

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

| MultiCare 👫 **Better**Connected

> Engineering Public Works Fire MultiCare

Clinic T.I

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

PROJE	CT NO.	31251
DRAWN	I BY:	K. LANGLOIS

10 APRIL 2023

PROJECT INFO INDEX / SITE





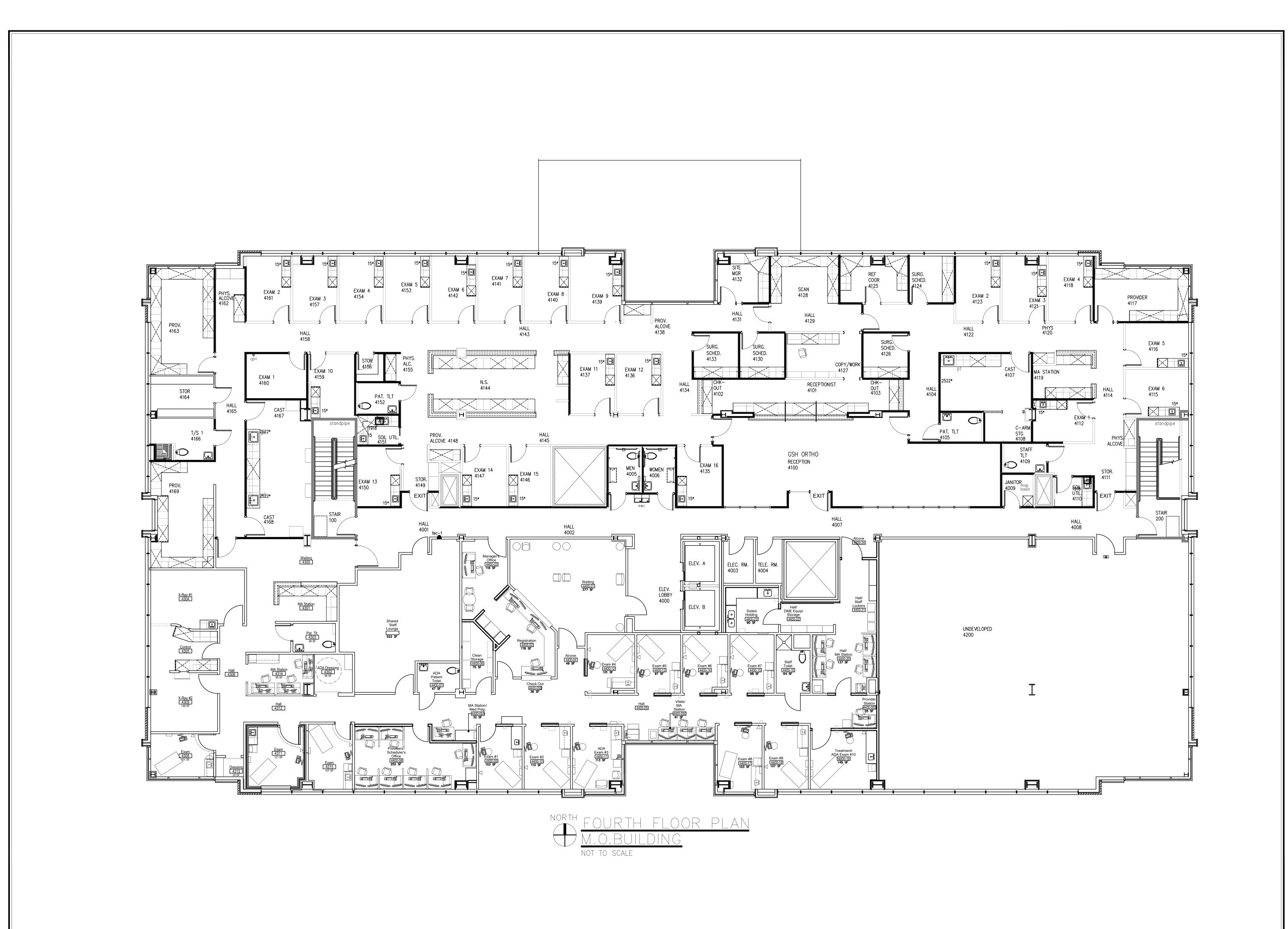
OWN	ER:							
		Care 🙃 onnected						
	Development							
PROJECT NAME: MultiCare GSMOB Suite 4400 Clinic T.I.								
MARK	DATE	WA 98372 DESCRIPTION						
	4/10/2023	PERMIT SUBMITTAL #1						
PROJE	_	31251						

DRAWN BY:

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SHEET TITLE:
4th FLOOR
LIFE SAFETY
PLAN

A0.1





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.					
Pu	yallup,	WA 98372			
MARK	DATE	DESCRIPTION			
	4/10/2023	PERMIT SUBMITTAL #1			
PROJE	CT NO.	31251			
DRAWN	N BY:	K. LANGLOIS			

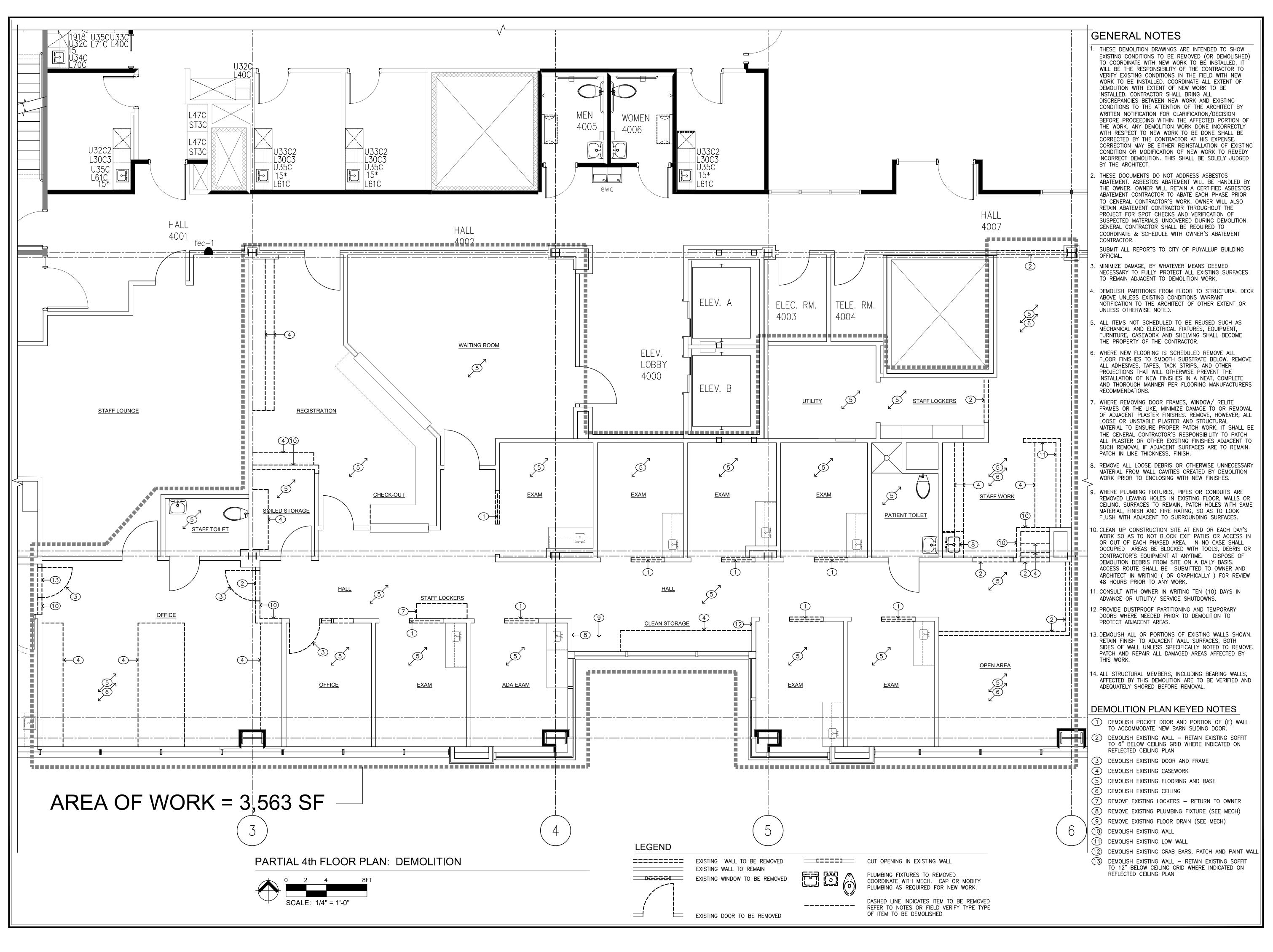
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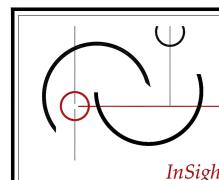
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SHEET TITLE: 4th FLOOR PLAN

SHEET #:

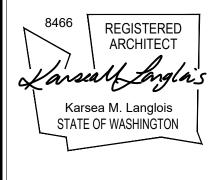
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PROJECT NAME:

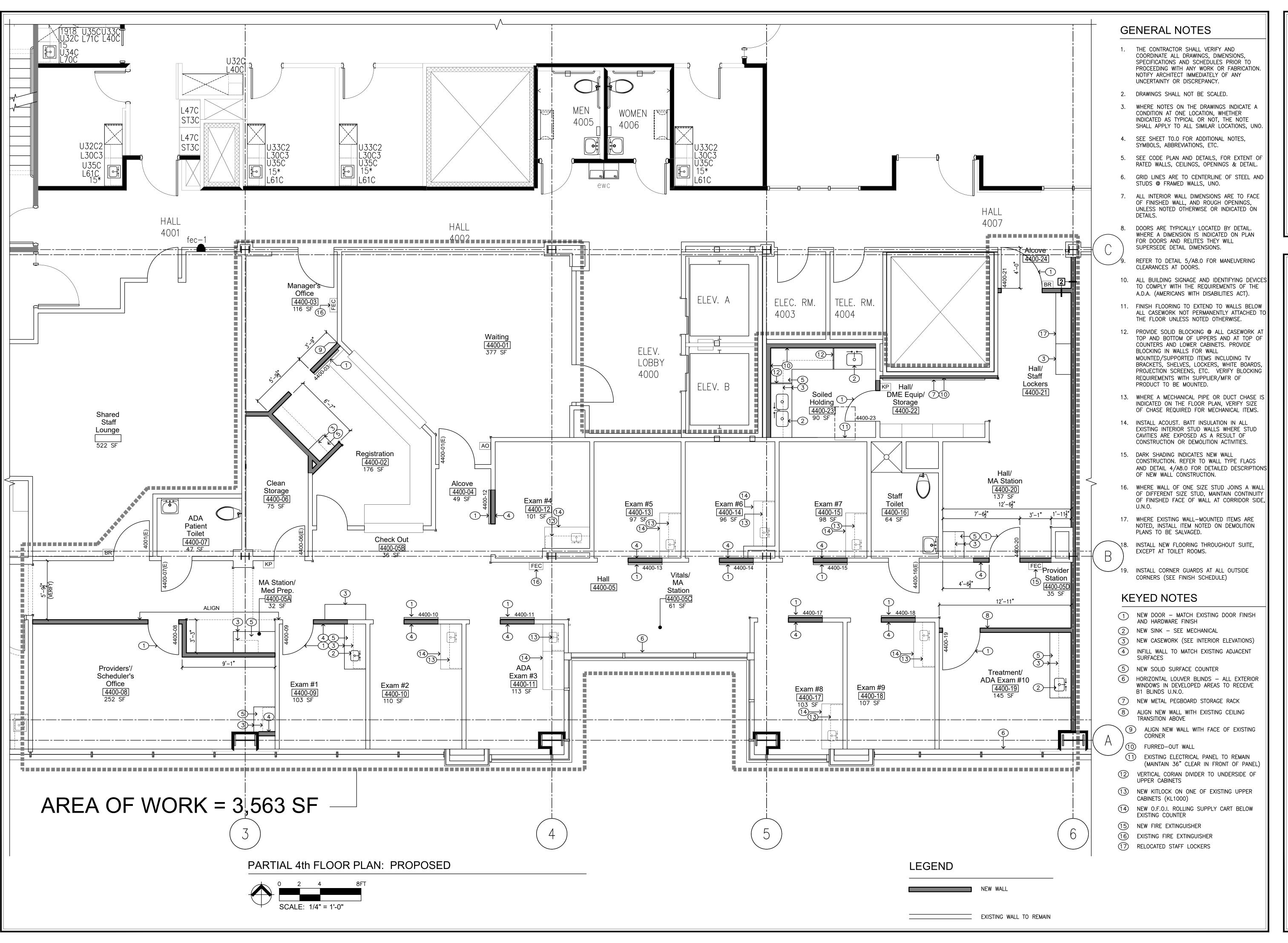
		oth St SE WA 98372				
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PROJE	CT NO.	3125				
DRAWN	N BY:	K. LANGLOI				
DATE:		10 APRIL 202				

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SHEET TITLE: PARTIAL 4th FLOOR PLAN: DEMOLITION

SHEET #:



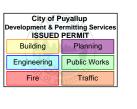
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HealthCare Architecture
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Seattle, WA 98125

206-601-6645



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MultiCare
GSMOB
Suite 4400
Clinic T.I.

1450 5th St SE Puvallup WA 98372

Pu	yallup,	WA	98372
MARK	DATE	DESC	CRIPTION
	4/10/2023	PERMIT	SUBMITTAL
PROJE	CT NO.		3125
	N BY:		LANGLOI
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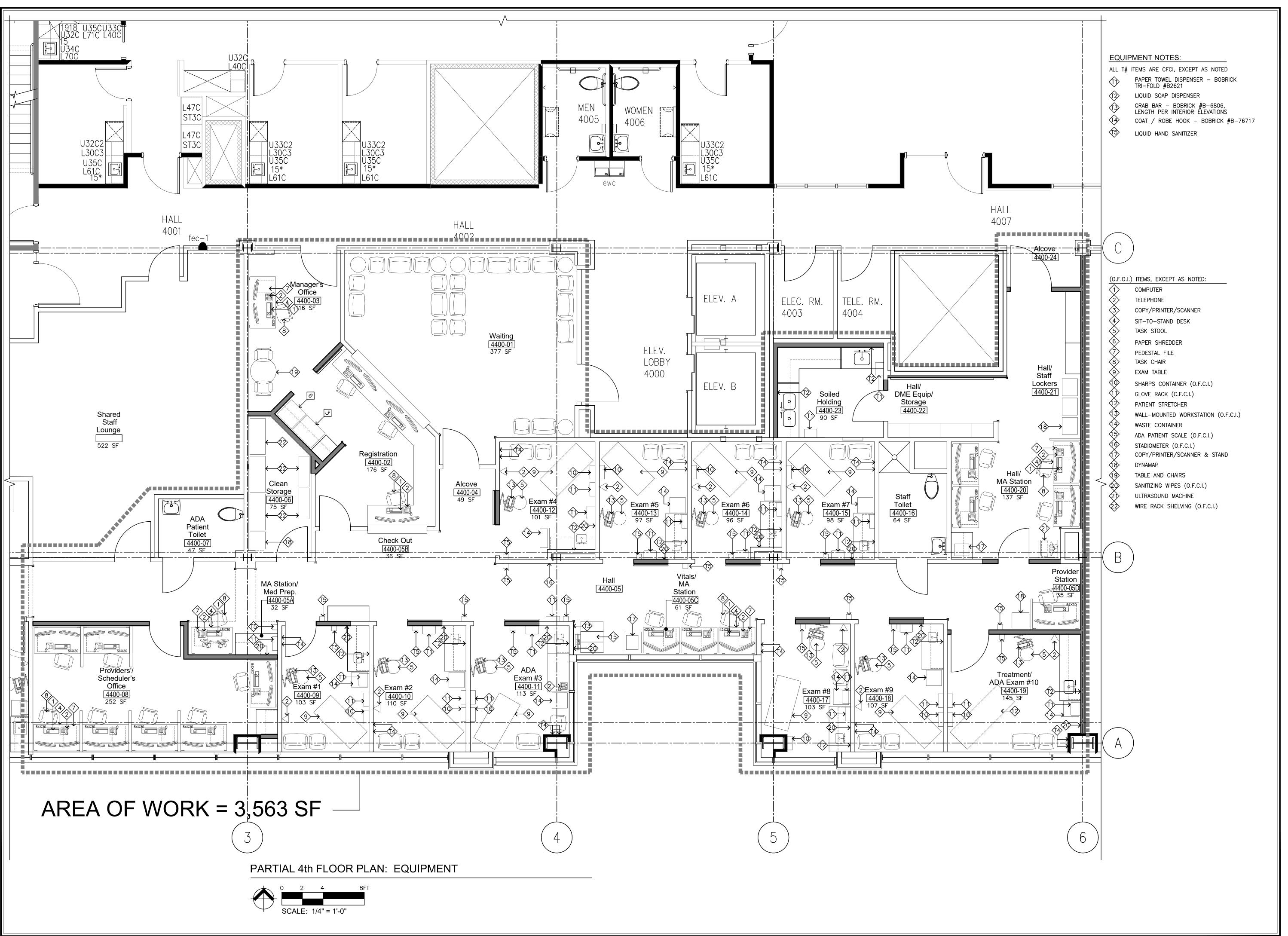
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SHEET TITLE:

PARTIAL 4th FLOOR PLAN: PROPOSED

SHEET #:

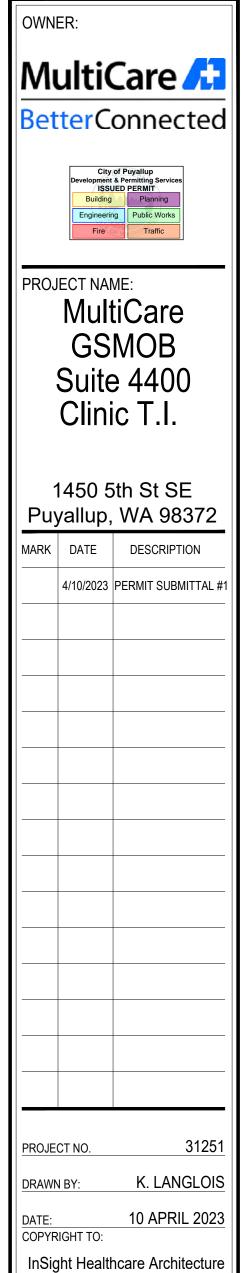
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Larsial Langla's

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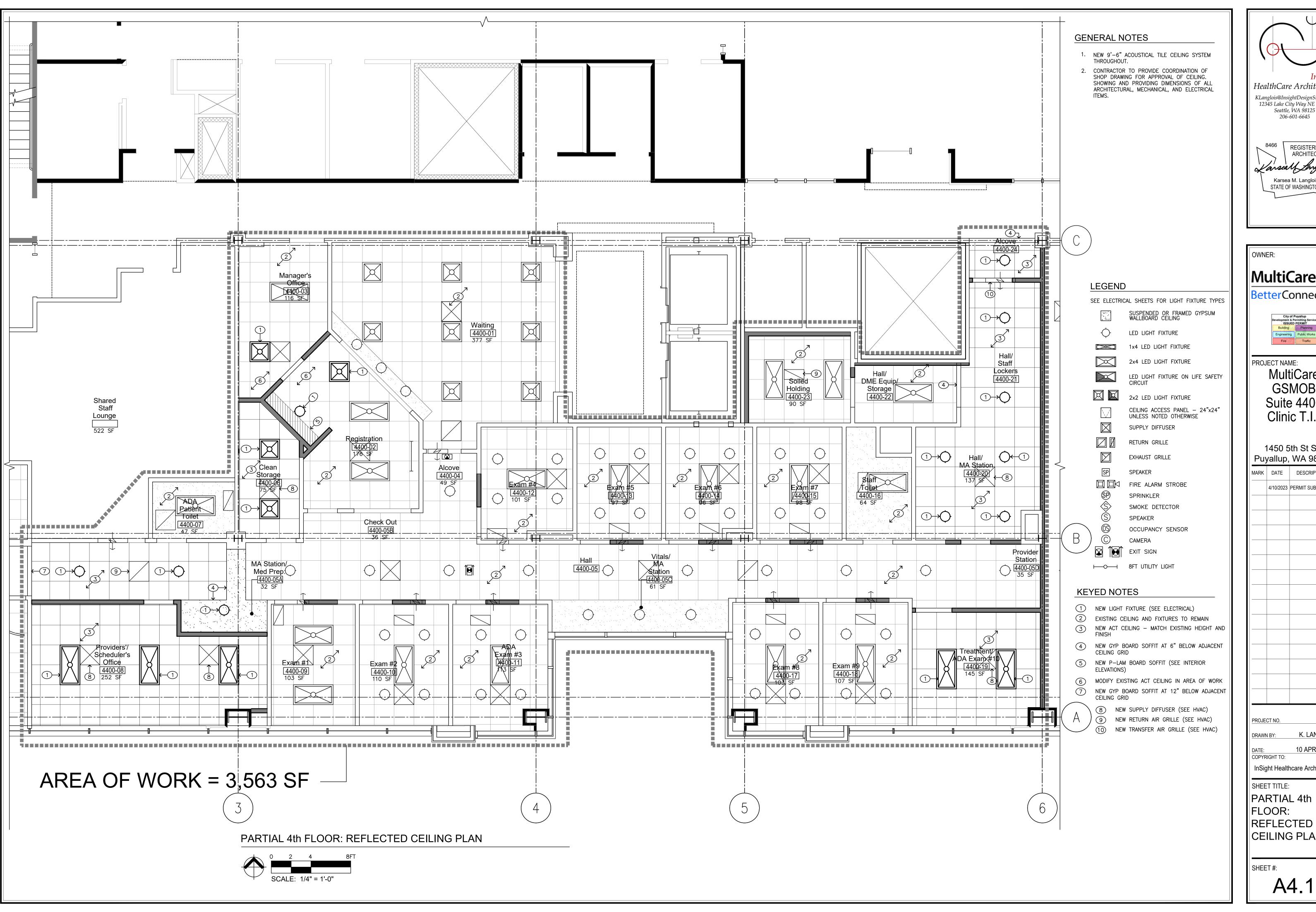
SHEET #:

PARTIAL 4th

EQUIPMENT

FLOOR PLAN:

A3.1



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GSMOB Suite 4400

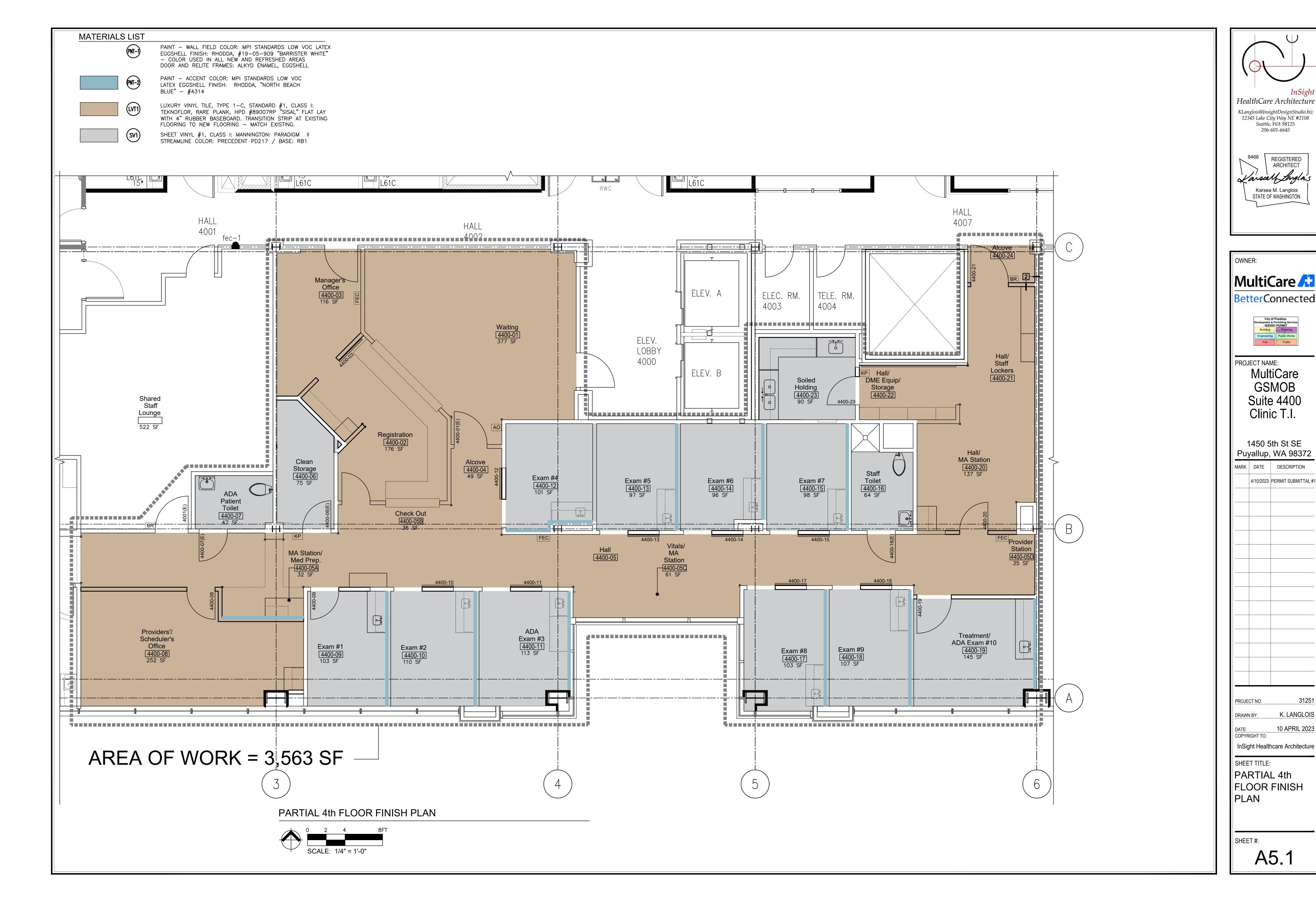
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MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL #
PR∩.IF	CT NO.	31251

K. LANGLOIS

10 APRIL 2023 InSight Healthcare Architecture

CEILING PLAN



	FINISH SCHEDULE																									
		F	LOORING		BA	ASE	N	IORTH WA	LL		EAST WAL	L	(SOUTH WA	LL		WEST WAL	_L		CEILING			WAIN	ISCOT		
ROOM #	ROOM NAME	MATL	FIN	CLR	FIN	CLR	MATL	FIN	CLR	MATL	FIN	CLR	MATL	FIN	CLR	MATL	FIN	CLR	MAT		HEIGHT	_	MATL.	HEIGHT	WALL	ROOM #
4400-01	WAITING	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6"	(1)	_	_	_	4400-01
4400-02	REGISTRATION	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	GWB	PT	PNT-1			9'-6"	12	_	_	_	4400-02
4400-03	MANAGER'S OFFICE	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6"	12	_	_	_	4400-03
4400-04	ALCOVE	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6"		_	_	_	4400-04
4400-05	HALL MA STATION / MEDICATION PREPARATION	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6"		_	_	_	4400-05
4400-05A	MA STATION / MEDICATION PREPARATION	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-2	(E)GWE		PNT-1			9'-6"		_	_	_	4400-05A
4400-05B	CHECK OUT	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6"		_	_	_	4400-05B
4400-05C	VITALS / MA STATION	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT PT	PNT-1	(E)GWE		PNT-1			9'-6"			40"	-	4400-05C
4400-05D	PROVIDER STATION	(E)CONC	LVT	LVT1	RB	RB1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB		PNT-1	(E)GWE		PNT-1			9'-6"		SWC1	40"	VV	4400-05D
4400-06	CLEAN STORAGE	(E)CONC	SV	SV1	RB	RB1	GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6" 9'-6"	12	_	_	_	4400-06
4400-07	ADA PATIENT TOILET	(E)CONC	SV	SV1	ICB	SV1	(E)GWB	PT PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT PT	PNT-1	(E)GWE		PNT-1			9'-6"		_	_	_	4400-07
4400-08	PROVIDERS' / SCHEDULER'S OFFICE	(E)CONC		LVT1	RB	RB1	GWB		PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWE					9'-6"	12	- CWC1	40"	N.W.C	4400-08
4400-09	EXAM #1	(E)CONC	SV	SV1	RB	RB1	(E)GWB	PT	PNT-1	GWB	PT	PNT-2	(E)GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6"		SWC1	40"	N,W,S	4400-09
4400-10	EXAM #2	(E)CONC	SV	SV1	RB	RB1	(E)GWB	PT	PNT-1	GWB	PT	PNT-2	(E)GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6"		SWC1		N,W,S	4400-10
4400-11	ADA EXAM #3 EXAM #4	(E)CONC	SV	SV1	RB	RB1	(E)GWB	PT PT	PNT-1	GWB	PT PT	PNT-2 PNT-1	(E)GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6"	(1)	SWC1	40" 40"	N,W,S	4400-11 4400-12
4400-12 4400-13	EXAM #4 EXAM #5	(E)CONC		SV1	RB RB	RB1 RB1	(E)GWB (E)GWB	PT	PNT-1	GWB GWB	PT	PNT-1	(E)GWB	PT	PNT-1			PNT-1			9'-6"	1	SWC1	40"	E,W,S	4400-12
	EXAM #5	(E)CONC	SV	SV1			* *	PT	PNT-1	GWB	PT	PNT-2	(E)GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6"		SWC1	40"	N,W,S	4400-13
4400-14 4400-15	EXAM #6 EXAM #7	(E)CONC	SV	SV1	RB	RB1	(E)GWB (E)GWB	PT PT	PNT-1	GWB	PT	PNT-2	· ' '	PT	PNT-1	(E)GWE		PNT-1			9'-6"		SWC1	40"	N,W,S	
	STAFF TOILET	(E)CONC	SV	SV1	RB ICB	RB1 RB1		PT	PNT-1	GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWE		PNT-1			9'-6"		SWC1	40"	N,W,S	4400-15 4400-16
4400-16 4400-17	EXAM #8	(E)CONC	SV SV	SV1 SV1	RB	RB1	(E)GWB (E)GWB	PT	PNT-1	GWB	PT	PNT-1	(E)GWB	PT	PNT-1	```		PNT-1			9'-6"	1	SWC1	40"	N,W,S N,W,S	4400-16
4400-17	EXAM #9		+			RB1		PT	PNT-1	GWB	PT	PNT-2	+ ' '	PT	PNT-1	· ' '		PNT-1	· ' '		9'-6"	1	SWC1	40"	N,W,S	4400-17
4400-18	TREATMENT / ADA EXAM #10	(E)CONC		SV1	RB ICB	SV1	(E)GWB	PT	PNT-1	GWB	PT	PNT-2	(E)GWB (E)GWB	PT	PNT-1	(E)GWE		PNT-1	, ,		9'-6"	12	SWC1	40"	N,W,S	4400-18
4400-19	HALL / MA STATION	(E)CONC		LVT1	RB	RB1	(E)GWB	PT	PNT-1	GWB	PT	PNT-1	GWB	PT	PNT-1			PNT-1			9'-6"	12		40	11,77,3	4400-19
4400-20	HALL / STAFF LOCKERS	(E)CONC	+	LVT1	RB	RB1	GWB	PT	PNT-1	GWB	PT	PNT-1	GWB		FINI — I	(E)GWE		PNT-1			9'-6"	12		_	_	4400-20
4400-21	HALL / DME EQUIPMENT / STORAGE	(E)CONC		LVT1	RB	RB1	GWB	PT	PNT-1		_	_	(E)GWB	PT	PNT-1			PNT-1			9'-6"			_	_	4400-21
4400-23	SOILED HOLDING	(E)CONC	+	SV1	ICB	SV1	GWB	PT	PNT-1	GWB	PT	PNT-1	(E)GWB	PT	PNT-1			PNT-1			9'-6"	12	_	_	_	4400-23
4400-24	ALCOVE	(E)CONC	+	LVT1	RB	RB1		_	_	GWB	PT	PNT-1	GWB	PT	PNT-1			PNT-1			9'-6"		_	_	_	4400-24
7700 27	ALCOVE	(2)00110	LVI	LVII	IND	IND I				OWB	1 1	1 1111	OWB	1 1	1 141 1	(L)OWL	7 11	1 111	701		3 0					++00 Z+

MATERIALS LIST

ACOUSTICAL CEILING TILE - MATCH EXISTING, 24"x24"x3/4"

CORNER GUARD: CONSTRUCTION SPECIALTIES, 40" ABOVE FINISHED FLOOR (A.F.F.) X 2" CORNER GUARD, 90 DEGREES, TO MATCH WALL CONDITION, COLOR ANTIQUE WHITE.

