MultiCare Good Samaritan Hospital Kitchen

04.24.2025
PW PROJECT #162433.000

401 15th Ave SE,
Puyallup,
WA 98372

PHASE 1 CONSTRUCTION DOCUMENTS

FACILITY	OWNER	ARCHITECT	FOOD SERVICE	STRUCTURAL	CIVIL	CONTRACTOR	PLUMBING	MECHANICAL	ELECTRICAL	PROJECT MNGR	Municipality Puyallup
MultiCare Good Samaritan Hospital 401 15th Ave SE, Puyallup, WA 98372 (253) 697-4000 (TEL)	MultiCare Health System 315 Martin Luther King, Jr. Way, Tacoma, WA 98405 (253) 403-1000 (TEL)	Perkins & Will 1301 5th Ave #2300, Seattle, WA 98101 (206) 381-6000 (TEL)	Inman Food Service Group 3807 Charlotte Avenue, Nashville, Tennessee 37209 615-321-5591 (TEL)	PCS 1011 Western Avenue, Suite 810 Seattle WA 98104 206.292.5076 (TEL)	AHBL 1200 6th Ave #1620, Seattle, WA 98101 (206) 267-2425 (TEL)	Sellen Construction 227 Westlake Ave, Seattle, WA 98109 (206) 682-7770 (TEL)	MacDonald Miller 1004 Madison St, Seattle, WA 98104 (206) 763-9400	MacDonald Miller 1004 Madison St, Seattle, WA 98104 (206) 763-9400 (TEL)	EBD SERVICES 14900 Interurban Ave S. #143 Seattle, WA 98168 (206) 413-6095 (TEL)	TURNER & TOWNSEND 920 Fifth Avenue, Seattle, WA, 98104 206 470 9001 (TEL)	Puyallup Puyallup City Hall 333 S. Meridian Puyallup, WA 98371 253-841-4321 (TEL)

City of Puyallup Review For Compliance No. 1
6/12/2025

Please see IBC section 107, including but not limited to:
Phase specific if possible.
Project specifications,
Structural calculations,
107.2.9 related to nonstructural components like the grease interceptors proposed, and similar.
List any deferred or separate submittal required per 107.3.4.1
G00-00

G00.00 Please add a list of separate permit requirements:

Fire Alarm, Automatic Fire Sprinkler, Hood Suppression Systems, and others as needed.

Coordinate with inspectors and use phase plans for inspection request. G00-00

Roof plans. Looking to verify roof clearances, intake, vents clearances, exhaust, tie-downs, guards etc. Assistance is requested to verify compliance for these details. G00-00

SHEET INDEX - PHASE 1

SHEET NUMBER	SHEET NAME	PHASE 1 04.24.2025
01-GENERAL		
G00-00	COVER	•
G01-01	CODE COMPLIANCE EGRESS PLAN - LEVEL 01	•
G05-01	FIRE RESISTANCE DETAILS AND DIAGRAMS	•
G06-01	PHASING DIAGRAMS	•
04-ARCHITECTURAL		
A00-01	REFERENCE SHEET	•
A01-01	OVERALL EXISTING FLOOR PLAN LEVEL 01	•
A04-01	DEMOLITION PLAN LEVEL 01	•
A04-05	PARTIAL DEMOLITION PLANS	•
A05-01	DEMOLITION REFLECTED CEILING PLANS	•
A06-01	DEMOLITION SECTIONS	•
A10-01	OVERALL FLOOR PLAN LEVEL 01	•
A10-02	OVERALL FLOOR PLAN LEVEL 02	•
A11-01	PARTIAL FLOOR PLAN LEVEL 01	•
A11-02	PARTIAL FLOOR PLAN LEVEL 02	•
A12-01	REFLECTED CEILING PLAN LEVEL 01	•
A12-02	PARTIAL REFLECTED CEILING PLAN LEVEL 02	•
A13-01	FINISH PLAN LEVEL 01	•
A13-02	PARTIAL FINISH PLAN LEVEL 02	•
A21-01	BUILDING SECTIONS	•
A31-01	WALL SECTIONS	•
A44-01	ENLARGED ELEVATION - LEVEL 01	•
A45-01	CASEWORK PLANS AND ELEVATIONS	•
A51-01	CEILING DETAILS	•
A61-01	PARTITION TYPE CHARTS & DETAILS	•
A62-01	DOOR SCHEDULE	•
A64-01	FINISH SCHEDULE AND LEGEND	•
05-STRUCTURAL		
S01-01	GENERAL NOTES	•
S01-02	GENERAL NOTES	•
S01-03	GENERAL NOTES	•
S01-04	GENERAL NOTES	•
S11-01	FRAMING PLAN - LEVEL 01	•
S11-02	FRAMING PLAN - LEVEL 02	•
S11-03	FRAMING PLAN - LEVEL 03	•
S11-04	FRAMING PLAN - LEVEL 04	•
S11-05	FRAMING PLAN - LEVEL 05	•
S21-01	STEEL DETAILS	•
S21-02	STEEL DETAILS	•
S21-10	COLD FORMED STEEL FRAMING DETAILS	•
S21-11	COLD FORMED STEEL FRAMING DETAILS	•
S21-12	NON-BEARING COLD FORMED STEEL DETAILS	•
06-FOOD SERVICE		
FS01-00	PHASE 1 OVERALL	•
FS01-A.1	PHASE 1 (AREA - A) EQUIPMENT PLAN AND SCHEDULE	•
FS01-A.2	PHASE 1 (AREA - A) PLUMBING PLAN AND SCHEDULE	•
FS01-A.3	PHASE 1 (AREA - A) ELECTRICAL PLAN AND SCHEDULE	•
FS01-A.4	PHASE 1 (AREA - A) SLAB BLOCK OUT - SLAB CONDITIONS PLAN	•
FS01-A.5	PHASE 1 (AREA - A) SPECIAL CONDITIONS PLAN	•
FS01-A.6	PHASE 1 (AREA - A) REFRIGERATION PLAN AND SCHEDULE	•
FS01-A.7	DETAILS AND WALL BACKING DETAILS	•
FS01-B.1	PHASE 1 (AREA - B) FINAL EQUIPMENT PLAN AND SCHEDULE	•
FS01-B.1.1	PHASE 1 (AREA - B) STEP 1 EQUIPMENT PLAN AND SCHEDULE	•
FS01-B.1.2	PHASE 1 (AREA - B) STEP 2 EQUIPMENT PLAN AND SCHEDULE	•
FS01-B.2	PHASE 1 (AREA - B) FINAL PLUMBING PLAN AND SCHEDULE	•
FS01-B.2.1	PHASE 1 (AREA - B) STEP 1 PLUMBING PLAN AND SCHEDULE	•
FS01-B.2.2	PHASE 1 (AREA - B) STEP 2 PLUMBING PLAN AND SCHEDULE	•
FS01-B.3	PHASE 1 (AREA - B) FINAL ELECTRICAL PLAN AND SCHEDULE	•
FS01-B.3.1	PHASE 1 (AREA - B) STEP 1 ELECTRICAL PLAN AND SCHEDULE	•
FS01-B.3.2	PHASE 1 (AREA - B) STEP 2 ELECTRICAL PLAN AND SCHEDULE	•
FS01-B.4	PHASE 1 (AREA - B) SLAB BLOCK OUT PLAN	•
FS01-B.5	PHASE 1 (AREA - B) FINAL SPECIAL CONDITIONS PLAN	•
FS01-B.5.1	PHASE 1 (AREA - B) STEP 1 SPECIAL CONDITIONS PLAN	•
FS01-B.5.2	PHASE 1 (AREA - B) STEP 2 SPECIAL CONDITIONS PLAN	•
FS01-B.6	PHASE 1 (AREA - B) HOOD DETAILS 1 OF 3 HALTON DOCUMENTS	•

SHEET INDEX - PHASE 1

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FS01-B.6.2	PHASE 1 (AREA - B) HOOD DETAILS 3 03 HALTON DOCUMENTS	•
FS01-B.7	DETAILS AND WALL BACKING DETAILS	•
FS04-A.1	PHASE 1 ROOF EQUIPMENT AND ELECTRICAL PLANS	•
FS04-A.2	PHASE 1 ROOF SPECIAL CONDITIONS AND REFRIGERATION PLAN	•
07-MECHANICAL		
TM0.01	SCHEDULES - MECHANICAL	•
TM0.02	SCHEDULES - MECHANICAL	•
DM2.01	LEVEL 01 OVERALL DEMOLITION FLOOR PLAN - MECHANICAL	•
DM2.01A	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA A - MECHANICAL	•
DM2.01B	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA B - MECHANICAL	•
DF2.01A	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA A - FITTING	•
DF2.01B	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA B - FITTING	•
TM2.01	LEVEL 01 OVERALL FLOOR PLAN - MECHANICAL	•
TM2.01A	LEVEL 01 FLOOR PLAN - PHASE 1 AREA A - MECHANICAL	•
TM2.01B	LEVEL 01 FLOOR PLAN - PHASE 1 AREA B - MECHANICAL	•
TF2.01A	LEVEL 01 FLOOR PLAN - PHASE 1 AREA A - FITTING	•
TF2.01B	LEVEL 01 FLOOR PLAN - PHASE 1 AREA B - FITTING	•
TM2.02	LEVEL 02 FLOOR PLAN - PHASE 1 - MECHANICAL	•
TM2.03	LEVEL 03 FLOOR PLAN - PHASE 1 - MECHANICAL	•
TM2.04	LEVEL 04 FLOOR PLAN - PHASE 1 - MECHANICAL	•
TM3.01	LEVEL 01 SMOKE CONTROL FLOOR PLAN - MECHANICAL	•
TM4.01	AIRFLOW DIAGRAMS - PHASE 1 - MECHANICAL	•
TM6.01	DETAILS - MECHANICAL	•
08-ELECTRICAL		
E00-00	SYMBOLS AND ABBREVIATIONS	•
E10-00	OVERALL PHASING PLAN	•
E10-10	PHASE 1 - OVERALL DEMOLITION FLOOR PLAN - LEVEL 01	•
E10-11	PHASE 1 - LIGHTING DEMOLITION PLAN - LEVEL 01	•
E10-12	PHASE 1 - POWER DEMOLITION PLAN - LEVEL 01	•
E10-20	PHASE 1 - OVERALL DEMOLITION FLOOR PLAN - LEVEL 02	•
E10-21	PHASE 1 - POWER AND LIGHTING DEMOLITION PLAN - LEVEL 02	•
E11-10	PHASE 1 - OVERALL FLOOR PLAN - LEVEL 01	•
E11-11	PHASE 1 - LIGHTING RCP - LEVEL 01	•
E11-12A	PHASE 1 - STEP 1 - POWER PLAN - LEVEL 01	•
E11-12B	PHASE 1 - STEP 2 - POWER PLAN - LEVEL 01	•
E11-12C	PHASE 1 - FINAL - POWER PLAN - LEVEL 01	•
E11-20	PHASE 1 - OVERALL FLOOR PLAN - LEVEL 02	•
E11-21	PHASE 1 - POWER AND LIGHTING PLAN - LEVEL 02	•
E11-22	PHASE 1 - ROOF POWER PLAN - LEVEL 03	•
E11-23	PHASE 1 - ROOF POWER PLAN - LEVEL 04	•
E50-00	ONE-LINE DIAGRAM - EXISTING 12.47kV	•
E50-03-1	PHASE 1 - ONE-LINE DIAGRAM - D & T WING	•
E50-04-1	PHASE 1 - ONE-LINE DIAGRAM - NORTH CENTRAL & SOUTH WINGS	•
E80-00	PHASE 1 - EQUIPMENT COORDINATION SCHEDULES	•
E80-01	PHASE 1 - EQUIPMENT COORDINATION SCHEDULES	•
E80-03	PHASE 1 - PANEL SCHEDULES	•
09-PLUMBING		
TP0.01	SCHEDULES - PLUMBING	•
TP0.02	SCHEDULES - PLUMBING	•
TP0.03	SCHEDULES - PLUMBING	•
DP2.01	LEVEL 01 OVERALL DEMOLITION FLOOR PLAN - PLUMBING	•
DP2.01A	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA A - PLUMBING	•
DP2.01B	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA B - PLUMBING	•
TP2.00	LEVEL 01 OVERALL UNDERGROUND PLAN - PLUMBING	•
TP2.00A	LEVEL 01 UNDERGROUND PLAN - PHASE 1 AREA A - PLUMBING	•
TP2.00B	LEVEL 01 UNDERGROUND PLAN - PHASE 1 AREA B - PLUMBING	•
TP2.01	LEVEL 01 OVERALL FLOOR PLAN - PLUMBING	•
TP2.01A	LEVEL 01 FLOOR PLAN - PHASE 1 AREA A - PLUMBING	•
TP2.01B	LEVEL 01 FLOOR PLAN - PHASE 1 AREA B - PLUMBING	•
TP4.01A	DOMESTIC WATER RISER	•
TP4.02A	WASTE-VENT-GREASE RISER	•
TP4.03A	NATURAL GAS RISER	•
TP5.01B	ENLARGED FLOOR PLAN - STEP 2 AREA B - PLUMBING	•
TP6.01	PLUMBING DETAILS	•

OVERALL MAP

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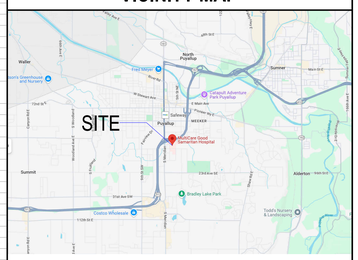
VICINITY MAP



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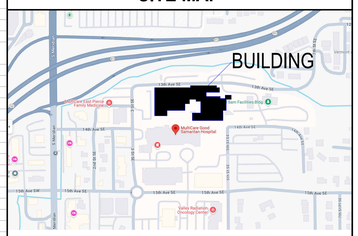
SITE MAP



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PROJECT INFORMATION

PROJECT DESCRIPTION

THIS TENANT IMPROVEMENT ON LEVEL 1 OF THE GOOD SAMARITAN HOSPITAL CAMPUS WILL EXPAND THE EXISTING NUTRITION DEPARTMENT IN ORDER TO SUPPORT THE FUTURE PATIENT CARE TOWER EXPANSION (WA DOH CERTIFICATE OF NEED 1980). PROJECT WILL BE REVIEWED BY WA DOH UNDER CRS# 61682265. DUE TO HOSPITAL REQUIREMENTS FOR CONTINUOUS OPERATION, THIS PROJECT IS PLANNED FOR CONSTRUCTION IN MULTIPLE PHASES IN ORDER TO MAINTAIN FOOD SERVICE AND DINING OPERATIONS FOR THE HOSPITAL. PHASE 1 WILL CREATE NEW STORAGE, WARE WASH, COOKING, AND OFFICE SPACES TO SERVE MULTIPLE DEPARTMENTS. SCOPE ALSO INCLUDES NEW INFRASTRUCTURE NEEDED TO SUPPORT THIS ADDED CAPACITY. REFER TO G-06-01 FOR MORE INFORMATION ON PHASE 0 AND PHASE 2 WORK.

APPLICABLE CODES

2021 INTERNATIONAL BUILDING CODE (IBC)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2021 FUEL GAS CODE
2021 UNIFORM PLUMBING CODE (UPC) WITH WA. STATE AMENDMENTS
2021 INTERNATIONAL FIRE CODE (IFC)
2021 WASHINGTON STATE ENERGY CODES
2023 NFPA 70 NATIONAL ELECTRICAL CODE
2017 A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
2022 FGI GUIDELINES FOR DESIGN AND CONSTRUCTION - HOSPITALS
2012 NFPA 101 - LIFE SAFETY CODE

OCCUPANCY CLASSIFICATION

B OCCUPANCY - BUSINESS
I-2 CONDITION 2 OCCUPANCY - INSTITUTIONAL

CONSTRUCTION TYPE

TYPE I-A

FIRE RESISTANCE RATINGS (IN HOURS)

PRIMARY STRUCTURAL FRAME	3
BEARING WALLS (EXTERIOR)	3
BEARING WALLS (INTERIOR)	3
NONBEARING WALLS (EXTERIOR)	0
FLOOR CONSTRUCTION	2
ROOF CONSTRUCTION	1.5

PARCEL NUMBER: 9810000016

DOH CRS NUMBER: 61682265

City of Puyallup
Planning
Division
APPROVED
See permit conditions.
CBeale
05/29/2025
9:26:14 AM

Perkins&Will
1301 5th Ave
#2300, Seattle,
WA 98101
t +12063816000
www.perkinswill.com

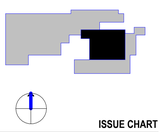
6712 REGISTERED ARCHITECT
BRAD HINTHORNE
STATE OF WASHINGTON

PHASE 1 CONSTRUCTION 04.24.2025

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

MultiCare Good Samaritan Hospital
MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
1	Revision 1	Date 1

Job Number 162433.000

TITLE

COVER

SHEET NUMBER

G00-00

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Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/ARCH-MultiCare-Kitchen-R25.rvt
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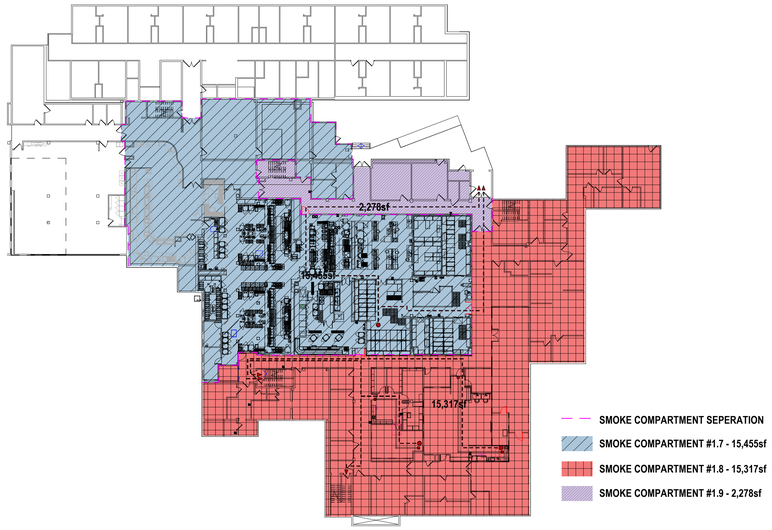
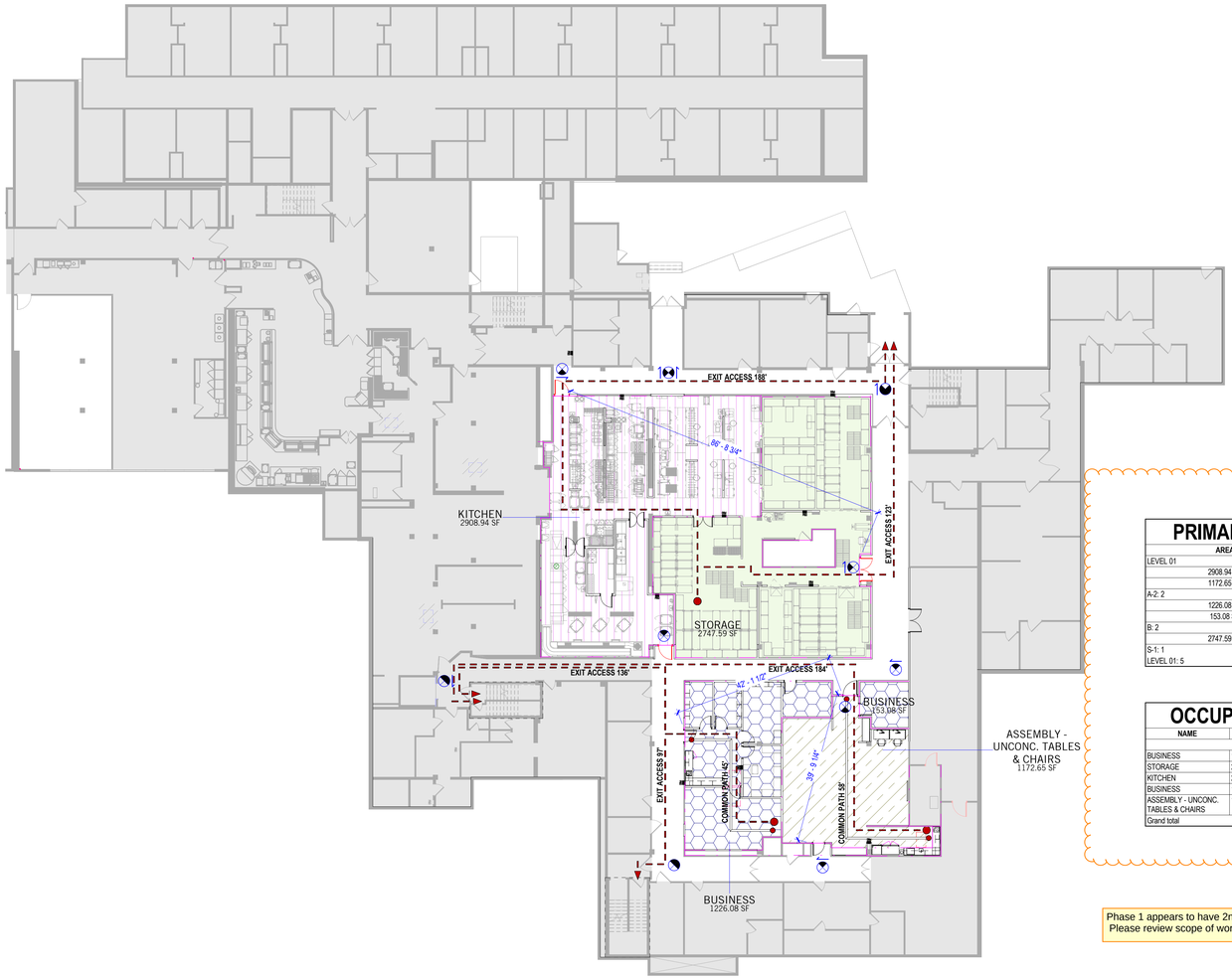


2 LEVEL 01 SMOKE COMPARTMENT DIAGRAM
SCALE 1" = 30'-0"



1 LEVEL 01 OCCUPANT LOAD - PHASE 1
SCALE 1/16" = 1'-0"

PRIMARY USE CLASSIFICATION BY LEVEL - PHASE 1

AREA	USE CLASSIFICATION	% OF LEVEL
LEVEL 01		
2908.94 SF	A-2	35%
1172.65 SF	A-2	14%
A-2: 2		
1226.08 SF	B	15%
153.08 SF	B	2%
B: 2		
2747.59 SF	S-1	33%
S-1: 1		
LEVEL 01: 5		

OCCUPANT LOAD CALCULATIONS - PHASE 1

NAME	AREA (SF)	OCC LOAD FACTOR	OCCUPANT LOAD
BUSINESS	1226.08 SF	100.00 SF	13
STORAGE	2747.59 SF	300.00 SF	10
KITCHEN	2908.94 SF	200.00 SF	15
BUSINESS	153.08 SF	100.00 SF	2
ASSEMBLY - UNCONC. TABLES & CHAIRS	1172.65 SF	15.00 SF	79
Grand total			

Phase 1 appears to have 2nd floor work; would this be Phase 1C. Please review scope of work and phasing plan for clarity.

