



MultiCare 👫 **Better**Connected Engineering Public Works PROJECT NAME: MultiCare **GSMOB** Women's Clinic T.I Phase 2 1450 5th St SE Puyallup, WA 98372 MARK DATE DESCRIPTION 5/8/2023 PERMIT SUBMITTAL #1 PROJECT NO. K. LANGLOIS DRAWN BY: 8 MAY 2023

SHEET TITLE:

3rd FLOOR

LIFE SAFETY

PLAN

InSight Healthcare Architecture

COPYRIGHT TO:

SHEET #:

A0.1





OWNI	ER:		
Μι	ulti0	Care	£
Bet	terC	onnec	te
	Development & ISSUE Building	Permitting Services D PERMIT Planning	
	Mult GS Wor Clin Pha	tiCare MOB men's ic T.I. ase 2	
MARK	DATE	DESCRIPTI	ON
	5/8/2023	PERMIT SUBM	ITTAL :
PROJE	CT NO.		3125
	PROJ MARK	PROJECT NAM Mult GS Wor Clin Pha 1450 5 Puyallup, MARK DATE	MultiCare BetterConnect City of Puyallup Development & Permitting Services (ISSUED PERMIT Building Planning Engineering Public Works) Fire Traffic PROJECT NAME: MultiCare GSMOB Women's Clinic T.I. Phase 2 1450 5th St SE Puyallup, WA 983 MARK DATE DESCRIPTI 5/8/2023 PERMIT SUBM

K. LANGLOIS DRAWN BY:

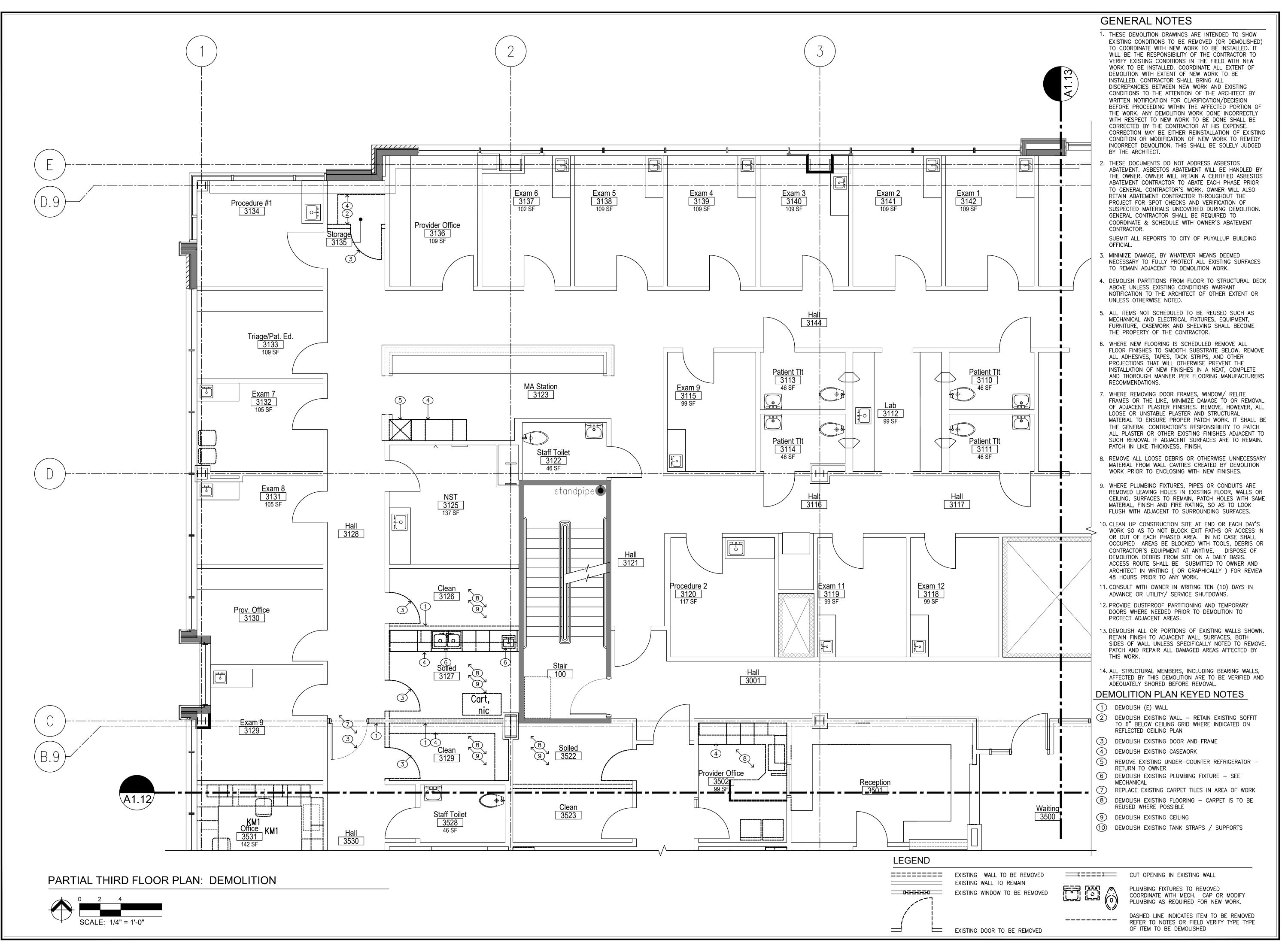
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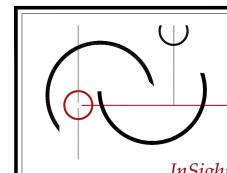
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SHEET TITLE: 3rd FLOOR PLAN

SHEET #:

A0.2





KLanglois@InsightDesignStudio.biz 12345 *Lake City Way NE #2108* Seattle, WA 98125 206-601-6645

REGISTERED ARCHITECT Larseal Langla's Karsea M. Langlois STATE OF WASHINGTON

OWNER:

MultiCare 🤼 **Better**Connected

City of Puyallup velopment & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire

PROJECT NAME:

MultiCare **GSMOB** Women's Clinic T.I Phase 2

MARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL
		040
PROJEC	CT NO.	3125

K. LANGLOIS DRAWN BY:

8 MAY 2023

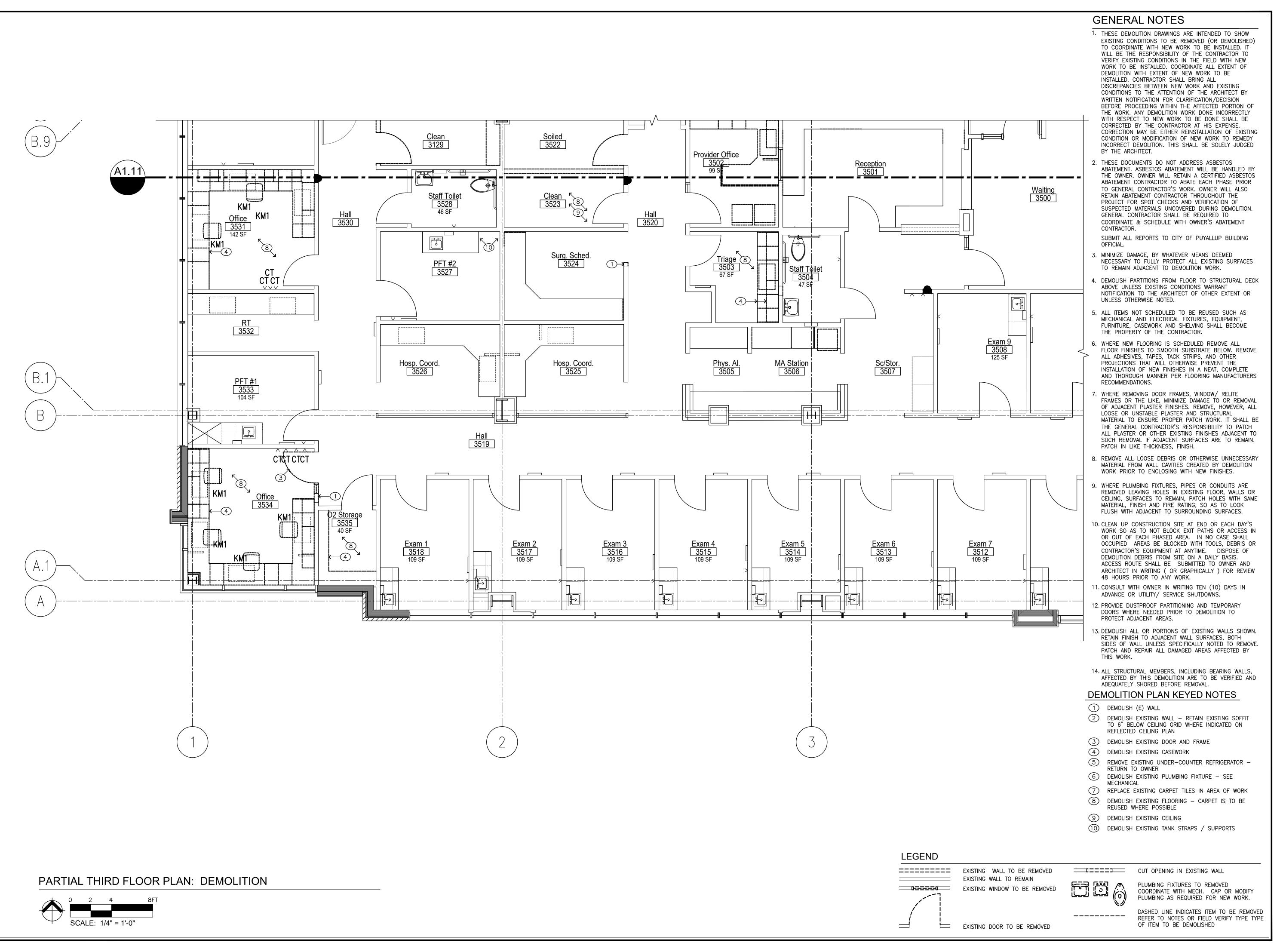
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SHEET TITLE:

PARTIAL THIRD FLOOR PLAN: DEMOLITION (NORTHWEST)

SHEET #:

A2.11



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REGISTERED ARCHITECT Larseal Longla's Karsea M. Langlois STATE OF WASHINGTON

OWNER:

MultiCare 🙃 **Better**Connected

City of Puyallup elopment & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic

PROJECT NAME:

MultiCare **GSMOB** Women's Clinic T.I Phase 2

1450 5th St SE Puyallup, WA 98372

Tayanap, W/ (000/2		
MARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL #1
DD○ IE	CT NO	31252
PROJECT NO.		01202

K. LANGLOIS DRAWN BY:

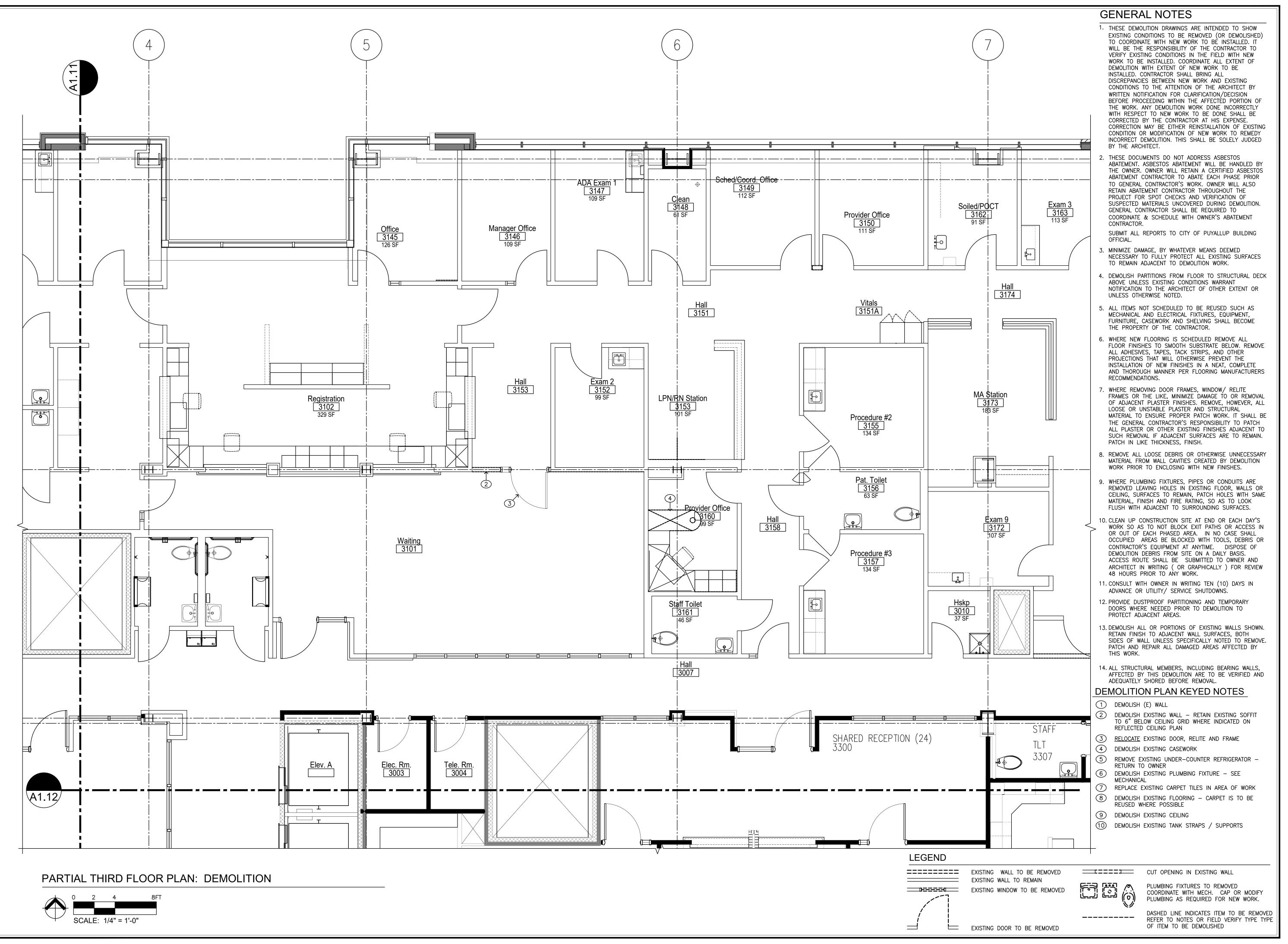
8 MAY 2023

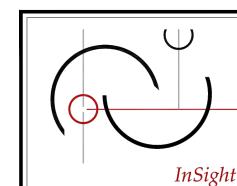
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SHEET TITLE:

PARTIAL THIRD

FLOOR PLAN: DEMOLITION (SOUTHWEST)





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REGISTERED ARCHITECT Larseal Langla's Karsea M. Langlois STATE OF WASHINGTON

OWNER:

MultiCare 🤼 **BetterConnected**

City of Puyallup elopment & Permitting Service ISSUED PERMIT Building Planning Engineering Public Works Fire

PROJECT NAME: MultiCare **GSMOB** Women's Clinic T.I Phase 2

	1450 5th St SE Puyallup, WA 98372		
MARK	DATE	DESCRIPTION	
	5/8/2023	PERMIT SUBMITTAL :	
PROJE	CT NO.	3125	

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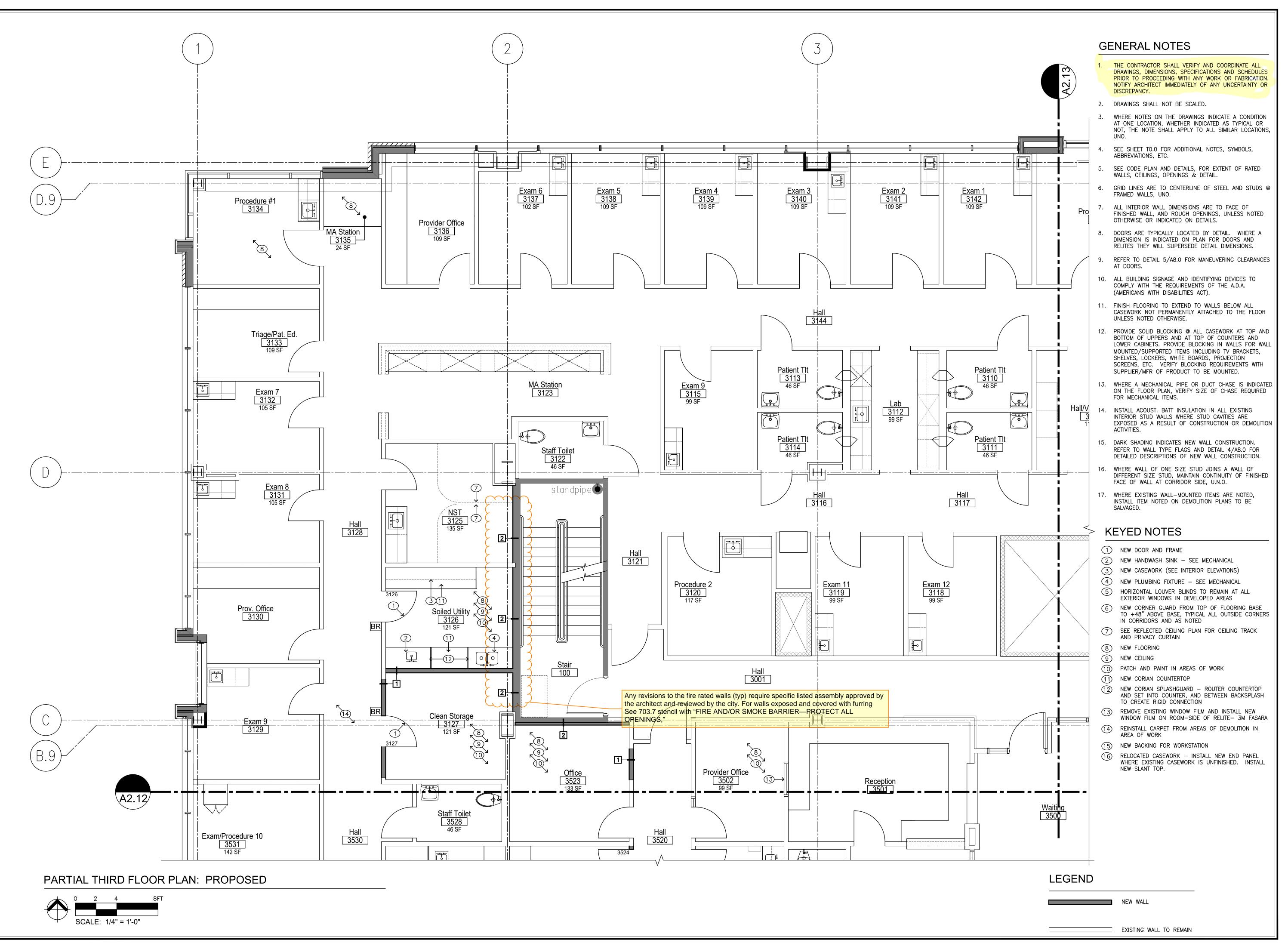
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InSight Healthcare Architecture SHEET TITLE:

PARTIAL THIRD FLOOR PLAN: DEMOLITION (NORTHEAST)

SHEET #:

A1.13



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MultiCare 👫 **Better**Connected

> City of Puyallup relopment & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire

PROJECT NAME:

MultiCare **GSMOB** Women's Clinic T.I Phase 2

1450 5th St SE

Pu	∕allup,	WA 98372
MARK	DATE	DESCRIPTION
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PROJE	CT NO	31252
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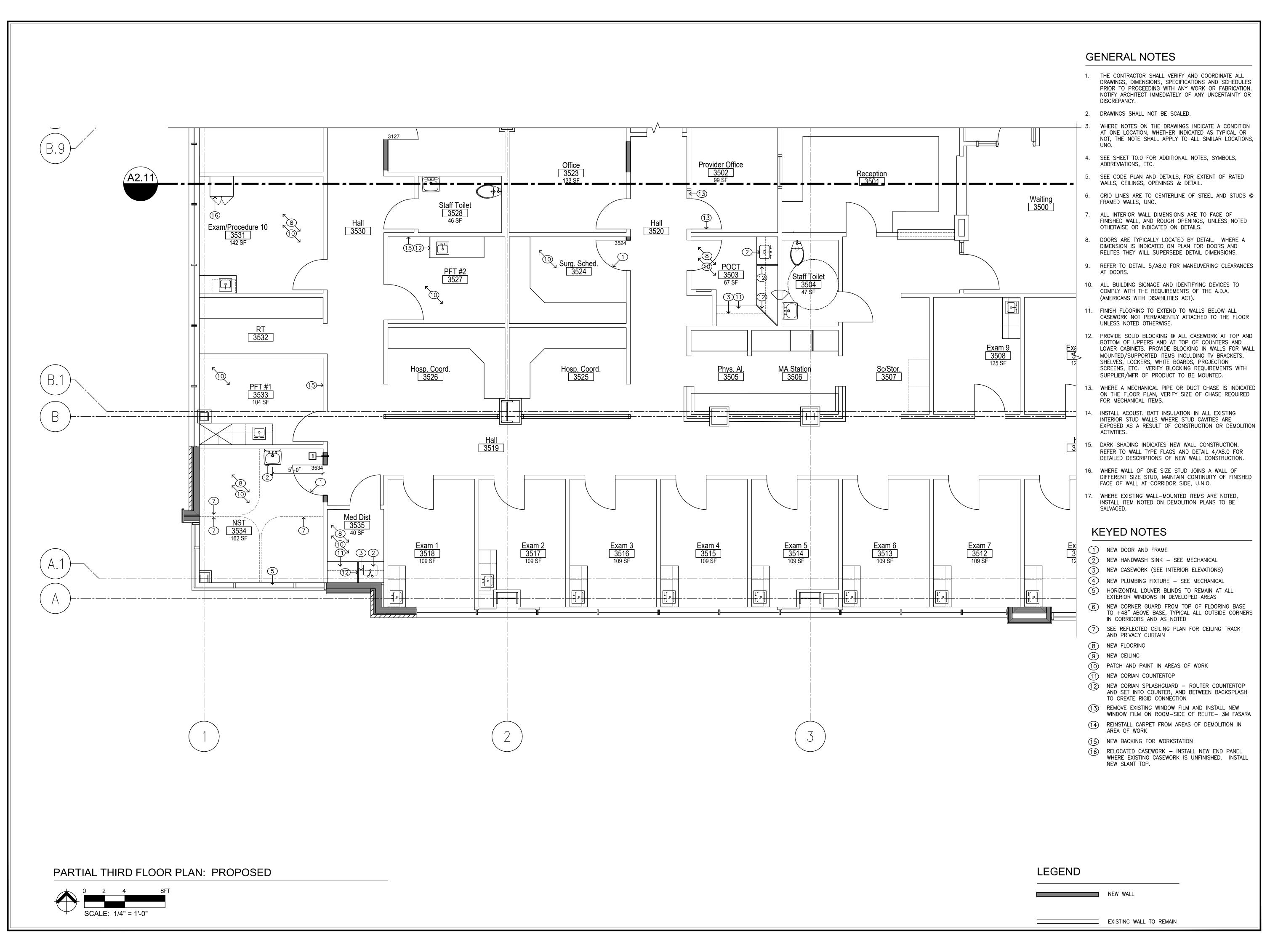
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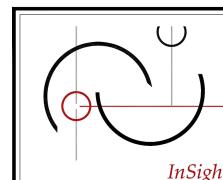
SHEET TITLE:

PARTIAL THIRD FLOOR PLAN: PROPOSED (NORTHWEST)

SHEET #:

A2.1





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MultiCare 🕰 **Better**Connected

City of Puyallup
velopment & Permitting Services
/ISSUED PERMIT

Building Planning Engineering Public Works

PROJECT NAME:

MultiCare **GSMOB** Women's Clinic T.I

4 4 C O C L C C C C C

1450 5th St SE Puyallup, WA 98372		
MARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL #1
PROJECT NO. 31252		

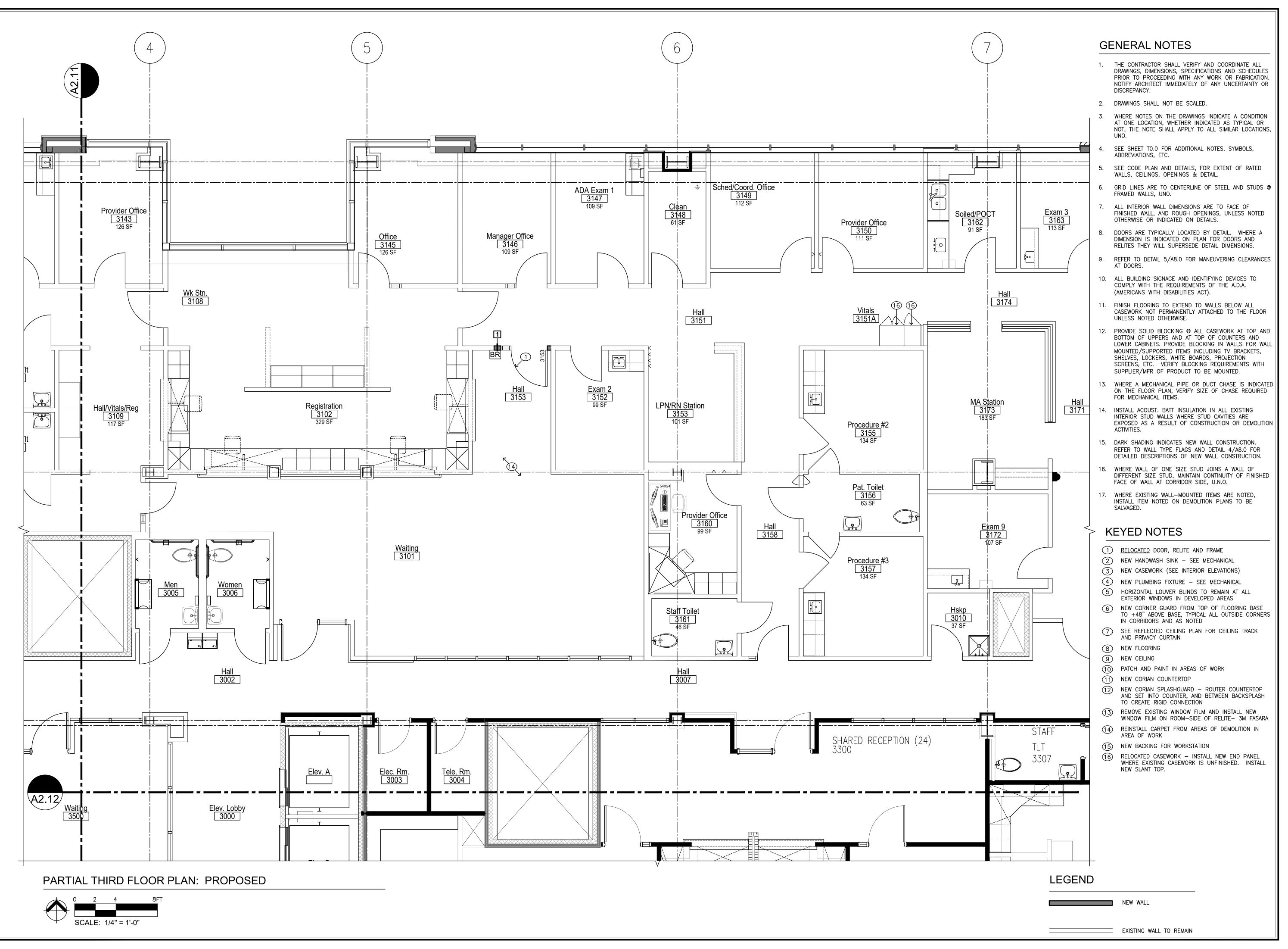
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SHEET TITLE:

PARTIAL THIRD FLOOR PLAN: PROPOSED (SOUTHWEST)





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Seattle, WA 98125

206-601-6645

OWNER:

MultiCare 👫 **Better**Connected

> City of Puyallup elopment & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire

PROJECT NAME:

MultiCare **GSMOB** Women's Clinic T.I Phase 2

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MARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL #1

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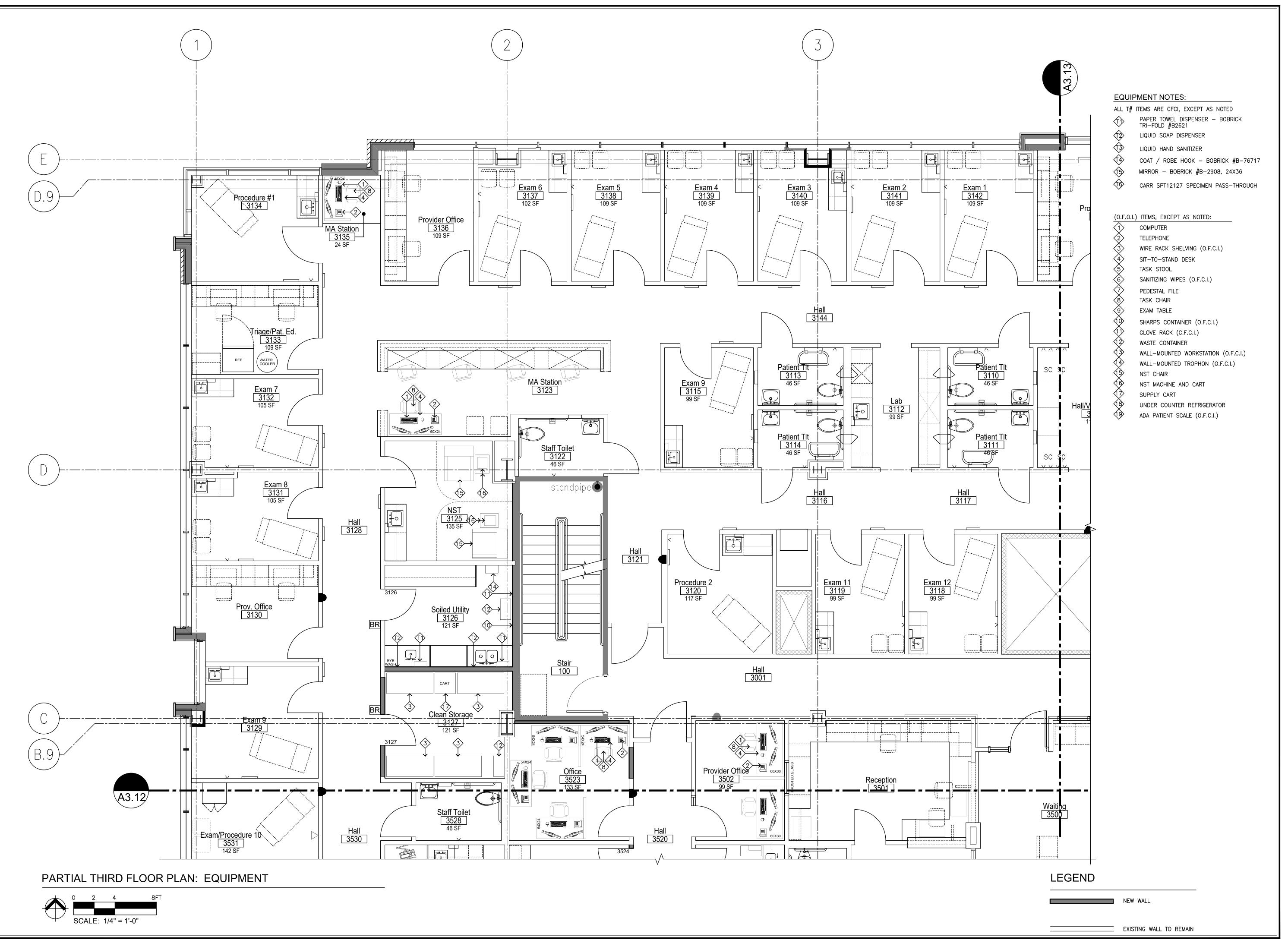
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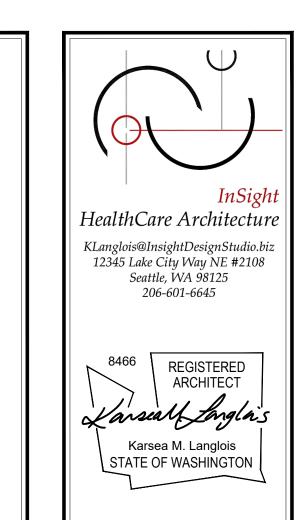
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PARTIAL THIRD FLOOR PLAN: PROPOSED

(NORTHEAST)







PROJECT NO. 31252

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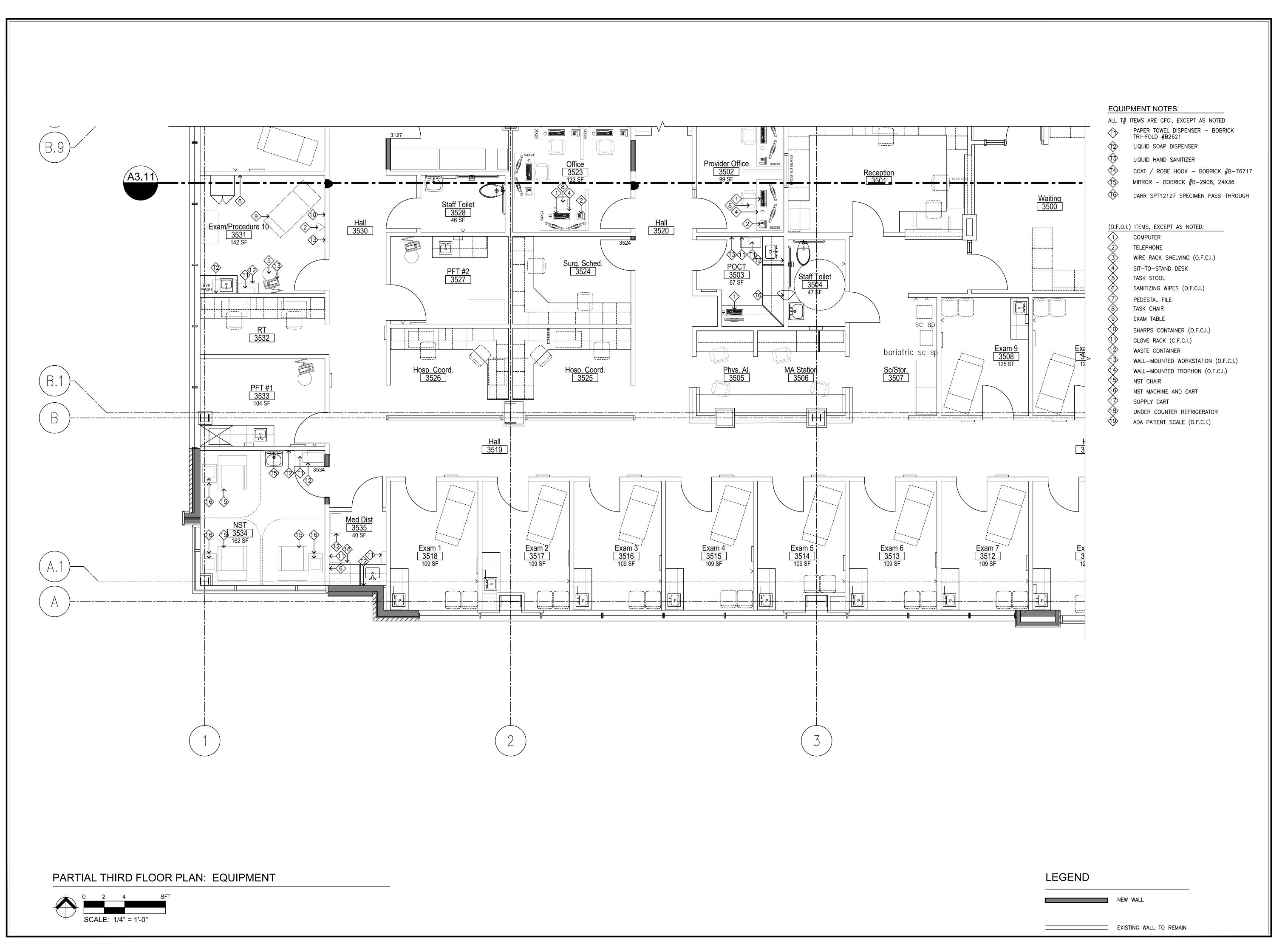
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SHEET TITLE:

PARTIAL THIRD FLOOR PLAN: EQUIPMENT (NORTHWEST)

SHEET #:

A3.11





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Seattle, WA 98125
206-601-6645

REGISTERED ARCHITECT

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Karsea M. Langlois
STATE OF WASHINGTON

OWNER:

MultiCare And BetterConnected

City of Puyallup
Development & Permitting Services
/ISSUED PERMIT

Building Planning

Engineering Public Works

Fire Traffic

PROJECT NAME:

MultiCare

GSMOB

Women's

Clinic T.I.

Phase 2
1450 5th St SE
Puyallup, WA 98372

MARK DATE DESCRIPTION

5/8/2023 PERMIT SUBMITTAL #1

PROJECT NO. 31252

DRAWN BY: K. LANGLOIS

DRAWN BY: K. LANGLOIS

DATE: 8 MAY 2023

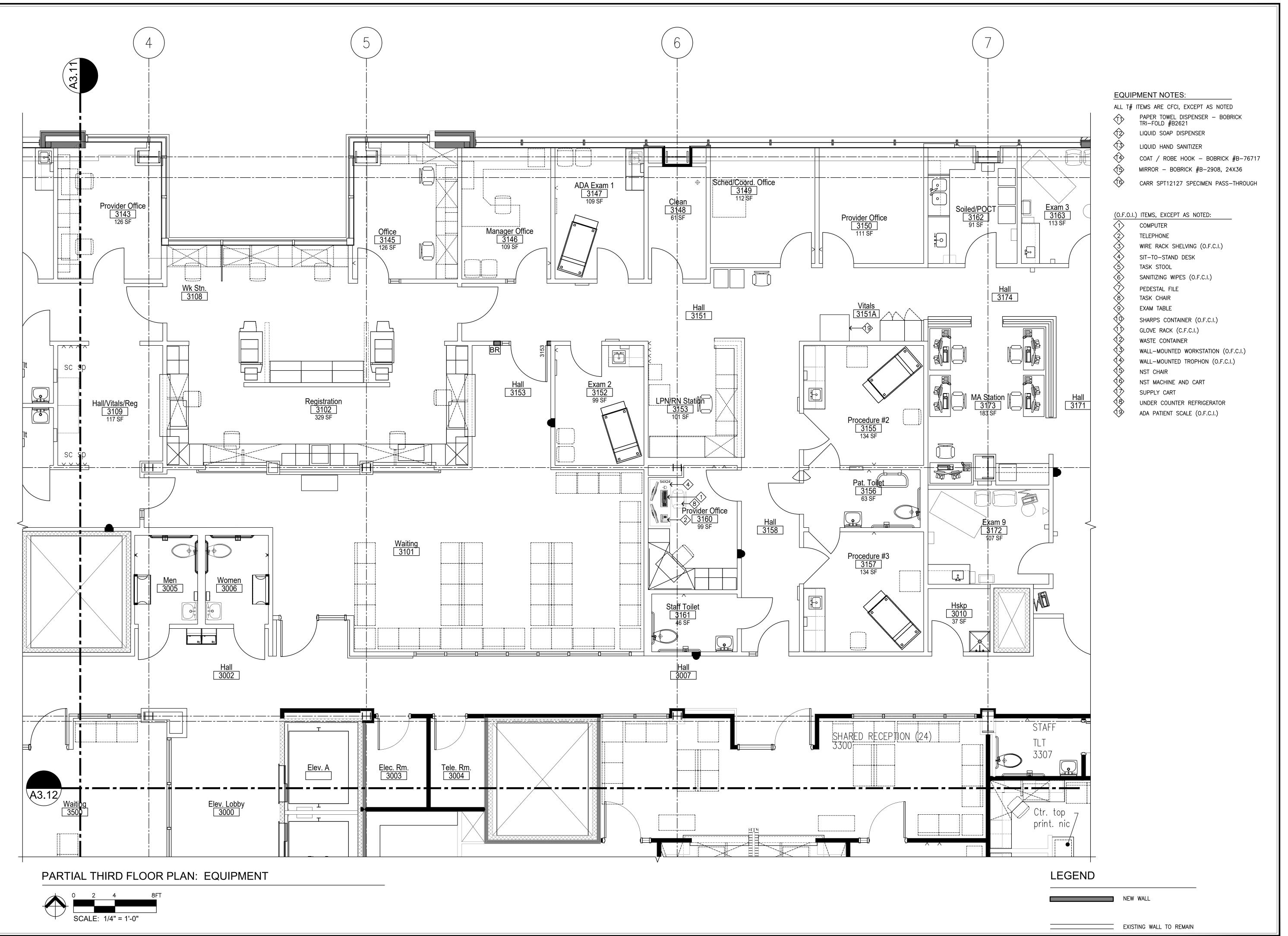
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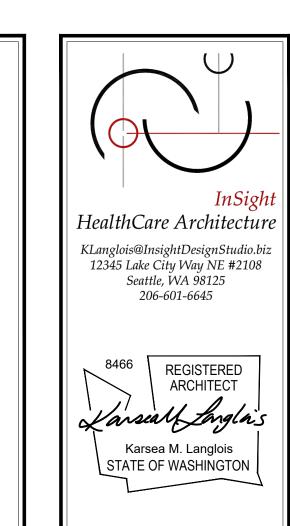
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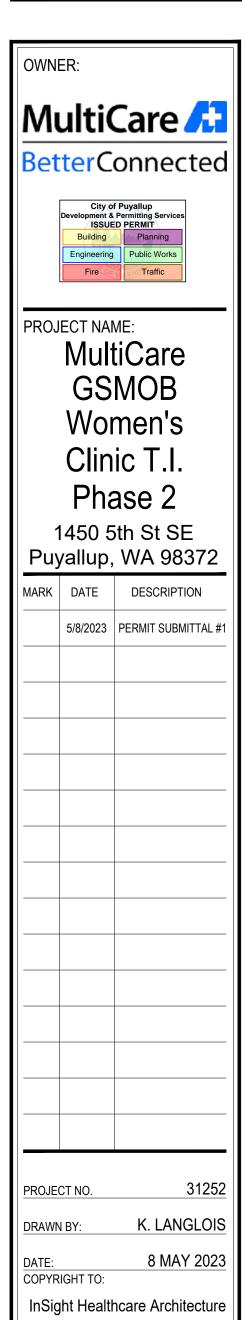
PARTIAL THIRD FLOOR PLAN: EQUIPMENT (SOUTHWEST)

SHEET #:

A3.12







SHEET TITLE:

SHEET #:

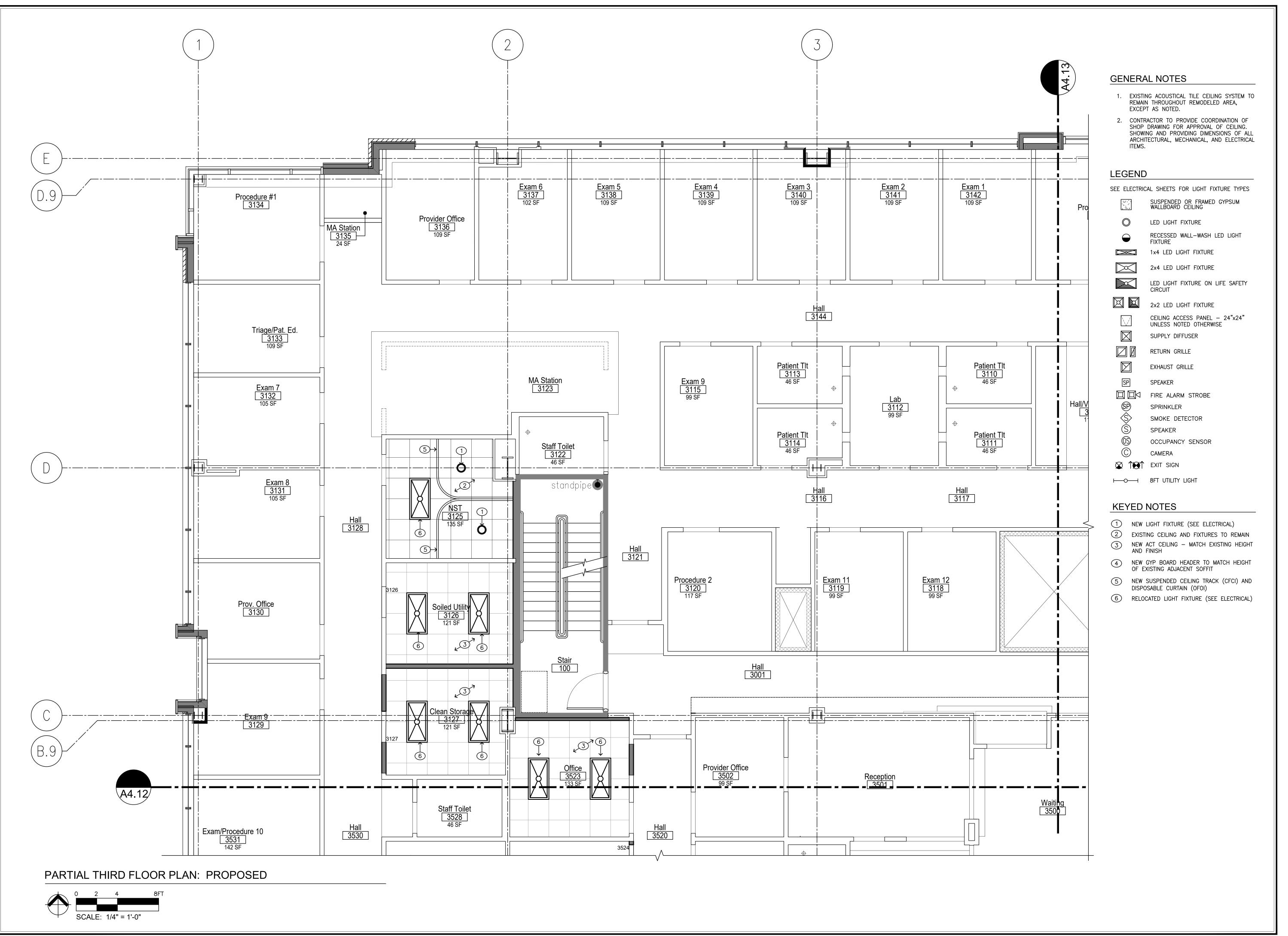
PARTIAL THIRD

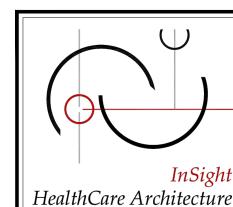
FLOOR PLAN:

(NORTHEAST)

A3.13

EQUIPMENT





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OWNER: MultiCare 👫 **Better**Connected

City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning

Engineering Public Works Fire Traffic

PROJECT NAME: MultiCare **GSMOB** Women's Clinic T.I Phase 2

1450 5th St SE Puyallup, WA 98372 MARK DATE DESCRIPTION

	5/8/2023	PERMIT SUBMITTAL #
PROJE(CT NO.	31252

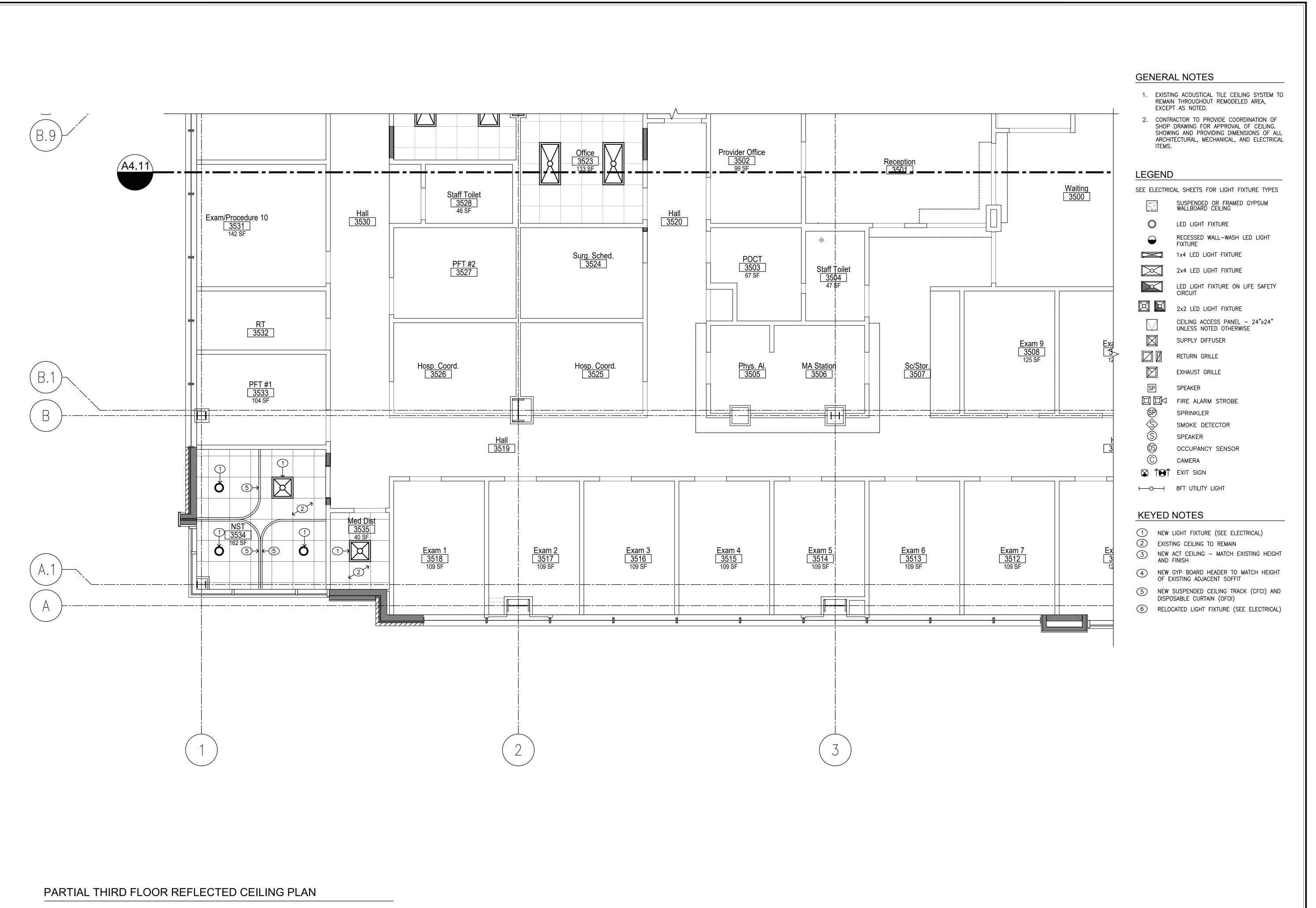
ROJECT NO. K. LANGLOIS DRAWN BY:

