MULTICARE GOOD SAMARITAN LAB IR UPGRADES

401 15th Ave SE, Puyallup, WA 98372

Tax parcel number: 9810000015

03.12.2025
PW PROJECT #162436.000

PERMIT CORRECTIONS DOCUMENTS
VOLUME #1

OWNER	ARCHITECT	STRUCTURAL	MEP	CONTRACTOR	OWNERS REP.
MULTICARE GOOD SAMARITAN 401 15th Ave SE, Puyallup, WA 98372	PERKINS & WILL 1301 Fifth Avenue Suite 2300 Seattle, Washington 98101 (206) 381-6000 (TEL)	PCS STRUCTURAL SOLUTIONS 1011 Western Ave UNIT 810, Seattle, WA 98104 (206) 292-5076 (TEL)	HULTZ BHU ENGINEERS INC 1111 Fawcett Ave, Tacoma, WA 98402 (253) 383-3257 (TEL)	SELLEN CONSTRUCTION 227 Westlake Ave N, Seattle, WA 98109 (206) 682-7770 (TEL)	CBRE LANE PATTERSON 1420 5th Ave Ste 3800, Seattle, WA 98101 (360) 710-4816 (TEL)

SHEET INDEX - LAB IR ROOM UGRADES

SHEET NUMBER	SHEET NAME	DD SET | 11.15.2024	90% CD SET | 12.17.2024	PERMIT SET | 01.10.2025	PERMIT CORRECTIONS | 03.12.2025
01-GENERAL					
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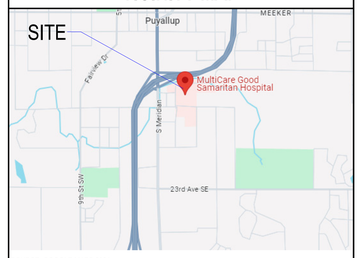
04-ARCHITECTURAL					
A00-01B	REFERENCE SHEET	•	•		
A04-01B	LAB IR - DEMOLITION PLAN,RCP AND ELEVATIONS	•	•		
A45-01B	LAB IR - INTERIOR ELEVATIONS AND DETAILS	•	•		
A10-01B	LAB IR - ENLARGED PLANS,RCP AND SHIELDING PLAN	•	•		
SP-01B	ARCHITECTURAL SPECIFICATIONS - LAB IR UPGRADES		•		
SP-02B	ARCHITECTURAL SPECIFICATIONS - LAB IR UPGRADES		•		
05 - STRUCTURAL					
S00-01B	GENERAL NOTES	•	•	•	•
S10-01B	IR - STRUCTURAL PLANS	•	•	•	•
S10-02B	STRUCTURAL DETAILS	•	•	•	•
06 - MECHANICAL					
M00.1B	LAB IR LEVEL 03 MECHANICAL GENERAL NOTES & LEGEND	•	•		
M00.2B	LAB IR LEVEL 03 MECHANICAL SCHEDULES	•	•		
M03.1B	LAB IR LEVEL 03 ENLARGED FLOOR PLAN - PLUMBING	•	•		
M04.1B	LAB IR LEVEL 03 ENLARGED FLOOR PLAN HVAC	•	•		
07 - ELECTRICAL					
E00-01B	LEGEND, ABBREVIATIONS & GENERAL NOTES	•	•		
ED30-01B	LAB IR ENLARGED DEMOLITION PLANS	•	•		
E30-01B	LAB IR - ENLARGED PLANS	•	•		

A

OVERALL MAP

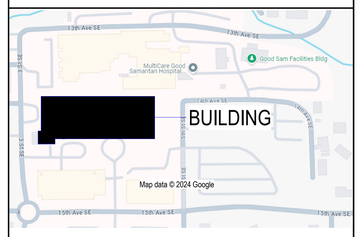
SOURCE: GOOGLE MAPS 2024

VICINITY MAP



SOURCE: GOOGLE MAPS 2024

SITE MAP



SOURCE: GOOGLE MAPS 2024

PROJECT INFORMATION

PROJECT DESCRIPTION

REPLACEMENT OF MEDICAL EQUIPMENT, ALONG WITH ASSOCIATED INTERIOR ADJUSTMENTS IN AN EXISTING IMAGING ROOM. ALL WORK IS PLANNED TO TAKE PLACE WITHIN THE INTERVENTIONAL RADIATION DEPARTMENT (DALLY TOWER) AT THE MULTICARE GOOD SAMARITAN HOSPITAL IN PUYALLUP, WASHINGTON.
THIS PROJECT DOES NOT MODIFY ANY EXISTING LIFE SAFETY/EXITING SCOPE ON THE FLOOR

APPLICABLE CODES

BUIDING CODE: 2021 INTERNATIONAL BUILDING CODE
ENERGY CODE: 2021 WASHINGTON STATE ENERGY CODE
ACCESSIBILITY CODE:
FIRE PREVENTION CODE: 2019 NFPA STANDARD 72
2021 INTERNATIONAL FIRE CODE
2019 NFPA STANDARD 13, 13-D, AND 13-R
MECHANICAL CODE: 2021 INTERNATIONAL MECHANICAL CODE
PLUMBING CODE: 2021 UNIFORM PLUMBING CODE
2012 NFPA 101 LIFE SAFETY CODE
2017 A117.1 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

OCCUPANCY CLASSIFICATION

I-2

CONSTRUCTION TYPE

I-A

CITY OF PUYALLUP PERMIT NUMBER

PRCTI20250145

WA DOH CRS NUMBER

61636320

A

The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

Full sized legible color plans are required to be provided by the permitee on site for inspection.

Approval of submitted plans is not an approval of omissions or oversights by this office or non compliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

City of Puyallup
Building
REVIEWED FOR COMPLIANCE
BSnowden
03/13/2025
1:48:51 PM

PRCTI20250145

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6712 REGISTERED ARCHITECT
BRAD HINTHORNE
STATE OF WASHINGTON

PROJECT

MULTICARE GOOD SAMARITAN LAB IR UPGRADES

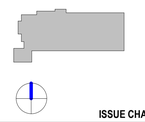
401 15th Ave SE,
Puyallup, WA 98372

MultiCare Good Samaritan Hospital

MULTICARE GOOD SAMARITAN

401 15th Ave SE,
Puyallup, WA 98372

KEY PLAN



ISSUE CHART

PERMIT CORRECTIONS 03.12.2025

A	PERMIT CORRECTIONS	03.12.2025
1	DESIGN DEVELOPMENT SET	11.15.2024
MARK	ISSUE	DATE

Job Number 162436.000

TITLE

COVER

SHEET NUMBER

G00-00B

PRCTI20250145

CODE COMPLIANCE PLAN GENERAL NOTES

1. ALL WORK IS TO BE DONE IN ACCORDANCE WITH APPLICABLE CODES.
2. FINAL LOCATIONS OF ALL LIFE SAFETY DEVICES AND FIXTURES ARE SUBJECT TO APPROVAL BY THE AUTHORITY HAVING JURISDICTION.

EGRESS COMPONENTS

NOT IN CONTRACT

EGRESS COMPONENTS - PATH OF TRAVEL

EXIT ACCESS = 999'-11"

EXIT SEPARATION = 999'-11"

LONGEST DIAGONAL = **999'-11"**
REQUIRED SEPARATION = X'-X"

COMMON PATH OF EGRESS = 999'-11"

ACCESSIBLE ROUTE

FEC FIRE EXTINGUISHER & CABINET (HALFTONE IF EXISTING)

FE FIRE EXTINGUISHER (HALFTONE IF EXISTING)

FEC FIRE EXTINGUISHER & CABINET SURFACE MOUNTED (HALFTONE IF EXISTING)

EXIT SIGN

CR CARD READER
PB PUSH BUTTON
ML ELECTROMAGNETIC LOCK
RX REQUEST TO EXIT SENSOR
DE DELAYED EGRESS

X 3
EXIT A
96" ACT
276 OCC
55.2" REQ

OF IDENTICAL ITEMS TAGGED - OPTIONAL
EGRESS COMPONENT AND OPTIONAL GROUP
ACTUAL WIDTH PROVIDED
OCCUPANT LOAD
REQUIRED WIDTH FOR OCCUPANT LOAD

AREA TAG

ASSEMBLY - UNCONC: TABLES & CHAIRS
555 SF
SF OC
OCC

FUNCTION OF SPACE
AREA
OCCUPANT LOAD FACTOR
OCCUPANTS

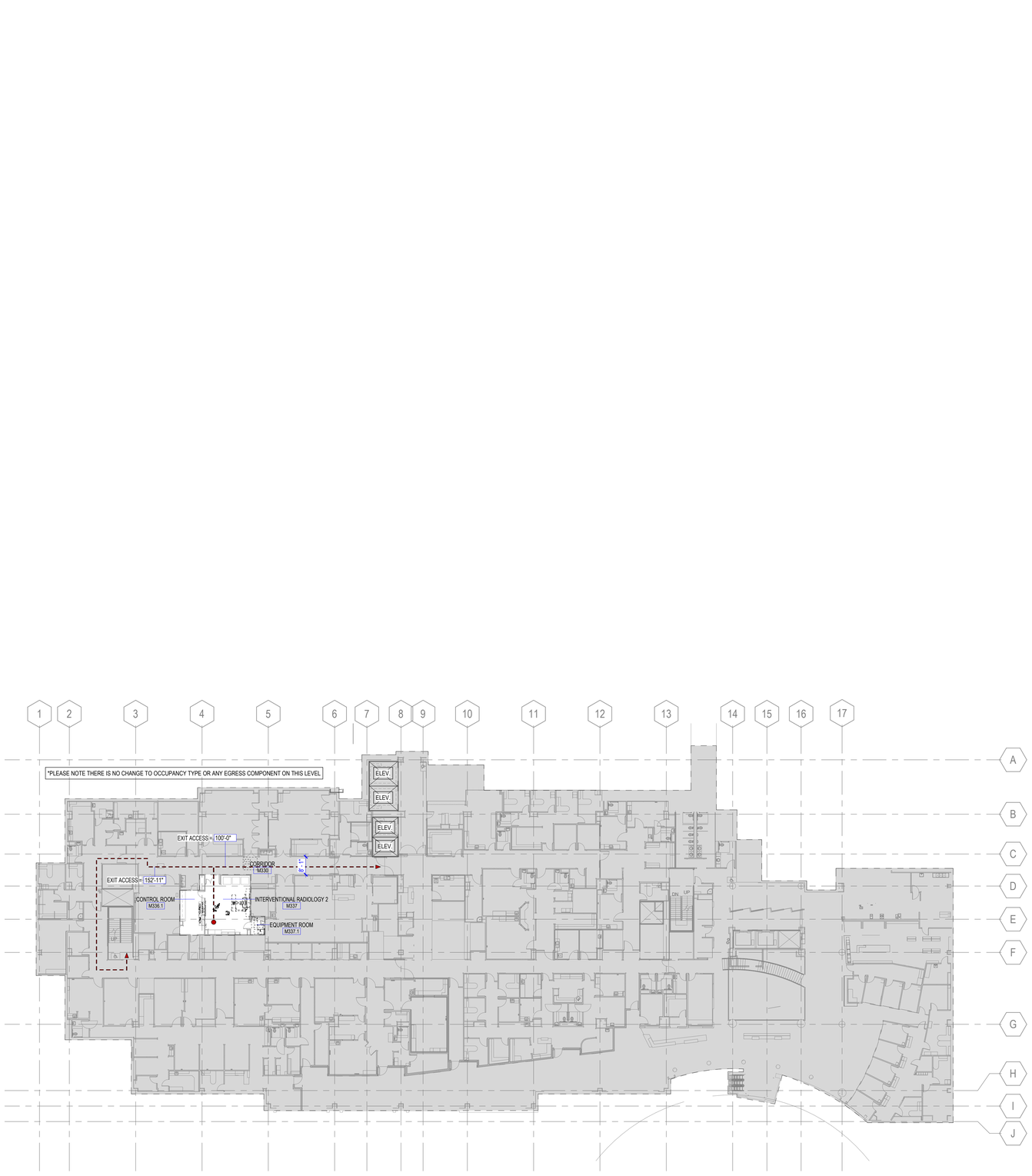
FIRE AND SMOKE RATING LEGEND

90 DOOR FIRE RATING
PARTITION FIRE RATING
PARTITION SMOKE REQUIREMENT

EXISTING CONSTRUCTION TO REMAIN
NEW NON-RATED CONSTRUCTION
NEW 1HR RATED PARTITION
NEW 2HR RATED PARTITION
NEW 3HR RATED PARTITION
NEW 4HR RATED PARTITION
SMOKE RESISTANT
SMOKE BARRIER
SMOKE PARTITION

RATED DOOR (RED)

NON-RATED DOOR



1 LAB IR ROOM - EGRESS PLAN (LEVEL 03)
SCALE 3/64" = 1'-0"

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6712
REGISTERED ARCHITECT
BRAD HINTHORNE
STATE OF WASHINGTON

PERMIT SET 01.10.2025

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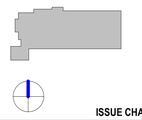
MultiCare
Good Samaritan Hospital

MULTICARE GOOD SAMARITAN

401 15th Ave SE,
Puyallup, WA 98372

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 162436.000

TITLE

CODE COMPLIANCE EGRESS PLAN - LEVEL 03

SHEET NUMBER

G01-01B

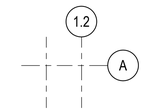
PRCTI20250145

ABBREVIATIONS

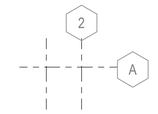
APC	ACOUSTICAL PANEL CEILING
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL), ARCHITECT
BLDG	BUILDING
CF/CI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED, OWNER INSTALLED
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
cm	CENTIMETER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
COORD	COORDINATE
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH, DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DS	DOWNSPOUT
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXT	EXTERIOR
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FACE
FHC	FIRE HOSE CABINET
FIN	FINISH(ED)
FLR	FLOOR
FP	FIRE PROTECTION/ FIREPROOF
FRTW	FIRE RETARDANT TREATED WOOD
FT	FOOT (FEET)
FTG	FOOTING
FURN	FURNISH, FURNITURE
GA	GAGE
GALV	GALVANIZED
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GLU LAM	GLUED LAMINATED WOOD
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
H	HIGH
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
HVAC	HEATING, VENTILATION, AIR CONDITIONING
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
L	LONG, LENGTH
LAM	LAMINATE(D)
LF	LINEAR FOOT, (FEET)
LP	LOW POINT
LVR	LOUVER
m	METER
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
mm	MILLIMETER
MO	MASONRY OPENING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED, CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED, OWNER INSTALLED
OPH	OPPOSITE HAND
PCC	PRE-CAST CONCRETE
PERF	PERFORATED
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PNT	PAINT
PREFAB	PREFABRICATE(D)
PROJ	PROJECT
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
R	RADIUS, RISER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REINF	REINFORCE, REINFORCING
REQ(D)	REQUIRE, REQUIRED
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
S	SOUTH
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT(FEET)
SIM	SIMILAR
SPEC	SPECIFICATION
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STRUCT	STRUCTURAL
T	TREAD
T/	TOP OF
T&G	TONGUE & GROOVE
TEMP	TEMPORARY
THK	THICK
TYP	TYPICAL
U	HEAT TRANSFER COEFFICIENT
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST
W/	WITH
W/O	WITHOUT
WD	WOOD
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
X	BY

SYMBOLS LEGEND

COLUMN GRID DESIGNATION



NEW GRID

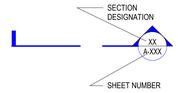


EXISTING GRID

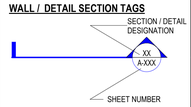
SHEET KEYNOTE TAGS

SHEET KEYNOTE

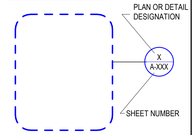
BUILDING SECTION TAG



WALL / DETAIL SECTION TAGS



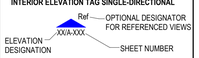
ENLARGED PLAN TAG



EXTERIOR ELEVATION TAG

INTERIOR ELEVATION TAGS

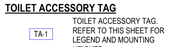
INTERIOR ELEVATION TAG SINGLE-DIRECTIONAL



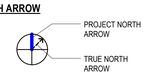
DOOR IDENTIFICATION TAG

EQUIPMENT DESIGNATION

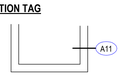
TOILET ACCESSORY TAG



NORTH ARROW

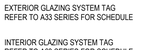


PARTITION TAG



REFER TO A61 SERIES FOR PARTITION TYPES

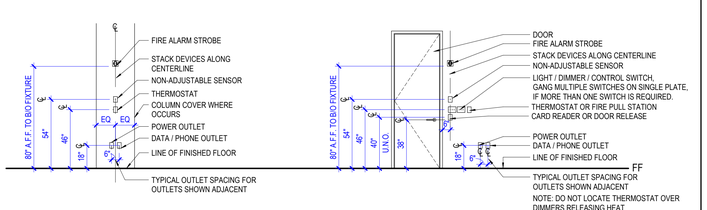
GLAZING TAG



GENERAL PROJECT NOTES

1. REFER TO COMPLETE SET OF ISSUED CONTRACT DOCUMENTS FOR APPLICABLE NOTES, ABBREVIATIONS, AND SYMBOLS.
2. DO NOT SCALE THE DRAWINGS. IF DIMENSIONS ARE IN QUESTION OBTAIN CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING.
3. DIMENSIONS SHOWN ON THE FLOOR PLANS FOR NEW CONSTRUCTION ARE TO THE FACE OF GYPSUM BOARD FOR PARTITIONS, TO CENTER LINE OF COLUMNS AND TO FACE OF CONCRETE OR MASONRY WALLS UNLESS OTHERWISE INDICATED. DIMENSIONS IN RENOVATED AREAS ARE FROM FINISH FACE OF EXISTING WALLS AND TO FINISH FACE OF GYPSUM BOARD FOR NEW PARTITIONS UNLESS OTHERWISE INDICATED.
4. FIELD MEASURE AND CONFIRM DIMENSIONS FOR OWNER PROVIDED EQUIPMENT AND FURNISHINGS. COORDINATE WITH THE OWNER ON DELIVERY AND INSTALLATION OF OF/CI EQUIPMENT. MINIMUM REQUIRED OPENINGS AND ACCESSIBLE ROUTES TO THE INSTALLATION AREA SHALL BE COORDINATED WITH THE SUPPLIER.
5. FINISH FLOOR ELEVATIONS ARE TO TOP OF STRUCTURAL FLOOR UNLESS OTHERWISE NOTED.
6. WHERE NEW GYPSUM BOARD PARTITIONS ARE A CONTINUATION OF AN EXISTING PARTITION OR COLUMN ENCASEMENT, THE FACE OF THE NEW GYPSUM BOARD SHALL BE ALIGNED WITH THE FACE OF THE EXISTING SURFACE.
7. PARTITION TYPES AND FIRE RESISTIVE RATINGS INDICATED ON A PARTITION ARE TO BE CONSISTENT FOR THE LENGTH AND HEIGHT OF A PARTITION.
8. OPENINGS IN A RATED WALL, FLOOR, CEILING AND ROOF ASSEMBLIES SHALL BE SEALED WITH A FIRE RESISTANT JOINT SYSTEMS OR PROTECTED WITH A FIRE RATED CHASE.
9. WHERE MATERIALS ARE APPLIED TO, OR ARE IN DIRECT CONTACT WITH WORK INSTALLED BY ANOTHER SUBCONTRACTOR, COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE SUBSTRATE AS SUITABLE FOR THE APPLICATION INTENDED.
10. ISOLATE DISSIMILAR METALS TO PREVENT GALVANIC CORROSION.
11. COORDINATE LOCATION OF SEALANT AND COMPATIBILITY OF SEALANTS WITH ADJACENT WORK, INCLUDING MATERIALS AND OTHER CONTIGUOUS SEALANTS.
12. MAINTAIN THE FIRE RATING OF CONSTRUCTION AROUND CABINETS, PANELS, AND BOXES RECESSED IN FIRE RATED WALL, FLOOR, AND CEILING ASSEMBLIES.
13. DO NOT HANG (SUPPORT) ANY ITEMS FROM METAL ROOF DECK. IT IS ACCEPTABLE TO ATTACH CEILING SYSTEM WIRE HANGERS FROM JOISTS OR BEAMS. IF NO JOIST OR BEAM IS AVAILABLE, PROVIDE SUPPLEMENTAL STEEL SUPPORTS

MATERIALS AT LARGE SCALES



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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
1	DESIGN DEVELOPMENT SET	11.15.2024