CODE COMPLIANCE PLAN GENERAL NOTES

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

EGRESS COMPONENTS

NOT IN CONTRACT

EGRESS COMPONENTS - PATH OF TRAVEL

EXIT ACCESS = 999'-11"

EXIT SEPARATION = 999'-11"

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

COMMON PATH OF EGRESS = 999'-11"

ACCESSIBLE ROUTE

FIRE EXTINGUISHER & CABINET (HALFTONE IF EXISTING)

FIRE EXTINGUISHER (HALFTONE IF EXISTING)

FIRE EXTINGUISHER & CABINET SURFACE MOUNTED (HALFTONE IF EXISTING)

EXIT SIGN

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

X 3		# OF IDENTICAL ITEMS TAGGED - OPTIONAL
EXIT A	STAIR A	EGRESS COMPONENT AND OPTIONAL GROUP
96" ACT	48" ACT	ACTUAL WIDTH PROVIDED
276 OCC	120 OCC	OCCUPANT LOAD
55.2" REQ	44" REQ	REQUIRED WIDTH FOR OCCUPANT LOAD

AREA TAG
ASSEMBLY - UNCONC. TABLES & CHAIRS
999 SF
SF/OC
OCC

FUNCTION OF SPACE
AREA
OCCUPANT LOAD FACTOR
OCCUPANTS

LEGEND

RATED DOOR (RED)

NON-RATED DOOR

EXISTING DOOR

Perkins&Will

1301 5th Ave
#2300, Seattle,
WA 98101
t +12063816000
www.perkinswill.com

6712 REGISTERED ARCHITECT
BRAD HUNTHORNE
STATE OF WASHINGTON

PHASE 1 PERMIT SET 04.24.2025

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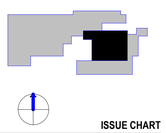
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

CODE COMPLIANCE EGRESS PLAN - LEVEL 01

SHEET NUMBER

G01-01

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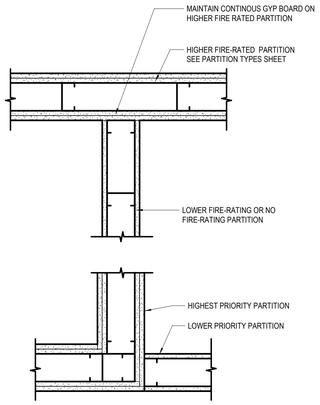
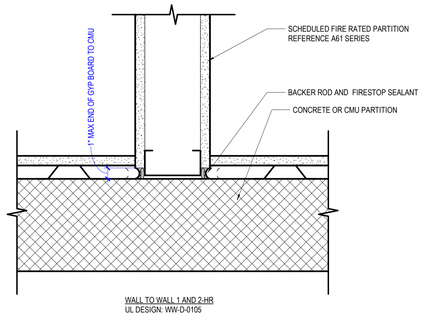
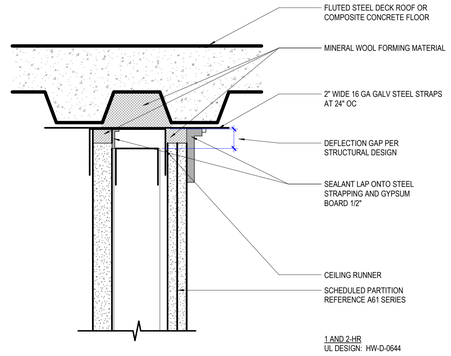


WALL PRIORITY LEGEND	
2 HOUR FIRE AND SMOKE PARTITION	PRIORITY 1
2 HOUR FIRE PARTITION	PRIORITY 2
2 HOUR SHAFTWALL	PRIORITY 3
1 HOUR FIRE AND SMOKE PARTITION	PRIORITY 4
1 HOUR FIRE PARTITION	PRIORITY 5
NON-RATED PARTITION	

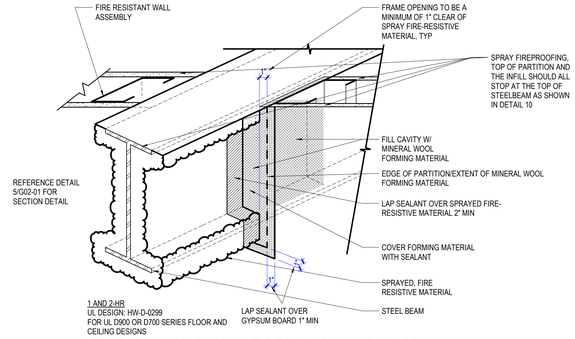
16 PARTITION PRIORITY DIGRAM
SCALE 1 1/2" = 1'-0"



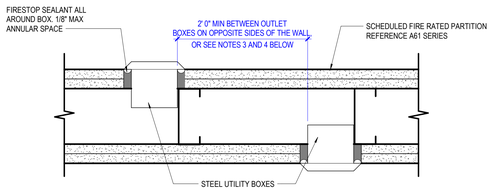
15 INTERSECTION OF RATED PARTITION AND CONCRETE OR CMU PARTITION
3" = 1'-0" |



14 TYPICAL 1HR/2HR SHAFT WALL HEAD
3" = 1'-0" | METAL DECK PARALLEL TO PARTITION

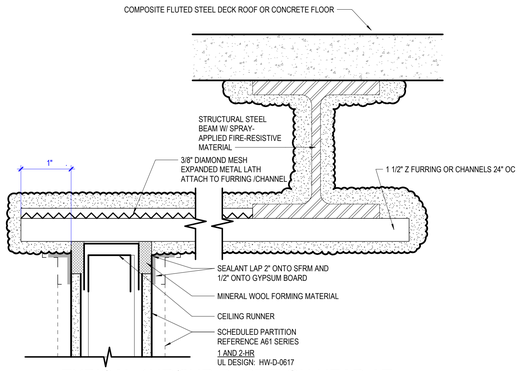


13 TYPICAL 1HR/2HR PARTITION HEAD AT STEEL BEAM INTERSECTION
1 1/2" = 1'-0" |

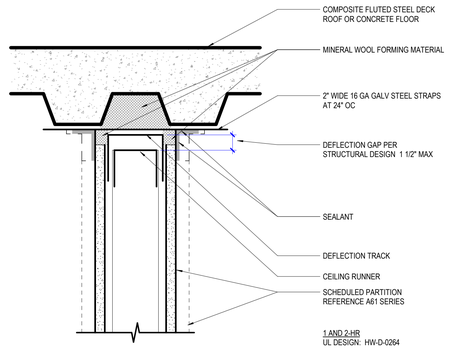


NOTES:
1. FOR ONE HOUR RATED PARTITIONS, TWO HOUR RATED PARTITIONS AND SMOKE PARTITIONS, SURFACE AREA OF INDIVIDUAL BOXES SHALL NOT EXCEED 16 SQUARE INCHES. THE AGGREGATED SURFACE OF ALL BOXES SHALL NOT EXCEED 100 SQUARE INCHES IN ANY 100 SQUARE FEET OF PARTITION AREA AND SHALL BE LOCATED IN INDIVIDUAL NONCOMMUNICATING STUD CAVITIES.
2. SOUND ATTENUATION BLANKETS NOT SHOWN FOR CLARITY. SEE A61 SERIES FOR ACOUSTICAL REQUIREMENTS.
3. MEMBRANE PENETRATIONS FOR LISTED ELECTRICAL OUTLETS ARE PERMITTED PROVIDED THEY HAVE BEEN TESTED FOR USE IN FIRE-RESISTANT RATED ASSEMBLIES.
4. UL DESIGN TESTED. BOX PADS MAY BE USED IN LIEU OF SEPARATING THE BOXES BY 24" AND TO PROTECT > 16" SQ BOXES.

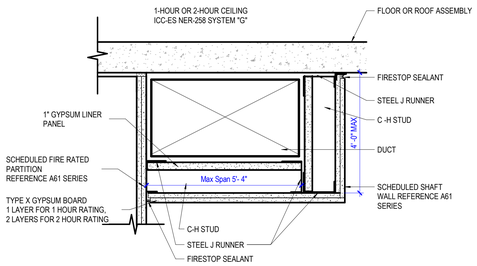
11 NON-LISTED UTILITY BOXES IN RATED PARTITIONS
SCALE 3" = 1'-0"



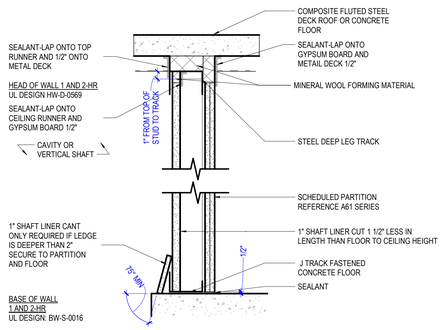
10 TYPICAL 1HR/2HR PARTITION HEAD AT STEEL BEAM
3" = 1'-0" | PARTITION 8" MAX FROM BEAM FLANGE



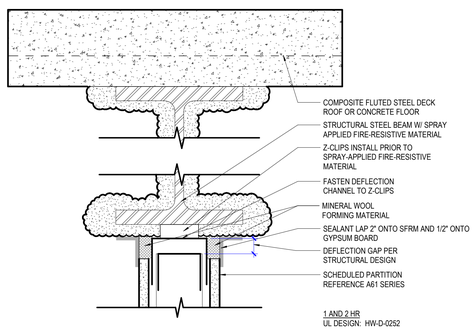
9 TYPICAL 1HR/2HR PARTITION HEAD
3" = 1'-0" | METAL DECK PARALLEL TO PARTITION



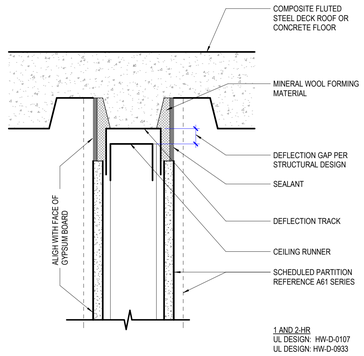
12 HORIZONTAL DUCT PROTECTION
SCALE 1 1/2" = 1'-0"



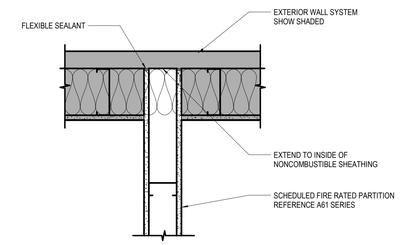
7 TYPICAL 1HR/2HR SHAFT WALL BASE AND HEAD
1 1/2" = 1'-0" | METAL DECK PERPENDICULAR TO PARTITION



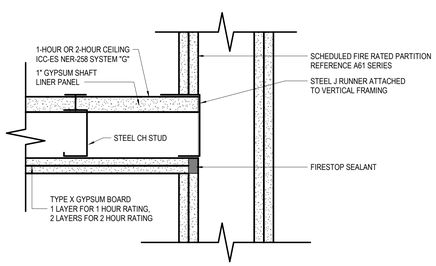
6 TYPICAL 1HR/2HR PARTITION HEAD AT STEEL BEAM
3" = 1'-0" | WALL CENTERED ON STEEL BEAM



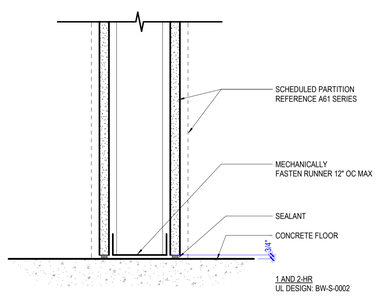
5 TYPICAL 1HR/2HR PARTITION HEAD
3" = 1'-0" | METAL DECK PARALLEL TO PARTITION



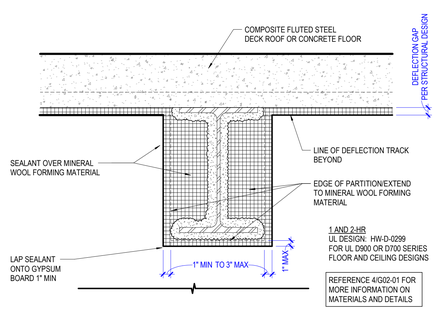
8 PARTITION PRIORITY @ EXTERIOR WALL
SCALE 1 1/2" = 1'-0"



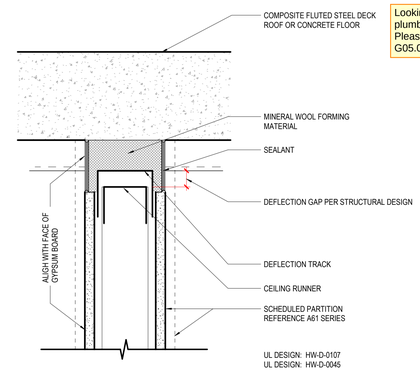
4 HORIZONTAL SHAFTWALL CEILING SYSTEM
SCALE 3" = 1'-0"



3 TYPICAL 1HR/2HR BASE OF PARTITION
3" = 1'-0" |



2 TYPICAL 1HR/2HR PARTITION HEAD AT STEEL BEAM INTERSECTION
1 1/2" = 1'-0" | METAL DECK PERPENDICULAR TO PARTITION



1 TYPICAL 1HR/2HR PARTITION HEAD
3" = 1'-0" | METAL DECK PERPENDICULAR TO PARTITION

Looking for details for fire resistant penetration, including electrical, plumbing, mechanical, etc.
Please provide penetration type and listed assembly details.
G05.01

Perkins&Will
1301 5th Ave
#2300, Seattle,
WA 98101
t +12063816000
www.perkinswill.com

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AHBL
1200 6th Ave #1620, Seattle, WA 98101

STRUCTURAL
PCS
1011 Western Avenue, Suite 810
Seattle WA 98104

CONTRACTOR
SELLEN
227 Westlake Ave,
Seattle, WA 98109

PLUMBING
MACDONALD MILLER
1004 Madison St,
Seattle, WA 98104

MECHANICAL
MACDONALD MILLER
1004 Madison St,
Seattle, WA 98104

ELECTRICAL
EBD SERVICES
14900 Interurban Ave S. #143
Seattle, WA 98168

PROJECT MNGR
TURNER & TOWNSEND
920 Fifth Avenue, Seattle, WA, 98104

6712 REGISTERED ARCHITECT
BRAD HUNTHORNE
STATE OF WASHINGTON

PHASE 1 PERMIT SET 04.24.2025

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

MultiCare Good Samaritan Hospital
MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number	162433.000	

TITLE
FIRE RESISTANCE DETAILS AND DIAGRAMS

SHEET NUMBER
G05-01

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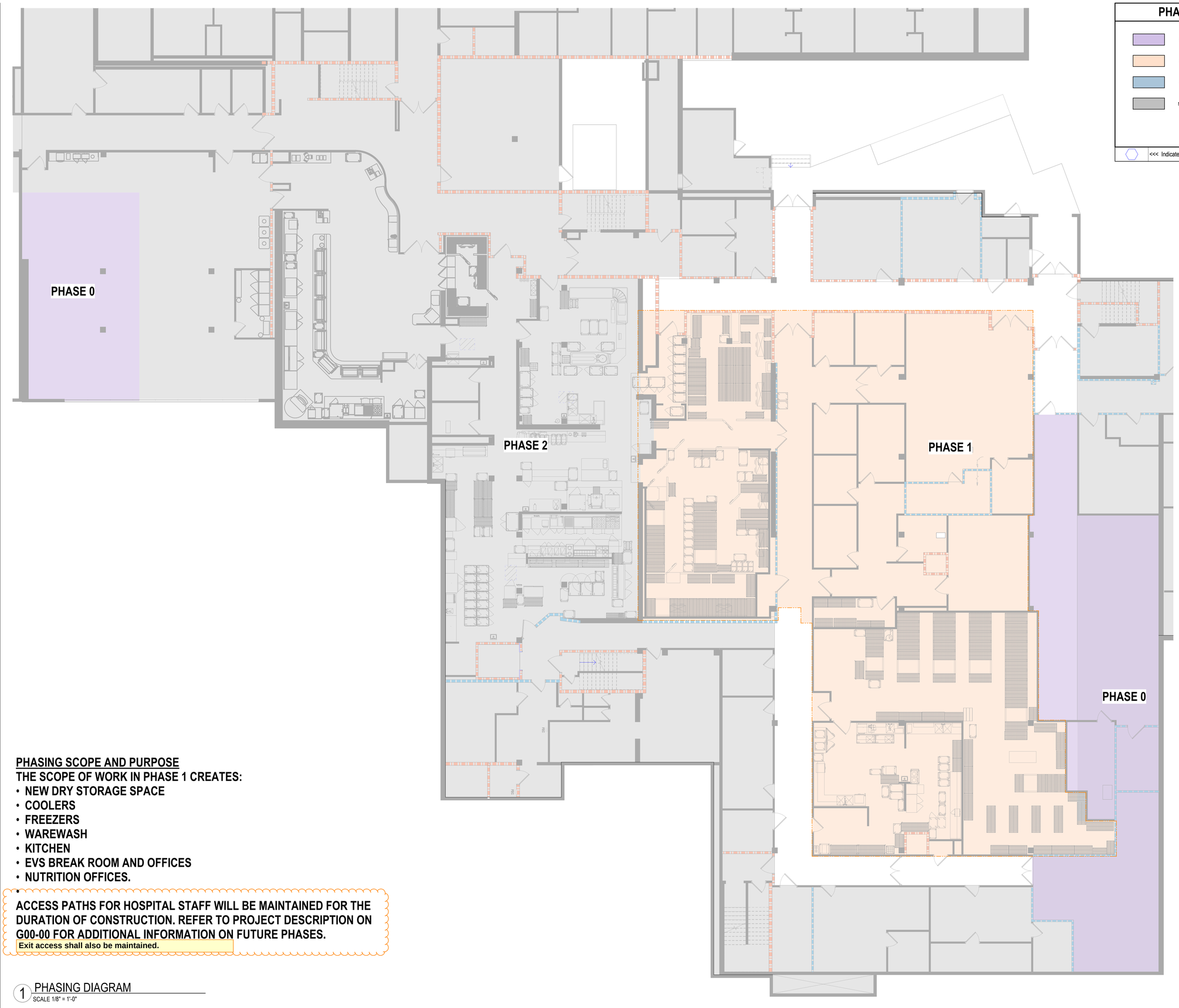

PHASING LEGEND

- PHASE 0
- PHASE 1
- PHASE 2
- NOT IN CONTRACT

<<< Indicates Sheet Keynote on Plan

PHASING SCOPE AND PURPOSE

THE SCOPE OF WORK IN PHASE 1 CREATES:

- **NEW DRY STORAGE SPACE**
- **COOLERS**
- **FREEZERS**
- **WAREWASH**
- **KITCHEN**
- **EVS BREAK ROOM AND OFFICES**
- **NUTRITION OFFICES.**
-

ACCESS PATHS FOR HOSPITAL STAFF WILL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION. REFER TO PROJECT DESCRIPTION ON G00-00 FOR ADDITIONAL INFORMATION ON FUTURE PHASES.

Exit access shall also be maintained.

1 PHASING DIAGRAM
SCALE 1/8" = 1'-0"

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401 15th Ave SE,
Puyallup,
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

PHASE 1 PERMIT SET 04.24.2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
1	Revision 1	Date 1

Job Number 162433.000

TITLE

PHASING DIAGRAMS

SHEET NUMBER

G06-01

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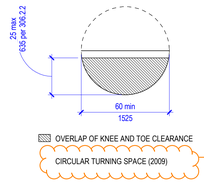
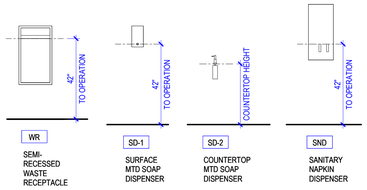
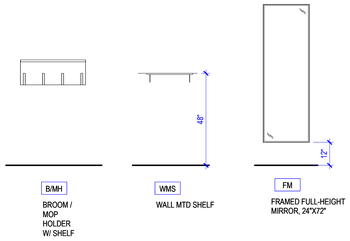
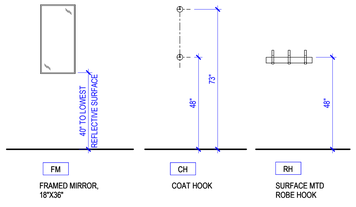


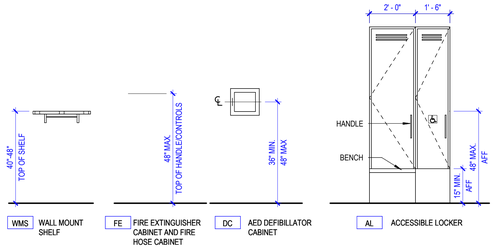
Current standard is 2017 ICC A117.1; please update as applicable to details and dimensions. Typical. A00.01.

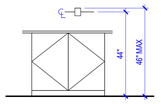
CIRCULAR TURNING SPACE

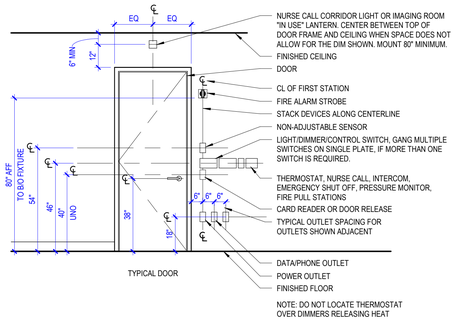












ACCESSIBILITY GENERAL NOTES

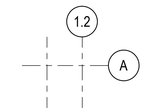
1. THESE PICTOGRAPHS DO NOT DESCRIBE ALL CONDITIONS WHICH MAY BE ENCOUNTERED IN THE FIELD. VERIFY QUESTIONS WITH ARCHITECT
2. INFORMATION IN THESE DRAWINGS IS COMPLEMENTARY TO THE PLANS, SECTIONS, ELEVATIONS AND DETAILS, AND SHALL BE USED IN CONJUNCTION WITH THEM
3. PROVIDE WORK SHOWN OR REFERRED TO HEREIN AS THOUGH SHOWN ON ALL OTHER ARCHITECTURAL DRAWINGS
4. INFORMATION REGARDING THE LOCATION OF MECHANICAL, ELECTRICAL, AND PLUMBING ITEMS IS PROVIDED AS DESIGN CRITERIA FOR THE CONVENIENCE OF THOSE DESIGNERS OF RECORD WHO SHALL BEAR RESPONSIBILITY FOR COMPLIANCE WITH THE APPLICABLE CODE STANDARDS ILLUSTRATED AND CITED HEREIN
5. PROVIDE REINFORMENT, AS ILLUSTRATED HEREIN, AT TOILET AND SHOWER SEAT LOCATIONS. DASHED GRAB BARS DELINEATE REQUIRED REINFORCEMENT FOR FUTURE GRAB BARS. WHERE REINFORCEMENT IS NOT NOTED 32" MAX AFF AND 38" MIN AFF, UNO AND WHERE BLOCKING IS USED, A SINGLE 2X6 IS NOT ADEQUATE. GAPS IN REINFORCEMENT MUST BE 1/4" MAX.
6. IN LIEU OF REINFORCEMENT IN WALLS SURROUNDING SHOWERS, FIBERGLASS SHOWER SURROUNDINGS CAN BE REINFORCED TO ALLOW GRAB BARS TO BE ATTACHED TO SHOWER. ALLOWABLE STRESSES SHALL BE DESIGNED TO RESIST A VERTICAL OR HORIZONTAL FORCE OF 250 LBS APPLIED AT ANY POINT ON THE GRAB BAR, FASTER MOUNTING DEVICE, OR SUPPORTING STRUCTURE.
7. PROVIDE GRAB BARS, AS ILLUSTRATED HEREIN, WITHIN PUBLIC AND COMMON SPACES, CODE MINIMUM AND MAXIMUM HEIGHTS ARE NOTED. SPECIFIC HEIGHT MAY BE CALLED OUT ON INTERIOR ELEVATIONS FOR COORDINATION WITH ACCESSORIES ABOVE GRAB BARS.
8. COMPLY WITH MOUTING HEIGHTS INDICATED HEREIN FOR WALL-MOUNTED ITEMS. MOUNTING HEIGHTS APPLY TO ALL ITEMS IN ACCESSIBLE AND TYPE A UNITS SAME AS PUBLIC/COMMON AREAS.
9. COMPLY WITH GENERAL BUILDING CLEARANCE REQUIREMENTS AS INDICATED HEREIN. CLEAR FLOOR SPACE REQUIREMENTS SHOWN DASHED, REFERENCE "TYPICAL SYMBOLS LEGEND" WITHIN ACCESSIBLE AND TYPE A MOBILITY UNITS. ALL DOORS FOR USER SHALL HAVE DOOR MANEUVERING CLERANCES SAME AS IN PUBLIC AND COMMON AREAS. ALL TURNING SPACE, FLOOR LEVEL CHANGES AND REACH RANGES FROM PREVIOUS SHEET APPLY IN UNITS SAME AS IN PUBLIC AND COMMON AREAS.
10. ENCROACHMENT INTO FLOOR CLEARANCE AREAS AT DOORS, CASEWORK, OR EQUIPMENT IS NOT ALLOWED UNLESS OTHERWISE NOTED.
11. NOTIFY THE ARCHITECT IMMEDIATELY IF CONFLICTS ARE DISCOVERED BETWEEN THE REQUIREMENTS ILLUSTRATED HEREIN AND THOSE ON OTHER DRAWINGS.
12. OPERABLE PARTS IN PUBLIC, COMMON, ACCESSIBLE UNITS, TYPE A UNITS SHALL BE OPERATED WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5.0 POUNDS (22.2 N) MAXIMUM.
13. FOR SHOWERS REQUIRED TO COMPLY WITH DETAILS ON THESE SHEETS, FOLLOW INFORMATION PROVIDED IN DETAILS. FOR NON-ACCESSIBLE SHOWERS AND WHERE NOT NOTED HERE, FIXED SHOWER HEAD TO BE MOUNTED AT 80" FROM FLOOR TO CENTER. SHOWER CURTAIN ROD FOR TUB/SHOWERS SHALL BE MOUNTED AT 77" TO CENTER FOR TYPE B UNIT AND NON-ACCESSIBLE SHOWER WITH CURB, AND 74" FOR ALL OTHER SHOWERS.
14. ALL DIMENSIONS ON THIS SHEET ARE MEASURED TO FINISH FLOOR EXCEPT FOR ITEMS WITHIN IN STAND-ALONE SHOWER ARE NOTED TO FLOOR SURFACE OF SHOWER BELOW ITEM.
15. PROVIDE A HAND SHOWER WITH A HOSE 59" MIN IN LENGTH THAT CAN BE USED AS BOTH FIXED SHOWER HEAD AND AS A HAND SHOWER. THE HAND SHOWER SHALL HAVE A CONTROL WITH NON-POSITIVE SHUT-OFF FEATURE. AN ADJUSTABLE HEIGHT HAND SHOWER MOUNTED ON A VERTICAL BAR SHALL BE INSTALLED SO AS NOT TO OBSTRUCT THE USE OF GRAB BARS. HAND SHOWER MOUNTED AT 45" MAX TO BOTTOM OF SLIDE BAR.
16. MAXIMUM 2'-10" (AFF) TO TOP OF COUNTER TOP AT ACCESSIBLE LAVATORY WITH UNDER MOUNT SINKS - 2'-10" (AFF) TO TOP OF FLOW RING AT DROP-IN SINK.

