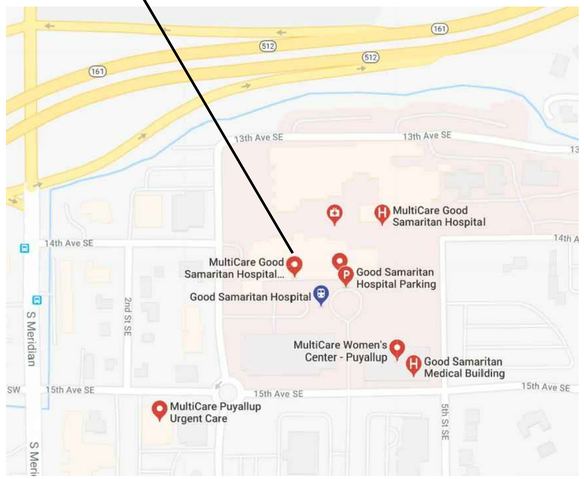
PROJECT LOCATION



VICINITY MAP

PROJECT INFORMATION:

APPLICABLE CODES: (INCLUDING STATE AND LOCAL AMENDMENTS OF FOLLOWING LISTED CODES)

STATE OF WASHINGTON:

HOSPITAL CODE:
WASHINGTON STATE ADMINISTRATIVE CODE FOR HOSPITALS, RULES AND REGULATIONS, WAC 246-320
GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES (GUIDELINES), PRESENTLY APPLICABLE EDITION, FACILITY GUIDELINES INSTITUTE (FGI)

BUILDING CODE:
INTERNATIONAL BUILDING CODE (IBC), PRESENTLY APPLICABLE EDITION
INTERNATIONAL CODE COUNCIL (ICC), A117.1-2003: WAC 51-50

MECHANICAL CODE:
INTERNATIONAL MECHANICAL CODE (IMC), PRESENTLY APPLICABLE EDITION
INTERNATIONAL FUEL GAS CODE (IFGC), PRESENTLY APPLICABLE EDITION
NATIONAL FUEL GAS CODE (NFGC), WAC 51-52, PRESENTLY APPLICABLE EDITION

PLUMBING CODE:
UNIFORM PLUMBING CODE (UPC): WAC 51-56, PRESENTLY APPLICABLE EDITION

ENERGY CODE:
WASHINGTON STATE ENERGY CODE: WAC 51-11, PRESENTLY APPLICABLE EDITION

ELECTRICAL CODE:
NATIONAL ELECTRICAL CODE (NEC), PRESENTLY APPLICABLE EDITION: WAC 296-46B

LIFE SAFETY CODE:
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA-101), PRESENTLY APPLICABLE EDITION

FIRE CODE:
INTERNATIONAL FIRE CODE (IFC), PRESENTLY APPLICABLE EDITION: WAC 51-54

PROJECT DATA:

AUTHORITY:	CITY OF PUYALLUP
ZONING:	6510 - HOSPITAL
SEISMIC ZONE:	3
FROST LINE:	12 INCHES
SNOW LOAD:	25 PSF
WIND EXPOSURE:	85 MPH - EXPOSURE B
CONSTRUCTION TYPE:	1-A
OCCUPANCY:	I-2 (HOSPITAL)
FIRE PROTECTION:	AUTOMATIC FIRE ALARM AUTOMATIC FIRE SPRINKLER SYSTEM

PROJECT DESCRIPTION:

Buildout of two operating rooms in existing shell space.

OCCUPANCY WILL NOT BE GRANTED UNTIL CIVIL PLANS FOR THE CONSTRUCTION OF THE SIDEWALK EXTENSION ON THE NORTH SIDE OF 13TH AVE SE HAVE BEEN SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL

City of Puyallup
Development Engineering
APPROVED

See permit for additional requirements.

Linda Lian
05/11/2022
2:44:01 PM

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Separate approval is required by the Washington State Department of Health - Any revisions shall be submitted to the City for review and approval prior to commencing construction.

Final letters are required for compliance with plans and codes:
Mechanical Engineer of Record
Third Party Medical Gas installation, inspection and testing.
Architect of Record
Special Inspection - in accordance with the Engineer of Record and minimum codes.

GRAPHIC SYMBOLS:

NORTH ARROW

GRID LINE

BUILDING SECTION (SECTION NO. / SHEET NO.)

WALL SECTION (SECTION NO. / SHEET NO.)

DETAIL (DETAIL NO. / SHEET NO.)

INTERIOR ELEVATION

ELEVATION MARK (ELEV. +0'-0" FLOOR LEVEL)

REVISION MARK

PROPERTY CORNERS

CUT LINE

CENTER LINE

ANGLE

DIAMETER / ROUND

CONCEALED OR OVERHEAD LINE (NOT ON DEMOLITION PLAN)

GRADE POINT (NEW GRADE / EXISTING GRADE)

ROOM NAME / NUMBER (RM. NAME / RM. #)

PLAN KEYED NOTE

NEW DOOR/FRAME (SEE DOOR SCHEDULE)

WALL TAG (SEE WALL TYPES)

EQUIPMENT KEYED NOTE

See S 1.00 for notes regarding special inspection.

Reference NFPA 99 for medical gas installation, testing and reporting.
Third (3rd) Party inspection is required, make reports available to the building inspector for review. Provide Acceptance of the third party report from the responsible facility authority in accordance with 5.1.12.1.7 of NFPA 99.

PROJECT TEAM:

OWNER:

MultiCare Health System - Good Samaritanl Hospital
401 15th Ave SE
Puyallup, WA 98372
Contact: Matt Counas
(253) 403-1246

FACILITY CONTACTS:

CBRE, MultiCare Health System Account
911 South 5th Street, Mail Stop 911-1-CONS
Tacoma, WA 98405
Contact: Nigel Horton
Project Manager
NSHorton@MultiCare.org
(253) 337-4296

ARCHITECT:

InSight Healthcare Architecture, LLC
12345 Lake City Way NE, #2108
Seattle, WA 98125
Contact: Karsea Langlois
Principal Architect
KLanglois@InSightDesignStudio.biz
(206) 601-6645

STRUCTURAL ENGINEER:

PCS Structural Solutions
1250 Pacific Avenue, Suite 710
Tacoma, WA 98402
Contact: Leah Cate
Project Mananger
LCate@PCS-Structural.com
(253) 383-2797

MECHANICAL ENGINEER:

Hultz BHU
1111 Fawcett Ave, Suite 100
Tacoma, WA 98402
Contact: Neil Morse
Project Manager
NMorse@HultzBHU.com
(360) 280-8520

ELECTRICAL ENGINEER:

Hultz BHU
1111 Fawcett Ave, Suite 100
Tacoma, WA 98402
Contact: Michael Tagles
Project Manager
MichaelT@HultzBHU.com
(253) 227-8659

EQUIPMENT:

Stryker
571 Silveron Blvd
Flower Mound, TX 75028
Contact: Dan Mitchell
Project Manager
Dan.Mitchell@Stryker.com
(214) 422-2216

APPROVED PLAN
CITY OF PUYALLUP
PLANNING DIVISION

APPROVED BY: CBeale

DATE: 04/30/2021

CASE NO.: B-21-0225

CONDITIONS:

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

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 LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR INSPECTION

Reviewed for Compliance
Approved for Construction

By Ray Cockerham

B-21-0225

Date of Review 5/7/2021

INDEX TO DRAWING SET:

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

8466 REGISTERED ARCHITECT
Karsea M. Langlois
STATE OF WASHINGTON

OWNER:

MultiCare Tacoma General Hospital

PROJECT NAME:

OR 7&8 Buildout

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

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021
COPYRIGHT TO: InSight Healthcare Architecture

SHEET TITLE:

PROJECT INFO / INDEX / SITE PLAN

SHEET #:

T0.0

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

LIFE SAFETY LEGEND

** FLOOR 1 IS I-2 OCCUPANCY, EXCEPT AS INDICATED **

PARTITION	RATING	DOOR	RELITE	SYMBOL
FIRE BARRIER [IBC SEC 706.1] – Elevator/Shaft Walls [IBC SEC 707.4] – Exit Enclosures [Stairs, Passageways] [IBC SEC 1019.1, SEC 1020.1] – Horizontal Exits [IBC SEC 1021.1]	2-HR	1 1/2-HR	NP	
FIRE BARRIER [IBC SEC 706.1] – Any storage room over 100 SF, soiled util, clean util, equipment room, within I-occupancy, and trash/linen chute holding room will be 1HR rated unless otherwise noted	1-HR	1/3-HR	3/4-HR	
SMOKE BARRIER [IBC SEC 407.4, SEC 709] – To separate I-occupancy floors into two smoke compartments	1-HR	1/3-HR	3/4-HR	
SMOKE PARTITION NON-RATED. – Smoke partitions provided for all I-occupancy corridor partitions – Doors have latches				
SUITE NOTE: Perimeter constructed as Smoke Partitions				

PARTIAL SECOND FLOOR PLAN

0 4 8 16FT

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

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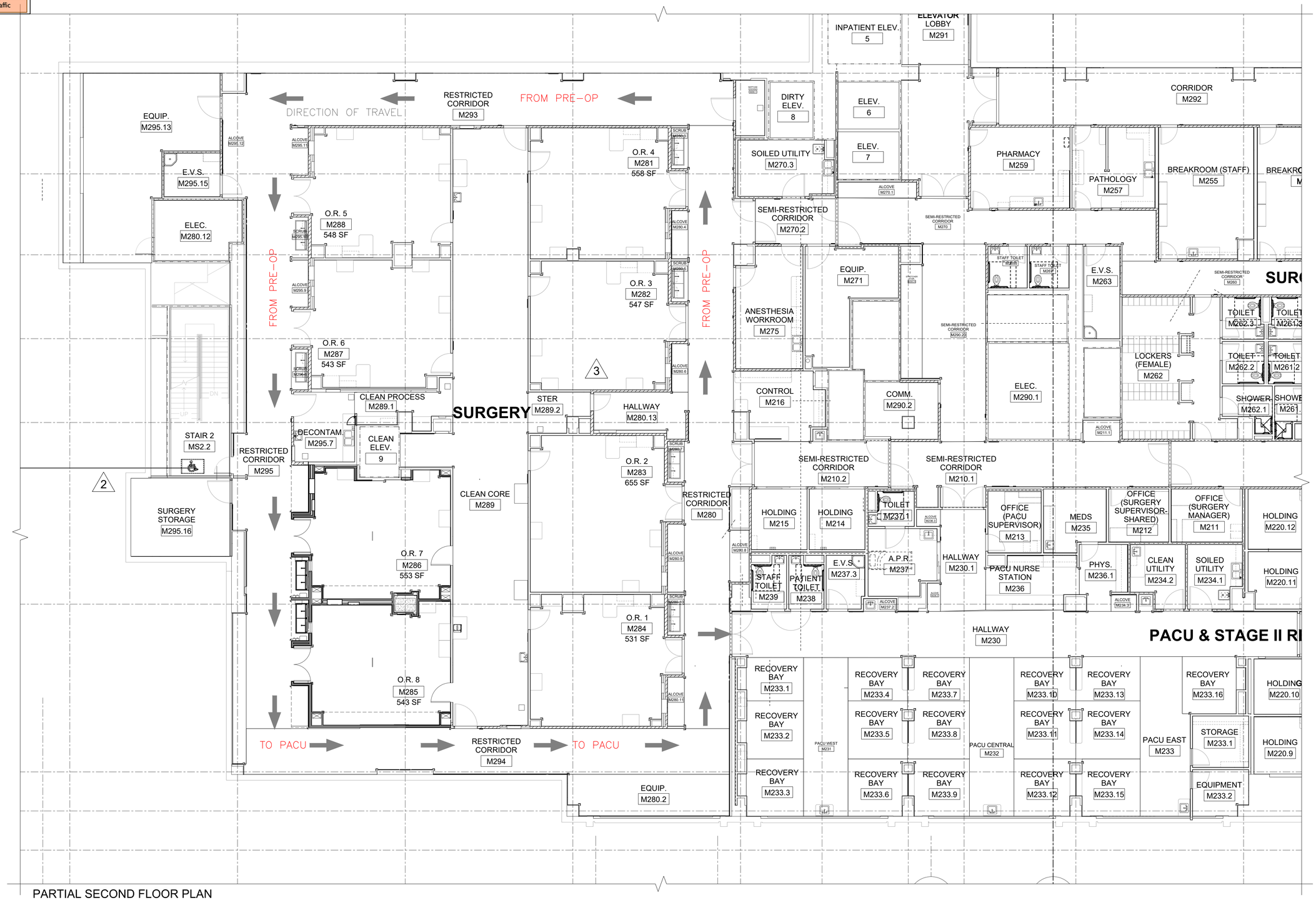
SHEET #:

A1.2

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



PARTIAL SECOND FLOOR PLAN

0 4 8 16FT

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

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SHEET TITLE:
PARTIAL 2ND FLOOR PLAN

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A1.2

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

DEMOLITION PLAN GENERAL NOTES

1. THESE DEMOLITION DRAWINGS ARE INTENDED TO SHOW EXISTING CONDITIONS TO BE REMOVED (OR DEMOLISHED) TO COORDINATE WITH NEW WORK TO BE INSTALLED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXISTING CONDITIONS IN THE FIELD WITH NEW WORK TO BE INSTALLED. COORDINATE ALL EXTENT OF DEMOLITION WITH EXTENT OF NEW WORK TO BE INSTALLED. CONTRACTOR SHALL BRING ALL DISCREPANCIES BETWEEN NEW WORK AND EXISTING CONDITIONS TO THE ATTENTION OF THE ARCHITECT BY WRITTEN NOTIFICATION FOR CLARIFICATION/DECISION BEFORE PROCEEDING WITHIN THE AFFECTED PORTION OF THE WORK. ANY DEMOLITION WORK DONE INCORRECTLY WITH RESPECT TO NEW WORK TO BE DONE SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE. CORRECTION MAY BE EITHER REINSTALLATION OF EXISTING CONDITION OR MODIFICATION OF NEW WORK TO REMEDY INCORRECT DEMOLITION. THIS SHALL BE SOLELY JUDGED BY THE ARCHITECT.

   SUBMIT ALL REPORTS TO CITY OF PUYALLUP BUILDING OFFICIAL.
2. THESE DOCUMENTS DO NOT ADDRESS ASBESTOS ABATEMENT. ASBESTOS ABATEMENT WILL BE HANDLED BY THE OWNER. OWNER WILL RETAIN A CERTIFIED ASBESTOS ABATEMENT CONTRACTOR TO ABATE EACH PHASE PRIOR TO GENERAL CONTRACTOR'S WORK. OWNER WILL ALSO RETAIN ABATEMENT CONTRACTOR THROUGHOUT THE PROJECT FOR SPOT CHECKS AND VERIFICATION OF SUSPECTED MATERIALS UNCOVERED DURING DEMOLITION. GENERAL CONTRACTOR SHALL BE REQUIRED TO COORDINATE & SCHEDULE WITH OWNER'S ABATEMENT CONTRACTOR.
3. MINIMIZE DAMAGE, BY WHATEVER MEANS DEEMED NECESSARY TO FULLY PROTECT ALL EXISTING SURFACES TO REMAIN ADJACENT TO DEMOLITION WORK.
4. DEMOLISH PARTITIONS FROM FLOOR TO STRUCTURAL DECK ABOVE UNLESS EXISTING CONDITIONS WARRANT NOTIFICATION TO THE ARCHITECT OF OTHER EXTENT OR UNLESS OTHERWISE NOTED.
5. ALL ITEMS NOT SCHEDULED TO BE REUSED SUCH AS MECHANICAL AND ELECTRICAL FIXTURES, EQUIPMENT, FURNITURE, CASEWORK AND SHELVING SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
6. REMOVE ALL LOOSE DEBRIS OR OTHERWISE UNNECESSARY MATERIAL FROM WALL CAVITIES CREATED BY DEMOLITION WORK PRIOR TO ENCLOSING WITH NEW FINISHES.
7. CLEAN UP CONSTRUCTION SITE AT END OR EACH DAY'S WORK SO AS TO NOT BLOCK EXIT PATHS OR ACCESS IN OR OUT OF EACH PHASED AREA. IN NO CASE SHALL OCCUPIED AREAS BE BLOCKED WITH TOOLS, DEBRIS OR CONTRACTOR'S EQUIPMENT AT ANYTIME. DISPOSE OF DEMOLITION DEBRIS FROM SITE ON A DAILY BASIS. ACCESS ROUTE SHALL BE SUBMITTED TO OWNER AND ARCHITECT IN WRITING (OR GRAPHICALLY) FOR REVIEW 48 HOURS PRIOR TO ANY WORK IN EACH PHASED AREA.
8. CONSULT WITH OWNER IN WRITING TEN (10) DAYS IN ADVANCE OR UTILITY/ SERVICE SHUTDOWNS.
9. PROVIDE DUSTPROOF PARTITIONING AND TEMPORARY DOORS WHERE NEEDED PRIOR TO DEMOLITION TO PROTECT ADJACENT AREAS.
10. DEMOLISH ALL OR PORTIONS OF EXISTING WALLS SHOWN. RETAIN FINISH TO ADJACENT WALL SURFACES, BOTH SIDES OF WALL UNLESS SPECIFICALLY NOTED TO REMOVE. PATCH AND REPAIR ALL DAMAGED AREAS AFFECTED BY THIS WORK.
11. ALL STRUCTURAL MEMBERS, INCLUDING BEARING WALLS, AFFECTED BY THIS DEMOLITION ARE TO BE VERIFIED AND ADEQUATELY SHORED BEFORE REMOVAL.

DEMOLITION PLAN KEYED NOTES

1. DEMOLISH (E) WALL
2. DEMOLISH (E) DOOR
3. DEMOLISH PORTION OF (E) WALL TO ACCOMMODATE NEW DOOR
4. CUT AND PATCH WALL AS REQUIRED TO ACCOMMODATE NEW MEDICAL GAS ZONE VALVE BOXES – SEE MECHANICAL

LEGEND

- EXISTING WALL TO BE REMOVED
- EXISTING DOOR TO BE REMOVED
- CUT OPENING IN EXISTING WALL
- DASHED LINE INDICATES ITEM TO BE REMOVED REFER TO NOTES OR FIELD VERIFY TYPE TYPE OF ITEM TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- PLUMBING FIXTURES TO REMOVED COORDINATE WITH MECH. CAP OR MODIFY PLUMBING AS REQUIRED FOR NEW WORK.

DETAILED 2nd FLOOR PLAN: DEMOLITION

0 2 4 8FT
SCALE: 1/4" = 1'-0"

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STATE OF WASHINGTON

OWNER:
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PROJECT NAME:
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MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

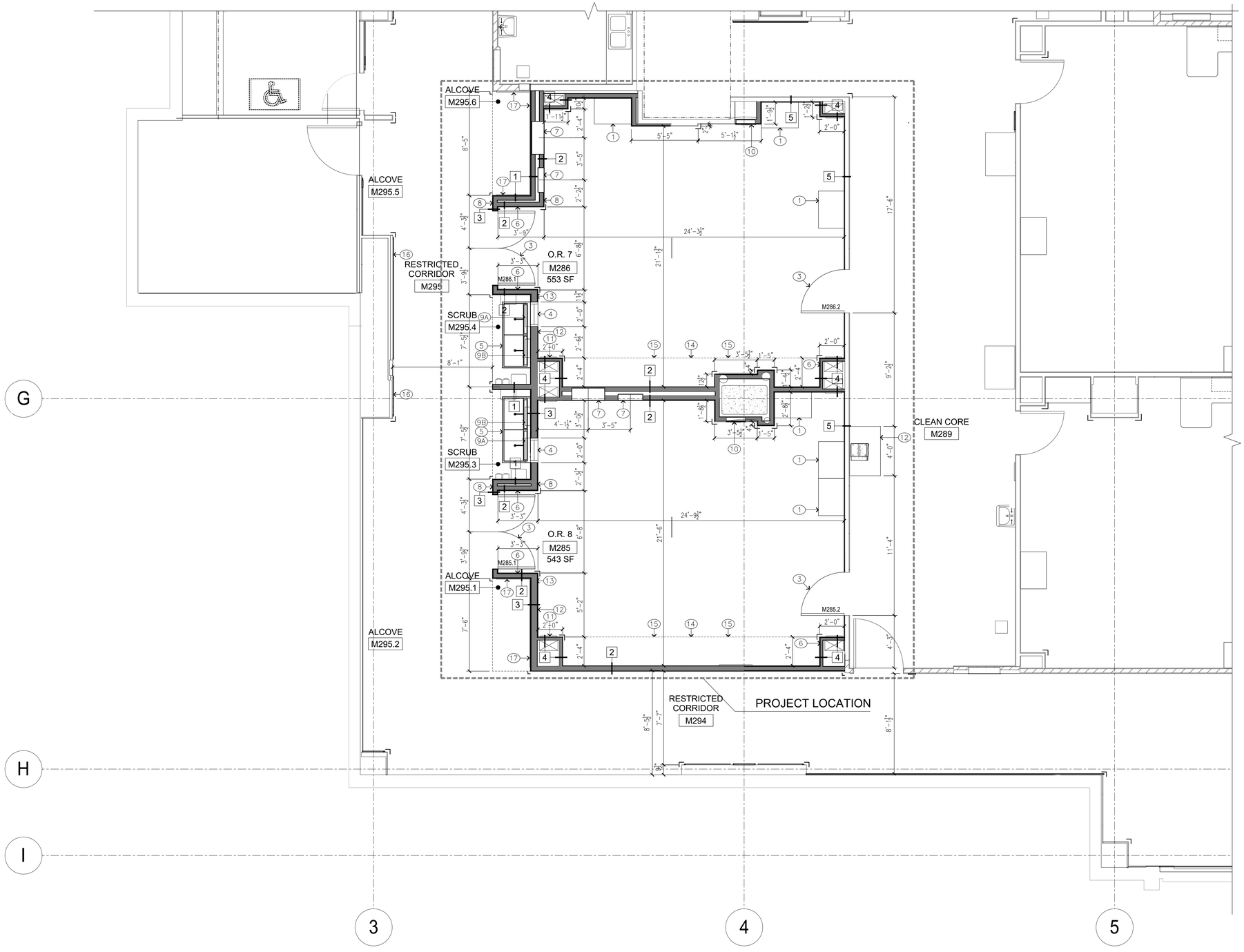
PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021

SHEET TITLE:
DETAILED 2nd FLOOR PLAN: DEMOLITION

SHEET #:
A2.2

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



DETAILED 2nd FLOOR PLAN: PROPOSED

0 2 4 8FT
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DRAWINGS, DIMENSIONS, SPECIFICATIONS AND SCHEDULES PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. NOTIFY ARCHITECT IMMEDIATELY OF ANY UNCERTAINTY OR DISCREPANCY.
2. DRAWINGS SHALL NOT BE SCALED.
3. WHERE NOTES ON THE DRAWINGS INDICATE A CONDITION AT ONE LOCATION, WHETHER INDICATED AS TYPICAL OR NOT, THE NOTE SHALL APPLY TO ALL SIMILAR LOCATIONS, UNO.
4. SEE SHEET T0.0 FOR ADDITIONAL NOTES, SYMBOLS, ABBREVIATIONS, ETC.
5. SEE CODE PLAN AND DETAILS, FOR EXTENT OF RATED WALLS, CEILINGS, OPENINGS & DETAIL.
6. GRID LINES ARE TO CENTERLINE OF STEEL AND STUDS @ FRAMED WALLS, UNO.
7. ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF FINISHED WALL, AND ROUGH OPENINGS, UNLESS NOTED OTHERWISE OR INDICATED ON DETAILS.
8. DOORS ARE TYPICALLY LOCATED BY DETAIL. WHERE A DIMENSION IS INDICATED ON PLAN FOR DOORS AND RELITES THEY WILL SUPERSEDE DETAIL DIMENSIONS.
9. REFER TO DETAIL 5/A8.0 FOR MANEUVERING CLEARANCES AT DOORS.
10. ALL BUILDING SIGNAGE AND IDENTIFYING DEVICES TO COMPLY WITH THE REQUIREMENTS OF THE A.D.A. (AMERICANS WITH DISABILITIES ACT).
11. FINISH FLOORING TO EXTEND TO WALLS BELOW ALL CASEWORK NOT PERMANENTLY ATTACHED TO THE FLOOR UNLESS NOTED OTHERWISE.
12. PROVIDE SOLID BLOCKING @ ALL CASEWORK AT TOP AND BOTTOM OF UPPERS AND AT TOP OF COUNTERS AND LOWER CABINETS. PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED/SUPPORTED ITEMS INCLUDING TV BRACKETS, SHELVES, LOCKERS, WHITE BOARDS, PROJECTION SCREENS, ETC. VERIFY BLOCKING REQUIREMENTS WITH SUPPLIER/MFR OF PRODUCT TO BE MOUNTED.
13. WHERE A MECHANICAL PIPE OR DUCT CHASE IS INDICATED ON THE FLOOR PLAN, VERIFY SIZE OF CHASE REQUIRED FOR MECHANICAL ITEMS.
14. INSTALL ACOUST. BATT INSULATION IN ALL EXISTING INTERIOR STUD WALLS WHERE STUD CAVITIES ARE EXPOSED AS A RESULT OF CONSTRUCTION OR DEMOLITION ACTIVITIES.
15. DARK SHADING INDICATES NEW WALL CONSTRUCTION. REFER TO WALL TYPE FLAGS AND DETAIL 4/A8.0 FOR DETAILED DESCRIPTIONS OF NEW WALL CONSTRUCTION.
16. WHERE WALL OF ONE SIZE STUD JOINS A WALL OF DIFFERENT SIZE STUD, MAINTAIN CONTINUITY OF FINISHED FACE OF WALL AT CORRIDOR SIDE, U.N.O.
17. WHERE EXISTING WALL–MOUNTED ITEMS ARE NOTED, INSTALL ITEM NOTED ON DEMOLITION PLANS TO BE SALVAGED.

KEYED NOTES

1. NEW FIXED FULL–HEIGHT CASEWORK (SEE INTERIOR ELEVATIONS)
2. NEW FLOORING
3. NEW DOOR
4. NEW 20" WIDE X 26" HIGH RELITE WITH INTEGRAL BLINDS (SEE INTERIOR ELEVATIONS)
5. NEW SCRUB SINK – SEE MECHANICAL
6. NEW HOOK – BOBRICK B–2116 (SEE INTERIOR ELEVATIONS)
7. NEW ELECTRICAL PANEL – SEE ELECTRICAL
8. NEW ADA DOOR OPERATOR – SEE ELECTRICAL
9A. NEW 5" DEEP SS SHELF – BOBRICK B–295X24
9B. NEW 5" DEEP SS SHELF – BOBRICK B–295X18
10. NEW MED GAS GAUGE – SEE MECHANICAL
11. NEW MED GAS ALARM PANEL – SEE MECHANICAL
12. NEW FIXED FULL–HEIGHT CASEWORK BY STRYKER
13. NEW THERMOSTAT – SEE ELECTRICAL * INTERIOR ELEVATIONS
14. NEW ANALOG CLOCK – SEE ELECTRICAL & INTERIOR ELEVATIONS
15. NEW DIGITAL CLOCK – SEE ELECTRICAL & INTERIOR ELEVATIONS
16. NEW MED GAS SHUTOFF – SEE MECHANICAL
17. NEW WALL PROTECTION – SEE INTERIOR ELEVATIONS

LEGEND

NEW WALL

EXISTING WALL TO REMAIN

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OR 7&8 Buildout

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MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021
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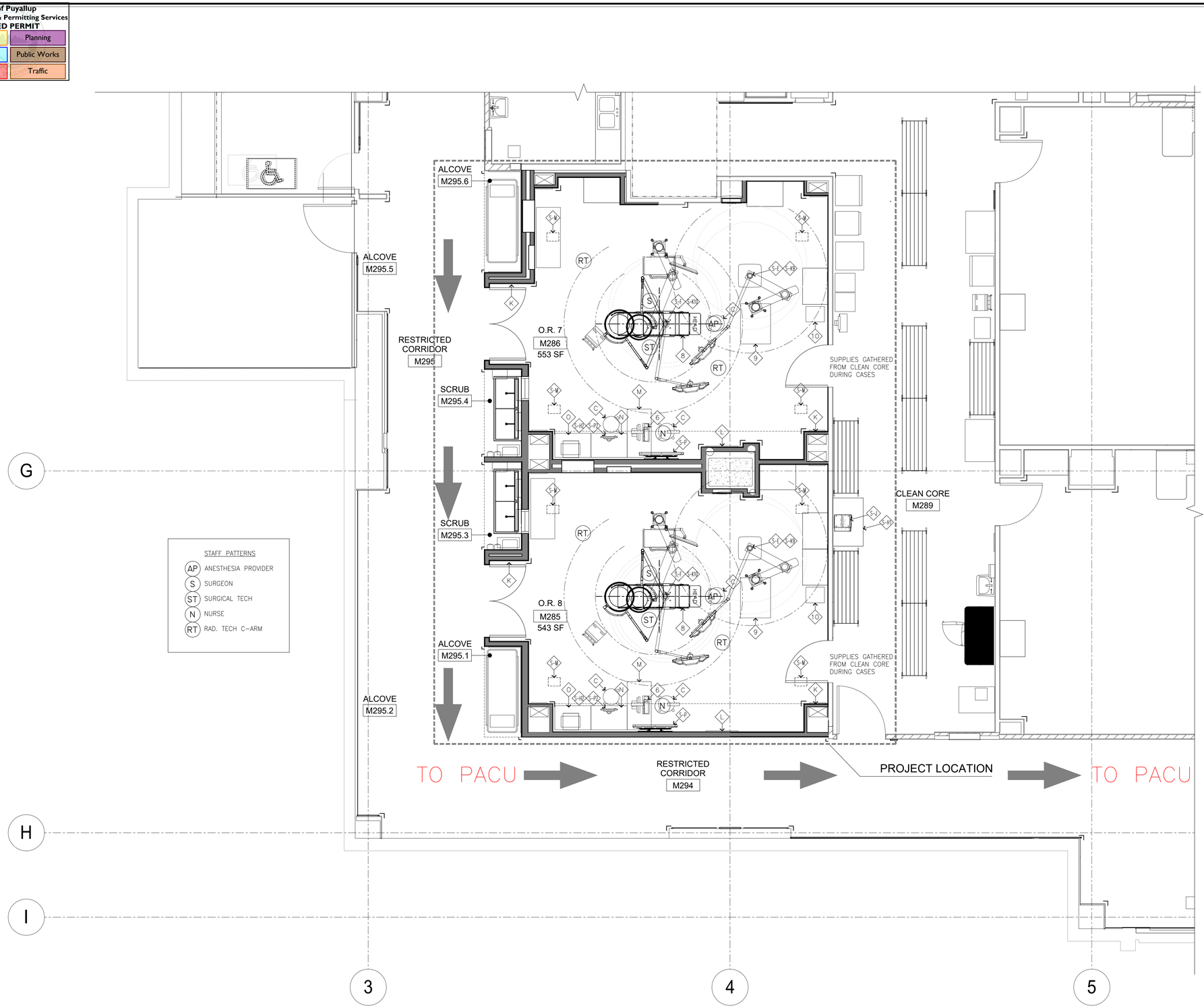
InSight Healthcare Architecture

SHEET TITLE:
DETAILED 2nd FLOOR PLAN: PROPOSED

SHEET #:
A3.2

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



STAFF PATTERNS

- AP ANESTHESIA PROVIDER
- S SURGEON
- ST SURGICAL TECH
- N NURSE
- RT RAD. TECH C-ARM

DETAILED 2nd FLOOR PLAN: EQUIPMENT

0 2 4 8FT
SCALE: 1/4" = 1'-0"

EQUIPMENT LIST

	CAPITAL ITEMS: DESCRIPTION	DIMS	LOCATION	QTY PER ROOM
1	COVIDIAN F10 GENERATOR AND ACCESSORIES	18"X20"	ON CART	1
2	ETHICON HARMONIC SCALPEL/ENSEAL AND ACC.	20"X24"	ON CART	1
3	STRYKER NEPTUNE SUCTION MACHINE	24"X36"		1
4	BAIR HUGGER PATIENT WARMING UNIT MODEL 775	28"X28"		1
5	COVIDIAN-KENDALL MODEL 700 SCD MACHINE	18"x18"		1
6	ENCISION AEM #EM3 MONITOR	24"X30"		1
7	STRYKER TPS CORE 2 CONSOLE	30"X30"		1
8	STERIS/AMSCO 3085 GENERAL SURGERY TABLE	80"X22"		1
9	PYXIS OPERATING ROOM DRUG DISPENSER	30"X40"		1
10	SPINAL CART	19"X16"		1

	NON-CAPITAL ITEMS: DESCRIPTION	DIMS	LOCATION	QTY PER ROOM
A	IV POLES	28" DIA.		2
B	LINEN HAMPERS	24"X24"		2
C	ANESTHESIA CHAIRS	32"X36"		3
D	KICK BUCKET WITH STAND	24" DIA.		2
E	BACK TABLE LARGE, WITH SHELF	60"X24"		1
F	BACK TABLE X-LARGE, WITH SHELF	84"X24"		1
G	MAYO STAND	18"X24"		1
H	MAYO STAND	22"X28"		1
I	BASIN STAND	18"X18"		1
J	NURSES TREATMENT/PREP CART	20"X30"		1
K	ALLEN MEDICAL ROLLER BOARD	72"X22"	WALL	1
L	SCHEDULE BOARD	32"X42"	WALL	1
M	MOBILE DESK	36"X24"		1
N	MOBILE DESK	48"X24"		1
O	MOBILE STORAGE UNIT	36"X24"X94"		1

	STRYKER ITEMS: DESCRIPTION	DIMS	LOCATION	QTY PER ROOM
S-E	ANESTHESIA BOOM		CEILING	1
S-F	EQUIPMENT BOOM		CEILING	1
S-H	CUSTOM CABINET			1
S-HD	NURSE DESK			1
S-I	SWITHCHPOINT INFINITY 3			1
S-K	CHROMOPHARE SK BOX			1
S-KD	TC UDM JUNCTION BOX		CEILING	1
S-KU	UDM JUNCTION BOX		CEILING	1
S-L	CHROMOPHARE SURGICAL LIGHT WALL CONTROL PANEL		TBD	1
S-M	FLUSH RECTANGULAR AR CEILING SPEAKER		CEILING	4
S-P	55" WALL MONITOR		WALL	1
S-PD	CONNECTED OR TOUCHPANEL			1

LEGEND

- NEW WALL
- EXISTING WALL TO REMAIN

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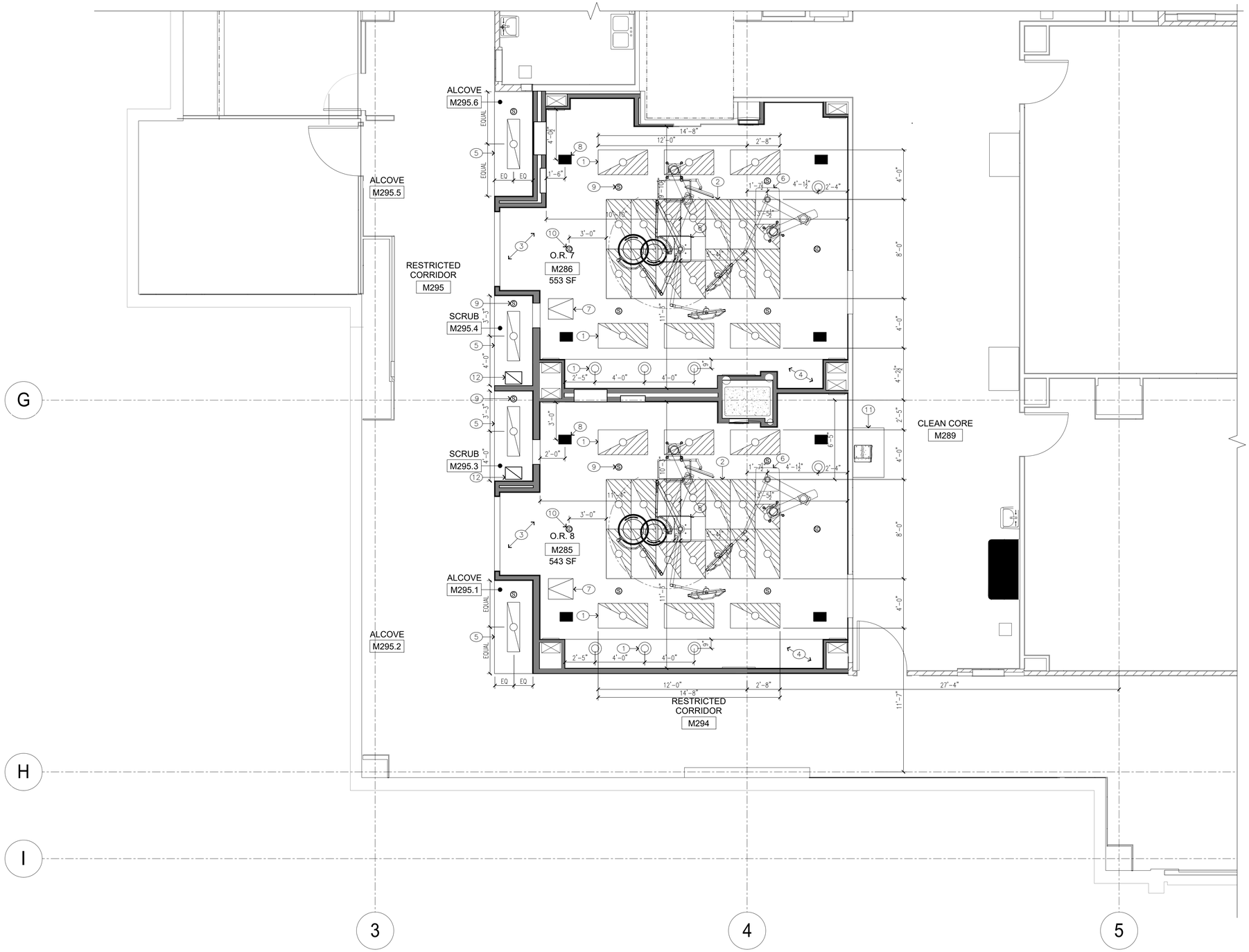
PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021

SHEET TITLE:
DETAILED 2nd FLOOR PLAN: EQUIPMENT

SHEET #:
A4.2

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



DETAILED 2nd FLOOR REFLECTED CEILING PLAN

0 2 4 8FT
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. ALL CEILINGS, SUSPENSION SYSTEMS AND LIGHT FIXTURES IN AREA OF WORK ARE NEW, EXCEPT AS NOTED.
2. CEILING SYSTEMS AFFECTED BY INSTALLATION OF NEW DUCTWORK ARE TO BE REPAIRED OR REPLACED AS REQUIRED, SEE MECHANICAL.
3. CONTRACTOR TO PROVIDE COORDINATION OF SHOP DRAWING FOR APPROVAL OF CEILING, SHOWING AND PROVIDING DIMENSIONS OF ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL ITEMS.