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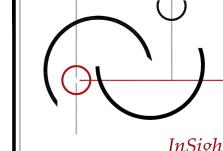
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SHEET TITLE: PARTIAL THIRD FLOOR REFLECTED CEILING PLAN (NORTHWEST)

SHEET #: A2.11



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



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31252 PROJECT NO. K. LANGLOIS

8 MAY 2023

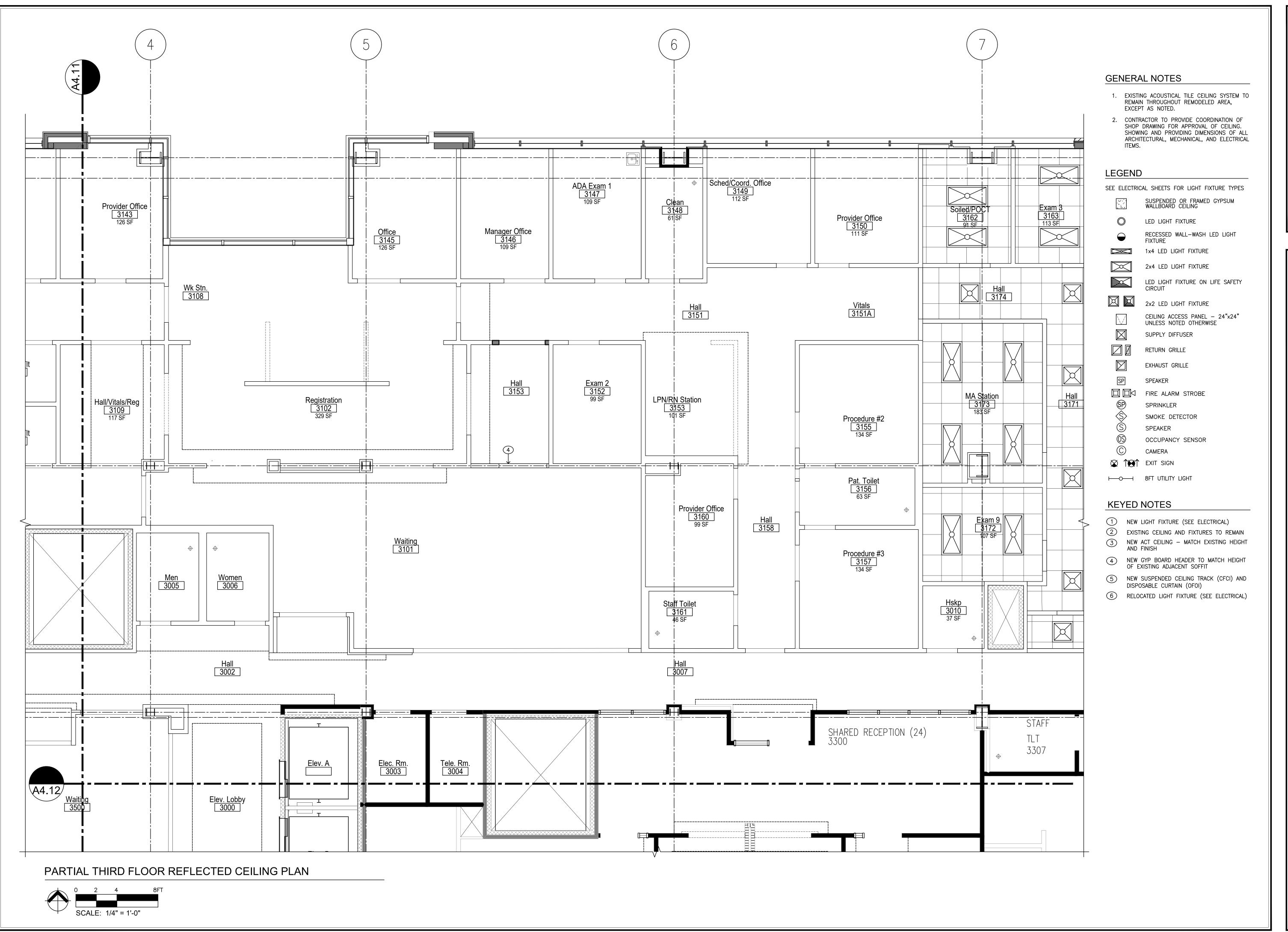
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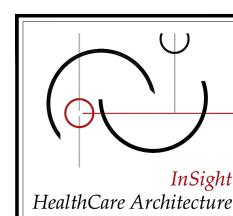
SHEET TITLE: PARTIAL THIRD FLOOR REFLECTED CEILING PLAN (SOUTHWEST)

SHEET #:

DRAWN BY:

A4.12





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REGISTERED ARCHITECT

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STATE OF WASHINGTON

MultiCare And BetterConnected

City of Puyallup
Development & Permitting Services
/ISSUED PERMIT
Building Planning
Engineering Public Works
Fire Traffic

MultiCare
GSMOB
Women's
Clinic T.I.
Phase 2

1450 5th St SE
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MARK DATE DESCRIPTION

5/8/2023 PERMIT SUBMITTAL #1

PROJECT NO. 31252

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SHEET TITLE:

PARTIAL THIRD

FLOOR

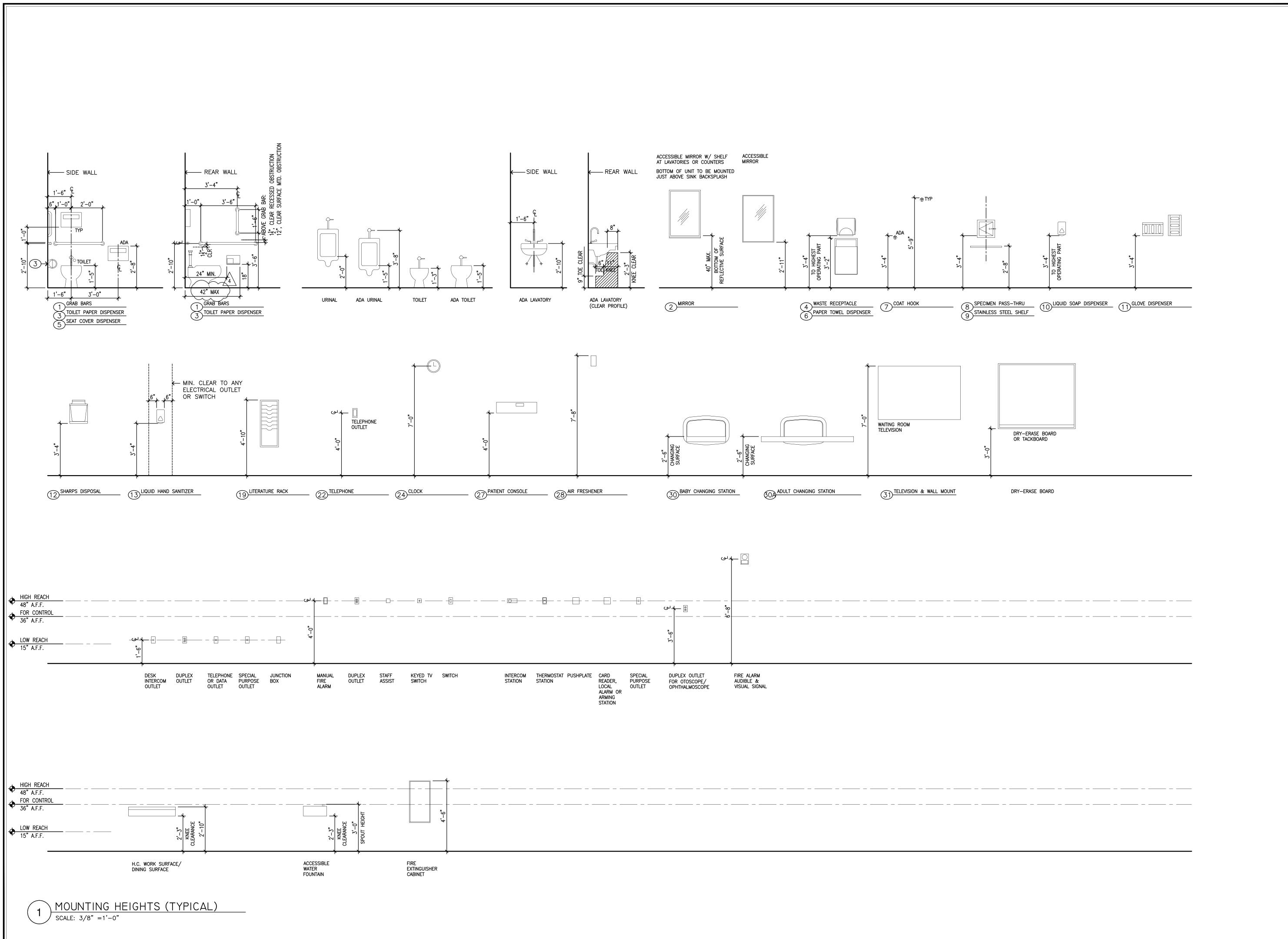
REFLECTED

CEILING PLAN

SHEET #:

A4.13

(NORTHEAST)





OWNI	ER:	
	terC	Care Connected onnected f Puyallup Permitting Services PERMIT Planning Public Works Traffic
1	GS Woo Clin Pha	tiCare MOB men's ic T.I. ase 2 th St SE WA 98372
MARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL #
	0/0/2020	T ETAIL COSINT TAE
PROJE	CT NO	3125

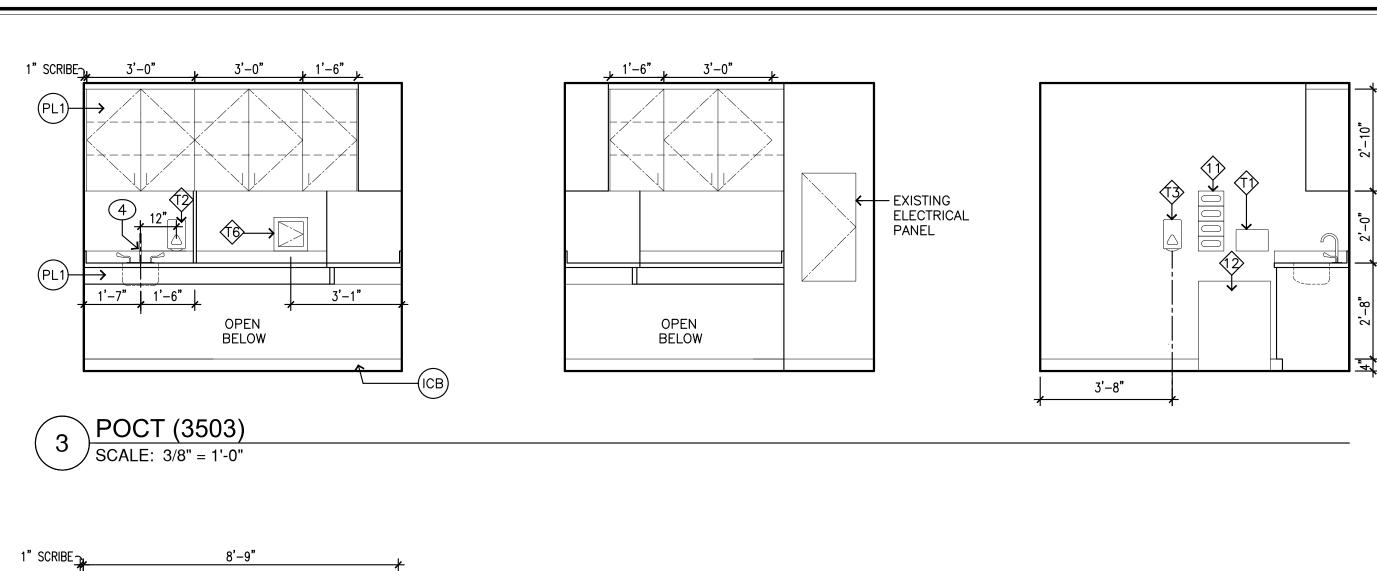
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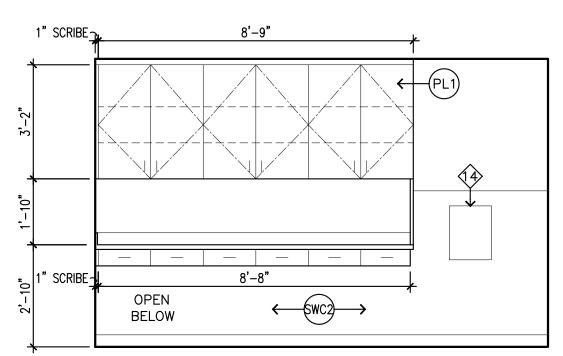
8 MAY 2023

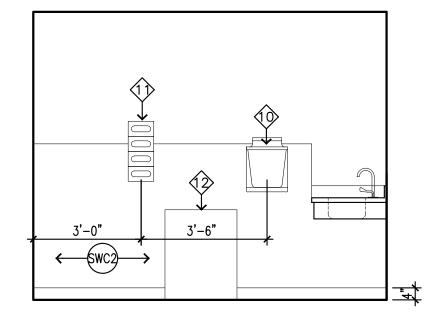
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SHEET TITLE:

TYPICAL MOUNTING HEIGHTS

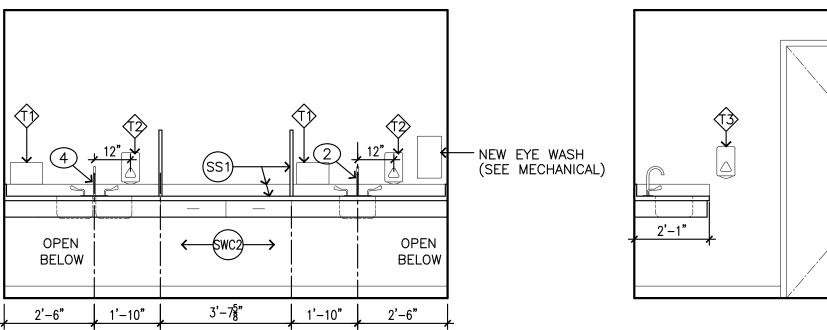


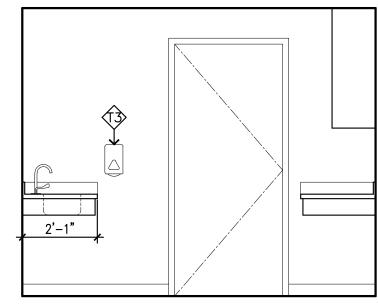




Soiled Utility (3126)

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





Soiled Utility (3126)
SCALE: 3/8" = 1'-0"

EQUIPMENT NOTES:

ALL T# ITEMS ARE CFCI, EXCEPT AS NOTED

PAPER TOWEL DISPENSER — BOBRICK TRI-FOLD #B2621

LIQUID SOAP DISPENSER

LIQUID HAND SANITIZER

COAT / ROBE HOOK - BOBRICK #B-76717

MIRROR – BOBRICK #B-2908, 24X36

CARR SPT12127 SPECIMEN PASS-THROUGH

(O.F.O.I.) ITEMS, EXCEPT AS NOTED:

COMPUTER

TELEPHONE

WIRE RACK SHELVING (O.F.C.I.)

SIT-TO-STAND DESK

TASK STOOL

SANITIZING WIPES (O.F.C.I.)

PEDESTAL FILE

TASK CHAIR

EXAM TABLE

SHARPS CONTAINER (O.F.C.I.)

GLOVE RACK (C.F.C.I.)

WASTE CONTAINER

WALL-MOUNTED WORKSTATION (O.F.C.I.)

WALL-MOUNTED TROPHON (O.F.C.I.)

NST CHAIR

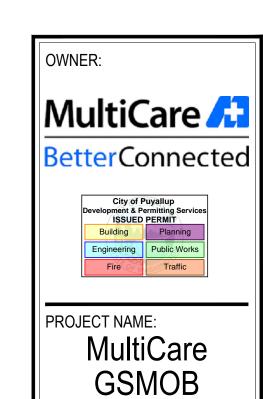
NST MACHINE AND CART

SUPPLY CART

UNDER COUNTER REFRIGERATOR

ADA PATIENT SCALE (O.F.C.I.)





Women's Clinic T.I. Phase 2 1450 5th St SE Puyallup, WA 98372 MARK DATE DESCRIPTION

IARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL :

PROJECT NO.

K. LANGLOIS DRAWN BY: 8 MAY 2023

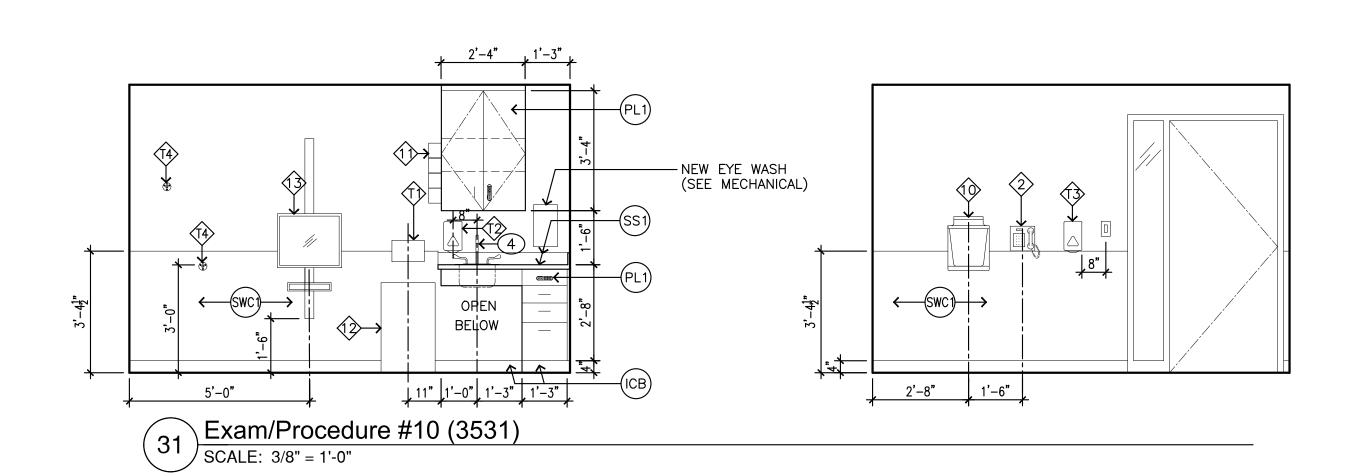
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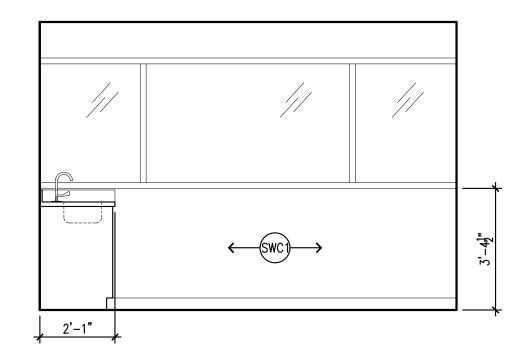
SHEET TITLE:

INTERIOR ELEVATIONS

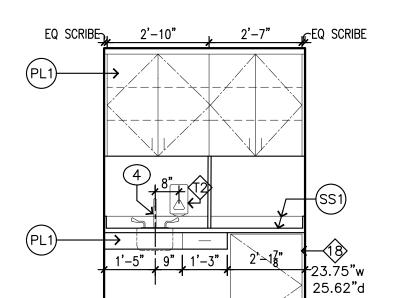
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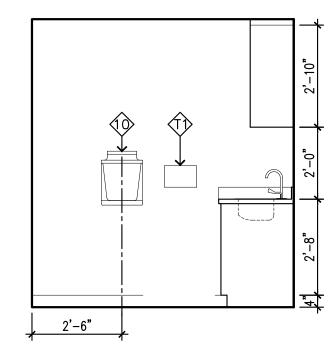
A6.1

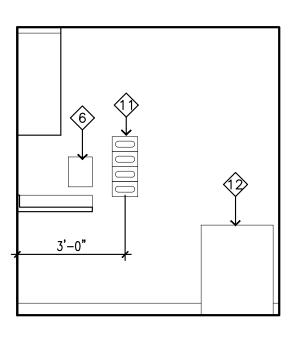




31 Exam/Procedure #10 (3531)
SCALE: 3/8" = 1'-0"







Medication Distribution Room (3535)

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

EQUIPMENT NOTES:

ALL T# ITEMS ARE CFCI, EXCEPT AS NOTED

PAPER TOWEL DISPENSER — BOBRICK TRI—FOLD #B2621

LIQUID SOAP DISPENSER

LIQUID HAND SANITIZER

COAT / ROBE HOOK - BOBRICK #B-76717

MIRROR - BOBRICK #B-2908, 24X36

CARR SPT12127 SPECIMEN PASS-THROUGH

(O.F.O.I.) ITEMS, EXCEPT AS NOTED:

COMPUTER

TELEPHONE

WIRE RACK SHELVING (O.F.C.I.)

SIT-TO-STAND DESK

TASK STOOL

SANITIZING WIPES (O.F.C.I.)

PEDESTAL FILE

TASK CHAIR

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WASTE CONTAINER

WALL-MOUNTED WORKSTATION (O.F.C.I.)

WALL-MOUNTED TROPHON (O.F.C.I.)

NST CHAIR

NST MACHINE AND CART

SUPPLY CART

UNDER COUNTER REFRIGERATOR

ADA PATIENT SCALE (O.F.C.I.)







Phase 2				
	1450 5th St SE Puyallup, WA 98372			
MARK	DATE	DESCRIPTION		
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PROJE	PROJECT NO. 31252			

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SHEET TITLE:

INTERIOR ELEVATIONS

SHEET #:

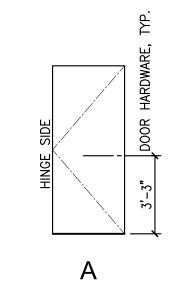
A6.2

		DOOR						FRAME			DETAIL		GL	AZING	FIRE	LEAD				HA	ARDWA	RE SO	CHEDU	LE				NOTES
NUMBER	CLASS	SIZE	THICKNESS	ТУРЕ	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	НЕАD	JAMB	THRESHOLD	ТУРЕ	RATING	RATING	SHIELDING	HINGES	LOCK	CYLINDER	CLOSER	WALL STOP	OVERHEAD STOP	DOOR SILENCERS	PANIC	KICKPLATE	MAGNETIC HOLD-OPEN	FINISH	
3126	NEW	3'-0" X 7'-0"	1 3 "	Α	WD	PLAM	F-1	НМ	MP	2/A7.0	1/A7.0	_	N/A	N/A	NR	N	3	Υ	Y	Y	N	Y	Y	N	N	N	DC	1
3127	NEW	3'-0" X 7'-0"	1 3 "	Α	WD	PLAM	F-1	НМ	MP	2/A7.0	1/A7.0	_	N/A	N/A	NR	N	3	Υ	Υ	Y	N	Υ	Y	N	N	N	DC	1
3153	RELOCATED	3'-0" X 7'-0"	1 3 "	В	WD	PLAM	1F-2	НМ	MP	2/A7.0	1/A7.0	_	N/A	N/A	NR	N	3	N	N	Υ	N	Υ	Y	N	N	N	DC	1, 2
3524	NEW	3'-0" X 7'-0"	1 3 "	Α	WD	PLAM	F-1	НМ	MP	2/A7.0	1/A7.0	_	N/A	N/A	NR	N	3	Υ	Y	N	Υ	N	Y	N	N	N	DC	
3534	NEW	3'-0" X 7'-0"	1 3 "	Α	WD	PLAM	F-1	НМ	MP	2/A7.0	1/A7.0	_	N/A	N/A	NR	N	3	N	N	N	N	Υ	Y	N	N	N	DC	

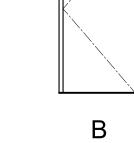
NATURAL FINISH (SYNTHETIC)

WOOD, STAINED

DOOR TYPES



TYPICAL



CODED NOTES

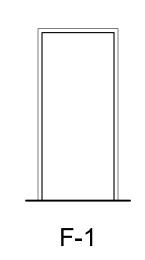
LEGEND

GENERAL:

1. NEW CARD READER AND ELECTRIC DOOR STRIKE 2. NEW AUTO OPERATOR

GENERAL:	(E)	EXISTING			
	Ň	NO	GLAZING:	CW	CLEAR WIRE
	N/A	NOT APPLICABLE		CT	CLEAR TEMPERED
	Ϋ́	YES		π	TINTED TEMPERED
THICKNESS:	TYPICAL	ALL DOORS 13 UNLESS OTHERWISE INDICATED		FL	FIRELITE
	ВМ	BY MANUFACTURER		VC	VISION CONTROL (INTEGRAL BLINDS)
	0	THICKNESS TO MATCH EXIST. FRAME (VERIFY)		LC	LEAD SHIELDING
MATERIAL:	SC	SOLID CORE WOOD (TYPICAL)	FIRE RATING:	20, 60, 90	MIN. 1, $1\frac{1}{2}$ HOUR, ETC. – INDICATES LABEL
	НМ	HOLLOW METAL	FRAME:	НМ	HOLLOW METAL
	AG	ALUMINUM AND GLASS		AL	ALUMINUM
	WV	WOOD PANEL/VINYL		S	STEEL
FINISH:	PLAM	PLASTIC LAMINATE - WHITE MAPLE		ВМ	BY MANUFACTURER
	MP	METAL, PAINTED		0	EXISTING FRAME TO REMAIN. PAINT TO
	AA	ANODIZED ALUMINUM, MILL FINISH			MATCH ADJACENT WALL.
	ВМ	BY MANUFACTURER		WD	WOOD, PAINTED

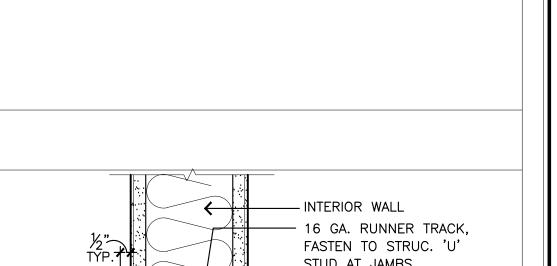
DOOR FRAMES

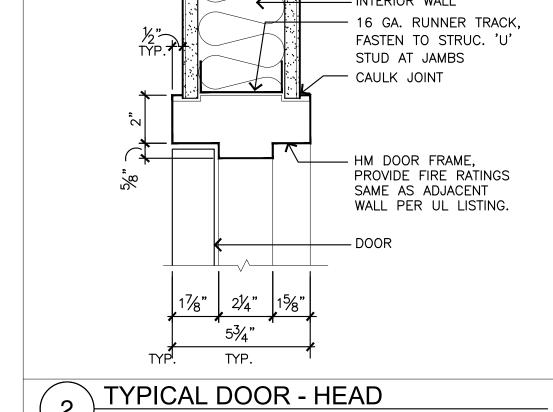


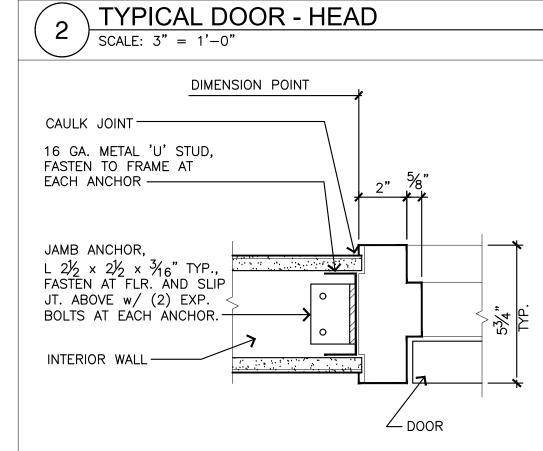
DULL CHROME

GENERAL NOTES

- 1. ALL DOORS TO BE 13/4" THICK, UNLESS NOTED OTHERWISE.
- 2. DOOR GLAZING COLUMN REFERS TO DOOR, SIDELIGHT AND TRANSOM.
- 3. LABEL COLUMN NUMBER INDICATES THE RATING IN MINUTES, UNLESS NOTED OTHERWISE.
- 4. GLAZING DIMENSIONS FOR DOOR TYPES ARE TO INSIDE OF FRAME
- 5. RELITE GLAZING AND STOP TO OCCUR ON CORRIDOR/HALLWAY SIDE OF FRAME, UNLESS NOTED OTHERWISE.
- 6. STRIKE JAMB DETAIL IS SIMILAR TO HINGE JAMB DETAIL, UNLESS
- NOTED OTHERWISE. 7. VERIFY WALL CONSTRUCTION FOR FRAME DEPTH.
- 8. ALL DOOR HARDWARE SHOULD COMPLY WITH 'ADA' REQUIREMENTS. SEE SPEC FOR HARDWARE SET INFORMATION.
- 9. VERIFY EXISTING WALL CONSTRUCTION FOR FRAME DEPTHS.
- 10. SEE DETAIL 19/A8.1 FOR MANEUVERING CLEARANCES AT







TYPICAL DOOR - JAMB \int SCALE: 3" = 1'-0"

HealthCare Architecture KLanglois@InsightDesignStudio.biz 12345 Lake City Way NE #2108 Seattle, WA 98125 206-601-6645 8466 REGISTERED ARCHITECT Karsea M. Langlois STATE OF WASHINGTON

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Μι	ulti(Care 🕰
Bet	terC	onnected
	Development &	Puyallup Permitting Services D PERMIT Planning Public Works Traffic
	GS Wor Clin Pha	tiCare MOB men's ic T.I. ase 2
		WA 98372
MARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL #1
	OT NO	31252
PROJE(K. LANGLOIS
DATE:	יוטו.	8 MAY 2023
COPYR	IGHT TO:	
InSig	ını Health	ncare Architecture

SHEET #:

DOOR

DETAILS

SCHEDULE, &

		Fl	OORING		ВА	SE	N	IORTH WA	LL		EAST WALI	L	5	SOUTH WA	LL	٧	VEST WALL	_		CEILING			WAI	NSCOT		
ROOM #	ROOM NAME	MATL	FIN	CLR	FIN	CLR	MATL	FIN	CLR	MATL	FIN	CLR	MATL	FIN	CLR	MATL	FIN	CLR	MATL	FIN	HEIGHT	CODED NOTES	MATL.	HEIGHT	WALL	ROOM
3125	NST	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"		_	_	_	3125
3126	SOILED UTILITY	(E)CONC	SV	SV1	ICB	SV1	(E)GWB	PT	PNT-1	GWB	PT	PNT-1	GWB	PT	PNT-1	GWB	PT	PNT-1	ACT1	FF	9'-6"	12	SWC2	N,W,S,E	48"	3126
3127	CLEAN STORAGE	(E)CONC	LVT	LVT1	RB	RB1	GWB	PT	PNT-1	GWB	PT	PNT-1	(E)GWB	PT	PNT-1	GWB	PT	PNT-1	ACT1	FF	9'-6"	12	_	_	_	3127
3128	HALL	(E)CONC	(E)CPT	_	RB	RB1	(E)GWB	PT	PNT-1	GWB	PT	PNT-1	(E)GWB	PT	PNT-1	GWB	PT	PNT-1	(E)ACT1	FF	9'-6"	3	_	_	_	3128
3134	PROCEDURE #1	(E)CONC	SV	SV1	ICB	SV1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"	1	_	_	_	3134
3135	MA STATION	(E)CONC	LVT	LVT1	ICB	LVT1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	_	_	_	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"	1	_	_	_	3135
3151	HALL	(E)CONC	(E)CPT	_	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"	3		_	_	3151
3153	HALL	(E)CONC	(E)CPT	_	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"	3	_	_	_	3153
3502	PROVIDER'S OFFICE	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"	(1)	_		_	3502
3503	POCT WORKROOM	(E)CONC	SV	SV1	ICB	SV1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"	(1)	_	_	_	3503
3504	STAFF TOILET	(E)CONC	(E)SV	_	(E)RB	_	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"		(E)SWC	I N,W,S,E	48"	3504
3523	OFFICE	(E)CONC	LVT	LVT1	RB	RB1	GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"				_	3523
3524	SURGERY SCHEDULER'S OFFICE	(E)CONC	(E)CPT	_	RB	RB1	(E)GWB	PT	PNT-1	GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"		_	_	_	3524
3527	PFT #2	(E)CONC	(E)SV	_	(E)RB	_	(E)GWB	PT	PNT-1	GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"		SWC1	N,W,S,E	48"	3527
3531	EXAM / PROCEDURE 10	(E)CONC	SV	SV1	ICB	SV1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"	1	SWC1		3'-4 1/2"	3531
3533	PFT #1	(E)CONC	(E)SV	_	(E)RB	_	(E)GWB	PT	PNT-1	GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"		SWC1	N,W,S,E	48"	3533
3534	NST	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"	(1)	_	_	_	3534
3535	MEDICATION DISTRIBUTION	(E)CONC	SV	SV1	ICB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)ACT1	FF	9'-6"	1	_	_	_	3535

MATERIALS LIST

24"x24"x3/4"

"BARRISTER WHITE"

COUNTERTOPS & SILLS

CARPET: REINSTALL EXISTING

#193 "BLACK BROWN"

CAULK AT TOP SEAM

COLOR: "SAVANNA" #SAO7

INTEGRAL SINKS

WALNUT"

WHITE"

ACOUSTICAL CEILING TILE - MATCH EXISTING,

CORNER GUARD: CONSTRUCTION SPECIALTIES, 40" A.F.F. X 2" CORNER GUARD, 90 DEGREES,

TO MATCH WALL CONDITION, COLOR - "ANTIQUE

PAINT — WALL FIELD COLOR: MPI STANDARDS LOW VOC LATEX EGGSHELL FINISH: RHODDA, #19-05-909

SYNTHETIC WALL COVERING #1: CONSTRUCTION

SOLID SURFACE #2: CORIAN: "BISQUE" - ALL

SHEET VINYL, TYPE 1, STANDARD #1, CLASS I: MANNINGTON PARADIGM, STREAMLINE, "FOUNDATION"

4.5" RUBBER BASE: ROPPE 700 SERIES - COLOR

6" INTEGRAL COVED BASE - CONTINUOUS BEAD OF

3/8" THICK FROSTED TEMPERED GLASS WITH FLAT POLISHED EDGES — AT EACH REGISTRATION DESK

DOORS: MATCH EXISTING - SPECIES: WHITE MAPLE,

IN LIEU OF MATCHING TRIM. COLOR — "ANTIQUE

DOOR AND RELITE FRAMES: ALKYD ENAMEL, EGGSHELL

SPECIALTIES RIGID SHEET WITH COLOR MATCHED CAULK,

PLASTIC LAMINATE #1 - CASEWORK FACES (CABINETS/DRAWERS): MATCH EXISTING - "SAVANNA" #SA07

SOLID SURFACE #1: CORIAN: "SAVANNAH" - ALL

LUXURY VINYL TILE, TYPE 1—C, STANDARD #1, CLASS I: TEKNOFLOR, RARE PLANK, HPD #89003RP "AMERICAN

FUSION PARTNER SINGLE POINTS OF CONTACT INFO

FUSION Partner	Category	FUSION Contact	Email	Phone
Wood/AMEC	Civil & Enviro Eng	Andy Clark	andy.clark@woodplc.com	704.357.5630
Armstrong	Ceilings/Acoustics	Louis John	ljjohn@armstrongceilings.com	407.697.6768
CertainTeed	Ceilings/Acoustics	Bernie Shalvey	Bernard.g.shalvey@saint-gobain.com	704-779-7337
RockFon	Ceilings/Acoustics	Diana Hart	Diana.hart@rockfon.com	860-338-6417
USG	Ceilings/Acoustics	Blake Panno	bpanno@usg.com	515-707-9179
Bohler	Civil & Enviro Engineering	Dan Duke	DDUKE@bohlerdc.com	703-431-0013
Tyco/Simplex/Metasys (Via JCI)	Fire & Safety, Bldg. Automation	Eric Eley	eric.l.eley@jci.com	336.402.4907
Milliken	Flooring	John McCrudden	John.Mccrudden@Milliken.com	201.306.2569
Shaw	Flooring	Eric Scherer	eric.scherer@shawinc.com	469.878.0759
Tarkett	Flooring	Frank Wiseman	Frank.Wiseman@tarkett.com	704.728.9552
HNI	Furniture	Brian Curtin	CurtinBR@HNI-ONE.COM	781.759.6859
Haworth	Furniture	Chris Tornblom	Chris. Tornblom@haworth.com	214.243.0264
Herman Miller	Furniture	Amanda Ryland	amanda_ryland@hermanmiller.com	484.645.4818
Carrier	HVAC	Greg Josefchuk	gregory.josefchuk@carrier.com	704-495-5941
Trane	HVAC	Bill Collar	BCollar@trane.com	843-834-2016
York (via JCI)	HVAC	Eric Eley	eric.l.eley@jci.com	336.402.4907
GE Current	Lighting & Controls	Jeff Irish	Jeffrey.irish@gecurrent.com	603.321.4935
SSR	MEP Engineering	Simon Gandica	sgandica@ssr-inc.com	832.570.6108
Syska Hennessy	MEP Engineering	Alex Myers	amyers@syska.com	704.910.8718
Suddath	Move Services	Bob Papuga	RPapuga@suddath.com	904.868.2168
Sherwin Williams	Paint & Coatings	Mark Spillman	Mark.D.Spillman@sherwin.com	216. 906.6251
GAF	Roofing	Karyn Castro	karyn.castro@gaf.com	562.412.8154
Johns Manville	Roofing	Brad Burdic	Brad.Burdic@jm.com	303.809.4519
TISA Global	Signage	Nate Doney	ndoney@tisaglobal.com	503.327.5943

GENERAL NOTES	3
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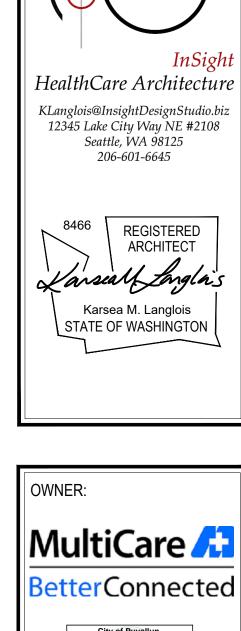
- AN ASTERISK (*) IN THE FINISH SCHEDULE
 REFERENCES CODED NOTES IN THE REMARKS
 COLUMN
- 2. ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED, SHALL BE CENTERED UNDER DOOR.
- 3. PAINT ALL INTERIOR MECHANICAL LOUVERS, WHERE EXPOSED, TO MATCH ADJACENT SURFACE, UNLESS NOTED OTHERWISE.
- 4. SEE REFLECTED CEILING PLAN FOR CEILING FINISH INFORMATION.
- 5. PAINT ALL DOOR AND RELITE FRAMES, NEW AND EXISTING, UNLESS NOTED OTHERWISE.
- 6. SEE INTERIOR ELEVATIONS FOR FINISHES ON WALLS WITH MULTIPLE FINISHES.
- 7. SEE INTERIOR ELEVATIONS, REFLECTED CEILING PLAN, AND INTERIOR DESIGN MATERIALS PLAN FOR EXTENT AND LOCATION OF ACCENT PAINT COLORS.
- 8. FLOORING INSTALLATION TO COORDINATE WITH CASEWORK INSTALLATION.

CODED NOTES

- 1 NEW FLOORING
- 2 NEW CEILING
- 3 REPLACE CARPET IN AREA OF WORK WITH CARPET SALVAGED FROM DEMOLITION

ARRREVIATIONS

ADJ	ADJUSTABLE ACOUSTIC TREATMENT
AC	ACOUSTIC TREATMENT ACCORDION DOOR
ACC	ACCORDION DOOR ACOUSTICAL CEILING TILE
	AMERICANS WITH DISABILITIES
AV	AUDIO/VISUAL
AWC	
AWP	
BD	BOARD
BRK	
BROOM	LIGHT BROOM FINISH (CONCRETE)
CAB	CABINET
CL P	CABINET CORNER GUARD COLOR
CK	CORK
	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CT	CERAMIC TILE
CS	COVER SHEET VINY
DE C2A	CONCRETE, SEALED COVED SHEET VINYL DRINKING FOUNTAIN
(E)	EXISTING
EP .	EPOXY PAINT
EX-S	EXPOSED STRUCTURE
FF	FACTORY FINISH
FIN	
FLR	FLOOR
CMII	FIBERGLASS REINFORCED PLASTIC
GYP	GLAZED MASONRY UNIT GYPSUM WALL BOARD
GWB	GYPSUM WALLBOARD
MATL	MATERIAL
	MEDIUM DENSITY FIBERBOARD
MTL	
	METAL SIDING MASONRY
NIC NIC	NOT IN CONTRACT
NTS	NOT IN CONTRACT NOT TO SCALE
OC	ON CENTER
02	OPERABLE PARTITION
PLAM	PLASTIC LAMINATE PLASTIC LAMINATE
PNL	PLASTER PANFI
PR(#)	PROJECTION SCREEN (LENGTH)
PT	PAINT
PTD	PAPER TOWEL DISPENSER
PTD PWD RB	PLYWOOD
RB	RUBBER BASE
RF RC	
SD	
SEM	SURFACE-MOUNTED ENTRY MAT
SF	STOREFRONT
SV	SHEET VINYL
TB(#)	SHEET VINYL TACK BOARD (LENGTH) TO BE SELECTED
TBS"	TO BE SELECTED
TG	TUNGUE & GRUUVE CEDAR,
TP	STAINED TOILET PARTITION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UPT	UNGLAZED PORCELAIN TILE
V	VOLUME
VCT	VINYL COMPOSITION TILE
VP	VENEER PLASTER
VWC	
VWC WB(#)	WHITE BOARD (LENGTH)
VWC WB(#) WD	



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

PROJECT NAME:
MultiCare
GSMOB
Women's
Clinic T.I.
Phase 2

1450 5th St SE
Puyallup, WA 98372

MARK DATE DESCRIPTION

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PROJECT NO. 31252

DRAWN BY: K. LANGLOIS

9 MAY 2022

DATE: 8 MAY 2023 COPYRIGHT TO:

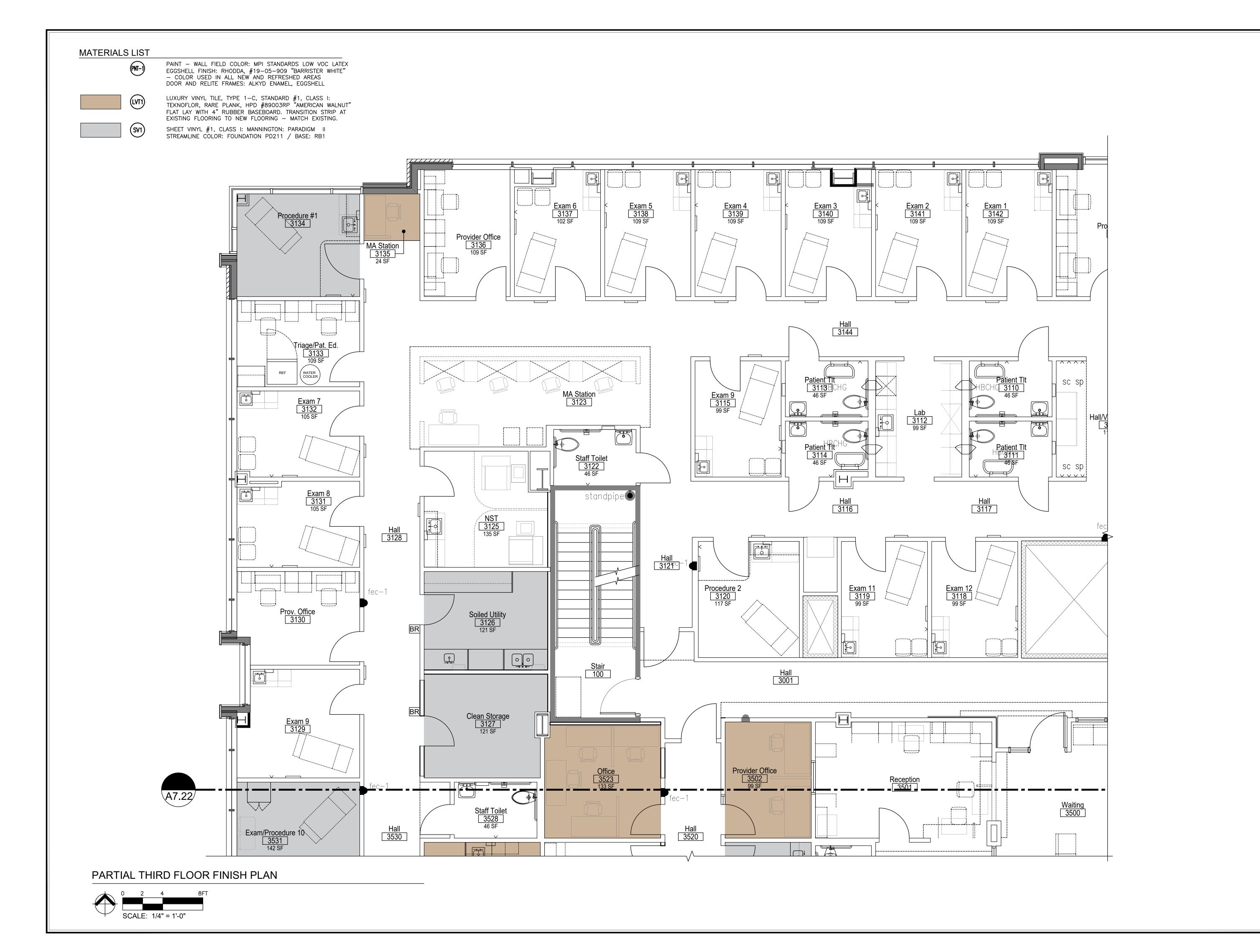
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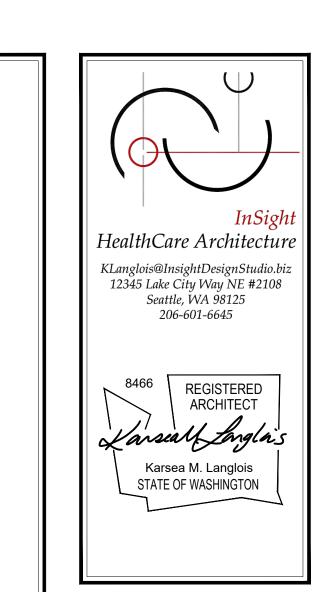
SHEET TITLE:

FINISH SCHEDULE

SHEET #:

A7.1





OWNER:

MultiCare

BetterConnected

City of Puyallup
Development & Permitting Services
(ISSUED PERMIT)

Building Planning
Engineering Public Works
Fire Traffic

PROJECT NAME:

MultiCare GSMOB Suite 4400 Clinic T.I.