ABBREVIATIONS

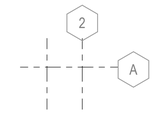
APC	ACOUSTICAL PANEL CEILING
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL), ARCHITECT
BLDG	BUILDING
CF/CI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED, OWNER INSTALLED
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER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

SYMBOLS LEGEND

COLUMN GRID DESIGNATION



NEW GRID

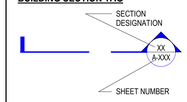


EXISTING GRID

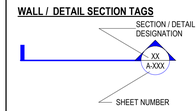
SHEET KEYNOTE TAGS

SHEET KEYNOTE

BUILDING SECTION TAG



WALL / DETAIL SECTION TAGS



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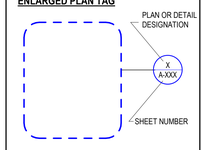
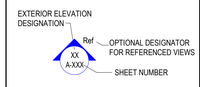
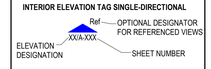


EXTERIOR ELEVATION TAG



INTERIOR ELEVATION TAGS

INTERIOR ELEVATION TAG SINGLE-DIRECTIONAL



DOOR IDENTIFICATION TAG

EQUIPMENT DESIGNATION

TOILET ACCESSORY TAG

NORTH ARROW

PARTITION TAG

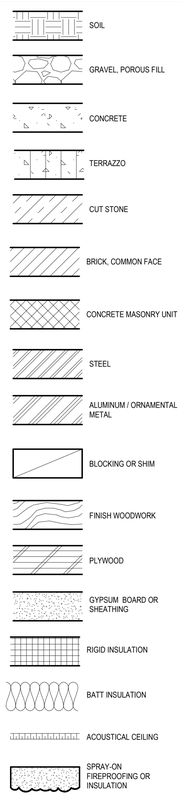
REFER TO A61 SERIES FOR PARTITION TYPES

GLAZING TAG

GENERAL PROJECT NOTES

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

MATERIALS AT LARGE SCALES



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STATE OF WASHINGTON

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number	162433.000	

TITLE

REFERENCE SHEET

SHEET NUMBER

A00-01

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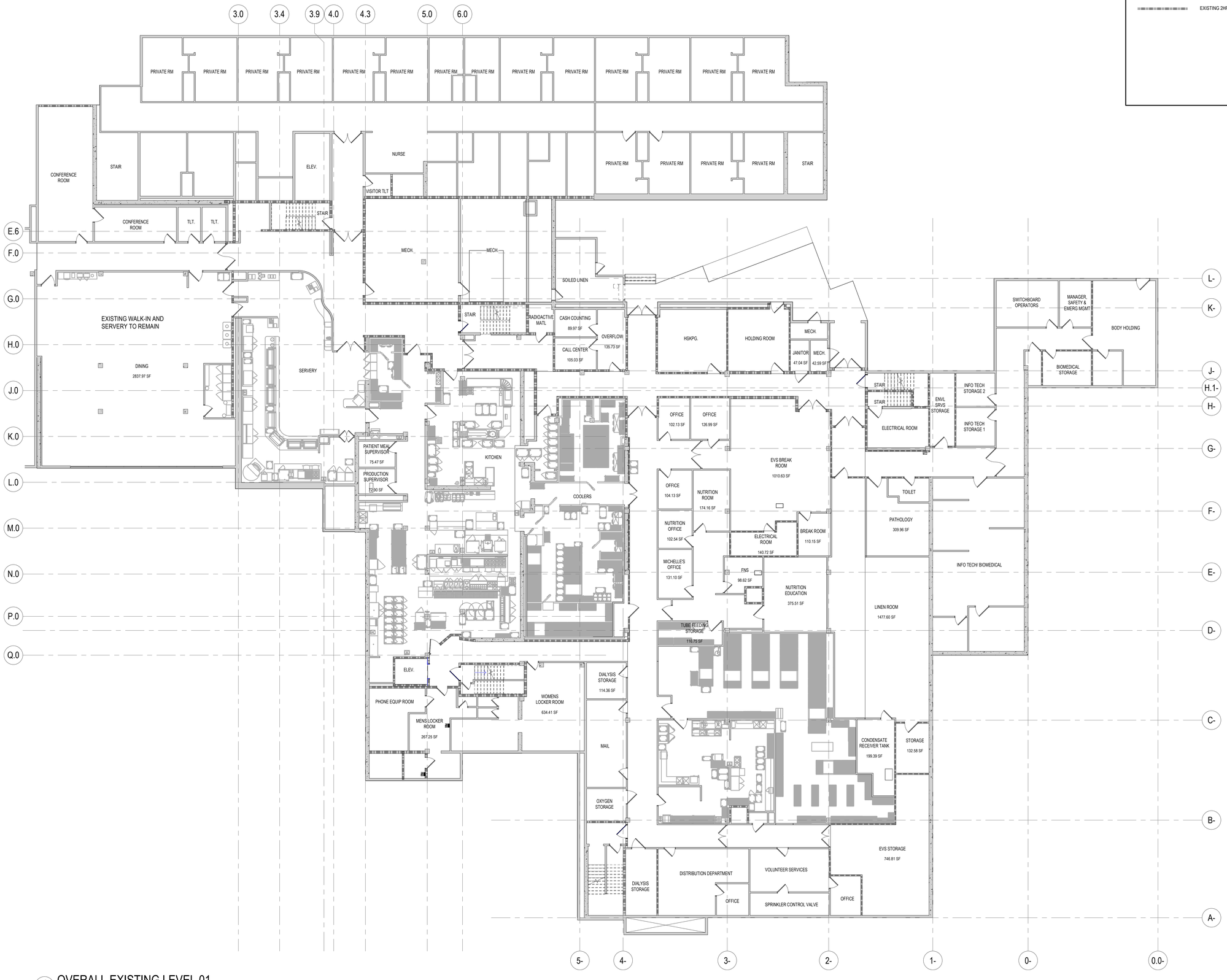
FOR INFORMATION ONLY

FIRE AND SMOKE RATING LEGEND

EXISTING 1HR FIRE BARRIER

EXISTING 2HR FIRE BARRIER



1 OVERALL EXISTING LEVEL 01
SCALE 3/32" = 1'-0"

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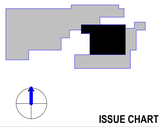
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

OVERALL EXISTING FLOOR PLAN LEVEL 01

SHEET NUMBER

A01-01

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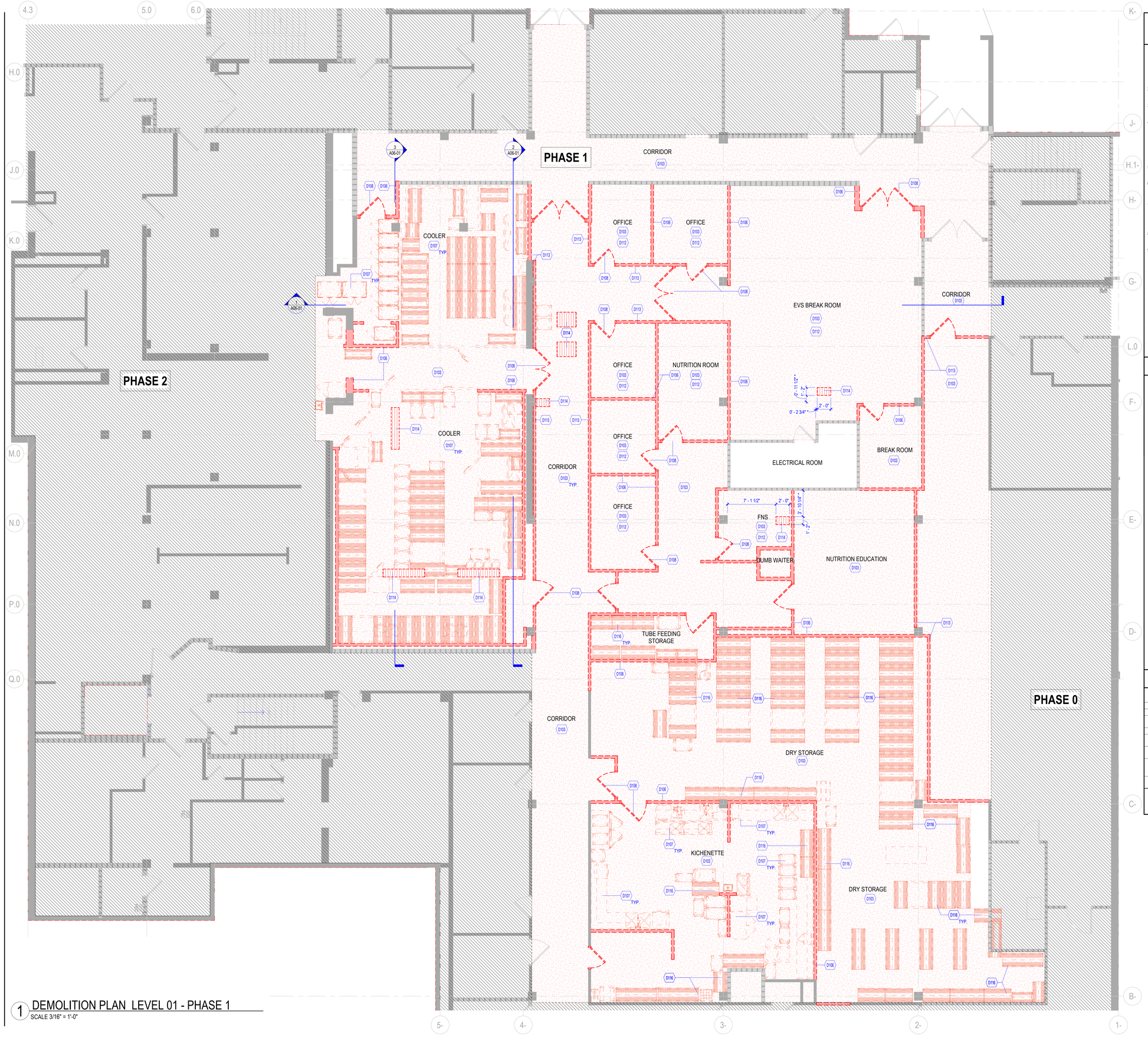

1 DEMOLITION PLAN LEVEL 01 - PHASE 1
SCALE 3/16" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD SURVEY THE SITE OF PROPOSED WORK TO DETERMINE THE EXTENT AND NATURE OF THE DEMOLITION WORK. REFER TO ALL CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS AND SCOPE OF DEMOLITION WORK. REFER TO THE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
2. CONTRACTOR TO SCAN OR X-RAY FLOOR PRIOR TO CUTTING OPENINGS FOR FLOOR PENETRATIONS.
3. PROTECTION SHALL BE PROVIDED FOR BASE BUILDING CONSTRUCTION AND ALL EXISTING CONSTRUCTION TO REMAIN.
4. THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDUIT, WIRING, JUNCTION BOXES, ELECTRICAL COMMUNICATION, AND LIFE SAFETY DEVICES WITH THE LANDLORD AND OWNER PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION WORK. ALL EXISTING ITEMS TO REMAIN SHALL BE PROPERLY MARKED AT THE PROJECT SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDLORD AND OWNER.
5. COORDINATE WITH OWNER TO VERIFY THAT OWNER HAS REMOVED ALL ITEMS SCHEDULED OR PLANNED TO BE REMOVED BY OWNER.
6. WHERE PARTITIONS ARE BEING REMOVED, ALL ELECTRICAL OUTLETS AND SWITCHES SHALL BE DISCONNECTED AT SUPPLY JUNCTION BOXES, UNO.
7. WHERE PLUMBING, WATER LINES, WASTES, AND VENTS ARE REMOVED, THEY SHALL BE DISCONNECTED AND CAPPED AT THE TAP CONNECTION; ADEQUATELY RECESS TO ACCOMMODATE PATCHING AND FINISH OF THE FINISH SURFACE.
8. WHERE TACKLESS CARPET AND/OR PAD ARE BEING REMOVED, REMOVE MECHANICAL ATTACHMENTS TO THE FLOOR.
9. WHERE GLUE DOWN CARPET, RESILIENT FLOORING OR OTHER GLUED FLOOR INSTALLATIONS ARE TO BE REMOVED, REMOVE ALL ADHESIVE TO LEAVE THE FLOOR WITH A SMOOTH, FINISH.
10. REMOVE ALL LOW VOLTAGE CABLING AND CONNECTORS THAT ARE NOT REQUIRED FOR THE OPERATION OF THE FINAL LOW VOLTAGE SYSTEM.
11. ALL EMPTY CONDUITS TO BE REMOVED.
12. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED AT NO COST TO OWNER OR ARCHITECT. IMMEDIATELY REPAIR ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.
13. DOORS WITH DOOR TAGS WITH AN 'EX' PREFIX ARE TO BE SALVAGED FOR REINSTALLATION AT CORRESPONDING DOOR TAG LOCATIONS
14. IF SALVAGED DOORS FOR FUTURE USE ARE NOT NEEDED TO BE RATED REMOVE RATED MARKINGS

LEGEND

X' - X"*	REFER STRUCTURE FOR DIMENSION
	CONSTRUCTION TO BE REMOVED
	NOT IN CONTRACT
	AREA OUT OF ARCHITECTURAL SCOPE FOR CURRENT PHASE (BUT REFER TO OTHER DISCIPLINE DEMOLITION DOCUMENTS FOR ADDITIONAL WORK)
	FLOOR SLAB TO BE REMOVED WITHIN AREA INDICATED. REFER MECHANICAL, PLUMBING AND STRUCTURE.
	WALL TO BE REMOVED WITHIN AREA INDICATED
	FLOOR FINISH TO BE REMOVED WITHIN AREA INDICATED
EX	EXISTING TO REMAIN
ED	EXISTING TO BE DEMOLISHED
ES	EXISTING TO BE SALVAGED
	EXISTING CONSTRUCTION TO REMAIN
	NEW NON-RATED CONSTRUCTION
	EXISTING 1HR FIRE BARRIER
	EXISTING 2HR FIRE BARRIER
	EXTENT OF PHASE-I

DEMOLITION PLAN KEYNOTES

	<<< Indicates Sheet Keynote on Plan
D103	DEMOLISH EXISTING FLOOR FINISH AND BASE.
D106	EXISTING INTERIOR PARTITION TO BE DEMOLISHED.
D107	EXISTING COUNTERS, EQUIPMENT AND PLUMBING FIXTURES TO BE REMOVED.
D108	EXISTING DOOR, FRAME AND HARDWARE TO BE DEMOLISHED.
D112	EXISTING OFFICE FURNITURE TO BE SALVAGED AND REUSED. DETAILS TO BE COORDINATED WITH OWNER.
D113	EXISTING INTERIOR PARTITION, WALL MOUNTED FIXTURES AND WALL PROTECTION ALONG CORRIDOR TO BE DEMOLISHED.
D114	SLAB TO BE DEMOLISHED WITHIN AREA INDICATED. REFER TO STRUCTURE AND FOOD SERVICE DRAWINGS FOR SIZING AND LOCATION.
D116	EXISTING DRY STORAGE EQUIPMENT TO BE REMOVED AND SALVAGED. DETAILS TO BE COORDINATED WITH OWNER.

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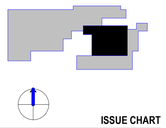

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE
DEMOLITION PLAN
LEVEL 01

SHEET NUMBER
A04-01

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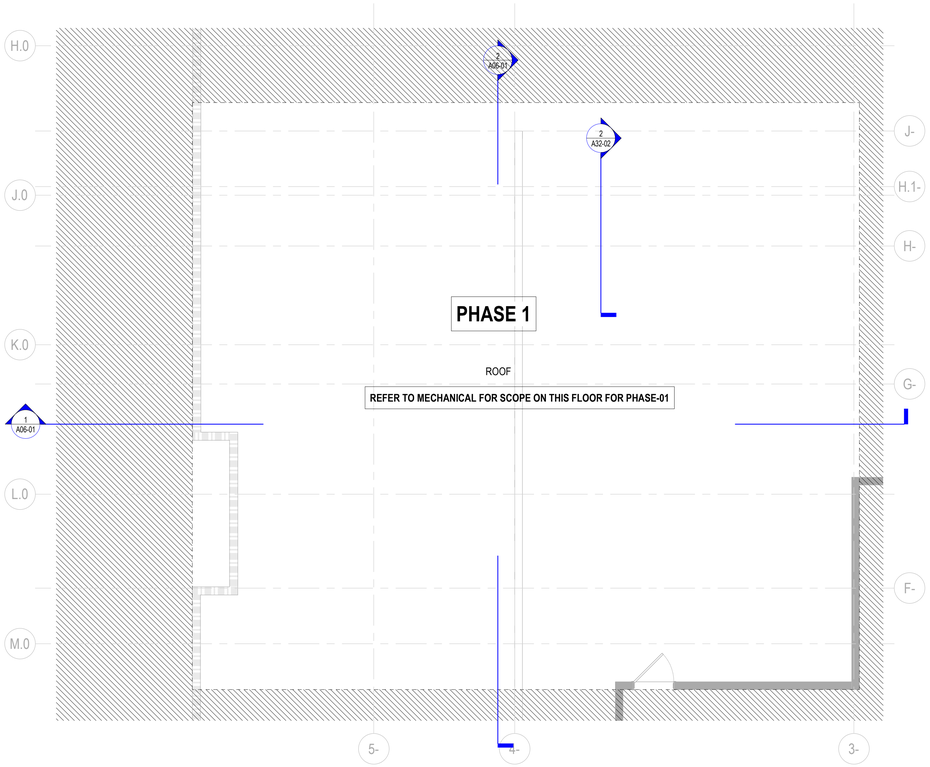
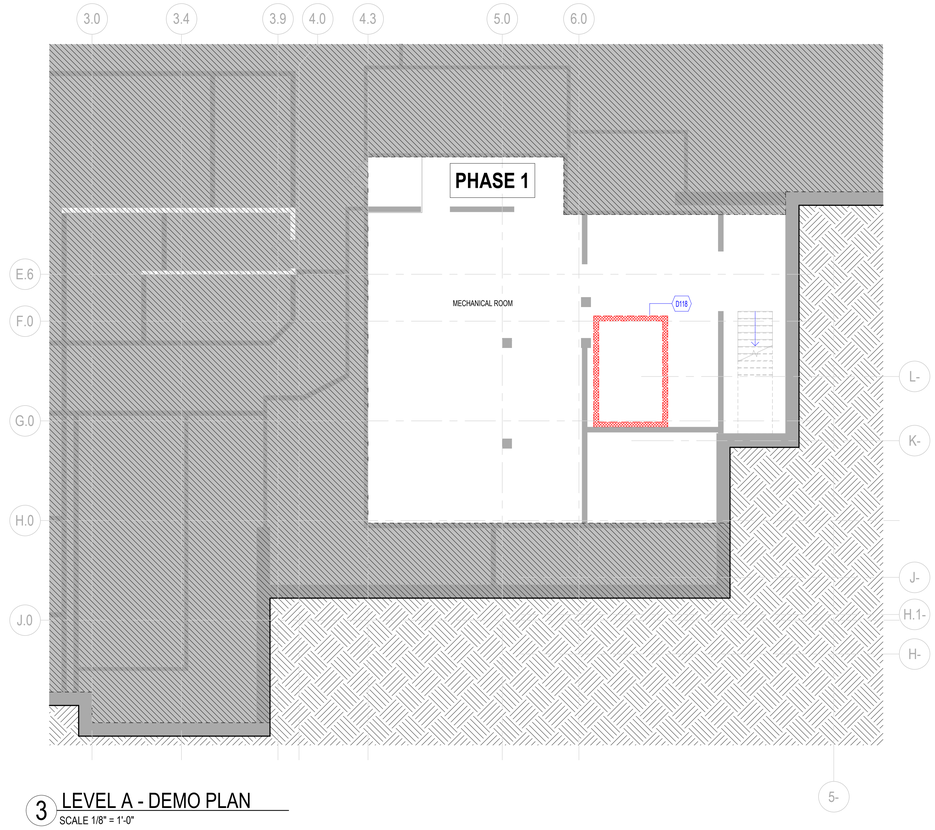


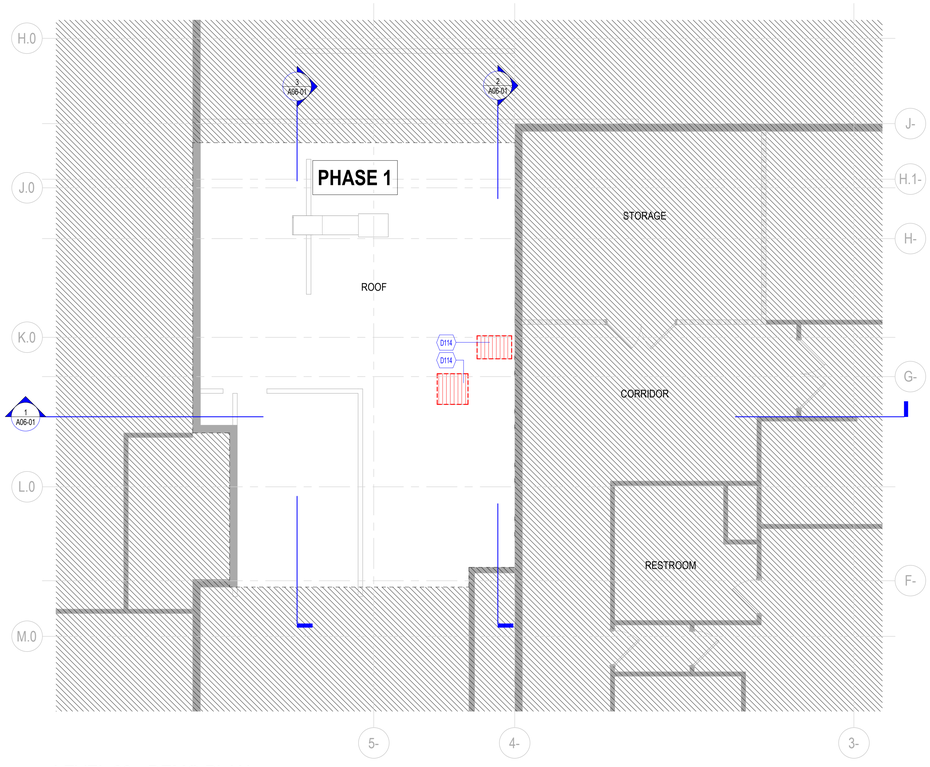
2 LEVEL 04 - DEMO PLAN
SCALE 3/16" = 1'-0"



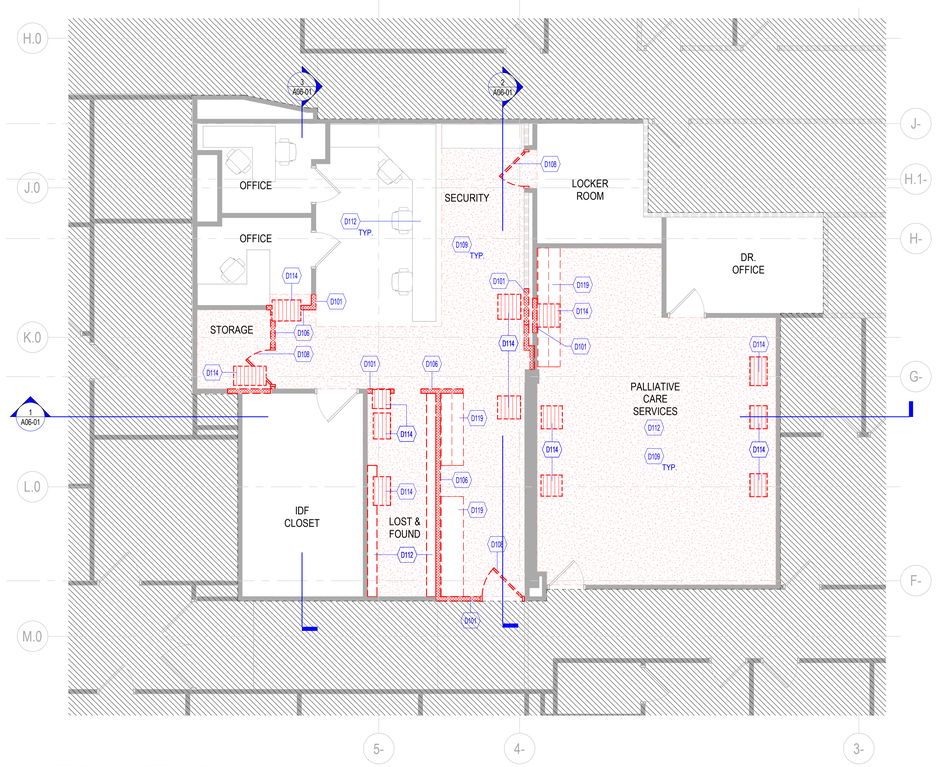
3 LEVEL A - DEMO PLAN
SCALE 1/8" = 1'-0"

A04-05 Is this scope of demolition work intended to be part of Phase 1 A or B? A04-05 and other reference sheets. See Sheet 06.01

Please clarify scope of work and phasing or restoration/construction work for these other floors.



1 LEVEL 03 - DEMO PLAN
SCALE 3/16" = 1'-0"



4 LEVEL 02 - DEMO PLAN
SCALE 3/16" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

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2. CONTRACTOR TO SCAN OR X-RAY FLOOR PRIOR TO CUTTING OPENINGS FOR FLOOR PENETRATIONS.
3. PROTECTION SHALL BE PROVIDED FOR BASE BUILDING CONSTRUCTION AND ALL EXISTING CONSTRUCTION TO REMAIN.
4. THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDUIT, WIRING, JUNCTION BOXES, ELECTRICAL COMMUNICATION, AND LIFE SAFETY DEVICES WITH THE LANDLORD AND OWNER PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION WORK. ALL EXISTING ITEMS TO REMAIN SHALL BE PROPERLY MARKED AT THE PROJECT SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDLORD AND OWNER.
5. COORDINATE WITH OWNER TO VERIFY THAT OWNER HAS REMOVED ALL ITEMS SCHEDULED OR PLANNED TO BE REMOVED BY OWNER.
6. WHERE PARTITIONS ARE BEING REMOVED, ALL ELECTRICAL OUTLETS AND SWITCHES SHALL BE DISCONNECTED AT SUPPLY JUNCTION BOXES, UNO.
7. WHERE PLUMBING, WATER LINES, WASTES, AND VENTS ARE REMOVED, THEY SHALL BE DISCONNECTED AND CAPPED AT THE TAP CONNECTION; ADEQUATELY RECESS TO ACCOMMODATE PATCHING AND FINISH OF THE FINISH SURFACE.
8. WHERE TACKLESS CARPET AND/OR PAD ARE BEING REMOVED, REMOVE MECHANICAL ATTACHMENTS TO THE FLOOR.
9. WHERE GLUE DOWN CARPET, RESILIENT FLOORING OR OTHER GLUED FLOOR INSTALLATIONS ARE TO BE REMOVED, REMOVE ALL ADHESIVE TO LEAVE THE FLOOR WITH A SMOOTH, FINISH.
10. REMOVE ALL LOW VOLTAGE CABLING AND CONNECTORS THAT ARE NOT REQUIRED FOR THE OPERATION OF THE FINAL LOW VOLTAGE SYSTEM.
11. ALL EMPTY CONDUITS TO BE REMOVED.
12. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED AT NO COST TO OWNER OR ARCHITECT. IMMEDIATELY REPAIR ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.
13. DOORS WITH DOOR TAGS WITH AN 'EX' PREFIX ARE TO BE SALVAGED FOR REINSTALLATION AT CORRESPONDING DOOR TAG LOCATIONS
14. IF SALVAGED DOORS FOR FUTURE USE ARE NOT NEEDED TO BE RATED REMOVE RATED MARKINGS

LEGEND

X' - X"*	REFER STRUCTURE FOR DIMENSION
	CONSTRUCTION TO BE REMOVED
	NOT IN CONTRACT
	AREA OUT OF ARCHITECTURAL SCOPE FOR CURRENT PHASE (BUT REFER TO OTHER DISCIPLINE DEMOLITION DOCUMENTS FOR ADDITIONAL WORK)
	FLOOR SLAB TO BE REMOVED WITHIN AREA INDICATED. REFER MECHANICAL, PLUMBING AND STRUCTURE.
	WALL TO BE REMOVED WITHIN AREA INDICATED
	FLOOR FINISH TO BE REMOVED WITHIN AREA INDICATED
EX	EXISTING TO REMAIN
ED	EXISTING TO BE DEMOLISHED
ES	EXISTING TO BE SALVAGED
	EXISTING CONSTRUCTION TO REMAIN
	NEW NON-RATED CONSTRUCTION
	EXISTING 1HR FIRE BARRIER
	EXISTING 2HR FIRE BARRIER
	EXTENT OF PHASE-I

DEMOLITION PLAN KEYNOTES

	<<< Indicates Sheet Keynote on Plan
D101	DEMOLISH PORTION OF EXISTING PARTITION.
D106	EXISTING INTERIOR PARTITION TO BE DEMOLISHED.
D108	EXISTING DOOR, FRAME AND HARDWARE TO BE DEMOLISHED.
D109	EXISTING FLOOR FINISH IN DEMARCATED AREA TO BE DEMOLISHED.
D112	EXISTING OFFICE FURNITURE TO BE SALVAGED AND REUSED. DETAILS TO BE COORDINATED WITH OWNER.
D114	SLAB TO BE DEMOLISHED WITHIN AREA INDICATED. REFER TO STRUCTURE AND FOOD SERVICE DRAWINGS FOR SIZING AND LOCATION.
D118	EXISTING CMU WALL AND DECK TO BE DEMOLISHED. REFER STRUCTURE
D119	EXISTING CASEWORK TO BE REMOVED. PLUMBING FIXTURES AND APPLIANCES TO BE SALVAGED AND REUSED.