KEYED NOTES

1. NEW LIGHT FIXTURE (SEE ELECTRICAL)
2. NEW ULTRASUITE CEILING SYSTEM WITH LIGHTING AND DIFFUSERS (SEE MECHANICAL & ELECTRICAL)
3. NEW GYP BOARD CEILING
4. NEW GYP BOARD SOFFIT @ 8'-0" A.F.F.
5. NEW GYP BOARD SOFFIT @ 7'-4" A.F.F.
6. NEW BOOM (SEE VENDOR DRAWINGS)
7. NEW CEILING ACCESS DOOR – COORDINATE LOCATION WITH MECHANICAL
8. NEW SPEAKER (SEE VENDOR DRAWINGS)
9. NEW SPRINKLER
10. NEW SMOKE DETECTOR
11. NEW P-LAM SOFFIT
12. NEW CEILING DIFFUSER – SEE MECHANICAL

LEGEND

SEE ELECTRICAL SHEETS FOR LIGHT FIXTURE TYPES

- SUSPENDED OR FRAMED GYPSUM WALLBOARD CEILING
- LED LIGHT FIXTURE
- DIRECTIONAL LED FIXTURE
- 1x4 LED LIGHT FIXTURE
- 2x4 LED LIGHT FIXTURE
- LED LIGHT FIXTURE ON LIFE SAFETY CIRCUIT
- 2x2 LED LIGHT FIXTURE
- CEILING ACCESS PANEL – 24"x24" UNLESS NOTED OTHERWISE
- SUPPLY DIFFUSER
- RETURN GRILLE
- EXHAUST GRILLE
- SPEAKER
- WALL SCONCE
- WALL-MOUNTED VANITY LIGHT
- UNDER-CABINET FLUORESCENT LIGHT FIXTURE
- NURSE CALL DOME LIGHT
- FIRE ALARM STROBE
- SPRINKLER
- SMOKE DETECTOR
- SPEAKER
- OCCUPANCY SENSOR
- CAMERA
- EXIT SIGN

LEGEND

- NEW WALL
- EXISTING WALL TO REMAIN

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8466 REGISTERED ARCHITECT
Karsea M. Langlois
STATE OF WASHINGTON

OWNER:
MultiCare Tacoma General Hospital

PROJECT NAME:
OR 7&8 Buildout

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

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

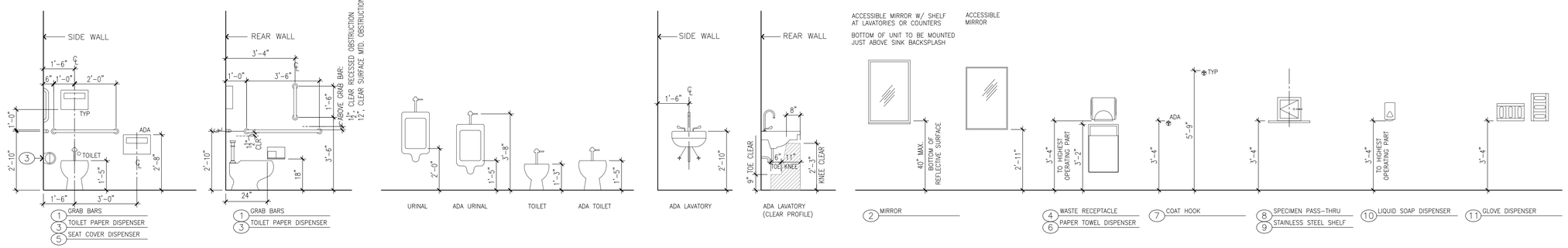
PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021

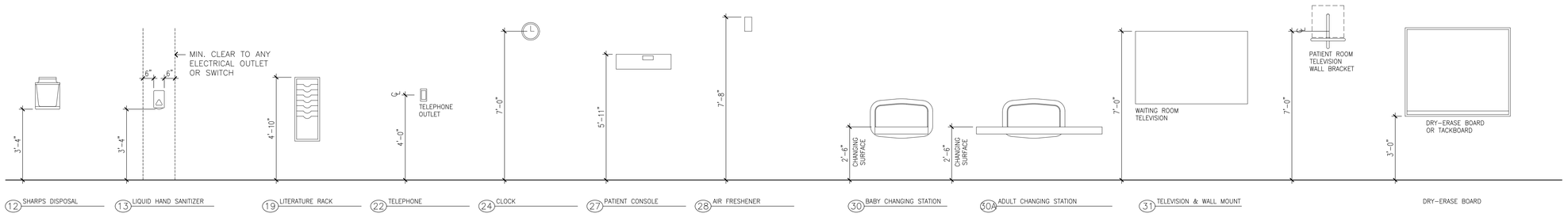
SHEET TITLE:
DETAILED 2nd FLOOR REFLECTED CEILING PLAN

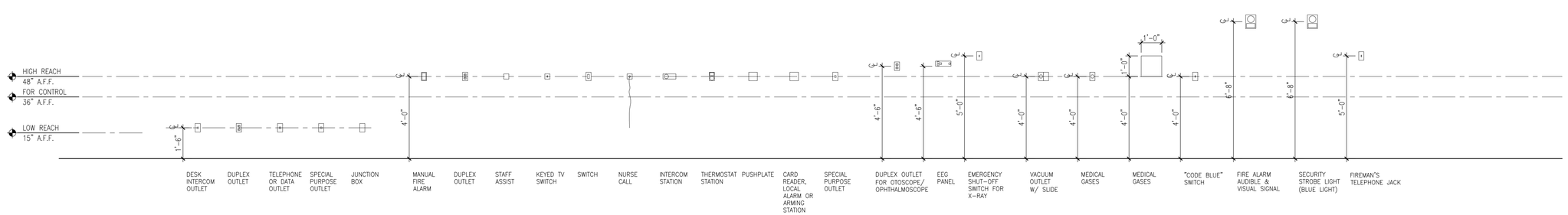
SHEET #:
A5.2

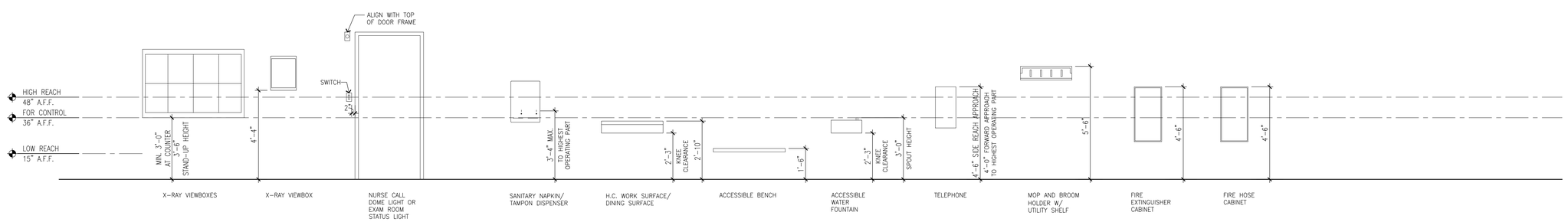
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic









1 MOUNTING HEIGHTS (TYPICAL)
SCALE: 3/8" =1'-0"

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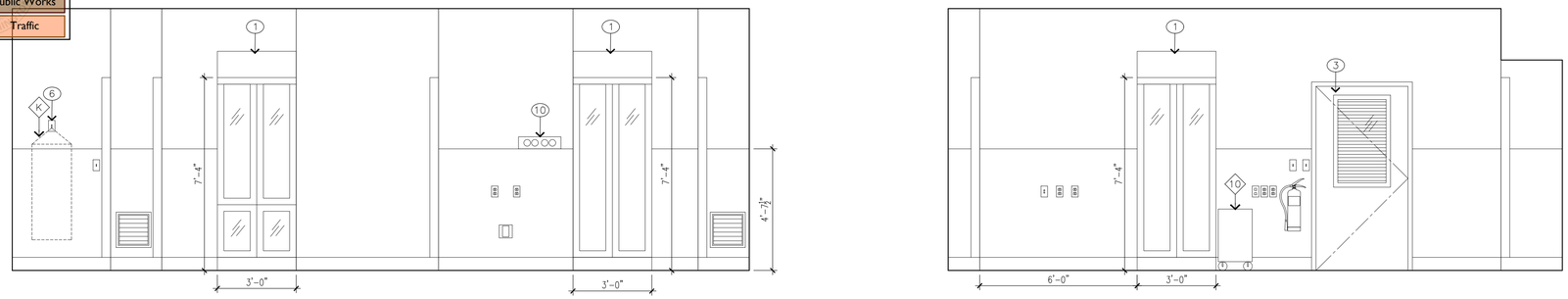
PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021

SHEET TITLE:
TYPICAL MOUNTING HEIGHTS

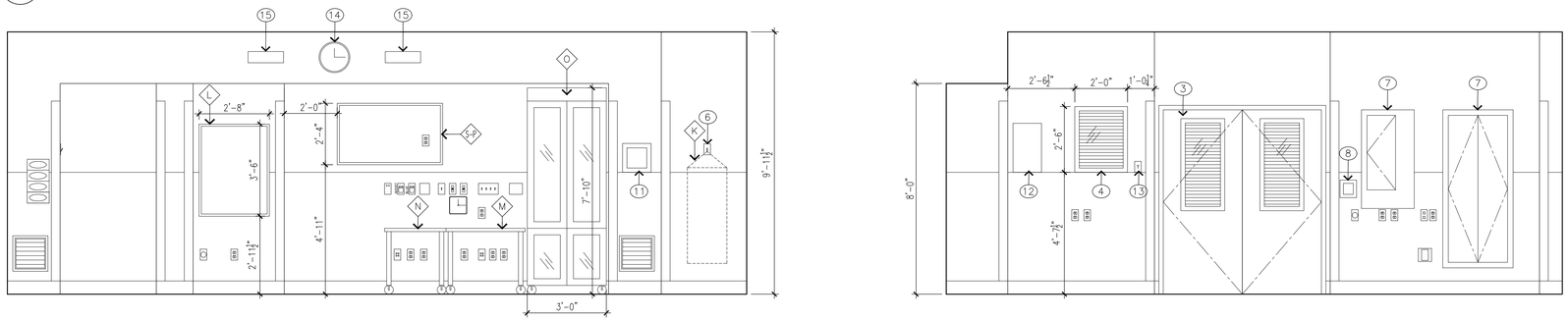
SHEET #:
A6.0

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

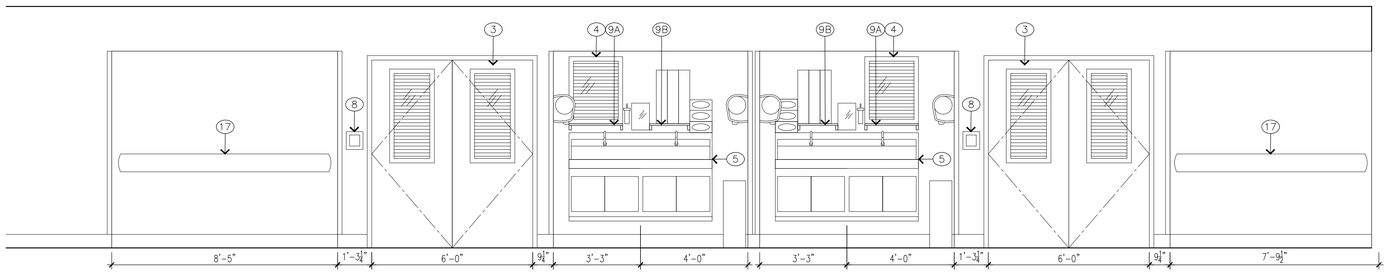
Building	Planning
Engineering	Public Works
Fire	Traffic



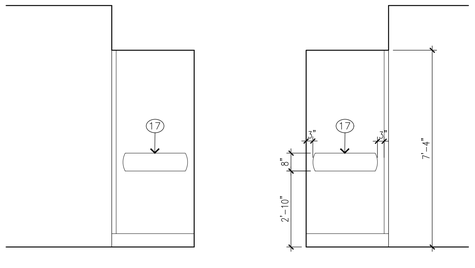
7 Operating Room #7 (M286)
SCALE: 3/8" = 1'-0"



7 Operating Room #7 (M286)
SCALE: 3/8" = 1'-0"



7A Alcove (M295.6) Scrub (M295.4) Scrub (M295.3) Alcove (M295.1)
SCALE: 3/8" = 1'-0"



7A Alcove (M295.6)
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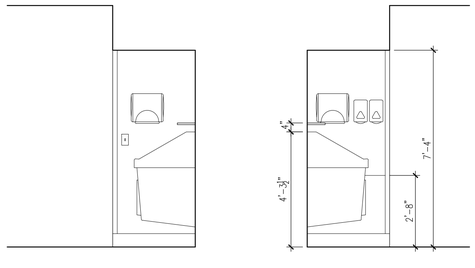

7A Scrub (M295.4)
SCALE: 3/8" = 1'-0"

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	4/2/2021	PERMIT SET

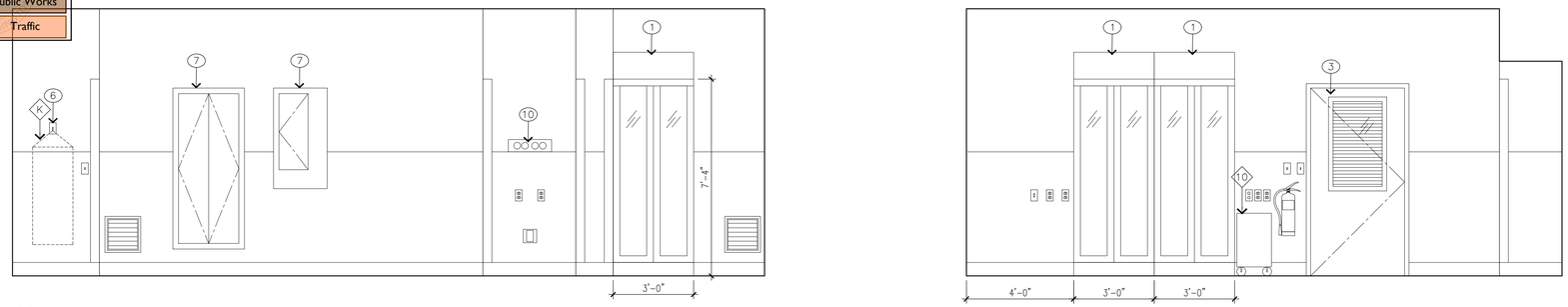
PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021

SHEET TITLE:
INTERIOR ELEVATIONS

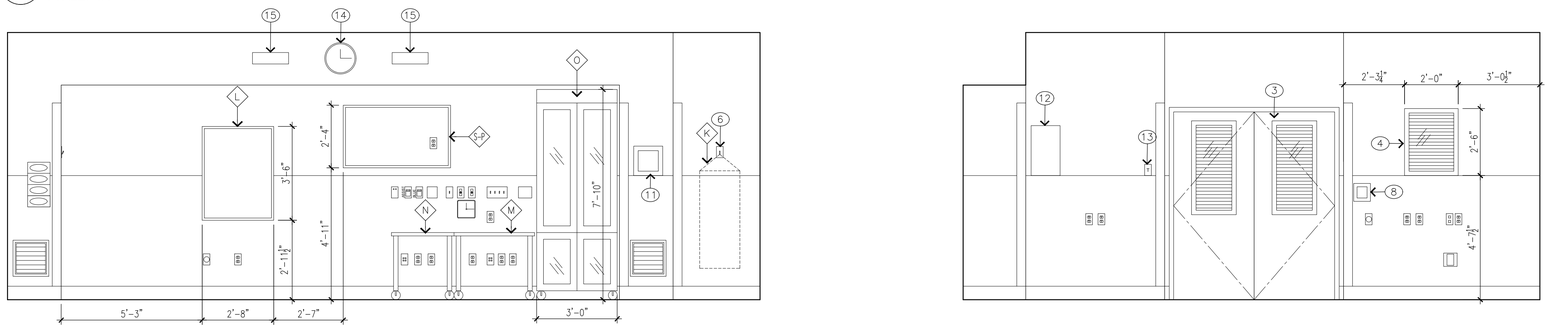
SHEET #:
A6.1

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

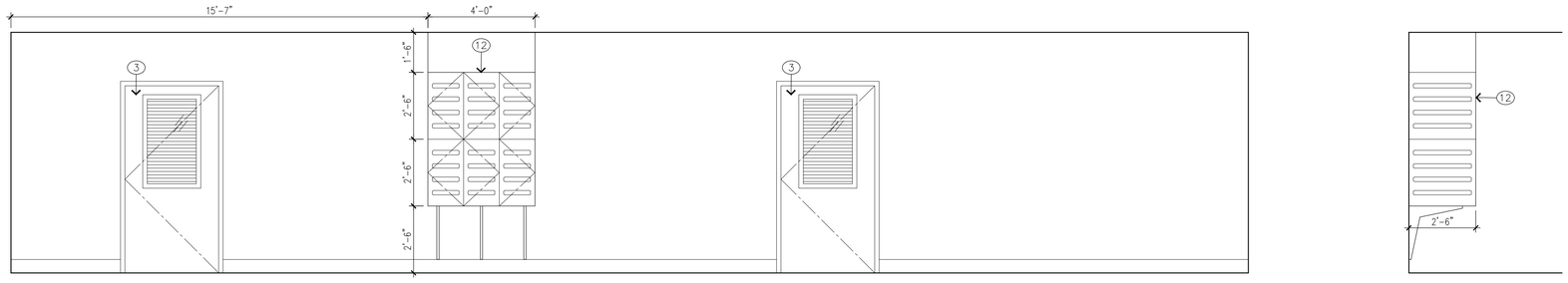
Building	Planning
Engineering	Public Works
Fire	Traffic



8 Operating Room #8 (M285)
SCALE: 3/8" = 1'-0"



8 Operating Room #8 (M285)
SCALE: 3/8" = 1'-0"



7A Clean Storage (M289)
SCALE: 3/8" = 1'-0"

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MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021

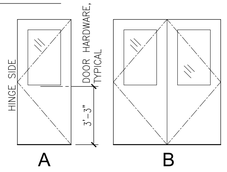
SHEET TITLE:
INTERIOR ELEVATIONS

SHEET #:
A6.2

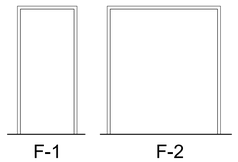
DOOR SCHEDULE

NUMBER	CLASS	DOOR SIZE	DOOR THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL THRESHOLD	GLAZING TYPE	GLAZING RATING	FIRE RATING	LEAD SHIELDING	HARDWARE SCHEDULE: HINGES	LOCK	CYLINDER	CLOSER	WALL STOP	OVERHEAD STOP	GASKETING	PANIC	KICKPLATE	MAGNETIC HOLD-OPEN	FINISH	NOTES
M285.1	NEW	6'-0" X 7'-0"	1¾"	B	SC	PL	F-2	HM	MP	2/A7.1	2/A7.0 SIM	–	GL3	NR	NR	Y	6	N	N	Y	Y	N	N	N	Y	N	DC	1, 2, 3, 4, 5, 6
M285.2	NEW	3'-0" X 7'-0"	1¾"	A	SC	PL	F-1	HM	MP	2/A7.1	2/A7.0 SIM	–	GL3	NR	NR	Y	3	N	N	Y	Y	N	N	N	Y	N	DC	1, 3, 4, 5, 6
M286.1	NEW	6'-0" X 7'-0"	1¾"	B	SC	PL	F-2	HM	MP	2/A7.1	2/A7.0 SIM	–	GL3	NR	NR	Y	6	N	N	Y	Y	N	N	N	Y	N	DC	1, 2, 3, 4, 5, 6
M286.2	NEW	3'-0" X 7'-0"	1¾"	A	SC	PL	F-1	HM	MP	2/A7.1	2/A7.0 SIM	–	GL3	NR	NR	Y	3	N	N	Y	Y	N	N	N	Y	N	DC	1, 3, 4, 5, 6

DOOR TYPES



DOOR FRAMES



GENERAL NOTES

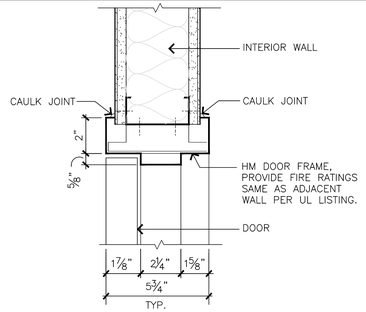
1. ALL DOORS TO BE 1¾" THICK, UNLESS NOTED OTHERWISE.
2. DOOR GLAZING COLUMN REFERS TO DOOR, SIDELIGHT AND TRANSOM.
3. LABEL COLUMN NUMBER INDICATES THE RATING IN MINUTES, UNLESS NOTED OTHERWISE.
4. GLAZING DIMENSIONS FOR DOOR TYPES ARE TO INSIDE OF FRAME (CLEAR GLAZING AREA).
5. RELITE GLAZING AND STOP TO OCCUR ON CORRIDOR/HALLWAY SIDE OF FRAME, UNLESS NOTED OTHERWISE.
6. STRIKE JAMB DETAIL IS SIMILAR TO HINGE JAMB DETAIL, UNLESS NOTED OTHERWISE.
7. VERIFY WALL CONSTRUCTION FOR FRAME DEPTH.
8. ALL DOOR HARDWARE SHOULD COMPLY WITH 'ADA' REQUIREMENTS. SEE SPEC FOR HARDWARE SET INFORMATION.
9. VERIFY EXISTING WALL CONSTRUCTION FOR FRAME DEPTHS.
10. DOOR HARDWARE TO MATCH EXISTING.

CODED NOTES

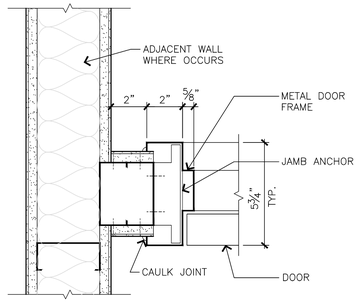
1. NEW DOORS TO BE FINISHED TO MATCH DOORS OF SURGICAL DEPARTMENT.
2. CARD READER AND ELECTRIC DOOR STRIKE (SEE ELECTRICAL)
3. SEE DETAIL 19/A8.1 FOR MANEUVERING CLEARANCES AT DOORS.
4. SEE RADIATION SHIELDING REPORT FOR REQUIRED LEAD THICKNESS
5. PROVIDE PIVOT SET HINGES IN LEAD SHIELDED DOORS – ARCHITECTURAL BUILDERS HARDWARE MFG, ITEM #L0147, OR APPROVED EQUAL.
6. PROVIDE DOOR PROTECTION, EACH SIDE OF DOOR

LEGEND

GENERAL:	N	NO
	N/A	NOT APPLICABLE
	Y	YES
THICKNESS:	TYPICAL	ALL DOORS 1¾" UNLESS OTHERWISE INDICATED BY MANUFACTURER
	0	THICKNESS TO MATCH EXIST. FRAME (VERIFY)
MATERIAL:	SC	SOLID CORE WOOD (TYPICAL)
	HM	HOLLOW METAL
	AG	ALUMINUM AND GLASS
	WV	WOOD PANEL/VINYL
FINISH:	PL	PLASTIC LAMINATE
	MP	METAL, PAINTED
	AA	ANODIZED ALUMINUM, MILL FINISH
	BM	BY MANUFACTURER
	NF	NATURAL FINISH (SYNTHETIC)
	WS	WOOD, STAINED (TYPICAL)
GLAZING:	CW	CLEAR WIRE
	CT	CLEAR TEMPERED
	TT	TINTED TEMPERED
	FL	FIRELITE
	VC	VISION CONTROL (INTEGRAL BLINDS)
	LC	LEAD SHIELDING
FIRE RATING:	20, 60, 90 MIN. 1, 1½ HOUR, ETC. – INDICATES LABEL	
FRAME:	HM	HOLLOW METAL
	AL	ALUMINUM
	S	STEEL
	BM	BY MANUFACTURER
	0	EXISTING FRAME TO REMAIN. PAINT TO MATCH ADJACENT WALL.
	WD	WOOD, PAINTED
HARDWARE:	DC	DULL CHROME



2 DOOR - HEAD
SCALE: 3" = 1'-0"



1 DOOR - JAMB
SCALE: 3" = 1'-0"

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOORING MATL	FLOORING FIN	FLOORING CLR	BASE FIN	BASE CLR	NORTH WALL MATL	NORTH WALL FIN	NORTH WALL CLR	EAST WALL MATL	EAST WALL FIN	EAST WALL CLR	SOUTH WALL MATL	SOUTH WALL FIN	SOUTH WALL CLR	WEST WALL MATL	WEST WALL FIN	WEST WALL CLR	CEILING MATL	CEILING FIN	CEILING HEIGHT	CODED NOTES	P-LAM	WAINSCOT	ROOM NO.
M285	OPERATING ROOM #8	(E)CONC	SV	SV1	ICB	SV1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	GWB	PT	P1	ACT	FF	9'-6"	1 2	–	WC-1	M285
M286	OPERATING ROOM #7	(E)CONC	SV	SV1	ICB	SV1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	GWB	PT	P1	ACT	FF	9'-6"	1 2	–	WC-1	M286
																						1			
M294	CORRIDOR	(E)CONC	SV	SV2	RB	RB1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	ACT	FF	8'-0"		–	–	M294
M295	CORRIDOR	(E)CONC	SV	SV2	RB	RB1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	ACT	FF	8'-0"	1	–	–	M295
M295.1	GURNEY ALCOVE	(E)CONC	SV	SV2	RB	RB1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	ACT	FF	8'-0"	1 2	–	–	M295.1
M295.3	SCRUB AREA	(E)CONC	SV	SV2	RB	RB1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	ACT	FF	8'-0"	1 2	–	WC-1	M295.3
M295.4	SCRUB AREA	(E)CONC	SV	SV2	RB	RB1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	ACT	FF	8'-0"	1 2	–	–	M295.4
M295.6	GURNEY ALCOVE	(E)CONC	SV	SV2	RB	RB1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	(E)GWB	PT	P1	ACT	FF	8'-0"	1 2	–	–	M295.6

GENERAL NOTES

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

CODED NOTES

1. NEW FLOORING
2. NEW CEILING

ABBREVIATIONS

ADJ	ADJUSTABLE
AC	ACOUSTIC TREATMENT
ACC	ACCORDION DOOR
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES
AV	AUDIO/VISUAL
AWC	ACOUSTICAL WALLCOVERING
AWP	ACOUSTICAL WALL PANEL
BD	BOARD
BRK	BRICK
BROOM	LIGHT BROOM FINISH (CONCRETE)
CAB	CABINET
CG	CORNER GUARD
CLR	COLOR
CK	CORK
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CT	CERAMIC TILE
CSV	COVED SHEET VINYL
DF	DRINKING FOUNTAIN
(E)	EXISTING
EP	EPOXY PAINT
EX-S	EXPOSED STRUCTURE
FF	FACTORY FINISH
FIN	FINISH
FLR	FLOOR
FRP	FIBERGLASS REINFORCED PLASTIC
GMU	GLAZED MASONRY UNIT
GYP	GYPSUM WALL BOARD
GWB	GYPSUM WALLBOARD
MATL	MATERIAL
MDF	MEDIUM DENSITY FIBERBOARD
MTL	METAL
MTL-S	METAL SIDING
MASN	MASONRY
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OP	OPERABLE PARTITION
PLAM	PLASTIC LAMINATE
PL	PLASTIC LAMINATE
PLA	PLASTER
PNL	PANEL
PR(#)	PROJECTION SCREEN (LENGTH)
PT	PAINT
PTD	PAPER TOWEL DISPENSER
PWD	PLYWOOD
RB	RUBBER BASE
RF	RUBBER FLOORING
RC	ROLL-UP CURTAIN
SD	LIQUID SOAP DISPENSER
SEM	SURFACE-MOUNTED ENTRY MAT
SF	STOREFRONT
SV	SHEET VINYL
TB(#)	TACK BOARD (LENGTH)
TBS	TO BE SELECTED
TG	TONGUE & GROOVE CEDAR, STAINED
TP	TOILET PARTITION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UPT	UNGLAZED PORCELAIN TILE
V	VOLUME
VCT	VINYL COMPOSITION TILE
VP	VENEER PLASTER
VWC	VINYL WALLCOVERING
WB(#)	WHITE BOARD (LENGTH)
WD	WOOD
WOM	WALK OFF MAT
WRGWB	WATER-RESISTANT GYP BD

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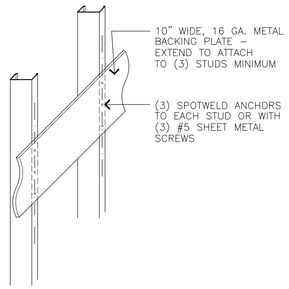
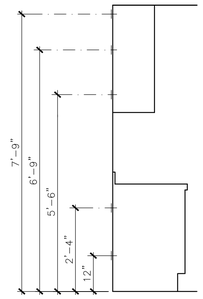
PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021

SHEET TITLE:
DOOR & FINISH SCHEDULES, DETAILS

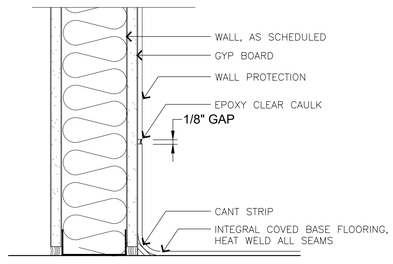
SHEET #:
A7.1



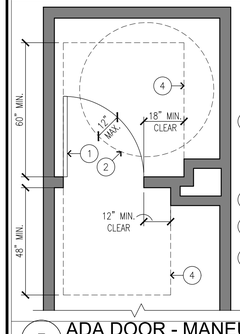
20 BACKING PLATE
N.T.S.



19 BACKING PLATE HTS. AT CABS.
SCALE: 1/2" = 1'-0"



10 INTEGRAL COVED BASE
SCALE: 1-1/2" = 1'-0"



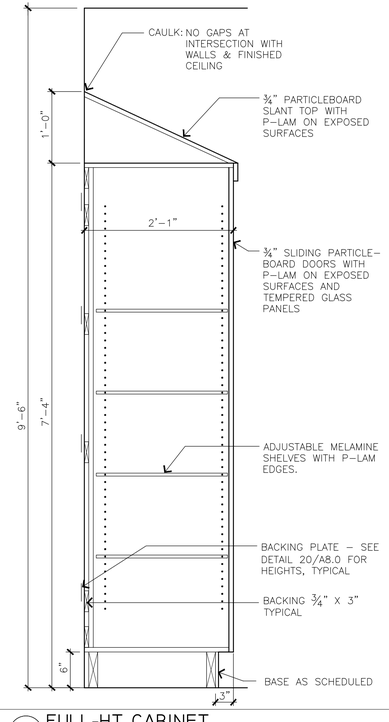
GENERAL NOTES:

1. FOR ADDITIONAL INFORMATION REFER TO ANSI A117.1–2003

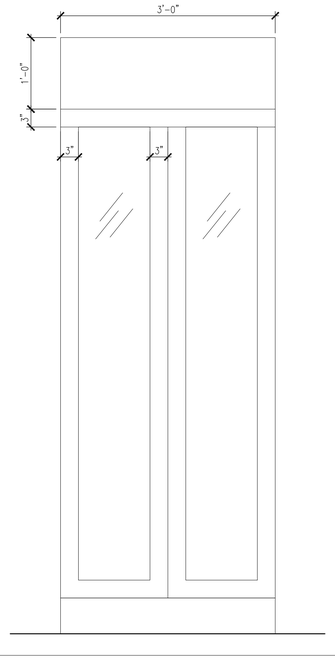
KEYED NOTES:

1. DOOR SHALL HAVE A MINIMUM CLEAR OPENING WIDTH OF 32" (MEASURED FROM FACE OF DOOR TO OPPOSITE JAMB WHEN DOOR IS IN OPEN POSITION)
2. 60" DIAMETER TURNING SPACE
3. MANEUVERING SPACE: FRONT APPROACH, PULL SIDE
4. MANEUVERING SPACE: FRONT APPROACH, PUSH SIDE

5 ADA DOOR - MANEUVERING SPACE
SCALE: 3/8" = 1'-0"



4 FULL-HT CABINET
SCALE: 1" = 1'–0"



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206-601-6645

8466 REGISTERED ARCHITECT
Karsea M. Langlois
STATE OF WASHINGTON

OWNER:
MultiCare Tacoma General Hospital

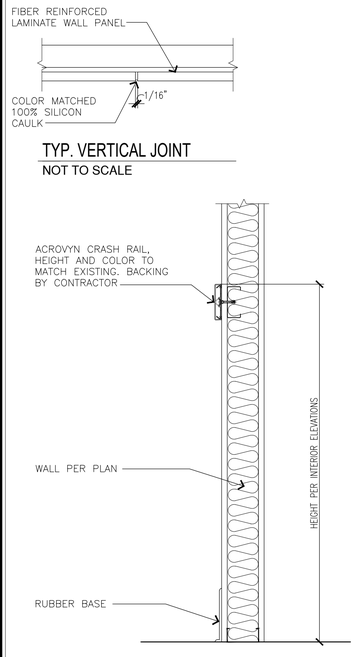
PROJECT NAME:
OR 7&8 Buildout
Good Samaritan Hospital
401 15th Ave SE
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021

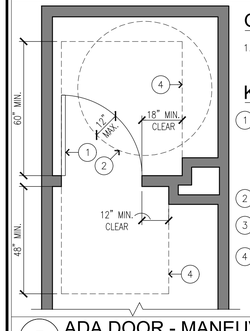
SHEET TITLE:
DETAILS

SHEET #:
A8.0



TYP. VERTICAL JOINT
NOT TO SCALE

10 TYP. FIBER REINFORCED LAMINATE WAINSCOT
SCALE: 1-1/2" = 1'-0"



GENERAL NOTES:

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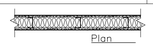
KEYED NOTES:

1. DOOR SHALL HAVE A MINIMUM CLEAR OPENING WIDTH OF 32" (MEASURED FROM FACE OF DOOR TO OPPOSITE JAMB WHEN DOOR IS IN OPEN POSITION)
2. 60" DIAMETER TURNING SPACE
3. MANEUVERING SPACE: FRONT APPROACH, PULL SIDE
4. MANEUVERING SPACE: FRONT APPROACH, PUSH SIDE

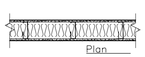
5 ADA DOOR - MANEUVERING SPACE
SCALE: 3/8" = 1'-0"

1 INTERIOR PARTITION TYPE 1: NR
5/8" Type 'X' GWB to deck above
4" metal studs @ 16" o.c. to deck above
Sound attenuation batts to fill call cavity
5/8" Type 'X' GWB to deck above



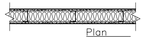
2 INTERIOR PARTITION TYPE 2: NR
5/8" Type 'X' GWB to deck above
4" metal studs @ 16" o.c. to deck above
Sound attenuation batts to fill call cavity
Lead lining per shielding report
5/8" Type 'X' GWB to deck above

3 INTERIOR PARTITION TYPE 3: NR
5/8" Type 'X' GWB to deck above
6" metal studs @ 16" o.c. to deck above
Sound attenuation batts to fill call cavity
Lead lining per shielding report
5/8" Type 'X' GWB to deck above



4 INTERIOR PARTITION TYPE 1: NR
3–5/8" metal studs @ 16" o.c. to deck above
Sound attenuation batts to fill call cavity
Lead lining per shielding report
5/8" Type 'X' GWB to deck above

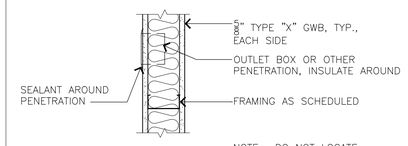
5 INTERIOR PARTITION TYPE 2: NR
Existing 5/8" Type 'X' GWB to deck above
Existing 4" metal studs @ 16" o.c. to deck above
Sound attenuation batts to fill call cavity
Lead lining per shielding report
5/8" Type 'X' GWB to deck above



GENERAL WALL TYPE NOTES

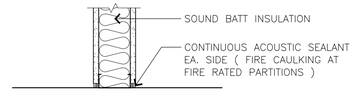
1. ALL WALL SUBSTRATES AND SHEATHINGS EXTEND TO DECL ABOVE UNO.
2. PROVIDE FLOOR OR ROOF ACOUSTICAL INSULATION IN ALL INTERIOR FRAMED WALLS AND FLOOR/CEILING ASSEMBLIES UNO.
3. ACOUSTICAL INSULATION NOT REQUIRED AT PARTIAL HEIGHT AND PARTIAL LENGTH (STUB) WALLS, WALLS BETWEEN STORAGE ROOMS, WALLS BETWEEN STORAGE ROOMS AND HALLWAYS, ELECTRICAL ROOMS, OR OTHER STORAGE ROOM
4. ANY PENETRATION THROUGH A RATED WALL, INCLUDING THOSE FOR PIPES, CONDUITS, AND DUCTS SHALL BE FIRE CAULKED. SEE MECH./ELEC. DRAWINGS FOR ITEMS THAT PENETRATE.
5. TYPICAL INTERIOR WALL TYPE IS TYPE '4', UNO. TYPICAL INTERIOR WALL IS NOT FLAGGED, EXCEPT FOR CLARITY.
6. ALL STUD FRAMING AND FURRING 16" O.C. UNO.
7. A WALL TYPE CONTINUES THE FULL ROOM LENGTH, INCLUDING ANY JOGS, ANGLES, RECESSES, OR STUB WALLS, UNO. ANY WALL SEGMENT NOT FLAGGED IS TO BE CONSTRUCTED PER THE ADJACENT WALL OR NEAREST FLAGGED WALL, UNLESS SHOWN OTHERWISE.
8. WHERE DIFFERENT STUD SIZES / LAYERS OF SHTHG OCCUR ALONG A CORRIDOR/ HALLWAY WALL, IT IS INTENDED THAT THE CORRIDOR SIDES ALIGN UNO.
9. ALL GWB SURFACES AND MASONRY TO BE PREPARED FOR PAINT GRADE FINISH UNO.
10. SEE INTERIOR ELEVATIONS FOR LOCATIONS OF P–LAM MDF, ACOUSTICAL PANELS OR OTHER APPLIED WALL FINISHES.
11. USE WATER RESISTANT GYP. BD IN MOISTURE PRONE AREAS

4 WALL TYPES
SCALE: 1/2" = 1'-0"



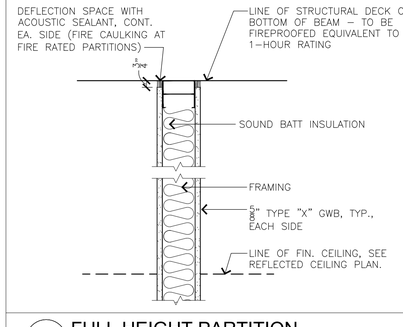
NOTE: DO NOT LOCATE OUTLETS/BOXES BACK–TO–BACK

7 PARTITION - TYPICAL PENETRATIONS
SCALE: 1-1/2" = 1'-0"

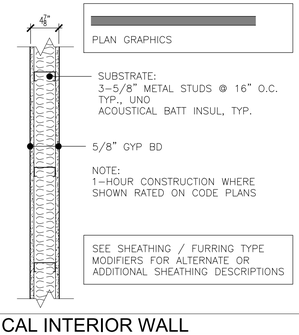


NOTE: SEALANT/CAULKING USED FOR ACOUSTIC PURPOSES MUST BE RATED FOR SUCH USE.

6 PARTITION - TYPICAL SILL
SCALE: 1-1/2" = 1'-0"



2 FULL HEIGHT PARTITION
SCALE: 1-1/2" = 1'-0"



1 TYPICAL INTERIOR WALL
SCALE: 1" = 1'-0"

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8466 REGISTERED ARCHITECT
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OWNER:
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MARK	DATE	DESCRIPTION
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	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY: K LANGLOIS
DATE: 2 APRIL 2021

SHEET TITLE:
WALL TYPES, DETAILS

SHEET #:
A8.1

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 2018 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 DETAILS. SOME SECONDARY ELEMENTS ARE NOT DIMENSIONED, SUCH AS WALL CONFIGURATIONS, INCLUDING EXACT DOOR AND WINDOW LOCATIONS, ALCOVES, 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

LATERAL FORCES

THE STRUCTURAL SCOPE OF WORK IS TO ANCHOR MEDICAL OPERATING BOOMS AND HANGING LIGHTING SYSTEMS TO EXISTING SLAB ABOVE.

SEISMIC: (ASCE 7-16) CHAPTER 13

SEISMIC IMPORTANCE FACTOR, Ie = 1.5
RISK CATEGORY OF BUILDING PER IBC TABLE 1604.5 = IV
SPECTRAL RESPONSE ACCELERATIONS S_S = 1.26 & S_1 = 0.436
SITE CLASS PER TABLE 20.3-1 = C
DESIGN SPECTRAL RESPONSE ACCELERATIONS S_{DS} = 1.013 & S_{D1} = 0.436
SEISMIC DESIGN CATEGORY = D

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.

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:
- EXPANSION ANCHORS: KWIKBOLT TZ (ICC ESR-1917) BY HILTI, INC., AND STRONG-BOLT 2 (ICC ESR-3037) BY SIMPSON.
- SCREW ANCHORS: KWIK HUS-EZ (ICC ESR-3027) BY HILTI, INC., AND TITEN HD (ICC ESR-2713) BY SIMPSON

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.

STEEL MEMBERS ARE EQUALLY SPACED BETWEEN COLUMNS AND/OR DIMENSION POINTS UNLESS NOTED OTHERWISE.

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.

STEEL FABRICATORS

WABO Fabricators required by Puyallup per IBC 1704.2.5
Special inspection of fabricated items

ALL STEEL FABRICATION SHALL BE PERFORMED BY A FABRICATOR CERTIFIED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION. THE FABRICATOR SHALL BE DESIGNATED AN AISC CERTIFIED PLANT, CATEGORY BU AT THE TIME OF BID AND SHALL MAINTAIN THIS CERTIFICATION FOR THE DURATION OF THE PROJECT.