Job Number 162436.000

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REFERENCE SHEET

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A00-01B

PERMIT SET 01.10.2025

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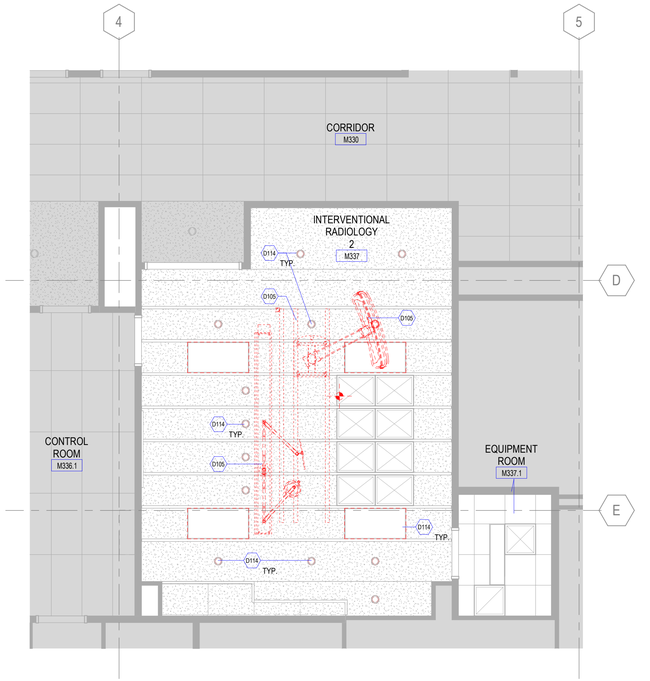
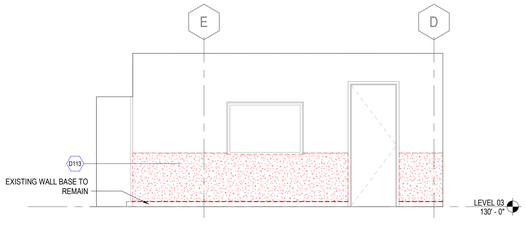
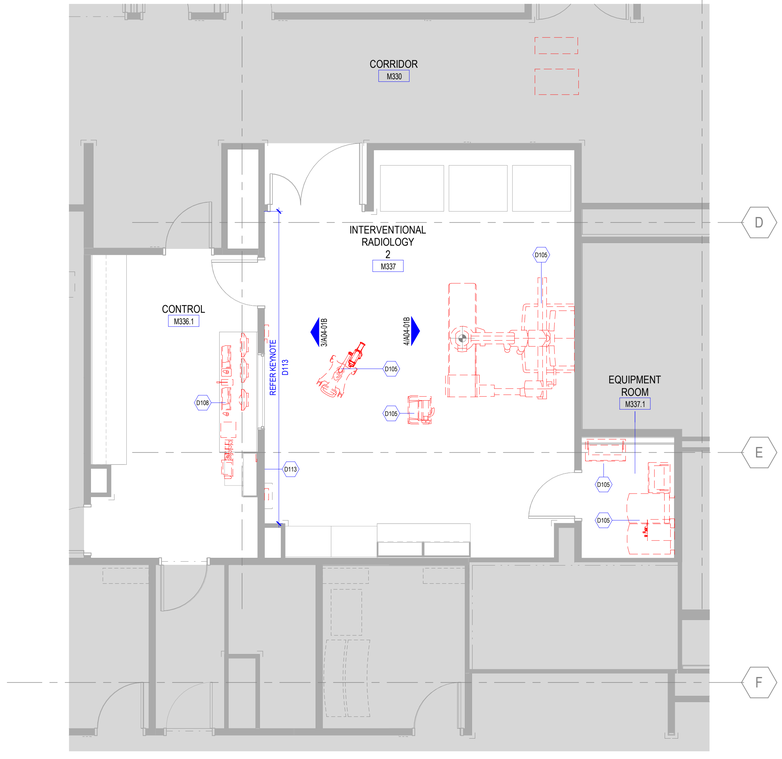


2 ENLARGED DEMOLITION RCP - LAB IR
SCALE 1/4" = 1'-0"

4 LAB IR - EAST (DEMO ELEVATION)
SCALE 1/4" = 1'-0"



3 LAB IR - WEST (DEMO ELEVATION)
SCALE 1/4" = 1'-0"



1 LAB IR DEMOLITION PLAN - LEVEL 03
SCALE 1/4" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD SURVEY THE SITE OF PROPOSED WORK TO DETERMINE THE EXTENT AND NATURE OF THE DEMOLITION WORK. REFER TO ALL CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS AND SCOPE OF DEMOLITION WORK. REFER TO THE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
2. PROTECTION SHALL BE PROVIDED FOR BASE BUILDING CONSTRUCTION AND ALL EXISTING CONSTRUCTION TO REMAIN.
3. THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDUIT, WIRING, JUNCTION BOXES, ELECTRICAL COMMUNICATION, AND LIFE SAFETY DEVICES WITH THE LANDLORD AND OWNER PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION WORK. ALL EXISTING ITEMS TO REMAIN SHALL BE PROPERLY MARKED AT THE PROJECT SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDLORD AND OWNER.
4. COORDINATE WITH OWNER TO VERIFY THAT OWNER HAS REMOVED ALL ITEMS SCHEDULED OR PLANNED TO BE REMOVED BY OWNER.
5. WHERE PARTITIONS ARE BEING REMOVED, ALL ELECTRICAL OUTLETS AND SWITCHES SHALL BE DISCONNECTED AT SUPPLY JUNCTION BOXES, UNO.
6. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED AT NO COST TO OWNER OR ARCHITECT. IMMEDIATELY REPAIR ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.

LEGEND

- NOT IN CONTRACT
- CONSTRUCTION TO BE REMOVED
- EXISTING EQUIPMENT TO BE REMOVED
- AREA OUT OF ARCHITECTURAL SCOPE BUT REFER TO OTHER DISCIPLINE DEMOLITION DOCUMENTS FOR ADDITIONAL WORK
- WALL PROTECTION SHEET TO BE REMOVED WITHIN AREA INDICATED
- WALL AND FINISHES TO BE REMOVED WITHIN AREA INDICATED
- FLOOR FINISHES ONLY TO BE REMOVED IN AREA INDICATED
- CEILING FINISHES ONLY TO BE REMOVED IN AREA INDICATED

DEMOLITION PLAN KEYNOTES

<<<	Indicates Sheet Keynote on Plan
D105	REMOVE EXISTING EQUIPMENT AND SUPPORTING STRUCTURE
D108	REMOVE EXISTING CONTROL ROOM EQUIPMENT
D113	REMOVE EXISTING WALL PROTECTION COVERING (TO BE REPLACED)
D114	REMOVE EXISTING LIGHT FIXTURES.- RETAIN POWER FOR NEW LIGHTING
E109	EXISTING DOOR TO REMAIN

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6712
REGISTERED ARCHITECT
BRAD HINTHORNE
STATE OF WASHINGTON

PROJECT

MULTICARE GOOD SAMARITAN LAB IR ROOM UPGRADES

401 15th Ave SE,
Puyallup, WA 98372

MultiCare Good Samaritan Hospital

MULTICARE GOOD SAMARITAN

401 15th Ave SE,
Puyallup, WA 98372

PERMIT SET 01.10.2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

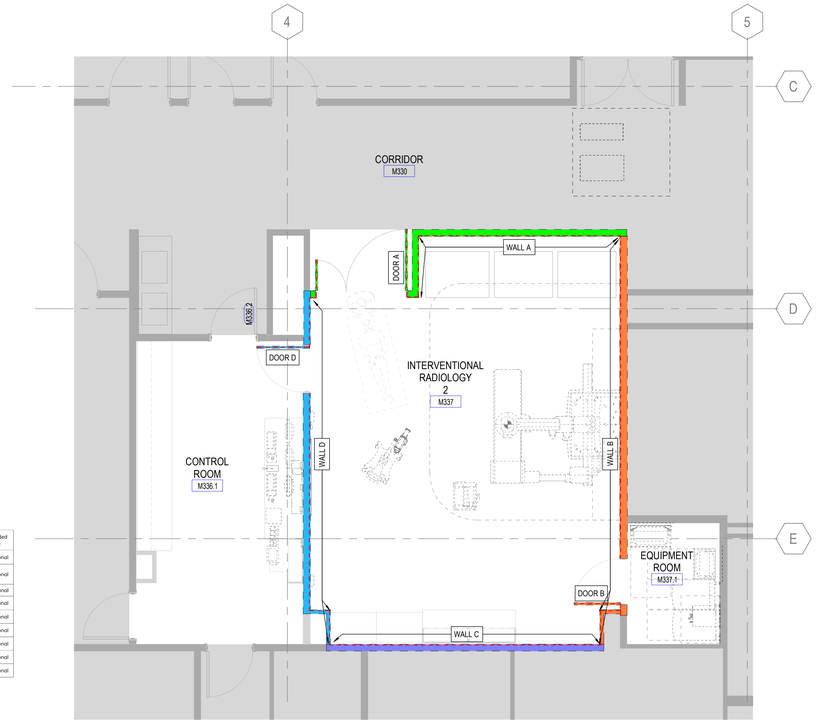
Job Number 162436.000

TITLE

LAB IR - DEMOLITION PLAN,RCP AND ELEVATIONS

SHEET NUMBER

A04-01B



2 LEVEL 03 - LAB IR - SHEILDING PLAN

SCALE 1/4" = 1'-0"

MultiCare

MultiCare Health System
820 A Street, Tacoma, WA 98402
PO Box 5299, Tacoma, WA 98415-0299 ~ multicare.org

Shielding Plan Summary:

Wall Identification	Area Description	Barrier Type	Occupancy Type	Occupancy Factor	Distance to Occupied Area (m)	Existing Shielding	Calculated Shielding Required	Recommended Shielding
Door A (green)	Hallway	Secondary	Uncontrolled	0.125	3.62	≥0.79mm lead door	0.77mm lead door	None additional
Wall A (green)	Hallway	Secondary	Uncontrolled	0.20	4.16	0.79mm lead + 28mm gypsum	0.78mm lead + 13.97mm gypsum	None additional
Wall B (orange)	PACU	Secondary	Uncontrolled	0.05	2.69	0.79mm lead	0.66mm lead	None additional
Door B (orange)	Equipment Room	Secondary	Uncontrolled	0.025	3.52	1.58mm lead door	0.33mm lead door	None additional
Wall C (purple)	IR Reading Room	Secondary	Controlled	1	4.83	0.79mm lead	0.73mm lead	None additional
Wall D (blue)	Control Booth	Secondary	Controlled	1	4.43	0.79mm lead[a]	0.79mm lead	None additional
Door D (blue)	Control Booth	Secondary	Controlled	1	4.48	≥0.79mm lead	0.78mm lead door	None additional
Floor	Uncontrolled Space	Secondary	Uncontrolled	1	4.60	6in (15.24cm) concrete	9.93cm concrete	None additional
Ceiling	Uncontrolled Space	Secondary	Uncontrolled	1	4.11	4.5in (11.43cm) concrete	10.49cm concrete	None additional

Notes:
a. Window must have at least the same lead equivalency (rated for 150kVp, otherwise consult physicist).

*PLEASE REFER TO THE FULL SHIELDING DESIGN REPORT (PROVIDED IN NARRATIVES) FOR MORE DETAILS

3 ENLARGED RCP - LAB IR

SCALE 1/4" = 1'-0"

* REFER TO CONSULTANT DRAWINGS

1 LEVEL 03 - ENLARGED PLAN - LAB IR

SCALE 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. REFER TO MULTICARE GOOD SAMARITAN EXISTING DRAWINGS AND CONSULTANT DRAWINGS FOR ROOM DIMENSIONS/ DOOR LOCATIONS AND EQUIPMENT LAYOUT AND CLEARANCES.
2. DOOR DIMENSIONS ARE TO EDGE OF DOOR LEAF UNLESS NOTED OTHERWISE.
3. FOR SWINGING DOORS, THE HINGE SIDE OF OF THE DOOR JAMB SHALL BE LOCATED 4" FROM THE ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE

FLOOR PLAN LEGEND

- NOT IN CONTRACT
- LEAD SHIELDING BOUNDARY
- EXISTING EQUIPMENT (OFOI)
- NEW EQUIPMENT (OFCI)
- CLEAR SPACE REQUIREMENT FOR NEW EQUIPMENT
- NEW FLOORING
- NEW WALL

REFLECTED CEILING PLAN GENERAL NOTES

1. REFER TO MHS GSH EXISTING DRAWINGS FOR CEILING TYPES, HEIGHTS AND MOUNTING DETAILS.
2. CENTER FIXTURES, DEVICES AND OTHER ELEMENTS IN ACOUSTIC PANEL(S) IN BOTH DIRECTIONS, UNLESS OTHERWISE NOTED.

RCP LEGEND

- NOT IN CONTRACT
- GYPSUM BOARD CEILING / SOFFIT (EXISTING)
- ACOUSTICAL PANEL CEILING (EXISTING)
- LINEAR LIGHT FIXTURE (EXISTING)
- RECESSED LIGHT FIXTURE (EXISTING)
- MECHANICAL AIR TERMINAL (REFER CONSULTANT DWG) (EXISTING)
- XXX.X / 1' - 0" AFF — CEILING MATERIAL CODE (REFER TO FINISH SCHEDULES) / CEILING HEIGHT
- WT#.# — WINDOW TREATMENT - REFER TO FINISH SCHEDULE AND LEGEND

SHIELDING NOTES

1. REFER TO THE COMPLETE LEAD SHIELDING REPORT FOR EXTENT AND WEIGHT OF LEAD SHIELDING.
2. CONTINUOUS LEAD SHIELDING SHALL BE APPLIED TO THE SOURCE SIDE OF PARTITION.
3. ALL LEAD SHIELDING MUST BE CONTINUOUS AND WITHOUT VOIDS.
4. ALL OPENINGS IN LEAD (DOOR, OBSERVATION WINDOW, DUCTS, ETC.) MUST BE PROVIDED WITH EQUIVALENT THICKNESSES OF ABSORBING MATERIALS AS THE LEAD ITSELF.

PLAN KEYNOTES

<<< Indicates Sheet Keynote on Plan

P103	PATCH AND RE PAINT EXISTING WALL. (FINISH TO MATCH WITH EXISTING).
P104	INSTALL NEW WALL PROTECTION COVERING WHERE DAMAGED. (FINISH TO MATCH W/ EXISTING)
P105	EXISTING CASEWORK AND ACCESSORIES TO REMAIN
P107	INSTALL NEW EQUIPMENT. REFER TO CONSULTANT DRAWINGS FOR EQUIPMENT LOCATION, DIMENSIONS AND CLEARANCE REQUIREMENT (OFCI)
P108	PATCH AND REPLACE EXISTING FLOORING WHERE DAMAGED DURING EQUIPMENT DECOMMISSIONING (LVT-7). REFER FINISH SCHEDULE
P110	INSTALL NEW BLINDS PER MANUFACTURER INSTRUCTIONS.
P111	RE INSTALL EXISTING LAB EQUIPMENT PER CONSULTANT DRAWINGS (OFOI)
P113	EXISTING DOOR TO REMAIN
P114	EXISTING WINDOW TO REMAIN
RCP1	EXISTING CEILING TO REMAIN
RCP3	EXISTING LIGHT FIXTURE UPDATED TO LED
RCP4	EXISTING AIR TERMINAL TO REMAIN
RCP6	NEW THYROID SHIELD TRACK. REF. CONSULTANT DRAWINGS. (SUPPORTED BY UNI-STRUTS ABOVE
RCP7	NEW CEILING MOUNTED DCS MONITOR SUSPENSION SYSTEM. REFER CONSULTANT DWGS. (SUPPORTED BY UNI-STRUTS ABOVE).

PRCTI20250145

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PERMIT SET 01.10.2025

MultiCare Good Samaritan Hospital

MULTICARE GOOD SAMARITAN

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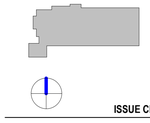
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 162436.000

TITLE

LAB IR - ENLARGED PLANS,RCP AND SHIELDING PLAN

SHEET NUMBER

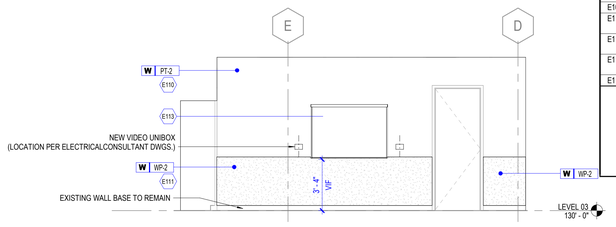
A10-01B

PRCTI20250145

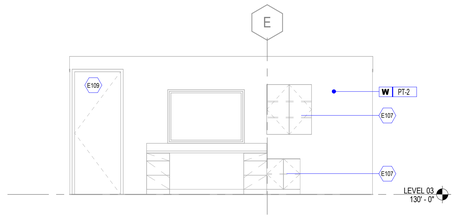
FINISH LEGEND - LAB IR ROOM

SPEC	TAG	TYPE	MFR	STYLE	COLOR/FINISH	SIZE	COMMENTS
09 65 16							
09 65 16	SV-12	SPECIALTY SHEET VINYL FLOORING	MANNIGTON	BIOSPEC ARMOR	NORTHSTAR		2.5mil, 3,000 psi, SLIP RESISTANT
09 72 16							
09 72 16	WP-2	WALL COVERING	INPRO CORP.	SUEDE TEXTURE	FEATHER 0238		AS NEEDED AT P-2
09 90 00							
09 90 00	PT-2	PAINT	RODDA	MATCH TO BENJAMIN MOORE	065 CHANTILLY LACE		GENERAL WALL/CEILING/SOFFIT

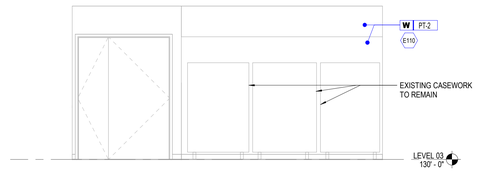
PAINT & WALL COVERING NOTES
1. GYPSUM BOARD WALLS SHALL HAVE EGGSHELL FINISH, UNLESS NOTED OTHERWISE.
2. ALL DOORS AND FRAMES SCHEDULED TO RECEIVE PAINT SHALL HAVE SEMI-GLOSS FINISH, UNLESS NOTED OTHERWISE.



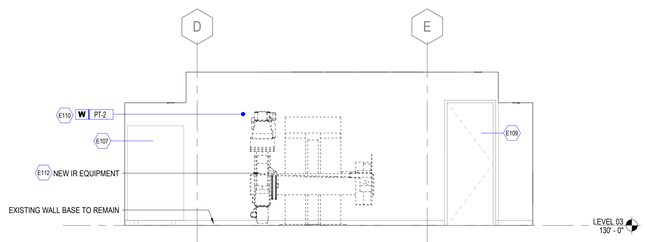
3 LAB IR - WEST
SCALE 1/4" = 1'-0"



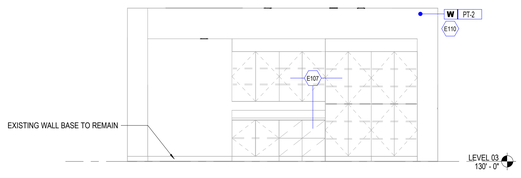
5 CONTROL ROOM - EAST ELEVATION
SCALE 1/4" = 1'-0"



2 LAB IR - NORTH
SCALE 1/4" = 1'-0"



4 LAB IR - EAST
SCALE 1/4" = 1'-0"



1 LAB IR -SOUTH
SCALE 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO EXISTING DRAWINGS AND CONSULTANT DRAWINGS FOR ROOM DIMENSIONS/ DOOR LOCATIONS, EQUIPMENT LAYOUT AND CLEARANCES.
2. REFER TO CONSULTANT DRAWINGS FOR NEW LAB EQUIPMENT LOCATION, CLEARANCES AND SCHEDULE.
3. EXISTING WALL BASE TO REMAIN, UNO.

INTERIOR ELEVATION LEGEND

FINISH TAG LEGEND

W PT-2 — W: MATERIAL APPLICATION; PT-2: FINISH KEY

W	WALL	M	MILLWORK
B	BASE	WI	WINDOW
F	FLOOR	P	PARTITION
C	CEILING (RCP ONLY)	EX	EXISTING TO REMAIN

NOT IN CONTRACT

EXISTING EQUIPMENT AND FINISHES

NEW EQUIPMENT (OFCI)

NEW WALL BASE

NEW WALL PROTECTION SHEET

ELEVATION KEYNOTES

<<< Indicates Sheet Keynote on Plan

E107	EXISTING CASEWORK, ACCESSORIES AND CABINETS TO REMAIN
E109	EXISTING DOOR TO REMAIN
E110	PATCH AND RE PAINT EXISTING WALL WHERE DAMAGED (FINISH TO MATCH WITH EXISTING)
E111	REPLACE EXISTING WALL PROTECTION COVERING WHERE DAMAGED (FINISH TO MATCH WITH EXISTING)
E112	INSTALL NEW EQUIPMENT. REFER TO CONSULTANT DRAWINGS FOR EQUIPMENT LOCATION, DIMENSIONS AND CLEARANCE REQUIREMENT
E113	INSTALL NEW BLINDS (RS-1) (REFER SPECIFICATION)

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MultiCare Good Samaritan Hospital

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KEY PLAN

ISSUE CHART

PERMIT SET 01.10.2025

MARK	ISSUE	DATE
Job Number		162436.000

TITLE

LAB IR - INTERIOR ELEVATIONS AND DETAILS

SHEET NUMBER

A45-01B

MULTICARE GOOD SAMARITAN – LAB IR UPGRADES

DIVISION 01 – GENERAL REQUIREMENTS

01 10 00 – SUMMARY

A. The Project includes materials, labor, transportation, security, temporary facilities, and other items identified in, or reasonably inferable from the construction Drawings and these Specifications.

B. Definitions: For purposes of clarity within these specifications, the following definitions apply:
1. "Tenant": Capitalized term referring to Architect's client.
2. "Building owner": Not capitalized term referring to that entity or its representative.

C. Project Information:
1. Project Identification: MULTICARE GOOD SAMARITAN – Lab IR Upgrades
a. Project Location: 401 15th Ave SE, Puyallup, WA 98372
2. Owner: MULTICARE GOOD SAMARITAN, 401 15th Ave SE, Puyallup, WA 98372
a. Owner's Representative: CBRE, 1420 5th Ave Ste 3800, Seattle, WA 98101, Contact: Lane Patterson, lane.patterson@multicare.org, (360) 710-4816 (TEL)
b. Contractor: SELLEN CONSTRUCTION, 227 Westlake Ave N, Seattle, WA 98109, Contact: Blake Cannon, blakec@sellen.com, (206) 682-7770 (TEL)

D. Work Covered by Contract Documents:
1. The Work of the Project is defined by the Contract Documents and consists of the following:
a. Replacement of medical equipment, along with associated interior adjustments in an existing imaging room. All work is planned to take place within the interventional radiation department (Dally tower) at the MultiCare Good Samaritan hospital in Puyallup, Washington.
2. Type of Contract:
a. Project will be constructed under a single prime contract.