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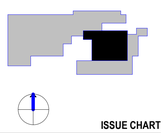

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

PARTIAL DEMOLITION PLANS

SHEET NUMBER

A04-05

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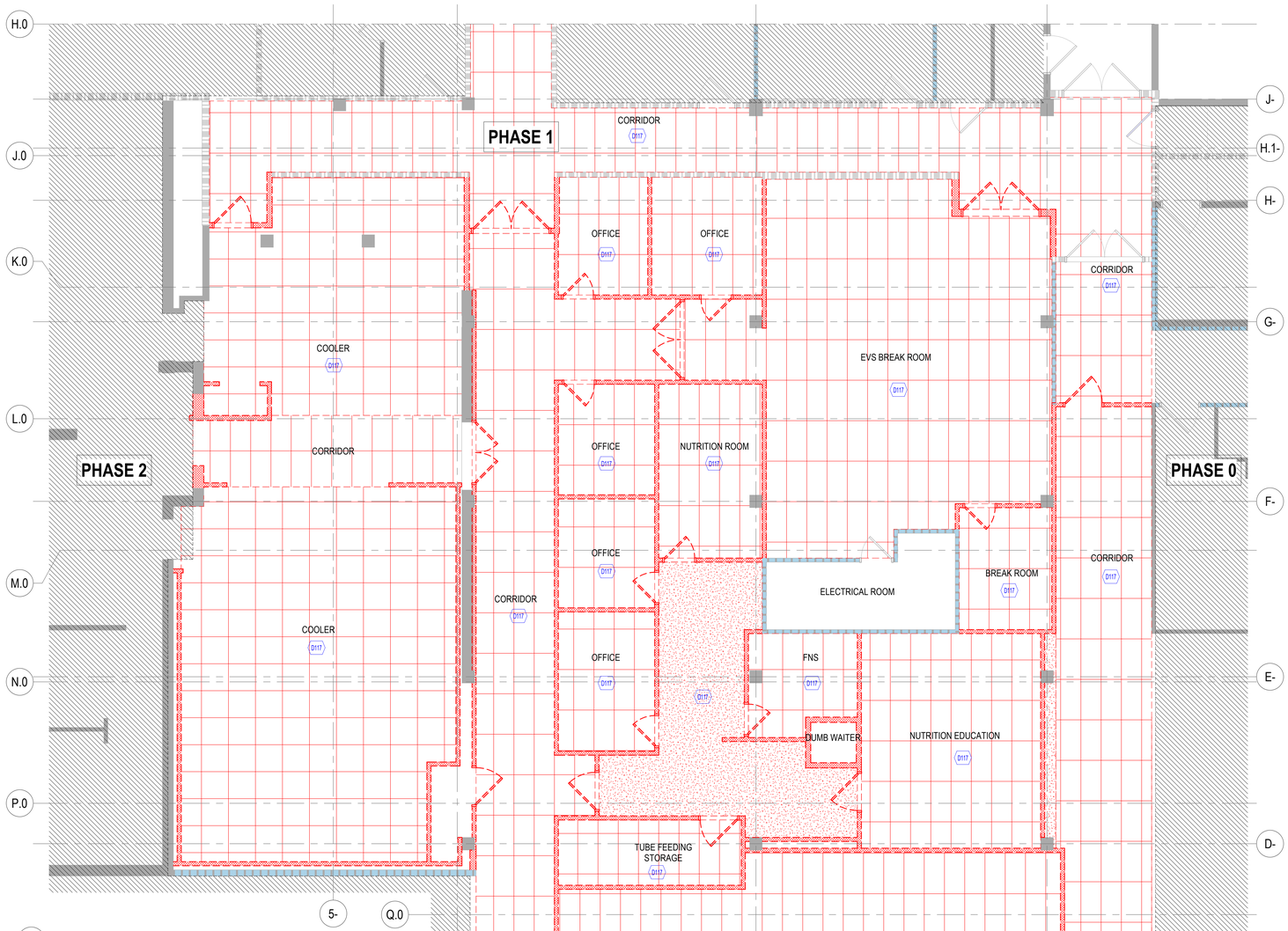
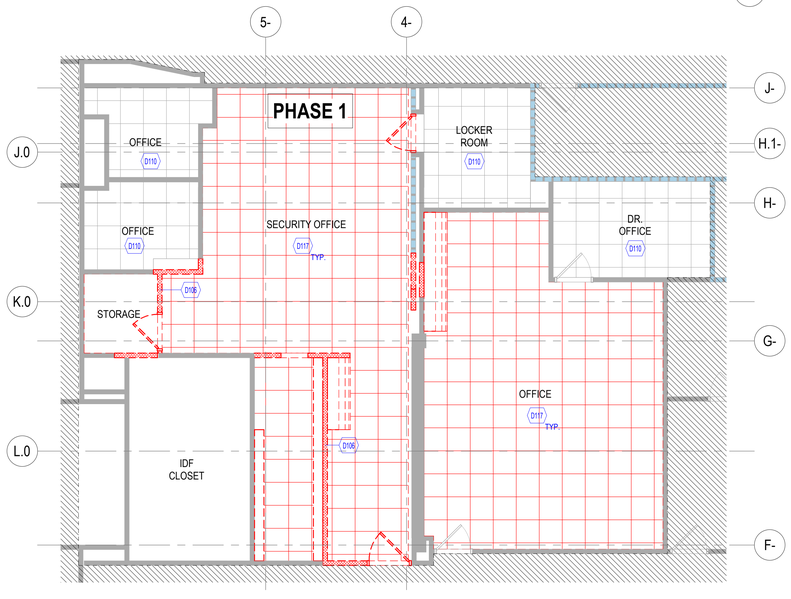


1 REFLECTED CEILING DEMOLITION PLAN LEVEL 01
SCALE 3/16" = 1'-0"



2 PARTIAL DEMOLITION RCP - LEVEL 02
SCALE 3/16" = 1'-0"

DEMOLITION CEILING PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD SURVEY THE SITE OF PROPOSED WORK TO DETERMINE THE EXTENT AND NATURE OF THE DEMOLITION WORK. REFER TO ALL CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS AND SCOPE OF DEMOLITION WORK. REFER TO THE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
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4. THE CONTRACTOR SHALL REVIEW ALL EXISTING CONDUIT, WIRING, JUNCTION BOXES, ELECTRICAL COMMUNICATION, AND LIFE SAFETY DEVICES WITH THE LANDLORD AND OWNER PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION WORK. ALL EXISTING ITEMS TO REMAIN SHALL BE PROPERLY MARKED AT THE PROJECT SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LANDLORD AND OWNER.
5. COORDINATE WITH OWNER TO VERIFY THAT OWNER HAS REMOVED ALL ITEMS SCHEDULED OR PLANNED TO BE REMOVED BY OWNER.
6. WHERE PLUMBING, WATER LINES, WASTES, AND VENTS ARE REMOVED, THEY SHALL BE DISCONNECTED AND CAPPED AT THE TAP CONNECTION; ADEQUATELY RECESS TO ACCOMMODATE PATCHING AND FINISH OF THE FINISH SURFACE.
7. REMOVE ALL LOW VOLTAGE CABLING AND CONNECTORS THAT ARE NOT REQUIRED FOR THE OPERATION OF THE FINAL LOW VOLTAGE SYSTEM.
8. ALL EMPTY CONDUITS TO BE REMOVED.
9. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED AT NO COST TO OWNER OR ARCHITECT. IMMEDIATELY REPAIR ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.

LEGEND

- NOT IN CONTRACT
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING ACOUSTICAL TILE CEILING SYSTEM TO BE DEMOLISHED
- EXISTING METAL CEILING SYSTEM ABOVE COOLERS TO BE DEMOLISHED
- EXISTING GYB BD CEILING AND SOFFIT TO BE DEMOLISHED
- EX — FIXTURE TO REMAIN
- ED — FIXTURE TO BE DEMOLISHED
- ES — FIXTURE TO BE SALVAGED

DEMOLITION CEILING PLAN KEYNOTES

<<< Indicates Sheet Keynote on Plan

D106	EXISTING INTERIOR PARTITION TO BE DEMOLISHED.
D110	EXISTING CEILING AND CEILING MOUNTED FIXTURES TO REMAIN.
D117	EXISTING CEILING SYSTEM AND CEILING MOUNTED FIXTURES TO BE REMOVED.

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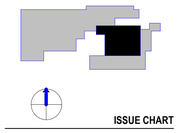

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

DEMOLITION REFLECTED CEILING PLANS

SHEET NUMBER

A05-01

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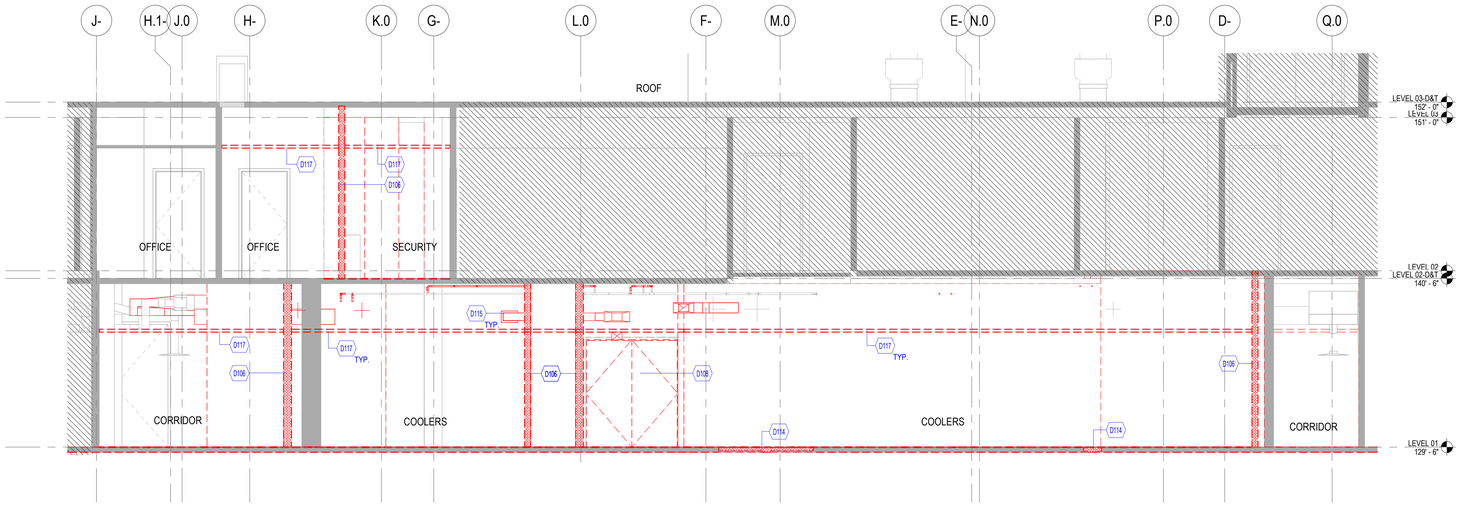
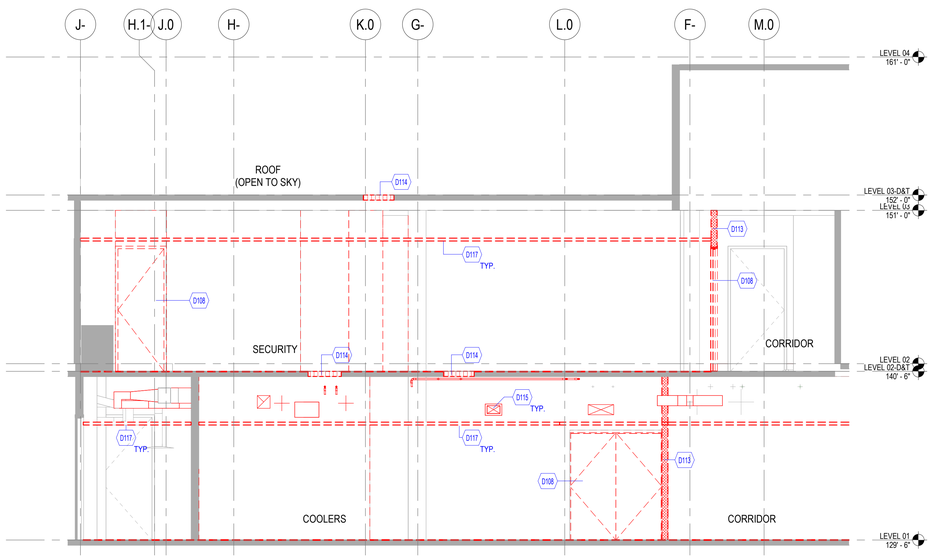
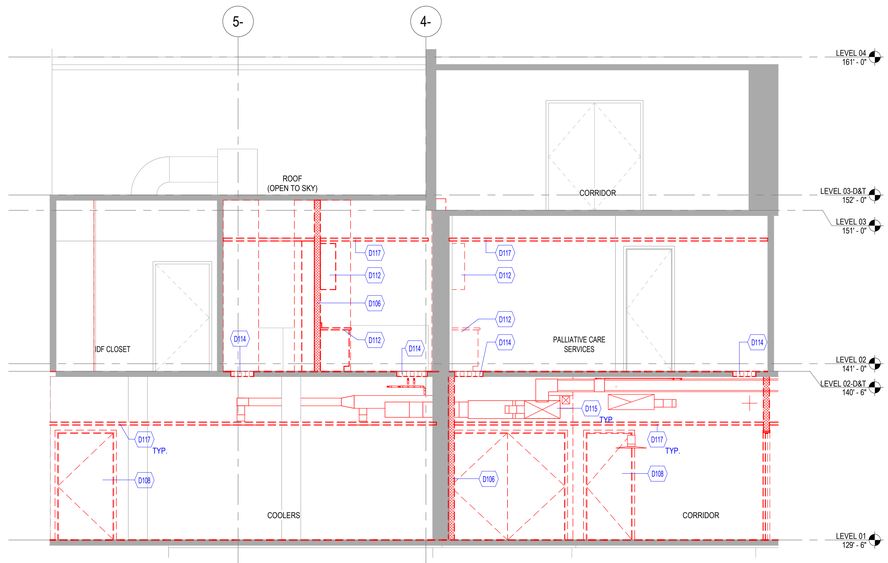


3 DEMO SECTION - THROUGH SS TROUGH
SCALE 1/4" = 1'-0"



2 DEMO SECTION - NEW DUCT PENETRATION AT L.3 ROOF
SCALE 1/4" = 1'-0"



1 DEMO SECTION - THROUGH NEW SHAFT PENETRATIONS AT L.02
SCALE 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET A00-01 FOR GENERAL PROJECT NOTES.
2. MATERIAL SYMBOLS ON ELEVATIONS ARE TO DISPLAY THE EXTENT OF THE MATERIAL ONLY. THEY ARE NOT TO SCALE.

LEGEND

X" - X"*	REFER STRUCTURE FOR DIMENSION
	CONSTRUCTION TO BE REMOVED
	NOT IN CONTRACT
	AREA OUT OF ARCHITECTURAL SCOPE FOR CURRENT PHASE. (BUT REFER TO OTHER DISCIPLINE DEMOLITION DOCUMENTS FOR ADDITIONAL WORK)
	FLOOR SLAB TO BE REMOVED WITHIN AREA INDICATED. REFER MECHANICAL, PLUMBING AND STRUCTURE.
	WALL TO BE REMOVED WITHIN AREA INDICATED
	FLOOR FINISH TO BE REMOVED WITHIN AREA INDICATED
EX	EXISTING TO REMAIN
ED	EXISTING TO BE DEMOLISHED
ES	EXISTING TO BE SALVAGED
	EXISTING CONSTRUCTION TO REMAIN
	NEW NON-RATED CONSTRUCTION
	EXISTING 1HR FIRE BARRIER
	EXISTING 2HR FIRE BARRIER

DEMOLITION PLAN KEYNOTES

	<<< Indicates Sheet Keynote on Plan
D106	EXISTING INTERIOR PARTITION TO BE DEMOLISHED.
D108	EXISTING DOOR, FRAME AND HARDWARE TO BE DEMOLISHED.
D112	EXISTING OFFICE FURNITURE TO BE SALVAGED AND REUSED. DETAILS TO BE COORDINATED WITH OWNER.
D113	EXISTING INTERIOR PARTITION, WALL MOUNTED FIXTURES AND WALL PROTECTION ALONG CORRIDOR TO BE DEMOLISHED.
D114	SLAB TO BE DEMOLISHED WITHIN AREA INDICATED. REFER TO STRUCTURE AND FOOD SERVICE DRAWINGS FOR SIZING AND LOCATION.
D115	REFER TO MECHANICAL/ELECTRICAL AND PLUMBING DRAWINGS FOR DEMOLITION SCOPE WITHIN PLENUM
D117	EXISTING CEILING SYSTEM AND CEILING MOUNTED FIXTURES TO BE REMOVED.

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STATE OF WASHINGTON

MultiCare Good Samaritan Hospital Kitchen
401 15th Ave SE,
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MultiCare Good Samaritan Hospital

MULTICARE

PHASE 1 PERMIT SET 04.24.2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number	162433.000	

TITLE

DEMOLITION SECTIONS

SHEET NUMBER

A06-01

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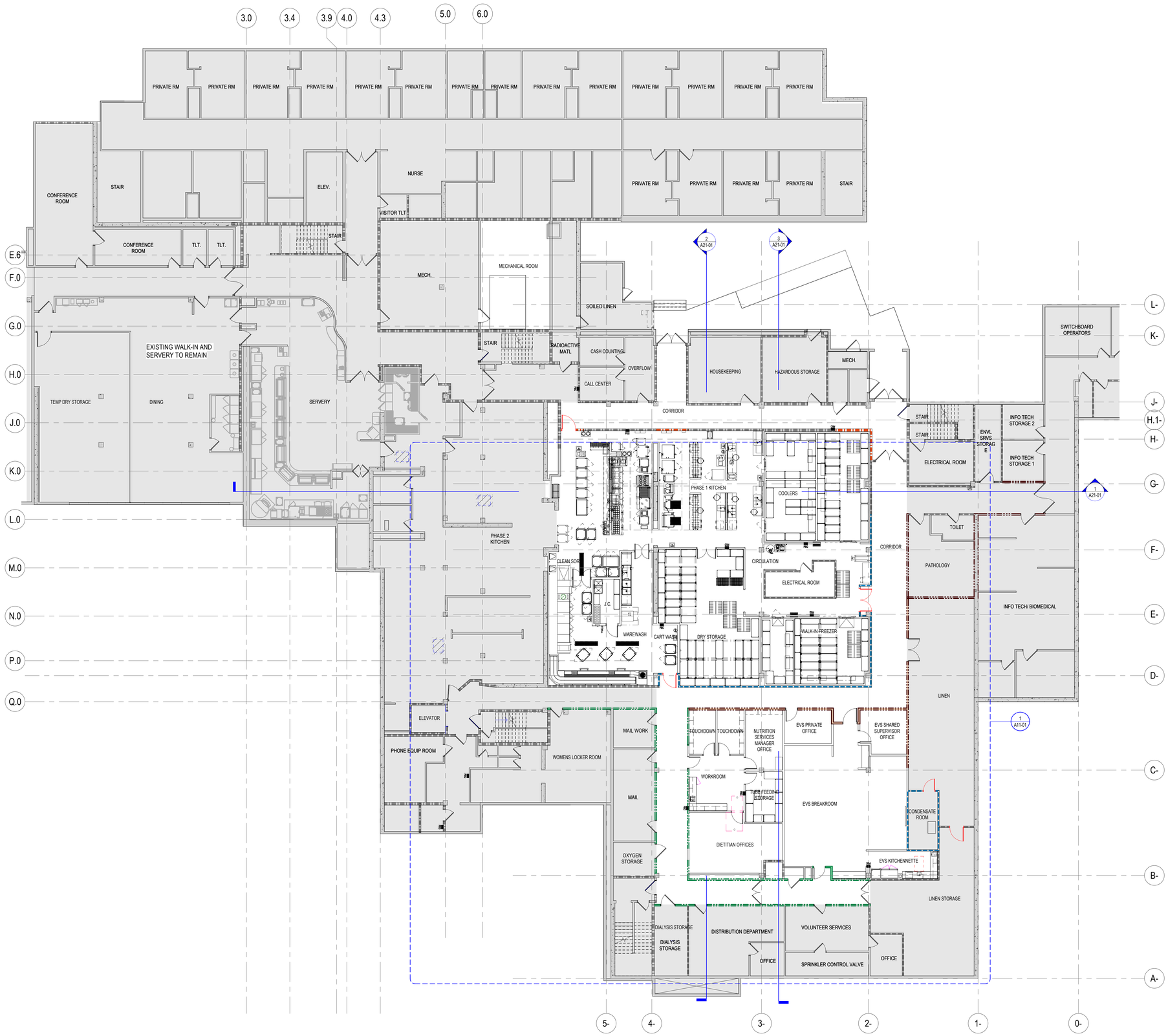

1 OVERALL LEVEL 01 - PHASE 1
SCALE 3/32" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. SEE THE A61 SERIES FOR PARTITION TYPES
2. ALL PARTITIONS ARE TYPE " A42 " UNLESS NOTED OTHERWISE
3. DOOR DIMENSIONS ARE TO EDGE OF DOOR LEAF UNLESS NOTED OTHERWISE.
4. FOR SWINGING DOORS, THE HINGE SIDE OF OF THE DOOR JAMB SHALL BE LOCATED 4" FROM THE ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE
5. ROOM NUMBERS ARE FOR CONSTRUCTION ONLY
6. EXISTING DOORS ARE TO BE SALVAGED FOR REINSTALLATION AT CORRESPONDING DOOR TAG LOCATIONS WHERE NOTED.
7. IF SALVAGED DOORS FOR FUTURE USE ARE NOT NEEDED TO BE RATED REMOVE RATED MARKINGS.
8. PARTITION DIMENSIONS ARE TO FACE OF GYPSUM BOARD UNLESS NOTED OTHERWISE.