NON-AISC CERTIFIED STEEL FABRICATORS SHALL HAVE FIVE YEARS MINIMUM EXPERIENCE ON SIMILAR PROJECTS OF EQUAL OR LARGER COMPLEXITY AND SCOPE. QUALIFICATIONS SHALL BE SUBMITTED TWO WEEKS PRIOR TO [BID / SHOP DRAWING PRODUCTION].

STEEL ERECTORS

ALL STEEL ERECTION SHALL BE PERFORMED BY AN ERECTOR CERTIFIED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION. THE ERECTOR SHALL BE DESIGNATED AN AISC CERTIFIED ERECTOR, CATEGORY CSE AT THE TIME OF BID AND SHALL MAINTAIN THIS CERTIFICATION FOR THE DURATION OF THE PROJECT.

NON-AISC CERTIFIED STEEL ERECTORS SHALL HAVE FIVE YEARS MINIMUM EXPERIENCE ON SIMILAR PROJECTS OF EQUAL OR LARGER COMPLEXITY AND SCOPE. QUALIFICATIONS SHALL BE SUBMITTED TWO WEEKS PRIOR TO [BID / SHOP DRAWING PRODUCTION].

STEEL DETAILERS

ALL STEEL DETAILING SHALL BE PERFORMED BY A DETAILER WITH FIVE YEARS MINIMUM EXPERIENCE ON SIMILAR PROJECTS OF EQUAL OR LARGER COMPLEXITY AND SCOPE. QUALIFICATIONS SHALL BE SUBMITTED TWO WEEKS PRIOR TO [BID / SHOP DRAWING PRODUCTION].

MATERIAL PROPERTIES

ANGLES AND PLATES: ASTM A36 (Fy = 36 KSI) TYP. U.N.O.

WELDING

STRUCTURAL STEEL: WELD IN ACCORDANCE WITH "STRUCTURAL WELDING CODE" AWS D1.1.

LATERAL FORCE-RESISTING SYSTEM: WELD IN ACCORDANCE WITH "STRUCTURAL WELDING CODE SEISMIC SUPPLEMENT" AWS D1.8.

CERTIFICATION: ALL WELDING SHALL BE PERFORMED BY WABO/AWS CERTIFIED WELDERS. WELDERS SHALL BE PREQUALIFIED FOR EACH POSITION AND WELD TYPE WHICH THE WELDER WILL BE PERFORMING.

WELD TABS (ALSO KNOWN AS WELD "EXTENSION" TABS OR "RUN OFF" TABS) SHALL BE USED. AFTER THE WELD HAS BEEN COMPLETED THE WELD TABS SHALL BE REMOVED AND THE WELD END GROUND TO A SMOOTH CONTOUR. WELD "DAMS" OR "END DAMS" SHALL NOT BE USED.

THE PROCESS CONSUMABLES FOR ALL WELD FILLER METAL INCLUDING TACK WELDS, ROOT PASS AND SUBSEQUENT PASSES DEPOSITED IN A JOINT SHALL BE COMPATIBLE.

ALL WELD FILLER METAL AND WELD PROCESS SHALL PROVIDE THE TENSILE STRENGTH AND CHARPY V-NOTCH RATINGS AS FOLLOWS:

LATERAL FORCE-RESISTING SYSTEM

WELD TYPE	FILLER METAL TENSILE STRENGTH	CHARPY V-NOTCH (CVN) RATING
FILLET	70 KSI	20 FT-LBS @ 0 DEG F
PARTIAL PENETRATION	70 KSI	20 FT-LBS @ 0 DEG F
COMPLETE PENETRATION	70 KSI	20 FT-LBS @ 0 DEG F
FILLET (1)	70 KSI	40 FT-LBS @ 70 DEG F
PARTIAL PENETRATION (1)	70 KSI	40 FT-LBS @ 70 DEG F
COMPLETE PENETRATION (1)	70 KSI	40 FT-LBS @ 70 DEG F

(1) DCW LOCATIONS ARE INDICATED IN THE DETAILS.

WELDED CONNECTIONS INSPECTION:

1. ALL WELDING SHALL BE CHECKED BY VISUAL MEANS AND BY OTHER METHODS DEEMED NECESSARY BY THE WELDING INSPECTOR.
2. ALL FULL PENETRATION WELDS TO MEMBERS WHICH FORM A PORTION OF THE LATERAL FORCE-RESISTING SYSTEM SHALL BE CHECKED 100 PERCENT BY ULTRASONIC TESTING.
3. THE CONTRACTOR SHALL SUBMIT A WRITTEN WELDING PROCEDURE SPECIFICATION FOR SHOP AND FIELD WELDING OF ALL LATERAL FORCE-RESISTING SYSTEM CONNECTIONS FOR APPROVAL TO THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION.

THE STANDARDS OF ACCEPTANCE FOR WELDS TESTED BY ULTRASONIC METHODS SHALL CONFORM TO AWS D1.1.

ALL WELDS FOUND TO BE DEFECTIVE SHALL BE REPAIRED AND REINSPECTED BY THE SAME METHODS ORIGINALLY USED, AND THIS REPAIR AND REINSPECTION SHALL BE PAID FOR BY THE CONTRACTOR

GENERAL REQUIREMENTS

BOLTED CONNECTIONS INSPECTION: CONNECTIONS MADE WITH BEARING TYPE BOLTS SHALL BE INSPECTED PER SECTION 9.1 AND CONNECTIONS MADE WITH SLIP-CRITICAL TYPE BOLTS (A325SC OR A490SC) SHALL BE INSPECTED PER SECTION 9.3 OF RCSC SPECIFICATION.

FINISH: STRUCTURAL STEEL SHALL BE UNPAINTED, UNLESS NOTED OTHERWISE, AND SHALL BE CLEAN OF LOOSE RUST, LOOSE MILL SCALE, OIL, GREASE AND OTHER FOREIGN SUBSTANCES AND SHALL MEET THE REQUIREMENTS OF SSPC-SP1. ALL SURFACES WITHIN TWO INCHES OF ANY FIELD WELD LOCATION SHALL BE FREE OF MATERIALS THAT WOULD PREVENT PROPER WELDING OR PRODUCE OBJECTIONABLE FUMES.

COLD-FORMED STEEL FRAMING CONSTRUCTION:

THE DESIGN, INSTALLATION AND CONSTRUCTION OF COLD-FORMED CARBON OR LOW-ALLOY STEEL, STRUCTURAL AND NON-STRUCTURAL STEEL FRAMING, SHALL BE IN ACCORDANCE WITH IBC SECTION 2211 AND AMERICAN IRON AND STEEL INSTITUTE (AISI) STANDARD S100-16 AND S240-15 AND SHALL BE MANUFACTURED BY A MEMBER OF THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA), CERTIFIED STEEL STUD ASSOCIATION (CSSA), STEEL FRAMING INDUSTRY ASSOCIATION (SFIA), OR PRE-APPROVED EQUAL, IN ACCORDANCE WITH A CURRENT ICC EVALUATION SERVICE REPORT, AISI S202-15 AND S240-15. ALL 54 MIL AND HEAVIER GALVANIZED MEMBERS SHALL BE FORMED FROM STEEL THAT MEETS THE REQUIREMENTS OF ASTM A653, QUALITY SQ, GRADE 50, CLASS 1, FY= 50 KSI. ALL 43 MIL AND LIGHTER GALVANIZED MEMBERS SHALL BE FORMED FROM STEEL THAT MEETS THE REQUIREMENTS OF ASTM A653, QUALITY SQ, GRADE 33, FY=33 KSI. BRIDGING PER MANUFACTURER'S REQUIREMENTS AND AS SHOWN IN THE STRUCTURAL DRAWINGS SHALL BE IN PLACE PRIOR TO PLACING OF ANY CONSTRUCTION LOADS. ALL RUNS SHALL BE RIGIDLY ANCHORED TO END WALLS.

INTERIOR NON-BEARING WALL, CEILING, SOFFIT, AND OTHER MISC. COLD-FORMED STEEL FRAMING: COLD-FORMED STEEL FRAMING MEMBERS SHALL MEET THE TYPE, SIZE, AND THICKNESS AS INDICATED IN THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS, AND SHALL CONFORM TO THE MINIMUM PERSCRIPTIVE REQUIREMENTS OF THE GYPSUM CONSTRUCTION HANDBOOK BY CGC, INC. FRAMING CONDITIONS THAT EXCEED THE WEIGHT, SPAN OR HEIGHT LIMITATIONS SHALL BE CONSTRUCTED USING APPLICABLE DETAILS ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, DETAILING, FABRICATION AND ERECTION OF ALL COLD-FORMED FRAMING NOT SPECIFICALLY DETAILED IN THE GYPSUM CONSTRUCTION HANDBOOK OR ON THE STRUCTURAL DRAWINGS. THE DESIGN AND DETAILING OF THE COLD-FORMED STEEL FRAMING AND CONNECTION TO THE STRUCTURE SHALL BE PREPARED UNDER THE DIRECTION OF AND SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT AND SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO CONSTRUCTION.

COLD-FORMED STEEL FRAMING SUBSTITUTION: AT THE CONTRACTOR'S OPTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, DETAILING, FABRICATION AND ERECTION OF THE INTERIOR NON-BEARING COLD-FORMED STEEL FRAMING NOT OCCURING AT BRICK VENEER AND THE CONNECTION OF THE COLD-FORMED STEEL FRAMING TO THE STRUCTURE. THE DESIGN AND DETAILING OF THE COLD-FORMED STEEL FRAMING AND CONNECTION TO THE STRUCTURE SHALL BE PREPARED UNDER THE DIRECTION OF AND STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT AND SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO CONSTRUCTION.

POWDER ACTUATED FASTENERS: SHALL BE X-U UNIVERSAL KNURLED SHANK FASTENER BY HILTI OR PRE-APPROVED EQUAL. INSTALL PER ALL MANUFACTURER'S PUBLISHED RECOMMENDATIONS. COLD-FORMED STEEL TO STRUCTURAL STEEL: UNLESS NOTED OTHERWISE, PROVIDE 0.157" SHANK DIAMETER X-U LOW-VELOCITY FASTENER - FASTENER TIP SHALL PENETRATE STRUCTURAL STEEL. COLD-FORMED STEEL TO CONCRETE: UNLESS NOTED OTHERWISE, PROVIDE 0.157" SHANK DIAMETER X-U LOW-VELOCITY FASTENER - EMBED 1-1/2" MINIMUM INTO CONCRETE, UNLESS NOTED OTHERWISE.

SLIP CONNECTIONS: THE STEEL NETWORK "VERTICLIP" OR PRE-APPROVED EQUAL. MATCH CLIP WITH STUD SIZE AND THICKNESS. ATTACH PER MANUFACTURER'S REQUIREMENTS.

METAL-BACKED GWB STRUCTURAL PANELS: SHALL BE "SURE-BOARD SERIES 200" STRUCTURAL PANELS BY CALIFORNIA EXPANDED METAL PRODUCTS CO. (CEMCO), OR APPROVED EQUAL. PANELS ARE TO BE INSTALLED VERTICALLY WITH ALL EDGES BLOCKED.

FIBER-REINFORCED CEMENT BOARD: SHALL BE "ARMOROC" CEMENT BOARD AS MANUFACTURED BY AMERIFORM, OR APPROVED EQUAL. MANUFACTURER TO PROVIDE FASTENERS AND ACCESSORIES AS REQUIRED TO ACHIEVE FIRE RATINGS AS NOTED ON ARCHITECTURAL DRAWINGS.

MISCELLANEOUS:

PRE-APPROVED SUBSTITUTIONS: SUBSTITUTIONS MAY BE ALLOWED ONLY IF THEY MEET THE REQUIREMENTS OF THESE GENERAL NOTES AND THE SPECIFICATIONS, AND IF COMPLETE WRITTEN ENGINEERING DATA FOR EACH CONDITION REQUIRED FOR THIS PROJECT IS PROVIDED TO THE STRUCTURAL ENGINEER TWO WEEKS PRIOR TO BID DATE AND APPROVED IN WRITTEN ADDENDA BY THE ARCHITECT. DATA IS TO INDICATE CODE BASIS BY YEAR, AUTHORITY FOR STRESSES AND STRESS INCREASES, IF ANY, AND AMOUNT OF EXPECTED DEFLECTION FOR FLEXURAL MEMBERS UNDER (1) TOTAL LOAD AND (2) LIVE LOAD ONLY. ALL INCREASED COSTS IN MECHANICAL, SPRINKLER, ELECTRICAL OR GENERAL INSTALLATION AND ANY ARCHITECTURAL OR STRUCTURAL REDESIGN RESULTING FROM SUBSTITUTION SHALL BE BORNE BY THE GENERAL CONTRACTOR.

Puyallup Comment (TYP):
At inspectors discretion these items may be reviewed in the field

SHOP DRAWINGS/SUBMITTALS

THE FOLLOWING SHOP DRAWINGS/SUBMITTALS SHALL BE PROVIDED FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION OR DELIVERY.

		STRUCTURAL ENGR.	BLDG. DEPT.
1.	STRUCTURAL STEEL	X	X
2.	COLD-FORMED STEEL FRAMING	X	X

DEFERRED SUBMITTALS

THE FOLLOWING ARE NOT INCLUDED WITH THE BUILDING PERMIT DRAWINGS AND SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL AS A DEFERRED SUBMITTAL. SUBMITTALS SHALL BE STAMPED BY A ENGINEER LICENSED IN THE STATE OF THE PROJECT AS NOTED.

		ENGINEER STAMP REQUIRED
1.	COLD-FORMED STEEL FRAMING	SE

SPECIAL INSPECTION: SPECIAL INSPECTION SHALL BE PROVIDED BY AN INDEPENDENT TESTING LABORATORY PER THE REQUIREMENTS OF IBC CHAPTER 17 AND THE LOCAL BUILDING OFFICIAL OR APPLICABLE JURISDICTION AND THE CONTRACT DOCUMENTS. THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS AND A FINAL SIGNED REPORT TO THE BUILDING OFFICIAL FOR THE ITEMS LISTED IN THE QUALITY ASSURANCE/SPECIAL INSPECTION SECTION:

STRUCTURAL DRAWING INDEX

SHEET NUMBER	SHEET DESCRIPTION
S1.00	GENERAL NOTES
S1.01	GENERAL NOTES
S2.00	SECOND FLOOR ROOM PLAN
S2.01	PARTIAL 3RD FLOOR PLAN
S3.00	CEILING SUPPORT DETAILS
S4.01	MEDICAL EQUIPMENT SUPPORT FRAME DETAILS
S5.01	NON-BEARING COLD FORMED STEEL FRAMING DETAILS
S5.02	NON-BEARING COLD FORMED STEEL FRAMING DETAILS
S5.03	NON-BEARING COLD FORMED STEEL FRAMING DETAILS
Grand total: 9	

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206-601-6645

TODD PAUL PARKER — STATE OF WASHINGTON — 48217 — REGISTERED PROFESSIONAL ENGINEER

OWNER:
MultiCare Tacoma General Hospital

PROJECT NAME:
OR 7&8 Buildout
Good Samaritan Hospital
401 15th Ave SE
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY: RSC
DATE: 2 APRIL 2021

SHEET TITLE: GENERAL NOTES

SHEET #: S1.00

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
STEEL CONSTRUCTION	MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS		X		AISC 360 CHAPTER N5
	HIGH-STRENGTH BOLTING A. SNUG-TIGHT JOINTS B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST OFF BOLTS OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION		X X		AISC 360 CHAPTER N5 AISC 341 CHAPTER J7
	MATERIAL VERIFICATION OF STRUCTURAL STEEL A. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360 B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS		X X	MANUFACTURER TO PROVIDE CERTIFIED MILL TEST REPORTS	AISC 360 CHAPTER N5 AISC 341 CHAPTER J6
	MATERIAL VERIFICATION OF WELD FILLER MATERIALS A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATIONS LISTED IN GENERAL NOTES B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE		X X	MANUFACTURER TO PROVIDE CERTIFICATE OF COMPLIANCE	AISC 360 CHAPTER N5
	INSPECTION OF WELDING A. COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS B. MULTI-PASS FILLET WELDS C. SINGLE-PASS FILLET WELDS > 5/16" D. PLUG AND SLOT WELDS E. SINGLE-PASS FILLET WELDS ≤ 5/16" F. FIELD-INSTALLED WELDED STUDS	X X X X	X X	SPECIAL INSPECTIONS IN THIS SECTION ARE WAIVED WHERE FABRICATION IS PERFORMED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5	AISC 360 CHAPTER N5 AISC 341 CHAPTER J6 AWS D1.1
CONCRETE	ANCHORS POST-INSTALLED IN HARDENED CONCRETE (MECHANICAL ANCHORS INSTALLED IN ANY DIRECTION)		X	PERIODIC INSPECTION TO INCLUDE A QUANTITY OF 10% WITH A MINIMUM OF (5) ANCHORS INSPECTED PER INSTALLER ON A DAILY BASIS.	ACI 318: 17.8.2 MFR EVAL REPORT MFR PUBLISHED INSTALLATION INSTRUCTIONS
SUSPENDED CEILINGS	ANCHORAGE AND SEISMIC BRACING		X		

WABO Fabricators required by Puyallup per IBC 1704.2.5
Special inspection of fabricated items

Anchors: Provide ICC -ESR on site for inspections
Special inspection is required ; See ICC ESR for additional details.

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.

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.

Final letters are required do all special inspection, third party inspection and inspection by registered professionals. Inspectors may require final letters per IBC 104.4.

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
CMU	CONCRETE MASONRY UNIT	MIN.	MINIMUM
COL.	COLUMN	MISC.	MISCELLANEOUS
CONC.	CONCRETE	MTL	METAL
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 ϕ	DIAMETER	P.S.F.	POUNDS PER SQUARE FOOT
DIAG.	DIAGONAL	PSL	PARALLAM
DIM.	DIMENSION	P.T.	POST TENSION
D.L.	DEAD LOAD	PW.	PLYWOOD
DWG	DRAWING	REINF.	REINFORCEMENT
DWL	DOWEL	REQ'D	REQUIRED
(E)	EXISTING	SCHED.	SCHEDULE
EA.	EACH	SCL	STRUCTURAL COMPOSITE LUMBER
E.F.	EACH FACE	SHT'G	SHEATHING
EL.	ELEVATION	SIM.	SIMILAR
ELEV.	ELEVATOR	S.O.G.	SLAB ON GRADE
ENGR	ENGINEER	SQ.	SQUARE
EQ.	EQUAL	STD	STANDARD
E.W.	EACH WAY	STIFF.	STIFFENER
EXP.	EXPANSION	STL	STEEL
EXT.	EXTERIOR	STRUCT.	STRUCTURAL
FDN	FOUNDATION	T&B	TOP & BOTTOM
F.F.	FAR FACE	T&G	TONGUE AND GROOVE
FLR	FLOOR	THR'D	THREADED
F.O.M.	FACE OF MASONRY	T.O.F.	TOP OF FOOTING
F.O.S.	FACE OF STUD	T.O.S.	TOP OF STEEL
FRM'G	FRAMING	TRT'D	TREATED
F.R.T.	FIRE RETARDANT TREATED	TYP.	TYPICAL
F.S.	FAR SIDE	U.N.O.	UNLESS NOTED OTHERWISE
FTG	FOOTING	U.T.	ULTRASONIC TESTED
GA.	GAGE/GAUGE	VERT.	VERTICAL
GALV.	GALVANIZED	W/	WITH
GL.	GLULAM	W.P.	WORK POINT
GR.	GRADE	WT	WEIGHT
GWB	GYPSUM WALL BOARD	W.W.R.	WELDED WIRE REINFORCING

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OWNER:
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PROJECT NAME:
OR 7&8 Buildout

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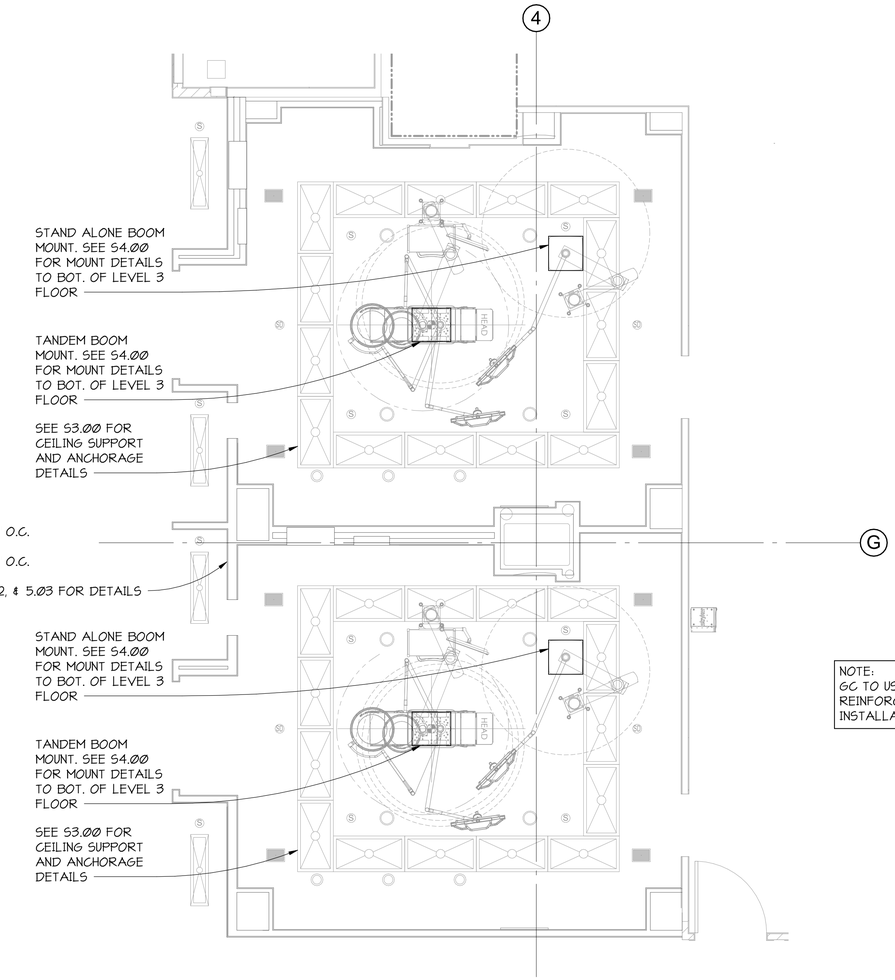
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY: RSC
DATE: 2 APRIL 2021

SHEET TITLE:
GENERAL NOTES

SHEET #:
S1.01



NOTE:
GC TO USE NON-DESTRUCTIVE METHODS TO LOCATE EXISTING REINFORCEMENT IN CONCRETE BEAMS AND SLABS, PRIOR TO INSTALLATION OF FASTENERS AND ANCHORS.

1 / S2.00 OR ROOM 7 & 8 - EQUIPMENT PLAN ON 2ND FLOOR

1/4" = 1'-0"

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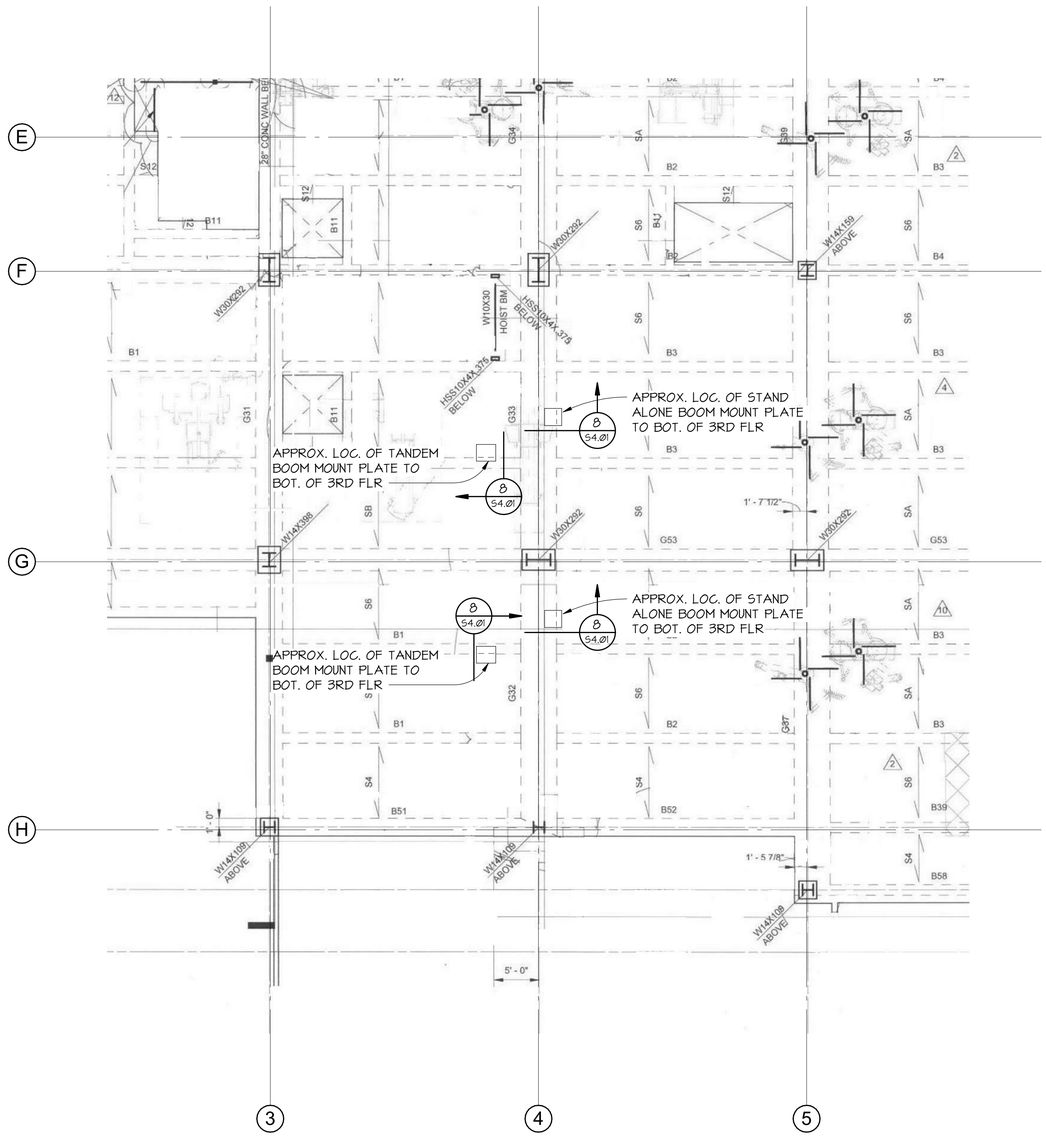
PROJECT NO. 31232
DRAWN BY: RSC
DATE: 2 APRIL 2021

SHEET TITLE:
SECOND FLOOR ROOM PLAN

SHEET #:
S2.00



1 S2.01 PARTIAL LEVEL 3 FRAMING PLAN
1/8" = 1'-0"

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SHEET TITLE:
PARTIAL 3RD FLOOR PLAN

SHEET #:
S2.01

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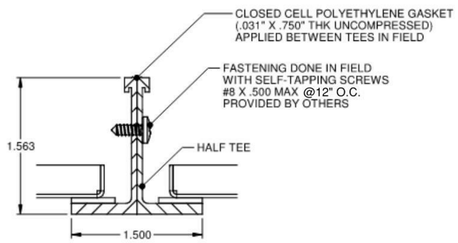
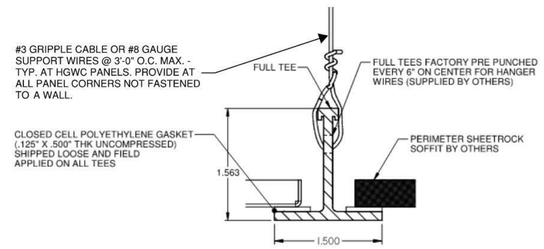
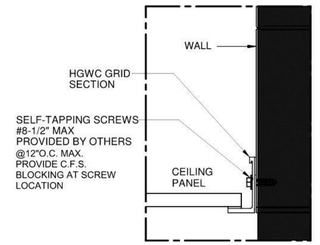


1 S3.00 HGWC HALF TEE FIELD JOINT
(NO SCALE)



2 S3.00 HGWC FULL TEE PERIMETER SHEET ROCK SOFFIT
(NO SCALE)



3 S3.00 HGWC GRID INTERGRATION
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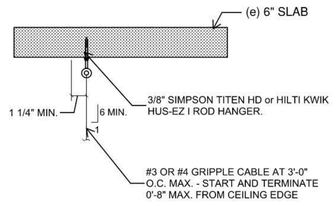
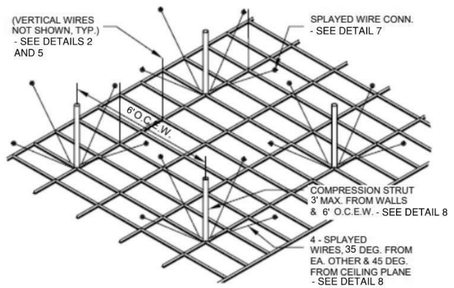
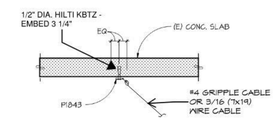


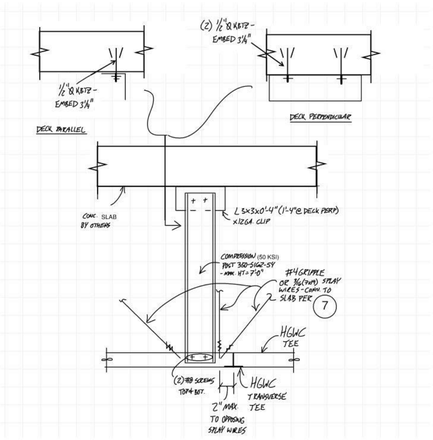
5 S3.00 TYPICAL HGWC VERTICAL SUPPORT WIRE
(NO SCALE)



6 S3.00 HGWC LATERAL BRACING LAYOUT
(NO SCALE)



7 S3.00 HGWC CABLE BRACE AT SLAB
(NO SCALE)



8 S3.00 TYPICAL HGWC COMPRESSION STRUT AND SPLAY WIRE DETAIL
(NO SCALE)

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	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY: RSC
DATE: 2 APRIL 2021

SHEET TITLE:
CEILING SUPPORT DETAILS

SHEET #:
S3.00

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City of Puyallup
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Engineering | Public Works
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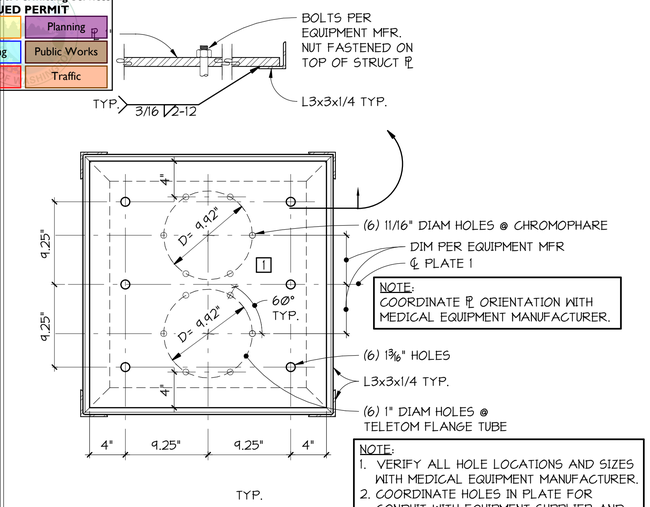
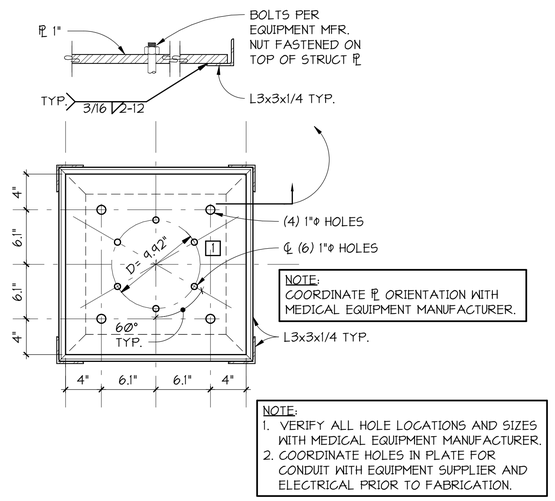


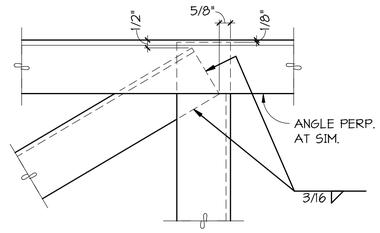
MOUNT PLATE AT TANDEM

1 / S4.01 PLAN
1 1/2" = 1'-0"

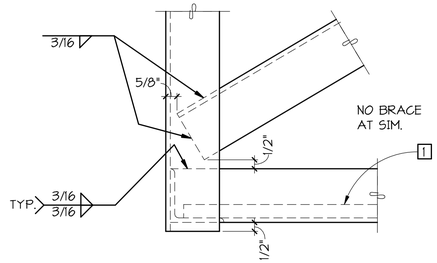


MOUNT PLATE AT STAND ALONE BOOM

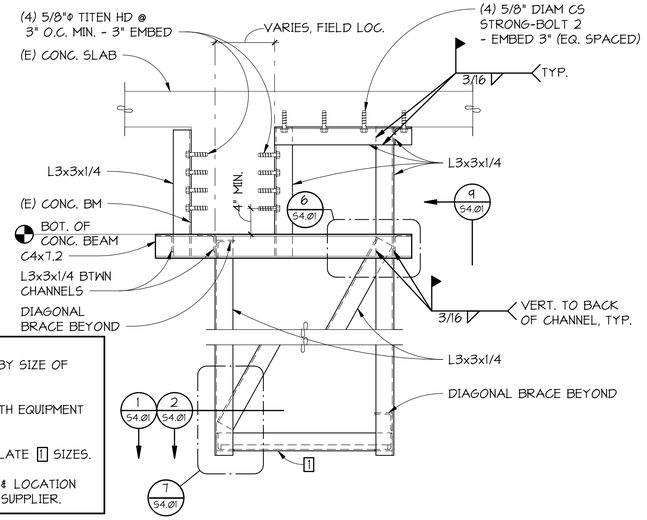
2 / S4.01 PLAN
1 1/2" = 1'-0"



6 / S4.01 TYPICAL CONNECTION
3" = 1'-0"



7 / S4.01 TYPICAL CONNECTION
3" = 1'-0"



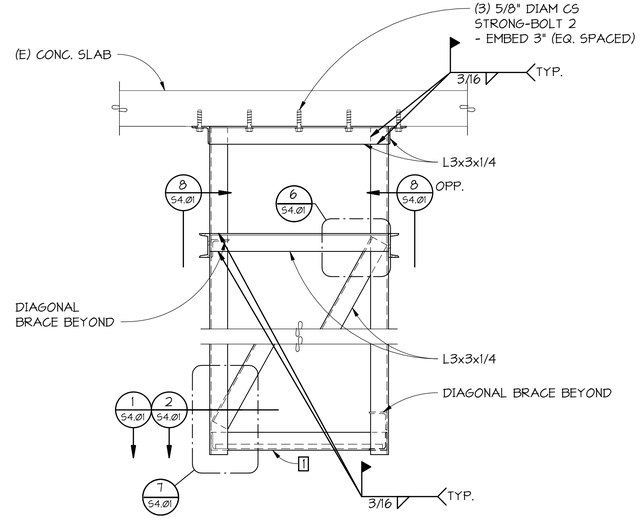
NOTE:
FRAME SIZE IS GOVERNED BY SIZE OF PLATE 1.

-PLATE 1 SIZE VARIES WITH EQUIPMENT TYPE.

-SEE 1/S4.01 & 2/S4.01 FOR PLATE 1 SIZES.

-COORDINATE PLATE TYPE & LOCATION WITH ARCH AND EQUIPMENT SUPPLIER.

8 / S4.01 ELEVATION
1" = 1'-0"



9 / S4.01 ELEVATION
1" = 1'-0"

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PROJECT NO. 31232
DRAWN BY: RSC
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SHEET TITLE:
MEDICAL EQUIPMENT SUPPORT FRAME DETAILS

SHEET #:
S4.01

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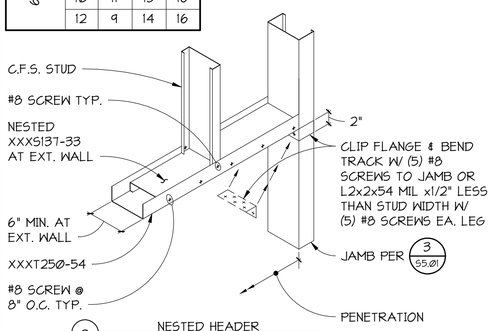
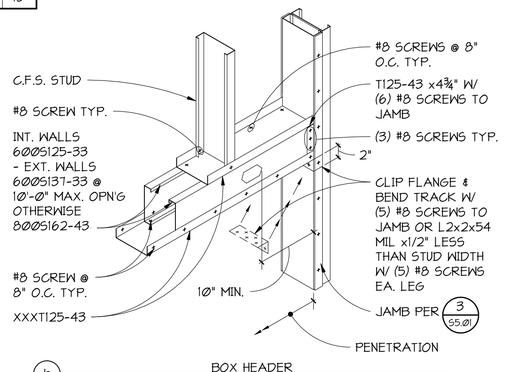
INTERIOR NON-BEARING COLD FORMED STEEL STUD WALL
PENETRATION JAMB SCHEDULE 5 POUNDES PER SQUARE FOOT
(ASD) LIVE LOAD - L/360

STUD SIZE AND MIL	MAXIMUM PENETRATION (FEET)	MINIMUM NUMBER OF BUILT-UP STUDS AT JAMB: MAXIMUM JAMB HEIGHT (FEET) (2)	(3)	(4)	STUD DEPTH	STUD WIDTH AND MIL	MAXIMUM PENETRATION WIDTH (FEET) WITH SINGLE JAMB STUD: MAXIMUM JAMB HEIGHT (FEET) (3)	(4)	(6)	(8)	(10)	(12)
362S125-33 OR 400S125-33	3	14	16	-	362SXXX-XX OR 400SXXX-XX	125-33	11	10	-	-	-	-
	4	12	15	-		137-43	12	12	11	-	-	-
	6	11	13	15		162-54	14	13	12	11	-	-
	8	10	12	14		200-54	15	14	13	12	11	10
	10	8	11	13		125-33	12	11	-	-	-	-
600S125-33	3	16	-	-	600SXXX-XX	137-43	16	14	13	-	-	-
	4	16	-	-		162-54	-	-	16	15	-	-
	6	15	16	-		200-54	-	-	-	-	16	15
	8	13	16	-								
	10	11	15	16								
	12	9	14	16								

NOTES:
1. BOXED JAMB STUDS SHOWN. BACK-TO-BACK JAMB STUDS PERMITTED AT CONTRACTOR'S OPTION. FOR DETAIL SEE 3/55.Ø3.
2. FOR CONNECTION TO STRUCTURE ABOVE - SEE 1/55.Ø3.
3. FOR CONNECTION TO STRUCTURE BELOW - SEE 3/55.Ø3.
4. HEADER AND STUDS SHALL BE CONTINUOUS - NO SPLICES ALLOWED.



