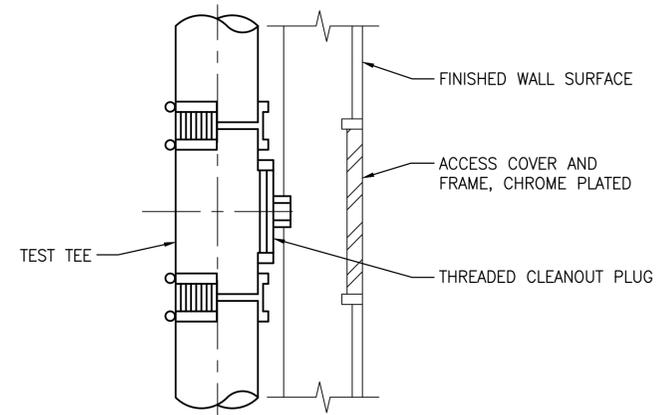
4



VENT THROUGH ROOF

SCALE: NONE

1



WALL CLEANOUTS

SCALE: NONE

2



PRELIMINARY
NOT FOR
CONSTRUCTION

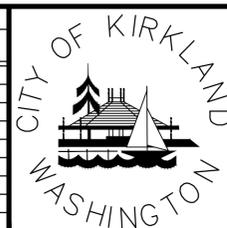
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE

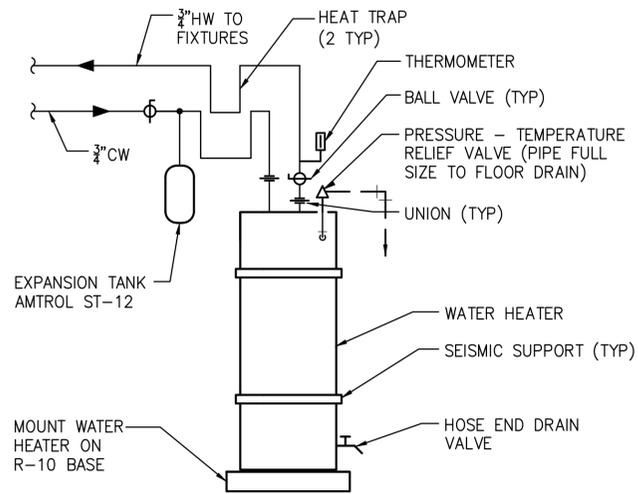


CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
PLUMBING DETAILS

SHEET

P2.1

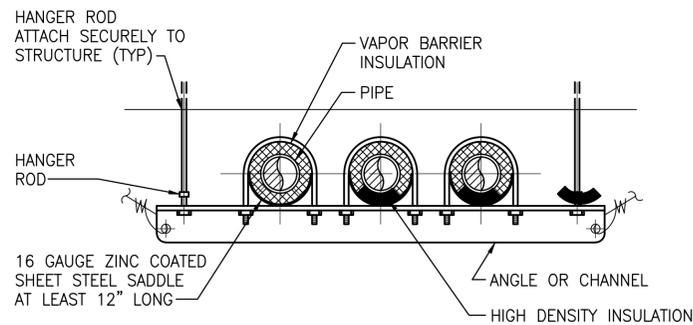
60% COORDINATION SET - NOT FOR CONSTRUCTION



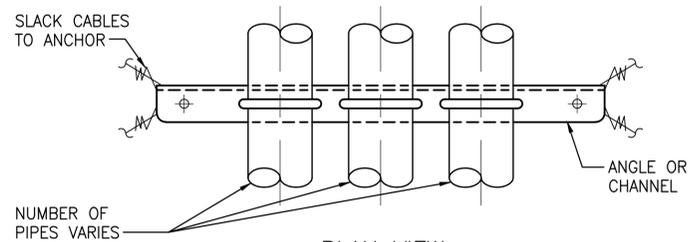
WATER HEATER PIPING

SCALE: NONE

5



SECTION

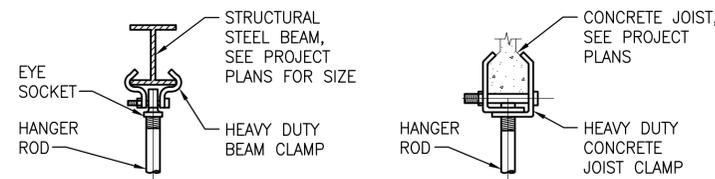


PLAN VIEW

TRAPEZE PIPE HANGER

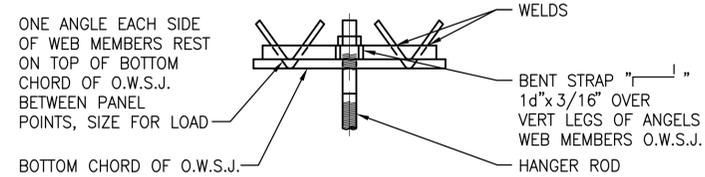
SCALE: NONE

6

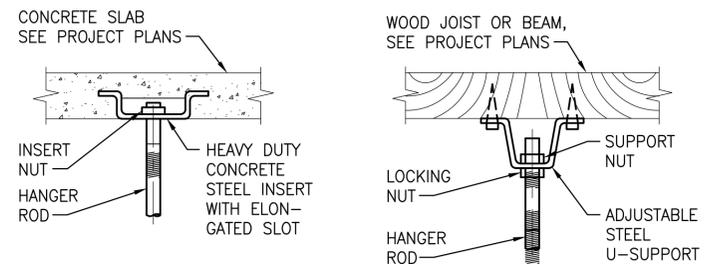


STEEL BEAM

CONCRETE JOISTS



STEEL JOISTS



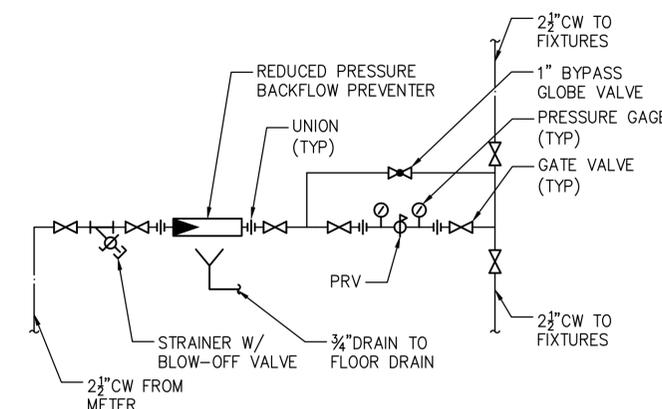
CONCRETE INSERT

WOOD JOISTS

HANGER ATTACHMENT TO STRUCTURE

SCALE: NONE

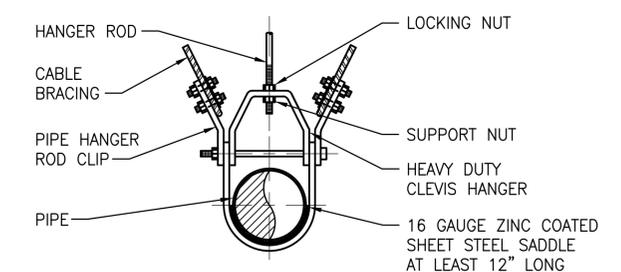
3



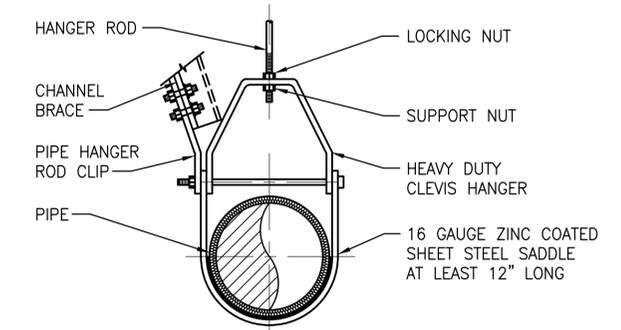
PRV/RBFP INSTALLATION

SCALE: NONE

4



CLEVIS HANGER WITH CABLE BRACING

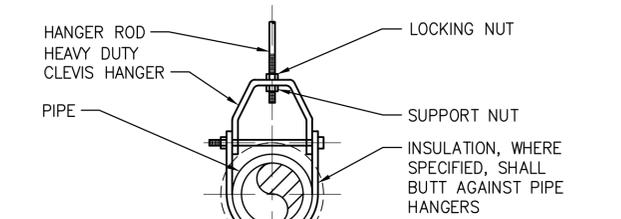


CLEVIS HANGER WITH CHANNEL BRACING

SEISMIC PIPE SUPPORTS

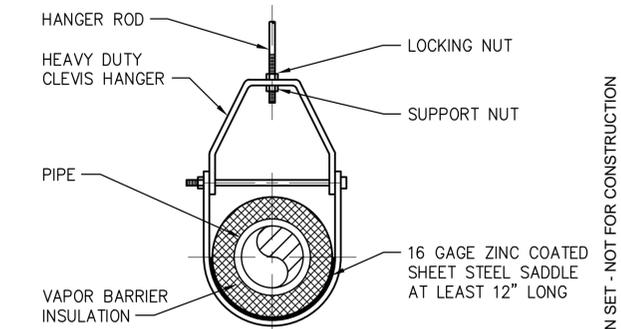
SCALE: NONE

1



CLEVIS HANGER

SINGLE HORIZONTAL RUNS, NO VAPOR BARRIER INSULATION



CLEVIS HANGER

SINGLE HORIZONTAL RUNS, VAPOR BARRIER INSULATION

PIPE SUPPORTS

SCALE: NONE

2

60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



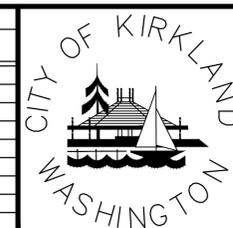
Rainbow CONSULTING LLC
MECHANICAL ENGINEERING

