CATH LAB #1 EQUIPMENT UPGRADE

Multicare Good Samaritan Hospital

401 15th Ave. SE, Puyallup WA 98372

City of Puyallup
Development Engineering
APPROVED

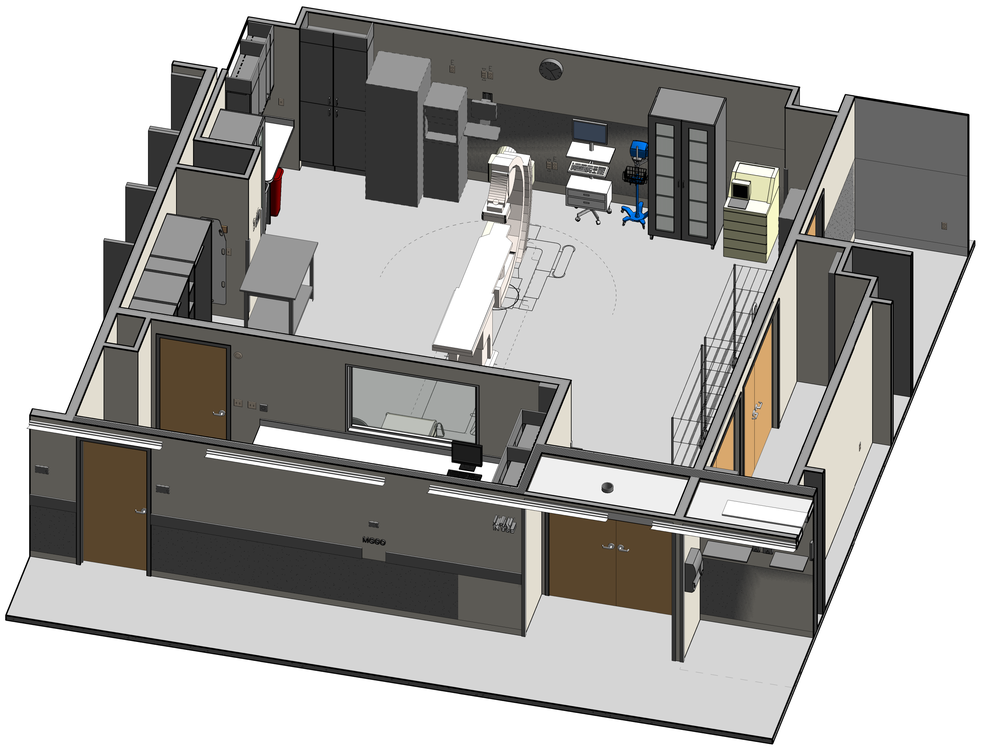
See permit for additional requirements.

Linda Lian
06/23/2022
10:45:44 AM

CITY OF PUYALLUP STATE OF WASHINGTON

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



SYMBOLS AND MATERIAL LEGEND

- 1/4:12 SLOPE — SURFACE SLOPE
- WALL ASSEMBLY STUD SIZE
- A3AX — WALL TAG
- MODIFIER
- 1 — KEYNOTE
- 1 — DOOR NUMBER - REF DOOR SCH
- DOOR TAG
- A-1 — FINISH TAG
- W1 — WINDOW TYPE - REF WINDOW SCH
- WINDOW TAG
- ACT-1 9'-0" — CEILING MATERIAL
- CEILING TAG
- CEILING HEIGHT ABOVE FINISHED FLOOR- ALL CEILINGS 9'-0" UNLESS OTHERWISE NOTED.
- Name / Elevation — ELEVATION TAG
- Room Name / 101 / 150 SF — ROOM NUMBER
- ROOM TAG
- ROOM AREA
- 1 — DRAWING REVISION
- 1 / A7.01 — DRAWING NUMBER
- CALLOUT
- SHEET NUMBER
- 1 / A1.01 — BUILDING SECTION
- 1 / A1.01 — WALL SECTION
- 1 / 4 / A3.00 / 2 / 3 — DRAWING NUMBER
- INTERIOR ELEVATION
- SHEET NUMBER
- 1 1/4" — DIMENSION TO FACE OF FRAMING, FACE OF CONCRETE, GRIDLINE, OR AS NOTED.
- 1 1/4" — CLEAR DIMENSION TO FINISH FACE OR AS NOTED
- NORTH ARROW
- PROJECT NORTH
- (E) 98.75' — EXISTING SPOT ELEV
- 98.75' — NEW SPOT ELEV
- CONCRETE
- GLASS
- GYPSUM BOARD
- INSULATION - ACOUSTICAL
- INSULATION - BATT
- INSULATION - RIGID
- INSULATION - SEMI RIGID
- MASONRY - BRICK
- MASONRY - CONCRETE BLOCK
- METAL - ALUMINUM
- METAL - STEEL
- *WOOD - BLOCKING
- *WOOD - CONTINUOUS
- WOOD - FINISH
- WOOD - PARTICLE BOARD
- WOOD - PLYWOOD

GENERAL NOTES

1 CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK.

2 DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS. DO NOT SCALE DRAWINGS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.

3 CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS.

4 CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND COORDINATION OF SUBCONTRACTOR'S WORK, COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS, ACCURATE LOCATION OF STRUCTURAL MEMBERS, AND OPENINGS FOR MECHANICAL, ELECTRICAL, AND MISCELLANEOUS EQUIPMENT.

5 CONTRACTOR SHALL VERIFY DIMENSIONS AND CLEARANCES FROM MANUFACTURER PRIOR TO THE CONSTRUCTION AND INSTALLATION OF ALL EQUIPMENT, FURNISHINGS, AND ACCESSORIES.

6 CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE DURING CONSTRUCTION AND UNTIL PROJECT COMPLETION.

7 CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UTILITIES, WHETHER INDICATED IN DRAWINGS OR NOT.

8 PROVIDE BACKING, BLOCKING, OR STRAPPING AS REQUIRED FOR GRAB BARS, SHELVING, EQUIPMENT, HANDRAILS, ACCESSORIES, AND CABINETS.

9 COORDINATE LOCATIONS OF IN-WALL ITEMS TO AVOID BACK TO BACK INSTALLATION.

10 ALL SAFETY GLAZING SHALL BE PERMANENTLY LABELED WITH THE MANUFACTURER'S NAME AND TEST APPROVAL INFORMATION.

11 SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ELECTRICAL AND EQUIPMENT INFORMATION.

ABBREVIATIONS

Ø	DIAMETER	HVAC	HEATING, VENTILATING, AIR CONDITIONING
⊥	PERPENDICULAR	HWD	HARDWOOD
A/C	AIR CONDITIONING	ID	INSIDE DIAMETER
AB	ANCHOR BOLT	INS	INSULATE(D), INSULATION
ACC	ACCESSIBLE	INT	INTERIOR
ACT	ACOUSTICAL TILE		
ADD	ADDENDUM	JAN	JANITOR
AFF	ABOVE FINISH FLOOR	JT	JOINT
AL	ALUMINUM		
ALT	ALTERNATE	LAM	LAMINATE(D)
ANOD	ANODIZED	LAV	LAVATORY
AP	ACCESS PANEL	LH	LEFT HAND
ARCH	ARCHITECT(URAL)	LW	LIGHTWEIGHT
AUTO	AUTOMATIC		
		MAX	MAXIMUM
B.O.	BOTTOM OF	MECH	MECHANICAL
BATT	BATT INSULATION	MFR	MANUFACTURER(R)
BIT	BITUMINUS	MGR	MANAGER
BLDG	BUILDING	MH	MANHOLE
BM	BENCH MARK	MIN	MINIMUM
BOL	BOLLARD	MISC	MISCELLANEOUS
BP	BUILDING PAPER	MO	MASONRY OPENING
		MOD	MODULAR
CCTV	CLOSED CIRCUIT TV	MP	METAL PANEL
CF	CUBIC FOOT	MRGB	MOISTURE RESISTANT GYPSUM WALL BOARD
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	MTL	METAL
CG	CORNER GUARD	N	NORTH
CJ	CONTROL JOINT	NIC	NOT IN CONTRACT
CLG	CEILING	NOM	NOMINAL
CLR	CLEAR(ANCE)	NTS	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT		
COL	COLUMN	OC	ON CENTER(S)
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONST	CONSTRUCTION	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CONT	CONINUOUS, CONTINUE		
CT	CERAMIC TILE	OFOI	OWNER FURNISHED, OWNER INSTALLED
CTR	CENTER	OH	OVERHEAD
		OPP	OPPOSITE
DA	DOUBLE ACTING		
DEMO	DEMOLISH/DEMOLITION	P	PAINT(ED)
DEP	DEPRESSED	PERF	PERFORATE(D)
DF	DRINKING FOUNTAIN	PLAM	PLASTIC LAMINATE
DIA	DIAMETER	PSF	POUNDS PER SQUARE FOOT
DIAG	DIAGONAL	PSI	POUNDS PER SQUARE INCH
DIM	DIMENSION	PT	PRESSURE TREATED
DISP	DISPENSER	PTD	PAPER TOWEL DISPENSER
DIV	DIVISION	PTN	PARTITION
DMT	DEMOUNTABLE	PWD	PLYWOOD
DN	DOWN		
DP	DAMPPROOFING	QT	QUARRY TILE
DR	DOOR		
DS	DOWNSPOUT	RA	RETURN AIR
DTL	DETAIL	RAD	RADIUS
DW	DISHWASHER	RD	ROOF DRAIN
DWG	DRAWING(S)	REF	REFRIGERATOR
DWR	DRAWER	REQ	REQUIRED
		REV	REVISION(S), REVISED
(E)	EXISTING	RH	RIGHT HAND
E	EAST	RM	ROOM
EA	EACH	RO	ROUGH OPENING
EJT	EXPANSION JOINT		
EL	ELEVATION	S	SOUTH
ELEC	ELECTRIC(AL)	SAM	SELF ADHERED MEMBRANE
EMER	EMERGENCY	SC	SOLID CORE
EP	ELECTRICAL PANEL	SCHED	SCHEDULE
EQ	EQUAL	SEC	SECTION
EQUIP	EQUIPMENT	SFRM	SPRAY-APPLIED FIRE RESISTIVE MATERIAL
EXH	EXHAUST	SIM	SIMILAR
EXP	EXPANSION	SPEC	SPECIFICATION(S)
EXP	EXPOSED	SQ	SQUARE
EXT	EXTERIOR	STD	STANDARD
		STL	STEEL
F.O.	FACE OF	STR	STRUCTURAL
FA	FIRE ALARM	SUPP	SUPPLEMENT, SUPPLY
FAF	FLUID APPLIED FLOORING	SV	SHEET VINYL
FD	FLOOR DRAIN, FIRE DAMPER		
FE	FIRE EXTINGUISHER	T&G	TONGUE AND GROOVE
FEC	FIRE EXTINGUISHER CABINET	TB	TOWEL BAR
FF	FINISH FLOOR	TEL	TELEPHONE
FGL	FIBERGLASS	TEMP	TEMPERED
FHC	FIRE HOSE CABINET	TKBD	TACKBOARD
FIN	FINISH(ED)	TO	TOP OF
FLOUR	FLOURESCENT	TOC	TOP OF CURB OR CONCRETE
FLR	FLOOR(ING)	TOF	TOP OF FRAMING
FND	FOUNDATION	TOW	TOP OF WALL
FP	FIREPROOFING	TS	TUBE STEEL
FRP	FIBER-REINFORCED PLASTIC	TV	TELEVISION
FT	FIRE TREATED	TYP	TYPICAL
FTG	FOOTING		
		UNO	UNLESS NOTED OTHERWISE
GA	GAUGE		
GALV	GALVANIZED	VB	VAPOR BARRIER
GB	GRAB BAR	VCT	VINYL COMPOSITION TILE
GL	GLASS, GLAZING	VERT	VERTICAL
GWB	GYPSUM WALL BOARD	VG	VERTICAL GRAIN
GYP	GYPSUM		
GYP BD	GYPSUM BOARD	W	WEST
		W/	WITH
HB	HOSE BIBB	W/O	WITHOUT
HC	HOLLOW CORE	WC	WATER CLOSET
HDR	HEADER	WD	WOOD
HDW	HARDWARE	WH	WATER HEATER
HM	HOLLOW METAL	WP	WATERPROOF(ING)
HOR	HORIZONTAL	WRB	WEATHER RESISTIVE BARRIER
HR	HOUR	WS	WATERSTOP
HT	HEIGHT	WWF	WELDED WIRE FABRIC
HTG	HEATING		

PROJECT CONTACTS

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PROJECT DESCRIPTION

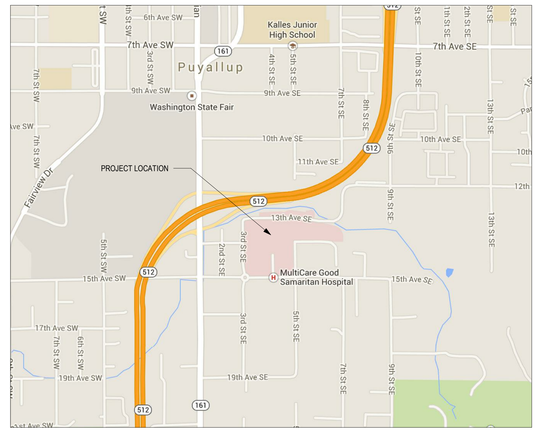
THE PROJECT CONSISTS OF IMAGING EQUIPMENT REPLACEMENT AS WELL AS ROOM FINISH MODIFICATIONS AS REQUIRED FOR THE GOOD SAMARITAN CARDIAC CATH LAB 1 ON THE 3RD FLOOR OF THE MAIN HOSPITAL TOWER.

DRAWING INDEX

-DEFERRED SUBMITTALS-

1 FIRE SUPPRESSION SYSTEM
2 FIRE ALARM AND DETECTION SYSTEM

VICINITY MAP



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11095 REGISTERED ARCHITECT SCOTT D. COMBS STATE OF WASHINGTON

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401 15th Ave. SE, Puyallup WA 98372

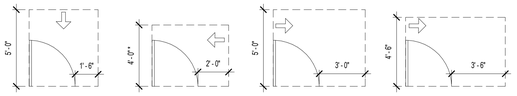
ISSUE DATE: 4.5.2022
REVISIONS:

PERMIT SET

GENERAL NOTES, SYMBOLS & ABBREVIATIONS

G0.01

PROJECT NO.: 21015

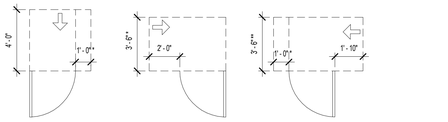


FRONT APPROACH, PULL SIDE

LATCH APPROACH, PULL SIDE
*54" MIN IF CLOSER IS PROVIDED

HINGE APPROACH, PULL SIDE

HINGE APPROACH, PULL SIDE

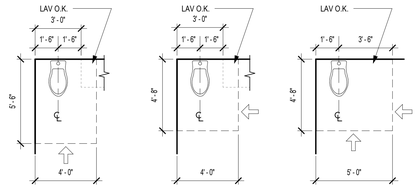


FRONT APPROACH, PUSH SIDE
*IF BOTH CLOSER AND LATCH ARE PROVIDED

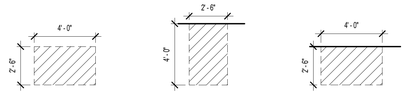
LATCH APPROACH, PUSH SIDE
*48" MIN IF CLOSER IS PROVIDED

HINGE APPROACH, PUSH SIDE
*IF BOTH CLOSER AND LATCH ARE PROVIDED
**48" MIN IF BOTH CLOSER AND LATCH ARE PROVIDED

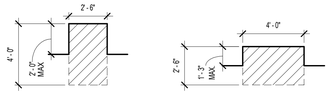
MANEUVERING CLEARANCES AT SWINGING DOORS



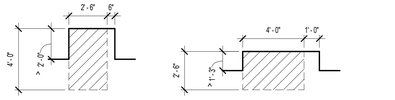
CLEAR FLOOR SPACE AT WATER CLOSETS



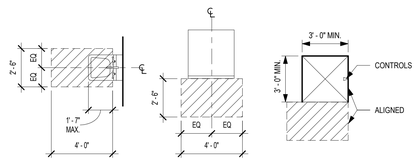
CLEAR FLOOR SPACE | FORWARD APPROACH | PARALLEL APPROACH



FORWARD APPROACH IN ALCOVE | PARALLEL APPROACH IN ALCOVE



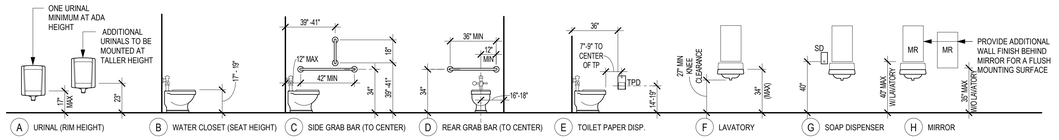
FORWARD APPROACH IN ALCOVE | PARALLEL APPROACH IN ALCOVE



CLEAR FLOOR SPACE AT LAVATORIES | CLEAR FLOOR SPACE AT REFRIGERATOR (SIDE APPROACH ONLY) | CLEAR FLOOR SPACE AT SHOWER

CLEAR FLOOR SPACE

3 G1.01 TYPICAL ADA CLEARANCES
1/4" = 1'-0"



NOTES:
1) ALL DIMENSIONS ARE TYPICAL UNLESS NOTED OTHERWISE ON INTERIOR ELEVATIONS.
2) WALL MOUNTED ACCESSORIES SHALL NOT PROJECT MORE THAN 4" FROM FACE OF WALL WHEN LOCATED BELOW 6'-8".

2 G1.01 TYPICAL MOUNTING HEIGHTS
1/4" = 1'-0"

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

CODE SUMMARY

PROJECT NAME:	CATH LAB UPGRADE
ADDRESS:	401 15TH AVENUE SE PUYALLUP, WA 98372
OWNER:	MULTICARE HEALTH SYSTEM
CODES:	2018 IBC WITH STATE OF WASHINGTON AMENDMENTS, NFPA 101 -CHAPETER 18
OCCUPANCY:	I-2
NUMBER OF STORIES:	EIGHT
CONSTRUCTION TYPE:	1-A
FIRE PROTECTION:	FULLY SPRINKLERED
FIRE ALARM SYSTEM:	YES
ALLOWABLE SQUARE FOOTAGE:	(TABLE 506.2)
ALLOWABLE SQUARE FOOTAGE FOR GROUP I-2 (1-A):	UNLIMITED
TOTAL AREA ALLOWED:	UNLIMITED
ACTUAL SQUARE FOOTAGE:	LEVEL 1 88,888 SF LEVEL 2 88,888 SF
FIRE SEPARATION DISTANCE:	≥30'-0"
MAXIMUM AREA OF EXTERIOR WALL OPENINGS (705.8):	≥30'-0" UNPROTECTED, SPRINKLERED UNLIMITED
OCCUPANT LOAD:	1/120 SF. SLEEPING AREAS 1/20 SF. CLASSROOM
MAX. COMMON PATH OF TRAVEL (1006.2.1):	75 FT
MAX. TRAVEL DISTANCE (1017.2.1):	200 FT

FIRE RESISTIVE RATINGS: (TABLE NO. 601, 602 OF THE I.B.C.)	
BUILDING ELEMENT (>10' SEPARATION)	TYPE 1-A
STRUCTURAL FRAME	3 HOUR
BEARING WALLS	
EXTERIOR	3 HOUR
INTERIOR	3 HOUR
NON BEARING WALLS AND PARTITIONS	
EXTERIOR	1 HOUR, IF <30' FIRE SEPARATION DISTANCE 0 HOUR, IF ≥30' FIRE SEPARATION DISTANCE
INTERIOR	0 HOUR
FLOOR CONSTRUCTION	
INCLUDING SUPPORTING BEAMS AND JOISTS	2 HOUR
NON BEARING WALLS AND PARTITIONS	
INCLUDING SUPPORTING BEAMS AND JOISTS	1.5 HOUR

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL TRADES ARE THOROUGHLY FAMILIAR AND COMPLY WITH THE REQUIREMENTS LISTED IN THE "FIRE AND LIFE SAFETY STANDARDS" (FLSS)
2. ALL RATED ASSEMBLIES SHALL BE CONSTRUCTED TO PREVENT THE MOVEMENT OF FLAME OR GASSES PER CODE
3. INSTALL RATED ENCLOSURES FOR ALL RECESSED ITEMS IN RATED WALLS PER CODE. SEE ARCHITECTURAL DETAILS.
4. ALL PENETRATIONS THROUGH RATED ASSEMBLIES IN AREA OF WORK SHALL BE FIRESTOPPED OR SEALED PER CODE.
5. THE CONTRACTOR SHALL FIELD VERIFY THE CONDITION OF THE EXISTING FLSS SYSTEMS IN THE AREAS OF WORK THAT MAY REQUIRE UPDATING. AREAS INCLUDE (BUT ARE NOT LIMITED TO) THE FOLLOWING:

   A. CONTRACTOR TO VERIFY THAT ALL EXISTING PENETRATIONS OF RATED ASSEMBLIES WHICH ARE EXPOSED TO VIEW DURING CONSTRUCTION ARE COMPLIANT WITH CODE REQUIREMENTS.