1450 5th St SE Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL#
	1	

PROJECT NO. 31251

DRAWN BY: K. LANGLOIS

DATE: 10 APRIL 2023
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SHEET TITLE:

PARTIAL 3rd FLOOR FINISH PLAN

SHEET #:

A7.21

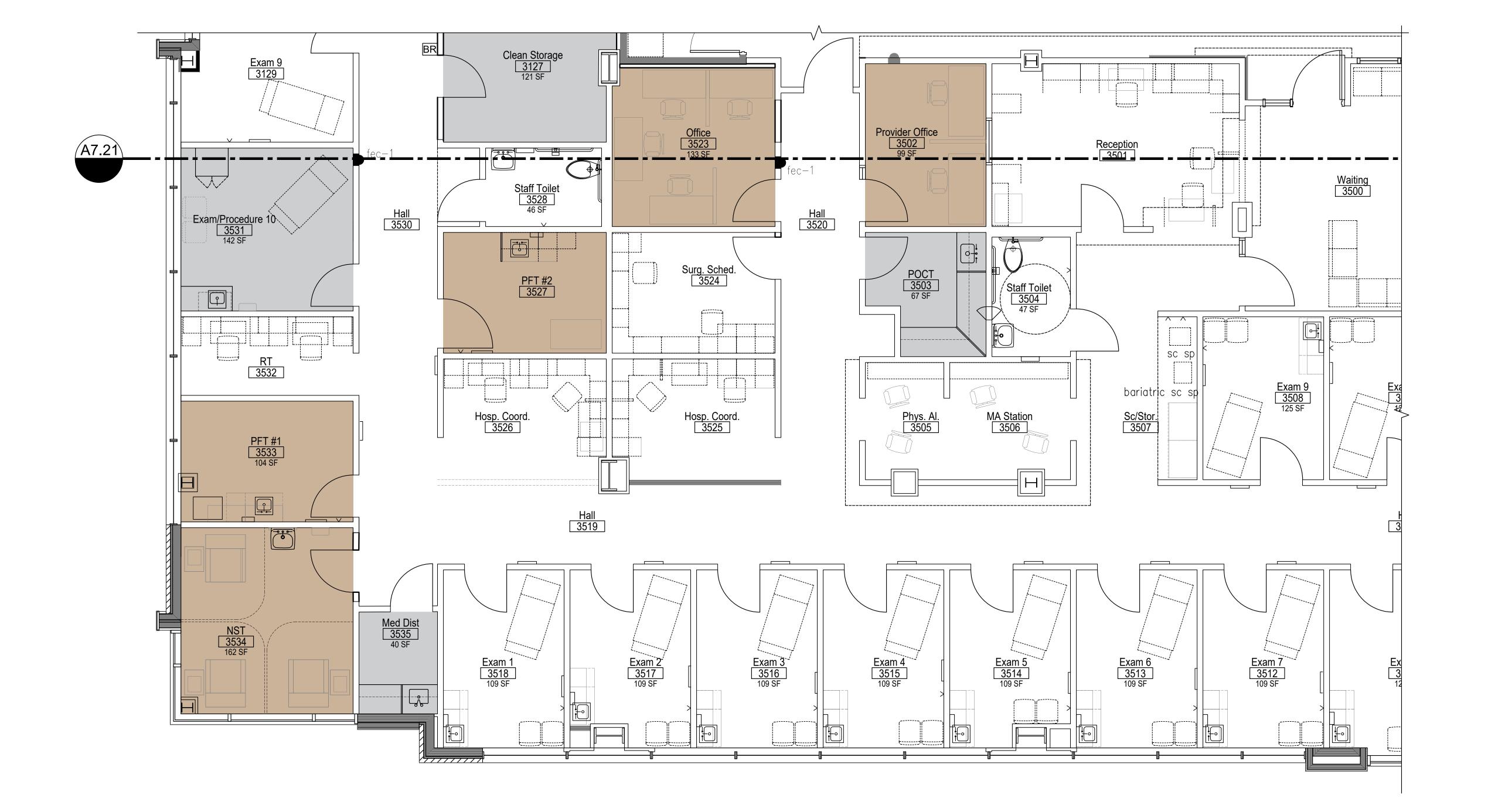
PAINT - WALL FIELD COLOR: MPI STANDARDS LOW VOC LATEX EGGSHELL FINISH: RHODDA, #19-05-909 "BARRISTER WHITE"

- COLOR USED IN ALL NEW AND REFRESHED AREAS
DOOR AND RELITE FRAMES: ALKYD ENAMEL, EGGSHELL

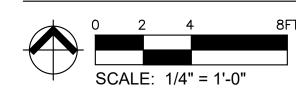


LUXURY VINYL TILE, TYPE 1-C, STANDARD #1, CLASS I: TEKNOFLOR, RARE PLANK, HPD #89003RP "AMERICAN WALNUT" FLAT LAY WITH 4" RUBBER BASEBOARD. TRANSITION STRIP AT EXISTING FLOORING TO NEW FLOORING — MATCH EXISTING. SHEET VINYL #1, CLASS I: MANNINGTON: PARADIGM II





PARTIAL THIRD FLOOR FINISH PLAN





OWN	ER:	
Μι	ulti(Care
Bet	terC	onnec
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	Engineering	Public Works Traffic
PROJ	ECT NAM	ME: CiCare
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	Clini	c T.I.
 1	450 5	th St SE
Puy	/allup,	WA 983
MARK	DATE	DESCRIPTION

MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL
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AWN BY:	K. LANGLO
TE:	10 APRIL 20

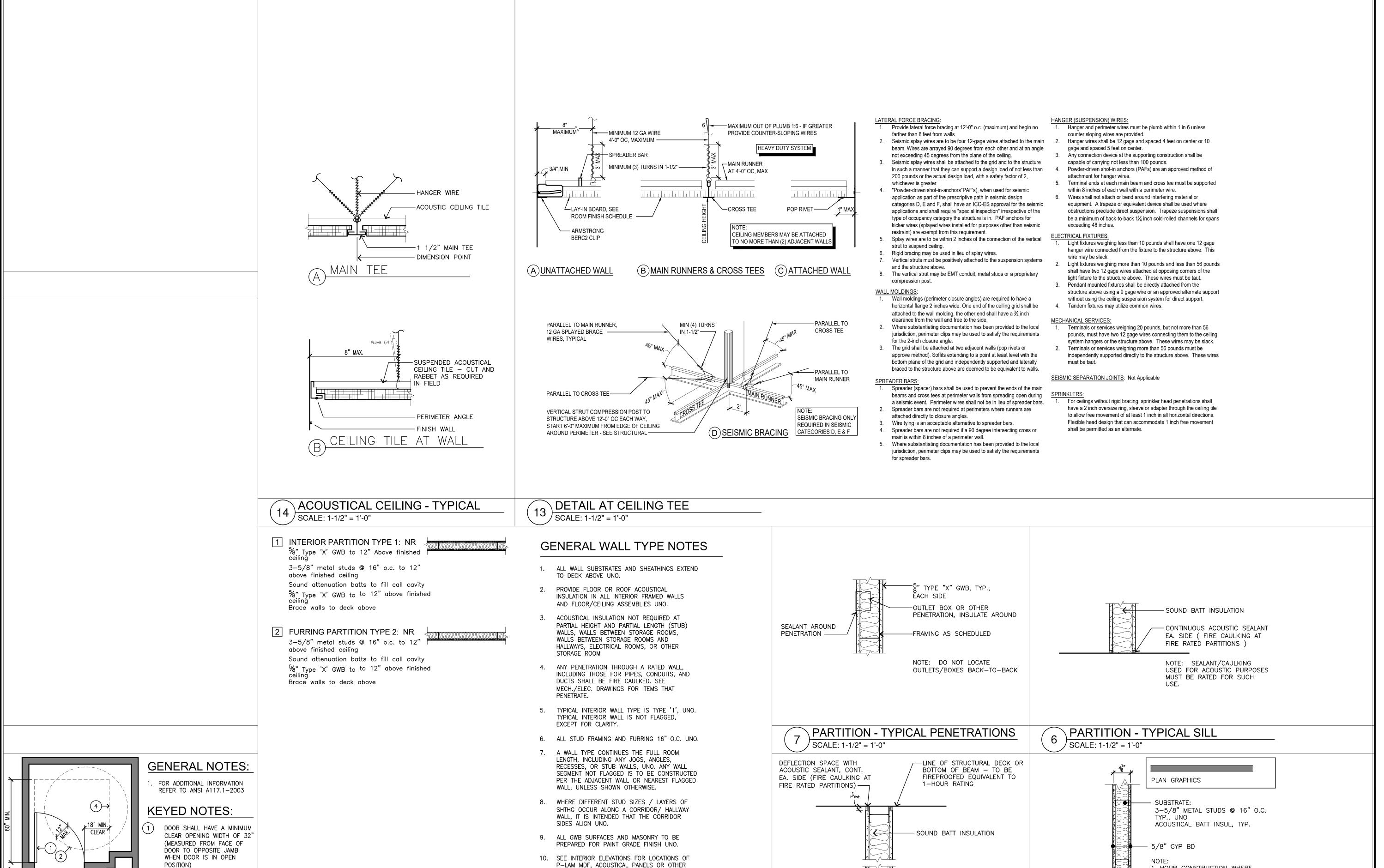
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SHEET TITLE: PARTIAL 3rd

FLOOR FINISH PLAN

SHEET #:

A7.22



APPLIED WALL FINISHES.

11. USE WATER RESISTANT GYP. BD IN

MOISTURE PRONE AREAS

60" DIAMETER TURNING SPACE

MANEUVERING SPACE: FRONT

MANEUVERING SPACE: FRONT

WALL TYPES

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

APPROACH, PULL SIDE

APPROACH, PUSH SIDE

ADA DOOR - MANEUVERING SPACE

12" MIN.

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

HealthCare Architecture KLanglois@InsightDesignStudio.biz 12345 Lake City Way NE #2108

> Seattle, WA 98125 206-601-6645 REGISTERED ARCHITECT

Karsea M. Langlois STATE OF WASHINGTON

MultiCare 🤼 **BetterConnected**

> City of Puyallup relopment & Permitting Servi ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic

PROJECT NAME: MultiCare **GSMOB** Women's Clinic T. Phase 2

1450 5th St SE

Puyallup, WA 98372 MARK DATE DESCRIPTION 5/8/2023 PERMIT SUBMITTAL #1 31252

PROJECT NO. DRAWN BY:

K. LANGLOIS 8 MAY 2023 COPYRIGHT TO:

InSight Healthcare Architecture

SHEET TITLE:

WALL TYPES, DETAILS

SHEET #:

1-HOUR CONSTRUCTION WHERE

SHOWN RATED ON CODE PLANS

SEE SHEATHING / FURRING TYPE

ADDITIONAL SHEATHING DESCRIPTIONS

MODIFIERS FOR ALTERNATE OR

TYPICAL INTERIOR WALL

SCALE: 1" = 1'-0"

----FRAMING

FULL HEIGHT PARTITION

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

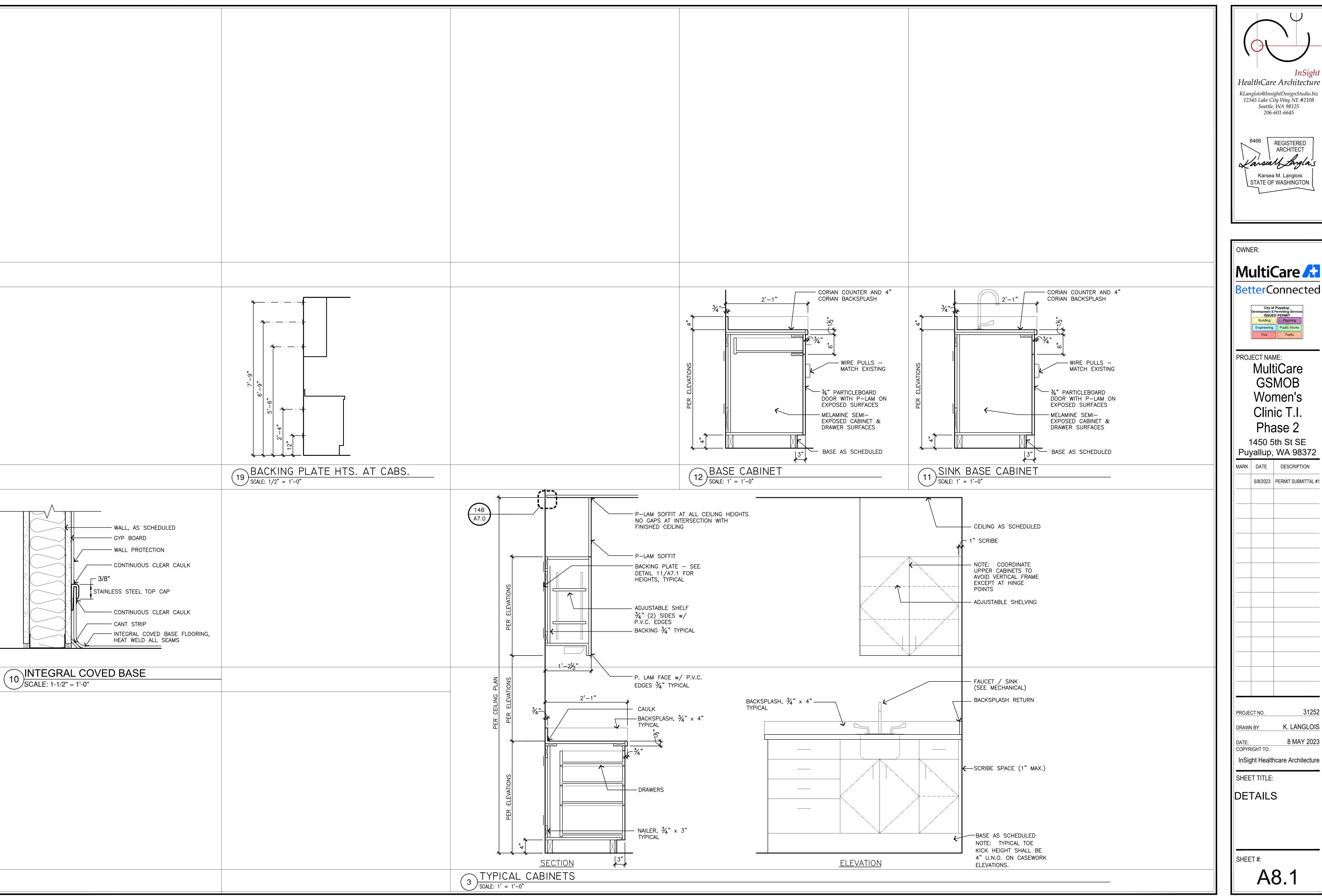
EACH SIDE

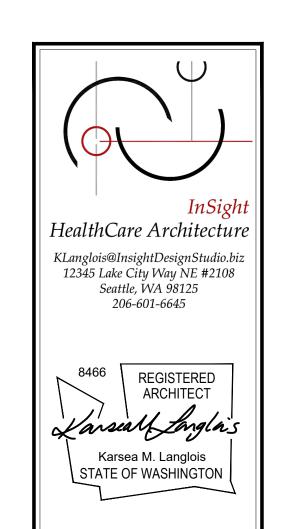
TYPE "X" GWB, TYP.,

-LINE OF FIN. CEILING, SEE

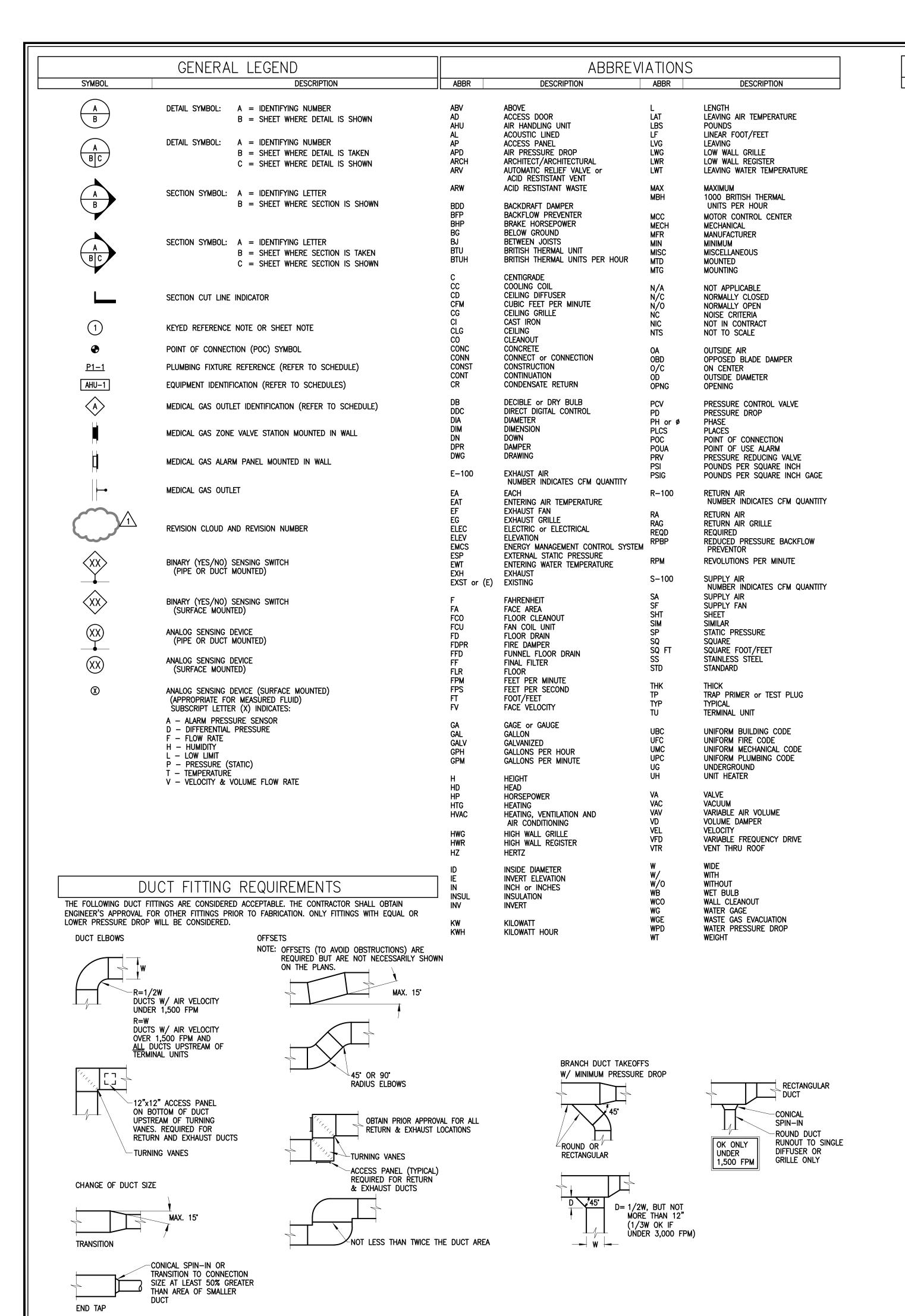
REFLECTED CEILING PLAN.

A8.0





OWN	ER:	
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PROJE	CT NO.	31252
DRAWN		K. LANGLOIS
DATE:		8 MAY 2023
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	ABBR DESCRIPTION			DRAWING INDEX
				DIAMINO INDEA
	LIGHT LINEWORK INDICATES		SHEET NUMBER	DESCRIPTION
	EXISTING DUCT OR EQUIPMENT		M0.1	MECHANICAL COVER SHEET, GENERAL NOTES, & INDEX
ı .			M0.2	MECHANICAL SCHEDULES
			M0.3	MECHANICAL SPECIFICATIONS
	INDICATES DUCT OR EQUIPMENT		M1.0	THIRD FLOOR OVERALL HVAC PLAN
	TO BE REMOVED		M1.1	THIRD FLOOR HVAC ENLARGED PLAN — DEMO
			M1.2	THIRD FLOOR HVAC ENLARGED PLAN — DEMO

M3.1

AIR DISTRIBILITION LEGEND

DUCT SIZE IN INCHES

ACOUSTIC LINED DUCT

(NOT TYPICALLY SHOWN)

(NOT TYPICALLY SHOWN)

ROUND DUCT IN INCHES

OVAL DUCT IN INCHES

CHANGE OF DUCT SIZE

FIRST SIZE LISTED IS SIDE SHOWN

DUCT OFFSET (UP) IN DIRECTION OF ARROW

DUCT OFFSET (DN) IN DIRECTION OF ARROW

CHANGE OF DUCT SIZE (TRIANGLE NOT ALWAYS SHOWN)

RECTANGULAR RETURN/EXHAUST DUCT ELBOW TURNED UP

RECTANGULAR SUPPLY DUCT ELBOW TURNED UP

RECTANGULAR RETURN/EXHAUST DUCT ELBOW

ROUND DUCT ELBOW TURNED DOWN OR AWAY

RECTANGULAR SUPPLY DUCT ELBOW

TURNED DOWN OR AWAY

TURNED DOWN OR AWAY

TURNED DOWN OR AWAY

END OF DUCT WITH CAP

FLEXIBLE DUCT

VOLUME DAMPER

INSULATION REQUIREMENTS

SUPPLY DUCTS: R-3.3 INSULATION FOR ALL SUPPLY DUCTS WITHIN THE BUILDING ENVELOPE. R-8

RETURN DUCTS (ALL DUCTS TRAVELING FROM SPACE BACK TO AN AIR HANDLER): R-8 INSULATION

DUCT CONSTRUCTION AND SEALING REQUIREMENTS

2" STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL

1" STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL

PENETRATIONS SEALED (SMACNA SEAL CLASS A). SPIRAL LOCK SEAMS IN ROUND AND FLAT OVAL

2" STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL

PENETRATIONS SEALED (SMACNA SEAL CLASS A). 1" PRESSURE CLASS ACCEPTABLE BETWEEN

INSULATION FOR OUTDOOR DUCTS OR DUCTS WITH OUTDOOR AIR. R-6 FOR DUCTS IN

FOR OUTDOOR DUCTS AND R-6 FOR DUCTS IN UNCONDITIONED SPACES.

ALL EXTERIOR DUCTS TO BE CLAD WITH ALUMINUM.

1. <u>SUPPLY DUCTWORK FROM AIR HANDLER TO TERMINAL UNITS</u>

PENETRATIONS SEALED (SMACNA SEAL CLASS A).

DUCTWORK DO NOT REQUIRE SEALING.

3. EXHAUST AND RETURN DUCTWORK:

GRILLES AND FIRST DAMPER.

2. SUPPLY DUCTWORK DOWNSTREAM OF TERMINAL UNITS:

DUCT ACCESS DOOR

FLEX

1. DUCT INSULATION REQUIREMENTS:

UNCONDITIONED SPACES.

SMALL RECTANGULAR DUCT ELBOW

ROUND DUCT ELBOW TURNED UP

(UNLESS INDICATED OTHERWISE)

SYMBOL

18x12"ø \ 18x12"ø (

18x12

► 18x10

GENERAL MECHANICAL NOTES

THIRD FLOOR HVAC ENLARGED PLAN

THIRD FLOOR HVAC ENLARGED PLAN

THIRD FLOOR HVAC ENLARGED PLAN

MECHANICAL DETAILS

- 1. CONTRACTOR SHALL SECURE, MAINTAIN, AND PAY FOR ALL REQUIRED PERMITS, LICENSES, AND INSPECTIONS FOR DURATION OF WORK UNLESS DIRECTED OTHERWISE.
- 2. MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE 2018 EDITIONS OF THE INTERNATIONAL MECHANICAL CODE, WASHINGTON STATE ENERGY CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, UNIFORM PLUMBING CODE, AND GOVERNING STATE AND LOCAL CODES AND ORDINANCES.
- 3. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.
- 4. ALL WORK SHALL COMPLY WITH THE OWNER'S REQUIREMENTS.
- 5. SUBSTITUTIONS OF EQUIPMENT OTHER THAN AS SPECIFIED SHALL BE THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DESIGN CHANGES OR IMPACTS THAT THE PROPOSED EQUIPMENT SUBSTITUTION HAS ON OTHER DISCIPLINES. ANY ADDITIONAL ELECTRICAL, STRUCTURAL, MECHANICAL, OR ARCHITECTURAL REQUIREMENTS SHALL BE PROVIDED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 6. PLANS AND SPECIFICATIONS SHALL BE TAKEN TOGETHER. PROVIDE ALL WORK CALLED FOR IN EITHER. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND PLANS THE MORE STRINGENT SHALL APPLY.
- 7. ALL EQUIPMENT AND MATERIAL ON THE JOB SITE PRIOR TO INSTALLATION SHALL BE COVERED AND PROTECTED FROM DIRT, DUST, AND DAMAGE.
- 8. PROVIDE ALL DEMOLITION WORK CALLED FOR OR REQUIRED BY THE INSTALLATION. REMOVE ALL EXISTING EQUIPMENT AND MATERIALS NOT REUSED UNLESS SPECIFIED OTHERWISE BY THE OWNER'S REP.
- 9. VERIFY PHYSICAL DIMENSIONS OF EQUIPMENT TO ENSURE THAT ACCESS CLEARANCES CAN BE MET. COORDINATE FINAL EQUIPMENT LOCATIONS W/ GENERAL CONTRACTOR AND OTHER TRADES TO ALLOW FOR REQUIRED MECHANICAL EQUIPMENT CLEARANCES.
- 10. PROVIDE NEC CODE MINIMUM HORIZONTAL AND VERTICAL WORKING CLEARANCES FOR ALL ELECTRICAL PANELS AND EQUIPMENT. OFFSET MECHANICAL WORK AS REQUIRED.
- 11. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF INSTALLATION STANDARDS AND CONSTRUCTION CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO SHOP FABRICATION AND/OR FIELD INSTALLATION. DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONSTRUCTION DRAWINGS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER. WORK DONE WITHOUT THE ENGINEERS APPROVAL IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 12. ALL MECHANICAL EQUIPMENT, MATERIALS, AND INSTALLATION SHALL BE PROVIDED BY THE CONTRACTOR. ALL EQUIPMENT SHALL BE COMPLETE, INSTALLED, AND FULLY FUNCTIONAL PRIOR TO FINAL ACCEPTANCE OF THE WORK.
- 13. INSTALL ALL EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS. ANY CONFLICTS BETWEEN THE MANUFACTURERS DOCUMENTATION AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 14. DO NOT ALLOW ANY WORK TO BE COVERED UP OR ENCLOSED UNTIL INSPECTED, TESTED AND APPROVED BY OWNER'S REPRESENTATIVE OR AUTHORITY HAVING JURISDICTION.
- 15. MECHANICAL EQUIPMENT SHALL NOT BE USED FOR TEMPORARY HEAT DURING CONSTRUCTION.

DESCRIPTION OF OPERATIONS

DESCRIPTION OF OPERATION

DESCRIPTIONS OF OPERATION ARE DESIGNED TO ILLUSTRATE BASIC CONTROL FUNCTIONS ONLY. CONTROLS MANUFACTURER IS TO MATCH EXISTING CONTROLS IN HOSPITAL. TEMPERATURE CONTROLS CONTRACTOR SHALL REVIEW DRAWINGS AND SUBMIT COMPLETE SEQUENCES OF OPERATION ALONG WITH INSTALLATION DATA, INCLUDING MINOR DETAILS, TO PROVIDE PROPER OPERATION IN THE SUBMITTAL. WHERE AN ITEM DIFFERS FROM SPECIFICATIONS, THE CONTROLS CONTRACTOR SHALL SUBMIT MANUFACTURER'S RECOMMENDATIONS SUBJECT TO ARCHITECT'S APPROVAL. WHERE SENSORS ARE SHOWN ON PLANS OR DIAGRAMS BUT NOT ADDRESSED IN DESCRIPTION, THEY SHALL STILL BE PROVIDED FOR MONITORING AND ALARMING PURPOSES.

GENERAL REQUIREMENTS

ALARM MESSAGES: PROVIDE CUSTOMIZED ALARM MESSAGES WITH WORDING AS REQUESTED BY THE OWNER. SUBMIT LIST OF ALARMS TO OWNER FOR APPROVAL. THE ALARMS SHALL BE DELIVERED AS TEXT MESSAGE, E-MAIL, OR BOTH BASED ON OWNER'S PREFERENCE.

TREND LOGS: PROVIDE TREND LOGS AS REQUESTED BY THE OWNER.

PACKAGED EQUIPMENT: CONTROLS AND COMPONENTS FURNISHED WITH PACKAGED UNITS MAY BE USED TO MEET SOME OR ALL CONTROL REQUIREMENTS. THE CONTROL SUBCONTRACTOR SHALL FURNISH ALL ADDITIONAL CONTROLS AND COMPONENTS, ALL INSTALLATION LABOR, AND ALL ADDITIONAL TESTING AND SETUP REQUIRED TO ACHIEVE COMPLETE CONTROL.

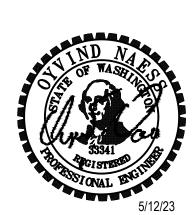
CONTROL POWER: REFER TO THE ELECTRICAL DRAWINGS AND SPECIFICATION FOR AVAILABLE CONTROL POWER LOCATIONS. THE BAS SUBCONTRACTOR IS RESPONSIBLE FOR BRINGING CONTROL POWER TO ALL CONTROL DEVICES EXCEPT WHERE POWER IS PROVIDED WITHIN A PACKAGED UNIT. AS AN ALTERNATIVE, THE BAS SUBCONTRACTOR CAN MAKE SPECIFIC ARRANGEMENTS WITH EQUIPMENT SUPPLIERS FOR CONTROL POWER TRANSFORMERS TO BE FURNISHED WITH EQUIPMENT (TERMINAL UNITS FOR EXAMPLE) HOWEVER CONTROL POWER FOR ONE PIECE OF EQUIPMENT SHALL NOT BE TAKEN FROM A TRANSFORMER POWERED THROUGH ANOTHER PIECE OF EQUIPMENT.

SYSTEM SPECIFIC REQUIREMENTS

VENTILATION AND HEATING/COOLING TO THE SPACE IS PROVIDED BY VAV WITH ELECTRIC REHEAT. THE SYSTEM IS TRANE TRACER (CONTACT LOCAL TRANE OFFICE).

PARALLEL FAN POWERED VAV: VAV SHALL MODULATE FROM MINIMUM PRIMARY AIRFLOW TO MAXIMUM PRIMARY AIRFLOW TO MAINTAIN SPACE TEMPERATURE COOLING SETPOINT. HEATING MODE: VAV SHALL BE AT MINIMUM PRIMARY AIR AND SHALL STAGE HEATER ON/OFF TO MAINTAIN SPACE TEMPERATURE HEATING SETPOINT.

SINGLE DUCT VAV: VAV SHALL MODULATE FROM MINIMUM PRIMARY AIRFLOW TO MAXIMUM PRIMARY AIRFLOW TO MAINTAIN SPACE TEMPERATURE COOLING SETPOINT. HEATING MODE: VAV SHALL BE AT HEATING AIRFLOW INDICATED IN SCHEDULE AND SHALL STAGE HEATER ON/OFF TO MAINTAIN SPACE TEMPERATURE HEATING SETPOINT.





OWNER:

MultiCare 🥂 BetterConnected

City of Puyallup elopment & Permitting Service ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic

PROJECT NAME: **MultiCare GSMOB** Women's Phase 2

1450 5th St SE

Pu	yallup,	WA 98372
MARK	DATE	DESCRIPTION
	5/12/2023	PERMIT SET
PROJE	CT NO.	230888
DDAW	J DV:	CEL

DRAWN BY:

12 MAY 2023 COPYRIGHT TO:

SHEET TITLE: **I** MECHANICAL COVER SHEET

			PAF	RALLEL FAN P	OWERED 1	ERMINAL U	JNIT (ELECT	RIC)						
			E	BASIS OF DESIGN	INLET SIZE	PRIMARY	AIR (CFM)	HEATI	NG CFM	FAN	LEAVING AIR TEMP	HEAT	ING COIL	
MARK	ROOM NUMBER	LOCATION	MFR	MODEL	IN	MINIMUM COOLING	MAXIMUM COOLING	FAN HEATING	TOTAL HEATING	HP	°F	KW	STAGES	REMARKS
2/3-6	3534, 3535	HALL 3519	TRANE	0602	6"	115	555	175	235	0.125	115	3.5	1	1
2/3-7	3531	HALL 3530	TRANE	0802	8"	110	625	180	290	0.125	109	4	1	1
2/3-10	3134	HALL 3128	TRANE	0602	6"	60	330	140	200	0.125	114	3	1	1
NOTES:	•		•	-	•	•	•	•	•	•	•	-	•	•

1. VAV TO BE REBALANCED TO ACCOMMODATE FOR NEW AIRFLOWS PROVIDED IN THIS SCHEDULE.

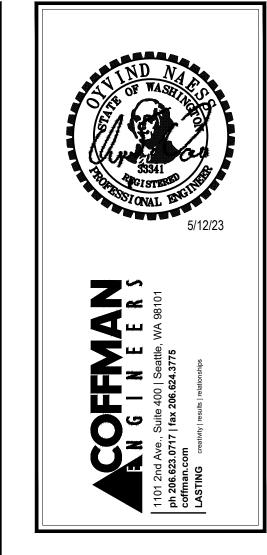
				TERM	IINAL UNIT	(ELECTRIC)					
			В	ASIS OF DESIGN	INLET SIZE	PRIMARY	'AIR (CFM)	HEATING	LEAVING AIR TEMP	HEAT	ING COIL	
MARK	ROOM NUMBER	LOCATION	MFR	MODEL	IN	MINIMUM COOLING	MAXIMUM COOLING	CFM	°F	KW	STAGES	REMARKS
2/4-13	3523	HALL 3520	TRANE	VCEF-08	8	144	185	185	87	2	1	2
1/3-3	3160	SUBWAIT 3154	TRANE	VCEF-06	6	115	320	255	80	2	1	1
2/3-2	3502	HALL 3520	TRANE	VCEF-08	8	325	510	325	79	2.5	1	1
2/3-5	3524	HALL 3530	TRANE	VCEF-06	6	280	350	280	83	2.5	1	1
2/3-11	3125, 3126, 3127	HALL 3121	TRANE	VCEF-08	8	320	605	320	80	2.5	1	1

1. EXISTING VAV TO BE REBALANCED TO ACCOMMODATE FOR NEW AIRFLOWS PROVIDED IN THIS SCHEDULE.

			HE	EALTH	ICARE A	IR CH	IANGE	ERAT	ES								
						ASHRAE 17	0 REQUIRE	MENTS				DES	SIGN AIRFLO	W CONDITION	ONS		
		FLOOR	ROOM	ROOM		OUTS	DE AIR	TO	ΓAL							MIN.	00011110
AREA SERVED	FUNCTION OF SPACE	AREA	HEIGHT	VOLUME	PRESSURE RELATIONSHIP	MIN. AIR CHANGES	MIN. AIR FLOW	MIN. AIR CHANGES	MIN. AIR FLOW	PRESSURE RELATIONSHIP	OUTSIDE AIR	COOLING SUPPLY	MIN. SUPPLY	EXHAUST	RETURN	TOTAL AIR CHANGES	COOLING TOTAL AIR CHANGES
		(SQ. FT.)	(FT.)	(CU. FT.)		(AC/HR)	(CFM)	(AC/HR)	(CFM)		(CFM)	(CFM)	(CFM)	(CFM)	(CFM)	(AC/HR)	(AC/HR)
3134 PROCEDURE #1	PROCEDURE ROOM	125	9.5	1188	Р	3	59	15.0	297	Р	180	300	297	0	0	15.2	15.2
3125 NST	GENERAL EXAMINATION ROOM	137	9.5	1302	-	2	43	4.0	87	-	131	135	87	0	0	4.0	6.2
3126 SOILED UTILITY	SOILED WORKROOM OR SOILED HOLDING	124	9.5	1178	N	2	39	10.0	196	N	119	120	0	196	0	0.0	6.1
3127 CLEAN STORAGE	CLEAN LINEN STORAGE ROOM	123	9.5	1169	Р	0	0	2.0	39	Р	0	40	39	0	0	2.1	2.1
3531 EXAM 10	GENERAL EXAMINATION ROOM	142	9.5	1349	-	2	45	4.0	90	-	136	350	90	0	0	4.0	15.6
3534 NST	GENERAL EXAMINATION ROOM	163	9.5	1549	-	2	52	4.0	103	-	156	455	103	0	0	4.0	17.6
3535 MED DIST	MEDICATION ROOM	41	9.5	390	-	2	13	4.0	26	-	39	100	26	0	0	4.0	15.4
3503 POCT	TREATMENT ROOM	67	9.5	637	-	2	21	6.0	64	-	64	65	64	0	0	6.1	6.1

	_				- 00 4 1	·/=>:=::					
			F	<u>ISHRAL</u>	<u>= 62.1 </u>	<u>VENTILA I</u>	TION CALCS	1			
					ASHRAE	62.1 OUTDOOR AIR	RATE		D	ESIGN OUTDOOR AIR F	RATE
ROOM	AREA [ft2]	OCCUPANTS (COUNT)	DESCRIPTION	CFM/ PERSON	CFM/SF	CALCULATED O/A [CFM]	AIR DISTRIBUTION EFFECTIVENESS	REQUIRED O/A TO ZONE [CFM]	O/A PERCENTAGE	MIN PRIMARY AIR TO SPACE [CFM]	O/A PROVIDED TO SPACE [CFM]
3523 OFFICE	133	6	Office Space	5	0.06	47	0.8	144	33%	183	60
3524 SURGICAL SCHEDULE	100	2	Office Space	5	0.06	20	0.8	61	33%	85	28
3502 PROVIDER OFFICE	100	2	Office Space	5	0.06	20	0.8	61	33%	85	28
3153 HALL	92	0	Corridors	0	0.06	7	0.8	21	33%	16	5
3160 PROVIDER OFFICE	99	2	Office Space	5	0.06	20	0.8	60	33%	63	21
3151A VITALS	86	1	Corridors	0	0.06	6	0.8	20	33%	27	9

DIFFUSER AND GRILLE SCHEDULE								
MARK	TYPE	NC	BASIS OF DESIGN	REMARKS				
CD-1	CEILING DIFFUSER	25	TITUS MCD	MODULAR CORE DIFFUSER, LAY-IN				
RG-1	CEILING EXHAUST GRILLE, ALUMINUM	25	TITUS 350FL	ALUMINUM, LOUVERED, 3/4" BLADE SPACING, 35° DEFLECTION, LAY-IN				
EG-1	CEILING EXHAUST GRILLE, ALUMINUM	25	TITUS 350FL	ALUMINUM, LOUVERED, 3/4" BLADE SPACING, 35° DEFLECTION, LAY-IN				



OWN	ER:	
		Care A
	Development &	Puyallup Permitting Services D PERMIT Planning Public Works Traffic
	GS Wor Clin Pha	iCare MOB men's ic T.I. ase 2 oth St SE WA 98372
MARK	DATE	DESCRIPTION
	5/12/2023	PERMIT SET

PROJECT NO.

12 MAY 2023 DATE: COPYRIGHT TO:

SHEET TITLE: MECHANICAL SCHEDULES

MECHANICAL SPECIFICATIONS

- MECHANICAL WORK, GENERAL
- A. GENERAL REQUIREMENTS
- I. Contract Requirements: Comply with Bidding and Contract Requirements as outlined by the Owner and Architect. Work Included: This section applies to all mechanical work normally specified under Divisions 22 and 23. Provide all materials, labor, equipment, tools, field design, shop drawings, hoisting, scaffolding, supervision and overhead for the construction, installation, connection, testing and operation of all mechanical work as shown and specified. The word "provide" used hereinafter means to furnish and install. All work and materials required for complete
- functioning systems are not outlined here, but shall be provided as part of this work. 3. Codes: Comply with all applicable codes and ordinances of the local and state code enforcing agencies. Obtain permits, approvals, and inspections, and pay all costs and fees for permits, reviews, and inspections.
- 4. Abbreviations: Where abbreviations are used in the specifications and on the drawings, the common industry definition shall apply unless indicated otherwise. The term A/E shall refer to the project architect and mechanical consulting engineer as if one organization.
- 5. Submittals: Submit product data and shop drawings for all significant materials, equipment, and fixtures to the A/E for review. Allow reasonable time for review and return prior to ordering. PDF (electronic) submittals area acceptable, if paper copies are submitted assume Owner and A/E will retain a total of three copies of submittals. 6. Safety Measures: Provide a safe environment to protect employees and all others from injury. Comply with local, state and federal safety and health regulations for construction. B. PERFORMANCE OF WORK
- 1. Coordination: Coordinate mechanical work with all other trades and take all measurements necessary to ensure proper installation of mechanical work prior to start of fabrication. This contractor shall create building information models (BIM) and/or large-scale detail drawings where necessary to coordinate work in tight areas. The contract drawings do not attempt to show exact locations of ductwork, piping, fixtures, and equipment, or all transitions and offsets that will be necessary for installation. All necessary transitions and offsets shall be provided as part of this
- work without added compensation. 2. Continuity of Service: Any systems or services within existing occupied buildings shall be maintained with minimum interruption. Coordinate any needed interruptions with the owner. Any overtime work required by this project to maintain existing buildings in continuous service, without reducing their efficiency, shall be included as a part of this contract.
- 3. Demolition: Provide mechanical system demolition in areas of existing buildings to accommodate installation of new work. Existing piping, valves, and ductwork, where indicated on the drawings, may be reused in their original location. Do not reuse existing piping, valves, or ductwork once they are removed, unless written permission is obtained from Owner. Remove all unused piping and ductwork located in remodel areas of existing buildings. 4. Cutting and Patching: Provide all cutting of building construction, as required for this work. Keep cutting to a minimum, and use saw cutting to maintain neat, even openings. Unless patching is included under other divisions of this specification, provide patching at all cutting locations. All patching shall conform to specifications for the new general construction work. Finish to match existing work. C. PROJECT COMPLETION
- 1. Record Drawings (As-Builts): Corrections and changes made during the progress of the work shall be neatly recorded as actually installed for as—built records. Furnish one clean set to the A/E upon completion of the project. 2. Operation and Maintenance Manuals: Provide (3) finished copies of Mechanical Operation and Maintenance Manuals, for work under this project. Arrange information contained in the manuals in an orderly arrangement (by specification section), separated by tabs. Provide equipment manufacturer, model number, size, capacity, performance data, schedule of routine maintenance, suppliers lists, list of replacement parts, and include any shop drawings.
- 3. Owner Instruction: Contractor shall instruct the Owner in the use and operation of all systems installed under this Contract. Obtain Owner's written acceptance that they have been adequately trained.
- 4. Guarantee: Guarantee materials and workmanship for a period of one year after the date of substantial completion. Refer to additional requirements outlined by Architect and Owner.

BASIC MATERIALS AND METHODS (APPLIES TO ALL WORK)

- A. GENERAL
- . Work Included: This section applies to all mechanical work normally specified under Divisions 21, 22 and 23, and represents requirements in addition to the requirements stated in other sections. These specifications do not cover all items that will be required for complete and working systems. Where materials or equipment needed for this project are not covered in these specifications, provide the materials and equipment of a quality equal to or better than that generally utilized by the industry for similar projects in the same geographic area B. SUPPORT AND HANGERS
- 1. Support of Mechanical Systems: Each piece of equipment shall be supported (from above or below) in not less than four corners from the building structure. Piping and ductwork shall be supported at intervals specified, with each system supported independently from the building structure.

2. Seismic Bracing: Provide complete seismic bracing for all new piping, ductwork, terminal units and equipment as

- required by the current IBC with all local amendments and ASCE/SCI 7-10 (the current code). Bracing may be per quidelines established by restraint manufacturers such as; Mason Industries and I.S.A.T provided they meet the current code. All bracing shall be designed and manufactured by Mason, I.S.A.T, or prior—approved alternate. 3. Connections to the Building Structure: Provide all necessary connections to the building structure for seismic restraints and supports. Where concrete structure is present, review the use of concrete anchors with the Architect. Owner, and General Contractor, and verify that there are no post-tensioned slabs or other conditions that need to be taken into account in setting of anchors. Utilize McCullough "Kwik—Bolt", Phillips self—drilling anchors, Gregory "Bulldog," Omark "Drill Anchors", or other approved anchor to attach to concrete structures. Where building structure is wood or steel, obtain architect approval of hardware and methods to be utilized for attachment to the structure. 4. Additional Framing: Provide steel framing members to transfer load from support points at hangers to locations where connections can be made to the building structure. Framing members shall be 12-gauge minimum, 1-3/8" x 1-5/8" minimum cross—section size; Unistrut, Powerstrut, or other approved. Select member size and type, as
- 5. Pipe Hangers: Clevis or ring hangers with steel rods. Hangers for insulated piping shall be sized for outside insulation and 6" shields shall be provided at all hangers to protect insulation. Pipe support spacing per IMC. Provide plastic separation between clamps and copper pipe.

6. Hanger Rods: Hot rolled steel rod, ASTM A 36; size to "Code for Pressure Piping", ANSI B 31.1, with safety

- factor of 5. Minimum rod size; 1" pipe and smaller (240 pounds) = 1/4" rod, 1-1/4" to 2" pipe (to 610 pounds) = 3/8" rod, 2-1/2" to 4" pipe (to 1,130 pounds) = 1/2" rod, 5" to 8" pipe (to 1,810 pounds) = 5/8" rod. 7. Install high density pre-molded pipe insulation 180 degrees (half-shells) on bottom half of pipe at supports for piping greater than 1" in diameter, 6" long for piping 6" in size or smaller. For cold pipe supports use 3.0 pcf density Polyisocyanurate insulation. Hot pipe supports shall be high density polyisocyanurate for fluids up to 300 F, or calcium silicate. Insulation at supports shall have same thickness as adjacent insulation.
- 8. Vibration Isolation: Vibration isolators for hanging equipment shall be equal to mason industries model 30n, combination spring and double deflection neoprene hanger, deflection as recommended by manufacturer. Vibration isolators for base mounted equipment shall be equal to mason industries model SLF, deflection as recommended by manufacturer.
- C. EQUIPMENT AND PIPING IDENTIFICATION

appropriate for load per manufacturer guidelines.

- 1. Nameplates: Provide nameplate for each piece of equipment, including equipment number and any special instruction for its use; laminated black and white plastic with lettering cut through to white background. Minimum size 3" x 1".
- 2. Pipe Identification: All piping in serviceable locations (including above lay—in ceilings) shall be identified with semi-rigid plastic or adhesive identification markers. Markers shall conform to ANSI A13.1. "Scheme for the Identification of Piping Systems". Locate markers adjacent to each valve, at minimum 30' centers with at least one marker between any two partitions. Provide direction of flow arrows at markers. D. MISCELLANEOUS MATERIALS AND ACCESSORIES
- 1. Dielectric Unions: Provide at each pipe connection between dissimilar metals. 2 inches and smaller, 250 psia at 180 deg. F., ANSI B16.39. Over 2" use flange fittings, ANSI B16.42 (iron) or ANSI B16.24 (bronze). Watts 3000 series, Epco or equivalent.
- 2. Fire Sealing at Rated Walls and Floors: Provide UL listed fire rated putty at all pipe penetrations of rated walls and floors. Putty shall be installed strictly per manufacturer instructions with sleeves where required. Overall installation shall meet code requirements. Pipe insulation shall not be continuous through fire rated walls or floors. 3. Motors: Unless otherwise specified, all electric motors furnished shall conform with the requirements of NEMA MG1 "Motors and Generators." Provide minimum motor efficiencies as required by the Energy Code. 4. Interconnecting Wiring: Provide any necessary interconnecting wiring between individual components and
- accessories furnished with mechanical equipment packages (unless that wiring is specifically called for on the electrical drawings). Wiring and wiring accessories shall be in accordance with Division 26 specifications (and/or the specifications on the electrical drawings) and local Electrical Code. Wiring shall be in conduit or raceway. Wiring shall be provided at the expenses of the subcontractor furnishing the equipment package. E. EXECUTION OF WORK
- . Installation, General: Follow manufacturer's instructions and utilize good industry practice when installing all work.
- Use only skilled tradespeople with qualified supervision. All work shall be left neat and clean.
- 2. Concealment: Piping and ductwork shall be concealed within building construction, unless specifically indicated otherwise. Where piping is indicated to be exposed to view in finished spaces or cabinets, provide chrome escutcheons where the piping penetrates the wall, floor or ceiling construction
- 3. Water Sealing at Floors: Provide water tight sealing at each floor penetration including piping within wall cavities. Provide water sleeves sealed to the floor construction and projecting not less than 1.5" above floor where insulated piping penetrates the floor. The intent is to minimize passage of water during a significant water leakage event. Sealing is required for concrete floors, but not required for other floor systems where the construction itself. at the pipe penetration, allows significant water seepage (planked wood floor for example).

- 4. Coordination with Other Trades: Complete drawings and specifications of all trades will be furnished or will be available for inspection in the construction office at the jobsite. Carefully check these drawings and specifications before installing any work. In all cases, consider the work of all other trades and coordinate work with that of the Sheet Metal, Piping, Plumbing, Electrical, and Site-work subcontractors, so that the best arrangement of all equipment, piping, conduit, ducts, and other related items can be obtained.
- MECHANICAL INSULATION A. GENERAL

B. INSULATION MATERIALS

- 1. Manufacturers: Manville, Owens-Corning, Certainteed, or Knauf. Install in accordance with manufacturer's
- 2. Insulation Thickness: Refer to Insulation Requirements on the drawings for systems to be insulated and thickness of insulation.
- 1. Duct and Plenum Insulation: Fiberglass, 0.75—pound density, flexible duct insulation with kraft vapor barrier. Vapor barrier shall be sealed at all joints and access doors, etc. In general, installation must reflect careful workmanship, neat in appearance.

AIR DISTRIBUTION A. DUCTWORK AND ACCESSORIES

- 1. Ductwork: Ductwork shall be galvanized steel, except where flexible duct is allowed per this specification. All ductwork and accessories shall comply with the standards presented within the most recent issue of SMACNA "HVAC Duct Construction Standards—Metal and Flexible" and with the requirements of this specification (whichever is more stringent). Longitudinal and transverse joints, seams, and connections of all duct systems shall be securely fastened and sealed with welds, gaskets, mastics, or tapes in accordance with the manufacturer's installation instructions and the drawing notes.
- 2. Duct Sealing Compound: Benjamin Foster Type 30-03, or United Sheet Metal manufacturer adhesive. 3. Duct Liner: Acoustical duct lining shall be 1-inch thick, unless otherwise noted, Owens-Corning Aeroflex Type 300 complying with fire classification requirements of NFPA 90a and 90b. Adhere liner to duct with fire resistant adhesive and welded pin type mechanical fasteners as indicated in SMACNA Standards. Seal all edges. 4. Duct Insulation: Wrapped ductwork insulation shall be 0.75 lb./cu ft, 1-1/2-inch-thick glass fiber with laminated kraft-foil vapor barrier complying with fire classification requirements of NFPA 90 and 90b. Refer to the current
- energy code for specific insulation as applicable. 5. Flexible Ducts: Acceptable only where indicated on the drawings. Exterior reinforced laminated vapor barrier, 2.0-inch thick fiber glass insulation (k = .25 at 75 degrees F.), encapsulated spring steel wire helix and impervious, smooth, non-perforated interior vinyl liner. UL 181 listed with flame-spread rating not over 25, smoke-developed rating not over 50. Minimum length 6', maximum length 8', minimum of 1 elbow, not greater than 2 elbows. Use Flexmaster USA Type 8M, R-6.0.
- 6. Flexible Connectors: Provide flexible connectors at fans and equipment that do not have internal vibration isolation. Indoor: UL Listed Hypolon coated glass fabric or neoprene coated nylon fabric. Flame resistant to 250 f. 24 oz / sq. yd. Durodyne "Neoprene" or Elgen "Hypolon".
- 7. Duct Access Doors: Provide in sufficient quantity, locations, and sizes to provide proper access to dampers and equipment that may require service. Ventlock with piano hinge and/or cam latches. Supply duct access doors shall be double wall, with 1" insulation.
- 8. Volume Dampers: Balancing Dampers shall be per SMACNA Standards. Heavy duty quadrants with setting scale and secure locking thumb nuts. 9. Fire Dampers: 1-1/2 hour rated, dynamic, UL listed fire dampers, each with frame and sleeve, listed for vertical
- and/or horizontal installation, with fusible link rated to close at 165 F. Oversize dampers as required to result in not less than 85 percent free area for low velocity ducts and 100 percent free area for medium or high velocity ducts. Install per manufacturer instructions.
- 10. Combination Fire Smoke Dampers: Dampers shall be UL 555 1-1/2 hour and UL 555S Class I leakage classified. Dampers shall have a normally-closed 120 volt damper motor and reusable resettable link closure device rated to close at 165 F. If a fire alarm system is not present, provide as part of the damper package a UL listed duct—mounted smoke detector located just upstream of the damper, along with field wiring to the damper motor and all accessories to close the damper on detection of smoke. Smoke detector shall be Simplex with aux. contacts rated for 120 VAC, and shall include a ceiling—mounted annunciator light mounted below the damper. B. DIFFUSERS AND GRILLES
- 1. General: Provide all diffusers and grilles consistent with the performance, manufacturer, model number, and accessories, as specified or indicated on the drawing schedules and notes. GRD suppliers shall verify that model numbers are consistent with capacity, features, and accessories called for, and identify any conflicts prior to submitting quotations to contractors. Alternate manufacturers will be considered; however, A/E final approval of equality of alternate manufacturer models is required. Acceptable alternate manufacturers include Anemostat, Carnes, J&J, Krueger, Price, Shoemaker, and Titus, or as indicated or prior—approved otherwise. Alternate manufacturers with prior approval are still responsible for meeting or exceeding the quality and features of the specified items. 2. Diffuser and Grille Frames and Color: Off-white color to match ceiling grid. Refer to architectural drawings and provide frame style to suit ceiling type (lay-in, plaster, etc.). Where installed in hard ceilings, provide opposed blade damper adjustable from below. Ceiling grilles shall be installed such that blade openings face toward nearest wall to
- limit sight into duct or plenum. Wall Grilles: Single deflection for return and exhaust, adjustable double deflection for supply (unless noted otherwise.) Refer to drawing notes and schedules for more information. Provide opposed blade dampers where "registers" are indicated. Exposed (front) blades shall be horizontal (unless noted otherwise).
- C. AIR HANDLING FOUIPMENT 1. Equipment, General: Provide all equipment and terminal units consistent with the size, capacity, manufacturer, model number, and accessories, as specified or indicated on the drawing schedules and notes. Equipment suppliers shall verify that model numbers and sizes are consistent with capacity, features, and accessories called for, and identify any conflicts prior to submitting quotations to contractors. All equipment with electrical components shall have UL listing and high short circuit current ratings (SCCR) where required by the electrical inspector. Alternate manufacturers will be considered; however, A/E final approval of equality of alternate manufacturer models is required. Acceptable alternate manufacturers include Greenheck, Penn, Cook, McQuay, Trane, Carrier, York, Titus, Carnes, Enviro—Tec. or as indicated or prior approved otherwise. Alternate manufacturers with prior approval are still responsible for meeting or exceeding the guality and features of the specified items.