336 NW 50th Street, Seattle, WA 98107
Phone: 206.235.6002
rainbowconsulting-me.com



STEVEN P. RAINBOW
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
55615

FILE	ENGR.	REVIEW	SCALE	DATE
				2/6/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
PLUMBING DETAILS

SHEET
P2.2

ELECTRICAL SYMBOLS

LIGHTING

LUMINAIRE:
 XX - LUMINAIRE TYPE
 YY - CIRCUIT NUMBER
 XXE - LUMINAIRE TYPE ENDING IN E INDICATE BATTERY BACKUP

EM LUMINAIRE ON EMERGENCY CIRCUIT

EXIT SIGN, CEILING MOUNT
 REFER TO ARCHITECTURAL LIFE SAFETY PLAN FOR DIRECTION OF TRAVEL

EXIT SIGN, WALL MOUNT
 REFER TO ARCHITECTURAL LIFE SAFETY PLAN FOR DIRECTION OF TRAVEL

SURFACE MOUNT EMERGENCY LUMINAIRE

SURFACE MOUNT EMERGENCY/EXIT LUMINAIRE

RECESSED DOWNLIGHT

RECESSED WALL WASH LUMINAIRE

RECESSED ADJUSTABLE LUMINAIRE

SURFACE MOUNT LUMINAIRE

WALL MOUNT SCONCE

RECESSED LINEAR LUMINAIRE

RECESSED 1x4 LUMINAIRE

WALL MOUNT LINEAR LUMINAIRE

PENDANT MOUNT STRIP LUMINAIRE

SURFACE MOUNT STRIP LUMINAIRE

POLE MOUNT LUMINAIRE - SINGLE HEAD

POLE MOUNT LUMINAIRE - DOUBLE HEAD

WALL MOUNT POLE HEAD LUMINAIRE

SINGLE POLE SWITCH - SUBSCRIPT INDICATES SWITCHING DUTY. PROVIDE ONE SWITCH FOR EACH SWITCHING DUTY SHOWN.

DOUBLE POLE SWITCH

THREE-WAY SWITCH

KEY OPERATED SWITCH

SWITCH WITH OCCUPANCY SENSOR

SWITCH WITH PILOT LIGHT

SWITCH WITH TIMER

OCCUPANCY SENSOR, IR, CEILING MOUNT

OCCUPANCY SENSOR, DUAL TECHNOLOGY, 360° CEILING MOUNT

OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL MOUNT

CONTACTOR

RELAY

DAYLIGHT SENSOR

RECEPTACLES

DUPLX RECEPTACLE - NEMA 5-15R (NEMA 5-20R FOR DEDICATED CIRCUIT)

DUPLX RECEPTACLE - ABOVE COUNTER. COORDINATE W/ ARCH. ELEVATIONS

DUPLX RECEPTACLE - DEDICATED (NEMA 5-20R)

DUPLX RECEPTACLE - WEATHERPROOF W/LOCKING COVER

DUPLX RECEPTACLE - GROUND FAULT CIRCUIT INTERRUPTER

DOUBLE DUPLX RECEPTACLE

EQUIPMENT

PANELBOARD 120/208V OR 120/240V

CABINET - TYPE AS INDICATED ON PLAN

TRANSFORMER - SIZE AND VOLTAGE AS INDICATED ON PLAN

NON-FUSED DISCONNECT SWITCH - SIZE PER CONNECTED LOAD

FUSED DISCONNECT SWITCH - SIZE PER CONNECTED LOAD. PROVIDE FUSES PER EQUIPMENT NAMEPLATE.

EQUIPMENT CONNECTION

MECHANICAL EQUIPMENT CALLOUT.

ELECTRICAL RISER

GROUND

CIRCUIT BREAKER
 NUMBER INDICATED TRIP SETTING AND NUMBER OF POLES

PANELBOARD

CURRENT TRANSFORMER (CT)

UTILITY METER

SURGE PROTECTIVE DEVICE (SPD)

SPECIAL SYSTEMS

FIRE ALARM

MANUAL PULL STATION WITH GUARD

HORN/STROBE

HORN/STROBE - CEILING MOUNT

STROBE

STROBE - CEILING MOUNT

SMOKE DETECTOR

RACEWAYS

RACEWAY CONCEALED IN WALL OR CEILING, EXPOSED IN UNFINISHED AREAS

RACEWAY CONCEALED BELOW FLOOR

FLEXIBLE CONDUIT FIXTURE WHIP WITH CONDUCTORS

BRANCH CIRCUIT WIRING SHOWING CIRCUIT HOME RUN TO PANELBOARD. HASHMARKS SHOW QUANTITY OF CONDUCTORS WHEN MORE THAN THREE REQUIRED. DOT INDICATES GROUND CONDUCTOR. NEUTRAL CONDUCTOR SHOWN LARGER. PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT.

RACEWAY TURNING UP

RACEWAY TURNING DOWN

CIRCUIT CONTINUATION

LOW VOLTAGE WIRING

JUNCTION BOX

PULL BOX

ELECTRICAL ABBREVIATIONS

AF AMPERE FRAME	FACP FIRE ALARM CONTROL PANEL	PS PROJECTION SCREEN
AFF ABOVE FINISHED FLOOR	FDMR FIRE DAMPER	PTR PRINTER
AHU AIR HANDLING UNIT	FH FUME HOOD	PVC POLYVINYL CHLORIDE (PLASTIC)
AIC AMPERE INTERRUPTING CURRENT	FMT FLEXIBLE METALLIC TUBING	PWR POWER
AMP AMPERE	FU or F FUSE	QTY QUANTITY
AS AMPERE SWITCH	FVNR FULL VOLTAGE NON-REVERSING	RA FAN RETURN AIR FAN
ASV AIR SOLENOID VALVE	G GROUND	RECP RECEPTACLE
AT AMPERE TRIP	GALV GALVANIZED	REF REFRIGERATOR
ATS AUTOMATIC TRANSFER SWITCH	GC GOGGLE CABINET	REQD REQUIRED
AWG AMERICAN WIRE GAUGE	GD GARBAGE DISPOSAL	RH RANGE HOOD
BAS BUILDING AUTOMATION SYSTEM	GEC GROUNDING ELECTRODE CONDUCTOR	RMC RIGID METAL CONDUIT
BBO BACKBOARD OPERATOR	GEN GENERATOR	RNG RANGE
BL BLEACHERS	GFCI GROUND FAULT CIRCUIT INTERRUPTER	RSD ROLLING STEEL DOOR
BLDG BUILDING	GSV GAS SOLENOID VALVE	SDMPR SMOKE DAMPER
C CONDUIT	HH HAND HOLE	SF SUPPLY FAN
CAB CABINET	HID HIGH INTENSITY DISCHARGE	SOLV SOLENOID VALVE
CB CIRCUIT BREAKER	HP HORSEPOWER	SPD SURGE PROTECTIVE DEVICE
CCTV CLOSED CIRCUIT TELEVISION	HPF HIGH POWER FACTOR	SPEC SPECIFICATION
CKT CIRCUIT	HPS HIGH PRESSURE SODIUM	SPST SINGLE POLE, SINGLE THROW
CLG CEILING	HT HEAT TRACE	ST SHUNT TRIP
CM COFFEE MAKER	IH INSTAHOT	STD STANDARD
CMU CONCRETE MASONRY UNIT	IM ICE MACHINE	STL STEEL
CO CONDUIT ONLY	IWD INTERCOM WALL DISPLAY	SW SWITCH
COMM COMMUNICATION	J-BOX JUNCTION BOX	SWBD SWITCHBOARD
COP COPIER	kmil THOUSAND CIRCULAR MILS	SWG SWITCHGEAR
CT COOK TOP	kV KILOVOLT	TEL TELEPHONE
CT CURRENT TRANSFORMER	kVA KILOVOLT AMPERE	TEMP TEMPORARY
CU COPPER	kW KILOWATT	TP TRAP PRIMER
DCVA DOUBLE CHECK VALVE ASSEMBLY	kWh KILOWATT HOUR	TR TAMPER RESISTANT
DET DETAIL	MAX MAXIMUM	TTB TELEPHONE TERMINAL BOARD
DIA DIAMETER	MCC MOTOR CONTROL CENTER	TYP TYPICAL
DISC DISCONNECT	MFR MANUFACTURER	UC UNDER COUNTER
DSPD DISPOSAL	MECH MECHANICAL	UGND UNDERGROUND
DN DOWN	MH MANHOLE; METAL HALIDE	UH UNIT HEATER
DO DOOR OPERATOR	MIN MINIMUM	UL UNDERWRITERS LABORATORIES
DPST DOUBLE POLE, SINGLE THROW	ML MAGNETIC LOCK	UON UNLESS OTHERWISE NOTED
DRY DRYER	MLO MAIN LUGS ONLY	UPS UNINTERRUPTIBLE POWER SUPPLY
DW DISHWASHER	MTD MOUNTED	USB UNIVERSAL SERIAL BUS
DWG DRAWING	MTG MOUNTING	V VOLT
EA EACH	MW MICROWAVE	VA VOLT AMPERE
EF EXHAUST FAN	NEC NATIONAL ELECTRICAL CODE	VFD VARIABLE FREQUENCY DRIVE
EH ELECTRIC HEATER	NEUT NEUTRAL	VM VENDING MACHINE
EHD ELECTRIC HAND DRYER	NC NORMALLY CLOSED	W WATT
ELEC ELECTRIC	NC NOT IN CONTRACT	W/ WITH
ELEV ELEVATOR	NO NUMBER; NORMALLY OPEN	WAC WASHINGTON ADMINISTRATIVE CODE
EMT ELECTRICAL METALLIC TUBING	NTS NOT TO SCALE	WAS WASHER
EPO EMERGENCY POWER OFF	OD OVERHEAD (COILING) DOOR	W/D STACKED WASHER / DRYER
EQUIP EQUIPMENT	OF/CI OWNER FURNISHED / CONTRACTOR INSTALLED	WF WASH FOUNTAIN
EWC ELECTRIC WATER COOLER	OF/OI OWNER FURNISHED / OWNER INSTALLED	WM WASHING MACHINE
EWH ELECTRIC WATER HEATER	PF POWER FACTOR	W/O WITHOUT
EWS ELECTRIC WINDOW SHADE	PH or Ø PHASE	WON WON DOOR
EXIST EXISTING	PV POST INDICATOR VALVE	WP WEATHERPROOF; WATERPROOFING
FA FIRE ALARM	PNL PANEL	XFMR TRANSFORMER
FAAP FIRE ALARM ANNUCIATOR PANEL	PROJ PROJECTOR	Z IMPEDANCE