   B. CONTRACTOR TO EXTEND ANY EXISTING WALL (WITHIN THE AREA OF WORK) TO STRUCTURE WHICH IS REQUIRED BY FLSS BUT DOES NOT PRESENTLY EXIST.

   C. CONTRACTOR TO VERIFY THAT ALL DUCTWORK PENETRATIONS THROUGH RATED ASSEMBLIES ARE EQUIPPED WITH FIRE AND/ OR SMOKE DAMPERS AS REQUIRED BY CODE.

   D. VERIFY THAT THE FIRE ALARM, EMERGENCY LIGHTING, AND EMERGENCY POWER IN THE AREA OF WORK CONFORMS TO THE FLSS "ELECTRICAL STANDARDS" SECTION FOR THE OCCUPANCY TYPE INDICATED ON THE FLS PLANS
6. SEE ELECTRICAL FOR EXIT SIGN LOCATIONS

LEGEND

ROOM NAME
Occupancy Type
SQ FT
Occupancy Calc.
Occ / SF
OCCUPANCY TAG

- 1 HOUR WALL
- 2 HOUR WALL
- 2 HOUR SMOKE BARRIER
- 3 HOUR WALL
- 4 HOUR WALL
- SMOKE BARRIER
- SMOKE PARTITION
- SUITE SEPARATION
- X'-X" EGRESS TRAVEL DISTANCE
- COMMON PATH OF EGRESS TRAVEL
- SMOKE COMPARTMENT TRAVEL DISTANCE
- EXIT CORRIDOR
- EXIT PASSAGEWAY
- SUITE
- FE FIRE EXTINGUISHER
- EXIT SIGN, ARROW(S) INDICATES DIRECTION (IF SHOWN)
- 999 OCCUPANT EXIT LOAD
- 999 CUMULATIVE OCCUPANT EXIT LOAD
- H HORIZONTAL EXIT
- AREA OF REFUGE

DOOR ASSEMBLIES:
20 MIN. "S" LABEL AT CORRIDOR WALLS
60 MIN. AT SPECIAL USE AREAS
90 MIN. AT AREA SEPARATION WALLS

1 G1.01 THIRD FLR. 32'
1/16" = 1'-0"

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ISSUE DATE: 4.5.2022

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FIRE AND LIFE SAFETY

G1.01

PROJECT NO.: 21015

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Development & Permitting Services
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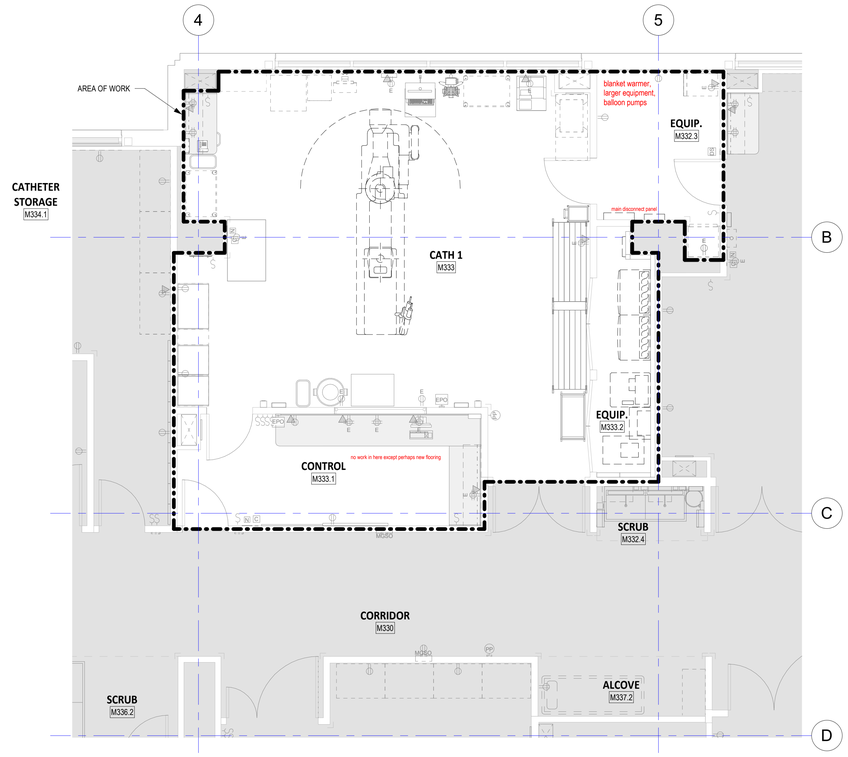
Building	Planning
Engineering	Public Works
Fire	Traffic



3 A2.11 LEVEL 3 - DEMOLITION PLAN
1/4" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY LIMITS OF DEMOLITION WORK
2. THIS DRAWING IDENTIFIES ONLY MAJOR WORK FOR DEMOLITION AND REMOVAL. ALL AREAS OF DEMOLITION SHALL BE CLEARED OF ALL ITEMS MAJOR AND MINOR TO RECEIVE INSTALLATION OF NEW CONSTRUCTION AND FINISHES
3. SEE REFLECTED CEILING PLANS FOR WORK THAT MAY IMPACT DEMOLITION
4. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
5. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES AND CONDITIONS PRIOR TO COMMENCING WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. REPORT ANY DISCREPANCIES BETWEEN DIMENSIONS FOUND IN FIELD AND DIMENSIONS ON DRAWINGS TO ARCHITECT PRIOR TO WORK.
6. LOCATE ALL WIRES, PIPES, UTILITIES, STRUCTURAL MEMBERS, ETC. PRIOR TO ANY DEMOLITION. CUTTING OF ANY ITEM WHICH IS NOT PART OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, INCLUDING ANY TESTING OR SPECIAL OBSERVATION TO CORRECT THE PROBLEM
7. PATCH AND PAINT WALLS, FLOORS, AND SUBFLOOR TO MATCH EXISTING WHERE WORK HAS DISTURBED EXISTING CONDITIONS.
8. ALL EXISTING FINISHES ARE TO BE PROTECTED FROM DAMAGE. DAMAGED AREAS SHALL BE REPAIRED AT NO COST TO THE OWNER.
9. EXISTING CEILING ASSEMBLY TO REMAIN. PROTECT AS REQUIRED FOR NEW WORK.

LEGEND

- EXISTING PARTITION TO BE REMOVED
- EXISTING PARTITION TO REMAIN

KEYNOTES

A.12 EXISTING DOORS TO REMAIN
A.13 EXISTING CASEWORK TO REMAIN

GENERAL NOTES - CEILING

1. ALL CEILING HEIGHTS ARE RELATIVE TO TOP OF SLAB OR SUBFLOOR, U.N.O.
2. SEE ELECTRICAL AND MECHANICAL PLANS FOR LOCATIONS OF FIXTURES AND EQUIPMENT.
3. FIELD VERIFY EXISTING CEILING LAYOUTS PRIOR TO ANY WORK.
4. SUSPENSION SYSTEMS FOR NEW AND EXISTING SUSPENDED GYPSUM BOARD CEILINGS SHALL BE MODIFIED TO FRAME AROUND CEILING INSTALLED ITEMS. SEE MECHANICAL AND ELECTRICAL DRAWINGS.
5. INSTALL BLOCKING AND BACKING FOR WINDOW COVERING TRACKS.
6. REMOVE EXISTING CEILINGS WHERE NEW CEILINGS ARE SHOWN TO BE INSTALLED.
7. FOR TOP OF WALL DETAILS AND HEIGHT OF GYP BOARD ON WALLS, SEE PLANS, PARTITION TYPES, AND DETAILS.
8. RECESSED FIXTURES ARE TO MAINTAIN RATINGS WHERE LOCATED IN RATED CEILING ASSEMBLIES.

LEGEND

- 1t / 9'-0" — CEILING MATERIAL; CEILING TAG; CEILING HEIGHT
- GYPSUM BOARD CEILING
- ACT-4: "2x2"
- 2 x 4 DROP-IN FIXTURE
- RECESSED DOWNLIGHT
- PENDANT LIGHT
- EXAM LIGHT FIXTURE
- WALL MOUNTED LINEAR DIRECT / INDIRECT
- SUSPENDED LINEAR LIGHTING
- UNDERCABINET LIGHT

GENERAL NOTES - PLAN

1. SEE PARTITION TYPES SHEET FOR LEGEND AND CONSTRUCTION ASSEMBLIES.
2. ALL DIMENSIONS TO FACE OF STUD UNLESS OTHERWISE NOTED.
3. SEE MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.
4. ALL WALLS TO BE P13 U.N.O.
5. INTEGRAL BASE TO BE INSTALLED IN ALL HOUSEKEEPING CLOSETS, SOILED HOLD ROOMS, AND TOILET ROOMS (UNLESS NOTED OTHERWISE).

LEGEND

- EXISTING PARTITION
- NEW PARTITION
- CR — CARD READER
- CG — CORNER GUARD

GENERAL NOTES - FINISHES

1. REFER TO INTERIOR FINISH SPECIFICATIONS FOR PROJECT DESCRIPTIONS AND ADDITIONAL INFORMATION.
2. FILL ALL HOLES CRACKS AND RECESSES IN CONCRETE FLOOR WITH NON-SHRINK GROUT FOR A SMOOTH FINISH PREPARED TO RECEIVE FLOOR FINISH.
3. HEAT WELD ALL SHEET VINYL SEAMS.
4. TOP-SET RUBBER OR VINYL WALL BASE. WHERE USED, SHALL BE SEALED TIGHTLY TO THE FLOOR AS WELL AS TO THE WALL.
5. GENERAL WALL PAINT IS P-1 UNLESS NOTED OTHERWISE.
6. SEE INTERIOR ELEVATIONS FOR WALL PROTECTION AND CHAIR RAIL HEIGHT
7. SEE INTERIOR ELEVATIONS FOR TILE PATTERNS AND LOCATION OF ACCENTS
8. P-LAM SOFFITS TO MATCH UPPER CABINET U.N.O.
9. REFER TO WINDOW TYPE SHEET FOR WINDOW COVERINGS
10. PROVIDE BACKSPLASH MATCHING COUNTER MATERIAL WHERE COUNTER ABUTS WALL (UNLESS NOTED OTHERWISE).
11. ALL WINDOW SILLS TO BE SOLID SURFACE (UNLESS NOTED OTHERWISE).
12. INTEGRAL BASE TO BE INSTALLED IN ALL HOUSEKEEPING CLOSETS, SOILED HOLD ROOMS, AND TOILET ROOMS (UNLESS NOTED OTHERWISE).

LEGEND

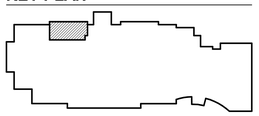
- P-2 — ACCENT WALL FINISH

ROOM FINISH TAG
- FLOOR MATERIAL
- WALL BASE
- CHAIR RAIL
- WALL PAINT COLOR
- WALL PROTECTION

EQUIPMENT LEGEND

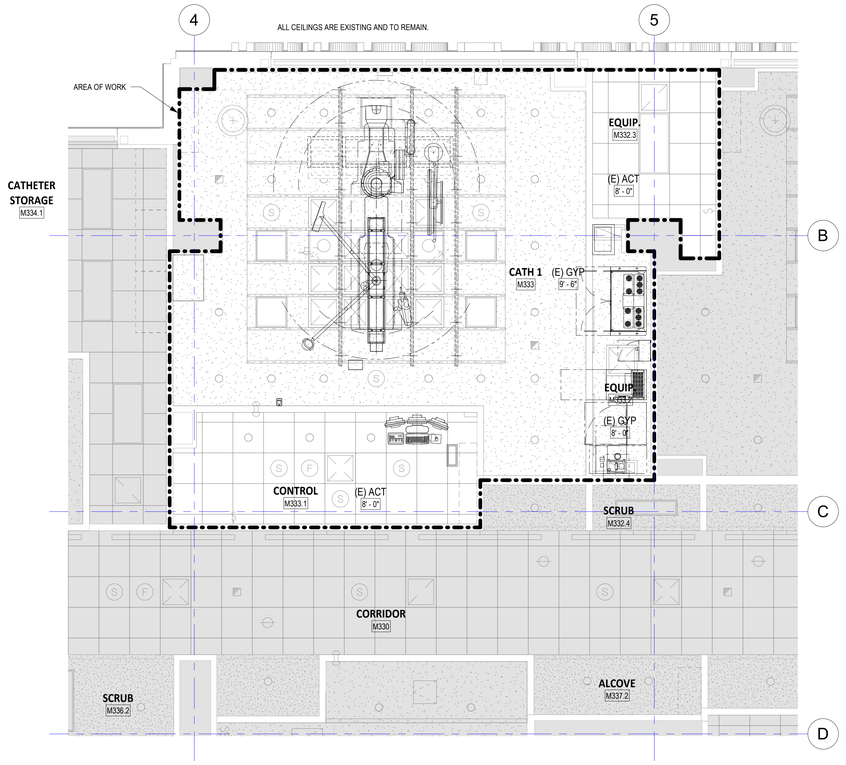
CDR	CABLE DRAPE RAIL
CF	C-FRT CABINET
CL	CEILING TRACK
DC	DETECTOR CHILLER
DM	DISPLAY MONITOR
IC	INJECTOR CONTROLS
IE	INJECTOR ELECTRONICS
IH	INJECTOR HEAD
LC	LC GANTRY
MB	MONITOR LONG BRIDGE
MD	MAIN DISCONNECT PANEL
MON	REFERENCE MONITOR
OC	OPERATORS CONSOLE
PDU	POWER DISTRIBUTION UNIT
PT	PATIENT TABLE
SC	STOREAGE CABINET
SL	SURGICAL LIGHT
SR	STATIONARY RAIL
SS	SCRUB SINK
UPS	UNINTERUPTED POWER SUPPLY
WC	COOLIX 4100 WATER CHILLER
WLC	WARNING LIGHT CONTROLLER
XB	XRAY BUZZER

KEY PLAN

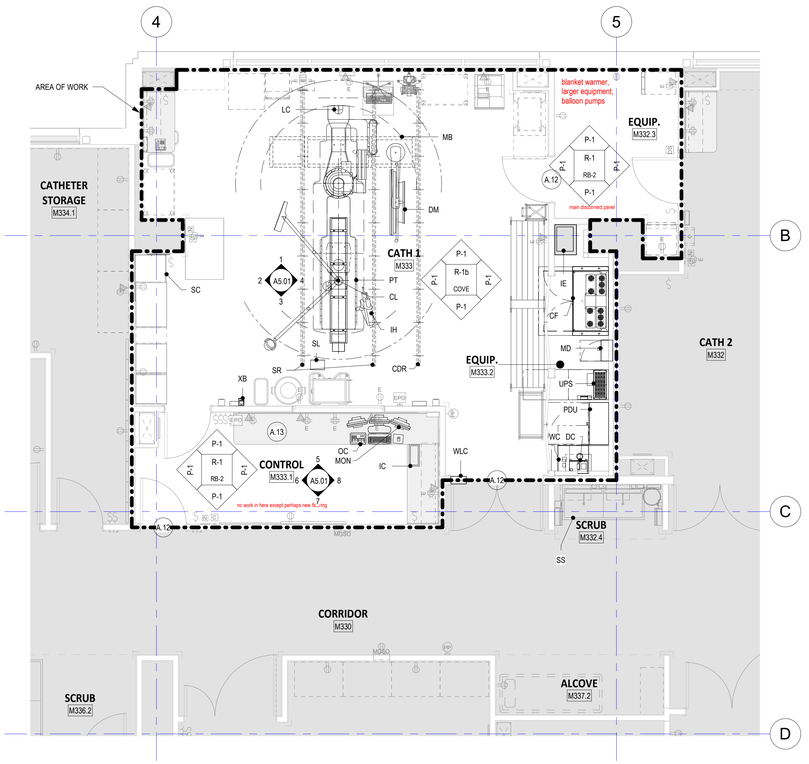


FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	NORTH WALL PAINT	NORTH WALL PROTECTION	NORTH CHAIR RAIL	EAST WALL PAINT	EAST WALL PROTECTION	EAST CHAIR RAIL	SOUTH WALL PAINT	SOUTH WALL PROTECTION	SOUTH CHAIR RAIL	WEST WALL PAINT	WEST WALL PROTECTION	WEST CHAIR RAIL	COMMENTS
M332.3	EQUIP.	R-1	RB-2	P-1			P-1			P-1			P-1			
M333	CATH 1	R-1b	COVE	P-1			P-1			P-1			P-1			
M333.1	CONTROL	R-1	RB-2	P-1			P-1			P-1			P-1			
M333.2	EQUIP.	R-1b	RB-7	P-1			P-1			P-1			P-1			



2 A2.11 LEVEL 3 - REFLECTED CEILING PLAN
1/4" = 1'-0"



1 A2.11 FLOOR PLAN - LEVEL 3 - CATH LAB
1/4" = 1'-0"

CLARK KJOS ARCHITECTS, LLC
621 SW Alder St., Suite 700
Portland, OR 97205
Phone: 503/224-4848

11095 REGISTERED ARCHITECT SCOTT N COMBS STATE OF WASHINGTON

CATH LAB #1 EQUIPMENT UPGRADE

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

ISSUE DATE: 4.5.2022
REVISIONS:

PERMIT SET

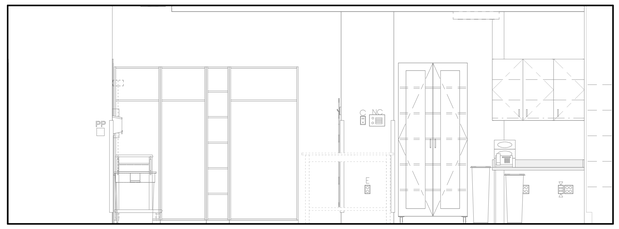
LEVEL 3 - DEMOLITION, PROPOSED & REFLECTED CEILING PLANS

A2.11

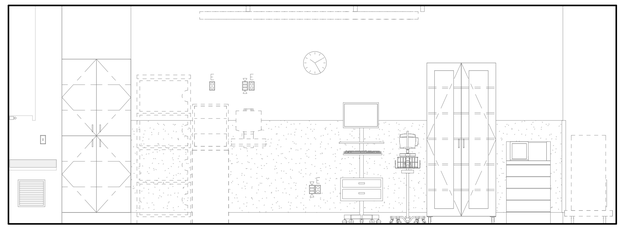
PROJECT NO.: 21015

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

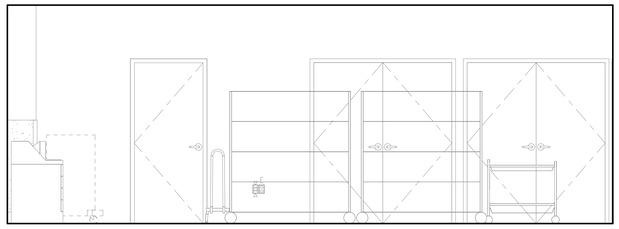
Building	Planning
Engineering	Public Works
Fire	Traffic