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

PAINT - ACCENT COLOR: MPI STANDARDS LOW VOC LATEX EGGSHELL FINISH: RHODDA, "NORTH BEACH BLUE" – #4314

SYNTHETIC WALL COVERING #1: CONSTRUCTION SPECIALTIES TO 40" ABOVE FINISHED FLOOR (A.F.F.) WITH COLOR MATCHED CAULK, IN LIEU OF MATCHING

TRIM. COLOR - ANTIQUE WHITE PLASTIC LAMINATE #1 - BUILT-IN CASEWORK FACES (CABINETS/DRAWERS) LAMINATE: FORMICA "PECAN WOODLINE" #5883-58

SOLID SURFACE #1: CORIAN: "SAVANNAH" - USED IN EXAM ROOMS

> SOLID SURFACE #2: CORIAN: "BISQUE" - USED IN MA STATIONS SOLID SURFACE #3: CORIAN: "BISQUE" - ALL INTEGRAL SINKS

LUXURY VINYL TILE, TYPE 1-C, STANDARD #1, CLASS I: TEKNOFLOR, RARE PLANK, HPD #89007RP "SISAL" FLAT LAY WITH 4" RUBBER BASEBOARD. TRANSITION STRIP AT EXISTING FLOORING TO NEW FLOORING - MATCH EXISTING.

SHEET VINYL #1, CLASS I: MANNINGTON: PARADIGM II STREAMLINE COLOR: PRECEDENT PD217 / BASE: RB1

4" RUBBER BASE: ROPPE 700 SERIES - COLOR #193 "BLACK BROWN" TO SELECT FROM - USED IN ÄLL AREAS WITH FLAT LAY FLOORING

DOORS MATCH TO EXISTING

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

- 1. AN ASTERISK (*) IN THE FINISH SCHEDULE REFERENCES CODED NOTES IN THE REMARKS
- 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.

EXTENT AND LOCATION OF ACCENT PAINT COLORS.

- 7. SEE INTERIOR ELEVATIONS, REFLECTED CEILING PLAN, AND INTERIOR DESIGN MATERIALS PLAN FOR
- 8. FLOORING INSTALLATION TO COORDINATE WITH CASEWORK INSTALLATION.

CODED NOTES

1 NEW FLOORING 2 NEW CEILING

ABBREVIATIONS

ADJ ADJUSTABLE ACOUSTIC TREATMENT ACCORDION DOOR ACT ACOUSTICAL CEILING TILE ADA AMERICANS WITH DISABILITIES ΑV AUDIO/VISUAL ACOUSTICAL WALLCOVERING AWC AWP ACOUSTICAL WALL PANEL BD BOARD BRK BRICK BROOM LIGHT BROOM FINISH (CONCRETE) CAB CABINET
CG CORNER
CLR COLOR CORNER GUARD CK CORK CMU CONCRETE MASONRY UNIT CONC CONCRETE CARPET CERAMIC TILE CT CONCRETE, SEALED COVED SHEET VINYL DRINKING FOUNTAIN (E) EP EXISTING EPOXY PAINT EX-S EXPOSED STRUCTURE FF FACTORY FINISH FIN FINISH FLR FLOOR FIBERGLASS REINFORCED PLASTIC GLAZED MASONRY UNIT GYPSUM WALL BOARD GWB GYPSUM WALLBOARD MATL MATERIAL MDF MEDIUM DENSITY FIBERBOARD MTL METAL MTL-S METAL SIDING MASN MASONRY NOT IN CONTRACT NOT TO SCALE ON CENTER OP OPERABLE PARTITION PLAM PLASTIC LAMINATE PLASTIC LAMINATE PLA PLASTER

> PT "' PTD PWD PAPER TOWEL DISPENSER PLYWOOD RB RUBBER BASE RUBBER FLOORING ROLL-UP CURTAIN LIQUID SOAP DISPENSER

PR(#) PROJECTION SCREEN (LENGTH)

PANEL

PNL

SEM SURFACE-MOUNTED ENTRY MAT STOREFRONT SV SHEET VINYL TB(#) TACK BOARD (LENGTH) TO BE SELECTED TONGUE & GROOVE CEDAR,

STAINED TOILET PARTITION

TYP TYPICAL UNO UNLESS NOTED OTHERWISE UPT UNGLAZED PORCELAIN TILE

VOLUME VCT VINYL COMPOSITION TILE VENEER PLASTER VWC VINYL WALLCOVERING

WRGWB WATER-RESISTANT GYP BD

WB(#) WHITE BOARD (LENGTH) WD WOOD WOM WALK OFF MAT

SHEET TITLE: FINISH SCHEDULE

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10 APRIL 2023

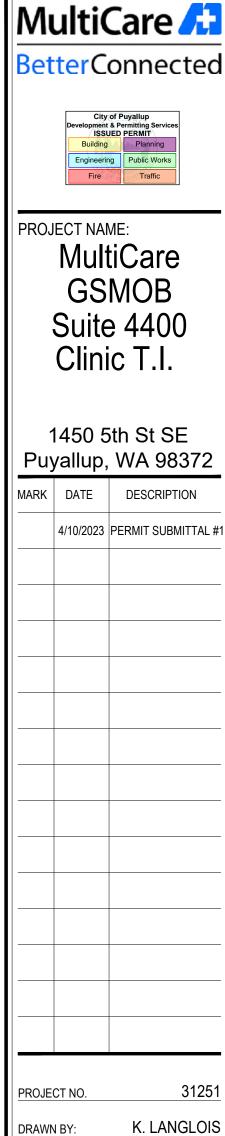
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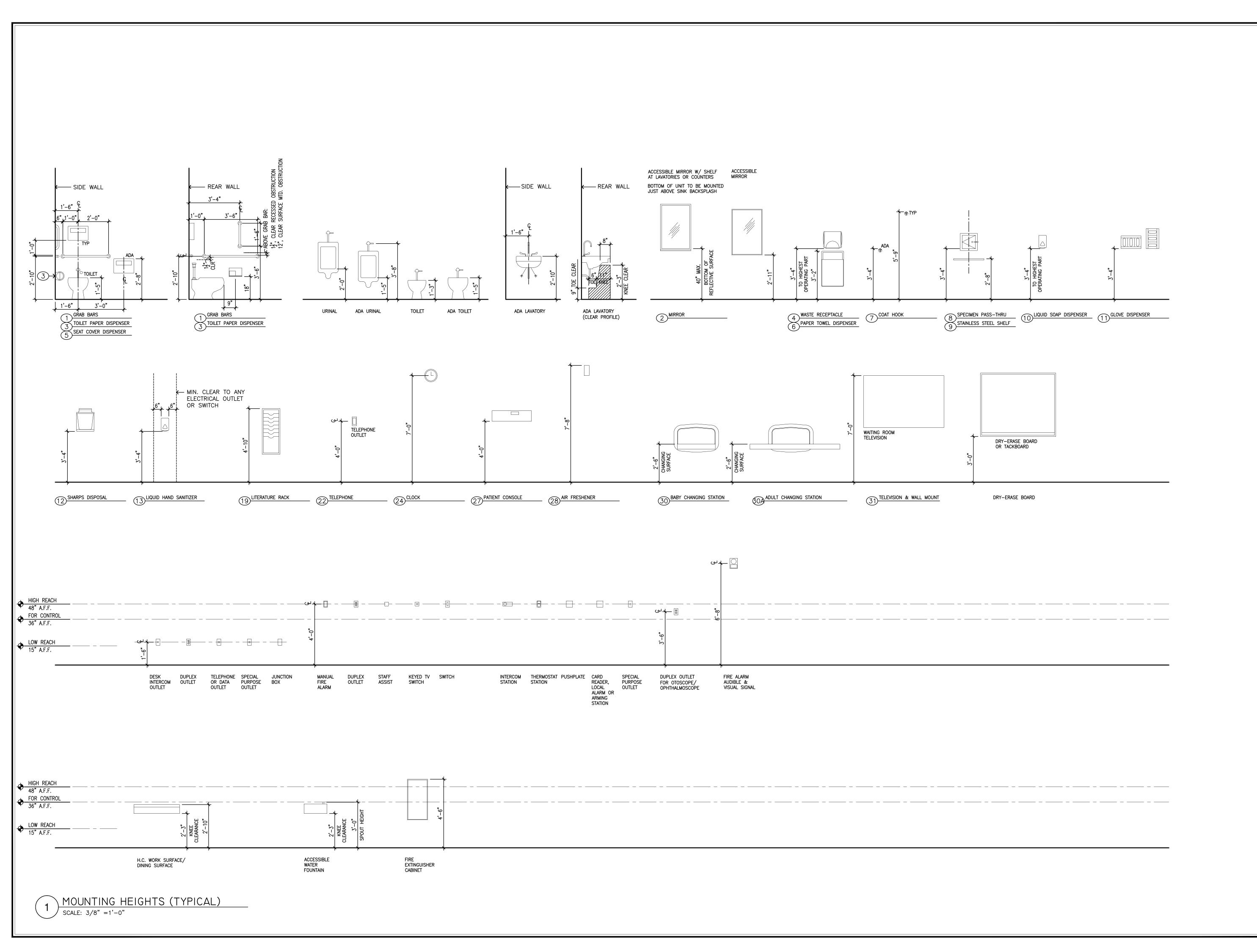
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OWN	ER:					
		Care Atonnected				
	City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic					
MultiCare GSMOB Suite 4400 Clinic T.I.						
Puy	yallup,	WA 98372				
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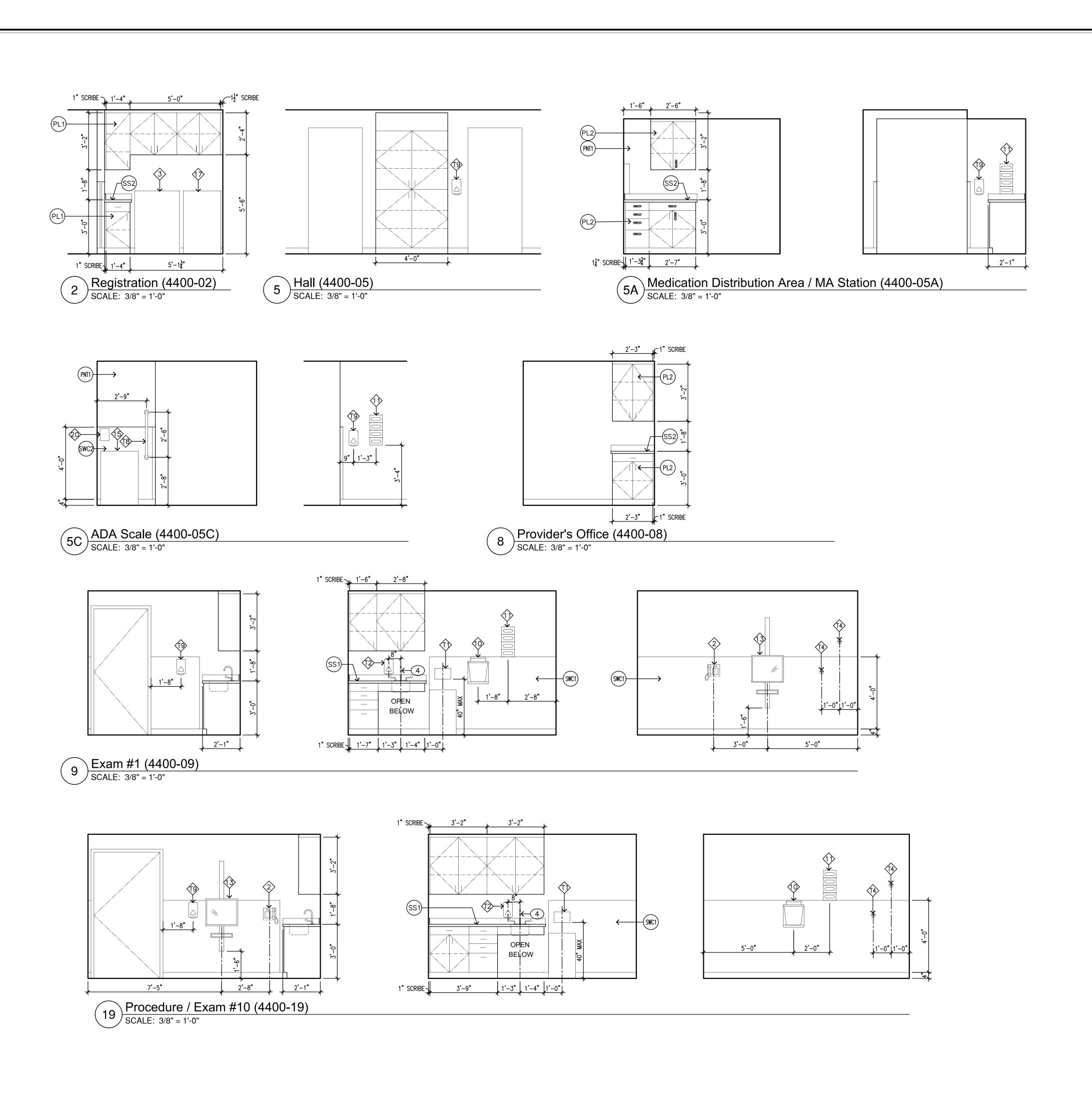
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SHEET TITLE:

TYPICAL MOUNTING HEIGHTS

SHEET #:

A6.0



EQUIPMENT NOTES:

ALL T# ITEMS ARE CFCI, EXCEPT AS NOTED

PAPER TOWEL DISPENSER - BOBRICK TRI-FOLD #B2621

LIQUID SOAP DISPENSER

GRAB BAR — BOBRICK #B—6806, LENGTH PER INTERIOR ELEVATIONS

COAT / ROBE HOOK - BOBRICK #B-76717

15 LIQUID HAND SANITIZER

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

COPY/PRINTER/SCANNER

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

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

COPY/PRINTER/SCANNER & STAND

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

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

PATIENT STRETCHER

WASTE CONTAINER

TABLE AND CHAIRS

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

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

ULTRASOUND MACHINE

DYNAMAP

STADIOMETER (O.F.C.I.)

SIT-TO-STAND DESK

PAPER SHREDDER

PEDESTAL FILE

TASK CHAIR

EXAM TABLE

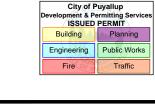
COMPUTER

TELEPHONE

TASK STOOL



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MultiCare
GSMOB
Suite 4400
Clinic T.I.

1450 5th St SE Puyallup, WA 98372

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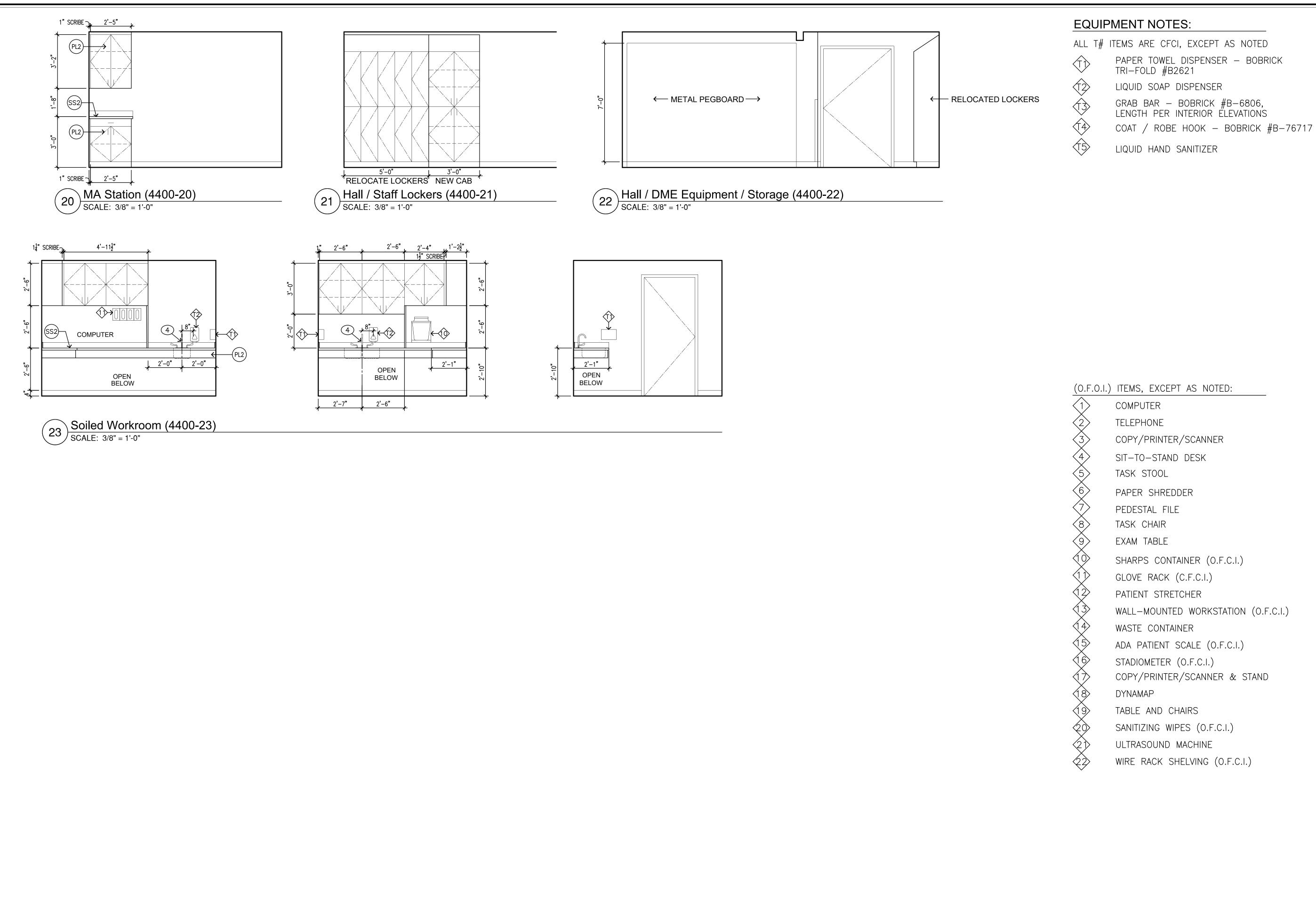
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SHEET TITLE:

INTERIOR ELEVATIONS

SHEET #:

A6.1





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City of Pincellup

PROJECT NAME: MultiCare **GSMOB** Suite 4400 Clinic T.I.

1450 5th St SE

Pu	yallup,	WA 98372	<u> </u>
MARK	DATE	DESCRIPTION	
	4/10/2023	PERMIT SUBMITTAL	#1
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PROJE	CT NO.	3125	51
DRAWI	N BY:	K. LANGLOI	S

INTERIOR ELEVATIONS

DATE: COPYRIGHT TO:

SHEET TITLE:

10 APRIL 2023

InSight Healthcare Architecture

SHEET #: A6.2

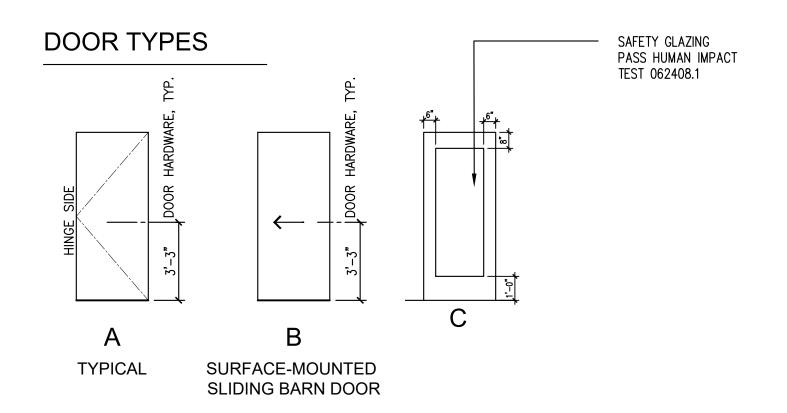
DOOR SCHEDULE

		DOOR						FRAME	<u>-</u>		DETAIL		GL	AZING	FIRE RATING	LEAD SHIELDING				НА	RDWA	ARE SC	HEDU	LE				NOTE
NUMBER	CLASS	SIZE	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	ЛАМВ	THRESHOLD	TYPE	RATING	KATING	SHIELDING	HINGES	ГОСК	CYLINDER	CLOSER	WALL STOP	OVERHEAD STOP	DOOR SILENCERS	PANIC	KICKPLATE	MAGNETIC HOLD-OPEN	FINISH	
00-01(E)	EXIST	3'-0" X 7'-0"	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	1, 2
400-03	NEW	3'-0" X 7'-0"	1 3 "	В	WD	WS	_	_	_	ВМ	ВМ	_	N/A	N/A	NR	N	_	Υ	Υ	N	N	N	N	N	N	N	DC	
00-06(E)	EXIST	3'-0" X 7'-0"	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Υ	_	-	_	_	_	_	_	3
00-07(E)	EXIST	3'-0" X 7'-0"	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	-	_	Υ	-	_	_	_	_	_	_	
400-08	NEW	3'-0" X 7'-0"	1 3 "	Α	WD	WS	F-1	НМ	MP	2/A7.0	1/A7.0	_	N/A	N/A	NR	N	3	N	Ν	N	Υ	N	Υ	N	N	N	DC	
400-09	NEW	3'-0" X 7'-0"	1 3 "	Α	WD	WS	F-1	НМ	MP	2/A7.0	1/A7.0	_	N/A	N/A	NR	N	3	N	Ν	N	Υ	N	Υ	N	N	N	DC	
400-10	NEW	3'-0" X 7'-0"	1 3 "	В	WD	WS	_	_	_	ВМ	ВМ	_	N/A	N/A	NR	N	_	N	Ν	N	N	N	N	N	N	N	DC	
1400-11	NEW	3'-0" X 7'-0"	1 3 "	В	WD	WS	_	_	_	ВМ	ВМ	_	N/A	N/A	NR	N	_	N	Z	N	N	N	N	N	N	N	DC	
400-12	NEW	3'-0" X 7'-0"	1 3 "	В	WD	WS	_	_	_	ВМ	ВМ	_	N/A	N/A	NR	N	_	N	Z	N	N	N	N	N	N	N	DC	
400-13	NEW	3'-0" X 7'-0"	1 3 "	В	WD	WS	_	_	_	ВМ	ВМ	_	N/A	N/A	NR	N	_	N	Z	N	N	N	N	N	N	N	DC	
-400-14	NEW	3'-0" X 7'-0"	1 3 "	В	WD	WS	_	_	_	ВМ	ВМ	_	N/A	N/A	NR	N	_	N	N	N	Ν	N	N	N	N	N	DC	
400-15	NEW	3'-0" X 7'-0"	1 3 "	В	WD	WS	_	_	_	ВМ	ВМ	_	N/A	N/A	NR	N	_	N	Z	N	N	N	N	N	N	N	DC	
00-16(E)	EXIST	3'-0" X 7'-0"	-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-	Υ	_	_	_	_	_	_	_	
400-17	NEW	3'-0" X 7'-0"	1 3 "	В	WD	WS	_	_	_	ВМ	ВМ	_	N/A	N/A	NR	N	_	N	Z	N	N	N	N	N	N	N	DC	
400-18	NEW	3'-0" X 7'-0"	1 3 "	В	WD	WS	_	_	_	ВМ	ВМ	_	N/A	N/A	NR	N	_	N	N	N	N	N	N	N	N	N	DC	
-400-19	NEW	3'-8" X 7'-0"	13"	Α	WD	WS	F-1	НМ	MP	2/A7.0	1/A7.0	_	N/A	N/A	NR	N	3	N	N	N	Υ	N	Υ	N	N	N	DC	
400-20	NEW	3'-0" X 7'-0"	1 3 "	С	WD	WS	F-1	НМ	MP	2/A7.0	1/A7.0	_	СТ	NR	NR	N	3	N	N	N	Υ	N	Υ	N	N	N	DC	4
1400-21	NEW	3'-0" X 7'-0"	137	Α	WD	WS	F-1	НМ	MP	2/A7.0	1/A7.0	_	N/A	N/A	NR	N	3	Y	Υ	Υ	Υ	N	Υ	Υ	N	N	DC	5
400-23	EXIST	3'-0" X 7'-0"	1 3 "	Α	WD	WS	F-1	НМ	MP	2/A7.0	1/A7.0	-	N/A	N/A	NR	N	3	Y	Υ	Υ	N	Y	Υ	N	N	N	DC	3
4001(E)	EXIST	3'-6" X 7'-0"	_	_	_	_	_	_	_	_	_	_	_		_	_	_	_		Υ	-	_	_	_	_	_	_	4, 5
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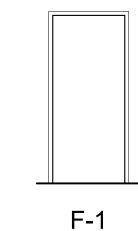
. EXISTING BADGE READER TO RE	MAIN

- 2. NEW AUTOMATIC DOOR OPERATOR
- NEW CIPHER LOCK TRILOGY T2 LOCKSET (SL2700IC STANDARD)
 INSTALL SIGN "DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS"
- 5. NEW BADGE READER AND ELECTRIC STRIKE

GENERAL:	(E)	EXISTING			
	Ň	NO	GLAZING:	CW	CLEAR WIRE
	N/A	NOT APPLICABLE		CT	CLEAR TEMPERED
	Ý	YES		TT	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
					MATCH ADJACENT WALL.
	ВМ	BY MANUFACTURER		WD	WOOD, PAINTED
	NF	NATURAL FINISH (SYNTHETIC)	HARDWARE:	DC	DULL CHROME
	WS	WOOD, STAINED `			
MATERIAL: FINISH:	SC HM AG WV PLAM MP AA BM NF	SOLID CORE WOOD (TYPICAL) HOLLOW METAL ALUMINUM AND GLASS WOOD PANEL/VINYL PLASTIC LAMINATE — WHITE MAPLE METAL, PAINTED ANODIZED ALUMINUM, MILL FINISH BY MANUFACTURER NATURAL FINISH (SYNTHETIC)		20, 60, 90 HM AL S BM O	MIN. 1, 1½ HOUR, ETC. — INDICATES LAE HOLLOW METAL ALUMINUM STEEL BY MANUFACTURER EXISTING FRAME TO REMAIN. PAINT TO MATCH ADJACENT WALL.



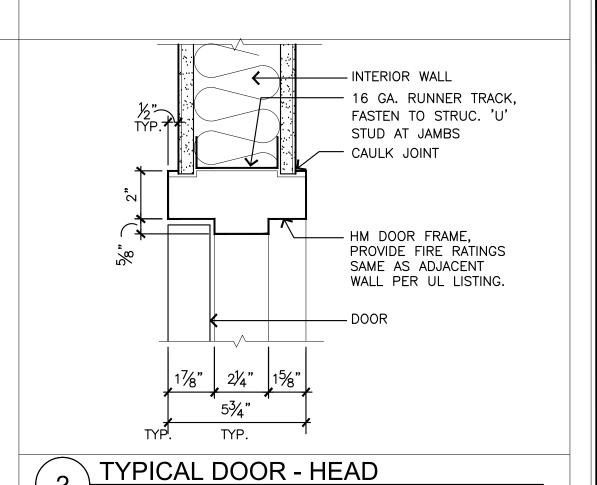
DOOR FRAMES

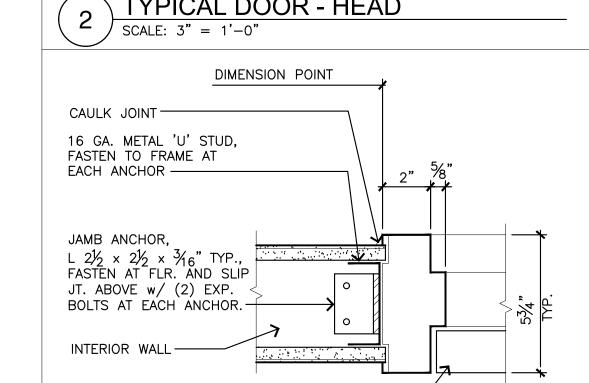


GENERAL NOTES

- 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 (CLEAR GLAZING AREA).
- 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

11. ALL DOORS SHALL BE FINISHED IN SIERRA 20, ON WHITE MAPLE DOORS (OREGON DOOR OR APPROVED EQUAL).





 \angle DOOR

1 TYPICAL DOOR - JAMB

SCALE: 3" = 1'-0"





MultiCare
GSMOB
Suite 4400
Clinic T.I.