DEVICE MOUNTING HEIGHTS

SPECIAL OUTLET HEIGHTS ARE SHOWN ON THE ELECTRICAL DRAWINGS OR ON THE ARCHITECTURAL DRAWINGS. IF SPECIAL OUTLET HEIGHTS ARE NOT SHOWN OR REQUIRED, THEN LOCATE OUTLETS AS NOTED BELOW. OUTLET HEIGHTS ARE MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE OUTLET UNLESS OTHERWISE NOTED.

RECEPTACLES	18 INCHES VERTICALLY MOUNTED
LIGHT SWITCHES	48 INCHES VERTICALLY MOUNTED
TELEPHONE OUTLET - DESK	18 INCHES VERTICALLY MOUNTED
TELEPHONE OUTLET - WALL	54 INCHES VERTICALLY MOUNTED
COMPUTER OUTLET - DESK	18 INCHES VERTICALLY MOUNTED
FIRE ALARM PULL STATION	48 INCHES
CATV OUTLET	18 INCHES VERTICALLY MOUNTED
FIRE ALARM HORN, STROBE OR HORN/STROBE	NOT LESS THAN 80" OR GREATER THAN 96" TO THE BOTTOM
FIRE ALARM CONTROL PANEL	72 INCHES

- COORDINATE ROUGH-IN WITH ARCHITECTURAL ELEVATIONS.
- WHERE A CONFLICT EXISTS, THE ARCHITECTURAL ELEVATIONS GOVERN.

DRAWING INDEX

SHEET NUMBER	DESCRIPTION
E0.1	COVER SHEET
E0.2	GENERAL NOTES
E0.3	LUMINAIRE SCHEDULE
E1.1	SITE PLAN - DEMO
E1.2	SITE PLAN - NEW
E2.1	BATH HOUSE LIGHTING PLAN
E3.1	BATH HOUSE POWER AND SYSTEMS PLAN
E4.1	PAVILLION LIGHTING AND POWER PLAN
E5.1	ONE-LINE DIAGRAM
E6.1	PANEL SCHEDULE

60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

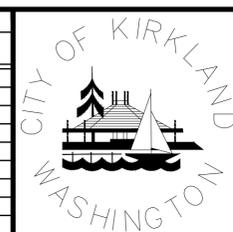
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



1601 Fifth Avenue, Suite 900 | Seattle, WA 98101
ph 206.623.0717 | fax 206.624.3775
coffman.com
LASTING creativity | results | relationships



FILE	ENGR.	REVIEW	SCALE	DATE
	BR	CB	NONE	2/15/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243

CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
COVER SHEET

SHEET
E0.1

CALL BEFORE YOU DIG: 1-800-424-5555

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY TO ALL DRAWINGS

- ITEMS NOTED AS "TYPICAL" ON ANY DRAWING REFERS TO ALL DRAWINGS.
- PROVIDE NYLON PULL STRING IN ALL EMPTY RACEWAYS.
- NO STRUCTURAL MEMBERS SHALL BE CUT OR ALTERED WITHOUT PRIOR APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- ALL RACEWAYS WITHIN THE BUILDING SHALL BE RUN OVERHEAD U.O.N. RACEWAYS SHALL NOT BE RUN UNDER THE FLOOR SLAB UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS.
- NO RACEWAYS SHALL BE RUN IN FLOOR SLABS.
- FIRST FLOOR HOMERUNS (TO THE FIRST DEVICE) MAY BE RUN UNDER THE SLAB IN 1" PVC.
- LOCATIONS OF ALL WALL MOUNTED DEVICES ARE SHOWN SCHEMATICALLY. COORDINATE WITH THE ARCHITECTURAL DRAWINGS, ELEVATIONS AND CASEWORK SUPPLIERS SHOP DRAWINGS FOR EXACT LOCATION OF DEVICES PRIOR TO ROUGH-IN.
- ALL RACEWAYS IN FINISHED SPACES SHALL BE CONCEALED.
- PROVIDE 2" EMT SLEEVES FOR LOW VOLTAGE WIRING RUNNING THROUGH NON-RATED WALLS, FLOORS AND CEILINGS.
- PROVIDE STI "EZ-PATH" ASSEMBLIES AT EACH LOCATION WHERE LOW VOLTAGE WIRING PENETRATES A RATED WALL OR CEILING. ASSUME 50 ARE TO BE PROVIDED.
- SEAL ALL PENETRATIONS IN RATED FLOORS AND CEILINGS WITH A UL APPROVED FIRE STOP SYSTEM.
- PROVIDE A COMPLETE DESIGN-BUILD PATHWAY SYSTEM FOR ALL SPECIAL SYSTEMS WIRING. SEE SPECIFICATIONS. QUANTITY AND SIZE OF RACEWAYS SHOWN ON SPECIAL SYSTEMS PLANS ARE THE MINIMUM TO BE PROVIDED. CONTRACTOR SHALL PROVIDE ALL RACEWAYS AS REQUIRED.
- ALL LOW VOLTAGE WIRING NOT RUN IN A METALLIC RACEWAY SHALL BE PLENUM RATED.
- ALL EQUIPMENT, LUMINAIRES, RACEWAYS, DEVICES, ETC. SHALL BE UL LISTED.
- MOUNT ALL DEVICES ABOVE COUNTERS 6" ABOVE BACKSPASH UNLESS NOTED OTHERWISE.
- WHERE A CONFLICT EXISTS THE MOST EXPENSIVE OPTION SHALL GOVERN.
- PROVIDE ALL RACEWAYS AND WIRING REQUIRED TO INSTALL ELECTRONIC DOOR HARDWARE. REFER TO DOOR HARDWARE SPECIFICATIONS, SCHEDULES AND DIAGRAMS.

DEMOLITION PLANS

THE FOLLOWING GENERAL NOTES APPLY TO ALL DEMOLITION PLAN DRAWINGS

- THE CONTRACT DOCUMENTS DO NOT SHOW ALL REQUIRED DEMOLITION WORK. THE CONTRACTOR SHALL SURVEY THE EXISTING CONDITIONS AND ESTABLISH THE EXTENT OF DEMOLITION PRIOR TO BID.
- WHERE "ALL ELECTRICAL SYSTEMS" ARE NOTED TO BE REMOVED FROM AN AREA REMOVE ALL FIXTURES, DEVICES, EQUIPMENT, RACEWAYS, AND WIRING UNLESS OTHERWISE NOTED.
- REMOVE ALL ELECTRICAL DISTRIBUTION EQUIPMENT, RACEWAYS, AND CONDUCTORS AS SHOWN ON THE EXISTING ONE-LINE DIAGRAM.
- REMOVE ALL TEMPORARY WORK INSTALLED DURING THE COURSE OF CONSTRUCTION.
- REMOVE CONNECTIONS TO MECHANICAL EQUIPMENT AS SHOWN ON THE MECHANICAL DEMOLITION PLANS.
- EXISTING DEVICES TO BE DEMOLISHED SHOWN BOLD. REMOVE DEVICE, RACEWAY AND WIRING BACK TO SOURCE, UON.
- WHERE EXISTING RECEPTACLES ARE REMOVED, MAINTAIN CONTINUITY TO RECEPTACLES ON THE SAME CIRCUIT TO REMAIN.
- WHERE EXISTING LUMINAIRES ARE REMOVED, MAINTAIN CONTINUITY TO FIXTURES ON THE SAME CIRCUIT TO REMAIN.
- WHERE EXISTING LOW VOLTAGE DEVICES ARE REMOVED, MAINTAIN CONTINUITY TO OTHER DEVICES.

SITE PLANS

THE FOLLOWING GENERAL NOTES APPLY TO ALL SITE PLAN DRAWINGS

- COORDINATE ROUTING OF UNDERGROUND RACEWAYS WITH ALL NEW AND EXISTING UTILITIES. REFER TO CIVIL DRAWINGS.
- CONTRACT WITH A LOCATOR SERVICE TO MARK THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- ALL SITE LIGHTING RACEWAYS SHALL BE 1" C. U.O.N.
- ROUTE ALL SITE LIGHTING CIRCUITS VIA LIGHTING CONTROL PANEL.
- PROVIDE ALL REQUIRED CUTTING, PATCHING, EXCAVATION, COMPACTION, AND PATCHING FOR INSTALLATION OF UNDERGROUND RACEWAYS AND UTILITY SERVICES.
- BACKFILL ALL TRENCHES (INCLUDING THOSE FOR UTILITY SERVICES) WITH STRUCTURAL BACKFILL OR GRAVEL BORROW PER WSDOT STANDARDS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL COORDINATION WITH THE SERVING UTILITY COMPANIES INCLUDING COMPLETING AND SUBMITTING ALL NECESSARY APPLICATIONS FOR SERVICE.
- CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS AND EASEMENTS.