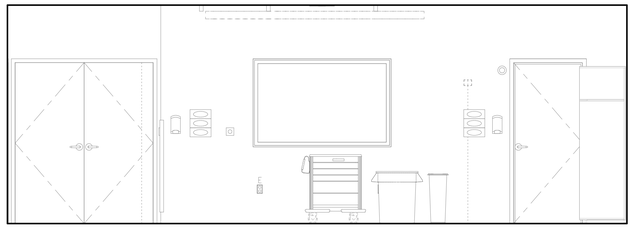
2 A5.01 CATH 1-W
3/8" = 1'-0"



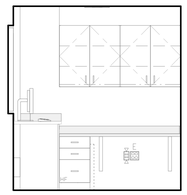
1 A5.01 CATH 1-N
3/8" = 1'-0"



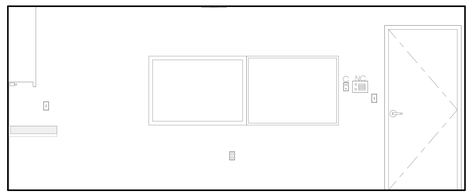
4 A5.01 CATH 1-E
3/8" = 1'-0"



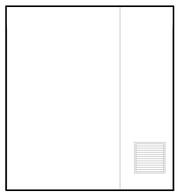
3 A5.01 CATH 1-S
3/8" = 1'-0"



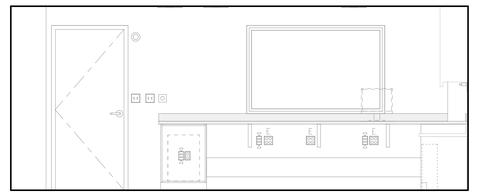
8 A5.01 CONTROL-E
3/8" = 1'-0"



7 A5.01 CONTROL-S
3/8" = 1'-0"



6 A5.01 CONTROL-W
3/8" = 1'-0"



5 A5.01 CONTROL-N
3/8" = 1'-0"

GENERAL NOTES

1. CABINETMAKER SHALL COORDINATE WITH OTHER TRADES, VENDORS AND OWNER FOR ITEMS INSTALLED IN AND AROUND CABINETRY
2. GROMMETS AND ELECTRICAL OUTLETS: INSTALL GROMMETS IN COUNTERTOPS FOR ALL UNDER-COUNTER OUTLETS AS FOLLOWS:
   1 1/2" DIA. GROMMET FOR UP TO 2 OUTLETS
   2 1/2" DIA. GROMMET FOR UP TO 4 OUTLETS
3. COORDINATE MOUNTING HEIGHTS FOR ALL SIGNAGE, EQUIPMENT AND FIXTURES WITH STANDARD MOUNTING HEIGHT DRAWING.
4. PRIOR TO COVERING WALL, BACKING SHALL BE PROVIDED TO ACCOMODATE ALL HUNG ITEMS AND ACCESSORIES CALLED FOR ON THE CONSTRUCTION DOCUMENTS, SUCH ITEMS CONSIST OF, BUT ARE NOT LIMITED TO: UPPERCASE CABINETS, STORAGE SHELVING, TELEVISIONS, COMPUTER MONITORS, LAVATORY ACCESSORIES, AND FUTURE INSTALLATION OF GRAB BARS AT THE SIDES OF WATER CLOSETS.

KEYNOTES

EQUIPMENT LEGEND

CLARK KJOS ARCHITECTS, LLC
621 SW Alder St., Suite 700
Portland, OR 97205
Phone: 503/224-4848

11095 REGISTERED ARCHITECT
SCOTT N. COMBS
STATE OF WASHINGTON

CATH LAB #1 EQUIPMENT UPGRADE

Multicare Good Samaritan Hospital

401 15th Ave. SE, Puyallup WA 98372

ISSUE DATE: 4.5.2022

REVISIONS:

PERMIT SET

INTERIOR ELEVATIONS

A5.01

PROJECT NO.: 21015

MECHANICAL GENERAL NOTES

1. ALL WORK IS BASE BID UNLESS SPECIFICALLY NOTED AS ALTERNATE BID WORK.
2. MECHANICAL WORK IS NOT LIMITED TO MECHANICAL DRAWINGS AND DIVISION 20, 22, 23, AND 25 SPECIFICATIONS. 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.
3. ALL ITEMS ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING.
4. MECHANICAL EQUIPMENT 1/2 HP AND LESS SHALL HAVE ANY REQUIRED STARTER/CONTROL RELAY PROVIDED BY DIVISION 25 (EXCEPT WHERE SPECIFICALLY SHOWN OR SPECIFIED OTHERWISE).
5. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING SEISMIC & EXPANSION JOINTS. PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING & DUCT SYSTEMS WHICH CROSS SUCH JOINTS, SIZED/CONFIGURED TO ACCOMMODATE SPECIFIED MOVEMENT (SEE SPECIFICATIONS) IN ANY DIRECTION W/O PERMANENT DAMAGE. SUBMIT DETAILS OF FLEXIBLE CONNECTIONS & LOCATIONS.
6. 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.
7. 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.
8. ALL DUCTWORK SHOWN IS SCHEMATIC, CONTRACTOR SHALL PROVIDE ALL OFFSETS/ELBOWS AS REQ'D TO ALLOW ROUTING AROUND STRUCTURE, ELECTRICAL, & OTHER INTERFERENCES.
9. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 8 FEET, AND MAY ONLY BE USED WHERE SPECIFICALLY SHOWN ON THE PLANS.
10. 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.
11. 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 - 50	6" Ø	6" Ø
51 - 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 0.08"/100' P.D.	

12. VERIFY LOCATIONS OF ITEMS INSTALLED IN CEILINGS WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO BEGINNING WORK. NOTIFY ARCHITECT/ENGINEER OF DISCREPANCIES.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE & SELECT FINAL LOCATIONS OF ALL AIR INLETS/OUTLETS. SHIFT AIR INLETS/ OUTLETS FROM LOCATIONS SHOWN AS REQ'D TO AVOID CONFLICTS W/ STRUCTURE, LIGHTS, & OTHER ITEMS. SUCH SHIFTS SHALL MAINTAIN SYMMETRY OF AIR TERMINALS & SHALL HAVE PRIOR APPROVAL OF ARCHITECT/ENGINEER.
14. LOCATE MOTORIZED DAMPERS TO BE ACCESSIBLE.
15. FOR HVAC DUCT FITTINGS/CONNECTIONS OF ELBOWS/TRANSITIONS SEE DETAILS ON SHEET M4.20.
16. PROVIDE BALANCING OF HVAC SYSTEM & HYDRONIC SYSTEM.
17. CEILING SPACE IS TIGHT IN A NUMBER OF AREAS. IN SUCH AREAS, CEILING AIR INLET/OUTLET CONN'S REQUIRE SIDE INLET PLENUM, SEE DETAIL 1 SHEET M4.20. PROVIDE WHERE REQ'D DUE TO SPACE LIMITATIONS TO PREVENT KINKS IN FLEX DUCT AND ALLOW PROPER CONN.
18. ALL DUCTWORK SHALL BE RUN CONCEALED, UNO.
19. PROVIDE DUCT ACCESS DOORS AT ALL MOTORIZED DAMPERS & BDD'S.
20. WHERE RETURN GRILLE CFM'S ARE NOT INDICATED, BALANCER SHALL CALCULATE & SUBMIT FOR ENGINEER REVIEW. UNIT RA=SA-OA.
21. PROVIDE FLEX CONNECTORS IN DUCT CONNECTIONS TO ALL EQUIPMENT.
22. RESTROOM EXHAUST & TRANSFER GRILLES SHALL BE INSTALLED TO BE INLINE W/ EACH OTHER.
23. VERIFY MOUNTING HEIGHTS OF ALL EXPOSED DUCTWORK & WALL GRILLES/WALL CAPS W/ ARCHITECT PRIOR TO BEGINNING WORK.
24. 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.
25. SEE SECTION 23 31 00 FOR DUCT CONSTRUCTION PRESSURE CLASS.
26. CONTRACTOR TO TAKE EXTREME CARE WITH ALL CONNECTIONS TO EXISTING SYSTEMS. DUE TO THE HOSPITAL NATURE OF THE BUILDING, ALL SUCH WORK IS FULLY COORDINATED W/ HOSPITAL STAFF.
27. FIRE SPRINKLER WORK IS NOT PART OF THESE DRAWINGS. FIRE SPRINKLER DRAWINGS TO BE PROVIDED BY ANOTHER FIRM.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

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. EXIST. 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 EXIST. 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 EXIST. 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 EXIST. BRANCH DUCTS ARE REMOVED, PROVIDE SHEET METAL PATCH WITH INSULATION AT UNUSED CONNECTION (INSULATION REQUIRED ON SUPPLY AIR DUCTS ONLY).
10. WHERE EXIST. PLUMBING FIXTURES ARE REMOVED, CAP OFF CW, HW, VENT & WASTE PIPING AT A CONCEALED LOCATION (I.E. ABOVE CEILING OR INSIDE WALL).
11. WHEREVER FLOOR DRAINS ARE REMOVED, LOCATE AND REMOVE TRAP PRIMER THAT SERVED DRAIN(S) AND CAP OFF CW PIPING.
12. PROVIDE TEMPORARY CAP-OFF OF ALL EXIST. SYSTEMS TO ALLOW CONTINUED USE OF ALL SYSTEMS UNTIL THE FINAL SYSTEM COMPONENTS ARE INSTALLED AND CONNECTED (INCLUDE HWS/HWR, CHS/CHR, CW, HW, WASTE, VENT, CONTROLS, DUCTWORK, ETC.).
13. 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.
14. 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.
15. 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.
16. PROVIDE CAP-OFF OF ALL EXISTING UTILITIES THAT ARE CUT OR SERVED DEMO'D ITEMS. SYSTEMS TO BE CAPPED OFF INCLUDE HW, CW, WASTE, VENT, HWS, HWR, RL, HWC, SA DUCTS, RA DUCTS, AND EXHAUST DUCTS. ALL CAP-OFFS SHALL OCCUR IN A CONCEALED LOCATION.
17. SEE PLUMBING AND HVAC FLOOR PLANS FOR RECONNECTION OF NEW PIPING AND DUCTWORK.

MECHANICAL DRAWING INDEX

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	WASTE OR SOIL (W)
	VENT (V)
	COLD WATER (CW)
	HOT WATER (HW)
	HOT WATER CIRCULATING (HWC)
HWS	HEATING WATER SUPPLY (HWS)
HWR	HEATING WATER RETURN (HWR)
CHS	CHILLED WATER SUPPLY (CHS)
CHR	CHILLED WATER RETURN (CHR)
C	CONDENSATE (C)
G	NATURAL GAS (G)
RL	REFRIGERANT LIQUID (RL)
RG	REFRIGERANT GAS (RG)
	FLOOR CLEANOUT (FCO)
	ISOLATION VALVE - SEE SPECIFICATIONS FOR TYPE
	BALANCING VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	PIPE UP
	PIPE DOWN
	PIPE TEE IN LINE, BRANCH PIPE DOWN
	UNION
	RELIEF VALVE OR SAFETY VALVE
	STRAINER WITH BLOW-OFF VALVE
	CONCENTRIC REDUCER
	HOSE BIBB
AAV	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	THERMOMETER
20/12	DUCT (FIRST FIGURE, SIDE SHOWN)
20/12Ø	FLAT OVAL DUCT (FIRST FIGURE, SIDE SHOWN)
20/12L / 20/12L*	LINED DUCT (DIM. FOR NET FREE AREA) EOL= END OF LINING * = 2" THICK LINING EOL* = END OF 2" THICK LINING
R(D)	RISE (R) OR DROP (D) ARROW IN DIRECTION OF FLOW
	DUCT SECTION (SUPPLY)
	DUCT SECTION (EXHAUST OR RETURN)
Ø	ROUND DUCT OR FLAT OVAL
	VOLUME DAMPER (MANUAL)
M	MOTORIZED DAMPER
	FLEXIBLE CONNECTION
	SMOKE DAMPER COMBINATION FIRE/SMOKE DAMPER FIRE DAMPER
	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
SIZE,SYMBOL CFM	WALL OUTLET (OR INLET)
T TG TA	THERMOSTAT G= WITH GUARD A= AVERAGED WITH OTHER (T)
2 / M3.1	DETAIL/SECTION IDENTIFICATION NUMBER SHEET ON WHICH DETAIL IS SHOWN

ABBREV.	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
ASSY	ASSEMBLY
AAV	AUTOMATIC AIR VENT
BDD	BACKDRAFT DAMPER
B.O.D.	BOTTOM OF DUCT
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR
BLDG	BUILDING
CAP	CAPACITY
CLG	CEILING
CO	CLEANOUT
CONN	CONNECTION
CONT	CONTINUE, CONTINUATION
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CT	CLOSED TRANSITION
CW	COLD WATER
CWV	COMBINATION WASTE/VENT
DEG F, °F	DEGREE FAHRENHEIT
DIA, Ø	DIAMETER
DN	DOWN
DWG	DRAWING
DB	DRY BULB
EA	EACH
EF	EXHAUST FAN
EFF	EFFICIENCY
ELEC	ELECTRICAL, ELECTRIC
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
EER	ENERGY EFFICIENCY RATIO
EAT	ENTERING AIR TEMPERATURE
EWB	ENTERING WET BULB
EDB	ENTERING DRY BULB
EOL	END OF LINING
EXH	EXHAUST
EXIST	EXISTING
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
F	FIRE
FV	FACE VELOCITY
FPM	FEET PER MINUTE
FLEX	FLEXIBLE
FL	FLOOR
FCO	FLOOR CLEAN OUT
FLA	FULL LOAD AMPS
GAL	GALLON
G	GAS
HB	HOSE BIBB
HP	HORSE POWER
HW	HOT WATER
HWC	HOT WATER CIRCULATION
INTEGR.	INTEGRAL
IN	INCH
I.E.	INVERT ELEVATION
KW	KILOWATT
L	LINING
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LWT	LEAVING WATER TEMPERATURE
LWB	LEAVING WET BULB
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MFR	MANUFACTURER
MBH	THOUSAND BTUH
MCA	MIDDLE
MECH	MINIMUM CIRCUIT AMPACITY
MID	MECHANICAL
MIN	MINIMUM
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
NO.	NUMBER
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
PH	PHASE
P.D.I.	PLUMBING AND DRAINAGE INST.
PD	PRESSURE DROP
R	RETURN
RLA	RATED LOAD AMPS
REF	REFERENCE
RL	RAIN LEADER
REQ'D	REQUIRED
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
RM	ROOM
RVI	ROOF VENT INTAKE
RVR	ROOF VENT RELIEF
S	SUPPLY
SA	SUPPLY AIR
S.O.	SCREENED OPENING
SS	STAINLESS STEEL
TEMP	TEMPERATURE
TD	TRANSFER DUCT
TG	TRANSFER GRILLE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
V	VOLTS, VOLTAGE, VENT
WC	WATER COLUMN
WCO	WALL CLEAN OUT
WL	WALL LOUVER
W	WASTE
WA	WATT
WB	WET BULB
WTG	WALL TRANSFER GRILLE
W/	WITH
ZD	ZONE DAMPER

NOTE: FOR DESCRIPTION OF OTHER ABBREVIATIONS SEE SYMBOL LISTING TO THE LEFT, EQUIPMENT/ITEMS SCHEDULES, AND ABBREVIATIONS LISTED IN SPECIFICATIONS

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SIGNED
03-14-2022

CATH LAB #1 EQUIPMENT UPGRADE

Multicare Good Samaritan Hospital

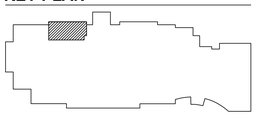
401 15th Ave, SE, Puyallup WA 98372

ISSUE DATE: 03.14.22

REVISIONS:

PERMIT SET

KEY PLAN



MECHANICAL LEGEND & NOTES

M0.01

PERMIT SET 03-14-22

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general@hultzbhu.com Job Number: 21-054

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. EXIST. 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 EXIST. 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 PROTECTIONS 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 EXIST. 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 EXIST. BRANCH DUCTS ARE REMOVED, PROVIDE SHEET METAL PATCH WITH INSULATION AT UNUSED CONNECTION (INSULATION REQUIRED ON SUPPLY AIR DUCTS ONLY).
10. WHERE EXIST. PLUMBING FIXTURES ARE REMOVED, CAP OFF CW, HW, VENT & WASTE PIPING AT A CONCEALED LOCATION (I.E. ABOVE CEILING OR INSIDE WALL).
11. WHEREVER FLOOR DRAINS ARE REMOVED, LOCATE AND REMOVE TRAP PRIMER THAT SERVED DRAIN(S) AND CAP OFF CW PIPING.
12. PROVIDE TEMPORARY CAP-OFF OF ALL EXIST. SYSTEMS TO ALLOW CONTINUED USE OF ALL SYSTEMS UNTIL THE FINAL SYSTEM COMPONENTS ARE INSTALLED AND CONNECTED (INCLUDE HWS/HWR, STEAM, CW, HW, FIRE SPRINKLER, WASTE, VENT, CONTROLS, DUCTWORK, ETC.).
13. 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.
14. 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.
15. 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.
16. PROVIDE CAP-OFF OF ALL EXISTING UTILITIES THAT ARE CUT OR SERVED DEMO'D ITEMS. SYSTEMS TO BE CAPPED OFF INCLUDE HW, CW, WASTE, VENT, HWS, HWR, RL, HWC, SA DUCTS, RA DUCTS, AND EXHAUST DUCTS. ALL CAP-OFFS SHALL OCCUR IN A CONCEALED LOCATION.
17. SEE PLUMBING AND HVAC FLOOR PLANS FOR RECONNECTION OF NEW PIPING AND DUCTWORK.

MECHANICAL GENERAL NOTES

MECHANICAL GENERAL NOTES

1. ALL WORK IS BASE BID UNLESS SPECIFICALLY NOTED AS ALTERNATE BID WORK.
2. MECHANICAL WORK IS NOT LIMITED TO MECHANICAL DRAWINGS AND DIVISION 20, 21, 22, 23, AND 25 SPECIFICATIONS. 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.
3. ALL ITEMS ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING.
4. MECHANICAL EQUIPMENT 1/2 HP AND LESS SHALL HAVE ANY REQUIRED STARTER/CONTROL RELAY PROVIDED BY DIVISION 25 (EXCEPT WHERE SPECIFICALLY SHOWN OR SPECIFIED OTHERWISE).
5. SEE ARCHITECTURAL / STRUCTURAL DRAWINGS FOR BUILDING SEISMIC & EXPANSION JOINTS. PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING & DUCT SYSTEMS WHICH CROSS SUCH JOINTS, SIZED/CONFIGURED TO ACCOMMODATE SPECIFIED MOVEMENT (SEE SPECIFICATIONS) IN ANY DIRECTION W/O PERMANENT DAMAGE. SUBMIT DETAILS OF FLEXIBLE CONNECTIONS & LOCATIONS.