E. Construction Drawings:
1. Architectural and Engineering Drawings are complementary to each other. The Contractor, Subcontractors, and vendors shall accept Architectural and Engineering Drawings and include all the work necessary to achieve complete working installation for any device or equipment which may be shown on one Drawing but not shown on another. Subcontractors are not permitted to exclude portions of the complementary Drawing subset.
2. Where elements are indicated or described in any Drawing, it is the intent that all related construction associated with such elements is to be included to result in complete installation. The same criteria apply to demolition and new construction.
3. Dimensions shown are finish face to finish face unless noted otherwise.
4. Vertical dimensions shown are above the finished floor or below the finished ceiling unless noted otherwise. When the floor elevation varies at locations where elements horizontal to the floor plans are to be installed (such as millwork, drywall, soffits, movable or demountable partitions, etc.), the vertical dimension shown is to be maintained at the point of highest floor elevation and the element is to be installed level. Where the floor elevation varies greater than 1/4 inch in 10 feet, obtain a clarification from Architect regarding the height above the floor that the element in question is to be installed.
5. Architectural locations and dimensions shall take precedence over Engineering Drawings for locations of wall and floor outlets, light fixtures, plumbing fixtures, and other similarly noted items. Floor outlets are to be located by dimension. No outlets are to be installed back-to-back (offset by one stud). Unless noted otherwise, new wall outlets in walls abutting the exterior enclosure are to be located per typical dimensions indicated on plan (from face of exterior enclosure drywall sill). All other outlets are to be scaled for location unless dimensioned or noted otherwise.

F. Specifications: Imperative language is used generally in the Specifications. Except as otherwise indicated or specified, requirements expressed imperatively are to be performed by Contractor. For clarity of reading at certain locations, contrasting subjective language is used to describe the responsibilities which must be fulfilled either indirectly by Contractor or, when so noted, by other entities as indicated.

G. Owner-Furnished Work:
1. Items noted NIC (Not in Contract) will be supplied and installed by building owner, Contractor or others as indicated, concurrent with or after Substantial Completion.

H. Project Warranty: Refer to the Construction Services Agreement for warranty provisions applicable to this Contract.
1. Project warranty period is governed by the State in which the Project is located state statutes and other provisions of the Construction Services Agreement.

I. Tenant Occupancy During Construction: The project Tenant may occupy all or a portion of the work area, and other tenants may occupy adjacent portions of the existing building during the entire construction period.
1. Construction Operations: Minimize interference with normal functioning of building and occupants.
2. Limit noise. If construction activities produce noise which is detrimental to the operation of the facility, schedule these activities during non-occupied hours.
3. Do not impede emergency building evacuation with construction, equipment, materials, and procedures at building entrances and exits.
4. Protect entrances, exits, walkways, and other areas in the vicinity of construction.
5. Except as specifically indicated in the Contract Documents, do not permit interruption of mechanical and electrical services, shut down of building systems, services, and utilities without prior approval of building owner or Owner's Project Manager.

J. Construction Operations: Limited to tenant finish lease space indicated on Drawings, unless otherwise specifically indicated on Drawings.
1. Additional work scope may include but not be limited to multi-tenant corridors, minor exterior or roof-top improvements, and other non-tenant common areas as specifically noted on Drawings; identify cost of such work scope separately from tenant finish lease space.

K. Delegated Design: Design of building systems, or components of systems, specified to be provided by Contractor. See Section 01 40 00 for additional delegated design requirements. Systems, or components of systems, include:
1. Mechanical systems.
2. Plumbing systems.
3. Electrical systems.
4. Fire sprinkler systems.
5. Fire alarm systems.
6. Telecommunications systems.
7. Ceiling system including suspended system and seismic restraints
8. Other electronic safety and security systems indicated on Drawings.

L. Contractor Duties:
1. Except as specifically noted, provide and pay for:
a. Labor, materials, and equipment.
b. Tools, construction equipment and machinery
c. Water, heat, and utilities required for construction.
d. Other facilities and services as necessary for proper execution and completion of work.
e. Permits and Testing

M. Comply with all applicable local Building Codes, ordinances, rules, regulations, orders and other legal requirements of public authorities which bear on performance of Work.

01 20 00 - PRICE AND PAYMENT PROCEDURES

A. Applications for Progress Payments:
1. Payment Period: As stipulated in construction Services Agreement, or as otherwise specified in Tenant's lease.
2. Form: Contractor's electronic media driven form acceptable to Owner, including continuation sheets when required.
3. Execute certification by signature of authorized officer.
4. Use data from the approved Schedule of Values. Provide dollar value in each column for each line item for portion of work performed.
5. List each authorized Change Order as a separate line item, listing Change Order number and dollar amount as for an original item of work.
6. Provide backup data as necessary for Architect to review Applications for Payment. If multiple items must be tabulated to arrive at a scheduled value, provide a worksheet to indicate these calculations.
7. Submit e-mail digital copies of each Application for Payment.
8. Include the following with the application:
a. Construction progress schedule revised and current as specified in Section 01 30 00.
b. Unless otherwise restricted by Tenant's lease agreement, provide conditional release of liens from each Subcontractor and vendor for the current month's payment application, and unconditional release of liens from each Subcontractor and vendor for the previous month's payment application.
c. Affidavits attesting to off-site stored products, if any.
9. When Architect requires substantiating information, submit data justifying dollar amounts in question.

B. Application for Final Payment:
1. Prepare Application for Final Payment as specified for progress payments, identifying total adjusted Contract Sum, previous payments, and sum remaining due.
2. Application for Final Payment will not be considered until the following have been accomplished:
a. Closeout procedures specified in Section 01 70 00.
b. Receipt of final Certificate of Occupancy from jurisdictional authority.
c. Receipt of Final Inspection Report indicating No Violations from Registered Accessibility Specialist, representing Texas Department of Licensing and Regulation (TDLR)/Architectural Barriers.
d. Acceptance or Work by Owner and Architect.

C. Modification Procedures:
1. Requests for Information: Use for requesting supplemental information or an interpretation of the Contract Documents. Contractor is required to research the Contract documents thoroughly, and only request information or an interpretation for an item that is not clearly indicated in, or reasonably inferable from, the Contract Documents.
a. Allow the number of calendar days as stipulated in Construction Services Agreement for Architect to provide a response to requests for information, and number of calendar days as stipulated in Construction Services Agreement when response includes Architect's consultant.
b. Architect's response to a request for information does not constitute a modification of the Contract Documents if response is generally consistent with work scope and intent of Contract Documents.
c. If a response requires a modification of the Contract Documents, prepare a request for change order or other modification according to applicable modification procedures specified.
2. Supplemental Instructions: For minor modifications not involving an adjustment to the Contract Sum or Contract Time; Architect will issue instructions directly to Contractor.
a. Architect's issuance of supplemental instructions may constitute a modification of the Contract Documents involving an adjustment to the Contract Sum or Contract Time. If Architect's supplemental instructions require such a modification of the Contract Documents, prepare a request for change order or other modification according to applicable modification procedures specified in this Section.
3. Proposal Request: For modifications for which advance pricing is desired, Architect will issue a document which includes a detailed description of a proposed modification with supplementary or revised drawings and specifications, a modification in Contract Time for executing modification. The contractor shall prepare and submit a fixed price quotation within the number of working days as stipulated in the Construction Services Agreement.
4. Contractor may propose a change by submitting a request for change order or modification to Architect, describing the proposed change and its full effect on the Work, with a statement describing the reason for the change, and the effect on the Contract Sum and Contract Time with full documentation.
5. Computation of Change in Contract Amount: As specified in the Construction Services Agreement.
6. Execution of Change Orders: Contractor will issue Change Orders for signatures of parties as provided in the Construction Services Agreement
7. After execution of Change Order, promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as a separate line item and adjust the Contract Sum.
8. Promptly revise progress schedules to reflect any change in Contract Time, revise sub-schedules to adjust times for other items of work affected by the change, and resubmit.
9. Promptly enter changes in Project Record Documents.

01 30 00 - ADMINISTRATIVE REQUIREMENTS

A. General Submittal Procedures:
1. Provide a web-based portal access project management system for processing all RFI's and Submittals.
a. Provide direct log in access for Architect, Architect's consultants, and Owner.
2. Transmit each submittal with a copy of the approved submittal form.
a. Submittal Format: Electronic, except sample submittals.
b. Sample Submittals: Submit as physical submittals as specified.
3. Submittal Schedule: Establish and maintain a submittal schedule, numbering each submittal by corresponding Specification Section number, and clearly identifying all submittals with project name.
a. Coordinate submittal schedule with Contractor's construction progress schedule.
b. Schedule submittals to expedite the Project, and coordinate submission of related items.
c. For each submittal for review, allow the number of calendar days as stipulated in the Construction Services Agreement for review, excluding delivery time from and back to Contractor.
d. The contractor is required to identify submittals that require expedited review and Architect's action in submittal schedule and shall notify Architect when review completion is required prior to sending those submittals to Architect for review.
4. Special Submittal Restrictions:
a. Submittals not requested may not be recognized or processed.
b. Submittals not reviewed and approved by Contractor before submitting to Architect may be rejected and may not be reviewed by Architect until Contractor's review and approval is complete. Claims for delay as the result of submittals not reviewed by Contractor may not be allowed.
5. Submittal Review Stamps:
a. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of Products required, field dimensions, adjacent construction Work, and coordination of information is in accordance with the requirements of the Work and Contract Documents. Submittals provided without Contractor's review will be subject to rejection without Architect's review.
b. Provide space for Contractor, Architect, and consultant review stamps.
6. Manufacturer's Catalog Submittals: If manufacturer's published catalog that is specifically applicable to the proposed products for this Project.
7. Resubmittals:
a. Identify variations from Contract Documents and Product or system limitations that may be detrimental to successful performance of the completed Work.
b. When revised for resubmission, identify all changes made since previous submission.
c. Make resubmissions under procedures specified for initial submittals.
8. Submittal Distribution: Distribute reviewed and approved submittals to all affected parties. Instruct parties to promptly report any inability to comply with indicated requirements.

B. Submittals - Architect's Action:
1. Architect will review each submittal, mark it with appropriate "action," and return to Contractor within 5 working days or as mutually agreed between Architect and Contractor for initial review, and 2 calendar days for each resubmittal.
2. Where submittals include materials, products, systems, or manufacturers not specified, approved by Addendum prior to execution of the Contract, Architect reserves the right to exceed the specified time allowance to allow sufficient time to determine the acceptability of such items, and no claim for delay by Contractor will be allowed.
3. Where submittals include a material, product, system, or manufacturer substitution which has not been previously accepted or approved in writing, Architect reserves the right to reject such submittal and require a compliant submittal or may direct that other action be taken by Contractor to achieve compliance with Contract Documents, and no claim for delay by Contractor will be allowed.
4. Where submittals approved by Architect may include a material, product, or system that is in error, inconsistent with intent of Contract Documents, or may be incorrectly specified by Contractor's delegated design subcontractor, Architect is not responsible for consequences of any kind.
5. Architect's review is for general conformance only and does not relieve Contractor from full compliance with the Contract Documents.

C. Submittals for Review:
1. When the following are specified in individual Sections, submit them for review:
a. Product data.
b. Shop drawings.
c. Samples for selection.
d. Samples for verification.
e. Other types as specified.
2. Submit to Architect for review for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.
3. Samples will be reviewed only for aesthetic, color, or finish selection as applicable.
4. Coordinate submittals into logical groupings to facilitate interrelation of the several items:
a. Submit a complete package of specified submittals for each product or system, generally associated with an individual specification Section. Partial submittals will not be reviewed, and no delay claim will be considered as the result of a partial submittal being returned for proper resubmittal.
b. Submit the interior finishes samples and product data as a single package, including but not limited to finishes items specified in Divisions 09, 10, and 12.
c. Submit all door, frame, and hardware product data, schedules, and other specified submittal information in a single package as specified in Division 08.

D. Submittals for Information:
1. When the following are specified in individual Sections, submit them for information:
a. Design data.
b. Schedules.
c. Test reports.
d. Inspection reports.
e. Manufacturer's instructions.
f. Manufacturer's field reports.
g. Other types are specified.
2. Submit for Architect's knowledge as contract administrator for Architect. No action will be taken.

E. Submittals for Project Closeout:
1. When the following are specified in individual Sections, submit them at project closeout:
a. Project record documents.
b. Maintenance materials: for list of specific maintenance materials required, see MAINTENANCE MATERIALS at end of specifications below.
c. Warranties.

F. Construction Progress Schedule:
1. Within 7 days after date of the Agreement or as required by Owner's authorized representative, submit preliminary schedule for the Work.
2. If the preliminary schedule requires revision after review, submit a revised schedule within 3 days.
3. Within 3 days after joint review, submit complete schedule.
4. Include written certification that major Subcontractors have reviewed and accepted proposed schedule.
5. Submit updated schedule as may be necessary from time-to-time Design data. Indicate work that is leading and lagging behind the critical path of the approved schedule and propose remedies to achieve approved schedule.

G. Project Meetings:
1. Except as otherwise indicated, schedule and conduct meetings.
2. Preconstruction Conference: Architect will schedule and conduct the preconstruction conference.
3. Project Closeout Conference: No later than 30 days prior to the scheduled date of Substantial Completion.
4. Progress Meetings: At regular intervals, coordinated with preparation of payment requests.
5. Preinstallation Conferences: Before each construction activity that requires coordination.
6. Coordination Meetings: At regular intervals, in addition to specific meetings held for other purposes.

01 32 33 – PHOTOGRAPHIC DOCUMENTATION

A. Digital Photographs: Submit image files within three days of taking photographs.
1. Submit photos electronically. Include copy of key plan indicating each photograph's location and direction.
2. Identification: Provide the following information with each image description in a web-based Project management software site:
a. Name of Project.
b. Name of Contractor.
c. Date photograph was taken.
d. Description of location, vantage point, and direction.
e. Unique sequential identifier keyed to accompanying key plan.
3. Formats and Media:
a. Digital Photographs: Provide color images in JPG format. Photographs should be clear, free from obstruction with appropriate lighting, and easily viewable.
b. Digital Images: Submit digital media as originally recorded in the digital camera, without alteration, manipulation, editing, or modifications using image-editing software.
4. Construction Photographs:
a. General: Take photographs with maximum depth of field and in focus.
b. Maintain key plan with each set of construction photographs that identifies each photographic location.
c. Preconstruction Photographs: Before commencement of the Work, take photographs of Project site and surrounding properties, including existing items to remain during construction, from different vantage points, as directed by Architect.
d. Take photographs of existing buildings either on or adjoining property, to accurately record physical conditions at start of construction.
5. Concealed Work Photographs: Before proceeding with installing work that will conceal other work, take photographs sufficient in number, with annotated descriptions, to record nature and location of concealed Work.
6. Periodic Construction Photographs: Take photographs at weekly intervals coinciding with the cutoff date associated with each Application for Payment. Select vantage points to show the status of construction and progress since the last photographs were taken.
7. Final Completion Construction Photographs: Take photographs after the date of Substantial Completion for submission as Project Record Documents. The architect will inform the photographer of the desired vantage points.
8. Additional Photographs: Architect may request photographs in addition to periodic photographs specified. Additional photographs will be paid for by Change Order and are not included in the Contract Sum.
a. Three days' notice will be given, where feasible.
b. In emergency situations, take additional photographs within 24 hours of request.

01 40 00 - QUALITY REQUIREMENTS

A. Quality Control: Maintain quality control over subcontractors, subcontractors, suppliers, manufacturers, products, services, site conditions, and workmanship to produce Work of specified quality according to the requirements of the Contract Documents.

B. Quality Assurance:
1. Become completely familiar with applicable requirements of codes and regulations.
2. Verify that materials and equipment used in the Work meet or exceed code requirements.

C. References and Standards:
1. For products and workmanship specified by reference to a document or documents not included in the specifications, also referred to as reference standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
2. Conform to reference the standard of date of issue current on date of Contract on date of Contract Documents, except where a specific date or edition is established by applicable code.
3. Should specified reference standards conflict with Contract Documents, request clarification from Architect before proceeding.

D. Delegated Design Requirements:
1. Performance and Design Requirements: Where professional design services or certifications by a licensed design professional are specifically required of Contractor by the Contract Documents, provide products and systems complying with performance and design requirements specified in individual specification Sections.
2. If specified performance or design requirements are not sufficiently complete to perform required services or provide required certifications, submit a written request for additional information to Contractor.
3. Refer to Section 01 10 00 for a listing of specification Sections that include delegated design requirements.

E. Mock-Ups:
1. Assemble and erect individual system or product mock-ups as specified individual specification Sections.
2. Accepted mock-ups shall be a comparison standard for the remaining Work.

01 50 00 - TEMPORARY FACILITIES AND CONTROLS

A. Temporary Barriers:
1. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public, and to protect existing facilities and adjacent areas from damage from construction operations.
2. Protect stored materials from damage.
3. Protect freight/service elevators or other facilities used to deliver or remove materials as outlined in the building owner's rules, regulations, and construction procedures.

B. Temporary Utilities:
1. Contractor or building owner will provide the following:
a. Electrical power and metering, consisting of connection to existing facilities.
b. Water supply, consisting of connections to existing facilities.

C. Temporary Sanitary Facilities:
1. Use of existing facilities is not permitted unless otherwise permitted by the building owner in the building owner's rules, regulations, and construction procedures.

D. Waste Removal:
1. Provide waste removal facilities and services as required to maintain the construction area in clean and orderly condition.
2. Provide containers with lids. Remove trash from site daily.
3. Materials to be recycled or re-used on the project must be stored on-site, provide suitable non-combustible containers; locate containers holding flammable material outside the structure unless otherwise approved by the authorities having jurisdiction.

01 60 00 - PRODUCT REQUIREMENTS

A. Existing Products:
1. Do not use materials and equipment removed from existing premises unless specifically required or permitted by the Contract Documents.
2. Existing materials and equipment indicated to be removed but not to be re-used, relocated, reinstalled, delivered to the Contractor or building owner, or otherwise indicated to remain the property of the Contractor or building owner, shall become the property of the Contractor; remove from site. If not stated in the building owner's rules and regulations, obtain clarification from the building owner.

B. New Products:
1. Provide new products unless specifically required or permitted by the Contract Documents.
2. Do not use products that have any of the following characteristics:
a. Made using or containing CFC's or HCFC's.
b. Containing lead, cadmium, asbestos.
c. VOC restricted products as specified in individual specification Sections.

C. Samples: Material samples shall be sent to client and Architect for approval.

D. Product Options:
1. Products Specified by Reference Standards or by Description Only: Use product meeting those standards or description.
2. Products Specified by Naming One or More Manufacturers: Use a product of one of the manufacturers named and meeting specifications, no options or substitutions allowed.
3. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: Submit a request for substitution for any manufacturer not named.
4. Products Specified by Naming a Basis of Design Manufacturer or Product with a Provision for Substitutions: Submit a request for substitution for any other manufacturer listed under Other Acceptable Manufacturers, or for a manufacturer not named.

E. Substitution Procedures:
1. Substitutions are required to be verified by client, client's project manager, and Architect.
2. Architect may consider requests for substitutions when one or more of the following conditions exist, as determined by Architect. If one or more of the following conditions are determined not to exist, Architect may not consider request further and may take no action except to record the request and its non-compliance. Consideration may be made if substitution requests:
a. Offers Owner substantial advantage in cost, time, energy conservation, or other consideration, after deducting additional responsibilities Owner must assume as the result.
b. Is consistent with intent of Contract Documents and will produce intended work results.
c. Is fully documented and properly submitted.
d. Will not adversely affect Contractor's construction schedule.
e. Becomes unavailable through no fault of the Contractor.
f. Cannot be provided within the Contract Time; Architect will not consider substitution if Product cannot be provided as the result of Contractor's failure to schedule and coordinate the Work as required by Contract Documents.
3. Substitutions for Convenience: Not Allowed, unless otherwise indicated.
4. Document each request with complete data substantiating compliance of proposed substitution with Contract Documents.
5. Substitutions will not be considered when they are indicated or implied on shop drawing or product data submittals, without separate written request, or when acceptance will require revision to the Contract Documents.
6. Substitution Submittal Procedure:
a. Submit one digital copy of request for substitution for consideration. Limit each request to one proposed substitution.
b. Submit shop drawings, product data, and certified test results attesting to the proposed product equivalence. Burden of proof is on proposer.
c. The Architect will notify the Contractor in writing of decision to accept or reject request.

F. Storage and Protection of Products:
1. Designate receiving/storage areas for incoming products so that they are delivered according to installation schedule and placed convenient to work area in order to minimize waste due to excessive materials handling and misapplication.
2. Store and protect products in accordance with manufacturers' instructions.
3. Provide for proper environmental conditions for all materials to be installed. Allow for adequate time for materials to "acclimatize" to job site conditions prior to installing. Provide adequate protection at areas which may be exposed to exterior environmental conditions to avoid temperature and humidity fluctuations in interior materials (new and existing/installed or stored).
4. Provide bonded off-site storage and protection when the site does not permit on-site storage or protection.
5. Periodically inspect to verify products are undamaged and are maintained in acceptable condition.

G. Coordination:
1. Coordinate affected work as necessary to integrate work of approved comparable products and approved substitutions.