LIGHTING CONTROL PANELS (LCP)

- DOWNSTREAM OF A PANELBOARD WITH AN AIC RATING OF 14,000 ASYM OR LESS. LOCATE LCP A MINIMUM OF 2'-0" FROM THE PANELBOARD.
- DOWNSTREAM OF A PANELBOARD WITH AN AIC RATING GREATER THAN 14,000 ASYM. LOCATE A LCP A MINIMUM OF 10'-0" FROM THE PANELBOARD.

KITCHEN PLANS

- COORDINATE THE EXACT LOCATION OF ALL KITCHEN EQUIPMENT CONNECTIONS WITH FOOD SERVICE ROUGH-IN PLANS AND ARCHITECTURAL ELEVATIONS.
- VERIFY POWER AND ROUGH-IN REQUIREMENTS OF ALL KITCHEN EQUIPMENT WITH THE KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- ALL 15 AND 20 AMP RECEPTACLES IN THE KITCHEN SHALL BE GFCI TYPE.
- PROVIDE ALL ELECTRICAL CONNECTIONS AND WIRING AS SHOWN ON FOOD SERVICE ROUGH-IN PLANS AND SPECIFICATIONS.
- WIRING METHODS FOR CLASS 1 HOODS SHALL COMPLY WITH NFPA 96.
- ALL HEAT TRACE CIRCUITS BE FED WITH GFPE CIRCUIT BREAKERS.

EQUIPMENT CONNECTIONS

- VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER SHOP DRAWINGS PRIOR TO ROUGH-IN.
- INSTALL AND WIRE EQUIPMENT PER MANUFACTURER SHOP DRAWINGS.
- PROVIDE ALL RACEWAYS, WIRING AND ANCILLARY EQUIPMENT AS SHOWN ON MANUFACTURER SHOP DRAWINGS.
- PROVIDE HARDWIRED CONNECTION, RECEPTACLE OR FUSED DISCONNECT SWITCH AS SHOWN ON MANUFACTURER SHOP DRAWINGS.

LIGHTING PLANS

THE FOLLOWING GENERAL NOTES APPLY TO ALL LIGHTING PLAN DRAWINGS

- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LUMINAIRES.
- REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF EXTERIOR LUMINAIRES.
- COORDINATE THE FINAL LOCATION OF LUMINAIRES IN MECHANICAL ROOMS AND ATTIC SPACES TO AVOID CONFLICTS WITH DUCT WORK, PIPING, AND MECHANICAL EQUIPMENT.
- ROUTE ALL EXTERIOR LIGHTING CIRCUITS VIA LIGHTING CONTROL PANEL.
- INSTALL AND WIRE REMOTE BALLASTS AND DRIVERS. REFER TO LUMINAIRE SCHEDULE. MOUNT IN ACCESSIBLE LOCATIONS. SHOW LOCATIONS ON THE AS-BUILT DRAWINGS.

POWER PLANS

THE FOLLOWING GENERAL NOTES APPLY TO ALL POWER PLAN DRAWINGS

- CIRCUIT ALL FIRE/SMOKE DAMPERS AND SMOKE DAMPERS FROM NEAREST 120V EMERGENCY PANEL WITH 1/2" - 3#12. UTILIZE SPARE 20A-1P BREAKER PROVIDED. RECORD CIRCUITING ON AS-BUILT PANEL SCHEDULES AND DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR DAMPER LOCATIONS.
- COORDINATE LOCATIONS OF BAS CONTROL POWER WITH THE CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
- PRIOR TO ORDERING EQUIPMENT OR ROUGH-IN, COORDINATE WITH THE MECHANICAL CONTRACTOR TO ESTABLISH THE ACTUAL LOAD AND OVERCURRENT PROTECTION REQUIREMENTS FOR EACH PIECE OF EQUIPMENT.
- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR EQUIPMENT RATINGS AND FEEDER SIZES.
- PROVIDE DISCONNECT SWITCH OR COMBINATION STARTER FOR EACH PIECE OF EQUIPMENT AS SHOWN ON MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
- PRIOR TO ROUGH-IN OF ALL EQUIPMENT SPECIFIED BY OTHER DIVISIONS, COORDINATE WITH THE EQUIPMENT MANUFACTURER TO ESTABLISH ALL REQUIREMENTS FOR EACH PIECE OF EQUIPMENT.
- ALL EXTERIOR RECEPTACLES SHALL BE WP/GFCI.
- ALL VENDING MACHINE RECEPTACLES SHALL BE GFCI.
- ALL EXTERIOR DISCONNECTS/STARTERS SHALL BE NEMA 3R.
- ALL HOMERUNS OVER 75' SHALL BE #10 AWG MINIMUM.
- POWER AND SPECIAL SYSTEMS TO SHARE A COMMON FLOOR BOX.
- FEEDER ROUTING SHOWN IS APPROXIMATE. COORDINATE WITH MECHANICAL SYSTEMS AND BUILDING STRUCTURE. PROVIDE OFFSETS AS REQUIRED.
- ALL RECEPTACLES WITHIN 6 FEET OF A SINK SHALL BE GFCI TYPE.
- COORDINATE WITH THE ELEVATOR SHOP DRAWINGS AND THE ELEVATOR INSPECTOR PRIOR TO ROUGH-IN OF THE ELEVATOR MACHINE ROOM.
- ALL HEAT TRACE CIRCUITS SHALL BE FED WITH GFPE CIRCUIT BREAKERS.
- PROVIDE 120-1φ HARDWIRED CONNECTION TO EACH TRAP PRIMER FROM NEAREST ADJACENT RECEPTACLE UTILIZING 1/2" - 3#12. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS. RECORD CIRCUITING ON AS-BUILT PANEL SCHEDULES AND DRAWINGS.

DESIGN BUILD FIRE ALARM SYSTEM

- THE CONTRACTOR SHALL PROVIDE A COMPLETE DESIGN BUILD FIRE ALARM SYSTEM (DEVICES, RACEWAYS AND WIRING) PER THE FIRE MARSHAL'S REQUIREMENTS.
- PROVIDE THE FOLLOWING IN ADDITION TO THE REQUIREMENTS OF THE FIRE MARSHAL:
 - COMPLETE AREA SMOKE DETECTOR COVERAGE. FIRE SPRINKLERS CANNOT BE USED IN LIEU OF SMOKE DETECTORS.
 - PULL STATIONS AT ALL EXITS.
- THE CONTRACTOR'S SCOPE SHALL INCLUDE ALL NEW/REMODELED AREAS AND ANY REQUIRED UPGRADES TO THE EXISTING SITE/BUILDINGS.
- THE DEVICES AND RACEWAYS SHOWN ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY TO ASSIST THE CONTRACTOR IN PREPARING HIS BID. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETE DESIGN BUILD SYSTEM.
- THE CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING AND PAINTING REQUIRED TO ALLOW FOR INSTALLATION OF THE SYSTEM.
- FIRE ALARM SYSTEM WIRING SHALL BE RUN IN CONTINUOUS METALLIC RACEWAYS.

SYSTEMS PLANS

THE FOLLOWING GENERAL NOTES APPLY TO ALL SPECIAL SYSTEMS PLAN DRAWINGS

- MINIMUM RACEWAY SIZE SHALL BE 1" FOR TELECOMMUNICATIONS CABLING AND 3/4" FOR ALL OTHER SYSTEMS.
- ALL SPECIAL SYSTEMS WIRING EXCEPT FIRE ALARM SHALL BE RUN UTILIZING OPEN WIRING METHOD ABOVE ACCESSIBLE CEILINGS. PROVIDE METALLIC RACEWAYS FOR WIRING INSTALLED IN WALLS, ABOVE INACCESSIBLE CEILING, WHERE EXPOSED OR WHERE SUBJECT TO PHYSICAL DAMAGE. RACEWAY FILL SHALL NOT EXCEED 40%.
- FIRE ALARM SYSTEM WIRING SHALL BE RUN IN CONTINUOUS METALLIC RACEWAYS.
- PROVIDE ADDRESSABLE DUCT DETECTOR AT EACH FIRE/SMOKE DAMPER (FSD) AND SMOKE DAMPER (SD) LOCATION. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
- PROVIDE FA CONNECTION TO FIRE SPRINKLER TAMPER, FLOW, AND PRESSURE SWITCHES. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
- PROVIDE 3/4" A-C FIRE RETARDANT PLYWOOD ON ALL FOUR WALLS OF THE MDF AND EACH IDF. MOUNT 8' DIMENSION VERTICAL. PAINT FLAT WHITE.
- PROVIDE 1" C. FROM EACH FLOOR BOX TO ACCESSIBLE CEILING LOCATION. THIS IS IN ADDITION TO THE RACEWAYS SHOWN ON THE DRAWINGS.
- ALL EXTERIOR FIRE ALARM AND INTERCOM DEVICES SHALL BE WEATHERPROOF.
- PROVIDE EXTERIOR FIRE ALARM BELL AND STROBE AT LOCATION DIRECTED BY FIRE MARSHAL.
- PROVIDE CONNECTION TO FIRE SPRINKLER DOUBLE CHECK VALVE ASSEMBLIES AND PIV'S. REFER TO CIVIL/MECHANICAL DRAWINGS FOR LOCATIONS.
- STAPLES SHALL NOT BE USED TO SECURE LOW VOLTAGE CABLING.
- ALL CABLING NOT RUN IN A METALLIC RACEWAY SHALL BE PLENUM RATED.
- EXTERIOR INTERCOM SPEAKERS SHALL BE WEATHERPROOF AND VANDAL RESISTANT.