1450 5th St SE Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL #

PROJECT NO. 31251

DRAWN BY: K. LANGLOIS

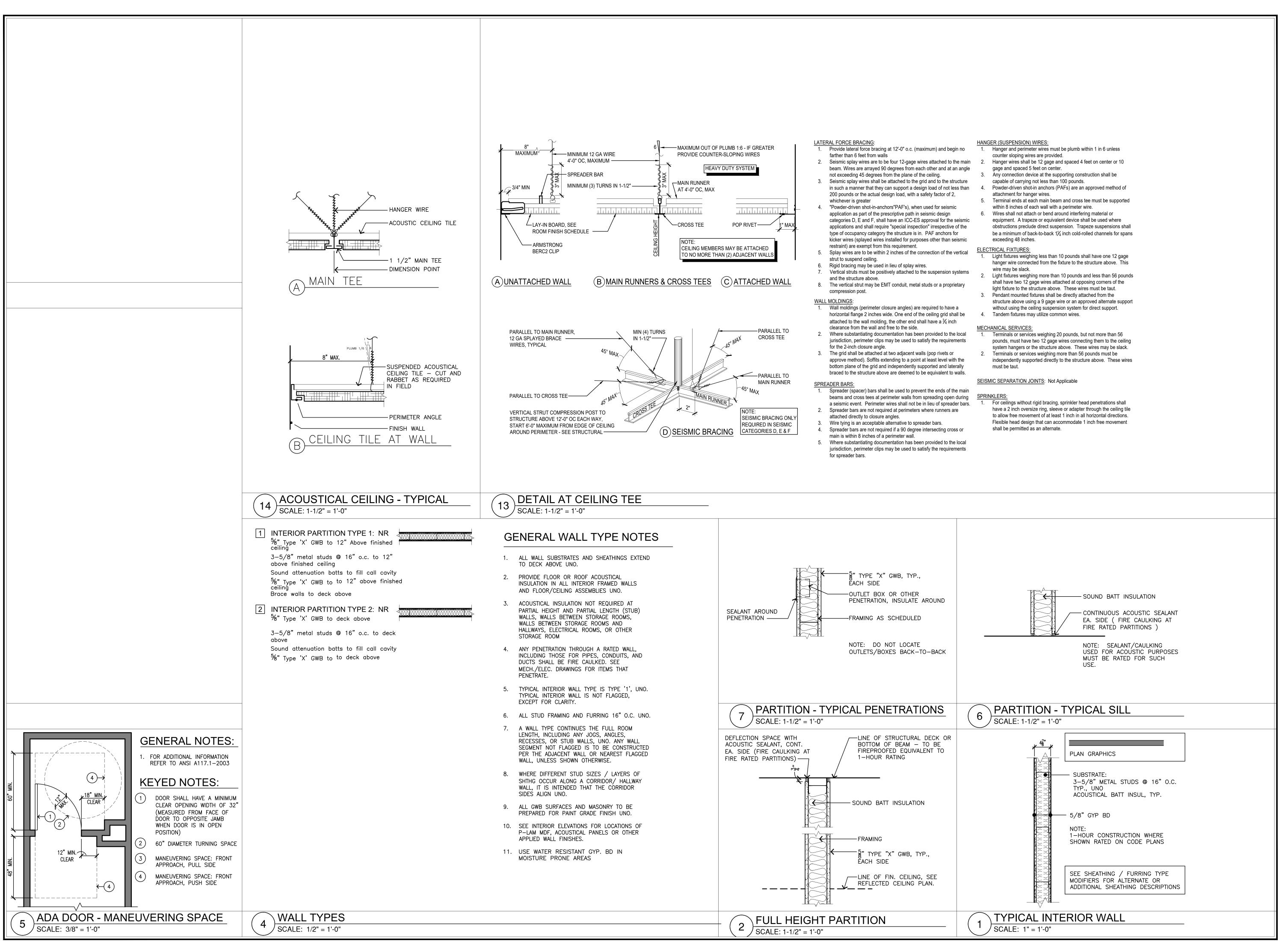
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SHEET TITLE:

DOOR SCHEDULE, & DETAILS

SHEET #:

A7.0



InSight
HealthCare Architecture
KLanglois@InsightDesignStudio.biz

REGISTERED ARCHITECT

Language

Karsea M. Langlois
STATE OF WASHINGTON

12345 Lake City Way NE #2108 Seattle, WA 98125 206-601-6645

MultiCare 🙃

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

BetterConnected

PROJECT NAME:

MultiCare

MultiCare GSMOB Suite 4400 Clinic T.I.

1450 5th St SE Puyallup, WA 98372

Puyallup, VVA 98372

MARK DATE DESCRIPTION

4/10/2023 PERMIT SUBMITTAL #

PROJECT NO. 31251

DRAWN BY: K. LANGLOIS

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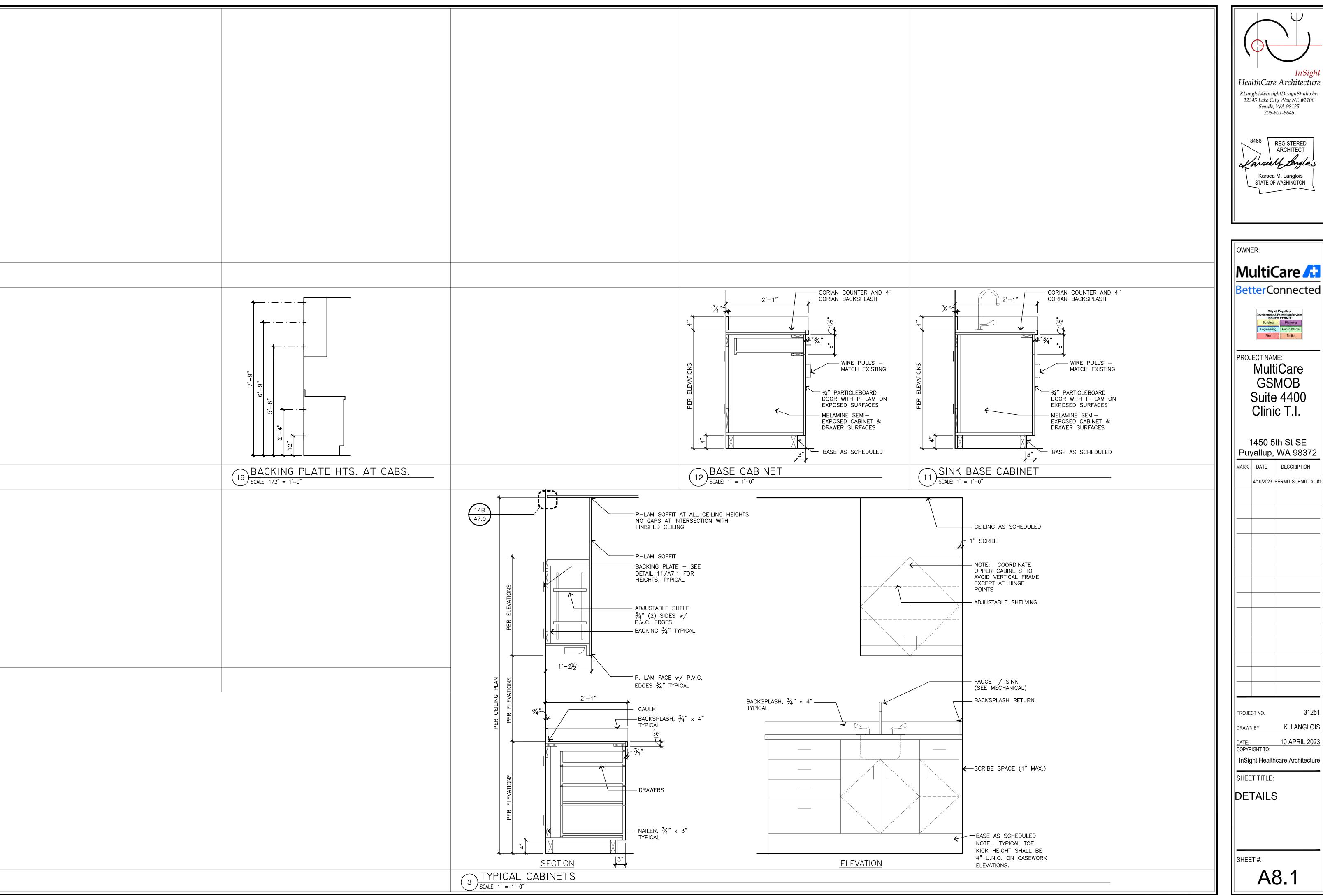
SHEET TITLE:

| |WALL TYPES,

DETAILS

SHEET #:

A8.0



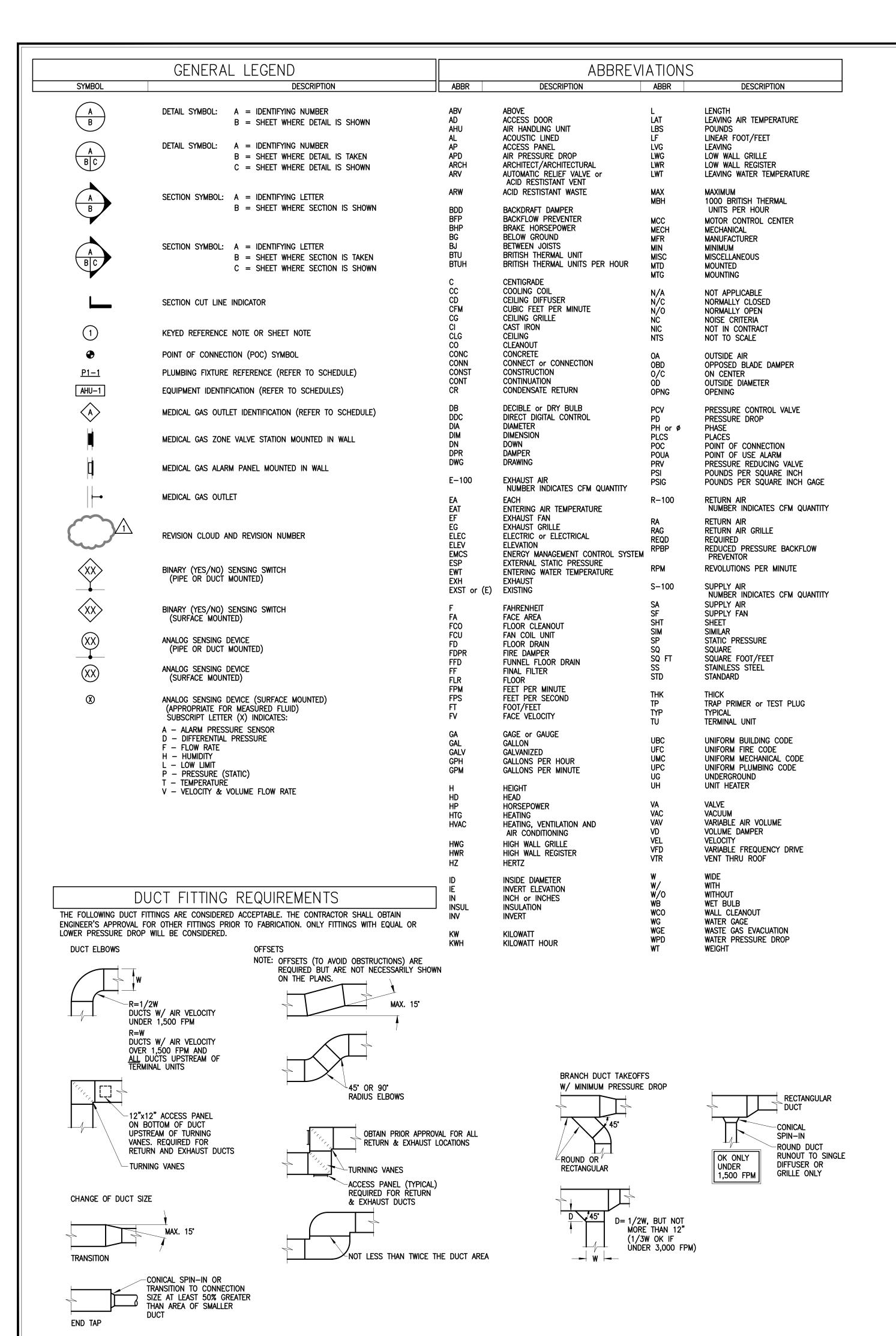


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	Development	of Puyallup & Permitting Services JED PERMIT Planning Public Works Traffic		
MultiCare GSMOB Suite 4400 Clinic T.I.				
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MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL #
PROJE	CT NO.	3125
DRAW	N BY:	K. LANGLOIS
DATE:		10 APRIL 2023
	RIGHT TO:	

DETAILS

A8.1



SYMBOL	AIR DISTE	RIBUTION LEGEND DESCRIPTION
		LIGHT LINEWORK INDICATES EXISTING DUCT OR EQUIPMENT
411111h		INDICATES DUCT OR EQUIPMENT TO BE REMOVED
18x12 18x12		DUCT SIZE IN INCHES FIRST SIZE LISTED IS SIDE SHOWN
===		ACOUSTIC LINED DUCT
S R R	R	DUCT OFFSET (UP) IN DIRECTION OF ARROW (NOT TYPICALLY SHOWN)
S D D	D	DUCT OFFSET (DN) IN DIRECTION OF ARROW (NOT TYPICALLY SHOWN)
<u> 18"ø</u>		ROUND DUCT IN INCHES
18x12"ø 18x12"ø		OVAL DUCT IN INCHES
18x10 18x12		CHANGE OF DUCT SIZE
\$\frac{18x10}{4} \frac{18x12}{5}\$		CHANGE OF DUCT SIZE (TRIANGLE NOT ALWAYS SHOWN)
		RECTANGULAR SUPPLY DUCT ELBOW TURNED UP
├		RECTANGULAR SUPPLY DUCT ELBOW TURNED DOWN OR AWAY
		RECTANGULAR RETURN/EXHAUST DUCT ELBOW TURNED UP
		RECTANGULAR RETURN/EXHAUST DUCT ELBOW TURNED DOWN OR AWAY
		SMALL RECTANGULAR DUCT ELBOW TURNED DOWN OR AWAY
		ROUND DUCT ELBOW TURNED UP
		ROUND DUCT ELBOW TURNED DOWN OR AWAY
S		END OF DUCT WITH CAP (UNLESS INDICATED OTHERWISE)
	FLEX	FLEXIBLE DUCT
	AD	DUCT ACCESS DOOR
L	VD	VOLUME DAMPER
	INSULATION	ON REQUIREMENTS

1. PIPE INSULATION REQUIREMENTS:

DOMESTIC COLD WATER: 1/2" THICK ON 1" DIAMETER PIPE AND SMALLER. 1" THICK ON ALL PIPING LARGER THAN 1" DIAMETER.

DOMESTIC HOT WATER: 1" THICK ON 2" DIAMETER PIPING AND SMALLER. 1-1/2" THICK ON ALL PIPING OVER 2" DIAMETER. 1/2" INSULATION ACCEPTABLE ON RUNOUTS UP TO 8 FEET IN LENGTH ROUTED IN WALLS TO PLUMBING FIXTURES.

2. DUCT INSULATION REQUIREMENTS:

SUPPLY DUCTS: R-3.3 INSULATION FOR ALL SUPPLY DUCTS WITHIN THE BUILDING ENVELOPE. R-8 INSULATION FOR OUTDOOR DUCTS OR DUCTS WITH OUTDOOR AIR. R-6 FOR DUCTS IN UNCONDITIONED SPACES.

RETURN DUCTS (ALL DUCTS TRAVELING FROM SPACE BACK TO AN AIR HANDLER): R-8 INSULATION FOR OUTDOOR DUCTS AND R-6 FOR DUCTS IN UNCONDITIONED SPACES.

ALL EXTERIOR DUCTS TO BE CLAD WITH ALUMINUM.

3. EXPOSED PLENUMS IN MECHANICAL ROOMS:

SAME AS DUCTWORK, EXCEPT USE RIGID INSULATION BOARD WITH KRAFT BARRIER.

DUCT CONSTRUCTION AND SEALING REQUIREMENTS

- 1. <u>SUPPLY DUCTWORK FROM AIR HANDLER TO TERMINAL UNITS</u>
- 2" STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS SEALED (SMACNA SEAL CLASS A).
- 2. <u>SUPPLY DUCTWORK DOWNSTREAM OF TERMINAL UNITS:</u>
- 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 SEALING.

3. 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.

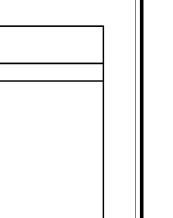
	DRAWING INDEX
SHEET NUMBER	DESCRIPTION
M0.1	COVER SHEET, GENERAL NOTES, & INDEX
MO.2	GENERAL SPECIFICATIONS
M0.3	MECHANICAL SCHEDULES
M1.1	FOURTH FLOOR MECHANICAL PLAN - DEMO
M1.2	FOURTH FLOOR MECHANICAL PLAN
M3.1	MECHANICAL DETAILS

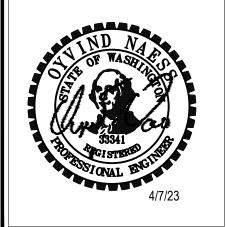
GENERAL NOTES

- 1. PIPE AND DUCT SIZES: WHERE A SECTION OF PIPE OR DUCT BETWEEN TAKEOFFS DOES NOT HAVE A SIZE INDICATED, IT SHALL BE SAME SIZE AS SECTION UPSTREAM (DOWNSTREAM FOR EXHAUST AND RETURN DUCTS). IN GENERAL, AS VOLUME FLOW RATE DECREASES, PIPE OR DUCT SIZE SHALL REMAIN LARGE UNTIL A SMALLER SIZE IS INDICATED. NOTE THAT SOME PIPE AND DUCT SIZES ARE INDICATED ON ASSOCIATED DEVICE SCHEDULE.
- 2. CEILING COORDINATION: REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELECTRICAL PLANS. COORDINATE LOCATION OF DIFFUSERS, CEILING GRILLES, SPRINKLER HEADS. ETC. WITH OTHER CEILING ELEMENTS. VALVES, FIRE DAMPERS, HEATING AND COOLING COILS, AND OTHER SERVICEABLE ITEMS ABOVE THE CEILING SHALL BE LOCATED SO AS TO BE READILY ACCESSABLE FROM REMOVABLE CEILING PANELS OR ACCESS DOORS. IF REMOVABLE PANELS OR ACCESS DOORS ARE NOT CONVENIENT, CONTACT ARCHITECT FOR DIRECTION PRIOR TO INSTALLING SERVICEABLE ITEMS.
- 3. WALL MOUNTED ITEMS: REFER TO ARCHITECTURAL PLANS AND WALL ELEVATIONS FOR EXACT LOCATIONS OF PLUMBING FIXTURES, AND OTHER WALL MOUNTED OR COUNTER MOUNTED MECHANICAL ITEMS.
- 4. OFFSETS: PLANS ARE DIAGRAMMATIC IN NATURE AND DO NOT ATTEMPT TO SHOW EXACT LOCATIONS OF DUCTWORK AND PIPING NOR DO THEY SHOW ALL OFFSETS THAT WILL BE REQUIRED FOR INSTALLATION. IN MANY CASES, OFFSETS WILL REQUIRE SIGNIFICANT ADDITIONAL LENGTHS OF PIPE OR DUCT AND ADDITIONAL FITTINGS, PARTICULARLY IN AREAS WHERE OTHER MEP DISTRIBUTION EXISTS IN UNKNOWN LOCATIONS, SUCH AS IN THE EXISTING TENANT SPACE BELOW. PROVIDE ALL NEEDED OFFSETS WITHOUT ADDED COMPENSATION. PERFORM FIELD INVESTIGATION AND COORDINATE WITH OTHER TRADES PRIOR TO FABRICATION OF DUCTWORK AND PIPING.
- 5. CLEANOUTS: PLUMBING CLEANOUT LOCATIONS ARE NOT ALWAYS ESTABLISHED ON THE 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 IN DIFFUCULT TO ACCESS AREAS SHALL BE EITHER WALL OR FLOOR CLEANOUTS SERVICED FROM THE FLOOR ABOVE. FLOOR CLEANOUTS SHALL BE LOCATED SO AS TO BE SERVICED FROM CORRIDORS, TOILETS OR JANITOR ROOMS WHEREVER POSSIBLE.
- 6. PIPE AND EQUIPMENT IDENTIFICATION: PROVIDE PIPE, EQUIPMENT, AND VALVE LABELING.
- 7. 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.
- 8. PIPING, DUCTWORK AND EQUIPMENT ANCHORAGE: PROVIDE SEISMIC RESTRAINTS AND ANCHORAGE PER SPECIFICATIONS AND THE INTERNATIONAL BUILDING CODE.
- 9. HANDICAP FIXTURES: PLUMBING FIXTURES AND TRIM IN HANDICAP ACCESSIBLE AREAS SHALL COMPLY WITH ADA STANDARDS AS WELL AS STATE AND LOCAL CODES.
- 10. ELECTRICAL CLEARANCES: COORDINATE WITH ALL TRADES TO MAINTAIN ELECTRICAL SERVICE CLEARANCE (PER NATIONAL ELECTRIC CODE) FOR MECHANICAL EQUIPMENT.

ENERGY CODE NOTES

- A. EQUIPMENT EFFICIENCIES AND CAPACITIES: SEE EQUIPMENT SCHEDULES.
- B. THERMOSTATIC CONTROL AND DEADBAND: PROVIDED WITH SETPOINT, AND DEADBAND CONTROLS AS PER C403.2.4.1. THIS INCLUDES CONTROLLING NEIGHBORING OPEN ZONES TP HAVE SETPOINTS AND DEADBANDS COORDINATED SO THAT COOLING IN ADJACENT ZONES SHALL NOT OPERATE UNTIL THE ADJACENT ZONE TEMPERATURE IS 5°F HIGHER THAN PERIMETER TEMPERATURE.
- C. PROVIDE DDC CONTROLS IN ACCORDANCE WITH C403.2.4.12 2015 WASHINGTON STATE ENERGY
- D. OFF-HOUR CONTROLS: PROVIDED WITH THERMOSTATIC SETBACK, AUTOMATIC SETBACK AND SHUTDOWN, AND AUTOMATIC START AS PER C403.2.4.2 2015 WASHINGTON STATE ENERGY
- E. AUTOMATIC (MOTORIZED) DAMPERS AT OUTSIDE AIR INTAKES, EXHAUST OUTLETS, AND RELIEF OUTLETS. DAMPERS TO COMPLY WITH C403.2.4.3 2015 WASHINGTON STATE ENERGY CODE DAMPER LEAKAGE RATES SHALL NOT EXCEED 4 CFM / SQ.FT. AT 1.0" W.G. FOR MOTORIZED DAMPERS OR 20 CFM / SQ.FT. AT 1.0" W.G. FOR NONMOTORIZED DAMPERS, EXCEPT NONMOTORIZED DAMPERS SMALLER THAN 24" IN EITHER DIMENSION WHERE THE MAXIMUM ALLOWABLE LEAKAGE RATE IS 40 CFM / SQ.FT.
- F. ECONOMIZER FAULT DETECTION: IN ACCORDANCE WITH C403.2.4.7, PROVIDE ECONOMIZER FAULT DETECTION AND DIAGNOSTICS ON REQUIRED EQUIPMENT
- G.HEAT PUMP (UNITARY, AIR COOLED) MICROPROCESSOR CONTROLS: PROVIDED PER WASHINGTON STATE ENERGY CODE SECTION C403.2.4.1.1
- H. FREEZE PROTECTION CONTROL SYSTEMS: FREEZE PROTECTION SYSTEMS, SUCH AS HEAT TRACE, SHALL INCLUDE AUTOMATIC SHUT-OFF WHEN OSA IS ABOVE 40°F PER C403.2.4.6
- I. BALANCING DAMPERS, VALVES, AND ASSOCIATED TESTING AND ADJUSTING EQUIPMENT ARE SHOWN ON THE HVAC, PLUMBING, AND PIPING DIAGRAMS.
- J. AIR ECONOMIZERS: SEE EQUIPMENT SCHEDULES. INTEGRATED ECONOMIZER CONTROLS TO BE PER C403.3.1. ECONOMIZER TO NOT INCRESE BUILDING HEATING. HIGH-LIMIT SHUT-OFF TO BE PER ENERGY CODE TABLE C403.3.3.3
- K. DUCT SEALING: SEE "DUCT CONSTRUCTION AND SEALING REQUIREMENTS"
- L. DUCT AND PIPING INSULATION: SEE "INSULATION REQUIREMENTS" ON SHEET(S) MO.01
- M.PROVIDE AS-BUILT RECORD DRAWINGS AND OPERATING AND MAINTENANCE MANUALS AS SPECIFIED AND AS REQUIRED BY SECTION C103.6 OF THE 2015 WASHINGTON STATE ENERGY
- N. PROVIDE MECHANICAL SYSTEMS COMMISSIONING (INCLUDES COMMISSIONING PLAN AND REPORTS) FOR ALL SYSTEMS PER SPECIFICATIONS AND SECTION 408 OF THE 2015 WASHINGTON STATE ENERGY CODE. BALANCING SUBCONTRACTOR SHALL BE NEBB OR AABC MEMBER. BALANCING CONTRACTOR SHALL BE CONTRACTED WITH THE OWNER. COMPLETED COMMISSIONING REPORT SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER.





COFFMAN

ENGINEERS

11101 2nd Avenue, Suite 400

Seattle, WA 98101

ph 206.623.0717

www.coffman.com

OWNER:
MultiCare 🙃
Better Connected



PROJECT NAME: MultiCare Suite 4400 Clinic T.I

1450 5th St SE

MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL #

DRAWN BY: 10 APRIL 2023

SHEET TITLE: COVER SHEET **GENERAL**

NOTES, & INDEX

SHEET #:

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SPECIFICATIONS

GENERAL REQUIREMENTS

THE WORK COVERED BY THIS AND ALL OTHER MECHANICAL SECTIONS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, APPLIANCES AND MATERIALS AND PERFORMING ALL OPERATIONS REQUIRED FOR A COMPLETE INSTALLATION OF ALL HEATING AND VENTILATION SYSTEMS AS HEREINAFTER SPECIFIED, IN STRICT ACCORDANCE WITH THIS AND ALL SECTIONS OF THESE SPECIFICATIONS, DRAWINGS, TERMS AND CONDITIONS OF THE CONTRACT, ALL APPLICABLE CODES, ORDINANCES AND LAWS GOVERNING EACH SYSTEM. UPON COMPLETION, THE SYSTEMS SHALL BE FULLY FUNCTIONAL, ADJUSTED, AND

ALL CONTRACT DOCUMENTS PERTAINING TO THIS PROJECT ARE HEREBY MADE A PART OF THIS SPECIFICATION.

THE CONTRACTOR IS RESPONSIBLE TO MAKE SURE OF A CLEAR UNDERSTANDING OF BOTH PLANS AND SPECIFICATIONS, PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE ENGINEER SHALL NOT BE HELD ACCOUNTABLE FOR LACK OF NOTIFICATION BY THE MECHANICAL AND/OR PLUMBING CONTRACTORS.

EXISTING CONDITION INFORMATION

BEFORE SUBMITTING BID. THE CONTRACTOR SHALL EXAMINE SITE CONDITIONS TO DETERMINE ANY EFFECT ON EXECUTION OF WORK AND INCLUDE COSTS IN BID. BY SUBMITTING A BID THE CONTRACTOR IS ACKNOWLEDGING THAT THEY HAVE SUFFICIENTLY UNDERSTOOD THE SCOPE OF CONSTRUCTION WORK REQUIRED AND HAVE INCLUDED IN BID, WHETHER SPECIFIED OR NOT, THE SUPPLY AND INSTALLATION OF ALL ITEMS REQUIRED BY GOOD PRACTICE TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.

OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BEFORE AND DURING CONSTRUCTION.

SUBSTITUTION PROCEDURES

THE EQUIPMENT SPECIFIED ON THE DRAWINGS HAVE BEEN SELECTED AS THE BASIS OF DESIGN. THE CONTRACTOR MAY PROPOSE A SUBSTITUTION OF OTHER MATERIAL OR EQUIPMENT, WHICH IN HIS OPINION WILL ACCOMPLISH THE DESIGN FUNCTION AND IS EQUAL TO THAT SPECIFIED. ALL COSTS INCURRED BECAUSE OF THIS SUBSTITUTION SHALL BE BY THE CONTRACTOR. THE ENGINEER SHALL BE THE JUDGE OF THE QUALITY AND SUITABILITY OF THE PROPOSED SUBSTITUTION AND MAY REQUIRE THE CONTRACTOR TO FURNISH ANY MATERIAL OR PIECE OF EQUIPMENT AS SPECIFIED.

PROJECT MANAGEMENT AND COORDINATION

- GENERAL: THE CONTRACTOR SHALL SCHEDULE HIS WORK IN SUCH A MANNER AS TO AVOID DELAYS IN OVERALL CONSTRUCTION AND PERMIT PROPER INSTALLATION OF . ALL WORK BY THEMSELF AND OTHER CRAFTS.
- DESIGN DRAWINGS: THESE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW THE FINAL ROUTING OF DUCTWORK, PIPING OR FINAL LOCATION OF EQUIPMENT. IF CONFLICTS ARISE WHICH CAUSE A CHANGE IN THE SPECIFIED PLANS OR DESIGN, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER PRIOR TO MAKING THE CHANGES. ANY CHANGES NOT APPROVED BY THE ENGINEER SHALL BE THE RESPONSIBILITY OF OTHERS.
- INTERFERENCE'S: THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER CRAFTS TO MAKE CERTAIN LOCATIONS AND ARRANGEMENTS REQUIRED FOR INSTALLATION OF SYSTEMS ARE MADE AVAILABLE, AND BE RESPONSIBLE FOR ARRANGING DUCTWORK, PIPING, EQUIPMENT, ETC., SO AS NOT TO INTERFERE WITH STRUCTURAL MEMBERS, LIGHTS. AND OTHER ITEMS HAVING FIXED LOCATIONS NOT RELATED TO THE SYSTEMS. WHERE ALTERNATE ROUTING, OFFSETS, AND TRANSITIONS ARE REQUIRED FOR FIELD COORDINATION OF ALL TRADES, THE CONTRACTOR SHALL MAKE CHANGES WITHOUT ADDITIONAL COSTS.
- VERIFICATION: PRIOR TO ORDERING ANY EQUIPMENT OR FIXTURES, VERIFY DIMENSIONS OF ALL SUCH EQUIPMENT, FIXTURES, ETC., TO MAKE CERTAIN IT FITS INTO 1. THE FOLLOWING DOCUMENTS SHALL BE BE PROVIDED TO THE BUILDING OWNER OR THE STRUCTURAL AND ARCHITECTURAL FEATURES OF THE BUILDING, AVOIDS CONFLICT WITH EQUIPMENT OR FIXTURES OF OTHER CRAFTS AND FITS INTO THE SPACE PROVIDED FOR THE INSTALLATION.
- SLEEVES AND INSERTS: THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SLEEVES AND INSERTS REQUIRED FOR HIS WORK. THE CONTRACTOR SHALL SCHEDULE HIS WORK SO HE INSTALLS SLEEVES AND INSERTS AS CONSTRUCTION PROCEEDS AND IN A MANNER TO AVOID DELAYS. IF THE CONTRACTOR FAILS TO INSTALL SLEEVES AND INSERTS AS CONSTRUCTION PROCEEDS, HE SHALL PAY ALL COSTS FOR CUTTING AND PATCHING TO MAKE THE PROPER INSTALLATION.
- CONTRACTOR SHALL NOT SHUT-OFF/PUT OUT OF SERVICE ANY SYSTEMS/SERVICES WITHOUT FIRST COORDINATING ALL DOWNTIME WITH OWNER'S PERSONNEL. CONTRACTOR SHALL PROVIDE A DETAILED M.O.P. AS REQUIRED. DO NOT BEGIN WORK WITHOUT WRITTEN APPROVAL.
- 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.
- 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.