PLUMBING GENERAL NOTES

1. FIXTURE LOCATIONS: VERIFY LOCATION OF PLUMBING FIXTURES WITH ARCHITECTURAL / STRUCTURAL DRAWINGS BEFORE BEGINNING WORK. ARCHITECTURAL / STRUCTURAL DRAWINGS GOVERN. PLUMBING FIXTURE HEIGHTS SHALL BE AS SHOWN ON ARCHITECTURAL / STRUCTURAL DRAWINGS.
2. TRAP PRIMERS: ALL FLOOR DRAINS, FUNNEL DRAINS, AND FLOOR RECEPTORS SHALL HAVE TRAP PRIMERS. SOME DRAINS HAVE THE TRAP PRIMER LINE AND ASSOCIATED TRAP PRIMER VALVE SHOWN ON THE PLANS SOME LOCATIONS DO NOT. LOCATIONS WHERE THIS TRAP PRIMER PIPING AND VALVE ARE NOT SHOWN STILL REQUIRE A TRAP PRIMER, BUT THE LOCATION MAY BE SELECTED BY THE CONTRACTOR. SEE DETAIL 8 SHEET M3.4.
3. CLEANOUTS: PROVIDE CLEANOUTS AS REQUIRED BY CODE; USE FLOOR CLEANOUTS WHERE POSSIBLE. SEE DETAIL 2 SHEET M3.4 FOR SCO AND DETAIL 3 SHEET M3.4 FOR FCO.
4. PIPE ROUTING: ALL PIPING SHOWN IS SCHEMATIC, CONTRACTOR SHALL PROVIDE ALL OFFSETS/ELBOWS AS REQ'D TO ALLOW ROUTING AROUND STRUCTURE, ELECTRICAL, & OTHER INTERFERENCES. ALL PIPING SHALL BE RUN CONCEALED, UNO. THERE ARE PIPE RACKS PROVIDED, AND THEY SHALL BE USED FOR PIPE ROUTING ACROSS THE PLANT, REFERENCE STRUCTURAL DRAWINGS.
5. PIPE SIZES: 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.
6. ALL PLUMBING VENTS THRU ROOF SHALL BE MINIMUM 2' FROM ROOF CRICKET PEAK OR ROOF VALLEY. ADJUST PIPING AS NECESSARY.
7. CONDENSATE DRAINS: PROVIDE PRIMARY CONDENSATE DRAINS FOR UNITS GENERATING CONDENSATE IN ACCORDANCE WITH CODE REQUIREMENTS & AS SHOWN ON DRAWINGS.

HVAC GENERAL NOTES

1. FOR TRANSFER DUCT DETAIL SEE DETAIL 16 SHEET M4.6. ALL TRANSFER DUCTS SHALL BE INTERNALLY LINED.
2. 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.
3. 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.
4. ALL DUCTWORK SHOWN IS SCHEMATIC, CONTRACTOR SHALL PROVIDE ALL OFFSETS/ELBOWS AS REQ'D TO ALLOW ROUTING AROUND STRUCTURE, ELECTRICAL, & OTHER INTERFERENCES.
5. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 8 FEET, AND MAY ONLY BE USED WHERE SPECIFICALLY SHOWN ON THE PLANS.
6. SUPPORT EXHAUST FANS FROM ROOF/CEILING VIA SPRING ISOLATORS. SEE DETAIL 2 SHEET M4.5.
7. 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.
8. 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 0.08"/100' P.D.	

9. VERIFY LOCATIONS OF ITEMS INSTALLED IN CEILINGS WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO BEGINNING WORK. NOTIFY ARCHITECT/ENGINEER OF DISCREPANCIES.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE & SELECT FINAL LOCATIONS OF ALL AIR INLETS/OUTLETS. SHIFT AIR INLETS/ OUTLETS FROM LOCATIONS SHOWN AS REQ'D TO AVOID CONFLICTS W/ STRUCTURE, LIGHTS, & OTHER ITEMS. SUCH SHIFTS SHALL MAINTAIN SYMMETRY OF AIR TERMINALS & SHALL HAVE PRIOR APPROVAL OF ARCHITECT/ENGINEER.
11. HEIGHTS GIVEN TO WALL INLETS & OUTLETS & WALL LOUVERS (& SIMILAR ITEMS) ARE TO BOTTOM OF OPENING. PRIOR TO ORDERING MATERIALS, CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL HEIGHTS BY PERFORMING FIELD REVIEWS.
12. LOCATE MOTORIZED DAMPERS TO BE ACCESSIBLE.
13. VERIFY ALL LOUVER LOCATIONS & SIZES WITH ARCHITECTURAL DRAWINGS. ARCHITECTURAL DRAWINGS GOVERN.
14. AC UNIT LOCATIONS FOR ALL AREAS ARE PRELIMINARY. CONTRACTOR SHALL INCLUDE IN HIS BID ADDED PIPING, CONTROL CONNECTIONS, AND ALL OTHER WORK TO ALLOW RELOCATION OF UNITS TO ANY WALL IN THE ROOMS SERVED. LOCATION TO BE CONFIRMED AT TIME OF SUBMITTALS.
15. ALL ROOFTOP MECHANICAL EQUIPMENT SHALL BE INSTALLED MINIMUM 15' FROM ANY ROOF EDGE. REVISE LOCATION AS NECESSARY TO MAINTAIN MINIMUM CLEARANCE.
16. FOR HVAC DUCT FITTINGS/CONNECTIONS OF ELBOWS/TRANSITIONS SEE DETAILS ON SHEETS M4.5 AND M4.6.
17. PROVIDE BALANCING OF HVAC SYSTEM, HYDRONIC SYSTEM, & DOMESTIC HOT WATER RECIRCULATION SYSTEM.
18. CEILING SPACE IS TIGHT IN A NUMBER OF AREAS. IN SUCH AREAS, CEILING AIR INLET/OUTLET CONN'S REQUIRE SIDE INLET PLENUM, SEE DETAIL 1 SHEET M4.5. PROVIDE WHERE REQ'D DUE TO SPACE LIMITATIONS TO PREVENT KINKS IN FLEX DUCT AND ALLOW PROPER CONN.
19. ALL DUCTWORK SHALL BE RUN CONCEALED, UNO.
20. PROVIDE DUCT ACCESS DOORS AT ALL MOTORIZED DAMPERS & BDD'S.
21. WHERE RETURN GRILLE CFM'S ARE NOT INDICATED, BALANCER SHALL CALCULATE & SUBMIT FOR ENGINEER REVIEW. UNIT RA=SA-OA.
22. PROVIDE FLEX CONNECTORS IN DUCT CONNECTIONS TO ALL EQUIPMENT.
23. RESTROOM EXHAUST & TRANSFER GRILLES SHALL BE INSTALLED TO BE INLINE W/ EACH OTHER.
24. VERIFY MOUNTING HEIGHTS OF ALL EXPOSED DUCTWORK & WALL GRILLES/WALL CAPS W/ ARCHITECT PRIOR TO BEGINNING WORK.
25. 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.

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	W	V	CW	HW	REMARKS	MANUFACTURER AND SERIES NO.	
							FIXTURE	FAUCET / VALVE / TRIM
P-11B	FLOOR DRAIN W/ FUNNEL	2"	1-1/2"	-	-			

PLUMBING STOPS: QUARTER TURN BALL VALVE; BRASSCRAFT.
P-TRAPS: 17 GAUGE SEAMLESS CHROME PLATED BRASS, WITH MINIMUM 2-INCH SEAL; SIZE PER UPC.
RISERS: FLEXIBLE BRAIDED STEEL TYPE: RATED FOR 125 PSIG.
PROVIDE ALL ACCESSORIES REQUIRED FOR ADA FIXTURES TO BE CODE COMPLIANT.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

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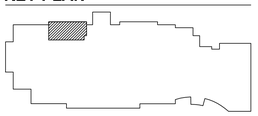
KEY PLAN



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MECHANICAL NOTES & SCHEDULES

M0.02

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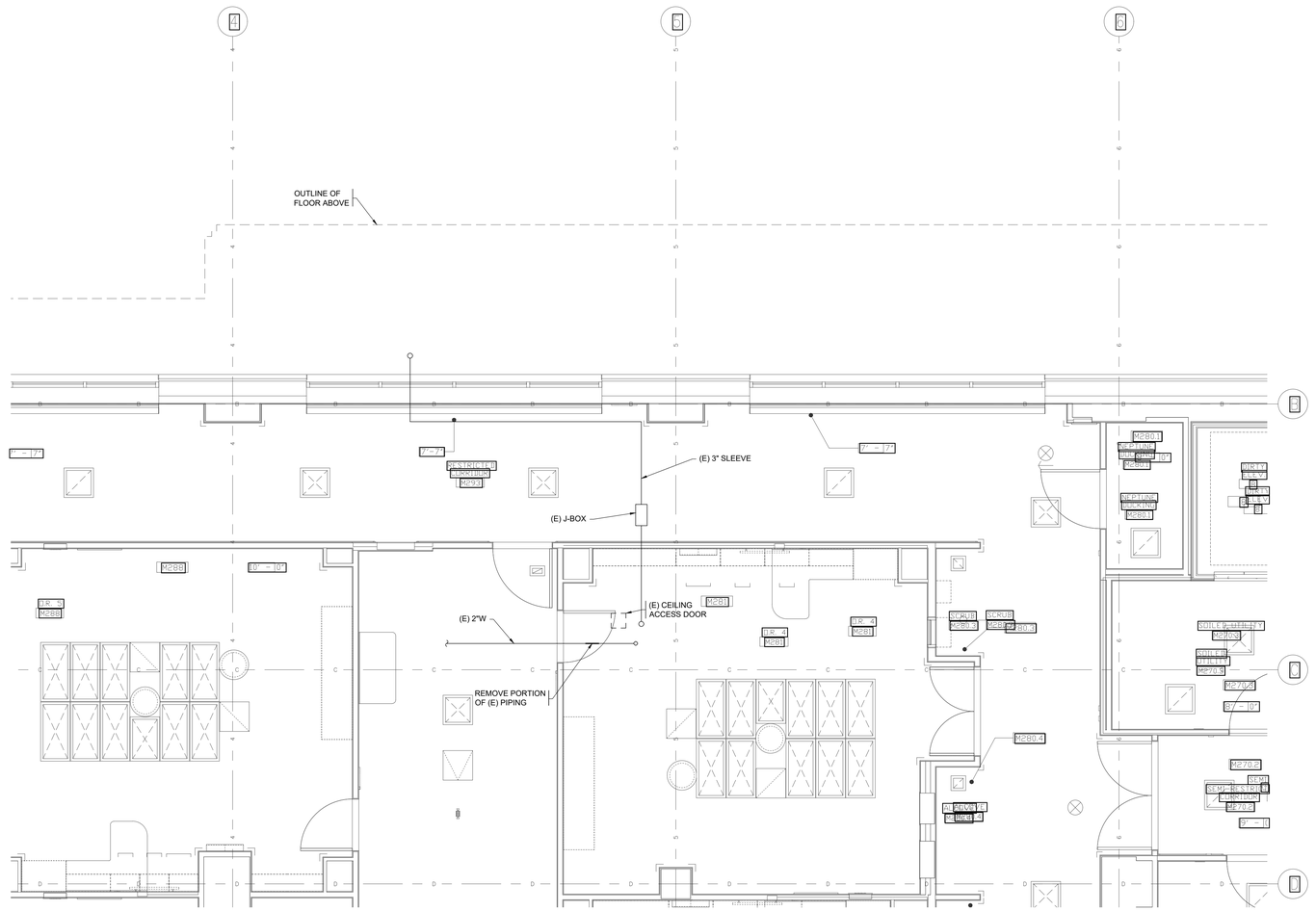
Building	Planning
Engineering	Public Works
Fire	Traffic

GENERAL NOTES:

1. SEE MECHANICAL GENERAL DEMOLITION NOTES SHEET M0.01
2. FIELD VERIFY LOCATIONS OF EXISTING ITEMS PRIOR TO CONSTRUCTION. PLAN LOCATIONS ARE BASED ON OWNER'S AS-BUILT DRAWINGS.
3. NOT ALL KEYED NOTES USED ON EACH SHEET.



1 M3.02 2ND FLOOR PLAN - PLUMBING DEMO
1/4" = 1'-0"

SCALE 1/4" = 1'-0"

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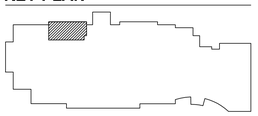

2ND FLOOR PLAN - PLUMBING DEMO

M1.02

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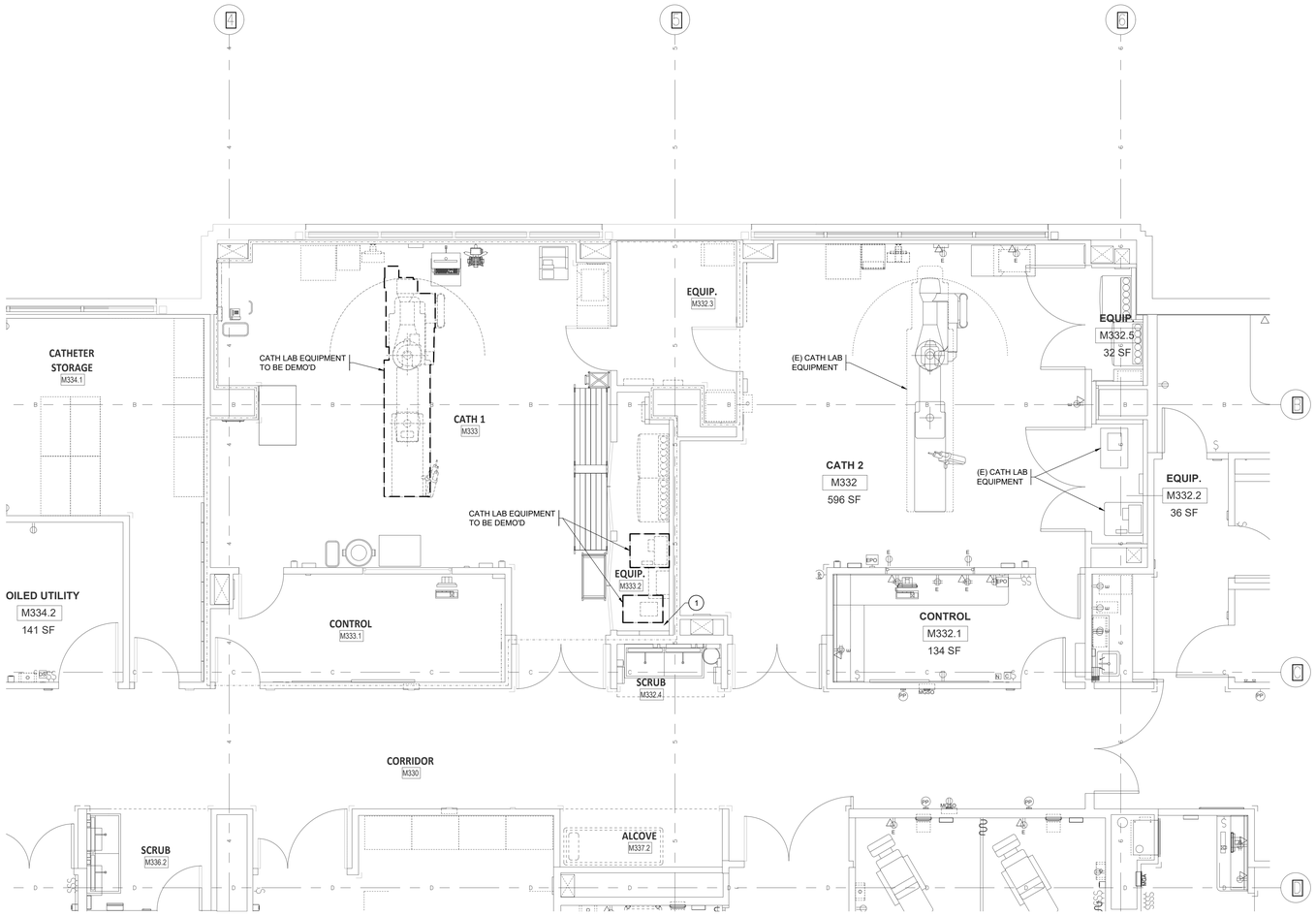
Building	Planning
Engineering	Public Works
Fire	Traffic

GENERAL NOTES:

1. SEE GENERAL NOTES SHEET M0.01
2. FOR PIPING SIZES TO INDIVIDUAL FIXTURES, SEE PLUMBING FIXTURE SCHEDULE ON SHEET M0.02.

KEYED NOTES:

(1) PROVIDE CORE-DRILL OF (E) CONCRETE TO ACCOMMODATE PLUMBING WORK.



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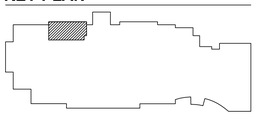

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GENERAL NOTES:

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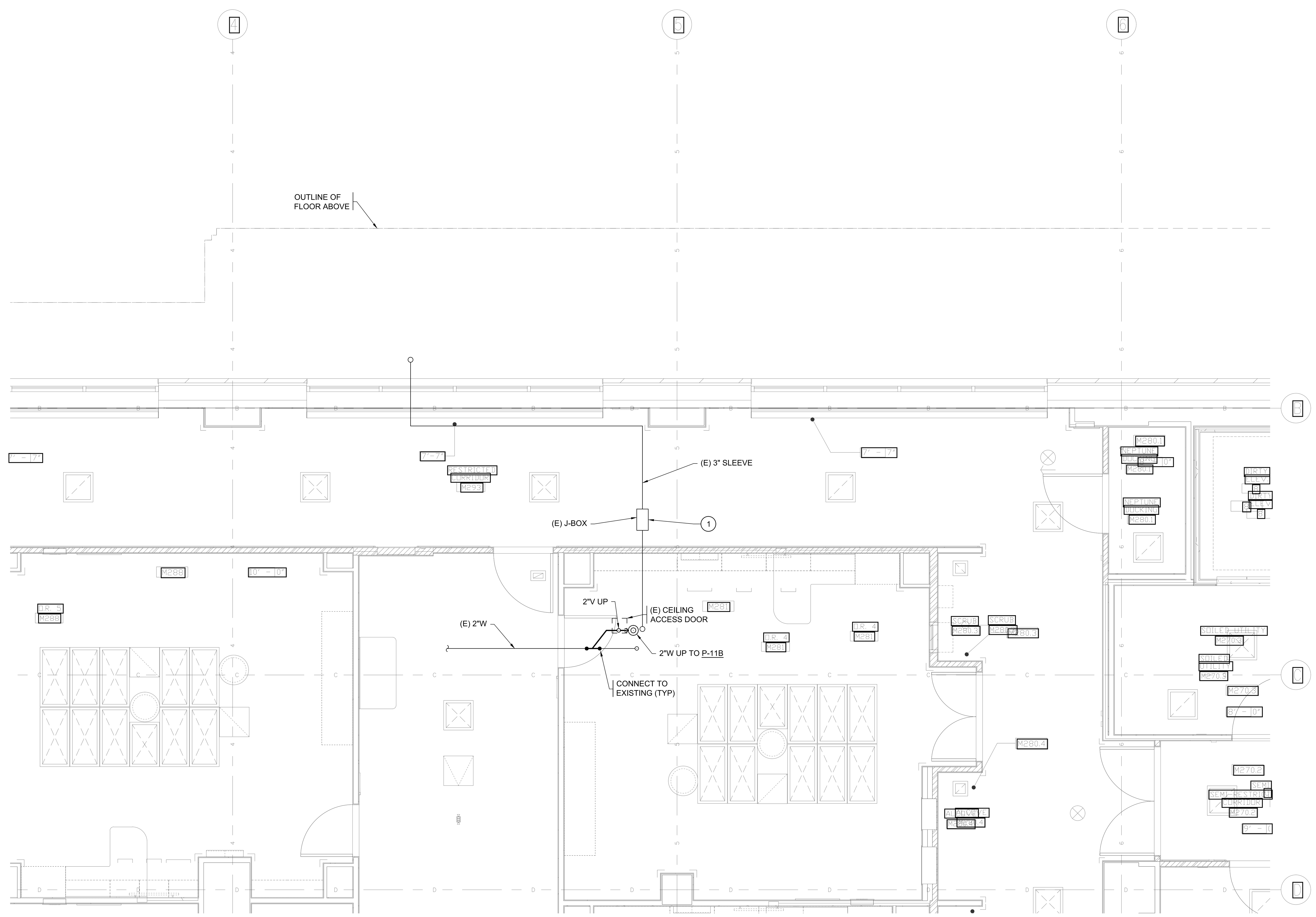
3. NOT ALL KEYED NOTES USED ON EACH SHEET.