H. Product Warranty:
1. Warranties specified in other Sections shall be in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of obligations under requirements of the Contract Documents.
a. Manufacturer's Warranty: Written warranty furnished by individual manufacturer for a particular product and specifically endorsed by manufacturer to Owner.
b. Special Warranty: Written warranty required by the Contract Documents to provide specific rights for the Owner.
2. Special Warranties: Prepare a written document that contains appropriate terms and identification, ready for execution.
a. Manufacturer's Standard Form: Modified to include Project-specific information and properly executed.
b. Specified Form: When specified forms are included with the Specifications, prepare a written document using indicated form properly executed.
c. See other Sections for specific content requirements and particular requirements for submitting special warranties.

01 70 00 - EXECUTION AND CLOSEOUT REQUIREMENTS

A. General Installation Requirements:
1. In addition to compliance with regulatory requirements, conduct construction operations in compliance with NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations.
2. Install products as specified in individual Sections and in accordance with manufacturer's instructions and recommendations.
3. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.
4. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.
5. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.
6. Make neat transitions between different surfaces, maintaining texture and appearance.

B. Protection of Installed Work:
1. Protect installed work from damage by construction operations.
2. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.
3. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.
4. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.
5. Failure to protect installed and existing work may result in withholding of payments to Contractor as determined by Architect. Damage resulting from failure to protect installed and existing work must be fully repaired or replaced as applicable to the satisfaction of Architect at no additional cost to Owner.

C. Protection of Final Cleaning:
1. General Project Requirement: Cleaning materials, products, and applications must be Green Seal-compliant; materials, products, and applications that are not Green Seal- compliant are not permitted.
2. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
3. Remove debris and rubbish from wall cavities, pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.
4. Broom and vacuum clean interior areas prior to the start of surface finishing and continue cleaning to eliminate dust.
5. Execute final cleaning after Substantial Completion but before making final application for payment.
6. Remove all labels that are not permanent. Do not paint or otherwise cover fire test labels or nameplates on mechanical and electrical equipment.
7. Clean equipment and fixtures to a sanitary condition with cleaning materials appropriate to the surface and material being cleaned.
8. Replace filters of operating equipment with new filters.
9. Remove waste, surplus materials, trash/rubbish, and construction facilities from the site; dispose of in legal manner; do not burn or bury.
10. Clean Architect-occupied areas of work.

D. Closeout Procedures:
1. Notify Architect in writing when work is considered ready for Substantial Completion.
a. Contractor's punch needs to be complete before Substantial Completion.
b. Prerequisite for Substantial Completion: In addition to definition of Substantial Completion in the Owner to fully occupy or utilize tenant space for intended use in all respects.
2. Accompany Architect and Tenant on preliminary final inspection to determine items to be listed for completion or correction in Contractor's Notice of Substantial Completion.
3. Make submittals that are required by governing or other authorities.
4. Submit written certification that Contract Documents have been reviewed, work has been inspected, and that work is complete in accordance with Contract Documents and ready for Architect's review.
5. Correct items of work listed in executed Certificates of Substantial Completion and comply with requirements for access to Architect-occupied areas.
6. Notify Architect when work is considered finally complete.
7. Complete items of work determined by Architect's final inspection.

01 73 29 - CUTTING AND PATCHING RESTRICTIONS

A. Cutting:
1. Whenever possible, execute the work by methods that avoid cutting or patching.
2. Perform whatever cutting and patching is necessary to:
a. Complete the work.
b. Fit products together to integrate with other work.
c. Provide openings for penetration of mechanical, electrical, and other services.
d. Match work that has been cut to adjacent work.
e. Repair areas adjacent to cuts to required condition.
f. Repair new work damaged by subsequent work.
g. Remove samples of installed work for testing when requested.
h. Remove and replace defective and non-conforming work.
3. Execute work by methods that avoid damage to other work and that will provide appropriate surfaces to receive patching and finishing. In existing work, minimize damage and restore to original condition.
4. Employ skilled and experienced installers to perform cutting for weather exposed and moisture resistant elements, and sight exposed surfaces.
5. Cut rigid materials, resulting in clean and neat edges, using masonry saw or core drill. Cutting rigid materials using chisels, impact or pneumatic tools is not allowed without prior approval.
6. For assemblies with existing warranties, obtain and follow instructions from manufacturers to maintain warranty after cutting and patching.
7. Restore work with new products in accordance with requirements of Contract Documents.
8. Fit the work airtight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
9. At penetrations of fire rated walls, partitions, ceiling, or floor construction, completely seal voids with fire rated material in accordance with Section 07 84 13 and 07 84 43 to full thickness of the penetrated element.

B. Patching:
1. Finish patched surfaces to match finish that existed prior to patching. On continuous surfaces, refinish to nearest intersection or natural break. For an assembly, refinish the entire unit.
2. Match color, texture, and appearance.
3. Repair patched surfaces that are damaged, lifted, discolored, or showing other imperfections due to patching work. If defects are due to condition of substrate, repair substrate prior to repairing finish.

01 78 39 – PROJECT RECORD DOCUMENTS

A. Items submitted to Architect for review prior to distribution to Owner:
1. Marked-up copies of Contract Drawings.
2. Addenda and Change Orders.
3. Record information on Work that is recorded only schematically, when part of record documents.
4. Complete set of RFI's.

B. Items delivered directly to Owner:
1. Orders.
2. Marked-up copies of Shop Drawings.
3. Marked-up Product Data submittals.
4. Record Samples.
5. Field records for variable and concealed conditions.
6. Project photographs.
7. Copies of change orders, submittal, substitutions, warranties and other forms that are part of this Project.

C. Record Documents: During construction, maintain a set of prints of Contract Documents, including drawings, specifications, and Shop Drawings.
1. Mark Record Documents to identify changes and as-built conditions clearly.
a. Mark record drawings to show the actual installation where the installation varies from the installation shown originally.
b. Where Shop Drawings are used, cross-reference the corresponding location on the Contract Drawings.
c. Give particular attention to concealed elements that would be difficult to measure and record at a later date.
d. Furnish As-Built drawings to the Architect at substantial completion.
e. Note alternate numbers, change-order numbers, and similar identification.
2. Responsibility for Markup: The individual or entity who obtained record data, whether the individual or entity is the Installer, subcontractor, or similar entity, shall prepare the markup on record drawings.
3. Submit PDF electronic files of scanned record documents to the Owner. Include all documents, whether changes were made or not.

D. Record Drawings: Compile PDF electronic drawing sets.

E. Record Specification: One PDF electronic file.

F. Record Product Data: Submit annotated PDF electronic files and directories of each submittal.

G. Miscellaneous Record Submittals: Categories of requirements resulting in miscellaneous records specified in other Sections.

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BRAD HINTHORNE
STATE OF WASHINGTON

PROJECT

MULTICARE GOOD SAMARITAN
LAB IR UPGRADES

401 15th Ave SE,
Puyallup, WA 98372

PERMIT SET 01.10.2025

MultiCare Good Samaritan Hospital

MULTICARE GOOD SAMARITAN

401 15th Ave SE,
Puyallup, WA 98372

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		162436.000

TITLE

ARCHITECTURAL SPECIFICATIONS - LAB IR UPGRADES

SHEET NUMBER

SP-01B

01 79 00 – DEMONSTRATION AND TRAINING

A. Complete training program shall be developed by the Contractor for systems and machinery installed at the Project and to be operated by Owner's personnel. Training program, in its entirety, shall become property of the Owner.

DIVISION 02 - EXISTING CONDITIONS AND DEMOLITION

02 10 00 - EXISTING CONDITION DOCUMENTATION

A. Existing Facility Record Drawings:
1. A copy may be available upon request; inquire of Architect or building owner regarding existence and availability of record drawings, if any.
2. Contractors are required to visit the existing facility and become acquainted with existing conditions.
3. Drawings showing existing construction and utilities are based on casual field observation and existing record documents only. Confirm all dimensions on plans specifically noted as "Field Verify"
   a. Verify that construction and utility arrangements are as shown.
   b. Report discrepancies to Architect before disturbing existing installation.
   c. Beginning of Work constitutes acceptance of existing conditions.

02 26 00 – HAZARDOUS MATERIALS

A. Hazardous Materials: If hazardous materials are discovered during tenant finish operations, stop work and notify Architect and Owner; hazardous materials include regulated asbestos containing materials, lead, PCB's, and mercury.
1. Comply with 29 CFR 1926 and state and local regulations.
2. The owner will remove hazardous materials under separate contracts.

02 41 19 16 – SELECTIVE INTERIOR DEMOLITION

A. Alterations Procedures:
1. Keep areas in which alterations are being conducted separated from other areas that are still occupied.
   a. Provide, erect, and maintain temporary dustproof enclosures.
2. Remove existing work as indicated and as required to accomplish new work.
   a. Where electrical floor boxes, poke-throughs, conduit, plumbing, piping, or other equipment or devices are removed, fire-seal floor penetrations. Refer to structural drawings for holes greater than 1-1/2 inches in diameter and Division 07 (Thermal and Moisture Protection) for firestopping of smaller openings. Coordinate interrelated subcontractor work associated with firestopping and filling floor openings.
   b. Where new surface finishes are to be applied to existing work, perform removals, patch, and prepare existing surfaces as required to receive new finish; remove existing finish if necessary for successful application of new finish.
   c. Remove all residual base adhesive remaining after demolition of base. Prepare the wall surface as required for specified finish.
3. Existing Facility Services (Including but not limited to HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications): Remove, relocate, and extend existing systems to accommodate new construction.
   a. Maintain existing active systems that are to remain in operation; maintain access to equipment and operational components; if necessary, modify installation to allow access or provide access panel.
   b. Where existing systems or equipment are not active and Contract Documents require reactivation, put back into operational condition; repair supply, distribution, and equipment as required.
   c. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
      i. Disable existing systems only to make switchovers and connections; minimize duration of outages. Provide 5 days advance notice to Owner of any planned outages.
      ii. Provide temporary connections as required to maintain existing systems in service.
   d. Verify that abandoned services serve only abandoned facilities.
   e. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings; remove back to source of supply where possible, otherwise cap stub and tag with identification; patch holes left by removal using materials specified for new construction.
   f. Ensure that existing fire-rated and smoke-resistant partitions to remain are constructed accordingly and make repairs or corrections needed to ensure functional integrity.
   g. Some existing fire-rated partitions may be de-rated. Refer to drawings for location(s). Items such as existing fire or fire-smoke dampers shall be demold and above ceiling labels changed.
4. Protect existing work to remain.
   a. Prevent movement of structure; provide shoring and bracing if necessary.
   b. Perform cutting to accomplish removals neatly and as specified for cutting new work.
   c. Repair adjacent construction and finishes damaged during removal work.
5. Adapt existing work to fit new work. Make as neat and smooth a transition as possible. Comply with requirements of Section 01 73 29 - Cutting and Patching Restrictions.
   a. When existing finished surfaces are cut so that a smooth transition with new work is not possible, terminate existing surface along a straight line at a natural line of division and make recommendation to Architect.
   b. Where removal of partitions or walls results in adjacent spaces becoming one, rework floors, walls, and ceilings to a smooth plane without breaks, steps, or bulkheads.
   c. Where a change of plane of 1/4 inch (6 mm) or more occurs in existing work, submit recommendation for providing a smooth transition for Architect review and request instructions.
   d. Trim existing wood doors as necessary to clear the new floor finish. Refinish the trim as required.
6. Patching: Where the existing surface is not indicated to be refinished, patch to match the surface finish that existed prior to cutting. Where the surface is indicated to be refinished, patch so that the substrate is ready for the new finish. Comply with requirements of Section 01 73 29 - Cutting and Patching Restrictions.
7. Refinish existing surfaces as indicated:
   a. Where rooms or spaces are indicated to be refinished, refinish all visible existing surfaces to remain to the specified condition for each material, with a neat transition to adjacent finishes.
   b. If mechanical or electrical work is exposed accidentally during the work, re-cover and refinish to match.
8. Clean existing systems and equipment.
9. Remove demolition debris and abandoned items from alterations areas and dispose of off-site.

02 50 00 - EXISTING STRUCTURE LIMITATIONS

A. Existing Structure Limitations:
1. Existing Building Structure: Protect existing building structural elements indicated to remain. Alteration of existing building structural elements is strictly prohibited, unless specifically indicated otherwise on Drawings. If existing structural elements must be modified to complete design intent, notify Architect for direction and possible modifications that may be required by the Structural Engineer.
2. Core Drilling: Core drill slabs as required to install new items as detailed on Drawings. If required based on existing slab conditions or by building owner's construction rules and regulations, employ methods of detecting existing tensioned and un-tensioned reinforcing, and other embedded items, that will not be hazardous to humans or damage Owner's existing facilities and equipment. If the building owner has specific requirements, comply with those requirements.
3. Powder-actuated Fasteners and Post-installed Anchors: Verify existing slab conditions employing methods of detection specified for core drilling; locate fasteners and anchors to avoid structural damage to existing slabs and existing tensioned reinforcing. See structural Drawings for additional requirements and limitations. Avoid exceeding allowable floor loading capacity at any location by any construction process and specifically by the moving and storage of
   a. construction materials or operation of any hoist, vehicle or crane device. Obtain floor capacities from building owner.

DIVISION 09 – FINISHES

09 29 00 - GYPSUM BOARD

Refer to MCHS Master Specifications, Hospital Campuses issued 31 March 2014 and MultiCare General Finishes Standards issued January,2021.

09 22 16 – NON -STRCTURAL METAL FRAMING

Refer to MCHS Master Specifications, Hospital Campuses issued 31 March 2014 and MultiCare General Finishes Standards issued January,2021.

09 65 13 – RESILIENT BASE AND ACCESSORIES

Refer to MCHS Master Specifications, Hospital Campuses issued 31 March 2014 and MultiCare General Finishes Standards issued January,2021.

09 65 16 – RESILIENT SHEET FLOORING

Refer to MCHS Master Specifications, Hospital Campuses issued 31 March 2014 and MultiCare General Finishes Standards issued January,2021.
-

09 72 16 – RIGID SHEET WALL COVERINGS

A. The Section includes requirements for Rigid sheet wallcoverings.

B. Performance Requirements:
1. Fire-Test-Response Characteristics: As determined by testing identical rigid wall coverings applied with identical adhesives to substrates in accordance with test method indicated below by a qualified testing agency. Identify products with appropriate markings from an applicable testing agency.
   a. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings from an applicable testing agency.
      i. Flame-Spread Index: 25 or less.
      ii. Smoke-Developed Index: 450 or less.

C. Rigid Sheet Wall Coverings:
1. Manufacturers: Subject to compliance with requirements provide Whiterock as manufactured by Altro or comparable products approved in writing by Architect by one of the following:
   a. Inpro Corp.,
   b. CS Acrovyn,
   c. Koroseal
2. Description: Non-porous antibacterial decorative rigid wall panel and corner pieces. complying with the following:
   a. Overall thickness: 0.10 inch (2.5 mm).
   b. Weight: Less than 1.30 lbs./sq. ft. (2.9 kg/sq. m)
   c. Surface: Smooth.
   d. Seaming Method: Heat welded.
   e. Adhesive Method: Full-spread adhesive to completely adhere wall panel to primed substrate as recommended by manufacturer.
   f. Impact Resistance limit: 198 in/lbs.
3. Colors, Textures, and Patterns: As selected by Architect from manufacturer's full range.

D. Accessories:
1. Adhesive: Mildew-resistant, nonstaining adhesive, for use with specific rigid wall covering and substrate application indicated and as recommended in writing by wall-covering manufacturer.
   a. Verify adhesives have a VOC content of 50 g/L or less.

E. Installation Of Rigid Wall Covering:
1. Comply with rigid wall-covering manufacturers' written installation instructions applicable to products and applications indicated

09 91 00 - PAINTING AND COATING

Refer to MCHS Master Specifications, Hospital Campuses issued 31 March 2014 and MultiCare General Finishes Standards issued January,2021

09 91 02 – INTERIOR PAINTING SCHEDULE

Refer to MCHS Master Specifications, Hospital Campuses issued 31 March 2014 and MultiCare General Finishes Standards issued January,2021

DIVISION 10 –SPECIALTIES

10 26 00 – WALL, DOOR AND CORNER PROTECTION

Refer to MCHS Master Specifications, Hospital Campuses issued 31 March 2014 and MultiCare General Finishes Standards issued January,2021

DIVISION 12 - FURNISHINGS

12 24 13 - ROLLER WINDOW SHADES

Refer to MCHS Master Specifications, Hospital Campuses issued 31 March 2014 and MultiCare General Finishes Standards issued January,2021

DIVISION 13 – SPECIAL CONSTRUCTION

SECTION 13 49 13 - INTEGRATED X-RAY SHIELDING ASSEMBLIES

A. Lead-Laminated Gypsum Board:
1. Lead-Laminated Gypsum Board: Single unpierced layer of sheet lead complying with ASTM B749 laminated to back of gypsum board complying with ASTM C1396/C1396M; provide gypsum wall panel with fire resistant core, Type X, and surfaced with paper on front, back, and long edges; UL rated.
   i. Size: 48 inch (1219 mm) wide by height as indicated.
   ii. Gypsum Board Thickness: 1/2 inch (12.7 mm), minimum.
   iii. Lead Thickness: 0.0156 inch (0.396 mm), minimum.

B. Fabrication:
1. Lead-Laminated Gypsum Board: Fabricate with monolithic sheet lead bonded to one surface of board, extend lead sheet 1 inch (25 mm) beyond one side and one end of board

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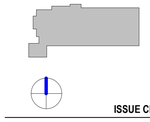
Puyallup, WA 98372

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 162436.000

TITLE

ARCHITECTURAL SPECIFICATIONS - LAB IR UPGRADES

SHEET NUMBER

SP-02B

PRCTI20250145

GENERAL NOTES

THESE GENERAL NOTES ARE TO BE USED AS A SUPPLEMENT TO THE SPECIFICATIONS. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THE SPECIFICATIONS, THESE GENERAL NOTES AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ARCHITECT, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE GENERAL CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE GENERAL CONTRACTOR'S RISK. THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. THE STRUCTURE HAS BEEN DESIGNED TO RESIST CODE SPECIFIED VERTICAL AND LATERAL FORCES AFTER THE CONSTRUCTION OF ALL STRUCTURAL ELEMENTS HAS BEEN COMPLETED. STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS RESPONSIBILITY INCLUDES BUT IS NOT LIMITED TO JOB SITE SAFETY; ERECTION MEANS, METHODS, AND SEQUENCES; TEMPORARY SHORING, FORMWORK, BRACING; USE OF EQUIPMENT AND CONSTRUCTION PROCEDURES. PROVIDE ADEQUATE RESISTANCE TO LOADS ON THE STRUCTURES DURING CONSTRUCTION PER SEI/ASCE STANDARD NO. 37-14 "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION."

CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH DESIGN ASPECTS ONLY AND IS NOT INTENDED IN ANY WAY TO REVIEW THE CONTRACTOR'S CONSTRUCTION PROCEDURES.

STANDARDS
ALL METHODS, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2021 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING OFFICIAL OR APPLICABLE JURISDICTION.

CONTRACT DRAWINGS / DIMENSIONS

ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. CONSULTANT DRAWINGS BY OTHER DISCIPLINES ARE SUPPLEMENTARY TO ARCHITECTURAL DRAWINGS. REPORT DIMENSIONAL OMISSIONS OR DISCREPANCIES BETWEEN ARCHITECTURAL DRAWINGS AND STRUCTURAL, MECHANICAL, ELECTRICAL OR CIVIL DRAWINGS TO ARCHITECT PRIOR TO PROCEEDING WITH WORK.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. PRIMARY STRUCTURAL ELEMENTS ARE DIMENSIONED ON STRUCTURAL PLANS AND DETAILS AND OVERALL LAYOUT OF STRUCTURAL PORTION OF WORK. SOME SECONDARY ELEMENTS ARE NOT DIMENSIONED, SUCH AS WALL CONFIGURATIONS, INCLUDING EXACT DOOR AND WINDOW LOCATIONS, ALCOVES, SLAB SLOPES AND DEPRESSIONS, CURBS, ETC. VERTICAL DIMENSIONAL CONTROL IS DEFINED BY ARCHITECTURAL WALL SECTIONS AND BUILDING SECTIONS. STRUCTURAL DETAILS SHOW DIMENSIONAL RELATIONSHIPS TO CONTROL DIMENSIONS DEFINED BY ARCHITECTURAL DRAWINGS. DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN **BOTH** ARCHITECTURAL AND STRUCTURAL DRAWINGS.

DESIGN CRITERIA

VERTICAL LOADS

THE EXISTING BUILDING INFORMATION:

HOSPITAL PATIENT TOWER, RISK CATEGORY IV, IR ROOM

THE BUILDING OCCUPANCY WILL REMAIN THE SAME AND NO SEISMIC RETROFIT TRIGGERS ANTICIPATED.

DESIGN ITEM LIST
1. SEISMIC ANCHORAGE AND BRACING OF MECHNICAL EQUIPMENT AND MEDICAL EQUIPMENT.

