

PROJECT TEAM:

MultiCare Health System — Good Samaritanl Hospital 401 15th Ave SE

Puyallup, WA 98372 Contact: Aaron Piche

Aaron.Piche@MultiCare.org (253) 697-2309

FACILITY CONTACTS:

CBRE, MultiCare Health System Account 911 South 5th Street, Mail Stop 911-1-CONS Tacoma, WA 98405 Contact: Brianna LeRoy

> Project Manager Brianna.LeRoy@MultiCare.org (253) 281-0012

ARCHITECT:

InSight Healthcare Architecture, LLC 16824 44th Ave West, #170 Lynnwood, WA 98037 Contact: Karsea Langlois Principal Architect Karsea@InsightArch.us (206) 601-6645

MECHANICAL ENGINEER:

EBD Services 14900 Interurban Ave S, Suite 143 Seattle, WA 98168 Contact: Kellen Davis, PE Project Manager, Associate Kellen.Davis@EBD-Services.com

ELECTRICAL ENGINEER:

EBD Services 14900 Interurban Ave S, Suite 143 Seattle, WA 98168 Contact: Sean Riley, PE 206.595.5973 Sean.Riley@EBD-Services.com

EQUIPMENT:

5960 Heisley Road Mentor, OH 44060 Contact: Nate Forde 440.225.7799 Nate_Forde@Steris.com

PRCTI20240804

City of Puyallup Building **REVIEWED FOR** COMPLIANCE

RayC 07/26/2024 10:43:33 AM



City of Puyallup Development Engineering APPROVED See permit conditions. ycharitou



Approval of submitted plans is not an approval of ssions or oversight by this office or noncompliance with any applicable regulation local government. The contractor is respons making sure that the building complies with a applicable building codes and regulations of

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION. PRINT in COLOR and to SCALE.

See notes/details on M1.1 regarding connection devices. UPC

local government.

If modifications to floor sink and par plumbing test inspection will be nee

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GENERAL:
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ARCHITECTURAL:
AO.1 LIFE SAFETY PLAN
A1.0 PARTIAL LEVEL 'A' FLOOR PLAN
A2.0 DETAILED LEVEL 'A' FLOOR PLAN: DEMOLITION
A3.0 DETAILED LEVEL 'A' FLOOR PLAN: PROPOSED
A5.0 DETAILED LEVEL 'A' FLOOR REFLECTED CEILING PLAN
A8.0 WALL TYPES, DETAILS
MECHANICAL:
MO.O MECHANICAL SYMBOLS, ABBREVIATIONS & DRAWING LIST
MO.1 MECHANICAL SPECIFICATION AND SCHEDULES

MO.0	MECHANICAL SYMBOLS, ABBREVIATIONS & DRAWING LIST
MO.1	MECHANICAL SPECIFICATION AND SCHEDULES
M1.0	OVERALL LEVEL 'A' FLOOR PLAN — MECHANICAL
MD1.1	ENALRGED LEVEL 'A' FLOOR PLAN — MECHANICAL DEMOLITION
M1.1	ENLARGED LEVEL 'A' FLOOR PLAN — MECHANICAL

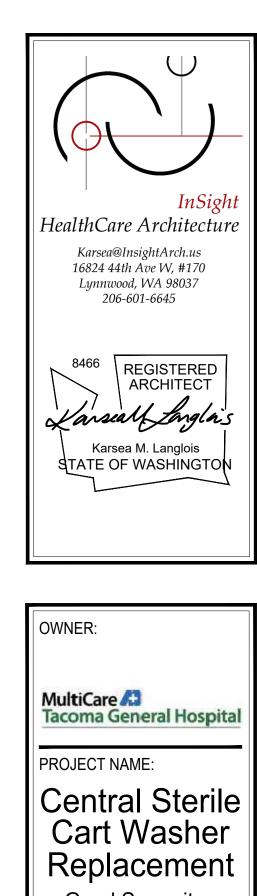
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E0.0	ELECTRICAL SYMBOLS, ABBREVIATIONS & SPECIFICATIONS	
E1.0	OVERALL LEVEL 'A' FLOOR PLAN — ELECTRICAL	
E4.1	ENLARGED LEVEL 'A' FLOOR PLANS — ELECTRICAL	

ons of	FLOOR SINK LOCATION & PIT PAD DETAILS
sible for	FINISHED WALL OPENING ELEVATIONS & DETERGENT DE
all f the	
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EQUIPMENT VENDOR DRAWINGS (STERIS):

PARTIAL FLOOR PLAN

CESSIBLE LOCATION. NT in COLOR and to SCALE.		
ee notes/details on M1.1 regarding cross onnection devices. UPC		
modifications to floor sink and pan are required, umbing test inspection will be needed. UPC		
ambing test inspection thin so hecasar er e		
City of Puyallup		
Development & Permitting Services ISSUED PERMIT		1
Building Planning		
Engineering Public Works		
Fire Traffic		
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		PROJECT NO.
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	PROJECT NAME:				
	Central Sterile Cart Washer				
			cement		
		Good S	Samaritan		
	4		spital h Ave SE		
	Pu	yallup,	WA 98372		
	MARK ———	DATE	DESCRIPTION		
		5/10/2024	PERMIT SET		
	PROJE	CT NO.	31264		
	DRAW	N BY:	K LANGLOIS		
	DATE: COPYR	RIGHT TO:	10 MAY 2024		

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PROJECT NO.	31264
DRAWN BY:	K LANGLOIS
DATE: COPYRIGHT TO:	10 MAY 2024
InSight Health	care Architecture

SHEET TITLE:

PROJECT INFO / INDEX / SITE PLAN

City of Puyallu

Development & Permittir

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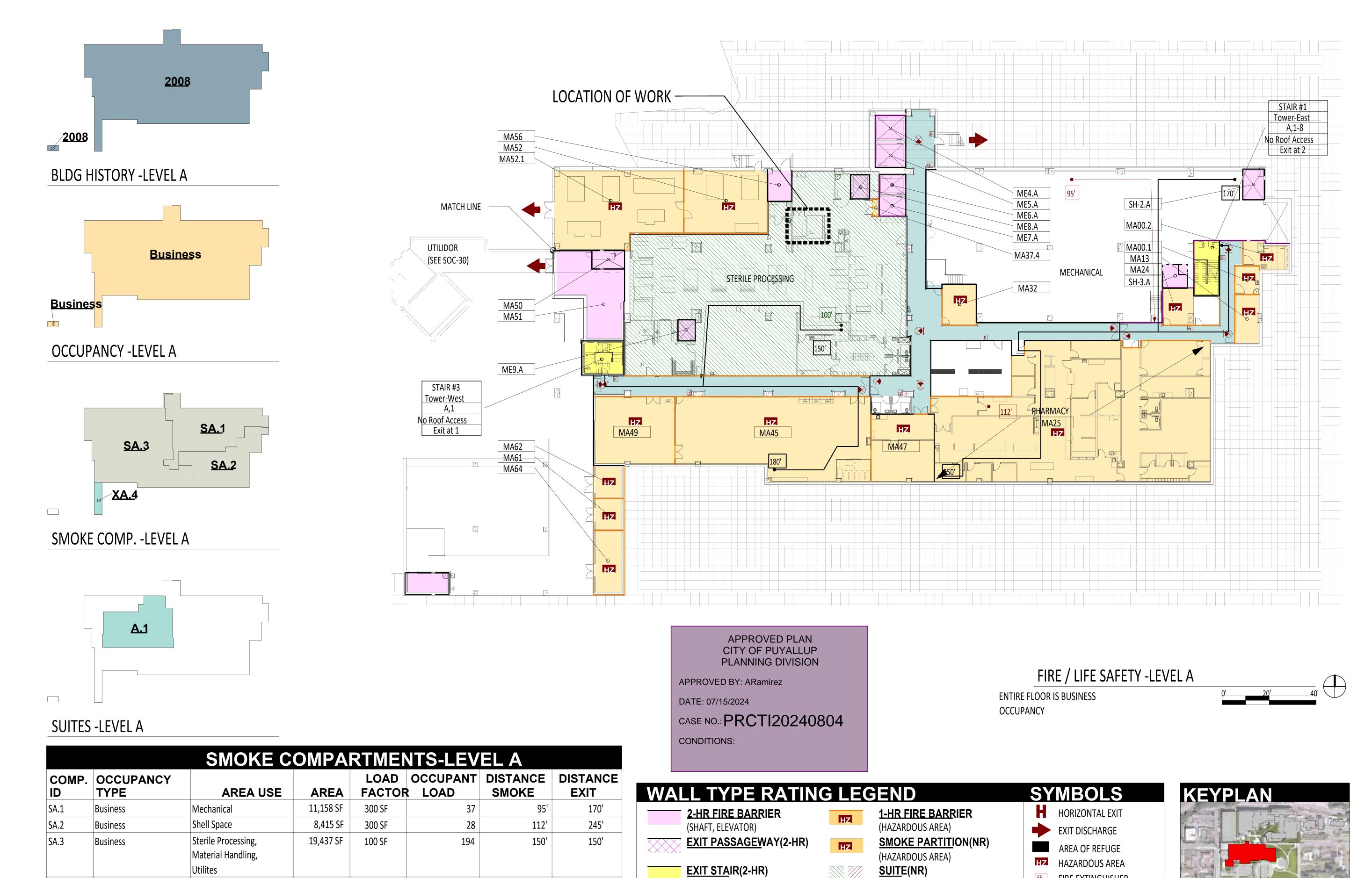
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SHEET #:



2-HR FIRE+SMOKE BARRIER

(SMOKE COMPARTMENT)

(SMOKE COMPARTMENT)

SUITE EXIT

100'

OCC LOAD DISTANCE

SMOKE BARRIER

Storage/Mechanical

Non-Patient-Care Suite

XA.4

SUITE ID

Business

NAME

705 SF

SUITES-LEVEL A

AREA

8,501 SF

LOAD

100 SF

FACTOR

39,714 SF

SUITE TYPE



OWNER: MultiCare 🕰 Tacoma General Hospital PROJECT NAME: Central Sterile Cart Washer Replacement Good Samaritan Hospital 401 15th Ave SE Puyallup, WA 98372 MARK DATE DESCRIPTION 5/10/2024 PERMIT SET 10 MAY 2024 DATE: COPYRIGHT TO: InSight Healthcare Architecture

31264 K LANGLOIS

SHEET TITLE:

FIRE EXTINGUISHER

DISTANCE TO EXIT

200'

CORRIDOR WALL(NR)

BUSINESS OCCUPANCY

UNDER CONSTRUCTION

EXIT ACCESS CORRIDOR(NR)

FIRE ALARM PULL STATION
EXIT SIGN

DISTANCE TO SUITE DOOR

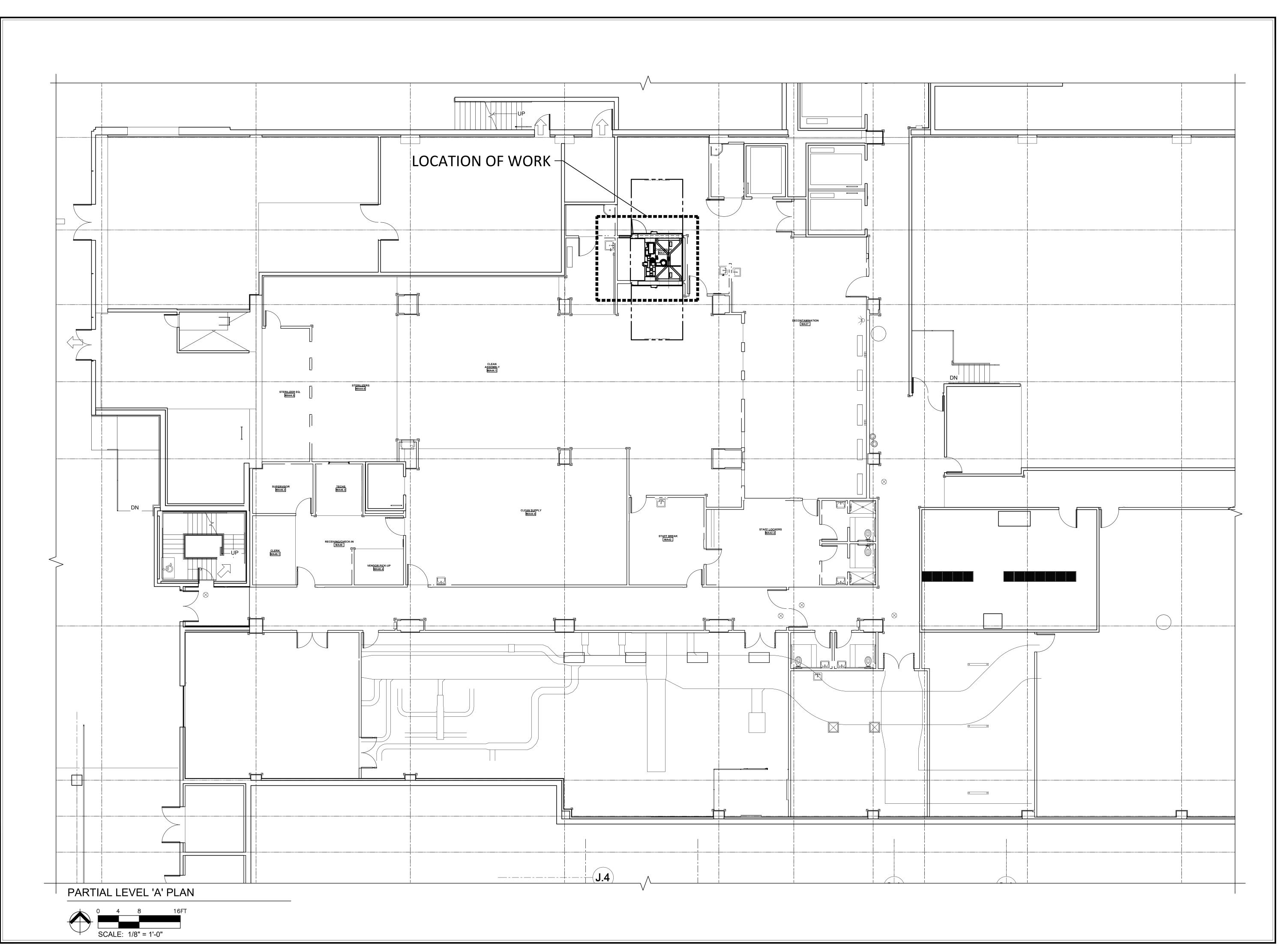
DISTANCE TO SMOKE

COMPARTMENT DOOR

PARTIAL 2ND FLOOR

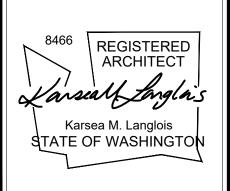
SHEET #:

A1.2





HealthCare Architect Karsea@InsightArch.us 16824 44th Ave W, #170 Lynnwood, WA 98037 206-601-6645



OWNER:

MultiCare A3
Tacoma General Hospital

PROJECT NAME:

Central Sterile Cart Washer Replacement

Good Samaritan Hospital 401 15th Ave SE Puyallup, WA 98372

MARK DATE DESCRIPTION

5/10/2024 PERMIT SET

PROJECT NO. 31264

DRAWN BY: K LANGLOIS

DATE: 10 MAY 2024
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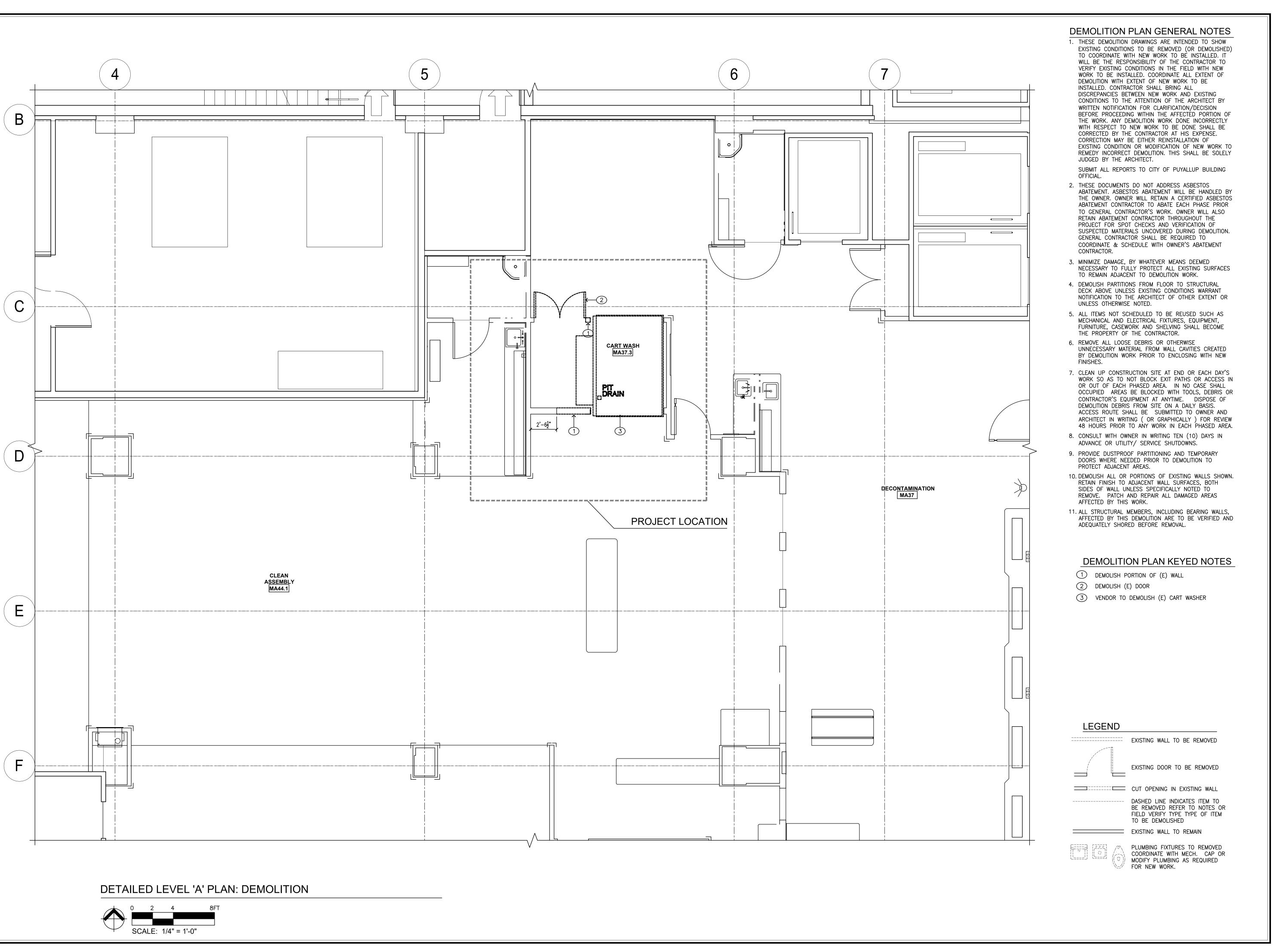
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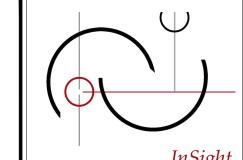
PARTIAL LEVEL 'A' PLAN



SHEET #:

A1.0





HealthCare Architecture

Karsea@InsightArch.us 16824 44th Ave W, #170 Lynnwood, WA 98037 206-601-6645

REGISTERED ARCHITECT

Lauscal Langlais

Karsea M. Langlois
STATE OF WASHINGTON

OWNER:

MultiCare 12 Tacoma General Hospital

PROJECT NAME:

Central Sterile Cart Washer Replacement

Good Samaritan Hospital 401 15th Ave SE Puvallup, WA 98372

Puyallup, WA 98372

MARK DATE DESCRIPTION

5/10/2024 PERMIT SET

3 5/10/2023 RFIs #13 & #16

3/10/2023 RFIS #13 & #

NO. 31264

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SHEET TITLE:

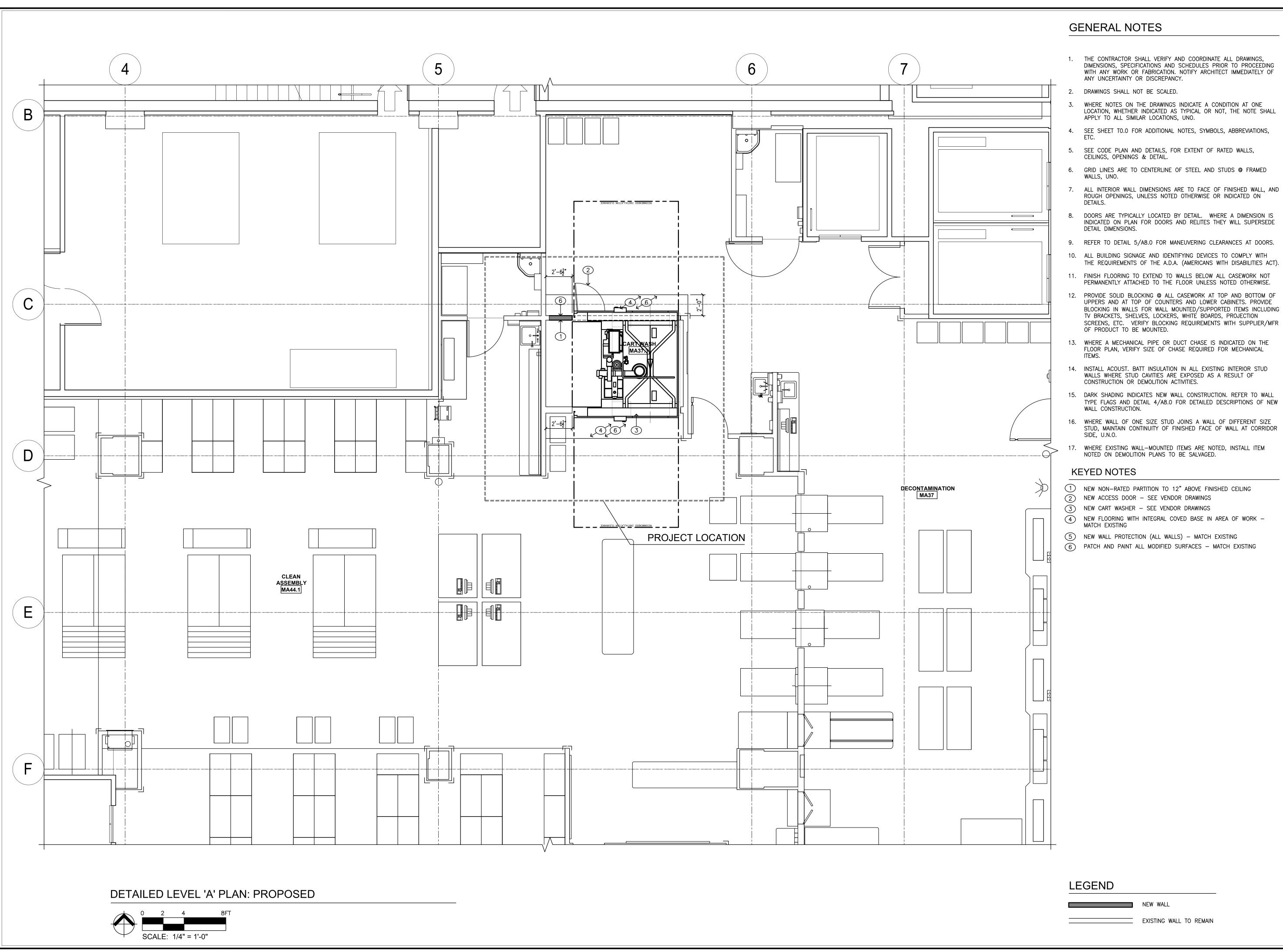
DETAILED LEVEL

'A' PLAN:
DEMOLITION
Development & Permitting Serving

Engineerin Fire

SHEET #:

A2.0



ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF FINISHED WALL, AND

HealthCare Architecture

Karsea@InsightArch.us 16824 44th Ave W, #170 Lynnwood, WA 98037 206-601-6645

REGISTERED ARCHITECT Karsea M. Langlois STATE OF WASHINGTON

OWNER:

MultiCare 🕰 Tacoma General Hospital

PROJECT NAME:

Central Sterile Cart Washer

Good Samaritan Hospital

401 15th Ave SE Puyallup, WA 98372

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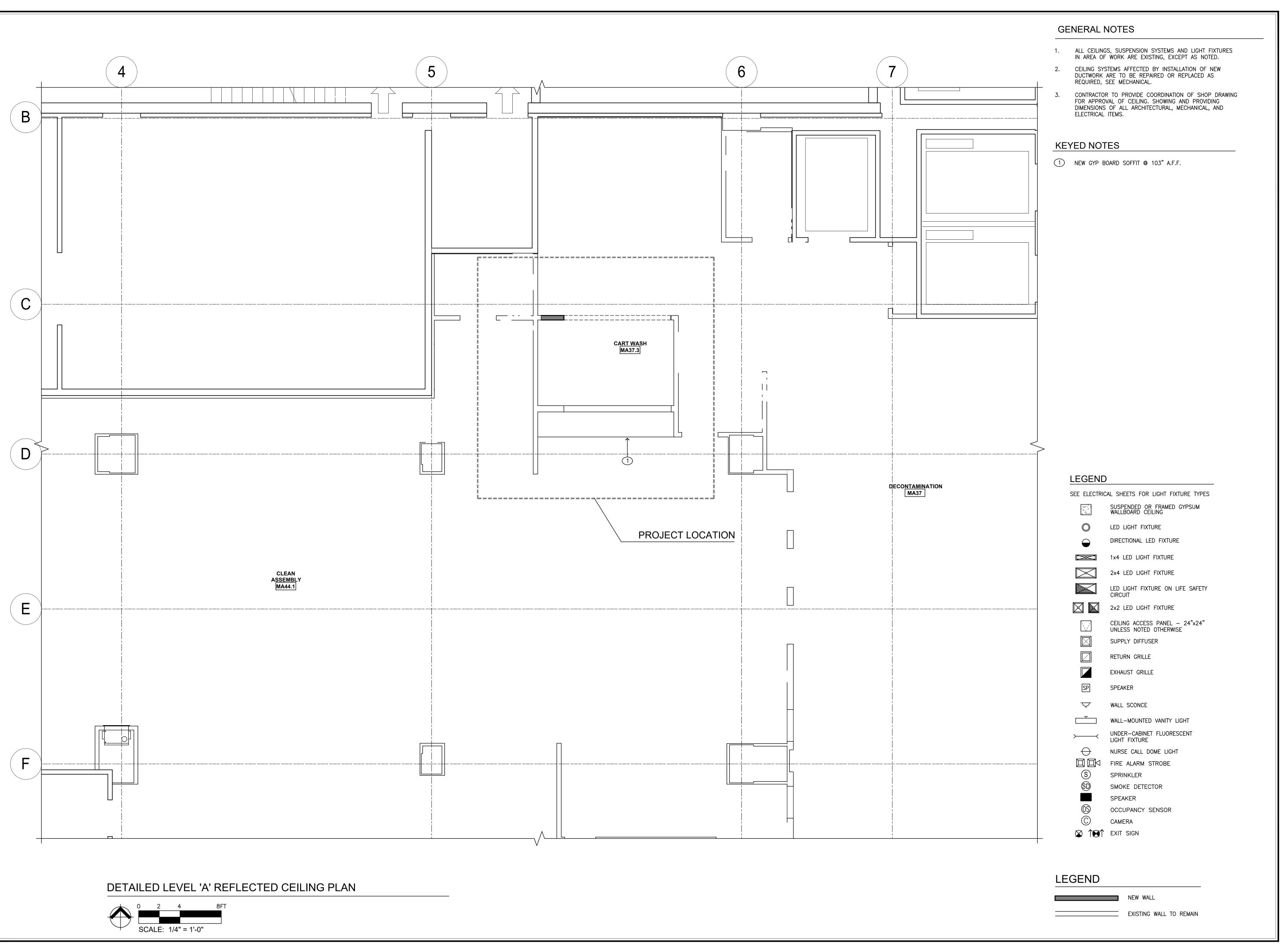
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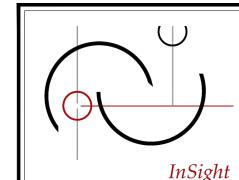
SHEET TITLE: DETAILED LEVEL 'A' PLAN:

PROPOSED

SHEET #:

A3.0





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OWNER:

MultiCare 😝 Tacoma General Hospital

PROJECT NAME:

Central Sterile Cart Washer **Good Samaritan**

Hospital 401 15th Ave SE Puyallup, WA 98372

MARK DATE DESCRIPTION 5/10/2024 PERMIT SET

CEILIN Building Panital

DATE: COPYRIGHT TO:

SHEET TITLE:

DETAILED

LEVEL 'A'

REFLECTED

SHEET #:

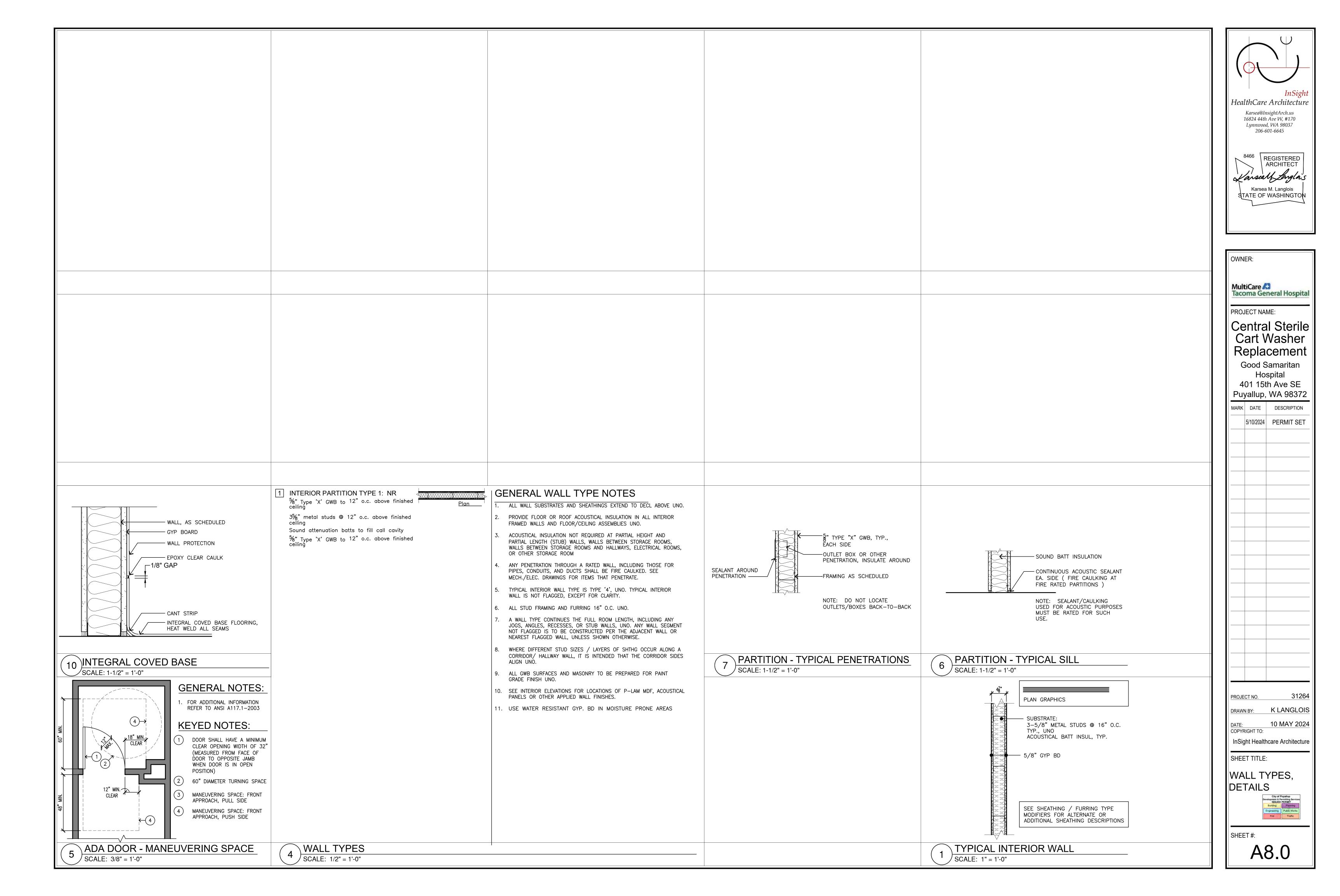
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31264

10 MAY 2024

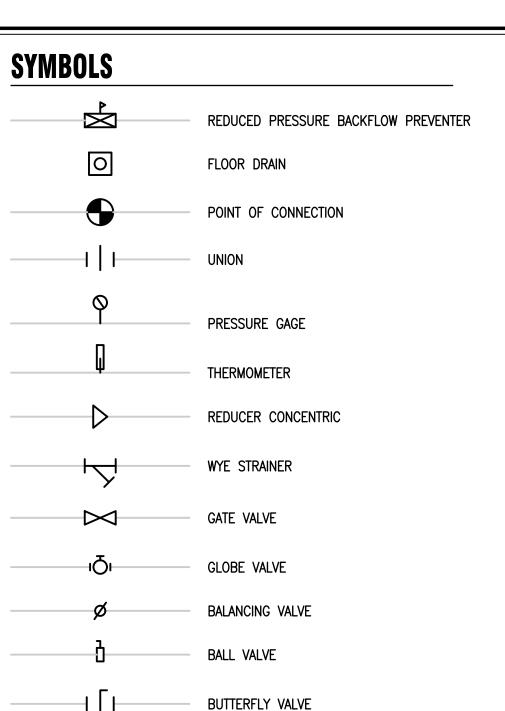


PROJECT SCOPE

THE PROJECT SCOPE IS A LIKE-FOR-LIKE REPLACEMENT OF THE EXISTING CART WASH IN THE CENTRAL STERILE DEPARTMENT. THE NEW CART WASH USES THE EXISTING STEAM, DOMESTIC HOT WATER, DOMESTIC COLD WATER, AND LAB AIR SYSTEMS.