EXISTING BUILDINGS

CONTINUITY OF SERVICE: ANY SYSTEMS OR SERVICES 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 PART OF THIS CONTRACT.

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 DRAWING, 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

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.

PRODUCT REQUIREMENTS

 THE MATERIAL AND EQUIPMENT SHALL BE NEW, BEST QUALITY AND AS SPECIFIED. EQUIPMENT SHALL BE FURNISHED COMPLETE WITH ALL PARTS NECESSARY FOR PROPER OPERATION. MATERIAL AND EQUIPMENT SHALL BE CLEANED AND FREE FROM DENTS, SCRATCHES, AND CORROSION. EQUIPMENT SHALL PROVIDE QUIET OPERATION.

THE WORK SHALL BE PERFORMED BY PERSONS SKILLED IN THE PARTICULAR TRADE. AND INCLUDES ALL WORK NECESSARY TO PROPERLY COMPLETE THE INSTALLATION IN A MANNER THAT PRESENTS A NEAT AND FINISHED APPEARANCE.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS RECOMMENDED BY THE EQUIPMENT MANUFACTURER, REQUIRED BY CODES AND NECESSARY FOR THE PROTECTION OF PERSONNEL, SUCH AS SCREENS, GUARDS, RELIEF VALVES, VENTS, OVERFLOW, ETC., WHICH SHALL BE PROVIDED AND INSTALLED IN AN APPROVED MANNER.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT FOLLOWING ALL MANUFACTURER'S REQUIREMENTS. CONTACT ENGINEER IF CONFLICTS ARISE.
- INSTALLATION, GENERAL: FOLLOW MANUFACTURER'S INSTRUCTIONS AND UTILIZE GOOD INDUSTRY PRACTICE WHEN INSTALLING ALL WORK. USE ONLYSKILLED TRADESPEOPLE WITH QUALIFIED SUPERVISION. ALL WORK SHALL BE LEFT NEAT AND
- 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.
- 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.)
- 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, FIRE PROTECTION, ELECTRICAL, AND SITE-WORK SUBCONTRACTORS, SO THAT THE BEST ARRANGEMENT OF ALL EQUIPMENT, PIPING, CONDUIT, DUCTS, AND OTHER RELATED ITEMS CAN BE OBTAINED.
- ELECTRICAL CLEARANCES: COORDINATE WITH ALL TRADES TO MAINTAIN ELECTRICAL SERVICE CLEARANCE (PER NATIONAL ELECTRICAL CODE) FOR MECHANICAL EQUIPMENT.

QUALITY REQUIREMENTS

- ON COMPLETION OF THE WORK, FURNISH SATISFACTORY EVIDENCE THAT ALL WORK HAS BEEN INSTALLED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE CODES.
- THE OWNER AND/OR GENERAL CONTRACTOR SHALL DECIDE WHETHER OR NOT THE FINISHED WORK IS SATISFACTORY AND IF ANY MATERIAL OR EQUIPMENT HAS NOT BEEN PROPERLY INSTALLED OR FINISHED. THE MECHANICAL AND/OR PLUMBING CONTRACTOR IS OBLIGATED TO REPAIR OR REPLACE THE MATERIAL OR EQUIPMENT IN A MANNER SATISFACTORY TO THE OWNER WITHOUT COST TO THE OWNER.
- GUARANTEE: GUARANTEE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETE. REFER TO ADDITIONAL REQUIREMENTS (TO 1,130 POUNDS) = 1/2" ROD, 5" TO 8" PIPE (TO 1,810 POUNDS) = 5/8" ROD. OUTLINED BY ARCHITECT AND OWNER.

PROJECT CLOSE OUT DOCUMENTATION (C103.6):

- OWNER'S AUTHORIZED AGENT WITH 180 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY:
- RECORD DOCUMENTS (C103.6.1)
- MANUALS (C103.6.2) COMPLIANCE DOCUMENTATION (C103.6.3)

BALANCING: PROVIDE THE SERVICES OF A QUALIFIED BALANCING FIRM TO OBTAIN AIR FLOWS WITHIN 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.

BASIC MATERIALS AND METHODS (APPLIES TO ALL WORK)

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.

A. SUPPORT AND HANGERS

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.

SEISMIC BRACING: PROVIDE COMPLETE SEISMIC BRACING FOR ALL NEW PIPING. DUCTWORK, TERMINAL UNITS AND EQUIPMENT AS REQUIRED BY THE 2018 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 MANUFACTURER SHALL FURNISH PROJECT-SPECIFIC DRAWINGS SHOWING THE CORRECT BRACE FOR EACH PROJECT-SPECIFIC LOCATION.

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.

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.

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.

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

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.

MISCELLANEOUS MATERIALS AND ACCESSORIES

- 1. 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".
- 2. VOLUME DAMPERS: BALANCING DAMPERS SHALL BE PER SMACNA STANDARDS. HEAVY DUTY QUADRANTS WITH SETTING SCALE AND SECURE LOCKING THUMB NUTS.

DIVISION 23 - HEATING VENTILATION AND AIR CONDITIONING

HANGERS AND SUPPORTS FOR HVAC, PIPING AND EQUIPMENT

- HANGERS, BRACKETS, ANCHORS AND MISCELLANEOUS SUPPORTS SHALL BE PROVIDED FOR THE INSTALLATION OF ALL PIPING AND HVAC EQUIPMENT.
- SUPPORTING DEVICES SHALL BE ATTACHED TO CEILING, WALLS AND FLOORS BY BOLTS
- PIPE HANGERS AND VERTICAL SUPPORT SPACING SHALL BE IN COMPLIANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE.
- MOUNTS, ANCHORS AND BRACING SHALL MEET 2018 I.B.C AND I.M.C. SEISMIC REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.

DUCTING SYSTEMS:

- 1. RIGID DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND SEALED IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE. (603)
- 2. ALL RIGID HVAC DUCTWORK IS 2.0 INCH W.C. PRESSURE CLASSIFICATION (603.3)
- 3. RIGID DUCTWORK SHALL BE GALVANIZED MEETING SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
- 4. RIGID DUCTWORK SHALL BE ALUMINUM FOR HIGH MOISTURE MEETING SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
- 5. FLEXIBLE AIR DUCTWORK SHALL MEET SECTION 603.6 REQUIREMENTS

MECHANICAL INSULATION

A. GENERAL

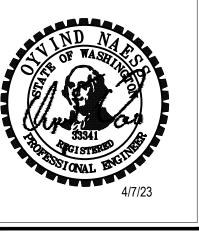
MANUFACTURERS: MANVILLE, OWENS-CORNING, CERTAINTEED, OR KNAUF. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

INSULATION THICKNESS: PER WSEC.

B. INSULATION MATERIALS

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.

Seattle, WA 98101 ph 206.623.0717 www.coffman.com



OWNER:
MultiCare 🙃
Better Connected
City of Puyallup Development & Permitting Services

1450 5th St SE Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL #1
PROJE	CT NO.	31251

DRAWN BY: 10 APRIL 2023 COPYRIGHT TO:

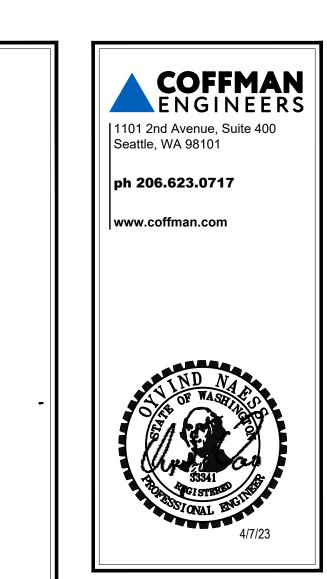
SHEET TITLE: **GENERAL** SPECIFICATIONS

SHEET #:

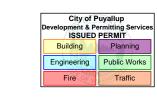
EXISTING EXHAUST FAN SCHEDULE											
			FAN			MOTOR		DDI\/E			
TAG	LOCATION	AREA SERVED	CFM (PRESENT/FUTURE)	ESP	HP	VOLTS	PH	DRIVE TYPE	FILTER	BASIS OF DESIGN	REMARKS
EF-13	ROOF	TENANT SUITES	1750/3000	0.5/1.5	1/2/1900	460	3	BELT		GREENHECK GB-200-20	1
EF-13	ROOF	TENANT SUITES		0.5/1.5	1/2/1900	460	3	BELT		GREENHECK GB-200-20	

1. REBALANCE EXHAUST FAN TO PROVIDE ADDITIONAL AIRFLOW AS SHOWN ON PLANS,

EXISTING VAV WITH ELECTRIC REHEAT								
TAG	FAN SIZE	CFM PRIMARY AIR			FAN HP	HTR KW	INLET DUCT	OUTLET
IAG	FAN SIZE	MIN. HEATING	MIN. COOLING	MAX COOLING	FAN HE	HIK KW	INLET DOCT	DUCT
1/4-10	02SQ	305	305	885	0.12	5.5	10	20x16
1/4-11	03SQ	200	200	940	0.33	11	10	20x16
1/4-12	02SQ	200	200	370	0.12	3	6	20x16
1/4-13	02SQ	150	150	300	0.12	4.5	6	20x14
2/4-12	02SQ	305	305	885	0.12	5.5	10	20x16
2/4-13	03SQ	300	300	655	0.33	7.5	10	20x16
2/4-14	02SQ	150	150	280	0.12	2	6	20x14
2/4-15	02SQ	150	150	305	0.12	2	6	20x14
2/4-16	02SQ	150	150	300	0.12	2.5	6	20x14



OWNER:
MultiCare 🕰
Better Connected



PROJECT NAME:

MultiCare GSMOB Suite 4400 Clinic T.I.

1450 5th St SE
Puyallup, WA 98372

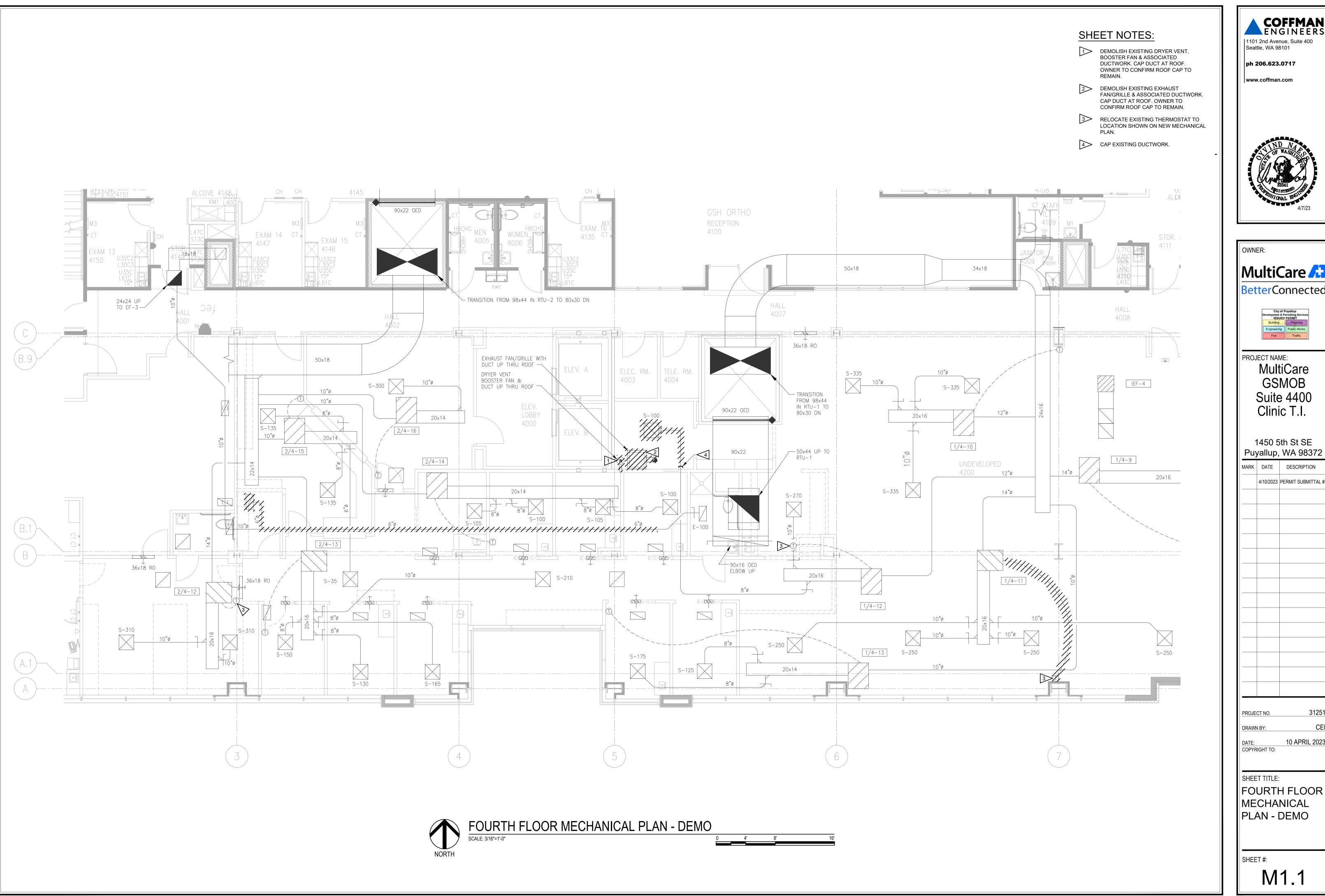
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	4/10/2023	PERMIT SUBMITTAL #

31251 PROJECT NO.

10 APRIL 2023 DATE: COPYRIGHT TO:

SHEET TITLE: MECHANICAL SCHEDULES

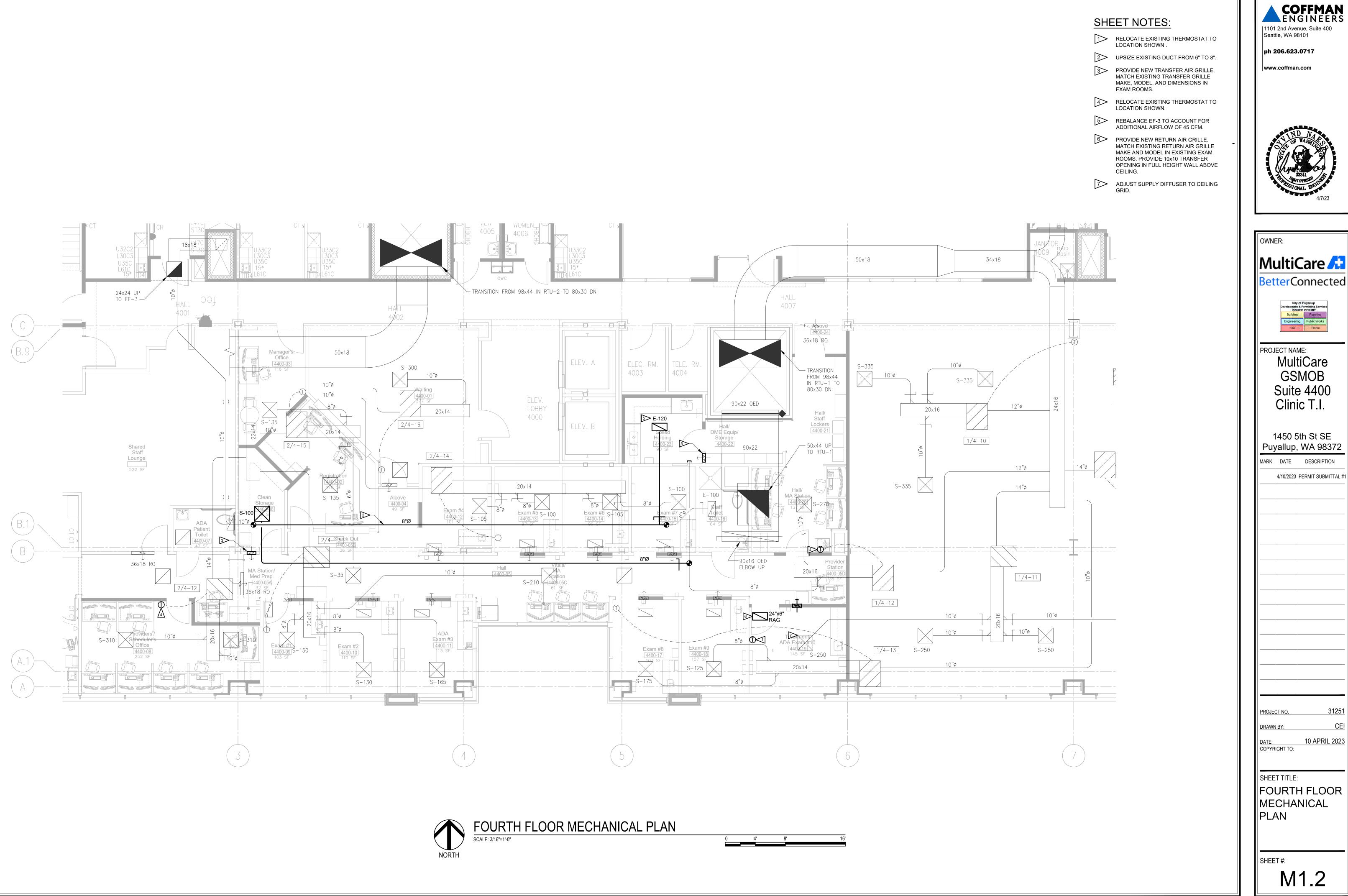
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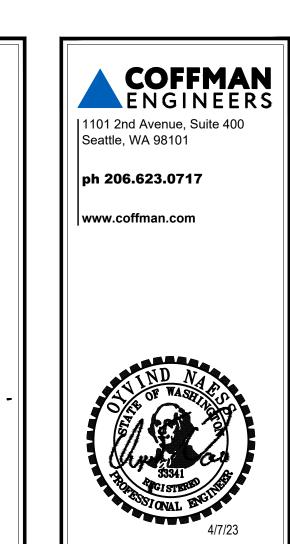




OWN	ER:		
MultiCare ABBetterConnected			
City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic			
MultiCare GSMOB Suite 4400 Clinic T.I.			
		WA 98372	
MARK	DATE	DESCRIPTION	
	4/10/2023	PERMIT SUBMITTAL #1	
PROJE	CT_NO.	31251	
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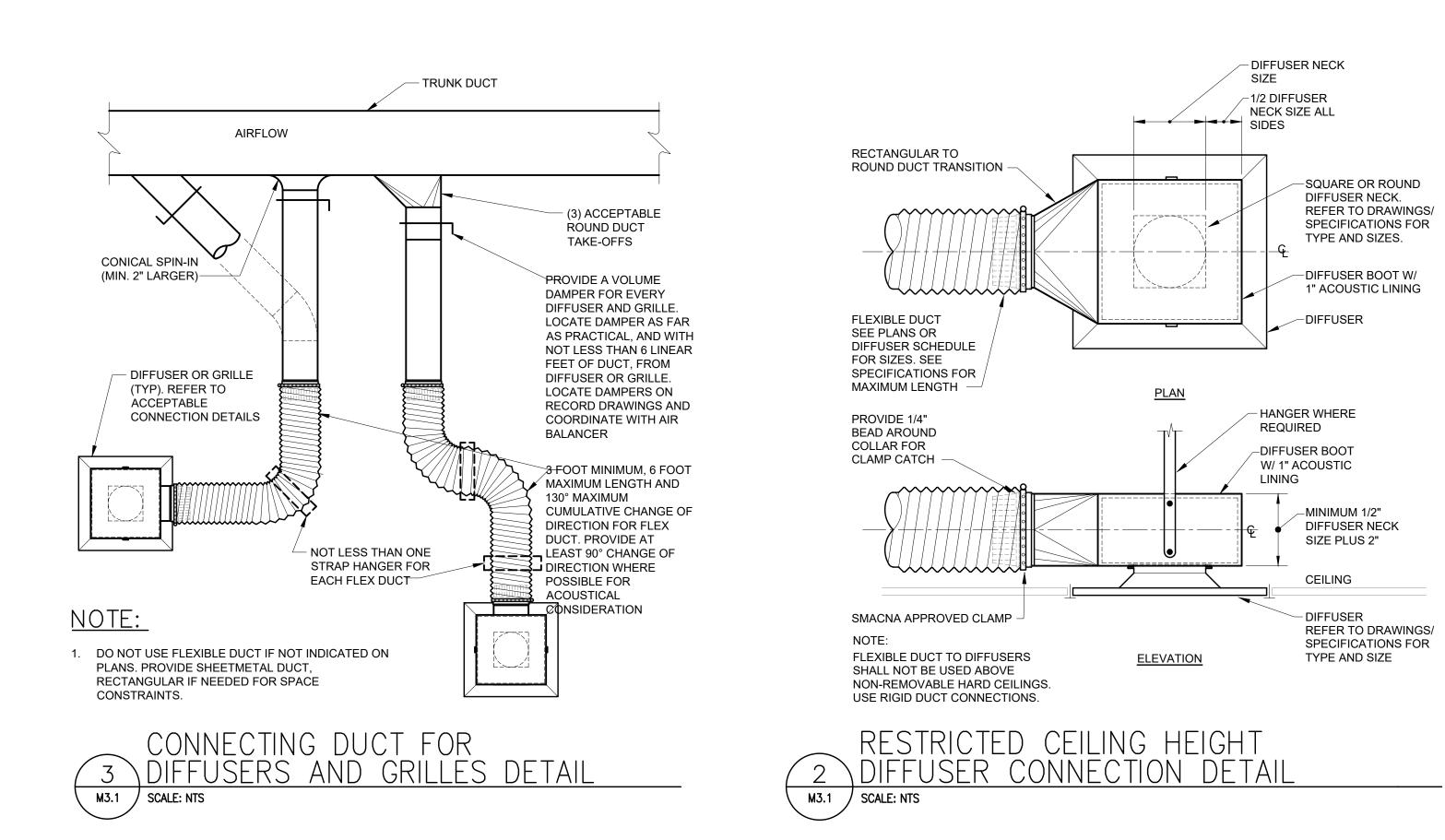
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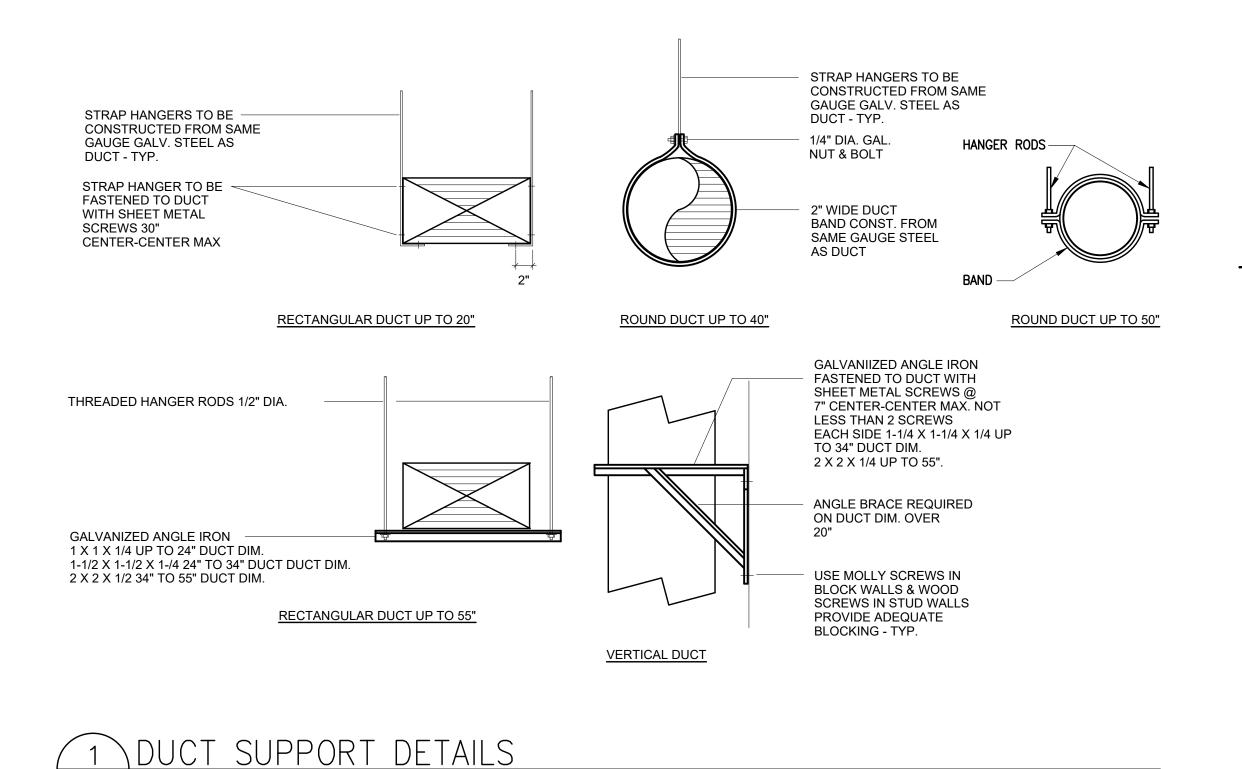




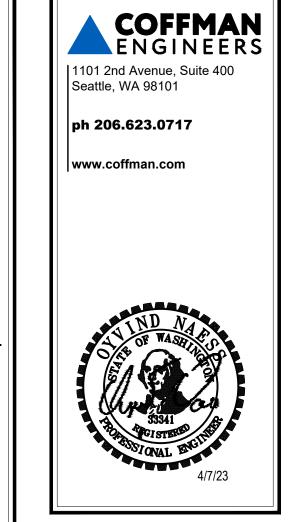
	City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic PROJECT NAME: MultiCare GSMOB			
	Suite Clini	e 4400 c T.I. oth St SE WA 98372		
	4/10/2023	PERMIT SUBMITTAL#		
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M1.2





M3.1 / SCALE: NTS



OWNER:

MultiCare

BetterConnected

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

MultiCare
GSMOB
Suite 4400
Clinic T.I.