ONE-LINE DIAGRAM

- ALL FEEDERS ARE COPPER WITH THHN/THWN INSULATION.
- PROVIDE PULL BOXES AS REQUIRED BY THE NEC.
- SHORT CIRCUIT CURRENTS LESS THAN 10,000 ASYM FOR 208V PANELS AND 14,000 ASYM FOR 480V PANELS ARE NOT SHOWN.
- THE ONE-LINE DIAGRAM IS DIAGRAMMATIC AND DOES NOT SHOW THE ACTUAL ROUTING OF THE RACEWAYS.
- FOR TWO SECTION PANELS PROVIDE FULL SIZE FEEDER CONNECTIONS FROM SECTION 1 TO SECTION 2.
- THE ELECTRICAL DISTRIBUTION SECTION SHALL BE FULLY RATED. A SERIES RATED SYSTEM IS NOT ACCEPTABLE.
- ALL TRANSFORMERS ARE 480V 3 PHASE 3 WIRE PRIMARY: 208Y/120V 3 PHASE, 4 WIRE SECONDARY, NEMA TP-1 RATED, U.O.N.
- ALL TRANSFORMERS SHALL BE K-4 RATED, U.O.N.
- NOT ALL CIRCUIT BREAKERS ARE SHOWN. REFER TO PANEL AND SWITCHBOARD SCHEDULES FOR OTHER LOADS SERVED, AND SPARE CIRCUIT BREAKERS.
- CONTRACTOR TO PROVIDE COORDINATION STUDY PER SPECIFICATION SECTION 260673. ALL DISTRIBUTION SYSTEM EQUIPMENT SHALL BE RATED FOR THE AVAILABLE FAULT CURRENT AND SHALL BE LABELED WITH THE ARC FLASH HAZARD CATEGORY. ALL NEC 700 AND 701 PORTIONS OF THE DISTRIBUTION SYSTEM SHALL BE SELECTIVELY COORDINATED.
- SET ALL OVERCURRENT DEVICES PER THE COORDINATION STUDY.
- TEST ALL GROUND FAULT RELAYS AS REQUIRED BY THE WAC.
- TRANSFORMER SECONDARY CONDUCTORS SHALL BE NO MORE THAN 10-FEET LONG PER NEC ARTICLE 240.21 (C) 2.
- ALL CIRCUIT BREAKERS SERVING HID LIGHTING SHALL BE HID RATED.
- CIRCUIT BREAKERS
 - CIRCUIT BREAKERS RATED 800 AMPS OR MORE: PROVIDE ELECTRONIC TRIP UNIT WITH ADJUSTABLE LONG TIME, SHORT TIME AND INSTANTANEOUS (LSI) TRIP FUNCTIONS. PROVIDE GROUND FAULT PROTECTION (G) WHERE CALLED OUT ON THE ONE-LINE.
 - CIRCUIT BREAKERS RATED 1200 AMPS OR MORE: PROVIDE TRIP UNIT WITH A MAINTENANCE MODE SWITCH WITH LED INDICATOR LIGHT WHICH OVERRIDES THE TRIP SETTINGS IN ORDER TO MINIMIZE THE ARC FLASH HAZARD DURING MAINTENANCE.

BRANCH CIRCUIT WIRING

THE FOLLOWING GENERAL NOTES APPLY TO ALL DRAWINGS

- IN GENERAL ONLY CIRCUIT NUMBERS HAVE BEEN SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED RACEWAYS AND WIRING.
- SHOW ALL RACEWAYS AND WIRING ON AS-BUILT DRAWINGS.
- GENERAL:
 - MINIMUM RACEWAY SIZE SHALL BE 3/4".
 - NO MORE THAN 7 #12 AWG CONDUCTORS SHALL BE INSTALLED IN A RACEWAY.
 - HOMERUNS GREATER THAN 75 FEET TO THE FIRST DEVICE SHALL BE NO. 10 AWG.
 - LIGHTING, POWER, AND MECHANICAL EQUIPMENT CONDUCTORS SHALL NOT BE COMBINED IN THE SAME RACEWAY.
 - PROVIDE A GROUND CONDUCTOR IN ALL RACEWAYS.
 - PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT.
- LIGHTING:
 - PROVIDE CONDUCTORS AS REQUIRED TO PROVIDE CIRCUITING AND SWITCHING DUTY AS SHOWN ON THE DRAWINGS.
 - PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT.
- POWER:
 - PROVIDE CONDUCTORS AS REQUIRED TO PROVIDE CIRCUITING SHOWN.
 - FOR OTHER THAN 15 OR 20 AMP SINGLE PHASE RECEPTACLE BRANCH CIRCUITS PROVIDE A DEDICATED HOMERUN TO THE PANEL.
 - FOR 30 AMP BRANCH CIRCUITS PROVIDE #10 AWG CONDUCTORS.
 - FOR 40 AMP AND LARGER BRANCH CIRCUITS PROVIDE RACEWAYS AND WIRING AS SHOWN ON THE DRAWINGS.
 - PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT.
- MECHANICAL EQUIPMENT: PROVIDE RACEWAYS AND WIRING AS SHOWN ON THE MECHANICAL EQUIPMENT CONNECTION SCHEDULE.

WASHINGTON STATE NONRESIDENTIAL ENERGY CODE COMPLIANCE

- LIGHTING: THE CONTRACTOR SHALL PROVIDE A WRITTEN CERTIFICATION VERIFYING THAT ALL LAMPS AND BALLASTS HAVE BEEN PROVIDED PER THE SPECIFICATIONS. PROVIDE A LIST WHICH INDICATES THE EXACT PART NUMBER OF THE LAMP AND BALLAST PROVIDED FOR EACH FIXTURE TYPE. INCLUDE THE CERTIFICATION AND THE LAMP/BALLAST LIST IN THE O&M MANUAL.
- COMMISSIONING REQUIREMENTS: ALL LIGHTING CONTROLS INCLUDING 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 AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. SEQUENCE OF OPERATIONS SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE A WRITTEN STATEMENT CERTIFYING ALL LIGHTING CONTROLS HAVE BEEN COMMISSIONED. INCLUDE CERTIFICATION IN O&M MANUAL.
- TRANSFORMERS: THE MINIMUM EFFICIENCY OF ALL LOW VOLTAGE DRY-TYPE DISTRIBUTION TRANSFORMERS SHALL BE THE CLASS 1 EFFICIENCY LEVELS FOR DISTRIBUTION TRANSFORMERS SPECIFIED IN TABLE 4-2 OF THE "GUIDE FOR DETERMINING ENERGY EFFICIENCY FOR DISTRIBUTION TRANSFORMERS" PUBLISHED BY THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA TP-1, LATEST EDITION).



PRELIMINARY
NOT FOR
CONSTRUCTION

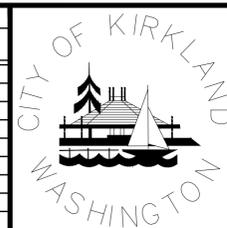
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



1601 Fifth Avenue, Suite 900 | Seattle, WA 98101
ph 206.623.0717 | fax 206.624.3775
coffman.com
LASTING creativity | results | relationships



FILE	ENGR.	REVIEW	SCALE	DATE
	BR	CB	NONE	02/15/2018
NO.	REVISION		BY	REVIEW DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243

CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
GENERAL NOTES

SHEET

E0.2

GENERAL NOTES

- REFER TO ADDITIONAL NOTES ON DRAWING E0.2.
- THE UNDERLINED LUMINAIRE IN THE SCHEDULE REPRESENTS THE "BASIS OF DESIGN". ALL OTHER MANUFACTURERS LISTED MUST MEET OR EXCEED ALL REQUIREMENTS OF THE BASIS OF DESIGN.
- VERIFY THE VOLTAGE OF ALL LUMINAIRES. REFER TO PLANS FOR SPECIFIC VOLTAGE REQUIREMENTS.
- ALL LUMINAIRES TO BE PROVIDED WITH ALL ROUGH-IN AND TRIM ASSEMBLIES FOR A COMPLETE INSTALLATION.
- ALL LUMINAIRES TO BE PROVIDED WITH A CUSTOM COLOR/FINISH AS SELECTED BY THE ARCHITECT, UNLESS OTHERWISE NOTED.
- ALL LUMINAIRES TO BE UL LISTED AND LABELED. EXTERIOR LUMINAIRES TO BE UL "WET" LABELED.
- LUMINAIRES SHALL BE PROVIDED WITH AN INTERNAL DISCONNECTING MEANS WHICH COMPLIES WITH NEC ARTICLE 410.
- ALL FLUORESCENT AND HID BALLASTS TO BE PROVIDED WITH AN IN-LINE FUSE.
- ALL LUMINAIRES TO HAVE AN INTEGRAL BALLAST UNLESS A REMOTE BALLAST IS SPECIFIED.
- TANDEM OR THROUGH-WIRED BALLASTS ARE NOT ALLOWED. PROVIDE A SEPARATE BALLAST FOR EVERY 4' LUMINAIRE "SECTION".
- PROVIDE WIRE GUARDS AND PLASTIC LAMP SLEEVES FOR ALL FLUORESCENT LINEAR STRIP LUMINAIRES.
- FOR HID LUMINAIRES FED FROM THE GENERATOR PROVIDE QUARTZ RESTRIKE WITH STANDBY TIME DELAY PER UL 1598. QUARTZ LAMP IS KEPT ON UNTIL THE HID LAMP REACHES 80% OF FULL LIGHT OUTPUT.
- ALL METAL HALIDE LAMPS/BALLASTS SHALL BE PULSE START.
- PROVIDE GLARE SHIELDS FOR ALL POLE MOUNTED LUMINAIRE.
- THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL INTERIOR ELEVATIONS AND THE CASEWORK MANUFACTURER SHOP DRAWINGS TO DETERMINE THE LENGTH OF UNDER CABINET LUMINAIRE.
- REFER TO ARCHITECTURAL ELEVATIONS TO DETERMINE PENDANT LENGTH.
- REFER TO THE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- AIM ADJUSTABLE LUMINAIRES AS DIRECTED BY THE ENGINEER.