SEISMIC: (ASCE 7-16)

LATERAL FORCE:

$$F_p = \frac{0.4a_p S_{DS} W_p}{\left(\frac{R}{I_p}\right)}\left(1+2\frac{z}{h}\right)$$

Fp IS NOT REQUIRED TO BE TAKEN AS GREATER THEN

$$F_p = 1.6 S_{DS} I_p W_p$$

Fp IS NOT REQUIRED TO BE TAKEN AS GREATER THEN

$$F_p = 0.3 S_{DS} I_p W_p$$

COMPONENT IMPORTANCE FACTOR, Ip = 1.5
RISK CATEGORY OF BUILDING PER IBC TABLE 1604.5 = IV
SPECTRAL RESPONSE ACCELERATIONS S_S = 1.267 & S_1 = 0.436
SITE CLASS PER TABLE 20.3-1 = D
DESIGN SPECTRAL RESPONSE ACCELERATIONS S_{DS} = 0.964
SEISMIC DESIGN CATEGORY = D (ASSUMED)
ANALYSIS PROCEDURE USED = SEISMIC DEMENS ON NONSTRUCTURAL COMPONENTS
RESPONSE MODIFICATION FACTOR PER CHAPTER 13 OF ASCE, R = VARIES

PIPES, DUCTS AND MECHANICAL EQUIPMENT SUPPORTED OR BRACED FROM STRUCTURE SHALL CONFORM TO SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION, INC. PUBLICATION "SEISMIC RESTRAINT MANUAL: GUIDELINES FOR MECHANICAL SYSTEMS". SPRINKLER LINE ATTACHMENTS SHALL CONFORM TO NFPA PAMPHLET 13.

POST-INSTALLED ANCHORS

POST-INSTALLED ANCHORS: SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE STRUCTURAL ENGINEER PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH REBAR. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. INSTALLER SHALL BE QUALIFIED AND TRAINED BY THE MANUFACTURER. HOLES SHALL BE HAMMER DRILLED ONLY (ROTARY DRILLED ONLY AT UNREINFORCED MASONRY - NO HAMMER TOOLS).

SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW, SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF 2 WEEKS PRIOR TO BID, ALONG WITH CALCULATIONS THAT SHALL BE STAMPED BY A PROFESSIONAL ENGINEER (LICENSED IN THE STATE OF THE PROJECT) DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.

CONCRETE ANCHORS:
- ADHESIVE ANCHORS: HILTI HIT-HY 200 V3 (ICC-ESR-4868), HILTI HIT-RE 500 V3 (ICC-ESR-3814), DEWALT PURE 110+ (ICC-ESR-3298) OR SIMPSON SET-3G (ICC-ESR-4057) OR PRE-APPROVED EQUAL.
  - *CONCRETE SHALL BE A MINIMUM OF 21 DAYS OLD AT TIME OF INSTALLATION.
  - *CONCRETE SHALL BE IN THE TEMPERATURE RANGE AS REQUIRED BY THE CONCRETE MANUFACTURER.
  - *HOLE SHALL BY HAMMER-DRILLED ONLY.
  - *DO NOT INSTALL IN WATER-FILLED HOLES.
  - *INSTALLER OF HORIZONTAL OR UPWARDLY INCLINED (ANY POSITION EXCEPT DIRECTLY DOWNWARD) ANCHORS SHALL ALSO BE CERTIFIED BY THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM.
- EXPANSION ANCHORS: KWIKBOLT TZ2 (ICC ESR-4266) BY HILTI, INC., OR PRE-APPROVED EQUAL.
- SCREW ANCHORS: KWIK HUS-EZ (ICC ESR-3027) BY HILTI, INC., OR PRE-APPROVED EQUAL.

!! Special Inspections are required for many of these anchors.
Prior to installation:
Review anchor product's ICC-ES Report and install the product per the report. If the report states special inspection(s) are required - the final special inspection report must be on site during City inspections.

STRUCTURAL STEEL

DETAILING, FABRICATION AND ERECTION

ALL WORKMANSHIP SHALL CONFORM TO THE AISC MANUAL OF STEEL CONSTRUCTION, 15TH EDITION, THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS JULY 7, 2016, THE AISC CODE OF STANDARD PRACTICE, JUNE 15, 2016 AND THE AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS, JULY 12, 2016.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION AIDES AND JOINT PREPARATIONS THAT INCLUDE BUT ARE NOT LIMITED TO, ERECTION ANGLES, LIFT HOLES, AND OTHER AIDES, WELDING PROCEDURES, REQUIRED ROOT OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, WELD EXTENSION TABS, COPES, SURFACE ROUGHNESS VALUES AND TAPERS OF UNEQUAL PARTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLIANCE WITH ALL CURRENT OSHA REQUIREMENTS.

HOLES, COPES OR OTHER CUTS OR MODIFICATIONS OF THE STRUCTURAL STEEL MEMBERS SHALL NOT BE MADE IN THE FIELD WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

MATERIAL PROPERTIES

ANGLE: ASTM A36 (Fy = 36 KSI) TYP. U.N.O.

PLATE: ASTM A572 (Fy = 50 KSI)

MACHINE BOLTS (M.B.): ASTM A307, GRADE A

STATEMENT OF SPECIAL INSPECTIONS:

SPECIAL INSPECTION: SPECIAL INSPECTION SHALL BE PROVIDED PER THE REQUIREMENTS OF IBC SECTION 1704 AND 1705 AND AS NOTED HEREIN.

STRUCTURAL SYSTEM	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	COMMENTS	REFERENCES
CONCRETE	ANCHORS POST-INSTALLED IN HARDENED CONCRETE (MECHANICAL ANCHORS INSTALLED IN ANY DIRECTION AND ADHESIVE ANCHORS INSTALLED DOWNWARD)		X	PERIODIC INSPECTION TO INCLUDE A QUANTITY OF 10% WITH A MINIMUM OF (5) ANCHORS INSPECTED PER INSTALLER ON A DAILY BASIS.	ACI 318: 26.7 MFR EVAL REPORT MFR PUBLISHED INSTALLATION INSTRUCTIONS

TESTING AND SPECIAL INSPECTION REPORTS SHALL BE PREPARED FOR EACH INSPECTION ITEM ON A DAILY BASIS WHENEVER WORK IS PERFORMED ON THAT ITEM. REPORTS SHALL BE DISTRIBUTED TO OWNER, CONTRACTOR, BUILDING OFFICIAL, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD.

STRUCTURAL OBSERVATIONS SHALL BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD OR DESIGNATED REPRESENTATIVE IN ACCORDANCE WITH IBC 1704.6. STRUCTURAL OBSERVATION SHALL BE PERFORMED AS FOLLOWS:

- PERIODIC VISUAL OBSERVATION OF STRUCTURAL SYSTEMS FOR GENERAL CONFORMANCE TO CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES.
- REVIEW OF TESTING AND INSPECTION REPORTS.
- REPORTS SHALL BE PREPARED FOR EACH SITE VISIT AND SHALL BE DISTRIBUTED TO ARCHITECT.

GENERAL CONTRACTOR SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL INCLUDE ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTION.

A

ABBREVIATION LIST

@	AT	HDR	HEADER
A.B.	ANCHOR BOLT	HGR	HANGER
ADD'L	ADDITIONAL	HORIZ.	HORIZONTAL
A.F.F.	ABOVE FINISH FLOOR	HSS	HOLLOW STRUCTURAL SECTION
ALT.	ALTERNATE	HT	HEIGHT
ARCH.	ARCHITECTURAL	INT.	INTERIOR
BLD'G	BUILDING	JST	JOIST
BLK'G	BLOCKING	JT	JOINT
BM	BEAM	L	ANGLE
B.O.F.	BOTTOM OF FOOTING	L.F.R.S.	LATERAL FORCE-RESISTING SYSTEM
BOT.	BOTTOM	L.L.	LIVE LOAD
BRB	BUCKLING RESTRAINED BRACE	LLH	LONG LEG HORIZONTAL
BRG	BEARING	LLV	LONG LEG VERTICAL
BTWN	BETWEEN	LOC.	LOCATION
B.U.	BUILT UP	LSL	LAMINATED STRAND LUMBER
(C=)	CAMBER	LVL	LAMINATED VENEER LUMBER
CANT.	CANTILEVER	MAX.	MAXIMUM
CFS	COLD-FORMED STEEL	M.B.	MACHINE BOLT
C.J.	CONTROL/CONSTRUCTION JOINT	MECH.	MECHANICAL
℄	CENTERLINE	MEZZ.	MEZZANINE
CLR.	CLEARANCE	MFR	MANUFACTURER
CLT	CROSS-LAMINATED TIMBER	MIN.	MINIMUM
CMU	CONCRETE MASONRY UNIT	MISC.	MISCELLANEOUS
COL.	COLUMN	MTL	METAL
CONC.	CONCRETE	MT SCREW	MASS TIMBER SCREW
CONN.	CONNECTION	N.F.	NEAR FACE
CONST.	CONSTRUCTION	N.S.	NEAR SIDE
CONT.	CONTINUOUS	NTS	NOT TO SCALE
CONTR.	CONTRACTOR	O.C.	ON CENTER
COORD.	COORDINATE	OPN'G	OPENING
C.P.	COMPLETE PENETRATION	OPP.	OPPOSITE
CTR'D	CENTERED	P.A.F.	POWDER ACTUATED FASTENER
C.Y.	CUBIC YARD	PERP.	PERPENDICULAR
DBL.	DOUBLE	PL	PLATE
DCW	DEMAND CRITICAL WELD	P.P.	PARTIAL PENETRATION
D.F.	DOUGLAS FIR	P.P.T.	PRESERVATIVE PRESSURE TREATED
DIA. OR ø	DIAMETER	P.S.F.	POUNDS PER SQUARE FOOT
DIAG.	DIAGONAL	PSL	PARALLAM
DIM.	DIMENSION	P.T.	POST TENSION
D.L.	DEAD LOAD	PW.	PLYWOOD
DLT	DOWEL-LAMINATED TIMBER	REINF.	REINFORCEMENT
DWG	DRAWING	REQ'D	REQUIRED
DWL	DOWEL	SCHED.	SCHEDULE
(E)	EXISTING	SCL	STRUCTURAL COMPOSITE LUMBER
EA.	EACH	SHT'G	SHEATHING
E.F.	EACH FACE	SIM.	SIMILAR
EL.	ELEVATION	S.O.G.	SLAB ON GRADE
ELEV.	ELEVATOR	SQ.	SQUARE
ENGR	ENGINEER	STD	STANDARD
EQ.	EQUAL	STIFF.	STIFFENER
E.W.	EACH WAY	STL	STEEL
EXP.	EXPANSION	STRUCT.	STRUCTURAL
EXT.	EXTERIOR	T&B	TOP & BOTTOM
FDN	FOUNDATION	T&G	TONGUE AND GROOVE
F.F.	FAR FACE	THR'D	THREADED
FLR	FLOOR	T.O.F.	TOP OF FOOTING
F.O.M.	FACE OF MASONRY	T.O.S.	TOP OF STEEL
F.O.S.	FACE OF STUD	TRT'D	TREATED
FRMG	FRAMING	TYP.	TYPICAL
F.R.T.	FIRE RETARDANT TREATED	U.N.O.	UNLESS NOTED OTHERWISE
F.S.	FAR SIDE	U.T.	ULTRASONIC TESTED
FTG	FOOTING	VERT.	VERTICAL
GA.	GAGE/GAUGE	W	WITH
GALV.	GALVANIZED	W.P.	WORK POINT
GL.	GLULAM	WT	WEIGHT
GR.	GRADE	W.W.R.	WELDED WIRE REINFORCING
GWB	GYPSUM WALL BOARD		

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PROJECT

MULTICARE GOOD SAMARITAN

401 15th Ave SE,
Puyallup, WA 98372

MultiCare Good Samaritan Hospital

MULTICARE GOOD SAMARITAN

401 15th Ave SE,
Puyallup, WA 98372

KEY PLAN

ISSUE CHART

PERMIT CORRECTIONS 03.12.2025

MARK	ISSUE	DATE
A	PERMIT CORRECTIONS	03.12.2025

Job Number 162436.000

TITLE

GENERAL NOTES

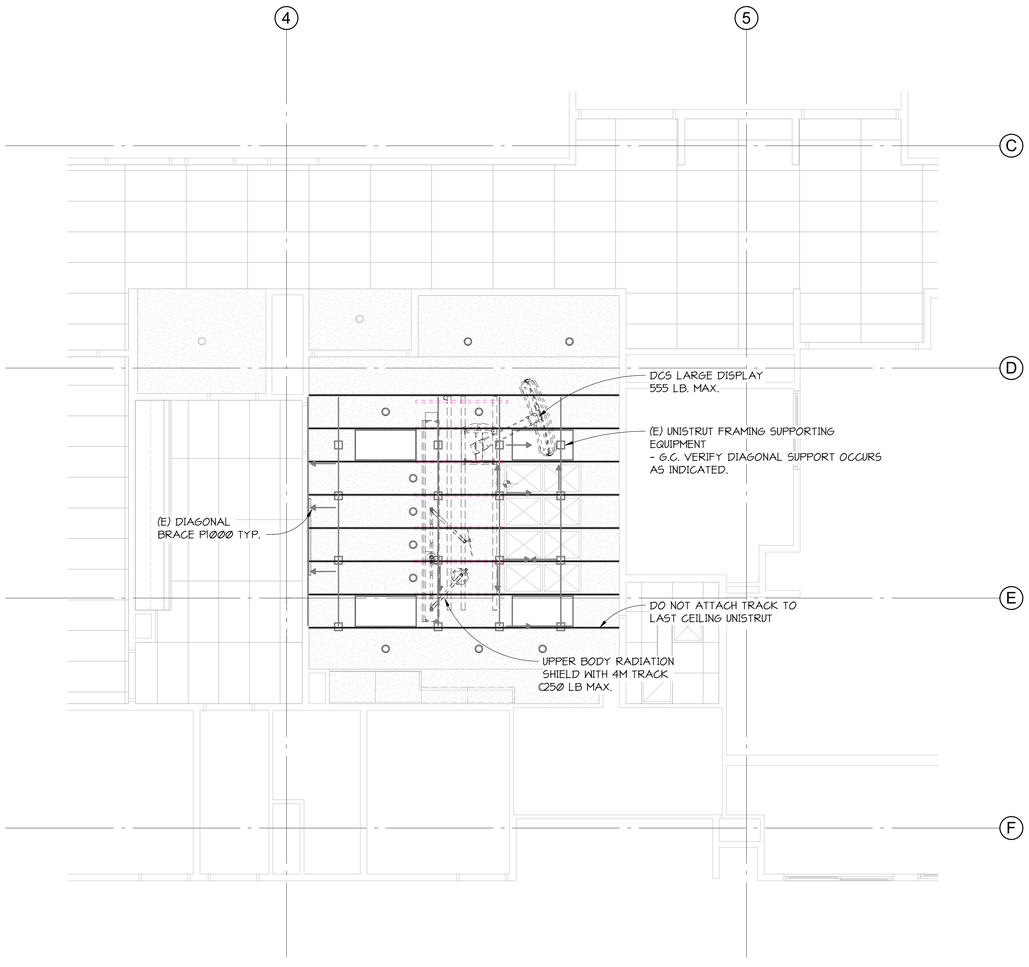
SHEET NUMBER

S00-01B

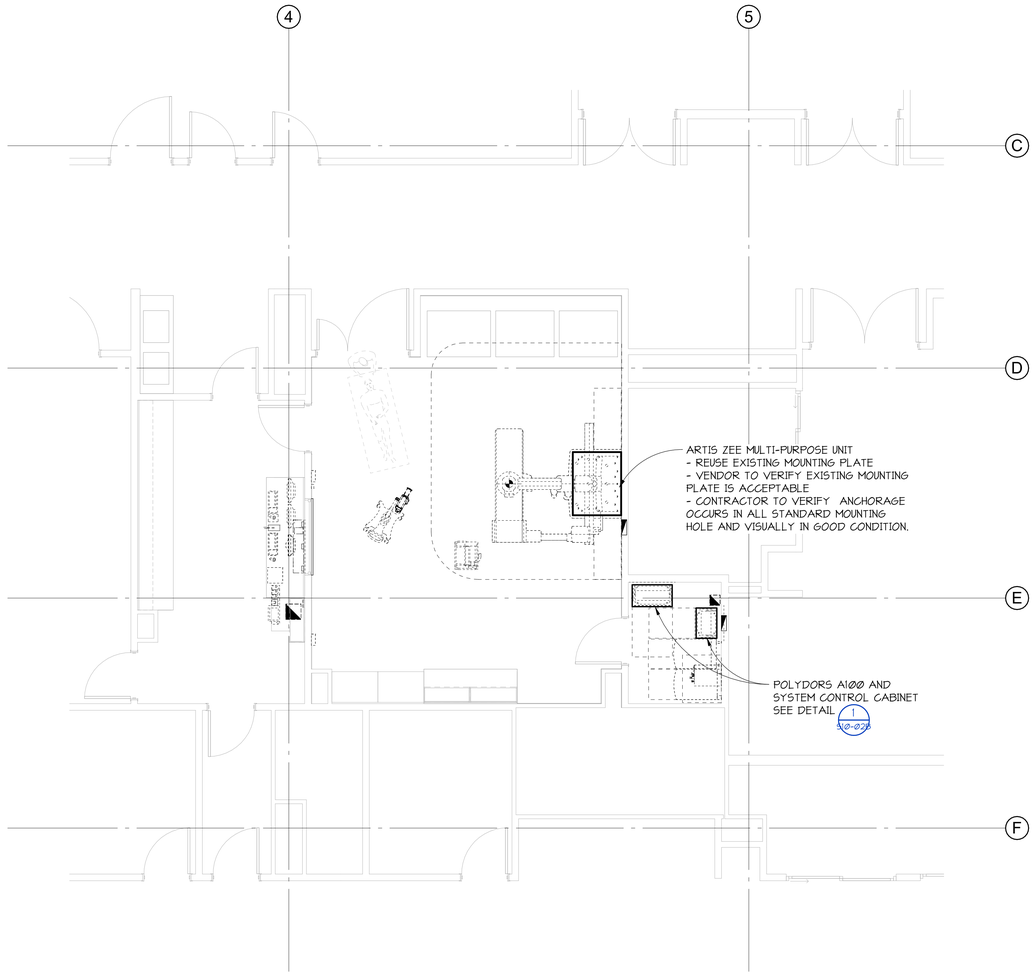
3/12/2025 11:51:56 AM C:_Revit Models\25078 MHS Good Sam IR R2023 (Central)_DanH-PCS.rvt

PRCTI20250145

NOTE:
1. ALL CRITICAL DIMENSIONS MUST BE COORDINATED WITH ARCHITECTS, INCLUDING FINAL SIZES AND LOCATIONS OF ALL EQUIPMENT.
2. VERIFY IF THE ANCHOR PLATE WILL BE PROVIDE BY EQUIPMENT VENDOR.
3. FOLLOW MANUFACTURER'S INSTALLATION REQUIREMENT FOR EQUIPMENT NOT LISTED IN THE PLAN.
4. THE EXISTING LAYOUT OF UNISTRUT PROVIDED BY G.C. DURING SITE INVESTIGATION.
5. EATON 9355 15KVA UPS, BATTERY AN TRANSFORMER CABINET LOCATIONS ARE TBD, USE DETAIL 2/S10-02B FOR BASE ANCHORAGE.



1 S10-01B ENLARGED RCP - LAB IR
1/4" = 1'-Ø"



2 S10-01B LEVEL 3 ENLARGED PLAN LAB IR
1/4" = 1'-Ø"

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90% CD SET 12.17.2024

MultiCare Good Samaritan Hospital

MULTICARE GOOD SAMARITAN

401 15th Ave SE,
Puyallup, WA 98372

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		162436.000

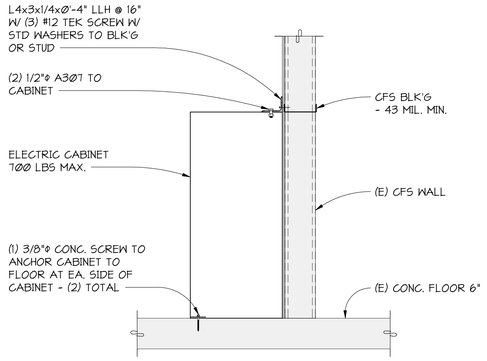
TITLE

IR STRUCTURAL PLANS

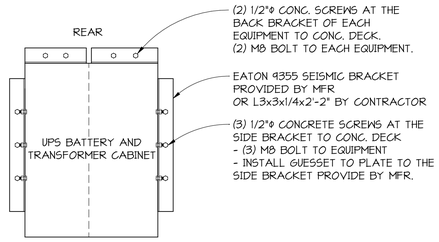
SHEET NUMBER

S10-01B

12/16/2024 4:09:46 PM C:_Revit Models\25078 MHS Good Sam IR R2023 (Central)_DEHeller.rvt



1 SECTION
S10-02B 1" = 1'-0"



ANCHOR PLAN

2 SECTION
S10-02B 1" = 1'-0"

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PERMIT CORRECTIONS 03.12.2025

MultiCare Good Samaritan Hospital

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401 15th Ave SE,
Puyallup, WA 98372

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162436.000

TITLE

STRUCTURAL DETAILS

SHEET NUMBER

S10-02B

3/12/2025 11:52:06 AM C:_Revit Models\25078 MHS Good Sam IR R2023 (Central)_DanH-PCS.rvt

MECHANICAL GENERAL NOTES

1. MECHANICAL WORK IS NOT LIMITED TO MECHANICAL DRAWINGS. THERE IS ADDITIONAL MECHANICAL WORK TO BE INCLUDED IN THE BID INDICATED ON OTHER DRAWINGS AND IN OTHER SPECIFICATION DIVISIONS. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL MECHANICAL WORK.

2. ALL PIPING SHOWN IS SCHEMATIC, CONTRACTOR SHALL PROVIDE ALL OFFSETS/ELBOWS AS REQ'D TO ALLOW ROUTING AROUND STRUCTURE, ELECTRICAL, & OTHER INTERFERENCES. WHERE PIPES ARE ROUTED EXPOSED, INSTALL PIPES AS HIGH AS POSSIBLE IN JOIST SPACE.