1450 5th St SE Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	4/10/2023	PERMIT SUBMITTAL #1
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DATE: 10 APRIL 2023 COPYRIGHT TO:

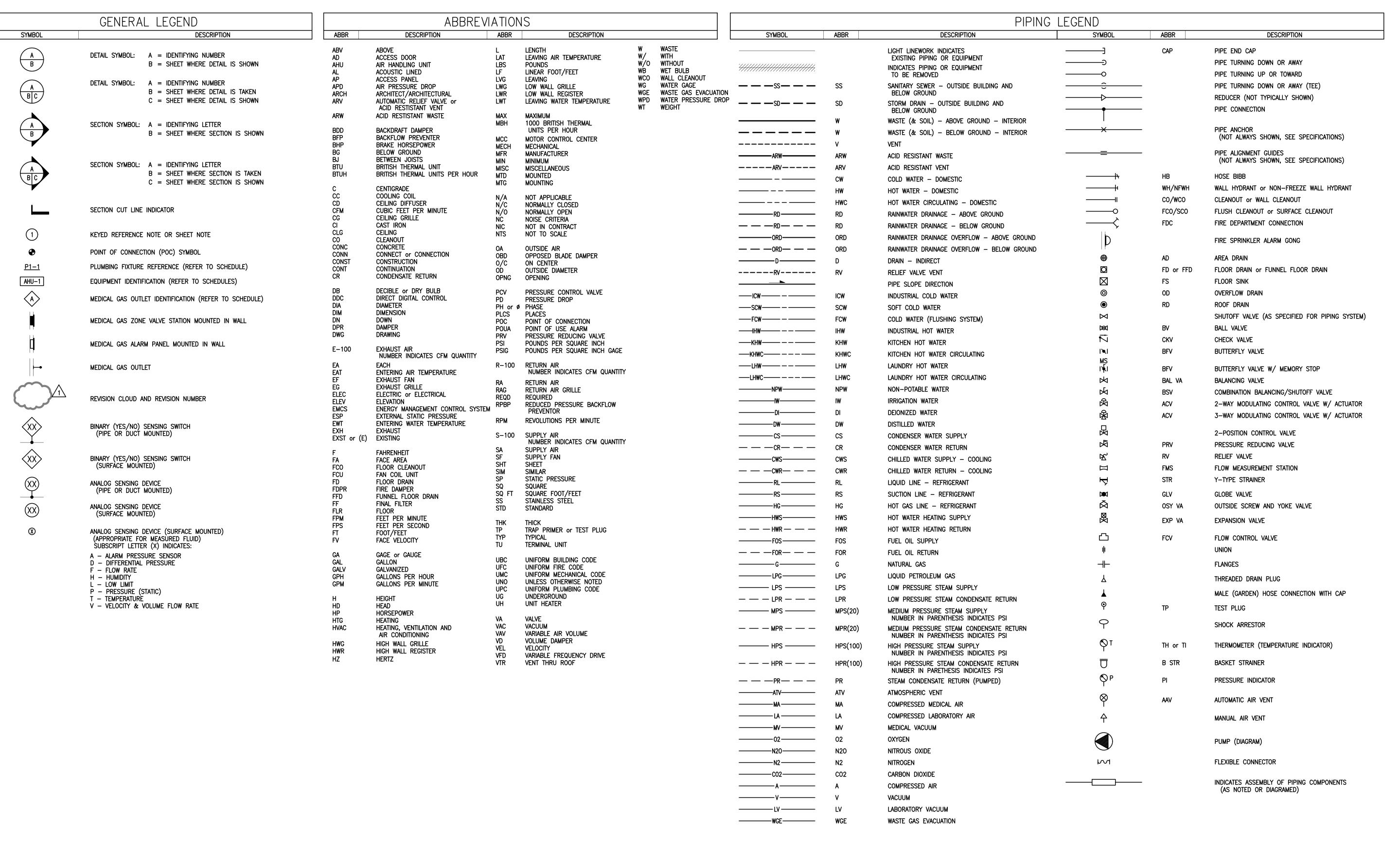
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MECHANICAL

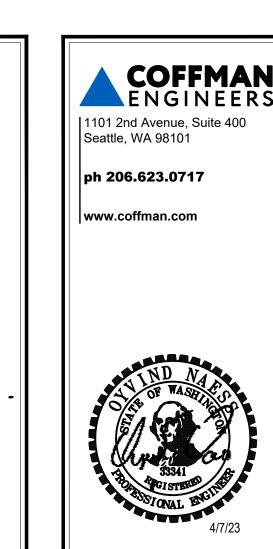
DETAILS

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M3.1



	DRAWING INDEX	
SHEET NUMBER	DESCRIPTION	
P0.1	COVER SHEET, GENERAL NOTES, & INDEX	
P0.2	PLUMBING SPECIFICATIONS	
P0.3	PLUMBING SCHEDULES	
P1.1	FOURTH FLOOR PLUMBING PLAN — DEMO	
P1.2	FOURTH FLOOR PLUMBING PLAN	
P3.1	PLUMBING DETAILS	



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 #
PROJE	CT NO.	31251

PROJECT NO. 3125

DRAWN BY: CE

DATE: 10 APRIL 2023 COPYRIGHT TO:

SHEET TITLE:
PLUMBING
COVER SHEET,
GENERAL
NOTES, AND
INDEX

SHEET #:

P0.1

GENERAL PLUMBING NOTES

- 1. COMPLY WITH THE 2018 UNIFORM PLUMBING CODE, LOCAL CODES AND ORDINANCES & THE LOCAL AUTHORITY HAVING JURISDICTION.
- 2. SECURE AND PAY FOR ALL FEES, PERMITS, ETC., REQUIRED FOR THIS PROJECT.
- 3. PLUMBING CONTRACTOR SHALL PROVIDE ALL MATERIAL REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION.
- 4. PLUMBING CONTRACTOR SHALL GUARANTEE THE COMPLETE PLUMBING SYSTEM TO BE FREE OF DEFECTS IN WORKMANSHIP & MATERIAL FOR A PERIOD OF 12 MONTHS FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
- 5. DO NOT SCALE DRAWINGS. INSTALL SYSTEMS BASED ON ACTUAL FIELD MEASUREMENTS.
- 6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF WALLS, FLOORS, AND CEILINGS.
- 7. 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.
- 8. COORDINATE EXACT LOCATION OF UTILITY SERVICES WITH THE LOCAL UTILITY SUPPLIERS AND CIVIL SITE CONTRACTOR.
- 9. FIELD VERIFY ALL EXISTING CONDITIONS & LOCATION OF STUB-INS PRIOR TO
- 10. IF THERE IS NOT SUFFICIENT CLEARANCE BETWEEN THE BOTTOM OF THE FLOOR SLAB AND THE TOP OF THE FOOTINGS/FOUNDATIONS TO INSTALL THE TRAPS, MOVE TRAP BEYOND EDGE OF FOOTINGS/FOUNDATIONS TO ALLOW FOR PIPE INSTALLATION. NOTIFY ENGINEERS OF PROPOSED CHANGES PRIOR TO TAKING ACTION.
- 11. SANITARY PIPING TWO INCHES (2") AND BELOW SHALL BE PITCHED AT A MINIMUM OF ONE-QUARTER INCH (1/4") PER FOOT AND PIPING FOUR INCHES (4") AND ABOVE SHALL BE PITCHED AT A MINIMUM OF ONE-EIGHTH (1/8") PER FOOT.
- 12. COORDINATE STUB-UPS WITH GENERAL CONTRACTOR'S CONCRETE SLAB INSTALLATION. PROVIDE MEANS TO CONNECT TO ABOVE GROUND PIPING & INSTALLATION OF DRAINS.
- 13. PRESSURE TEST PIPING PRIOR TO COVERING AND SUBMIT TEST REPORT TO THE ENGINEER.
- 14. DO NOT COVER PIPING UNTIL APPROVED BY THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE AND THE LOCAL PLUMBING INSPECTOR.
- 15. REFER TO CIVIL DRAINGS FOR SITE UTILITIES. COORDINATE TIE-IN LOCATIONS AND

INVERT ELEVATIONS WITH THE SITE UTILITY CONTRACTOR.

RESULT IN EXCESSIVE PIPE VIBRATION OR MOVEMENT.

16. INSTALL WATER PIPING BEYOND BUILDING LIMITS AT A MINIMUM OF TWELVE INCHES (12")

WHERE VALVE CLOSURES (SUCH AS FLUSH VALVES) MAY CAUSE WATER HAMMER OR

- BELOW THE FROST DEPTH, BUT NOT LESS THAN 30" BELOW FINISH GRADE.

 17. PROVIDE WATER HAMMER ARRESTORS (SHOCK ABSORBERS) AT ALL PIPE LOCATIONS
- 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 PRIMER LINE TO EACH FLOOR DRAIN (FD) & FUNNEL DRAIN SHALL BE ONE-HALF INCH (1/2") IN SIZE.
- 20. DRAINAGE PIPING SHALL BE PROTECTED FROM CONCRETE USING 10 MIL PLUMBERS TAPE
- 21. FUNNEL DRAINS LOCATED IN MANUFACTURING AREAS SHALL BE INSTALLED WITH FUNNEL OPENINGS MOUNTED A MINIMUM OF SIX (6") INCHES ABOVE FINISH FLOOR.
- 22. 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.
- 23. 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 LOINT
- 24. PIPING IN FINISHED AREAS SHALL BE CONCEALED.
- 25. ALL PLUMBING PIPING AT PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS SHALL BE FIRE STOPPED WITH A FIRE-RESISTANCE RATED ASSEMBLY WHEN TESTED ACCORDING TO ASTM E 814 OR ANSI/UL1479. REFER TO ARCHTIECTURAL DRAWINGS FOR RATINGS OF FIRE RATED ASSEMBLIES.
- 26. ISOLATION OR SERVICE SHUT-OFF VALVES SHALL BE INSTALLED ON ALL PIPING TO ALL
- 27. PROVIDE HEAT TRAPS ON SUPPLY AND DISCHARGE PIPING FOR ALL POINT-OF-USE WATER HEATERS PER CURRENT WSEC C404.4.
- 28. PRESSURE RELIEF VALVES SHALL BE INSTALLED AT POINTS REQUIRED BY CODE AND WHERE REQUIRED FOR PROTECTION OF EQUIPMENT AND PIPING.
- WHERE REQUIRED FOR PROTECTION OF EQUIPMENT AND PIPING.

 29. ISOLATION VALVES SHALL BE EASILY ACCESSIBLE. SUPPLY ACCESS HATCHES WHERE REQUIRED.
- 30. INSTALL AIR ELIMINATORS AT HIGH POINTS IN THE PLUMBING SYSTEM WHERE NO FIXTURE IS AVAILABLE TO VENT TRAPPED AIR IN THE CW, HW, OR HWR PIPE SYSTEMS. TACO HYVENT OR EQUAL. PROVIDE DROP PAN UNDER EACH.
- 31. UNIONS: INSTALL AT POINTS NECESSARY TO DISCONNECT PIPING FOR REPAIRS AND MAINTENANCE. INSTALL VALVES AND UNIONS AT CONNECTIONS TO TANKS AND EQUIPMENT. MAKE CONNECTIONS BETWEEN PIPES OF DISSIMILAR METALS WITH INSULATING UNIONS.
- 32. NIPPLES: CLOSE NIPPLES ARE NOT PERMITTED. FOR SHORT PIPE CONNECTIONS USE STANDARD SHORT NIPPLES OR BUSHINGS SO THAT DISASSEMBLY EASILY OCCUR.
- 33. ALL PLUMBING FIXTURES SHALL BE TRAPPED AND VENTED PER 2018 UPC.
- 34. GROUP ADJACENT VENTS AS ALLOWED BY CODE IN CEILING SPACE TO MINIMIZE ROOF PENETRATIONS.
- 35. COMMISSIONING: HOT WATER SUPPLY SYSTEM SHALL BE COMMISSIONED IN ACCORDANCE WITH C408.4 IN CURRENT WSEC.

SPECIFICATIONS

DIVISION 22 - PLUMBING

DOMESTIC WATER AND DRAINAGE

A. PIPING SYSTEMS

ALL PIPING, VALVES, SOLDER, SEALANTS, PUMPS AND ACCESSORIES THAT ARE PART OF THE DOMESTIC WATER SYSTEM SHALL COMPLY WITH NSF-61.

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. PEX UPONOR OR EQUAL ON 1"Ø OR SMALLER AS APPROVED ALTERNATE. UPSIZE PIPE AS REQUIRED PER UPC WHEN USING PEX TO ACCOUNT FOR INCREASED VELOCITY.

SMALL VALVES: 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

CHECK VALVES IN COPPER TUBING: BRONZE BODY AND DISC, SOLDERED JOINT END CONNECTIONS, HORIZONTAL SWING CHECK, SCREWED CAP, 125 WSP, 200 WOG.

VENT CAPS: FOUR POUND SHEET LEAD FLASHING AND COUNTER-FLASHING NOT LESS THAN 16" SQUARE. COUNTERFLASHING SHALL TURN DOWN INSIDE THE VENT NO LESS THAN 1".

VACUUM BREAKERS: (WHERE REQUIRED, LOCATED BY CONTRACTOR)

1. ANTI-SIPHON: BRASS BODY AND INTERNAL TRIM WATTS NO. LF288A OR EQUAL.

2. ANTI-SIPHON PRESSURE TYPE: WATTS 800 SERIES OR EQUAL.

PIPING EXPANSION JOINTS:

FLEXIBLE-HOSE EXPANSION JOINTS FOR COPPER PIPING: COPPER-ALLOY FITTINGS WITH SOLDER- JOINT END CONNECTIONS.

NPS 2 AND SMALLER: BRONZE HOSES AND SINGLE-BRAID BRONZE SHEATHS WITH 450 PSIG AT 70 DEG F AND 340 PSIG AT 450 DEG F RATINGS.

NPS 2-1/2 TO NPS 4: STAINLESS-STEEL HOSES AND SINGLE-BRAID, STAINLESS-STEEL

SHEATHS WITH 300 PSIG AT 70 DEG F AND 225 PSIG AT 450 DEG F RATINGS.

FLEXIBLE-HOSE EXPANSION JOINTS FOR STEEL PIPING: CARBON-STEEL FITTINGS

WITH THREADED END CONNECTIONS FOR NPS 2 AND SMALLER AND FLANGED OR

WELD END CONNECTIONS FOR NPS 2-1/2 AND LARGER.

NPS 2 AND SMALLER: STAINLESS-STEEL HOSES AND SINGLE-BRAID, STAINLESS-STEEL SHEATHS WITH 450 PSIG AT 70 DEG F AND 325 PSIG AT 600 DEG F RATINGS.

NPS 2-1/2 TO NPS 6: STAINLESS-STEEL HOSES AND SINGLE-BRAID, STAINLESS-STEEL SHEATHS WITH 200 PSIG AT 70 DEG F AND 145 PSIG AT 600 DEG F RATINGS.

NPS 8 TO NPS 12: STAINLESS-STEEL HOSES AND SINGLE-BRAID, STAINLESS-STEEL SHEATHS WITH 125 PSIG AT 70 DEG F AND 90 PSIG AT 600 DEG F RATINGS.

METRAFLEX OR EQUAL.

ALTERNATIVE WASTE AND VENT PIPING: AT CONTRACTOR'S OPTION TO BE VERIFIED WITH OWNER, POLYVINYL CHLORIDE (PVC), ASTM D 2665, OR ACRYLONITRILE-BUTADIENE-STYRENE (ABS), ASTM D 2661 PIPE AND FITTINGS MAY BE SUBSTITUTED FOR CAST IRON WASTE AND VENT PIPING. IF PLASTIC PIPE IS SUBSTITUTED, CONTRACTOR SHALL PROVIDE ALL NECESSARY ADAPTERS TO ACCOMMODATE SPECIFIED PIPING SPECIALTIES, ACCESSORIES, FIXTURE SUPPORTS, AND DRAINS. PLASTIC PIPING SHALL NOT BE USED AS WASTE OR ROOF DRAIN PIPING MORE THAN 3 FEET ABOVE THE SLAB-ON-GRADE FLOOR.

PLUMBING ACCESSORIES AND EQUIPMENT

WATER HAMMER ARRESTORS: COPPER TUBE WITH PISTON PER ASSE 1010. SIOUX CHIEF MANUFACTURING OR EQUAL.

STRAINERS: 2-1/2 INCHES AND SMALLER, BRONZE, Y-PATTERN, THREADED ENDS, 20-MESH STAINLESS STEEL SCREEN; 250 PSI AT 210 F.

ESCUTCHEONS FOR PLUMBING PIPES: INSTALL CHROME PLATED ESCUTCHEONS WHERE EXPOSED PIPING PASSES THROUGH FLOORS, CEILINGS AND WALLS. PLATES PROVIDED FOR PIPES PASSING THROUGH SLEEVES THAT EXTEND ABOVE THE FLOOR SURFACE SHALL BE DEEP AND RECESSED TO CONCEAL PIPE SLEEVES.

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 STILL RESPONSIBLE FOR MEETING OR EXCEEDING THE QUALITY AND FEATURES OF THE SPECIFIED ITEMS.

PLUMBING FIXTURES

A. PLUMBING FIXTURE ACCESSORIES

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. WHERE FLOOR CONSTRUCTION IS WOOD, CARRIERS SHALL BE DESIGNED TO BE BRACED TO THE WALL FRAMING FOR ADDED RIGIDITY.

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.

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. SCS1202. 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.

B. PLUMBING FIXTURES

GENERAL: PROVIDE THE PLUMBING FIXTURES AS INDICATED 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.

PLUMBING ACCESSORIES AND EQUIPMENT

GREASE INTERCEPTOR: CAST IRON OR STEEL BODY WITH CORROSION-RESISTANT ENAMEL INTERIOR LINING AND EXTERNAL COATING WITH FLOW-CONTROL FITTING, FOR INTERCEPTING FATS, OILS OR GREASE FROM FOOD PREPARATION OR PROCESS WASTEWATER. PROVIDE EITHER ABOVE-FLOOR OR RECESSED FOR FLUSH-WITH-FLOOR INSTALLATION AS REQUIRED. ASME STANDARD A112.14.3. JR SMITH OR EQUAL.

INSULATION REQUIREMENTS

1. PIPE INSULATION REQUIREMENTS:

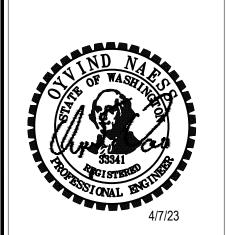
DOMESTIC COLD WATER: $1/2^\circ$ THICK ON 1° DIAMETER PIPE AND SMALLER. 1° THICK ON ALL PIPING LARGER THAN 1° DIAMETER.

DOMESTIC HOT WATER: 1" THICK ON 2" DIAMETER PIPING AND SMALLER.

1-1/2" THICK ON ALL PIPING OVER 2" DIAMETER. 1/2" INSULATION

ACCEPTABLE ON RUNOUTS UP TO 8 FEET IN LENGTH ROUTED IN WALLS TO PLUMBING FIXTURES.





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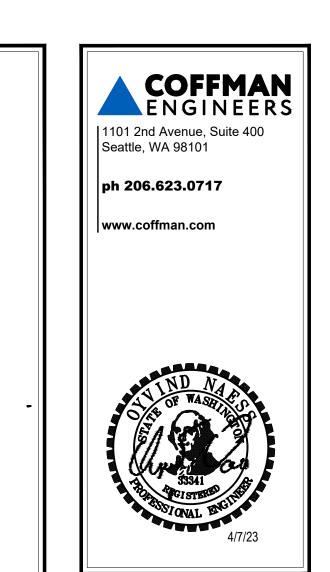
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PLUMBING FIXTURES								
			SERVIC	E PIPE SIZE		BASIS ()F DESIGN	
MARK	ITEM	WAS	TE VENT	C.W.	H.W.	MANUFACTURER	MODEL	REMARKS
L-1	HAND WASH SINK	2*	2"	1/2"	1/2"	BY ARCHITECT	BY ARCHITECT	SINGLE COMPARTMENT SINK.
		FAUCET				BY ARCHITECT	BY ARCHITECT	
L-2	DOUBLE SINK	2*	2"	1/2"	1/2"	BY ARCHITECT	BY ARCHITECT	DOUBLE COMPARTMENT SINK.
		FAUCET				BY ARCHITECT	BY ARCHITECT	
NOTES:								



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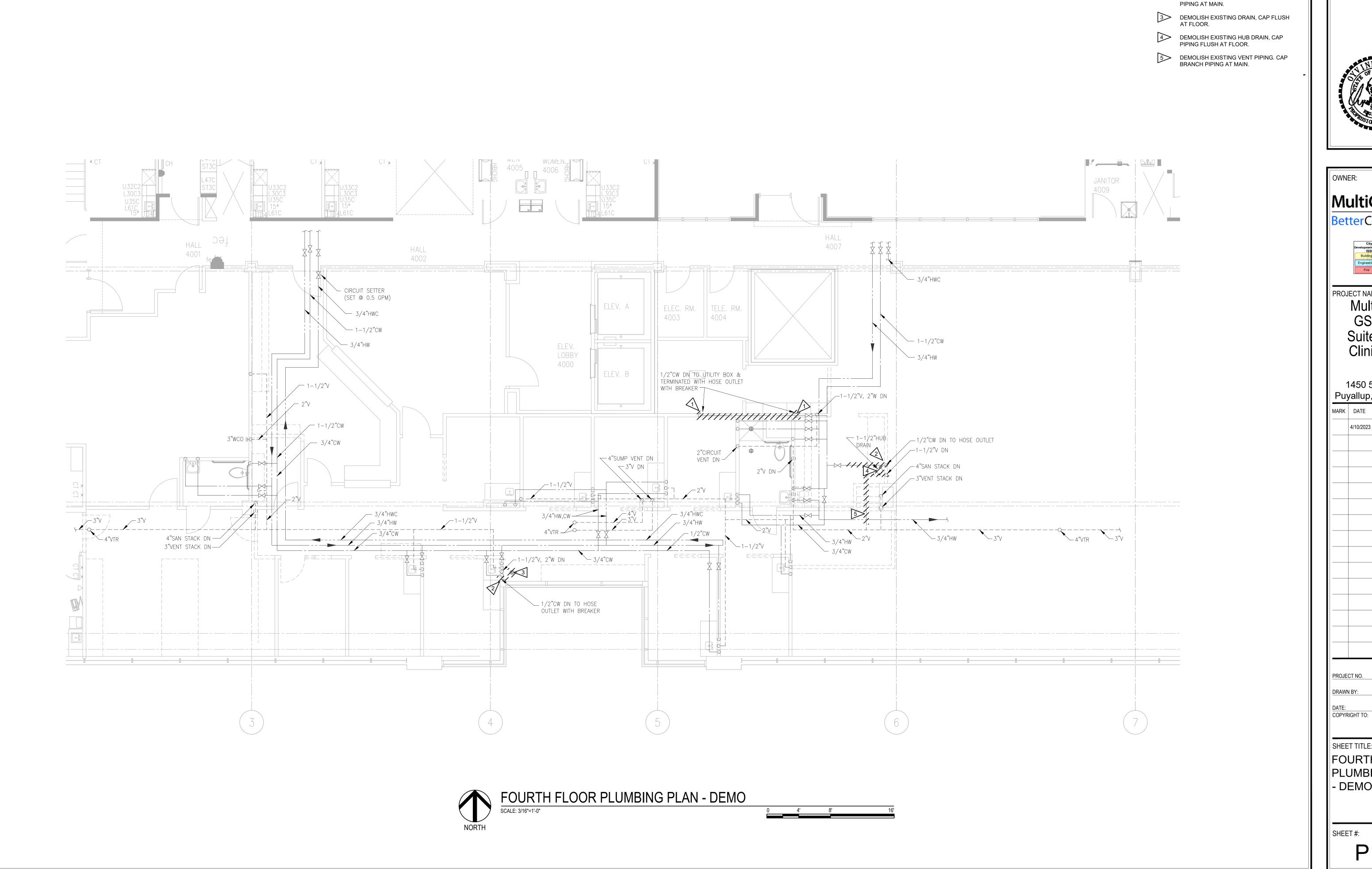
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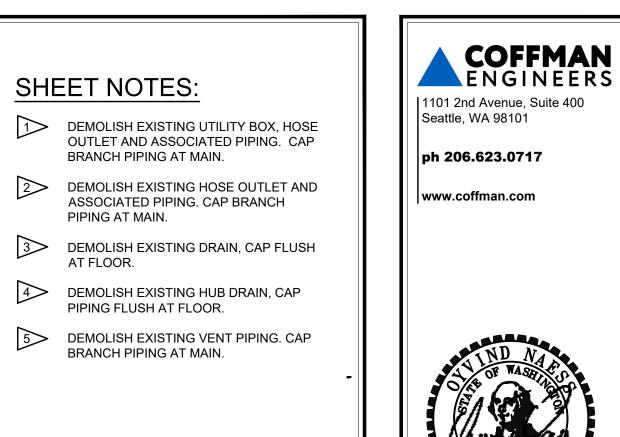
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SCHEDULES

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SHEET NOTES:

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City of Puyallup Development & Permitting Services /ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic
PROJECT NAME: MultiCare
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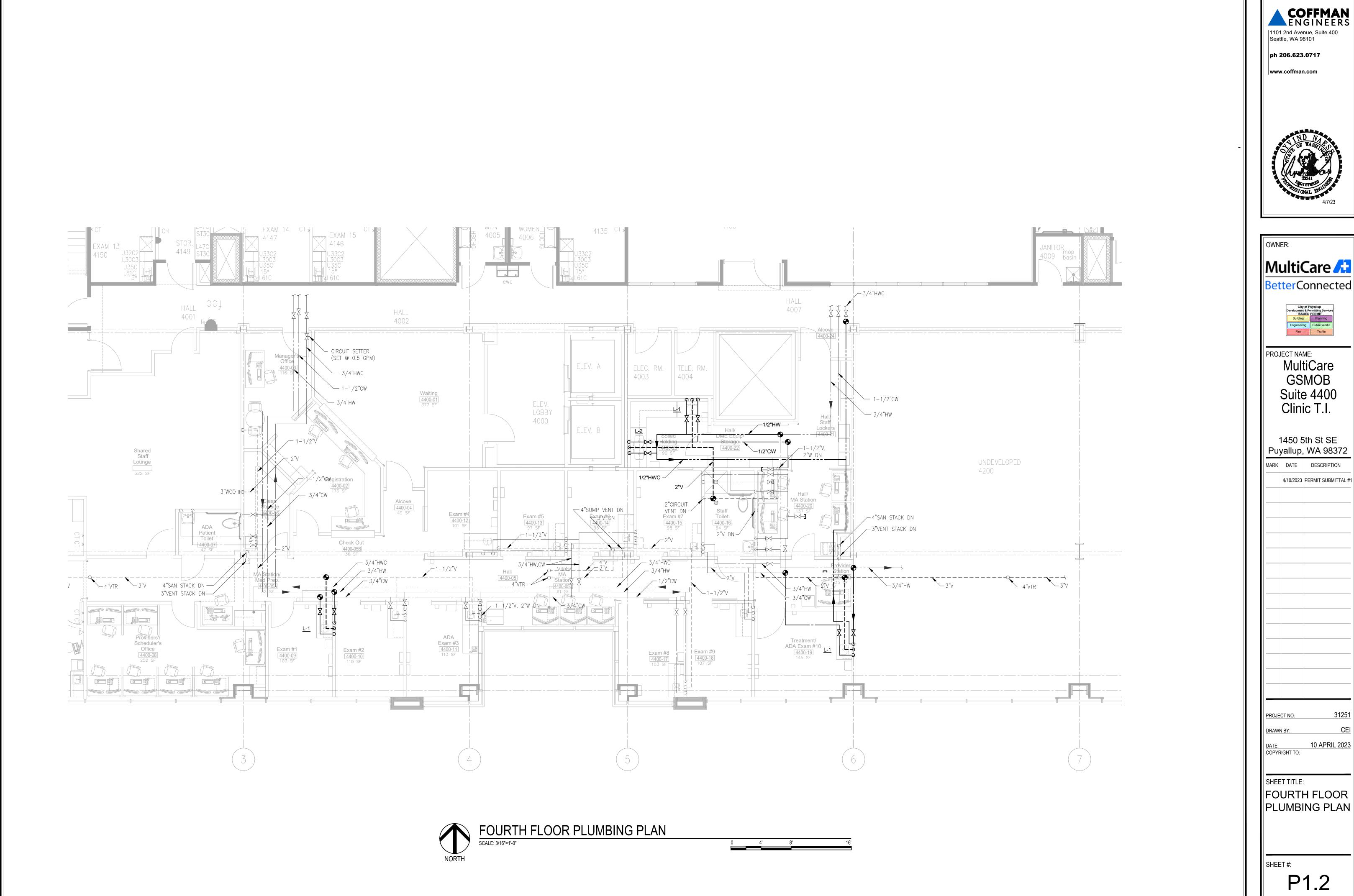
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SHEET TITLE: FOURTH FLOOR PLUMBING PLAN - DEMO

SHEET #:

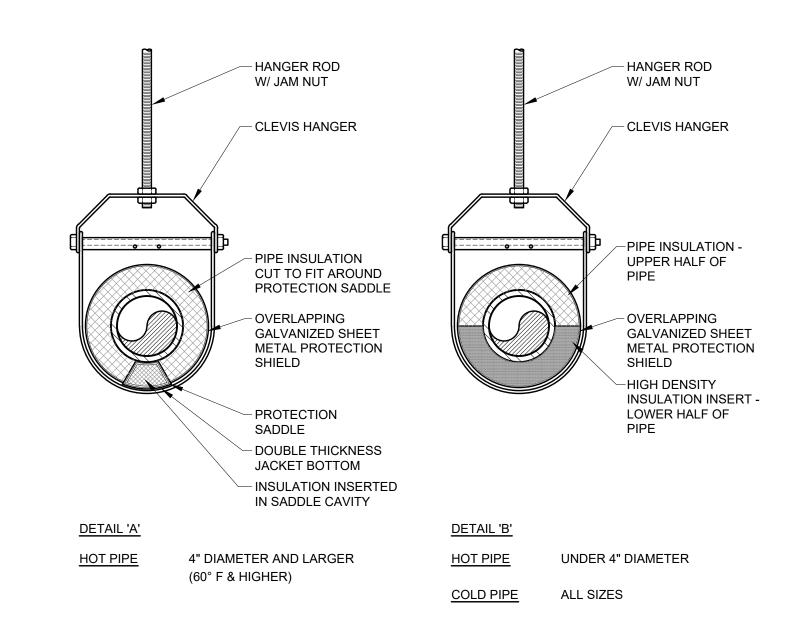




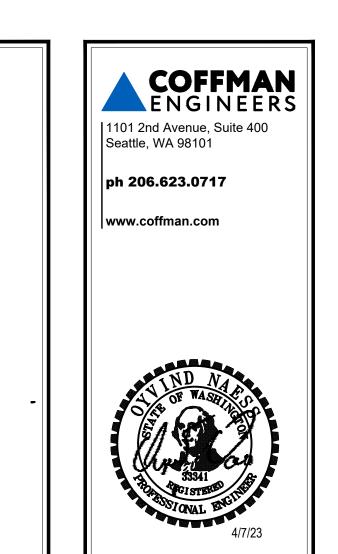
OVVINI	LIV.						
MultiCare ABBetterConnected							
	City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic						
MultiCare GSMOB Suite 4400 Clinic T.I.							
		oth St SE WA 98372					
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DRAWN		CEI					

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P1.2



1 TYPICAL PIPE HANGERS — INSULATED PIPE P3.1 SCALE: NTS



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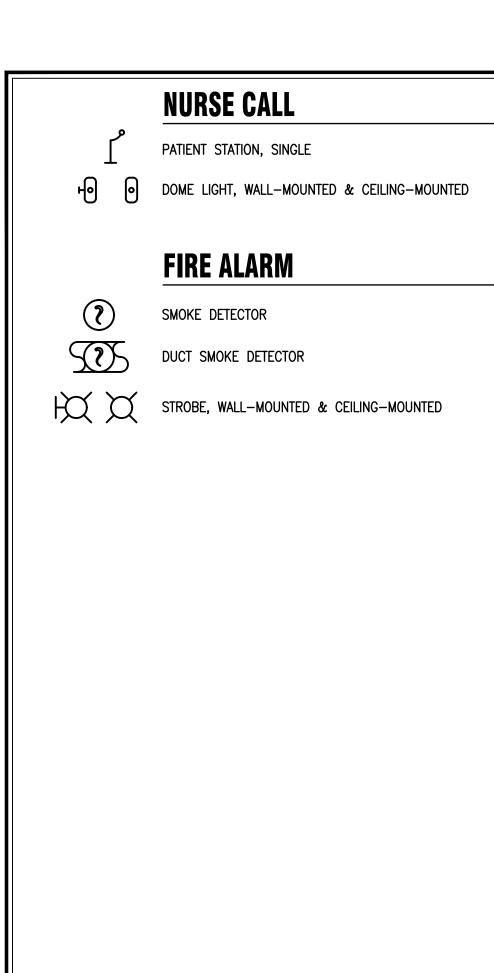
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DETAILS

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P3.1



CIRCUITS LIGHT FIXTURES

RECESSED, DTS

STRIP, LTS

SURFACE-MOUNTED, DTS

■ ● □ ● RECESSED DOWNLIGHT, DTS

SINGLE-POLE SWITCH

\$0 OCCUPANCY SENSOR SWITCH

DIMMER SWITCH

3-WAY SWITCH

■ a LOWER-CASE LETTER DENOTES SWITCH LEG

N/A EXIT SIGN, FILLED SIDE ILLUMINATED, DIRECTIONAL ARROWS AS INDICATED, NTS

LIGHTING CONTROLS

OCCUPANCY SENSOR, CEILING-MOUNTED

PHOTO SENSOR CONTROL, CEILING-MOUNTED

LOWER-CASE LETTER DENOTES CIRCUIT CONTROLLED

ONE-LINE DIAGRAM DTS=DRAWN TO SCALE NTS=NOT TO SCALE LTS=LENGTH ONLY TO SCALE, REFER TO FIXTURE SCHEDULE (A) AVAILABLE FAULT CURRENT IDENTIFICATION AMMETER AUTOMATIC TRANSFER SWITCH (ATS) CIRCUIT BREAKER CIRCUIT BREAKER, GFI CIRCUIT BREAKER, DRAWOUT ENGINE-GENERATOR FUSE OR CURRENT LIMITER FUSED SWITCH GROUND METER G RELAY, GFI SURGE PROTECTIVE DEVICE TRANSFORMER TRANSFORMER, CURRENT **EQUIPMENT** EQUIPMENT CONNECTION F F GROUND BAR, LENGTH TO SCALE TRANSFORMER CONTROLS

DISCONNECT SWITCH

FUSED DISCONNECT SWITCH

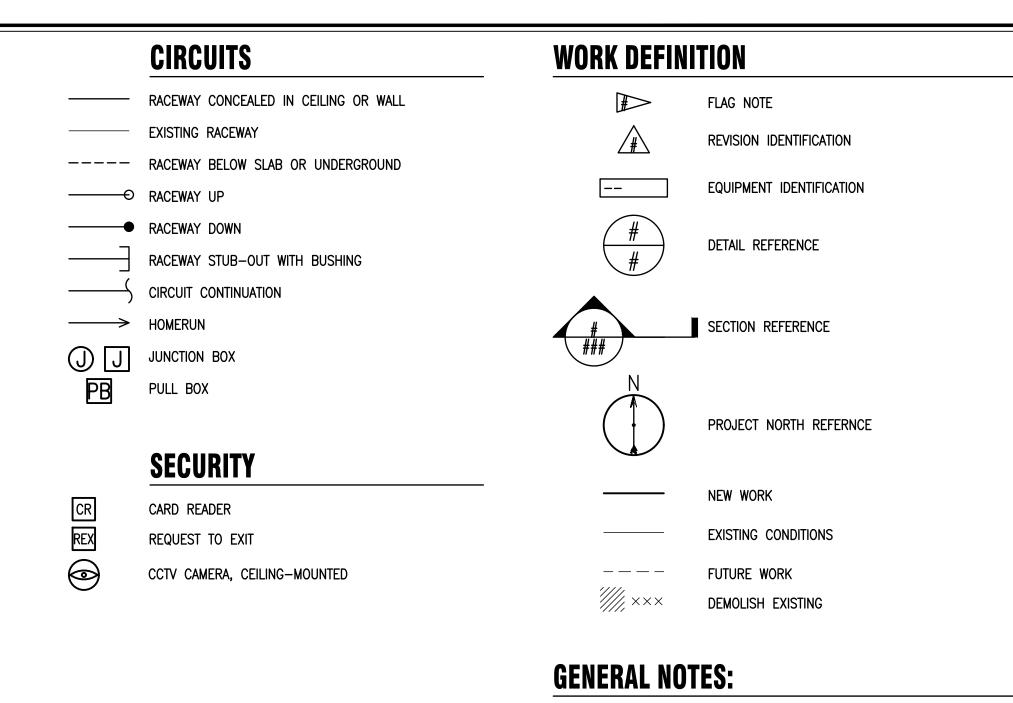
ENCLOSED CIRCUIT BREAKER

MOTOR-RATED TOGGLE SWITCH

AUTO DOOR PUSHPLATE

DATA OUTLET, # INDICATES QUANTITY OF JACKS ▼[#] VOICE OUTLET, # INDICATES QUANTITY OF JACKS $oldsymbol{ abla}^{\#/\#}$ combination data and voice outlet, # INDICATES QUANTITY OF JACKS VOICE/DATA WIRELESS ACCESS POINT CIRCUITS RECEPTACLES DUPLEX, 120V DOUBLE DUPLEX, 120V 4 208V OR 240V, SINGLE-PHASE DUPLEX, 120V, FLUSH FLOOR BOX RECEPTACLE TYPES MOUNTED 3" ABOVE COUNTER BACKSPLASH GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TAMPER RESISTANT ₩P GFCI WITH WEATHER PROOF COVER **PANELBOARDS** 208V SYSTEM PANELBOARD 480V SYSTEM PANELBOARD

TELECOM



1. ALL ELECTRICAL WORK AND MATERIALS ARE TO COMPLY WITH THE LATEST REQUIREMENTS OF ALL APPLICABLE CITY, COUNTY, AND STATE CODES AS WELL AS THE NATIONAL ELECTRICAL CODE AS ADOPTED AND AMENDED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

2. FOR EXACT LOCATIONS OF ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES, REFER TO THE ARCHITECTURAL DRAWINGS.

ABBREVIATIONS

STANDARD MOUNTING HEIGHTS

UNLESS OTHERWISE NOTED.