LUMINAIRE SCHEDULE							
Type	Description	Lamp Type	Ballast/ Driver	Dimming Type	WATTS/VA	Manufacturer Information	Special Submittals
SLA1	<u>SURFACE MOUNTED LINEAR 4' LED LUMINAIRE</u> HEAVY GAUGE COLD ROLLED STEEL HOUSING AND LED PAN, CONTOURED FROSTED ACRYLIC LENS, BAKED WHITE ACRYLIC MATTE PAINT FINISH ETL LISTED, DAMP RATED	33W LED 3000K 4031 LUMENS	INTEGRAL DIMMING DRIVER	0-10V	33/33	<u>PHILIPS "FLUXSTREAM" SERIES</u> COLUMBIA "LCL" SERIES	
SLB1	<u>SUSPENDED INDUSTRIAL STRIP LED LUMINAIRE</u> 3.7" x 4.5" x 4' INDUSTRIAL LED STRIP LUMINAIRE WITH 1/8" CLEAR PRISMATIC LENS, ETL LISTED FOR WET LOCATION	41W LED 3000K 4035 LUMENS	INTEGRAL DRIVER	-	41/41	<u>KURTZON "WET-LOCK WL-B" SERIES</u>	
SLC1	<u>4" DIAMETER EXTERIOR LED CYLINDER LUMINAIRE</u> ONE PIECE ALUMINUM EXTRUSION, 5" LENGTH. FLOOD OPTICS	11W LED 3000K 850 LUMENS	INTEGRAL DRIVER	-	11/11	<u>LITON "DL340" SERIES</u>	
RLA1	<u>RECESSED MOUNTED 4" ROUND LED DOWNLIGHT LUMINAIRE</u> 18 GAUGE DIE-FORMED ALUMINUM HOUSING WITH STEEL MOUNTING FRAME, WIDE BEAM DISTRIBUTION, SMOOTH REFLECTOR, FINISH BY ARCHITECT UL LISTED, WET RATED	21W LED 3000K 2250 LUMENS	INTEGRAL DRIVER	-	21/21	<u>PHILIPS "CAL" SERIES</u> PATHWAY "4VLOD" SERIES	
WLA1	<u>WALL LED 2' LINEAR VANITY LUMINAIRE</u> HEAVY GAUGE EXTRUDED ALUMINUM HOUSING WITH FROSTED WHITE ACRYLIC LENS, NOMINAL 24" LENGTH X 3 1/4" HIGH X 3 1/4" DEEP HIGH OUTPUT, STANDARD POWDERCOAT FINISH AS SELECTED BY ARCHITECT	11W/FT LED 3000K 1886 LUMENS	INTEGRAL DRIVER	-	22/22	<u>BIRCHWOOD "NOI-LED-325" SERIES</u> LUMENWERX "QUAD WIDE" SERIES	
WLA2	<u>WALL LED 4' LINEAR VANITY LUMINAIRE</u> SAME AS WLA1 EXCEPT 4' LENGTH	11W/FT LED 3000K 1886 LUMENS	INTEGRAL DRIVER	-	44/44	<u>BIRCHWOOD "NOI-LED-325" SERIES</u> LUMENWERX "QUAD WIDE" SERIES	
WLB1	<u>WALL MOUNTED 3" DIAMETER EXTERIOR LED CYLINDER LUMINAIRE</u> ONE PIECE ALUMINUM EXTRUSION, 5" LENGTH. FLOOD OPTICS	6W LED 3000K 300 LUMENS	INTEGRAL DRIVER	-	6/6	<u>HK LIGHTING "ZXL16-WM" SERIES</u>	
WLC1	<u>WALL MOUNTED DIRECT/INDIRECT LINEAR LUMINAIRE</u> ONE PIECE ALUMINUM 49.6" X 6.5" FRAME, VANDAL PROOF WRAPAROUND RIBBED LENS.	50W LED 3000K 5500 LUMENS	INTEGRAL DRIVER	-	6/6	<u>NEW STAR "VICTORY 4 NARROW" SERIES</u>	
<p>SCHEDULE GENERAL NOTES: A. REFERENCE NOTES ON SHEET E0.2. B. MANUFACTURER INFORMATION BASED ON LUMINAIRE DESIGN SERIES; PART NUMBERS SHOULD BE BASED ON WRITTEN DESCRIPTION. C. FOR ALL LED LUMINAIRES, THE LUMEN VALUES LISTED IN THE LAMP TYPE COLUMN REPRESENT THE MINIMUM INITIAL OUTPUT REQUIRED. F. CONTRACTOR TO VERIFY CEILING COMPATIBILITY OF ALL LUMINAIRE TYPES PRIOR TO ORDERING.</p> <p>SCHEDULE NOTES: 1.</p>							

LIGHTING CONTROL PANEL: LCP 1					
RELAY NO.	CIRCUIT NO.	LV SWITCH	AREA CONTROLLED	CONTROL SCHEME	SCHEDULE NOTES
R1	1L1-18		PAVILION	TIMECLOCK VIA LCP.	
R2	1L1-16		EXTERIOR BUILDING MOUNTED	TIMECLOCK VIA LCP.	
R3	1L1-13	EF-1		TIMECLOCK VIA LCP.	
R4	1L1-15	EF-2		TIMECLOCK VIA LCP.	
R5	1L1-17	EF-3		TIMECLOCK VIA LCP.	
R6	1L1-12		DOCK LIGHTING	TIMECLOCK VIA LCP.	
R7	1L1-14		PARKING LOT	TIMECLOCK VIA LCP.	
R8			SPARE		
R9			SPARE		
<p>GENERAL NOTES 1. PROVIDE ADDITIONAL RELAYS AND/OR PROGRAMMING AS REQUIRED TO OVERRIDE ALL LIFE SAFETY BRANCH LIGHTING ZONES TO DELIVER 100% OUTPUT UPON LOSS OF NORMAL POWER. 2. PROVIDE CABINET ASSEMBLIES, BARRIERS AND ADDITIONAL COMPONENTS AS REQUIRED TO ENSURE THAT ALL THREE BRANCHES OF POWER (LIFE SAFETY, CRITICAL AND NORMAL) ARE KEPT ISOLATED FROM ONE ANOTHER.</p> <p>SCHEDULE NOTES 1.</p>					

SPECIAL REQUIREMENTS FOR ALL LED LUMINAIRES

- LUMINAIRES SHALL BE CERTIFIED BY ENERGY STAR, DESIGN LIGHTS CONSORTIUM, OR THE LIGHTING DESIGN LAB LED CERTIFICATION PROGRAM.
- MINIMUM CRI SHALL BE 80.
- MANUFACTURER SHALL PROVIDE A 5-YEAR WARRANTY.
- LUMINAIRES SHALL COMPLY WITH ROHS (RESTRICTION OF THE USE OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT) REGULATIONS. APPLICABLE FOR LEED PROJECTS ONLY.
- MINIMUM LUMENS PER WATT EFFICACY SHALL BE 65%.

SUBSTITUTIONS

- NO POST BID SUBSTITUTIONS WILL BE CONSIDERED.
- WHERE ONLY ONE MANUFACTURER IS LISTED, PRE-BID SUBSTITUTIONS WILL ONLY BE CONSIDERED IF A SAMPLE OF THE FIXTURE IS PROVIDED.

60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY NOT FOR CONSTRUCTION

PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101

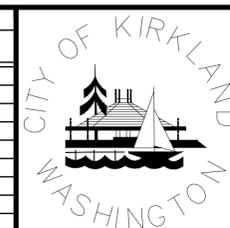


1601 Fifth Avenue, Suite 900 | Seattle, WA 98101
ph 206.623.0717 | fax 206.624.3775
coffman.com
LASTING creativity | results | relationships