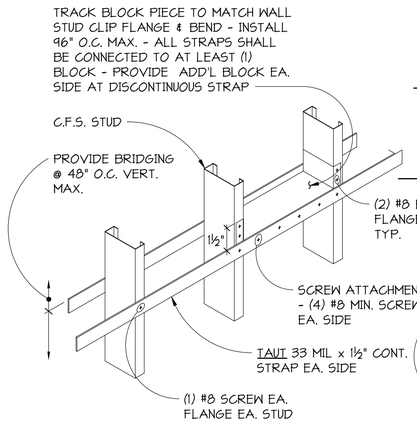
(a) NESTED HEADER
4'-Ø" MAXIMUM PENETRATION SIZE
(NOT ALLOWED AT DOORS)
(600S MINIMUM AT EXTERIOR)



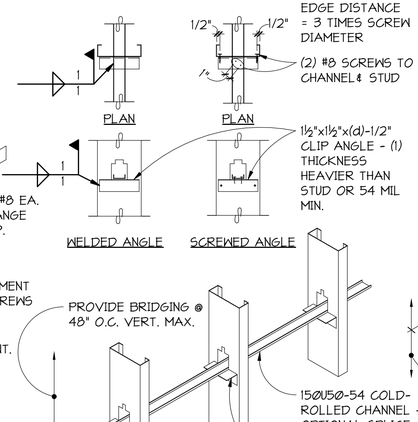
(b) BOX HEADER
12'-Ø MAXIMUM PENETRATION UNLESS NOTED OTHERWISE
8'-Ø' MAXIMUM PENETRATION AT 4" EXTERIOR WALL
10'-Ø" MAXIMUM PENETRATION AT 4" OR 3⅝" INTERIOR WALL

TYPICAL NON-BEARING COLD-FORMED STEEL WALL PENETRATION AT 16'-Ø" MAXIMUM STUD HEIGHT

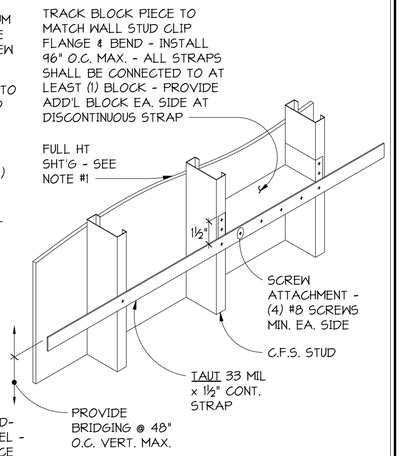
1/55.Ø1 DETAIL
NO SCALE



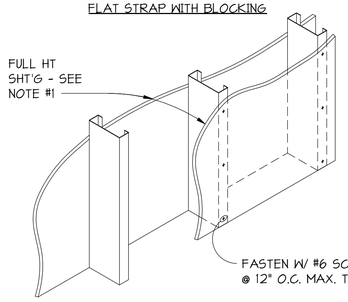
OPTION 1: BRIDGING CONSISTS OF DOUBLE FLAT STRAP WITH BLOCKING



OPTION 2: BRIDGING CONSISTS OF COLD-ROLLED CHANNEL WITH CLIP ANGLE
(6" MAXIMUM STUD SIZE)



OPTION 3: BRIDGING CONSISTS OF SINGLE FLAT STRAP WITH BLOCK AND FULL HEIGHT SHEATHING OPPOSITE FACE

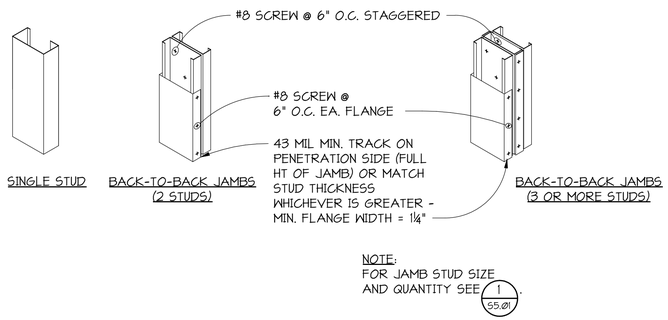


OPTION 4: FULL HEIGHT SHEATHING EACH FACE

NOTES:
1. QUALIFIED SHEATHING SHALL BE GYPSUM WALL BOARD, GYPSHEATHING, PLYWOOD, OR ORIENTED STRAND BOARD ONLY AND SHALL OCCUR FULL HEIGHT OF WALL.
2. SEE 2/55.Ø3 FOR BRIDGING TYPE REQUIRED BASED ON STUD SIZE AND HEIGHT.

TYPICAL BRIDGING AT NON-BEARING WALL

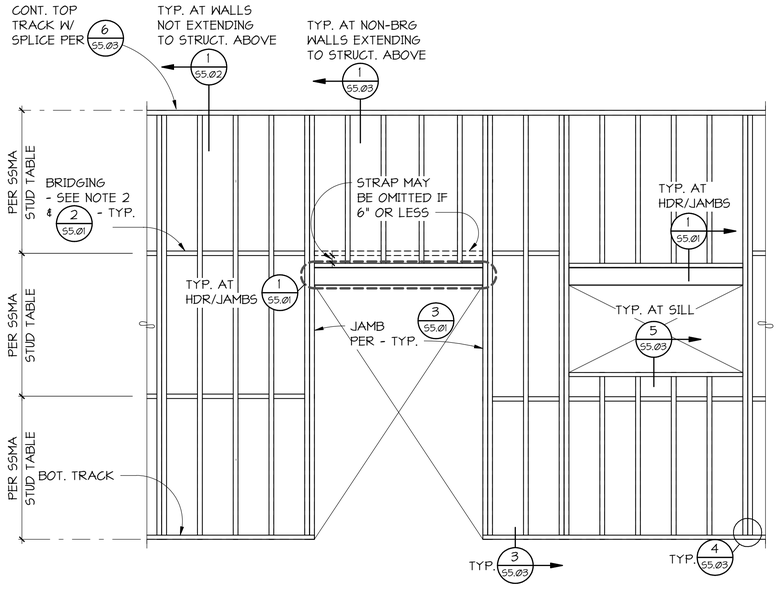
2/55.Ø1 DETAIL
NO SCALE



NOTE:
FOR JAMB STUD SIZE AND QUANTITY SEE 1/55.Ø1.

TYPICAL JAMB STUD CONFIGURATIONS AT NON-BEARING WALLS

3/55.Ø1 DETAIL
NO SCALE



TYPICAL NON-BEARING COLD-FORMED STEEL STUD WALL FRAMING

4/55.Ø1 ELEVATION
NO SCALE

MILS/GAUGE SCHEDULE		
MILS	MINIMUM THICKNESS	GAGE
30	.0312	20
33	.0346	20
43	.0451	18
54	.0566	16
68	.0713	14
97	.1017	12

COLD FORMED STEEL STUD WALL FRAMING NOTES:
1. ALL NON-BEARING WALL STUDS SHALL BE PER 1/55.Ø3 UNLESS NOTED OTHERWISE. FOR WALL TYPE AND PROPER LOCATION SEE ARCHITECTURAL DRAWINGS.
2. PROVIDE BRIDGING AT ALL NON-BEARING WALLS WITHOUT FULL HEIGHT QUALIFIED SHEATHING EITHER SIDE OF STUD PER 2/SLGM4 NOTE #1 AND NOTE #2.
3. FOR TYPICAL COLD-FORMED STEEL JOIST CEILING FRAMING SCHEDULE AND DETAIL - SEE 4/55.Ø2.
4. ALL WELDS SHALL BE 1/8" FILLET MAXIMUM, FOR MATERIALS THINNER THAN Ø.15", EFFECTIVE THROAT SHALL NOT BE LESS THAN THINNEST MATERIAL. WELD IN ACCORDANCE WITH "STRUCTURAL WELDING CODE -- SHEET METAL" AWS D1.3.
5. STUD PUNCHOUTS SHALL NOT BE SPACED LESS THAN 24" ON CENTER, NOR WITHIN 10" CLEAR OF MEMBER END AT STUDS, HEADERS, BEAMS, JOISTS, ETCETERA FOR TYPICAL ALLOWABLE PUNCHOUT DETAIL - SEE 6/55.Ø2.
6. SCREWS SHALL BE THREAD-FORMING OR THREAD-CUTTING, WITH OR WITHOUT A SELF DRILLING POINT. SCREWS SHALL BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION. MINIMUM SPACING IS THREE SCREW DIAMETERS. A MINIMUM OF (3) THREADS SHALL BE ENGAGED.
7. FOR TYPICAL COLD-FORMED STEEL WALL CORNER REQUIREMENTS - SEE 6/55.Ø3.
8. FOR POWER ACTUATED FASTENER REQUIREMENTS - SEE GENERAL NOTES.

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OWNER:
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PROJECT NAME:
OR 7&8 Buildout
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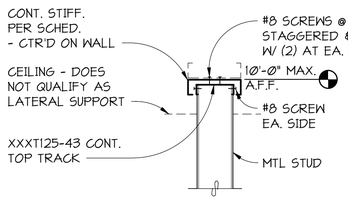
401 15th Ave SE
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY: RSC
DATE: 2 APRIL 2021

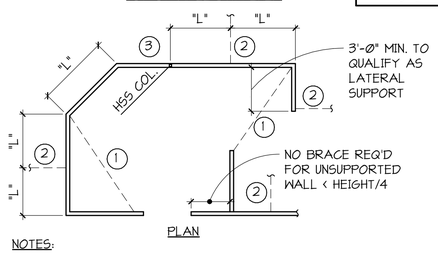
SHEET TITLE:
NON-BEARING COLD FORMED STEEL FRAMING DETAILS

SHEET #:
S5.01



TOP OF WALL STIFFENER

TOP OF WALL STIFFENER SCHEDULE	
UNBRACED WALL LENGTH "L"	STIFFENER MEMBER CONTINUOUS
< 10'	NONE REQ'D
10'-13'	600S137-33
13'-16'	(2) 600S137-33
16'-24'	(2) 800S162-43



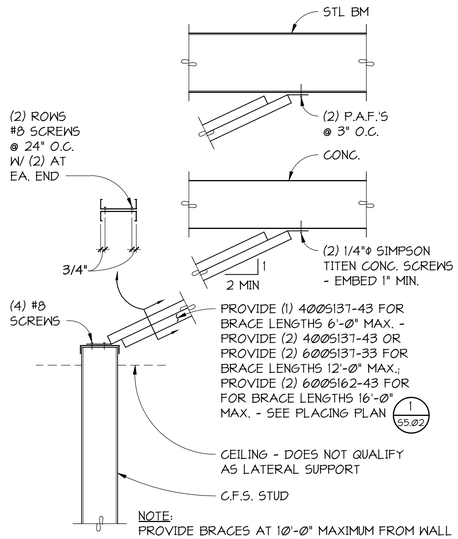
PLAN

NOTES:

1. THIS PLAN IS AN EXAMPLE ONLY. IT DOES NOT REPRESENT A SPECIFIC WALL.
2. "L" INDICATES UNBRACED LENGTH OF WALLS - SEE SCHEDULE FOR TOP OF WALL STIFFENER SIZE.
3. AT CONTRACTORS OPTION, IN LIEU OF TOP OF WALL STIFFENER:
   - (1) INDICATES HORIZONTAL BRACE EXTENDING TO ADJACENT CORNER - SEE 3/S5.02.
   - (2) INDICATES BRACE UP TO STRUCTURE - SEE 2/S5.02.
   - (3) INDICATES WALL BRACED AT HOLLOW STRUCTURAL SECTION COLUMN - PROVIDE L2"x2"x1/2" LESS THAN STUD WIDTH x54MIL. WITH (4) #8 SCREWS TO TOP TRACK, - WELD CONNECTION ANGLE TO HOLLOW STRUCTURAL SECTION COLUMN OR PROVIDE (4) POWER ACTUATED FASTENERS AT CONTRACTOR'S OPTION.
4. ALL TOP TRACK SPLICES SHALL BE AT BRACE LOCATIONS.

TYPICAL LATERAL SUPPORT FOR COLD-FORMED STEEL STUD WALLS NOT EXTENDING TO STRUCTURE ABOVE

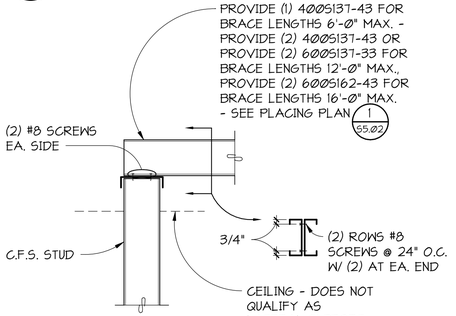
1 / S5.02 DETAIL
NO SCALE



NOTE:
PROVIDE BRACES AT 10'-0" MAXIMUM FROM WALL INTERSECTIONS OR CORNERS AND AT 10'-0" ON CENTER.

TYPICAL COLD-FORMED STEEL STUD WALL BRACE UP TO STRUCTURE

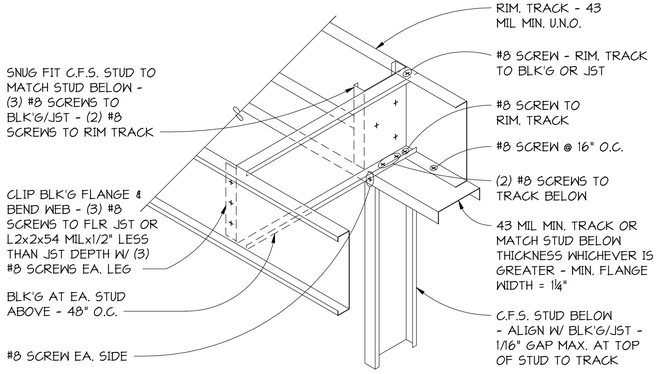
2 / S5.02 DETAIL
NO SCALE



NOTE:
PROVIDE BRACES AT 10'-0" MAXIMUM FROM WALL INTERSECTIONS OR CORNERS AND AT 10'-0" ON CENTER.

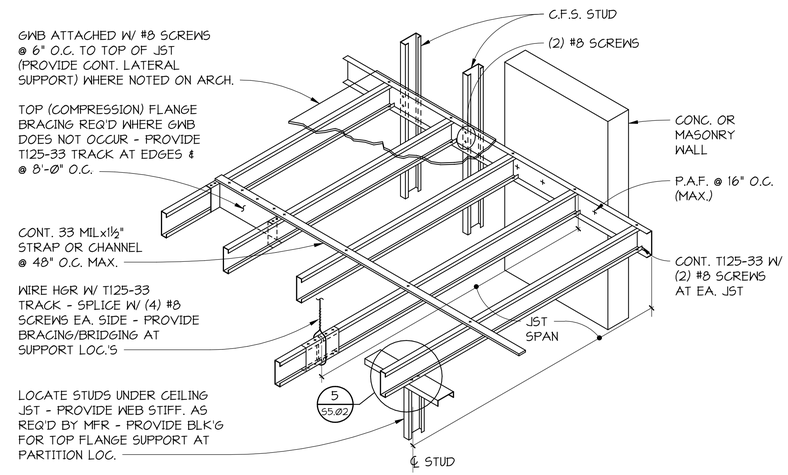
TYPICAL COLD-FORMED STEEL STUD WALL HORIZONTAL BRACE

3 / S5.02 DETAIL
NO SCALE



TYPICAL COLD-FORMED STEEL CEILING TO WALL

5 / S5.02 DETAIL
NO SCALE

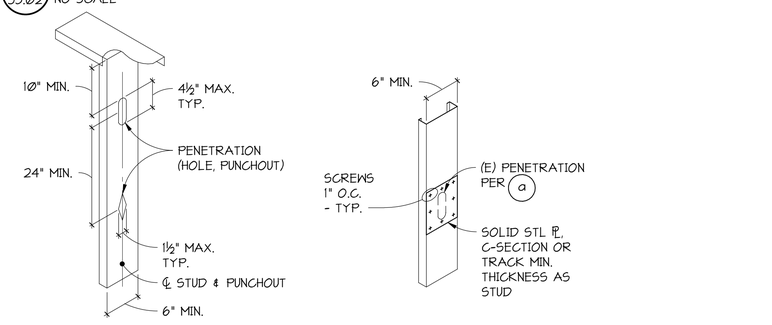


TYPICAL COLD-FORMED STEEL CEILING FRAMING DETAIL

COLD-FORMED STEEL JOIST CEILING FRAMING SCHEDULE 10 POUNDS PER SQUARE FOOT (ASD) LIVE LOAD, 1/240 DEFLECTION LIMIT, (2) LAYERS MAXIMUM OF 5/8" GYPSUM WALL BOARD						
JOIST SIZE	STUD MIL					
	33 MIL					
	JOIST SPACING					
	12" O.C.		16" O.C.		24" O.C.	
	NUMBER OF CONTINUOUS SPANS					
	ONE	TWO+	ONE	TWO+	ONE	TWO+
	MAXIMUM JOIST SPAN ALLOWED					
250S	8'-3"	10'-0"	7'-6"	8'-6"	6'-4"	7'-1"
362S	11'-0"	13'-3"	10'-0"	11'-6"	8'-4"	9'-4"
400S	11'-11"	14'-3"	10'-10"	12'-4"	9'-0"	9'-9"
600S	16'-6"	16'-10"	14'-9"	13'-10"	12'-0"	10'-2"

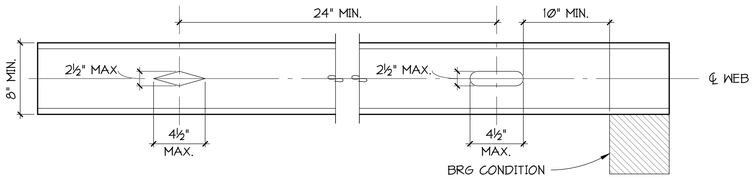
NOTES:
1. BRACE TOP FLANGE AT 48" ON CENTER MAXIMUM.
2. INFORMATION SHOWN TAKEN FROM THE GYPSUM CONSTRUCTION HAND BOOK BY CGC INCORPORATED.
3. SEE ARCHITECTURAL DRAWING FOR LATERAL SUPPORT OF SUSPENDED FRAMING.

4 / S5.02 DETAIL
NO SCALE



(a) TYPICAL ALLOWABLE COLD-FORMED STEEL STUD PUNCHOUT

(b) TYPICAL INFILL OF FACTORY COLD-FORMED STEEL STUD PUNCHOUT



(c) TYPICAL ALLOWABLE COLD-FORMED STEEL JOIST PUNCHOUT

6 / S5.02 DETAIL
NO SCALE

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OWNER:
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PROJECT NO. 31232
DRAWN BY: RSC
DATE: 2 APRIL 2021

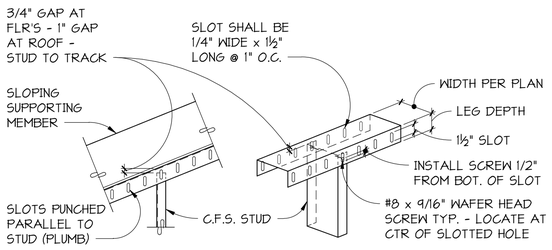
SHEET TITLE:
NON-BEARING COLD FORMED STEEL FRAMING DETAILS

SHEET #:
S5.02

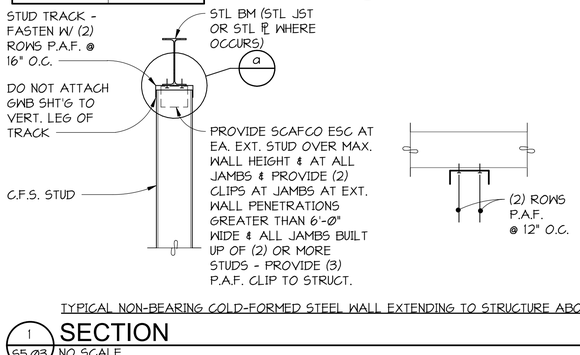
SLOTTED TOP TRACK THICKNESS		
2½" TRACK WITH 3/4" GAP		
TRACK THICKNESS (MILS)	ALLOWABLE LOAD (POUNDS)	INTERIOR WALL HEIGHT
33	106	31'-10"
43	174	52'-4"
54	344	
68	475	
3" MIN. TRACK W/ 1" GAP		
TRACK THICKNESS (MILS)	ALLOWABLE LOAD (POUNDS)	INTERIOR WALL HEIGHT
33	47	14'-1"
43	92	27'-8"
54	177	
68	299	

*DISTANCE BETWEEN WALL STUD SUPPORTS

SCAFCO ESC W/ (3) #10	
STUD THICKNESS	ALLOWABLE LOAD
33	530#
43	784#
54	1602#
68	1855#



a SLOTTED TRACK CONNECTION



TYPICAL NON-BEARING COLD-FORMED STEEL WALL EXTENDING TO STRUCTURE ABOVE

1 / 55.03 SECTION
NO SCALE

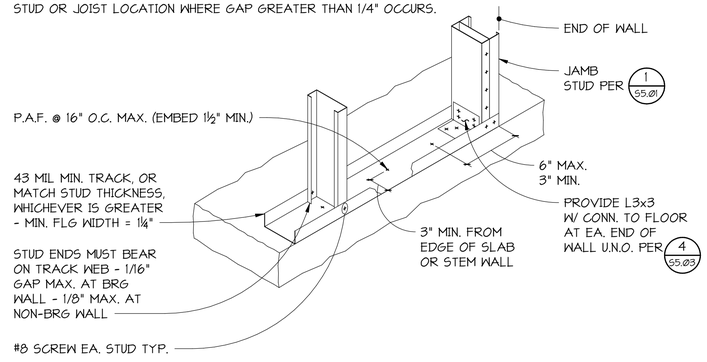
INTERIOR NON-BEARING COLD-FORMED STEEL WALL STUDS 5 PSF (ASD) LIVE LOAD, L/360 DEFLECTION LIMIT			
REQUIRED BRIDGING TYPE	STUD SIZE	STUD MIL	
		33 MIL	
		STUD SPACING	
		16" O.C.	
		MAXIMUM STUD HEIGHT ALLOWED	
4	400S125	15'-11"	
	600S125	21'-4"	
REQUIRED BRIDGING TYPE	STUD SIZE	STUD MIL	
		43 MIL	54 MIL
		STUD SPACING	
		16" O.C.	16" O.C.
		MAXIMUM STUD HEIGHT ALLOWED	
1 OR 2 OR 3 OR 4	400S137	17'-2"	18'-5"
	400S162	18'-0"	19'-3"
	400S200	19'-0"	20'-4"
	600S137	23'-8"	25'-5"
	600S162	24'-9"	26'-6"
	600S200	26'-0"	27'-11"

NOTES:
1. FOR TYPICAL COLD-FORMED STEEL WALL STUD BRIDGING DETAIL SEE 2/55.01.
2. INFORMATION SHOWN FOR S125 STUDS TAKEN FROM THE GYPSUM CONSTRUCTION HAND BOOK BY CGC INC. - INFORMATION SHOWN FOR ALL OTHER STUDS TAKEN FROM ICC ES LEGACY REPORT ER-4943P*.
3. 43 MIL MINIMUM REQUIRED AT MASONRY VENEER.

BRIDGING TYPE BASED ON STUD SIZE AND HEIGHT

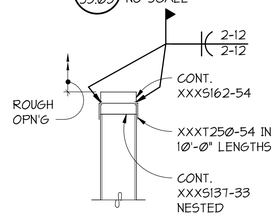
2 / 55.03 SCHEDULE
NO SCALE

NOTE:
PROVIDE LOAD BEARING SHIMS OR GROUT BETWEEN UNDERSIDE OF WALL BOTTOM TRACK OR RIM TRACK AND SUPPORT BELOW AT STUD OR JOIST LOCATION WHERE GAP GREATER THAN 1/4" OCCURS.



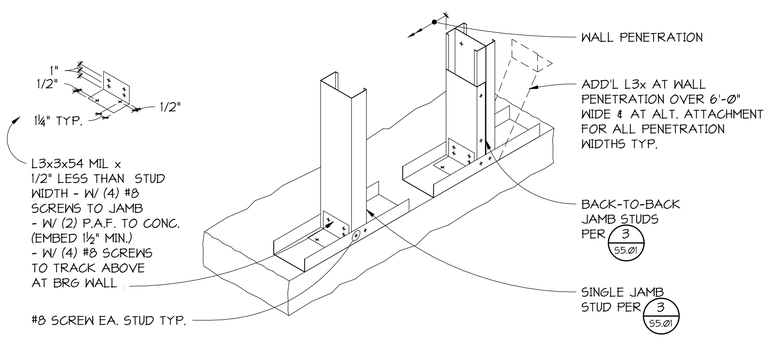
TYPICAL NON-BEARING COLD-FORMED STEEL AND TRACK ATTACHMENT

3 / 55.03 DETAIL
NO SCALE



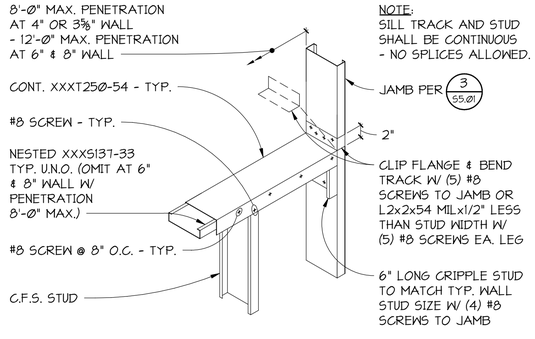
a ALTERNATE ALLOWED CONDITION AT DISCONTINUOUS TRACK PIECE

NOTE:
PROVIDE LOAD BEARING SHIMS OR GROUT BETWEEN UNDERSIDE OF WALL BOTTOM TRACK OR RIM TRACK AND SUPPORT BELOW AT STUD OR JOIST LOCATION WHERE GAP GREATER THAN 1/4" OCCURS.



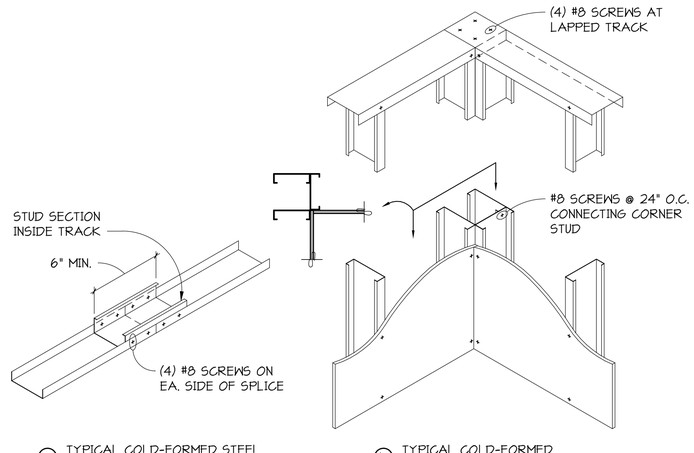
TYPICAL NON-BEARING COLD-FORMED STEEL JAMB STUD ATTACHMENT

4 / 55.03 DETAIL
NO SCALE



TYPICAL SILL AT NON-BEARING COLD-FORMED STEEL WALL PENETRATION AT 16'-0" MAXIMUM STUD HEIGHT

5 / 55.03 DETAIL
NO SCALE



a TYPICAL COLD-FORMED STEEL BOTTOM/TOP TRACK SPLICE

b TYPICAL COLD-FORMED STEEL WALL CORNER

6 / 55.03 DETAIL
NO SCALE

SLGM0740

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SHEET TITLE:
NON-BEARING COLD FORMED STEEL FRAMING DETAILS

SHEET #:
S5.03

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)
MA	MEDICAL AIR (MA)
MV	MEDICAL VACUUM (MV)
OX	MEDICAL OXYGEN (OX)
WAGD	WASTE ANESTHESIA GAS DISPOSAL (WAGD)
N2O	NITROUS OXIDE (N2O)
CO2	CARBON DIOXIDE (CO2)
IA	INSTRUMENT AIR
RL	RAIN LEADER (RL)

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
COP	COEFFICIENT OF PERFORMANCE
COMP	COMPRESSOR
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
DDC	DIRECT DIGITAL CONTROL
DAT	DISCHARGE AIR TEMPERATURE
DN	DOWN
DWG	DRAWING
DB	DRY BULB
EA	EACH
EF	EXHAUST FAN
EFF	EFFICIENCY

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 LEGEND

SYMBOL	DESCRIPTION
	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 T G T A	THERMOSTAT G= WITH GUARD A= AVERAGED WITH OTHER (T)
2 / M3.1	DETAIL/SECTION IDENTIFICATION NUMBER SHEET ON WHICH DETAIL IS SHOWN

ABBREV.	DESCRIPTION
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
REL	REFRIGERANT LIQUID
RG	REFRIGERANT GAS
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
SCO	SURFACE CLEANOUT
SCW	SCIENCE COLD WATER
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

MECHANICAL DRAWING INDEX

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4-2-2021

OWNER:

MultiCare
Tacoma General Hospital

PROJECT NAME:

OR 7&8
Buildout

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

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:

MECHANICAL
LEGEND &
NOTES

SHEET #:

M0.01

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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. FIXTURE LOCATIONS: VERIFY LOCATION OF PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS BEFORE BEGINNING WORK. ARCHITECTURAL DRAWINGS GOVERN. PLUMBING FIXTURE HEIGHTS SHALL BE AS SHOWN ON ARCHITECTURAL DRAWINGS.
7. CLEANOUTS: PROVIDE CLEANOUTS AS REQUIRED BY CODE. SEE DETAILS ON SHEET M3.20.
8. 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.
9. 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.
10. ALL PLUMBING VENTS THRU ROOF SHALL BE MINIMUM 2' FROM ROOF CRICKET PEAK OR ROOF VALLEY. ADJUST PIPING AS NECESSARY.
11. 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.
12. 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.
13. ALL DUCTWORK SHOWN IS SCHEMATIC, CONTRACTOR SHALL PROVIDE ALL OFFSETS/ELBOWS AS REQ'D TO ALLOW ROUTING AROUND STRUCTURE, ELECTRICAL, & OTHER INTERFERENCES.
14. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 8 FEET, AND MAY ONLY BE USED WHERE SPECIFICALLY SHOWN ON THE PLANS.
15. 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.
16. 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.	

17. VERIFY LOCATIONS OF ITEMS INSTALLED IN CEILINGS WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO BEGINNING WORK. NOTIFY ARCHITECT/ENGINEER OF DISCREPANCIES.
18. 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.
19. 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.
20. LOCATE MOTORIZED DAMPERS TO BE ACCESSIBLE.
21. FOR HVAC DUCT FITTINGS/CONNECTIONS OF ELBOWS/TRANSITIONS SEE DETAILS ON SHEET M4.20 & M4.21.
22. PROVIDE BALANCING OF HVAC SYSTEM, HYDRONIC SYSTEM, & DOMESTIC HOT WATER RECIRCULATION SYSTEM.
23. CEILING SPACE IS TIGHT IN A NUMBER OF AREAS. IN SUCH AREAS, CEILING AIR INLET/OUTLET CONN'S REQUIRE SIDE INLET PLENUM, SEE DETAIL 11 SHEET M4.21. PROVIDE WHERE REQ'D DUE TO SPACE LIMITATIONS TO PREVENT KINKS IN FLEX DUCT AND ALLOW PROPER CONN.
24. ALL DUCTWORK SHALL BE RUN CONCEALED, UNO.
25. PROVIDE DUCT ACCESS DOORS AT ALL MOTORIZED DAMPERS & BDD'S.
26. WHERE RETURN GRILLE CFM'S ARE NOT INDICATED, BALANCER SHALL CALCULATE & SUBMIT FOR ENGINEER REVIEW. UNIT RA=SA-OA.
27. PROVIDE FLEX CONNECTORS IN DUCT CONNECTIONS TO ALL EQUIPMENT.
28. RESTROOM EXHAUST & TRANSFER GRILLES SHALL BE INSTALLED TO BE INLINE W/ EACH OTHER.
29. VERIFY MOUNTING HEIGHTS OF ALL EXPOSED DUCTWORK & WALL GRILLES/WALL CAPS W/ ARCHITECT PRIOR TO BEGINNING WORK.
30. 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.
31. SEE SECTION 23 31 00 FOR DUCT CONSTRUCTION PRESSURE CLASS.
32. 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.
33. FIRE SPRINKLER WORK IS NOT PART OF THESE DRAWINGS. FIRE SPRINKLER DRAWINGS TO BE PROVIDED BY ANOTHER FIRM.

ENERGY CODE NOTES - MECHANICAL

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4-2-2021

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PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

SHEET TITLE:
MECHANICAL
GENERAL
NOTES

SHEET #:
M0.02

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PLOTTED: Apr 02, 2021 - 11:04am PLOTTED BY: MattB
DWG PATH: C:\Users\mattb.HBHU\AppData\Local\Temp\AcPublish_43976\21-026_M0.01-03.dwg

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	W	V	CW	HW	TOTAL WSFU	CW WSFU	HW WSFU	DFU	REMARKS
P-6A	SCRUB SINK	3"	2"	1/2"	1/2"	3	2.25	2.25	3	WALL MOUNT, W/ FOOT PEDAL OPERATOR

AIR INLET & OUTLET SCHEDULE

SYMBOL	TYPE	MANUFACTURER AND SERIES NUMBER	REMARKS
CD	CEILING DIFFUSER	TITUS PAS-AA	ALUMINUM PERFORATED FACE DIFFUSER
CRG	CEILING RETURN GRILLE	TITUS PAS	ALUMINUM PERFORATED FACE GRILLE
CEG	CEILING EXHAUST GRILLE	TITUS PAS	ALUMINUM PERFORATED FACE GRILLE
WSR	WALL SUPPLY REGISTER	KRUEGER SERIES 5880H	DOUBLE DEFLECTION, HORIZ. FACE BARS, VERT. REAR BARS 3/4"o.c.
WEG	WALL RETURN GRILLE	KEES GHD40 RETURN	HORIZ. FACE BARS 1/2" O.C., 40° DEFLECTION

NOTES:

1. CEILING DIFFUSERS (CD) SHALL HAVE NO. & DIRECTION OF THROWS AS INDICATED ON PLANS. (E.G. CD-3 = 3 WAY THROW)
2. ALL AIR TERMINALS SHALL HAVE FACTORY FINISH, COLOR AS SELECTED BY ARCHITECT.
3. SEE LEGEND FOR TERMINOLOGY USED IN AIR TERMINAL CALL-OUTS ON DRAWINGS.
4. SEE ARCH. FINISH SCHEDULE FOR CEILING TYPES, PROVIDE AIR TERMINALS TO MATCH CEILING CONSTRUCTION INSTALLED IN.
5. SEE HVAC PLANS FOR CRITICAL CARE AREA SPECIALIZED GRILLES.

VENTILATION DESIGN CRITERIA - HEALTHCARE AREAS

Project:	GSH MULTICARE - OR 7 & 8	5160
Job No:	21-026	1500
		29.07%

		ASHRAE TABLE 7.1								Room Size			Calculated Airflows				Design Airflows & Actual Pressure Reationships						
Unit No.	Room Name and Number	Code Title for Function of Space	Pressure Relationship	Code OA ach	Code Total ach	All Rm Air Exh ?	Air Circ by Rm Units	Design RH %	Design Temp deg F	Room SF	Room Ht	Room Vol	Code OA CFM by ACH	Code OA CFM by IMC	Code Total CFM	Code Min EA CFM	Design Supply Air (SA)	Design Exhaust Air (EA)	Design Return Air (RA)	Excess Air SA-EA-RA	Pressure Relationship	Filter Bank 1 & 2 MERV	OA Provided
Existing SAHU-2A	OR 7 - M286	Operating Room	P	3	15	N/R	NO	30-60	70-75	553	8.46	4678	**234**	**33**	**1170**		2580	2400		180	P	7	750
Existing SAHU-2C	OR 8 - M285	Operating Room	P	3	15	N/R	NO	30-60	70-75	543	8.46	4594	**230**	**33**	**1148**		2580	2400		180	P	7	750

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PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

SHEET TITLE:
MECHANICAL SCHEDULES

SHEET #:
M0.03

PLOTTED: Apr 02, 2021 - 11:04am PLOTTED BY: MattB
DWG PATH: C:\Users\mattb.HBHU\AppData\Local\Temp\AcPublish_43976\21-026_M0.01-03.dwg

COILS - HW

MARK		HC-1	HC-2	HC-3	HC-4	HC-5	HC-6	HC-7	HC-8
LOCATION		MTCH RM	MECH RM	MECH RM	MECH RM	MECH RM	MECH RM	MECH RM	MECH RM
SERVES		SAHU-2C	SAHU-2A	SAHU-2D	SAHU-2B	SAHU-2H	SAHU-2F	SAHU-2G	SAHU-2E
TYPE	DESCRIPTION	WATER COIL	WATER COIL	WATER COIL	WATER COIL	WATER COIL	WATER COIL	WATER COIL	WATER COIL
AIR	MOUNTING	DUCT	DUCT	DUCT	DUCT	DUCT	DUCT	DUCT	DUCT
	AIRFLOW, CFM	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,500
	EAT DB: F	50	50	50	50	50	50	50	50
	LAT DB: F	80	80	80	80	80	80	80	80
	MAX PD: IN WG	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.13
	SIZE: IN	36x24	36x24	36x24	36x24	36x24	36x24	36x24	36x24
FLUID	TYPE [1]	PROP GLYCOL	PROP GLYCOL	PROP GLYCOL	PROP GLYCOL	PROP GLYCOL	PROP GLYCOL	PROP GLYCOL	PROP GLYCOL
	CAPACITY: MBH	97	97	97	97	97	97	97	113
	EWT: F	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.8
	LWT: F	150	150	150	150	150	150	150	150
	MAX PD: FT HD	5	5	5	5	5	5	5	5
	ROWS	1	1	1	1	1	1	1	1
	FINS/INCH	9	9	9	9	9	9	9	9
OPER WEIGHT	WEIGHT: LBS	50	50	50	50	50	50	50	50
BASIS OF DESIGN	MANUFACTURER	COLMAC COIL	COLMAC COIL	COLMAC COIL	COLMAC COIL	COLMAC COIL	COLMAC COIL	COLMAC COIL	COLMAC COIL
	MODEL	EW	RW	BW	EW	EW	EW	EW	EW
	NOTES								

NOTE:
1. 20% PROPYLENE GLYCOL.