CONTROLS A. GENERAL

- 1. Work Included: Provide complete, operating control systems meeting the requirements indicated on the sequence of operation (see drawings). All electrical components shall have UL listing where available. The control system shall be manufactured and installed by the owner preferred BAS contractor and shall be fully integrated into the existing system. Alternate installers or manufacturers will be considered; however, A/E final approval of equality of alternates is required. Alternate installers and manufacturers with prior approval are still responsible for meeting or exceeding the quality, features, and capabilities of the specified.
- 2. Control System Design: Provide all design work for control systems. Prepare complete shop drawings showing all wiring and submit to the A/E for review along with control component submittals. Provide thorough coordination with the electrical subcontractor and other mechanical trades, as well as equipment suppliers.
- 3. Testing: Provide thorough testing of the completed control systems to ensure that they perform as required. Refer to the WSEC C408.
- B. MISCELLANEOUS CONTROL ACCESSORIES
- 1. General Accessories: Provide all items, whether addressed herein or not, required for a complete and operating system consistent with industry standards. Refer to the sequence of operation for requirements relating to certain
- 2. Control Valves (small): All valves 125 psig minimum working pressure. All valves shall give effective control at any pressure differential to 50 psig. Globe-style or ball-style, two-way proportional type or three-way mixing type as indicated. Bronze body for size 2 inches and smaller. Except for differential pressure control valves, pressure drop not to exceed 3 psig at maximum flow rate unless indicated otherwise. Size valves as close as possible for 3 psig pressure drop.
- 3. Motorized Dampers: Provide low leakage dampers. Dampers shall have blade seals and stops, equal to Ruskin CD36. Outdoor air intake and exhaust dampers shall be Class 1A (maximum leakage of 4 cfm per square foot at 1" w.c.) and automatically close when the system is off.
- 4. Actuators: Provide in sufficient size, quantity, and type matched to application. Provide one actuator for each control valve, and for every 20 square feet of damper. Actuators shall be floating or spring return, as indicated by Normally-Closed or Normally-Open designation on drawings or in sequence of operation.
- 5. Power supply: Assume one 120-volt power circuit will be made available for control power by the electrical subcontractor unless more circuits are specifically indicated on the electrical drawings. Provide power transformer(s) sized for the control power needs at the location indicated (or near the electrical panel if not indicated) and provide 24 volt power wiring to all control devices.
- 6. Control wiring: All wiring shall be in conduit in equipment rooms. Wiring shall not be exposed to view in finished spaces. Wiring outside equipment rooms shall be in conduit except plenum—rated wiring may be run without conduit in concealed space where similar (data or communication) cable is allowed to be run without conduit per the electrical specifications. Wiring shall run at right angles to building lines and supported as high as possible above accessible ceilings not more than 48" on center.
- TESTING. ADJUSTING AND BALANCING
- 1. Testing and Adjusting: Subject systems to such operating tests as are required to determine that the equipment installed will operate per the specified capacity, ranges, and sequence of operation. Simulate all normal and possible abnormal conditions to verify proper operation in all conditions. If tests do not demonstrate satisfactory system performance, correct deficiencies and retest systems. Contractor shall furnish to the Owner a signed statement indicating that testing has confirmed proper operation of all systems.

2. Balancing: Provide the services of a qualified balancing firm to obtain air flows within +0-10% of the amounts indicated on the drawings. Balancing firm shall be a member of NEBB or AABC. Obtain A/E approval of the balancing firm at beginning of project. Provide drive adjustments as required to obtain the flows, and provide total flow, pressure, rpm and amperage measurements at all equipment. At the completion of the project, complete and signed balancing reports shall be submitted to the A/E and Owner indicating all measured values along with corresponding design values and notes/discussion where results were not within 10% of design values.

END OF MECHANICAL SPECIFICATION

1. ALL MOTORS SIZED FROM 1/12 HP TO 1 HP SHALL BE ELECTRONICALLY COMMUTED (EC) MOTORS OR SHALL HAVE A MINIMUM EFFICIENCY OF 70 PERCENT (IN ACCORDANCE WITH DOE 10 CFR 431). MOTORS SHALL ALSO BE EQUIPPED WITH MEANS TO ADJUST MOTOR SPEED PER 2018 WSEC C405.8.

2018 WSEC HVAC NOTES

- 2. HEATING AND COOLING LOADS HAVE BEEN PERFORMED PER ASHRAE STANDARDS. HVAC EQUIPMENT SIZED NO LARGER THAN THE NEXT LARGEST UNIT AVAILABLE ABOVE THE CALCULATED HEATING/COOLING LOADS PER 2018 WSEC C403.3.1.
- 3. CONTROLS TO USE A 5°F MINIMUM DEADBAND BETWEEN HEATING AND COOLING PER 2018 WSEC C403.4.1.2.
- 4. INTERIOR VAV BOXES SHARING AN OPEN SPACE WITH PERIMETER VAV BOXES SHALL NOT PROVIDE COOLING UNLESS ZONE TEMPERATURE IS 5°F ABOVE PERIMETER ZONE TEMPERATURE PER 2018 WSEC C403.4.1 EXCEPTION 2.
- 5. AUTOMATIC SETBACK/SHUTOFF: PROVIDE WITH DDC CONTROL SYSTEM AS PER 2018 WSEC C403.4.2.2.
- 6. AUTOMATIC START AND STOP CONTROLS: PROVIDE WITH AUTOMATIC START AND STOP CONTROLS AS PER 2018 WSEC C403.4.2.3.
- WHERE LOCATED WITHIN UNCONDITIONED SPACE AND PLENUMS ALL SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION.
- 8. RETURN OR EXHAUST DUCTWORK THAT IS LOCATED WITHIN A CONDITIONED SPACE AND CONVEYS RETURN OR EXHAUST AIR DOWNSTREAM OF AN ENERGY RECOVERY DEVICE SHALL BE INSULATED WITH A MINIMUM R-VALUE IN ACCORDANCE WITH TABLE C403.10.1.2
- 9. PROVIDE HIGH PRESSURE DUCT LEAK TEST AS SPECIFIED AND REQUIRED PER 2018 WSEC C403.10.2.3.
- 10. ENERGY METERING: METERS ARE PROVIDED FOR ENERGY SOURCES AS PER 2018 WSEC C409 INCLUDING 409.3.1 FOR ALL HVAC EQUIPMENT WITH THE EXCEPTION OF ENERGY SERVING PROCESS LOADS. SERVICE WATER HEATING OR OTHER MISCELLANEOUS LOADS PER C409.3
- 11. ALL HVAC EQUIPMENT SHALL MEET MINIMUM EFFICIENCY REQUIREMENTS INDICATED IN TABLES C403.3.2(1) THROUGH C403.3.2(12). WHERE MULTIPLE RATING REQUIREMENTS EXIST, THE EQUIPMENT SHALL SATISFY ALL STATED REQUIREMENTS.

Provide SMACNA or other specified details by the mechanical engineer for seismic and sway bracing, to the inspectors at cover inspections.

GENERAL HVAC NOTES

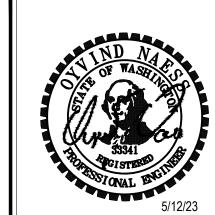
- SHEET METAL DUCTWORK AND COMPONENTS INCLUDING HANGING, SEALING, PLENUMS, & ACCESSORIES SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF SMACNA STANDARDS FOR HVAC DUCT CONSTRUCTION, NFPA 90A, & 90B STANDARDS. EARTHQUAKE BRACE ALL DUCTS 28" DIA AND LARGER WHICH ARE SUSPENDED MORE THAN 12" BELOW STRUCTURAL SYSTEM.
- 2. PROVIDE EARTHQUAKE RESTRAINT FOR HVAC EQUIPMENT IN ACCORDANCE WITH THE CURRENT IBC 1613.
- 3. ALL DUCTWORK OPENINGS SHALL BE COVERED DURING CONSTRUCTION. ALL DAMPERS TO BE SET TO FULL OPEN DURING CONSTRUCTION PRIOR TO BALANCING.
- 4. PROVIDE ULLISTED FLEXIBLE CONNECTION ON INTAKE AND DISCHARGE OF ALL MECHANICAL EQUIPMENT. HVAC UNIT FLEXIBLE DUCT CONNECTIONS SHALL BE MINIMUM OF 6 INCHES LONG AND HELD IN PLACE WITH HEAVY METAL BANDS, SECURELY ATTACHED TO PREVENT ANY LEAKAGE AT THE CONNECTION POINTS. FLEXIBLE CONNECTIONS SHALL BE FABRICATED FROM APPROVED FLAME PROOF FABRIC CONFORMING TO NFPA 90A. ASBESTOS CLOTH IS NOT ACCEPTABLE.
- 5. CONTRACTOR SHALL PROVIDE TRANSITION TO CONNECT TO ALL MECHANICAL EQUIPMENT.
- 6. DUCT DIMENSIONS SHOWN ARE INSIDE SHEET METAL DIMENSIONS OR CLEAR OPENING INSIDE LINED DUCT. THE FIRST NUMBER REPRESENTS THE WIDTH OF DUCT IN PLAN VIEW.
- 7. ALL FLBOWS SHALL BE LONG RADIUS FLBOWS WHEREVER POSSIBLE OR SHALL HAVE TURNING VANES WHERE INDICATED ON PLANS. NO SQUARE THROAT OR ZERO RADIUS ELBOWS
- 8. ALL DUCT BRANCH CONNECTIONS TO DIFFUSERS OR GRILLES AND TO OR FROM MAIN DUCTS. SHALL INCLUDE MANUAL VOLUME DAMPERS. ALL SPIN-IN FITTINGS SHALL BE CONICAL, RECTANGULAR BRANCH DUCT TAKEOFFS SHALL HAVE 45° TAKEOFFS.
- 9. PROVIDE CONCEALED OR REMOTE DAMPER REGULATORS OR ACCESS DOORS FOR ALL MANUAL VOLUME DAMPERS LOCATED THAT ARE INACCESSIBLE. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. ALL FINAL ACCESS DOOR LOCATIONS SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- 10. 24"X24" ACCESS DOORS SHALL BE PROVIDED FOR ALL MECHANICAL EQUIPMENT LOCATED ABOVE GYPSUM BOARD CEILINGS. ALL FINAL ACCESS DOOR LOCATIONS SHALL BE APPROVED

BY ARCHITECT PRIOR TO INSTALLATION.

- 11. PROVIDE FIRE DAMPERS, SMOKE DAMPERS AND FIRE/SMOKE DAMPERS WHERE INDICATED ON PLANS AND AS REQUIRED BY IBC 717. PROVIDE CEILING FIRE DAMPERS WHERE INDICATED ON PLANS AND AS REQUIRED BY IBC 717.6.2.1. INSTALL FIRE DAMPERS SMOKE DAMPERS AND FIRE/SMOKE DAMPERS IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS, THE TERMS OF THEIR LISTING, AND THE REQUIREMENTS OF THE CURRENT IMC.
- 12. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOORS SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
- 13. CONTRACTOR SHALL FURNISH COMBINATION STARTERS SIZED IN ACCORDANCE WITH THE MOTOR RATING OF THE MECHANICAL EQUIPMENT. STARTERS SHALL BE SUPPLIED WITH FUSES OR CIRCUIT BREAKERS. CONTROL TRANSFORMER, OVERLOADS, ONE N.O. AND ONE N.C. AUXILIARY CONTACT AND H.O.A. SWITCH MOUNTED IN THE COVER. STARTER ENCLOSURE SHALL BE NEMA RATED FOR ITS LOCATION. STARTER SHALL BE INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR. MOTOR STARTERS NOT LISTED AS BEING PROVIDED IN THE HVAC EQUIPMENT SCHEDULES ARE TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
- 14. FLEXIBLE DUCTWORK SHALL BE RATED CLASS I, WHEN TESTED UNDER THE REQUIREMENTS OF UL181. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED (6) FEET.
- 15. FLEX AND DUCTWORK SHALL NOT BE CONNECTED DIRECTLY TO DIFFUSER OR GRILLES UNLESS INDICATED IN DRAWINGS. DIFFUSER / GRILLE BOXES WITH LINER AND PERFORATED DIFFUSER PLATES SHALL BE USED.
- 16. PROVIDE DIFFUSER AND GRILLE FRAMES COMPATIBLE WITH ARCHITECTURAL CEILING TYPES AND COORDINATE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELECTRICAL LIGHTING LAYOUT.
- 17. ALL DUCTWORK VISIBLE THROUGH RETURN OR SUPPLY GRILLES TO BE PAINTED FLAT BLACK.
- 18. COORDINATE LOCATIONS OF ALL ROOM THERMOSTATS OR ROOM TEMPERATURE SENSORS WITH ARCHITECT PRIOR TO INSTALLATION.
- 19. SUPPLY DUCTWORK: 2" STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS SEALED (SMACNA SEAL CLASS A). SPIRAL LOCK SEAMS IN ROUND AND FLAT OVAL DUCTWORK DO NOT REQUIRE SEALING.
- 20. SUPPLY DUCTWORK DOWNSTREAM OF TERMINAL UNITS: 1" STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS. LONGITUDINAL SEAMS. AND DUCT WALL PENETRATIONS SEALED (SMACNA SEAL CLASS A). SPIRAL LOCK SEAMS IN ROUND AND FLAT OVAL DUCTWORK DO NOT REQUIRE
- 21. EXHAUST AND RETURN DUCTWORK: 2" STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS. LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS SEALED (SMACNA SEAL CLASS A). 1" PRESSURE CLASS ACCEPTABLE BETWEEN GRILLES AND FIRST DAMPER.
- 22. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723, EXCEPT AS NOTED IN SECTIONS 602.2.1.1 THROUGH 602.2.1.7 OF THE CURRENT IMC.

2018 WSEC COMMISSIONING NOTES

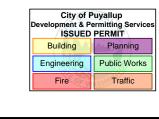
- 1. DOCUMENTS DESCRIBED IN 2018 WSEC C103.6, INCLUDING RECORD DOCUMENTS, MANUALS, COMPLIANCE DOCUMENTATION, AND SYSTEM OPERATION TRAINING, SHALL BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 180 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.
- 2. A FINAL COMMISSIONING REPORT AS DESCRIBED BY 2018 WSEC C408.1.3 SHALL BE REQUIRED AND INCLUDES FUNCTIONAL PERFORMANCE TEST RESULTS, DESCRIPTIONS OF DEFICIENCIES & DETAILS OF CORRECTIVE MEASURES, AND FUNCTIONAL PERFORMANCE TEST RESULTS.
- 3. MECHANICAL EQUIPMENT AND CONTROLS SHALL BE COMMISSIONED PER 2018 WSEC C408.2. FUNCTIONAL PERFORMANCE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH 2018 WSEC
- 4. PROVIDE SERVICE WATER HEATING COMMISSIONING PER 2018 WSEC C408.3.
- 5. PROVIDE METERING COMMISSIONING PER 2018 WSEC C408.6.





OWNER: | MultiCare 👫

BetterConnected



PROJECT NAME: **MultiCare GSMOB** Women's

Phase 2

1450 5th St SE Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	5/12/2023	PERMIT SET
PRO.IF	CT NO.	230888

DRAWN BY:

12 MAY 2023

SHEET TITLE: MECHANICAL SPECIFICATIONS

SHEET #:

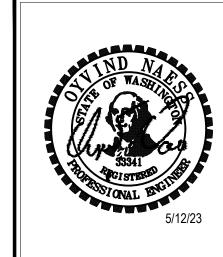
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GENERAL NOTES

1. ARROWS INDICATE ROOM PRESSURIZATION AS REQUIRED BY CODE.







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ı		Engineering Fire	Public Works Traffic					

MultiCare
GSMOB
Women's
Clinic T.I.
Phase 2

1450 5th St SE
Puyallup, WA 98372

MARK DATE DESCRIPTION

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 PROJECT NO.
 2308

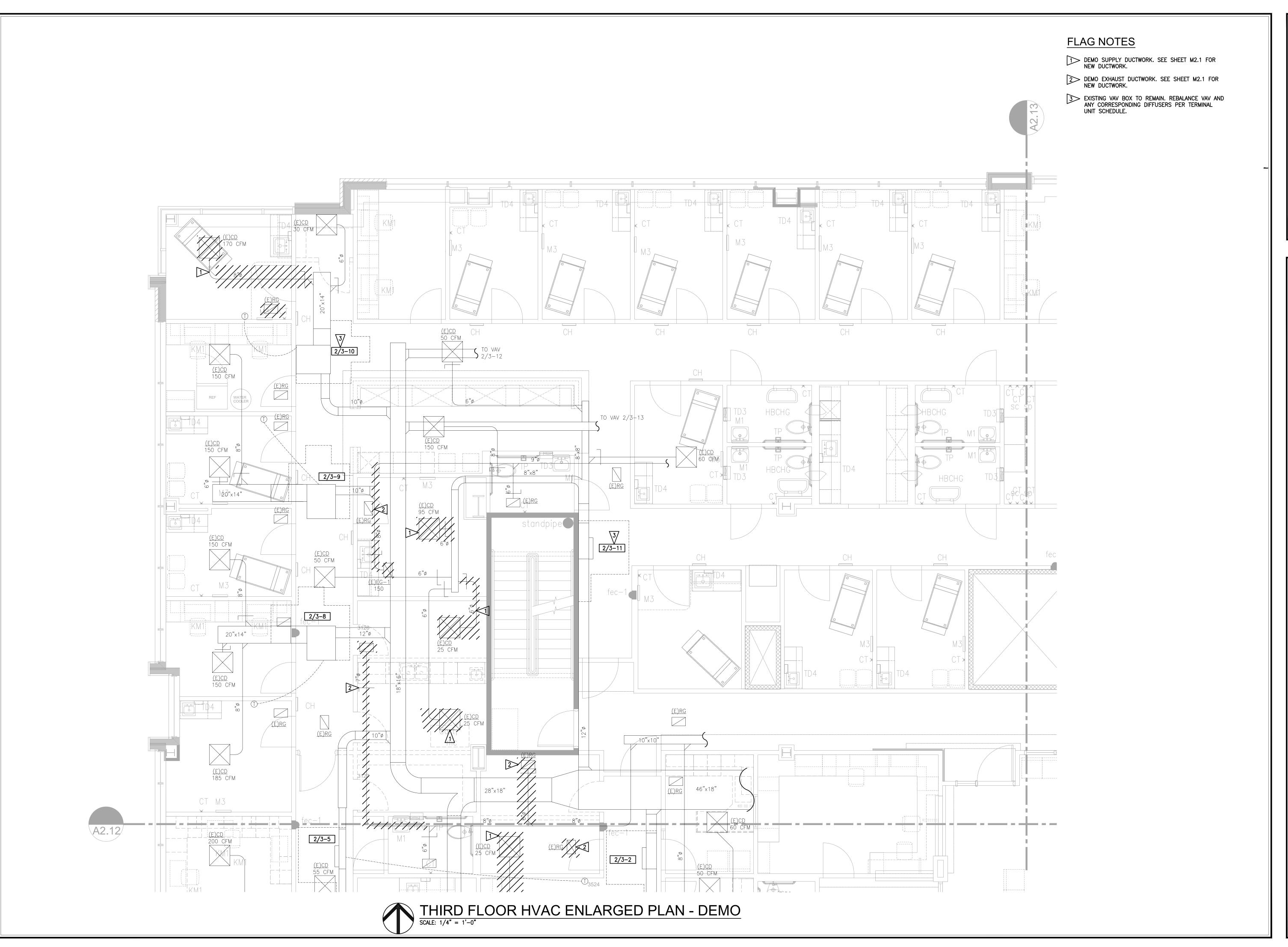
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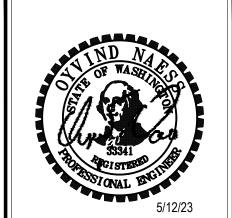
DATE: 12 MAY 2023 COPYRIGHT TO:

SHEET TITLE:
THIRD FLOOR
OVERALL HVAC
PLAN

SHEET #:

M1.0





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Phase 2

1450 5th St SE Puyallup, WA 98372

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DATE	DESCRIPTION
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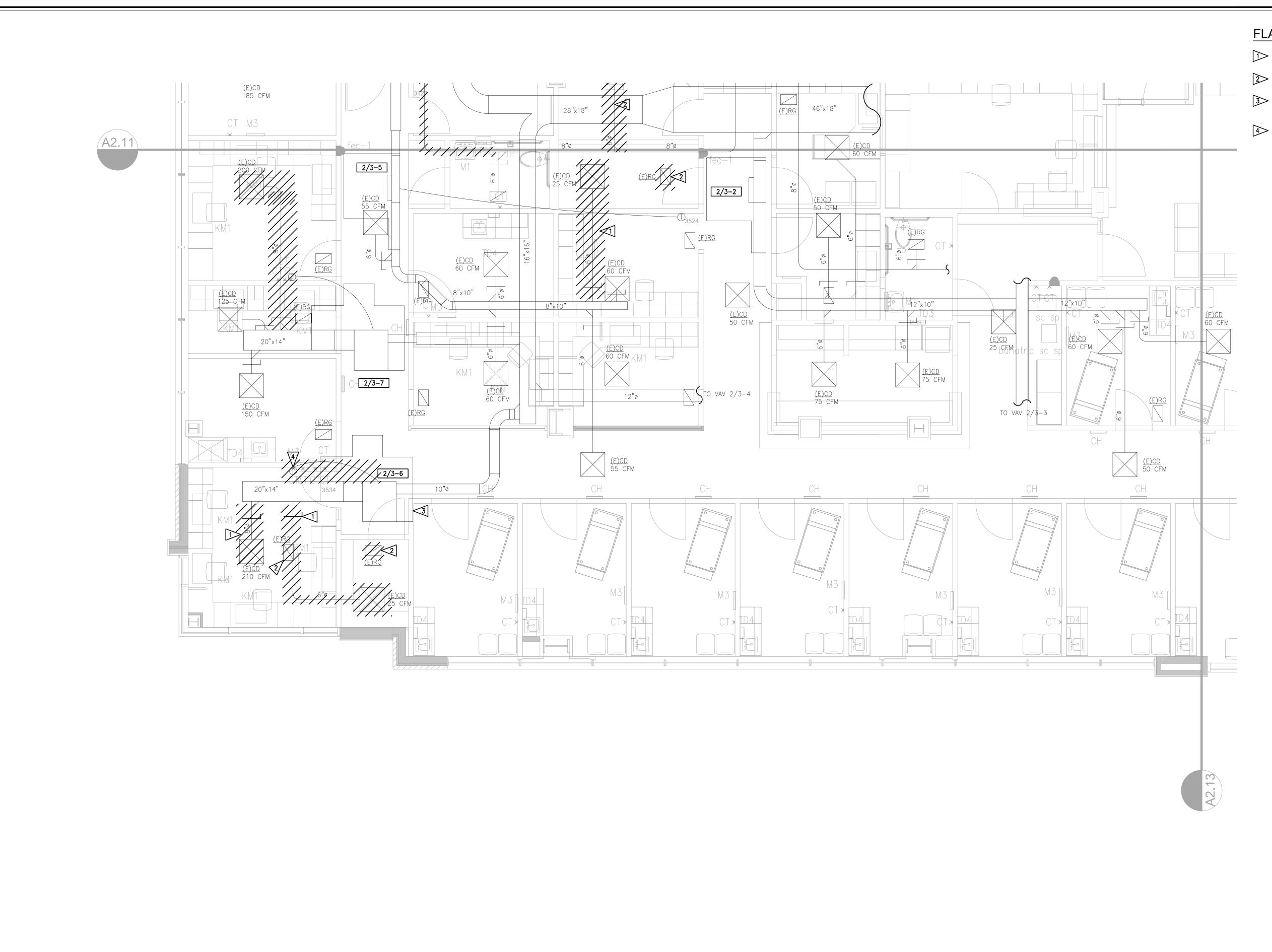
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DATE: 12 MAY 2023 COPYRIGHT TO:

SHEET TITLE:
THIRD FLOOR HVAC
ENLARGED PLAN DEMO

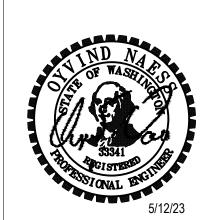
SHEET #:

M1.1



FLAG NOTES

- DEMO SUPPLY DUCTWORK. SEE SHEET M2.2 FOR NEW DUCTWORK.
- DEMO EXHAUST/RETURN GRILLES. SEE SHEET M2.2 FOR NEW DUCTWORK.
- EXISTING VAV BOX TO REMAIN. REBLANCE VAV AND ANY CORRESPONDING DIFFUSERS PER TERMINAL UNIT SCHEDULE.
- EXISTING TSTAT TO BE RELOCATED. SEE SHEET M2.2.



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MultiCare

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City of Puyallup

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

PROJECT NAME:

MultiCare
GSMOB
Women's
Clinic T.I.
Phase 2

1450 5th St SE Puyallup, WA 98372

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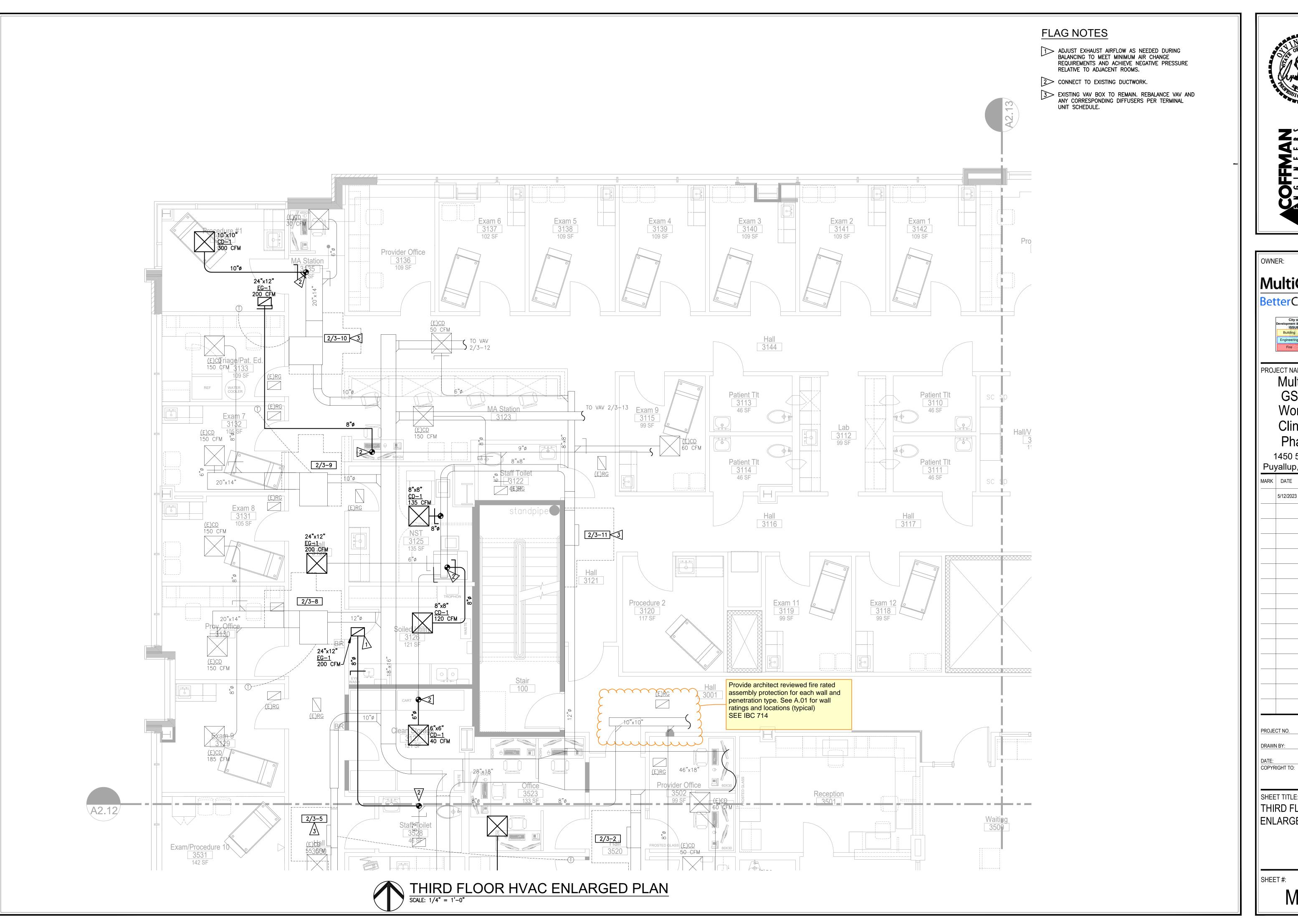
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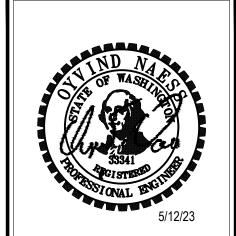
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SHEET TITLE:
THIRD FLOOR HVAC
ENLARGED PLAN DEMO

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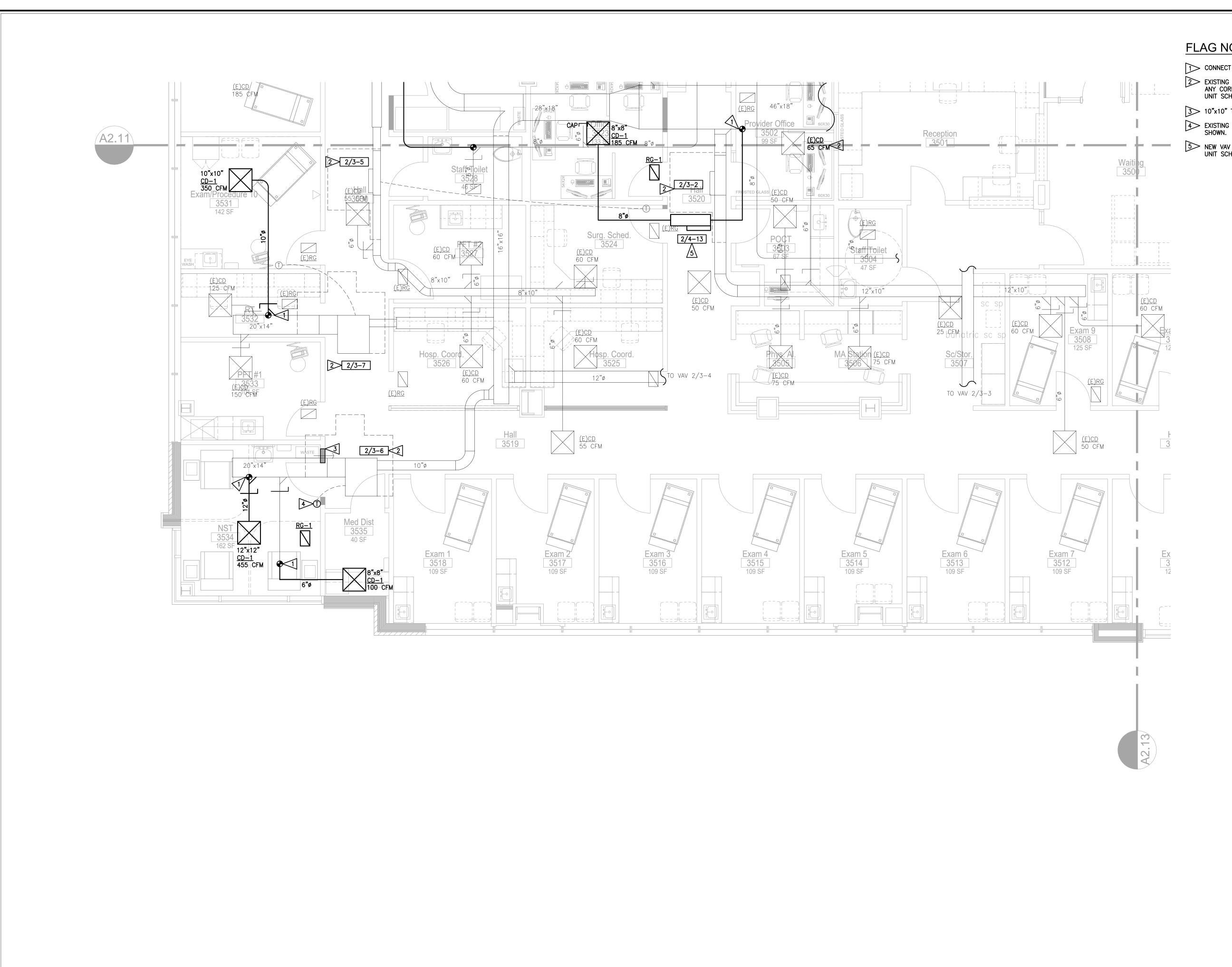
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12 MAY 2023

THIRD FLOOR HVAC ENLARGED PLAN

SHEET #:

M2.1



THIRD FLOOR HVAC ENLARGED PLAN

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

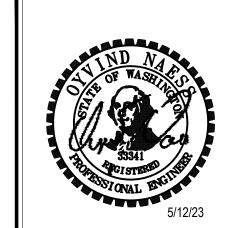


1 CONNECT TO EXISTING DUCTWORK.

2 EXISTING VAV BOX TO REMAIN. REBALANCE VAV AND ANY CORRESPONDING DIFFUSERS PER TERMINAL UNIT SCHEDULE.

3> 10"x10" TRANSFER OPENING ABOVE CEILING. 4 EXISTING TSTAT TO BE RELOCATED ON WALL

5 NEW VAV BOX TO BE BALANCED PER TERMINAL UNIT SCHEDULE.



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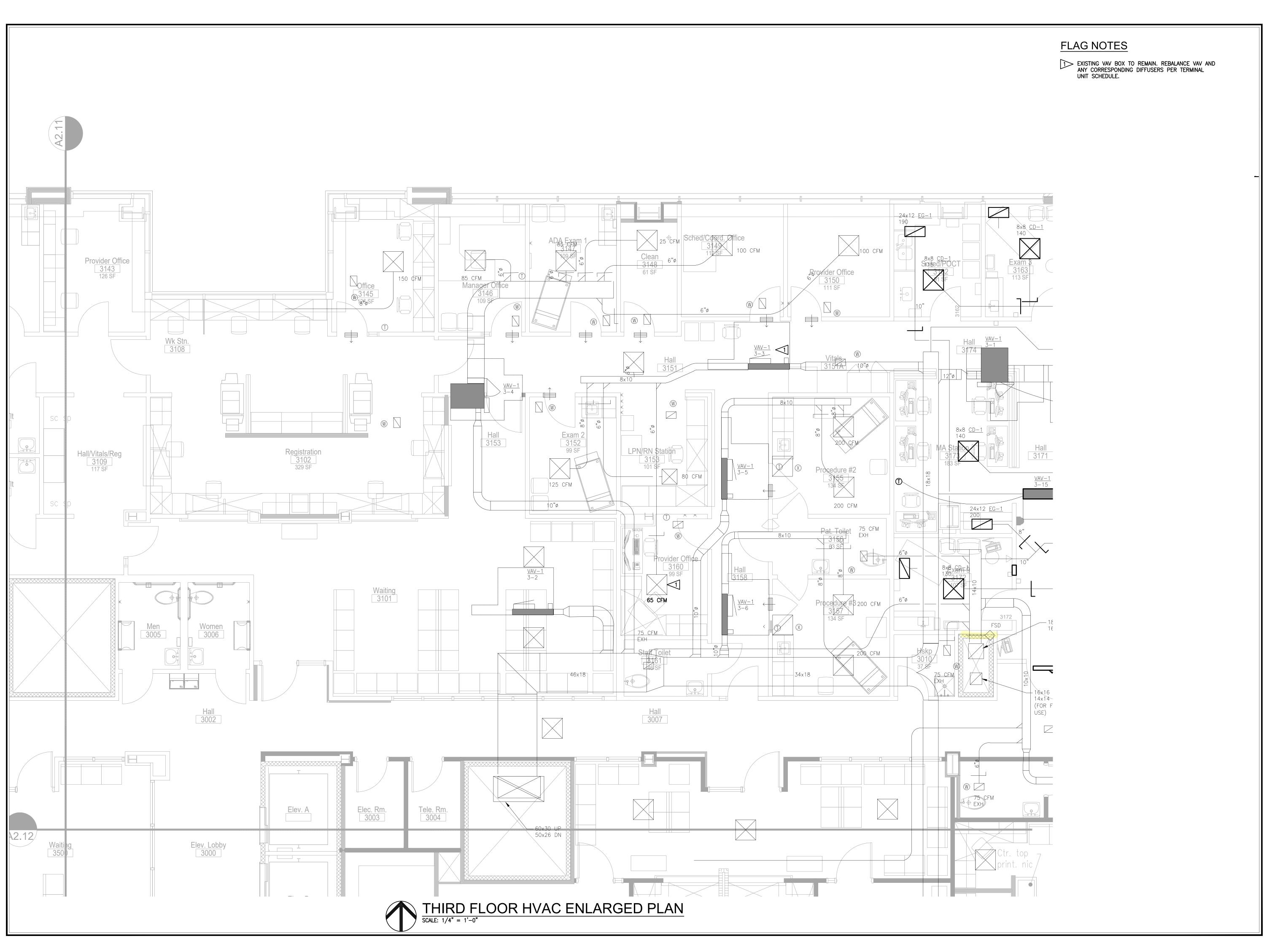
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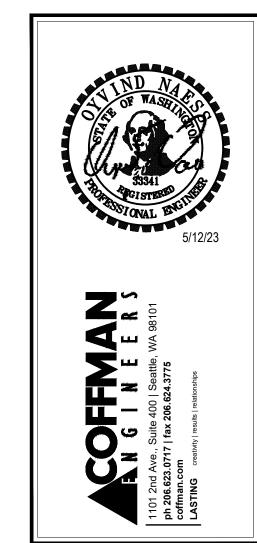
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SHEET TITLE: THIRD FLOOR HVAC ENLARGED PLAN

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M2.2

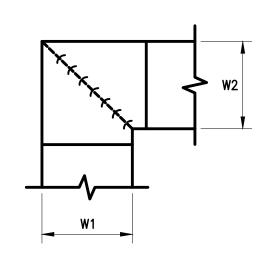




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ENLARGED PLAN

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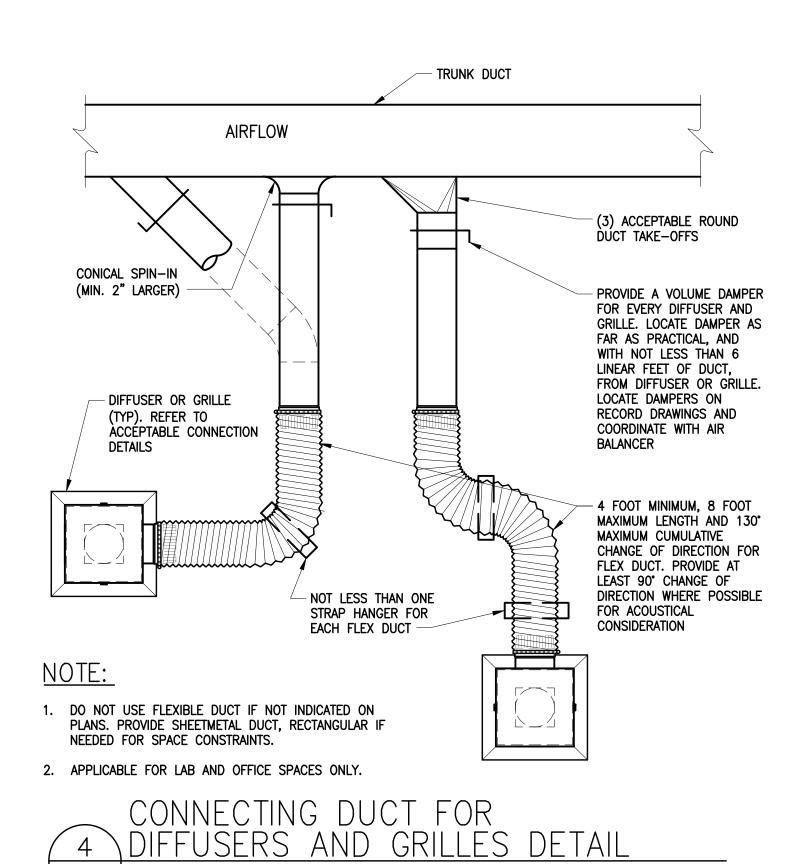


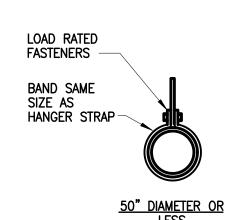
NOTES:

M3.1 / SCALE: NTS

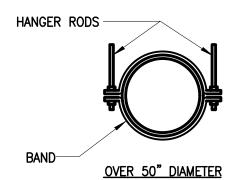
ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
 WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION, UNLESS OTHERWISE NOTED.
 ALL SINGLE THICKNESS VANES SHALL HAVE A 2" [50mm] RADIUS, 1 1/2" [40mm] MAXIMUM SPACE BETWEEN VANES, AND A 3/4" [20mm] TRAILING EDGE.
 WHEN W EQUALS W2, AND W1 IS GREATER THAN 20" [500mm], VANES SHALL BE DOUBLE VANE TYPE, UNLESS OTHERWISE NOTED.

1 MITERED DUCT ELBOWS W/VANES M3.1 SCALE: NONE





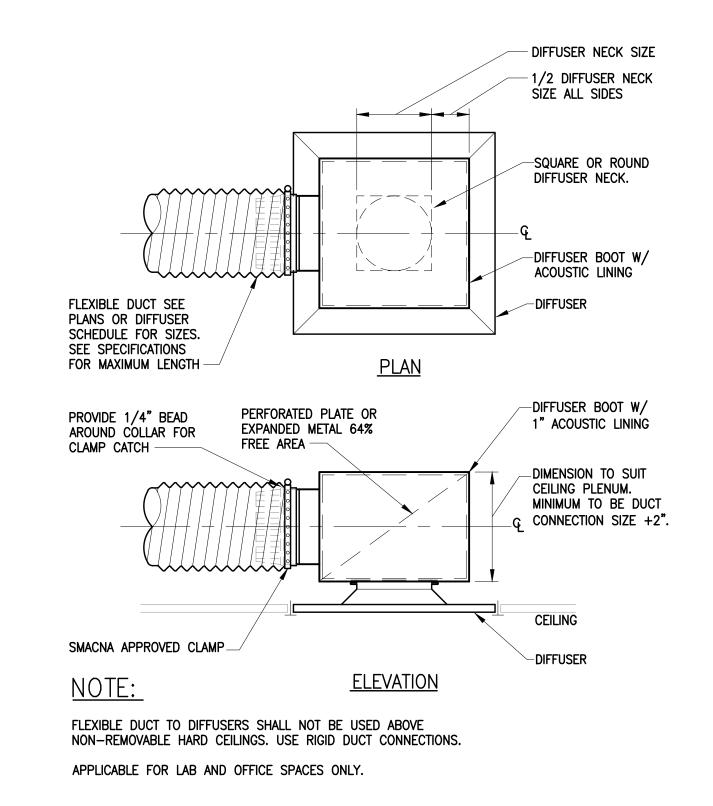
	HANGER STRAPS OR	RODS	
MAX. DUCT Ø IN. [mm]	QUANTITY/SIZE IN. [mm]	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]
26 [650]	ONE 1 [25] x 22 GA STRAP	260 [119]	144 [3600]
36 [900]	ONE 1 [25] x 18 GA STRAP	420 [190]	144 [3600]
50 [1250]	ONE 1 [25] x 16 GA STRAP	700 [317]	144 [3600]
60 [1500]	TWO 3/8 [10]Ø. RODS	1320 [598]	144 [3600]
84 [2100]	TWO 1/2 [13]Ø RODS	2500 [1133]	144 [3600]



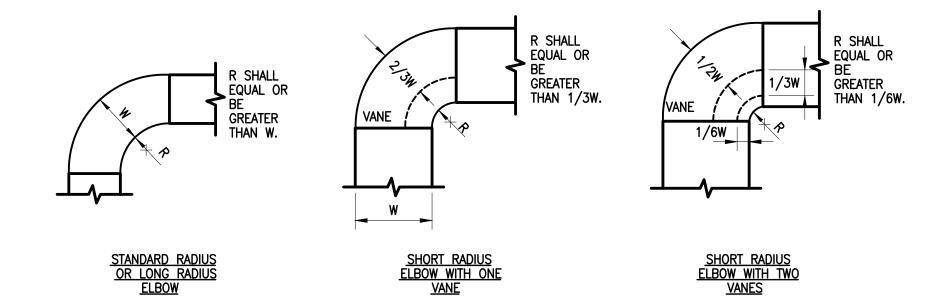
NOTES:

1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD





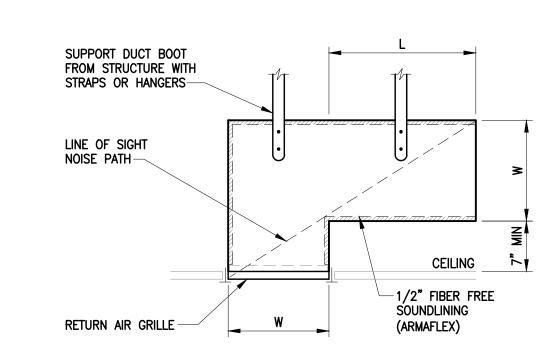
5 DIFFUSER CONNECTION DETAIL
M3.1 SCALE: NTS



NOTES:

- 1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
- 2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.





NOTES:

- 1. RETURN AIR BOOT SHALL BE CONSTRUCTED OF SHEET METAL W/ 1/2" FIVER FREE SOUND LINING.
- 2. INSIDE OF BOOT SHALL BE PAINTED FLAT BLACK.
- 3. DIMENSION "W" IS EQUAL TO GRILLE WIDTH.
- 4. DIMENSION "L" SHALL BE SUFFICIENT TO PREVENT "LINE OF SIGHT" NOISE PATH OR 2'-0" MIN.