THE EXISTING DOMESTIC WATER HAS REDUCED PRESSURE BACKFLOW PREVENTORS TO PROTECT THE DOMESTIC WATER SYSTEM FROM BACKFLOW.

NO CHANGES ARE BEING MADE TO THE CENTRAL PLUMBING OR MECHANICAL SYSTEMS.



PRESSURE REDUCING VALVE

CHECK VALVE

PIPE AND/OR HOSE ENDS PIPE TURNING UP OR TOWARD PIPE TURNING DOWN OR AWAY WALL CLEANOUT BLIND FLANGE CAP HOSE BIBB HOSE END DRAIN VALVE LINETYPES D — INDIRECT DRAIN

———— DOMESTIC COLD WATER

— — — DOMESTIC HOT WATER

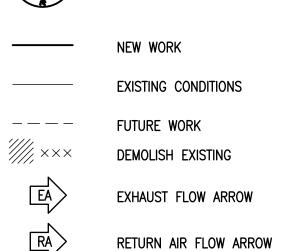
---- MPS ------ MEDIUM PRESSURE STEAM

PIPELINE (DIRECTION OF FLOW)

———— SS ———— SANITARY SEWER

TP TRAP PRIMER

FLAG NOTE REVISION IDENTIFICATION EQUIPMENT IDENTIFICATION ### DETAIL REFERENCE PROJECT NORTH REFERENCE NEW WORK



DRAWING LIST

MECHANICAL SPECIFICATION AND SCHEDULES
OVERALL LEVEL A FLOOR PLAN - MECHANICAL

ENLARGED LEVEL A FLOOR PLAN - MECHANICAL

SHEET NAME
MECHANICAL SYMBOLS, ABBREVIATIONS, & DRAWING LIST

ENLARGED LEVEL A FLOOR PLAN - MECHANICAL DEMOLITION

SHEET NUMBER

SUPPLY AIR FLOW ARROW



AIR CONDITIONING/

ALTERNATING CURRENT

ISOLATION CONTROL VALVE

INVERT ELEVATION

ICV

AF	AIRFOIL	IMP	IMPELLER
AFF AH /AHII	ABOVE FINISHED FLOOR AIR HANDLING UNIT	IN IPLV	INCH INTEGRATED PART LOAD
AMB	AMBIENT		VALUE
AMU	AIR MEASURING UNIT	KH KW	KITCHEN HOOD KILOWATT
BD	ARCHITECTURAL BALANCING DAMPER	KWH	KILOWATT KILOWATT HOURS LEAVING AIR TEMPERATURE
BDD	BACKDRAFT DAMPER BLIND FLANGE BACKLOW PREVENTER	LAI LR/HR	LEAVING AIR TEMPERATURE POUNDS PER HOUR
BFP	BACKLOW PREVENTER	LBS	POUNDS
BFW BHP	BOILER FEED WATER	LD	LINEAR DIFFUSER
BI BHP	BACKWARD INCLINED	LSH	LEVEL SWITCH (HIGH)
BLDG	BUILDING	LSL	LEVEL SWITCH (LOW)
BOD BOP	BOTTOM OF DUCT BOTTOM OF PIPE	LT LVG	LEVEL SENSOR/TRANSMITTER LEAVING
BTU/HR	BRITISH THERMAL UNIT PER	LWT	LEAVING LEAVING WATER
CAD	HOUR		TEMPERATURE
CAP CB	CAPACITY CATCH BASIN	MA MATL	MAKE-UP AIR MATERIAL
CC	COOLING COIL	MAV	MANUAL AIR VENT
CD CF	CEILING DIFFUSER CABINET FAN	MAX MBH	
CFM	CUBIC FEET PER MINUTE	MCC	MOTOR CONTROL CENTER
CFP CFT		MOD	MOTOR OPERATED DAMPER
CHLR		MTR MVD	MOTOR MEDIUM VELOCITY DAMPER
	CHEMICAL CHILLED WATER DUMP	MVD MZU	
	CHILLED WATER PUMP CAST IRON	N/A MC NIC	NOT APPLICABLE NORMALLY CLOSED
CLG	CEILING/COOLING	NIC	NOT IN CONTRACT
CMPRSR CND	COMPRESSOR	NO NOM	NORMALLY OPEN NOMINAL
CNDS	CONDENSATE	NPW	NONPOTABLE WATER
CNTFGL CO	CENTRIFUGAL CLEAN-OUT	Ø	DIAMETER
COP	COEFFIICIENT OF	oa oat	OUTSIDE AIR OUTSIDE AIR TEMPERATURE
0.0	PERFORMANCE	OBD	OPPOSED BLADE DAMPER
CP CR	CIRCUITLATING PUMP CONTROL RELAY	OC OPER	ON CENTER OPERATING
CS	CURRENT SENSING RELAY	OSA	OUTSIDE AIR
CT	CURRENT SENSOR/ TRANSMITTER	OV PBD	OUTLET VELOCITY PARALLEL BLADE DAMPER
CU	CONDENSING UNIT	PD	PRESSURE DISCHARGE
CU.FT.	CUBIC FEET	PFT	PARALLEL FAN TERMINAL
Cv CVTR	FLOW COEFFICIENT CONVERTER	PH POC	PHASE POINT OF CONNECTION
CW	COLD WATER	PRESS	PRESSURE
CWP D	CONDENSER WATER PUMP DRAIN	PRV	PRESSURE RELIEF VALVE/PRESSURE REDUCING
DB	DRY BULB/DECIBELS		VALVE VALVE
DCVA	DOUBLE CHECK VALVE	PSF	POUNDS PER SQUARE FOOT
DCW	ASSEMBLY DOMESTIC COLD WATER	PSH PSL	PRESSURE SWITCH (HIGH) PRESSURE SWITCH (LOW)
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DIFF DISCH	DIFFUSER DISCHARGE	PSIG	PSI GAUGE
DMPR	DAMPER	PT	PRESSURE SENSOR/ TRANSMITTER
DN	DOWN DIFFERENTIAL PRESSURE	PW	PUMPED WASTE
DPH	SWITCH (HIGH)	ra Ref	RETURN AIR REFERENCE
DPL	DIFFERENTIAL PRESSURE	RF	RETURN FAN
DPS	SWITCH (LOW) DIFFERENETIAL PRESSURE	RH	HUMIDITY SENSOR/
כום	DITTERENAL TRESSORE	RPBP	TRANSMITTER REDUCED PRESSURE
	SENSOR/TRANSMITTER	ואו טו	NEDUCED I NESSUNE
DWDI	DOUBLE WIDTH DOUBLE	= .	BACKFLOW PREVENTER
		RWL	BACKFLOW PREVENTER RAIN WATER LEADER
DWDI EAT EER	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO	= .	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER
DWDI EAT EER EF	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN	RWL SA SCFM	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE
DWDI EAT EER EF EFF EG	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE	RWL SA	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER
DWDI EAT EER EF EFF EG EJ	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT	RWL SA SCFM SD SDS SF	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN
DWDI EAT EER EF EFF EG EJ EL ENT	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING	RWL SA SCFM SD SDS	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM
DWDI EAT EER EF EFF EG EJ EL ENT ELEC	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL	RWL SA SCFM SD SDS SF SFD SFT SG	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE
DWDI EAT EER EF EFF EG EJ EL ENT	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING	RWL SA SCFM SD SDS SF SFD SFT SG SH	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT
DWDI EAT EER EF EFF EG EJ EL ENT ELEC ESP	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER	RWL SA SCFM SD SDS SF SFD SFT SG SH SP	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP
DWDI EAT EER EF EFF EG EJ EL ENT ELEC ESP EWC	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER	RWL SA SCFM SD SDS SF SFD SFT SG SH SP	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER
DWDI EAT EER EF EF EG EJ EL ENT ELEC ESP EWC EWT EXT F	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL
DWDI EAT EER EF EFF EG EJ EL ENT ELEC ESP EWC EWT	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION
DWDI EAT EER EF EFF EG EJ EL ENT ELEC ESP EWC EWT EXT F FC FCO FCV	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET
DWDI EAT EER EF EFF EG EJ EL ENT ELEC ESP EWC EWT EXT F FC FCO FCV FD	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP
DWDI EAT EER EF EFF EG EJ ENT ELEC ESP EWC EWT EXT F FC FCO FCV FD FDC	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET
DWDI EAT EER EF EFF EG EJ ENT ELEC ESP EWC EWT EXT F FC FCO FCV FD FDC FLA	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T TBV TCV	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE
DWDI EAT EER EF EFF EG EJ ELT ELEC ESP EWC EWT EXT F FC FCO FCV FD FDC FLA FLR FM	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T TBV TCV TDH	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL
DWDI EAT EER EF EFF EG EJ ELT ELEC ESP EWC EWT EXT F FC FCO FCV FD FDC FLA FLR FM FOR	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T TBV TCV TDH TG TI	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT
DWDI EAT EER EF EFF EG EJ ELT ELEC ESP EWC EWT EXT F FC FCO FCV FD FDC FLA FLR FM	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SST STRUCT SUCT SW SWSI T TBV TCV TDH TG TI TOD	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT
DWDI EAT EER EF EFF EG EJ ENT ELEC ESP EWC EWT FC FCO FCV FD FDC FLA FM FOR FOS FOV FPM	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T TBV TCV TDH TG TI	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP
DWDI EAT EER EF EFF EG EJ ENT ELEC ESP EWC EWT EXT F FC FCO FCV FD FDC FLA FM FOR FOS FOV	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T TBV TCV TDH TG TI TOD TOS TP	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER
DWDI EAT EER EF EFF EG EJ ELEC ESP EWC EXT FCO FCV FDC FLA FLM FOR FON FPT FS	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE FREEZE PROTECTION THERMOSTAT FLOW SWITCH	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T TBV TCV TDH TG TI TOD TOS	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER TEMPERATURE SENSOR/
DWDI EAT EER EFF EG EJ ENT ELEC ESP EWT EXT FC FCO FCV FDC FLA FM FOS FOV FPM FPT FS FT	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE FREEZE PROTECTION THERMOSTAT FLOW SWITCH FEET	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T TBV TCV TDH TG TI TOD TOS TP TS TSP	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER TEMPERATURE SENSOR/ TRANSMITTER (PIPE/DUCT) TOTAL STATIC PRESSURE
DWDI EAT EER EFF EG EJ ELTEC ESPC EWT FC FCO FDC FLA FFM FOS FOV FPM FPT FT FT FT FT	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE FREEZE PROTECTION THERMOSTAT FLOW SWITCH FEET SQUARE FEET FACE VELOCITY	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T TBV TCV TDH TG TI TOD TOS TP TS TSP T'STAT	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER TEMPERATURE SENSOR/ TRANSMITTER (PIPE/DUCT) TOTAL STATIC PRESSURE THERMOSTAT
DWDI EAT EER EFF EG EJ ELTEC ESWC EXT FCO FCV FDC FLA FFM FOS FPM FPT FS FT2 FV GA	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE FREEZE PROTECTION THERMOSTAT FLOW SWITCH FEET SQUARE FEET FACE VELOCITY GAUGE	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T TBV TCV TDH TG TI TOD TOS TP TS TSP T'STAT TWR TYP	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER TEMPERATURE SENSOR/ TRANSMITTER (PIPE/DUCT) TOTAL STATIC PRESSURE THERMOSTAT TOWER TYPICAL
DWDI EAT EER EFF EG EJ ELT ELEC ESWC EXT FCO FCV FDC FLA FM FOS FPM FPT FS FT FT FV GAL GALV	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE FREEZE PROTECTION THERMOSTAT FLOW SWITCH FEET SQUARE FEET FACE VELOCITY GAUGE GALLONS GAVLANIZED STEEL	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SUCT SW SWSI T TBV TCV TDH TG TI TOD TOS TP TS TSP T'STAT TWR TYP UBC	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER TEMPERATURE SENSOR/ TRANSMITTER (PIPE/DUCT) TOTAL STATIC PRESSURE THERMOSTAT TOWER TYPICAL UNIFORM BUILDING CODE
DWDI EAT EER EFF EG EJ ELT ELSP EWT EXT FCO FCV FDC FLA FFM FOS FPM FPT FS FT FT FX GAL	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE FREEZE PROTECTION THERMOSTAT FLOW SWITCH FEET SQUARE FEET FACE VELOCITY GAUGE GALLONS GAVLANIZED STEEL GREASE INTERCEPTOR	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SW SWSI T TBV TCV TDH TG TI TOD TOS TP TS TSP T'STAT TWR TYP UBC UC UH	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER TEMPERATURE SENSOR/ TRANSMITTER (PIPE/DUCT) TOTAL STATIC PRESSURE THERMOSTAT TOWER TYPICAL UNIFORM BUILDING CODE UNDERCUT UNIT HEATER
DWDI EAT EEF EFG EFF EG ESPC EWT EXT FC FC FC FD FLA FF	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE FREEZE PROTECTION THERMOSTAT FLOW SWITCH FEET SQUARE FEET FACE VELOCITY GAUGE GALLONS GAVLANIZED STEEL GREASE INTERCEPTOR GALLONS PER DAY GALLONS PER HOUR	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SWCT SWSI T TBV TCV TDH TG TI TOD TOS TP TS TSP T'STAT TWR TYP UBC UC UH UMC	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER TEMPERATURE SENSOR/ TRANSMITTER (PIPE/DUCT) TOTAL STATIC PRESSURE THERMOSTAT TOWER TYPICAL UNIFORM BUILDING CODE UNDERCUT UNIT HEATER UNIFORM MECHANICAL CODE
DWDI EAT EER EFF EG ESPC EWT EXT FCO FCV FDC FLA FFM FOS FPM FFT FT FT FT GAL GPD GPM GPM	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE FREEZE PROTECTION THERMOSTAT FLOW SWITCH FEET SQUARE FEET FACE VELOCITY GAUGE GALLONS GAVLANIZED STEEL GREASE INTERCEPTOR GALLONS PER HOUR GALLONS PER MINUTE	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SW SWSI T TBV TCV TDH TG TI TOD TOS TP TS TSP T'STAT TWR TYP UBC UC UH	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER TEMPERATURE SENSOR/ TRANSMITTER (PIPE/DUCT) TOTAL STATIC PRESSURE THERMOSTAT TOWER TYPICAL UNIFORM BUILDING CODE UNDERCUT UNIT HEATER UNIFORM MECHANICAL CODE UNIFORM PLUMBING CODE
DWDI EAT EEF EG ELECTES EWT EXT FCOV FD C FLAR FM FOS FPM FPT FS FT FT FT GALLV GPPM GSM HB	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE FREEZE PROTECTION THERMOSTAT FLOW SWITCH FEET SQUARE FEET FACE VELOCITY GAUGE GALLONS GAVLANIZED STEEL GREASE INTERCEPTOR GALLONS PER DAY GALLONS PER MINUTE GALVANIZED SHEET METAL HOSE BIB	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SWSI T TBV TCV TDH TG TI TOD TOS TP TS TSP T'STAT TWR TYP UBC UC UH UMC UPC V VAC	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER TEMPERATURE SENSOR/ TRANSMITTER (PIPE/DUCT) TOTAL STATIC PRESSURE THERMOSTAT TOWER TYPICAL UNIFORM BUILDING CODE UNDERCUT UNIT HEATER UNIFORM MECHANICAL CODE UNIFORM PLUMBING CODE VENT/VOLD VACUUM
DWDI EAT EEF EFF EG EJ LITEC ESPC EXT FCOV FDC FLR FOSV FPT FST FT2 FV GALV GPPM GPM HB HC	DOUBLE WIDTH DOUBLE INLET ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO EXHAUST FAN EFFICIENCY EXHAUST GRILLE EXPANSION JOINT ELEVATION ENTERING ELECTRICAL EXTERNAL STATIC PRESSURE ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXTERNAL FAHRENHEIT FORWARD CURVED FLOOR CLEANOUT FLOW CONTROL VALVE FIRE DAMPER/FLOOR DRAIN FIRE DEPARTMENT CONNECTION FULL LOAD AMPS FLOOR FLOW METER FUEL OIL RETURN FUEL OIL SUPPLY FUEL OIL TANK VENT FEED PER MINUTE FREEZE PROTECTION THERMOSTAT FLOW SWITCH FEET SQUARE FEET FACE VELOCITY GAUGE GALLONS GAVLANIZED STEEL GREASE INTERCEPTOR GALLONS PER HOUR GALLONS PER MINUTE GALVANIZED SHEET METAL HOSE BIB HEATING COIL	RWL SA SCFM SD SDS SF SFD SFT SG SH SP SS ST STRUCT SWSI T TBV TCV TDH TG TI TOD TOS TP TS TSP T'STAT TWR TYP UBC UH UMC UPC V VAC VEL	BACKFLOW PREVENTER RAIN WATER LEADER SUPPLY AIR STANDARD CUBIC FEET PER MINUTE SMOKE DETECTOR STORM DRAINAGE SYSTEM SUPPLY FAN SMOKE FIRE DAMPER SERIES FAN TERMINAL SUPPLY GRILLE SENSIBLE HEAT STATIC PRESSURE/SEWAGE PUMP SANITARY SEWER STEAM STRUCTURAL SUCTION SERVICE WATER SINGLE WIDTH SINGLE INLET THERMOMETER/TRAP TOWER BYPASS VALVE TEMPERATURE CONTROL VALVE TOTAL DYNMAIC HEAD TRANSFER GRILLE TOP INVERT TOP OF DUCT TOP OF STEEL TOTAL PRESSURE/TRAP PRIMER TEMPERATURE SENSOR/ TRANSMITTER (PIPE/DUCT) TOTAL STATIC PRESSURE THERMOSTAT TOWER TYPICAL UNIFORM BUILDING CODE UNDERCUT UNIT HEATER UNIFORM BUILDING CODE UNIFORM PLUMBING CODE VENT/VOLD VACUUM VELOCITY
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DRAWI	N BY:	СМВ
DATE:	RIGHT TO:	10 MAY 2024