3. UNSIZED PLUMBING PIPING SHALL MATCH THE SIZE OF THE LARGEST ADJACENT CONNECTING PIPE SIZE SHOWN, WHERE THE ADJACENT PIPE IS NOT SHOWN (OR NOT CLEAR), THE PIPE SIZE SHALL BE BASED ON THE GPM FLOWING IN THE PIPE (USE FIXTURE UNITS AND CORRESPONDING GPM PER THE UPC FOR DOMESTIC WATER SYSTEMS, USE WASTE FIXTURE UNITS & UPC TABLES FOR WASTE/VENT SYSTEM), AND A VELOCITY NO GREATER THAN 4 FEET PER SECOND. USE UPC CURVES FOR GPM/VELOCITY FOR APPROPRIATE PIPING MATERIAL INVOLVED.

4. ALL DUCT PENETRATIONS THRU WALLS AND FLOORS SHALL BE PROVIDED WITH CLOSURE COLLARS (BOTH SIDES OF PENETRATION) AND BE TIGHTLY SEALED TO PREVENT THE TRANSMISSION OF NOISE.

5. CONTRACTOR SHALL CAREFULLY COORDINATE WORK W/ ALL OTHER TRADES, ESPECIALLY IN CEILING SPACES WHERE SPACE IS TIGHT. SHEET METAL CONTRACTOR SHALL HAVE PRIORITY OVER OTHER MECHANICAL TRADES IN CEILING SPACE WHERE CONFLICTS OCCUR.

6. ALL DUCTWORK SHOWN IS SCHEMATIC, CONTRACTOR SHALL PROVIDE ALL OFFSETS/ELBOWS AS REQ'D TO ALLOW ROUTING AROUND STRUCTURE, ELECTRICAL, & OTHER INTERFERENCES.

7. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 8 FEET, AND MAY ONLY BE USED WHERE SPECIFICALLY SHOWN ON THE PLANS.

8. PROVIDE MANUAL VOLUME DAMPERS IN ALL BRANCH DUCTS AND SPLITS IN MAIN DUCTS AND WHERE REQUIRED BY BALANCERS; ONLY SOME OF THE REQUIRED DAMPERS ARE SHOWN ON THE PLANS.

9. UNSIZED DUCTS SHALL MATCH THE SIZE OF THE LARGEST ADJACENT DUCT THAT IS SIZED. WHERE THE ADJACENT DUCT SIZE IS NOT SHOWN, PROVIDE THE FOLLOWING SIZED DUCTS (OR EQUIVALENT RECTANGULAR).

CFM	DUCTS TO AIR INLETS/OUTLETS	OTHER DUCT
0 - 100	6" Ø	6" Ø
101 - 150	8" Ø	8" Ø
151 - 250	10" Ø	8" Ø
251 - 400	12" Ø	10" Ø
401 - 500	14" Ø	12" Ø
501 - 700	16" Ø	12" Ø
701 - 900	18" Ø	14" Ø
901 - 1200	20" Ø	16" Ø
1201 - 1500	----	18" Ø
1501 - 2000	----	20" Ø
2001 - 2400	----	22" Ø
>2401	SIZE BASED ON 500 FPM	SIZE BASED ON 0.08"/100' P.D.

10. VERIFY LOCATIONS OF ITEMS INSTALLED IN CEILINGS WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO BEGINNING WORK. NOTIFY ARCHITECT/ENGINEER OF DISCREPANCIES.

11. SHIFT AIR INLETS/OUTLETS FROM LOCATIONS SHOWN AS REQ'D TO AVOID CONFLICTS W/STRUCTURE & OTHER ITEMS. SUCH SHIFTS SHALL MAINTAIN SYMMETRY OF AIR TERMINALS & SHALL HAVE PRIOR APPROVAL OF ARCHITECT/ENGINEER.

12. BALANCING NOTES: PROVIDE AIR BALANCING OF HVAC SYSTEM.

13. ALL DUCTWORK SHALL BE RUN CONCEALED WHERE POSSIBLE. ROUTE DUCTS AS HIGH AS POSSIBLE IN JOIST SPACE IN EXPOSED AREAS.

14. PROVIDE BUILDING ACCESS DOORS AS REQUIRED TO ACCESS MECHANICAL EQUIPMENT LOCATED ABOVE NON-REMOVABLE CEILINGS.

15. PROVIDE DUCT ACCESS DOORS AT ALL DAMPERS & BDD'S.

16. PROVIDE ALL CEILING DIFFUSERS INSTALLED IN A HARD LID CEILING WITH AN OPPOSED BLADE DAMPER OR A REMOTE BALANCING DAMPER WHERE A TYPICAL MANUAL VOLUME DAMPER WOULDN'T BE ACCESSIBLE.

17. WHERE RETURN GRILLE CFM'S ARE NOT INDICATED, BALANCER SHALL CALCULATE & SUBMIT FOR ENGINEER REVIEW. UNIT RA=SA-OA.

18. PROVIDE FLEX CONNECTORS IN DUCT CONNECTIONS TO ALL EQUIPMENT.

19. EXHAUST & TRANSFER GRILLES SHALL BE INSTALLED TO BE INLINE W/ EACH OTHER (UNO).

20. PROVIDE TRANSITIONS FROM DUCT SIZES INDICATED TO CONNECTION SIZES AT EQUIPMENT TO MATCH UNIT CONNECTIONS. WHERE THE CONNECTING DUCT IS LINED, THE TRANSITION SHALL BE LINED.

21. ALL EQUIPMENT, PIPING, & DUCT RUNS SHALL NOT COME INTO CONTACT WITH ADJACENT PIPING OR EQUIPMENT.

22. ALL ITEMS ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING.

23. FIRE SPRINKLER WORK: REMOVE (E) FIRE SPRINKLER HEADS AND BRANCH LINES IN THE AREA OF THE EQUIPMENT TO FACILITATE THE WORK. REPLACE BRANCH PIPE AND CONCEALED QUICK RESPONSE SPRINKLER HEAD.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	WASTE OR SOIL (W)
	VENT (V)
	COLD WATER (CW)
	HOT WATER (HW)
	HOT WATER CIRCULATING (HWC)
C	CONDENSATE LINE (C)
N2O	NITROUS OXIDE (N2O)
O2	OXYGEN (O2)
MA	MEDICAL AIR
WAGD	WASTE ANESTHETIC GAS DISPOSAL
MV	MEDICAL VACUUM
	CLEANOUT
	FLOOR DRAIN
	ISOLATION VALVE - SEE SPECIFICATIONS FOR TYPE
	BALANCING VALVE
	CHECK VALVE
	UNION
	RELIEF VALVE
AAV	AUTOMATIC AIR VENT
	STRAINER WITH BLOW-OFF VALVE
	CONCENTRIC REDUCER
	PRESSURE REDUCING VALVE
	THERMOMETER
	PIPE UP
	PIPE DOWN
	PIPE TEE IN LINE, BRANCH PIPE DOWN
20/12	DUCT (FIRST FIGURE, SIDE SHOWN)
R(D)	RISE (R) OR DROP (D) ARROW IN DIRECTION OF FLOW
	DUCT SECTION (SUPPLY)
	DUCT SECTION (EXHAUST OR RETURN)
Ø	ROUND DUCT
	VOLUME DAMPER (MANUAL)
M	MOTORIZED DAMPER
	FIRE DAMPER
	FLEXIBLE CONNECTION
	FLEXIBLE DUCT
	ELBOW WITH TURNING VANES
	DUCT UP (RECTANGULAR)
	DUCT UP (RECTANGULAR)
	DUCT DOWN (RECTANGULAR)
	DUCT DOWN (RECTANGULAR)
	DUCT UP (ROUND)
	DUCT DOWN (ROUND)
SIZE,SYMBOL / CFM	CEILING OUTLET
SIZE,SYMBOL / CFM	CEILING INLET
LSD-1"-2-6 / CFM	LINEAR SLOT DIFFUSER, FIRST NO. IS SLOT WIDTH, SECOND NO. IS NO. OF SLOTS, THIRD NO. IS LENGTH (IN FEET)
LSR-1"-2-6 / CFM	LINEAR SLOT RETURN, FIRST NO. IS SLOT WIDTH, SECOND NO. IS NO. OF SLOTS, THIRD NO. IS LENGTH (IN FEET)
SIZE,SYMBOL / CFM	WALL OUTLET (OR INLET)
T T G T A	THERMOSTAT G= WITH GUARD A= AVERAGED WITH OTHER T
2 / M3.1	DETAIL IDENTIFICATION NUMBER SHEET ON WHICH DETAIL IS SHOWN
A / M3.1	SECTION IDENTIFICATION LETTER SHEET ON WHICH SECTION IS SHOWN

ABBREV.	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
AUTO	AUTOMATIC
BDD	BACKDRAFT DAMPER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR
BLDG	BUILDING
CAP	CAPACITY
CD	CEILING DIFFUSER
CEG	CEILING EXHAUST GRILLE
CLG	CEILING
CO	CLEANOUT
COP	COEFFICIENT OF PERFORMANCE
COMP	COMPRESSOR
CONN	CONNECTION
CONT	CONTINUE, CONTINUATION
CTG	CEILING TRANSFER GRILLE
CFM	CUBIC FEET PER MINUTE
CW	COLD WATER
DEG F, F	DEGREE FAHRENHEIT
DFU	DRAINAGE FIXTURE UNIT
DIA, Ø	DIAMETER
DOAS	DEDICATED OUTSIDE AIR SYSTEM
DN	DOWN
DWG	DRAWING
DB	DRY BULB
DL	DOOR LOUVER
EA	EACH
EFF	EFFICIENCY
EC	ELECTRONICALLY COMMUTATED
ECM	ELECTRONICALLY COMMUTATED MOTOR
ELEC	ELECTRICAL, ELECTRIC
EER	ENERGY EFFICIENCY RATIO
EOL	END OF LINING
EXH	EXHAUST
ESP	EXTERNAL STATIC PRESSURE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FLEX	FLEXIBLE
FL	FLOOR
FCO	FLOOR CLEAN OUT
FLA	FULL LOAD AMPS
GAL	GALLON
GALV.	GALVANIZED
HP	HORSE POWER
HW	HOT WATER
HWC	HOT WATER CIRCULATION
INTEGR.	INTEGRAL
IN	INCH
I.E.	INVERT ELEVATION
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
MAX	MAXIMUM
MFR	MANUFACTURER
MBH	THOUSAND BTUH
MC	VRF MASTER CONTROLLER
MCA	MINIMUM CIRCUIT AMPS
MECH	MECHANICAL
MIN	MINIMUM
MUA	MAKE UP AIR
NO.	NUMBER
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
OA	OUTSIDE AIR
PH	PHASE
P.D.I.	PLUMBING AND DRAINAGE INST.
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PD	PRESSURE DROP
PW	PUMPED WASTE
R	RETURN
RL	REFRIGERANT LIQUID
RG	REFRIGERANT GAS
RLA	RATED LOAD AMPS
REF	REFERENCE
REQ'D	REQUIRED
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
RM	ROOM
SA	SUPPLY AIR
SCO	SURFACE CLEANOUT
S.O.	SCREENED OPENING
SS	STAINLESS STEEL
TEMP	TEMPERATURE
TD	TRANSFER DUCT
TG	TRANSFER GRILLE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VTR	VENT THROUGH ROOF
VERT	VERTICAL
V	VOLTS, VOLTAGE, VENT
WCO	WALL CLEAN OUT
W	WASTE
WA	WATT
WB	WET BULB
WEG	WALL EXHAUST GRILLE
WL	WALL LOUVER
W/	WITH
WSEC	WASHINGTON STATE ENERGY CODE
WSFU	WATER SUPPLY FIXTURE UNIT
WTG	WALL TRANSFER GRILLE

MECHANICAL DRAWING INDEX

M00.1B MECHANICAL GENERAL NOTES & LEGEND
M00.2B MECHANICAL SCHEDULES
M03.1B LAB IR LEVEL 3 - ENLARGED FLOOR PLAN - PLUMBING
M04.1B LAB IR LEVEL 3 - ENLARGED FLOOR PLANS - HVAC

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MICHAEL LEO TACHES, STATE OF WASHINGTON, 48315, REGISTERED PROFESSIONAL ENGINEER
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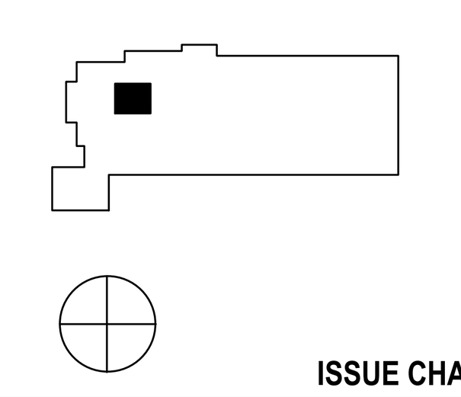
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

LAB IR LEVEL 3
MECHANICAL GENERAL
NOTES & LEGEND

SHEET NUMBER

M00.1B

MAINTENANCE ACCESS NOTES

1. ACCESS AREAS ARE EXTREMELY TIGHT AND REQUIRE SPECIAL COORDINATION BETWEEN TRADES AND SPECIAL INSTALLATION EFFORTS TO PROVIDE MAINTENANCE ACCESS TO ALL ITEMS REQUIRING MAINTENANCE OR SERVICE. SUCH ITEMS INCLUDE ALL EQUIPMENT, VALVES, DAMPERS, CONTROL DEVICES, FILTERS, VFD'S, AND SIMILAR ITEMS.
2. FULL MAINTENANCE ACCESS IS A PROJECT REQUIREMENT; POOR MAINTENANCE ACCESS WILL NOT BE ACCEPTED.
3. CONTRACTOR SHALL APPLY EXTRA ATTENTION TO THE LOCATION OF PIPE, DUCT, AND CONDUIT ROUTINGS AND IN COORDINATING ALL WORK SO THAT MAINTENANCE ACCESS AND A MAINTENANCE PATHWAY ARE MAINTAINED. CONTRACTOR SHALL NOTE THAT IN ALL ACCESS AREAS ADDED ELBOWS, FITTINGS, AND TRANSITIONS ARE REQUIRED THROUGHOUT TO MAINTAIN SUCH ACCESS. DUCT GAUGE AND ASSOCIATED REINFORCEMENT METHODS SHALL BE SELECTED SO THAT REINFORCEMENT ANGLES ARE NOT USED WHICH WOULD REDUCE OR INTRUDE INTO MAINTENANCE ACCESS AREAS. SYSTEM SUPPORTS SHALL BE OF THE TYPE, LOCATION, AND ARRANGEMENT SO AS NOT TO REDUCE OR INTRUDE INTO MAINTENANCE ACCESS AREAS. VALVING SHALL BE RACKED VERTICALLY TIGHT TO UNITS AND CLEAR OF ACCESS WALKWAY PATH.
4. ALL DUCTWORK, PIPING AND RELATED ITEMS INSTALLED SO AS TO PRESENT A SAFETY HAZARD (I.E. ITEMS INSTALLED AT/NEAR HEAD HEIGHT, ITEMS PROJECTING INTO MAINTENANCE ACCESS PATHS, ETC.) SHALL BE COVERED (AT THE HAZARDOUS AREA) WITH 3/4" THICK ELASTOMERIC INSULATION (OR USE EQUIVALENT FACTORY FABRICATED PROTECTIVE COVERS) AND REFLECTIVE STRIPED RED/WHITE SELF-STICKING SAFETY TAPE. ALL SHARP CORNERS ON SUPPORTS AND OTHER INSTALLED ITEMS SHALL BE GROUND SMOOTH.

MECHANICAL SPECIFICATIONS

1. GENERAL: PROVIDE PRODUCT SUBMITTALS TO THE ENGINEER FOR REVIEW.
2. INSULATION: PROVIDE MIN R-3.3 INSULATION FOR SUPPLY DUCTWORK WITHIN THE BUILDING.
3. VALVES: SHALL BE BALL TYPE.
4. DUCTWORK AND HVAC: EXCEPT FOR FLEX RUN-OUTS TO DIFFUSERS, ALL DUCTWORK SHALL BE RIGID GALVANIZED. INSTALLATION SHALL COMPLY WITH SMACNA REQUIREMENTS.
5. BALANCING: ALL NEW HVAC SYSTEMS AND EXISTING HVAC SYSTEMS THAT ARE MODIFIED SHALL BE AIR BALANCED.
6. CONTROLS: CONNECT THE NEW HVAC EQUIPMENT TO THE EXISTING BUILDING CONTROL SYSTEM.
7. NON-SPECIFIED ITEMS: NOT ALL ITEMS ARE SPECIFIED, BUT SHALL BE PROVIDED TO PROVIDE FULLY OPERATIONAL SYSTEMS. ALL NON-SPECIFIED ITEMS SHALL BE SUITABLE FOR HEALTHCARE AND COMMERCIAL INSTALLATIONS.
8. PROVIDE PIPING IDENTIFICATION FOR ALL MECHANICAL PIPING, W/ FLOW ARROW BANDS ON EACH END OF STICKER.
9. PROVIDE EQUIPMENT IDENTIFICATION (MIN 2" HIGH) FOR ALL MECHANICAL EQUIPMENT.
10. PROVIDE VALVE TAGGING FOR ALL MECHANICAL VALVES.
11. PROVIDE RED-LINED AS BUILTS OF THE MECHANICAL WORK.
12. PROVIDE OWNER TRAINING FOR ALL MECHANICAL SYSTEMS.
13. ALL OTHER WORK SHALL BE IN COMPLIANCE WITH EQUIPMENT SCHEDULES AND SHALL BE PER THE MULTICARE MASTER SPECIFICATIONS FOR USE ON ALL HOSPITAL PROJECTS DATED 31 MARCH 2014. (OR LATER CURRENT VERSION.)

MECHANICAL GENERAL DEMOLITION NOTES

1. DEMOLITION DRAWINGS ARE INTENDED TO ONLY GIVE A GENERAL REPRESENTATION OF THE DEMOLITION INVOLVED, AND DO NOT CONSTITUTE A FULL LISTING OF ALL ITEMS REQUIRING REMOVAL. NOT ALL ITEMS TO BE DEMO'D ARE SHOWN. CONTRACTOR IS RESPONSIBLE TO REVIEW EXISTING CONDITIONS, EXISTING DRAWINGS, AND MECHANICAL GENERAL DEMOLITION NOTES.
2. A PRE-BID WALK-THRU IS A MANDATORY REQUIREMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW SITE CONDITIONS AND TO IDENTIFY ALL DEMOLITION WORK, AND INCLUDE IN HIS BID ALL COSTS FOR DEMOLITION & DISPOSAL. NOT ALL PLUMBING FIXTURES & HVAC ITEMS TO BE DEMO'D ARE SHOWN; SEE GENERAL NOTES FOR REQUIREMENTS.
3. EXISTING DUCTS, EQUIPMENT, PIPING, AIR INLETS/OUTLETS, PLUMBING FIXTURES SHOWN DASHED REPRESENT MAJOR MECHANICAL ITEMS TO BE REMOVED. SEE GENERAL NOTES, DRAWING NOTES & KEYED NOTES WHICH COVER ALL OTHER MISC. MECHANICAL ITEMS TO BE REMOVED.
4. ALL EXISTING ITEMS NOT BEING REUSED SHALL BE REMOVED. THIS INCLUDES SUCH ITEMS AS THERMOSTATS, CONTROL DEVICES, CONTROL WIRING, PNEUMATIC TUBING, DUCTS, FANS, PIPING, GRILLES, SUPPORTS, VALVES, CURBS, AND RELATED ACCESSORIES.
5. ABANDONED ITEMS, ANCHORS, INSERTS, PIPE STUBS, AND OTHER PROJECTIONS NOT BEING CONCEALED BY NEW CONSTRUCTION SHALL BE REMOVED TO 1" BELOW THE ADJACENT FINISHED SURFACE, AND THE DISTURBED AREA PATCHED.
6. PATCH ALL WALL/FLOOR/CEILING OPENINGS LEFT BY REMOVAL OF EXISTING ITEMS. PATCH SO AS TO MATCH FINISH OF ADJACENT UNDISTURBED AREA.
7. REFERENCE ARCHITECTURAL DRAWINGS FOR WHERE CEILING/WALL AND OTHER GENERAL DEMOLITION WORK IS BEING DONE.
8. SEE MECHANICAL FLOOR PLANS FOR HVAC DUCTS THAT ARE BEING REUSED.
9. WHERE EXIST. DUCTS ARE REUSED, AND EXISTING BRANCH DUCTS ARE REMOVED, PROVIDE SHEET METAL PATCH WITH INSULATION AT UNUSED CONNECTION (INSULATION REQUIRED ON SUPPLY AIR DUCTS ONLY).
10. PROVIDE TEMPORARY CAP-OFF OF ALL EXISTING SYSTEMS TO ALLOW CONTINUED USE OF ALL SYSTEMS UNTIL THE FINAL SYSTEM COMPONENTS ARE INSTALLED AND CONNECTED (INCLUDE CW, HW, HWC, FIRE SPRINKLER, WASTE, VENT, CONTROLS, DUCTWORK, ETC.).
11. HOLD ALL REMOVED ITEMS FOR OWNERS REVIEW. ITEMS SELECTED BY OWNER FOR SALVAGE SHALL BE MOVED BY THE CONTRACTOR TO THE OWNERS STORAGE ROOM (VERIFY EXACT LOCATION WITH OWNER). ITEMS NOT SELECTED BY OWNER FOR SALVAGE SHALL BE DISPOSED OF OFF SITE BY CONTRACTOR.
12. ALL EXISTING ITEMS ASSOCIATED WITH DEMO'D ITEMS SHALL BE REMOVED. THIS INCLUDES SUCH ITEMS AS HANGERS, THERMOSTATS, DAMPERS, CURBS, SUPPORTS, CONTROL WIRING/CONDUIT, UNIONS, VALVES, PIPING, DUCTS, AND SIMILAR ACCESSORIES.
13. ROUTING SHOWN OF EXISTING ITEMS IS APPROXIMATE, CONTRACTOR SHALL FIELD VERIFY LOCATIONS, CONTENTS, AND FLOW DIRECTION OF ALL PIPING & DUCTS. LABELING SHOWN ON PLANS HAS NOT BEEN VERIFIED.
14. PROVIDE CAP-OFF OF ALL EXISTING UTILITIES THAT ARE CUT OR SERVED DEMO'D ITEMS. SYSTEMS TO BE CAPPED OFF INCLUDE HW, HWC, CW, WASTE, VENT, SA DUCTS, RA DUCTS, AND EXHAUST DUCTS. ALL CAP-OFFS SHALL OCCUR IN A CONCEALED LOCATION.
15. SEE PLUMBING AND HVAC FLOOR PLANS FOR RECONNECTION OF NEW PIPING AND DUCTWORK.
16. SEE MECHANICAL PHASING NOTES ON THIS SHEET.