FLOOR PLAN LEGEND

- NOT IN CONTRACT
- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION (CONTRACTOR TO VERIFY AND LOCATE ALL EXISTING AND NEW FIRE PARTITIONS PRIOR TO CONSTRUCTION. FIRE RATED PARTITIONS ARE NOT SHOWN ON THIS PLAN FOR CLARITY. REFERENCE SHEETS 10.01 AND 13.01 FOR FIRE RATED PARTITION LOCATIONS)
- 1-X-301.1 — DOOR TAG REF A 62 SERIES FOR DOOR SCHEDULE
- A11 — PARTITION TAG REF A61 SERIES FOR CHARTS
- FEC — FIRE EXTINGUISHER CABINET

FIRE & SMOKE RATING LEGEND

- 90 — DOOR FIRE RATING
- PARTITION FIRE RATING
- PARTITION SMOKE REQUIREMENT
- EXISTING CONSTRUCTION TO REMAIN
- NEW NON-RATED CONSTRUCTION
- EXISTING 1HR FIRE BARRIER
- EXISTING 2HR FIRE BARRIER
- NEW 1HR RATED FIRE BARRIER
- NEW 2HR RATED FIRE BARRIER
- SMOKE BARRIER
- SMOKE PARTITION
- RATED DOOR (RED)
- NON-RATED DOOR
- EXISTING DOOR

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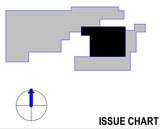
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number	162433.000	

TITLE

OVERALL FLOOR PLAN LEVEL 01

SHEET NUMBER

A10-01

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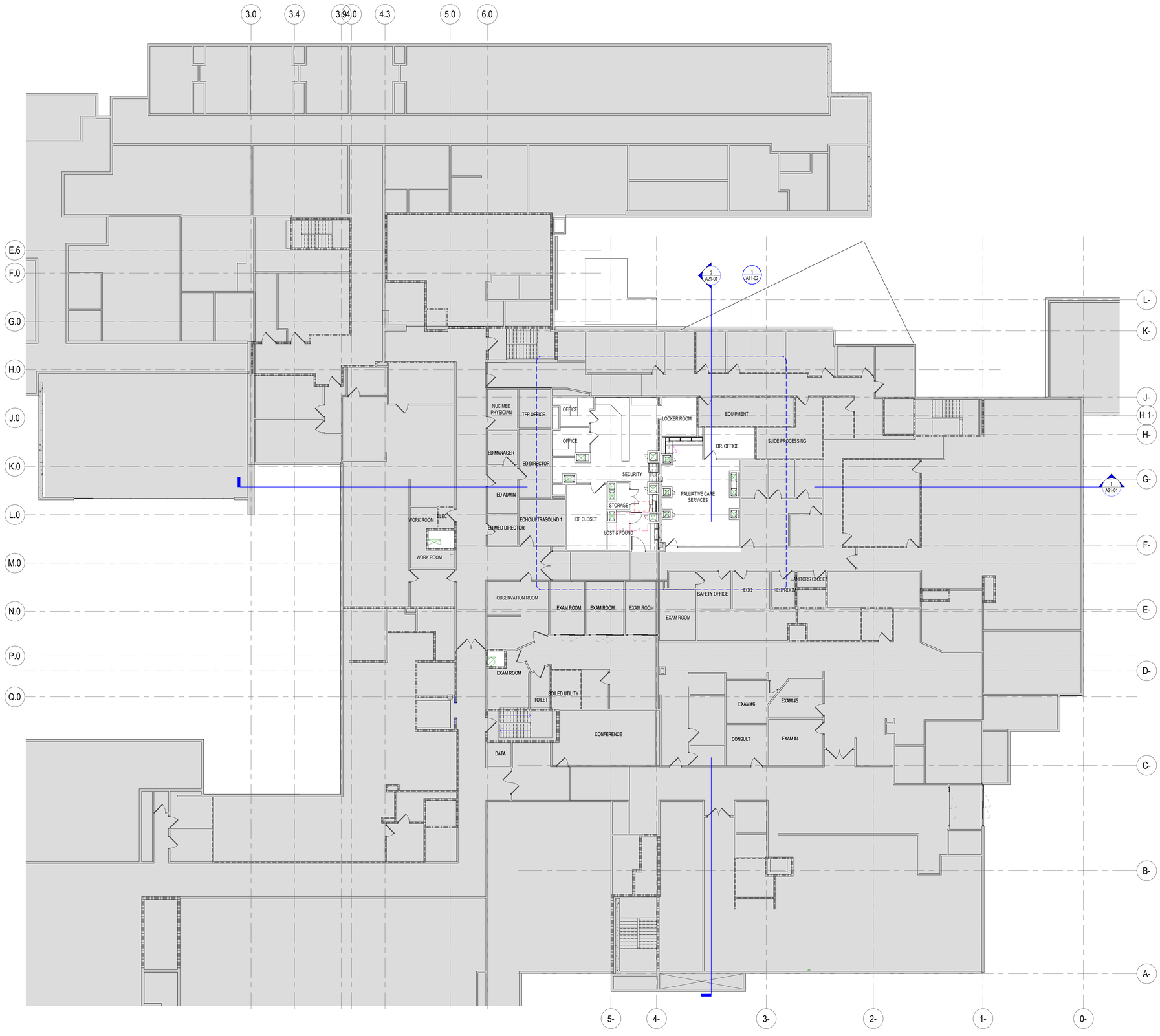

1 OVERALL FLOOR PLAN LEVEL 02
SCALE 3/32" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. SEE THE A61 SERIES FOR PARTITION TYPES
2. ALL PARTITIONS ARE TYPE " A42 " UNLESS NOTED OTHERWISE
3. DOOR DIMENSIONS ARE TO EDGE OF DOOR LEAF UNLESS NOTED OTHERWISE.
4. FOR SWINGING DOORS, THE HINGE SIDE OF OF THE DOOR JAMB SHALL BE LOCATED 4" FROM THE ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE
5. ROOM NUMBERS ARE FOR CONSTRUCTION ONLY
6. EXISTING DOORS ARE TO BE SALVAGED FOR REINSTALLATION AT CORRESPONDING DOOR TAG LOCATIONS WHERE NOTED.
7. IF SALVAGED DOORS FOR FUTURE USE ARE NOT NEEDED TO BE RATED REMOVE RATED MARKINGS.
8. PARTITION DIMENSIONS ARE TO FACE OF GYPSUM BOARD UNLESS NOTED OTHERWISE.

FLOOR PLAN LEGEND

NOT IN CONTRACT

EXISTING CONSTRUCTION TO REMAIN

NEW CONSTRUCTION (CONTRACTOR TO VERIFY AND LOCATE ALL EXISTING AND NEW FIRE PARTITIONS PRIOR TO CONSTRUCTION. FIRE RATED PARTITIONS ARE NOT SHOWN ON THIS PLAN FOR CLARITY. REFERENCE SHEETS 10-01 AND 12-01 FOR FIRE RATED PARTITION LOCATIONS)

1-X-301.1 DOOR TAG
REF A 62 SERIES FOR DOOR SCHEDULE

A11 PARTITION TAG
REF A61 SERIES FOR CHARTS

FEC FIRE EXTINGUISHER CABINET

FIRE & SMOKE RATING LEGEND

90 DOOR FIRE RATING
PARTITION FIRE RATING
PARTITION SMOKE REQUIREMENT

EXISTING CONSTRUCTION TO REMAIN

NEW NON-RATED CONSTRUCTION

EXISTING 1HR FIRE BARRIER

EXISTING 2HR FIRE BARRIER

NEW 1HR RATED FIRE BARRIER

NEW 2HR RATED FIRE BARRIER

SMOKE BARRIER

SMOKE PARTITION

RATED DOOR (RED)

NON-RATED DOOR

EXISTING DOOR

NOTE:
REFER TO MECHANICAL/ PLUMBING SHEETS FOR SCOPE ON LEVELS 03/04 AND 05

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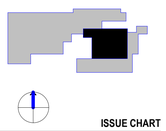
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

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OVERALL FLOOR PLAN LEVEL 02

SHEET NUMBER

A10-02

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1 FLOOR PLAN LEVEL 01 - PHASE 1
SCALE 3/16" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. SEE THE A61 SERIES FOR PARTITION TYPES
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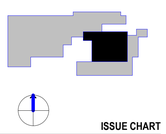

ISSUE CHART

MARK	ISSUE	DATE
Job Number		162433.000

TITLE

PARTIAL FLOOR PLAN LEVEL 01

SHEET NUMBER

A11-01

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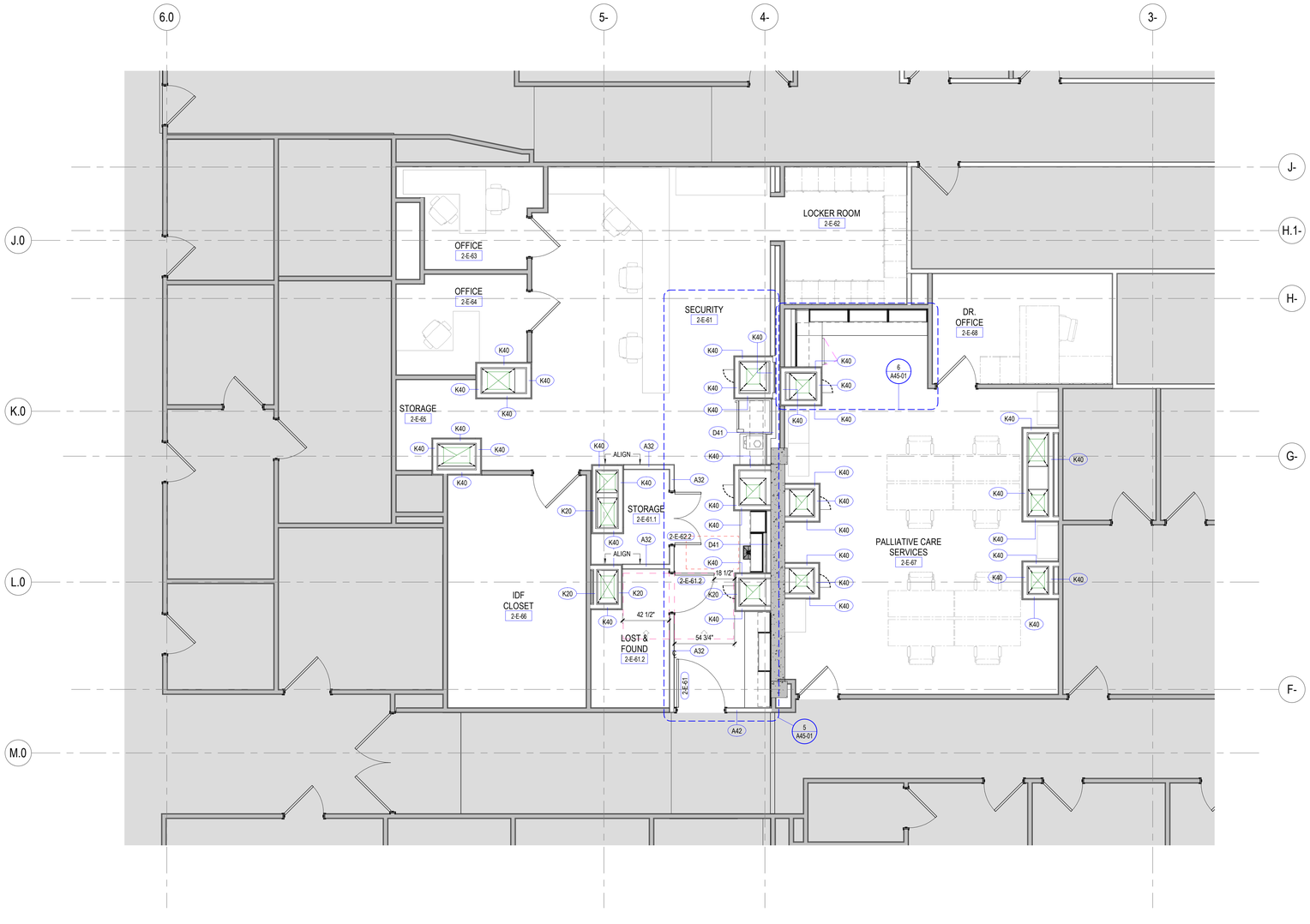

1 PARTIAL FLOOR PLAN LEVEL 02
SCALE 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. SEE THE A61 SERIES FOR PARTITION TYPES
2. ALL PARTITIONS ARE TYPE " A42 " UNLESS NOTED OTHERWISE
3. DOOR DIMENSIONS ARE TO EDGE OF DOOR LEAF UNLESS NOTED OTHERWISE.
4. FOR SWINGING DOORS, THE HINGE SIDE OF OF THE DOOR JAMB SHALL BE LOCATED 4" FROM THE ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE
5. ROOM NUMBERS ARE FOR CONSTRUCTION ONLY
6. EXISTING DOORS ARE TO BE SALVAGED FOR REINSTALLATION AT CORRESPONDING DOOR TAG LOCATIONS WHERE NOTED.
7. IF SALVAGED DOORS FOR FUTURE USE ARE NOT NEEDED TO BE RATED REMOVE RATED MARKINGS.
8. PARTITION DIMENSIONS ARE TO FACE OF GYPSUM BOARD UNLESS NOTED OTHERWISE.

FLOOR PLAN LEGEND

- NOT IN CONTRACT
- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION (CONTRACTOR TO VERIFY AND LOCATE ALL EXISTING AND NEW FIRE PARTITIONS PRIOR TO CONSTRUCTION. FIRE RATED PARTITIONS ARE NOT SHOWN ON THIS PLAN FOR CLARITY. REFERENCE SHEETS 10-01 AND 12-01 FOR FIRE RATED PARTITION LOCATIONS)
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FIRE & SMOKE RATING LEGEND

- 90 — DOOR FIRE RATING
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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

PARTIAL FLOOR PLAN LEVEL 02

SHEET NUMBER

A11-02

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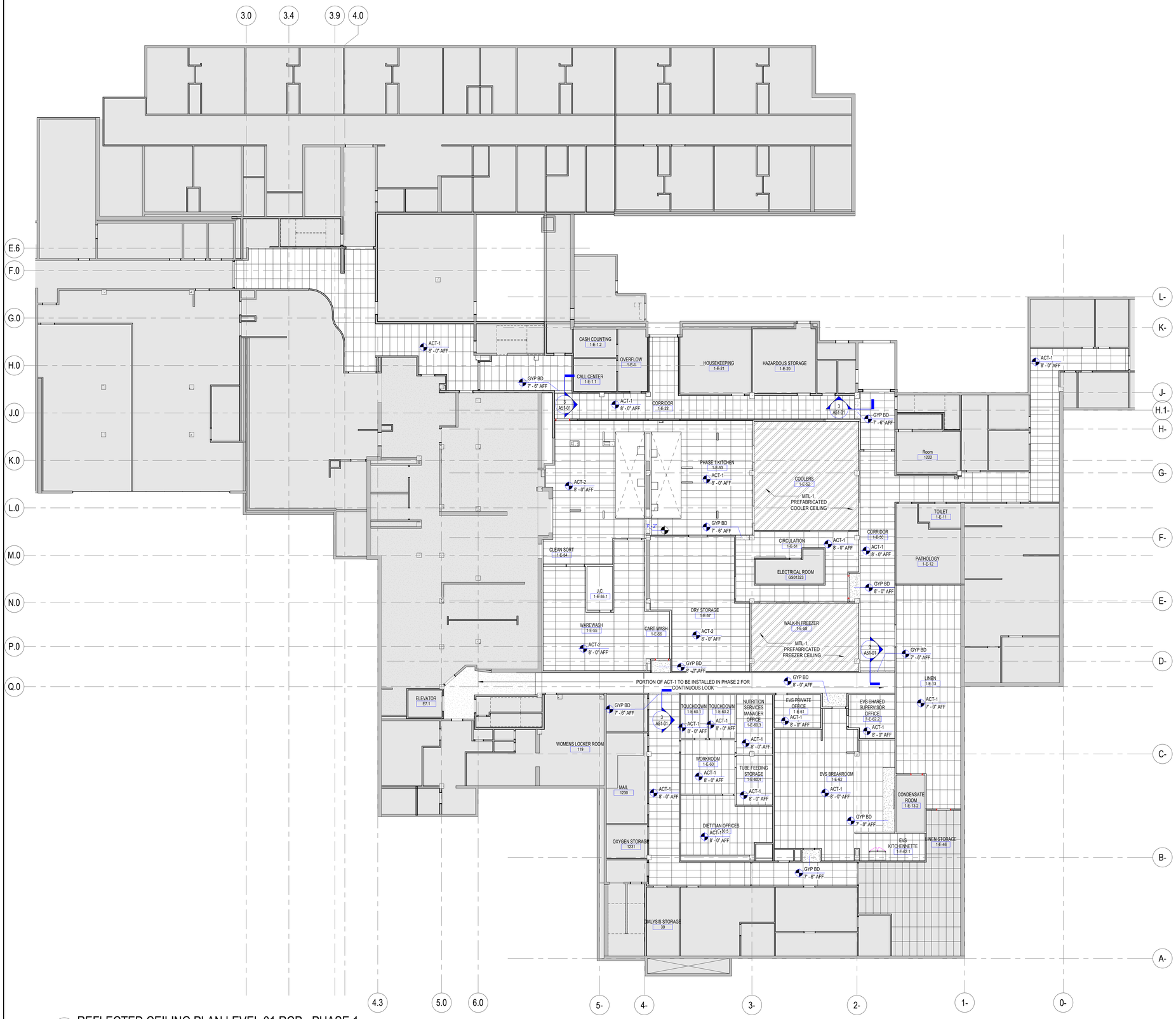

1 REFLECTED CEILING PLAN LEVEL 01 RCP - PHASE 1
SCALE 3/32" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

1. ALL CEILING HEIGHTS TO BE 9'-0", UNO.
2. ALL CEILINGS TO BE TYPE ACT-1, UNO.
3. GYPSUM BOARD CEILINGS AND SOFFITS TO BE PAINTED WITH P-2, UNO.
4. OPEN-TO-STRUCTURE AREAS (NO CEILING), INCLUDING OVERHEAD MEPFP SYSTEMS, SHALL BE PAINTED WITH P-2, UNO.
5. CENTER FIXTURES, DEVICES AND OTHER ELEMENTS IN ACOUSTIC PANEL(S) IN BOTH DIRECTIONS, UNLESS OTHERWISE NOTED.
6. LIGHTING FIXTURES ARE DIMENSIONED TO CENTER OF FIXTURE, UNLESS NOTED OTHERWISE.
7. LAY DIRECTIONAL PATTERN CEILING PANEL OR TILE ONE WAY WITH PATTERN AS INDICATED BY ARCHITECT UNLESS OTHERWISE NOTED.
8. LOCATE ACCESS PANELS AS INDICATED ON THE DRAWINGS. FOR ACCESS PANELS NOT SHOWN BUT REQUIRED BY PROVISIONS OF THE CONTRACT DOCUMENTS, LOCATE IN ACCORDANCE WITH APPLICABLE CODES. FIELD VERIFY LOCATION OF ACCESS PANELS, AND MARK ON SLAB FOR ARCHITECT'S REVIEW. ENSURE ALL ABOVE-CEILING MEPFP DEVICES WHICH MAY REQUIRE SERVICE OR MAINTENANCE ARE ACCESSIBLE.
9. ALL VISIBLE SURFACES, DEVICES AND EQUIPMENT INSIDE DUCTWORK OR SUPPLY/RETURN REGISTERS SHALL BE PAINTED NON-SPECULAR BLACK.
10. CEILING SUPPORT SYSTEMS ARE NOT DESIGNED OR INTENDED TO SUPPORT THE WEIGHT OF ADDITIONAL EQUIPMENT, CABLE, CONDUIT, LIGHTS, MECHANICAL EQUIPMENT OR OTHER CONSTRUCTION. SUPPORT THESE ITEMS INDEPENDENTLY FROM THE STRUCTURE ABOVE.
11. DO NOT HANG (SUPPORT) ANY ITEMS FROM METAL ROOF DECK..

LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION (CONTRACTOR TO VERIFY AND LOCATE ALL EXISTING AND NEW FIRE PARTITIONS PRIOR TO CONSTRUCTION. FIRE RATED PARTITIONS ARE NOT SHOWN ON THIS PLAN FOR CLARITY. REFERENCE SHEETS 10-01 AND 12-01 FOR FIRE RATED PARTITION LOCATIONS)
- NOT IN CONTRACT
- GYPSUM BOARD CEILING / SOFFIT
- ACOUSTICAL PANEL CEILING
- PROJECTOR
- EXIT SIGN
  - SHADED SIDE(S) INDICATE(S) LIT SIGN FACE
  - SYMBOL ARROWS INDICATE CHEVRON DIRECTIONAL ARROWS ON SIGN FACE(S)
- XXX-X / 1' - 0" AFF — CEILING MATERIAL CODE (REFER TO FINISH SCHEDULES); CEILING HEIGHT
- EX — EXISTING FIXTURE TO REMAIN
- ER — EXISTING FIXTURE TO BE RELOCATED
- WT# # — WINDOW TREATMENT - REFER TO FINISH SCHEDULE AND LEGEND
- CJ — GYPSUM BOARD CONTROL JOINT

REFLECTED CEILING PLAN KEYNOTES

<<< Indicates Sheet Keynote on Plan

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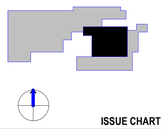
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

REFLECTED CEILING PLAN LEVEL 01

SHEET NUMBER

A12-01

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1 PARTIAL RCP LEVEL 02
SCALE 1/4" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

1. ALL CEILING HEIGHTS TO BE 9'-0", UNO.
2. ALL CEILINGS TO BE TYPE ACT-1, UNO.
3. GYPSUM BOARD CEILINGS AND SOFFITS TO BE PAINTED WITH P-2, UNO.
4. OPEN-TO-STRUCTURE AREAS (NO CEILING), INCLUDING OVERHEAD MEPFP SYSTEMS, SHALL BE PAINTED WITH P-2, UNO.
5. CENTER FIXTURES, DEVICES AND OTHER ELEMENTS IN ACOUSTIC PANEL(S) IN BOTH DIRECTIONS, UNLESS OTHERWISE NOTED.
6. LIGHTING FIXTURES ARE DIMENSIONED TO CENTER OF FIXTURE, UNLESS NOTED OTHERWISE.
7. LAY DIRECTIONAL PATTERN CEILING PANEL OR TILE ONE WAY WITH PATTERN AS INDICATED BY ARCHITECT UNLESS OTHERWISE NOTED.
8. LOCATE ACCESS PANELS AS INDICATED ON THE DRAWINGS. FOR ACCESS PANELS NOT SHOWN BUT REQUIRED BY PROVISIONS OF THE CONTRACT DOCUMENTS, LOCATE IN ACCORDANCE WITH APPLICABLE CODES. FIELD VERIFY LOCATION OF ACCESS PANELS, AND MARK ON SLAB FOR ARCHITECT'S REVIEW. ENSURE ALL ABOVE-CEILING MEPFP DEVICES WHICH MAY REQUIRE SERVICE OR MAINTENANCE ARE ACCESSIBLE.
9. ALL VISIBLE SURFACES, DEVICES AND EQUIPMENT INSIDE DUCTWORK OR SUPPLY/RETURN REGISTERS SHALL BE PAINTED NON-SPECULAR BLACK.
10. CEILING SUPPORT SYSTEMS ARE NOT DESIGNED OR INTENDED TO SUPPORT THE WEIGHT OF ADDITIONAL EQUIPMENT, CABLE, CONDUIT, LIGHTS, MECHANICAL EQUIPMENT OR OTHER CONSTRUCTION. SUPPORT THESE ITEMS INDEPENDENTLY FROM THE STRUCTURE ABOVE.
11. DO NOT HANG (SUPPORT) ANY ITEMS FROM METAL ROOF DECK..

LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION (CONTRACTOR TO VERIFY AND LOCATE ALL EXISTING AND NEW FIRE PARTITIONS PRIOR TO CONSTRUCTION. FIRE RATED PARTITIONS ARE NOT SHOWN ON THIS PLAN FOR CLARITY. REFERENCE SHEETS 10-01 AND 12-01 FOR FIRE RATED PARTITION LOCATIONS)
- NOT IN CONTRACT
- GYPSUM BOARD CEILING / SOFFIT
- ACOUSTICAL PANEL CEILING
- PROJECTOR
- EXIT SIGN
  - SHADED SIDE(S) INDICATE(S) LIT SIGN FACE
  - SYMBOL ARROWS INDICATE CHEVRON DIRECTIONAL ARROWS ON SIGN FACE(S)
- XXX-X — CEILING MATERIAL CODE (REFER TO FINISH SCHEDULES)
- 1' - 0" AFF — CEILING HEIGHT
- EX — EXISTING FIXTURE TO REMAIN
- ER — EXISTING FIXTURE TO BE RELOCATED
- WT#.# — WINDOW TREATMENT - REFER TO FINISH SCHEDULE AND LEGEND
- CJ — GYPSUM BOARD CONTROL JOINT

REFLECTED CEILING PLAN KEYNOTES

<<< Indicates Sheet Keynote on Plan

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MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

PARTIAL REFLECTED CEILING PLAN LEVEL 02

SHEET NUMBER

A12-02

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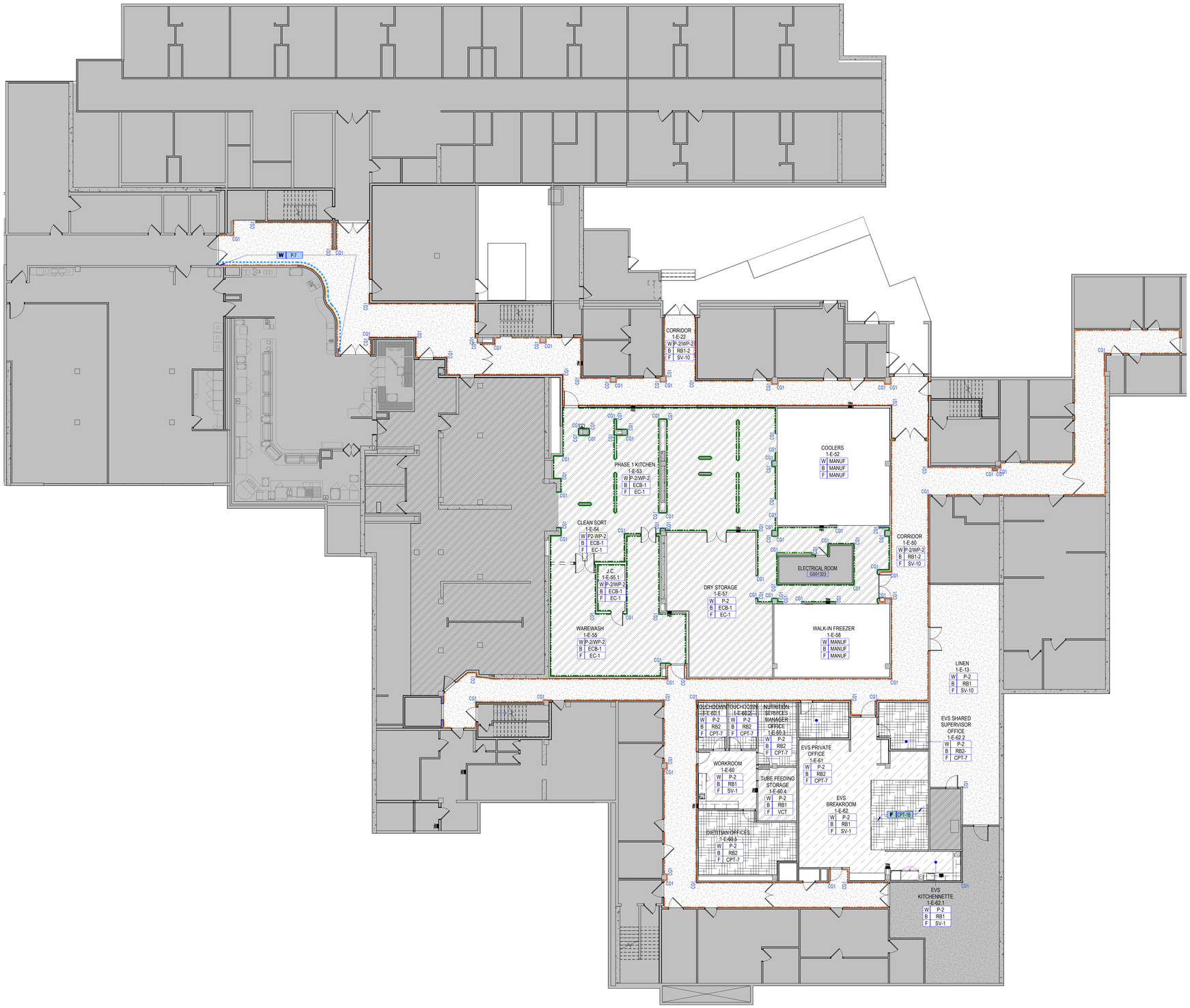

1 FINISH PLAN LEVEL 01
SCALE 3/32" = 1'-0"

INTERIOR FINISH PLAN GENERAL NOTES

1. REFER TO INTERIOR FINISH LEGEND IN A60 SERIES FOR INFORMATION.
2. SEE A50 SERIES FOR CASEWORK INFORMATION
3. ALL FINISHES INSIDE COAT AND STORAGE CLOSETS SHALL BE CONSISTENT WITH THE ADJACENT ROOM FINISHES, UNO. FLOOR COVERINGS SHALL CONTINUE FROM ADJACENT ROOM INTO CLOSETS
4. PROVIDE A FINISH AT ALL AREAS THAT ARE EXPOSED BEHIND MILLWORK, FILE CABINETS, PANELING, ETC. DUE TO REVEALS, JOINTS, END CONDITIONS, ETC.
5. SEE ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.