2/15/2018

FILE	ENGR.	REVIEW	SCALE	DATE
	BR	CB	NONE	02/15/2018
NO.	REVISION	BY	REVIEW	DATE



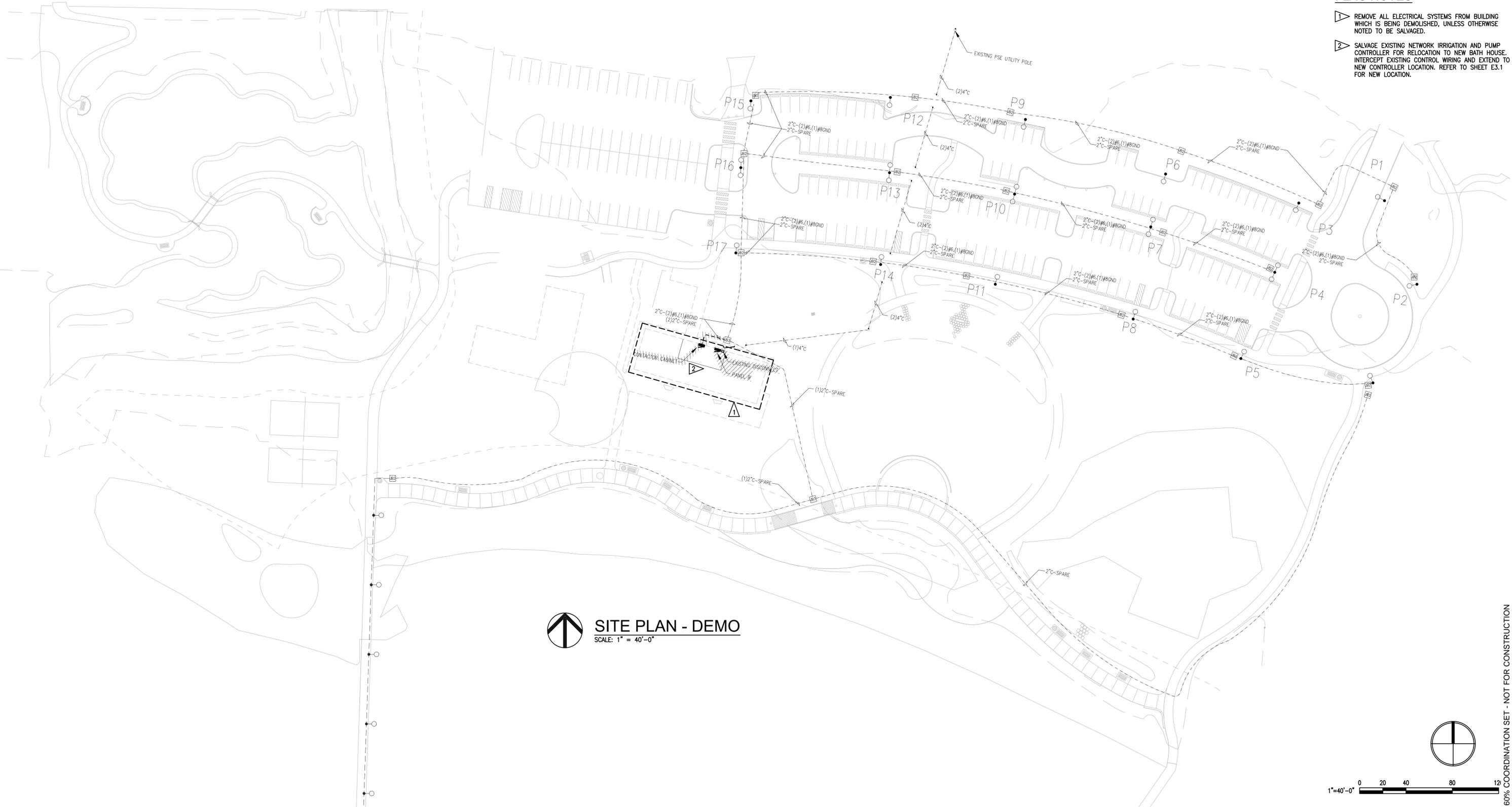
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
LUMINAIRE SCHEDULE

SHEET

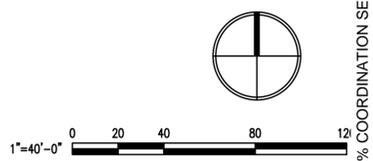
E0.3

FLAG NOTES

- 1 REMOVE ALL ELECTRICAL SYSTEMS FROM BUILDING WHICH IS BEING DEMOLISHED, UNLESS OTHERWISE NOTED TO BE SALVAGED.
- 2 SALVAGE EXISTING NETWORK IRRIGATION AND PUMP CONTROLLER FOR RELOCATION TO NEW BATH HOUSE. INTERCEPT EXISTING CONTROL WIRING AND EXTEND TO NEW CONTROLLER LOCATION. REFER TO SHEET E3.1 FOR NEW LOCATION.



SITE PLAN - DEMO
SCALE: 1" = 40'-0"



60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

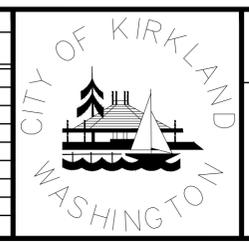
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



1601 Fifth Avenue, Suite 900 | Seattle, WA 98101
ph 206.623.0717 | fax 206.624.3775
coffman.com
LASTING creativity | results | relationships



FILE	ENGR.	REVIEW	SCALE	DATE
	BR	CB	1"=40'-0"	02/15/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
SITE PLAN - DEMO

SHEET
E1.1

CALL BEFORE YOU DIG: 1-800-424-5555

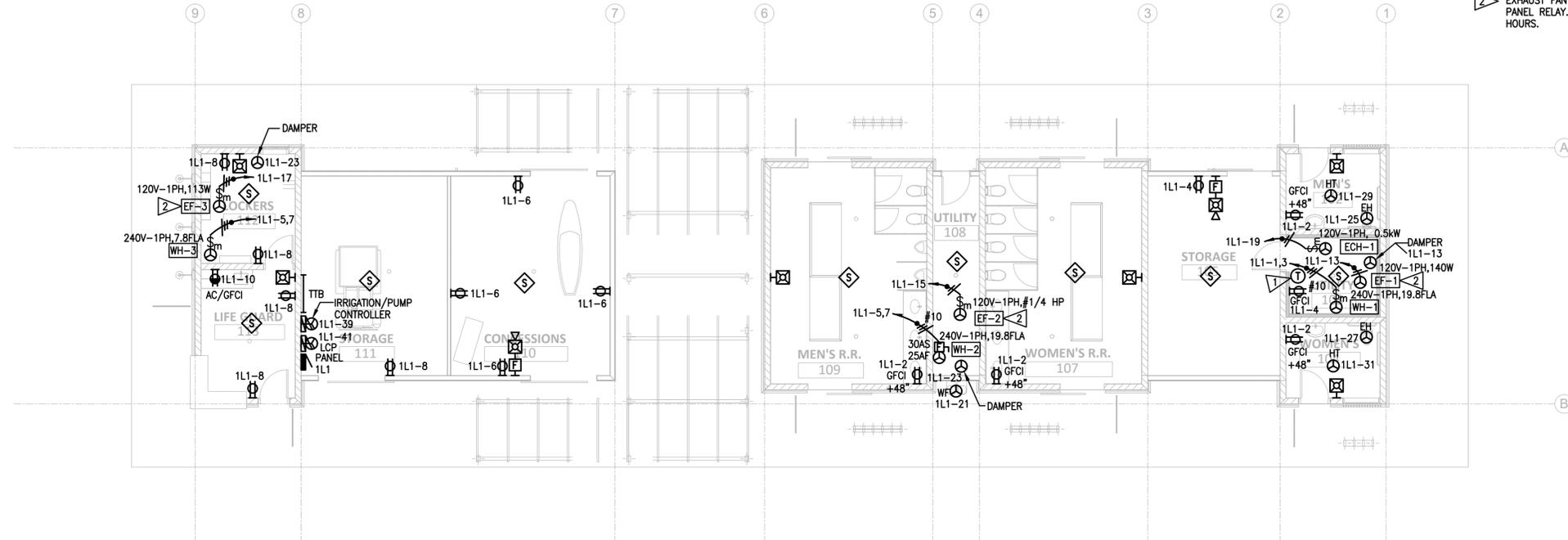
EQUIPMENT SCHEDULE						
ABBREVIATION	NAME	RATING	BRANCH CIRCUIT	CONNECTION	DISCONNECT	REMARKS
EH	ELECTRIC HEATER	120V-1Ø	1/2" - 3#12	HW	-	
HT	HEAT TRACE	120V-1Ø	1/2" - 3#12	HW	-	COORDINATE LOCATION WITH MECHANICAL. PROVIDE GFPE BREAKER.
WF	WATER FOUNTAIN	120V-1Ø	1/2" - 3#12	VERIFY	-	PROVIDE GFPE BREAKER.

NOTES:

- NOT ALL EQUIPMENT TYPES ARE UTILIZED ON THIS PROJECT.
- VERIFY REQUIREMENTS PRIOR TO ROUGH-IN.
- CONNECTIONS:
HW = HARD WIRED CONNECTION
VERIFY = PROVIDE RECEPTACLE OR HARDWIRED CONNECTION PER MANUFACTURER'S SHOP DRAWINGS.
- DISCONNECTS: PROVIDE PER MANUFACTURER'S SHOP DRAWINGS. PROVIDE HORSEPOWER RATED SWITCH (HRS) FOR SINGLE PHASE LOADS, 1/2 HP AND LESS.

FLAG NOTES

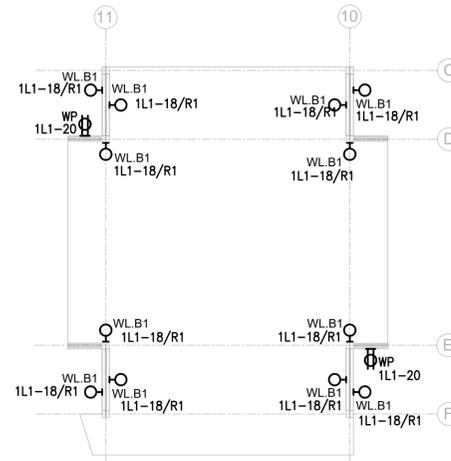
- 1 LINE VOLTAGE THERMOSTAT PROVIDE BRANCH CIRCUIT CONNECTION FROM ELECTRIC CEILING HEATER.
- 2 EXHAUST FAN TO OPERATE ON LIGHTING CONTROL PANEL RELAY. FAN TO BE ON DURING OCCUPIED HOURS.