KEYED NOTES:

(1) SLEEVE IS FOR ROUTING OF CHILLED WATER TUBING. SUCH PIPING WILL BE PROVIDED BY THE EQUIPMENT SUPPLIER.

(2) CHILLER IS SUPPLIED AS PART OF GE EQUIPMENT PACKAGE. EQUIPMENT SUPPLIER SHALL PROVIDE CHILLED WATER TUBING FROM CHILLER, DOWN TO (E) 3" SLEEVE IN CEILING SPACE BELOW, AND UP TO EQUIPMENT.

(3) CONNECT 2"V AND 1/2"CW TO NEAREST PIPING IN CEILING. FIELD VERIFY LOCATION.



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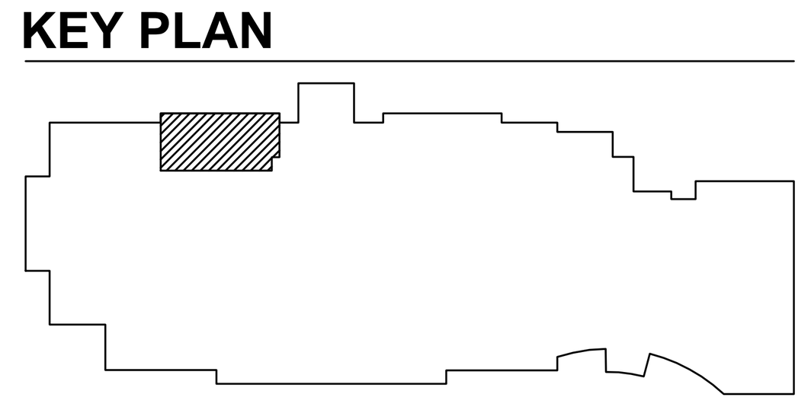

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2ND FLOOR PLAN - PLUMBING

M3.02

City of Puyallup
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Building	Planning
Engineering	Public Works
Fire	Traffic

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3. NOT ALL KEYED NOTES USED ON EACH SHEET.

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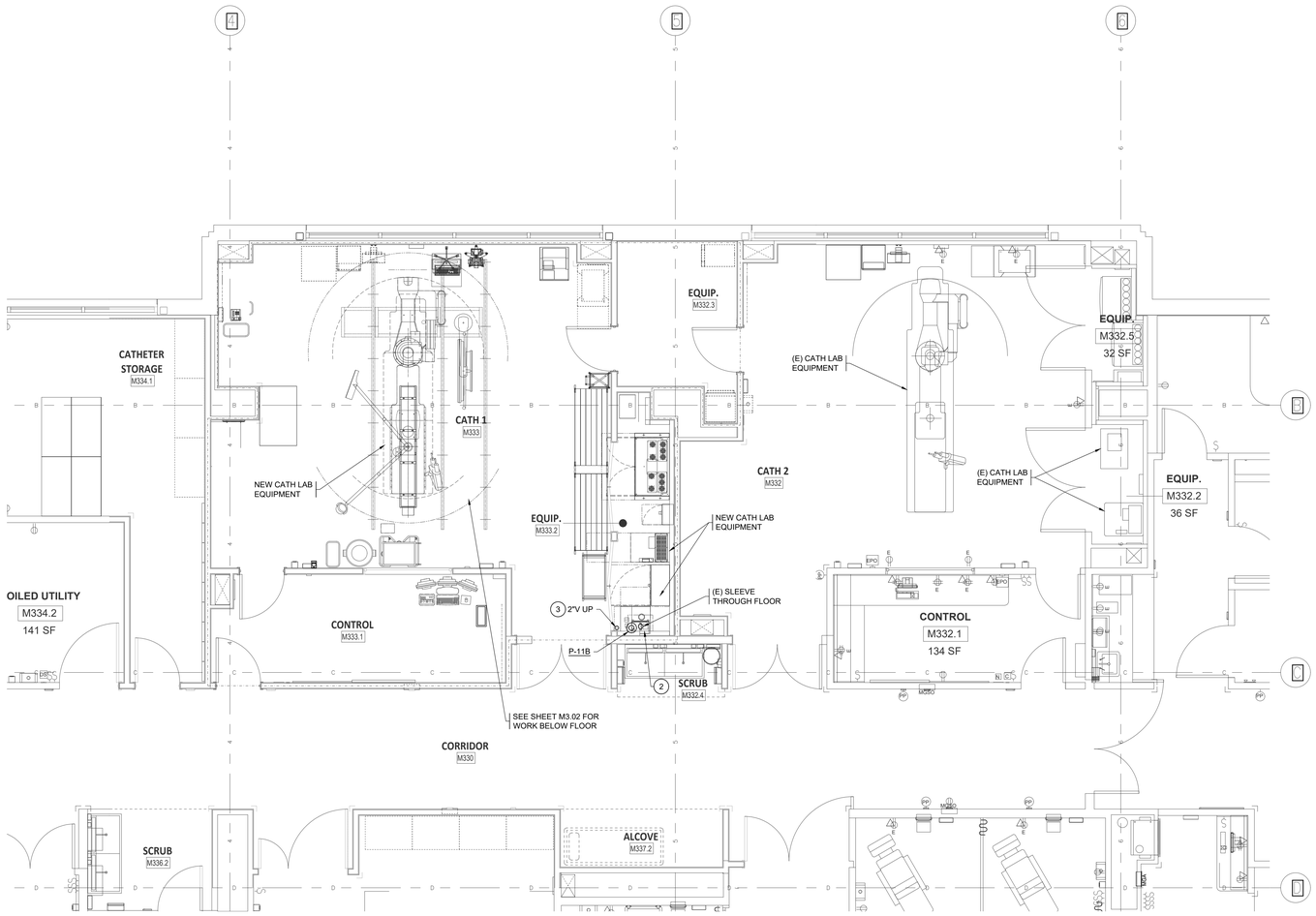

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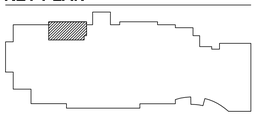

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City of Puyallup
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Building	Planning
Engineering	Public Works
Fire	Traffic

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
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

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

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
(XXX)	FIXTURE SYMBOL
(#)	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)

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.

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.
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 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.
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.

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

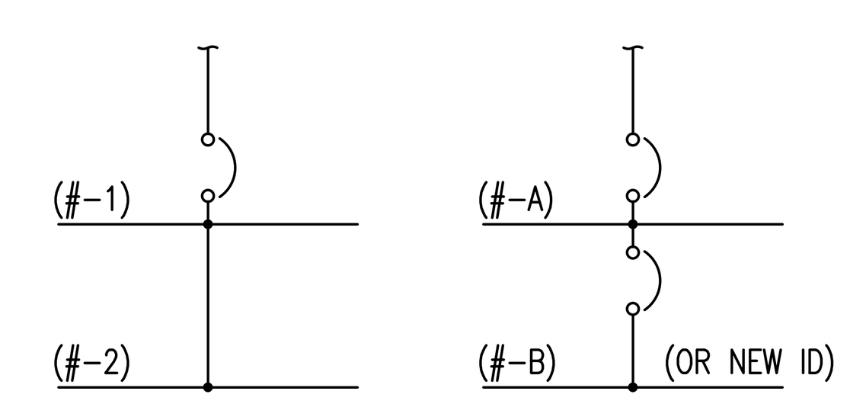
2 **EQUIPMENT NOMENCLATURE KEY**

NOTE 1

B3/PNL/2E2/13.0D.3 (2WZD) — 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

Sheet List Table	
Sheet Number	Sheet Title
E0.01	LEGEND, NOTES & ABBREVIATIONS
E1.01	3RD FLOOR DEMO PLAN
E3.01	3RD FLOOR PLAN
E3.02	ENLARGED FLOOR PLANS
E5.00	ONE-LINE DIAGRAM – ABOVE 1000V
E5.02	DALLY TOWER ONE-LINE DIAGRAM – EMERGENCY GENERATOR
E5.13	DALLY TOWER ONE-LINE DIAGRAM – NORMAL
E5.14	DALLY TOWER ONE-LINE DIAGRAM – LIFE SAFETY & EQUIPMENT
E5.20	FEEDER SCHEDULES

CLARK KJOS ARCHITECTS, LLC
621 SW Alder St., Suite 700
Portland, OR 97205
Phone: 503/224-4848

THOMAS C. URQUHART
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
SIGNED 03-04-2022

CATH LAB #1 EQUIPMENT UPGRADE
Multicare Good Samaritan Hospital
401 15th Ave. SE, Puyallup WA 98372

ISSUE DATE: 3.14.2022
REVISIONS:

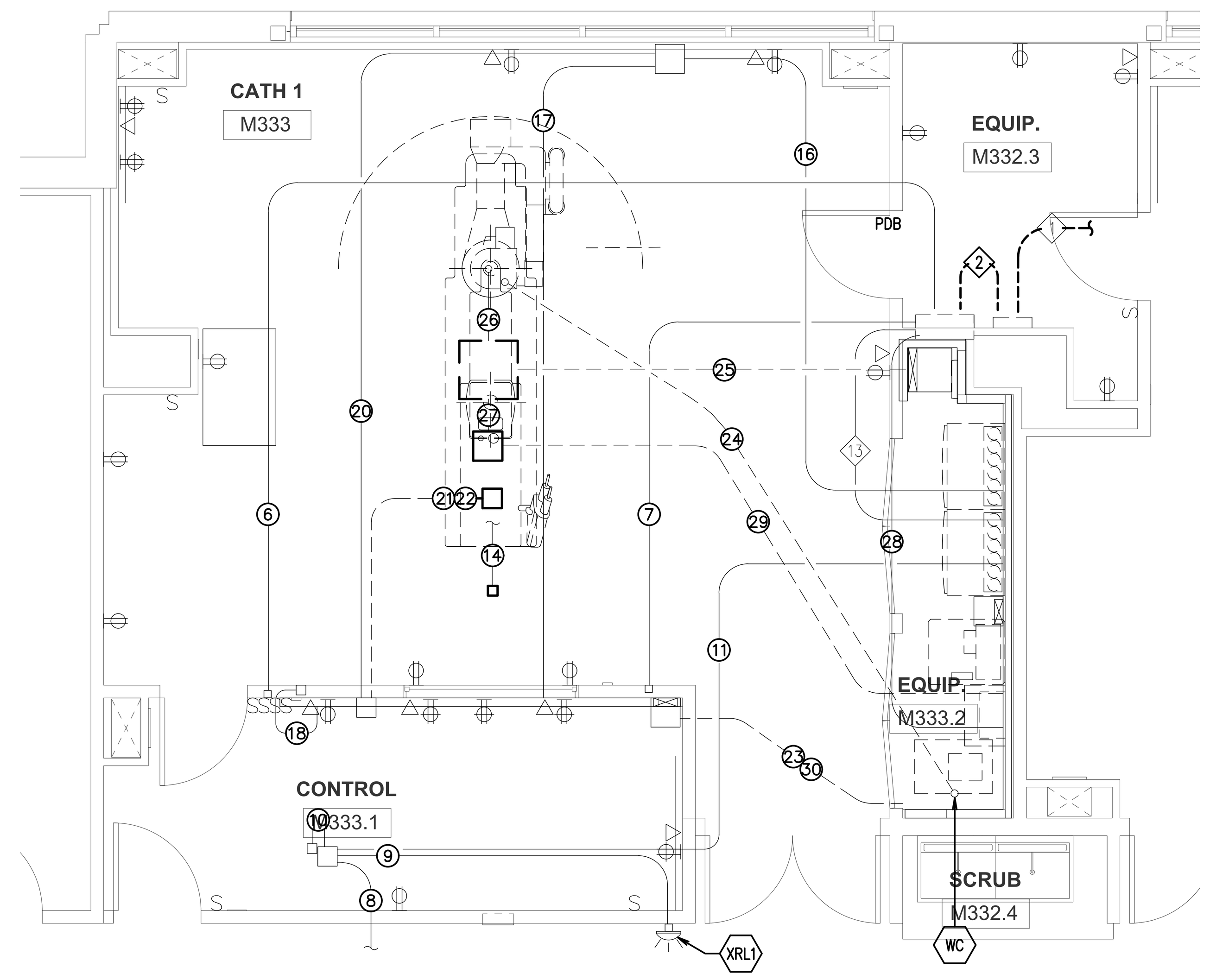
PERMIT SET

LEGEND, NOTES & ABBREVIATIONS

E0.01

PROJECT NO.: 21015

PLOTTED: Mar 07, 2022 - 11:50am PLOTTED BY: BrockN
DWG PATH: I:\2021 jobs\21-054\Acad\Elec\21-054 E001 LEGEND NOTES.dwg



3RD FLOOR DEMO PLAN

NORTH

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

0' 1' 2' 4' 8'

CONTRACTOR SUPPLIED AND INSTALLED WIRING					
ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS					
CONDUIT			MINIMUM CONDUIT SIZE	WIRE SIZE	SPECIAL REQUIREMENTS
RUN No.	FROM	TO			
1	3-PHASE	PDB1	2"	4#1/0,1#2G	PANEL 4E3PCTA-1,3,5
2	PDB1	PDB	2"	4#1/0,1#2G	
3	-	-	-	-	NOT USED
4	-	-	-	-	NOT USED
5	-	-	-	-	NOT USED
6	PDB	RDS1	1/2"	4#14,1#14G	
7	PDB	RDS2	1/2"	4#14,1#14G	
8	120V	XRLC	1/2"	2#12,1#12G	PANEL 2E3PCTB-3
9	XRL1	XRLC	1/2"	2#12,1#12G	
10	RML1	XRLC	1/2"	2#14,1#14G	
11	XRLC	C2	1/2"	4#14,1#14G	
12	-	-	-	-	NOT USED
13	PDB	C2	3/4"	3#8,1#8G	
14	120V	LMP	3/4"	2#12,1#12G	PANEL 2E3PCTB-3
15	-	-	-	-	NOT USED
16	XBM1	C1	(2) 2 1/2"		
17	XBM1	XBC1	2 1/2"		
18	XRB	120 VOLT IN CONTROL AREA	3/4"		
19	-	-	-	-	NOT USED
20	IVUS	XBM1	3"		
21	IVUS	JB7	3"		PC TO TRAM
22	IVUS	JB7	3"		IVUS TO TRAM
23	JB3	JB6	(1) 3 1/2" & (2) 2 1/2"		
24	WC	LC1	3"		FOR WATER LINES
25	JB1	JB2	(4) 4"		
26	JB1	LC1	6"		
27	LUS	JB1	(1) 2" & (1) 4"		
28	PDB	IE	2 1/2"		
29	IE	LUS	2 1/2"		FOR CABLES IE TO IH
30	JB3	JB6	2 1/2"		FOR CABLES IE TO IEC

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CATH LAB #1 EQUIPMENT UPGRADE

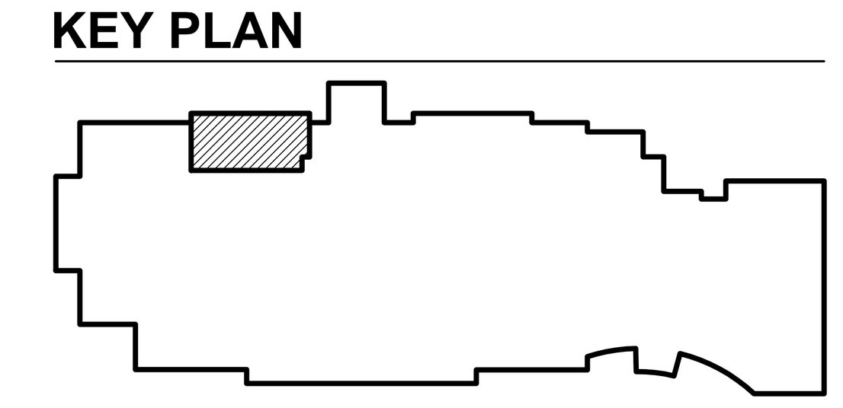
Multicare Good Samaritan Hospital

401 15th Ave. SE, Puyallup WA 98372

ISSUE DATE: 3.14.2022

REVISIONS:

KEY PLAN



PERMIT SET

3RD FLOOR DEMO PLAN

E1.01

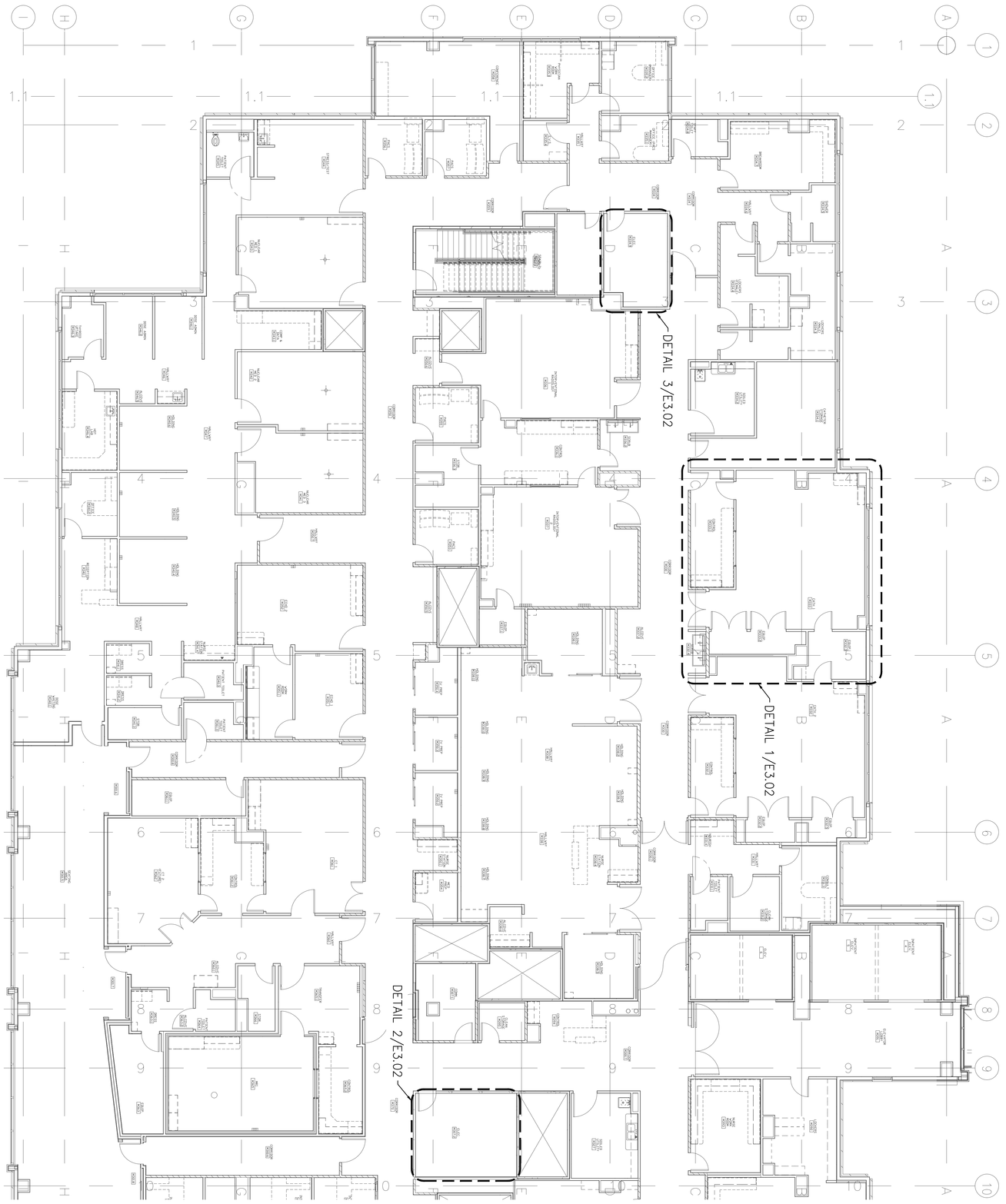
PROJECT NO.: 21015

PLOTTED: Mar 07, 2022 - 11:50am PLOTTED BY: BrockN
DWG PATH: I:\2021 jobs\21-054\Acad\Elec\21-054 E101 DEMO PLAN.dwg