OR 8 OR 7

SUPPLY AIR HANDLING UNITS

MARK		SAHU-A	SAHU-1E	SAHU-1W	SAHU-2A	SAHU-2B	SAHU-2C	SAHU-2D	SAHU-2E	SAHU-2F	SAHU-2G	SAHU-2H	SAHU-2	SAHU-3E	SAHU-3W	SAHU-5/6E	SAHU-5/6W
LOCATION		LEVEL 4	LEVEL 4	LEVEL 4	LEVEL 4	LEVEL 4	LEVEL 4	LEVEL 4	LEVEL 4	LEVEL 4	LEVEL 4	LEVEL 4	LVL2- 4	LEVEL 4	LEVEL 4	LEVEL 4	LEVEL 4
SERVES		LEVEL A	LEVEL 1 EAST	LEVEL 1 WEST	SURGERY	SURGERY	SURGERY	SURGERY	SURGERY	SURGERY	SURGERY	SURGERY	SURG SUPP	LEVEL 3 EAST	LEVEL 3 WEST	LEVEL 5/6 EAST	LEVEL 5/6 WEST
PREFILTERS	TYPE	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED	4" PLEATED
	MERV RATING	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	EFF: %	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	CLEAN PD: IN. WG	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	DIRTY PD: IN. WG	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
	MAX FACE VEL: FPM	375	375	375	375	375	375	375	440	375	375	375	375	375	375	375	375
FUTURE FILTER BANK	SIZE/NO. FILTER	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
SOUND	MAX. VELOCITY: FPM	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375
ATTENUATION	MAX. P.D.: IN. WG	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
DEVICE	HEIGHT: IN	144	121	121	51	51	51	51	51	51	51	51	144	144	144	144	144
	WIDTH: IN	200	135	135	44	44	44	44	44	44	44	44	153	145	145	195	195
	LENGTH: IN	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
	MFG/MODEL	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON
HEAT RECOVERY COIL [5]	TOTAL CAP: MBH [5]	1,867	1,105	1,105	81	81	81	81	94	81	81	81	1,448	1,348	1,348	1,618	1,752
	FACE VEL: FPM, MAX [6]	400	400	400	350	350	350	350	400	350	350	350	400	400	400	400	400
	SECTIONS, NUMBER	3	3	3	1	1	1	1	1	1	1	1	3	3	3	3	3
	ROWS	4	5	5	4	4	4	4	5	4	4	4	4	4	4	4	4
	FINS/IN, MAX	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	AIR PD: IN WG	0.32	0.37	0.37	0.25	0.25	0.25	0.25	0.36	0.25	0.25	0.25	0.33	0.31	0.21	0.24	0.28
	EDB: F	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	EWB: F	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	LDB: F	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	LWB: F												–	–	–		
	EWT: F	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
	LWT: F	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
	EFFICIENCY: %	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	GPM [6]	192	113	113	8	8	8	8	10	8	8	8	148	137	137	165	178
	WATER PD: FT [6]	17	11	11	4	4	4	4	7	4	4	4	17	14	14	12	14
PREHEATING COIL [5]	TOTAL CAP: MBH [5]	3,020	1,789	1,789	130	130	130	130	151	130	130	130	2,330	2,158	2,158	2,589	2,805
	FACE VEL: FPM, MAX [6]	400	400	400	350	350	350	350	400	350	350	350	400	400	400	400	400
	SECTIONS, NUMBER	3	3	3	1	1	1	1	1	1	1	1	3	3	3	3	3
	ROWS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	FINS/IN, MAX	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	AIR PD: IN WG	0.06	0.07	0.07	0.05	0.05	0.05	0.05	0.07	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.05
	EDB: F	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	LDB: F	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
	EWT: F	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
	LWT: F	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
	GPM [6]	210	123	123	9	9	9	9	11	9	9	9	162	150	150	180	195
	WATER PD: FT [6]	16	14	14	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	9	8	8	8	9
COOLING COIL [5]	TOTAL CLG: MBH [6]	3,678	2,261	2,261	193	193	193	193	225	193	193	193	2,985	2,769	2,769	3,313	3,607
	SENSIBLE CLG: MBH [6]	3,101	1,816	1,816	146	146	145	146	170	146	146	146	2,392	2,213	2,213	2,658	2,880
	FACE VEL: FPM, MAX [6]	400	400	400	350	350	350	350	400	350	350	350	400	400	400	400	400
	SECTIONS, NUMBER	3	3	3	1	1	1	1	1	1	1	1	3	3	3	3	3
	ROWS	6	8	8	8	8	8	8	8	8	8	8	8	6	8	8	8
	FINS/IN, MAX	10	10	10	10	10	15	10	5	10	10	10	10	10	10	10	10
	AIR PD: IN WG	0.56	0.73	0.73	0.66	0.66	0.66	0.66	0.79	0.66	0.66	0.66	0.63	0.56	0.56	0.47	0.53
	EDB: F	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
	EWB: F	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
	LDB: F	51	51	51	47	47	47	47	47	47	47	47	51	51	51	51	51
	LWB: F	50.7	50.8	50.8	47	47	47	47	47	47	47	47	50.6	50.7	50.7	50.8	50.6
	EWT: F	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
	LWT: F	56	54	54	54	54	54	54	50	54	54	54	54	54	54	54	54
	GPM [6]	565	384	384	33	33	33	33	57	33	33	33	507	470	470	563	613
	WATER PD: FT [6]	19	10	10	13	13	13	13	14	13	13	13	11	11	11	12	13
STEAM HUMIDIFIER	PROVIDE SPACE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	NO
PLENUM FAN	TYPE	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM	AF BI PLENUM
	SERVICE	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY	SUPPLY
	NOM AIR FLOW: CFM [3,7]	56,000	35,000	35,000	2,400	2,400	2,400	2,400	2,800	2,400	2,400	2,400	45,000	40,000	40,000	50,000	50,000
	NUMBER OF FANS	4	4	4	1	1	1	1	1	1	1	1	4	4	4	4	4
	MAX CFM PER FAN [1]	23,333	13,667	13,667	3,000	3,000	3,000	3,000	3,500	3,000	3,000	3,000	18,000	16,667	16,667	20,000	21,667
	NOM CFM PER FAN [3, 7]	14,000	8,750	8,750	2,400	2,400	2,400	2,400	2,800	2,400	2,400	2,400	11,250	10,000	10,000	12,500	13,750
	MINIMUM OA: %	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	100% ECONOMIZER:	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
	ESP: IN WG	4.0	2.75	2.75	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	2.75	2.75	2.75	2.75
	TSP: IN WG [2]	6.25/7.30	6.00/6.40	6.00/6.40	5.75/6.50	5.75/6.50	5.75/6.50	5.75/6.50	5.75/6.50	5.75/6.50	5.75/6.50	5.75/6.50	6.00/7.25	5.75/6.40	6.00/6.40	5.75/6.75	5.75/6.75
	WHEEL DIA: IN, EACH	33	30	30	18	18	18	18	18	18	18	18	30	30	30	33	33
	MINIMUM EFF: %	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%
	RPM, EACH [8]	1,820	1,803	1,803	2,710	2,710	2,710	2,710	2,542	2,710	2,710	2,710	1,815	1,859	1,859	1,851	1,958
	BHP, EACH [8]	39.4	22.0	20.0	4.5	4.5	4.5	4.5	5.2	4.5	4.5	4.5	28.8	24.4	24.4	32.2	34.5
	HP, EACH	40	20	20	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	30	25	25	40	40
	FAN CLASS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	VOLTAGE/PHASE	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3
	ISOLATION	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	DRIVE TYPE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	VFD	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
FINAL FILTERS	TYPE	12" RIGID	12" RIGID CARB	12" RIGID	12" RIGID CARB	12" RIGID CARB	12" RIGID CARB	12" RIGID CARB	12" RIGID CARB	12" RIGID CARB	12" RIGID CARB	12" RIGID CARB	12" RIGID CARB	12" RIGID	12" MEGI	12" RIGID CARB	12" RIGID
	MERV RATING	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	EFF: %	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
	CLEAN PD: IN. WG	0.2	0.35	0.2	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.2	0.2	0.2	0.2
	DIRTY PD: IN. WG	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	MAX. FACE VEL: FPM	375	375	375	375	375	375	375	440	375	375	375	375	375	375	375	375
	MANUFACTURER	VILEDON	VILEDON	VILEDON	VILEDON	–	–	VILEDON	VILEDON	VILEDON	–	–	–	VILEDON	VILEDON	VILEDON	VILEDON
SOUND ATTENUATION DEVICE	MAX. VELOCITY: FPM	375	375	375	–	–	–	–	–	–	–	–	–	375	375	375	375
	MAX. P.D.: IN. WG	0.03	0.03	0.03	–	–	–	–	–	–	–	–	–	0.03	0.03	0.03	0.03
	HEIGHT: IN	144	121	121	–	–	–	–	–	–	–	–	–	144	144	144	144
	WIDTH: IN	200	135	135	–	–	–	–	–	–	–	–	–	153	145	195	195
	LENGTH: IN	60	60	60	–	–	–	–	–	–	–	–	–	60	60	60	60
	MFG/MODEL	HAKKON	HAKKON	HAKKON	–	–	–	–	–	–	–	–	–	HAKKON	HAKKON	HAKKON	HAKKON
OPER. WEIGHT	LBS	56,000	35,000	35,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	42,000	40,000	40,000	50,000	50,000
BASIS OF DESIGN	MANUFACTURER	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON	HAKKON
	NOTES	[4, 6]	[4, 6]	[4, 6]	[6]	[6]	[6]	[6]	[6]	[6]	[6]	[6]	[4, 6]	[4, 6]	[4, 6]	[4, 6]	[4, 6]

NOTES:
1. EACH AHU, RF, AND EF IS DESIGNED TO MEET SUPPLY FAN CFM WITH ONE FAN NOT RUNNING AT FUTURE MAX CAPACITY.
2. TOTAL STATIC PRESSURE IS CALLED OUT AT CURRENT/FUTURE CONDITIONS AND INCLUDES ALL COMPONENTS, AND 1.75 IN. WG ALLOWANCE FOR FILTER LOADING AND FUTURE FILTER.
3. NOMINAL AIRFLOW QUANTITY IS FOR ALL FANS RUNNING FOR THE AHU AT THE CURRENT AIRFLOW CAPACITY.
4. PROVIDE PERFORMANCE DATA FOR THE FOLLOWING CONDITIONS: MAXIMUM CFM PER FAN AT MAXIMUM UNIT AIRFLOW ("N-1" FANS RUNNING), NOMINAL CFM PER FAN AT MAXIMUM UNIT AIRFLOW ("N" FANS RUNNING).
5. SELECT COOLING, HEATING AND HEAT RECOVERY COILS WITH A 20% PROPYLENE GLYCOL MIXTURE.
6. ALL SAHU'S OPERATE ON EMERGENCY POWER.
7. TAB CONTRACTOR SHALL ADJUST FANS FOR ACTUAL CFM BASED ON THE SUM OF TERMINAL UNIT CFM PLUS ACTUAL DUCT LEAKAGE.
8. PERFORMANCE CRITERIA IS BASED ON FUTURE CONDITIONS.

OR 8 OR 7

HUMIDIFIERS - STEAM

MARK		H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8	H-9	H-10	H-11	H-12
LOCATION		MECH RM	MECH RM	MECH RM	MECH RM	MECH RM	MECH RM	MECH RM	MECH RM	MECH RM	MECH RM	MECH RM	MECH RM
SERVES		SAHU-2C	SAHU-2A	SAHU-2D	SAHU-2B	SAHU-5W DUCT	SAHU-2H	SAHU-2F	SAHU-2G	SAHU-2L	SAHU-3W	MULTI MAN.	SAHU-5 DUCT
CAPACITY	TYPE	DUCT	DUCT	DUCT	DUCT	DUCT	DUCT	DUCT	DUCT	DUCT	DUCT	DUCT	DUCT
	AIRFLOW: CFM	3,000	3,000	3,000	3,000	34,000	3,000	3,000	3,000	3,500	54,000	54,000	54,000
	STEAM: LBS/HR	85	85	85	85	600	85	85	85	100	960	960	600
	RELATIVE HUMIDITY: %	50	50	50	50	35	50	50	50	50	35	35	35
	PRESSURE: PSIG [1]	12	12	12	12	12	12	12	12	12	12	12	60 ⚠
SIZE	LENGTH: IN	36	36	36	36	78	36	36	36	[2]	[2]	[2]	120
OPER WEIGHT	WEIGHT: LBS	55	55	55	55	135	55	55	55	55	55	55	135
BASIS OF DESIGN	MANUFACTURER	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG	ARMSTRONG
	MODEL	1200	1200	1200	1200	1400	1200	1200	1200	1200	1400	1400	1400
	NOTES	[3] ⚠	[3]	[3]	[3]	[3]	[3]	[3]	[3]	[3]	[3]	[2, 3]	[2, 3] [3] ⚠

NOTES:
1. PRESSURE AT INLET OF CONTROL VALVE, SERIES 1000-EM.
2. STEAM DISTRIBUTION MANIFOLD INSTALLED IN AIR HANDLING UNIT.
3. CAPACITY BASED ON 100% OSA, 15 DEGREE EAT AND 50 DEGREE LAT.

OR 8 OR 7

SOUND ATTENUATORS

MARK		SA-1	SA-2	SA-3	SA-4	SA-5	SA-6	SA-7	SA-8
SERVES		SAHU-2C	SAHU-2A	SAHU-2D	SAHU-2B	SAHU-2H	SAHU-2F	SAHU-2F	SAHU-2E
TYPE	DESCRIPTION	LO FREQ	LO FREQ	LO FREQ	LO FREQ	LO FREQ	LO FREQ	LO FREQ	LO FREQ
	FLOW DIRECTION	POSITIVE	POSITIVE	POSITIVE	POSITIVE	POSITIVE	POSITIVE	POSITIVE	POSITIVE
CAPACITY	AIRFLOW: CFM	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,500
	FACE VEL: FPM	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,167
	PD: IN WG	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.11
SIZE	LENGTH: FT	60	60	60	60	60	60	60	60
	WIDTH: IN	36	36	36	36	36	36	36	36
	HEIGHT: IN	12	12	12	12	12	12	12	12
OCTAVE BANDS	1 (63 Hz)	5	5	5	5	5	5	5	5
	2 (125 Hz)	7	7	7	7	7	7	7	7
	3 (250 Hz)	14	14	14	14	14	14	14	14
	4 (500 Hz)	20	20	20	20	20	20	20	20
	5 (1,000 Hz)	22	22	22	22	22	22	22	22
	6 (2,000 Hz)	14	14	14	14	14	14	14	14
	7 (4,000 Hz)	11	11	11	11	11	11	11	11
	8 (8,000 Hz)	8	8	8	8	8	8	8	8
BASIS OF DESIGN	MANUFACTURER	IAC	IAC	IAC	IAC	IAC	IAC	IAC	IAC
	MODEL	HLFL	HLFL	HLFL	HLFL	HLFL	HLFL	HLFL	HLFL
	NOTES								

NOTE: THESE SCHEDULES ARE FOR EXISTING UNITS INSTALLED IN 2008 AS PART OF A SHELL AND CORE PROJECT. SHOWN FOR CONTRACTOR'S INFORMATION.

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general@hultzbhu.com Job Number: 21-026

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

MICHAEL LEO LANGLOIS STATE OF WASHINGTON 19370 REGISTERED PROFESSIONAL ENGINEER
SIGNED
4-2-2021

OWNER:
MultiCare Tacoma General Hospital

PROJECT NAME:
OR 7&8 Buildout
Good Samaritan Hospital
401 15th Ave SE
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

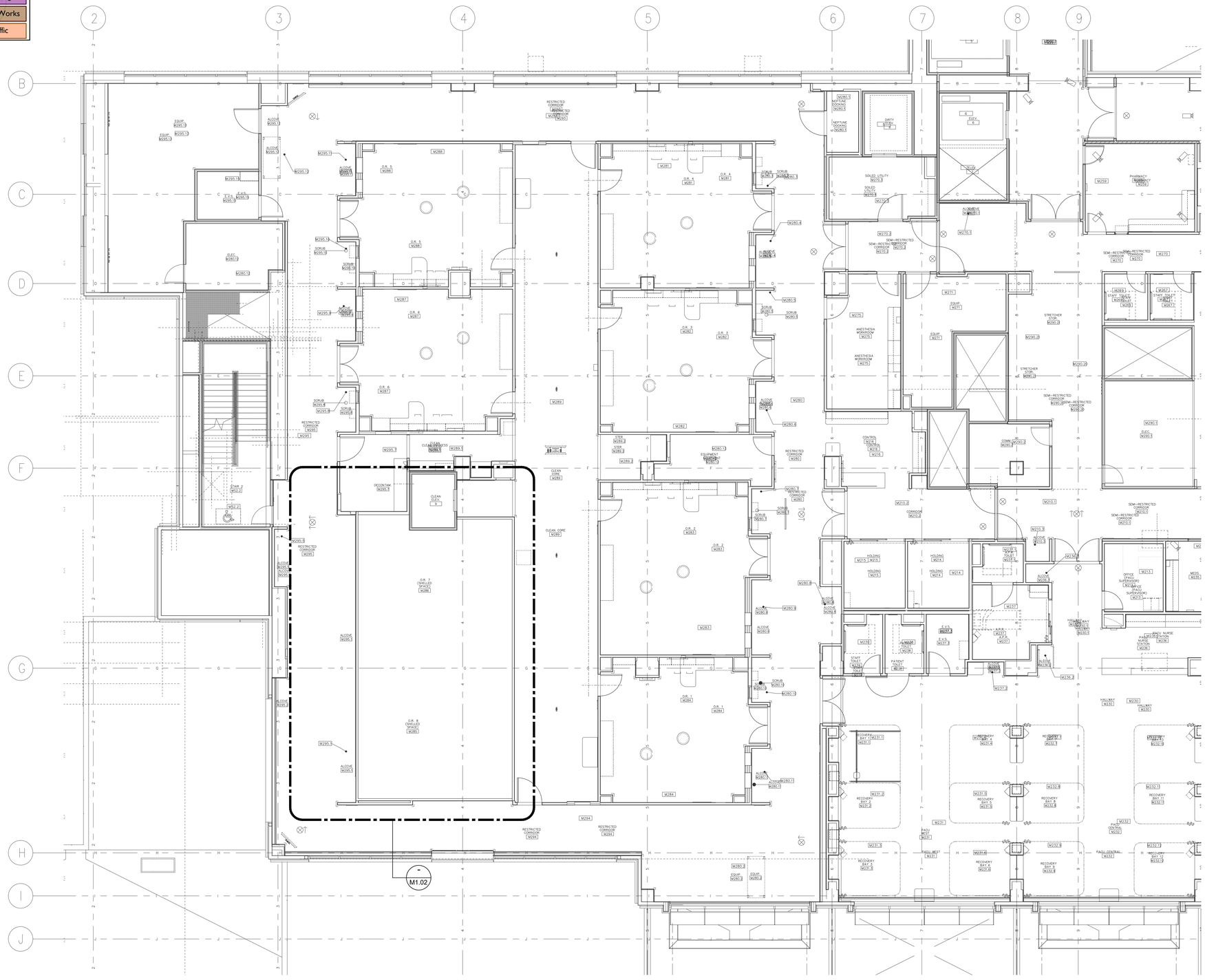
SHEET TITLE:
EXISTING EQUIPMENT MECHANICAL SCHEDULES

SHEET #:
M0.04

PLOTTED: Apr 02, 2021 - 11:04am PLOTTED BY: MattB
DWG PATH: C:\Users\mattb.HBHJ\AppData\Local\Temp\AcPublish_43976\21-026_M0.01-03.dwg

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

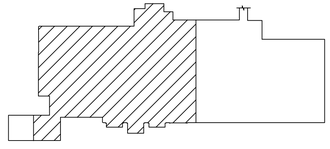
Building	Planning
Engineering	Public Works
Fire	Traffic



GENERAL NOTES:

1. FOR GENERAL DEMOLITION NOTES SEE SHEET M0.02.

KEYPLAN



PARTIAL 2ND FLOOR PLAN - PLUMBING DEMO

0 4 8 16FT

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

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18329
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	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:

PARTIAL 2ND FLOOR PLAN - PLUMBING DEMO

SHEET #:

M1.01

PLOTTED: Apr 02, 2021 - 11:04am PLOTTED BY: Matt B
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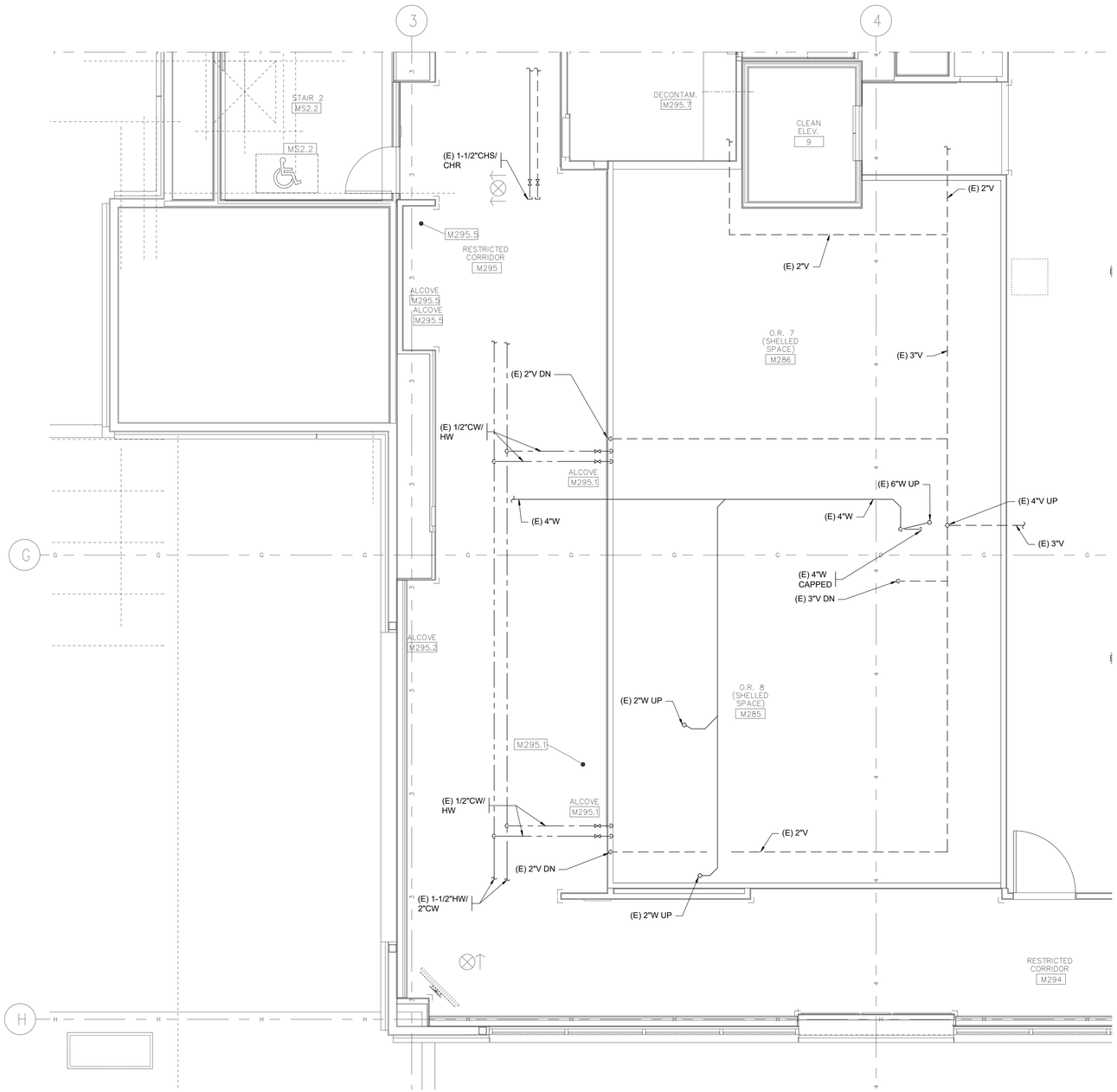
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



ENLARGED PLAN OR 7 & 8 - PLUMBING DEMO

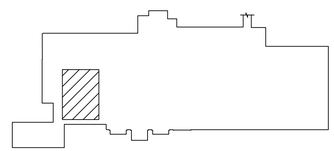
0 2 4 8FT

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

GENERAL NOTES:

1. FOR GENERAL DEMOLITION NOTES SEE SHEET M0.02.

KEYPLAN



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MICHAEL LEO THOMAS
STATE OF WASHINGTON
18370
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SIGNED
4-2-2021

OWNER:

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MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:

ENLARGED PLAN OR 7 & 8 - PLUMBING DEMO

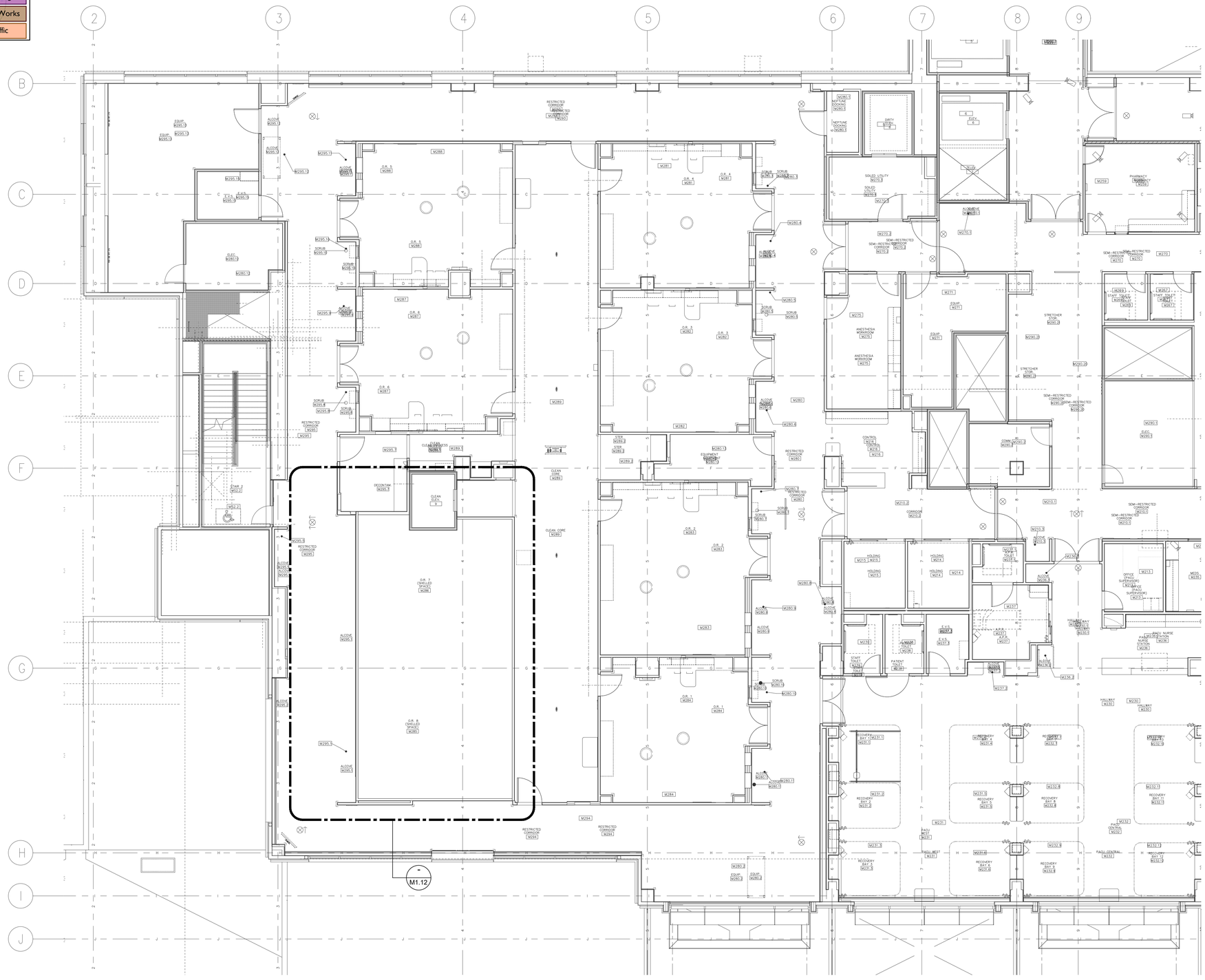
SHEET #:

M1.02

PLOTTED: Apr 02, 2021 - 11:04am PLOTTED BY: MattB
DWG PATH: I:\2021 Jobs\21-026\Acad\Mech\21-026_M1.02.dwg

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

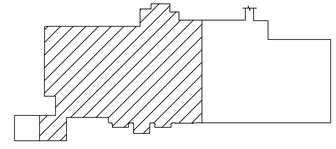
Building	Planning
Engineering	Public Works
Fire	Traffic



GENERAL NOTES:

1. FOR GENERAL DEMOLITION NOTES SEE SHEET M0.02.

KEYPLAN



PARTIAL 2ND FLOOR PLAN - HVAC DEMO

0 4 8 16FT

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

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	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:

PARTIAL 2ND FLOOR PLAN - HVAC DEMO

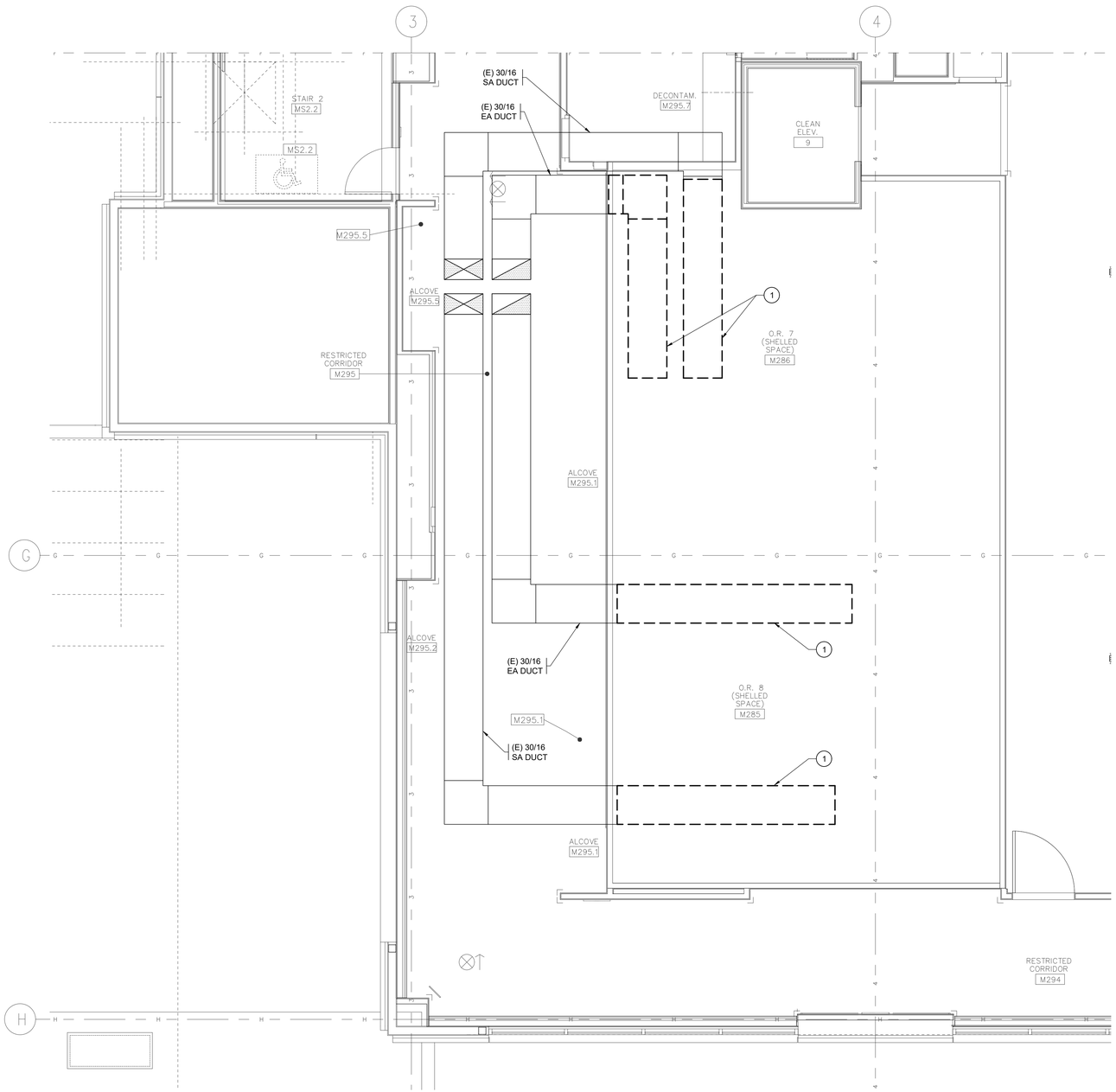
SHEET #:

M1.11

PLOTTED: Apr 02, 2021 - 11:05am PLOTTED BY: Matt B
DWG PATH: k:\2021 Jobs\21-026\AcadVTech\21-026_M1.11.dwg

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



ENLARGED PLAN OR 7 & 8 - HVAC DEMO

0 2 4 8FT

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

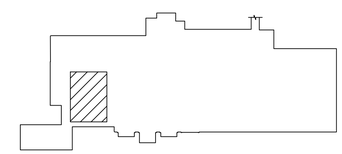
GENERAL NOTES:

1. FOR GENERAL DEMOLITION NOTES SEE SHEET M0.02.

KEYED NOTES:

1. REMOVE (E) DUCTWORK AND ASSOCIATED SUPPORTS & ACCESSORIES.

KEYPLAN



HULTZ BHU engineers inc
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general@hultzbhu.com Job Number: 21-026

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Seattle, WA 98125
206-601-6645

MICHAEL LEO THOMAS
STATE OF WASHINGTON
18370
REGISTERED
PROFESSIONAL ENGINEER

SIGNED
4-2-2021

OWNER:

MultiCare
Tacoma General Hospital

PROJECT NAME:

OR 7&8 Buildout

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

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

SHEET TITLE:
ENLARGED PLAN OR 7 & 8 - HVAC DEMO

SHEET #:
M1.12

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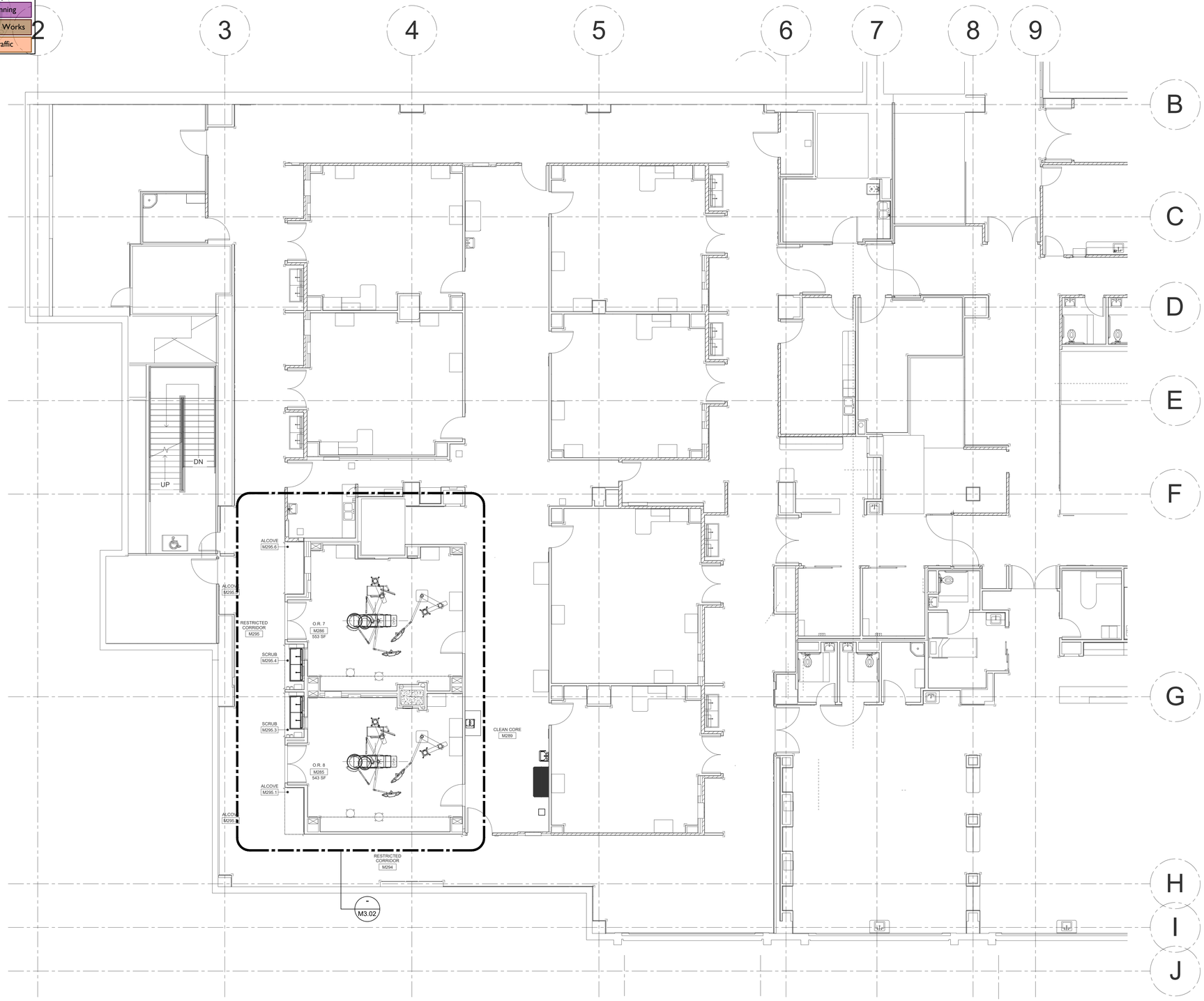
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



PARTIAL 2ND FLOOR PLAN - PLUMBING

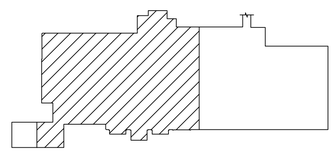
0 4 8 16FT

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

GENERAL NOTES:

1. FOR GENERAL NOTES SEE SHEET M0.01 & M0.02.
2. FOR PIPING SIZES TO INDIVIDUAL FIXTURES, SEE PLUMBING FIXTURE SCHEDULE ON SHEET M0.03.
3. OFFSET VTR'S AND PIPING AS REQUIRED TO AVOID DUCTWORK AND OTHER OBSTRUCTIONS. VTR'S SHALL BE A MINIMUM OF 15 FEET FROM ANY OUTSIDE AIR OPENING.
4. PROVIDE PIPING CONNECTIONS TO EQUIPMENT PER EQUIPMENT MFR'S REQUIREMENTS.

KEYPLAN



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MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:

PARTIAL 2ND FLOOR PLAN - PLUMBING

SHEET #:

M3.01

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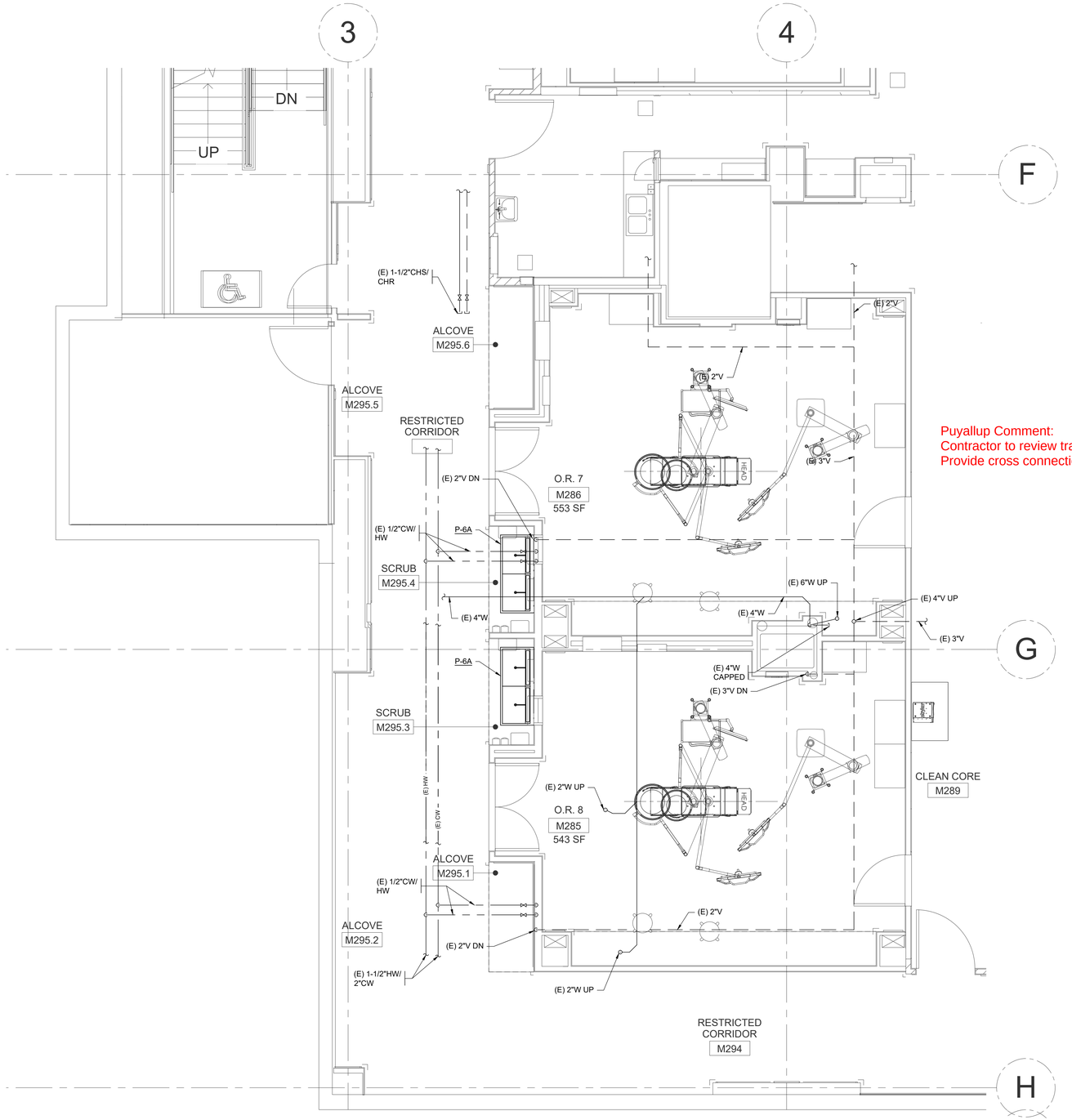
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



Puyallup Comment:
Contractor to review trap seals function and service at floor drains.
Provide cross connection per the Uniform Plumbing Code.

GENERAL NOTES:

1. FOR GENERAL NOTES SEE SHEET M0.01 & M0.02.
2. FOR PIPING SIZES TO INDIVIDUAL FIXTURES, SEE PLUMBING FIXTURE SCHEDULE ON SHEET M0.03.
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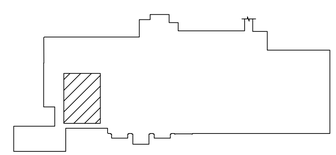
4. PROVIDE PIPING CONNECTIONS TO EQUIPMENT PER EQUIPMENT MFR'S REQUIREMENTS.