SHEET #:

SHEET TITLE:

MECHANICAL

ABBREVIATIONS,

SYMBOLS,

MOC

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DOMESTIC WATER PIPE AND FITTINGS

2.01 ABOVE GRADE PIPING

TYPE "L", HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS, ASTM B88, SILVER, OR 95 5 SOLDER

2.02 VALVES

BALL VALVES

VALVE SHALL BE THREADED, RATED 150 PSI SWP AND 600-PSI CWP AND HAVE 2 PIECE FULL PORT CAST RED BRONZE BODIES (NO YELLOW BRASS CONTAINING MORE THAN 15 PERCENT ZINC), ASTM B61, ASTM B62, OR ASTM B584. TFE SEATS AND SEALS, SEPARATE PACKING NUT WITH ADJUSTABLE STEM PACKING, ANTI BLOWOUT STEM, AND STAINLESS STEEL BALL AND STEM. VALVE SHALL CONFORM TO MSS SP 110. NIBCO T 585 70 66.

2.03 PRESSURE REDUCING VALVES

SPRING-ACTUATED DIAPHRAGM TYPE WITH ADJUSTABLE RANGE, BRONZE BODY CONSTRUCTION FOR SIZES 2.00 INCHES AND UNDER, 300 PSIG WORKING INLET PRESSURE, AND 160 DEGREES F WORKING TEMPERATURES, WITHOUT STRAINER. WATTS SERIES 223, OR ZURN-WILKINS

2.04 PLUMBING INSULATION

PREFORMED PIPE INSULATION, ASTM C547 TYPE I, JOHNS MANVILLE MICRO-LOK, OWENS CORNING FIBERGLASS ASJ/SSL-II OR KNAUF EARTHWOOL 1000° PIPE INSULATION. DENSITY OF 3 LB/FT^3 WITH THERMAL CONDUCTIVITY OF NOT MORE THAN 0.23 AT 75°F AVERAGE TEMPERATURE.

STEAM PIPE AND FITTINGS

2.01 STEAM PIPE:ASTM A106 GRADE B OR ASTM A53 GRADE B SEAMLESS SCHEDULE 40 BLACK STEEL. PIPE MANUFACTURED BY ELECTRIC FUSION METHODS IS NOT PERMITTED.

2.02 STEAM FITTINGS AND JOINTS (2.00 INCH AND SMALLER):

300 POUND MALLEABLE IRON THREADED FITTINGS (ASME B16.3) AND THREADED JOINTS, OR STANDARD-WEIGHT CARBON STEEL BUTT-WELD FITTINGS (ASME B16.9) AND BUTT-WELD JOINTS. ELBOWS SHALL BE LONG RADIÙS TYPE.

2.03 CONDENSATE RETURN PIPE: ASTM A53 OR ASTM A106, GRADE B SCHEDULE 80 BLACK STEEL.

2.04 CONDENSATE RETURN FITTINGS AND JOINTS: SCHEDULE 40 CLASS 150 FOR SCREWED FITTINGS. SCHEDULE 80 CLASS 300 FOR WELDED FITTINGS.

2.05 STEAM BUCKET TRAPS: CAST IRON, INVERTED BUCKET TRAP WITH SIDE INLET AND SIDE OUTLET WITH 250 PSIG WORKING PRESSURE. BUCKET AND VALVE SHALL BE EASILY REMOVABLE WITHOUT DISCONNECTING PIPING. MINIMUM PIPE CONNECTION SIZE SHALL BE 0.75 INCH. FIXED PIVOT MECHANISMS OR RIGIDLY CONSTRAINED VALVES SHALL NOT BE ACCEPTABLE. STEAM TRAP SHALL BE ARMSTRONG 800 #38.

2.06 STEAM INSULATION: ON STEAM AND STEAM CONDENSATE PIPING, ELBOWS, JOINTS, FITTINGS, AND ACCESSORIES, PROVIDE PRE-FORMED PIPE TYPE, MINERAL FIBER THERMAL INSULATION THAT MEETS SPECIFIED REQUIREMENTS OF ASTM C547 FOR TYPE 1, GRADE A. THICKNESS OF INSULATION SHALL BE AS CALLED FOR IN "INSULATION SCHEDULE" FOR FLUID DESIGN OPERATING TEMPERATURE. INSULATION JACKET SHALL BE FIBERGLASS REINFORCED SCRIM WITH ALUMINUM FOIL BACKING, ASJ SSL. APPLY AN ADDITIONAL 20-MIL PVC JACKET TO PIPING, ELBOWS, JOINTS, FITTINGS, AND ACCESSORIES.

2.07 GATE VALVE, BRONZE:

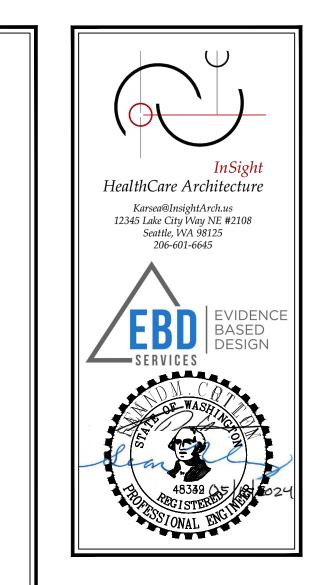
CLASS 150, THREADED, BRONZE, UNION BONNET, RISING STEM, SOLID WEDGE, 150 PSI SATURATED STEAM TO 366 DEGREES F. CONFORMS TO MSS SP-80.

CLASS 125, FLANGED, IRON BODY, BOLTED BONNET, OUTSIDE SCREW AND YOKE, SOLID WEDGE, BRONZE MOUNTED, 125 PSI SATURATED STEAM TO 353 DEGREES F. CONFORMS TO MSS SP-70.

PIPING INSULATION SCHEDULE						
INSULATION THICKNESS						
LESS THAN 1"	1"-1.25"	1.5"-3"				
1"	1"	1"				
1"	1"	1.5"				
3"	4"	4.5"				
	INSU LESS THAN 1" 1"	INSULATION THICK LESS THAN 1" 1"-1.25" 1" 1" 1" 1"				

	EQUIPMENT CONNECTIONS							
							COMPRESSED	
EQUIPMENT	COLD WATER	HOT WATER	PURE WATER	STEAM	CONDENSATE	DRAIN	AIR	VENT
CART WASHER	1"	1"	-	1-1/2"	1"	4"	1/2"	6"

	PRESSURE REDUCING VALVE SCHEDULE				
MARK	MARK SERVICE SIZE PRESSURE SETTTING MANUFACTURER AND MODEL				
PRV-1	DOMESTIC COLD WATER	1"	50	WATTS LF223-HP	
PRV-2	DOMESTIC HOT WATER	1"	50	WATTS LF223-HP	



Central Ste
PROJECT NAME:
MultiCare 🔼 Tacoma General Ho
OWNER:

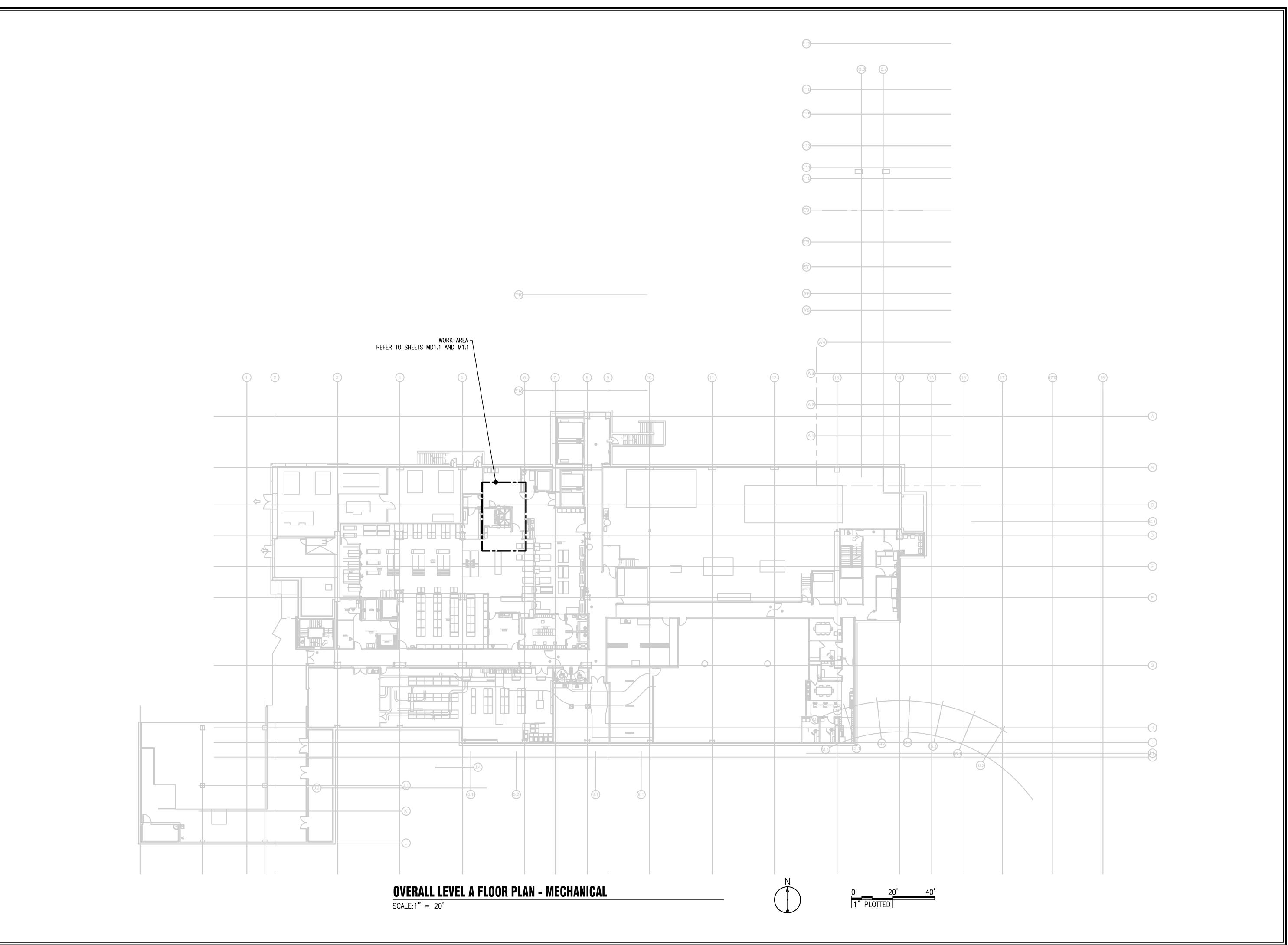
Cart Washer Good Samaritan

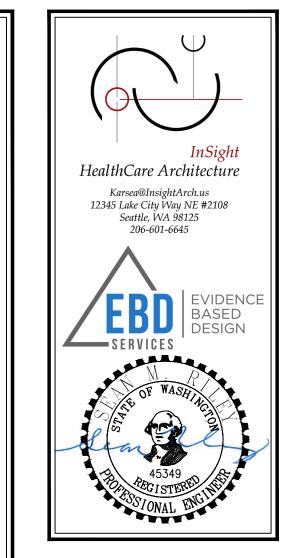
Hospital 401 15th Ave SE Puyallup, WA 98372 MARK DATE DESCRIPTION

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DATE: COPYRIGHT TO:

SHEET TITLE: MECHANICAL SPECIFICATIONS





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 PROJECT NO.
 B24-1038

 DRAWN BY:
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DATE: 10 MAY 2024 COPYRIGHT TO:

SHEET TITLE:

OVERALL

LEVEL A FLOOR

PLAN
City of Puyallup

Development & Permitting Services

MECHANISHOP ENTITY

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GENERAL NOTES:

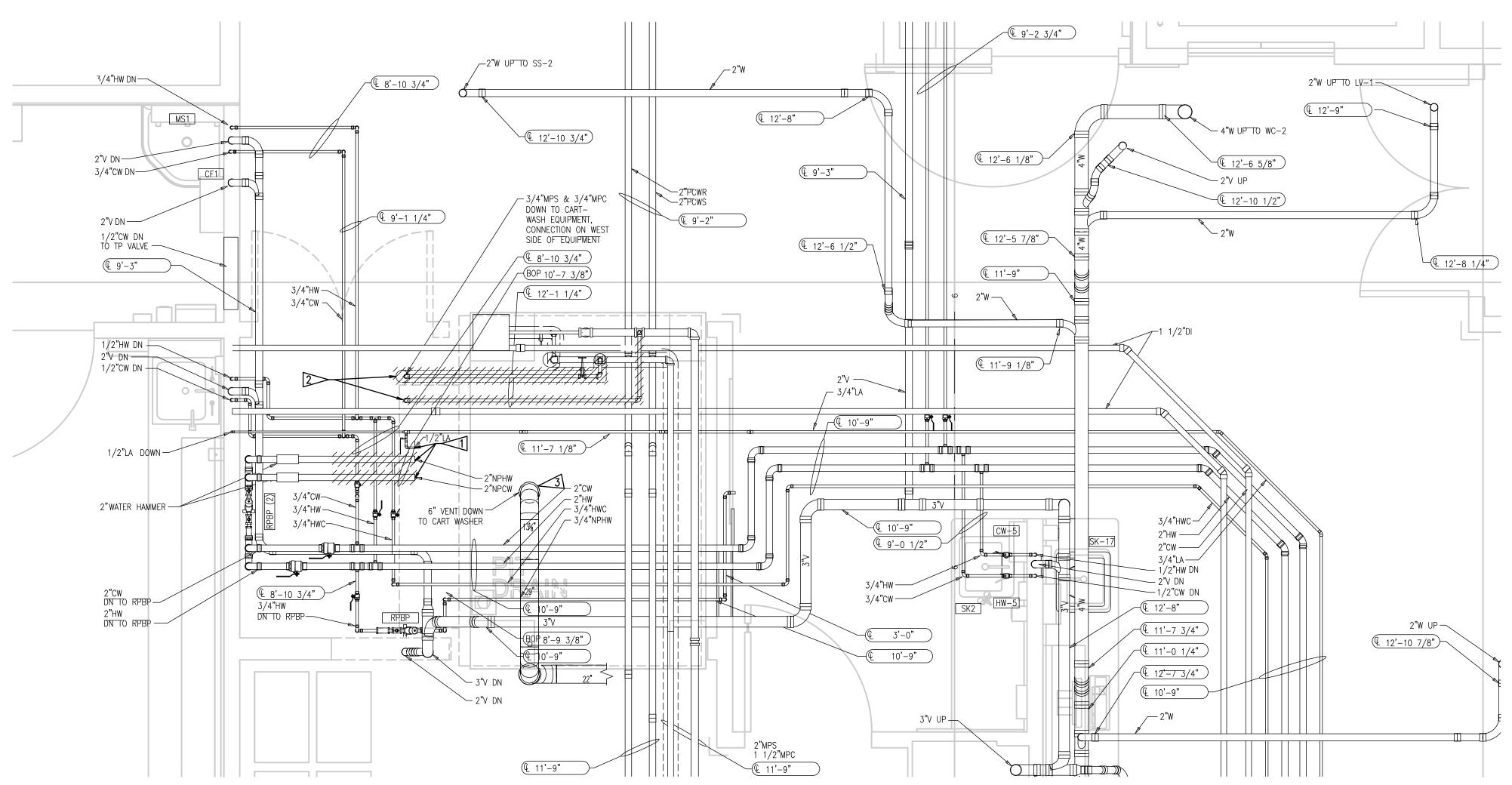
1. CONTRACTOR SHALL LOCATE STEAM AND CONDENSATE ISOLATION VALVES AND COORDINATE WITH OWNER FOR A STEAM COOLDOWN, INSTALLATION OF NEW STEAM AND CONDENSATE CONNECTIONS, AND A CONTROLLED WARM UP OF THE ISOLATED AREA.

FLAG NOTES:

ISOLATE COMPRESSED AIR, COLD WATER AND HOT WATER LINES AND REUSE FOR CONNECTION.

2 DEMO EXISTING STEAM AND CONDENSATE CONNECTIONS TO MAIN.

DISCONNECT EXISTING 6" STAINLESS STEEL VENT CONNECTION AND REUSE FOR NEW CARTWASHER.

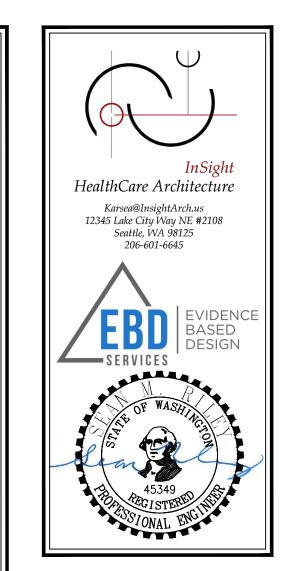


ENLARGED LEVEL A FLOOR PLAN - MECHANICAL DEMOLITION

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







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Mult	tiCare / oma Ge	a neral Hospit
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MARK	-	WA 98372
MARK	DATE	DESCRIPTION
	5/10/2024	PERMIT SET
PRO.IF	CT NO.	B24-103

PROJECT NO. B24-103

DRAWN BY: CM

DATE: 10 MAY 2024 COPYRIGHT TO:

SHEET TITLE:

ENLARGED

LEVEL A FLOOR

PLAN
City of Puyallup

Development & Permitting Services

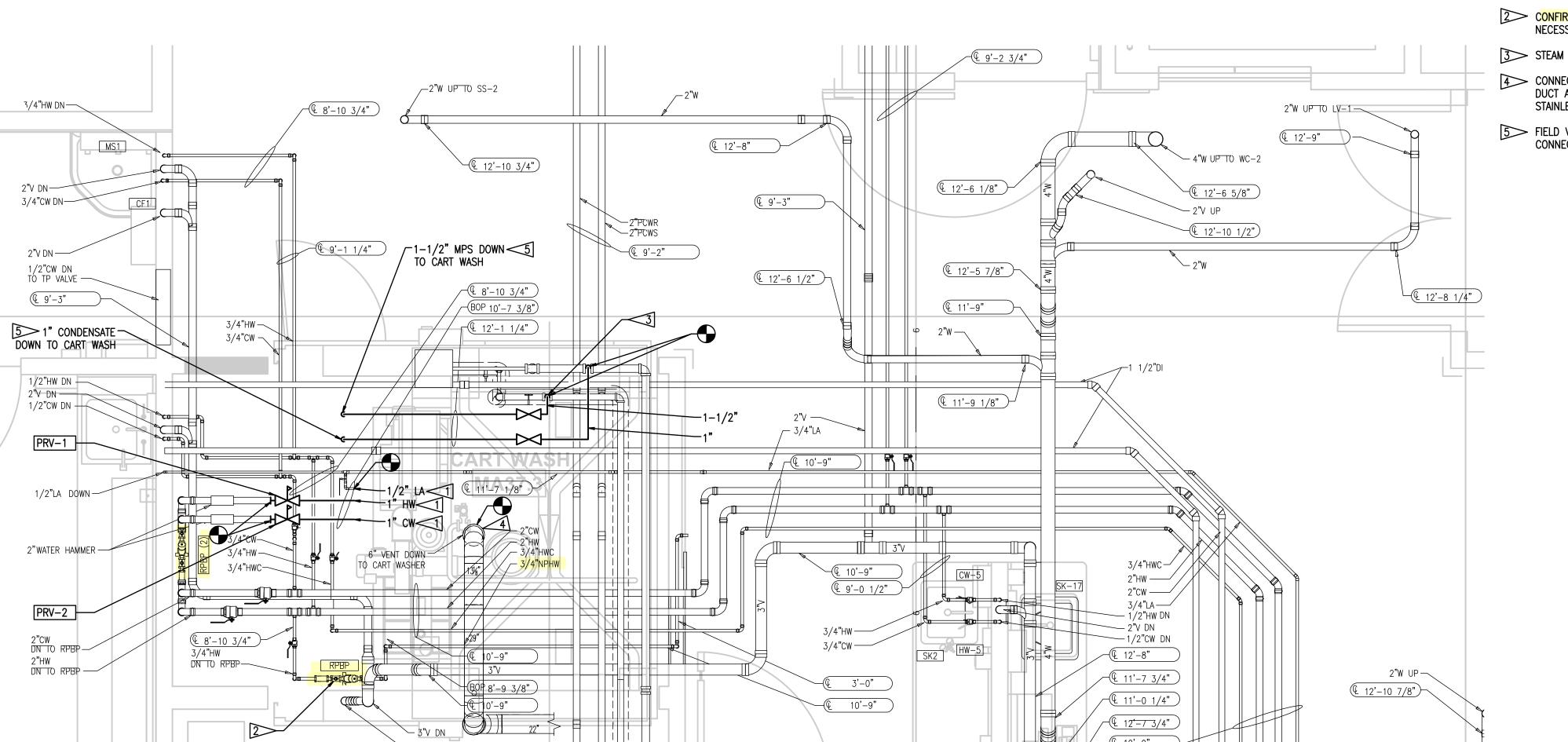
MECHAPITAL PROPERTY | Property |

DEMO Profice Public Works
SHEET #:

MD1.1

GENERAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF PIPES AND DUCTWORK AROUND THE CART WASHER. RELOCATE AS NECESSARY FOR THE REMOVAL OF THE EXISTING AND INSTALLATION OF THE NEW UNIT.



Verify cross connection devices are installed and tested.

- FIELD VERIFY AND CONNECT COMPRESSED AIR, COLD WATER, AND HOT WATER LINES TO NEW CART WASHER CONNECTION POINTS.
- 2 CONFIRM THAT ADEQUATE CLEARANCE REMAINS FOR ACCESS TO THE RPBP. RELOCATE IF NECESSARY.
- 3>> STEAM PIPE SHALL TAP INTO THE TOP OF THE STEAM MAIN.
- CONNECT STAINLESS STEEL VENT TO CART WASHER. FIELD VERIFY LOCATION AND MODIFY DUCT AS NECESSARY TO MAKE CONNECTION. FOLLOW SMACNA GUIDELINES FOR WELDED STAINLESS DUCTWORK.
- FIELD VERIFY AND CONNECT STEAM AND CONDENSATE LINES TO NEW CART WASHER CONNECTION POINTS.

Cart Washer Replacement Good Samaritan Hospital 401 15th Ave SE Puyallup, WA 98372 MARK DATE DESCRIPTION 5/10/2024 PERMIT SET B24-1038

HealthCare Architecture Karsea@InsightArch.us 12345 Lake City Way NE #2108 Seattle, WA 98125 206-601-6645 OWNER:

MultiCare 🔠 Tacoma General Hospital

PROJECT NAME:

Central Sterile

10 MAY 2024 DATE: COPYRIGHT TO:

SHEET TITLE: ENLARGED LEVEL A FLOOR PLAN - City of Puyallup MECH Building Permitting

SHEET #:

M1.1

ENLARGED LEVEL A FLOOR PLAN - MECHANICAL

 $\frac{}{\text{SCALE:}1/2" = 1'-0"}$

3/4"HW DN—

3/4"CW DN-

1/2"HW DN —

2"V DN —

PRV-1

PRV-2

2"CW DN TO RPBP — 2"HW DN TO RPBP —

SPECIFICATIONS:

PART 1 — GENERAL

- 1.1 GENERAL CONDITIONS
- A. THE WORK UNDER THIS DIVISION INCLUDES FURNISHING ALL PERMITS, MATERIALS, EQUIPMENT, LABOR, SUPERVISION, TOOLS, EXPENSES, TRAVEL, AND ITEMS NECESSARY FOR THE CONSTRUCTION, INSTALLATION, CONNECTION, TESTING AND OPERATION OF ALL ELECTRICAL WORK FOR THIS PROJECT, AS INTENDED BY THE CONTRACT DOCUMENTS.
- B. THE GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND SPECIAL CONDITIONS ARE A PART OF THIS CONTRACT AND APPLY TO THIS SECTION AS FULLY AS IF REPEATED HEREIN.
- . PROVIDE ALL DISCONNECTS REQUIRED BY CODE FOR EQUIPMENT FURNISHED UNDER THIS AND OTHER DIVISIONS OF THESE SPECIFICATIONS UNLESS DISCONNECTS ARE INTEGRAL WITH EQUIPMENT AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.

1.2 SCOPE

- A. PROVIDE BRANCH POWER AND ASSOCIATED BRANCH CIRCUITING.
- B. PROVIDE ALL ASSOCIATED ELECTRICAL WORK AS REQUIRED TO EXTEND POWER CONNECTIONS TO NEW LIGHTING AND LIGHTING CONTROLS.

1.3 CODES AND REGULATIONS

- A. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND THE UTILITY FURNISHING SERVICES FOR THE SPECIFIC FACILITY LOCATION.
- B. CODES GOVERNING THIS WORK INCLUDE BUT ARE NOT LIMITED TO THE LATEST ADOPTED EDITION OF THE FOLLOWING:
- NFPA 70 (NATIONAL FIRE PROTECTION ASSOCIATION) NATIONAL ELECTRICAL CODE (NEC) AS AMMENDED BY WASHINGTON CITIES (2020 WCEC) NFPA 72 (NATIONAL FIRE PROTECTION ASSOCIATION) NATIONAL FIRE ALARM AND SIGNALING CODE
- NFPA 101 (NATIONAL FIRE PROTECTION ASSOCIATION) LIFE SAFETY CODE WSEC - 2021 COMMERCIAL

1.4 STANDARDS

- A. ELECTRICAL MATERIAL AND EQUIPMENT SHALL BE UNDERWRITER'S LABORATORIES LISTED AND INSTALLED IN ACCORDANCE WITH THE LISTING AND LABELING OF THE EQUIPMENT.
- B. INSTALLATION SHALL CONFORM TO THE NECA (NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION) STANDARD OF INSTALLATION.

1.7 PERMITS AND DRAWINGS

- A. PERMITS AND INSPECTIONS SHALL BE OBTAINED, COORDINATED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.
- B. THE CONTRACTOR SHALL PAY ALL FEES AND TAXES FOR THE TOTAL COST OF CONSTRUCTION, INCLUDING CONTRACTOR AND OWNER FURNISHED MATERIALS AND EQUIPMENT AS SHOWN AND SPECIFIED.
- C. THE CONTRACTOR SHALL OBTAIN AND PAY THE PLAN REVIEW FEE.
- D. THE CONTRACTOR SHALL PAY FOR PLAN REVIEW FEES AND RE-INSPECTIONS RESULTING FROM SUBSTITUTIONS. FEES DUE TO SUBSTITUTIONS SHALL BE AT NO COST TO THE OWNER.
- E. THE CONTRACTOR SHALL INCLUDE APPLICABLE PLAN REVIEW FEES AND RE-INSPECTION FEES IN CHANGE ORDER PROPOSALS.

1.8 RECORD DRAWINGS

A. ON A SET OF CONTRACT DRAWINGS KEPT AT THE SITE DURING CONSTRUCTION, MARK ALL WORK THAT IS INSTALLED DIFFERENTLY FROM THAT SHOWN, INCLUDE ANY REVISED CIRCUITRY, MATERIAL OR EQUIPMENT, UPON CONCLUSION OF THE WORK, DELIVER TO THE OWNER REPRESENTATIVE A SET OF SIGNED AND DATED "AS-BUILT" DRAWINGS.

1.9 WARRANTY

- A. ALL WORK SHALL INCLUDE A WARRANTY FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. THE WARRANTY PERIOD FOR CERTAIN ITEMS SHALL BE LONGER, AS INDICATED IN THE SPECIFICATIONS FOR THOSE ITEMS.
- B. SHOULD ANY MALFUNCTION DEVELOP DURING THE WARRANTY TIME PERIOD DUE TO DEFECTIVE MATERIAL, FAULTY WORKMANSHIP, OR NON-COMPLIANCE WITH PLANS, SPECIFICATIONS, CODE OR DIRECTIONS OF THE OWNER OR OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL FURNISH ALL NECESSARY LABOR AND MATERIALS TO CORRECT THE MALFUNCTION AT NO ADDITIONAL COST TO THE OWNER.

PART 2 - PRODUCTS

2.1 MATERIAL

- A. MATERIALS SHALL BE NEW, FREE OF DEFECTS AND OF CURRENT MANUFACTURE. EXISTING MATERIALS SHALL NOT BE REUSED UNLESS SPECIFICALLY NOTED OTHERWISE.
- 2.2 WIRE AND CABLE (600 VOLT AND LESS).
- A. PRODUCTS SHALL COMPLY WITH UL 44 AND UL 83 SINGLE CONDUCTOR INSULATED
- B. WIRE AND CABLE FOR USE ON SYSTEMS OF 600 VOLTS AND LESS SHALL BE 600 VOLT WITH NEC TYPE THHN/THWN OR XHHW INSULATION FOR BRANCH CIRCUITS AND FEEDERS SMALLER THAN #2AWG. XHHW INSULATION SHALL BE USED FOR #2AWG AND LARGER FEEDER CONDUCTORS.
- 1.1. USE TYPE THHN/THWN CONDUCTORS FOR ALL BRANCH POWER AND LIGHTING CIRCUITS.
- 1.2. USE TYPE XHHW IN AMBIENT TEMPERATURES BELOW 32°F. USE TYPE XHHW-2 FOR ALL WIRING CONNECTED TO GFCI BREAKERS.
- C. ALL CONDUCTORS SHALL BE COPPER.
- D. ALL GROUNDING CONDUCTORS SHALL BE INSULATED.
- E. MC OR HCF-MC CABLE IS NOT PERMITTED.