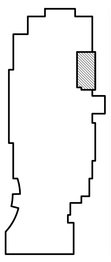
PLOTTED: Mar 07, 2022 - 8:56am PLOTTED BY: Brook
DWG PATH: I:\2020 Jobs\21-054\Acad\Elec\21-054 ESX 3RD FLOOR PLAN.dwg

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning	Fire	Traffic
Engineering	Public Works		



KEY PLAN



E3.01

3RD FLOOR PLAN

PERMIT SET

PROJECT NO.: 21015

ISSUE DATE: 3.14.2022
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CATH LAB #1 EQUIPMENT UPGRADE

Multicare Good Samaritan Hospital

401 15th Ave. SE, Puyallup WA 98372

THOMAS UPCHURCH — STATE OF WASHINGTON — PROFESSIONAL ENGINEER
SIGNED
03-04-2022

CLARK KJOS ARCHITECTS, LLC

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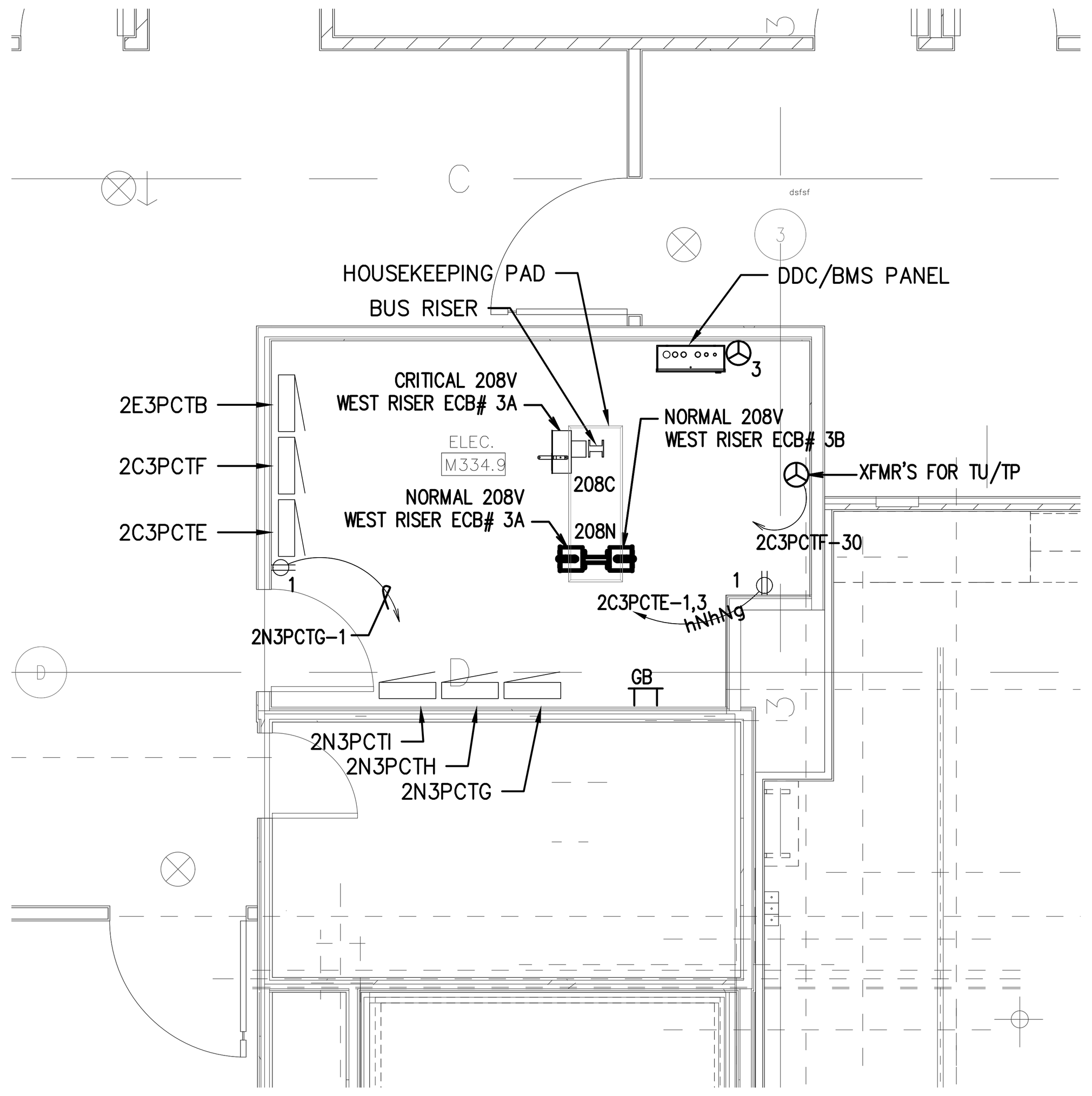
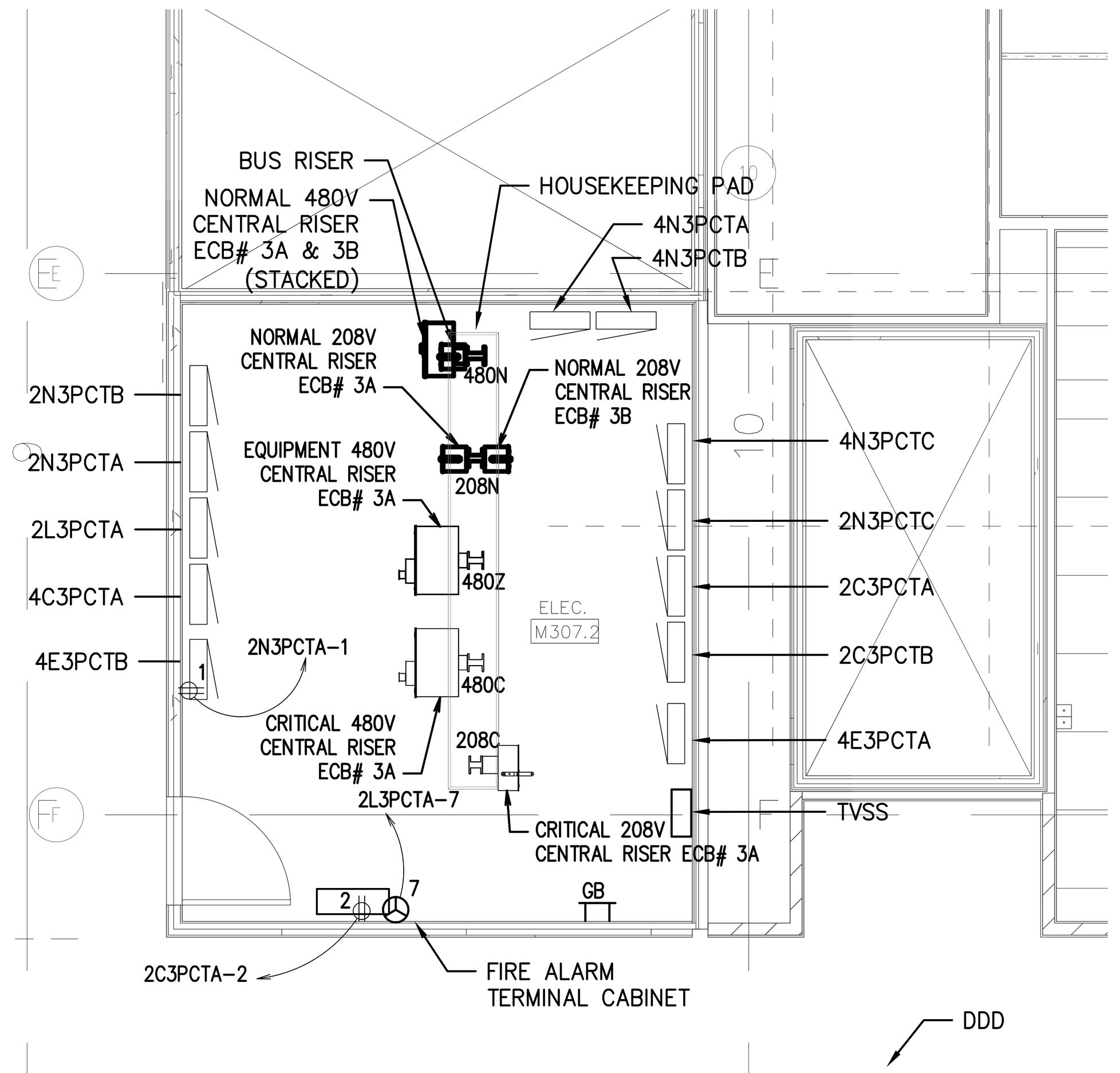


3RD FLOOR WEST ELECTRICAL ROOM

NORTH

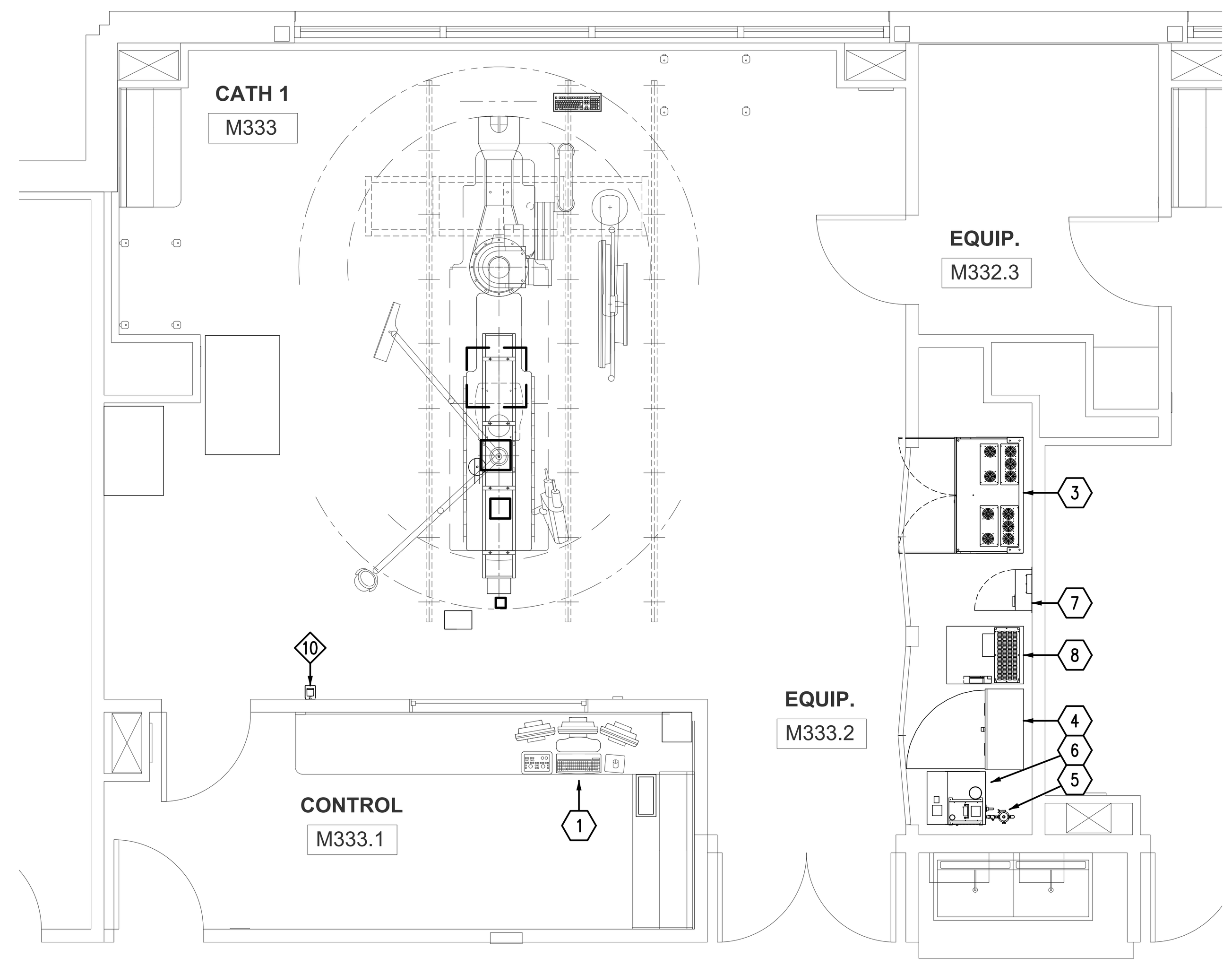
SCALE: 1/4" = 1'-0"



3RD FLOOR CENTER ELECTRICAL ROOM

NORTH

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



3RD FLOOR ELECTRICAL PLAN

NORTH

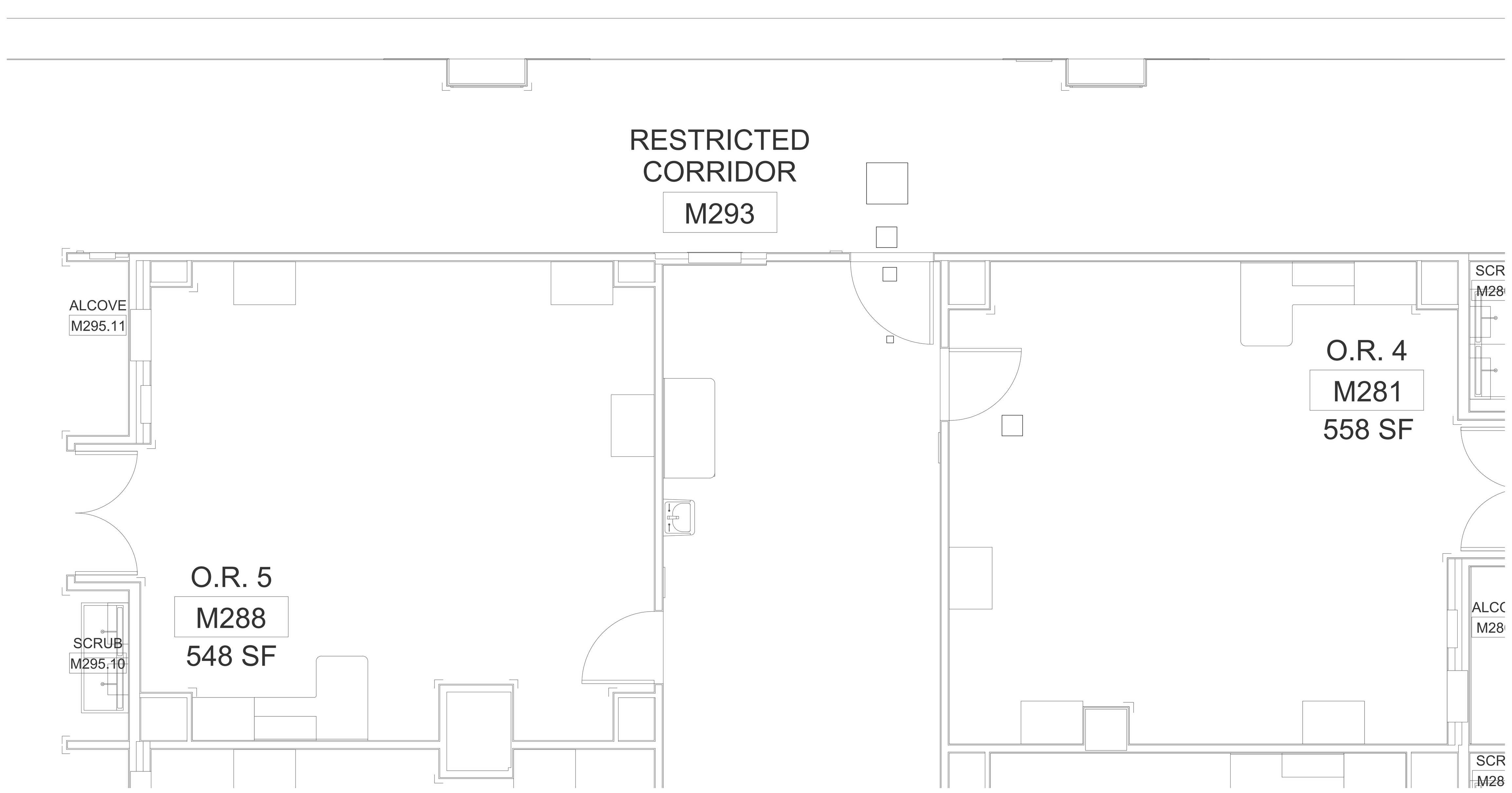
SCALE: 1/4" = 1'-0"

0' 1' 2' 4' 8'

CONTRACTOR SUPPLIED AND INSTALLED WIRING

ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS

CONDUIT			MINIMUM CONDUIT SIZE	WIRE SIZE	SPECIAL REQUIREMENTS
RUN No.	FROM	TO			
1	3-PHASE	PDB1	2"	4#1/0,1#2G	PANEL 4E3PCTA-1,3,5
2	PDB1	PDB	2"	4#1/0,1#2G	
3	-	-	-	-	NOT USED
4	-	-	-	-	NOT USED
5	-	-	-	-	NOT USED
6	PDB	RDS1	1/2"	4#14,1#14G	
7	PDB	RDS2	1/2"	4#14,1#14G	
8	120V	XRLC	1/2"	2#12,1#12G	PANEL 2E3PCTB-3
9	XRL1	XRLC	1/2"	2#12,1#12G	
10	RML1	XRLC	1/2"	2#14,1#14G	
11	XRLC	C2	1/2"	4#14,1#14G	
12	-	-	-	-	NOT USED
13	PDB	C2	3/4"	3#8,1#8G	
14	120V	LMP	3/4"	2#12,1#12G	PANEL 2E3PCTB-3
15	-	-	-	-	NOT USED
16	WBM1	C1	(2) 2 1/2"		
17	WBM1	WBC1	2 1/2"		
18	XRB	120 VOLT IN CONTROL AREA	3/4"		
19	-	-	-	-	NOT USED
20	IVUS	WBM1	3"		
21	IVUS	JB7	3"		PC TO TRAM
22	IVUS	JB7	3"		IVUS TO TRAM
23	JB3	JB5	(1) 3 1/2" & (2) 2 1/2"		
24	WC	LC1	3"		FOR WATER LINES
25	JB1	JB2	(4) 4"		
26	JB1	LC1	6"		
27	LU5	JB1	(1) 2" & (1) 4"		
28	PDB	IE	2 1/2"		
29	IE	LU5	2 1/2"		FOR CABLES IE TO IH
30	JB3	JB5	2 1/2"		FOR CABLES IE TO IEC



2ND FLOOR ELECTRICAL PLAN

NORTH

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

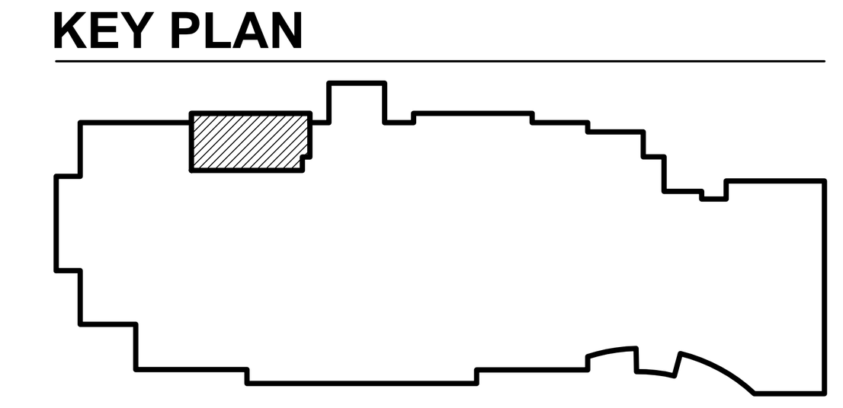
0' 1' 2' 4' 8'