CALL BEFORE YOU DIG: 1-800-424-5555

GENERAL NOTES

1. TYPICAL PAVILLION LAYOUT FOR BOTH PAVILLIONS.



TYPICAL PAVILLION LIGHTING AND POWER PLAN

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



1/8"=1'-0" 0 2 4 6 8 16 24

60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

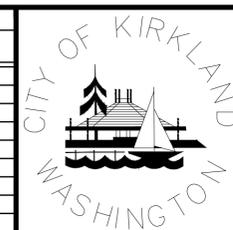
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



1601 Fifth Avenue, Suite 900 | Seattle, WA 98101
ph 206.623.0717 | fax 206.624.3775
coffman.com
LASTING creativity | results | relationships

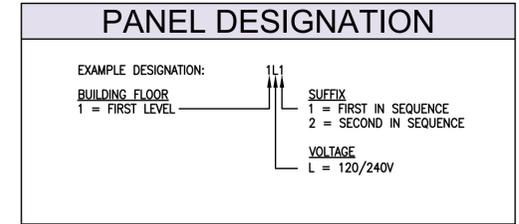


FILE	ENGR.	REVIEW	SCALE	DATE
	BR	CB	1/8"=1'-0"	2/15/2018
NO.	REVISION	BY	REVIEW	DATE



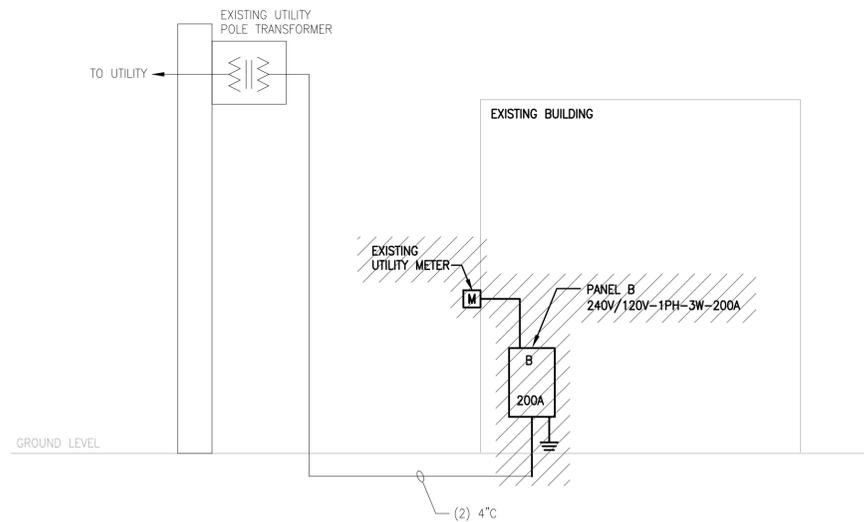
CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
PAVILLION LIGHTING & POWER

SHEET
E4.1

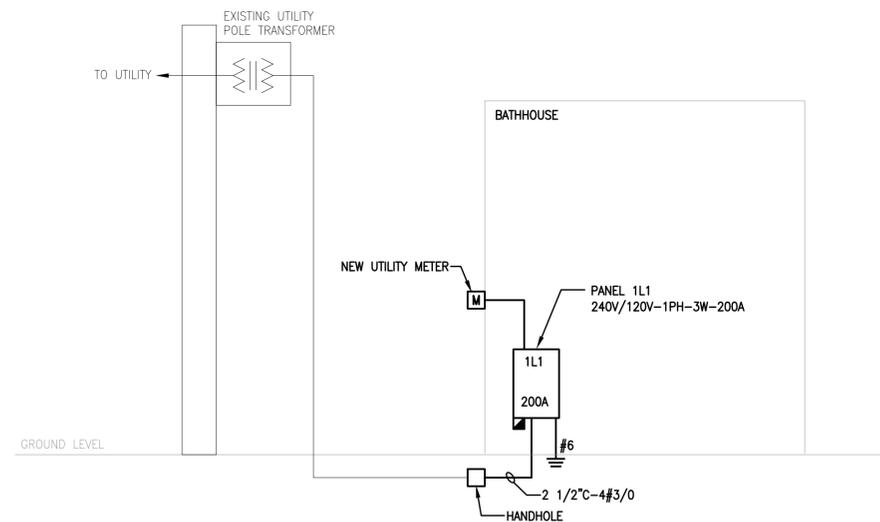


GENERAL NOTES

1. REFER TO SHEET E0.2.



1 ONE-LINE DIAGRAM - DEMO
E5.1 SCALE: NONE



2 ONE-LINE DIAGRAM
E5.1 SCALE: NONE

60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

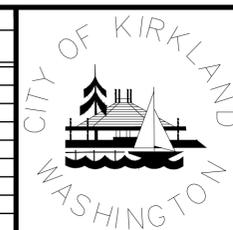
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



1601 Fifth Avenue, Suite 900 | Seattle, WA 98101
ph 206.623.0717 | fax 206.624.3775
coffman.com
LASTING creativity | results | relationships



FILE	ENGR.	REVIEW	SCALE	DATE
	BR	CB	NONE	2/15/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
ONE-LINE DIAGRAM

SHEET

E5.1

CALL BEFORE YOU DIG: 1-800-424-5555

Juanita Beach Park													PANEL SCHEDULE		NEW PANEL: 1L1		151092	
Location: UTILITY ROOM													Feed Through:		Source: UTILITY			
Ckt	Load Description	Phase	Amp	Poles	Notes	Rec.	Ltg.	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total	Specifications			
1	WH-1	A	30	2									2.00	2.00				
3	-	B	-	-									2.00	2.00	Rating (Amps): 200			
5	WH-2	A	30	2									2.00	2.00	Voltage (L-L): 240			
7	-	B	-	-									2.00	2.00	Phase: 1			
9	WH-3	A	20	2									0.75	0.75	Wire: 3			
11	-	B	-	-									0.75	0.75	Bus Material: Cu			
13	EF-1	A	20	1					0.14				0.14	0.14	Int. Rating: 10,000A			
15	EF-2	B	20	1					0.67				0.67	0.67	Main Lugs Only: -			
17	EF-3	A	20	1					0.11				0.11	0.11	Main Ckt Brkr: 200 A			
19	ECH-1	B	20	1									0.50	0.50				
21	WATER FOUNTAIN	A	20	1									0.50	0.50				
23	DAMPERS	B	20	1									0.15	0.15	Surface Mtd: X			
25	HEATER - MENS	A	20	1									0.15	0.15	Flush Mtd: -			
27	HEATER - WOMENS	B	20	1									0.15	0.15				
29	HEAT TRACE	A	20	1									1.00	1.00	Bonded Gnd: -			
31	HEAT TRACE	B	20	1									1.00	1.00	Isolated Gnd: -			
33	SPARE C.B.	A	20	1											200% Neutral: -			
35	SPARE C.B.	B	20	1											Feed Thru: -			
37	SPARE C.B.	A	20	1											Double Lug: -			
39	PUMP CONTROLLER	B	20	1									0.10	0.10	Top Feed: -			
41	LCP	A	20	1									0.10	0.10	Bottom Feed: -			
2	RECEPT - RESTROOMS	A	20	1					0.98					0.98				
4	RECEPT - STORAGE/UTILITY	B	20	1					0.36					0.36				
6	RECEPT - CONCESSIONS	A	20	1					0.72					0.72				
8	RECEPT - STORAGE/LIFE GUARD	B	20	1					0.90					0.90	Feed Thru Load: NONE			
10	RECEPT - LIFE GUARD	A	20	1					0.18					0.18	Phase A: -			
12	LTG - DOCK	B	20	1					1.00					1.00	Phase B: -			
14	LTG - PARKING	A	20	1					1.00					1.00				
16	LTG - BATH HOUSE	B	20	1					1.16					1.16	Total Conn.: -			
18	LTG - PAVILLION	A	20	1					0.14					0.14	Load From This Panel: -			
20	RECEPT - PAVILIONS	B	20	1					0.72					0.72	Phase A: 9.75			
22	SPARE C.B.	A	20	1											Phase B: 11.30			
24	SPARE C.B.	B	20	1														
26	SPARE C.B.	A	20	1											Total Conn.: 21.05			
28	SPARE C.B.	B	20	1											Total Connected Load: -			
30	SPARE C.B.	A	20	1											Phase A: 9.75			
32	SPARE C.B.	B	20	1											Phase B: 11.30			
34	SPARE C.B.	A	20	1														
36	SPARE C.B.	B	20	1											Total Conn.: 21.05			
38	SPD	A	30	3											Total Feeder Demand Load: -			
40	-	B	-	-											Total: 22.04 KW			
42	-	A	-	-											Avg. Amps/Phase: 92 A			
CATEGORY		TOTAL CONN. LOAD (KVA)		DEMAND FACTOR		DEMAND LOAD (KVA)		General Notes:						SERVICE ENTRANCE RATED PANEL.				
Receptacles		3.84		50%>10KVA		3.84												
Lighting		3.30		125%		4.13												
Kitchen Equipment				NEC 220.56														
Motors (Largest)		0.67		125%		0.84												
Motors		0.25		100%		0.25												
Heating				NEC 220.60														
Cooling				NEC 220.60														
Continuous Load				125%														
Non-Continuous Load		12.98		100%		12.98												
TOTAL		21.05				22.04												

60% COORDINATION SET - NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR
CONSTRUCTION

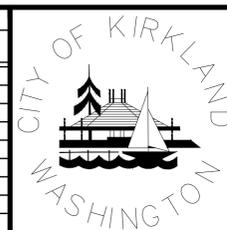
PATANO STUDIO ARCHITECTURE
603 STEWART ST. SUITE 500
SEATTLE, WA 98101



1601 Fifth Avenue, Suite 900 | Seattle, WA 98101
ph 206.623.0717 | fax 206.624.3775
coffman.com
LASTING creativity | results | relationships



FILE	ENGR.	REVIEW	SCALE	DATE
	BR	CB	NONE	2/15/2018
NO.	REVISION	BY	REVIEW	DATE



CITY OF KIRKLAND
PUBLIC WORKS DEPARTMENT
123 FIFTH AVENUE - KIRKLAND, WA 98033-6189 - (206)828-1243
CPK 0119 100
JUANITA BEACH PARK
BATHHOUSE REPLACEMENT
PANEL SCHEDULE

SHEET

E6.1