ELECTRICAL SYMBOLS AND ABBREVIATIONS

PARTIAL FOURTH FLOOR PLAN — POWER PARTIAL FOURTH FLOOR PLAN — LIGHTING

PARTIAL FOURTH FLOOR PLAN — LIGHTING

PARTIAL FOURTH FLOOR PLAN — SYSTEMS

ELECTRICAL SPECIFICATIONS

ELECTRICAL DETAILS ONE-LINE DIAGRAM

ELECTRICAL SCHEDULES

RECEPTACLES

CARD READER

SWITCHES

ELECTRICAL SHEET LIST

SHEET NUMBER

E0.0

E1.1

E2.1 E2.2

E3.1

E4.1

LOCATE DEVICES AS NOTED BELOW UNLESS OTHERWISE

INDICATED. OUTLET HEIGHTS ARE MEASURED FROM THE

18" VERTICALLY MOUNTED

43" VERTICALLY MOUNTED

FINISHED FLOOR TO THE CENTERLINE OF THE OUTLET

TELECOM OUTLET, DESK HANDSET 18" VERTICALLY MOUNTED

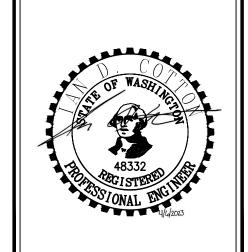
TELECOM OUTLET, WALL HANDSET 43" VERTICALLY MOUNTED

SHEET NAME

PARTIAL FOURTH FLOOR PLAN — ELECTRICAL DEMOLITION PARTIAL FOURTH FLOOR PLAN — LIGHTING DEMOLITION

A,AMP	AMPERE	LS	LIFE SAFETY
AC	3" ABOVE COUNTER	LTG	LIGHTING
	BACKSPLASH	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AHJ	AUTHORITY HAVING	MIN	MINIMUM
	JURISDICTION	MLO	MAIN LUGS ONLY
AIC	AMPERE INTERRUPTING	N	NEUTRAL
	CAPACITY	NEC	NATIONAL ELECTRICAL CODE
ATS	AUTOMATIC TRANSFER	NFPA	NATIONAL FIRE PROTECTION
	SWITCH		ASSOCIATION
AWG	AMERICAN WIRE GAUGE	NIC	NOT IN CONTRACT
BKR	BREAKER	NTS	NOT TO SCALE
С	CONDUIT	OCPD	OVERCURRENT PROTECTIVE
CB	CIRCUIT BREAKER		DEVICE
CKT	CIRCUIT	PB	PULLBOX
CLG	CEILING	PNL	PANEL, PANELBOARD
COMM	COMMUNICATIONS	PWR	POWER
CU	COPPER	RCP	REFLECTED CEILING PLAN
D	DATA	RCPT	RECEPTACLE
DTS	DRAWN TO SCALE	REF	REFRIGERATOR
G,GND	GROUND	SPECS	SPECIFICATIONS
GEN	GENERATOR	SW	SWITCH
GFI,GFCI	GROUND FAULT CIRCUIT	SWBD	
	INTERRUPTER	TELECOM	
HP	HORSEPOWER	TYP	TYPICAL
HTR	HEATER	UC	UNDER COUNTER
JB,J-BOX		V	VOLT OR VOICE
KV	KILOVOLT	W	WIRE, WATT, OR WALLPHONE
KVA	KILOVOLT AMPERE	WAP	WIRELESS ACCESS POINT
KW	KILOWATT	WP	WEATHERPROOF TRANSFORMER
KWH	KILOWATT HOUR	XFMR	TRANSFORMER
LED	LIGHT EMITTING DIODE	Ø	PHASE





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Be	tterConnected
	City of Puyallup Development & Permitting Services

Building Planning
Engineering Public Works

PROJECT NAME: MultiCare **GSMOB**

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1450 5th St SE Puyallup, WA 98372

MARK	DATE	DESCRIPTION				
	4/7/2023	CONSTRUCTION DOCUMENTS				

7 APRIL 2023

DATE: COPYRIGHT TO: InSight Healthcare Architecture

SHEET TITLE: ELECTRICAL

SYMBOLS AND ABBREVIATIONS

SHEET #:

ECTION 26 05 10 - EXISTING SYSTEMS:

PART 1 – GENERAL

1.1 INDICATED EXISTING SYSTEMS

- A. THE ELECTRICAL DRAWINGS SHOW PORTIONS OF THE EXISTING ELECTRICAL SYSTEMS WHICH ARE TO REMAIN, BE REMOVED OR BE MODIFIED. THE EXISTING INFORMATION IS DERIVED FROM RECORD DRAWINGS AND OTHER DATA OBTAINED FROM OR WITH THE PERMISSION OF THE OWNER. WHERE INDICATED, CONCEALED SYSTEMS ARE ALSO DERIVED FROM RECORD DRAWINGS AND THE ENGINEER'S BEST JUDGMENT OF THE CONFIGURATION.
- THE CONTRACTOR SHALL INSPECT THE EXISTING INSTALLATION PRIOR TO BIDDING AND SHALL JUDGE THE WORK REQUIRED. INSPECTION SHALL INCLUDE AREAS WITHIN AND ADJACENT TO THE WORK OF ANY DISCIPLINE OR TRADE PERFORMING WORK FOR THE CONTRACT.
- C. THE COMPLETE EXTENT OF THE EXISTING SYSTEMS COULD NOT BE VERIFIED DURING CREATION OF THE CONSTRUCTION DOCUMENTS. UNLESS THE CONTRACTOR'S INSPECTION OF THE EXISTING SYSTEM DETERMINES A GREATER AMOUNT, THE CONTRACTOR SHALL ASSUME THERE IS 20% MORE EXISTING ELECTRICAL SYSTEMS THAN WHAT IS INDICATED ON THE CONTRACT DRAWINGS.

1.1 POWER OUTAGES

- A. IT IS REQUIRED THAT THE CONTRACTOR FULLY SCHEDULE ELECTRICAL SYSTEM(S) OUTAGES WITH THE OWNER. CONTRACTOR SHALL WORK CLOSELY WITH OWNER TO ASSURE THE OWNER FULLY UNDERSTANDS THE EXTENT OF EACH OUTAGE. OWNER MAINTAINS THE RIGHT TO LIMIT THE EXTENT AND LENGTH OF ANY GIVEN OUTAGE. ASSUME ALL OUTAGES TO ELECTRICAL SYSTEM(S) IN OWNER OCCUPIED AREAS WILL REQUIRE PREMIUM TIME AND THAT TEMPORARY ELECTRICAL WORK MAY BE REQUIRED TO LIMIT THE DURATION OF OUTAGES.
- . CUTOVERS MUST MAKE ALTERNATIVE ARRANGEMENTS TO DELIVER POWER TO THE LOAD AT ALL TIMES UNLESS OTHERWISE NOTED BY THE OWNER.

PART 2 - PRODUCTS

2.1 EXISTING MATERIALS

- A. ALL MATERIALS WHICH ARE A PART OF THE BUILDING SHALL REMAIN THE PROPERTY OF THE OWNER.
- 2.2 EXISTING MATERIALS TO BE REINSTALLED
- A. EXISTING MATERIALS AND EQUIPMENT (EXCEPT INTERIOR, UNDAMAGED RACEWAYS) THAT ARE REMOVED AS A PART OF THE WORK OR STORED IN SURPLUS SHALL NOT BE REINSTALLED AS A PART OF THE NEW SYSTEMS UNLESS SPECIFICALLY NOTED OR AUTHORIZED IN WRITING BY THE OWNER. FORWARD A COPY OF THE AUTHORIZATION TO THE ENGINEER. THE REQUIREMENTS OF THE SPECIFICATIONS (I.E., CONDITION, INSTALLATION, TESTING, ETC.) SHALL APPLY AS IF THE MATERIALS WERE NEW, FURNISHED BY THE CONTRACTOR.
- 2.3 EXISTING MATERIALS NOT TO BE REINSTALLED
- A. IN COORDINATION WITH THE ARCHITECT, THESE MATERIALS SHALL BE MADE AVAILABLE FOR INSPECTION AND DECISION AS TO WHETHER THE OWNER WILL RETAIN POSSESSION. ITEMS SELECTED FOR RETENTION SHALL BE TURNED OVER TO THE OWNER. THESE ITEMS SHALL BE DELIVERED TO A LOCATION ON THE PREMISES SELECTED BY THE OWNER. TAKE REASONABLE CARE TO AVOID DAMAGE TO THIS MATERIAL. IF THE CONTRACTOR FAILS TO CONFORM TO THIS REQUIREMENT, CONTRACTOR SHALL PURCHASE AND TURN OVER TO THE OWNER REPLACEMENT MATERIAL OF LIKE KIND AND QUANTITY.
- B. ALL MATERIAL NOT SELECTED FOR RETENTION BY THE OWNER AND DEBRIS SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR

PART 3 - EXECUTION

3.1 EXISTING CONDITIONS

- A. FIELD TRACE ALL EXISTING CIRCUITRY AFFECTED BY THE PROJECT TO DETERMINE:
- 1. SOURCE OF SUPPLY OR INFORMATION COLLECTION POINT WITHIN THE PROJECT AREA 2. LOAD OR TERMINATION WITHIN THE PROJECT AREA
- 3. LOAD OR TERMINATION OUTSIDE THE PROJECT AREA, BUT SUPPLIED FROM OR CONNECTED TO EQUIPMENT WITHIN THE PROJECT AREA
- 4. LOADS SUPPLIED FROM AND LOCATED OUTSIDE OF THE PROJECT AREA BUT HAVE CIRCUITRY WITHIN THE PROJECT AREA.
- 5. PROVIDE UPDATED PANEL SCHEDULES FOR AFFECTED PANELBOARDS ALONG WITH EXISTING CIRCUIT INFORMATION FOR ALL DEVICES/LOADS THAT ARE MAINTAINED IN SERVICE INSIDE THE PROJECT AREA OR FOR DEVICES THAT REQUIRED TEMPORARY SERVICES OUTSIDE THE PROJECT AREA NORMALLY SUPPLIED BY THE AFFECTED PANELBOARD. UPDATED PANEL SCHEDULES AND AS-BUILT MARK-UP DRAWINGS OF EXISTING CONDITIONS SHALL BE PROVIDED TO THE OWNER AND ENGINEER.

SECTION 26 05 19 - LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

PART 1 – GENERAL 1.1 SUMMARY

- A. SECTION INCLUDES:
- 1. BUILDING WIRES AND CABLES RATED 600 V AND LESS.
- 2. CONNECTORS, SPLICES, AND TERMINATIONS RATED 600 V AND LESS.

PART 2 - PRODUCTS

- CONDUCTORS AND CABLES
- N. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
- 1. ALCAN PRODUCTS CORPORATION; ALCAN CABLE DIVISION.
- 2. ALPHA WIRE.
- 3. BELDEN INC. 4. ENCORE WIRE CORPORATION.
- GENERAL CABLE TECHNOLOGIES CORPORATION.
- SOUTHWIRE INCORPORATED.
- B. COPPER CONDUCTORS: COMPLY WITH NEMA WC 70/ICEA S-95-658.
- C. CONDUCTOR INSULATION: COMPLY WITH NEMA WC 70/ICEA S-95-658 FOR TYPE THHN-2-THWN-2 AND TYPE XHHW-2.

2.2 CONNECTORS AND SPLICES

- A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE
- FOLLOWING: 1. AFC CABLE SYSTEMS, INC.
- 2. GARDNER BENDER.
- 3. HUBBELL POWER SYSTEMS, INC.
- 4. IDEAL INDUSTRIES, INC. 5. ILSCO: A BRANCH OF BARDES CORPORATION.
- 6. NSI INDUSTRIES LLC.
- 7. O-Z/GEDNEY; A BRAND OF THE EGS ELECTRICAL GROUP.
- 8. 3M; ELECTRICAL MARKETS DIVISION. 9. TYCO ELECTRONICS.
- 10. OR APPROVED EQUIVALENT PRIOR TO BIDDING.
- B. DESCRIPTION: FACTORY-FABRICATED CONNECTORS AND SPLICES OF SIZE, AMPACITY RATING, MATERIAL, TYPE, AND CLASS FOR APPLICATION AND SERVICE INDICATED.

PART 3 — EXECUTION

- CONDUCTOR MATERIAL APPLICATIONS
- A. BRANCH CIRCUITS: COPPER. SOLID OR STRANDED FOR NO. 10 AWG AND SMALLER; STRANDED FOR NO. 8 AWG AND LARGER.
- 3.2 CONDUCTOR INSULATION AND MULTICONDUCTOR CABLE APPLICATIONS AND WIRING METHODS
- A. EXPOSED BRANCH CIRCUITS. INCLUDING IN CRAWLSPACES: TYPE THHN-2-THWN-2. SINGLE CONDUCTORS IN

B. BRANCH CIRCUITS CONCEALED IN CEILINGS, WALLS, AND PARTITIONS: TYPE THHN-2-THWN-2, SINGLE CONDUCTORS IN RACEWAY. BRANCH CIRCUIT HOMERUNS SHALL BE SINGLE CONDUCTORS IN RACEWAY, TYPE MC CABLE NOT PERMITTED FOR BRANCH CIRCUIT.

<u>SECTION 26 27 26 — WIRING DEVICES</u>

- PART 1 GENERAL
- A. SECTION INCLUDES: 1. RECEPTACLES, RECEPTACLES WITH INTEGRAL GFCI, AND ASSOCIATED DEVICE PLATES.
- WALL-BOX MOTION SENSORS.
- TAMPER-RESISTANT RECEPTACLES
- 4. WEATHER RESISTANT RECEPTACLES. 5. SNAP SWITCHES AND WALL-BOX DIMMERS.

1.2 ADMINISTRATIVE REQUIREMENTS

- A. RECEPTACLES FOR OWNER-FURNISHED EQUIPMENT: MATCH PLUG CONFIGURATIONS.
- B. SOURCE LIMITATIONS: OBTAIN EACH TYPE OF WIRING DEVICE AND ASSOCIATED WALL PLATE FROM SINGLE SOURCE FROM SINGLE MANUFACTURER.

1.3 ACTION SUBMITTALS

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT

2.1 MANUFACTURERS

- A. MANUFACTURERS' NAMES: SHORTENED VERSIONS (SHOWN IN PARENTHESES) OF THE FOLLOWING MANUFACTURERS' | 2.7 FINISHES NAMES ARE USED IN OTHER PART 2 ARTICLES:
- 1. COOPER WIRING DEVICES; DIVISION OF COOPER INDUSTRIES, INC. (COOPER). 2. HUBBELL INCORPORATED; WIRING DEVICE-KELLEMS (HUBBELL)
- LEVITON MFG. COMPANY INC. (LEVITON).
- 4. PASS & SEYMOUR/LEGRAND (PASS & SEYMOUR)

2.2 GENERAL WIRING-DEVICE REQUIREMENTS

- A. WIRING DEVICES, COMPONENTS, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
- B. MODULAR PLUG IN CONNECTOR TYPE
- I. HOSPITAL GRADE (20 AMP): DUPLEX NEMA 5-20R CONFIGURATION (20 AMP, 120 VOLT), NYLON FACE WITH PLUG IN CONNECTOR TO ALLOW RECEPTACLE TO BE REPLACED WITH THE CIRCUIT ENERGIZED. COOPER 8300_M, HUBBELL SNAP8300I, LEVITON M8300-I, PASS & SEYMOUR PT8300-I.

C. BACK AND SIDE WIRED TYPE

- . HOSPITAL GRADE (20 AMP): DUPLEX NEMA 5-20R CONFIGURATION (20 AMP, 120 VOLT), NYLON FACE COOPER 8300I, HUBBELL 8300I, LEVITON 8300-I, PASS & SEYMOUR 8300-HI
-). TAMPER-RESISTANT CONVENIENCE RECEPTACLES, 125 V, 20 A: COMPLY WITH NEMA WD 1, NEMA WD 6 CONFIGURATION 5-20R, UL 498 SUPPLEMENT SD, AND FS W-C-596. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
- 1. COOPER; TR8300. 2. HUBBELL; HBL8300SGA.
- 3. LEVITON; 8300-SGG. 4. PASS & SEYMOUR; TR63H.

E. GFCI RECEPTACLES

- A. GENERAL DESCRIPTION:
- 1. STRAIGHT BLADE, FEED-THROUGH TYPE.
- 2. COMPLY WITH NEMA WD 1, NEMA WD 6, UL 498, UL 943 CLASS A, AND FS W-C-596.
- 3. INCLUDE INDICATOR LIGHT THAT SHOWS WHEN THE GFCI HAS MALFUNCTIONED AND NO LONGER PROVIDES PROPER GFCI PROTECTION.

B. DUPLEX GFCI CONVENIENCE RECEPTACLES, 125 V, 20 A:

- 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING: a. CATALOG NUMBERS IN LIST BELOW ARE FOR FEED-THROUGH TYPES. ARRANGED TO PROTECT RECEPTACLES DOWNSTREAM ON THE SAME CIRCUIT; REVISE CATALOG NUMBERS IF NON-FEED-THROUGH
- TYPES ARE REQUIRED. b. COOPER: VGF20.
- c. HUBBELL; GFR5352L.
- d. PASS & SEYMOUR; 2095. e. LEVITON; 7590.

2.3 TOGGLE SWITCHES

- A. COMPLY WITH NEMA WD 1, UL 20, AND FS W-S-896.
- B. SWITCHES, 120/277 V, 20 A:
- 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS. PROVIDE ONE OF THE FOLLOWING:
- a. SINGLE POLE:
- 1) COOPER; AH1221. 2) HUBBELL; HBL1221.
- 3) LEVITON; 1221-2.
- 4) PASS & SEYMOUR; CSB20AC1.

2.4 WALL-BOX DIMMERS

- A. DIMMER SWITCHES: MODULAR, FULL-WAVE, SOLID-STATE UNITS WITH INTEGRAL, QUIET ON-OFF SWITCHES, WITH AUDIBLE FREQUENCY AND EMI/RFI SUPPRESSION FILTERS.
- B. CONTROL: CONTINUOUSLY ADJUSTABLE SLIDER; WITH SINGLE-POLE OR THREE-WAY SWITCHING. COMPLY WITH UL 1472.

2.5 OCCUPANCY SENSORS

- A. EACH MANUFACTURER'S SWITCH RATING IS DIFFERENT, BUT RATED DESIGN VALUES ARE GENERALLY NOT LESS THAN 800-VA FLUORESCENT AT 120 V, 1200-VA FLUORESCENT AT 277 V, AND 800-W INCANDESCENT.
- B. WALL-SWITCH SENSORS: 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
- 1.1. COOPER; 6111 FOR 120 V, 6117 FOR 277 V.
- 1.2. HUBBELL: WS1277. 1.3. LEVITON; ODS 10-ID.
- 1.4. PASS & SEYMOUR; WS3000.
- 1.5. WATT STOPPER (THE); WS-200.
- 2. DESCRIPTION: PASSIVE-INFRARED TYPE, 120/277 V, ADJUSTABLE TIME DELAY UP TO 30 MINUTES, 180-DEGREE FIELD OF VIEW, WITH A MINIMUM COVERAGE AREA OF 900 SQ. FT. (84 SQ. M).

C. WALL-SWITCH SENSORS:

- 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING: 1.1. HUBBELL; AT120 FOR 120 V, AT277 FOR 277 V.
- 1.2. LEVITON: ODS 15-ID.
- 2. DESCRIPTION: ADAPTIVE—TECHNOLOGY TYPE, 120/277 V, ADJUSTABLE TIME DELAY UP TO 20 MINUTES. 180-DEGREE FIELD OF VIEW, WITH A MINIMUM COVERAGE AREA OF 900 SQ. FT. (84 SQ. M).
- D. LONG-RANGE WALL-SWITCH SENSORS:
- 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING: 1.1. HUBBELL; ATD1600WRP.
- 1.2. LEVITON; ODW12-MRW.

- 1.3. WATT STOPPER (THE); DT-200. 2. DESCRIPTION: DUAL TECHNOLOGY, WITH BOTH PASSIVE-INFRARED- AND ULTRASONIC-TYPE SENSING, 120/277 V, ADJUSTABLE TIME DELAY UP TO 30 MINUTES, 110-DEGREE FIELD OF VIEW, AND A MINIMUM
- E. WIDE-RANGE WALL-SWITCH SENSORS:
- 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING: 1.1. HUBBELL; ATP120HBRP.
- 1.2. LEVITON; ODWHB-IRW.
- 1.3. PASS & SEYMOUR; HS1001 1.4. WATT STOPPER (THE); CX-100-3.

COVERAGE AREA OF 1200 SQ. FT. (111 SQ. M).

2. DESCRIPTION: PASSIVE—INFRARED TYPE, 120/277 V, ADJUSTABLE TIME DELAY UP TO 30 MINUTES, 150-DEGREE FIELD OF VIEW, WITH A MINIMUM COVERAGE AREA OF 1200 SQ. FT. (111 SQ. M).

2.6 WALL PLATES

- A. SINGLE AND COMBINATION TYPES SHALL MATCH CORRESPONDING WIRING DEVICES.
- 1. PLATE-SECURING SCREWS: METAL WITH HEAD COLOR TO MATCH PLATE FINISH. 2. MATERIAL FOR UNFINISHED SPACES: GALVANIZED STEEL OR SMOOTH, HIGH-IMPACT THERMOPLASTIC.
- B. WET-LOCATION, WEATHERPROOF COVER PLATES: NEMA 250, COMPLYING WITH TYPE 3R, WEATHER-RESISTANT THERMOPLASTIC WITH LOCKABLE COVER.

- A. DEVICE COLOR: WIRING DEVICES CONNECTED TO NORMAL POWER SYSTEM: IVORY UNLESS OTHERWISE INDICATED
- OR REQUIRED BY NFPA 70 OR DEVICE LISTING. B. WALL PLATE COLOR: FOR PLASTIC COVERS: IVORY.

PART 3 - EXECUTION

- 3.1 INSTALLATION
- A. COMPLY WITH NECA 1, INCLUDING MOUNTING HEIGHTS LISTED IN THAT STANDARD, UNLESS OTHERWISE INDICATED.
- B. COORDINATION WITH OTHER TRADES: PROTECT INSTALLED DEVICES AND THEIR BOXES. DO NOT PLACE WALL FINISH MATERIALS OVER DEVICE BOXES AND DO NOT CUT HOLES FOR BOXES WITH ROUTERS THAT ARE GUIDED BY RIDING AGAINST OUTSIDE
- 2. KEEP OUTLET BOXES FREE OF PLASTER, DRYWALL JOINT COMPOUND, MORTAR, CEMENT, CONCRETE, DUST,
- PAINT, AND OTHER MATERIAL THAT MAY CONTAMINATE THE RACEWAY SYSTEM, CONDUCTORS, AND CABLES. 3. INSTALL DEVICE BOXES IN BRICK OR BLOCK WALLS SO THAT THE COVER PLATE DOES NOT CROSS A JOINT UNLESS THE JOINT IS TROWELED FLUSH WITH THE FACE OF THE WALL

4. INSTALL WIRING DEVICES AFTER ALL WALL PREPARATION, INCLUDING PAINTING, IS COMPLETE.

- C. CONDUCTORS: 1. DO NOT STRIP INSULATION FROM CONDUCTORS UNTIL RIGHT BEFORE THEY ARE SPLICED OR TERMINATED ON
- 2. STRIP INSULATION EVENLY AROUND THE CONDUCTOR USING TOOLS DESIGNED FOR THE PURPOSE. AVOID SCORING OR NICKING OF SOLID WIRE OR CUTTING STRANDS FROM STRANDED WIRE.

3. THE LENGTH OF FREE CONDUCTORS AT OUTLETS FOR DEVICES SHALL MEET PROVISIONS OF NFPA 70,

ARTICLE 300, WITHOUT PIGTAILS.

- D. DEVICE INSTALLATION: 1. REPLACE DEVICES THAT HAVE BEEN IN TEMPORARY USE DURING CONSTRUCTION AND THAT WERE INSTALLED BEFORE BUILDING FINISHING OPERATIONS WERE COMPLETE.
- 2. KEEP EACH WIRING DEVICE IN ITS PACKAGE OR OTHERWISE PROTECTED UNTIL IT IS TIME TO CONNECT
- 3. DO NOT REMOVE SURFACE PROTECTION, SUCH AS PLASTIC FILM AND SMUDGE COVERS, UNTIL THE LAST POSSIBLE MOMENT. 4. CONNECT DEVICES TO BRANCH CIRCUITS USING PIGTAILS THAT ARE NOT LESS THAN 6 INCHES (152 MM) IN
- 5. WHEN THERE IS A CHOICE, USE SIDE WIRING WITH BINDING-HEAD SCREW TERMINALS. WRAP SOLID CONDUCTOR TIGHTLY CLOCKWISE, TWO-THIRDS TO THREE-FOURTHS OF THE WAY AROUND TERMINAL SCREW.
- WHEN CONDUCTORS LARGER THAN NO. 12 AWG ARE INSTALLED ON 15- OR 20-A CIRCUITS, SPLICE NO. 12 AWG PIGTAILS FOR DEVICE CONNECTIONS.

6. USE A TORQUE SCREWDRIVER WHEN A TORQUE IS RECOMMENDED OR REQUIRED BY MANUFACTURER.

8. TIGHTEN UNUSED TERMINAL SCREWS ON THE DEVICE. 9. WHEN MOUNTING INTO METAL BOXES, REMOVE THE FIBER OR PLASTIC WASHERS USED TO HOLD

DEVICE-MOUNTING SCREWS IN YOKES, ALLOWING METAL-TO-METAL CONTACT.

- E. RECEPTACLE ORIENTATION:
- 1. INSTALL GROUND PIN OF VERTICALLY MOUNTED RECEPTACLES UP, AND ON HORIZONTALLY MOUNTED RECEPTACLES TO THE LEFT. 2. INSTALL HOSPITAL-GRADE RECEPTACLES IN PATIENT-CARE AREAS WITH THE GROUND PIN OR NEUTRAL BLADE
- 3. DEVICE PLATES: DO NOT USE OVERSIZED OR EXTRA—DEEP PLATES. REPAIR WALL FINISHES AND REMOUNT OUTLET BOXES WHEN STANDARD DEVICE PLATES DO NOT FIT FLUSH OR DO NOT COVER ROUGH WALL

OPENING.