PLOTTED: Mar 07, 2022 - 11:51am PLOTTED BY: BrockN
DWG PATH: I:\2021 jobs\21-054\Acad\Elec\21-054 E302 ENLARGED PLANS.dwg

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

KEY PLAN



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SIGNED
03-04-2022

CATH LAB #1 EQUIPMENT UPGRADE

Multicare Good Samaritan Hospital

401 15th Ave. SE, Puyallup WA 98372

ISSUE DATE: 3.14.2022

REVISIONS:

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ENLARGED FLOOR PLANS

E3.02

PROJECT NO.: 21015

FEEDER SCHEDULE – ABOVE 1000V

PLAN MARK	CONDUIT SIZE	CONDUCTORS	600V GROUNDED NEUTRAL	600V GROUND	AMPACITY	REMARKS
A		3 #4/0 15kV MV–105	#4/0		315	
B		3 #1/0 15kV MV–105	#1/0		215	
C	6"	3 #750 AL 15kV MV–105		#4/0	490	
	6"	SPARE				
D	4"	3 #2 15kV MV–105		#2	165	
	4"	SPARE				
E	4"	3 #250 15kV MV–105		#4/0	345	
F	4"	SPARE				
G	6	SPARE				
H	4"	3 #2 15kV MV–105		#4/0	165	

GENERAL NOTES:

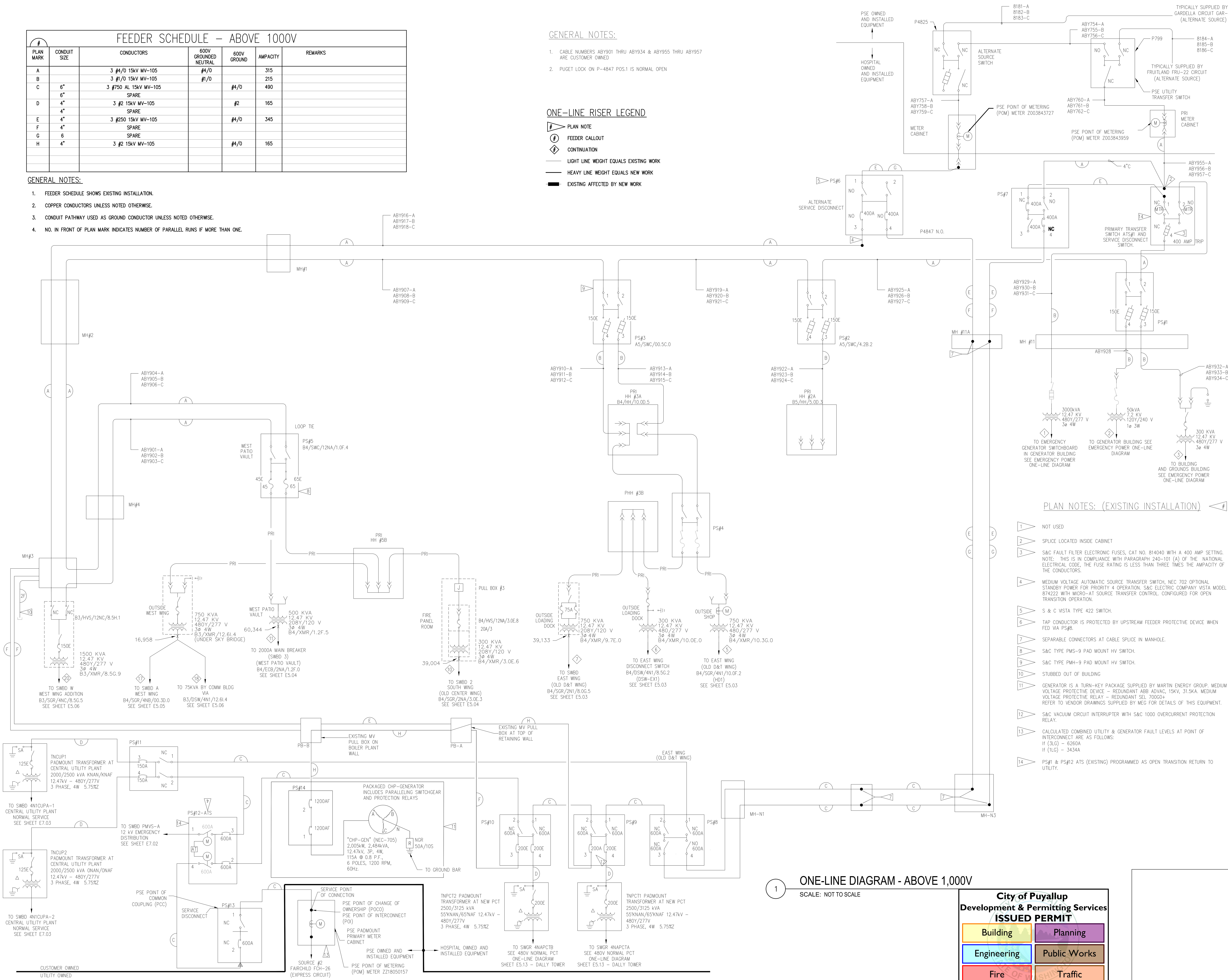
1. FEEDER SCHEDULE SHOWS EXISTING INSTALLATION.
2. COPPER CONDUCTORS UNLESS NOTED OTHERWISE.
3. CONDUIT PATHWAY USED AS GROUND CONDUCTOR UNLESS NOTED OTHERWISE.
4. NO. IN FRONT OF PLAN MARK INDICATES NUMBER OF PARALLEL RUNS IF MORE THAN ONE.

GENERAL NOTES:

1. CABLE NUMBERS ABY901 THRU ABY934 & ABY955 THRU ABY957 ARE CUSTOMER OWNED
2. PUGET LOCK ON P–4847 POS.1 IS NORMAL OPEN

ONE–LINE RISER LEGEND

- # PLAN NOTE
- # FEEDER CALLOUT
- # CONTINUATION
- LIGHT LINE WEIGHT EQUALS EXISTING WORK
- HEAVY LINE WEIGHT EQUALS NEW WORK
- EXISTING AFFECTED BY NEW WORK



PLAN NOTES: (EXISTING INSTALLATION)

1. NOT USED
2. SPLICE LOCATED INSIDE CABINET
3. S&C FAULT FILTER ELECTRONIC FUSES, CAT NO. 814040 WITH A 400 AMP SETTING. NOTE: THIS IS IN COMPLIANCE WITH PARAGRAPH 240–101 (A) OF THE NATIONAL ELECTRICAL CODE, THE FUSE RATING IS LESS THAN THREE TIMES THE AMPACITY OF THE CONDUCTORS.
4. MEDIUM VOLTAGE AUTOMATIC SOURCE TRANSFER SWITCH, NEC 702 OPTIONAL STANDBY POWER FOR PRIORITY 4 OPERATION. S&C ELECTRIC COMPANY VISTA MODEL 874222 WITH MICRO–AT SOURCE TRANSFER CONTROL. CONFIGURED FOR OPEN TRANSITION OPERATION.
5. S & C VISTA TYPE 422 SWITCH.
6. TAP CONDUCTOR IS PROTECTED BY UPSTREAM FEEDER PROTECTIVE DEVICE WHEN FED VIA PS#8.
7. SEPARABLE CONNECTORS AT CABLE SPLICE IN MANHOLE.
8. S&C TYPE PMS–9 PAD MOUNT HV SWITCH.
9. S&C TYPE PMH–9 PAD MOUNT HV SWITCH.
10. STUBBED OUT OF BUILDING
11. GENERATOR IS A TURN–KEY PACKAGE SUPPLIED BY MARTIN ENERGY GROUP. MEDIUM VOLTAGE PROTECTIVE DEVICE – REDUNDANT ABB ADVAC, 15KV, 31.5KA. MEDIUM VOLTAGE PROTECTIVE RELAY – REDUNDANT SEL 700G0+ REFER TO VENDOR DRAWINGS SUPPLIED BY MEG FOR DETAILS OF THIS EQUIPMENT.
12. S&C VACUUM CIRCUIT INTERRUPTER WITH S&C 1000 OVERCURRENT PROTECTION RELAY.
13. CALCULATED COMBINED UTILITY & GENERATOR FAULT LEVELS AT POINT OF INTERCONNECT ARE AS FOLLOWS:
 If (3LG) – 6260A
 If (1LG) – 3434A
14. PS#1 & PS#12 ATS (EXISTING) PROGRAMMED AS OPEN TRANSITION RETURN TO UTILITY.

1 ONE-LINE DIAGRAM - ABOVE 1,000V
SCALE: NOT TO SCALE

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

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SIGNED 03-04-2022

CATH LAB #1 EQUIPMENT UPGRADE
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401 15th Ave. SE, Puyallup WA 98372

ISSUE DATE: 3.14.2022
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ONE-LINE DIAGRAM - ABOVE 1000V

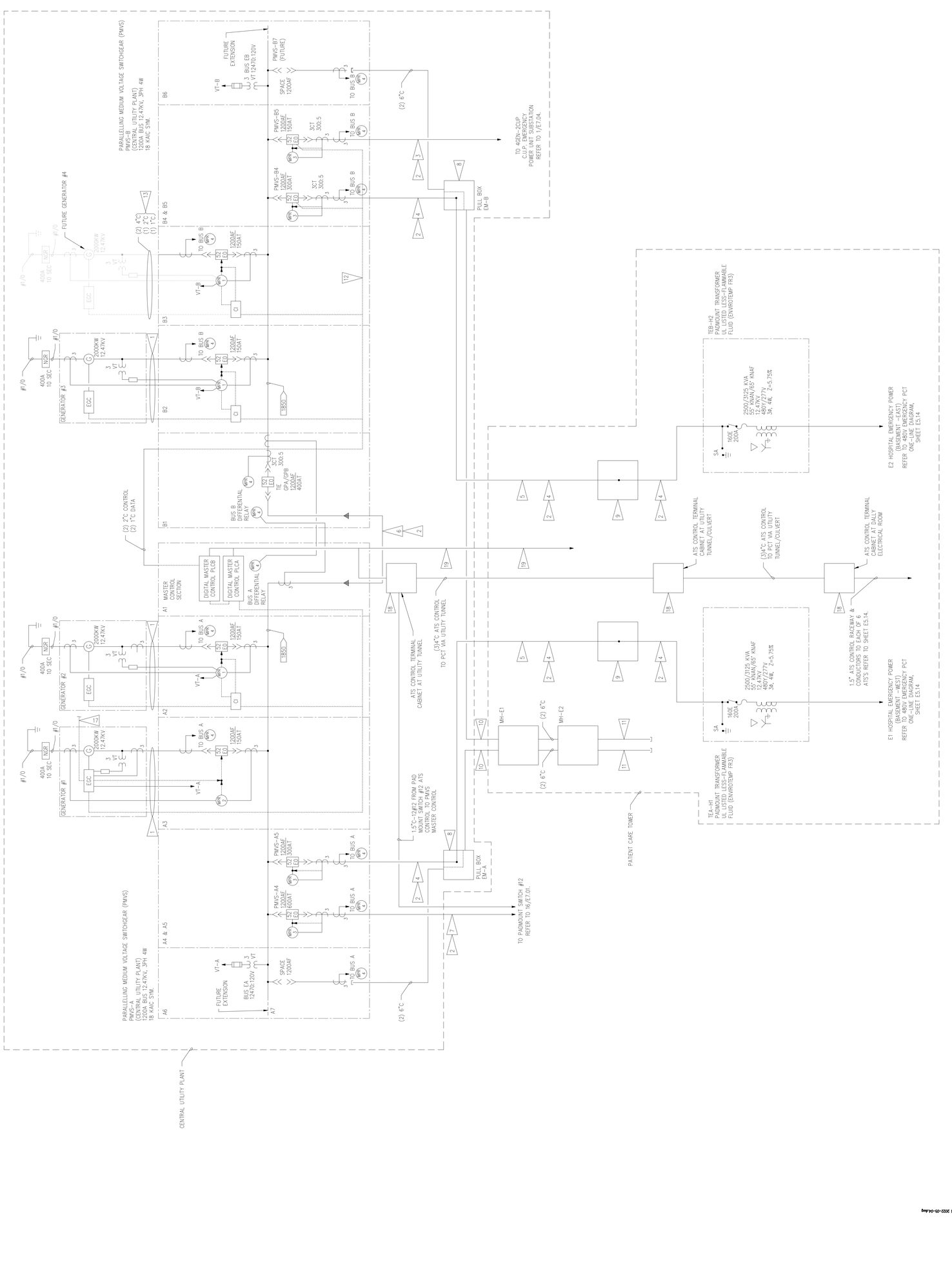
E5.00

PROJECT NO.: 21015

PLOTTED: Mar 07, 2022 - 11:51am PLOTTED BY: BrooN
DWG PATH: I:\2021 jobs\21-054\Acad\Elec\CURRENT GSH ONE-LINE DISTRIBUTION 2022-03-04.dwg

PLAN NOTES:(EXISTING INSTALLATION) ◁#

1. (1) 4"C–3#2 CU 15KV MV–105, 1#2 CU 600V XHHW GROUND (POWER). (1) 4"C SPARE, (1) 2"C FOR CONTROL. (1) 1"C FOR DATA ROUTED WITH GENERATOR POWER FEEDER.
2. SPARE RACEWAY SAME SIZE AS FOR FEEDER, ROUTED WITH THE FEEDER RACEWAY.
3. (1) 4"C–3#2 CU 15KV MV–105, 1#2 CU 600V XHHW GROUND.
4. (1) 6"C–3#4/0 AL 15KV MV–105, 1#4/0 CU 600V XHHW GROUND.
5. FEEDER ROUTED FROM CUP SWITCHGEAR TO PATIENT CARE TOWER VIA UTILITY TUNNEL.
6. SWITCHGEAR TIE FEEDER, (1) 6"C–3#350 KCMIL AL 15KV MV–105, 1#350 KCMIL AL 600V XHHW GROUND, (1) 4"C SPARE.
7. EMERGENCY TO NORMAL FEEDER FOR OPTIONAL SERVICE TO SOUTH 12.47KV NORMAL POWER SYSTEM. (1) 6"C–3#750 KCMIL AL 15KV MV–105, 1#4/0 CU 600V XHHW GROUND.
8. PULL BOX 72"H X 80"W 18"D NEMA 3 WITH HINGED COVERS FOR FEEDER IN UTILITY TUNNEL AT CENTRAL PLANT. BARRIERS IN PULLBOX SEPARATE THE CIRCUITS.
9. PULL BOX FOR 12470 VOLT EMERGENCY FEEDERS TO PCT TRANSFORMERS. PULLBOX LOCATED IN UTILITY TUNNEL AT TUNNEL/CULVERT SWITCH VAULT AREA.
10. (2) 6"C TO SITE VIA UTILITY TUNNEL FOR FUTURE PHASES 12.47KV EMERGENCY POWER SERVICE.
11. (2) 6"C RUN EAST TO NEAR MH–N3 FOR EXTENSION TO FUTURE PHASES 12.47KV EMERGENCY POWER SERVICE.
12. GENERATOR SWITCHGEAR SECTION WITH INTERCONNECTING WIRING, TERMINALS AND CONNECTIONS READY FOR FUTURE GENERATOR OPERATION.
13. CONDUITS TO 5 FEET OUTSIDE NORTH BUILDING FOUNDATION AND CAPPED FOR FUTURE USE.
14. NOT USED.
15. NOT USED.
16. NOT USED.
17. PERMISSIVE PARALLELING EXTENDED TO EACH EGC.
18. TERMINAL CABINET 36"H X 48"W X 12"D NEMA 3 WITH HINGED COVER.
19. 1" ATS CONTROL RACEWAY AND CONDUCTORS VIA UTILITY TUNNEL/CULVERT TO EACH OF 2 FIRE PUMP ATS/CONTROLLERS. REFER TO SHEET 4E7.04.



City of Puyallup
Development & Permitting Services
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ISSUE DATE: 3.14.2022
REVISIONS:

PERMIT SET

DALLY TOWER
ONE-LINE DIAGRAM - EMERGENCY GENERATOR
E5.02
PROJECT NO.: 21015

CATH LAB #1 EQUIPMENT UPGRADE

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

SIGNED
03-04-2022

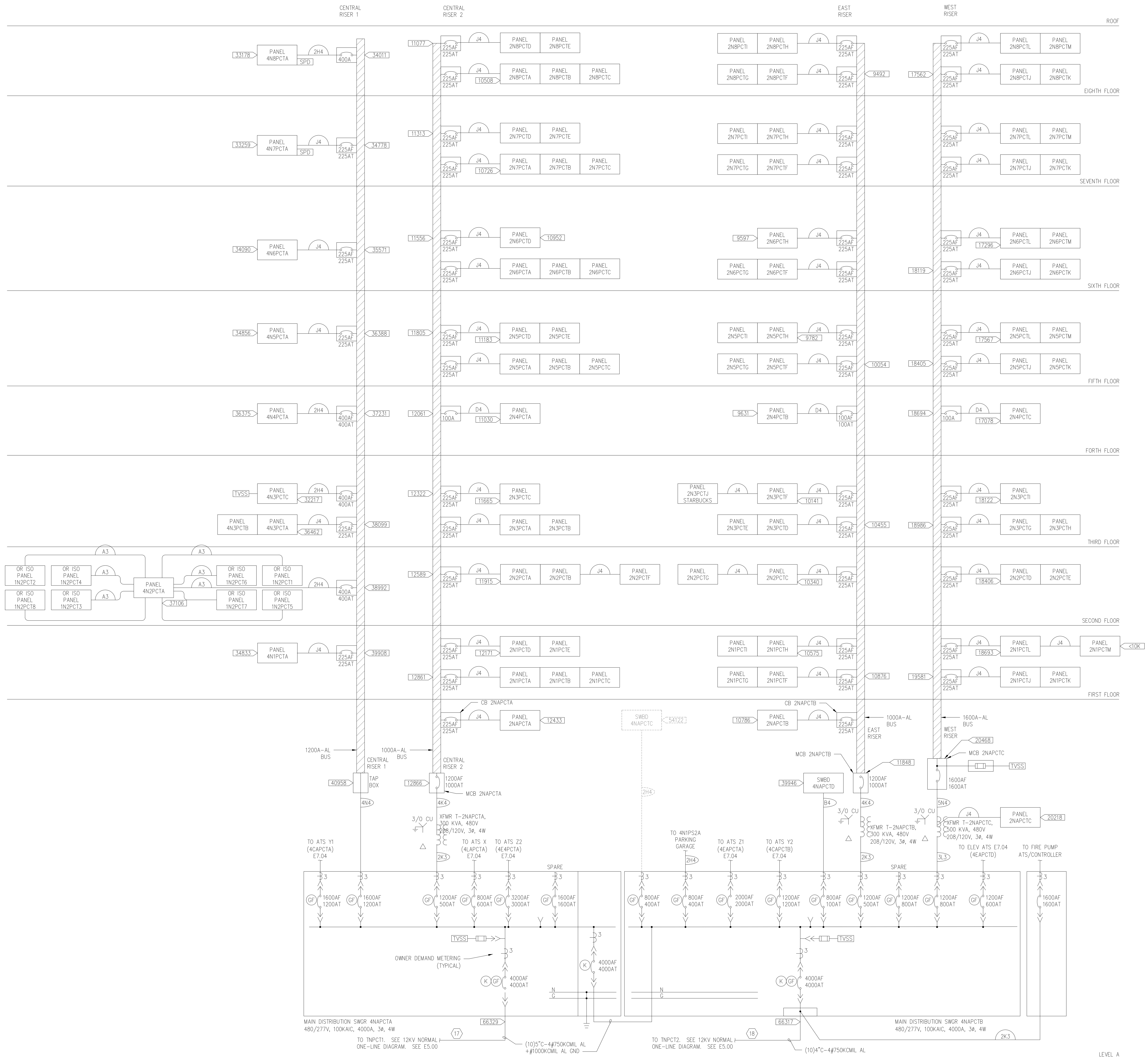
CLARK KJOS ARCHITECTS, LLC
621 SW Alder St. Suite 700
Portland, OR 97205
Phone: 503.224.4848

GENERAL NOTES:

REFER TO SHEET E5.20 FOR FEEDER SCHEDULES.