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MultiCare
GSMOB
Women's
Clinic T.I.
Phase 2

1450 5th St SE
Puyallup, WA 98372

MARK DATE DESCRIPTION

5/12/2023 PERMIT SET

	5/12/2023	PERMIT SET
PROJE	CT NO.	230888

 PROJECT NO.
 230888

 DRAWN BY:
 CE

DATE: 12 MAY 2023 COPYRIGHT TO:

SHEET TITLE:

MECHANICAL

DETAILS

SHEET #:

M3.1

B D D A B C S	DESCRIPTION DETAIL SYMBOL: A = IDENTIFYING NUMBER B = SHEET WHERE DETAIL IS SHOWN DETAIL SYMBOL: A = IDENTIFYING NUMBER B = SHEET WHERE DETAIL IS TAKEN C = SHEET WHERE DETAIL IS SHOWN DETAIL SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS SHOWN DETAIL SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS TAKEN C = SHEET WHERE SECTION IS TAKEN C = SHEET WHERE SECTION IS SHOWN	ABBR ABV AD AHU AL AP APD ARCH ARV ARW BDD BFP BHP	DESCRIPTION ABOVE ACCESS DOOR AIR HANDLING UNIT ACOUSTIC LINED ACCESS PANEL AIR PRESSURE DROP ARCHITECT/ARCHITECTURAL AUTOMATIC RELIEF VALVE or ACID RESTISTANT VENT ACID RESTISTANT WASTE BACKDRAFT DAMPER	ABBR L LAT LBS LF LVG LWG LWG LWR LWT	DESCRIPTION LENGTH LEAVING AIR TEMPERATURE POUNDS LINEAR FOOT/FEET LEAVING LOW WALL GRILLE LOW WALL REGISTER LEAVING WATER TEMPERATURE	SYMBOL	ABBR	DESCRIPTION LIGHT LINEWORK INDICATES EXISTING PIPING OR EQUIPMENT INDICATES PIPING OR EQUIPMENT	PIPING LE SYMBOL	ABBR	DESCRIPTION PIPE END CAP PIPE TURNING DOWN OR AWAY	SH
A B D A B C S	DETAIL SYMBOL: A = IDENTIFYING NUMBER B = SHEET WHERE DETAIL IS SHOWN DETAIL SYMBOL: A = IDENTIFYING NUMBER B = SHEET WHERE DETAIL IS TAKEN C = SHEET WHERE DETAIL IS SHOWN SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS SHOWN SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS TAKEN	ABV AD AHU AL AP APD ARCH ARV ARW BDD BFP	ABOVE ACCESS DOOR AIR HANDLING UNIT ACOUSTIC LINED ACCESS PANEL AIR PRESSURE DROP ARCHITECT/ARCHITECTURAL AUTOMATIC RELIEF VALVE or ACID RESTISTANT VENT ACID RESTISTANT WASTE	L LAT LBS LF LVG LWG LWR LWT	LENGTH LEAVING AIR TEMPERATURE POUNDS LINEAR FOOT/FEET LEAVING LOW WALL GRILLE LOW WALL REGISTER			LIGHT LINEWORK INDICATES EXISTING PIPING OR EQUIPMENT		'	PIPE END CAP	
B D A B C S	B = SHEET WHERE DETAIL IS SHOWN DETAIL SYMBOL: A = IDENTIFYING NUMBER B = SHEET WHERE DETAIL IS TAKEN C = SHEET WHERE DETAIL IS SHOWN SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS SHOWN SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS TAKEN	AD AHU AL AP APD ARCH ARV BDD BFP	ACCESS DOOR AIR HANDLING UNIT ACOUSTIC LINED ACCESS PANEL AIR PRESSURE DROP ARCHITECT/ARCHITECTURAL AUTOMATIC RELIEF VALVE or ACID RESTISTANT VENT ACID RESTISTANT WASTE	LBS LF LVG LWG LWR LWT	LEAVING AIR TEMPERATURE POUNDS LINEAR FOOT/FEET LEAVING LOW WALL GRILLE LOW WALL REGISTER	·/////////////////////////////////////		EXISTING PIPING OR EQUIPMENT		CAP		
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A B C S	B = SHEET WHERE DETAIL IS TAKEN C = SHEET WHERE DETAIL IS SHOWN SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS SHOWN SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS TAKEN	ARCH ARV ARW BDD BFP	AIR PRESSURE DROP ARCHITECT/ARCHITECTURAL AUTOMATIC RELIEF VALVE or ACID RESTISTANT VENT ACID RESTISTANT WASTE	LWG LWR LWT	LOW WALL GRILLE LOW WALL REGISTER			TO BE REMOVED ——	<u> </u>		PIPE TURNING UP OR TOWARD	
A B	C = SHEET WHERE DETAIL IS SHOWN SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS SHOWN SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS TAKEN	ARV ARW BDD BFP	AUTOMATIC RELIEF VALVE or ACID RESTISTANT VENT ACID RESTISTANT WASTE	LWT		33	SS	SANITARY SEWER - OUTSIDE BUILDING AND -			PIPE TURNING DOWN OR AWAY (TEE)	-
A B	SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS SHOWN SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS TAKEN	ARW BDD BFP	ACID RESTISTANT VENT ACID RESTISTANT WASTE			cn	SD	BELOW GROUND STORM DRAIN — OUTSIDE BUILDING AND	\longrightarrow	<u> </u>	REDUCER (NOT TYPICALLY SHOWN)	
B	B = SHEET WHERE SECTION IS SHOWN SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS TAKEN	BDD BFP			MAXIMUM		20	BELOW GROUND ——	•		PIPE CONNECTION	
→ ,	SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS TAKEN	BFP	DACKUDAET DAMBED	MAX MBH	1000 BRITISH THERMAL		W	WASTE (& SOIL) - ABOVE GROUND - INTERIOR			DIDE ANGUAD	—
A B C	B = SHEET WHERE SECTION IS TAKEN	BHP	BACKFLOW PREVENTER	MCC	UNITS PER HOUR MOTOR CONTROL CENTER		W	WASTE (& SOIL) — BELOW GROUND — INTERIOR	X		PIPE ANCHOR (NOT ALWAYS SHOWN, SEE SPECIFICATIONS)	
A B C	B = SHEET WHERE SECTION IS TAKEN	BG	BRAKE HORSEPOWER BELOW GROUND	MECH MFR	MECHANICAL MANUFACTURER		٧	VENT	<u>=</u>		PIPE ALIGNMENT GUIDES	
BC	B = SHEET WHERE SECTION IS TAKEN	BJ BTU	BETWEEN JOISTS BRITISH THERMAL UNIT	MIN	MINIMUM	——————————————————————————————————————	ARW ARV	ACID RESISTANT WASTE ACID RESISTANT VENT	<u>—</u>		(NOT ALWAYS SHOWN, SEE SPECIFICATIONS)	
	C = SHEET WHERE SECTION IS SHOWN	BTUH	BRITISH THERMAL UNITS PER HOUR	MISC MTD	MISCELLANEOUS MOUNTED		CW	COLD WATER — DOMESTIC		НВ	HOSE BIBB	
		С	CENTIGRADE	MTG	MOUNTING		HW	HOT WATER - DOMESTIC		WH/NFWH	WALL HYDRANT or NON-FREEZE WALL HYDRANT	
•		CC CD	COOLING COIL CEILING DIFFUSER	N/A N/C	NOT APPLICABLE NORMALLY CLOSED		HWC	HOT WATER CIRCULATING - DOMESTIC	 II	CO/WCO	CLEANOUT or WALL CLEANOUT	
S	SECTION CUT LINE INDICATOR	CFM CG	CUBIC FEET PER MINUTE CEILING GRILLE	N/O	NORMALLY OPEN NOISE CRITERIA	RD	RD	RAINWATER DRAINAGE - ABOVE GROUND		FCO/SCO	FLUSH CLEANOUT or SURFACE CLEANOUT	
		CI	CAST IRON CEILING	NIC	NOT IN CONTRACT	RD	RD	RAINWATER DRAINAGE — BELOW GROUND	 \$	FDC	FIRE DEPARTMENT CONNECTION	
(1) K	KEYED REFERENCE NOTE OR SHEET NOTE	CCC	CLEANOUT	NTS	NOT TO SCALE	ORD	ORD	RAINWATER DRAINAGE OVERFLOW — ABOVE GROUND	D		FIRE SPRINKLER ALARM GONG	
⊕ P	POINT OF CONNECTION (POC) SYMBOL	CONC CONN	CONCRETE CONNECT or CONNECTION	OA OBD	OUTSIDE AIR OPPOSED BLADE DAMPER	ORD	ORD	RAINWATER DRAINAGE OVERFLOW — BELOW GROUND	F	AD	AREA DRAIN	
<u>P1–1</u> P	PLUMBING FIXTURE REFERENCE (REFER TO SCHEDULE)	CONST CONT	CONSTRUCTION CONTINUATION	O/C OD	ON CENTER OUTSIDE DIAMETER	D	D	DRAIN - INDIRECT	 □		FLOOR DRAIN or FUNNEL FLOOR DRAIN	
AHU-1 E	QUIPMENT IDENTIFICATION (REFER TO SCHEDULES)	CR	CONDENSATE RETURN	OPNG	OPENING	— RV — —	RV	RELIEF VALVE VENT PIPE SLOPE DIRECTION		FS	FLOOR SINK	
^	, , , , , , , , , , , , , , , , , , ,	DB	DECIBLE or DRY BULB	PCV	PRESSURE CONTROL VALVE		ICW	INDUSTRIAL COLD WATER	_ ⊚	OD	OVERFLOW DRAIN	
<a> M	MEDICAL GAS OUTLET IDENTIFICATION (REFER TO SCHEDULE)	DDC DIA	DIRECT DIGITAL CONTROL DIAMETER	PD PH or Ø	PRESSURE DROP PHASE	——SCW————	SCW	SOFT COLD WATER	•	RD	ROOF DRAIN	
I M	MEDICAL GAS ZONE VALVE STATION MOUNTED IN WALL	DIM DN	DIMENSION DOWN	PLCS POC	PLACES POINT OF CONNECTION	FCW	FCW	COLD WATER (FLUSHING SYSTEM)	\bowtie		SHUTOFF VALVE (AS SPECIFIED FOR PIPING SYSTEM))
		DPR DWG	DAMPER DRAWING	POUA PRV	POINT OF USE ALARM PRESSURE REDUCING VALVE	——HW——————	IHW	INDUSTRIAL HOT WATER	184	BV	BALL VALVE	
Ш	MEDICAL GAS ALARM PANEL MOUNTED IN WALL	E-100	EXHAUST AIR	PSI	POUNDS PER SQUARE INCH	KHW	KHW	KITCHEN HOT WATER	Ň	CKV	CHECK VALVE	
□		E-100	NUMBER INDICATES CFM QUANTITY	PSIG	POUNDS PER SQUARE INCH GAGE	KHWC	KHWC	KITCHEN HOT WATER CIRCULATING	` @ MG	BFV	BUTTERFLY VALVE	
├ • M	MEDICAL GAS OUTLET	ea Eat	EACH ENTERING AIR TEMPERATURE	R-100	RETURN AIR NUMBER INDICATES CFM QUANTITY	LHW	LHW	LAUNDRY HOT WATER	i¥i	BFV	BUTTERFLY VALVE W/ MEMORY STOP	
^		EF FC	EXHAUST FAN EXHAUST GRILLE	RA	RETURN AIR	—	LHWC	LAUNDRY HOT WATER CIRCULATING	\bowtie	BAL VA	BALANCING VALVE	
<u>1</u>	REVISION CLOUD AND REVISION NUMBER	ELEC	ELECTRIC or ELECTRICAL	RAG REQD	RETURN AIR GRILLE REQUIRED	NPW———	NPW	NON-POTABLE WATER	₩ M	BSV	COMBINATION BALANCING/SHUTOFF VALVE	
	ALTIGION GLOOD AND NEVIGION NOMBEN	ELEV EMCS	ELEVATION ENERGY MANAGEMENT CONTROL SYSTEM	RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR	DI	DI IW	IRRIGATION WATER DEIONIZED WATER	⊗	ACV	2-WAY MODULATING CONTROL VALVE W/ ACTUATOR	
, vv	DINARY (VEC (NO) CENCINO CHITCH	ESP EWT	EXTERNAL STATIC PRESSURE ENTERING WATER TEMPERATURE	RPM	REVOLUTIONS PER MINUTE	DW	DW	DISTILLED WATER	☆	ACV	3-WAY MODULATING CONTROL VALVE W/ ACTUATOR	
XX B	BINARY (YES/NO) SENSING SWITCH (PIPE OR DUCT MOUNTED)	EXH EXST or (E)	EXHAUST	S-100	SUPPLY AIR	cs	CS CS	CONDENSER WATER SUPPLY	呂		2-POSITION CONTROL VALVE	
<u> </u>		EX31 01 (E)		SA	NUMBER INDICATES CFM QUANTITY SUPPLY AIR	CR	CR	CONDENSER WATER RETURN	Ø	PRV	PRESSURE REDUCING VALVE	
XX B	BINARY (YES/NO) SENSING SWITCH	FA	FAHRENHEIT FACE AREA	SF SHT	SUPPLY FAN SHEET	cws	CWS	CHILLED WATER SUPPLY - COOLING	宏 ,	RV	RELIEF VALVE	
•	(SURFÀCE MOUNTED)	FCO FCU	FLOOR CLEANOUT FAN COIL UNIT	SIM	SIMILAR	CWR	CWR	CHILLED WATER RETURN - COOLING		FMS	FLOW MEASUREMENT STATION	
	NALOG SENSING DEVICE (PIPE OR DUCT MOUNTED)	FD FDPR	FLOOR DRAIN FIRE DAMPER	SP SQ	STATIC PRESSURE SQUARE	RL	RL	LIQUID LINE - REFRIGERANT	\Rightarrow	STR	Y-TYPE STRAINER	
	·	FFD FF	FUNNEL FLOOR DRAIN FINAL FILTER	SQ FT SS	SQUARE FOOT/FEET STAINLESS STEEL	RS	RS	SUCTION LINE - REFRIGERANT		GLV	GLOBE VALVE	
	NALOG SENSING DEVICE (SURFACE MOUNTED)	FLR	FLOOR	STD	STANDARD	HG	HG	HOT GAS LINE - REFRIGERANT	⊠ ⊠	OSY VA	OUTSIDE SCREW AND YOKE VALVE	
_	·	FPM FPS	FEET PER MINUTE FEET PER SECOND	THK TP	THICK TRAP PRIMER or TEST PLUG	——————————————————————————————————————	HWS HWR	HOT WATER HEATING SUPPLY HOT WATER HEATING RETURN	×	EXP VA	EXPANSION VALVE	
	NALOG SENSING DEVICE (SURFACE MOUNTED) (APPROPRIATE FOR MEASURED FLUID)	FT FV	FOOT/FEET FACE VELOCITY	TYP	TYPICAL	FOS	FOS	FUEL OIL SUPPLY		FCV	FLOW CONTROL VALVE	
	SUBSCRIPT LETTER (X) INDICATES: ´ A — ALARM PRESSURE SENSOR	GA	GAGE or GAUGE	TU	TERMINAL UNIT	FOR		FUEL OIL RETURN	ıļı		UNION	
D) — DIFFERENTIAL PRESSURE	GAL V	GALLON GALVANIZED	UBC UFC	UNIFORM BUILDING CODE UNIFORM FIRE CODE	G	G	NATURAL GAS			FLANGES	
Н	- Flow rate - Humidity	GPH	GALLONS PER HOUR	UMC UPC	UNIFORM MECHANICAL CODE UNIFORM PLUMBING CODE	LPG	LPG	LIQUID PETROLEUM GAS	Ь		THREADED DRAIN PLUG	
Р	. – LOW LIMIT P – PRESSURE (STATIC)	GPM	GALLONS PER MINUTE	UG	UNDERGROUND	———— LPS ————	LPS	LOW PRESSURE STEAM SUPPLY	_		MALE (GARDEN) HOSE CONNECTION WITH CAP	
	· — TEMPERATURE / — VELOCITY & VOLUME FLOW RATE	H HD	HEIGHT HEAD	UH	UNIT HEATER	———— LPR ————		LOW PRESSURE STEAM CONDENSATE RETURN	<u>-</u> Ф	TP	TEST PLUG	
		HP HTG	HORSEPOWER HEATING	VA VAC	VALVE VACUUM	MPS	MPS(20)	MEDIUM PRESSURE STEAM SUPPLY NUMBER IN PARENTHESIS INDICATES PSI		IF		
		HVAC	HEATING, VENTILATION AND AIR CONDITIONING	VAV VD	VARIABLE AIR VOLUME VOLUME DAMPER	MPR	MPR(20)	MEDIUM PRESSURE STEAM CONDENSATE RETURN	9		SHOCK ARRESTOR	
		HWG	HIGH WALL GRILLE	VEL	VELOCITY		HPS(100)	NUMBER IN PARENTHESIS INDICATES PSI) HIGH PRESSURE STEAM SUPPLY	⊘ T	TH or TI	THERMOMETER (TEMPERATURE INDICATOR)	
		HWR HZ	HIGH WALL REGISTER HERTZ	VFD VTR	VARIABLE FREQUENCY DRIVE VENT THRU ROOF		()	NUMBER IN PARENTHESIS INDICATES PSI	<u>'</u>		,	
		ID.	INSIDE DIAMETER	W	WIDE	HPR	HPR(100)) HIGH PRESSURE STEAM CONDENSATE RETURN NUMBER IN PARETHESIS INDICATES PSI	$\overline{\mathbb{U}}$	B STR	BASKET STRAINER	
		IE IN	INVERT ELEVATION	W/ W/O	WITH WITHOUT	PR	PR	STEAM CONDENSATE RETURN (PUMPED)	Pρ	PI	PRESSURE INDICATOR	
		IN INSUL	INCH or INCHES INSULATION	WB WCO	WET BULB WALL CLEANOUT	ATV	ATV	ATMOSPHERIC VENT	\otimes	AAV	AUTOMATIC AIR VENT	
		INV	INVERT	WG	WATER GAGE	MA	MA	COMPRESSED MEDICAL AIR	Υ	AAV	AUTOMATIC AIR VENT	
		KW KWH	KILOWATT KILOWATT HOUR	WGE WPD	WASTE GAS EVACUATION WATER PRESSURE DROP	LA	LA	COMPRESSED LABORATORY AIR	个		MANUAL AIR VENT	
				WT	WEIGHT		MV O2	MEDICAL VACUUM				
						02	02 N20	OXYGEN NITROUS OXIDE			PUMP (DIAGRAM)	
						N2	N2	NITROGEN	M		FLEXIBLE CONNECTOR	
						C02	CO2	CARBON DIOXIDE				
						A	Α	COMPRESSED AIR			INDICATES ASSEMBLY OF PIPING COMPONENTS (AS NOTED OR DIAGRAMED)	
						V	٧	VACUUM			(on binordille)	
						LV	LV	LABORATORY VACUUM				
						WGE	WGE	WASTE GAS EVACUATION				

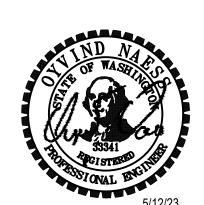
	DRAWING INDEX
SHEET NUMBER	DESCRIPTION
P0.1	PLUMBING COVER SHEET, GENERAL NOTES, & INDEX
P0.2	PLUMBING SCHEDULES
P0.3	PLUMBING SPECIFICATIONS
P1.0	THIRD FLOOR OVERALL PLUMBING PLAN
P1.3	THIRD FLOOR PLUMBING WASTE ENLARGED PLAN — DEMO
P1.5	THIRD FLOOR PLUMBING SUPPLY ENLARGED PLAN — DEMO
P2.3	THIRD FLOOR PLUMBING WASTE ENLARGED PLAN
P2.4	THIRD FLOOR PLUMBING WASTE ENLARGED PLAN
P2.5	THIRD FLOOR PLUMBING SUPPLY ENLARGED PLAN
P2.6	THIRD FLOOR PLUMBING SUPPLY ENLARGED PLAN

GENERAL PLUMBING NOTES

- 1. PLUMBING CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT A COMPLETE, OPERATIONAL PLUMBING SYSTEM FOR THE ENTIRE PROJECT AS SHOWN ON THESE DRAWINGS, INCLUDING ALL NECESSARY FEES AND PERMITS.
- 2. DO NOT SCALE DRAWINGS. INSTALL SYSTEMS BASED ON ACTUAL FIELD MEASUREMENTS.
- 3. PIPING AND EQUIPMENT ANCHORAGE: PROVIDE SEISMIC RESTRAINTS AND ANCHORAGE PER SPECIFICATIONS AND THE INTERNATIONAL BUILDING CODE.
- 4. PIPE SIZES: WHERE A SECTION OF PIPE BETWEEN TAKEOFFS DOES NOT HAVE A SIZE INDICATED, IT SHALL BE SAME SIZE AS SECTION UPSTREAM. IN GENERAL, AS VOLUME FLOW RATE DECREASES, PIPE SIZE SHALL REMAIN LARGE UNTIL A SMALLER SIZE IS INDICATED. NOTE THAT SOME PIPE SIZES ARE INDICATED ON ASSOCIATED DEVICE SCHEDULE.
- 5. HANDICAP FIXTURES: PLUMBING FIXTURES AND TRIM IN HANDICAP ACCESSIBLE AREAS SHALL COMPLY WITH ALL ADA STANDARDS AND REQUIREMENTS AS WELL AS STATE AND LOCAL CODES.
- 6. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF WALLS, FLOORS, AND CEILINGS.
- 7. COORDINATE EXACT LOCATION OF STUB-UPS TO PLUMBING FIXTURES WITH ARCHITECTURAL PLANS. PROVIDE MEANS TO CONNECT TO ABOVE GROUND PIPING & INSTALLATION OF DRAINS.
- 8. COORDINATE EXACT LOCATION OF UTILITY SERVICES WITH THE LOCAL UTILITY SUPPLIERS AND EXISTING PLANS. CONTRACTOR TO FIELD VERIFY.
- 9. FIELD VERIFY ALL EXISTING CONDITIONS AND LOCATIONS OF STUB-INS PRIOR

TO INSTALLATION.

- 10. PLUMBING CONTRACTOR SHALL NOTIFY ENGINEER OF ANY PROPOSED CHANGES TO DESIGN PRIOR TO TAKING ACTION.
- 11. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, AND OTHER DEVICES AND ACCESSORIES REQUIRED FOR A COMPLETE, WORKABLE INSTALLATION.
- 12. PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL COMPLY WITH THE LATEST ACCEPTED VERSION OF THE IBC. COORDINATE WITH ARCHITECTURAL PLANS.
- 13. PROVIDE PROPER PROVISIONS FOR EXPANSION OR MOVEMENT OF ALL PIPING.
- 14. SUPPORT HORIZONTAL LINES OF COPPER TUBING WITH HANGERS SPACED NOT MORE THAN 6-FEET, CENTER TO CENTER FOR ALL PIPE SIZES. ALL PIPES SHALL BE SUPPORTED AT ELBOWS, BRANCHES, AND RISERS.
- 15. SUPPORT HORIZONTAL CAST IRON SOIL PIPE WITH HANGER, OR PIER, TWO FOR EACH 5—FOOT PIPE LENGTH. LOCATE SUPPORT CLOSE TO JOINTS EXCEPT, PIPE EXCEEDING 5—FEET IN LENGTH SHALL BE SUPPORTED AT NO MORE THAN 5—FOOT INTERVALS. SUPPORTS SHALL BE LOCATED ON BOTH SIDES OF ALL JOINTS AND WITHIN 6" OF THE JOINTS.
- 16. NO DOMESTIC HOT WATER, HOT WATER RECIRCULATING, OR COLD WATER PIPING WILL BE PERMITTED WITHIN EXTERIOR WALLS.
- 17. PROVIDE WATER HAMMER ARRESTORS (SHOCK ABSORBERS) AT ALL PIPE LOCATIONS WHERE VALVE CLOSURES (SUCH AS FLUSH VALVES) MAY CAUSE WATER HAMMER OR RESULT IN EXCESSIVE PIPE VIBRATION OR MOVEMENT.
- 18. CLEANOUTS: PLUMBING CLEANOUT LOCATIONS ARE NOT ALWAYS ESTABLISHED ON THE PLUMBING PLANS IN ORDER TO GIVE THE PLUMBER FLEXIBILITY TO LOCATE PLUMBING CLEANOUTS IN THE MOST ACCESSIBLE AREAS. AS A MINIMUM, PROVIDE CLEANOUTS AS REQUIRED BY THE UNIFORM PLUMBING CODE. CLEANOUTS THAT MUST BE INSTALLED IN PIPES THAT ARE DIFFICULT TO ACCESS SHALL BE EITHER WALL OR FLOOR CLEANOUTS SERVICED FROM THE FLOOR ABOVE. FLOOR CLEANOUTS SHALL BE LOCATED SO AS TO BE SERVICED FROM CORRIDORS, TOILET OR JANITOR ROOMS WHEREVER POSSIBLE.
- 19. TRAP PRIMERS AND ARRESTORS: TRAP PRIMER ACTUATORS AND WATER HAMMER ARRESTORS SHALL BE LOCATED TO BE ACCESSIBLE EITHER THROUGH ACCESSIBLE CEILING OR WALL ACCESS DOORS. REFER TO SPECIFICATION FOR WHERE ARRESTORS NEED TO BE LOCATED.
- 20. TRAP PRIMER LINE SIZE TO EACH FLOOR DRAIN OR FUNNEL DRAIN SHALL BE 1/2" DIAMETER.
- 21. DRAINAGE PIPING SHALL BE PROTECTED FROM CONCRETE USING 10-MIL PLUMBERS TAPE.
- 22. SANITARY PIPING SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT.
- 23. DOMESTIC COLD WATER PIPING AND FITTINGS SHALL BE SEAMLESS TYPE "L" COPPER WITH 95-5 SOLDER. SOLDER CONTAINING LEAD IS NOT ACCEPTABLE.
- 24. EFFICIENT WATER HEATER SUPPLY PIPING: HOT WATER SUPPLY PIPING SHALL BE PLUMBED IN COMPLIANCE WITH C404.3 IN CURRENT WSEC.
- 25. PLUMBING CONTRACTOR SHALL PRESSURE TEST PIPING PRIOR TO COVERING AND SUBMIT TEST REPORT TO ENGINEER.
- 26. COMMISSIONING: HOT WATER SUPPLY SYSTEM SHALL BE COMMISSIONED IN ACCORDANCE WITH C408.4 IN CURRENT WSEC.



FERS I TO 1 2nd Ave., Suite 400 | Seattle, WA 98101 ph 206.623.0717 | fax 206.624.3775 coffman.com

OWNER:

MultiCare At BetterConnected

City of Puyallup
Development & Permitting Services
(ISSUED PERMIT

Building Planning

Engineering Public Works

Fire Traffic

MultiCare
GSMOB
Women's
Clinic T.I.

Phase 2

1450 5th St SE
Puyallup, WA 98372

MARK DATE DESCRIPTION

5/12/2023 PERMIT SET

 PROJECT NO.
 230888

 DRAWN BY:
 CEI

DATE: 12 MAY 2023 COPYRIGHT TO:

PLUMBING COVER
SHEET

SHEET #:

P0.1

							PLUMBING F	FIXTURE SCHED	ULE	
	ITEM		SERVICE PIPE SIZE				BASI	S OF DESIGN		
MARK		FLOW RATE	WASTE	VENT	C.W.	H.W.	MANUFACTURER	MODEL	REMARKS	NOTES
L-1	LAVATORY-WALL HUNG	-	1-1/2	1-1/2	-	-	AMERICAN STANDARD	0355.012	20X18 WALL HUNG, VITREOUS CHINA, MOUNT AT 34" A.F.F. FOR ADA COMPLIANCE, 8" CENTERS, WITH OVERFLOW & GRID DRAIN	1, A, aa
	FAUCET	1.5 GPM	-	-	1/2	1/2	CHICAGO	786-GN2FCABCP	DECK MOUNT, 4" WRIST BLADE HANDLES, GOOSENECK SPOUT, 1.5 GPM LAMINAR FLOW CONTROL INSERT IN SPOUT INLET, PLAIN END SPOUT W/ NO AERATOR.	
S-1	SINK-COUNTER-1 COMPARTMENT	-	1-1/2	1-1/2	-	-	-	-	INTEGRAL CORIAN	C, bb
	FAUCET	1.5 GPM	-	-	1/2	1/2	CHICAGO	786-GR2E35V17XKAB	DECK MOUNT, 4" WRIST BLADE HANDLES, GOOSENECK SPOUT, 1.5 GPM LAMINAR FLOW CONTROL INSERT IN SPOUT INLET, PLAIN END SPOUT W/ NO AERATOR.	
S-2	SINK-COUNTER-1 COMPARTMENT WITH EYEWASH STATION	-	1-1/2	1-1/2	-	-	-	-	INTEGRAL CORIAN	C, bb
	FAUCET WITH INTEGRAL EYEWASH	1.5 GPM	-	-	1/2	1/2	SPEAKMAN	SEF-1800-CA-8-LF-TW	4" WRIST BLADE HANDLES, 8" GOOSENECK SPOUT, 1.5 GPM LAMINAR FLOW CONTROL, PLAIN END SPOUT W/ NO AERATOR. EYEWASH: INDEPENDENT WATER CHANNEL, PULL HANDLE ACTIVATION, AERATED YELLOW PLASTIC SPRAY OUTLETS WITH INTEGRAL FLOW CONTROL AND FLIP TOP DUST CAPS, 2.8 GPM AT 30 PSI. PROVIDE WITH THERMOSTATIC MIXING VALVE.	
S-3	SINK-COUNTER-2 COMPARTMENT	-	1-1/2	1-1/2	-	-	-	-	INTEGRAL CORIAN	C, bb
	FAUCET	1.5 GPM	-	-	1/2	1/2	CHICAGO	786-GR2E35V17XKAB	DECK MOUNT, 4" WRIST BLADE HANDLES, GOOSENECK SPOUT, 1.5 GPM LAMINAR FLOW CONTROL INSERT IN SPOUT INLET, PLAIN END SPOUT W/ NO AERATOR.	

1. COORDINATE MOUNTING HEIGHT W/ ARCH'L INTERIOR ELEVATIONS.

STRAINER TYPES:

2. LOCATE FLUSH VALVE HANDLE ON WIDE SIDE OF FIXTURE FOR ADA COMPLIANCE.

aa. 1-1/4"x1-1/2" 17GA., "MCGUIRE" C8872 A. LAVATORY GRID TYPE (ADA) "DEARBORN" 760W

B. LAVATORY GRID TYPE, "DEARBORN" 760 I

bb. 1-1/2"x1-1/2" 17GA., "MCGUIRE" C8912

C. SINK GRID TYPE, "ELKAY" LK-18 cc. 2"x2" D. SINK BASKET TYPE, "ELKAY" LK-99 dd. 3"x3"

The conductivity Btu-in./(h-ft²-°F)b Temperature of E21-350 0.29 - 0.32 200 3 4 4.5 4.5 4.5 201-250 0.27 - 0.30 150 2.5 2.5 2.5 3 3 3 141-200 0.25 - 0.29 125 1.5 1.5 1.5 40-60 0.21 - 0.28 100 1 1 1 1 1.5 1.5 40-60 0.20 - 0.26 75 0.5 1 1 1 1 1.5 1.5 1.5 4.0-60 0.20 - 0.26 75 0.5 1 1 1 1.5 1.5 1.5 1.5 1.5 1.5 4.0-60 0.20 - 0.26 75 0.5 0.5 1 1 1 1 1.5 1.5 1.5 1.5 1.5 4.0-60 0.20 - 0.26 75 0.5 1 1 1 1 1.5								
FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F) INSULATION CONDUCTIVITY NOMINAL PIPE OR TUBE SIZE (inches) Conductivity Btu·in./(h·ft²-°F)b MEAN RATING TEMPERATURE, °F <1			2018 WASHINGTO	ON STATE	E ENERGY CODE -	TABLE C403.10.3		
OPERATING TEMPERATURE RANGE AND USAGE (°F) INSULATION CONDUCTIVITY NOMINAL PIPE OR TUBE SIZE (inches) Conductivity Btu·in./(h·ft²-°F)b MEAN RATING TEMPERATURE, °F <1		MI	NIMUM PIPE INSU	JLATION .	THICKNESS (THICI	KNESS IN INCHES)a	
Conductivity Btu·in./(h·ft²·°F)b TEMPERATURE, °F <1 1 to <1-1/2 1-1/2 to <4 4 to <8 ≥8 >350 0.32 - 0.34 250 4.5 5 5 5 5 251-350 0.29 - 0.32 200 3 4 4.5 4.5 4.5 201-250 0.27 - 0.30 150 2.5 2.5 2.5 3 3 141-200 0.25 - 0.29 125 1.5 1.5 2 2 2 105-140 0.21 - 0.28 100 1 1 1.5 1.5 1.5 40-60 0.21 - 0.27 75 0.5 0.5 0.5 1 1 1	OPERATING TEMPERATURE RANGE AND	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (inches)				
251-350 0.29 - 0.32 200 3 4 4.5 4.5 4.5 201-250 0.27 - 0.30 150 2.5 2.5 2.5 3 3 141-200 0.25 - 0.29 125 1.5 1.5 2 2 2 105-140 0.21 - 0.28 100 1 1 1.5 1.5 1.5 40-60 0.21 - 0.27 75 0.5 0.5 1 1 1 1			TEMPERATURE,	<1	1 to <1-1/2	1-1/2 to <4	4 to <8	≥8
201-250 0.27 - 0.30 150 2.5 2.5 2.5 3 3 141-200 0.25 - 0.29 125 1.5 1.5 2 2 2 2 105-140 0.21 - 0.28 100 1 1 1.5 1.5 1.5 40-60 0.21 - 0.27 75 0.5 0.5 1 1 1 1	>350	0.32 - 0.34	250	4.5	5	5	5	5
141-200 0.25 - 0.29 125 1.5 1.5 2 2 2 105-140 0.21 - 0.28 100 1 1 1.5 1.5 1.5 40-60 0.21 - 0.27 75 0.5 0.5 1 1 1 1	251-350	0.29 - 0.32	200	3	4	4.5	4.5	4.5
105-140 0.21 - 0.28 100 1 1 1.5 1.5 1.5 40-60 0.21 - 0.27 75 0.5 0.5 1 1 1 1	201-250	0.27 - 0.30	150	2.5	2.5	2.5	3	3
40-60 0.21 - 0.27 75 0.5 0.5 1 1 1	141-200	0.25 - 0.29	125	1.5	1.5	2	2	2
	105-140	0.21 - 0.28	100	1	1	1.5	1.5	1.5
<40 0.20 - 0.26 75 0.5 1 1 1 1.5	40-60	0.21 - 0.27	75	0.5	0.5	1	1	1
	<40	0.20 - 0.26	75	0.5	1	1	1	1.5

- For piping smaller than 1-1/2 inch (38mm) and located in partitions within conditioned spaces, reduction of these thicknesses by 1 inch (25 mm) shall be permitted (before thickness adjustment required in footnote b) but not to a thickness less than 1 inch (25 mm).
- b. For insulation outside the stated conductivity range, the minimum thickness (T) shall be determined as follows:

 $T = r \{(1+t/r)^K/k -1\}$

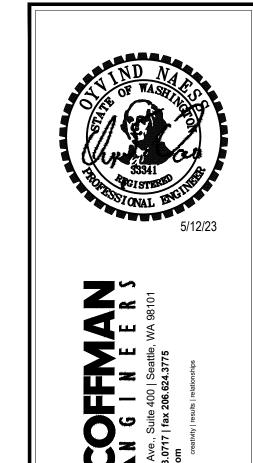
T = minimum insulation thickness, r = actual outside radius of pipe,

t = insulation thickness listed in the table for applicable fluid temperature and pipe size,

K = conductivity of alternate material at mean rating temperature indicated for the applicable fluid temperature (btu x in/h x ft2 x °F) and

k = the upper value of the conductivity range listed in the table for the applicable fluid temperature.

C. For direct-buried heating and hot water system piping, reduction of these thicknesses by 1-1/2 inches (38 mm) shall be permitted)before thickness adjustment required in footnote b but not to thicknesses less than 1 inch (25 mm).



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DRAWN BY: 12 MAY 2023 DATE: COPYRIGHT TO:

SHEET TITLE: PLUMBING SCHEDULES

PLUMBING SPECIFICATIONS

- PLUMBING WORK, GENERAL
- A. GENERAL REQUIREMENTS
- Contract Requirements: Comply with Bidding and Contract Requirements as outlined by the Owner and Architect.
 Work Included: This section applies to all mechanical work normally specified under Divisions 22 and 23. Provide all materials, labor, equipment, tools, field design, shop drawings, hoisting, scaffolding, supervision and overhead for the construction, installation, connection, testing and operation of all mechanical work as shown and specified. The word "provide" used hereinafter means to furnish and install. All work and materials required for complete
- functioning systems are not outlined here, but shall be provided as part of this work.

 3. Codes: Comply with all applicable codes and ordinances of the local and state code enforcing agencies. Obtain permits, approvals, and inspections, and pay all costs and fees for permits, reviews, and inspections.
- 4. Abbreviations: Where abbreviations are used in the specifications and on the drawings, the common industry definition shall apply unless indicated otherwise. The term A/E shall refer to the project architect and mechanical consulting engineer as if one organization.
- 5. Submittals: Submit product data and shop drawings for all significant materials, equipment, and fixtures to the A/E for review. Allow reasonable time for review and return prior to ordering. PDF (electronic) submittals area acceptable, if paper copies are submitted assume Owner and A/E will retain a total of three copies of submittals.

 6. Safety Measures: Provide a safe environment to protect employees and all others from injury. Comply with local, state and federal safety and health regulations for construction.
- B. PERFORMANCE OF WORK
- 1. Coordination: Coordinate mechanical work with all other trades and take all measurements necessary to ensure proper installation of mechanical work prior to start of fabrication. This contractor shall create building information models (BIM) and/or large—scale detail drawings where necessary to coordinate work in tight areas. The contract drawings do not attempt to show exact locations of ductwork, piping, fixtures, and equipment, or all transitions and offsets that will be necessary for installation. All necessary transitions and offsets shall be provided as part of this work without added compensation.
- 2. Continuity of Service: Any systems or services within existing occupied buildings shall be maintained with minimum interruption. Coordinate any needed interruptions with the owner. Any overtime work required by this project to maintain existing buildings in continuous service, without reducing their efficiency, shall be included as a part of this contract.
- 3. Demolition: Provide mechanical system demolition in areas of existing buildings to accommodate installation of new work. Existing piping, valves, and ductwork, where indicated on the drawings, may be reused in their original location. Do not reuse existing piping, valves, or ductwork once they are removed, unless written permission is obtained from Owner. Remove all unused piping and ductwork located in remodel areas of existing buildings.

 4. Cutting and Patching: Provide all cutting of building construction, as required for this work. Keep cutting to a minimum, and use saw cutting to maintain neat, even openings. Unless patching is included under other divisions of this specification, provide patching at all cutting locations. All patching shall conform to specifications for the new general construction work. Finish to match existing work.

 C. PROJECT COMPLETION
- Record Drawings (As-Builts): Corrections and changes made during the progress of the work shall be neatly recorded as actually installed for as-built records. Furnish one clean set to the A/E upon completion of the project.
 Operation and Maintenance Manuals: Provide (3) finished copies of Mechanical Operation and Maintenance Manuals, for work under this project. Arrange information contained in the manuals in an orderly arrangement (by specification section), separated by tabs. Provide equipment manufacturer, model number, size, capacity, performance data, schedule of routine maintenance, suppliers lists, list of replacement parts, and include any shop
- 3. Owner Instruction: Contractor shall instruct the Owner in the use and operation of all systems installed under this Contract. Obtain Owner's written acceptance that they have been adequately trained.
 4. Guarantee: Guarantee materials and workmanship for a period of one year after the date of substantial

BASIC MATERIALS AND METHODS (APPLIES TO ALL WORK)

completion. Refer to additional requirements outlined by Architect and Owner.

A. GENERAL

- 1. Work Included: This section applies to all mechanical work normally specified under Divisions 21, 22 and 23, and represents requirements in addition to the requirements stated in other sections. These specifications do not cover all items that will be required for complete and working systems. Where materials or equipment needed for this project are not covered in these specifications, provide the materials and equipment of a quality equal to or better than that generally utilized by the industry for similar projects in the same geographic area

 B. SUPPORT AND HANGERS
- 1. Support of Mechanical Systems: Each piece of equipment shall be supported (from above or below) in not less than four corners from the building structure. Piping and ductwork shall be supported at intervals specified, with each system supported independently from the building structure.
- 2. Seismic Bracing: Provide complete seismic bracing for all new piping, ductwork, terminal units and equipment as required by the current IBC with all local amendments and ASCE/SCI 7-10 (the current code). Bracing may be per guidelines established by restraint manufacturers such as; Mason Industries and I.S.A.T provided they meet the current code. All bracing shall be designed and manufactured by Mason, I.S.A.T, or prior—approved alternate.

 3. Connections to the Building Structure: Provide all necessary connections to the building structure for seismic restraints and supports. Where concrete structure is present, review the use of concrete anchors with the Architect contractor, and Contractor, and Contractor, and contractor, and contractor, and contractor and contractor and contractor and contractor and contractor.
- Owner, and General Contractor, and verify that there are no post—tensioned slabs or other conditions that need to be taken into account in setting of anchors. Utilize McCullough "Kwik—Bolt", Phillips self—drilling anchors, Gregory "Bulldog," Omark "Drill Anchors", or other approved anchor to attach to concrete structures. Where building structure is wood or steel, obtain architect approval of hardware and methods to be utilized for attachment to the structure.

 4. Additional Framing: Provide steel framing members to transfer load from support points at hangers to locations where connections can be made to the building structure. Framing members shall be 12—gauge minimum, 1—3/8" x 1—5/8" minimum cross—section size; Unistrut, Powerstrut, or other approved. Select member size and type, as
- appropriate for load per manufacturer guidelines.

 5. Pipe Hangers: Clevis or ring hangers with steel rods. Hangers for insulated piping shall be sized for outside insulation and 6" shields shall be provided at all hangers to protect insulation. Pipe support spacing per IMC. Provide plastic separation between clamps and copper pipe.
- 6. Hanger Rods: Hot rolled steel rod, ASTM A 36; size to "Code for Pressure Piping", ANSI B 31.1, with safety factor of 5. Minimum rod size; 1" pipe and smaller (240 pounds) = 1/4" rod, 1-1/4" to 2" pipe (to 610 pounds) = 3/8" rod, 2-1/2" to 4" pipe (to 1,130 pounds) = 1/2" rod, 5" to 8" pipe (to 1,810 pounds) = 5/8" rod.
- 7. Install high density pre-molded pipe insulation 180 degrees (half-shells) on bottom half of pipe at supports for piping greater than 1" in diameter, 6" long for piping 6" in size or smaller. For cold pipe supports use 3.0 pcf density Polyisocyanurate insulation. Hot pipe supports shall be high density polyisocyanurate for fluids up to 300 F, or calcium silicate. Insulation at supports shall have same thickness as adjacent insulation.
- 8. Vibration Isolation: Vibration isolators for hanging equipment shall be equal to mason industries model 30n, combination spring and double deflection neoprene hanger, deflection as recommended by manufacturer. Vibration isolators for base mounted equipment shall be equal to mason industries model SLF, deflection as recommended by manufacturer.
- C. EQUIPMENT AND PIPING IDENTIFICATION
- 1. Nameplates: Provide nameplate for each piece of equipment, including equipment number and any special instruction for its use; laminated black and white plastic with lettering cut through to white background. Minimum size 3" x 1".
- 2. Pipe Identification: All piping in serviceable locations (including above lay—in ceilings) shall be identified with semi—rigid plastic or adhesive identification markers. Markers shall conform to ANSI A13.1, "Scheme for the Identification of Piping Systems". Locate markers adjacent to each valve, at minimum 30' centers with at least one marker between any two partitions. Provide direction of flow arrows at markers.

 D. MISCELLANEOUS MATERIALS AND ACCESSORIES
- 1. Dielectric Unions: Provide at each pipe connection between dissimilar metals. 2 inches and smaller, 250 psig at 180 deg. F., ANSI B16.39. Over 2" use flange fittings, ANSI B16.42 (iron) or ANSI B16.24 (bronze), Watts 3000 series, Epco or equivalent.
- Fire Sealing at Rated Walls and Floors: Provide UL listed fire rated putty at all pipe penetrations of rated walls and floors. Putty shall be installed strictly per manufacturer instructions with sleeves where required. Overall installation shall meet code requirements. Pipe insulation shall not be continuous through fire rated walls or floors.
 Motors: Unless otherwise specified, all electric motors furnished shall conform with the requirements of NEMA MG1 "Motors and Generators." Provide minimum motor efficiencies as required by the Energy Code.
- 4. Interconnecting Wiring: Provide any necessary interconnecting wiring between individual components and accessories furnished with mechanical equipment packages (unless that wiring is specifically called for on the electrical drawings). Wiring and wiring accessories shall be in accordance with Division 26 specifications (and/or the specifications on the electrical drawings) and local Electrical Code. Wiring shall be in conduit or raceway. Wiring shall be provided at the expenses of the subcontractor furnishing the equipment package.

 E. EXECUTION OF WORK
- Installation, General: Follow manufacturer's instructions and utilize good industry practice when installing all work.
 Use only skilled tradespeople with qualified supervision. All work shall be left neat and clean.
 Concealment: Piping and ductwork shall be concealed within building construction, unless specifically indicated
- 2. Concealment: Piping and ductwork shall be concealed within building construction, unless specifically indicated otherwise. Where piping is indicated to be exposed to view in finished spaces or cabinets, provide chrome escutcheons where the piping penetrates the wall, floor or ceiling construction
- 3. Water Sealing at Floors: Provide water tight sealing at each floor penetration including piping within wall cavities. Provide water sleeves sealed to the floor construction and projecting not less than 1.5" above floor where insulated piping penetrates the floor. The intent is to minimize passage of water during a significant water leakage event. Sealing is required for concrete floors, but not required for other floor systems where the construction itself, at the pipe penetration, allows significant water seepage (planked wood floor for example).

- 4. Coordination with Other Trades: Complete drawings and specifications of all trades will be furnished or will be available for inspection in the construction office at the jobsite. Carefully check these drawings and specifications before installing any work. In all cases, consider the work of all other trades and coordinate work with that of the Sheet Metal, Piping, Plumbing, Electrical, and Site—work subcontractors, so that the best arrangement of all equipment, piping, conduit, ducts, and other related items can be obtained.

 PLUMBING INSULATION
- A. GENERAL

A. GENERAL

- 1. Manufacturers: Manville, Owens—Corning, Certainteed, or Knauf. Install in accordance with manufacturer's instructions.
- Insulation Thickness: Refer to Insulation Requirements on the drawings for systems to be insulated and thickness of insulation.
 INSULATION MATERIALS
- Indoor Pipe Insulation: Fiberglass pipe insulation with all—service (vapor barrier) jacket shall be provided for all piping systems, except refrigerant piping. Fittings shall be mitered sections of insulation with the same thickness as adjacent pipe insulation with factory—premolded, one—piece, UL listed (25/50) PVC fitting covers. Installation must reflect careful workmanship, and be neat in appearance. Vapor barrier shall be sealed at all joints on cold piping.
 Outdoor Pipe Insulation: Insulation and fittings same as specified for indoor pipe insulation. Provide metal jackets of 0.016" aluminum with integral vapor retarder, self—sealing, watertight metal bands for butt joints. Seal

joints with aluminum pigmented vapor retarder mastic, Foster 60-65, or approved equivalent.

- 3. Roof Drain Body Insulation: Flexible fiberglass blanket conforming to ASTM C 553, Type I, and nominal density not less than 1 lb. per cubic foot, covered with 8—ounce canvas and vapor retarder cement.

 FIRE PROTECTION
- 1. Work Included: Design and provide alterations to, and extension of, the existing fire protection system, to accommodate the new space layout and install all work in accordance NFPA 13, all other applicable codes, standards, and regulations, and as required by the authority having jurisdiction. Work shall include alterations to the existing fire sprinkler piping as needed to make reasonable clearance for new work by other trades.
- 2. System Type: Provide wet—pipe sprinkler protection for all heated areas. Where sprinkler coverage of unheated areas in and around the building is required, provide either a dry—pipe system or dry—sprinkler coverage from the wet system. If a dry—pipe fire sprinkler system is provided, review the electrical drawings to determine extent of additional power and alarm services required, and pay electrical costs associated with these services.
- 3. Authorities: Comply with all requirements of the authorities, which shall include the State Fire Marshal, Local Building and Fire Departments, and Owner's Insurance Organization.
- License: The Fire Sprinkler Contractor shall be state—licensed and regularly engaged in the design and installation of automatic sprinkler systems and, where applicable, underground fire mains. Shop drawings shall be stamped by a state—licensed fire protection engineer or designer with a NICET Level III certification.
 Design Drawings: Coordinate locations of sprinkler heads, valves, and other exposed items with Architect, then prepare complete design drawings and submit to the authorities for approval. Also submit authority—approved drawings to the A/E for review prior to start of work.
- 6. Coordination with Other Trades: During preparation of shop drawings, call to the attention of the General Contractor any points of conflict between new or existing fire sprinkler work and that of the other trades, so that the conflict may be properly resolved. Work which unreasonably interferes with the work of other trades shall be removed and re—installed at this subcontractor's expense. It shall be understood that no extras to the Contract will be permitted to accomplish the above results.

 B. FIRE SPRINKLER SYSTEM MATERIALS
- 1. Approved Manufacturers: Viking Corp., Star Sprinkler Corp., Reliable Automatic Sprinkler Co., Grinnell Fire Protection Systems Co., "Automatic" Sprinkler Corp. of America, Central Sprinkler Corp., Globe Fire Equipment Co.,
- General Components: All required components, including valves, flow switches, tamper switches, hangers, fittings, and other accessories, shall meet NFPA standards, and shall have UL and FM listing where such listing is available.
 Pipe: ASTM-135 or ASTM A-53, stamped on pipe. Schedule 40 black steel, with threaded or grooved fittings; Schedule 10 acceptable for roll-grooved only. Threaded fittings through 2", ANSI B16.4 black. Over 2" groove fittings, ANSI / ASTM A47, Victaulic style 75, 750, 77, or FM approved equal fittings.
- 4. Sprinkler Heads: Where installed in suspended ceilings, sprinkler heads shall be chrome plated recessed pendant type with chrome escutcheons. Temperature ratings and response time as required by authorities. Heads shall match existing heads in the building, to the extent possible. Provide spare heads, not less than two of each type, or more as required by NFPA.

DOMESTIC WATER AND DRAINAGE A. PIPING SYSTEMS

- Domestic Water Piping: Type L copper water tube, hard drawn, ASTM B 88. Wrought copper solder fittings and screwed adapters, ANSI B16.22.J. Solder; 95 percent tin, 5 percent antimony solder, ASTM B 32, 95TA.
 Domestic Piping Insulation: Preformed glass fiber with vapor barrier jacket and a flame spread index of 25 and a maximum smoke—developed index of 50, thickness per the current energy code. Exterior exposed piping shall be
- covered with .015 in thick aluminum jacket with two—inch laps and banded with 3/8" stainless steel bands at 9" on center. Seal laps with silicone sealant.

 3. Condensate Drain Piping and Fittings: Seamless Type L copper with 95-5 solder. Insulate condensate drain
- 4. Small Valves (2" and smaller): Ball valves Fed. Spec. WW-V-35, 250-psig bronze or brass body, ball and stem, solder ends or screwed, Teflon seat and seal. Check valves and other valves shall be of equal quality and same manufacturer of ball valves and shall have not less than 125-psig rating. Gate valves (allowed only where indicated) MSS SP80, 125-psig bronze, screwed or solder end, union bonnet, rising stem, solid bronze disc. Provide shut-off valves at all equipment connections.
- 5. Roof Drain, Waste and Vent Piping: ASTM A74 standard weight hubless cast iron pipe, CISPI 301. Couplings; neoprene sleeve gasket, stainless steel shield and bands. Fittings shall be standard weight cast iron soil pipe fittings, ANSI A112.5.1 and ASTM A74. Hubless cast iron fittings, CISPI 301.
- B. PLUMBING ACCESSORIES AND EQUIPMENT:

piping with 1/2" inch thick Armstrong "Armaflex" or equal.