KEYPLAN



ENLARGED PLAN OR 7 & 8 - PLUMBING

0 2 4 8FT
SCALE: 1/4" = 1'-0"

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MICHAEL LEO THOMAS
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MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

SHEET TITLE:
ENLARGED PLAN OR 7 & 8 - PLUMBING

SHEET #:
M3.02

PLOTTED: Apr 02, 2021 - 11:05am PLOTTED BY: MattB
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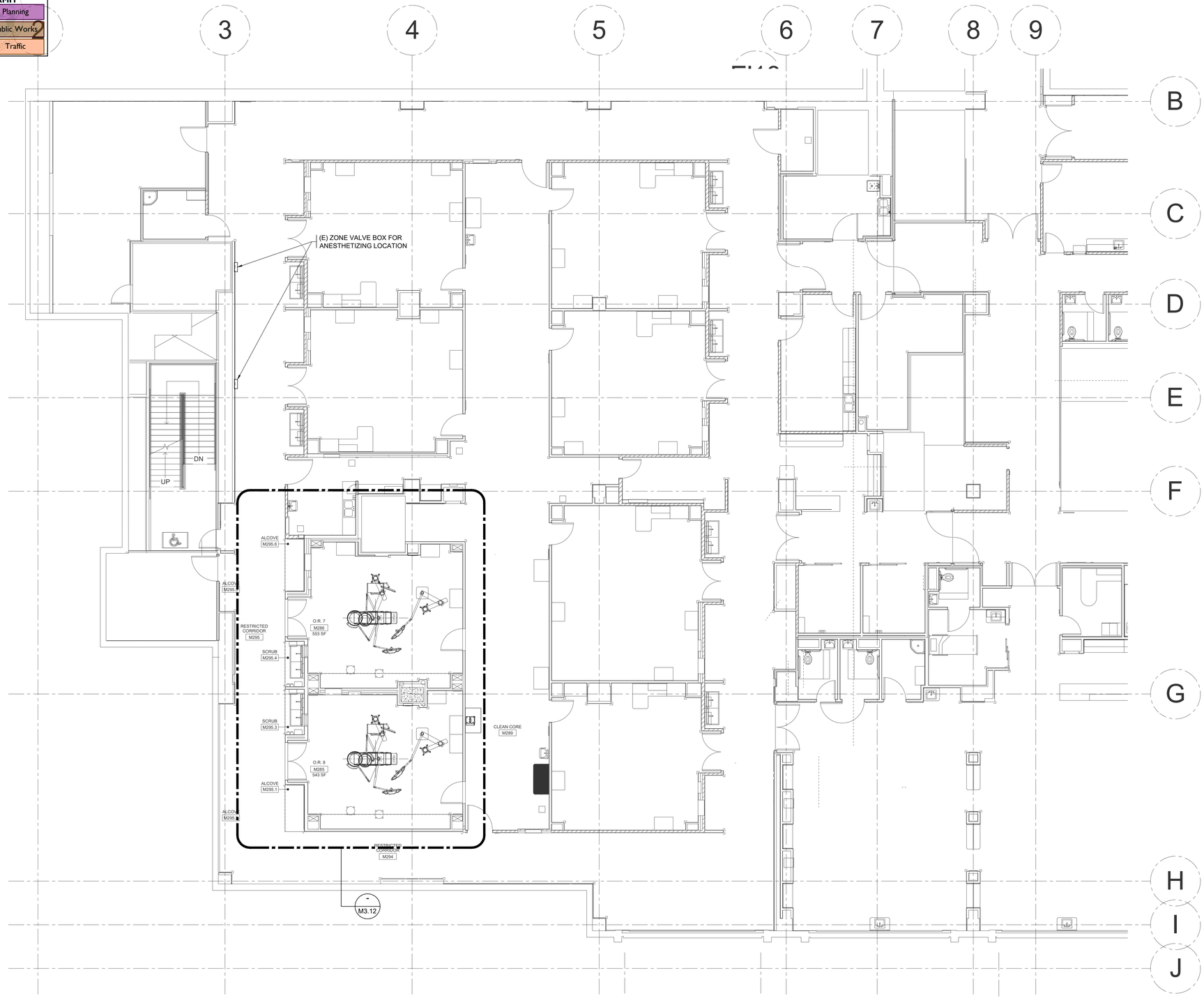
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



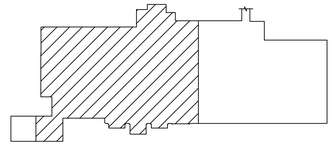
GENERAL NOTES:

1. FOR GENERAL NOTES SEE SHEET M0.01 & M0.02.
2. MEDICAL GAS SYSTEM SHALL COMPLY WITH NFPA 99 AS A LEVEL 1 PIPED SYSTEM.
3. CONTRACTOR SHALL PROVIDE 3RD PARTY MEDICAL GAS LINE VERIFICATION REPORT. PRELIMINARY TESTING PARTY: MEDICAL GAS SERVICES: 425-877 9623

KEYED NOTES:

(1) -

KEYPLAN



PARTIAL 2ND FLOOR PLAN - MED GAS

0 4 8 16FT
SCALE: 1/8" = 1'-0"

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MICHAEL LEO THOMAS — STATE OF WASHINGTON — 18370 — REGISTERED PROFESSIONAL ENGINEER
SIGNED
4-2-2021

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MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
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PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

SHEET TITLE:
PARTIAL 2ND FLOOR PLAN - MED GAS

SHEET #:
M3.11

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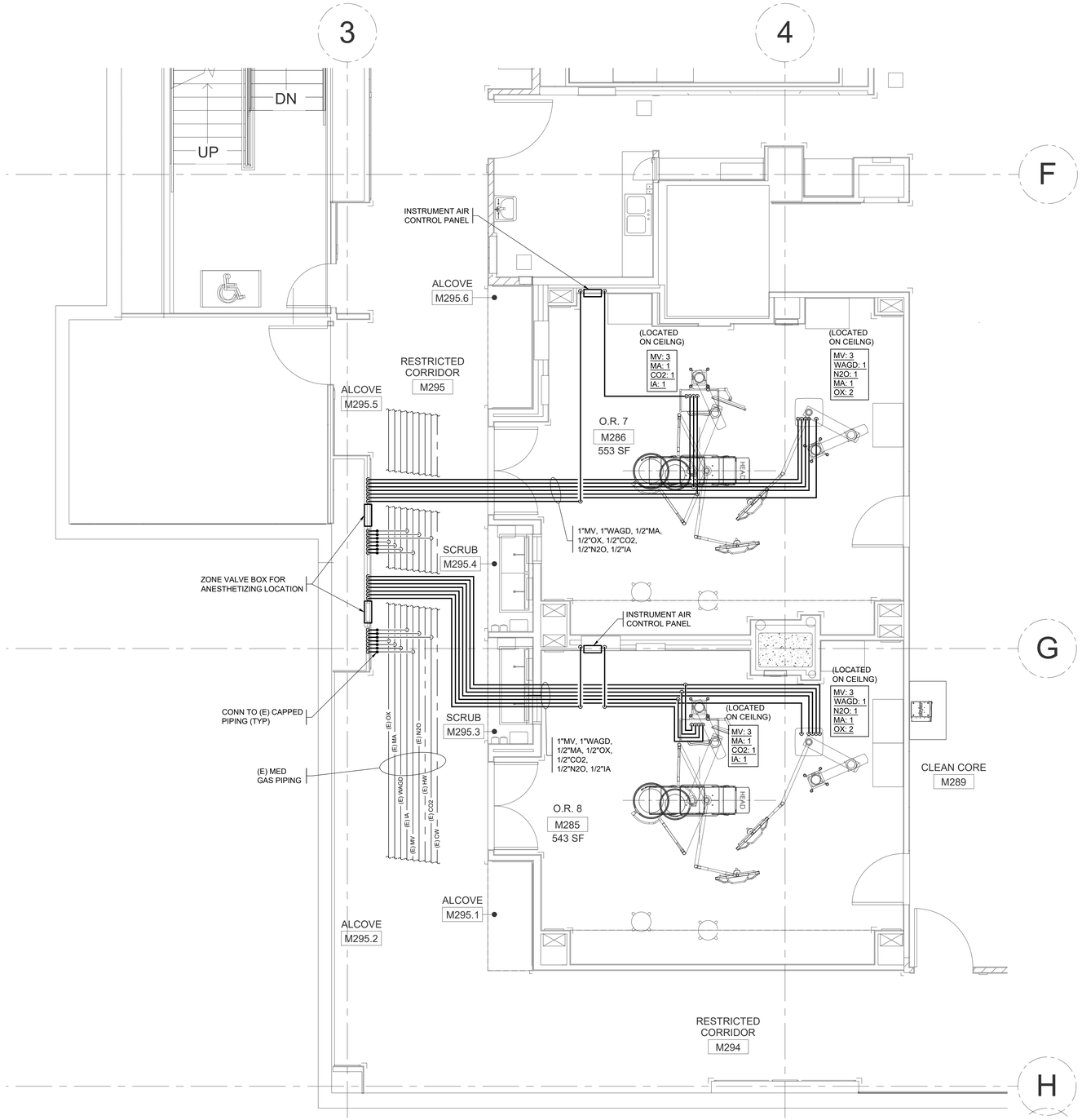
Building	Planning
Engineering	Public Works
Fire	Traffic



GENERAL NOTES:

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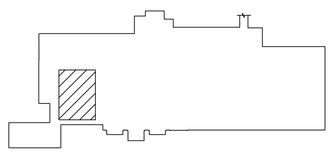
2. MEDICAL GAS SYSTEM SHALL COMPLY WITH NFPA 99 AS A LEVEL 1 PIPED SYSTEM.
3. CONTRACTOR SHALL PROVIDE 3RD PARTY MEDICAL GAS LINE VERIFICATION REPORT. PRELIMINARY TESTING PARTY: MEDICAL GAS SERVICES: 425-877 9623

ENLARGED PLAN OR 7 & 8 - MED GAS

0 2 4 8FT

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

KEYPLAN



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MICHAEL LEO THOMAS
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4-2-2021

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Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:

ENLARGED PLAN OR 7 & 8 - MED GAS

SHEET #:

M3.12

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general@hultzbhu.com
Job Number: 21-026

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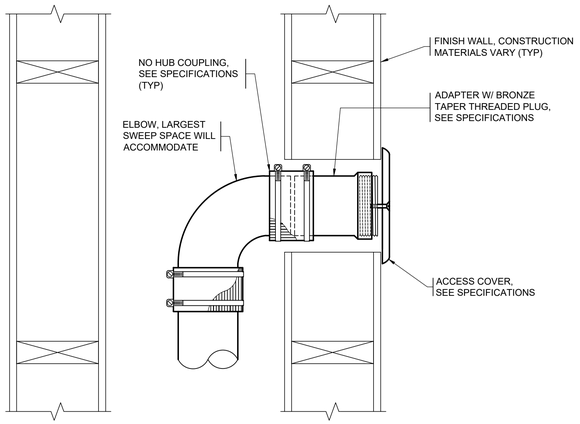
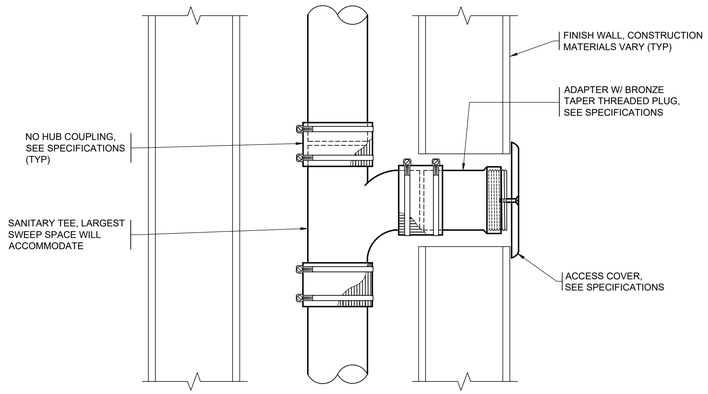
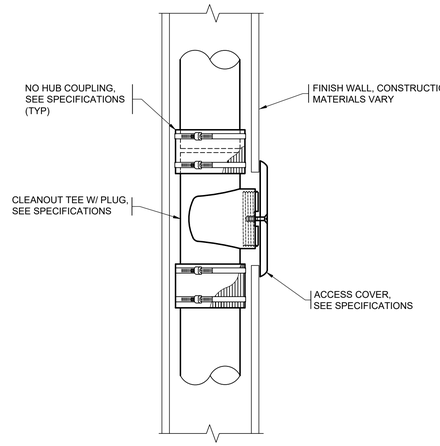


WALL CLEANOUT-W/ ELBOW 3 / M3.20
NTS



WALL CLEANOUT-W/ TEE IN CHASE 1 / M3.20
NTS



WALL CLEANOUT-IN WALL 2 / M3.20
NTS

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206-601-6645

MICHAEL LEO THOMAS — STATE OF WASHINGTON — 18370 — REGISTERED PROFESSIONAL ENGINEER

SIGNED
4-2-2021

OWNER:
MultiCare Tacoma General Hospital

PROJECT NAME:
OR 7&8 Buildout

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

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

SHEET TITLE:
PLUMBING DETAILS

SHEET #:
M3.20

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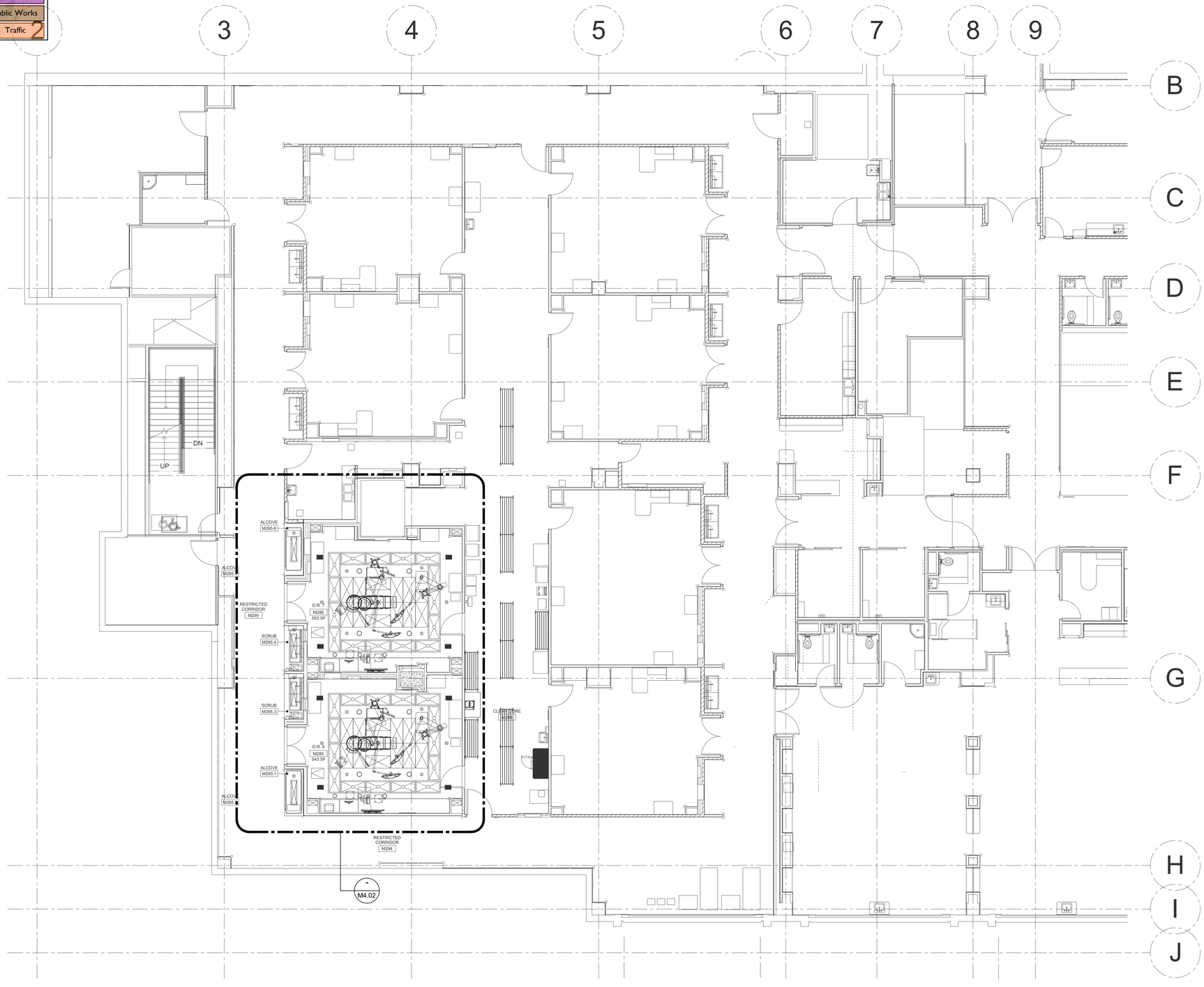
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

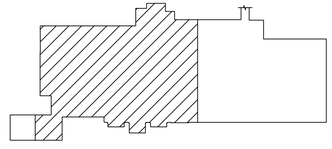
Building	Planning
Engineering	Public Works
Fire	Traffic



GENERAL NOTES:

1. FOR GENERAL NOTES SEE SHEET M0.01 & M0.02.

KEYPLAN



PARTIAL 2ND FLOOR PLAN - HVAC

0 4 8 16FT

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

HULTZ BHU engineers inc
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OWNER:

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MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:

PARTIAL 2ND FLOOR PLAN - HVAC

SHEET #:

M4.01

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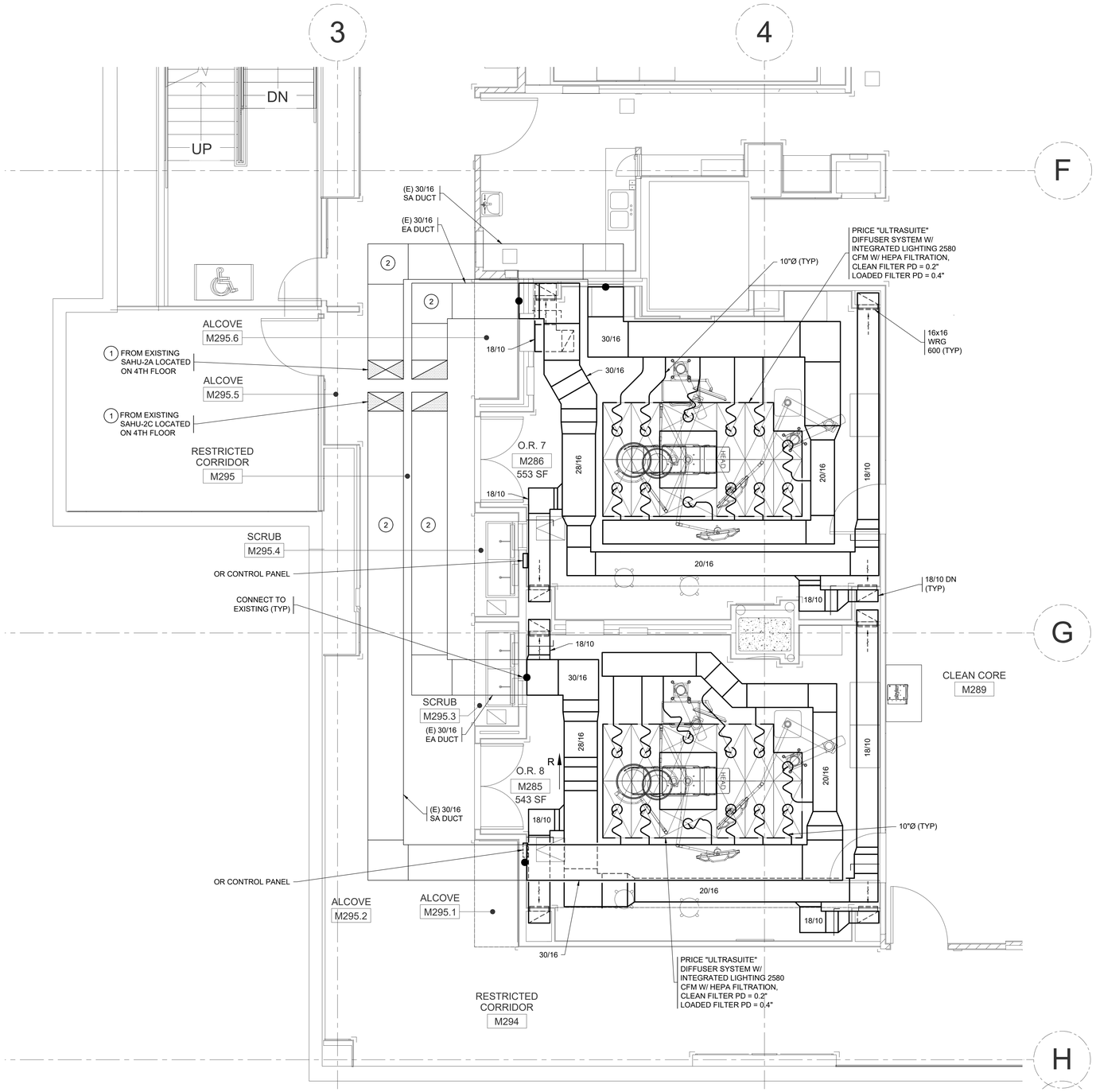


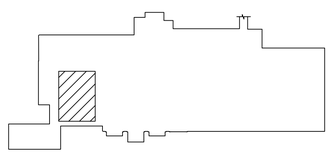
GENERAL NOTES:

1. FOR GENERAL NOTES SEE SHEET M0.01 & M0.02.

KEYED NOTES:

1. EXISTING HVAC UNITS WERE INSTALLED IN 2008 AS PART OF A SHELL AND CORE PROJECT. EXISTING UNITS ARE MANUFACTURED BY HAAKON. CONTRACTOR SHALL OBTAIN NEW START-UP/ RECOMMISSIONING BY MANUFACTURER. WORK INCLUDES UNIT WITH PRE-FILTERS, SOUND ATTENUATOR, HEAT RECOVERY COIL, HYDRONIC PRE-HEAT COIL, COOLING COIL, FAN, FINAL FILTERS, REHEAT COIL.
2. PROVIDE PROFESSIONAL DUCT CLEANING OF EXISTING DUCTWORK, FROM OR, TO EXISTING HVAC UNITS, ALSO, PROVIDE COMPLETE CLEANING OF EXISTING HVAC UNITS. CLEAN UNIT INSIDE AND OUT. PROVIDE BALANCING OF ALL COMPONENTS.

KEYPLAN



ENLARGED PLAN OR 7 & 8 - HVAC

0 2 4 8FT
SCALE: 1/4" = 1'-0"

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SHEET TITLE:
ENLARGED PLAN OR 7 & 8 - HVAC

SHEET #:
M4.02

PLOTTED: Apr 02, 2021 - 11:05am PLOTTED BY: rhatlb
DWG PATH: I:\2021 Jobs\21-026\Acad\Tech\21-026a_PH4.02.dwg

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

ENLARGED PARTIAL PLAN - 3RD FLOOR HVAC

0 2 4 8FT

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

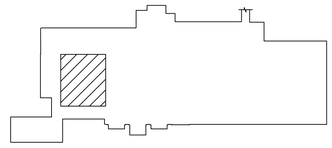
GENERAL NOTES:

1. FOR GENERAL NOTES SEE SHEET M0.01 & M0.02.

KEYED NOTES:

1. NOT USED.
2. PROVIDE PROFESSIONAL DUCT CLEANING OF EXISTING DUCTWORK, FROM OR, TO EXISTING HVAC UNITS, ALSO, PROVIDE COMPLETE CLEANING OF EXISTING HVAC UNITS. CLEAN UNIT INSIDE AND OUT. PROVIDE BALANCING OF ALL COMPONENTS.

KEYPLAN



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	4/2/2021	PERMIT SET

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SHEET TITLE:
ENLARGED PARTIAL PLAN - 3RD FLOOR HVAC

SHEET #:
M4.03

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DWG PATH: I:\2021 Jobs\21-026\Acad\Mech\21-026_M4.03.dwg
NTS

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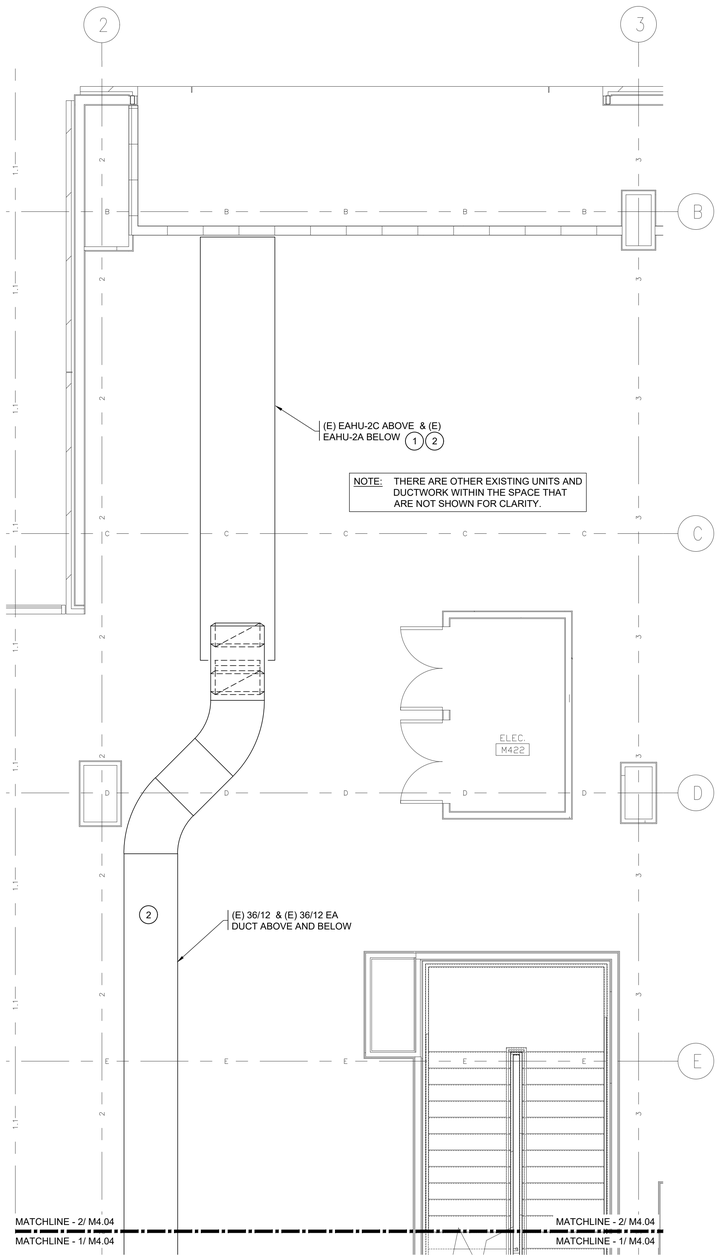
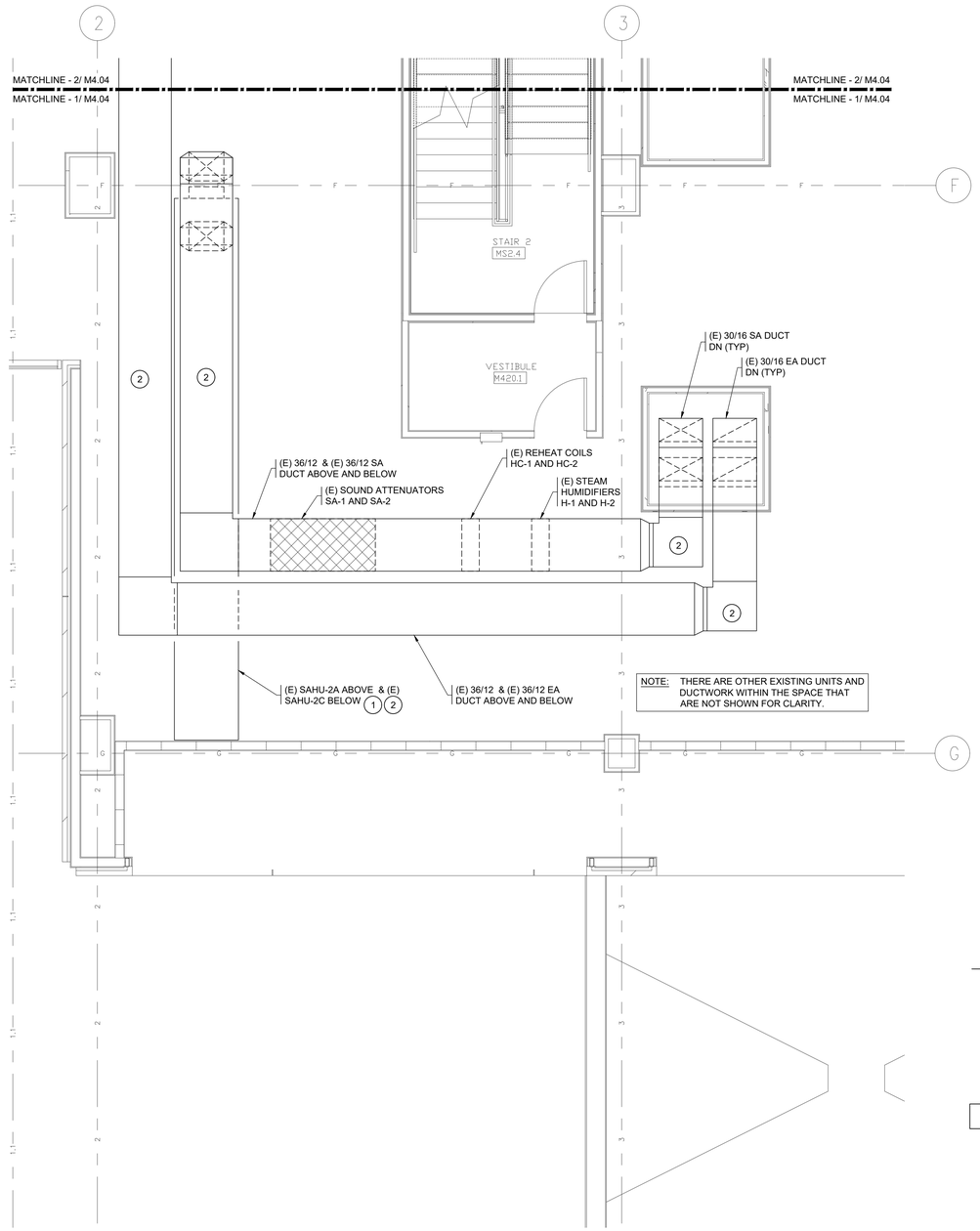
Building	Planning
Engineering	Public Works
Fire	Traffic





GENERAL NOTES:

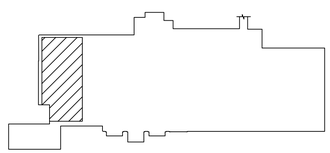
1. FOR GENERAL NOTES SEE SHEET M0.01 & M0.02.

KEYED NOTES:

(1) EXISTING HVAC UNITS WERE INSTALLED IN 2008 AS PART OF A SHELL AND CORE PROJECT. EXISTING UNITS ARE MANUFACTURED BY HAAKON. CONTRACTOR SHALL OBTAIN NEW START-UP/ RECOMMISSIONING BY MANUFACTURER. WORK INCLUDES UNIT WITH PRE-FILTERS, SOUND ATTENUATOR, HEAT RECOVERY COIL, HYDRONIC PRE-HEAT COIL, COOLING COIL, FAN, FINAL FILTERS, REHEAT COIL.

(2) PROVIDE PROFESSIONAL DUCT CLEANING OF EXISTING DUCTWORK, FROM OR, TO EXISTING HVAC UNITS, ALSO, PROVIDE COMPLETE CLEANING OF EXISTING HVAC UNITS. CLEAN UNIT INSIDE AND OUT. PROVIDE BALANCING OF ALL COMPONENTS.

KEYPLAN



2 / M4.04 ENLARGED PARTIAL PLAN - 4TH FLOOR HVAC

0 2 4 8FT
SCALE: 1/4" = 1'-0"

1 / M4.04 ENLARGED PARTIAL PLAN - 4TH FLOOR HVAC

0 2 4 8FT
SCALE: 1/4" = 1'-0"

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SIGNED
4-2-2021

OWNER:

MultiCare Tacoma General Hospital

PROJECT NAME:

OR 7&8 Buildout

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

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021
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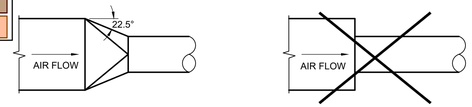
SHEET TITLE:
ENLARGED PARTIAL PLAN - 4TH FLOOR HVAC

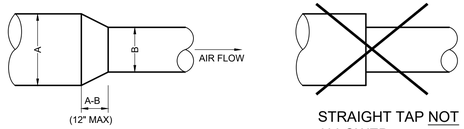
SHEET #:
M4.04

PLOTTED: Apr 02, 2021 - 11:06am PLOTTED BY: *tatB
DWG PATH: I:\2021 Jobs\21-026\Acad\Tech\21-026_M4.04.dwg



RECT - TO ROUND

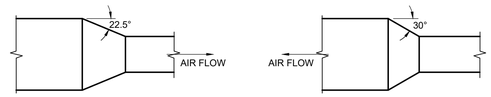
STRAIGHT TAP NOT ALLOWED



ROUND - TO ROUND

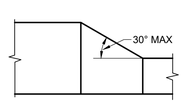
STRAIGHT TAP NOT ALLOWED

ROUND TRANSITIONS
NTS — 3 / M4.20



CONCENTRIC TRANSITION (DIVERGING)

CONCENTRIC TRANSITION (CONVERGING)



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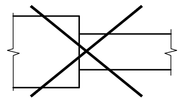
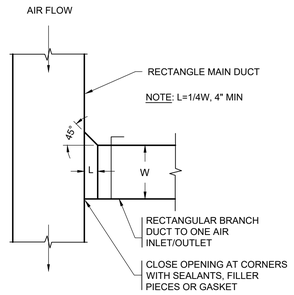


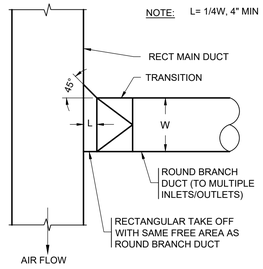
STRAIGHT TAP NOT ALLOWED

RECT-TO-RECT TRANSITIONS
NTS — 6 / M4.20



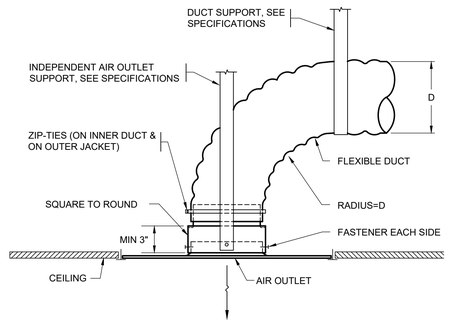
SERVING ONE INLET/OUTLET

RECT-TO-RECT BRANCH DUCT CONNECTION
NTS — 2 / M4.20



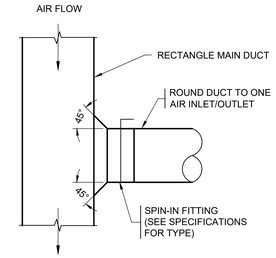
SERVING MULTIPLE INLET/OUTLET

RECT-TO-ROUND BRANCH DUCT CONNECTION
NTS — 5 / M4.20



NOTES:
1. USE WHERE ADEQUATE SPACE IS AVAILABLE FOR FLEX DUCT RADIUS, AND WHERE FLEX DUCT IS SHOWN ON PLANS TO AIR OUTLET.
2. NOT ALLOWED AT TRANSFER DUCTS.
3. WHEN THERE IS INSUFFICIENT ROOM TO MAINTAIN FLEX DUCT RADIUS, SEE DETAIL TITLED "TIGHT CONDITION - FLEX DUCT AIR OUTLET CONNECTION."
4. NOT ALLOWED WHERE LINED "CANS" (OR LINED DUCTS) SHOWN (OR REQ'D) AT AIR OUTLETS.
5. CEILING TYPE & AIR OUTLET FRAME STYLE MAY VARY FROM THAT DEPICTED.
6. NOT ALL SUPPORTS SHOWN FOR CLARITY.

FLEX DUCT AIR OUTLET CONNECTION
NTS — 7 / M4.20

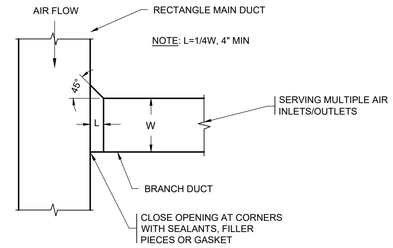


BRANCH SERVING MULTIPLE AIR INLETS/OUTLETS

NOTE:

WHERE MAIN DUCT DOES NOT HAVE ADEQUATE HEIGHT TO ACCEPT ROUND DUCT, PROVIDE RECTANGULAR CONNECTION, WITH SAME FREE AREA AS ROUND DUCT, AND TRANSITION TO ROUND

RECT-TO-ROUND BRANCH DUCT CONNECTION
NTS — 1 / M4.20



RECT-TO-RECT BRANCH DUCT CONNECTION
NTS — 4 / M4.20

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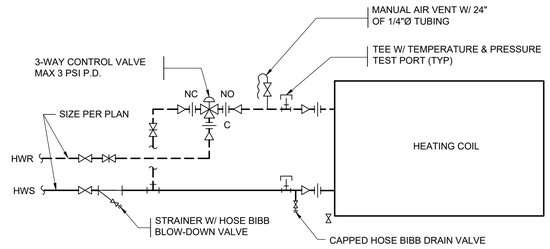
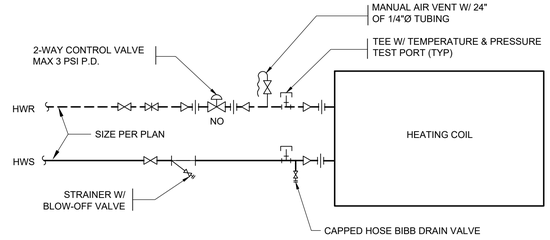


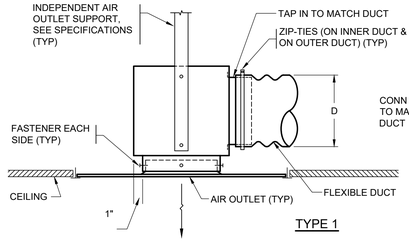
3-WAY CONTROL VALVE



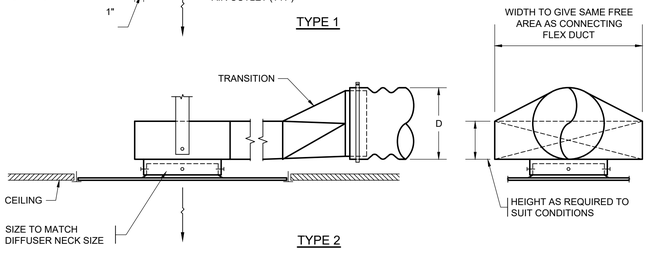
2-WAY CONTROL VALVE

NOTES:
1. LOCATE COIL VALVING PIPING SO AS NOT TO OBSTRUCT UNIT ACCESS.
2. LOCATE DRAIN AT LOW POINT TO ALLOW COMPLETE COIL DRAINING.

HEATING COIL PIPING DETAIL
NTS
9
M4.21



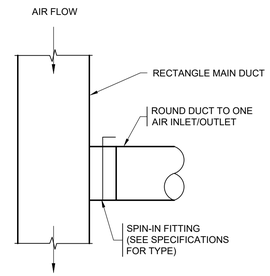
TYPE 1



TYPE 2

NOTES:
1. PROVIDE TYPE 1 UNLESS BUILDING CONDITIONS REQUIRE LOWER PROFILE - THEN USE TYPE 2.
2. CONSTRUCT PLENUM BOXES OF MIN. 26 GA. GALV. STEEL.
3. NOT ALLOWED AT TRANSFER DUCTS.
4. LINE PLENUM & DUCT TO AIR OUTLET WHERE SO NOTED ON PLANS OR IN SPECIFICATIONS.
5. CEILING TYPE & AIR OUTLET FRAME STYLE MAY VARY FROM THAT DEPICTED.
6. NOT ALL SUPPORTS ARE SHOWN FOR CLARITY.
7. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

TIGHT CONDITION - FLEX DUCT AIR OUTLET CONNECTION
NTS
11
M4.21

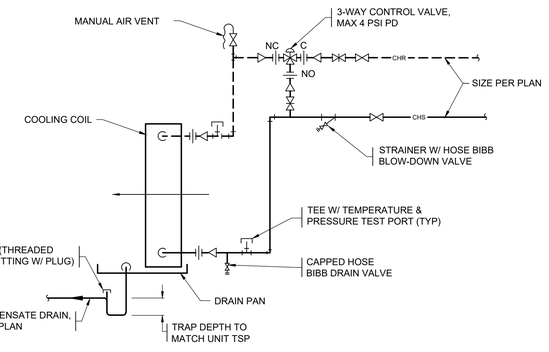


SERVING ONE INLET/OUTLET

NOTE:

WHERE MAIN DUCT DOES NOT HAVE ADEQUATE HEIGHT TO ACCEPT ROUND DUCT, PROVIDE RECTANGULAR CONNECTION, WITH SAME FREE AREA AS ROUND DUCT, AND TRANSITION TO ROUND

RECT-TO-ROUND BRANCH DUCT CONNECTION
NTS
8
M4.20



NOTES:
1. LOCATE COIL VALVING/PIPING SO AS NOT TO OBSTRUCT UNIT ACCESS.
2. CONDENSATE TRAP MAY BE LOCATED AWAY FROM UNIT SO AS NOT TO OBSTRUCT UNIT ACCESS.
3. 2-WAY CONTROL VALVE PIPING IS THE SAME BUT WITHOUT "NO" CONNECTION TO 3-WAY VALVE.