- F. DIMMERS:
- 1. INSTALL DIMMERS WITHIN TERMS OF THEIR LISTING.
- 2. VERIFY THAT DIMMERS USED FOR FAN SPEED CONTROL ARE LISTED FOR THAT APPLICATION. 3. INSTALL UNSHARED NEUTRAL CONDUCTORS ON LINE AND LOAD SIDE OF DIMMERS ACCORDING TO MANUFACTURERS' DEVICE LISTING CONDITIONS IN THE WRITTEN INSTRUCTIONS.
- G. ARRANGEMENT OF DEVICES: UNLESS OTHERWISE INDICATED, MOUNT FLUSH, WITH LONG DIMENSION VERTICAL AND WITH GROUNDING TERMINAL OF RECEPTACLES ON TOP. GROUP ADJACENT SWITCHES UNDER SINGLE. MULTIGANG WALL PLATES.

- 3.2 RECEPTACLES A. HOSPITAL GRADE: PROVIDE TAMPER RESISTANT HOSPITAL GRADE RECEPTACLES IN ALL PATIENT CARE AREAS, PATIENT CORRIDORS, PATIENT PREPARATION ROOMS, EXAM ROOMS AND WAITING ROOMS OR AREAS. PROVIDE
- HOSPITAL GRADE RECEPTACLES IN ALL OTHER AREAS. PROVIDE 20 AMP RECEPTACLES IN ALL LOCATIONS. B. PROVIDE EXTERIOR GFCI RECEPTACLE WITHIN 25'-0" OF EACH ROOF MOUNTED MECHANICAL EQUIPMENT, FOR ALL OUTDOOR RECEPTACLES, AND OTHER LOCATIONS SHOWN ON THE DRAWINGS.

A. INSTALL NON-FEED-THROUGH-TYPE GFCI RECEPTACLES WHERE PROTECTION OF DOWNSTREAM RECEPTACLES IS NOT REQUIRED.

3.3 GFCI RECEPTACLES

A. IDENTIFY EACH RECEPTACLE WITH PANELBOARD IDENTIFICATION AND CIRCUIT NUMBER. USE HOT, STAMPED, OR ENGRAVED MACHINE PRINTING WITH BLACK (NORMAL POWER) AND RED (EMERGENCY POWER) FILLED LETTERING

2. TEST INSTRUMENT FOR CONVENIENCE RECEPTACLES: DIGITAL WIRING ANALYZER WITH DIGITAL READOUT OR

ON FACE OF PLATE, AND DURABLE WIRE MARKERS OR TAGS INSIDE OUTLET BOXES. 3.5 FIELD QUALITY CONTROL A. PERFORM THE FOLLOWING TESTS AND INSPECTIONS: IN HEALTHCARE FACILITIES. PREPARE REPORTS THAT COMPLY

B. INSTALL GFCI RECEPTACLES WITHIN 6-FEET OF ANY WATER SOURCE OR BASIN (AS MEASURED FROM THE

ILLUMINATED DIGITAL-DISPLAY INDICATORS OF MEASUREMENT. 3. TESTS FOR CONVENIENCE RECEPTACLES:

WITH RECOMMENDATIONS IN NFPA 99.

CLOSEST EDGE OF BASIN) AS REQUIRED BY THE NEC AND WAC.

1. TEST INSTRUMENTS: USE INSTRUMENTS THAT COMPLY WITH UL 1436.

3.1. LINE VOLTAGE: ACCEPTABLE RANGE IS 105 TO 132 V. 3.2. PERCENT VOLTAGE DROP UNDER 15-A LOAD: A VALUE OF 6 PERCENT OR HIGHER IS UNACCEPTABLE.

GROUND IMPEDANCE: VALUES OF UP TO 2 OHMS ARE ACCEPTABLE.

- 3.3. GFCI TRIP: TEST FOR TRIPPING VALUES SPECIFIED IN UL 1436 AND UL 943.
 - 3.4. GROUND-FAULT RECEPTACLE CIRCUIT INTERRUPTER TESTS: TEST EACH RECEPTACLE OR BRANCH CIRCUIT BREAKER HAVING GROUND-FAULT CIRCUIT PROTECTION TO ASSURE THAT THE GROUND-FAULT CIRCUIT INTERRUPTER WILL NOT OPERATE WHEN SUBJECTED TO A GROUND-FAULT CURRENT OF LESS THAN 4 MILLIAMPERES AND WILL OPERATE WHEN SUBJECTED TO A GROUND-FAULT CURRENT EXCEEDING 6 MILLIAMPERES. PERFORM TESTING USING AN INSTRUMENT SPECIFICALLY DESIGNED AND MANUFACTURED FOR TESTING GROUND—FAULT CIRCUIT INTERRUPTERS. APPLY THE TEST TO THE RECEPTACLE. "TEST" BUTTON OPERATION WILL NOT BE ACCEPTABLE AS A SUBSTITUTE FOR THIS TEST. REPLACE RECEPTACLES THAT DO NOT SHUTOFF POWER WITH 7/1000 OF AN AMPERE WITHIN 1/40TH OF A SECOND AND RETEST. USING THE TEST PLUG, VERIFY THAT THE DEVICE AND ITS OUTLET BOX ARE SECURELY MOUNTED. TESTS SHALL BE DIAGNOSTIC, INDICATING DAMAGED CONDUCTORS, HIGH RESISTANCE AT THE CIRCUIT BREAKER. POOR CONNECTIONS. INADEQUATE FAULT CURRENT PATH. DEFECTIVE DEVICES, OR SIMILAR PROBLEMS. CORRECT CIRCUIT CONDITIONS, REMOVE MALFUNCTIONING UNITS AND REPLACE WITH NEW ONES, AND RETEST AS SPECIFIED ABOVE.

SECTION 26 51 00 - INTERIOR LIGHTING

PART 1 – GENERAL 1.1 SUMMARY

- A. SECTION INCLUDES:
- 1. INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS. 2. EXIT SIGNS.
- 1.2 ACTION SUBMITTALS
- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT
- 2.1 LIGHT FIXTURES
- A. MANUFACTURERS: PROVIDE LIGHT FIXTURES PER LIGHTING FIXTURE SCHEDULE AS INDICATED ON SHEET E7.1. ALTERNATE LIGHT FIXTURE SUBMITTALS SHALL BE APPROVED BY THE ENGINEER OF RECORD.

PART 3 - EXECUTION

- 3.1 INSTALLATION A. PROVIDE MOUNTING ACCESSORIES AND TRIMS AS REQUIRED FOR WALL AND CEILING CONSTRUCTION TYPES SHOWN IN FINISH SCHEDULE AND ON DRAWINGS.
- B. LIGHTING FIXTURES: SET LEVEL, PLUMB, AND SQUARE WITH CEILINGS AND WALLS UNLESS OTHERWISE INDICATED.
- C. VERIFY WEIGHT AND MOUNTING METHOD OF FIXTURES AND PROVIDE SUITABLE SUPPORTS. FIXTURE MOUNTING ASSEMBLIES SHALL COMPLY WITH LOCAL SEISMIC CODES AND REGULATIONS.

). REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION OF LIGHTING FIXTURE LOCATIONS WITH

MECHANICAL AND FIRE SAFETY EQUIPMENT. WHERE CONFLICTS OCCUR, COORDINATE WITH ARCHITECT PRIOR TO

INSTALLING ANY OF THE SYSTEMS.

FROM HEAT SINK FINS TO ENSURE PROPER DISSIPATION OF HEAT.

- E. INSTALL FIXTURES WITH VENT HOLES FREE OF AIR BLOCKING OBSTACLES. . LIGHTING FIXTURES LOCATED IN RECESSED CEILINGS WITH A FIRE RESISTIVE RATING OF 1—HOUR OR MORE
- SHALL BE ENCLOSED IN AN APPROVED FIRE-RESISTIVE RATED BOX EQUAL TO THAT OF THE CEILING.

BLEMISHED, DAMAGED OR UNSATISFACTORY FIXTURES OR ACCESSORIES SHALL BE REPLACED.

- G. ADJUST APERTURE RINGS ON ALL RECESSED FIXTURES TO BE FLUSH WITH THE FINISHED CEILING. H. ADJUST VARIABLE POSITION LAMPHOLDERS FOR PROPER LAMP POSITION PRIOR TO FIXTURE INSTALLATION
- J. VERIFY MOUNTING PROVISIONS AND OTHER REQUIREMENTS PRIOR TO ORDER OF LIGHT FIXTURES AND PROVIDE AS REQUIRED.

K. IN ACCESSIBLE SUSPENDED CEILINGS, PROVIDE 72" FLEXIBLE CONDUIT WIRING CONNECTION (FLEXIBLE TUBING

- NOT PERMITTED) FROM A RIGIDLY SUPPORTED JUNCTION BOX. .. ALL FINISHES SHALL BE UNMARRED UPON PROJECT COMPLETION. REPAIR OR REPLACE DAMAGED FINISHES.
- OCCUPANCY. N. DIFFUSERS AND ENCLOSURES: REMOVE PROTECTIVE PLASTIC COVERS FROM LIGHTING FIXTURE DIFFUSERS ONLY AFTER CONSTRUCTION WORK, PAINTING AND CLEAN-UP ARE COMPLETED. REMOVE ALL DIRTY LAMPS, REFLECTORS AND DIF-FUSERS; CLEAN AND REINSTALL. WHEN CLEANING "ALZAK" REFLECTORS, USE A MANUFACTURER RECOMMENDED CLEANING SOLUTION. REFLECTORS DAMAGED OR IMPREGNATED WITH

M. REPLACE ALL BURNED OUT OR INOPERATIVE LAMPS AT THE END OF THE CONSTRUCTION PRIOR TO OWNER

FINGERPRINTS SHALL BE REPLACED AT NO COST TO OWNER. O. FOR LED FIXTURES, WHETHER SURFACE MOUNTED OR RECESSED, REMOVE ALL CONSTRUCTION DIRT AND DUST

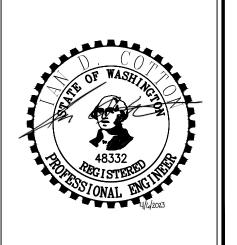
DIMMED. FOR AT LEAST 12 HOURS AT FULL VOLTAGE PER NEMA RECOMMENDATIONS OR AS REQUIRED BY FIXTURE MANUFACTURER.

3.2 CEILING LIGHT FIXTURE SUPPORT A. WHERE CEILING IS OF INSUFFICIENT STRENGTH TO SUPPORT WEIGHT OF LIGHTING FIXTURES INSTALLED, PROVIDE ADDITIONAL FRAMING TO SUPPORT AS REQUIRED.

P. STARTUP SERVICE: BURN-IN ALL LAMPS THAT REQUIRE SPECIFIC AGING PERIOD TO OPERATE PROPERLY, PRIOR

TO OCCUPANCY BY OWNER. BURN-IN FLUORESCENT AND COMPACT FLUORESCENT LAMPS INTENDED TO BE





OWNER: ||MultiCare 👫 BetterConnected

City of Puyallup
evelopment & Permitting Services
ISSUED PERMIT
Building Planning Engineering Public Works Fire Traffic PROJECT NAME:

Suite 4400 Clinic T.I

1450 5th St SE

MultiCare

Puy	/allup,	WA 98372
MARK	DATE	DESCRIPTION
	4/7/2023	CONSTRUCTION DOCUMENTS

31251 KMD DRAWN BY:

7 APRIL 2023

InSight Healthcare Architecture SHEET TITLE: **I**IELECTRICAL SPECIFICATIONS

SHEET #:

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GENERAL NOTES:

- 1. REFER TO E6.1 FOR ONE-LINE DIAGRAM.
- 2. EXISTING CIRCUIT INDICATED BASED ON RECORD DRAWINGS. FIELD VERIFY EXISTING CIRCUITS PRIOR TO WORK ON INDICATED DEVICES.
- 3. MAINTAIN EXISTING SYSTEMS NOT IDENTIFIED FOR DEMOLITION. MAINTAINING EXISTING SYSTEMS INCLUDES RELOCATING THE SYSTEMS TO COORDINATE WITH WORK OF THIS CONTRACT, WHEN WORK OF THIS CONTRACT CANNOT BE DONE WHILE THE EXISTING SYSTEM IS IN ITS PRESENT LOCATION.
- 4. ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS, EXCEPT RELOCATION OF WIRING OF #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY ARCHITECT OF WIRING LOCATION, REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK.
- 5. EXAMINE DRAWINGS OF ALL DISCIPLINES TO DETERMINE WHERE WORK OF OTHER TRADES WILL OR IS LIKELY TO REQUIRE RELOCATION OF EXISTING SYSTEMS. REMOVE AND RELOCATE ELECTRICAL EQUIPMENT IN THE WAY OF WORK OF OTHER TRADES. EXACT RELOCATION REQUIREMENT OF EXISTING SYSTEMS TO REMAIN TO BE BASED ON DETAILED COORDINATION WITH OTHER TRADES. CONTRACTOR TO PROVIDE PROPOSED LOCATIONS OF RELOCATED DEVICES TO OWNER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
- 7. RE-ROUTE EXISTING CIRCUITS THAT ARE AFFECTED AS A RESULT OF THIS CONTRACT THAT SERVE DEVICES TO REMAIN IN SERVICE. <u>POWER CIRCUITS:</u>
 - a. PRIOR TO DEMOLITION WORK, TRACE OUT AND IDENTIFY EACH BRANCH CIRCUIT AND FEEDER CIRCUIT THAT SERVES LOADS IN OCCUPIED AREAS.
 - b. PROVIDE TEMPORARY WIRING, SCHEDULE OUTAGE AND RECONNECT LOADS TO TEMPORARY WIRING.
 - c. PROVIDE NEW WIRING IN NEW LOCATION.
 - d. SCHEDULE OUTAGE, DISCONNECT TEMPORARY WIRING, AND CONNECT LOADS TO NEW WIRING. REMOVE TEMPORARY WIRING.
 - e. OUTAGE FOR EACH CIRCUIT SHALL NOT BE MORE THAN 20 MINUTES.

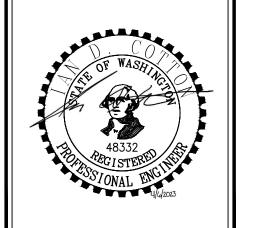
SIGNAL AND COMMUNICATION SYSTEMS:

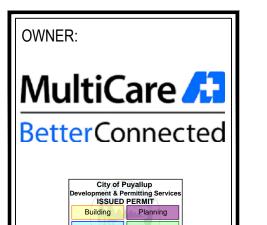
- a. PRIOR TO DEMOLITION TRACE OUT AND IDENTIFY DEVICE AND SYSTEMS BEING SERVED.
- b. PROVIDE TEMPORARY WIRING TO MAINTAIN OPERATION OF SYSTEM THROUGHOUT FACILITY.
- c. SCHEDULE OUTAGE AND CONNECT TO TEMPORARY WIRING AND TEST SYSTEM.
- d. PROVIDE NEW WIRING ON NEW LOCATION.
- e. SCHEDULE OUTAGE, DISCONNECT TEMPORARY WIRING, AND RECONNECT TO NEW WIRING. REMOVE TEMPORARY WIRING.

■ FLAG NOTES:

- 1. DEMOLISH EXISTING RECEPTACLE AND CONDUCTORS BACK TO NEAREST JUNCTION BOX. PROVIDE BLANK COVER PLATE AT EXISTING OUTLET BOX.
- 2. DEMOLISH EXISTING RECEPTACLE AND CONDUCTORS BACK TO NEAREST JUNCTION BOX. PROVIDE BLANK GASKETED COVER PLATE AT EXISTING FLOOR BOX.
- 3. DEMOLISH EXISTING RECEPTACLE. EXISTING CIRCUIT SHALL BE MAINTAINED AND CONNECTED TO NEW QUAD RECEPTACLE ON SAME WALL. REFER TO E1.1 FOR ADDITIONAL INFORMATION.







PROJECT NAME:

MultiCare

GSMOB

Suite 4400

Clinic T.I.

1450 5th St SE Puyallup, WA 98372

		otn St SE WA 98372
MARK	DATE	DESCRIPTION
	4/7/2023	CONSTRUCTION DOCUMENTS
		0405
PROJE	CT NO.	3125
1		178.41

DRAWN BY: KME

DATE: 7 APRIL 2023

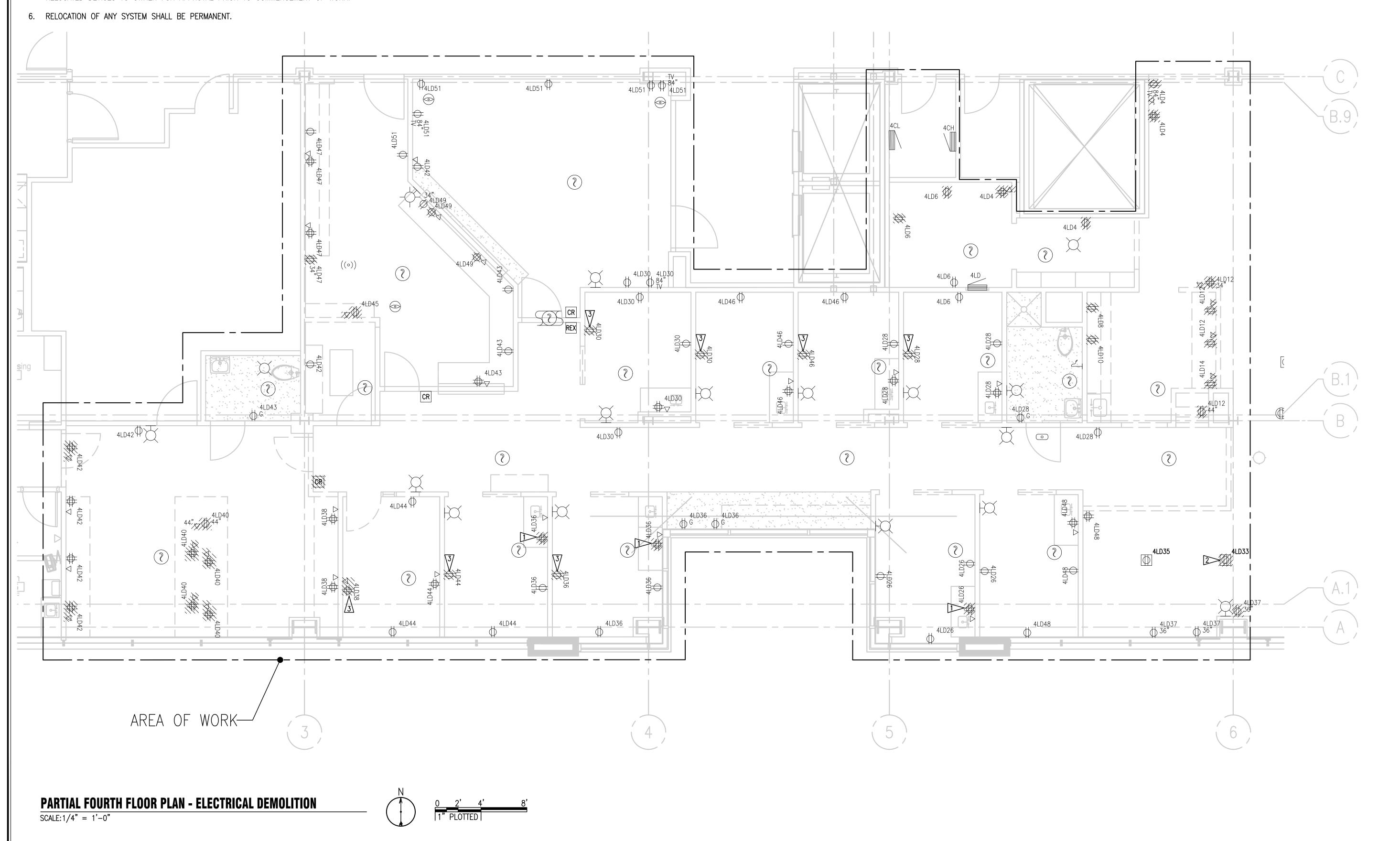
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SHEET TITLE:
PARTIAL
FOURTH FLOOR
PLAN ELECTRICAL
DEMOLITION

SHEET #:

ED1.1



GENERAL NOTES:

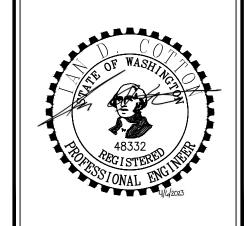
- 1. REFER TO E6.1 FOR ONE-LINE DIAGRAM.
- 2. EXISTING CIRCUIT INDICATED BASED ON RECORD DRAWINGS. FIELD VERIFY EXISTING CIRCUITS PRIOR TO WORK ON INDICATED DEVICES.
- 3. MAINTAIN EXISTING SYSTEMS NOT IDENTIFIED FOR DEMOLITION. MAINTAINING EXISTING SYSTEMS INCLUDES RELOCATING THE SYSTEMS TO COORDINATE WITH WORK OF THIS CONTRACT, WHEN WORK OF THIS CONTRACT CANNOT BE DONE WHILE THE EXISTING SYSTEM IS IN ITS PRESENT LOCATION.
- 4. ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS, EXCEPT RELOCATION OF WIRING OF #2 AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY ARCHITECT OF WIRING LOCATION, REASON IT MUST BE REMOVED AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK.
- 5. EXAMINE DRAWINGS OF ALL DISCIPLINES TO DETERMINE WHERE WORK OF OTHER TRADES WILL OR IS LIKELY TO REQUIRE RELOCATION OF EXISTING SYSTEMS. REMOVE AND RELOCATE ELECTRICAL EQUIPMENT IN THE WAY OF WORK OF OTHER TRADES. EXACT RELOCATION REQUIREMENT OF EXISTING SYSTEMS TO REMAIN TO BE BASED ON DETAILED COORDINATION WITH OTHER TRADES. CONTRACTOR TO PROVIDE PROPOSED LOCATIONS OF RELOCATED DEVICES TO OWNER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
- 7. RE-ROUTE EXISTING CIRCUITS THAT ARE AFFECTED AS A RESULT OF THIS CONTRACT THAT SERVE DEVICES TO REMAIN IN SERVICE. **POWER CIRCUITS:**
 - a. PRIOR TO DEMOLITION WORK, TRACE OUT AND IDENTIFY EACH BRANCH CIRCUIT AND FEEDER CIRCUIT THAT SERVES LOADS IN OCCUPIED
 - b. PROVIDE TEMPORARY WIRING, SCHEDULE OUTAGE AND RECONNECT LOADS TO TEMPORARY WIRING.
 - c. PROVIDE NEW WIRING IN NEW LOCATION.

 - d. SCHEDULE OUTAGE, DISCONNECT TEMPORARY WIRING, AND CONNECT LOADS TO NEW WIRING. REMOVE TEMPORARY WIRING.
 - e. OUTAGE FOR EACH CIRCUIT SHALL NOT BE MORE THAN 20 MINUTES.
- SIGNAL AND COMMUNICATION SYSTEMS:
 - a. PRIOR TO DEMOLITION TRACE OUT AND IDENTIFY DEVICE AND SYSTEMS BEING SERVED.
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 - c. SCHEDULE OUTAGE AND CONNECT TO TEMPORARY WIRING AND TEST SYSTEM.
 - d. PROVIDE NEW WIRING ON NEW LOCATION.
 - e. SCHEDULE OUTAGE, DISCONNECT TEMPORARY WIRING, AND RECONNECT TO NEW WIRING. REMOVE TEMPORARY WIRING.

₱ FLAG NOTES:

- 1. MAINTAIN AND PROTECT EXISTING FIXTURE, EQUIPMENT, OR DEVICE FOR RE-INSTALLATION AS INDICATED ON SHEET E2.1.
- 2. DEMOLISH EXISTING SWITCH. REFER TO E2.1 FOR REVISED LOCATION FOR NEW SWITCH TO CONTROL EXISTING LIGHT FIXTURES ON SWITCH LEG.
- 3. DEMOLISH EXISTING LIGHT SWITCHES. REFER TO E2.1 FOR REVISED SWITCH LOCATION TO CONTROL EXISTING SWITCH LEG LIGHT FIXTURES.







PROJECT NAME: MultiCare **GSMOB Suite 4400** Clinic T.I.

1450 5th St SE Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	4/7/2023	CONSTRUCTION DOCUMENTS
PROJE	CT NO.	31251
DRAWN	NBY:	KMD
DATE:		7 APRIL 2023

DEMOLITION SHEET #:

LIGHTING

DATE: COPYRIGHT TO:

SHEET TITLE:

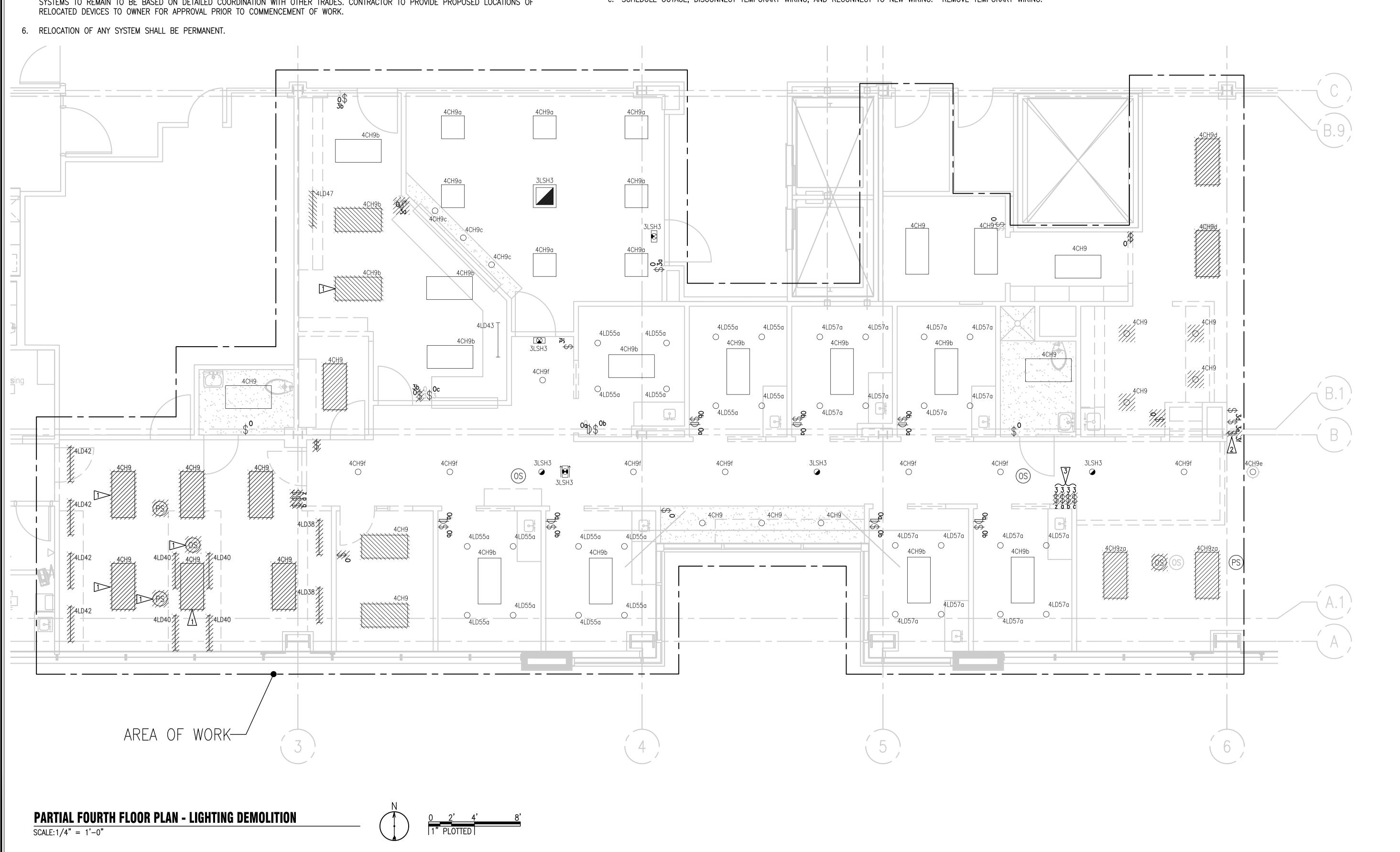
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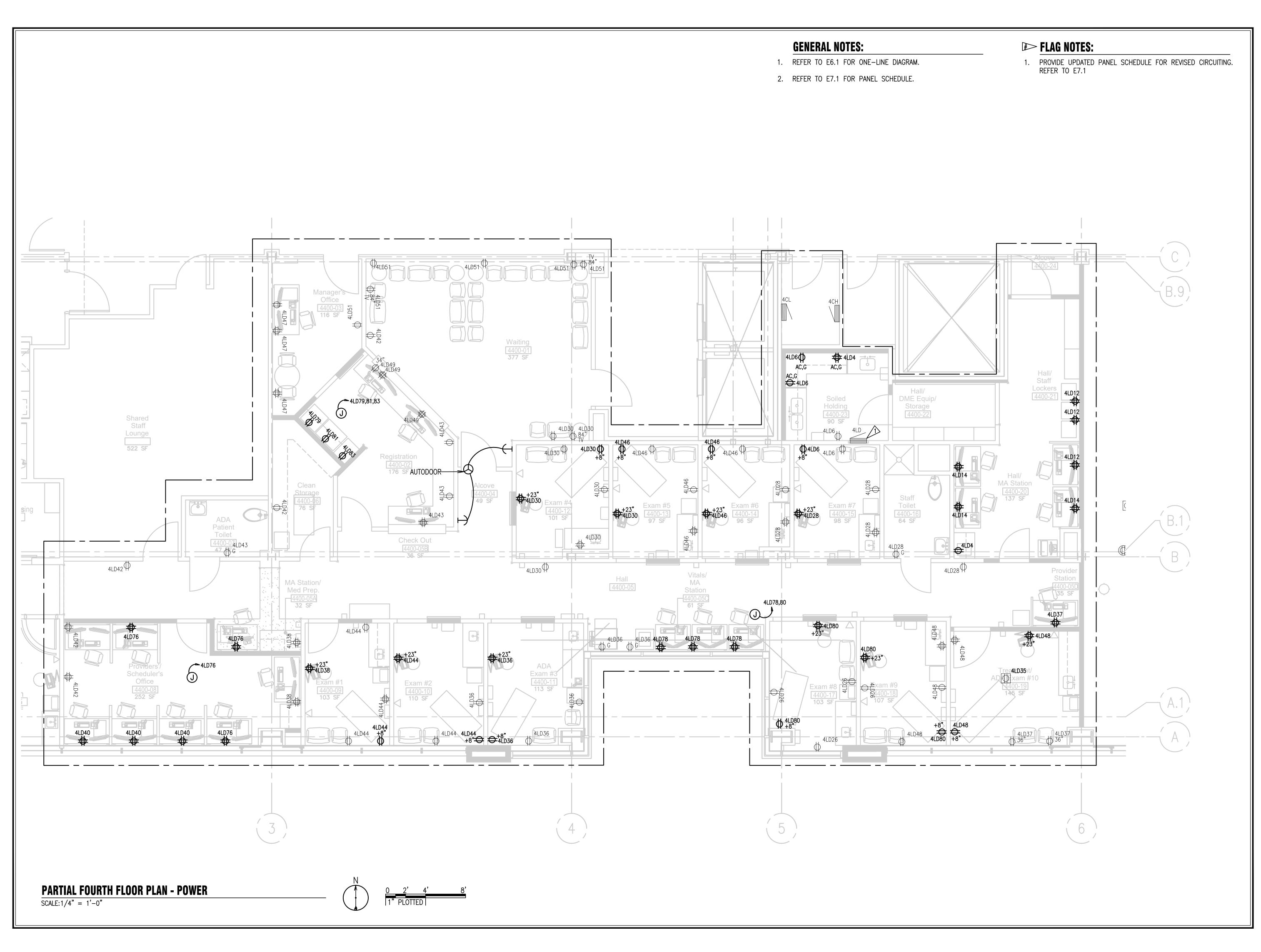
PLAN -

InSight Healthcare Architecture

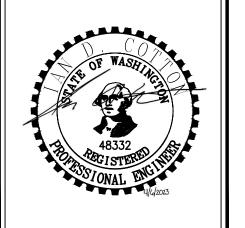
FOURTH FLOOR

ED2.1











DJECT NAME:

MultiCare

GSMOB

Suite 4400 Clinic T.I.