- 1. Reduced Pressure Backflow Preventer Assemblies: Reduced pressure type back—flow preventer; 3/4" to 2" size; bronze construction with isolating ball valves, strainer and air gap drain fitting. Hersey Model FRPII, Watts 909 Series or approved equivalent. Provide certification of backflow preventer by state certified specialist, include with maintenance manuals.
- Pressure Reducing Valves: 2 inch and smaller, complete with integral strainer, pressure gauge, and integral thermal expansion by—pass, bronze construction with stainless steel strainer. Watts No. U5B or equivalent.
 Strainers: 2-1/2 inches and smaller, bronze, Y—pattern, threaded ends, 20—mesh stainless steel screen; 250
- 5. Strainers: 2-1/2 inches and smaller, bronze, Y-pattern, threaded ends, 20-mesh stainless steel screen; 250 psi at 210 F.
 4. Floor Drains: Smith 2005, double drainage, adjustable strainer head floor drain, duco coated cast iron body, flashina collar, nickel bronze strainer with 1/4" holes. Provide square strainer in areas with tile floors and round

strainers in other locations. Where funnel drains are indicated, add Smith 3590 rough bronze funnel. Remove

strainer within funnel, as required, to eliminate splashing.

5. Equipment, General: Provide all equipment consistent with the capacity, manufacturer, model number, and accessories as specified or indicated on the drawing schedules and notes. Equipment suppliers shall verify that model numbers are consistent with capacity, features, and accessories called for and identify any conflicts prior to submitting quotations to contractors. All equipment with electrical components shall have UL listing as required by the electrical inspector. Alternate manufacturers will be considered; however, A/E final approval of equality of alternate manufacturer models is required. Acceptable alternate manufacturers include Bell and Gossett, Amtrol, Taco, AO Smith, State, or as indicated or prior—approved otherwise. Alternate manufacturers with prior approval are

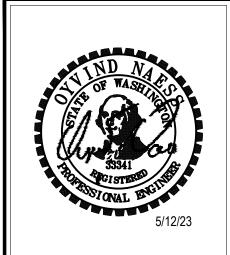
PLUMBING FIXTURES A. PLUMBING FIXTURE ACCESSORIES

1. Fixture Carriers: Provide cast iron or steel carriers for all wall—hung fixtures with concealed fixture carriers constructed for the particular fixture, heavy duty construction with secure anchoring to concrete floor. Smith, Wade, Zurn, or approved. Back lug of water closet carriers shall be anchored to floor.

still responsible for meeting or exceeding the quality and features of the specified items.

- 2. Drains and Traps: Provide grid strainer drains for all lavatories unless indicated otherwise. Provide basket strainer drains for all sinks unless indicated otherwise. Provide traps and tailpieces at all fixtures unless trap is integral with fixture.
- 3. Stops: Provide chrome stops at each water connection to each fixture, except where a faucet or control has integral stops. Stops shall be a loose key pattern with shield; Chicago, Bridgeport Brass, Brass Craft (Speedway), Teledyne, or equivalent.
- Caulking: Provide silicone sealer between the top and the sides of plumbing fixtures and adjacent wall surfaces; General Electric No. SCS/202. Apply per manufacturer's recommendations to form a smooth, unobtrusive joint.
 Exposed Plumbing: In general, all piping shall be concealed unless indicated otherwise. Any piping that must be exposed within cabinets or otherwise, due to connections required for fixtures and equipment, shall be painted silver. All exposed items, including stops, traps, etc., shall be chrome plated.
 PLUMBING FIXTURES
- 1. General: Provide the plumbing fixtures as on the drawings. Provide the manufacturer and model numbers as indicated; however, contractor shall verify model numbers of fixtures, flush valves, faucets, etc., fit together properly. Alternate manufacturers will be considered; however, A/E final approval of equality of alternate manufacturer models is required. Acceptable alternate fixture manufacturers include Kohler, American Standard, Eljer, Elkay, Just, or as indicated or prior approved otherwise. Alternate manufacturers with prior approval are still responsible for meeting or exceeding the quality and features of the specified items.

END OF PLUMBING SPECIFICATION



FERSTING Creativity | results | relationships

MultiCare 🤼 BetterConnected City of Puyallup lopment & Permitting Service ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic PROJECT NAME: **MultiCare GSMOB** Women's Clinic T. Phase 2 1450 5th St SE Puyallup, WA 98372 MARK DATE DESCRIPTION 5/12/2023

 PROJECT NO.
 230888

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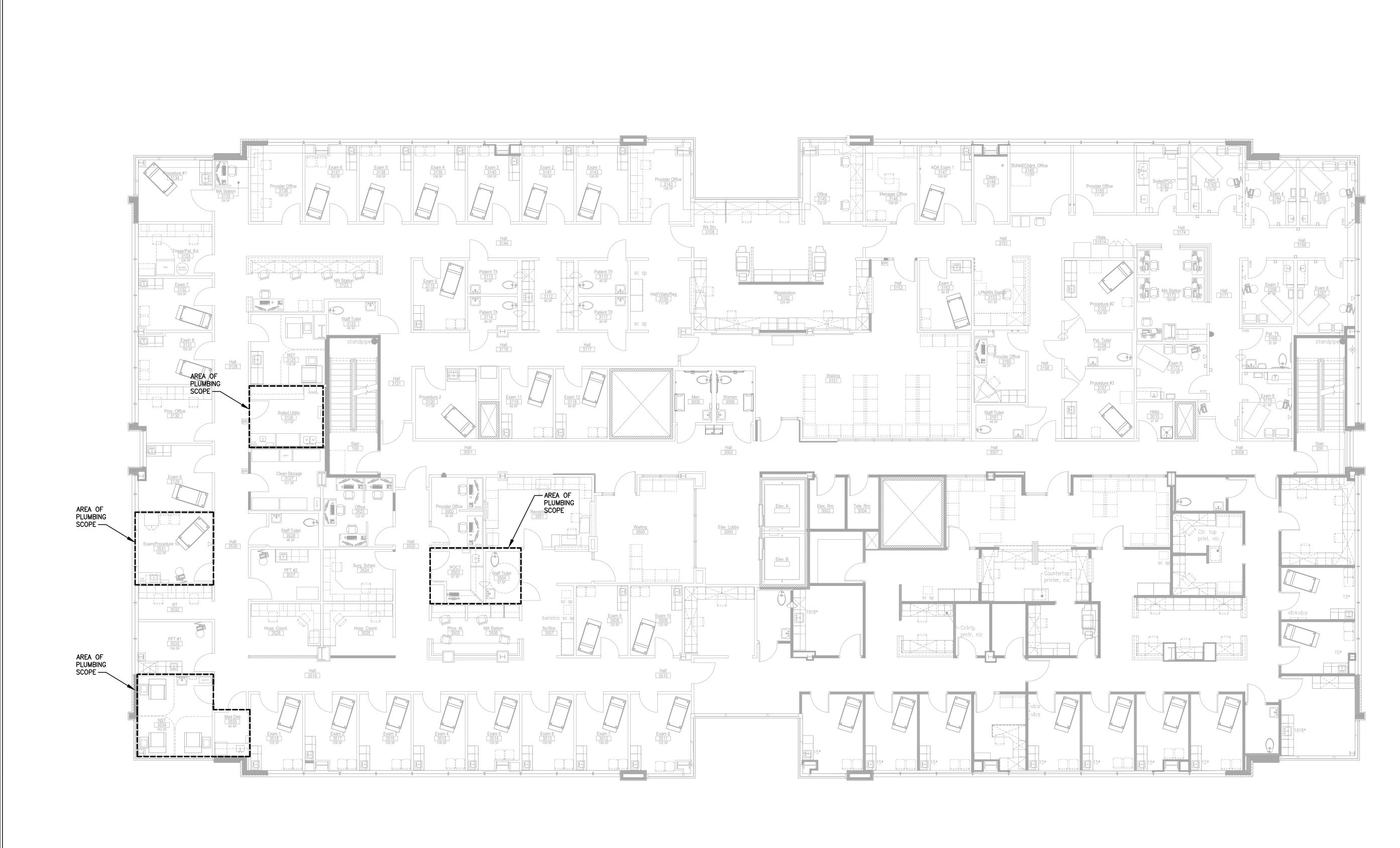
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 12 MAY 2023

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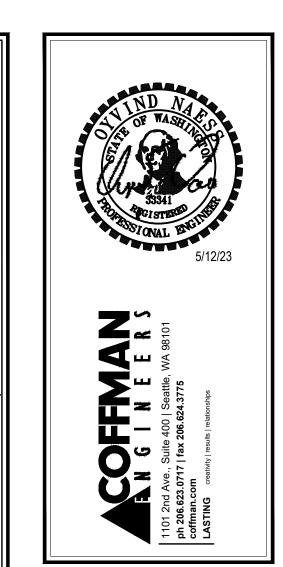
SHEET TITLE:
PLUMBING
SPECIFICATIONS

SHEET #:

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MultiCare 🐔					
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 PROJECT NO.
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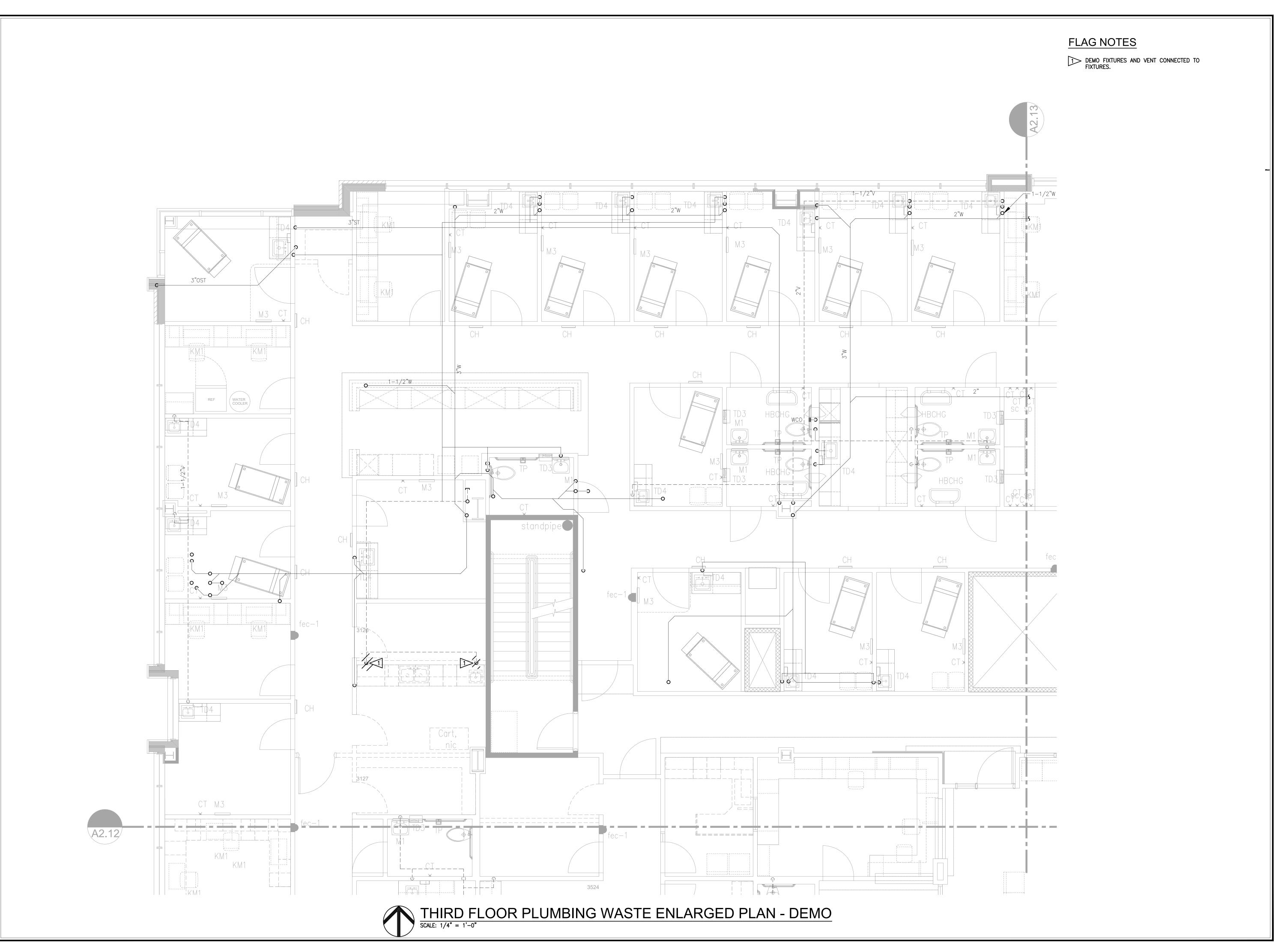
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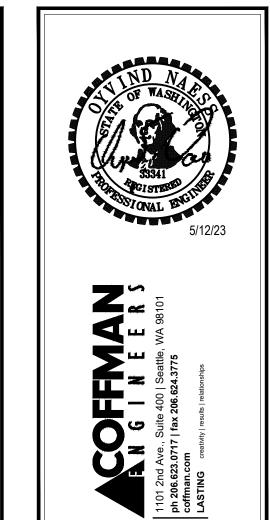
DATE: 12 MAY 2023
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SHEET TITLE:
THIRD FLOOR
OVERALL PLUMBING
PLAN

SHEET #:

P1.0





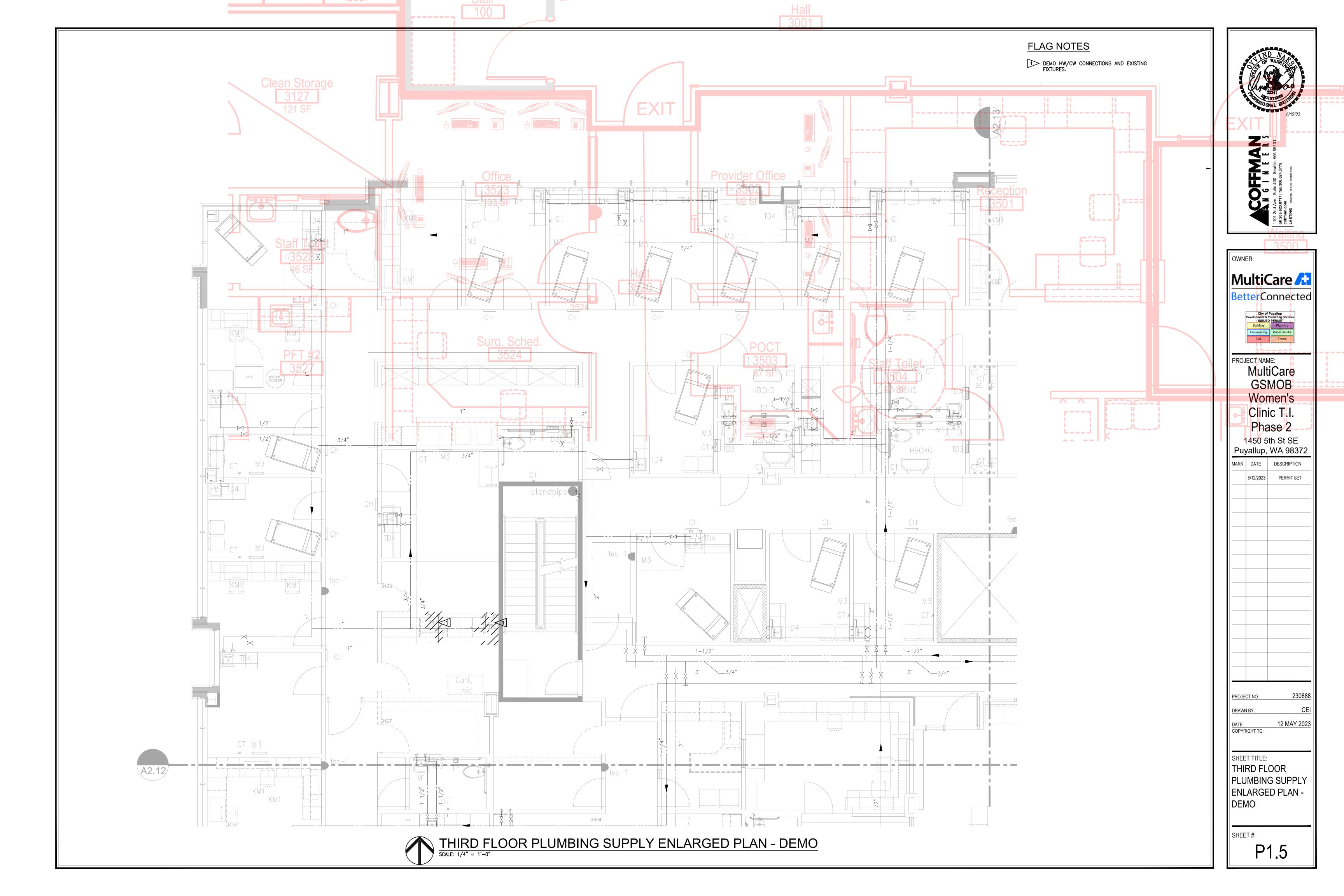
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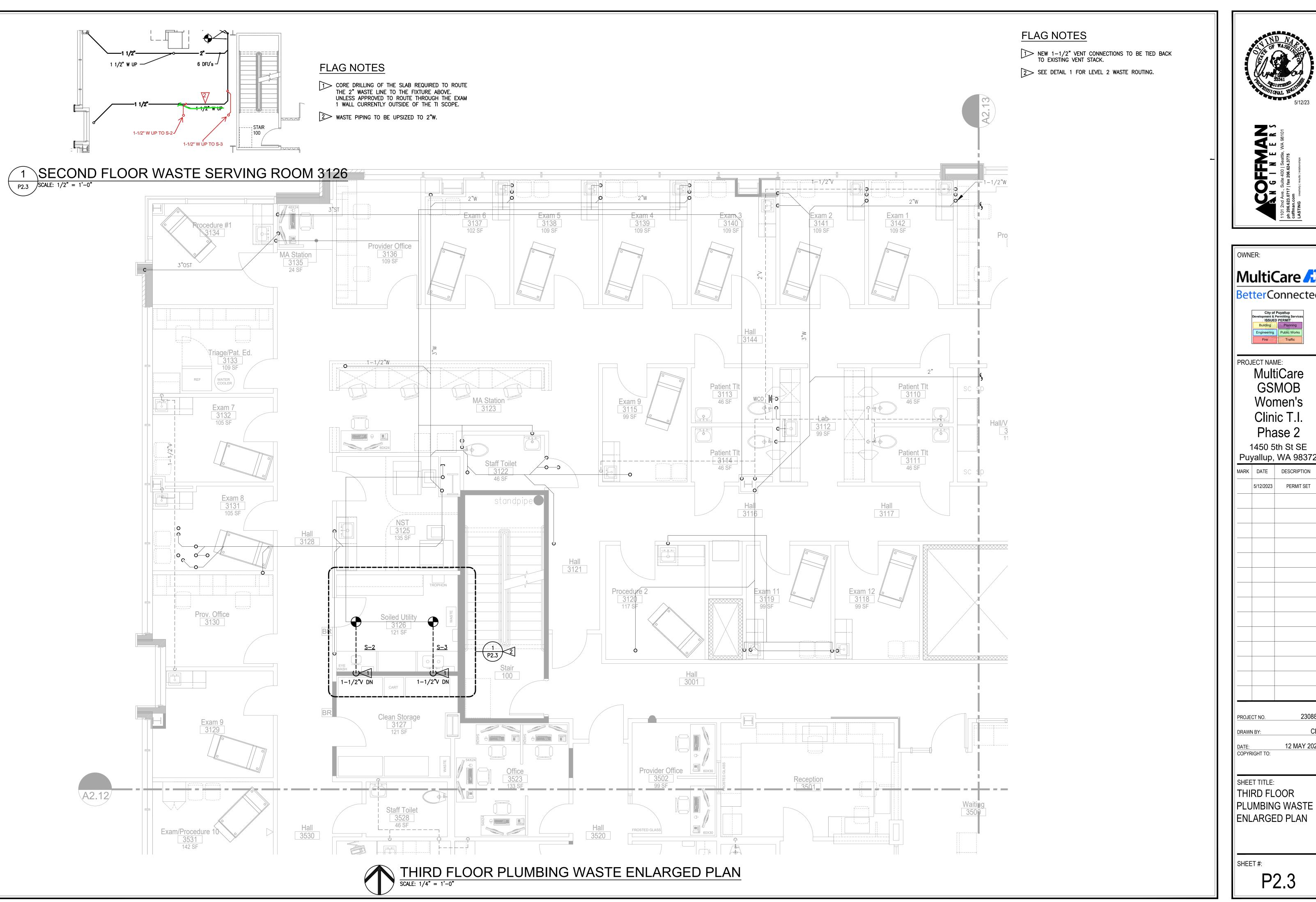
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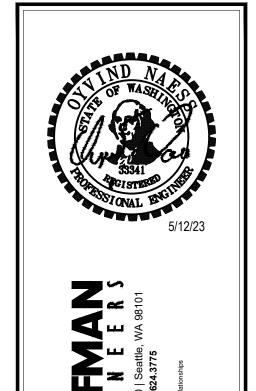
SHEET TITLE: THIRD FLOOR PLUMBING WASTE ENLARGED PLAN -DEMO

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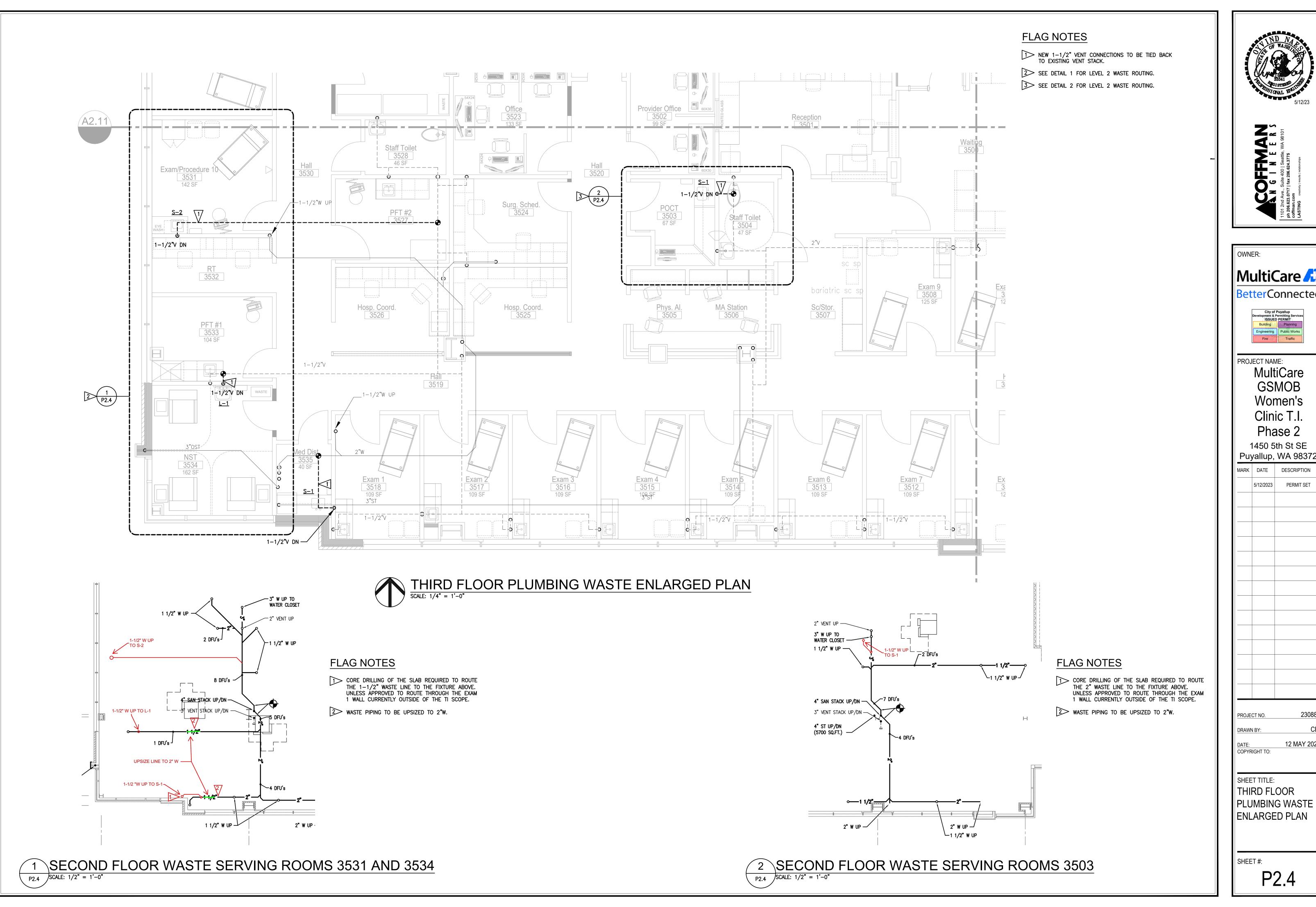


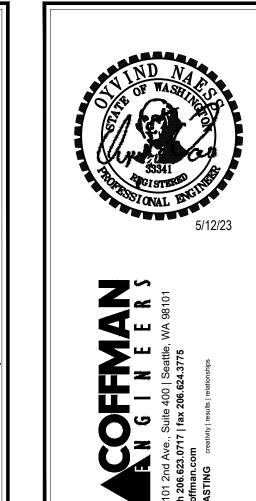




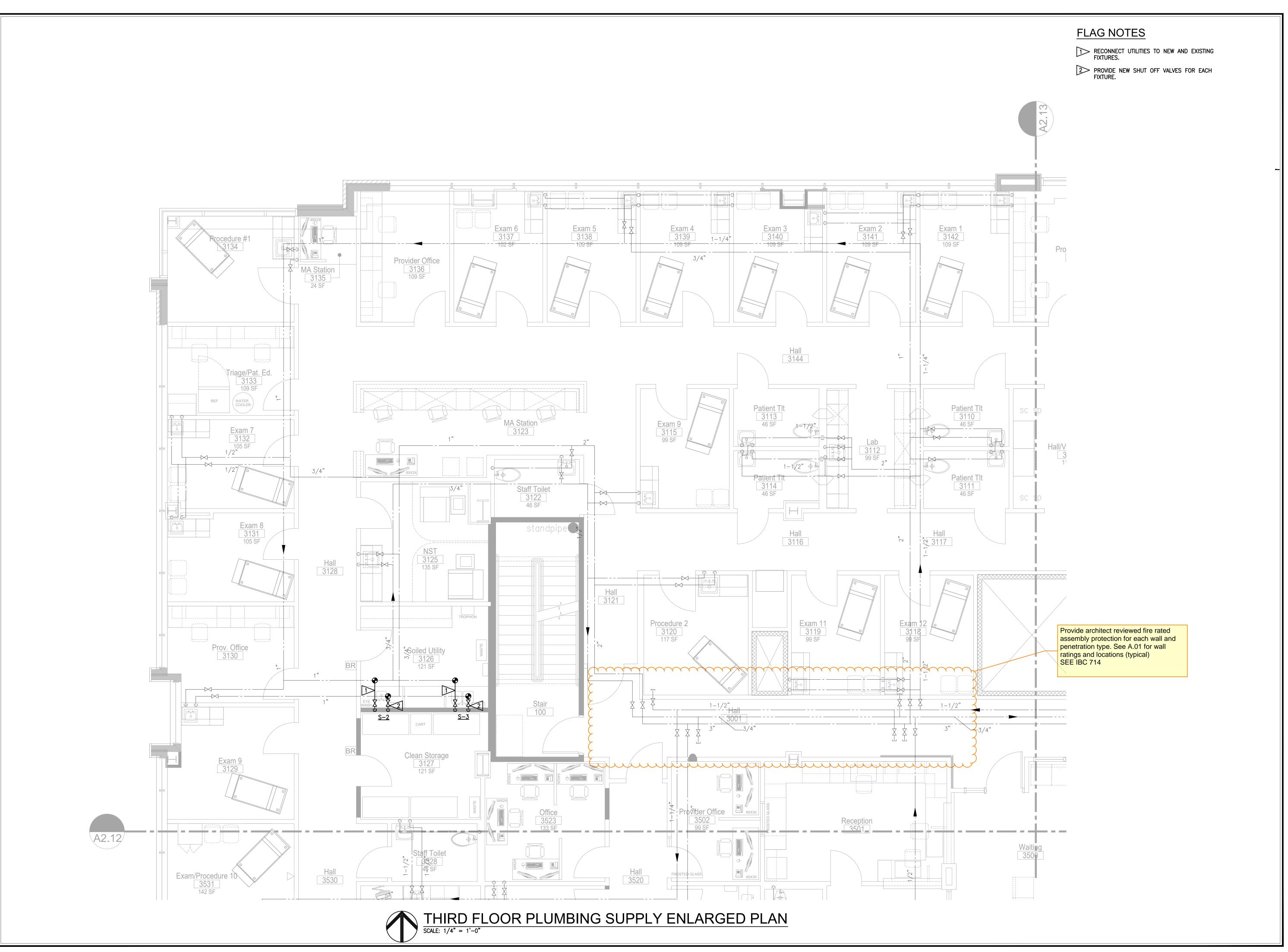
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	MultiCare ABBetterConnected					
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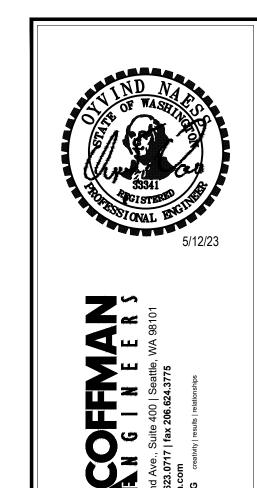
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OWNER: MultiCare Better Connecte City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Control Traffic PROJECT NAME: MultiCare GSMOB Women's Clinic T.I. Phase 2 1450 5th St SE Puyallup, WA 9837 MARK DATE DESCRIPTION 5/12/2023 PERMIT SET			
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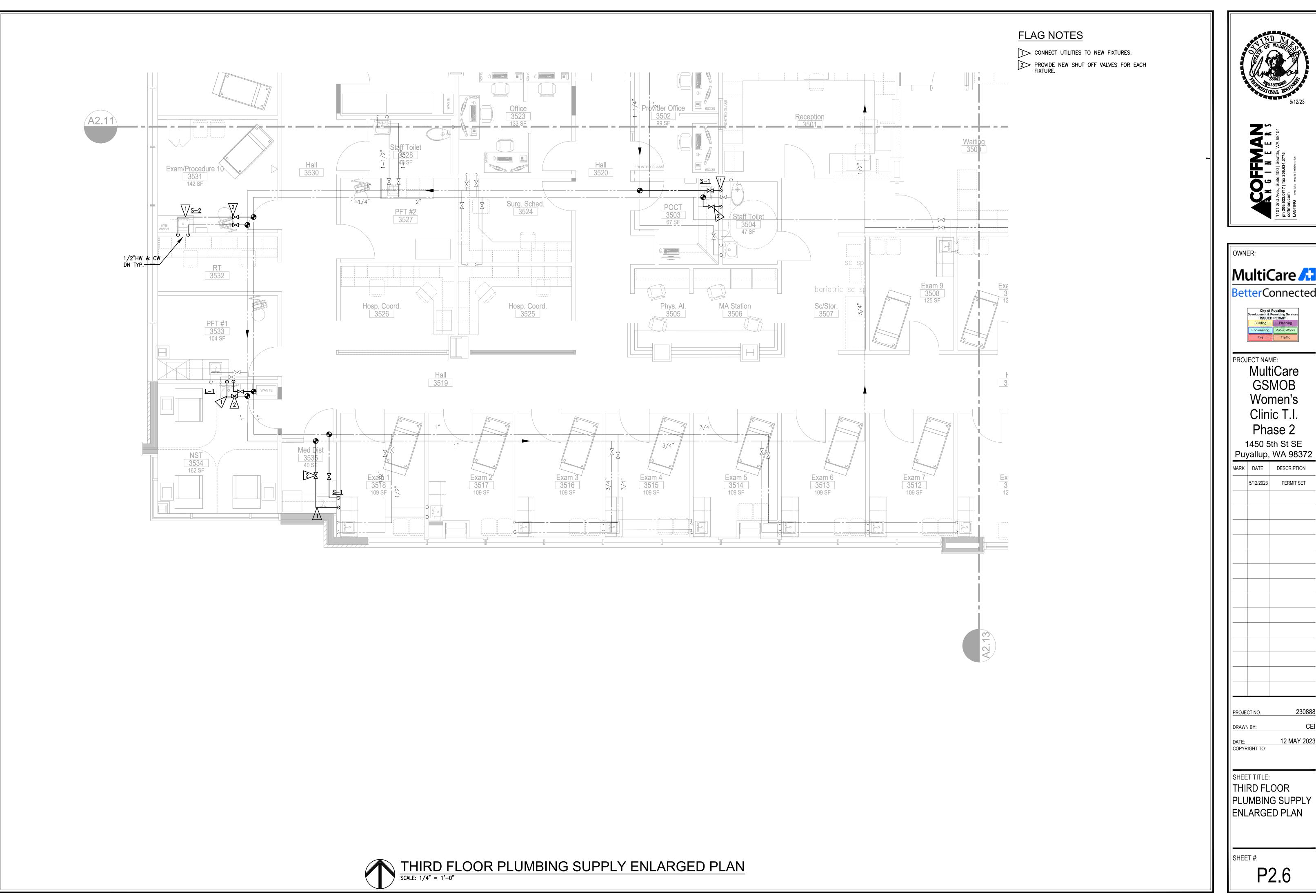


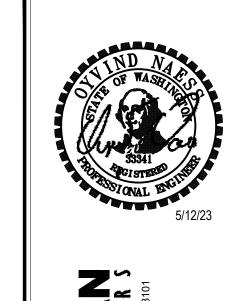
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PLUMBING SUPPLY

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	Development &	Puyallup Permitting Services D PERMIT Planning Public Works
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P2.6

12 MAY 2023

Command Comm				ELECTRICAL SYMBOLS		
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	†			HOSPITAL GRADE DUPLEX RECEPTACLE - WEATHERPROOF	HX	STROBE
Secretary of the process of the control of the con		FIXTURE IS ON EMERGENCY POWER	∯™R	HOSPITAL GRADE DUPLEX RECEPTACLE - TAMPER RESISTANT	Ø	STROBE - CEILING MOUNT
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Marchest Francis	⊗	EXIT SIGN, WALL MOUNT			• •	·
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CONTROL CONTRO	os	OCCUPANCY SENSOR, IR, CEILING MOUNT	\$ _M	HORSEPOWER RATED TOGGLE SWITCH WITH OVERLOAD PROTECTION	•	360° MOTION SENSOR
OCHIENDE - DIGITALISE - SUBSCRIPT HOLDER OF SILLY OF S	103		⊠⊓		M	MAGNETIC LOCK
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CROUT PERWER POWER POLE POWE	≟	GROUND	_		⊢ □	PATIENT BED STATION
WILLIER RIDICATES TREE SETTING AND NUMBER OF POLES FOLES ADJUST STATION AUDIC		CIRCUIT BREAKER	_	POWER POLE	HS	STAFF STATION
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FEEDER METER SURGE PROTECTIVE DEVICE (SPD)		UTILITY METER				
SURGE PROTECTIVE DEVICE (SPD)	M	BRANCH CIRCUIT METER				
SURGE PROTECTIVE DEVICE (SPD)	(M)	FEEDER METER				
		, <i>,</i>				
	_					

		ELE	ECTRICAL ABBREVIATIONS		
AD	AUTO DOOR	FAAP	FIRE ALARM ANNUNCIATOR PANEL	PS	PROJECTION SCREEN
AF	AMPERE FRAME	FACP	FIRE ALARM CONTROL PANEL	PTR	PRINTER
AFF	ABOVE FINISHED FLOOR	FDMPR	FIRE DAMPER	PVC	POLYVINYL CHLORIDE (PLASTIC)
AHU	AIR HANDLING UNIT	FH	FUME HOOD	PWR	POWER
AIC	AMPERE INTERRUPTING CURRENT	FMT	FLEXIBLE METALLIC TUBING	QTY	QUANTITY
AMP	AMPERE	FU or F	FUSE	ra fan	RETURN AIR FAN
AS	AMPERE SWITCH	FVNR	FULL VOLTAGE NON-REVERSING	RECPT	RECEPTACLE
ASV	AIR SOLENOID VALVE	G	GROUND	REF	REFRIGERATOR
AT	AMPERE TRIP	GALV	GALVANIZED	REQD	REQUIRED
ATS	AUTOMATIC TRANSFER SWITCH	GC	GOGGLE CABINET	RH	RANGE HOOD
AWG	AMERICAN WIRE GAUGE	GD	GARBAGE DISPOSAL	RMC	RIGID METAL CONDUIT
BAS	BUILDING AUTOMATION SYSTEM	GEC	GROUNDING ELECTRODE CONDUCTOR	RNG	RANGE
BBO	BACKBOARD OPERATOR	GEN	GENERATOR	RSD	ROLLING STEEL DOOR
BL	BLEACHERS	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SDMPR	SMOKE DAMPER
BLDG	BUILDING	GSV	GAS SOLENOID VALVE	SF	SUPPLY FAN
C	CONDUIT	HH	HAND HOLE	SOLV	SOLENOID VALVE
CAB	CABINET	HID	HIGH INTENSITY DISCHARGE	SPD	SURGE PROTECTIVE DEVICE
CB	CIRCUIT BREAKER	HP	HORSEPOWER	SPEC	SPECIFICATION SINGLE POLE, SINGLE THROW
CCTV	CLOSED CIRCUIT TELEVISION	HPF	HIGH POWER FACTOR	SPST	
CKT	CIRCUIT	HPS	HIGH PRESSURE SODIUM	ST	SHUNT TRIP
CLG	CEILING	HT	HEAT TRACE	STD	STANDARD
CM	COFFEE MAKER	IH	INSTAHOT	STL	STEEL SWITCH
CMU	CONCRETE MASONRY UNIT CONDUIT ONLY	IM IWD	ICE MACHINE INTERCOM WALL DISPLAY	SW SWBD	SWITCH SWITCHBOARD
		J-BOX	JUNCTION BOX	SWGR	SWITCHBOARD
COMM COP	COMMUNICATION COPIER	J-вох kcmil	THOUSAND CIRCULAR MILS	TEL	TELEPHONE
	COOK TOP		KILOVOLT	TEMP	TEMPORARY
CT CT	CURRENT TRANSFORMER	kV	KILOVOLT AMPERE		TRAP PRIMER
CU	COPPER	kVA kW	KILOWATT	TP TR	TAMPER RESISTANT
DCVA	DOUBLE CHECK VALVE ASSEMBLY	kWh	KILOWATT HOUR	ТТВ	TELEPHONE TERMINAL BOARD
DET	DETAIL	MAX	MAXIMUM	TYP	TYPICAL
DIA	DIAMETER	MCC	MOTOR CONTROL CENTER	UC	UNDER COUNTER
DISC	DISCONNECT	MFR	MANUFACTURER	UGND	UNDERGROUND
DISC	DISPOSAL	MECH	MECHANICAL	UH	UNIT HEATER
DLC	DOOR LOCK CONTROLLER	MH	MANHOLE; METAL HALIDE	UL	UNDERWRITERS LABORATORIES
DN	DOWN	MIN	MINIMUM	UON	UNLESS OTHERWISE NOTED
DO	DOOR OPERATOR	ML	MAGNETIC LOCK	UPS	UNINTERRUPTIBLE POWER SUPPLY
DPST	DOUBLE POLE, SINGLE THROW	MLO	MAIN LUGS ONLY	USB	UNIVERSAL SERIAL BUS
DRY	DRYER	MTD	MOUNTED	V	VOLT
DW	DISHWASHER	MTG	MOUNTING	VA	VOLT AMPERE
DWG	DRAWING	MW	MICROWAVE	VFD	VARIABLE FREQUENCY DRIVE
EA	EACH	NEC	NATIONAL ELECTRICAL CODE	VM	VENDING MACHINE
EF	EXHAUST FAN	NEUT	NEUTRAL	W	WATT
EH	ELECTRIC HEATER	NC	NORMALLY CLOSED	W/	WITH
EHD	ELECTRIC HAND DRYER	NIC	NOT IN CONTRACT	WAC	WASHINGTON ADMINISTRATIVE CODE
ELEC	ELECTRIC	NO	NUMBER; NORMALLY OPEN	WAS	WASHER
ELEV	ELEVATOR	NTS	NOT TO SCALE	W/D	STACKED WASHER / DRYER
EMT	ELECTRICAL METALLIC TUBING	OD	OVERHEAD (COILING) DOOR	WF	WASH FOUNTAIN
EP0	EMERGENCY POWER OFF	OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED	WM	WASHING MACHINE
EQUIP	EQUIPMENT	OF/OI	OWNER FURNISHED / OWNER INSTALLED	W/ O	WITHOUT
EWC	ELECTRIC WATER COOLER	PF	POWER FACTOR	WON	WON DOOR
EWH	ELECTRIC WATER HEATER	PH or Ø	PHASE	WP	WEATHERPROOF; WATERPROOFING
EWS	ELECTRIC WINDOW SHADE	PIV	POST INDICATOR VALVE	XFMR	TRANSFORMER
EXIST	EXISTING	PNL	PANEL	Z	IMPEDANCE
FA	FIRE ALARM	PROJ	PROJECTOR		
I					

	DRAWING INDEX
SHEET NUMBER	DESCRIPTION
E0.01	COVER SHEET AND GENERAL INFORMATION
E0.02	GENERAL NOTES
E0.03	LUMINAIRE SCHEDULE
E0.04	NREC
E0.05	NREC
E2.11	PARTIAL THIRD FLOOR LIGHTING PLAN (NORTHWEST)
E2.12	PARTIAL THIRD FLOOR LIGHTING PLAN (SOUTHWEST)
E2.13	PARTIAL THIRD FLOOR LIGHTING PLAN (NORTHEAST)
E3.11	PARTIAL THIRD FLOOR POWER & SYSTEMS PLAN (NORTHWEST)
E3.12	PARTIAL THIRD FLOOR POWER & SYSTEMS PLAN (SOUTHWEST)
E3.13	PARTIAL THIRD FLOOR POWER & SYSTEMS PLAN (NORTHEAST)
E5.01	ONE—LINE DIAGRAM
E6.01	PANEL SCHEDULES



MultiCare 👫

BetterConnected

ROJ	City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic ROJECT NAME: MultiCare GSMOB Women's					
Clinic T.I. Phase 2 1450 5th St SE Puyallup, WA 98372						
ARK	DATE	DESCRIPTION				
	5/8/2023	PERMIT SUBMITTAL #1				

SHEET TITLE:

8 MAY 2023

COVER SHEET
AND GENERAL
INFORMATION

SHEET #:

DATE: COPYRIGHT TO:

E0.01

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY TO ALL DRAWINGS

- 1. ITEMS NOTED AS "TYPICAL" ON ANY DRAWING REFERS TO ALL
- 2. PROVIDE NYLON PULL STRING IN ALL EMPTY RACEWAYS.
- 3. NO STRUCTURAL MEMBERS SHALL BE CUT OR ALTERED WITHOUT PRIOR APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- 4. 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.
- 5. NO RACEWAYS SHALL BE RUN IN FLOOR SLABS.
- 6. 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.
- 7. ALL RACEWAYS IN FINISHED SPACES SHALL BE CONCEALED.
- 8. PROVIDE 2" EMT SLEEVES FOR LOW VOLTAGE WIRING RUNNING THROUGH NON-RATED WALLS, FLOORS AND CEILINGS.
- 9. PROVIDE SLEEVES WITH APPROVED FIRE STOPPING AT EACH LOCATION WHERE LOW VOLTAGE WIRING PENETRATES A RATED WALL OR CEILING.
- SEAL ALL PENETRATIONS IN RATED FLOORS AND CEILINGS WITH A UL APPROVED FIRE STOP SYSTEM.
- 11. PROVIDE A COMPLETE DESIGN—BUILD PATHWAY SYSTEM FOR ALL LOW VOLTAGE WIRING, SEE SPECIFICATIONS. QUANTITY AND SIZE OF RACEWAYS SHOWN ON LOW VOLTAGE SYSTEMS PLANS ARE THE MINIMUM TO BE PROVIDED. CONTRACTOR SHALL PROVIDE ALL RACEWAYS AS REQUIRED.
- 12. ALL LOW VOLTAGE WIRING NOT RUN IN A METALLIC RACEWAY SHALL BE PLENUM RATED.
- 13. ALL EQUIPMENT, LUMINAIRES, RACEWAYS, DEVICES, ETC. SHALL BE UL
- 14. MOUNT ALL DEVICES ABOVE COUNTERS 6" ABOVE BACKSPLASH UNLESS NOTED OTHERWISE.
- 15. ALL CONTROLLED RECEPTACLES SHALL BE PERMANENTLY LABELED AS REQUIRED TO BY THE NEC.
- 16. REFER TO ARCHITECTURAL DRAWINGS FOR DEVICE MOUNTING HEIGHTS.

DOOR HARDWARE

1. PROVIDE ALL RACEWAYS AND WIRING REQUIRED TO INSTALL ELECTRONIC DOOR HARDWARE. REFER TO DOOR HARDWARE SPECIFICATIONS, SCHEDULES AND DIAGRAMS.

LIGHTING CONTROL PANELS (LCP)

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

LIGHTING REQUIREMENTS

THE FOLLOWING GENERAL NOTES APPLY TO ALL LIGHTING PLAN DRAWINGS

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

POWER REQUIREMENTS

THE FOLLOWING GENERAL NOTES APPLY TO ALL POWER PLAN DRAWINGS

- 1. CIRCUIT ALL FIRE/SMOKE DAMPERS AND SMOKE DAMPERS FROM NEAREST 120V EMERGENCY PANEL WITH ½"-3#12. UTILIZE SPARE 20A-1P BREAKER PROVIDED. RECORD CIRCUITING ON AS-BUILT PANEL SCHEDULES AND DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR DAMPER LOCATIONS.
- 2. COORDINATE LOCATIONS OF BAS CONTROL POWER WITH THE CONTROLS CONTRACTOR PRIOR TO ROUGH—IN.

3. 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.
- 4. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR EQUIPMENT RATINGS AND FEEDER SIZES.
- 5. PROVIDE DISCONNECT SWITCH OR COMBINATION STARTER FOR EACH PIECE OF EQUIPMENT AS SHOWN ON MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
- 6. 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.
- 7. ALL EXTERIOR RECEPTACLES SHALL BE WP/GFCI.
- 8. ALL EXTERIOR DISCONNECTS/STARTERS SHALL BE NEMA 3R.
- 9. FEEDER ROUTING SHOWN IS APPROXIMATE. COORDINATE WITH MECHANICAL SYSTEMS AND BUILDING STRUCTURE. PROVIDE OFFSETS AS REQUIRED.
- 10. ALL RECEPTACLES WITHIN 6 FEET OF A SINK SHALL BE GFCI TYPE.
- 11. ALL HEAT TRACE AND SNOW MELT EQUIPMENT CIRCUITS SHALL BE FED WITH GFPE CIRCUIT BREAKERS.
- 12. PROVIDE 120-1¢ HARDWIRED CONNECTION TO EACH TRAP PRIMER FROM NEAREST ADJACENT GENERAL RECEPTACLE CIRCUIT UTILIZING ½" 3#12. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS. RECORD CIRCUITING ON AS-BUILT PANEL SCHEDULES AND DRAWINGS.

EQUIPMENT CONNECTIONS

- PROVIDE ALL RACEWAYS, WIRING AND ANCILLARY EQUIPMENT AS SHOWN ON MANUFACTURER SHOP DRAWINGS.
- 2. PROVIDE HARDWIRED CONNECTION, RECEPTACLE OR FUSED DISCONNECT SWITCH AS SHOWN ON MANUFACTURER SHOP DRAWINGS.

DESIGN BUILD FIRE ALARM SYSTEM

- 1. THE CONTRACTOR SHALL PROVIDE A COMPLETE DESIGN BUILD FIRE ALARM SYSTEM (DEVICES, RACEWAYS AND WIRING) PER THE FIRE MARSHAL'S REQUIREMENTS.
- 2. PROVIDE THE FOLLOWING IN ADDITION TO THE REQUIREMENTS OF THE FIRE MARSHAL:
- 2.A. COMPLETE AREA SMOKE DETECTOR COVERAGE. FIRE SPRINKLERS CANNOT BE USED IN LIEU OF SMOKE DETECTORS.2.B. PULL STATIONS AT ALL EXITS.
- 3. THE CONTRACTOR'S SCOPE SHALL INCLUDE ALL NEW/REMODELED AREAS AND ANY REQUIRED UPGRADES TO THE EXISTING SITE/BUILDINGS.
- 4. 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.
- 5. THE CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING AND PAINTING REQUIRED TO ALLOW FOR INSTALLATION OF THE SYSTEM.
- 6. FIRE ALARM SYSTEM WIRING SHALL BE RUN IN CONTINUOUS METALLIC RACEWAYS.
- 7. PROVIDE ADDRESSABLE DUCT DETECTOR AT EACH FIRE/SMOKE DAMPER (FSD) AND SMOKE DAMPER (SD) LOCATION. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
- 8. PROVIDE FA CONNECTION TO FIRE SPRINKLER TAMPER, FLOW, AND PRESSURE SWITCHES. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
- 9. PROVIDE EXTERIOR FIRE ALARM BELL AND STROBE AT LOCATION DIRECTED BY FIRE MARSHAL.