BASE:

6. NEW WALL BASE SHALL BE INSTALLED ON ALL NEW AND EXISTING WALLS AND COLUMNS, UNO.
7. RESILIENT WALL BASE AT ALL CARPETED AREAS SHALL BE STRAIGHT BASE, UNO. RESILIENT WALL BASE AT ALL HARD SURFACE FLOORS SHALL BE COVED BASE, UNO.

PAINT:

8. PAINT REVEALS AND FILER PANELS TO MATCH ADJACENT FINISHES, UNO.
9. PAINT EXPOSED ELECTRICAL RACEWAYS TO MATCH THE ADJACENT WALL SURFACE.
10. PROVIDE A PRIME PAINT COAT IN UNEXPOSED AREAS COVERED BY MILLWORK, PANELING, AND OTHER FIXED ARCHITECTURAL ELEMENTS UNO.
11. DOORS TO RECEIVE PAINT SHALL BE PAINTED TO MATCH THE ADJACENT WALL SURFACE, UNO.
12. HOLLOW METAL FRAMES SHALL BE PAINTED TO MATCH THE ADJACENT WALL SURFACE, UNO.
13. VISION LITE FRAMES SHALL BE PAINTED TO MATCH THE ADJACENT WALL SURFACE, UNO.
14. FIRE EXTINGUISHER CABINETS SHALL BE PAINTED TO MATCH ADJACENT WALL, UNO.
15. ACCESS PANELS SHALL BE PAINTED TO MATCH ADJACENT SURFACE.
16. GYPSUM BOARD SOFFITS ABUTTING A WALL SHALL BE PAINTED TO MATCH THE WALL. GYPSUM BOARD SOFFITS NOT ABUTTING A WALL SHALL BE PAINTED TO MATCH ADJACENT GYPSUM BOARD CEILING, IF APPLICABLE. GYPSUM BOARD SOFFITS ADJACENT TO ONLY ACOUSTICAL PANEL CEILINGS SHALL BE PAINTED

FLOORING:

17. FLOORING TRANSITIONS AT DOORWAYS SHALL BE ALIGNED WITH THE FACE OF THE FRAME'S STOP FACING THE DOOR.
18. REFER TO SHEET A60 SERIES FOR ADDITIONAL INFORMATION ON FLOORING TRANSITIONS.

LEGEND

DENOTES AREA "NOT IN CONTRACT"

MILLWORK

WALL PROTECTION

ROOM FINISH TAG

Name
101

W	XXX
B	XXX
F	XXX

ACCENT

WALL FINISH
WALL BASE FINISH
FLOOR FINISH

ACCENT FINISH PRESENT

FINISH TAG LEGEND

MATERIAL APPLICATION
W PNT1 — FINISH KEY

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

ACCENT FINISHES

ACCENT PAINT
WALL PROTECTION 52" AFF
WALL PROTECTION FULL HEIGHT

FINISH SYMBOLS

FLOOR FINISH TRANSITION

CG1 — CORNER GUARD TAG. REFER TO A** SERIES FOR INFORMATION.

WPX — WALL PROTECTION TAG. REFER TO A** SERIES FOR INFORMATION.

MATERIAL SEAM

MATERIAL PATTERN DIRECTION

PATTERN START POINT

FINISH PLAN KEYNOTES

<<< Indicates Sheet Keynote on Plan

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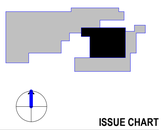
MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

FINISH PLAN LEVEL 01

SHEET NUMBER

A13-01

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1 PARTIAL FINISH PLAN LEVEL 02
SCALE 1/4" = 1'-0"

INTERIOR FINISH PLAN GENERAL NOTES

1. REFER TO INTERIOR FINISH LEGEND IN A60 SERIES FOR INFORMATION.
2. SEE A50 SERIES FOR CASEWORK INFORMATION
3. ALL FINISHES INSIDE COAT AND STORAGE CLOSETS SHALL BE CONSISTENT WITH THE ADJACENT ROOM FINISHES, UNO. FLOOR COVERINGS SHALL CONTINUE FROM ADJACENT ROOM INTO CLOSETS
4. PROVIDE A FINISH AT ALL AREAS THAT ARE EXPOSED BEHIND MILLWORK, FILE CABINETS, PANELING, ETC. DUE TO REVEALS, JOINTS, END CONDITIONS, ETC.
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PAINT:

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18. REFER TO SHEET A60 SERIES FOR ADDITIONAL INFORMATION ON FLOORING TRANSITIONS.

LEGEND

DENOTES AREA "NOT IN CONTRACT"

MILLWORK

WALL PROTECTION

ROOM FINISH TAG

Name
101
W XXX — WALL FINISH
B XXX — WALL BASE FINISH
F XXX — FLOOR FINISH
ACCENT — ACCENT FINISH PRESENT

FINISH TAG LEGEND

W PNT1 — MATERIAL APPLICATION; FINISH KEY

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

ACCENT FINISHES

ACCENT PAINT

WALL PROTECTION 52" AFF

WALL PROTECTION FULL HEIGHT

FINISH SYMBOLS

FLOOR FINISH TRANSITION

C01 — CORNER GUARD TAG. REFER TO A** SERIES FOR INFORMATION.

WPX — WALL PROTECTION TAG. REFER TO A** SERIES FOR INFORMATION.

MATERIAL SEAM

MATERIAL PATTERN DIRECTION

PATTERN START POINT

FINISH PLAN KEYNOTES

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PHASE 1 PERMIT SET 04.24.2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

PARTIAL FINISH PLAN LEVEL 02

SHEET NUMBER

A13-02

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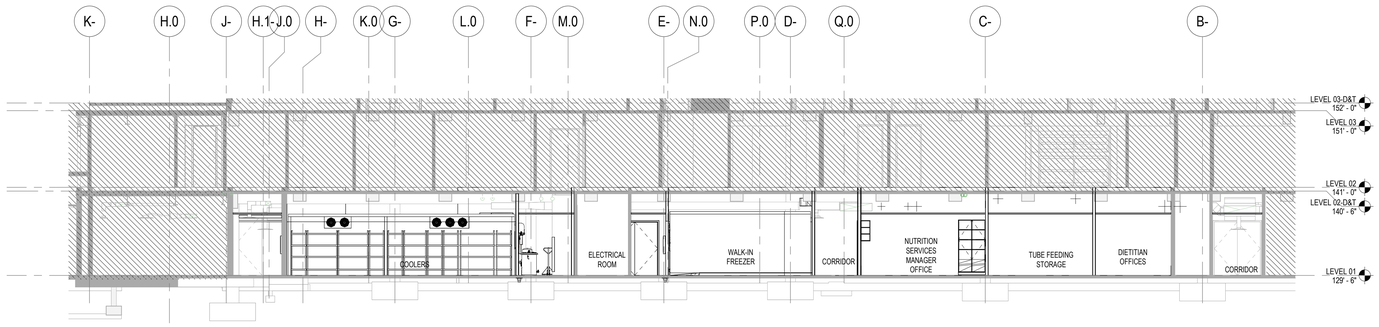
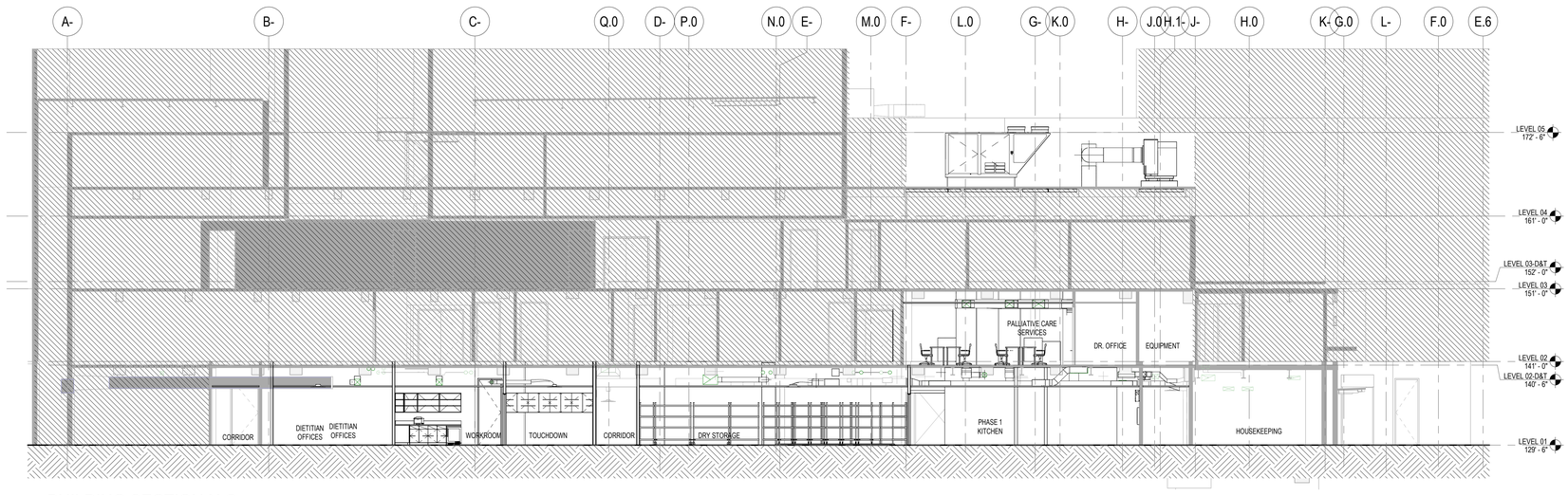
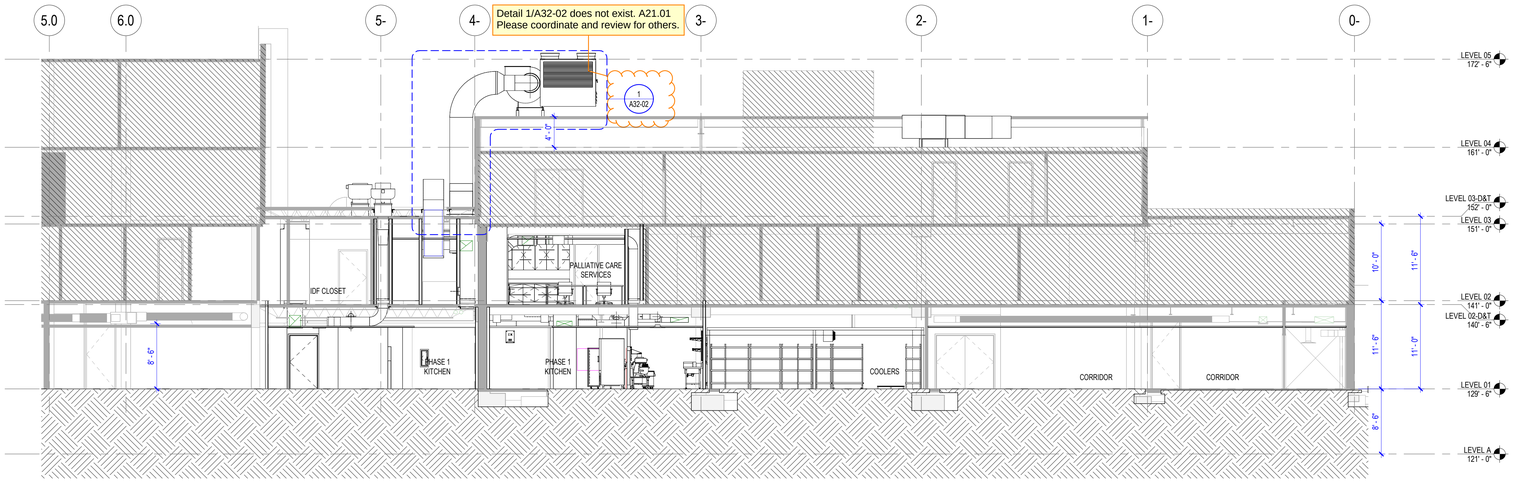


3 BUILDING SECTION N-S - 2
SCALE 1/8" = 1'-0"



2 BUILDING SECTION N-S
SCALE 1/8" = 1'-0"



1 SITE SECTION E-W
SCALE 1/8" = 1'-0"

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

BUILDING SECTIONS

SHEET NUMBER

A21-01

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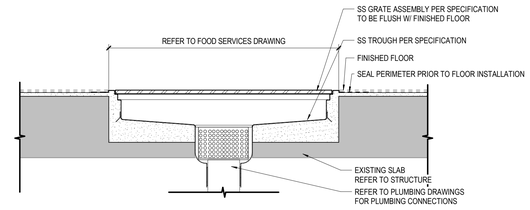
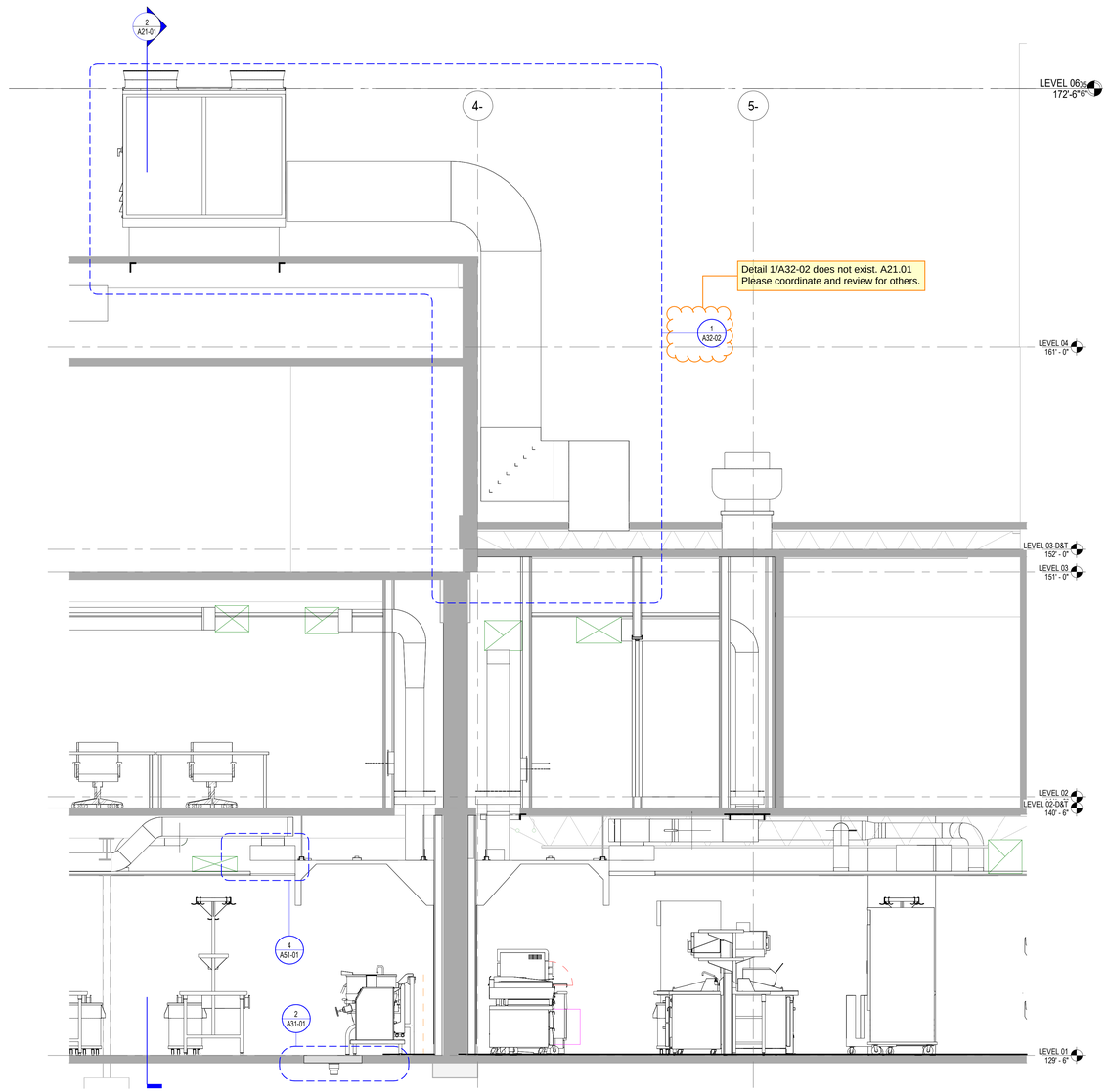


2 TYPICAL KITCHEN FLOOR TROUGH DETAIL
SCALE 1 1/2" = 1'-0"



1 SECTION THROUGH DUCTWORK
SCALE 3/8" = 1'-0"

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PHASE 1 PERMIT SET 04.24.2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

WALL SECTIONS

SHEET NUMBER

A31-01

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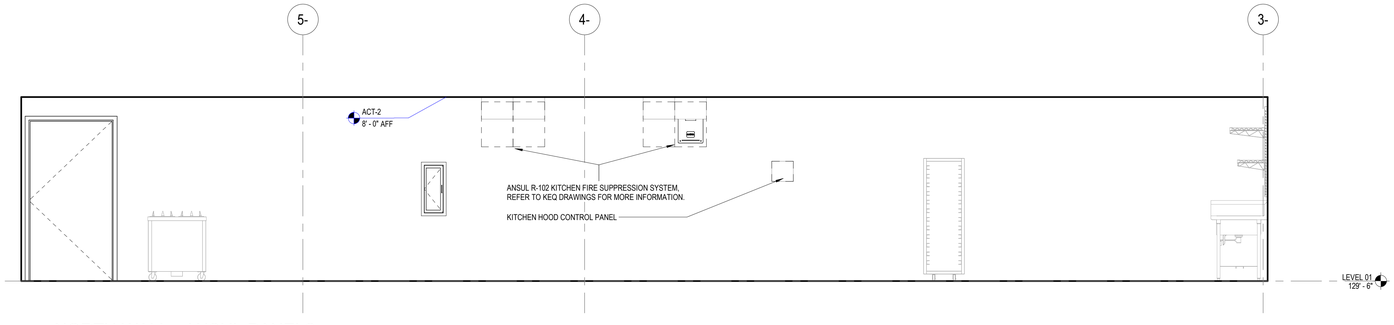

1 NORTH WALL - ANSUL PANELS
SCALE 3/8" = 1'-0"

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PHASE 1 PERMIT SET 04.24.2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

ENLARGED ELEVATION - LEVEL 01

SHEET NUMBER

A44-01

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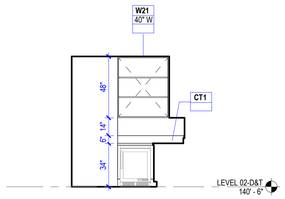
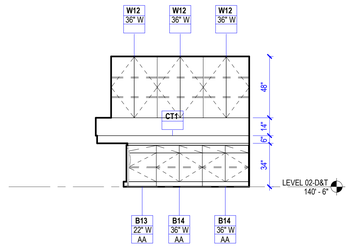
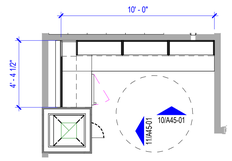


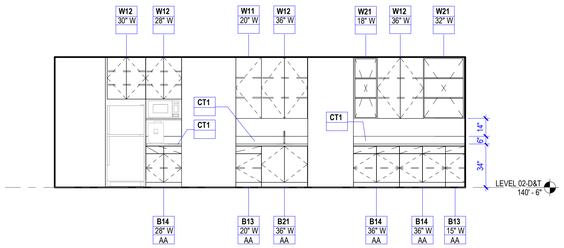
11 CASEWORK ELEVATION - PALLIATIVE CARE - WEST
1/4" = 1'-0"



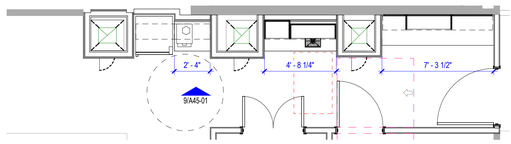
10 CASEWORK ELEVATION - PALLIATIVE CARE - NORTH
1/4" = 1'-0"



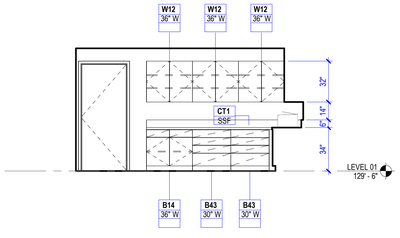
6 CASEWORK PLAN - PALLIATIVE CARE
1/4" = 1'-0"



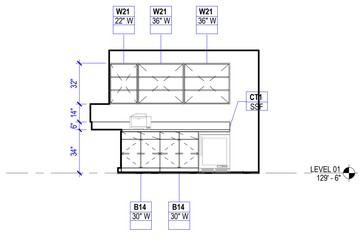
9 CASEWORK ELEVATION - SECURITY OFFICE KITCHENETTE - EAST
1/4" = 1'-0"



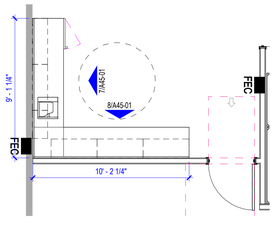
5 CASEWORK PLAN - SECURITY OFFICE KITCHENETTE
1/4" = 1'-0"



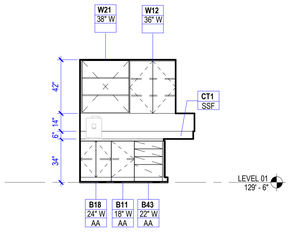
8 CASEWORK ELEVATION - NUTRITION OFFICE - SOUTH
1/4" = 1'-0"



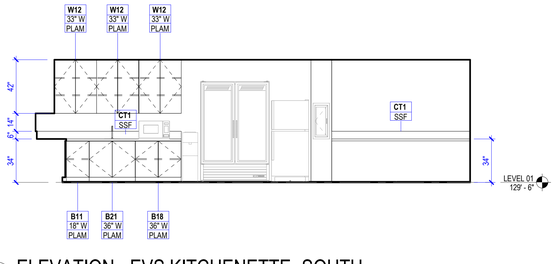
7 CASEWORK ELEVATION - NUTRITION OFFICE - WEST
1/4" = 1'-0"



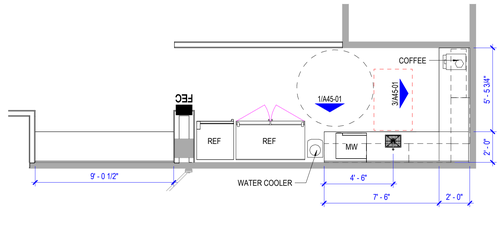
4 CASEWORK PLAN - NUTRITION OFFICE
1/4" = 1'-0"



3 ELEVATION - EVS KITCHENETTE- EAST
1/4" = 1'-0"



1 ELEVATION - EVS KITCHENETTE- SOUTH
1/4" = 1'-0"



2 CASEWORK PLAN - EVS KITCHENETTE
1/4" = 1'-0"

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6712
REGISTERED ARCHITECT
BRAD HUNTHORNE
STATE OF WASHINGTON

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

MultiCare Good Samaritan Hospital

MULTICARE

PHASE 1 PERMIT SET 04.24.2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

CASEWORK PLANS AND ELEVATIONS

SHEET NUMBER

A45-01

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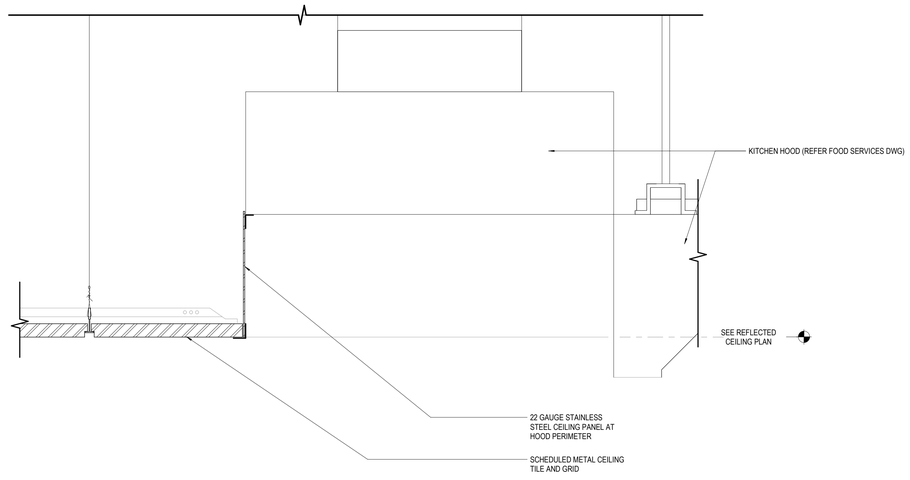
4/24/2025 5:51:00 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/ARCH-MultiCare-Kitchen-R25.rvt

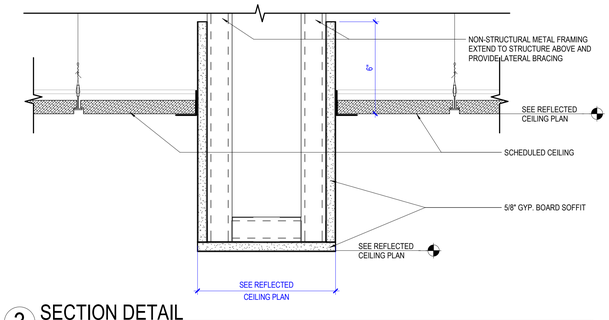
Please provide acoustical ceiling details for code compliance; not limited to wire ties, perimeter wires, boarders, seismic pods, seismic joints, diffuser anchorage/support, fixture anchorage/support, and other manufactures installation requirements. Typical. A51.01



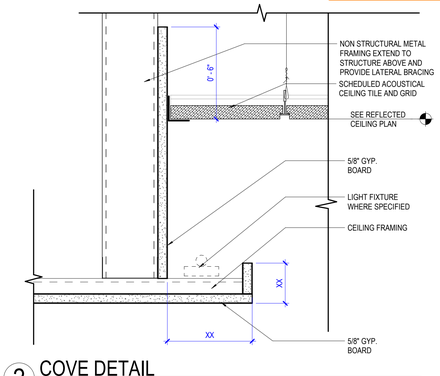
4 KITCHEN HOOD TRANSITION TO ACT
SCALE 3" = 1'-0"

Light gauge framing. Provide field details for fasteners, framing and bracing. Typical.