ROOM PRESSURE RELATIONSHIP

ROOM NO	ROOM NAME	FUNCTION	REQ'D PRESSURE RELATIONSHIP	REQ'D ACH	ACT-AC ACH	SA, CFM	EXH, CFM	DIFFERENTIAL, CFM
M337	INTERVENTIONAL RADIOCOLOGY	RADIOLOGY X-RAY (SURG)	POSITIVE	15	16.4	1400	1100	300
M337.1	EQUIPMENT ROOM	RADIOLOGY X-RAY (DIAGN)	NR	6	43.5	200	300	-100

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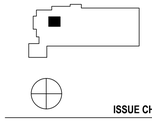


ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

LAB IR LEVEL 3 MECHANICAL SCHEDULES

SHEET NUMBER

M00.2B

1/17/2025 1:55 PM

PRCTI20250145

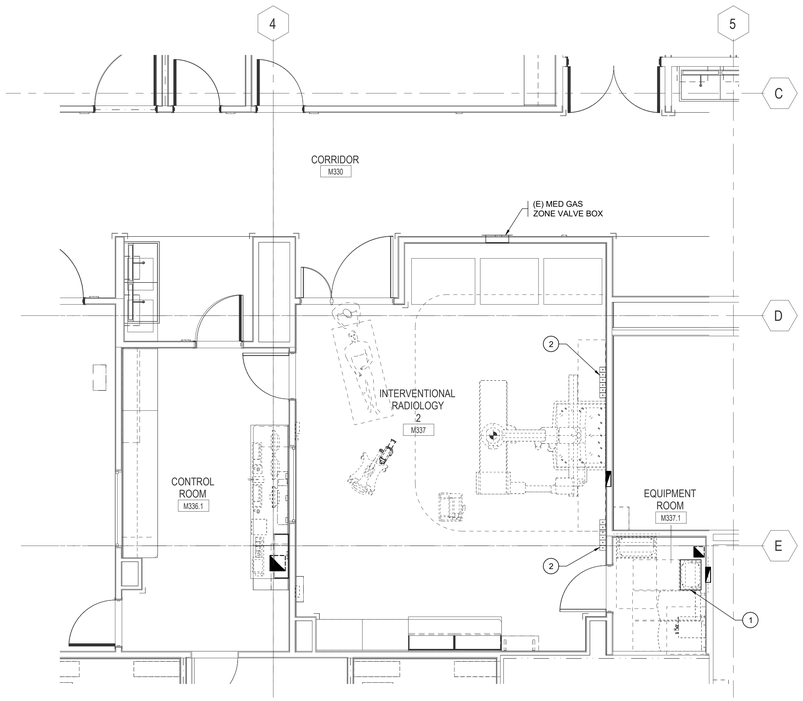
GENERAL NOTES:

1. SEE SHEET M00.1B FOR MECHANICAL GENERAL NOTES.
2. REMOVE AND RE-INSTALL EXISTING FIRE SPRINKLER HEADS OVER EQUIPMENT TO ALLOW PROJECT WORK.

KEYED NOTES:

(1) PROVIDE STAINLESS DRAINPAN SIZED TO ACCOMMODATE COOLING UNIT.

(2) REMOVE & RE-INSTALL (E) MED GAS OUTLETS TO ALLOW WALL FINISH WORK. PROVIDE FLOW TEST AND DOCUMENTATION BY 3RD PARTY MED GAS INSPECTOR. OUTLETS INCLUDE N2O, O2, MA, WAGD, MV.



1 LEVEL 03 - ENLARGED PLAN - LAB IR - PLUMBING

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

0' 2' 4' 8'

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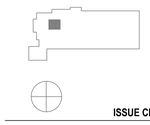

ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

LAB IR LEVEL 3 ENLARGED FLOOR PLAN - PLUMBING

SHEET NUMBER

M03.1B

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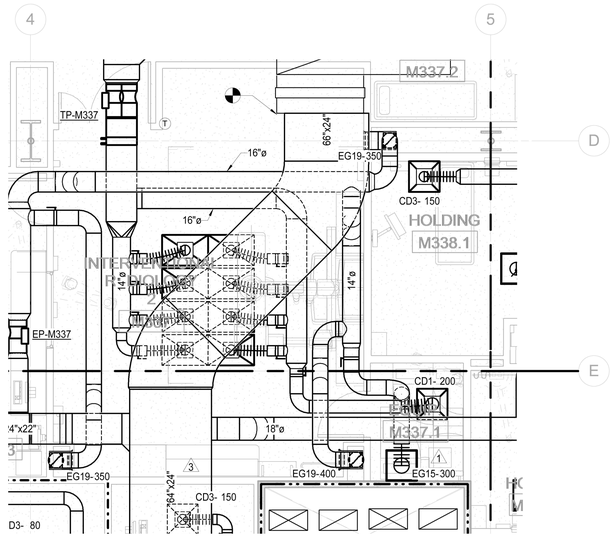
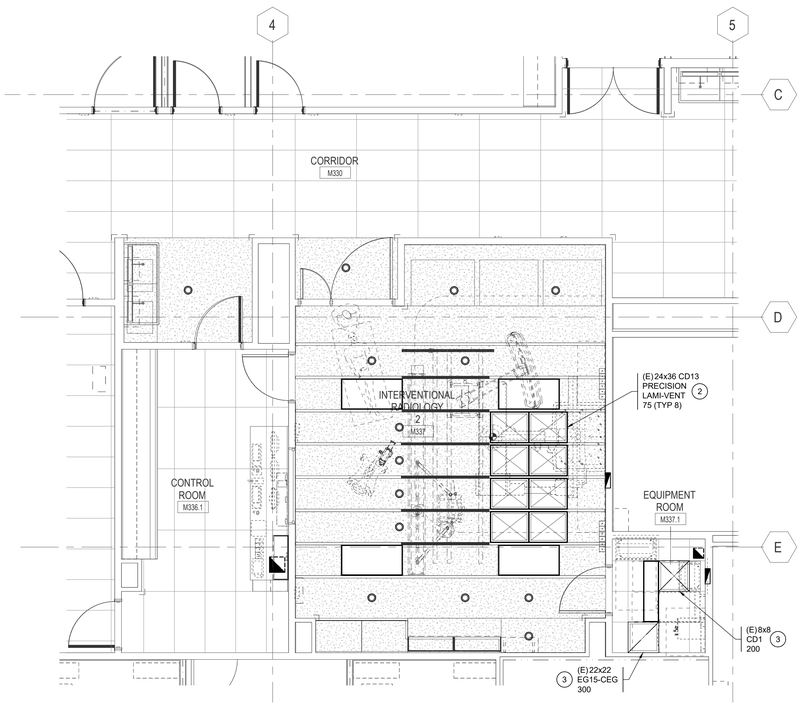


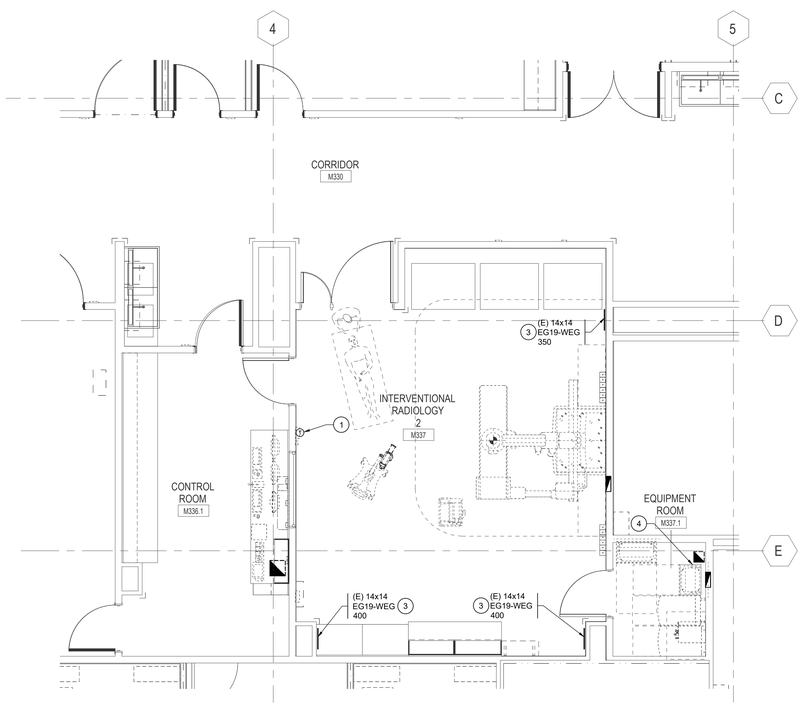
3 LEVEL 03 - LAB IR ROOM EXISTING DUCTWORK PLAN

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



2 LEVEL 03 - LAB IR ROOM CEILING PLAN - HVAC

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



1 LEVEL 03 - ENLARGED PLAN - LAB IR - HVAC

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

GENERAL NOTES:

1. SEE SHEET M00.1B FOR MECHANICAL GENERAL NOTES.
2. PER SHEET G01-01B, M336.1/M337/M337.1 SHALL BE ENCLOSED BY 1-HR FIRE PARTITION. PER 2021 IMC 607.5.3, EXCEPTION 4, FIRE DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS.

KEYED NOTES:

1. REMOVE & RE-INSTALL HVAC CONTROL DEVICES TO ALLOW WALL FINISH WORK.
2. REMOVE, CLEAN & RE-INSTALL HVAC GRILLES OVER EQUIPMENT TO ALLOW PROJECT WORK. REPLACE (E) FLEX RUN-OUTS WITH NEW.
3. PROVIDE AIR BALANCING OF GRILLES AND DIFFUSERS IN THE SPACES. SPACE IS SERVED BY EXISTING TERMINAL UNITS TP-M337 AND EP-M337 BOTH PHOENIX AIR VALVES.
4. PROVIDE LIQUID LEVEL SWITCH TO INDICATE HIGH WATER LEVEL IN EQUIPMENT DRAIN PAN. CONNECT TO HOSPITAL BUILDING CONTROL SYSTEM TO GENERATE AN ALARM.

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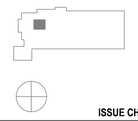


ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

LAB IR LEVEL 3 ENLARGED FLOOR PLAN - HVAC

SHEET NUMBER

M04.1B

1/17/2025 1:55 PM

PRCTI20250145

ABBREVIATIONS

(SOME ABBREVIATIONS MAY NOT BE USED ON DRAWINGS)

ABBREV	DESCRIPTION
A or AMP	AMPERES
AIC	AMPERE INTERRUPTING CAPACITY
ARCH	ARCHITECTURAL
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CT	CURRENT TRANSFORMER
CU	COPPER
DIA	DIAMETER
DIV	DIVISION
DRC	DIGITAL ROOM CONTROLLER
DWG	DRAWING
ELEC	ELECTRIC
EMT	ELECTRICAL METALLIC TUBING
ETR	EXISTING TO REMAIN
EXST or (E)	EXISTING
FA	FIRE ALARM
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE CONDUIT
GND	GROUND
HP	HORSEPOWER
HZ	HERTZ
J-BOX	JUNCTION BOX
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LTG	LIGHTING
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MCM or KCM	THOUSAND CIRCULAR MILS
MDP	MAIN DISTRIBUTION PANELBOARD
MDS	MAIN DISTRIBUTION SWITCHBOARD
MIN	MINIMUM
MOP or MOCP	MAXIMUM OVERCURRENT PROTECTION
N or NEUT	NEUTRAL
NTS	NOT TO SCALE
Ø or PH	PHASE
PNL	PANEL
RM	ROOM
SP	SINGLE POLE
STD	STANDARD
SW	SWITCH
SWBD	SWITCHBOARD
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
V	VOLTS
VA	VOLT AMPERES
W	WATTS
W/	WITH
WP	WEATHER PROOF

B3 / PNL / 2 C 2 / 2.3 D.6 A (2EN)

- TRADITIONAL PANEL NAME
- SEQUENCE NUMBER
  - A = 1ST PANEL ON FLOOR
  - B = 2ND PANEL ON FLOOR, ETC.
- GRID (NORTH - SOUTH DIRECTION)
  - A, B, C, ETC.
- GRID (WEST - EAST DIRECTION)
  - 1, 2, 3, ETC.
- FLOOR:
  - B = BASEMENT
  - A = GROUND LEVEL
  - 1 = FIRST FLOOR
  - 2 = 2ND FLOOR
  - 3 = 3RD FLOOR
  - 4 = 4TH FLOOR
  - P = PENTHOUSE
- POWER BRANCH:
  - C = CRITICAL
  - E = ESSENTIAL EQUIPMENT
  - G = GENERATOR EQUIPMENT
  - L = LIFE SAFETY
  - N = NORMAL
- VOLTAGE:
  - 12 = 12.47kV, 3Ø
  - 4 = 480Y/277V, 3Ø, 4W
  - 2 = 208Y/120V, 3Ø, 4W
  - 1 = 240/120V, 1Ø, 3W
- EQUIPMENT:
  - ATS = AUTOMATIC TRANSFER SWITCH
  - DSW = DISCONNECT SWITCH
  - DEV = DEVICE
  - ECB = ENCLOSED CIRCUIT BREAKER
  - HH = HANDHOLE
  - HVS = HIGH VOLTAGE SWITCH
  - IPP = ISOLATION POWER PANEL
  - JBX = JUNCTION BOX
  - LCP = LIGHTING CONTROL PANEL
  - MCC = MOTOR CONTROL CENTER
  - MBP = MAINTENANCE & BY-PASS
  - PNL = PANELBOARD
  - SGR = SWITCHGEAR
  - SBD = SWITCHBOARD
  - SWC = SWITCH CABINET (HV)
  - UMH = UTILITY MANHOLE
  - UPS = UNINTERRUPTIBLE POWER SUPPLY
  - UTS = UTILITY TRANSFORMER SWITCH
  - XMR = TRANSFORMER
- SITE GRID/QUADRANT

2 EQUIPMENT NOMENCLATURE KEY

ELECTRICAL LEGEND

(SOME SYMBOLS MAY NOT BE USED ON DRAWINGS)

SYMBOL	DESCRIPTION
	SITE / EXTERIOR
	POLE
	TRANSFORMER
	PAD MOUNTED TRANSFORMER
	PAD MOUNTED SWITCH
E	HANDHOLE OR VAULT P PRIMARY ELECTRIC (ABOVE 600V) E SECONDARY ELECTRIC (BELOW 600V) C COMMUNICATIONS
	UNDERGROUND ELECTRIC UTILITY (SECONDARY ELECTRIC UNLESS OTHERWISE INDICATED)
E	SECONDARY ELECTRIC (BELOW 600V)
P	PRIMARY ELECTRIC (ABOVE 600V)
C	COMMUNICATIONS
	DISTRIBUTION
	PANELBOARD - SURFACE
	PANELBOARD - EXISTING (SURFACE PANEL SHOWN)
	PANELBOARD - FLUSH
	SWITCHBOARD OR MCC (DRAWN TO SCALE)
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER OR OTHER MOTOR CONTROL DEVICE AS SCHEDULED
	DRY TYPE TRANSFORMER
	CROSS LINES INDICATE NUMBER OF CONDUCTORS IF MORE THAN TWO WIRE CIRCUIT. LONG DENOTES NEUTRAL. DOT DENOTES GROUND. DOTTED HASH MARK INDICATES ISOLATED GROUND. CONDUIT IS 1/2" AND CONDUCTOR IS #12 AWG UNLESS OTHERWISE NOTED OR SCHEDULED. ONLY BRANCH CIRCUIT HOMERUNS ARE INDICATED WITH CONDUCTOR COUNT. SEE GENERAL ELECTRICAL NOTES.
	WIRING CONCEALED IN CEILING OR WALL
	WIRING CONCEALED UNDERGROUND OR BELOW FLOOR
	WIRING EXPOSED
	WIRING HOMERUN
	CONDUIT UP, DOWN
	FLEXIBLE WIRING CONNECTION
	LOW VOLTAGE
	CAT 6 OUTLET WITH 1.25"C TO ACCESSIBLE SPACE AND (2) CAT 6A CABLES TO DISTRIBUTION FRAME
W	W INDICATES WALL PHONE (+ 48 INCHES)
	CLOSED CIRCUIT TELEVISION CAMERA
	ADA PUSHBUTTON DOOR OPENER
	CARD READER
S	SPEAKER - CEILING

SYMBOL	DESCRIPTION
	POWER
	SINGLE RECEPTACLE (NEMA 5-20R) (SUBSCRIPT - SEE DUPLEX RECEPTACLE)
	DUPLEX RECEPTACLE (NEMA 5-20R)
*	ASTERISK INDICATES COUNTER HEIGHT OUTLET (DUPLEX RECEPTACLE SHOWN)
	FOURPLEX RECEPTACLE (NEMA 5-20R)
	GFCI DUPLEX RECEPTACLE (NEMA 5-20R)
	TAMPER RESISTANT (DUPLEX RECEPTACLE SHOWN)
	SPLIT WIRED DUPLEX RECEPTACLE (NEMA 5-20R)
	SPLIT WIRED RECEPTACLE, 1/2 OF RECEPTACLE IS CONTROLLED BY OCCUPANCY SENSOR OR TIME SWITCH
	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT
	SPECIAL PURPOSE OUTLET (AS NOTED)
	JUNCTION BOX - CEILING OR EXPOSED
	BLANKED OUTLET - CEILING
	EQUIPMENT CONNECTION SUBSCRIPT: WH WATER HEATER HD HAND DRYER WD WASTE DISPOSER
	CALLOUTS
200-4-G	FEEDER CALLOUT X-Y-Z. SEE SCHEDULE.
200/150-3P	DEVICE SIZE / FUSE OR TRIP RATING - No. OF POLES
X1	FIXTURE SYMBOL CALLOUT
#	BUBBLE NOTE TAG SYMBOL: # - IDENTIFYING NUMBER
#	CONDUIT OR FEEDER SYMBOL: (SEE RACEWAY SCHEDULE) # - IDENTIFYING NUMBER
#	DRAWING REVISION SYMBOL: # - IDENTIFYING NUMBER
	SCHEDULED EQUIPMENT CONNECTION (INCLUDE ALL WIRING, DISCONNECTING MEANS, CONTROL AND OTHER REQUIREMENTS SCHEDULED)
# / B	DETAIL SYMBOL: (AS INDICATED ON DRAWINGS) # - IDENTIFYING NUMBER B - SHEET WHERE DETAIL SHOWN
# / B	DETAIL SYMBOL: (AS INDICATED ON DRAWINGS) # - IDENTIFYING NUMBER B - SHEET WHERE DETAIL SHOWN
	REMODEL
	HEAVY LINE WEIGHT = NEW WORK (2 X 4 LAY-IN SHOWN)
	STANDARD LINE WEIGHT = EXISTING TO REMAIN (RECEPTACLE SHOWN)
	CROSS HATCH LINE WORK = ELECTRICAL DEMOLITION (RECEPTACLE SHOWN)
	BROKEN LINE WORK = ELECTRICAL DEMOLITION (RECEPTACLE SHOWN)
(N)	STANDARD LINE WEIGHT WITH (N) = EXISTING TO BE REPLACED OR MODIFIED (SEE REMODEL NOTES) (RECEPTACLE SHOWN)

SYMBOL	DESCRIPTION
	NURSE CALL
	NURSE CALL PATIENT STATION
	NURSE CALL DOME INDICATOR LIGHT
	INTERCOM CALL SWITCH
	LIGHTING
	LUMINAIRE (TO SCALE ON DRAWINGS)
	LUMINAIRE WITH EMERGENCY LIGHTING UNIT
	EXIT SIGN - HATCH DENOTES DIRECTION OF FACE
OS	OCCUPANCY SENSOR - CEILING MOUNT
$	DIGITAL SWITCH STATION
	FIRE ALARM
	SMOKE DETECTOR
Fc	HORNSTROBE: 'C' INDICATES CEILING MOUNT

B3/PNL/2E2/13.0D.3 (2WZD) — NOTE 1, NOTE 2

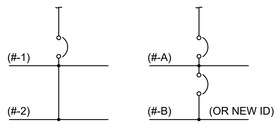
FEED FROM B3/PNL/2E2/13.1D.3 (1WZD) — NOTE 3

VOLTAGE: 208Y/120V, 3ϕ, 4W — NOTE 3

NOTES:

1. ENGRAVED THREE-LAYER LAMINATED PLASTIC WITH WHITE LETTERS.
   BLACK BACKGROUND FOR NORMAL POWER.
   ORANGE BACKGROUND FOR CRITICAL POWER.
   RED BACKGROUND FOR LIFE SAFETY POWER.
   BLUE BACKGROUND FOR ESSENTIAL EQUIPMENT POWER.
2. 1/2-INCH HIGH LETTERS.
3. 3/16-INCH HIGH LETTERS.