LOW VOLTAGE SYSTEMS REQUIREMENTS

THE FOLLOWING GENERAL NOTES APPLY TO ALL LOW VOLTAGE SYSTEMS PLAN DRAWINGS

- 1. MINIMUM RACEWAY SIZE SHALL BE 1" FOR TELECOMMUNICATIONS CABLING AND 34" FOR ALL OTHER SYSTEMS.
- 2. ALL 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%.
- 3. PROVIDE ¾" A—C FIRE RETARDANT PLYWOOD ON ALL FOUR WALLS OF THE MDF AND EACH IDF. MOUNT 8' DIMENSION VERTICAL. PAINT FLAT WHITE.
- 4. PROVIDE 11/4" C. FROM EACH FLOOR BOX OR POKE THRU TO ACCESSIBLE CEILING LOCATION. THIS IS IN ADDITION TO THE RACEWAYS SHOWN ON THE DRAWINGS.
- 5. ALL EXTERIOR DEVICES SHALL BE WEATHERPROOF.
- 6. PROVIDE CONNECTION TO FIRE SPRINKLER DOUBLE CHECK VALVE ASSEMBLIES AND PIV'S. REFER TO CIVIL/MECHANICAL DRAWINGS FOR LOCATIONS.
- 7. STAPLES SHALL NOT BE USED TO SECURE LOW VOLTAGE CABLING.

ONE-LINE DIAGRAM

- 1. PROVIDE PULL BOXES AS REQUIRED BY THE NEC.
- 2. SHORT CIRCUIT CURRENTS LESS THAN 10,000 ASYM FOR 208V PANELS AND 14,000 ASYM FOR 480V PANELS ARE NOT SHOWN.
- 4. THE ONE-LINE DIAGRAM IS DIAGRAMMATIC AND DOES NOT SHOW THE ACTUAL ROUTING OF THE RACEWAYS.
- 5. FOR TWO SECTION PANELS PROVIDE FULL SIZE FEEDER CONNECTIONS FROM SECTION 1 TO SECTION 2.
- 6. THE ELECTRICAL DISTRIBUTION SYSTEM SHALL BE FULLY RATED. A SERIES RATED SYSTEM IS NOT ACCEPTABLE.
- 7. ALL TRANSFORMERS ARE 480V 3 PHASE 3 WIRE PRIMARY: 208Y/120V 3
- PHASE, 4 WIRE SECONDARY, DOE 2016 RATED, U.O.N.
- 8. NOT ALL CIRCUIT BREAKERS ARE SHOWN. REFER TO PANEL AND SWITCHBOARD SCHEDULES FOR OTHER LOADS SERVED, AND SPARE CIRCUIT BREAKERS.
- DISTRIBUTION SYSTEM EQUIPMENT SHALL BE RATED FOR THE AVAILABLE FAULT CURRENT AND SHALL BE LABELED WITH THE ARC FLASH HAZARD CATEGORY AND AVAILABLE FAULT CURRENT. ALL NEC 700 AND 701 PORTIONS OF THE DISTRIBUTION SYSTEM SHALL BE SELECTIVELY COORDINATED.
- 10. SET ALL OVERCURRENT DEVICES PER THE COORDINATION STUDY.
- 11. TEST ALL GROUND FAULT RELAYS AS REQUIRED BY THE WAC.
- 12. TRANSFORMER SECONDARY CONDUCTORS SHALL BE NO MORE THAN 10-FEET LONG PER NEC ARTICLE 240.21 (C) 2.
- 13. 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 DRAWING. TRIP UNITS SHALL BE FIELD REPLACEABLE.
- 14. 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. TRIP UNITS SHALL BE FIELD REPLACEABLE.

15. PROVIDE GROUNDING AND BONDING OF ELECTRICAL POWER DISTRIBUTION

EQUIPMENT PER NEC ARTICLE 250.

WASHINGTON STATE NONRESIDENTIAL ENERGY CODE COMPLIANCE

- 1. 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.
- 2. 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.
- 3. 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).

BRANCH CIRCUIT WIRING

THE FOLLOWING GENERAL NOTES APPLY TO ALL DRAWINGS

- 1. IN GENERAL ONLY CIRCUIT NUMBERS HAVE BEEN SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED RACEWAYS AND WIRING.
- 2. SHOW ALL RACEWAYS AND WIRING ON AS-BUILT DRAWINGS.
- 3. MINIMUM RACEWAY SIZE SHALL BE 34".
- 4. NO MORE THAN 7 #12 AWG CONDUCTORS SHALL BE INSTALLED IN A RACEWAY.
- 5. HOMERUNS GREATER THAN 75 FEET TO THE FIRST DEVICE SHALL BE NO. 10 AWG.
- 6. LIGHTING, POWER, AND MECHANICAL EQUIPMENT CONDUCTORS SHALL NOT BE COMBINED IN THE SAME RACEWAY.
- 7. PROVIDE A GROUND CONDUCTOR IN ALL RACEWAYS.
- 8. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT.
- 9. PROVIDE CONDUCTORS AS REQUIRED TO PROVIDE CIRCUITING AND SWITCHING DUTY AS SHOWN ON THE DRAWINGS.
- 10. FOR OTHER THAN 15 OR 20 AMP SINGLE PHASE RECEPTACLE BRANCH CIRCUITS PROVIDE A DEDICATED HOMERUN TO THE PANEL.
- 11. FOR 30 AMP BRANCH CIRCUITS PROVIDE #10 AWG CONDUCTORS.
- 12. FOR 40 AMP AND LARGER BRANCH CIRCUITS PROVIDE RACEWAYS AND WIRING AS SHOWN ON THE DRAWINGS.

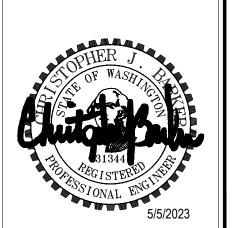
13. GENERAL:

- 13.A. 120V BRANCH CIRCUIT HOMERUNS GREATER THAN 90 FEET TO THE FIRST DEVICE SHALL HAVE CONDUCTORS INCREASED ONE GAUGE SIZE
- FOR EVERY 60' OF LENGTH.

 13.B. 208V BRANCH CIRCUIT HOMERUNS GREATER THAN 125 FEET TO THE FIRST DEVICE SHALL HAVE CONDUCTORS INCREASED ONE GAUGE SIZE
- FOR EVERY 75' OF LENGTH.

 13.C. 277V BRANCH CIRCUIT HOMERUNS GREATER THAN 175 FEET TO THE FIRST DEVICE SHALL HAVE CONDUCTORS INCREASED ONE GAUGE SIZE FOR EVERY 100' OF LENGTH.
- 480V BRANCH CIRCUIT HOMERUNS GREATER THAN 300 FEET TO THE FIRST DEVICE SHALL HAVE CONDUCTORS INCREASED ONE GAUGE SIZE FOR EVERY 200' OF LENGTH.
 13.E. LIGHTING. POWER AND MECHANICAL EQUIPMENT CONDUCTORS SHALL
- NOT BE COMBINED IN THE SAME RACEWAY.

 13.F. PROVIDE A GROUND CONDUCTOR IN ALL RACEWAYS.



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MARK DATE DESCRIPTION

	5/8/2023	PERMIT SUBMITTAL
l		

PROJECT NO. 230888

DRAWN BY:

8 MAY 2023

SHEET TITLE:

GENERAL NOTES

SHEET #:

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	LUMINAIRE SCHEDULE							
Туре	Description	Lamp Type	Ballast/ Driver	Dimming Type	WATTS/VA	Manufacturer Information		
DA1	4.5" APERTURE ROUND RECESSED LENSED DOWNLIGHT 50 DEGREE DISTRIBUTION, CLEAR GLASS LENS. SOFT SPECULAR CLEAR FINISH WITH OVERLAP TRIM.	14W LED 3500K 1079 LUMENS 80 CRI	INTEGRAL DIMMING DRIVER	0-10V 1%-100% dimming range	14/14	PATHWAY LIGHTING "4VLFL2XRL HEALTHCARE LENS" SERIES		
RA1	2X4 RECESS MOUNT GASKETED LED LUMINAIRE HIGH PERFORMANCE EXTRUDED ACRYLIC DIFFERS CONCEAL LEDS	38W LED 3500k 4894 LUMENS	INTEGRAL DIMMING DRIVER	0-10V 1%	38/38	<u>LITHONIA LIGHTING</u> "2BLT4" SERIES		
RB1	2X2 RECESS MOUNT GASKETED LED LUMINAIRE HIGH PERFORMANCE EXTRUDED ACRYLIC DIFFERS CONCEAL LEDS	44W LED 3500K 4800 LUMENS	INTEGRAL DIMMING DRIVER	0-10V 1%	38/38	<u>LITHONIA LIGHTING</u> "2BLT2" SERIES		

MECHANICAL EQUIPMENT CONNECTION SCHEDULE														
EQUIP. NO.	DESCRIPTION	LOCATION	HP	KW	FLA	MCA	МОСР	VOLTAGE	PHASE	DISCONNECT	STARTER	FEEDER	CIRCUITING	NOTES
VAV-2/4-13	TERMINAL UNIT	HALL 3520		2				277	1	HRS	_	3/4" - 2#12 & 1#12G	3CH-37,39	

SCHEDULE NOTES:

GENERAL NOTES

- A. INFORMATION PRESENTED IN THIS SCHEDULE IS BASED ON EQUIPMENT SELECTED BY THE MECHANICAL ENGINEER DURING THE DESIGN PROCESS (PRE-BID). THE ACTUAL EQUIPMENT SELECTED BY MECHANICAL CONTRACTOR UNDER THIS CONTRACT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR ACTUAL LOADS AND PROVIDE OVERCURRENT PROTECTIVE DEVICES AND CIRCUIT SIZES AS REQUIRED BY THE EQUIPMENT MANUFACTURER PRIOR TO ORDERING MATERIALS OR ROUGH-IN.
- B. ALL DISCONNECTS ARE FUSED, U.O.N. CONFIRM FUSE SIZE WITH EQUIPMENT MANUFACTURER.
- C. LOCATE ALL DISCONNECTING MEANS PER 2014 NEC 430.102(B) AND AHJ REQUIREMENTS.

D. ABBREVIATIONS:

AS: AMPERE SWITCH

HRS: HORSEPOWER RATED MOTOR DISCONNECT WITH OVERLOAD PROTECTION.

GENERAL NOTES

- 1. REFER TO ADDITIONAL NOTES ON DRAWING EO.2.
- 2. THE UNDERLINED LUMINAIRE IN THE SCHEDULE REPRESENTS THE "BASIS OF DESIGN". ALL OTHER MANUFACTURERS LISTED MUST MEET OR EXCEED
- 3. VERIFY THE VOLTAGE OF ALL LUMINAIRES. REFER TO PLANS FOR SPECIFIC VOLTAGE REQUIREMENTS.

ALL REQUIREMENTS OF THE BASIS OF DESIGN.

- 4. ALL LUMINAIRES TO BE PROVIDED WITH ALL ROUGH-IN AND TRIM ASSEMBLIES FOR A COMPLETE INSTALLATION.
- 5. ALL LUMINAIRES TO BE PROVIDED WITH A CUSTOM COLOR/FINISH AS SELECTED BY THE ARCHITECT, UNLESS OTHERWISE NOTED.
- 6. ALL LUMINAIRES TO BE UL LISTED AND LABELED. EXTERIOR LUMINAIRES TO BE UL "WET" LABELED.
- 7. LUMINIARES SHALL BE PROVIDED WITH AN INTERNAL DISCONNECTING MEANS WHICH COMPLIES WITH NEC ARTICLE 410.
- 8. ALL FLUORESCENT AND HID BALLASTS TO BE PROVIDED WITH AN IN-LINE FUSE.
- 9. ALL LUMINAIRES TO HAVE AN INTEGRAL BALLAST UNLESS A REMOTE BALLAST IS SPECIFIED.
- 10. TANDEM OR THROUGH-WIRED BALLASTS ARE NOT ALLOWED. PROVIDE A SEPARATE BALLAST FOR EVERY 4' LUMINAIRE 'SECTION'.
- 11. PROVIDE WIRE GUARDS AND PLASTIC LAMP SLEEVES FOR ALL FLUORESCENT LINEAR STRIP LUMINAIRES.
- 12. 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.
- 13. ALL METAL HALIDE LAMPS/BALLASTS SHALL BE PULSE START.
- 14. PROVIDE GLARE SHIELDS FOR ALL POLE MOUNTED LUMINAIRE.
- 15. THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL INTERIOR ELEVATIONS AND THE CASEWORK MANUFACTURER SHOP DRAWINGS TO DETERMINE THE LENGTH OF UNDER CABINET LUMINAIRE.
- 16. REFER TO ARCHITECTURAL ELEVATIONS TO DETERMINE PENDANT LENGTH.
- 17. REFER TO THE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 18. AIM ADJUSTABLE LUMINAIRES AS DIRECTED BY THE ENGINEER.

SPECIAL REQUIREMENTS FOR ALL LED LUMINAIRES

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

SUBSTITUTIONS

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

LIGHTING TYPE NOMENCLATURE

└ <u>VARIANT</u>

(1–9)

TYPE

EXAMPLE DESIGNATION: RA1 E = EMERGENCY(EXIT SIGNS, BUGEYES)

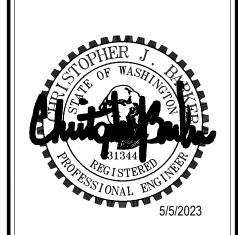
- $C = \dot{C}OVE$
- D = DOWNLIGHTH = HANGING/PENDANT
- R = RECESSEDS = SURFACEU = UNDERCABINET
- T = TRACKW = WALL
- P = POLEB = BOLLARD/POST
- G = IN-GROUND (INGRADE)
- X = EXEMPTZ = CUSTOM

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

PROJECT NAME:

1450 5th St SE Puyallup, WA 98372

MARK DATE DESCRIPTION

5/8/2023 PERMIT SUBMITTAL #1

PROJE	CT NO.	230888

SHEET TITLE: LUMINAIRE & MECHANICAL

SCHEDULES

8 MAY 2023

SHEET #:

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5/5/23, 1:17 PM https://waenergycodes.com/print_project_summary_form.php?k=aWQ9MTgxNDQmZnZpPTE4JmN0aT0=&print=1 LIGHTING COMPLIANCE SUMMARY 2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1 Administered by: ©2023 NEEA, All rights reserved MULTI GSMOB WOMENS CLINIC TI PHASE 2 - 2018 WSEC For Building Department Use: Project Title Date: May 05, 2023 1450 5TH ST SE Puyallup, WA 98372 Project Address Project & Applicant Information Applicant Name Applicant Phone For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com General Occupancy uilding Cond. Floor Area New Building or Alteration Addition Lighting Scope General Project Types Interior Lighting Lighting Scope Lighting Project Description Project Type Interior / Exterior (Interior includes both interior & parking) Lighting Compliance Scope and Method uminaire Replacement Scope | Compliance Method Compliance Verification Options Included Project Title MULTI GSMOB WOMENS CLINIC TI PHASE 2 - 2018 WSEC Date May 05, 2023

			Interior L	ighting Power Allowance - Building Area	Ř			
Building Areas	Gross Interior Area (SF) 770		LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1)	Total Proposed Watts By Building Area 396		Compliance Status by Building Area COMPLIES	
Hospital			0.84	647				
			P	roposed Lighting Power Density				
Fixture Type/Application	Fixture ID	Building Area	New or Existing-to-Remain	Quantity of Fixtures, CLDs or Luminaires (#F)	Watts per Fixture, CLD or Luminaire (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) o (LF x WpLF
Individual Fixtures					j j			
Recessed downlight	DAI	Hospital	New	3	14			42
Other fixture type	RB1	Hospital	New	2	44	(l		88
Other fixture type	RA1	Hospital	New	7	38			266

LPA Calculation Adjustment

Lamp Type

https://waenergycodes.com/print_project_summary_form.php?k=aWQ9MTgxNDQmZnZpPTE4JmN0aT0=&print=1

Project Title MULTI GSMOB WOMENS CLINIC TI PHASE 2 - 2018 WSEC

hting Power Calculation

osed Fixtures Details

Fixture Type/Application

Compliance Method

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Location in Documents

ALTERATION - INTERIOR LIGHTING (50% or more replaced)

ALTERATION - INTERIOR LIGHTING (50% or more replaced)

Building area

Other fixture type	RB1	E2.11-E2.12	LED	Hospital	New
	Fixture Description: 2X2 RECESS	MOUNT GASKETED LED LUMINAIRE	Are these fixtures located within a daylight zone?: No		
	Do these fixtures require specific a	application lighting controls?: None required	J.J.		
Other fixture type	RA1	E2.11-E2.12	LED	Hospital	New
	Fixture Description: 2X4 RECESS	MOUNT GASKETED LED LUMINAIRE	Are these fixtures located within a d	aylight zone?: No	
	Do these fixtures require specific a	upplication lighting controls? None required	8.6		

Lighting, Motor and Electrical Requirements List, pg 1 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2023 NEEA, All rights reserved The following information is necessary to check a permit application for compliance with the lighting systems, motors and electrical system requirements in the Washington State Energy Code, Commercial Provisions.

For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

MULTI GSMOB WOMENS CLINIC TI PHASE 2 - 2018 WSEC 1450 5TH ST SE

Puyallup, WA 98372

Compliance Verification COMPLIES

Date May 05, 2023

Compliance Information Required In Permit Location in Building Department Code Section | Component Documents Documentation LIGHTING SCOPE Construction For a shell & core or tenant-space (first build-

documents - General out) project, indicate if there is no lighting

scope included in the project.

YES	C103.1	Construction documents - General	For an alteration project, indicate if there is no lighting scope included in the project.	E2.11-E2.12
LIGHTING	G CONTROLS			
YES	C405.2	Lighting controls, general	For all lighting fixtures, indicate lighting control method on plans for spaces and lighting zone(s) served, or exception taken	E2.11-E2.12
Option 2 lighting controls LLLC in lie provide description		Indicate on plans all fixtures provided with LLLC in lieu of C405.2 lighting controls; provide description of control capabilities and performance parameters		
NA	C405,2.5,	Lighting in dwelling	Indicate method of automatic control of all	

NA	C405.2.3 C405.2.3.1 C405.2.5	Manual controls	Indicate on plans the method of manual lighting control, location of manual control device and the area or specific application it
NA	C405.2.5, Item 2	Lighting in sleeping units	Indicate method of automatic off control of all installed luminaires in sleeping units (vacancy or key card control); also refer to Receptacles
	Item 3 C405.2.1.1 C405.2.3.1	units (dormitory, hotel and all other than multifamily)	installed luminaires in dwelling units in buildings other than multifamily (occupancy or light reduction controls)

New or Existing-to-Remain **Building Area** C405.2.3.1 Manual interior light Indicate on plans which method of manual C405.2.1.1 reduction controls 50% lighting load reduction is provided, or C405.2.4 indicate applicable exception C405.2.1 Method of automatic Indicate on plans the method of automatic C405.2.2.1 shut-off control shut-off control during unoccupied periods

YES

C405.2.1,

C405.2.1

Exception 3

C405.2.1

C405.2.1.1

Occupant sensor

Occupant sensor

https://waenergycodes.com/print_project_summary_form.php?k=aWQ9MTgxNDQmZnZpPTE4JmN0aT0=&print=1

unoccupied

to 100% power

Lighting, Motor and Electrical Requirements List, pg 3 of 10

illulings including Group nz, no a

Lighting, Motor and Electrical Requirements List, pg 2 of 10

2018 WSEC Requirements for Commercial Buildings including Group R2, R3 & R4 over 3 stories & all R1 -- Administered by ©2023 NEEA, All rights reserved The following information is necessary to check a permit application for compliance with the lighting systems, motors and electrical system requirements in the Washington State Energy Code, Commercial Provisions. For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

Date: 2023-05-05	NA	C405,2,1.2	Occupant sensor controls - warehouses spaces	Indicate each aisleway and corridor within a warehouse space are designated as separate zones that are independently controlled	
ilding Department otes	NA			Indicate occupant sensors are configured to automatically reduce lighting power by 50% when the zone is unoccupied and 100% off after the zone is unoccupied for over 20 minutes; indicate controls are configured to automatically restore lighting to full power when the zone or space is occupied	
	NA	C405.2.1.3	Occupant sensor controls - open plan office areas	For open plan office areas larger than 300 sf, indicate general lighting is provided with vacancy controls that reduce lighting power by not less than 80% and are configured to turn luminaires 100% off when the space is unoccupied; indicate that no individual control zone area exceeds 600 sf	
	NA	C405,2:1.4	Occupant sensor controls - purking garages	Indicate parking garage general lighting is provided with vacancy controls that reduce lighting power by not less than 30% and are configured to turn luminaires 100% off when no vehicles or pedestrians are present, unless eligible for an exception; indicate that no individual control zone area exceeds 3,600 sf	
	NA	C405.2.1.5	Occupant sensor controls - enclosed fire-rated stairwells	Indicate stairway lighting is provided with vacancy controls that reduce lighting power by not less than 50% when the stairway in unoccupied	
	NA	C405.2.2.1	2.2.1 Automatic time switch controls	Indicate spaces on plans where time switch controls turn luminaires 100% off during unoccupied hours	
	NA			Indicate spaces on plans where time switch controls are configured to turn on lighting to full power versus 50% power	
	NA			Indicate locations of override switches on plans and the lighting zone(s) served; indicate that the area(s) served by each override switch does not exceeds 5,000 sf	
	NA	C405.2.1, Exception 3	Digital timer switch	Indicate digital timer switch control includes: manual on/off, time delay, audible and visual indication of impending time-out	
	NA	C405.2.4.2 C405.2.4.3	Daylight zones - Sidelit and toplit	Indicate primary and secondary sidelit daylight zone floor areas on plans	
	NA			Indicate toplit daylight zone floor areas on plans	
	NA			For small vertical fenestration assemblies (rough opening less than 10 percent of primary daylight zone floor area) where daylight responsive controls are not required, provide fenestration area to daylight zone floor area calculation(s)	

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The following information is necessary to check a permit application for compliance with the lighting systems, motors and electrical system requirements in the

(occupancy sensor, time switch or digital timer switch) for all lighting zones

E2.11-E2.12

E2,11-E2,12

Indicate on plans all luminaires that are

controlled by occupant sensor controls;

indicate controls are configured to turn luminaires 100% off when the space is

Indicate if occupant sensor controls are

configured to be manual on or automatic on to not more than 50% power; indicate spaces eligible for exception that allows automatic on

Lighting, Motor and Electrical Requirements List, pg 4 of 10

multigs including Group Hz, Ho The following information is necessary to check a permit application for compliance with the lighting systems, motors and electrical system requirements in the Washington State Energy Code, Commercial Provisions.

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NA	C405,2.4	Daylight responsive controls	Indicate on plans lighting zone(s) served by daylight responsive controls; indicate that the area served by each control device does not exceeds 2,500 sf	
NA			Identify sidelit and toplit daylight zones that are not provided with daylight sensing controls and the exception(s) that apply	
NA	C405.2.4.1.1	Daylight responsive controls	Indicate on plans the lighting load reduction method (continuous dimming, or stepped dimming that provides at least two even steps between 0%-100% of rated power)	
NA	C405.2.4.1	Daylight responsive controls	Indicate that daylight sensing controls are configured to completely shut off all controlled lights in the lighting zone	
NA	C405.2.5	Additional controls - Specific application lighting controls	Identify spaces and lighting fixtures on plans that require specific application lighting controls per this section	
NA	C405.2.5, Item 1	Display and accent lighting	Indicate on plans that manual controls are provided that control display, accent lighting and display case lighting independently from both general area lighting and other lighting applications within the same space	
NA			Indicate manual and automatic (occupant sensor or time switch) lighting control methods	
NA	C405.2.5, Item 3	Hotel/motel guest rooms	Indicate method of automatic control- vacancy or captive key control of all installed luminaires and switched receptacles in guest room	
NA	C405.2.5, Item 1	Supplemental task lighting	Indicate method and location of manual and automatic shut-off control (occupant sensor or time switch) for supplemental task lighting, including under-shelf or under-cabinet lighting	
NA	C405.2.5, Item 1	Lighting equipment for sale or demonstration	Indicate on plans that lighting equipment for sale or demonstration are controlled independently from both general area lighting and other lighting applications within the same space	
NA			Indicate manual and automatic (occupant sensor or time switch) lighting control methods	
NA	C405.2.5, Item 4	Lighting for non- visual applications	Identify all eligible non-visual lighting applications on plans; indicate that the area served by each control device does not exceeds 4,000 sf	
NA			Indicate on plans that non-visual lighting are controlled independently from both general area lighting and other lighting applications within the same space	

NA			Indicate method of manual lighting control and applicable automatic lighting control		
YES	C405.2.5, Item 5	Means of egress lighting	Identify on plans egress fixtures that function as both normal and emergency means of egress illumination	E2.11-E2.12	
YES			Provide calculation of lighting power density of total egress lighting	E2.11-E2.12	
YES			If total egress lighting power density is greater than 0.02 W/sq, ft., indicate on plans egress fixtures requiring automatic shut-off during unoccupied periods	E2.11-E2.12	
YES			Indicate method of automatic shut-off control	E2.11-E2.12	
NA	C405.4.1 C405.4.2	Lighting control of exempt interior lighting	Indicate that exempt interior lighting equipment and lighting located within spaces that are eligible for a lighting power exemption are controlled independently from non-exempt and general area lighting		
NA	C405.2.6	Exterior lighting controls	For decorative exterior lighting, indicate on plans automatic daylight shut-off controls, or exception taken		
NA			For exterior lighting that is not decorative, indicate on plans automatic daylight or timeswitch shut-off controls and setback controls; or indicate exception taken		
NA			For lighting requiring setback controls, include control sequence that reduces lighting power by at least 30% between 12am-6am, or from 1 hour after closing to 1 hour before opening, or based upon motion sensor		
NA			For building facade and landscape lighting, indicate control sequence for shut-off control is based on dawn-to-dusk and business opening/closing schedule; indicate whether automatic or time switch controls will be provided for this function		
NA	C405.5,2	Lighting control of exempt exterior lighting	Indicate that exempt exterior lighting and lighting located within exterior areas/surfaces that eligible for a lighting power exemption are controlled independently from non- exempt exterior lighting		
NA	C405.5.4	Exterior gas-fired lighting appliances	Indicate ignition system is a method other then continuously burning pilot light		
NA	C405.2.7	Area controls - Master control switches and circuit power limit	Indicate location(s) of master control switch(es) intended to control multiple independent switches; circuit breaker may not be used as a master control switch		
NA			Verify that no 20 amp circuit controlled by a single switch or automatic control is loaded beyond 80%		
ADDITION	NAL EFFICIENCY	CREDIT - ENHANCE	D INTERIOR LIGHTING CONTROLS		

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OWNER:
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City of Puyallup elopment & Permitting Serv ISSUED PERMIT Engineering Public Works

PROJECT NAME:

1450 5th St SE Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL #1
PROJE	CT NO.	230888

8 MAY 2023 COPYRIGHT TO:

SHEET TITLE: NREC

ighting.	, Motor a	nd Electrica	l Requirements List, pg 5	of 10	Lighting	, Motor a	nd Electrical	Requirements List, pg 6 of 10	Lighti	ng, Motor a	and Electrica	Requirements List, pg 7	of 10
ne following inf ashington Stat	ormation is neces e Energy Code, C	sary to check a permit a ommercial Provisions.	pplication for compliance with the lighting systems,		The following inf Washington Stat	ormation is neces e Energy Code, (sary to check a permit ap Commercial Provisions.	ing Group R2, R3 & R4 over 3 stories & all R1 Administered by ©2023 NEEA, All rights resplication for compliance with the lighting systems, motors and electrical system requirements in Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com	the The followin Washington	g information is nece State Energy Code,	ssary to check a permit ap Commercial Provisions.	ding Group R2, R3 & R4 over 3 stories & all R1 Application for compliance with the lighting systems, not a Technical Support at 360-539-5300 or via email at	notors and electrical system requirements in the
NA	C406.4	Enhanced digital lighting controls	To comply with additional efficiency credit, indicate on plans that interior fighting fixtures are configured with all of the following control functions, as applicable: 1) Each fixture is individually addressed, or exception taken; 2) Fixtures are configured for continuous dimming; 3) No more than eight	a contract supportion was not great a supportion of the supportion of the support	NA NA	C405.4.2.2	Space-By-Space Method	Demonstrate that total proposed wattage does not exceed maximum allowed wattage; identify locations of space types on plans, including retail display areas and areas with display, highlight and decorative lighting; provide WSEC exterior lighting compliance reports	NA NA	is about this report, o	Sittati WOLO Commercia	Demonstrate that proposed wattage per non-tradable surface type does not exceed maximum allowed wattage per non-tradable surface type (including base site allowance remaining after tradable allowance calculation); identify locations of non-tradable surfaces on plans; provide WSEC exterior lighting compliance reports	com.techsapport@wachergycodes.com
			sensor; 4) In enclosed and open office areas,		ADDITIONA		1.00	D INTERIOR LIGHTING POWER DENSITY	LIGHTIN	G ALTERATIONS	I	ngining companies reports	
			lighting is configured to be individually adjusted by occupants		NA	C406.3.1 C406.3.2	Reduced interior lighting power density	To comply with additional efficiency credit, demonstrate that total connected interior lighting wattage is 10% or 20% less than the total maximum allowed lighting wattage for	YES	C503.6.1	Interior and parking garage lighting fixture alterations	Where ≥ 50% of existing luminaires in an interior space or parking garage are replaced; indicate compliance path (building area or	E2.11-E2.12
NA .			lighting power of all interior lighting fixtures configured with enhanced lighting controls is no less than 90% of the total interior lighting power for the area the enhanced lighting					the area the reduced lighting power credit is being applied to; indicate whether lighting power allowance is based on the building area method or space-by-space method; provide WSEC exterior lighting compliance reports			TAME MEMORIS	space-by-space method); include all new and existing-to-remain luminaires in WSEC interior lighting compliance reports; indicate proposed lighting wattage does not exceed maximum allowed per compliance path	
NTERIOR L	GHTING POW	ER & EFFICACY	Include all luminaires in interior lighting controls credit is being applied to Include all luminaires in interior lighting fixture schedule; indicate the installed luminaires with spering indicate the installed luminaires, indicate the exception applied Include all luminaires in interior lighting fixtures are controlled by a single daylight sensor; 4) In enclosed and open office areas illumination levels of overhead general area lighting is configured to be individually adjusted by occupants. Include calculations that demonstrate the to lighting power of all interior lighting fixture configured with enhanced lighting controls no less than 90% of the total interior lighting power for the area the enhanced lighting controls credit is being applied to Include all luminaires in interior lighting fixture schedule; indicate fixture types, lam ballasts, and manufacturer's watts per fixtur for the installed lamp Identify spaces eligible for lighting compliance reports; indicate the exception applied Identify lighting equipment eligible for lighting compliance reports; indicate the exception applied Identify lighting equipment eligible for lighting power exemption in fixture schedula and in WSEC interior lighting compliance reports; indicate the exception applied Identify lighting equipment eligible for lighting power exemption in fixture schedula and in WSEC interior lighting compliance reports; indicate the exception applied Identify lighting equipment eligible for lighting power density or by qualifying lamp type; if by lamp type, include number lamps Include all luminaires, indicate in lighting fixture schedule whether complying lamp type; if by lamp type, include number lamps For all installed luminaires, indicate in lighting power density or by qualifying lamp type; if by lamp type, include number lamps For all installed luminaires, indicate in lighting fixture schedule whether complying via lighting power density or by qualifying lamp type; if by lamp type, include number lamps For all installed lum		NA	C406.3	Reduced interior	For project with dwelling units, to comply	NA			Where < 50% of existing luminaires in an	
/ES	C405.4.1 C405.4.2	Total connected interior lighting power	fixture schedule; indicate fixture types, lamps, ballasts, and manufacturer's watts per fixture	E003			lighting power density - dwelling unit lamp efficacy	with additional efficiency credit indicate in lighting fixture schedule that lamps within installed interior luminaires have an efficacy rating of at least 65 lumens per watt; include number of lamps and provide calculations that demonstrate at least 95% of lamps have this				interior space or parking garage are replaced; indicate total existing lighting wattage in each space prior to alteration; include all new and existing-to-remain luminaires in WSEC interior lighting compliance reports; indicate proposed total lighting wattage in alteration	
YES				E004				efficacy rating				area does not exceed total existing lighting	
			lighting compliance reports; indicate the		EXTERIOR I	IGHTING POV	VER & EFFICACY		NA NA			wattage prior to alteration Where ≥ 50% of existing exterior lighting	
YES			Identify lighting equipment eligible for lighting power exemption in fixture schedu and in WSEC interior lighting compliance reports; indicate the exception applied	E004	NA	C405.5.2	Total connected exterior lighting power	Include all luminaires in exterior lighting fixture schedule; indicate fixture types, lamps, ballasts, and manufacturer's watts per fixture for the installed lamp				wattage is replaced; include all new and existing-to-remain luminaires in WSEC exterior lighting compliance reports; indicate proposed total exterior lighting wattage does not exceed maximum allowed	
NA	C405.1.1	Lighting in dwelling units (multifamily)	schedule; for lamps that are not LED, T-8 or small diameter fluorescent, indicate efficacy		NA	0.005 5.341		Identify exterior applications eligible for lighting power exemption on plans and in WSEC exterior lighting compliance reports; indicate exception applied	NA			Where < 50% of existing exterior lighting wattage is replaced; indicate total existing lighting wattage prior to alteration; include all new and existing-to-remain luminaires in	
			greater		NA NA	C405,5,3(1)	Exterior lighting zone	Indicate building exterior lighting zone as specified by the AHJ For building grounds fixtures rated at greater				WSEC interior exterior compliance reports; indicate proposed total exterior lighting wattage does not exceed total existing wattage	
NA			lighting fixture schedule whether complying via lighting power density or by qualifying			2000 1000 1000 100	grounds lighting	than 50 watts, indicate rated lamp efficacy (in lumens per watt) in fixture schedule	YES	C503.6.2	Interior lighting	prior to alteration	E2.11-E2.12
			tamp type; if by lamp type, include number of lamps		EXTERIOR I	IGHTING POV	VER CALCULATION				wiring and circuiting alterations	interior luminaires and /or luminaires are relocated to a new circuit; indicate manual	
NA			For all installed luminaires, indicate in lighting fixture schedule whether complying via lighting power density or by qualifying lamp type; if by lamp type, include number of lamps		NA	C405.5.3	Tradable allowances	Demonstrate that total proposed tradable surface wattage does not exceed maximum allowed tradable surface wattage (including base site allowance); identify locations of tradable surfaces on plans; provide WSEC exterior lighting compliance reports				and automatic lighting controls are provided (as applicable) - manual (C405.2.3); occupancy sensor (C405.2.1); light reduction (C405.2.3); daylight responsive (C405.2.4); specific application (C405.2.5)	
NTERIOR L	GHTING POW	ER CALCULATION	- INDICATE COMPLIANCE PATH TAKEN					Externs agrang companies reports	NA			Where new wiring is installed to serve new exterior luminaires and /or luminaires are	
YES	C405.4.2.1	Building Area Method										relocated to a new circuit; indicate automatic lighting controls are provided (C405.2.6)	
018 WSEC Red he following inf /ashington Stat	quirements for Cor ormation is neces e Energy Code, C	mmercial Buildings inclu sary to check a permit a ommercial Provisions.			2018 WSEC Red The following inf Washington Stat	quirements for Co ormation is neces e Energy Code, (mmercial Buildings includ sary to check a permit ap Commercial Provisions.	Page 6/10 Requirements List, pg 9 of 10 ing Group R2, R3 & R4 over 3 stories & all R1 Administered by ©2023 NEEA, All rights resplication for compliance with the lighting systems, motors and electrical system requirements in Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com	rved 2018 WSEC the The followin Washington	Requirements for Co g information is nece State Energy Code,	ommercial Buildings includes sary to check a permit ap Commercial Provisions.	Page 7/10 I Requirements List, pg 10 ding Group R2, R3 & R4 over 3 stories & all R1 A poplication for compliance with the lighting systems, n	Administered by ©2023 NEEA, All rights reserved notors and electrical system requirements in the
NA	C503.6.3	Lighting panel alterations			NA	C405.6	Electrical transformers	Include electrical transformer schedule on electrical plans; indicate transformer type, size, efficiency, or exception taken	YES	C408.1.2 C408.1.2.1 C408.1.4 C103.6.3	Commissioning requirements in construction	Include general summary of Cx plan per C408.1.2 including: 1) Narrative description of activities; 2) Responsibilities of the Cx team; 3) Schedule of activities including	E0.01
NA	C503.6.4	Newly-created rooms	requirements apply Where interior space(s) is reconfigured		YES	C405.11	Feeders and branch circuits	Provide documentation that demonstrates maximum voltage drop across feeders and branch circuits does not exceed 5%		C103.6.3	documents	team; 3) Schedule of activities including verification of project close out documentation per C103.6; 4) Conflict of interest plan (if required)	
			(permanently installed walls or ceiling-height partitions) to create new enclosed spaces,		NA	C405.7	Dwelling unit	Indicate on electrical plans that each dwelling	YES	C408.1.2	Commissioning	Include in general summary that a Cx project	E0.01

unit in Group R-2 has a separate electrical report and Compliance Checklist (Figure indicate all applicable lighting controls energy meter C103.6.3 C408.1.4.1) shall be completed by the requirements apply construction documents Certified Cx Professional and provided to the C405.8 Include all motors, including fractional hp Electric motor C504.2 Lighting repairs Identify existing luminaires being upgraded owner prior to the final electrical inspection motors, in electric motor schedule on with bulb and / or ballast replacement; electrical plans; indicate motor type, Identify in plans and specifications the E0.01 C408.4.1 indicate fixture alteration does not increase Functional horsepower, rpm, rated efficiency, or performance testing intended operation of all equipment and existing fixture wattage exception applied controls during all modes of operation, C505.1 Change of interior Identify spaces on plans where the building including interfacing between new and C405.9.1 Elevator cabs For luminaires in each elevator cab, provide area type or space use type is being changed existing-to-remain systems calculations that demonstrate average efficacy from one type to another per Tables is not less than 35 lumens per watt C405.4.2(1) or (2) PROJECT CLOSE OUT DOCUMENTATION For elevators that do not have an integral air C103.6.3 Project close out Indicate compliance method (building area or Indicate in plans that project close out conditioning system, indicate rated watts per space-by-space); include all new and existingdocumentation is required including WSEC cfm for elevator cab ventilation fans do not to-remain luminaires in WSEC interior lighting compliance reports that document all requirements exceed 0.33 watts per cfm lighting compliance reports; indicate proposed interior and exterior lighting area and / or lighting wattage does not exceed maximum surface types, lighting power allowances and Indicate automatic controls that de-energize allowed per compliance path installed densities lighting and ventilation fans when elevator is stopped and unoccupied for a period of 15 RECEPTACLES If "no" is selected for any question, provide explanation. minutes or more C405.10 Controlled Identify all controlled and uncontrolled E3.11-3.13 C405.9.2 Escalators and Indicate escalators comply with ASME receptacles on electrical plans in each space in A17.1/CSA B44; automatic controls are which they are required; include receptacle moving walks configured to reduce operational speed to the configuration such as spacing between minimum permitted when not in use controlled and uncontrolled, duplex devices, C405.9.3 Regenerative drive Indicate all one-way down or reversible escalators are provided with a variable Provide schedule that lists the number of E3.11-3.13 frequency regenerative drive controlled and uncontrolled receptacles in each space where controlled receptacles are DOCUMENTATION AND SYSTEM REQUIREMENTS TO SUPPORT COMMISSIONING (CX) required - classrooms, private offices, open office areas, conference rooms, copy rooms, Scope of electrical Indicate that all electrical systems power and lighting (receptacles, transformers, motors, vertical break rooms and modular partitions/workstations and horizontal transportation) for which the WSEC requires control functions and / or YES Indicate on plans the method of automatic E3.11-3.13 configuration to perform specific functions control for each controlled receptacle zone are required to be commissioned (occupant sensor or programmable time-ofday control); indicate that each zone served by YES Where total building lighting load is > 20 kW, E0.01 a single controller does not exceed 5,000 sf or where total lighting load of luminaires requiring daylight sensing and / or occupancy C405.2.5, Switched receptacles Indicate method of automatic off control of control > 10 kW, indicate that all automatic in sleeping units all switched receptacles in sleeping units lighting control systems are required to be (vacancy or key card control) commissioned; or provide building lighting power calculation demonstrating eligibility for C503.6.6 Electrical receptacle Where new receptacles are added or replaced within an alteration project that is 5,000 sf or larger, indicate receptacles are provided with Indicate Cx requirements in plans and YES C405.13 automatic controls per C405.10, or exception C408.1.1 requirements in specifications for all applicable electrical and

C408.1.2 construction

C408.1.4.2 documents

C103.6.3

MOTORS, TRANSFORMERS, ELECTRIC METERS, INTERIOR TRANSPORTATION

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Suite 400
Seattle, WA 98101
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City of Puvallup

City of Puyallup
Development & Permitting Services
/ISSUED PERMIT
Building Planning
Engineering Public Works
Fire Traffic

GSMOB Women's Clinic T.I. Phase 2

1450 5th St SE

^o uy	/allup,	WA 98372
ARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL #1
ROJE	CT NO.	230888

PROJECT NO. 23088

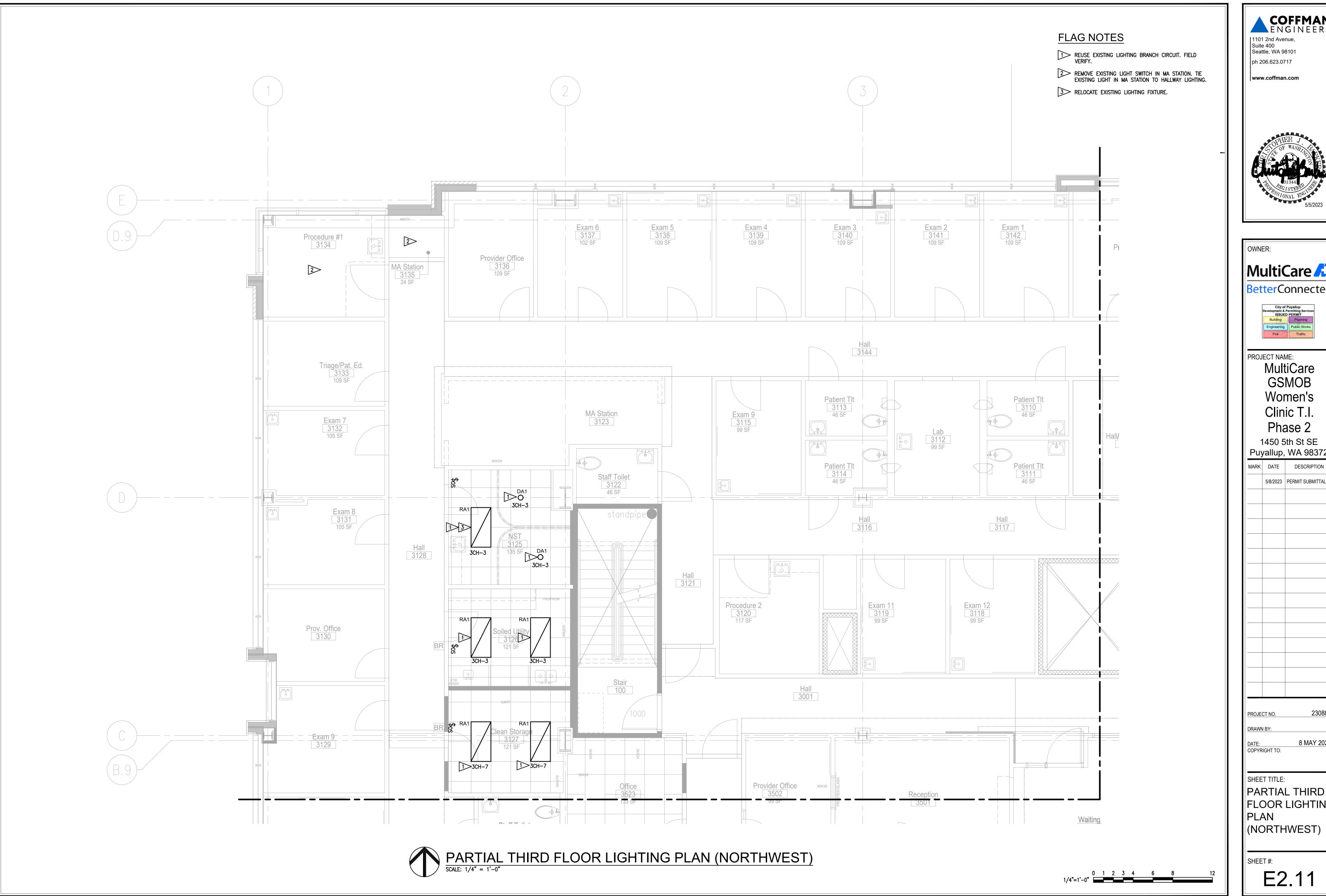
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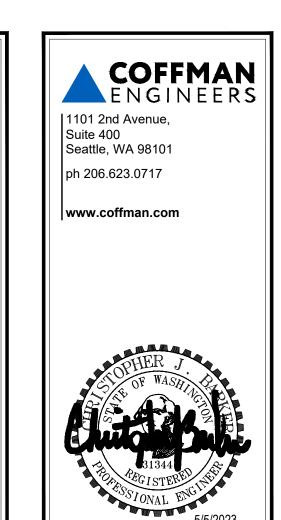
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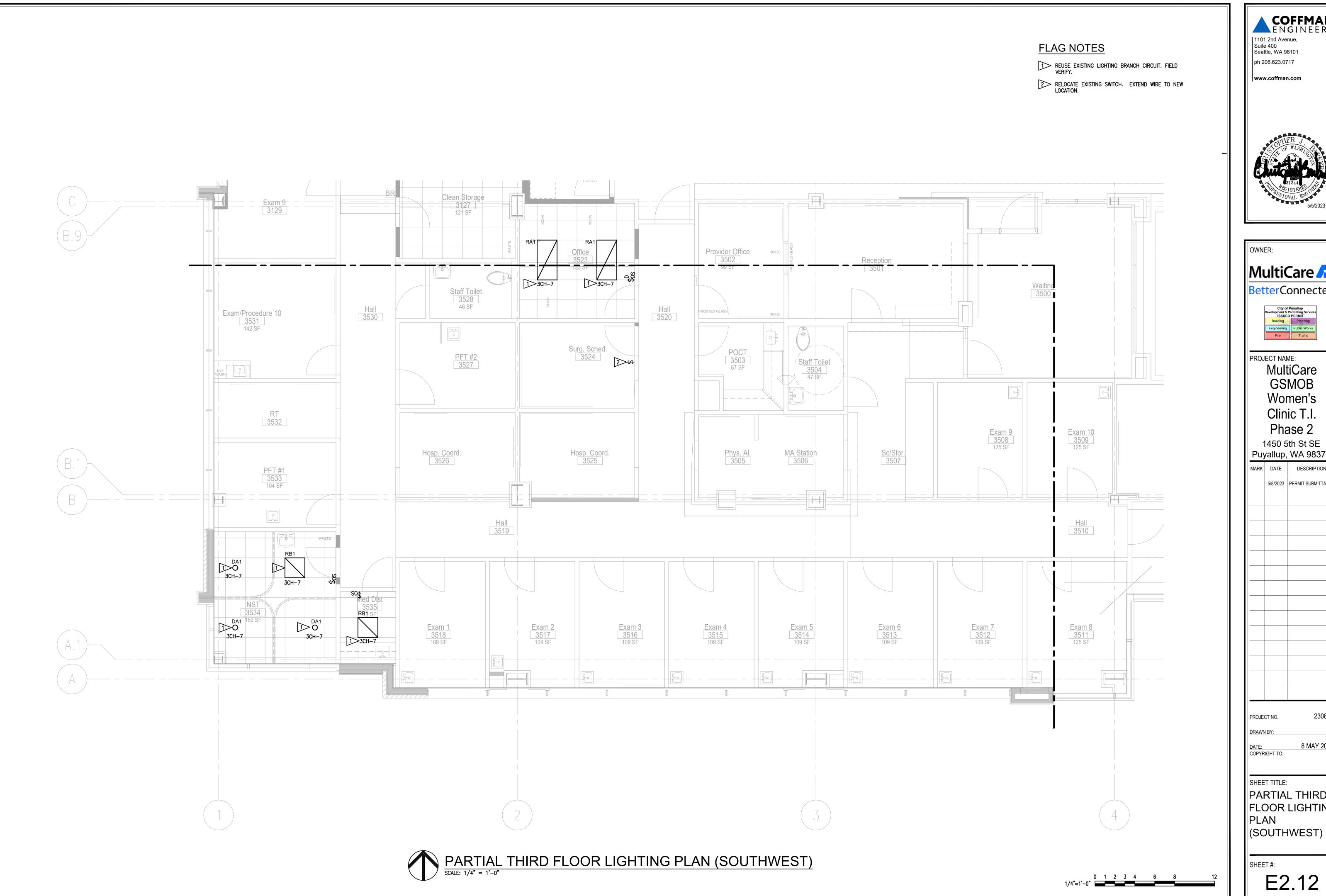
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lighting control systems per C408

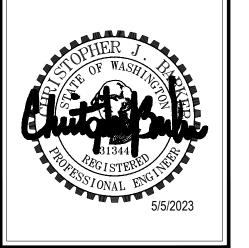


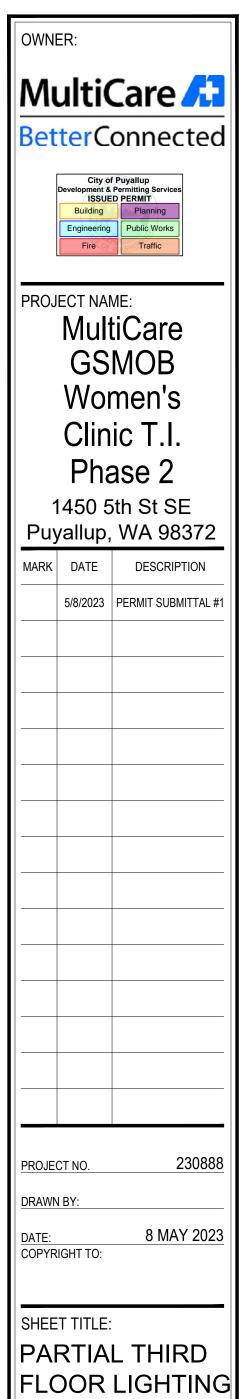


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MARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL #1
PROJE	CT NO.	230888
DRAWN	NBY:	
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PAI		L THIRD LIGHTING