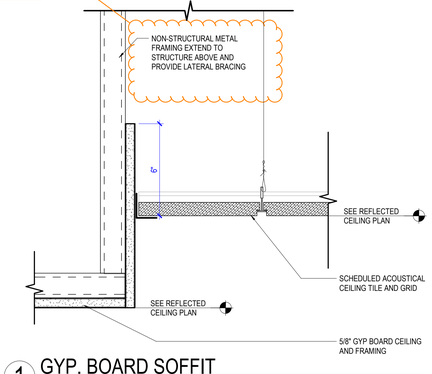
For Walls see S21-10.



3 SECTION DETAIL
SCALE 3" = 1'-0"



2 COVE DETAIL
SCALE 3" = 1'-0"



1 GYP. BOARD SOFFIT
SCALE 3" = 1'-0"

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BRAD HINTHORNE
STATE OF WASHINGTON

PHASE 1 PERMIT SET 04.24.2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number	162433.000	

TITLE

CEILING DETAILS

SHEET NUMBER

A51-01

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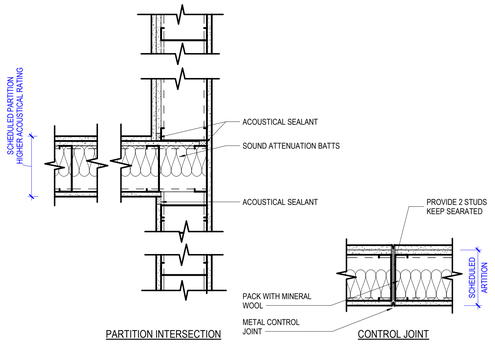
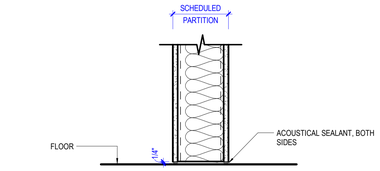
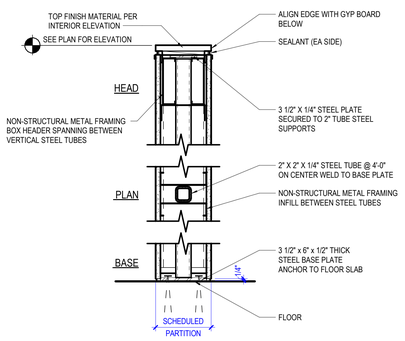


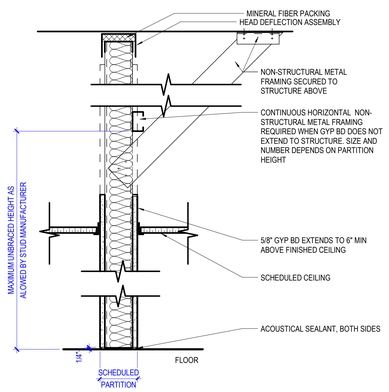
7 ACOUSTICAL PARTITION PLAN DETAILS
SCALE 1 1/2" = 1'-0"



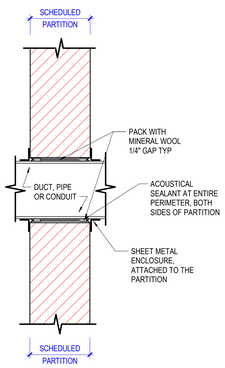
4 ACOUSTICAL PARTITION @ FLOOR
SCALE 1 1/2" = 1'-0"



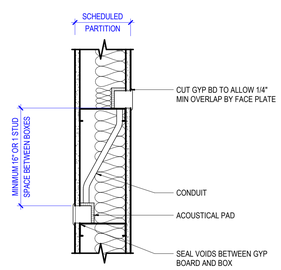
3 PARTIAL HEIGHT PARTITION SECTION
SCALE 1 1/2" = 1'-0"



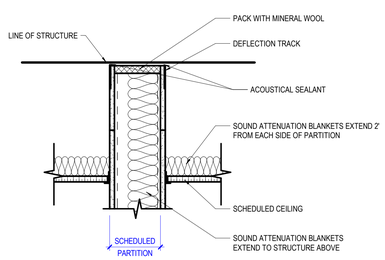
6 PARTITION SECTION
SCALE 1 1/2" = 1'-0"



2 ACOUSTICAL SLEEVE SECTION
SCALE 1 1/2" = 1'-0"



5 ACOUSTICAL PARTITION PLAN DETAIL
SCALE 1 1/2" = 1'-0"



1 ACOUSTICAL PARTITION @ CEILING
SCALE 1 1/2" = 1'-0"

INTERIOR PARTITION CHARTS GENERAL NOTES

PARTITION TYPE GENERAL NOTES

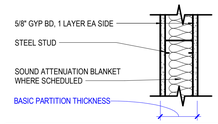
1. NOT ALL PARTITION TYPES SHOWN ARE UTILIZED.
2. PARTITION TYPE, FIRE-RESISTANCE RATING AND STC RATING INDICATED FOR A GIVEN PARTITION ARE TO BE CONTINUOUS FOR THE LENGTH AND HEIGHT OF THAT PARTITION UNLESS OTHERWISE NOTED.
3. CONSTRUCT FIRE-RESISTANCE RATED PARTITIONS BEFORE NON-RATED. ABUT NON-RATED PARTITIONS INTO RATED PARTITIONS.
4. ISOLATE NON-LOAD-BEARING FRAMING FROM STRUCTURAL ELEMENTS TO PREVENT THE TRANSFER OF LOAD TO PARTITION FRAMING. UNLESS OTHERWISE NOTED, STOP VERTICAL STUDS ½" BELOW TOP OF CEILING RUNNER (TOP TRACK) TO ALLOW FOR VERTICAL DEFLECTION. DO NOT ATTACH STUDS OR GYPSUM BOARD TO CEILING RUNNER (TOP TRACK). THIS MAY ALSO BE ACHIEVED BY UTILIZING PROPRIETARY SYSTEMS DESCRIBED IN THE SPECIFICATIONS.
5. PROVIDE DOUBLE-STUD FRAMING AT JAMBS OF ALL PARTITION OPENINGS.
6. WHERE CONTROL JOINTS ARE REQUIRED BASED UPON SPECIFIED FREQUENCY, AND ARE NOT SHOWN ON INTERIOR ELEVATIONS, LOCATE CONTROL JOINTS ON BOTH STRIKE AND HINGE SIDES OF DOORS. WHEN PROVIDING CONTROL JOINTS AT DOORS DOES NOT MEET THE SPECIFIED FREQUENCY, PROVIDE DOUBLE-STUD CONTROL JOINT CONSTRUCTION AND VERIFY LOCATION WITH THE ARCHITECT PRIOR TO PROCEEDING.
7. PROVIDE SHEET METAL BLOCKING/BACKING FOR WALL MOUNTED ITEMS SPECIFIED OR SHOWN IN THE DRAWINGS..

FIRE-RESISTANCE RATED PARTITIONS (THE FOLLOWING NOTES APPLY TO ALL PARTITIONS INDICATED TO HAVE A FIRE-RESISTANCE RATING.)

1. PROVIDE PERMANENTLY STENCILED IDENTIFICATION ABOVE THE CEILING WITHIN 15 FEET OF EACH END OF THE PARTITION AND AT INTERVALS NOT EXCEEDING 30 FEET HORIZONTALLY ALONG THE LENGTH OF THE PARTITION. THE IDENTIFICATION TEXT SHALL BE A MINIMUM 3" HIGH WITH A MINIMUM OF 3/8" STROKE IN A CONTRASTING COLOR AND READ AS FOLLOWS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS.
2. FIRE-RESISTANCE RATED PARTITIONS SHALL BE CONSTRUCTED FROM THE TOP OF NON-FINISHED FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF STRUCTURE ABOVE.
3. THROUGH-PENETRATIONS IN FIRE-RESISTANCE RATED PARTITIONS SHALL BE SEALED WITH MATERIALS AND ASSEMBLIES NECESSARY TO MAINTAIN THE REQUIRED FIRE-RESISTANCE RATING.

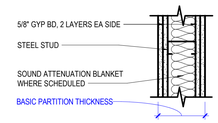
ACOUSTICAL PARTITIONS (THE FOLLOWING NOTES APPLY TO ALL PARTITIONS DESIGNATED TO HAVE EITHER SOUND ATTENUATION BLANKETS OR A SOUND TRANSMISSION CLASS (STC) RATING.)

1. SEAL PARTITIONS AT ENTIRE PERIMETER WITH NON-HARDENING ACOUSTICAL SEALANT.
2. SOUND ATTENUATION BLANKETS ARE TO FILL THE DEPTH OF THE FRAMING CAVITY UNLESS OTHERWISE NOTED.
3. DO NOT COMPRESS SOUND ATTENUATION BLANKETS AT BLOCKING OR RECESSED ITEMS.
4. SEAL ALL WALL INTERSECTIONS AND CONTROL JOINTS WITH NON-HARDENING ACOUSTICAL SEALANT.
5. SEAL ALL CONDUIT, STRUCTURAL, DUCT AND PIPE PENETRATIONS WITH NON-HARDENING ACOUSTICAL SEALANT.
6. PROVIDE ACOUSTICAL PADS AROUND ANY ITEMS PENETRATING THE FACE OF PARTITION, INCLUDING ELECTRICAL AND TECHNOLOGY JUNCTION OR DEVICE BOXES.
7. ELECTRICAL/TECHNOLOGY BOXES ON OPPOSITE SIDES OF A PARTITION ARE TO BE SEPARATED BY A MINIMUM OF 1 STUD SPACE.



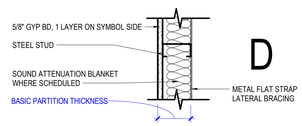
A

	A1_	STC	A2_	STC	A3_	STC	A4_	STC	A5_	STC	A6_	STC	A7_	STC	A8_	STC
1-HR RATED WITH GYP BD TO STRUCTURE ABOVE			A20	47	A30	40	A40	47	A50		A60		A70		A80	49
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	A11		A21	47	A31	40	A41	47	A51		A61		A71		A81	49
NON-RATED WITH GYP BD TO 6" ABOVE CEILING	A12		A22		A32		A42		A52		A62		A72		A82	
NON-RATED WITH STUDS & GYP BD TO FINISHED CEILING	A13		A23		A33		A43		A53		A63		A73		A83	
STUD SIZE	2 1/2"		2 1/2"		3 5/8"		3 5/8"		4"		4"		6"		6"	
BASIC PARTITION THICKNESS	3 3/4"		3 3/4"		4 7/8"		4 7/8"		5 1/4"		5 1/4"		7 1/4"		7 1/4"	
ACOUSTICAL INSULATION	-		YES		-		YES		-		YES		-		YES	
FIRE TEST NUMBER	-		UL DES U494		UL DES U465		UL DES U465		UL DES U465		UL DES U465		UL DES U465		UL DES U465	



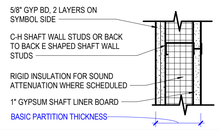
C

	C1_	STC	C2_	STC	C3_	STC	C4_	STC	C5_	STC	C6_	STC	C7_	STC	C8_	STC
2-HR RATED WITH GYP BD TO STRUCTURE ABOVE	C10		C20	55	C30	48	C40	56	C50		C60		C70		C80	57
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	C11		C21	55	C31	48	C41	56	C51		C61		C71		C81	57
STUD SIZE	2 1/2"		2 1/2"		3 5/8"		3 5/8"		4"		4"		6"		6"	
BASIC PARTITION THICKNESS	5"		5"		6 1/8"		6 1/8"		6 1/2"		6 1/2"		8 1/2"		8 1/2"	
ACOUSTICAL INSULATION	-		YES		-		YES		-		YES		-		YES	
FIRE TEST NUMBER	UL DES U411		UL DES U411		UL DES U411		UL DES U411		UL DES U411		UL DES U411		UL DES U411		UL DES U411	



D

	D1_	STC	D2_	STC	D3_	STC	D4_	STC	D5_	STC	D6_	STC	D7_	STC	D8_	STC	D9_	STC
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	D11		D21		D31		D41	34	D51		D61		D71		D81	37	D91	
NON-RATED WITH GYP BD TO 6" ABOVE CEILING	D12		D22		D32		D42		D52		D62		D72		D82		D92	
NON-RATED WITH STUDS & GYP BD TO FINISHED CEILING	D13		D23		D33		D43		D53		D63		D73		D83		D93	
STUD SIZE	2 1/2"		2 1/2"		3 5/8"		3 5/8"		4"		4"		6"		6"		1 1/2"	
BASIC PARTITION THICKNESS	3 1/8"		3 1/8"		4 1/4"		4 1/4"		4 5/8"		4 5/8"		6 5/8"		6 5/8"		2 1/8"	
ACOUSTICAL INSULATION	-		YES		-		YES		-		YES		-		YES		YES	



K

	K1_	STC	K2_	STC	K3_	STC	K4_	STC	K5_	STC	K6_	STC
2-HR RATED SHAFT WALL	K10	39	K20	46	K30	43	K40	50	K50		K60	
STUD SIZE	2 1/2"		2 1/2"		4"		4"		6"		6"	
BASIC PARTITION	3 3/4"		3 3/4"		5 1/4"		5 1/4"		7 1/4"		7 1/4"	
ACOUSTICAL INSULATION	-		YES		-		YES		-		YES	
FIRE TEST NUMBER	UL DES U415 (B)		UL DES U415 (B)		UL DES U415 (B)		UL DES U415 (B)		UL DES U415 (B)		UL DES U415 (B)	

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MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		162433.000

TITLE

PARTITION TYPE CHARTS & DETAILS

SHEET NUMBER

A61-01

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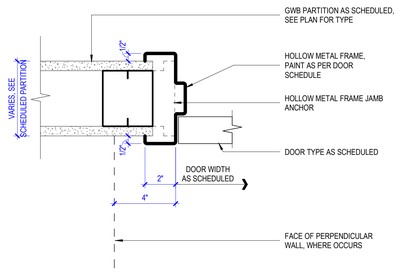
DOOR SCHEDULE - PHASE 1

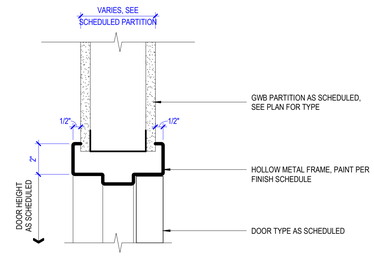
	MARK		DOOR						FRAME							
			SIZE									DETAILS				
LEVEL	DOOR NO	ROOM NAME	W	HT	THK	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	FIRE RATING	HARDWARE SET NUMBER	REMARKS
LEVEL 01	1-C-1	PHASE 1 KITCHEN	3' - 8"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01	45		PROVIDE RATING LABEL ON HINGE SIDE
LEVEL 01	1-E-13	LINEN	6' - 0"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-51	CORRIDOR	6' - 0"	7' - 0"	0' - 1 3/4"	NLNL	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01	45		PROVIDE RATING LABEL ON HINGE SIDE
LEVEL 01	1-E-54	CLEAN SORT	4' - 10"	7' - 0"	0' - 1 3/4"	NLNL	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-55	PHASE 1 KITCHEN	3' - 10"	7' - 0"	0' - 1 3/4"	NLNL	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-55.1	WAREWASH	3' - 0"	9' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-56	CORRIDOR	3' - 6"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01	45		PROVIDE RATING LABEL ON HINGE SIDE
LEVEL 01	1-E-57	DRY STORAGE	5' - 0"	7' - 0"	0' - 1 3/4"	NLNL	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-60	CORRIDOR	3' - 0"	9' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-60.1	TOUCHDOWN	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-60.2	WORKROOM	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-60.3	NUTRITION SERVICES MANAGER OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-60.4	TUBE FEEDING STORAGE	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-60.5	DIETITIAN OFFICES	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-61	EVS PRIVATE OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-62	EVS BREAKROOM	3' - 8"	9' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-62.1	EVS BREAKROOM	3' - 0"	8' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 01	1-E-62.2	EVS BREAKROOM	3' - 0"	8' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			
LEVEL 02	2-E-61	SECURITY	3' - 8"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			CR
LEVEL 02	2-E-61.2	LOST & FOUND	3' - 0"	7' - 0"	0' - 1 3/4"	F	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			CR
LEVEL 02	2-E-62.2	STORAGE	4' - 0"	7' - 0"	0' - 1 3/4"	FF	HM	P-2	1	HM	P-2	1/A62-01	2/A62-01			

Please provide door hardware schedule and details. 62.01

DOOR HARDWARE SETS



2 HM - JAMB DETAIL
SCALE 3" = 1'-0"



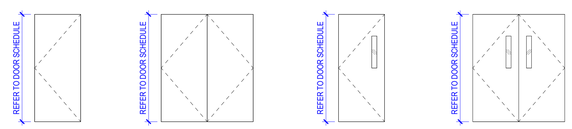
1 HM - HEAD DETAIL
SCALE 3" = 1'-0"

DOOR SCHEDULE GENERAL NOTES

1. GLAZING IN FIRE RESISTANCE RATED DOORS SHALL MATCH THE FIRE RESISTANCE RATING OF THE DOOR.
2. ALL DOORS TO HAVE BOXED HEADERS UNLESS STEEL CHANNELS ARE INDICATED IN THE REMARKS COLUMN OF THE DOOR SCHEDULE OR UNLESS OTHERWISE INDICATED BY HEAD DETAIL.
3. GLAZING IN DOORS SHALL BE CLEAR TEMPERED UNLESS NOTED OTHERWISE.

Please dimension light for code requirements. Note ICC A117.1 404.2.10 Vision lites. 43 inches maximum above the floor. See exception if applicable. A62.01

DOOR TYPES PHASE 1



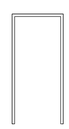
FLUSH SINGLE
F

FLUSH DOUBLE
FF

NARROW LIGHT SINGLE
NL

NARROW LIGHT DOUBLE
NLNL

FRAME TYPES PHASE 1



HM FRAME
1

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6712
REGISTERED ARCHITECT
BRAD HUNTHORNE
STATE OF WASHINGTON

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

MultiCare Good Samaritan Hospital

MULTICARE

PHASE 1 PERMIT SET 04.24.2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

DOOR SCHEDULE

SHEET NUMBER

A62-01

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FINISH LEGEND

TAG	LOCATION	TYPE	MFR	STYLE	COLOR/FINISH	SIZE	COMMENTS
CARPET							
CPT-1A		CARPET	MOHAWK GROUP	FORWARD VISION GT135	936 TECHNIQUE	24" X 24"	ASHLAR INSTALL PATTERN
CPT-1B		CARPET	MOHAWK GROUP	BRAIN POWER GT136	936 TECHNIQUE	24" X 24"	ASHLAR INSTALL PATTERN
CPT-2A		CARPET	MOHAWK GROUP	FORWARD VISION GT135	138 CRAFTINESS	24" X 24"	ASHLAR INSTALL PATTERN
CPT-2B		CARPET	MOHAWK GROUP	BRAIN POWER GT136	138 CRAFTINESS	24" X 24"	ASHLAR INSTALL PATTERN
CPT-3A		CARPET	MOHAWK GROUP	FORWARD VISION GT135	659 WORKMANSHIP	24" X 24"	ASHLAR INSTALL PATTERN
CPT-3B		CARPET	MOHAWK GROUP	BRAIN POWER GT136	659 WORKMANSHIP	24" X 24"	ASHLAR INSTALL PATTERN
CPT-4A		CARPET	MOHAWK GROUP	FORWARD VISION GT135	989 SKILL	24" X 24"	ASHLAR INSTALL PATTERN
CPT-4B		CARPET	MOHAWK GROUP	BRAIN POWER GT136	989 SKILL	24" X 24"	ASHLAR INSTALL PATTERN
CPT-5		CARPET	SHAW CONTRACT	SPACE WORX PRIMARY TILE 5T123	BROWN BARK 17500	24" X 24"	ASHLAR INSTALL PATTERN
CPT-6		CARPET	SHAW CONTRACT	SPACE WORX PRIMARY TILE 5T123	KHAKI 17761	24" X 24"	ASHLAR INSTALL PATTERN
CPT-7		CARPET	SHAW CONTRACT	SPACE WORX PRIMARY TILE 5T123	STORM CLOUD 17597	24" X 24"	ASHLAR INSTALL PATTERN
CPT-8		CARPET	SHAW CONTRACT	SPACE WORX PRIMARY TILE 5T123	DOVE GREY 17557	24" X 24"	ASHLAR INSTALL PATTERN
EPOXY COATING							
EC-1	KITCHEN	EPOXY COATING	STONGARD	STONCLAD	STEEL GREY		
ECB-1	KITCHEN	EPOXY COATING	STONGARD	STONCLAD	STEEL GREY	6"	INTEGRAL COVE BASE
PAINT							
P-1	GENERAL WALL	PAINT	RODDA	CUSTOM MATCH	BARRISTER WHITE #19-05-909		
P-2	GENERAL WALL, CEILING, SOFFITS	PAINT	RODDA	CUSTOM MATCH	BM OC-65 CHANTILLY LACE		
P-3	SECONDARY WALL	PAINT	RODDA		POLISHE MARBLE 0274		
P-4	GENERAL CEILING WITH P-1 AT WALL	PAINT	RODDA		BUNNY CAKE 0012		
P-5	ACCENT	PAINT	RODDA		DREAMING OF THE DAY 0470		
P-6	ACCENT	PAINT	RODDA		NORTH BEACH BLUE 0485		
P-7	ACCENT	PAINT	RODDA		GATES OF GOLD 0997		
P-8	GENERAL WALL, CEILING, SOFFITS	PAINT	RODDA		PERKY YELLOW 0926		
P-9	ACCENT	PAINT	RODDA		NEW FOLIAGE 0400		
P-10	ACCENT	PAINT	RODDA		SHARK FIN 0574		
P-11	ACCENT	PAINT	RODDA		GREYSTOKE 0575		
P-12	ACCENT	PAINT	RODDA		DEEP LAGOON 0507		
P-13	ACCENT	PAINT	RODDA		DOWAGER 0442		
P-14	ACCENT	PAINT	RODDA		FLICKERING FLAME 1005		
P-15	ACCENT	PAINT	RODDA		SUNRISE HEAT 0920		
P-16	ACCENT	PAINT	RODDA		FERN GULLY 0436		
P-17	ACCENT	PAINT	RODDA		SANDY SHOES 0199		
P-18	ACCENT	PAINT	RODDA		RIVER GOD 0450		
PLASTIC LAMINATE							
PLAM-1		PLASTIC LAMINATE	FORMICA		PENCIL WOOD 7747-58		
PLAM-2		PLASTIC LAMINATE	FORMICA		PECAN WOODLINE 5883-58		
PLAM-3		PLASTIC LAMINATE	FORMICA		AMBER CHERRY 7919		
PLAM-4		PLASTIC LAMINATE	FORMICA		THERMO WALNUT 6402-58		
PLAM-5		PLASTIC LAMINATE	FORMICA		WALNUT RIFTWOOD 9283-NG		
PLAM-6		PLASTIC LAMINATE	WILSONART		SLATE GREY D91-60		
PLAM-7		PLASTIC LAMINATE	WILSONART		CRISP LINEN 4942-38		
PLAM-8		PLASTIC LAMINATE	WILSONART		CLASSIC LINEN 4943-38		
PLAM-9		PLASTIC LAMINATE	WILSONART		FLAX LINEN 4990-38		
PLAM-10		PLASTIC LAMINATE	WILSONART		CASUAL LINEN 4944-38		
RUBBER BASE							
RB1-2	GENERAL WALL BASE	RUBBER BASE	JOHNSONITE	COVE BASE	WHITE TO MATCH P-2	4"	
RB2		RUBBER BASE	JOHNSONITE	STRAIGHT BASE		4"	ASHLAR INSTALL PATTERN
SHEET VINYL							
SV-1		SHEET VINYL	TEKNOFLOR	FORESTSCAPES HPD	88060 LIGHT FAWN		
SV-2		SHEET VINYL	TEKNOFLOR	FORESTSCAPES HPD	88061 TANNED		
SV-3		SHEET VINYL	TEKNOFLOR	FORESTSCAPES HPD	88063 DAWN		
SV-4		SHEET VINYL	TEKNOFLOR	FORESTSCAPES HPD	88057 BUCK		
SV-5		SHEET VINYL	TEKNOFLOR	CLASSIC CUT HPD	MINK MUFFS CC43108		
SV-6		SHEET VINYL	TEKNOFLOR	CLASSIC CUT HPD	CANDIED WALNUT CC43104		
SV-7		SHEET VINYL	TEKNOFLOR	CLASSIC CUT HPD	TWEEDY CC43105		
SV-8		SHEET VINYL	TEKNOFLOR	CLASSIC CUT HPD	SMARTY PANTS CC43106		
SV-9		SHEET VINYL	BARE NAKED/TEKNOFLOR	CS COLLECTION	LATTE CS5507		
SV-10	BACK OF HOUSE	SHEET VINYL	BARE NAKED/TEKNOFLOR	CS COLLECTION	FRESH MACAROON CS5511		
SV-11		SHEET VINYL	BARE NAKED/TEKNOFLOR	CS COLLECTION	MOCHA CS5512		
SV-12		SHEET VINYL	MANNINGTON	BIOSPEC ARMOR	NORTHSTAR		
SV-13		SHEET VINYL	MANNINGTON	BIOSPEC ARMOR	FROSTWORK		
SV-14		SHEET VINYL	MANNINGTON	BIOSPEC ARMOR	GOLDEN HARVEST		
SOLID SURFACE							
SSF-1		SOLID SURFACE	CORIAN		<varies>		<varies>
SSF-2		SOLID SURFACE	CORIAN		BISQUE		
SSF-3		SOLID SURFACE	CORIAN		SAVANNAH		
SSF-4		SOLID SURFACE	CORIAN		RAFFIA		
SSF-5		SOLID SURFACE	CORIAN		DOVE		
SSF-6		SOLID SURFACE	CORIAN		FAWN		INTEGRAL SINKS ONLY
SSF-7		SOLID SURFACE	CORIAN		DEEP MINK		INTEGRAL SINKS ONLY
WALL PROTECTION							
WP-1		WALL PROTECTION	INPRO	SUEDE TEXTURE	ANTIQUE WHITE 0104		
WP-2		WALL PROTECTION	INPRO	SUEDE TEXTURE	FEATHER 0238		
WP-3		WALL PROTECTION	INPRO	SUEDE TEXTURE	CHAMOIS 0234		

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

CEILING SYSTEMS

TAG	TYPE	MFR	STYLE	COLOR / FINISH	COMMENT
ACT-1	2'x4' ACOUSTIC CEILING TILE SYSTEM	ARMSTRONG	ULTIMA, BEVELED TEGULAR, SILHOUETTE XL 9/16" 1/4" REVEAL	WHITE/ BLIZZARD WHITE	ACT-1
ACT-2	2'x4' ACOUSTIC CEILING TILE SYSTEM	ARMSTRONG	ULTIMA HEALTH ZONE, BEVELED TEGULAR, CLEAN ROOM 15/16"	WHITE/ BLIZZARD WHITE	STEEL SUSPENSION SYSTEM
ACT-3	2'x2' ACOUSTIC CEILING TILE SYSTEM	ARMSTRONG	ULTIMA, BEVELED TEGULAR, SILHOUETTE XL 9/16" 1/4" REVEAL		ACT-3
GYP BD	GYPSUM BOARD CEILING		PAINTED	P-2, UNO	REFER TO RCP
MTL-1	PREFABRICATED METAL CEILING		REFER TO KITCHEN DRAWINGS		PREFAB
SST-1	STAINLESS STEEL CEILING CLOSURE PANELS		REFER TO KITCHEN DRAWINGS		AT KITCHEN HOODS

FLOORING TRANSITION MATRIX

	CARPET	EPOXY FLOORING	RESILIENT FLOORING	CONCRETE
CARPET	ABUT FINISHES			
EPOXY FLOORING		ABUT FINISHES		
RESILIENT FLOORING			ABUT FINISHES	SCHLUTER RENO-U
CONCRETE				ABUT FINISHES

FLOORING TRANSITION NOTES:

1. METAL FLOORING TRANSITIONS SHALL BE **CLEAR ANODIZED ALUMINUM OR SATIN STAINLESS** FINISH.
2. COORDINATE HEIGHT OF FLOORING TRANSITION PRODUCTS WITH THICKNESSES OF CORRESPONDING FLOORING ASSEMBLIES.
3. REFER TO FINISH NOTES & PLAN ON A13 SERIES DRAWINGS FOR MORE INFORMATION.