1 TYPICAL PANELBOARD NAMEPLATE
SCALE: 1"=1"



TYPICAL PANEL NUMBERING SEQUENCE

GENERAL ELECTRICAL NOTES:

1. BRANCH CIRCUIT NOTES:
   A. VERIFY BRANCH CIRCUIT WIRE COUNT BEFORE PULLING CONDUCTORS. PROVIDE REQUIRED CONDUCTORS TO EACH OUTLET AND DEVICE FOR PHASE, NEUTRAL AND EQUIPMENT GROUND BASED ON CIRCUIT DESIGNATIONS SHOWN AND AS OTHERWISE INDICATED ON PLANS OR NOTE BELOW.
   B. PROVIDE MULTI-POLE BREAKERS FOR MULTIWIRE BRANCH CIRCUITS.
2. LIGHTING, POWER, AND MECHANICAL EQUIPMENT CONDUCTORS SHALL NOT BE COMBINED IN THE SAME RACEWAY UNLESS NOTED OTHERWISE.
3. MODIFY AND EXTEND WIRING AS REQUIRED TO MAINTAIN POWER TO DEVICES NOT SCHEDULED FOR DEMOLITION AND DEVICES BEING RELOCATED.

ELECTRICAL SPECIFICATIONS:

DIVISION 26

1. CONDUIT INDOOR: EMT CONDUIT FOR DRY AND DAMP LOCATIONS.
2. STEEL FLEXIBLE CONDUIT FOR FINAL CONNECTIONS TO RECESSED LIGHT FIXTURES AND EQUIPMENT SUBJECT TO VIBRATION OR MOVEMENT.
3. EMT & FLEXIBLE CONDUIT FITTINGS: STEEL; COMPRESSION.
4. GRC & IMC FITTINGS: THREADED RIGID STEEL FITTINGS.
5. CONDUCTORS: SHALL BE COPPER. PROVIDE GREEN INSULATED GROUNDING CONDUCTORS TO ALL DEVICES AND EQUIPMENT.
6. NON-SPECIFIED ITEMS: NOT ALL ITEMS ARE SPECIFIED, BUT SHALL BE PROVIDED TO PROVIDE FULLY OPERATIONAL SYSTEMS. ALL NON-SPECIFIED ITEMS SHALL BE SUITABLE FOR HEALTHCARE AND COMMERCIAL APPLICATIONS.
7. ALL OTHER WORK NOT INDICATED ON THE SPECIFICATION SHEET SHALL BE IN COMPLIANCE WITH EQUIPMENT SCHEDULES AND AS INDICATED AND SHALL BE PER THE MULTICARE MASTER SPECIFICATIONS FOR USE ON ALL HOSPITAL PROJECTS DATED 31 MARCH 2014, INCLUDING ANY REVISIONS..
8. AVOID HOT WORK WHEN POSSIBLE. IF UNAVOIDABLE USE FM GLOBAL HOT WORK PERMIT PROCESS AND USE ALL PRECAUTIONS REQUIRED TO PREVENT HOT WORK RELATED FIRES.
9. RECEPTACLES SHALL BE IDENTIFIED HOSPITAL GRADE.
10. RECEPTACLES SHALL BE TAMPER RESISTANT WHERE REQUIRED BY NEC 517.18(C).

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.
https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections
or call for Licensing Information: 1-800-647-0982

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THOMAS URQUHART — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
SIGNED
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100% CD SET 01-10-2025

MultiCare Good Samaritan Hospital

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Puyallup, WA 98372

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

LEGEND, ABBREVIATIONS & GENERAL NOTES

SHEET NUMBER

E00-01B

1/20/2025 3:17 PM

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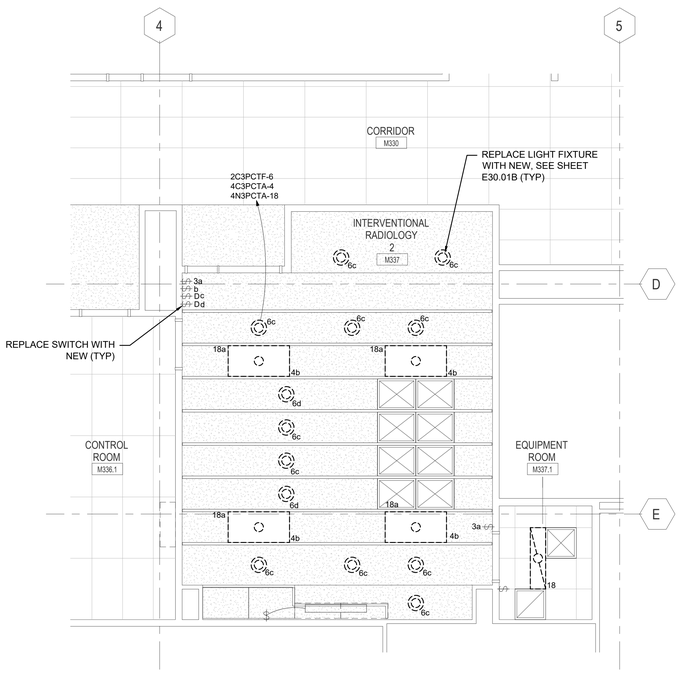
EXISTING INSTALLED WIRING

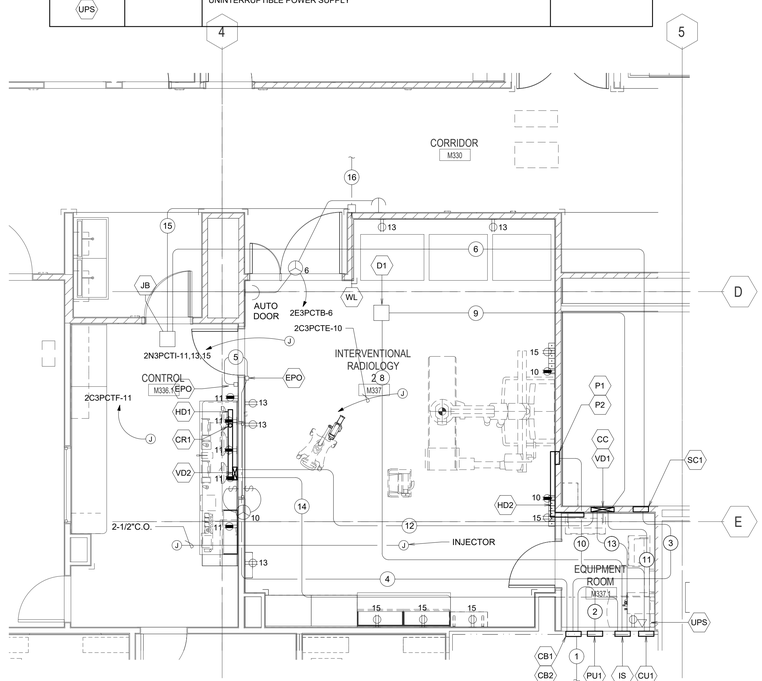
CONDUIT RUN No.	CONDUIT FROM	CONDUIT TO	MINIMUM CONDUIT SIZE	WIRE SIZE	SPECIAL REQUIREMENTS
1	3-PHASE	CBP	2 1/2"	4#1/0, 1#1/0G, 1#1/0IG	
2	CB1	PU1	2"	3#2, 1#2IG	
3	CB2	SC1	1 1/2"	4#6, 1#6IG	
4	CBP	EPO	1/2"	2#12, 1#12G	
5	EPO	EPO	1/2"	2#12, 1#12G	
6	SC1	JB	1/2"	4#12, 1#12G	
7					
8	IS	D1	3"		
9	VD1	D1	2 1/2"		
10	P2	CU1	2 1/2"		
11	VD1	CU1	2"		
12	VD1	VD2	(1) 3", (1) 2"		
13	VD1	IS	2"		
14	IS	VD2	(1) 3", (1) 2"		
15	JB	WL	1/2"	2#12, 1#12G	
16	WL	1-PHASE	3/4"	2#12, 1#12G	

(E)ELECTRICAL LEGEND

SYM NUMBER	SIZE	DESCRIPTION SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR	REMARKS
CBP	SIZED BY E.C.	MULTI BREAKER PANEL, 480/277V, 3Ø, 4W+G+IG, 125A MAIN CB WITH SHUNT TRIP, CB1 AND CB2	BREAKER PANEL
CB1	100 AMPS	480/277 VOLTS, 3-PHASE, 60 Hz, 4-WIRE "WYE" CIRCUIT BREAKER RATED AT 100 AMS. SEE G.E.	GENERATOR
CB2	50 AMPS	480/277 VOLTS, 3-PHASE, 60 Hz, 4-WIRE "WYE" CIRCUIT BREAKER RATED AT 50 AMPS.	SYSTEMS CABINET
CC	18" x 8"	BUSHED OPENING IN VERTICAL DUCT "VD1" COVER AT FLOOR LINE	CABLE CABINET
CR1	3"Ø	BUSHED OPENING IN TOP OF HORIZONTAL DUCT "HD1"	CONTROL ROOM DISTRIBUTOR
CU1	AS REQUIRED	PULL BOX MOUNTED FLUSH IN FINISHED WALL ABOVE SHELF. PROVIDE BOX WITH REMOVABLE FRONT COVER AND (1) 4"Ø BUSHING IN CENTER OF REMOVABLE COVER FOR CABLE EXIT	KLUVER COOLING UNIT
D1	12" x 12" x 12"	PULL BOX MOUNTED ABOVE FINISHED CEILING WITH REMOVABLE BOTTOM COVER WITH 4"Ø BUSHED OPENING. IF REQUIRED BY LOCAL CODE PROVIDE 4"Ø SLEEVE EXTENDING FROM BOX TO FLUSH WITH FINISHED CEILING. PROVIDE BUSHING AT CEILING LINE	EXAM ROOM MONITORS (DCS)
EPO	---	EMERGENCY OFF BUTTON FOR CIRCUIT BREAKER. EPO MUST PREVENT RESETTING OF CIRCUIT BREAKER WHEN IN OFF POSITION. LARGE MUSHROOM PUSH BUTTON WITH GUARD/COLLAR	EMERGENCY POWER OFF
IS	12" x 12" x 4"	PULL BOX MOUNTED FLUSH WITH FINISHED WALL AT FLOOR LINE	IMAGE SYSTEM
P1	10" x 3 1/2"	OPENING AT END OF HORIZONTAL DUCT "HD2" IN SHOWN LOCATION	MP UNIT
P2	AS REQUIRED	PULL BOX MOUNTED FLUSH IN FINISHED WALL AT FLOOR LINE AS SHOWN CONNECTING TO "HD2" FOR COOLING HOSES	MP UNIT
PU1	12" x 12" x 4"	PULL BOX MOUNTED FLUSH IN FINISHED WALL AT FLOOR LINE. PROVIDE BOX WITH REMOVABLE FRONT COVER AND (1) 4"Ø BUSHING FOR CABLE EXIT. BUSHING TO BE LOCATED AT BOTTOM OF REMOVABLE COVER	GENERATOR
SC1	12" x 12" x 4"	PULL BOX MOUNTED FLUSH IN FINISHED WALL AT FLOOR LINE. PROVIDE BOX WITH REMOVABLE FRONT COVER AND (1) 4Ø BUSHING FOR CABLE EXIT. BUSHING TO BE LOCATED AT BOTTOM OF REMOVABLE COVER	SYSTEM CABINET
WL	---	WARNING LIGHT TO INDICATE "X-RAY ON". MOUNT LIGHT ABOVE OR NEXT TO ENTRY DOOR. SEE SPECIFICATION 26 5000. FIXTURE TYPE WL	WARNING LIGHT
HD1	3 1/2" x 10"	HORIZONTAL DUCT MOUNTED ON FINISHED WALL AT FLOOR LINE. PROVIDE DUCT WITH REMOVABLE FRONT COVER. CONNECT TO VERTICAL DUCT "VD2"	HORIZONTAL WALL DUCT
HD2	3 1/2" x 10"	HORIZONTAL DUCT MOUNTED ON FINISHED WALL AT FLOOR LINE. PROVIDE DUCT WITH REMOVABLE FRONT COVER AND (3) BARRIER SEGMENTS. PROVIDE OPENINGS AS SPECIFIED. DUCT MUST PASS THROUGH WALL AS SHONW	HORIZONTAL WALL DUCT
VD1	3 1/2" x 18"	VERTICAL DUCT MOUNTED FLUSH IN FINISHED WALL. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL ABOVE FINISHED CEILING	VERTICAL DUCT
VD2	3 1/2" x 10"	VERTICAL DUCT MOUNTED FLUSH IN FINISHED WALL. BEGIN DUCT AT FLOOR LINE AND EXTEND UP WALL ABOVE FINISHED CEILING	VERTICAL DUCT
JB		WARNING LIGHT AND ROOMLIGHT CONTROLLERS. SEE DETIAL 2/6E8.20 AND 3/6E8.20	
UPS		UNINTERRUPTIBLE POWER SUPPLY	



2 LEVEL 03 - DEMO LAB IR ROOM CEILING PLAN
SCALE: 1/4" = 1'-0"



1 LEVEL 01 - DEMO LAB IR ROOM FLOOR PLAN
SCALE: 1/4" = 1'-0"

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C. THOMAS URQUHART — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

LAB IR ENLARGED DEMOLITION PLANS

SHEET NUMBER

ED30-01B

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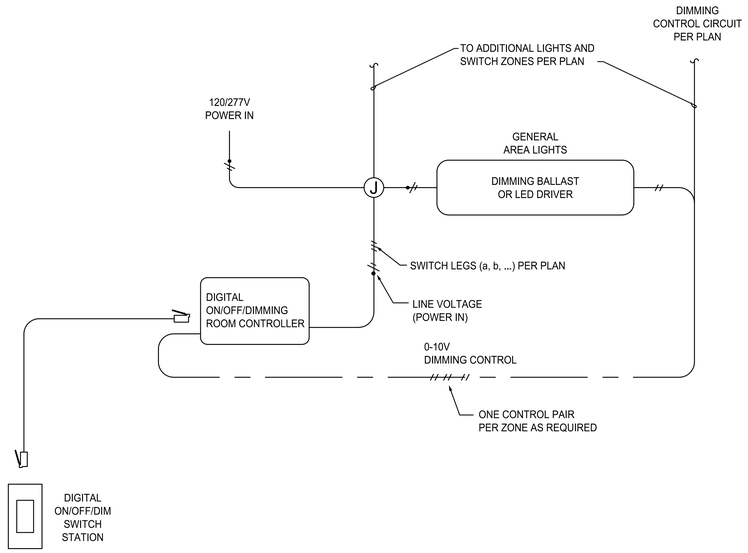


DIGITAL LIGHTING CONTROL DIAGRAM (TYPICAL)

SCALE: NTS

3

LUMINAIRE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER	LAMP	VOLTAGE	INPUT WATTS	BALLAST/ DRIVER	REMARKS
C44	2X4 ARCHITECTURAL LED TROFFER, STEEL HOUSING, WHITE POWDER COAT REFLECTOR.	CREE LIGHTING CR SERIES	LED 3500K 4,000 LUMENS	120-277V	44VA/40W	0-10V	-
C14	RECESSED 1X4 ARCHITECTURAL LED TROFFER FOR ACT CEILING. STEEL HOUSING, WHITE POWDER COAT REFLECTOR.	CREE LIGHTING CR SERIES	LED 3500K 4,000 LUMENS	120-277V	44VA/40W	0-10V	-
R1	6" VANDAL RESISTANT LED DOWNLIGHT WITH 0.125" THICK ACRYLIC BOTTOM LENS, UL LISTED WET LOCATION	FAILSAFE FFLD6BXV WITH BL84 BOTTOM LENS	LED 3500K 80 CRI 2000 LUMENS	UNV	35	0-10V	

GENERAL LUMINAIRE SCHEDULE NOTES:

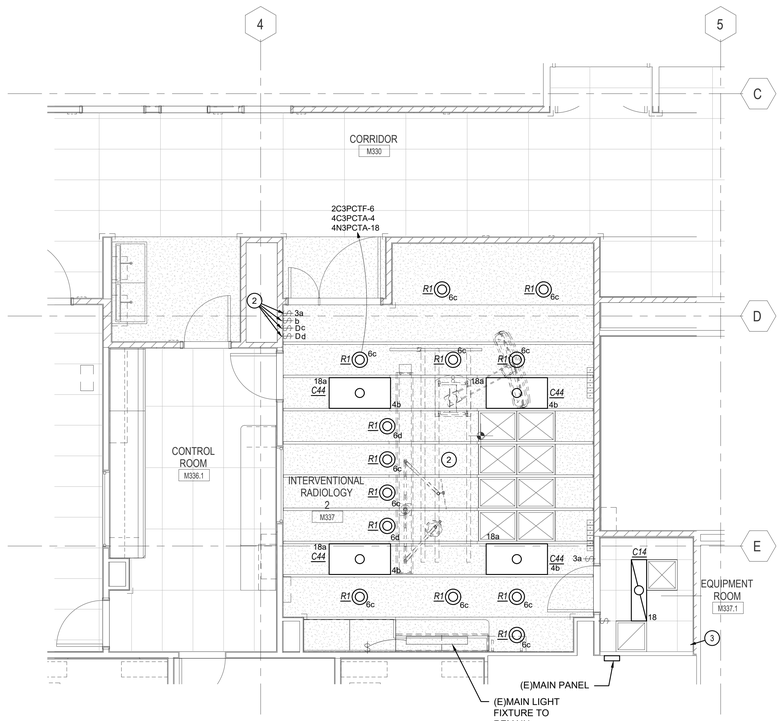
1. LED LUMENS ARE BASED ON TOTAL ILLUMINATION OUTPUT OF THE LUMINAIRE UNLESS OTHERWISE INDICATED.
2. VERIFY STEM, CHAIN, OR CABLE LENGTH WITH FIXTURE VENDOR AS REQUIRED TO ACCOMMODATE THE INDICATED MOUNTING HEIGHT MEASURED TO BOTTOM OF FIXTURE.
3. LED DRIVERS FOR LOW VOLTAGE DIMMING SHALL BE 0-10 VOLTS [DIGITAL SIGNAL DIMMING INTERFACE TYPE] UNLESS OTHERWIS INDICATED.
4. LED DRIVERS FOR LINE VOLTAGE DIMMING SHALL BE REVERSE PHASE ELECTRONIC LOW VOLTAGE (ELV) UNLESS OTHERWISE APPROVED BY THE ARCHITECT/ENGINEER.

GENERAL NOTES:

1. REFER TO GENERAL NOTES ON COVER PAGE FOR ADDITIONAL INFORMATION.

PLAN NOTES:

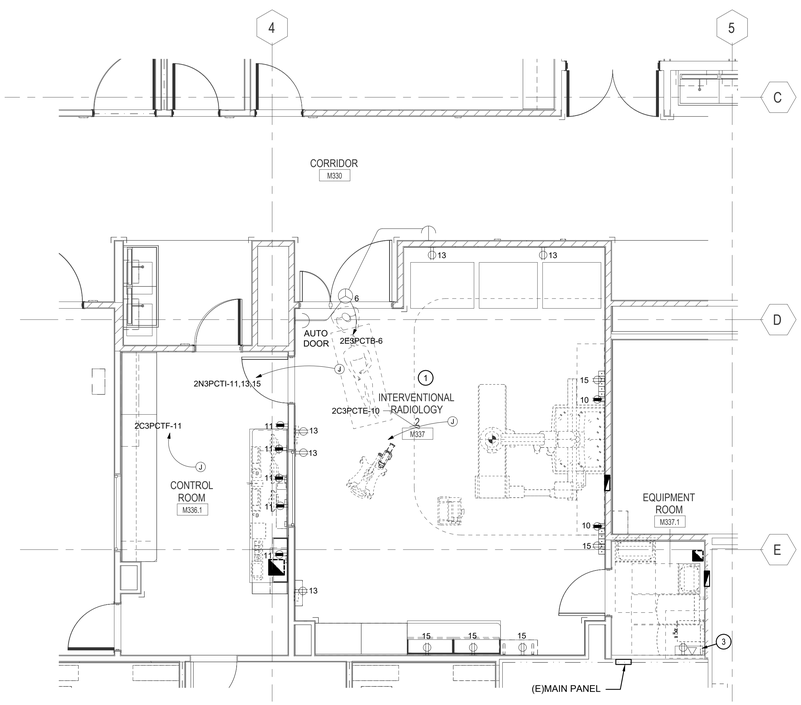
1. REFER TO SIEMENS ELECTRICAL PLANS FOR ELECTRICAL INFORMATION. MODIFY EXISTING WIRING/CONDUIT PATHWAYS INDICATED ON DEMO PLANS TO MEET NEW SIEMENS REQUIREMENTS.
2. REPLACE EXISTING LIGHTING CONTROL WITH NEW. MODIFY EXISTING WIRING AS REQUIRED. MAINTAIN CIRCUITING THROUGH IR EQUIPMENT.
3. THE DIMENSION OF THE NEW UPS ARE 12.75 INCHES WIDE X 33.5 INCHES DEEP X 47.75 INCHES TALL. ADJUST BRACKETS TO SHELF ABOVE UPS LOCATION TO ALLOW FOR NEW HEIGHT.



2 LEVEL 03 - LAB IR ROOM CEILING PLAN

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

0' 2' 8' 1' 4'



1 LEVEL 01 - LAB IR ROOM FLOOR PLAN

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

0' 2' 8' 1' 4'

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