2.3 RACEWAY AND BOXES

- A. ELECTRICAL METALLIC TUBING, ZINC COATED: ANSI C80.3: COUPLINGS AND CONNECTORS SHALL BE STEEL GALVANIZED, COMPRESSION TYPE WITH GLAND SEALING RINGS.
- B. FLEXIBLE METAL CONDUIT: UL 1: FLEXIBLE METAL CONDUIT SHALL BE GALVANIZED STEEL OR ALUMINUM. WHERE EXPOSED TO DAMP OR WET LOCATIONS FLEXIBLE CONDUIT SHALL BE LIQUID-TIGHT WITH OUTER SUITABLE LIQUID-TIGHT FITTINGS LISTED FOR THE PURPOSE.
- C. OUTLET AND JUNCTION BOXES: OUTLET AND JUNCTION BOXES SHALL BE GALVANIZED, ONE-PIECE PRESSED OR WELDED STEEL, KNOCKOUT TYPE EXCEPT AS OTHERWISE NOTED OR SPECIFIED.
- D. PROVIDE FIRE-STOPPING WHERE CONDUIT PASSES THROUGH A RATED ASSEMBLY.

2.5 FUSIBLE SWITCHES

- A. TYPE GD, GENERAL DUTY, SINGLE THROW, 100 A AND SMALLER: UL 98 AND NEMA RATING AS NOTED ON DRAWINGS, HORSEPOWER RATED, WITH CARTRIDGE FUSE INTERIORS, LOCKABLE HANDLE WITH CAPABILITY TO ACCEPT TWO PADLOCKS, AND INTERLOCKED WITH COVER IN CLOSED POSITION.
- B. TYPE HD, HEAVY DUTY, SINGLE THROW, LARGER THAN 100 AMP: UL 98 AND NEMA KS 1, HORSEPOWER RATED, WITH CLIPS OR BOLT PADS TO ACCOMMODATE FUSES, LOCKABLE HANDLE WITH CAPABILITY TO ACCEPT THREE PADLOCKS, AND INTERLOCKED WITH COVER IN CLOSED POSITION.

C. ACCESSORIES:

- 1.1. CLASS R FUSE KIT: PROVIDES REJECTION OF OTHER FUSE TYPES WHEN CLASS R FUSES ARE SPECIFIED.
- 2.5 NONFUSIBLE SWITCHES
- A. NAMEPLATES
- 1. PROVIDE PERMANENTLY ATTACHED NAMEPLATES (WITH MECHANICAL FASTENERS) CONSTRUCTED OF PLASTIC (BLACK ON WHITE) LAMINATED MATERIAL ENGRAVED THROUGH BLACK SURFACE MATERIAL TO WHITE SUBLAYER. INCLUDE THE FOLLOWING INFORMATION: LOAD NAME, VOLTAGE AND PHASE AND TYPE.

2.7 GROUNDING

- A. PROVIDE COPPER GROUNDING.
- B. PROVIDE DEDICATED NEUTRAL (NO SHARED NEUTRALS) WITH ALL BRANCH CIRCUITS IN EACH CONDUIT. USE OF MULTI-POLE BREAKERS OR BREAKER TIES IN LIEU OF DEDICATED NEUTRALS IS NOT PERMITTED.
- C. ALL CONDUITS WILL BE PROPERLY BONDED WITH INSULATED GROUND WIRE RUN WITH CONDUCTORS.

PART 3 — EXECUTION

- 3.1 INSTALLATION OF ELECTRICAL EQUIPMENT
- A. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, NECA STANDARD OF INSTALLATION AND IN ACCORDANCE WITH THE UL LISTING FOR THE EQUIPMENT OR MATERIAL.
- ALL DISCONNECTS, FUSES, CIRCUIT BREAKERS SHALL BE PROVIDED AS INDICATED AND FOR PROPER PROTECTION OF THE EQUIPMENT SERVED. PROVIDE ALL FLEXIBLE CONDUIT, BOXES, PULL BOXES, FITTINGS, SEALS, AND OTHER MATERIALS REQUIRED FOR A COMPLETE AN OPERATIONAL SYSTEM. THE WORK UNDER THIS DIVISION INCLUDES FURNISHING ALL PERMITS, MATERIALS,
- EQUIPMENT, LABOR, SUPERVISION, TOOLS AND ITEMS NECESSARY FOR THE CONSTRUCTION, INSTALLATION, CONNECTION, TESTING AND OPERATION OF ALL ELECTRICAL WORK FOR THIS PROJECT, AS INTENDED BY THE CONTRACT DOCUMENTS.

3.2 INSTALLATION OF RACEWAY AND FITTINGS

- A. INSTALL RIGID STEEL CONDUIT WHERE EXPOSED TO WEATHER, PLACED UNDERGROUND, IN OR UNDER CONCRETE OR MASONRY CONSTRUCTION, IN CONTACT WITH EARTH AND AS INDICATED ON PLANS.
- B. EMT MAY BE USED IN ABOVE GRADE INTERIOR DRY LOCATIONS AND WHERE PROTECTED FROM PHYSICAL DAMAGE.
- C. FLEXIBLE METAL CONDUIT SHALL BE USED WHERE REQUIRED TO MAKE CONNECTIONS TO VIBRATING OR ROTATING EQUIPMENT.
- D. ALL RIGID STEEL CONDUIT INSTALLED IN CONTACT WITH EARTH SHALL BE PVC COATED OR OTHERWISE PROTECTED WITH A BITUMASTIC MATERIAL.
- E. MINIMUM SIZE OF CONDUIT SHALL BE CODE SIZE FOR THE NUMBER AND SIZE OF CONDUCTORS UNLESS A LARGER SIZE IS INDICATED ON THE PLANS.
- F. WHERE PENETRATIONS ARE MADE THROUGH PARTITIONS, PROVIDE SEALING MATERIAL TO MAINTAIN THE FIRE RATING OF THE PARTITION. FOR EXTERIOR WALLS PROVIDE SLEEVES AND SEALING TO PREVENT WATER AND MOISTURE PENETRATION AND TO PREVENT VARMINT AND INSECT INTRUSION.
- 3.3 INSTALLATION OF CONDUCTORS AND EQUIPMENT CONNECTIONS
- A. ALL WIRING SHALL BE INSTALLED IN CONDUIT, WIREWAYS, OR GUTTERS EXCEPT WHERE OTHER RACEWAY SYSTEMS ARE SPECIFICALLY CALLED FOR.
- B. INSTALL WIRING ONLY AFTER RACEWAY INSTALLATION HAS BEEN COMPLETED CLEANED AND DRIED.
- C. PULLING LUBRICANTS APPROVED BY THE WIRE OR CABLE MANUFACTURE MAY BE UTILIZED.
- D. MAKE ALL CONNECTIONS AND SPLICES REQUIRED FOR COMPLETE AND OPERABLE ELECTRICAL INSTALLATION. CONNECTIONS AND SPLICES SHALL BE MADE ONLY IN JUNCTION, PULL OR OUTLET BOXES OR IN WIREWAYS, SWITCHBOARDS AND PANELBOARDS HAVING CODE SIZED GUTTER SPACE OR CROSS-SECTIONAL AREA. WIRES #8 AND SMALLER CONNECTIONS SHALL BE MADE WITH SPRING TYPE CONNECTORS; WIRES #6 AND LARGER, CONNECTIONS SHALL BE MADE WITH SPLIT-BOLT OR COMPRESSION TYPE SOLDERLESS CONNECTORS, INSULATED AND
- E. UPON COMPLETION OF WORK, UPDATED ALL PANEL DIRECTORIES WITH CORRECT CIRCUIT INFORMATION. PROVIDE PRINTED CIRCUIT DIRECTORIES IN PANELS AFFECTED BY THE PROJECT. PEN AND INK CHANGES TO THE EXISTING DIRECTORIES ARE NOT ACCEPTABLE.

3.4 GROUNDING

- A. PERMANENTLY AND EFFECTIVELY GROUND ALL CONDUIT, BOXES, ENCLOSURES AND EQUIPMENT TO COMPLY WITH NEC 250 AND ALL APPLICABLE CODES AND REGULATIONS.
- B. PROVIDE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS SIZED IN ACCORDANCE WITH NEC TABLE 250.122 WHETHER SPECIFICALLY CALLED FOR ON THE PLANS OR NOT.

3.5 PROTECTION OF PREMISES

- A. CONTRACTOR SHALL CLEAN WORK AREA AND REMOVE ALL CONSTRUCTION DEBRIS DAILY PRIOR TO LEAVING THE PREMISES.
- B. THE CONTRACTOR SHALL PROTECT ALL EXISTING SURFACES, MATERIALS, EQUIPMENT AND PROPERTY FROM DAMAGE AS RESULT OF CONSTRUCTION ACTIVITIES. DAMAGED SURFACES, MATERIALS, EQUIPMENT AND PROPERTY SHALL BE REPAIRED TO EXISTING CONDITIONS AT NO COST TO THE OWNER.

CIRCUITS

	-
	RACEWAY CONCEALED IN CEILING OR WALL
	EXISTING RACEWAY
	RACEWAY BELOW SLAB OR UNDERGROUND
	RACEWAY UP
	RACEWAY DOWN
	RACEWAY STUB-OUT WITH BUSHING
<u> </u>	CIRCUIT CONTINUATION
\longrightarrow	HOMERUN
	JUNCTION BOX
PB	PULL BOX

EQUIPMENT

DISCONNECT SWITCH

EQUIPMENT CONNECTION

CONTROLS

FUSED DISCONNECT SWITCH

WODE DEFINITION

WORK DEI IN	
	FLAG NOTE
#	REVISION IDENTIFICATION
	EQUIPMENT IDENTIFICATION
#	DETAIL REFERENCE
###	SECTION REFERENCE
$\bigcup_{i=1}^{N}$	PROJECT NORTH REFERNCE
	NEW WORK
	EXISTING CONDITIONS

FUTURE WORK

DEMOLISH EXISTING

GENERAL NOTES:

- 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

A,AMP	AMPERE	KWH	KILOWATT HOUR
ÁFF	ABOVE FINISHED FLOOR	LED	LIGHT EMITTING DIODE
AHJ	AUTHORITY HAVING	LS	LIFE SAFETY
	JURISDICTION	LTG	LIGHTING
AIC	AMPERE INTERRUPTING	MAX	MAXIMUM
	CAPACITY	MCB	MAIN CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER	MIN	MINIMUM
	SWITCH	MLO	MAIN LUGS ONLY
AWG	AMERICAN WIRE GAUGE	N	NEUTRAL
BKR	BREAKER	NEC	NATIONAL ELECTRICAL CODE
С	CONDUIT	NFPA	NATIONAL FIRE PROTECTION
CB	CIRCUIT BREAKER		ASSOCIATION
CKT	CIRCUIT	NTS	NOT TO SCALE
CLG	CEILING	OCPD	OVERCURRENT PROTECTIVE
COMM	COMMUNICATIONS		DEVICE
CU	COPPER	PB	PULLBOX
D	DATA	PNL	PANEL, PANELBOARD
DTS	DRAWN TO SCALE	PWR	POWER
FLA	FULL LOAD AMPS	RCPT	
G,GND		REF	
GEN	GENERATOR	SPECS	
GFI,GFCI	GROUND FAULT CIRCUIT	SW	SWITCH
	INTERRUPTER	SWBD	SWITCHBOARD
HP	HORSEPOWER	TYP	TYPICAL
HTR		٧	VOLT OR VOICE
JB,J-BOX		W	WIRE, WATT, OR WALLPHONE
KV	KILOVOLT	XFMR	TRANSFORMER
KVA	KILOVOLT AMPERE	Ø	PHASE
KW	KILOWATT		

STANDARD MOUNTING HEIGHTS

LOCATE DEVICES AS NOTED BELOW UNLESS OTHERWISE INDICATED. OUTLET HEIGHTS ARE MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE OUTLET UNLESS OTHERWISE NOTED.

SWITCHES

43" VERTICALLY MOUNTED

ELECTRICAL SHEET LIST

SHEET NUMBER	SHEET NAME
E0.0	ELECTRICAL SYMBOLS, ABBREVIATIONS, & SPECIFICATIONS
E1.0	OVERALL LEVEL A FLOOR PLAN — ELECTRICAL
E4.1	ENLARGED LEVEL A FLOOR PLANS — ELECTRICAL

ELECTRICAL PERMIT NOTES:

OLD EQUIPMENT TO BE REMOVED HAS A NAMEPLATE LOAD OF 17.5 FLA. NEW EQUIPMENT HAS A NAMEPLATE LOAD FROM THE MANUFACTURER OF 13.5 FLA. EQUIPMENT REPLACEMENT IS A NET LOAD REDUCTION.



Karsea@InsightArch.us 12345 Lake City Way NE #2108 Seattle, WA 98125 206-601-6645					
	EB-SERVI	DESIGN			
OWN	ER:				
	tiCare / oma Ge	neral Hospital			
Central Sterile Cart Washer Replacement Good Samaritan Hospital 401 15th Ave SE Puyallup, WA 98372					
MARK	DATE	DESCRIPTION			
	5/10/2024	PERMIT SET			

B24-1038

10 MAY 2024

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SHEET TITLE:

ELECTRICAL

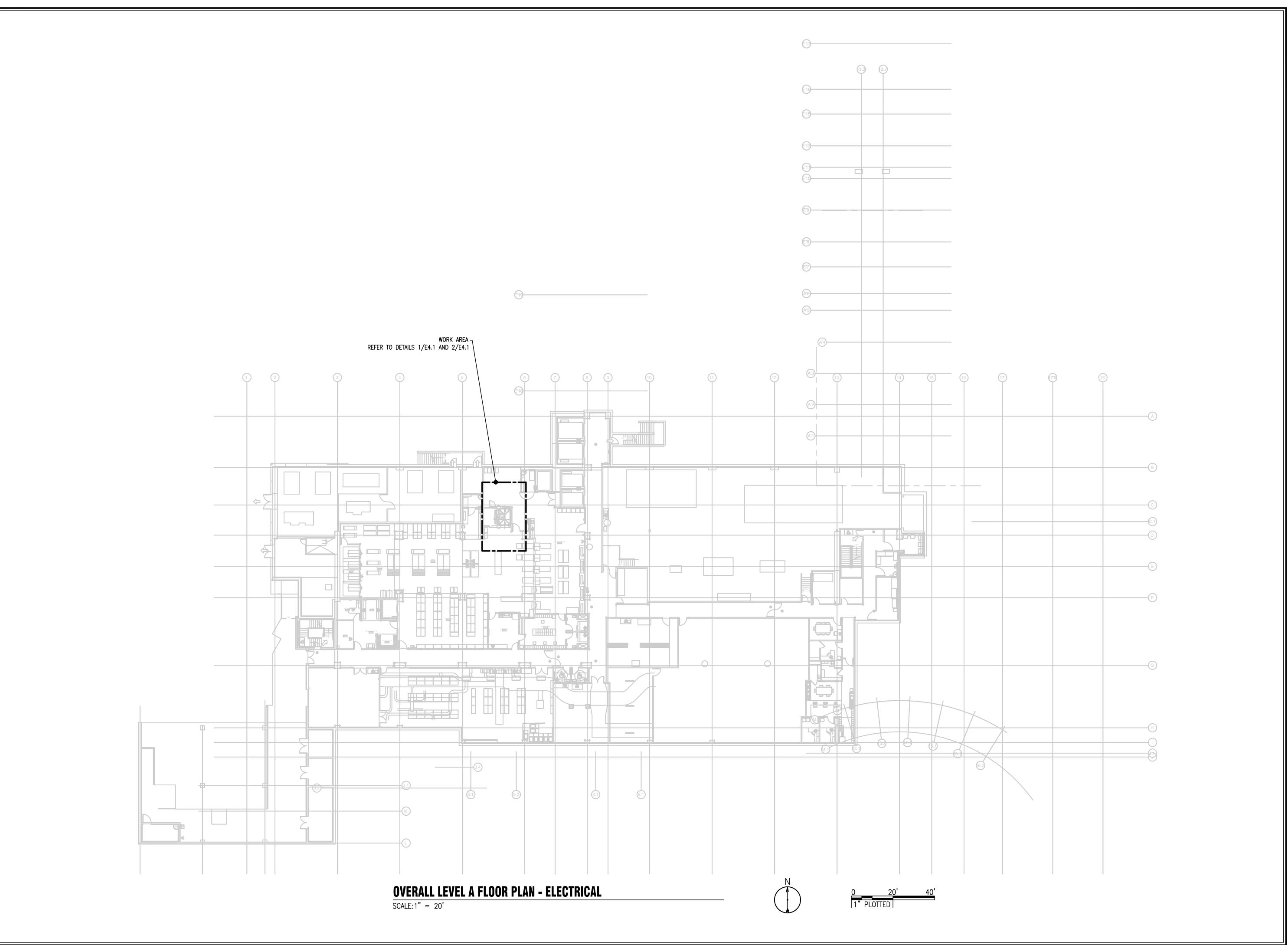
ABBREVIATIONS

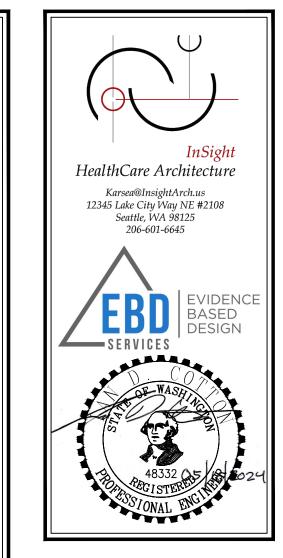
SPECIFICA TATONS

SYMBOLS,

SHEET #:

CMB





OWNER:

MultiCare Tacoma General Hospital PROJECT NAME: Central Steril Cart Washer Replacement Good Samaritan Hospital 401 15th Ave SE Puyallup, WA 9837			
MARK	DATE	DESCRIPTION	
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 PROJECT NO.
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 DRAWN BY:
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DATE: 10 MAY 2024 COPYRIGHT TO:

SHEET TITLE:

OVERALL

LEVEL A FLOOR

PLAN
City of Puyallup

Development & Permitting Services

Development & Permitting Services

PLECT Development & Permitting Services

SHEET #:

E1.0

PANEL SC	HEDULE										4EAPCTB	
480 Y/ 277 V OLTS		BRANCH POWER	BUS R	ATING:		AMPS	3		LOCATI	ION:	SPEC PANEL WITH: YE	S NO
3 -PHASE	PNL. MFR.:	SQUARE D	MAIN B	KR:					MOUNT	ING: SURFACE	FEED-THRU LUGS	Х
4 -WIRE	CAT. NO.:		AI.C. R	ATING:		AIC S	YM		FED FR	ROM: 4EAPCTA	DOUBLE LUGS	Х
		ı						T			200% NEUTRAL	X
CKT CIRCUIT DES	CRIPTION	LOAD LOCATION	CODE	LOAD	BKR	PH	BKR	LOAD	CODE	CIRCUIT DESCRIPTION	LOAD LOCATION	Ск
NO.		(ROOM NO. / GRID)		(kVA)	AMPS		AMPS	(kVA)			(ROOM NO. / GRID)	NO
1# EQUIPMENT MA37 DI	ECONTAM				1	-A-						27
3# WSHR/DSNFCTR					20/3	-B-	20/3			EQUIPMENT SP-1 AND SP-2, LEVEL	A	4
5#						-C-						6
7# EQUIPMENT MA37 DI	ECONTAM					-A-						8
9# WSHR/DSNFCTR					20/3	-B-	15/3			EQUIPMENT FCU-1, LEVEL A		10
11#						-C-						12
13# EQUIPMENT MA37.3 (CART					-A-	20/1			SPARE		14
15# WSHR/DSNFCTR (NO	OTE 1)				30/3	-B-	20/1			SPARE		16
17#						-C-	20/1			SPARE		18
19# EQUIPMENT MA44.6 :	STEAM					-A-	20/1			SPARE		20
21# STERILIZER					15/3	-B-	20/1		-	SPARE		22
23#						-C-	20/1			SPARE		24
25# EQUIPMENT MA44.6 :	STEAM				1.5.0	-A-	20/1			SPARE		26
27# STERILIZER					15/3	-B-	20/1			SPARE		28
29#						-C-	20/1			SPARE		30
31#						-A-				SPACE		32
RO PUMP					20/3	-B-			1	SPACE		34
35#						-C-			-	SPACE		36
37# SPARE					20/1	-A-	00.0		-			38
39# SPARE					20/1	-B-	20/3		1	DIRS Skid		40
41# SPARE					20/1	-C-						42
CODES: CONNECTI H = HVAC LOADS 0.00		ED LOAD CALCULATED DEMAI			D LOAD							
		0.0			0.00 kVA (100%)		EXISTING LOADS MARKED #. REVISED L		ED LOADS MARKED *.			
K = KITCHEN E	K = KITCHEN EQUIPMENT 0.00				0.00	0.00 k V A (100%)			EXISTING PANEL SCHEDULE PROVIDED FOR REFERENCE ONL			
L = LIGHTING I	LOADS	0.00 kVA 0.00 kVA (125%)				ENGINEE THE SOLE HOUR ENGINEER ENGINEER.						
LM = LARGESTS	SINGLE MOTOR	0.0	0.00 kVA 0.00 kVA (125%)			NOTES:						
		0 k V A		0.00 kVA (100%)			1. EXISTING CIRCUIT REUSED AND CONNECTED TO NEW CART		RT			
		0.0	0.00 k V A		0.00 kVA (0%)			WASHER. NO LOAD CHANGE.				
R = GENERAL	USE RECEPTACLE	ES 0.00	0.00 kVA 0.00 kVA (50%>10kVA)									
S = DEDICATE	S = DEDICATED RECEPTACLES		0.00 k V A		0.00 kVA (100%)							
Z = MISC. OR A	PPLIANCES	0.0) k V A		0.00	kVA	(100%)		_			
		TOTALS: 0.0) k V A		0.00	k V A						
		0.0	O AMPS		0	AMPS	3					

GENERAL DEMOLITION NOTES:

- 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.
- 2. 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.
- 3. 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.
- 4. RELOCATION OF ANY SYSTEM SHALL BE PERMANENT.
- 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 AREAS.
 - 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
 - PROVIDE TEMPORARY WIRING TO MAINTAIN OPERATION OF SYSTEM THROUGHOUT FACILITY.
 - c. SCHEDULE OUTAGE AND CONNECT TO TEMPORARY WIRING AND TEST SYSTEM.

E4.1 SCALE: 1/2" = 1'-0"

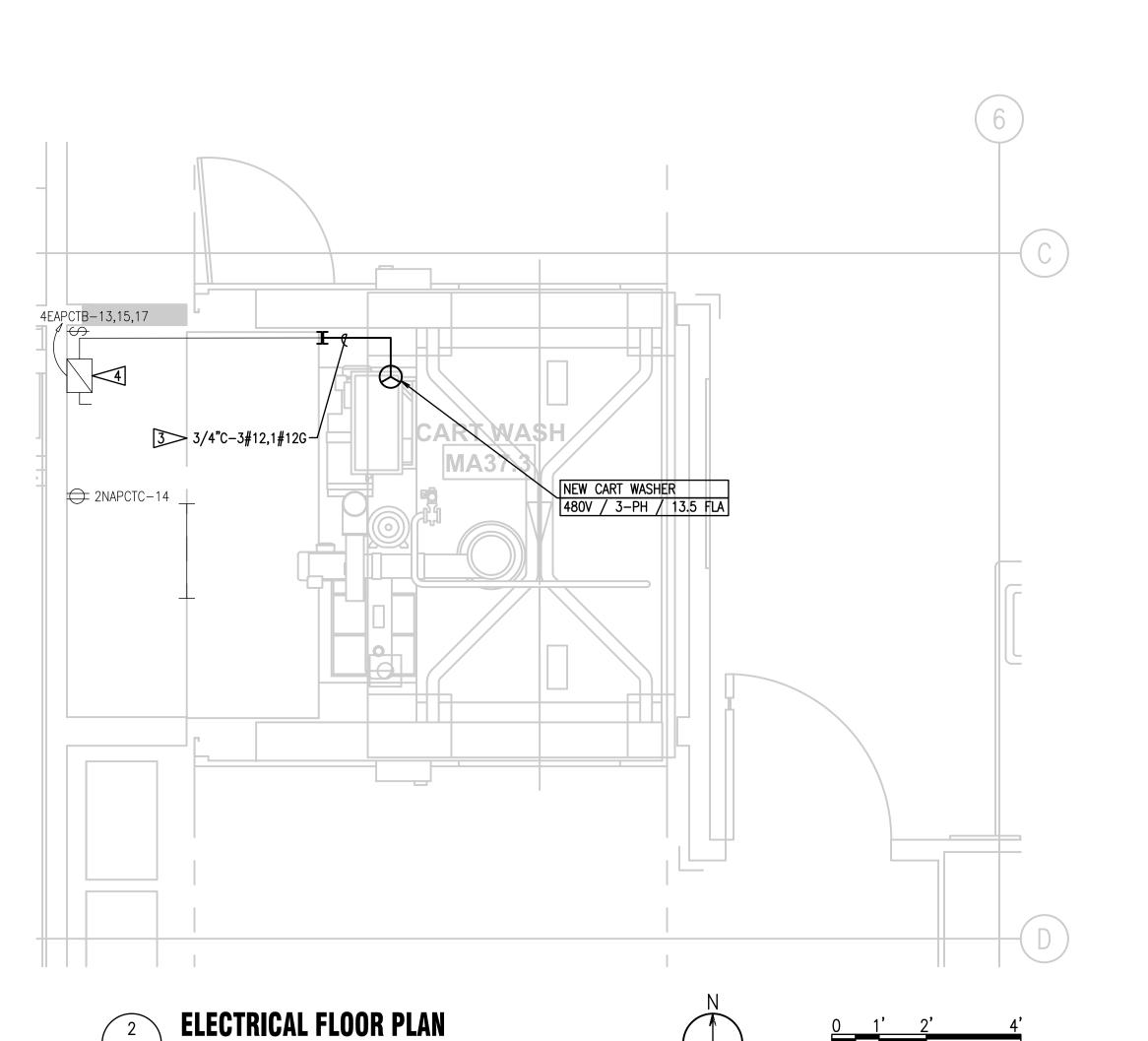
- d. PROVIDE NEW WIRING ON NEW LOCATION.
- e. SCHEDULE OUTAGE, DISCONNECT TEMPORARY WIRING, AND RECONNECT TO NEW WIRING. REMOVE TEMPORARY WIRING.

GENERAL NOTES:

1. COORDINATE FINAL EQUIPMENT LOCATION AND CONNECTION WITH MANUFACTURER INFORMATION AND COORDINATE ALL ELECTRICAL CONNECTIONS WITH EQUIPMENT DELIVERY SCHEDULE AS PROVIDED BY OWNER.

FLAG NOTES:

- REMOVE CONNECTION TO EXISTING CART WASHER EQUIPMENT AND DEMO BACK METALLIC LIQUID TIGHT FLEXIBLE CONDUIT TO CONNECTION TO EMT. COIL AND PRESERVE FOR CONNECTION TO NEW EQUIPMENT. SEE DETAIL 2/E4.1 FOR ADDITIONAL INFORMATION.
- DEMOLISH AND REPLACE DISCONNECT WITH NEW FUSED DISCONNECT IF EXISTING DOES NOT ALLOW FOR FUSES. SEE DETAIL 2/E4.1 FOR ADDITIONAL INFORMATION.
- CONNECT NEW CART WASHING EQUIPMENT. COORDINATE FINAL POINT OF CONNECTION WITH EQUIPMENT SHOP DRAWINGS AND MANUFACTURER PRIOR TO FINALIZING ROUGH—IN. PROVIDE METALLIC LIQUID TIGHT FLEXIBLE CONDUIT AND COUPLINGS AS NEEDED TO EXTEND TO NEW EQUIPMENT CONNECTION POINT AND PULL NEW CONDUCTORS AS NEEDED.
- PROVIDE NEW 30A SWITCH AND 20A FUSES AND MOUNT TO EXISTING UNISTRUT WALL MOUNTS. CONTRACTOR MAY REUSE EXISTING DISCONNECT SWITCH IF FUSE KIT IS
- MAINTAIN AND PROTECT EXISTING LIGHT FIXTURE. REMOVE AS NECESSARY TO COORDINATE WITH REPLACEMENT OF EXISTING CART WASHER. REINSTALL AND CONNECT TO EXISTING CIRCUIT.





MultiCare Tacoma General Hospital

PROJECT NAME:

Central Sterile Cart Washer Replacement

Good Samaritan

Hospital

401 15th Ave SE
Puyallup, WA 98372

MARK DATE DESCRIPTION

5/10/2024 PERMIT SET

JECT NO. B24-1038

DATE: 10 MAY 2024 COPYRIGHT TO:

SHEET TITLE:

ENLARGED

LEVEL A FLOOR

PLANS
City of Puyallup

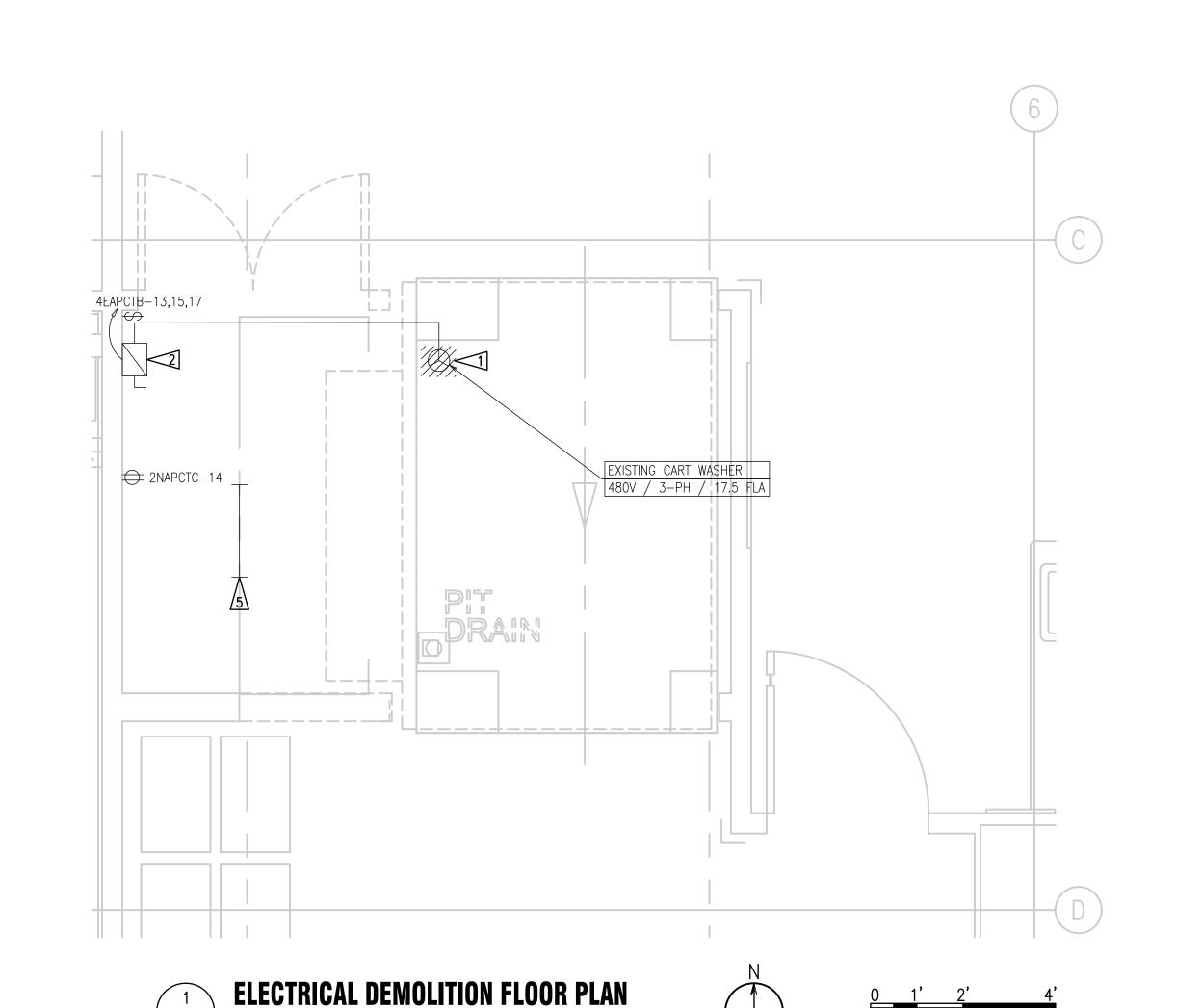
Development & Permitting Services

ELECT

Fulding Francing

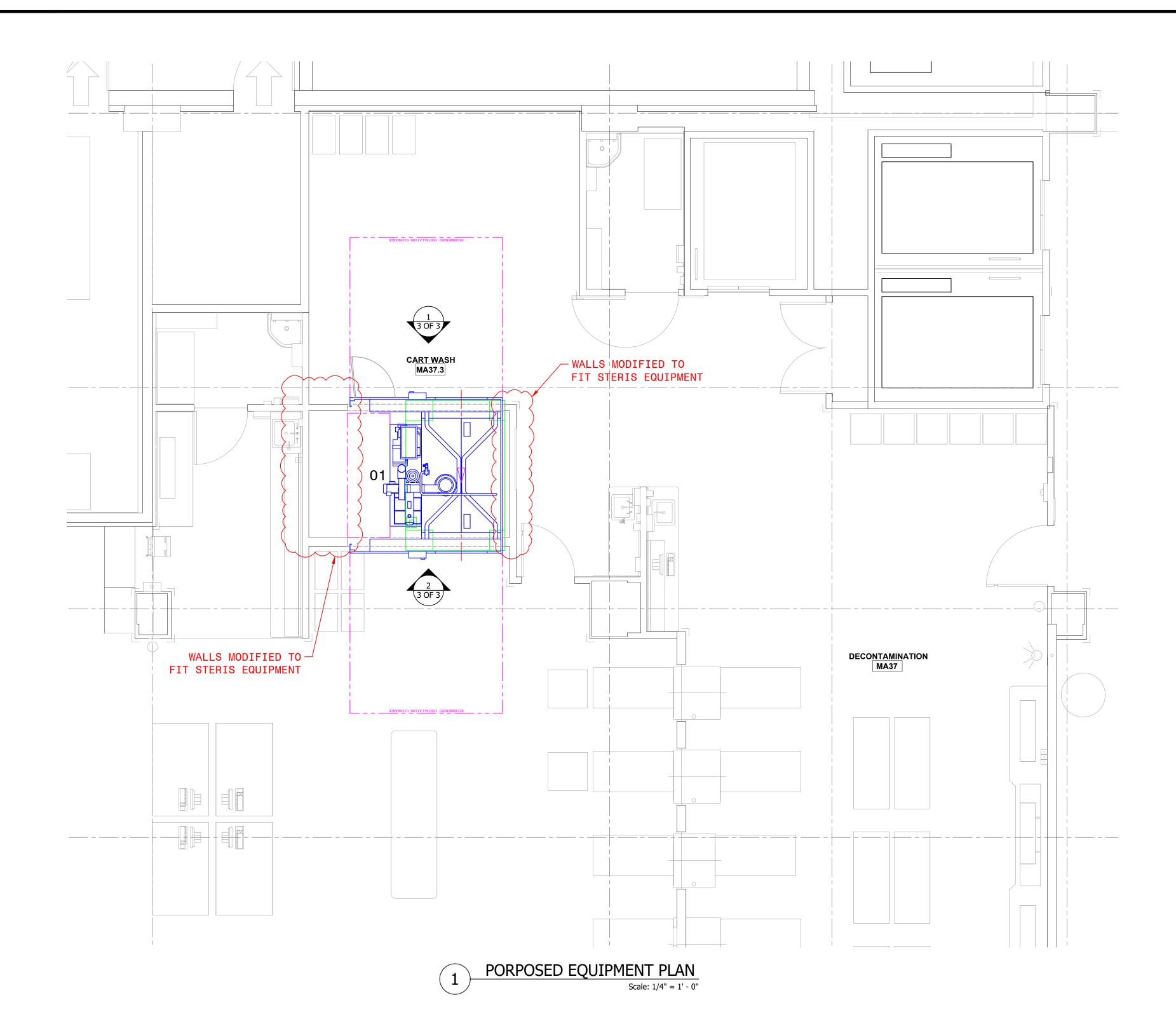
SHEET #:

E4.1



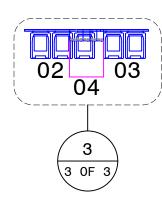
E4.1 SCALE: 1/2" = 1'-0"





EQUIPMENT LIST

FOR EACH WASHER/CART WASHER, A 3" I.D. CONDUIT REQUIRED FROM DETERGENT PUMP LOCATION(S) TO WASHER LOCATION(S) - NOT PROVIDED BY STERIS



2 ACU-HOLD & DETERGENT DOSING SYSTEM - LOCATION TBD

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

MULTICARE GOOD SAMARITAN HOSPITAL

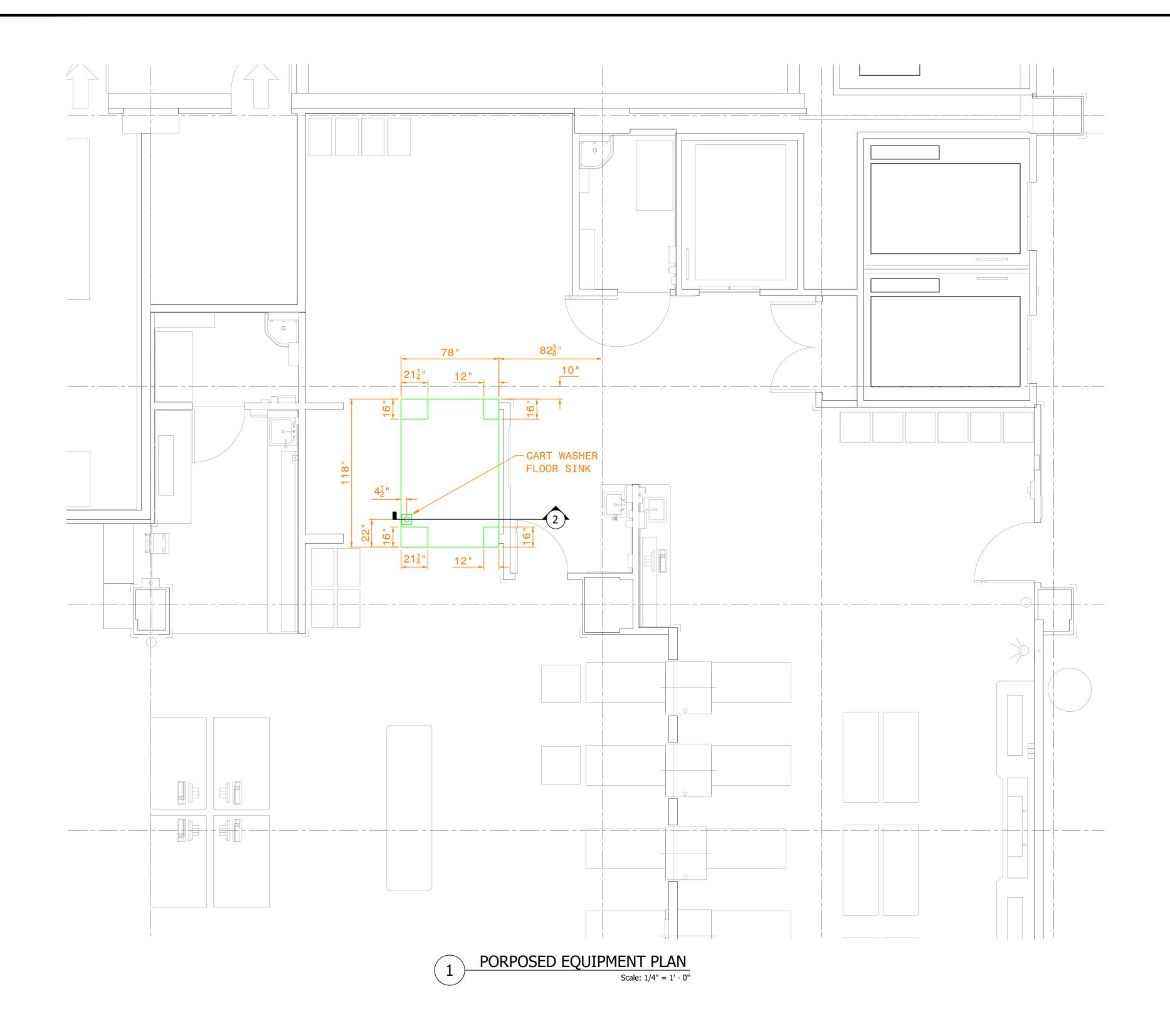
PUYALLUP, WASHINGTON

PARTIAL FLOOR PLAN
STERILE PROCESSING DEPARTMENT
PROPOSED EQUIPMENT LAYOUT



Dr	JAF	H-4425	
Ck	MKL		
Date	12JUL2022	D1	
Scale	1/4" = 1'-0"	PAGE	1 OF 3





CORNER LEVELING PAD

(TYP. OF 4 - SEE NOTE 1)

RECOMMENDED 8" MIN. (ROUND OR SQUARE) x 6" DEEP
FLOOR SINK WITH 4" O.D. DRAIN OUTLET; DRAIN SHALL
FURNISH FOR 60 U.S. GPM FLOW (SEE NOTES 1 AND 3)

SECTION VIEW - 1327 PIT DETAILS Scale: 1/4" = 1' - 0"

PIT DETAIL NOTES:

- 1. ALL MATERIAL (INCLUDING CONCRETE, CORNER LEVELING PADS, STAINLESS STEEL ANGLES, FLOOR SINK) AND LABOR FOR CONSTRUCTION OF PIT TO BE BY OTHERS THAN STERIS
- 2. STAINLESS STEEL ANGLES ARE RECOMMENDED BY STERIS; TO BE SUPPLIED AND INSTALLED BY OTHERS THAN STERIS
- 3. SLOPE PIT TO DRAIN (1 DEGREE)

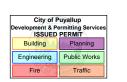
MULTICARE GOOD SAMARITAN HOSPITAL

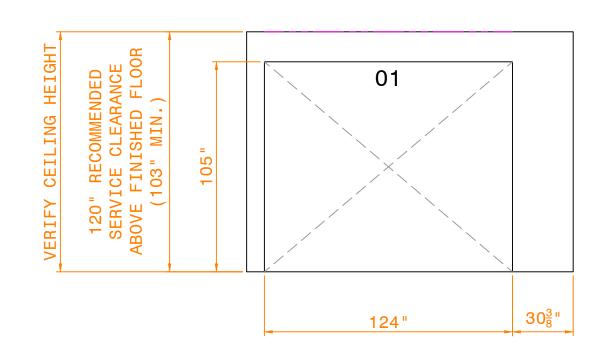
PUYALLUP, WASHINGTON

FLOOR SINK LOCATION & PIT PAD DETAILS
STERILE PROCESSING DEPARTMENT
PROPOSED EQUIPMENT LAYOUT



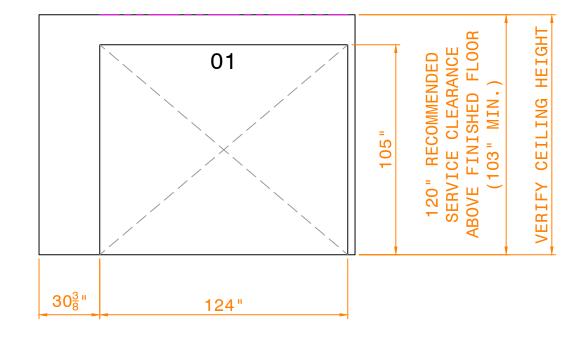
Dr	JAF	H- 442	25
Ck	MKL	11 1120	
Date	12JUL2022	D1	
Scale	1/4" = 1'-0"	PAGE	2 OF 3





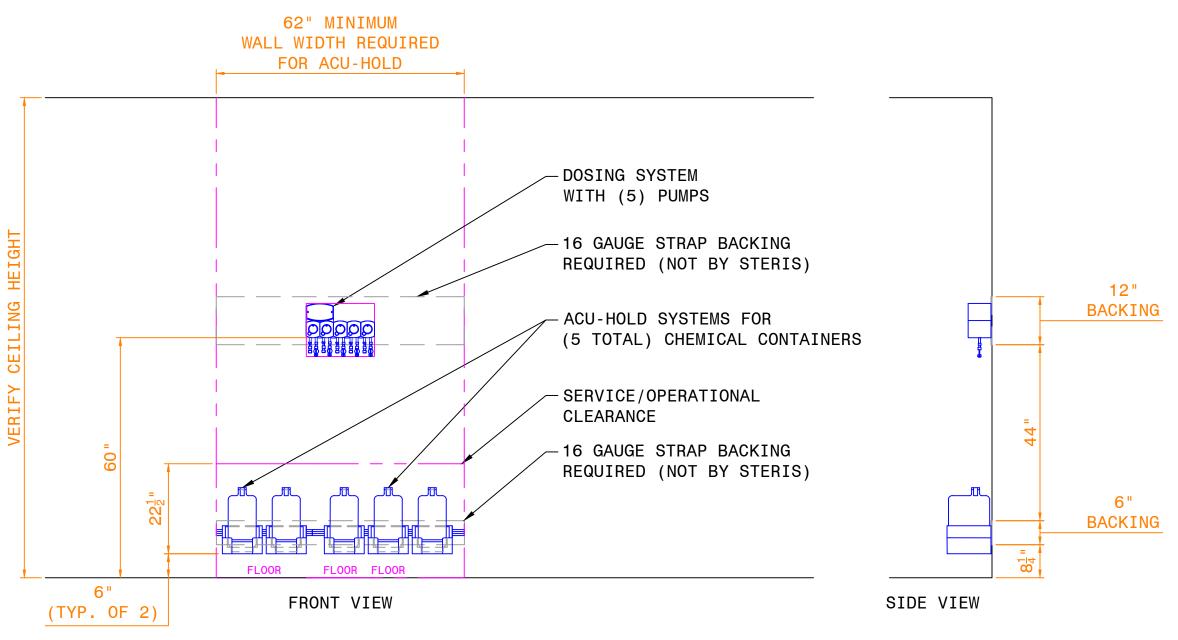
FINISHED WALL OPENING ELEVATION - 1327 CART WASHER - LOAD END

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



FINISHED WALL OPENING ELEVATION - 1327 CART WASHER - UNLOAD END

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



3 DETERGENT SYSTEM ELEVATION FOR (1) CART WASHER*

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

SHEET NOTES :

- 1. AMBIENT TEMPERATURE SHALL NOT EXCEED 104°F.
- 2. DETERGENT AND SIGNAL LINES NOT TO COME INTO CONTACT WITH HOT SURFACES.
- 3. EXCESS LENGTH MUST BE CUT BEFORE CONNECTING TO WASHER/STATION TO AVOID FORMING BUNDLES THAT COULD AFFECT THE DETERGENT INJECTION SYSTEM'S PERFORMANCES.
- 4. 3"I.D. CONDUIT REQUIRED FROM PUMP LOCATION(S) TO WASHER LOCATION(S) NOT PROVIDED BY STERIS.
- 5. ALL 90 DEGREE CONDUIT TURNS MUST USE SWEEPING 90 DEGREE CONNECTIONS. STRAIGHT 90 DEGREE CONNECTIONS ARE NOT RECOMMENDED.
- 6. FINAL LOCATION OF RUNS TO BE COORDINATED WITH ARCHITECT, CONTRACTORS, AND STERIS INSTALLATION PERSONNEL.
- 7. A MAXIMUM OF TWO WASHERS OR ONE CART WASHER CAN SHARE CHEMICAL CONTAINERS. DEDICATED CONTAINERS RECOMMENDED FOR EACH WASHER.
- 8. FOR STERIS DOSING SYSTEMS: MAX 12 FT OF INJECTION LINE FROM CONTAINERS TO DOSING STATION MAX 150 FT OF INJECTION LINE FROM DETERGENT CONTAINER TO TOP OF WASHER.*
- 9. DOSING SYSTEM POWERED BY THE WASHER.*

MULTICARE GOOD SAMARITAN HOSPITAL

PUYALLUP, WASHINGTON

FINISHED WALL OPENING ELEVATIONS & DETERGENT DETAIL
STERILE PROCESSING DEPARTMENT
PROPOSED EQUIPMENT LAYOUT

STERIS
Planning & Design Group
5960 Heisley Road
Mentor, OH 44060 USA
800 - 548 - 4873

Dr	JAF	H-4425		
Ck	MKL			
Date	12JUL2022	D1		
Scale	AS NOTED	PAGE	3 OF 3	