COOLING COIL PIPING DETAIL
NTS
10
M4.21

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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
  - 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

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
o	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)
J	JUNCTION BOX – CEILING OR EXPOSED
B	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 SEPARATE NEUTRAL CONDUCTOR FOR BRANCH CIRCUITS SERVING RECEPTACLE OUTLETS UNLESS OTHERWISE INDICATED.
2. POWER, AND MECHANICAL EQUIPMENT CONDUCTORS SHALL NOT BE COMBINED IN THE SAME RACEWAY UNLESS NOTED OTHERWISE.
3. VERIFY BACK BOX REQUIREMENTS OF EQUIPMENT FURNISHED UNDER OTHER THAN DIVISION 26 SECTIONS AND EQUIPMENT FURNISHED BY OWNER.

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.

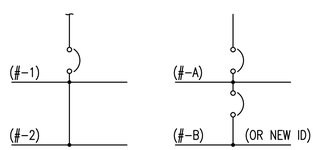
DIVISION 27

1. COORDINATE WITH OWNER'S VENDOR TO OBTAIN PROPOSED ROUTING AND RECOMMENDED LOCATION AND SIZE OF CONDUIT SLEEVES FOR INSTALLING OPEN SIGNAL CABLES THRU FIRE RATED CONSTRUCTION, DRAFT STOPS, AND PARTITION WALLS IN ACCESSIBLE CEILING SPACES. SIZE SLEEVES WITH 25% MINIMUM SPACE CAPACITY. INDICATE ON SHOP DRAWINGS FOR COORDINATION.
2. REFER TO MULTICARE MASTER SPECIFICATIONS FOR USE ON ALL HOSPITAL PROJECTS.

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

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LEGEND, NOTES & ABBREVIATIONS

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Development & Permitting Services
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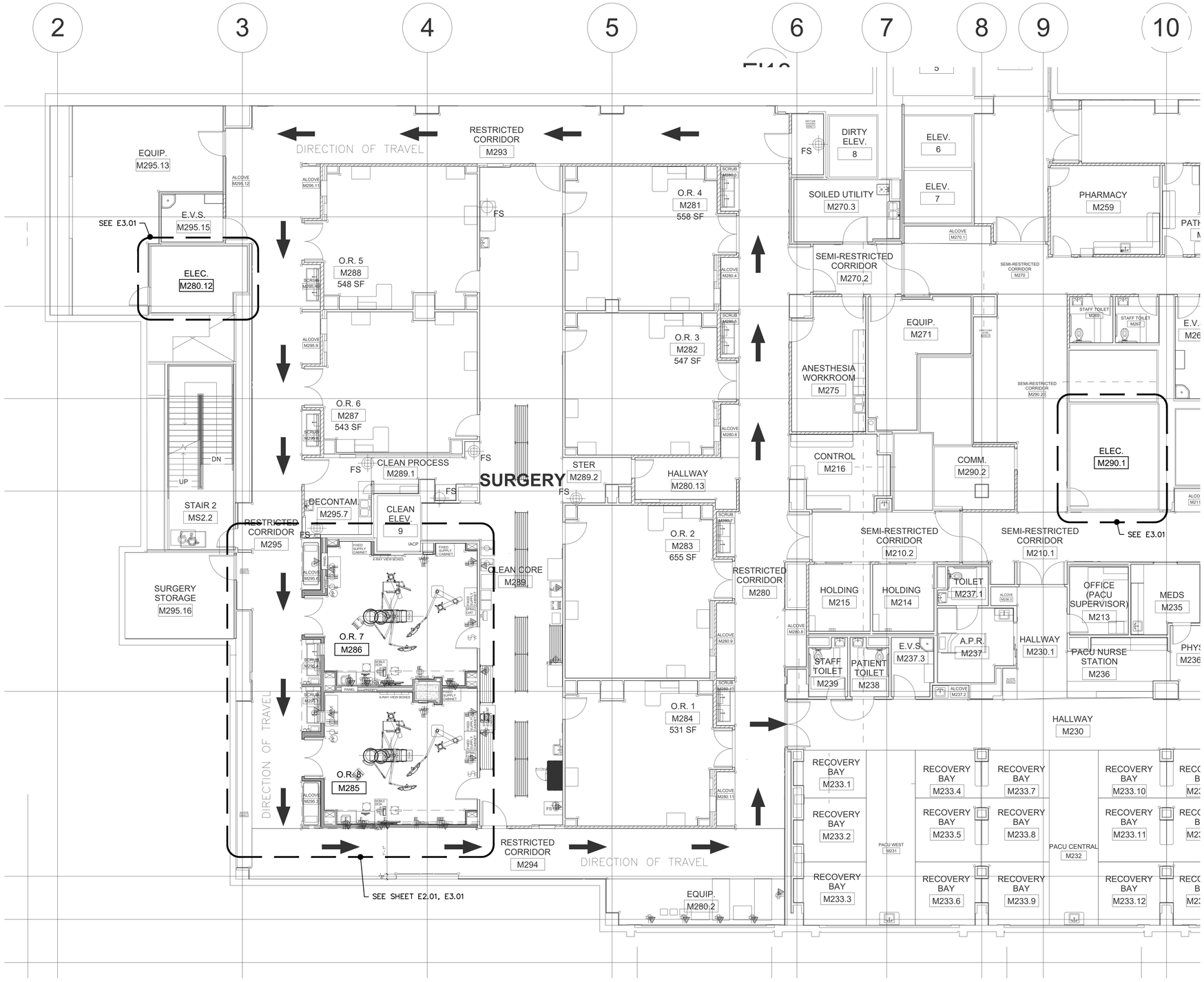
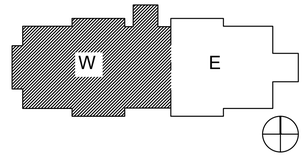
Building	Planning
Engineering	Public Works
Fire	Traffic



KEY PLAN



NORTH

SECOND FLOOR PLAN - WEST

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

2' 8'
0' 4' 16'

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THOMAS URQUHART STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER

SIGNED
02 APRIL 2021

OWNER:

MultiCare Tacoma General Hospital

PROJECT NAME:

OR 7&8 Buildout

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

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232

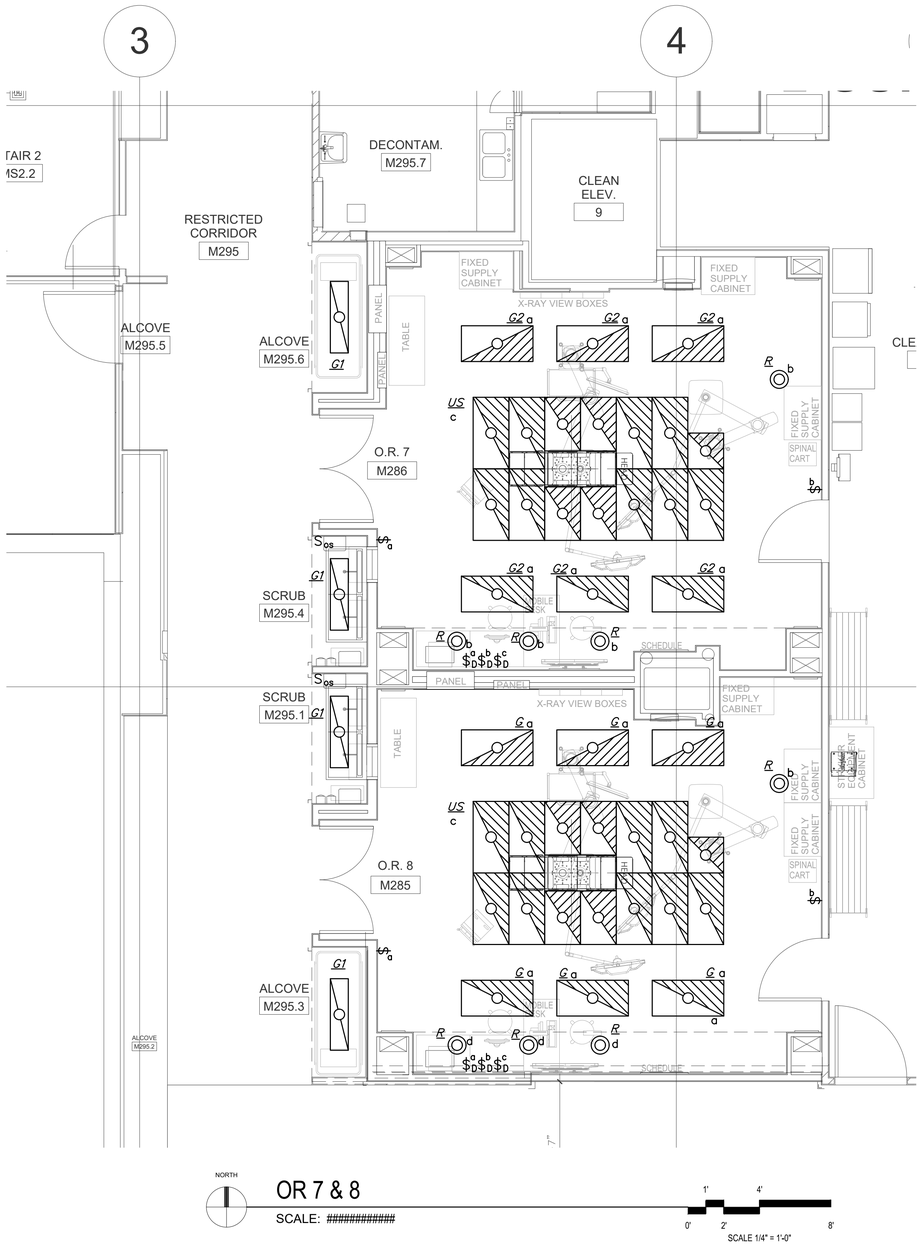
DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:
PARTIAL 2ND FLOOR PLAN - WEST

SHEET #:
E1.01

PLOTTED: Apr 02, 2021 - 11:55am PLOTTED BY: NeilM
DWG PATH: L:\2021 jobs\21-026\Acad\Elec\21-026 E101 PARTIAL FLOOR PLAN.dwg

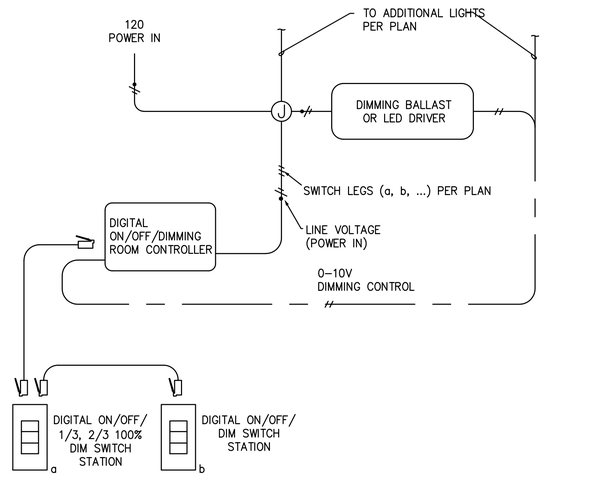


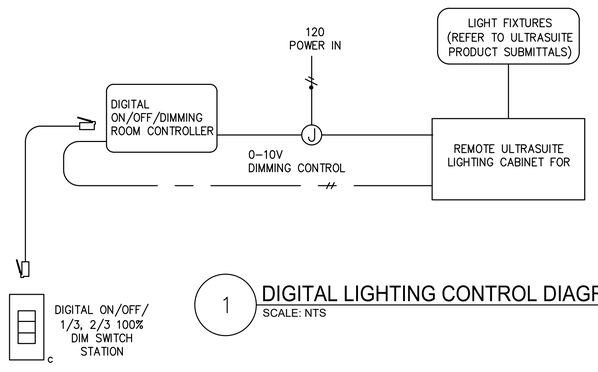
LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	LAMP	VOLTAGE	INPUT WATTS	BALLAST/ DRIVER	REMARKS
G1	RECESSED, 1'X4', LED FIXTURE, ACRYLIC LENS, ANTIMICROBIAL FINISH, SYMMETRIC, DRYWALL KIT	HE WILLIAMS MDS	LED 4000K 7000 LUMEN	120	62	0–10V DIMMING	
G2	RECESSED, 2'X4', LED FIXTURE, ACRYLIC LENS, ANTIMICROBIAL FINISH, ASYMMETRIC, DRYWALL KIT	HE WILLIAMS MDS	LED 5000K 11600 LUMEN	120	98	0–10V DIMMING	
R	RECESSED LENS LED DOWNLIGHT, ROUND OVERLAP TRIM, REGRESSED LENS, WARM DIFFUSE REFLECTOR.		LED 4000K 1500 LUMEN	120	25	0–10V DIMMING	
US	ULTRASUITE LIGHTING/HVAC ASSEMBLY TASK LIGHTING.	ULTRASUITE	LED 5100K	120	2'–123 3'–156 4'–190 2457W	0–10V DIMMING	FIXTURE AND REMOTE DRIVER CABINET FURNISHED BY ULTRASUITE

NOTES:

1. LED LUMENS ARE BASED ON TOTAL ILLUMINATION OUTPUT OF THE LUMINAIRE UNLESS OTHERWISE INDICATED.
2. LED DRIVERS FOR LOW VOLTAGE DIMMING SHALL BE 0–10 VOLTS UNLESS OTHERWISE INDICATED.





1 DIGITAL LIGHTING CONTROL DIAGRAMS
SCALE: NTS

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THOMAS URQUHART
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	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

SHEET TITLE:
LIGHTING PLAN

SHEET #:
E2.01

PLOTTED: Apr. 02, 2021 – 11:55am PLOTTED BY: NeilM
DWG PATH: I:\2021 jobs\21-028\Acad\Elec\21-028 E201 LIGHTING PLAN.dwg

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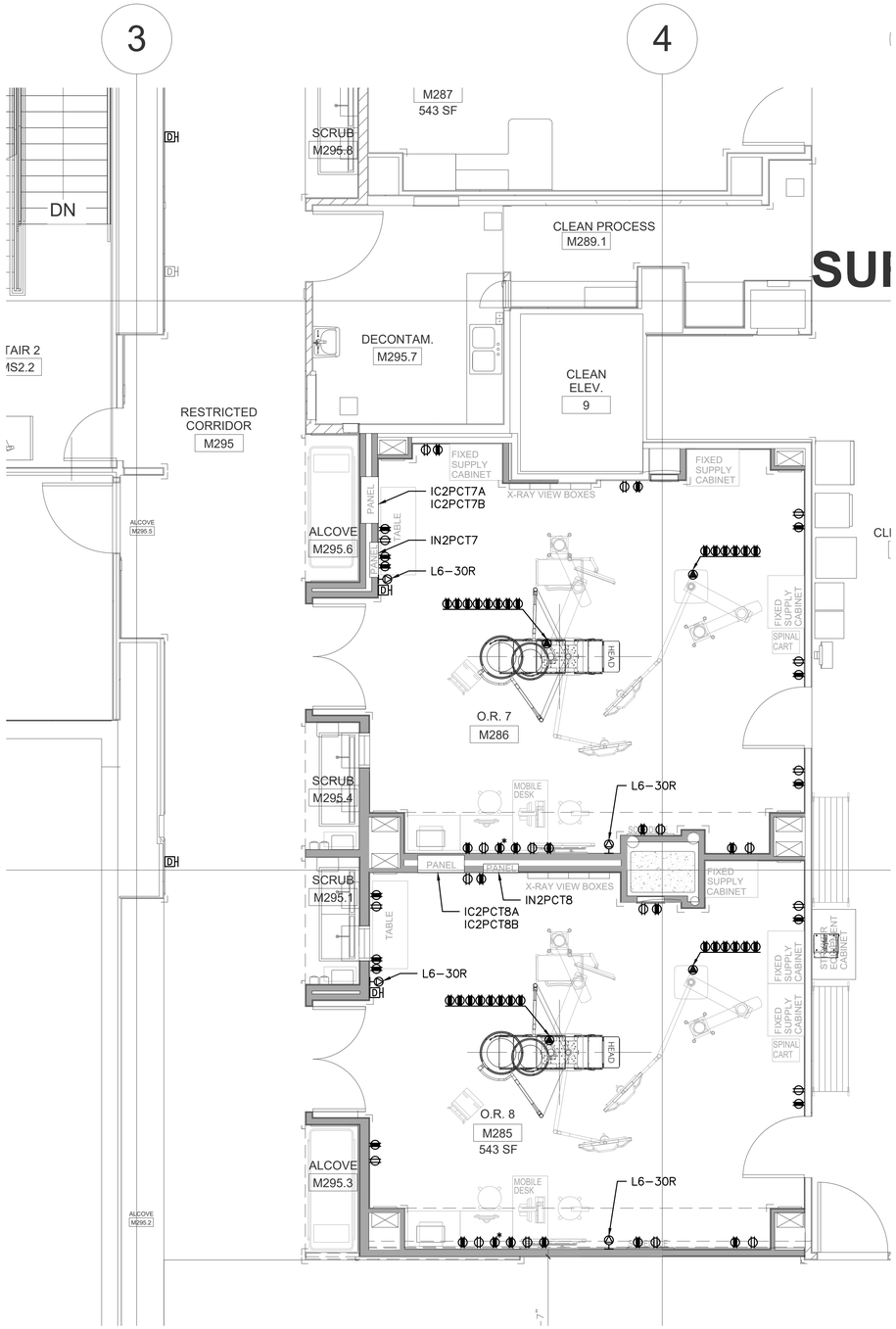
Building	Planning
Engineering	Public Works
Fire	Traffic



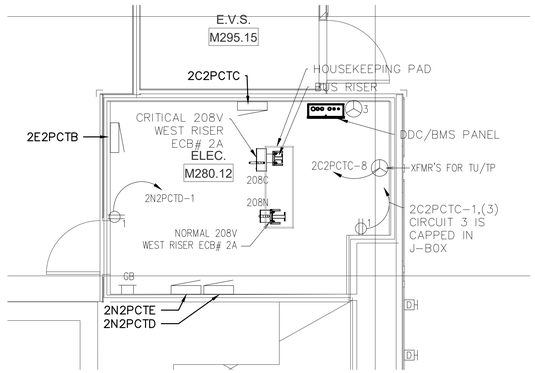
NORTH

OR 7 & 8

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

0' 1' 2' 4' 8'

SCALE 1/4" = 1'-0"



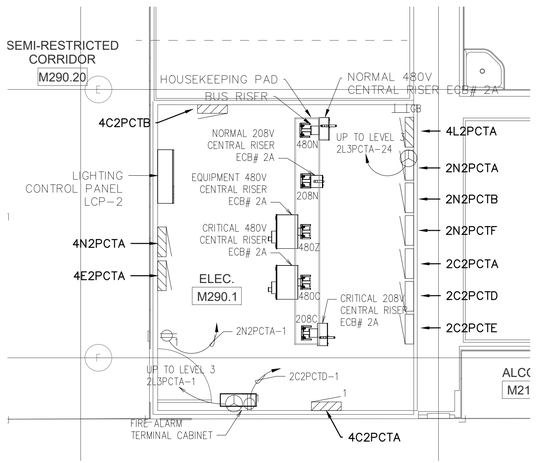
NORTH

ELECTRICAL ROOM - WEST

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

0' 1' 2' 4' 8'

SCALE 1/4" = 1'-0"



NORTH

ELECTRICAL ROOM - CENTER

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

0' 1' 2' 4' 8'

SCALE 1/4" = 1'-0"

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THOMAS URQUHART
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MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

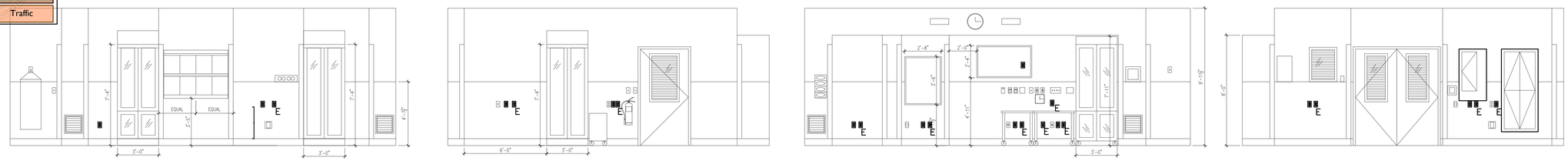
SHEET TITLE:

POWER PLAN

SHEET #:

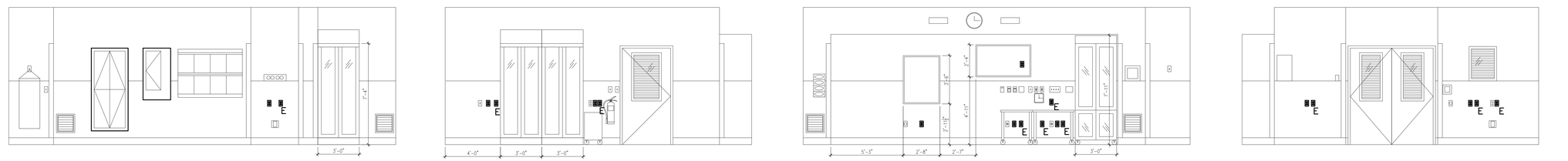
E3.01

PLOTTED: Apr 02, 2021 – 11:55am PLOTTED BY: NeilM
DWG PATH: I:\2021 jobs\21-026\Acad\Elec\21-026 E301 POWER PLAN.dwg



OR-7 (M286) NORTH EAST SOUTH WEST

1/4" = 1'-0"



OR-8 (M285) NORTH EAST SOUTH WEST

1/4" = 1'-0"

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MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
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PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:

POWER PLAN - ELEVATIONS

SHEET #:

E3.02

PLOTTED: Apr 02, 2021 - 11:55am PLOTTED BY: NeilM
DWG PATH: L:\2021 jobs\21-026\Revit\Exc\21-026 E301 POWER PLAN.dwg

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

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:

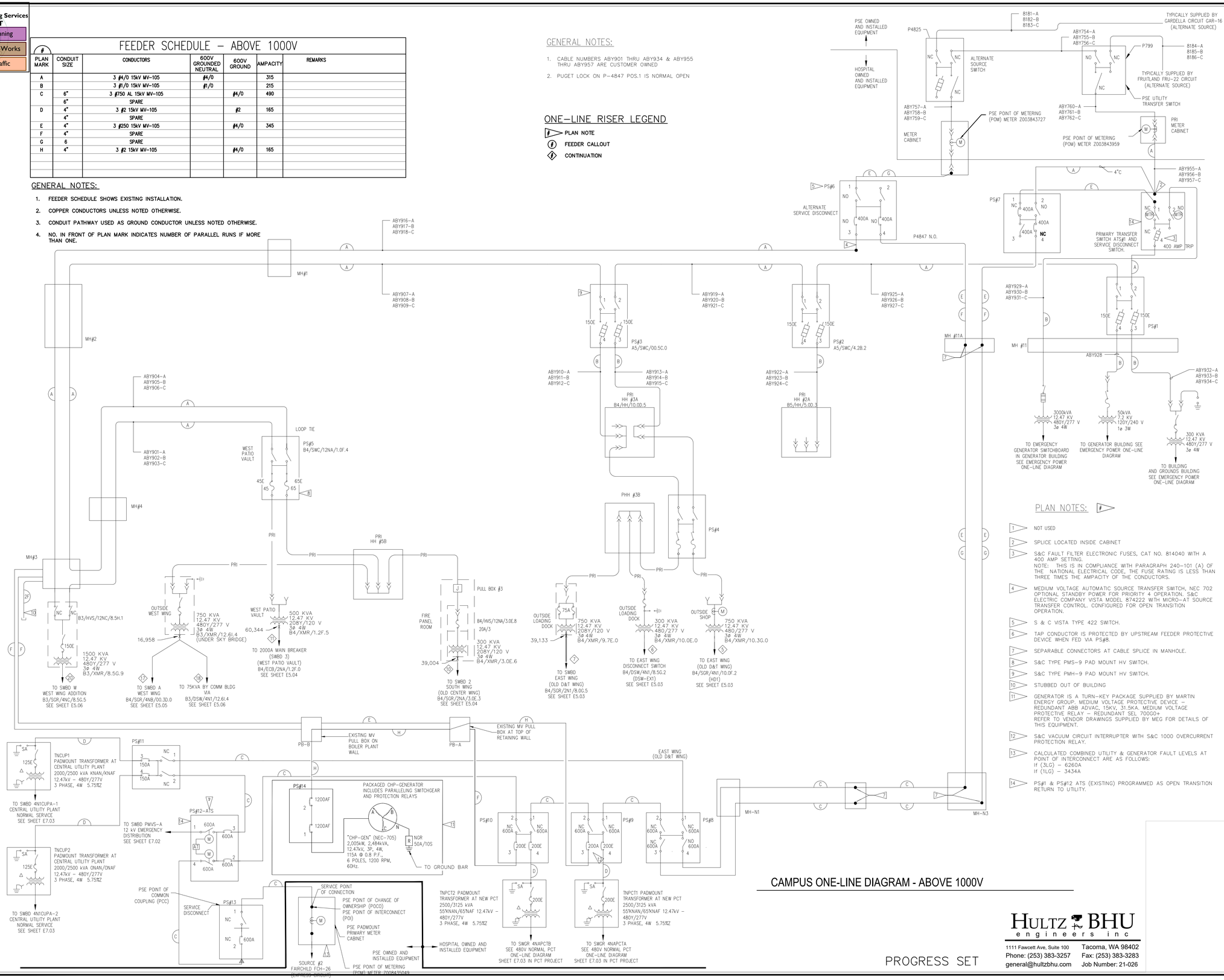
1. FEEDER SCHEDULE SHOWS EXISTING INSTALLATION.
2. COPPER CONDUCTORS UNLESS NOTED OTHERWISE.
3. CONDUIT PATHWAY USED AS GROUND CONDUCTOR UNLESS NOTED OTHERWISE.
4. NO. IN FRONT OF PLAN MARK INDICATES NUMBER OF PARALLEL RUNS IF MORE THAN ONE.

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



CAMPUS ONE-LINE DIAGRAM - ABOVE 1000V

PLAN NOTES:

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 700GG+ 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.

PROGRESS SET

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THOMAS URQUHART STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER
SIGNED
02 APRIL 2021

OWNER:
MultiCare Tacoma General Hospital

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

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

SHEET TITLE:
CAMPUS ONE-LINE DIAGRAM - ABOVE 1000V

SHEET #:
E5.00

PLOTTED: Apr 02, 2021 - 11:55am PLOTTED BY: NoahM
DWG PATH: L:\2021 jobs\21-028\Acad\Elec\21-028 E700 ONE-LINE RISER DIAGRAMS.dwg

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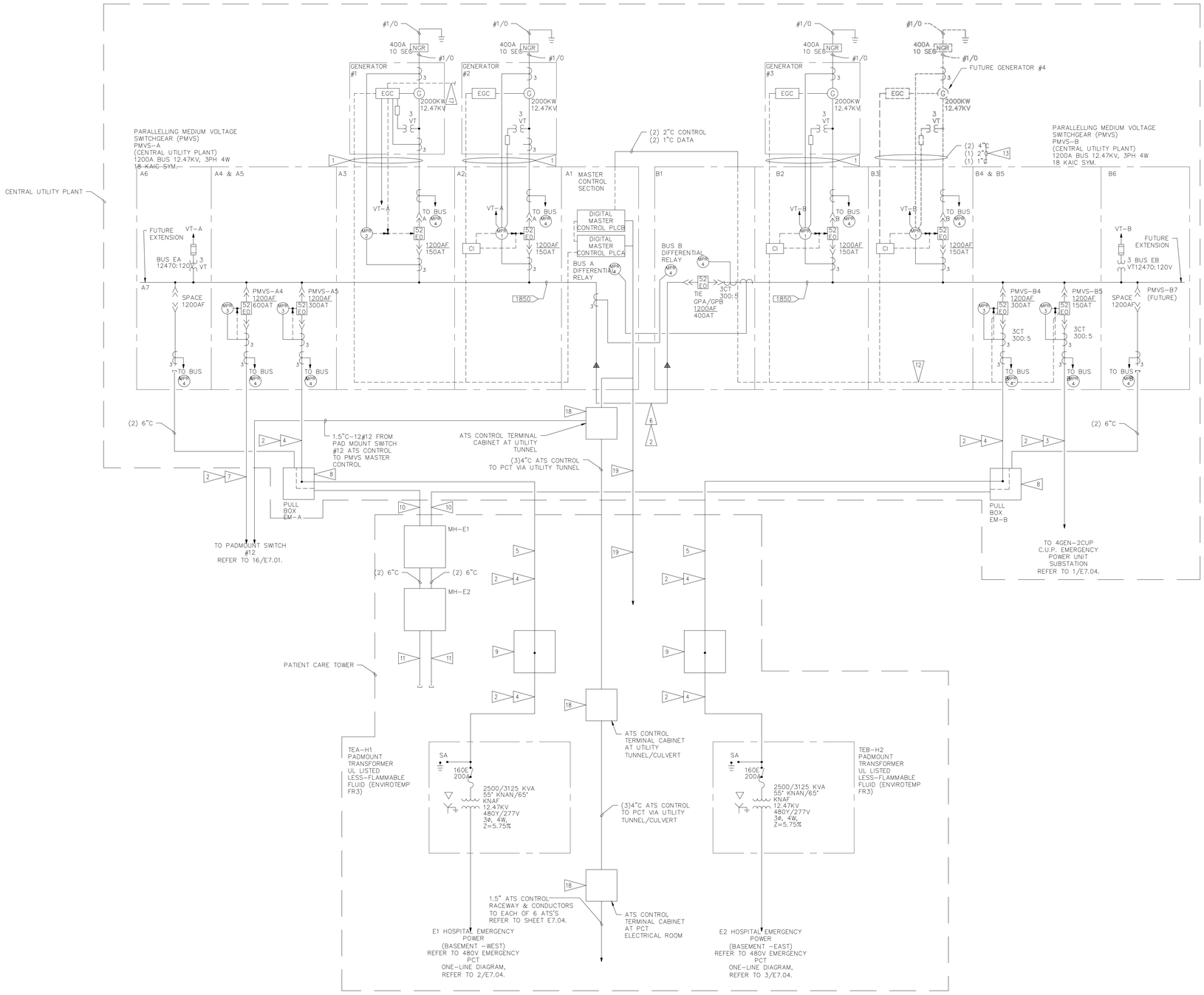
Building	Planning
Engineering	Public Works
Fire	Traffic



PLAN NOTES:

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) 6"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 PUM ATS/CONTROLLERS. REFER TO SHEET 4E7.04.

DALLY TOWER - EMERGENCY ONE-LINE DIAGRAM - ABOVE 1000V

PROGRESS SET

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THOMAS URQUHART — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

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MARK	DATE	DESCRIPTION
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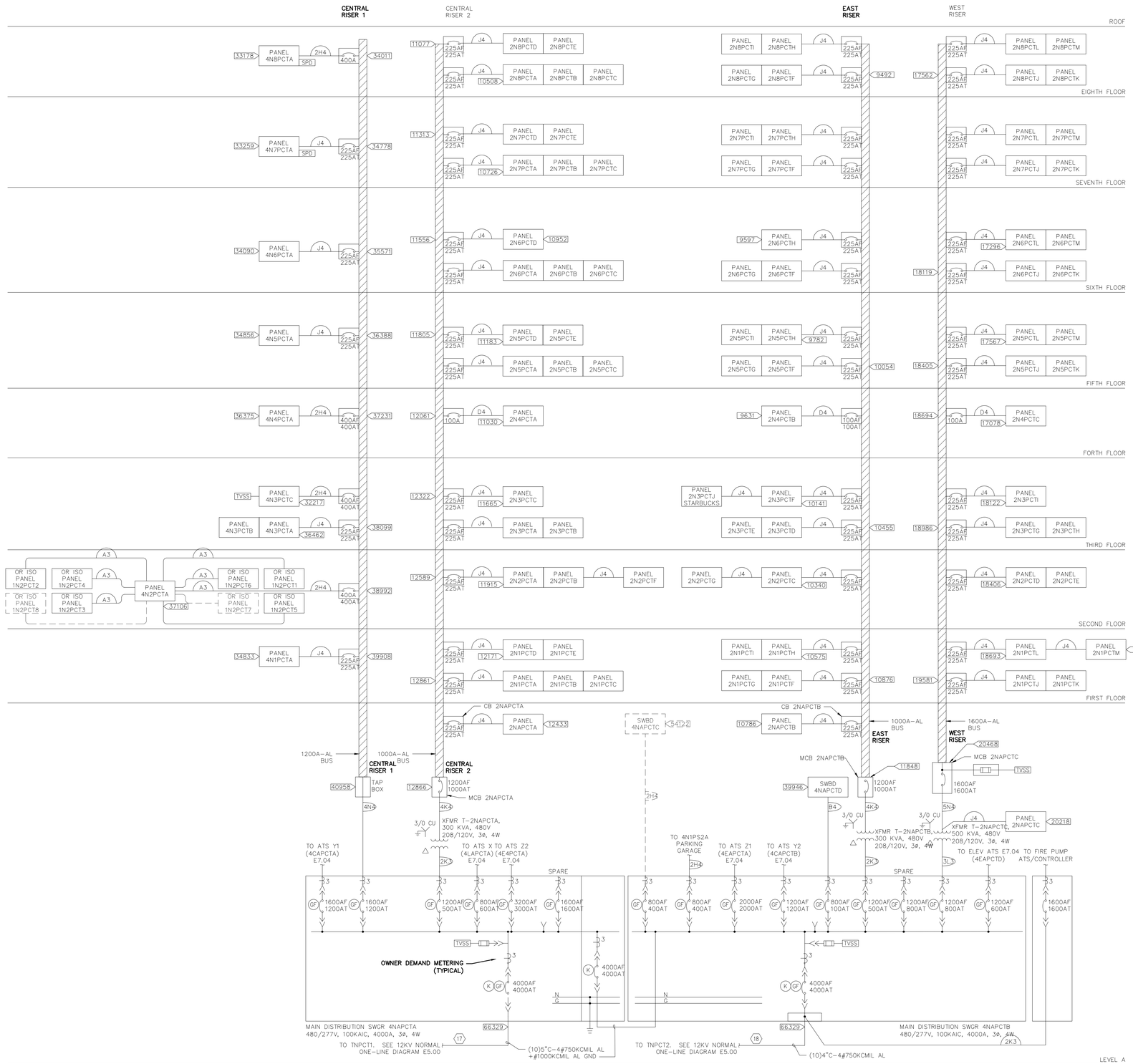
PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

SHEET TITLE:
DALLY TOWER - EMERGENCY ONE-LINE DIAGRAM - ABOVE 1000V

SHEET #:
E7.02

PLOTTED: Apr 02, 2021 - 11:55am PLOTTED BY: NeilM
DWG PATH: L:\2021 Jobs\21-026\Acad\Elec\21-028 E701 ONE-LINE RISER DIAGRAMS.dwg



DALLY TOWER - NORMAL ONE-LINE DIAGRAM - 1000V OR LESS

PROGRESS SET

FEEDER SCHEDULE			
FEEDER NO.	COPPER CONDUCTORS CONDUIT	WIRE	AMPACITY
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

FEEDER SCHEDULE			
FEEDER NO.	ALUMINUM CONDUCTORS CONDUIT	WIRE	AMPACITY
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

PLAN NOTES:

NOT USED

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PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:

DALLY TOWER - NORMAL ONE-LINE DIAGRAM - 1000V OR LESS

SHEET #:

E7.03

PLOTTED: Apr 02, 2021 – 11:55am PLOTTED BY: NeilM
DWG PATH: L:\2021 Jobs\21-026\Acad\Elec\21-028 E701 ONE-LINE RISER DIAGRAMS.dwg

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

CENTRAL RISER X1 | CENTRAL RISER X2 | CENTRAL RISER Z1 | EAST RISER | WEST RISER

ROOF
EIGHTH FLOOR
SEVENTH FLOOR
SIXTH FLOOR
FIFTH FLOOR
FORTH FLOOR
THIRD FLOOR
SECOND FLOOR
FIRST FLOOR

ELEV #4 ELEV #5 ELEV #6 ELEV #7
2"C-3#2/0 +#6G
1.5"C-3#1/0 +#6G
1.5"C-3#1/0 +#6G
PANEL 4ERPCTB 26517

PANEL 2L8PCTA 600A, MLO 5733
PANEL 4L7PCTA 225A, MLO SPD 16634
PANEL 4L6PCTA 225A, MLO 19483
PANEL 2L5PCTA 600A, MLO 6070
PANEL 4L4PCTA 225A, MLO 23429
PANEL 2L3PCTA 600A, MLO 6448
PANEL 4L2PCTA 225A, MLO 29156
PANEL 2L1PCTA 600A, MLO 6871
PANEL 2L1PCTB 600A, MLO
PANEL 4L1APCTB 225A, MLO 37844
7347
800AF 600AT TVSS
MCB 2LAPCTA
XFMR T-2LAPCTA, 150 KVA, 480V
208/120V, 3ø, 4W

SWBD 4E4PCTA 3000A, MLO 51736
SWBD 4E4PCTB 400A, MLO

PANEL 4E8PCTA 2H4 1200AF 400AT 32675
PANEL 4E8PCTB 32445
PANEL 4E7PCTA 2H4 1200AF 400AT
PANEL 4E6PCTA 2H4 33790 1200AF 400AT
PANEL 4E5PCTA 2H4 34819 1200AF 400AT
SAHU-5/6W VFD 300AF 250AT
SAHU-3W VFD 300AF 175AT
SAHU-3E VFD 300AF 175AT
TVSS PANEL 4E3PCTA 3L4 37515 1200AF 800AT
PANEL 4E3PCTB 3L4 1200AF 800AT
PANEL 4E2PCTA 2H4 38191 1200AF 400AT
SEE SHEET 6E8.14 FOR FEEDER SIZE
CT ROOM M180.1 1200AF 300AT
TVSS PANEL 4E1PCTA 2H4 39414 1200AF 400AT

PANEL 2E8PCTA
PANEL 2E8PCTB
(E) 3.5" CONDUIT SLEEVE (TYP.)
PANEL 2E7PCTA
PANEL 2E7PCTB
PANEL 2E6PCTA
PANEL 2E6PCTB
PANEL 2E5PCTA
PANEL 2E5PCTB
PANEL 2E4PCTA 4776
PANEL 2E4PCTC 5713
PANEL 2E3PCTA 5744
PANEL 2E3PCTB 4903
PANEL 2E2PCTA 5900
PANEL 2E2PCTB 5099
PANEL 2E1PCTA 6065
PANEL 2E1PCTC 5309

ELEV #1 ELEV #2 ELEV #3
PANEL 4E1PCTB 36474

PANEL 4EAPCTC
PANEL 4EAPCTB 50691
1000A BUS
CENTRAL RISER Z1
TAB BOX

EAST RISER
PANEL 2EAPCTA 6237
CB 2EAPCTA 800AF 350AT
XFMR T-2EAPCTA, 112.5 KVA, 480V 208/120V, 3ø, 4W

WEST RISER
PANEL 2EAPCTB 5533
CB 2EAPCTB 800AF 350AT
XFMR T-2EAPCTB, 112.5 KVA, 480V 208/120V, 3ø, 4W

EAST RISER
5593 TVSS
CB 2EAPCTC 800AF 350AT
XFMR T-2EAPCTC, 112.5 KVA, 480V 208/120V, 3ø, 4W

WEST RISER
6537 TVSS
CB 2EAPCTD 800AF 350AT
XFMR T-2EAPCTD, 112.5 KVA, 480V 208/120V, 3ø, 4W

ELEV #8 ELEV #9
ST 125A
ST 110A

CENTRAL RISER X1
SPACE SPACE SPACE SPACE
1200AF 225AT
1200AF 225AT
1200AF 225AT
LIFE SAFETY SWBD 4LAPCTA 1200A, 65KAIC, 480/277V, 3ø, 4W 50236
TO CRITICAL DISTRIBUTION SWITCHBOARD 4CAPCTA E7.05
TO MAIN DISTRIBUTION SWITCHBOARD 4NAPCTA E7.03
ATS-Y1 1200A/4P 28384
ATS-X 600A/4P 52149
TO MAIN DISTRIBUTION SWITCHBOARD 4NAPCTA E7.03
ATS-Z2 3000A/4P 61145
TO MAIN DISTRIBUTION SWITCHBOARD 4NAPCTA E7.03
1600AF 1200AT
1200AF 600AT
1600AF SPARE
3200AF 3000AT
1600AF SPARE
1600AF SPACE
OWNER DEMAND METERING (TYPICAL)
4000AF 4000AT
(10)4"C-4#750KCMIL AL
TO TEA-H1 TRANSFORMER. SEE 12KV EMERGENCY ONE-LINE DIAGRAM SHEET E7.02
29564
EMERGENCY 480/277V, DISTRIBUTION SWITCHGEAR E1 4000A, 65KAIC, 3ø, 4W

FP-2 FIRE PUMP 125HP
FP-2 FIRE PUMP 75HP
2"C-6#2/0 CU +#2/0 CU G
1.5"C-6#2 CU +#2 CU G
1"C-9#12 TO PMVS IN CUP FOR FIRE PUMP ATS CONTROL
1"C-9#12 TO PMVS IN CUP FOR FIRE PUMP ATS CONTROL
FP-2 CONTROLLER/ATS 33051
FP-1 CONTROLLER/ATS 36785
EMERGENCY TAP BOX 24307
NORMAL TAP BOX 40444
TO FIRE PUMP SERVICE DISCONNECT E7.03
(6)4"C-4#600KCMIL AL +#600KCML G

TO MAIN DISTRIBUTION SWITCHBOARD 4CAPCTB E7.03
ATS-Y2 1200A/4P 56872
TO MAIN DISTRIBUTION SWITCHBOARD 4NAPCTB E7.03
ATS-Z1 2000A/4P 54492
TO MAIN DISTRIBUTION SWITCHBOARD 4NAPCTB E7.03
1600AF 1600AT
1600AF 1200AT
1600AF 2000AF SPACE SPACE
2000AF 2000AT
1600AF SPARE
EMERGENCY 480/277V, DISTRIBUTION SWITCHGEAR E2 4000A, 65KAIC, 3ø, 4W

51848 EQUIPMENT DISTRIBUTION SWBD 4EAPCTA 2000A, 65KAIC, 480/277V, 3ø, 4W
SPARE 800AF 800AT
800AF 800AT
1600AF 1000AT
1200AF 800AT
800AF 175AT
800AF 175AT
800AF 175AT
ELEVATOR ATS 600A/4P 53758
TO 4L1PS2A PARKING GARAGE
TO MAIN DISTRIBUTION SWITCHBOARD 4NAPCTB E7.03
1200AF 400AT
1600AF SPARE
1600AF SPACE
1600AF 600AT
OWNER DEMAND METERING (TYPICAL)
4000AF 4000AT
TO TEB-H2 TRANSFORMER. SEE 12KV EMERGENCY ONE-LINE DIAGRAM SHEET E7.02
29564
(10)4"C-4#750KCMIL AL
LEVEL A

1200AF 400AT
800AF 150AT
1200AF 125AT
800AF 100AT
ELEVATOR SWBD 4EAPCTD 600A, 65KAIC, 480/277V, 3ø, 4W 51751

GENERAL NOTES:

REFER TO SHEET E7.03 FOR FEEDER SCHEDULES.