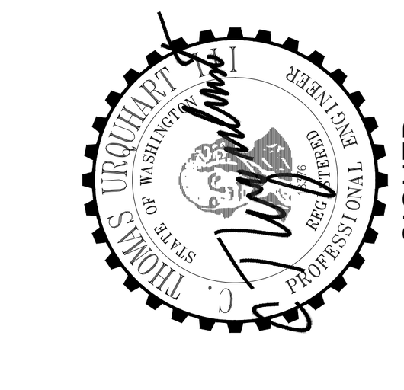
PLAN NOTES:

NOT USED



1 ONE-LINE DIAGRAM - NORMAL
SCALE: NOT TO SCALE

C L A R K // K J O S
A R C H I T E C T S, L L C
621 SW Alder St., Suite 700
Portland, OR 97205
Phone: 503/224-4848



SIGNED
03-04-2022

CATH LAB #1 EQUIPMENT UPGRADE
Multicare Good Samaritan Hospital
401 15th Ave. SE, Puyallup WA 98372

City of Puyallup
Development & Permitting Services
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DALLY TOWER
ONE-LINE DIAGRAM - NORMAL

E5.13

PROJECT NO.: 21015

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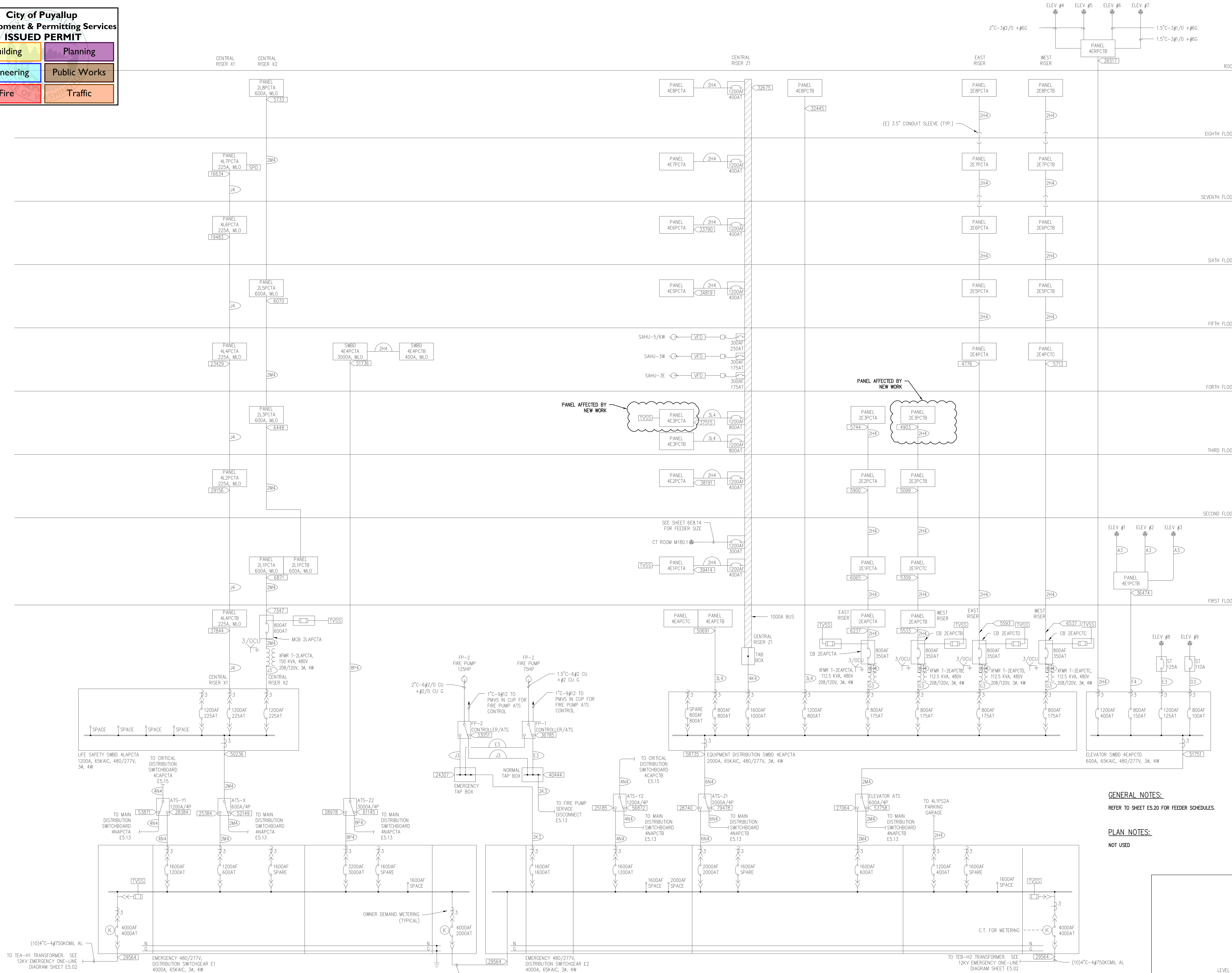

1 ONE-LINE DIAGRAM - ESSENTIAL SYSTEM

SCALE: NOT TO SCALE

GENERAL NOTES:

REFER TO SHEET E5.20 FOR FEEDER SCHEDULES.

PLAN NOTES:

NOT USED

CLARK KJOS ARCHITECTS, LLC
621 SW Alder St., Suite 700
Portland, OR 97205
Phone: 503/224-4848

C. THOMAS URQUHART III STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER
SIGNED 03-04-2022

CATH LAB #1 EQUIPMENT UPGRADE
Multicare Good Samaritan Hospital
401 15th Ave. SE, Puyallup WA 98372

ISSUE DATE: 3.14.2022
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DALLY TOWER
ONE-LINE DIAGRAM - LIFE SAFETY & EQUIPMENT

E5.14

PROJECT NO.: 21015

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NOTES:
1. DOUBLE NEUTRAL

PAVILION FEEDER SCHEDULE – BELOW 1000V OR BELOW

PLAN MARK	# OF SETS	CONDUIT SIZE	CONDUCTORS	GROUND	REMARKS
1	1	3/4"	3 #8		
2	1	1-1/4"	4 #2		
3	1	1-1/4"	3 #2 + 1#4N	1 #8	
4	1	2"	4 #2		
5	1	1-1/4"	4 #1	1 #8	
6	1	1-1/2"	4 #1	1 #6	
7	1	2"	4 #1		
8	1	2"	4 #3/0		
9	1	2"	4 #3/0	1 #6	
10	1	2"	3 #4/0	1 #4	
11	1	2-1/2"	4 #3/0		
12	1	2-1/2"	4 #4/0	1 #4	
13	1	2-1/2"	4 #4/0		
14	1	3"	3 #300 kcMIL	#2	
15	1	3"	4 #350 kcMIL	#4	
16	1	3"	3 #400 kcMIL	#3	
17	2	3"	3 #300 kcMIL + 1 #2/0		
18	1	1"	4 #6	1 #10	
19	1	1-1/2"	3 #1/0	1 #2	
20	1	1-1/2"	4 #2	1 #8	
21	1	2-1/2"	3 #250 kcMIL		
22	1	2"	4 #1/0		
23	1	3/4"	3 #4	1 #8	
24	1	1-1/4"	4 #3	1 #8	
25	1	3"	3 #600kcMIL	1 #2	
26	1	3/4"	3 #8	1 #8	
27	1	1 1/4"	3 #2	1 #8	
28	1	2-1/2"	3 #500kcMIL	1 #2	
29	1	3-1/2"	4 #500kcMIL		
30	1	3-1/2"	3 #400 kcMIL	1 #3	
31	7	3-1/2"	3 #500 kcMIL	1 #4/0	
	3	3-1/2"	Spare		
32	1	1-1/4"	3 #2		
33	1	2"	3 #2/0		
34	1	2-1/2"	3 #350 kcMIL + 1 #6 N		
35	1	3"	3 #500 kcMIL + 1 #3/0 N	1 #3	
36	2	2"	4 #3/0		
37	1	3"	4 #500 kcMIL	1 #3	
38	1	2-1/2"	5 #3/0		
39	2	3"	4 #300 kcMIL		
40	1	1-1/4"	4 #4	1 #8	
41	1	2"	4 #1/0	1 #6	
42	1	1-1/2"	4 #1		
43	1	1"	4 #4		
44	1	2"	4 #1	1 #8	
45	6	4"	4 #500 kcMIL	1 #250 kcMIL	
46	3	3"	4 #500 kcMIL		
47	1	2-1/2"	3 #3/0 + 1 #1/0 N		
48	1	3"	4 #4/0	1 #4	
49	2	2-1/2"	4 #350 kcMIL		
50	1	1-1/2"	3 #2	1 #8	
51	1	1"	5 #6		
52	1	1-1/2"	Spare		
53	1	2"	4 #3/0	1 #4	
54	1	1-1/4"	4 #6		
55	2	3"	3 #350 kcMIL + 1 #3/0		
56	1	2"	3 #4/0		
57	1	1-1/4"	4 #3		
58	1	2"	3 #300 kcMIL		
59	1	3/4"	4 #8		
60	1	3/4"	4 #6		
61	1	2"	4 #2/0		
62	1	2"	4 #3/0, 5 #8 control		
63	1	1-1/2"	4 #4, 5 #8 control		
64	2	3"	3 #500 kcMIL		
65	1	3"	4 #500 kcMIL, 5 #8 control		
66	1	1/2"	3 #12		
67	1	1/2"	2 #12		
68	1	1-1/4"	4 #2	1 #6	
69			#1/0		
70			#2/0		
71			#3/0		
72			#4/0		
73			4#4/0		
74			#2		
75	1	1-1/4"	#4		
76			#6		
77			#8		
78			#10		
79			#12		
80			500 kcMIL		
81			500 kcMIL, 1 #1 Neutral		
82		3"	500 kcMIL, 1 #3 Neutral	1 #3	
83			#1		
84		2-1/2"	4 #300 kcMIL	1 #4	
85			350 kcMIL		
86			#2, #4 Neutral		
87			#6, #8 Neutral		
88	1	2-1/2"	3 #400 kcMIL	1 #6	
89	3	4"	3 #500 kcMIL	1 #250	
90	1	1"	4 #6		
91	2	3-1/2"	3 #600 kcMIL	1 #1/0	
92	1	3-1/2"	3 #600 kcMIL	1 #2	
93	2	3"	4 #350 kcMIL	1 #1	
94	1	2"	4 #1/0	1 #1/0	
95	1	2-1/2"	5 #4/0	2 #6	
96	1	1-1/2"	4 #1/0	1 #6	
97	1	1"	3 #4	1 #8	
98	1	1-1/4"	3 #2	1#6	
99	1	1/2"	4 #10	1 #10	
100			#4/0, #1/0 Neutral		
101	1	3"	4 #500	1 #1	
102	1	3"	3 #350 kcMIL	1 #4	
103	1	3"	3 #400 kcMIL	1 #3	
104	1	2-1/2"	3 #3/0	1 #4	
105	1	2-1/2"	3 #4/0	1 #4	
106			#4, #6 Neutral		
107	1	2-1/2"	4 #2/0		
108			3 #1/0 + 1 #3N	1 #3	

PAVILION FEEDER SCHEDULE – BELOW 1000V OR BELOW

PLAN MARK	# OF SETS	CONDUIT SIZE	CONDUCTORS	GROUND	REMARKS
109			3 #750 kcMIL	1 #3	
110	1	3"	3 #1/0	1 #6	
111	1	3"	4 #400 kcMIL		
112	1	3"	4 #350 kcMIL		
113	1	1-1/2"	3 #2	1 #2	
114	1	1-1/2"	4 #1	1 #8	
115	1	1-1/4"	3 #1	1 #1	
116	1	3"	3 #4/0 + 1 #1/0 N	1 #6	
117	1	1-1/2"	2 #1/0	1 #8	
118	1	1-1/4"	2 #2		
119	4	3-1/2"	4 #350 kcMIL	1 #3/0	
120	1	2"	3 #4	1 #8	
121	1	2"	3 #1/0	1 #6	
122	1	2-1/2"	3 #250 kcMIL	1 #4	
123	1	3"	3 #250 kcMIL	1 #4	
124	1	3"	3 #4/0	1 #4	
125	1	1-1/4"	4 #4	1 #6	
126	1	2-1/2"	3 #3/0	1 #6	
127	1	2-1/2"	4 #4/0	1 #2	
128	1	3-1/2"	3 #600 kcMIL	1 #2	
129	1	3-1/2"	4 #750 kcMIL	1 #3	
130	1	3/4"	2 #8	1 #8	
131	3	3-1/2"	3 #500 kcMIL	1 #1/0	
132	2	1-1/2"	4 #1		
133	1		3 #350 kcMIL	1 #2	
134	1		4 #500 kcMIL	1 #1/0	
135	2		4 #250 kcMIL	1 #4	
136	2	2-1/2"	4 #3/0	1 #3/0	
137	6		3 #500 kcMIL		Ground conductor unverified
138	3	3"	4 #350 kcMIL		
139	1	3 1/2"	3 #750 KcMIL, 1#2 N	1#2	
140	1	3/4"	2 #8		
141	1	2 1/2"	3 #4/0		
142	1	1 1/2"	3 #1/0	1 #6	
143	2	2 1/2"	4 #300 KcM		
144	1	1"	3 #6		
145	1	1 1/4"	3 #1	1 #6	
146	6	–	4 #350 KCM	–	
147	1	1/2"	3 #10	1 #10	
148	1	2 1/2"	3 #350 KCM, #3 N	1 #3	
149	1	4"	4 #500 KCM		
150	1	1 1/4"	4 #1		
151	1	2"	4 #3/0, 1#6 IG	1 #6	
152	3	4"	4 #500 KCM		
153	1	1"	3 #4, #6 NEUT		
154	7	3 1/2"	3 #500 KCM, #4/0 NEUT		
155	1	3 1/2"	3 #600 KCM, #500 KCM NEUT	#2	
156	2	2 1/2"	4 #4/0	1#3	
157	2	2 1/2"	4 #4/0	1#2	
158	2	2 1/2"	3 #350 KCM	1 #2	
159	2	2 1/2"	4 #3/0, 1#1/0 ISOL GND	#3/0	
160	2	2"	3 #3/0		
161	1	2 1/2"	3 #350 KCM	#4	
162	2	2 1/2"	3 #250 KCM	#1	
163	1	2 1/2"	3 #350 KCM	#1/0	
164	1	2 1/2"	3 #4/0	#4	
165	1	1 1/4"	4 #2	#8	
166	1	3 1/2"	4 #500 KCM	#2	
167	1	3"	3 #500 KCM	#2	
168	1	–	4 #1/0	#2	Tap inside Panelboard
169	1	–	4 #2	#4	Tap inside Panelboard
170	1	3"	4 #1/0, 5#8 CONTROL	#6	
171	1	2"	3#2/0	#2/0	
172	1	3 1/2"	4#4/0	#4	
173	1	1 1/4"	2#2, #4 NEUT		
174	1	1 1/4"	2#1/0, #1 NEUT	#6	
175	1	1"	4#6	1#10	
176	1	3/4"	3#10	1#10	
177	1	1 1/2"	4#1	1#6	
178	1	1"	3#4	1#8	
179	1	1 1/2"	3#1	1#6	
180	1	3/4"	4#8	1#10	
181	1	3/4"	3#10	1#10	
182	1	1 1/4"	2#4, 1 #8 NEUT	1#6	
183	1	2"	3 #3/0	1#4	
184	1	1"	3 #2		
185	1	1 1/4"	2#2, 1#4 NEUT		
186	1	3/4"	3 #12		
187	1	3/4"	3 #6		
188	1	1 1/4"	3 #2	1#6	
189	1	1 1/4"	3#2, 1#4 NEUT	1#4	
190	1	2"	4 #4/0	1#6	
191	1	2"	4 #2/0	1#4	
192	1	4"	3#750, 1#600N	1#2/0	
193	1	3"	4#500	1#2	
194	1	2"	4#1/0	1#2	
195	2	2 1/2"	3#3/0	1#1	
196	1	1"	4#6	1#8	
197	1	3"	4#350	1#2	
198	2	2"	4#2/0	1#2	
199	2	3"	4#350	1#1/0	
200	1	3"	3#500 + 3/0N		
201	1	3"	3#500 + 3/0N	1#2	
202	1	2"	4#2	1#8	
203	1	1 1/4"	3#2	1#8	
204	1	3"	3#500 + #3N	1#3	
205	1	3 1/2"	4#600	1#3	
206	1	1 1/2"	2#1	1#6	

GENERAL NOTES:

1. FEEDER SCHEDULE SHOWS BOTH NEW, MODIFIED AND EXISTING.
2. COPPER CONDUCTORS UNLESS NOTED OTHERWISE.
3. CONDUIT PATHWAY USED AS GROUND CONDUCTOR UNLESS NOTED WITH GROUND CONDUCTOR.

DALLY TOWER FEEDER SCHEDULE

FEEDER NO.	COPPER CONDUCTORS		AMAPCITY
	CONDUIT	WIRE	
A3	1"	3#4 +#8 G	85
A4	1.25"	4#4 +#8 G	85
B3	1.25"	3#2 +#6 G	115
B4	1.25"	4#2 +#6 G	115
C3	1.5"	3#1 +#6 G	130
C4	1.5"	4#1 +#1 G	130
C5	2"	3#1 +2#1/0 N +#6 G	130
J5	2"	3#4/0 +#1/0 N +#4 G	230

DALLY TOWER FEEDER SCHEDULE

FEEDER NO.	ALUMINUM CONDUCTORS		AMAPCITY
	CONDUIT	WIRE	
D3	1.5"	3#1/0 +#6 G	120
D4	1.5"	4#1/0 +#6 G	120
E3	1.5"	3#2/0 +#4 G	135
F3	2"	3#3/0 +#4 G	155
F4	2"	4#3/0 +#4 G	155
G3	2"	3#4/0 +#4 G	180
J3	2.5"	3#300 +#2 G	230
J4	3"	4#300 +#2 G	230
K3	3"	3#350 +#2 G	250
K4	3"	4#350 +#2 G	250
N3	3.5"	3#600 +#1 G	340
2H4	(2) 3"	4#250 +#1 G EA.	410
2K3	(2) 3"	3#350 +#1/0 G EA.	500
2M4	(2) 3.5"	4#500 +#3/0 G EA.	620
3L3	(3) 3"	3#400 +#3/0 G EA.	810
3L4	(3) 3.5"	4#400 +#3/0 G EA.	810
4K4	(4) 3"	4#350 +#4/0 G EA.	1000
4N4	(4) 4"	4#600 +#350 G EA.	1360
5N4	(5) 4"	4#600 +#400 G EA.	1700
6N4	(6) 4"	4#600 +#600 G EA.	2040
8P4	(8) 4"	4#750 +#750 G EA.	3080

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FEEDER SCHEDULES

E5.20

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