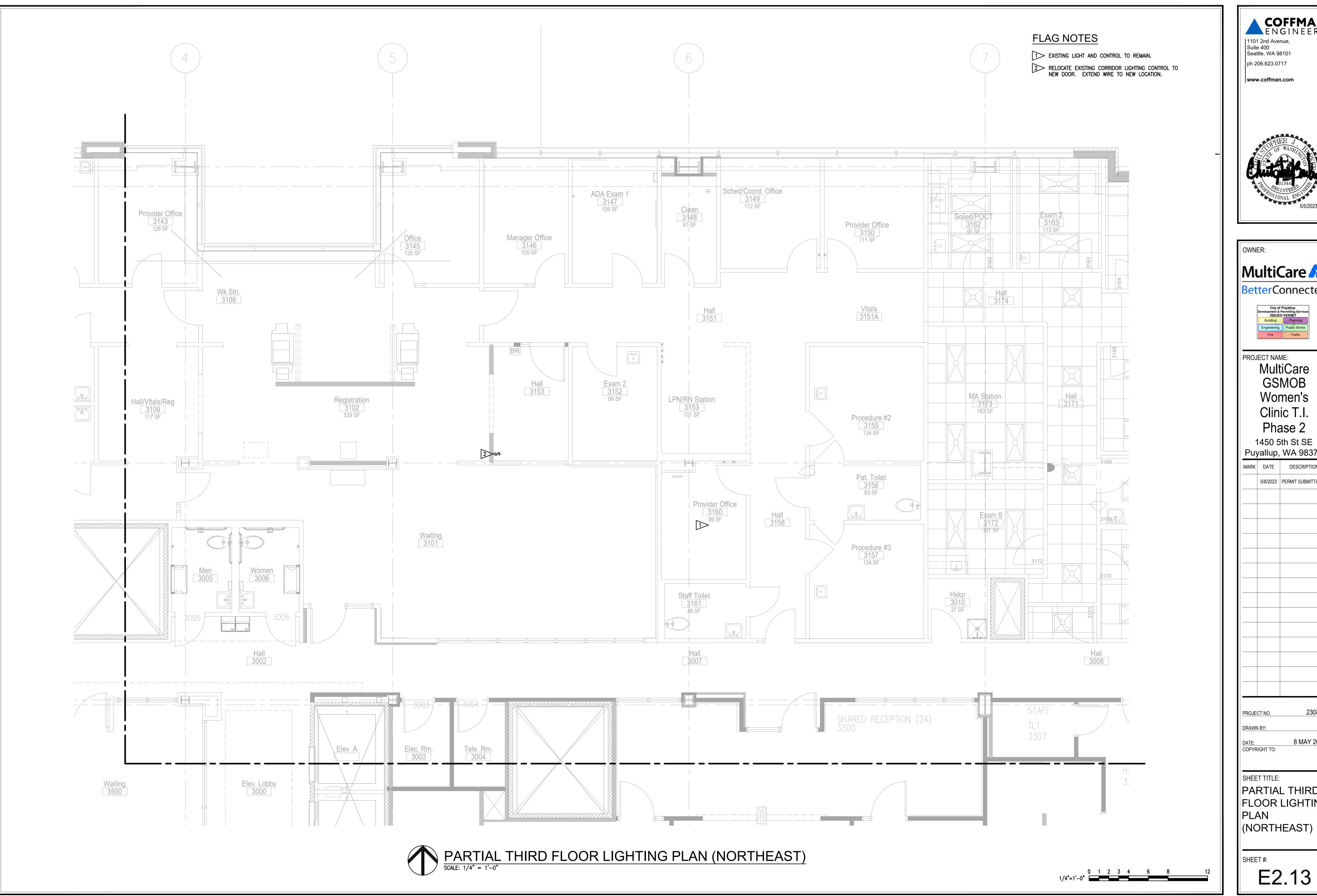








E2.12

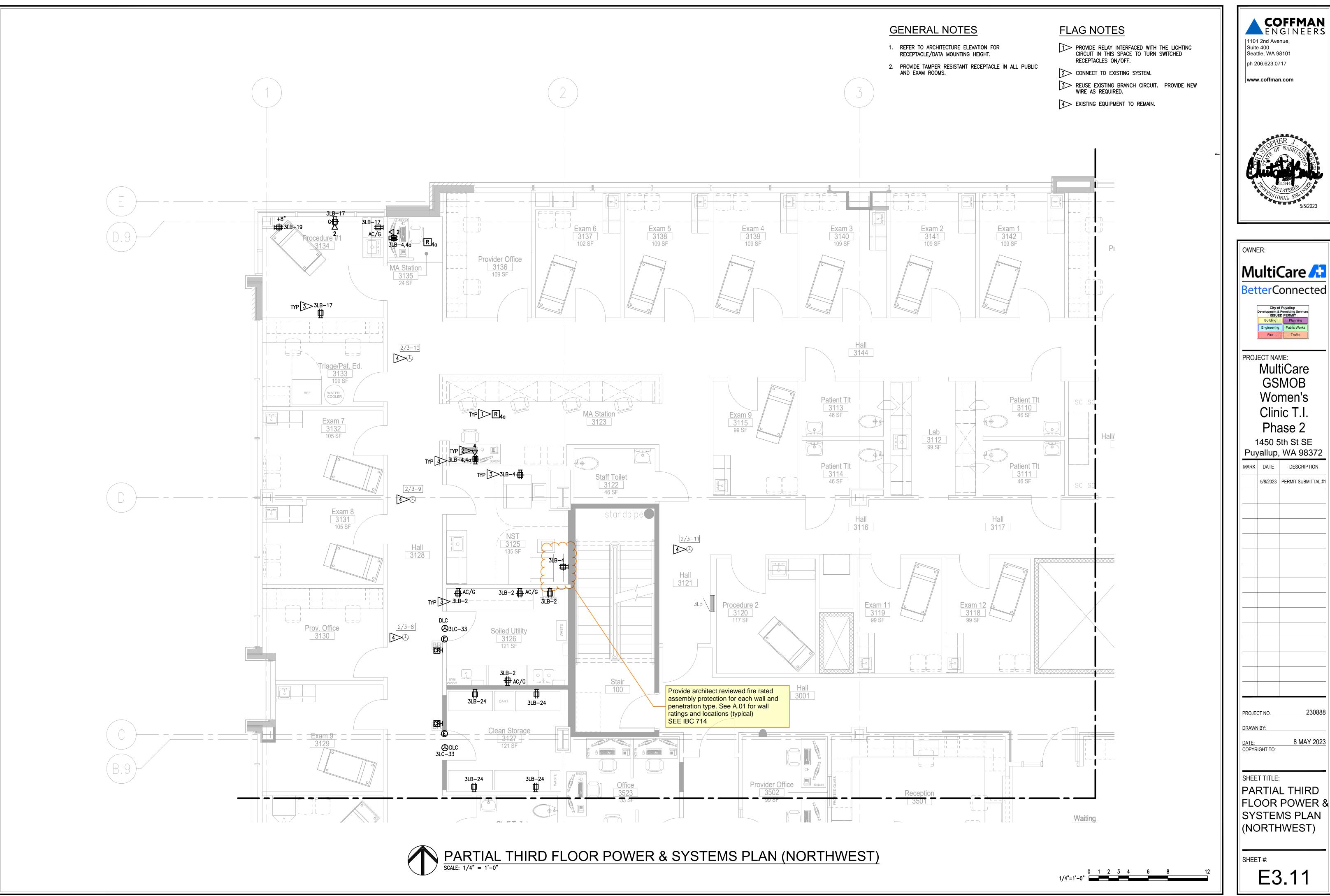


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MultiCare 🙃 **Better**Connected City of Puyallup
Development & Permitting Services
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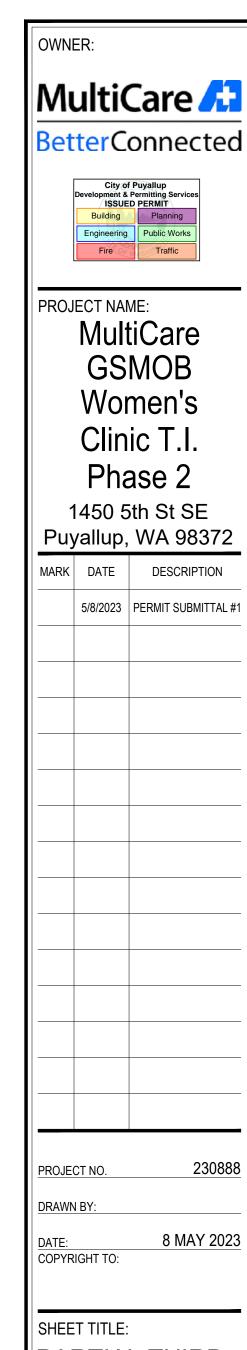
Building Planning

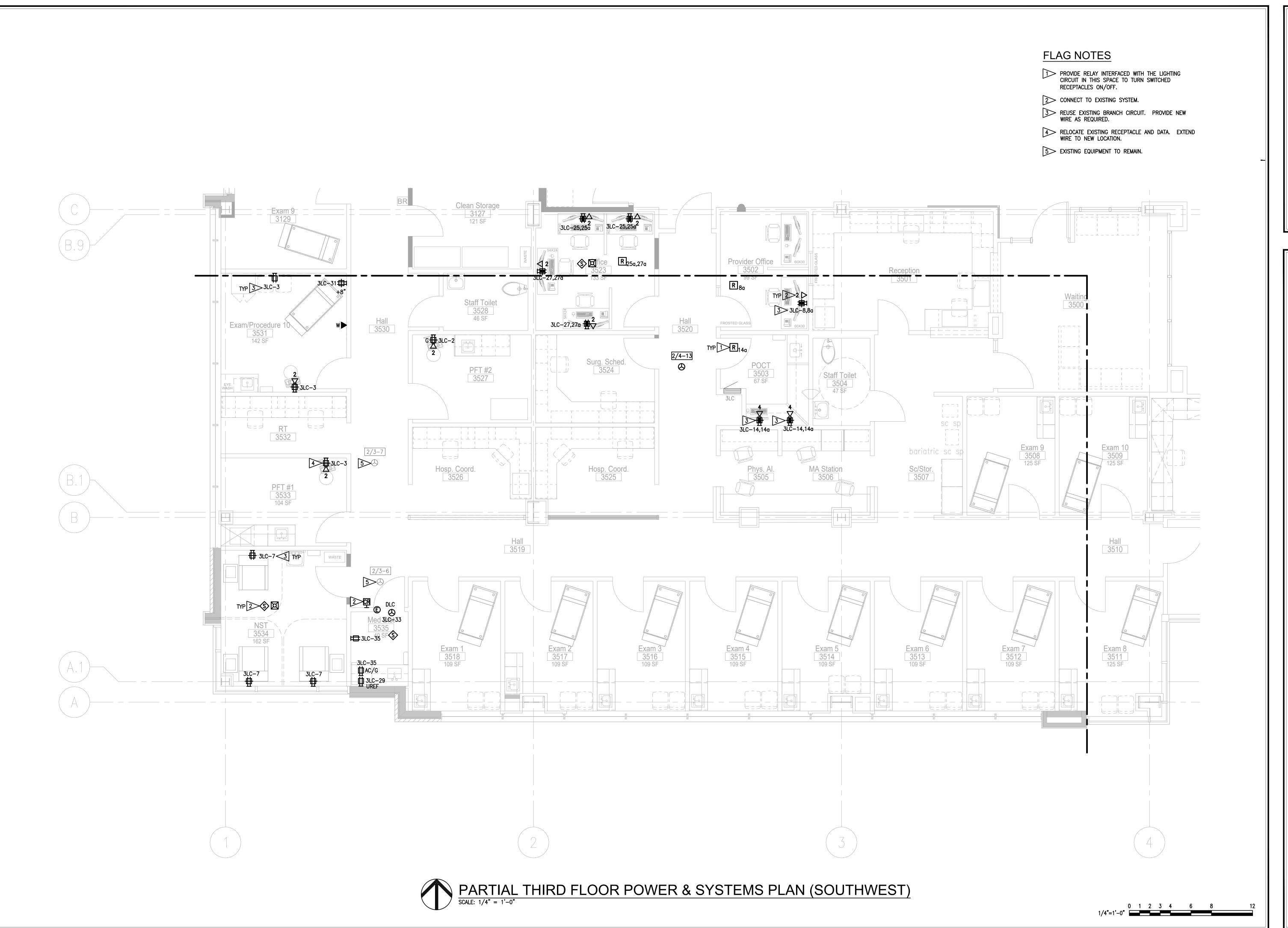
Engineering Public Works MultiCare GSMOB Women's Clinic T.I. Phase 2 1450 5th St SE Puyallup, WA 98372 MARK DATE DESCRIPTION 5/8/2023 PERMIT SUBMITTAL #1 230888 8 MAY 2023 PARTIAL THIRD FLOOR LIGHTING



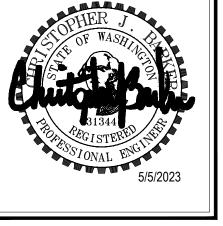
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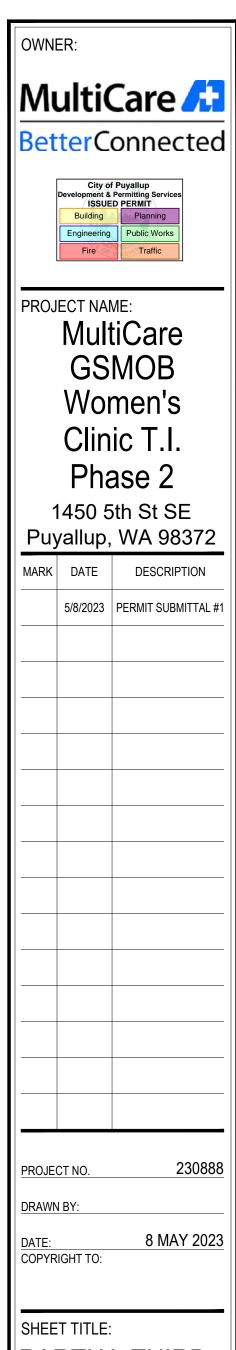












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PARTIAL THIRD

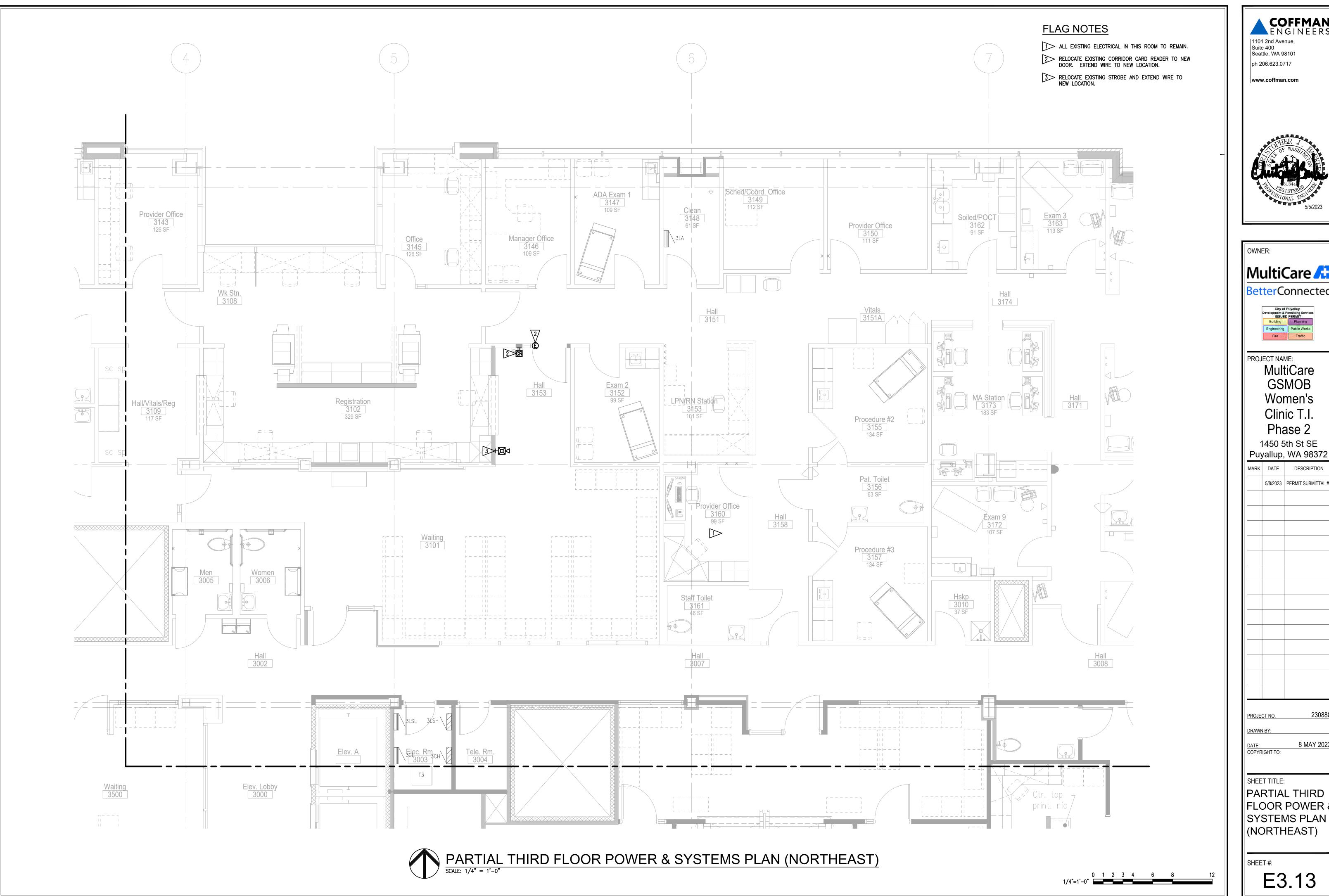
FLOOR POWER &

SYSTEMS PLAN

(SOUTHWEST)

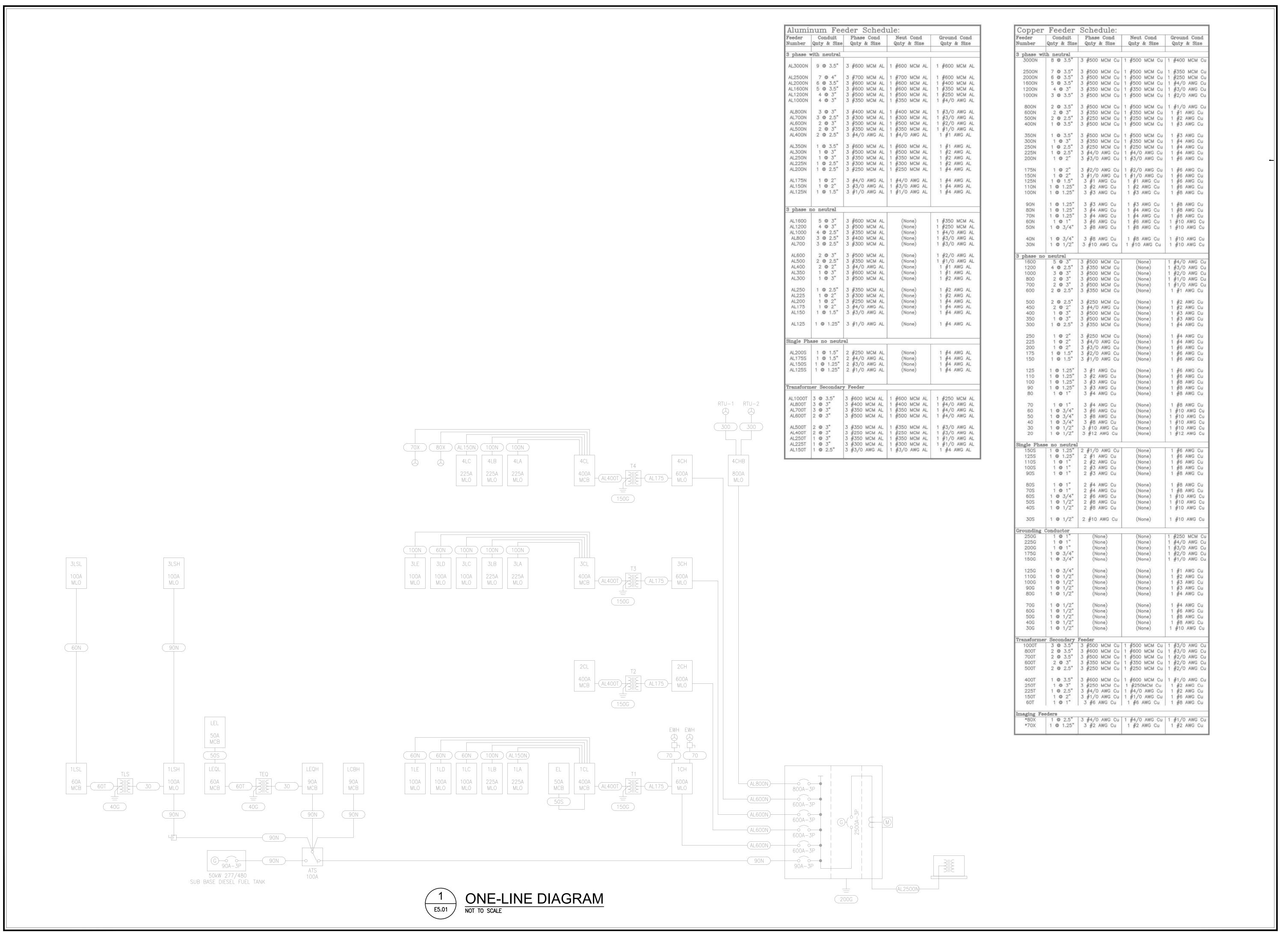
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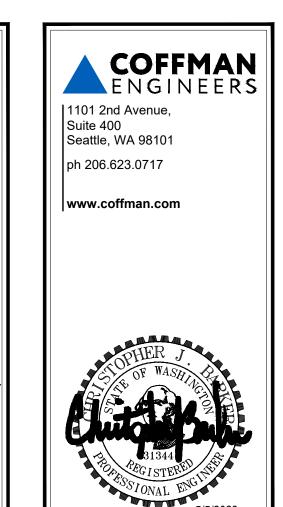
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PROJ	City or Development & Vissue Building Fire Company of the Company	Traffic
MARK	DATE	DESCRIPTION
	5/8/2023	PERMIT SUBMITTAL #1
PROJE	CT NO.	230888
DRAWN DATE: COPYR	I BY:	8 MAY 2023
PAI		L THIRD POWER &





OWNER:

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GSMO	OB Puyallup 3rd PH-2	PAN	EL S	CHED	ULE					EXIS	T. PA	ANEL:	3LB			230888
ocation	n: 3121(R)		Feed T	hrough:					S	ource:	3CI					
Ckt	Load Description			Poles	Votes	Rec	Ltg.	Kit.	Mtr.	Htg.		Cont	Non.	Total	Specifications	
1	RECEPT, LIGHTS	A	20	1	10(03)	0.90	0.07	1110.	WICE.		0.9.	OOIIC.	14011.	0.97	- Specimoutions	
3	RECEPT	B	20	1		1.26	0.07							1.26		225
5	RECEPT	C	20	1		1.26								1.26	Rating (Amps):	208
	RECEPT	A	20	1		1.26								1.26	Voltage (L-L): Phase:	3
9	RECEPT	B	20	1		1.08								1.08	Wire:	4
11	RECEPT	C	20	1		1.08								1.08	Bus Material:	Cu
13	RECEPT	A	20	1		1.08								1.08	Int. Rating:	10,000A
15	RECEPT	В	20	1		1.62								1.62	Inc. Nating.	10,000A
17	RECEPT, LIGHTS	C	20	1		1.26	0.11							1.37	Main Lugs Only:	V
19	RECEPT	A	20	1		1.26	0.11							1.26	Main Ckt Brkr:	Χ
21	RECEPT, LIGHTS	В	20	1		0.90	0.04							0.94	Mulli CKL BIKI.	_
23	RECEPT	C		1		0.90	0.04							0.94	Surface Mtd:	
25 25	RECEPT, LIGHTS		20	1		1.44	0.07								Flush Mtd:	_
25 27	RECEPT, LIGHTS	A	20	1			0.07							1.51	_ riush Mia:	_
		В	20			1.26	0.04							1.30		
29	SPACE ONLY	C	-	-											Bonded Gnd:	_
31	SPACE ONLY	A	-	_											Isolated Gnd:	_
33	SPACE ONLY	В	-	-											200% Neutral:	_
35	SPACE ONLY	C	-	_											Feed Thru:	_
37	SPACE ONLY	A	-	_											Double Lug:	_
39	SPACE ONLY	В	-	-											Top Feed:	X
41	SPACE ONLY	C	_	_											Bottom Feed	_
2	RECEPT	A	20	1		0.90								0.90		
4	RECEPT	В	20	1		1.08								1.08		
6	RECEPT, LIGHTS	С	20	1		1.62	0.04							1.66		
8	COPIER	А	20	1									0.84	0.84	Feed Thru Load:	NONE
10	RECEPT, VCR	В	20	1		0.90							0.12	1.02	Phase A:	
12	RECEPT, LIGHTS	С	20	1		1.26	0.04							1.30	Phase B:	
14	RECEPT, LIGHTS	А	20	1		1.26	0.07							1.33	Phase C:	
16	RECEPT, LIGHTS	В	20	1		1.26	0.04							1.30	Total Conn.:	
18	RECEPT	С	20	1		0.90								0.90	Load From This Panel:	
20	RECEPT	А	20	1		1.26								1.26	Phase A:	10.4
22	LIGHTS	В	20	1			0.30							0.30	Phase B:	9.89
24	SPARE C.B.	C	20	1											Phase C:	8.46
26	SPARE C.B.	A	20	1											Total Conn.:	28.76
28	SPARE C.B.	В	20	1											Total Connected Load:	
30	SPARE C.B.	C	20	1											Phase A:	10.4
32	SPACE ONLY	A	_	_											Phase B:	9.89
34	SPACE ONLY	В	_	_											Phase C:	8.46
36	SPACE ONLY	C	_	_											Total Conn.:	28.76
38	SPACE ONLY	A	_	_											Total Feeder Demand	
40	SPACE ONLY	В	_	_											Total:	20.46 KVA
42	SPACE ONLY	C	-	_											Avg. Amps/Phase:	57 A.
12	CATEGORY	TOTAL	CONN.			FMAND	FACTOR	7	DEMAND		Gener	ral Notes:			7119. 7111907 1 11000.	07 7.0
	3.11233111	LOAD (.,,,,,,,,,		LOAD (OCITO	di Notos.	_			
	Receptacles	27.00			5	50%>10	KVA		18.50	9						
	Lighting	0.80			1	25%			1.00							
	Kitchen Equipment					IEC 22	0.56				Keyec	Notes:				
	Motors (Largest)				1	25%										
	Motors				1	00%										
	Heating					IEC 22										
	Cooling					IEC 22	0.60									
	Continuous Load					25%										
	Non—Continuous Load	0.96				00%			0.96							
						00%										
	TOTAL	00.70			1	00%			00.46							
	TOTAL	28.76							20.46		1					

SSMC	OB Puyallup 3rd PH-2	PAN	EL S	CHE	DULE					EXIS ⁻	T. PAI	NEL:	3LC			2308
ocation	: 3503(R)	[eed T	hrough:					(Source:	3CL					
Ckt	Load Description	Phase	Amp	Poles	Notes	Rec.	Ltg.	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total	Specifications	
1	RECEPT, LIGHTS	А	20	1		1.26	0.07							1.33		
3	RECEPT, LIGHTS	В	20	1		1.44	0.07							1.51	Rating (Amps):	225
5	RECEPT, LIGHTS	С	20	1		1.26	0.04							1.30	Voltage (L-L):	208
7	RECEPT, LIGHTS	А	20	1		1.44	0.01							1.45	Phase:	3
9	RECEPT, LIGHTS	В	20	1		1.08	0.11							1.19	Wire:	4
11	RECEPT	С	20	1		1.08								1.08	Bus Material:	Cu
13	RECEPT	A	20	1		1.26								1.26	Int. Rating:	10,000A
15	RECEPT	В	20	1		1.08								1.08		,
17	RECEPT	C	20	1		1.08								1.08	Main Lugs Only:	Χ
19	RECEPT	A	20	1		1.08								1.08	Main Ckt Brkr:	_
21	RECEPT	В	20	1		1.08								1.08	I Wall OK BIKI.	
23	RECEPT	C	20	1		1.62								1.62	Surface Mtd:	_
25	SPARE C.B.	A	20	1		1.02								1.02	Flush Mtd:	_
	SPARE C.B.														Fiush Mid.	_
27		В	20	1											\perp	
29	SPARE C.B.	C	20	1											Bonded Gnd:	_
31	SPARE C.B.	A	20	1											Isolated Gnd:	_
33	SPARE C.B.	В	20	1											200% Neutral:	_
35	SPARE C.B.	С	20	1											Feed Thru:	_
37	SPACE ONLY	A	-	_											Double Lug:	_
39	SPACE ONLY	В	_	_											Top Feed:	X
41	SPACE ONLY	С	-	_											Bottom Feed	_
2	RECEPT, LIGHTS	A	20	1		1.44	0.04							1.48		
4	RECEPT	В	20	1		1.26								1.26		
6	RECEPT	C	20	1		1.62								1.62		
8	RECEPT, LIGHTS	A	20	1		1.62	0.02							1.64	Feed Thru Load:	N
10	RECEPT, LIGHTS	В	20	1		1.62	0.02							1.64	Phase A:	IN
	COPIER					1.02	0.02						0.04		Phase B:	
12		C	20	1		4.00	0.04						0.84	0.84		
14	RECEPT, LIGHTS	A	20	1		1.26	0.04							1.30	Phase C:	
16	RECEPT, LIGHTS	В	20	1		1.26	0.07							1.33	Total Conn.:	
18	RECEPT	C	20	1		0.90								0.90	Load From This Panel:	
20	RECEPT	A	20	1		1.62								1.62	Phase A:	11
22	RECEPT	В	20	1		1.62								1.62	Phase B:	10
24	PA DOOR	С	20	1									0.90	0.90	Phase C:	(
26	SPACE ONLY	A	-	_											Total Conn.:	3
28	SPACE ONLY	В	-	_											Total Connected Load:	
30	SPACE ONLY	С	-	_											Phase A:	11
32	SPACE ONLY	А	-	_											Phase B:	10
34	SPACE ONLY	В	-	_											Phase C:	Ç
36	SPACE ONLY	С	-	_											Total Conn.:	3
38	SPACE ONLY	A	-	_											Total Feeder Demand	
40	SPACE ONLY	В	_	_											Total:	21.84 KV
42	SPACE ONLY	C	_	_											Avg. Amps/Phase:	61 A.
14	CATEGORY	TOTAL	CONN.	1		DEMAND	FACTO	DR DR	DEMAN		Genera	⊥ I Notes:		1	13. /	J. 71.
	. —	LOAD (LOAD (. 110003	<u>-</u>			
	Receptacles	28.98				50%>10	OKVA		19.49							
	Lighting	0.49				125%			0.61							
	Kitchen Equipment					NEC 22	0.56				Keyed	Notes:				
	Motors (Largest)					125%										
	Motors					100%										
	Heating					NEC 22	0.60									
	Cooling					NEC 22	0.60									
	Continuous Load					125%										
	Non-Continuous Load	1.74				100%			1.74							
						100%										
						100%										
	TOTAL	31.21							21.84							

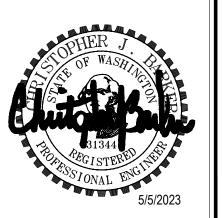
	OB Puyallup 3rd PH-2 3003(S)			CHEI hrough:	JULE					=XIS Source:		NEL: 3	OCL			230
Ckt	Load Description	Phase			Notes	Roc	Ltg.	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total	Specifications	
1	3LA	A	100	3	110162	10.26	1.22	MIC.	IVI CI .	ritig.	Oig.	COIIC.	INOII.	11.48	Specifications	
3	JLA	B	-	_		6.84	0.04						3.44	10.32	Dating (Amana).	400
<u>5</u>	- -	C	_	_		7.74	0.04						2.64	10.32	Rating (Amps):	208
7	3LB	A	100	3		9.36	0.07						0.84	10.41	Voltage (L-L): Phase:	3
9	JLB	B	-	_		9.36	0.41						0.12	9.89	Wire:	4
11	- -	C	_	_		8.28	0.41						0.12	8.46	Bus Material:	Cu
13	3LC	A	100	3		10.98	0.18							11.16	Int. Rating:	10,000
15	JLC	В	-	_			0.18							10.72	inc. Nating.	10,000
17						10.44	0.28						1 74	9.34	Main Lugs Only:	
	71.0	C	-	- 7		7.56							1.74			_
19	3LD	A	60	3		5.22	0.14							5.36	Main Ckt Brkr:	Χ
21	_	В	-	-		3.78	0.12							3.90		
23	_	С	-	_		1.98								1.98	Surface Mtd:	_
25	3LE	A	100	3		5.76	0.14						1.90	7.80	Flush Mtd:	_
27	_	В	-	_		6.48	0.17						1.84	8.49		
29	_	С	-	_		6.84	0.28						1.00	8.12	Bonded Gnd:	-
31	SPACE ONLY	A	_	-											Isolated Gnd:	_
33	SPACE ONLY	В	-	_											200% Neutral:	_
35	SPACE ONLY	С	-	_											Feed Thru:	-
37	SPACE ONLY	A	_	_											Double Lug:	_
39	SPACE ONLY	В	-	_											Top Feed:	_
41	SPACE ONLY	С	_	_											Bottom Feed	Χ
2	RECEPT, MISC	А	20	1		0.90							0.06	0.96		
4	RECEPT	В	20	1		1.62								1.62		
6	PRITNER - MA STATION 3173	C	20	1									0.30	0.30		
8	LTG	A	20	1			0.20						0.00	0.20	Feed Thru Load:	
10	BCU PNL	B	20	1			0.20						0.18	0.18	Phase A:	
12	DLC - DOOR 3171	C	20	1									0.10	0.10	Phase B:	
14	VAV-1/3-1	A	30	2						3.25			0.10	3.25	Phase C:	
16	-	B	_	_						3.25				3.25	Total Conn.:	
18	RECEPT	C	20	1		1 00				3.23				1.08	Load From This Panel:	
20	VAV-1/3-14 & VAV-1/3-15		30	2		1.08				3.50				3.50	Phase A:	5
22	- VAV-1/3-14 & VAV-1/3-13	A														
		В	_							3.50				3.50	Phase B:	5
24	SPACE ONLY	C	-	_											Phase C:	
26	SPACE ONLY	A	-	_											Total Conn.:	14
28	SPACE ONLY	В	-	_											Total Connected Load:	
30	SPACE ONLY	С	_	_											Phase A:	5
32	SPACE ONLY	A	_	-											Phase B:	5
34	SPACE ONLY	В	-	-											Phase C:	
36	SPACE ONLY	С	-	_											Total Conn.:	14
38	SPACE ONLY	А	-	-											Total Feeder Demand	
40	SPACE ONLY	В	-	-											Total:	94.50
42	SPACE ONLY	С	_	_		D.E									Avg. Amps/Phase:	262
	CATEGORY	TOTAL				DEMAN	D FACTO)R	DEMAND		Genero	I Notes:				
	Receptacles	LOAD (- A	010.44		LOAD (F	(VA)						
	Lighting	114.48				50%>1	UKVA		62.24							
	Kitchen Equipment	3.68				125%	20 EC		4.60		1/	Nake				
	Motors (Largest)					NEC 2.	ZU.30				<u>Keyed</u>	inotes:				
	Motors (Largest) Motors					100%										
	motors Heating	13.50				NEC 2.	20.60		1750							
	Cooling	13.50				NEC 2			13.50							
	Continuous Load					125%	ZU.UU									
	Non-Continuous Load	14.16				100%			14.16							
	Non Continuous Loud	14.10				100%			14.10							
						100%										
	TOTAL					. 50/0					1					

SSMC	B Puyallup 3rd PH-2	PANE	EL S	CHEDULE				R	EVIS	ED P	ANEL	: 3LB			230888
	3121(R)	F	eed T	hrough:				Ç	Source:	3CI					
Ckt	Load Description	Phase	Amp	Poles Notes	Rec.	Ltg.	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total	Specifications	
1	RECEPT, LIGHTS	A	20	1	0.90	0.07							0.97	1	
3	RECEPT	В	20	1	1.26								1.26	Rating (Amps):	225
5	RECEPT	C	20	1	1.26								1.26	Voltage (L-L):	208
7	RECEPT	Ā	20	1	1.26								1.26	Phase:	3
9	RECEPT	В	20	1	1.08								1.08	Wire:	4
11	RECEPT	C	20	1	1.08								1.08	Bus Material:	Cu
13	RECEPT	A	20	1	1.08								1.08	Int. Rating:	10,000A
15	RECEPT	В	20	1	1.62								1.62		
17	RECEPT - PROCEDURE 3134	С	20	1	0.72								0.72	Main Lugs Only:	Χ
19	RECEPT - TABLE EXAM 3134	А	20	1								0.30	0.30	Main Ckt Brkr:	_
21	RECEPT, LIGHTS	В	20	1	0.90	0.04							0.94		
23	RECEPT	С	20	1	0.90								0.90	Surface Mtd:	_
25	RECEPT, LIGHTS	А	20	1	1.44	0.07							1.51	Flush Mtd:	_
27	RECEPT, LIGHTS	В	20	1	1.26	0.04							1.30		
29	SPACE ONLY	С	_	_										Bonded Gnd:	_
31	SPACE ONLY	А	-	_										Isolated Gnd:	_
33	SPACE ONLY	В	-	_										200% Neutral:	_
35	SPACE ONLY	С	-	_										Feed Thru:	_
37	SPACE ONLY	А	-	_										Double Lug:	_
39	SPACE ONLY	В	-	_										Top Feed:	X
41	SPACE ONLY	С	-	_										Bottom Feed	_
2	RECEPT - SOILED 3126	A	20	1 1	0.90								0.90		
4	RECEPT - NST 3125	В	20	1	0.00							0.90	0.90		
6	RECEPT, LIGHTS	C	20	1	1.62	0.04						0.00	1.66		
8	COPIER	Ā	20	1	1102	0.01						0.84	0.84	Feed Thru Load:	NONE
10	RECEPT, VCR	В	20	1	0.90							0.12	1.02	Phase A:	110111
12	RECEPT, LIGHTS	C	20	1	1.26	0.04							1.30	Phase B:	
14	RECEPT, LIGHTS	Ā	20	1	1.26	0.07							1.33	Phase C:	
16	RECEPT, LIGHTS	В	20	1	1.26	0.04							1.30	Total Conn.:	
18	RECEPT	C	20	1	0.90								0.90	Load From This Panel:	
20	RECEPT	Ā	20	1	1.26								1.26	Phase A:	9.45
22	LIGHTS	В	20	1		0.30							0.30	Phase B:	9.7
24	RECEPT - CLEAN 3127	C	20	1	0.72								0.72	Phase C:	8.53
26	SPARE C.B.	A	20	1										Total Conn.:	27.69
28	SPARE C.B.	В	20	1										Total Connected Load:	
30	SPARE C.B.	С	20	1										Phase A:	9.45
32	SPACE ONLY	A	_	_										Phase B:	9.7
34	SPACE ONLY	В	-	_										Phase C:	8.53
36	SPACE ONLY	C	_	_										Total Conn.:	27.69
38	SPACE ONLY	А	_	_										Total Feeder Demand	
40	SPACE ONLY	В	-	_										Total:	20.45 KVA
42	SPACE ONLY	С	-	_										Avg. Amps/Phase:	57 A.
	CATEGORY	TOTAL			DEMANE	FACTO)R	DEMAND		Genero	il Notes:				
	D 1 1	LOAD (I	<va)< td=""><td></td><td></td><td></td><td></td><td>LOAD (</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></va)<>					LOAD (
	Receptacles Lighting	24.84			50%>10	JKVA		17.42							
	Kitchen Equipment	0.69			125%	0.50		0.87		IZ a I	NI-A				
	Motors (Largest)				NEC 22 125%	.U.36				<u>keyed</u>	Notes:				
	Motors (Largest) Motors				100%										
	Motors Heating				NEC 22	n 60									
	Cooling				NEC 22										
	Continuous Load				125%										
	Non-Continuous Load	2.16			100%			2.16							
					100%										
					100%					1					

GSMOB Puyallup 3rd PH-2		PANEL SCHEDULE								REVISED PANEL: 3LC						
ocation:	3503(R)		Feed T	hrough	:				S	ource:	: 3CL					
Ckt	Load Description	Phase	Amp	Poles	Notes	Rec.	Ltg.	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total	Specifications	
1	RECEPT - EXAM 10 3531	А	20	1		0.72					1			0.72		
3	RECEPT, LIGHTS	В	20	1		0.90	0.20							1.10	Rating (Amps):	225
5	RECEPT, LIGHTS	C	20	1		1.26	0.04							1.30	Voltage (L-L):	208
7	RECEPT - NST 3534	A	20	1		1120	0.01						0.90	0.90	Phase:	3
9	RECEPT, LIGHTS	В	20	1		1.08	0.11						0.00	1.19	Wire:	4
11	RECEPT	C	20	1		1.08	0.11							1.08	Bus Material:	Cu
13	RECEPT		20	1		1.26								1.26	Int. Rating:	10,000A
15	RECEPT	A		1											int. Nating.	10,000
		В	20	-		1.08								1.08	Main Lugo Only	
17	RECEPT	C	20	1		1.08								1.08	Main Lugs Only:	Χ
19	RECEPT	A	20	1		1.08								1.08	Main Ckt Brkr:	_
21	RECEPT	В	20	1		1.08								1.08		
23	RECEPT	С	20	1		1.62								1.62	Surface Mtd:	_
25	RECEPT - OFFICE 3523	A	20	1									0.60	0.60	Flush Mtd:	_
27	RECEPT - OFFICE 3523	В	20	1									0.60	0.60		
29	UREF - MED DIST 3535	С	20	1									0.67	0.67	Bonded Gnd:	_
31	RECEPT - TABLE EXAM 10 3531	А	20	1									0.30	0.30	Isolated Gnd:	_
33	DOOR LOCK CONTROL	В	20	1									0.10	0.10	200% Neutral:	_
35	RECEPT - MED DIST 3535	С	20	1		0.36								0.36	Feed Thru:	_
37	SPACE ONLY	Ā	-	_											Double Lug:	_
39	SPACE ONLY	В	-	_											Top Feed:	Χ
41	SPACE ONLY	C	-	_											Bottom Feed	_
															Dottom recu	
2	RECEPT, LIGHTS	A	20	1		1.08	0.04							1.12	_	
4	RECEPT	В	20	1		1.26								1.26		
6	RECEPT	С	20	1		1.62								1.62		
8	RECEPT, LIGHTS - OFFICE 3502	Α	20	1									0.60	0.60	Feed Thru Load:	
10	RECEPT, LIGHTS	В	20	1		1.62	0.02							1.64	Phase A:	
12	COPIER	С	20	1									0.84	0.84	Phase B:	
14	RECEPT, LIGHTS - POCT 3503	А	20	1		0.72								0.72	Phase C:	
16	RECEPT, LIGHTS	В	20	1		1.26	0.07							1.33	Total Conn.:	
18	RECEPT	С	20	1		0.90								0.90	Load From This Panel:	
20	RECEPT	A	20	1		1.62								1.62	Phase A:	
22	RECEPT	В	20	1		1.62								1.62	Phase B:	,
24	PA DOOR	C	20	1									0.90	0.90	Phase C:	1
26	SPACE ONLY	A	_										0.50	0.50	Total Conn.:	
28	SPACE ONLY	B	-	_											Total Connected Load:	
			<u> </u>													
30	SPACE ONLY	C	 -	_											Phase A:	
32	SPACE ONLY	A	-	-											Phase B:	
34	SPACE ONLY	В	-	-											Phase C:	1
36	SPACE ONLY	C	-	-											Total Conn.:	
38	SPACE ONLY	A	-	-											Total Feeder Demand	
40	SPACE ONLY	В	-	_											Total:	23.26
42	SPACE ONLY	С	-	-											Avg. Amps/Phase:	65 <i>F</i>
	CATEGORY	TOTAL				DEMAN	D FACTO)R	DEMAND		Genero	l Notes:				
	D	LOAD (LOAD (K	(VA)						
	Receptacles	24.30				50%>1	OKVA		17.15							
	Lighting	0.48				125% 0.60										
	Kitchen Equipment					NEC 2	20.56				Keyed	Notes:				
	Motors (Largest)					125%										
	Motors					100%										
	Heating					NEC 2.										
	Cooling					NEC 2	20.60									
	Continuous Load					125%										
	Non-Continuous Load	5.51							5.51							
					100%											
	TOTAL	70.0				100%			07.00							
	TOTAL	30.29							23.26		1					

SSMC	OB Puyallup 3rd PH-2	PAN	EL S	CHE	DULE				R	EVIS	ED P	ANEL	: 3CL			2308
	: 3003(S)			hrough:						Source:						
Ckt	Load Description				Notes	Rec.	Ltg	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total	Specifications	
1	3LA	А	100	3		10.26	1.2							11.48		
3	_	В	-	_		6.84	0.0	4					3.44	10.32	Rating (Amps):	400
5	_	С	-	-		7.74	0.0	17					2.64	10.45	Voltage (L-L):	208
7	3LB	А	100	3		8.10	0.	21					1.14	9.45	Phase:	3
9	_	В	-	_		8.28	0.	11					1.02	9.71	Wire:	4
11	_	С	-	_		8.46	0.0	17						8.53	Bus Material:	Cu
13	3LC	А	100	3		6.48	0.0	4					2.40	8.92	Int. Rating:	10,000A
15	_	В	-	_		9.90	0.						0.70	11.01		
17		С	-	_		7.92	0.0						2.41	10.37	Main Lugs Only:	_
19	3LD	A	60	3		5.22	0.1							5.36	Main Ckt Brkr:	Χ
21	_	В	-	_		3.78	0.1	2						3.90		
23	71.5	C	-	-		1.98								1.98	Surface Mtd:	_
25	3LE	A	100	3		5.76	0.1						1.90	7.80	Flush Mtd:	_
27	_	В	-	-		6.48	0.1						1.84	8.49	Devided Onde	
29	- CDACE ONLY	C	-	-		6.84	0.2	.8					1.00	8.12	Bonded Gnd:	_
31 33	SPACE ONLY SPACE ONLY	A B	_	_											Isolated Gnd: 200% Neutral:	_
35 35	SPACE ONLY	C	-	_											Feed Thru:	_
<u></u>	SPACE ONLY	A	_	_											Double Lug:	_
39	SPACE ONLY	В	_	_											Top Feed:	_
41	SPACE ONLY	C	_	_											Bottom Feed	Χ
			_			4.00							0.00	4 4 4	Doctorr CCG	
2	RECEPT, MISC	A	20	1		1.08							0.06	1.14		
4	RECEPT PRITNER - MA STATION 3173	В	20	1		1.62							0.70	1.62		
6 8	LTG	C	20	1			0.2	10					0.30	0.30	Feed Thru Load:	NO
10	BCU PNL	В	20	1			0.2	.0					0.18	0.20	Phase A:	INOI
12	DLC - DOOR 3171	C	20	1									0.10	0.10	Phase B:	
14	VAV-1/3-1	A	30	2						3.25			0.10	3.25	Phase C:	
16	-	В	-	_						3.25				3.25	Total Conn.:	
18	RECEPT	C	20	1		1.08				0.20				1.08	Load From This Panel:	
20	VAV-1/3-14 & VAV-1/3-15	Ā	30	2						3.50				3.50	Phase A:	51.
22		В	-	_						3.50				3.50	Phase B:	51.9
24	SPACE ONLY	С	-	_											Phase C:	40.9
26	SPACE ONLY	А	_	_											Total Conn.:	144.0
28	SPACE ONLY	В	-	-											Total Connected Load:	
30	SPACE ONLY	С	-	_											Phase A:	51.
32	SPACE ONLY	А	-	_											Phase B:	51.9
34	SPACE ONLY	В	-	_											Phase C:	40.9
36	SPACE ONLY	С	-	-											Total Conn.:	144.0
38	SPACE ONLY	А	-	-											Total Feeder Demand	
40	SPACE ONLY	В	-	_											Total:	95.98 KVA
42	SPACE ONLY	С	-	_											Avg. Amps/Phase:	266 A.
	CATEGORY	TOTAL				DEMAN) FAC	TOR	DEMAND		Genero	al Notes:	<u>.</u>			
	Receptacles	LOAD (107.82				50%>10			LOAD (1 58.91							
	Lighting	3.55				125%	OKVA		4.44							
	Kitchen Equipment	5.55				NEC 22	20.56		7.77		Keved	Notes:				
	Motors (Largest)					125%										
	Motors					100%										
	Heating	13.50				NEC 22			13.50							
	Cooling					NEC 22	20.60									
	Continuous Load					125%										
	Non-Continuous Load	19.13				100%			19.13							
						100% 100%										
	TOTAL	144.00				100%			95.98		1					





OWNI	OWNER:											
	MultiCare A											
Bet												
City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic												
MultiCare GSMOB Women's Clinic T.I. Phase 2												
		WA 98372										
MARK	DATE	DESCRIPTION										
	5/8/2023	PERMIT SUBMITTAL #1										

DATE: 8 MAY 2023 COPYRIGHT TO:

SHEET TITLE:
PANEL
SCHEDULES

SHEET #:

E6.01