PLAN NOTES:

NOT USED

DALLY TOWER - EMERGENCY ONE-LINE DIAGRAM - 1000V OR LESS

PROGRESS SET

HULTZ BHU engineers inc
1111 Fawcett Ave, Suite 100 Tacoma, WA 98402
Phone: (253) 383-3257 Fax: (253) 383-3283
general@hultzbhu.com Job Number: 21-026

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

THOMAS URQUHART STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER
SIGNED
02 APRIL 2021

OWNER:
MultiCare Tacoma General Hospital

PROJECT NAME:
OR 7&8 Buildout
Good Samaritan Hospital
401 15th Ave SE
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232
DRAWN BY:
DATE: 2 APRIL 2021

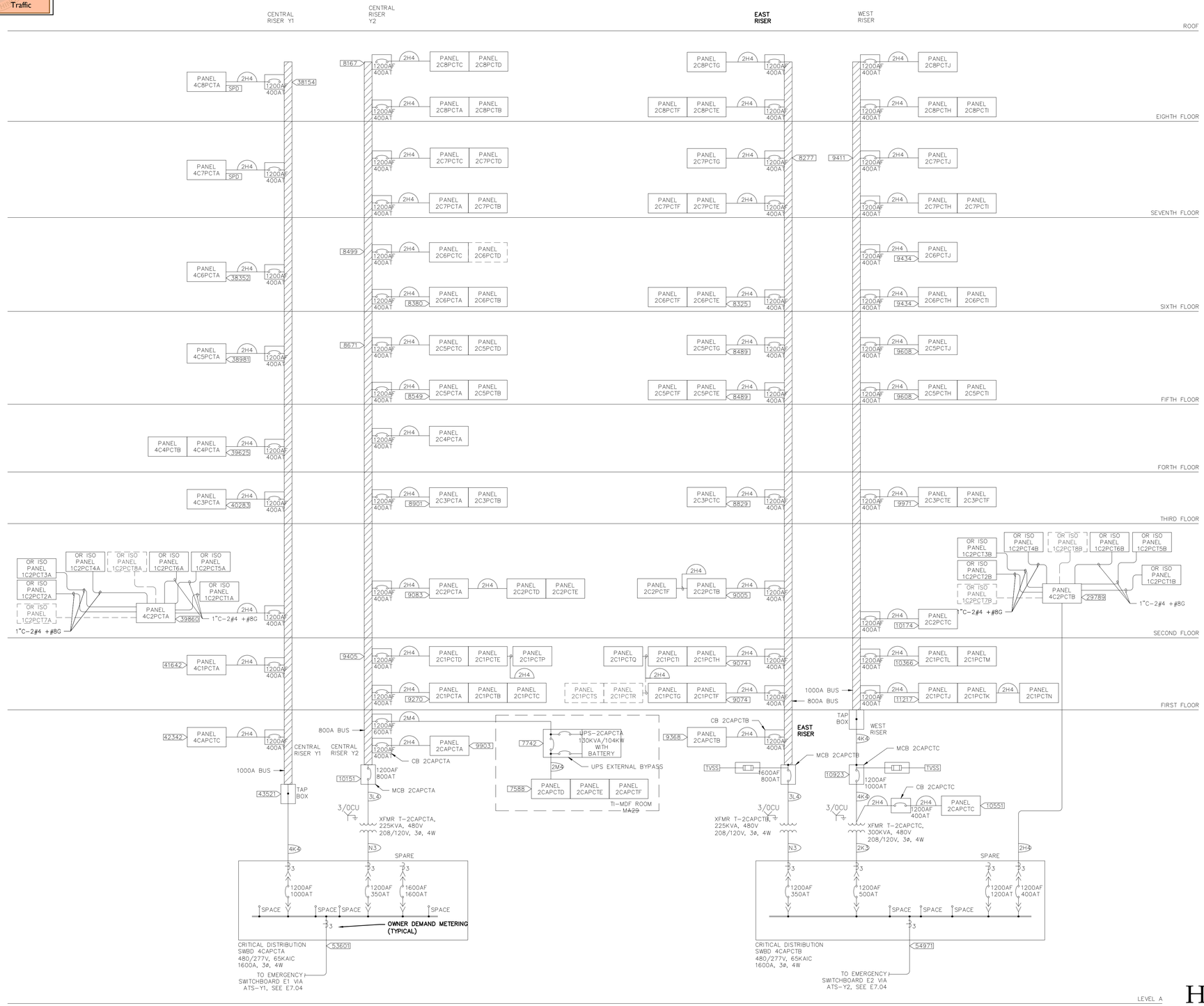
SHEET TITLE:
DALLY TOWER - EMERGENCY ONE-LINE DIAGRAM - 1000V OR LESS

SHEET #:
E7.04

PLOTTED: Apr 02, 2021 - 11:55am PLOTTED BY: NeilM
DWG PATH: I:\2021 jobs\21-026\Acad\Elec\21-026 E701 ONE-LINE RISER DIAGRAMS.dwg

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



GENERAL NOTES:

REFER TO SHEET E7.03 FOR FEEDER SCHEDULES.

PLAN NOTES:

NOT USED

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

THOMAS URQUHART — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

SIGNED
02 APRIL 2021

OWNER:

MultiCare Tacoma General Hospital

PROJECT NAME:

OR 7&8 Buildout

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

MARK	DATE	DESCRIPTION
	3/19/2021	DESIGN DEVELOPMENT
	4/2/2021	PERMIT SET

PROJECT NO. 31232

DRAWN BY:

DATE: 2 APRIL 2021

SHEET TITLE:

DALLY TOWER - CRITICALY ONE-LINE DIAGRAM - 1000V OR LESS

SHEET #:

E7.05

DALLY TOWER - CRITICALY ONE-LINE DIAGRAM - 1000V OR LESS
REVISED

PROGRESS SET

HULTZ BHU engineers inc
1111 Fawcett Ave, Suite 100 Tacoma, WA 98402
Phone: (253) 383-3257 Fax: (253) 383-3283
general@hultzbhu.com Job Number: 21-026

PLOTTED: Apr 02, 2021 - 11:55am PLOTTED BY: NeilM
DWG PATH: I:\2021 jobs\21-026\Docs\Elec\21-028 E701 ONE-LINE RISER DIAGRAMS.dwg

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

GOOD

SAMARITAN HOSPITAL

OR'S #7,8

-

1421 3RD ST SE
PUYALLUP, WA 98372
DATE: 02MAR21

DIRECTORY

SALES REP: NATE BAKER 425.478.4290
NATHAN.BAKER@STRYKER.COM

PROJECT MANAGER: DAN MITCHELL 214.422.2216
DAN.MITCHELL@STRYKER.COM

ENGINEER: DALE HARDEE 843-727-5389
DALE.HARDEE@STRYKER.COM

TABLE OF CONTENTS

ENGINEERING APPROVAL

AUTHORIZED SIGNATURE:

DRAWING#: WA-1386840_3

APPROVED REVISION: 3

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FLOWER MOUND, TX 75028
PHONE: (877) 789-8106
WWW.STRYKER.COM

stryker

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REP: NATE BAKER
PM: DAN MITCHELL

SHEET:
TITLE

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SUMMARY LIST OF CHANGES

REV	KEY #	DESCRIPTION OF CHANGE	ROOM #
3	1	ADDED NEW BACKGROUND	OR'S 7,8

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REV:	DATE:	DRAFTER	IR
3	02MAR21	EMONTGOMERY	1

DRAWING #: WA-1386840_3
REFERENCE #: DRC388824

REVISION SUMMARY

GOOD SAMARITAN HOSPITAL
OR'S #7,8
PUYALLUP, WA 98372

REP: NATE BAKER
PM: DAN MITCHELL

SHEET:
C-1

PRELIMINARY

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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

NOTES: (UNLESS OTHERWISE SPECIFIED)

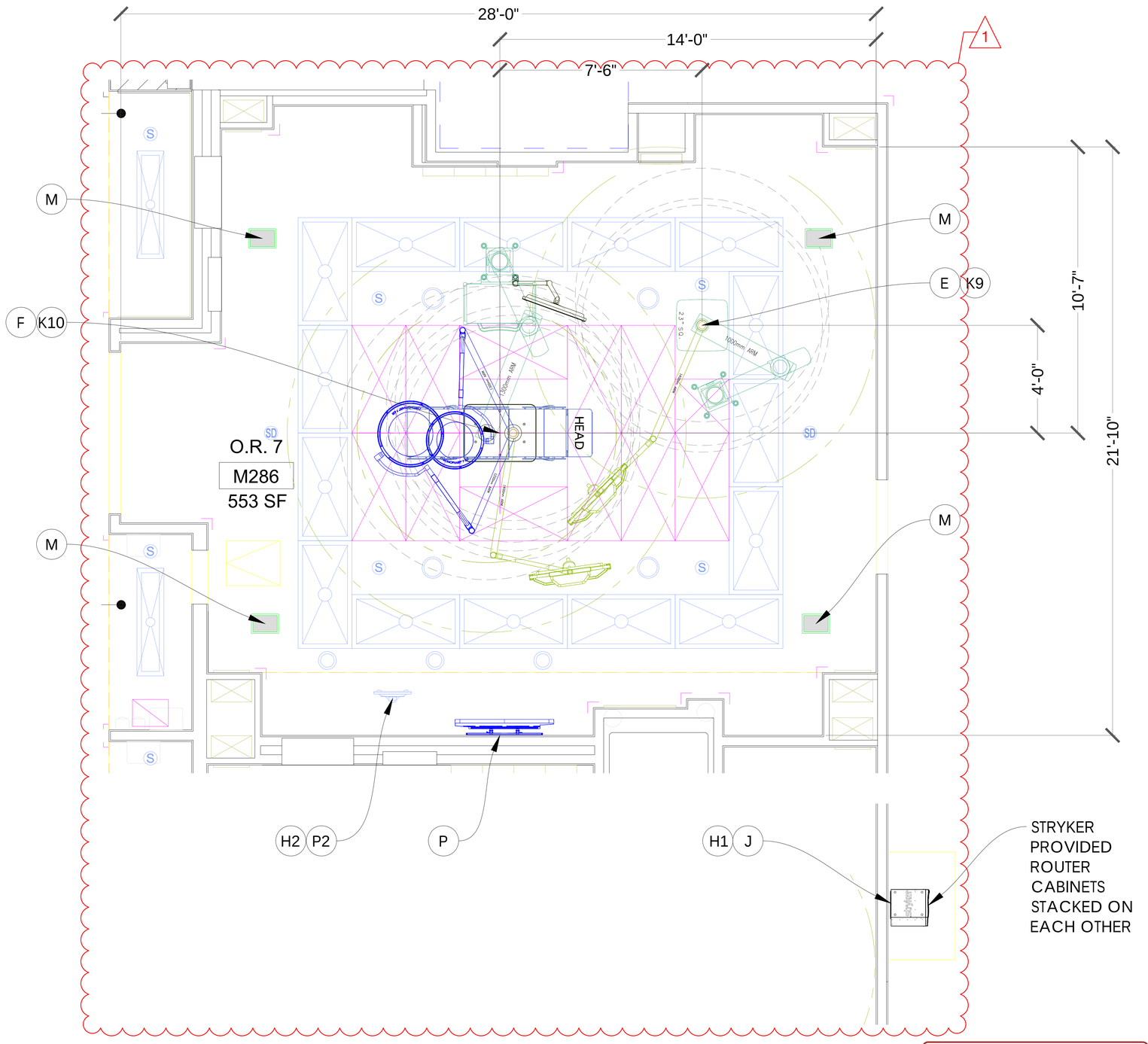
EQUIPMENT SCHEDULE

KEY ITEM	NAME	QTY
E	S-SERIES SPS-2-C ANESTHESIA BOOM 1000mm TOP ARM 1400mm UDM ARM	1
F	TANDEM TOP S-SERIES SPS-3-T EQUIPMENT BOOM 1300mm TOP ARM BOTTOM UDM/F528/F628 1400mm, 1300mm & 1200mm ARMS	1
H1	CUSTOM CABINET (MOUNTED 6' OFF FLOOR)	1
H2	NURSE DESK	1
J	SWITCHPOINT INFINITY 3	1
K	CHROMOPHARE SK BOX	1
K9	TC UDM JUNCTION BOX	1
K10	UDM JUNCTION BOX	1
L	CHROMOPHARE ® SURGICAL LIGHT WALL CONTROL PANEL (RECESSED MOUNT) (LOCATION TBD)	1
M	FLUSH RECTANGULAR CEILING SPEAKER	4
P	55" WALL MONITOR	1
P2	CONNECTED OR TOUCHPANEL	1

CONDUIT SCHEDULE

CONDUIT RUN ITEM - ITEM	CONDUIT QTY	CONDUIT SIZE
E - J	1	2"
E - J	1	1 1/4"
F - J	2	2"
F - J	2	1 1/4"
K - L	1	1"
K - *	1	1"
K10 - K	2	1"
M - J	1	1 1/4"
P - J	1	1 1/4"
P2 - J	1	1 1/4"

* - TERMINATE AT CLOSEST ELECTRICAL PANEL



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

AUTOCAD DRAWING TEMPLATE | TEM100XX | REV. A

PLOT STAMP:MONTGOMERY, ERIC | DATE: 3/2/2021 10:47 AM

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REV:	DATE:	DRAWING #: WA-1386840_3	DRAFTER	IR
3	02MAR21	REFERENCE #: DRC388824	EMONTGOMERY	1

EQUIPMENT LAYOUT

OR 7

GOOD SAMARITAN HOSPITAL
OR'S #7,8
PUYALLUP, WA 98372

REP: NATE BAKER
PM: DAN MITCHELL

SHEET:
R - OR 7

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

NOTES: (UNLESS OTHERWISE SPECIFIED)

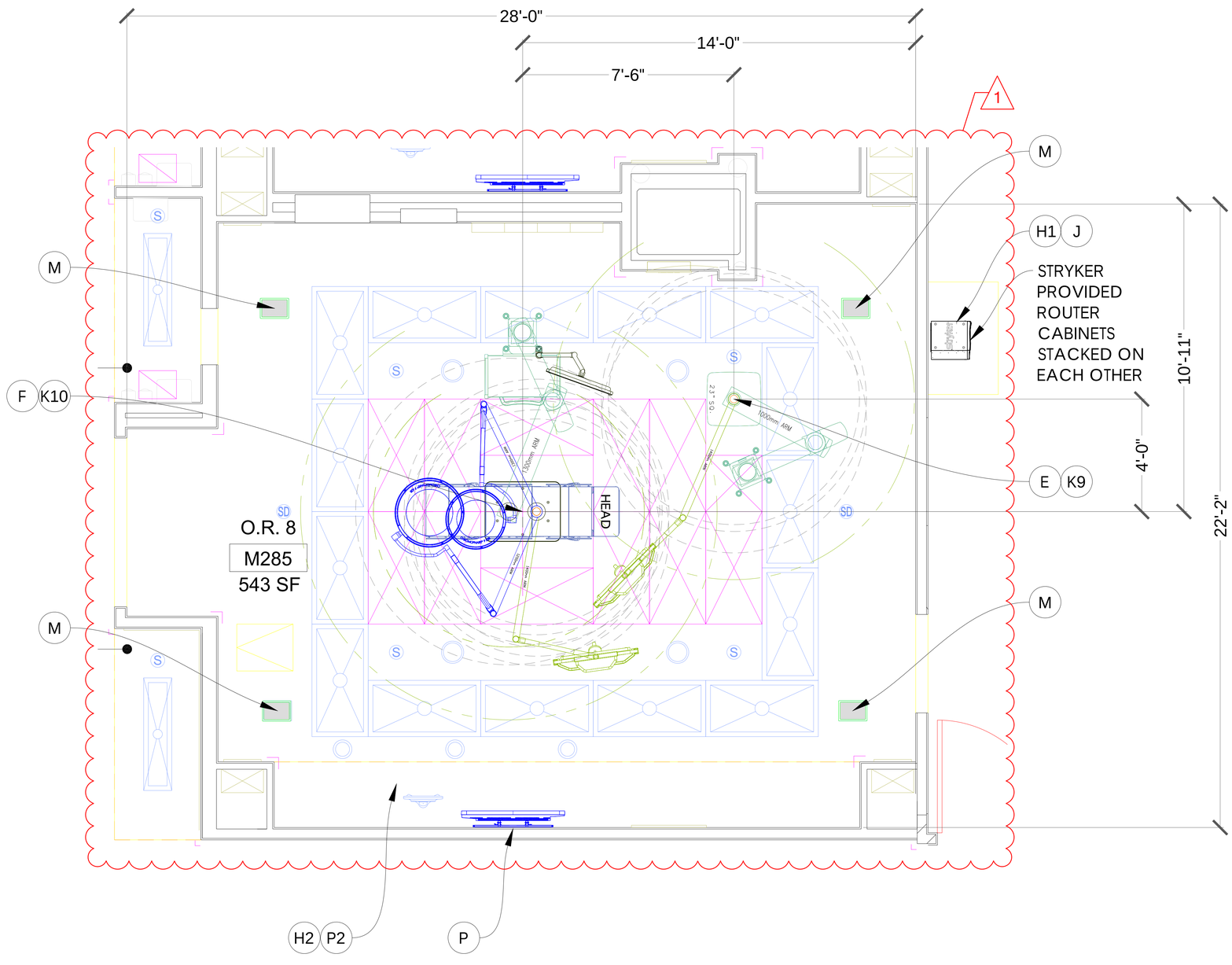
EQUIPMENT SCHEDULE

KEY ITEM	NAME	QTY
E	S-SERIES SPS-2-C ANESTHESIA BOOM 1000mm TOP ARM 1400mm UDM ARM	1
F	TANDEM TOP S-SERIES SPS-3-T EQUIPMENT BOOM 1300mm TOP ARM BOTTOM UDM/F528/F628 1400mm, 1300mm & 1200mm ARMS	1
H1	CUSTOM CABINET (MOUNTED 6' OFF FLOOR)	1
H2	NURSE DESK	1
J	SWITCHPOINT INFINITY 3	1
K	CHROMOPHARE SK BOX	1
K9	TC UDM JUNCTION BOX	1
K10	UDM JUNCTION BOX	1
L	CHROMOPHARE ® SURGICAL LIGHT WALL CONTROL PANEL (RECESSED MOUNT) (LOCATION TBD)	1
M	FLUSH RECTANGULAR CEILING SPEAKER	4
P	55" WALL MONITOR	1
P2	CONNECTED OR TOUCHPANEL	1

CONDUIT SCHEDULE

CONDUIT RUN ITEM - ITEM	CONDUIT QTY	CONDUIT SIZE
E - J	1	2"
E - J	1	1 1/4"
F - J	2	2"
F - J	2	1 1/4"
K - L	1	1"
K - *	1	1"
K10 - K	2	1"
M - J	1	1 1/4"
P - J	1	1 1/4"
P2 - J	1	1 1/4"

* - TERMINATE AT CLOSEST ELECTRICAL PANEL



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

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REV:	DATE:	DRAWING #: WA-1386840_3	DRAFTER
3	02MAR21	REFERENCE #: DRC388824	EMONTGOMERY
2			IR
1			

EQUIPMENT LAYOUT

OR 8

GOOD SAMARITAN HOSPITAL
OR'S #7,8
PUYALLUP, WA 98372

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REP: NATE BAKER
PM: DAN MITCHELL

SHEET:
R - OR 8

AUTOCAD DRAWING TEMPLATE | TEM100XX | REV. A

PLOT STAMP:MONTGOMERY, ERIC | DATE: 3/2/2021 10:47 AM

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL CONDUIT RUNS INCLUDE INSULATED BUSHINGS AND PULL STRINGS.
2. CONDUIT RUNS CANNOT EXCEED 45' FROM END-TO-END. DO NOT EXCEED FOUR (4) 90 DEGREE BENDS.
3. CABLES BETWEEN ITEMS OVER 45 FEET IN LENGTH ARE PROVIDED BY THE CUSTOMER / CONTRACTOR. PLEASE REFER TO EQUIPMENT LIST FOR CABLE SPECIFICATIONS.
4. THE PRE-INSTALL MANUAL REQUIREMENTS SUPERSEDE ALL PRE-INSTALL NOTES IN THIS DRAWING PACKAGE.
5. EQUIPMENT LIST:

PRE-INSTALL NOTES SCHEDULE

KEY ITEM	NAME
E	**S-SERIES TC BOOM WITH UDM** STRUCTURAL: STRYKER COMMON PRE-INSTALL PLATE SHALL BE INSTALLED BY CUSTOMER/CONTRACTOR AT 3-INCH, ± .25-INCH ABOVE FINISHED CEILING PER CUSTOMER PROVIDED STRUCTURAL ENGINEER SPECS. - TO ENSURE ADEQUATE ROOM FOR INSTALLATION OF THE S-SERIES BOOM THE OWNER AND/OR CONTRACTOR MUST ENSURE THAT STRUCTURAL/UTILITY COMPONENTS DO NOT INTERFERE WITH ANY PART OF THE S-SERIES BOOM. THIS “NO-FLY” ZONE EXTENDS 12-INCHES FROM THE MOUNTING PLATE ON ALL SIDES, AND 16-INCHES UP FROM THE FINISHED CEILING. - REQUIRED: A 21-INCH SQUARE HOLE CENTERED ON STRYKER PRE-INSTALL PLATE IN THE FINISHED CEILING IS REQUIRED FOR INSTALLATION. A 23-INCH SQUARE CEILING COVER CONCEALS HOLE AFTER BOOM IS INSTALLED POWER: REFER TO S-SERIES MANUFACTURING SERVICE MODULE DRAWING FOR ELECTRICAL CIRCUIT COUNT. - THE CONTRACTOR / ELECTRICIAN TO HARDWIRE STRYKER ELECTRICAL WHIP DURING STRYKER INSTALLATION. - ALL ELECTRICAL CIRCUITS SHALL BE CONNECTED TO S-SERIES JUNCTION BOX OR BOXES. - TWO SEPARATE JUNCTION BOXES: A TC JUNCTION BOX AND UDM JUNCTION BOX (BOTH SUPPLIED BY STRYKER AND MEASURE 10-INCH HEIGHT X 8-INCH WIDTH X 4-INCH DEPTH) MUST BE MOUNTED WITHIN 18-INCHES OF BOOM MOUNT AND ACCESSIBLE FROM THE ACCESS PANEL. THESE ARE MOUNTED BY AN ELECTRICIAN AND IS REQURIED FOR POWER AND CABLING. -IF UDM MONITOR IS POWERED VIA AC POWER, CONTRACTOR TO PROVIDE AN AC CIRCUIT TO THE AC TERMINAL BLOCK IN THE TC JUNCTION BOX. - THE S-SERIES JUNCTION BOX (7.4” x 3.5” x 3.74”) ARRIVES ATTACHED TO THE S-SERIES BOOM FLANGE BY A GROUND WIRE. THE JUNCTION BOX MUST BE MOUNTED ADJACENT TO THE MED GAS LINES BY THE CUSTOMER/CONTRACTOR ACCORDING TO NATIONAL AND LOCAL BUILDING CODES. REQUIRED ACCESS PANEL: ONE (1) 24-INCH X 24-INCH ACCESS PANEL ADJACENT TO BOOM, SO JUNCTION BOX(ES), UDM JB AND MED GAS LINES CAN BE EASILY ACCESSED. CONDUIT: REFER TO ROOM LAYOUT FOR CONDUIT SIZE. TERMINATE ALL CONDUITS WITHIN 18-INCHES OF THE CENTER OF THE CEILING MOUNT. PLUMBING: INSTALL VALVE BRIDGE TO TOP OF PRE-INSTALL PLATE. ALL GAS LINES MUST BE TERMINATED WITH STRYKER SUPPLIED GAS RISERS BY CUSTOMER/MEDGAS INSTALLER. - ALL FINAL DISS CONNECTIONS TO BE MADE BY CUSTOMER/MEDGAS INSTALLER AFTER STRYKER INSTALLATION.

PRE-INSTALL NOTES SCHEDULE

KEY ITEM	NAME
F	**TANDEM S-SERIES BOOM WITH UDM/LIGHT/LIGHT** STRUCTURAL: STRYKER TANDEM COMMON PRE-INSTALL PLATE SHALL BE INSTALLED BY CUSTOMER/CONTRACTOR AT 3-INCH, ± .25-INCH ABOVE FINISHED CEILING PER CUSTOMER PROVIDED STRUCTURAL ENGINEER SPECS. - TO ENSURE ADEQUATE ROOM FOR INSTALLATION OF THE S-SERIES BOOM THE OWNER AND/OR CONTRACTOR MUST ENSURE THAT STRUCTURAL/UTILITY COMPONENTS DO NOT INTERFERE WITH ANY PART OF THE S-SERIES BOOM. THIS “NO-FLY” ZONE EXTENDS 12-INCHES FROM THE MOUNTING PLATE ON ALL SIDES, AND 16-INCHES UP FROM THE FINISHED CEILING. - REQUIRED: A 23-INCH x 27-INCH RECTANGLER HOLE CENTERED ON THE STRYKER PRE-INSTALL PLATE IN THE FINISHED CEILING IS REQUIRED FOR INSTALLATION. A 25-INCH X 32-INCH RECTANGLE CEILING COVER CONCEALS HOLE AFTER BOOM IS INSTALLED POWER: REFER TO S-SERIES MANUFACTURING SERVICE MODULE DRAWING FOR ELECTRICAL CIRCUIT COUNT. - THE CONTRACTOR / ELECTRICIAN TO HARDWIRE STRYKER ELECTRICAL WHIP DURING STRYKER INSTALLATION. - ALL ELECTRICAL CIRCUITS SHALL BE CONNECTED TO S-SERIES JUNCTION BOX OR BOXES. - A SEPARATE UDM JUNCTION BOX (SUPPLIED BY STRYKER AND MEASURES 10-INCH HEIGHT X 8-INCH WIDTH X 4-INCH DEPTH) MUST BE MOUNTED WITHIN 18-INCHES OF BOOM MOUNT.AND ACCESSIBLE FROM THE ACCESS PANEL. THIS IS MOUNTED BY AN ELECTRICIAN AND IS REQURIED FOR MONITOR POWER. -IF UDM MONITOR IS POWERED VIA AC POWER, CONTRACTOR TO PROVIDE AN AC CIRCUIT TO THE AC TERMINAL BLOCK ON THE FLANGE TUBE. - THE S-SERIES JUNCTION BOX (7.4” x 3.5” x 3.74”) ARRIVES ATTACHED TO THE S-SERIES BOOM FLANGE BY A GROUND WIRE. THE JUNCTION BOX MUST BE MOUNTED ADJACENT TO THE MED GAS LINES BY THE CUSTOMER/CONTRACTOR ACCORDING TO NATIONAL AND LOCAL BUILDING CODES. REQUIRED ACCESS PANEL: ONE (1) 24-INCH X 24-INCH ACCESS PANEL ADJACENT TO BOOM, SO JUNCTION BOXES, TC JUNCTION BOX, UDM JB AND MED GAS LINES CAN BE EASILY ACCESSED. CONDUIT: REFER TO ROOM LAYOUT FOR CONDUIT SIZE. TERMINATE ALL CONDUITS WITHIN 18-INCHES OF THE CENTER OF THE CEILING MOUNT. PLUMBING: INSTALL VALVE BRIDGE TO TOP OF PRE-INSTALL PLATE. ALL GAS LINES MUST BE TERMINATED WITH STRYKER SUPPLIED GAS RISERS BY CUSTOMER/MEDGAS INSTALLER. - ALL FINAL DISS CONNECTIONS TO BE MADE BY CUSTOMER/MEDGAS INSTALLER AFTER STRYKER INSTALLATION.

stryker
571 SILVERON BLVD.
FLOWER MOUND, TEXAS 75028
PHONE: (877) 789-8106
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REV:	DATE:	DRAWING #:	DRAFTER
3	02MAR21	REFERENCE #: DRC388824	EMONTGOMERY

PRE-INSTALL NOTES

GOOD SAMARITAN HOSPITAL
ORS #7.8
PUYALLUP, WA 98372

REP: NATE BAKER
PM: DAN MITCHELL

SHEET:
P - 1

PRELIMINARY
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NOTES: (UNLESS OTHERWISE SPECIFIED)

1. **ALL CONDUIT RUNS INCLUDE INSULATED BUSHINGS AND PULL STRINGS.**
2. **CONDUIT RUNS CANNOT EXCEED 45' FROM END-TO-END. DO NOT EXCEED FOUR (4) 90 DEGREE BENDS.**
3. **CABLES BETWEEN ITEMS OVER 45 FEET IN LENGTH ARE PROVIDED BY THE CUSTOMER / CONTRACTOR. PLEASE REFER TO EQUIPMENT LIST FOR CABLE SPECIFICATIONS.**
4. **THE PRE-INSTALL MANUAL REQUIREMENTS SUPERSEDE ALL PRE-INSTALL NOTES IN THIS DRAWING PACKAGE.**
5. **EQUIPMENT LIST:**

PRE-INSTALL NOTES SCHEDULE

KEY ITEM	NAME
H	**PRINTER** DIMENSIONS: 12.5"W X 8.2"H X 16.7"D DATA: NONE BACKBOX: NONE **HUB** DIMENSIONS: 13" W × 6" H × 17" D TOTAL SPACE REQUIRED: 21" W x 14" H X 28" D POWER: ONE (1) STANDARD OUTLET WITHIN 18" OF HUB LOCATION. DATA: ONE (1) ETHERNET CONNECTION
J	**SWITHCPOINT INFINITY 3** DIMENSIONS: - MEDIA ROUTER: 20.6""W X 24""H X 17"D - TOTAL SPACE REQUIRED: 27.5"W X 31"H X 29"D POWER: SIXTEEN (16) ELECTRICAL RECEPTACLES AT THE MEDIA ROUTER LOCATION ALL RECEPTACLES REQUIRE CRITICAL POWER ALL ELECTRICAL CIRCUITS SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL BUILDING CODE OR WHAT IS SPECIFIED IN THE IBC. DATA: ONE (1) ETHERNET CONNECTION BACKBOX: ONE (1) 18"W X 18"H X 4"D (OR LARGER) JUNCTION BOX FLUSH MOUNTED. - SET BOTTOM OF BOX 9" ABOVE FINISHED FLOOR. NOTE: TERMINATE ALL INTEGRATION CONDUITS TO THIS JUNCTION BOX.
K	**SK BOX FOR CHROMOPHARE LIGHTING (IN CEILING)** ENCLOSURE DIMENSIONS/MOUNTING: - SINGLE ENCLOSURE 19.69"" X 15.75"" x 7.87"" (1-2 LIGHTHEADS), WEIGHT = 64LBS - DOUBLE ENLCOSURE 19.69"" x 31.5"" X 7.87"" (3-4 LIGHTHEADS), WEIGHT = 128 LBS - MUST REMAIN ACCESSIBLE AFTER INSTALLATION (THROUGH NEARBY ACCESS PANEL). HINGED DOORS MUST HAVE COMPLETE FREEDOM OF MOVEMENT IN CEILING AND MUST NOT EVER BE OBSTRUCTED CONDUIT: - MAXIMUM LENGTH OF 45 FEET (15M) OF CONDUIT RUN TO BOTH THE MOUNTING PLATE AND THE TO WALL CONTROL BOX - TWO (2) 1"" FROM SK ENCLOSURE TO EACH LIGHT MOUNTING LOCATION, - ONE (1) 1"" BETWEEN LIGHT MOUNTING LOCATIONS, - ONE (1) 1"" FOR MAINS 120VAC TO SK ENCLOSURE (UP TO TWO(2)) LIGHTS PER CIRCUIT). POWER: - MAINS AC POWER SHOULD BE 120 VAC, 50/60 HZ CONNECTED WITH 3 WIRE, 12 AWG MIN., 600 V TERMINATED TO FUSED TERMINAL BLOCK INSIDE THE SK ENCLOSURE - DC WIRING FROM SK ENCLOSURE TO MOUNTING PLATE SHOULD BE 12 AWG, 600 VOLT, 1 WIRE PAIR PER LIGHT HEAD AND 1 GROUND WIRE PER MOUNTING PLATE. WIRES TERMINAT AT NON-FUSED TERMINAL BLOCK INSIDE THE SK ENCLOSURE AND FALL A MINIMUM OF 18 INCHES BELOW THE CEILING AT THE MOUNTING PLATE - CONTRACTOR IS RESPONSIBLE FOR RUNNING POWER FROM AN AC MAINS SUPPLY TO THE SK BOX - CONTRACTOR IS RESPONSIBLE FOR RUNNING DC WIRING FROM THE SK ENCLOSURE TO THE SURGICAL LIGHT MOUNTING PLATE - CONTRACTOR IS RESPONSIBLE FOR MAKING BOTH AC AND DC CONNECTIONS IN THE SK ENCLOSURE.

PRE-INSTALL NOTES SCHEDULE

KEY ITEM	NAME
K9	**UDM TC JUNCTION BOX** IS TO BE MOUNTED WITHIN 3FT OF BOOM MOUNT AND ACCESSABLE FROM THE ACCESS PANEL. UPON EQUIPMENT INSTALLTION AN ELECTRONICS MODULE WILL BE INSTALLED BY STRYKER INSTALLATION TEAM AND THE LOW VOLTAGE CAN BE TERMINATED TO THE MODULE PLATE BY THE ELECTRICIAN. UDM: - AC TERMINAL BLOCK IS PROVIDED IN THE TC JUNCTION BOX FOR THE UDM MONITOR. THIS WILL ONLY BE USED IF AC POWER IS USED FOR THE UDM MONITOR. - THIS TC JUNCTION BOX WILL HOUSE TERMINAL BLOCKS FOR SURGICAL LIGHT AND MONITOR POWER.
K10	**UDM JUNCTION BOX** (SUPPLIED BY STRYKER AND MEASURES 10-INCH HEIGHT X 8-INCH WIDTH X 4-INCH DEPTH) MUST BE MOUNTED WITHIN 18-INCHES OF SUSPENSION MOUNT AND ACCESSIBLE FROM THE ACCESS PANEL. THIS IS MOUNTED BY AN ELECTRICIAN AND IS REQURIED FOR MONITOR CABLING.
L	**CHROMOPHARE WALL CONTROL (RECESSED)** CONDUIT: ONE (1) 1" CONDUIT WITH FINISH GROMMETS TO SK ENCLOSURE OR ON TUBE ELECTRONICS. BACK BOX: NONE. WALL CONTROL RECEIVES CONDUIT. POWER: NONE
M	**FLUSH MOUNTED RECTANGULAR CEILING SPEAKER** CONDUIT: - REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE STRUCTURAL: CUSTOMER/CONTRACTOR TO CUT ONE 7 ¼"W X 10 ¾"L (TEMPLATE SUPPLIED W/ SPEAKER) IN THE WALL AT EACH SPEAKER MOUNTING LOCATION. MINIMUM 4" CEILING CLEARANCE.
P	**55" WALL LCD** CONDUIT: REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE BACK BOX: ONE (1) 4"W X 4"H JUNCTION BOX WITH SINGLE-GANG MUD RING - MOUNTED DIRECTLY ABOVE THE TOP OF THE MOUNTING BRACKET. POWER: ONE (1) STANDARD DUPLEX OUTLET MOUNTED ADJACENT TO JUNCTION BOX. STRUCTURAL: CUSTOMER/CONTRACTOR TO MOUNT STRYKER PROVIDED BRACKET TO THE WALL IN THE DESIRED LOCATION WITH PROPER REINFORCEMENT TO SUPPORT THE MONITOR PRIOR TO STRYKER INSTALLATION. DIMENSIONS: 51.9"" x 30.5"" x 4.7"" NOTE: STRYKER PROJECT MANAGER WILL PROVIDE MOUNTING SPECIFICATIONS.
P2	**TOUCHPANEL** CONDUIT: - REFER TO ROOM LAYOUT FOR CONDUIT QUANTITY AND SIZE BACK BOX: ONE (1) 4"W X 4"H JUNCTION BOX WITH SINGLE-GANG MUD RING - MOUNT J-BOX WITHIN 18" OF TOUCH PANEL LOCATION GCX TRACK: CONTRACTOR TO MOUNT 4"" X 7"" (W X H) TRACK VERTICALLY ON THE WALL AT A CUSTOMER SPECIFIED HEIGHT ABOVE FINISHED FLOOR POWER: ONE (1) STANDARD OUTLET WITHIN 18" OF TOUCH PANEL LOCATION.

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PRE-INSTALL NOTES

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PM: DAN MITCHELL

SHEET:
P - 2

PRELIMINARY
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