Puyallup, WA 98372					
MARK	DATE	DESCRIPTION			
	4/7/2023	CONSTRUCTION DOCUMENTS			

 PROJECT NO.
 31251

 DRAWN BY:
 KMD

 DATE:
 7 APRIL 2023

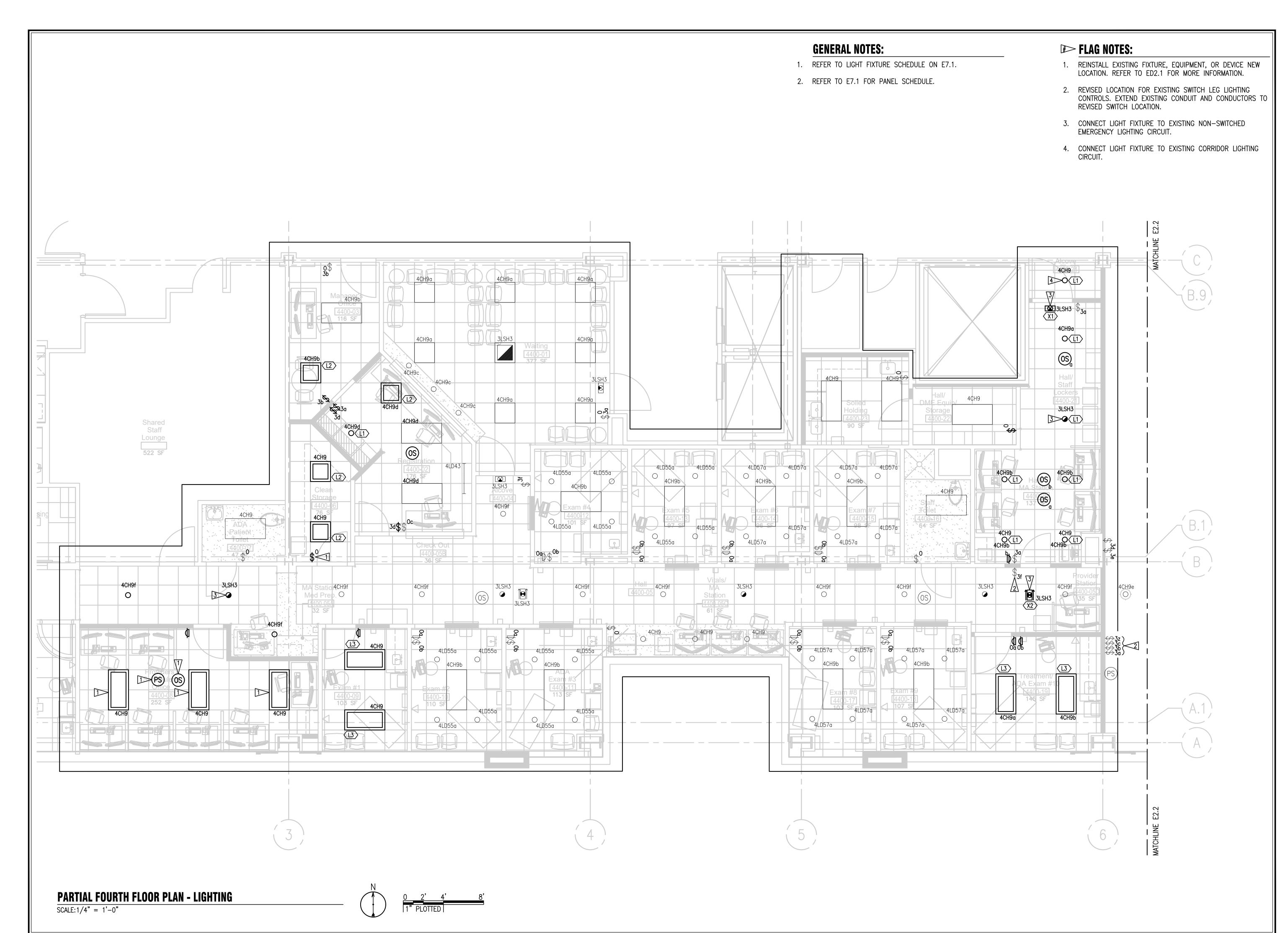
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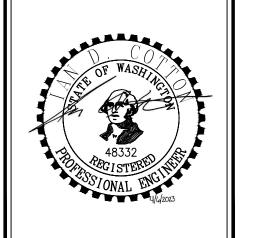
SHEET TITLE:
PARTIAL
FOURTH FLOOR
PLAN - POWER

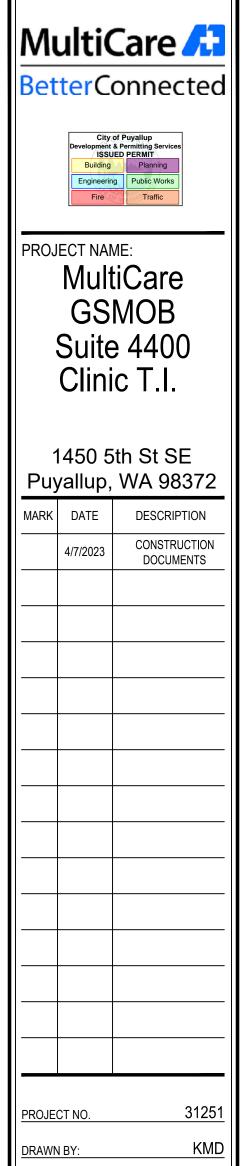
SHEET #:

E1.1









SHEET TITLE:
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FOURTH FLOOR

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DATE: COPYRIGHT TO: 7 APRIL 2023

PLAN -LIGHTING

SHEET #:

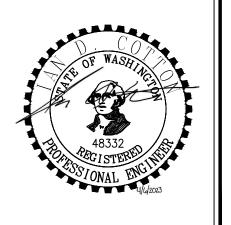
E2.1

4LD42 \$\$\$\$ 3e3d3c33 **◯** 3LSH3 4CH9e 4CH9e 4CH9e 4CH9e OS OS 4CH9e PARTIAL FOURTH FLOOR PLAN - LIGHTING SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. EXISTING LIGHTING PLAN PROVIDED FOR REFERENCE ONLY.
REFER TO SHEET E2.1 FOR LIGHTING CONTROLS AND SWITCH
REVISIONS FOR EXISTING LIGHTING.







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Clinic T.I.

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PROJE	PROJECT NO. 31251				

 PROJECT NO.
 31251

 DRAWN BY:
 KMD

 DATE:
 7 APRIL 2023

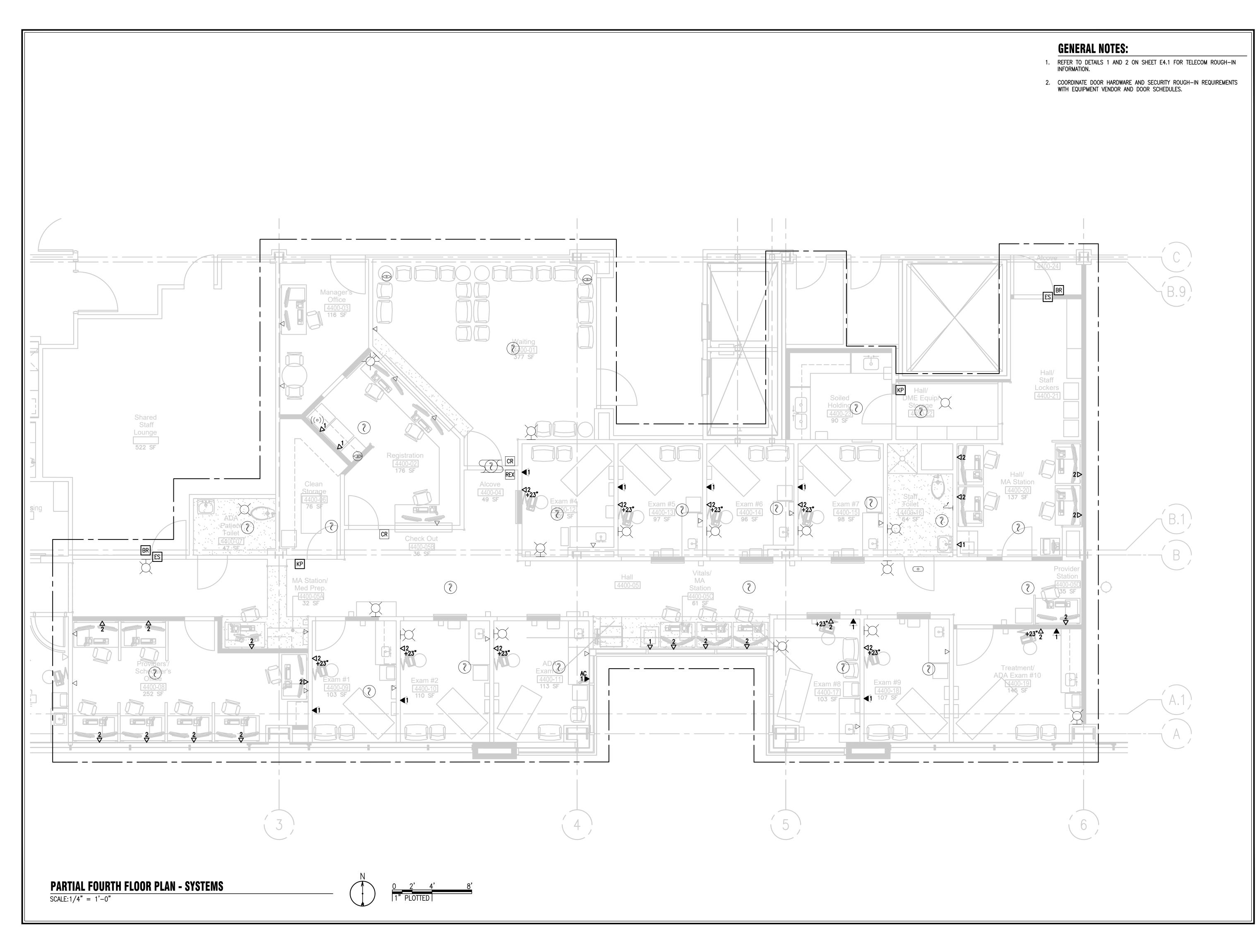
DATE: 7 APRIL 2023
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SHEET TITLE:
PARTIAL
FOURTH FLOOR
PLAN -

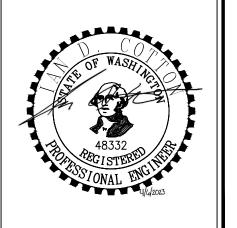
LIGHTING

SHEET #:

E2.2









DJECT NAME:

MultiCare

GSMOB Suite 4400 Clinic T.I.

1450 5th St SE Puyallup, WA 98372

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	4/7/2023	CONSTRUCTION DOCUMENTS
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 KMD

 TE:
 7 APRIL 2023

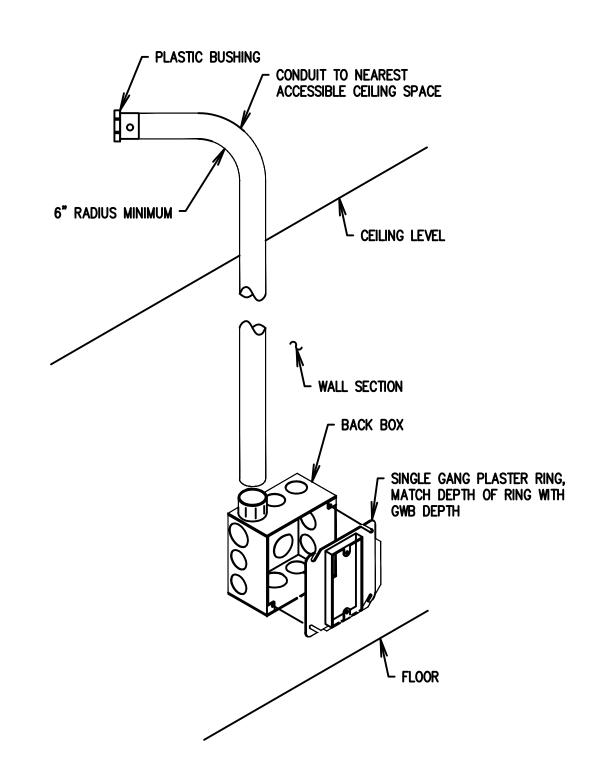
DATE: 7 APRIL 2023
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SHEET TITLE:
PARTIAL
FOURTH FLOOR
PLAN SYSTEMS

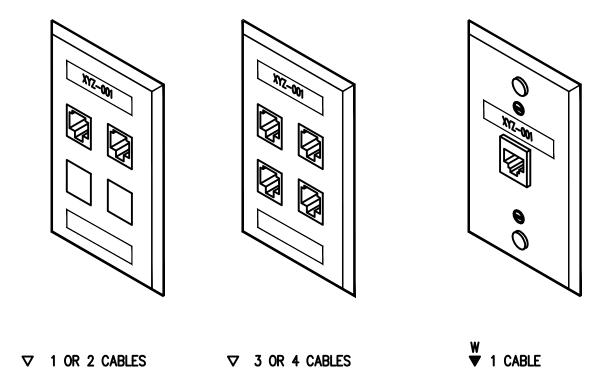
SHEET #:

E3.1



1 TYPICAL COMMUNICATIONS RACEWAY AND OUTLET DETAIL

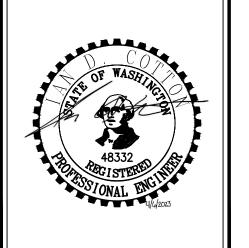
E4.1 | SCALE:NONE



- 1. CABLES AND TERMINATIONS BY OTHERS.
- 2. PROVIDE OUTLET FACEPLATE CONFIGURATIONS SIMILAR TO CABLING REQUIREMENTS. VERIFY EXACT CONFIGURATION WITH OWNER.
- 3. PROVIDE 4-PORT FACEPLATES FOR ALL OUTLETS. PROVIDE BLANK DUST COVERS IF NOT ALL 4-PORTS HAVE CABLES.

2 TYPICAL COMMUNICATIONS OUTLET FACEPLATE CONFIGURATIONS
E4.1 SCALE:NONE





OWNER:				
MultiC	are	(3)		
BetterConnected				
BetterCo	nnec	ted		
BetterCo	nnec	ted		
City of P Development & Po		ted		
City of P Development & Po	Puyallup ermitting Services	ted		

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MARK	DATE	DESCRIPTION
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SHEET TITLE:
ELECTRICAL
DETAILS

SHEET #:

E4.1

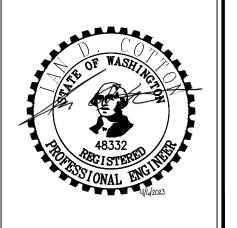
GENERAL NOTES:

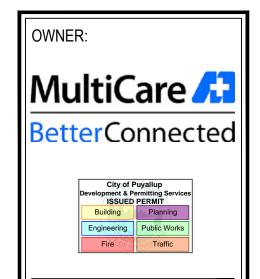
- 1. ONE-LINE BASED ON INFORMATION CONTAINED IN EXISTING AS-BUILT DOCUMENTS.
- 2. ALL EQUIPMENT SHOWN IS EXISTING AND SCOPE OF WORK IS LIMITED TO PANEL 4LD AND LIGHTING CIRCUITS AS SHOWN ON DRAWING E2.1.

→ FLAG NOTES:

1. FIELD VERIFY CIRCUITS IN FIELD FOR EXISTING AND MODIFIED CIRCUITS. PROVIDE UPDATED PANEL SCHEDULE. REFER TO E7.1 FOR ADDITIONAL INFORMATION, PANEL SCHEDULE, AND LOAD CALCULATION FOR EXISTING PANELBOARD.







MultiCare
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1450 5th St SE Puyallup, WA 98372

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 PROJECT NO.
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 DRAWN BY:
 KMD

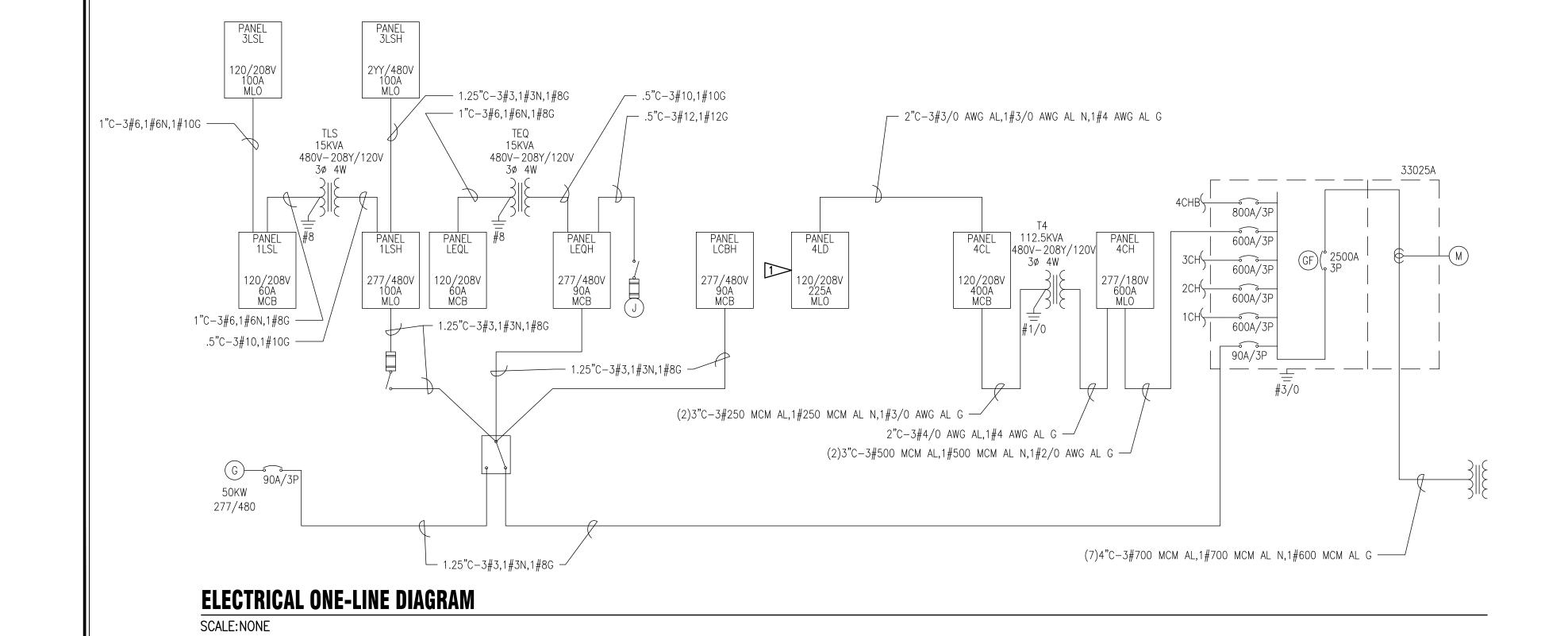
 DATE:
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DATE: 7 APRIL 2023
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SHEET TITLE:
ONE-LINE
DIAGRAM

SHEET #:

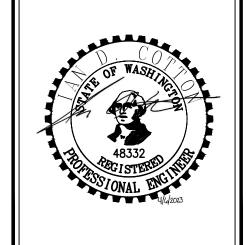
E6.1



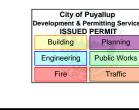
FIXTURE TYPE	MANUFACTURER / CATALOG # / DESCRIPTION	CCT / CRI	INPUT WATTS (W)	LUMEN OUTPUT	BALLAST / TRANSFORMER / DRIVER	VOLTAGE	LENS / REFLECTOR / BEAM	TRIM / FLANGE / BAFFLE / FINISH	REMARKS / ACCESSORIES/ OPTIONS
1 1 1	GOTHAM - EVO6 30 AR MWD LS GZ1 90CRI 6" LED DOWNLIGHT, GALVANIZED STEEL HOUSING, RECESS MOUNT, T-BAR CEILING	3500K/90CRI	30	3000	INTEGRAL 0-10V DIMMING	MVOLT	CLEAR, SPECULAR	WHITE FINISH	
1 1')	LITHONIA -AVANTE 2AVLS-30LSE-MDR-MVOLT-EZ1-LP835 2X2 LED LUMINAIRE, RECESS MOUNT, T-BAR CEILING	3500K/80CRI	34	4000	INTEGRAL 0-10V DIMMING	MVOLT		WHITE FINISH	
	LITHONIA - AVANTE 2AVL4-40LSE-MDR-MVOLT-EZ1-LP835 2X4 LED LUMINAIRE, RECESS MOUNT, T-BAR CEILING	3500K/80CRI	47	4000	INTEGRAL 0-10V DIMMING	MVOLT		WHITE FINISH	
V 1	LITHONIA - EDGR-1-RMR SINGLE FACE LED EXIT SIGN, RECESS MOUNT	RED	5	NA	NA	UNV	CLEAR ACRYLIC	MIRROR	SEE FLOOR PLAN FOR DIRECTIONAL ARROWS

	PANEL SCHEDULE										4LD	
3	Y/ 120 VOLTS NORMAL POV -PHASE PNL. MFR.: -WIRE CAT. NO.:	WER	BUS RA MAIN B A.I.C. R		150 MLO 10,000	AMPS			LOCATI MOUNT FED FR	ING: SURFACE	SPEC PANEL WITH: YE FEED-THRU LUGS DOUBLE LUGS 200% NEUTRAL	<u>ES</u>
CKT NO.	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CODE	LOAD (kVA)	BKR AMPS	PH	BKR AMPS	LOAD (kVA)	CODE	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	
1#	RCPT/LTS		R	0.43	20/1	-A-	20/1	1.26	R	RCPT		
3#	SPLINT PAN		R	1.44	20/1	-B-	20/1	1.08	R	RCPT SOILED HOLDING	NOTE 1	
5#	SPARE				20/1	-C-	20/1	1.26	R	RCPT EXAM #7 & SOILED HOLDING	NOTE 3	
7#	FLUID THERAPY		R	1.44	20/1	-A-	20/1	0.60	Z	HOT PACK		
9#	BTE		R	1.68	20/1	-B-	20/1	0.60	Z	COLD PACK		
11#	RCPT		R	0.90	20/1	-C-	20/1	1.08	R	RCPT STAFF LOCKERS/MA STATION	NOTE 4	
13#	TREADMILL		s	1.44	20/1	-A-	20/1	1.08	R	RCPT MA STATION	NOTE 1	
15#	TREADMILL		s	1.44	20/1	-B-	20/1	0.18	s	ELIPTICAL		
17#	TREADMILL		s	1.44	20/1	-C-	20/1	0.18	s	ELIPTICAL		
19#	PT TABLE		R	0.18	20/1	-A-	20/1	0.18	s	ELIPTICAL		
	PT TABLE		R	0.18	20/1	-B-	20/1	0.18	R	RCPT		_
23#	PT TABLE		R	0.18	20/1	-C-	20/1	0.18	R	RCPT		
	PT TABLE		R	0.18	20/1	-A-	20/1	0.72	R	RCPT EXAM #8 & EXAM #9		
27#	PT TABLE		R	0.18	20/1	-B-	20/1	1.62	R	RCPT EXAM #7	NOTE 4	_
	PT TABLE		R	0.18	20/1	-C-	20/1	1.62	R	RCPT EXAM #4	NOTE 4	_
31#	PT TABLE		R	0.18	20/1	-A-	20/1	0.60	Z	COLD PACK	NOTE 4	
	PT TABLE		R	0.18	i e		20/1	i e	R	RCPT		
			1		20/1	-B-		0.60		-	NOTE 4	
35#	PT TABLE	NOTE 4	R	0.18	20/1	-C-	20/1	1.44	R	RCPT EXAM #4	NOTE 1	
37*	RCPT PROVIDER STATION	NOTE 1	R	0.90	20/1	-A-	20/1	1.08	R	RCPT EXAM #1	NOTE 1	
39#	RCPT RM 4224 RCPT RM 4224		R R	0.54	20/1	-B- -C-	20/1	1.08	R R	RCPTS OFFICE 4400-08 RCPT/LTS	NOTE 5	
	RCPT RM 4224 RCPT RM 4203		R	1.08	20/1	-C-	20/1	0.54	R	RCPT EXAM #2	NOTE 1	
	RCPT/LTS RM 4202		R	1.24	20/1	-A-	20/1	0.54	R	RCPT EXAM #6	NOTE 1	_
47#	RCPT/LTS RM 4202		R	1.12	20/1	-C-	20/1	0.36	R	RCPT EXAM #10	NOTE 1	_
49#	RCPT RM 4202		R	0.90	20/1	-A-	20/1	0.72	R	RCPT RM 4223		
51#	RCPT RM 4200		R	1.26	20/1	-B-	20/1	0.18	R	RCPT RM 4224		
53#	PA DOOR RM 4200		R	0.90	20/1	-C-	20/1	0.18	R	RCPT RM 4224		
55# 57#	LTG RM 4208,4209,4211,4212 LTG RM 4213,4214,4217,4218		<u> </u>	1.20	20/1	-A-	20/1	0.18	R	RCPT RM 4224		
59#	, , ,		R	0.50	20/1	-B- -C-	20/3	0.72	R	W. LOUNGE		
61#	RCPT RM 4223		R	0.50	20/2	-A-	20,0	0.72	R	W. 2001102		
63#	RCPT GFCIs RM 4400		R	1.08	20/1	-B-		0.72	R			
65#	S. MICROWAVE RM 4400		S	1.20	20/1	-C-	20/3	0.72	R	W. LOUNGE		
67#	RCPT N. GFCIs RM 4400		R	1.08	20/1	-A-		0.72	R			
69#	REF RM 4400		R	1.00	20/1	-B-		0.72	Н			
71#	N. MICROWAVE RM 4400		Z	1.20	20/1	-C-	20/3	0.72	H	FAN DISCONNECT		
73# 75#	DRYER		Z	1.25 1.25	20/2	-A- -B-	20/1	0.72 1.08	H R	RCPT OFFICE 4400-08	NOTE 2	_
77#	WASHING MACHINE		Z	1.00	20/1	-C-	20/1	1.08	R	RCPT VITALS STATION	NOTE 2	_
79*	RCPT REGISTRATION	NOTE 2	s	1.00	20/1	-A-	20/1	1.08	R	RCPT EXAM #8 & EXAM#9	NOTE 2	
81*	RCPT REGISTRATION	NOTE 2	S	1.00	20/1	-B-	20/1			SPACE		
83*	RCPT REGISTRATION	NOTE 2	S	1.00	20/1	-C-	20/1			SPACE		
	CODES:	CONNEC	TED LOAD				DEMAND	LOAD		NOTES:		_
	H = HVAC LOADS	2.1	6 kVA				(100%)			ASTERIK (*) NEXT TO CKT INDICATES I EXISTING CIRCUITS MARKED WITH #.	NEW, ADDED, OR REVISED L	.0/
	K = KITCHEN EQUIPMENT	0.0	0 kVA				(100%)			EXISTING OAL OUT ATER DANIEL LOADS	. D. A.C.D. O.V. DEGODD DOGU	
	L = LIGHTING LOADS	2.4	0 kVA				(125%)			AND PANEL SCHEDULES.	BASED ON RECORD DOCU	IVIE
	LM = LARGEST SINGLE MOTOR	0.0	0 kVA				(125%)				N. C. D. C. V. T.	
	M = OTHER MOTOR LOADS	0.0	0 kVA				(100%)			1) ADDED 360VA NEW LOAD ON EXISTI 2) PROVIDE 20A/1P BREAKER IN EXIST		
	NC = NON-COINCIDENTAL LOADS	0.0	0 kVA			kVA				3) ADDED 540VA NEW LOAD ON EXIST	NG CIRCUIT.	
	R = GENERAL USE RECEPTACLES	47.2	9 kVA				(50%>10	kVA)		4) ADDED 180VA NEW LOAD ON EXIST 5) NO NEW LOAD ADDED TO EXISTING		
	S = DEDICATED RECEPTACLES	7.3	2 kVA				(100%)			o, no hen coab abbeb to existing	CINCOTT.	
	Z = MISC. OR APPLIANCES	7.0	4 kVA		7.04	kVA	(100%)		_			
		TOTALS: 66.2	1 kVA		48.16	kVA						





OWNER:
MultiCare 🙃
BetterConnected



MultiCare
GSMOB
Suite 4400
Clinic T.I.

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Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	4/7/2023	CONSTRUCTION DOCUMENTS
DD 0 15	OTNO	2106

 PROJECT NO.
 312

 DRAWN BY:
 KM

DATE: 7 APRIL 2023
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InSight Healthcare Architecture

SHEET TITLE:
ELECTRICAL
SCHEDULES

SHEET #:

E7.1