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6712 REGISTERED ARCHITECT
BRAD HUNTHORNE
STATE OF WASHINGTON

PHASE 1 PERMIT SET 04.24.2025

MultiCare Good Samaritan Hospital Kitchen
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Puyallup,
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 162433.000

TITLE

FINISH SCHEDULE AND LEGEND

SHEET NUMBER

A64-01

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GENERAL NOTES

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

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

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

CONTRACT DRAWINGS / DIMENSIONS

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

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

DESIGN CRITERIA

VERTICAL LOADS

AREA	DESIGN DEAD LOAD	LIVE LOAD (1)	PARTITION LOAD	CONCENTRATED LOADS
ROOF	20 PSF	25 PSF		300#
OPERATING ROOMS AND LABORATORIES	90 PSF	60 PSF		
PATIENT ROOMS	90 PSF	40 PSF	20 PSF	
OFFICE	90 PSF	50 PSF	+15 PSF	2,000#
CORRIDORS (ABOVE 1ST FLR)	90 PSF	80 PSF		2,000#
CORRIDORS (1ST FLR)	90 PSF	100 PSF		2,000#
STAIRS	50 PSF	100 PSF		300#

(1) LIVE LOADS EXCEPT SNOW LOADS ARE REDUCED PER IBC SECTION 1607.12.

SNOW: (MINIMUM ROOF SNOW LOAD = 25 PSF)

Pg = 20 PSF = GROUND SNOW LOAD
Pf = 0.7CeCtIsPg = FLAT ROOF SNOW LOAD
Ps = CsPf = SLOPED ROOF SNOW LOAD
Is = 1.2 Ce = 1.0, Ct = 1.0, Cs = VARIES

LATERAL FORCES

WIND:

THE BUILDING MEETS THE CRITERIA TO USE THE "ENCLOSED, PARTIALLY ENCLOSED, AND OPEN BUILDING OF ALL HEIGHTS PROCEDURE" PER ASCE 7-16.

- EXPOSURE CATEGORY = B
- BASIC WIND SPEED, (3 SEC. GUST), V_{ULT} = 108 MPH
- RISK CATEGORY PER IBC TABLE 1604.5 = IV
- TOPOGRAPHIC FACTOR K_{ZT} = 1.0
- INTERNAL PRESSURE COEFFICIENT (ENCLOSED) = ± 0.18

SEISMIC: (ASCE 7-16)

THIS IS A LIMITED SCOPE REMODEL IN WHICH THE EXISTING LATERAL SYSTEM IS NOT BEING MODIFIED. SEISMIC PARAMETERS ARE LISTED FOR USE IN DETERMINING THE DEMANDS ON NON-STRUCTURAL COMPONENTS IN ACCORDANCE WITH CHAPTER 13 OF ASCE 7.

DESIGN SPECTRAL RESPONSE ACCELERATIONS S_{DS} = 1.014

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

FOUNDATION DESIGN CRITERIA

ALLOWABLE SOIL BEARING PRESSURE: 1500 PSF (ASSUMED)*

ACTIVE PRESSURE - RESTRAINED: 50 PCF +14H SEISMIC SURCHARGE (ASSUMED)
ACTIVE PRESSURE - UNRESTRAINED: 35 PCF +6H SEISMIC SURCHARGE (ASSUMED)
PASSIVE RESISTANCE: 200 PCF (INCLUDES F.O.S. ≥ 1.5) (ASSUMED)
COEFFICIENT OF FRICTION: .35 (INCLUDES F.O.S. ≥ 1.5) (ASSUMED)
*1/3 INCREASE ALLOWED FOR SEISMIC OR WIND LOADING

ALL FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH OR "STRUCTURAL BACKFILL". NATIVE EARTH BEARING SHALL BE SURFACE COMPACTED. AREAS OVER-EXCAVATED SHALL BE BACKFILLED WITH LEAN CONCRETE (f'c= 2000 PSI) OR "STRUCTURAL BACKFILL". AREAS DESIGNATED "STRUCTURAL BACKFILL" SHALL BE FILLED WITH APPROVED WELL-GRADED BANKRUN MATERIAL. MAXIMUM SIZE OF ROCK 4". FROZEN SOIL, ORGANIC MATERIAL AND DELETERIOUS MATTER NOT ALLOWED. COMPACT TO AT LEAST 95% OF ITS MAXIMUM DENSITY AS DETERMINED BY ASTM D1557. CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EXCAVATION TO AVOID DAMAGE TO BURIED LINES, TANKS, AND OTHER CONCEALED ITEMS. UPON DISCOVERY, DO NOT PROCEED WITH WORK UNTIL RECEIVING WRITTEN INSTRUCTIONS FROM ARCHITECT. A COMPETENT REPRESENTATIVE OF THE OWNER SHALL INSPECT ALL FOOTING EXCAVATIONS FOR SUITABILITY OF BEARING SURFACES PRIOR TO PLACEMENT OF REINFORCING STEEL. PROVIDE DRAINAGE AND DEWATERING AROUND ALL WORK TO AVOID WATER-SOFTENED FOOTINGS.

FREE DRAINING BACKFILL MATERIAL FOR RETAINING & BASEMENT WALLS

A CLEAN, FREE DRAINING, WELL GRADED GRANULAR MATERIAL CONFORMING TO ASTM D2487 GW OR SW WHOSE MAXIMUM PARTICLE SIZE DOES NOT EXCEED 3/4" AND WHOSE FINES CONTENT (MATERIAL PASSING THE NO. 200 SIEVE) DOES NOT EXCEED 5%,

WITH A MAXIMUM DUST RATIO $\frac{\text{\% PASSING U.S. NO. 200 SIEVE}}{\text{\% PASSING U.S. NO. 40 SIEVE}}$ = 2/3 MAX.

CONCRETE

CAST-IN-PLACE CONCRETE

CODES, SPECIFICATIONS, AND STANDARDS. CONCRETE WORK SHALL CONFORM TO THE FOLLOWING CODES, SPECIFICATIONS, AND STANDARDS, AND THE STANDARDS AND SPECIFICATIONS THEY REFERENCE. THE CONTRACTOR SHALL OBTAIN AND HAVE READILY AVAILABLE ON SITE THE LATEST VERSION OF THE "ACI MANUAL OF CONCRETE PRACTICE":

ACI:
1. ACI-117 'SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS AND COMMENTARY'.
2. ACI-301 'SPECIFICATIONS FOR CONCRETE CONSTRUCTION'.
3. ACI-302.1 'GUIDE TO CONCRETE FLOOR AND SLAB CONSTRUCTION'.
4. ACI-304 'GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE'.
5. ACI-305.1 'SPECIFICATIONS FOR HOT WEATHER CONCRETING'.
6. ACI-306.1 'STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING'.
7. ACI-308.1 'STANDARD SPECIFICATION FOR CURING CONCRETE'.
8. ACI-309 'GUIDE FOR CONSOLIDATION OF CONCRETE'.
9. ACI-311.4 'GUIDE FOR CONCRETE INSPECTION'.
10. ACI-315 'GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS'.
11. ACI-318 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE'.
12. ACI-506.2 'SPECIFICATION FOR SHOTCRETE'.
13. ACI 347 'GUIDE TO FORMWORK FOR CONCRETE'.
14. ACI 303 'GUIDE TO CAST-IN-PLACE ARCHITECTURAL CONCRETE PRACTICE'.

ASTM:
1. ASTM C33 'STANDARD SPECIFICATION FOR CONCRETE AGGREGATES'.
2. ASTM C94 'STANDARD SPECIFICATION FOR READY-MIX CONCRETE'.
3. ASTM C150 'STANDARD SPECIFICATION FOR PORTLAND CEMENT'.
4. ASTM C260 'STANDARD SPECIFICATION FOR AIR-ENTRAINED ADMIXTURES FOR CONCRETE'.
5. ASTM C309 'STANDARD SPECIFICATION FOR LIQUID MEMBRANE-FORMING COMPOUNDS FOR CURING CONCRETE'.
6. ASTM C494 'STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE'.
7. ASTM C595 'STANDARD SPECIFICATION FOR BLENDED HYDRAULIC CEMENTS'.
8. ASTM C618 'STANDARD SPECIFICATION FOR ... COAL-ASH...'.
9. ASTM C989 'STANDARD SPECIFICATION FOR SLAG...'.
10. ASTM C1017 'STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR USE IN PRODUCING FLOWING CONCRETE'.
11. ASTM C1116 'STANDARD SPECIFICATION FOR FIBER-REINFORCED CONCRETE'.
12. ASTM C1218 'STANDARD TEST METHOD FOR WATER-SOLUBLE CHLORIDE IN MORTAR AND CONCRETE'.
13. ASTM C1315 'STANDARD SPECIFICATION FOR LIQUID MEMBRANE-FORMING COMPOUNDS HAVING SPECIAL PROPERTIES FOR CURING AND SEALING CONCRETE'

MIX DESIGNS: THE CONTRACTOR SHALL DESIGN CONCRETE MIXES THAT MEET OR EXCEED THE REQUIREMENTS OF THE CONCRETE MIX TABLE. ALL CONCRETE MIXES SHALL BE NORMAL WEIGHT, UNLESS NOTED OTHERWISE. THE MIX DESIGNS SHALL FACILITATE ANTICIPATED PLACEMENT METHODS, WEATHER, REBAR CONGESTION, ARCHITECTURAL FINISHES, CONSTRUCTION SEQUENCING, STRUCTURAL DETAILS, AND ALL OTHER FACTORS REQUIRED TO PROVIDE A STRUCTURALLY SOUND, AESTHETICALLY ACCEPTABLE FINISHED PRODUCT. WATER REDUCING ADMIXTURES WILL LIKELY BE REQUIRED TO MEET THESE REQUIREMENTS. CONCRETE MIX DESIGNS SHALL CLEARLY INDICATE THE TARGET SLUMP. SLUMP TOLERANCE SHALL BE ± 1-1/2 INCHES.

LIGHTWEIGHT CONCRETE: SHALL CONFORM TO ASTM C330 AND ACI 211.2. LIGHTWEIGHT CONCRETE SHALL HAVE MAXIMUM DRY DENSITY OF 116 PCF AND A MINIMUM OF 90 PCF AT PLACEMENT.

AGGREGATE: COARSE AND FINE AGGREGATE SHALL CONFORM TO ASTM C33

CEMENT: CEMENT SHALL CONFORM TO ASTM C150, TYPE II PORTLAND CEMENT OR ASTM C595 - TYPE IL PORTLAND LIMESTONE CEMENT, UNLESS NOTED OTHERWISE. CEMENT IN CONCRETE EXPOSED TO EARTH SHALL BE TYPE II OR TYPE IL-MS.

FLYASH: SHALL CONFORM TO ASTM C618 CLASS C OR F, MAXIMUM LOSS OF IGNITION SHALL BE 1.0%.

SLAG: GROUND GRANULATED BLAST-FURNACE (GGBF) SLAG SHALL CONFORM TO ASTM C989 GRADE 100 OR 120.

ALTERNATE MIX DESIGNS: VARIATIONS TO THE MIX DESIGN PROPORTIONS MAY BE ACCEPTED IF SUBSTANTIATED IN ACCORDANCE WITH ACI 318, CHAPTER 19. PROVIDE SUBMITTALS A MINIMUM OF TWO WEEKS PRIOR TO BID FOR DETERMINATION OF ACCEPTABILITY.

ADMIXTURES: ADMIXTURES SHALL BE BY MASTER BUILDERS, W.R. GRACE, OR PRE-APPROVED EQUAL. ALL MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED.

WATER: SHALL BE CLEAN AND POTABLE.

MAXIMUM CHLORIDE CONTENT: THE MAXIMUM WATER SOLUBLE CHLORIDE CONTENT SHALL NOT EXCEED 0.15% BY WEIGHT OF CEMENTITIOUS MATERIAL UNLESS NOTED OTHERWISE.

CONCRETE EXPOSED TO WEATHER: PROVIDE 5.0% TOTAL AIR CONTENT FOR ALL CONCRETE EXPOSED TO WEATHER. TOTAL AIR CONTENT IS THE SUM OF ENTRAINED AIR PROVIDED BY ADMIXTURES AND NATURALLY OCCURRING ENTRAPPED AIR. AIR CONTENT SHALL BE TESTED PRIOR TO BEING PLACED IN THE PUMP HOPPER OR BUCKET; IT IS NOT REQUIRED TO BE TESTED AT THE DISCHARGE END OF THE PUMP HOSE. THE TOLERANCE ON ENTRAPPED AIR SHALL BE +2.0% AND -1.5% WITH THE AVERAGE OF ALL TESTS NOT LESS THAN THE SPECIFIED AMOUNT.

SHOTCRETE: SHALL CONFORM TO IBC SECTION 1908.

TOTAL CEMENTITIOUS MATERIAL: THE SUM OF ALL CEMENT PLUS FLYASH AND SLAG. AT THE CONTRACTORS OPTION FLYASH OR SLAG MAY BE SUBSTITUTED FOR CEMENT BUT SHALL NOT EXCEED 25% BY WEIGHT OF TOTAL CEMENTITIOUS MATERIAL. IN NO CASE SHALL THE AMOUNT OF FLYASH OR SLAG BE LESS THAN REQUIRED BY THE CONCRETE MIX DESIGN TABLE. FOOTING MIXES SHALL CONTAIN NOT LESS THAN **5 SACKS** OF CEMENTITIOUS MATERIAL PER CUBIC YARD, ALL OTHER MIXES SHALL CONTAIN NOT LESS THAN **5-1/2 SACKS** OF CEMENTITIOUS MATERIAL PER CUBIC YARD, UNLESS NOTED OTHERWISE.

ITEM	DESIGN f'c (PSI) (AT 28 DAYS U.N.O.)	MAX. W/C RATIO	MIN. FLYASH OR SLAG (PCY)	AGGREGATE GRADING ASTM AASHTO	NOTES
SLABS ON GRADE - UNO	4000	0.45	100	57 OR 67	
FOUNDATIONS - UNO	3000	0.50	--	57 OR 67	
STEM WALLS AND OTHER WALLS EXPOSED TO EARTH OR WEATHER	4500	0.45	100	57 OR 67	
CONTROLLED DENSITY FILL (CDF)	200	--	--	SAND	1
ALL OTHER CONCRETE	4000	0.50	--	57 OR 67	

CONCRETE MIX NOTES:

1. SAND - CEMENT CONCRETE GROUT.

CONCRETE PLACEMENT

PLACE CONCRETE FOLLOWING ALL APPLICABLE ACI RECOMMENDATIONS. CONCRETE SHALL BE PROPERLY CONSOLIDATED PER ACI 309 USING INTERIOR MECHANICAL VIBRATORS, DO NOT OVER-VIBRATE. CONCRETE SHALL BE POURED MONOLITHICALLY BETWEEN CONSTRUCTION OR EXPANSION JOINTS. IF CONCRETE IS PLACED BY THE PUMP METHOD, HORSES SHALL BE PROVIDED TO SUPPORT THE HOSE, THE HOSE SHALL NOT BE ALLOWED TO RIDE ON THE REINFORCING. WEATHER FORECASTS SHALL BE MONITORED AND ACI RECOMMENDATIONS FOR HOT AND COLD WEATHER CONCRETING SHALL BE FOLLOWED AS REQUIRED. CONCRETE SHALL NOT FREE FALL MORE THAN 5 FEET DURING PLACEMENT WITHOUT WRITTEN APPROVAL OF STRUCTURAL ENGINEER.

COLD WEATHER PLACEMENT:

1. COLD WEATHER IS DEFINED BY ACI 306 AS "A PERIOD WHEN FOR MORE THAN 3 SUCCESSIVE DAYS THE MEAN DAILY TEMPERATURE DROPS BELOW 40° F."
2. NO CONCRETE SHALL BE PLACED ON FROZEN OR PARTIALLY FROZEN GROUND. THAWING THE GROUND WITH HEATERS IS PERMISSIBLE.
3. CONCRETE MIX TEMPERATURES SHALL BE AS SHOWN BELOW. HEATING OF WATER AND/OR AGGREGATES MAY BE REQUIRED TO ATTAIN THESE TEMPERATURES.
4. THE CONCRETE MAY REQUIRE PROTECTION FOR 4-7 DAYS AFTER POURING. IF TEMPERATURES REMAIN BELOW FREEZING, INSULATING BLANKET COVERAGE IS REQUIRED. IF TEMPERATURES ARE SLIGHTLY BELOW FREEZING (30° F MIN.) AT NIGHT AND ABOVE FREEZING DURING THE DAY, KRAFT PAPER WITH COMPLETE COVERAGE MAY BE USED IN LIEU OF INSULATED BLANKETS.
5. NO ADDITIVES CONTAINING CHLORIDES SHALL BE USED. USE "POZZUTEC 20+" BY MASTER BUILDERS OR "POLARSET" BY W.R. GRACE OR PRE-APPROVED EQUAL.

CONDITION OF PLACEMENT AND CURING		WALLS & SLABS	FOOTINGS
MIN. TEMP. FRESH CONCRETE AS MIXED FOR WEATHER INDICATED, DEGREES F.	ABOVE 30° F. 0° TO 30° F. BELOW 0° F.	60° 65° 70°	55° 60° 65°
MIN. TEMP. FRESH CONCRETE AS PLACED AND MAINTAINED, DEGREES F.		55°	50°
MAX. ALLOWABLE GRADUAL DROP IN TEMP. THROUGHOUT FIRST 24 HOURS AFTER END OF PROTECTION, DEGREES F.		50°	40°

HOT OR WINDY WEATHER PLACEMENT

HOT WEATHER IS DEFINED BY ACI 305 AS "ANY COMBINATION OF HIGH AIR TEMPERATURE, LOW RELATIVE HUMIDITY, AND WIND VELOCITY, TENDING TO IMPAIR THE QUALITY OF FRESH HARDENED CONCRETE. ACI 305 FIGURE 2.1.5 SHALL BE USED BY THE CONTRACTOR TO ESTIMATE THE RATE OF EVAPORATION. WHEN THE ESTIMATED RATE OF EVAPORATION IS GREATER THAN O.2 PSF/HOUR THE PLACEMENT SHALL BE CONSIDERED A HOT WEATHER PLACEMENT. PRECAUTIONS AGAINST PLASTIC SHRINKAGE CRACKING ARE NECESSARY. PRECAUTIONS TAKEN BY THE CONTRACTOR VARY DEPENDING UPON THE FACTORS ASSOCIATED WITH WATER EVAPORATION AND INCLUDE BUT ARE NOT LIMITED TO:

1. LIMITING CONCRETE TEMPERATURE TO 100°F AT TIME OF PLACEMENT.

2. APPLICATION OF AN EVAPORATION RETARDER.

3. USE OF FOG SPRAY.

4. REDUCTION OF POUR SIZE.

5. PLACING CONCRETE AT NIGHT.

CONTROL AND CONSTRUCTION JOINTS

CONSTRUCTION JOINTS SHALL MEET THE REQUIREMENTS OF ACI 301 SECTIONS 2.2.2.5 AND 5.3.2.6. SPECIAL BONDING METHODS PER SECTION 5.3.2.6 SHALL BE SATISFIED BY ITEM 6 BELOW UNLESS OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS. WHERE CONSTRUCTION JOINTS ARE NOT SHOWN ON PLAN OR ADDITIONAL CONSTRUCTION JOINTS ARE REQUIRED SUBMIT PROPOSED JOINTING FOR STRUCTURAL ENGINEERS APPROVAL. PROVIDE CONSTRUCTION JOINTS AS INDICATED BELOW UNLESS NOTED OTHERWISE ON THE PLANS:

1. SLABS ON GRADE: PROVIDE CONSTRUCTION AND/OR CONTROL JOINTS AT 16 FEET O.C. MAXIMUM FOR UNEXPOSED SLABS ON GRADE AND 12 FEET O.C. FOR EXPOSED SLABS ON GRADE. COORDINATE JOINTS WITH ARCHITECTURAL DRAWINGS.
2. BONDING AGENT: WHERE BONDING AGENT IS SPECIFICALLY CALLED OUT ON THE STRUCTURAL DRAWINGS USE "WELD CRETE" BY LARSEN PRODUCTS CORPORATION OR PRE-APPROVED EQUAL. FOLLOW ALL MANUFACTURERS RECOMMENDATIONS.
3. ATTACHMENT OF NEW CONCRETE TO EXISTING: WHERE SHOWN, ROUGHEN CONCRETE TO A MINIMUM AMPLITUDE OF 1/4" USING IMPACT HAMMER. REMOVE ALL LOOSE OR DAMAGED CONCRETE, THOROUGHLY FLUSH ALL SURFACES WITH POTABLE WATER, AIR BLAST WITH OIL FREE COMPRESSED AIR TO REMOVE ALL WATER.

EMBEDDED ITEMS

1. NO ALUMINUM ITEMS SHALL BE EMBEDDED IN ANY CONCRETE.
2. ALL EMBED PLATES SHALL BE SECURELY FASTENED IN PLACE.
3. ALL EMBEDDED STEEL ITEMS EXPOSED TO EARTH SHALL BE GALVANIZED.
4. ALL EMBEDDED STEEL ITEMS EXPOSED TO WEATHER SHALL BE PAINTED UNLESS NOTED AS GALVANIZED. SEE DRAWINGS AND SPECIFICATIONS FOR PAINT, PRIMER, AND GALVANIZING REQUIREMENTS.

CONCRETE CURING AND SEALING

CURING PROCEDURES SHALL COMMENCE IMMEDIATELY AFTER FINISHING CONCRETE TO MAINTAIN CONCRETE IN A MOIST CONDITION. VERIFY CURING AND/OR SEALING PRODUCTS ARE COMPATIBLE WITH FLOOR COVERINGS SHOWN ON THE ARCHITECTURAL DRAWINGS. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS. SLABS ARE DEFINED AS SLABS ON GRADE, CONCRETE ON METAL DECK, ELEVATED POST-TENSIONED OR MILD REINFORCED DECKS, AND TOPPING SLABS.

ITEM	CONCRETE CURING NOTES
ALL OTHER SLABS	1, (3 OR 4 OR 5)
FORMED SURFACES EXCLUDING FOUNDATIONS	2
SHOTCRETE WALLS	4
ALL OTHER CONCRETE	NONE

CONCRETE CURING NOTES:

1. WHEN THE ESTIMATED EVAPORATION RATE IS GREATER THAN 0.2 PSF/HOUR PROVIDE A SPRAY APPLIED EVAPORATION RETARDER IMMEDIATELY AFTER CONCRETE PLACEMENT. THE EVAPORATION RATE MAY BE CALCULATED PER ACI 305 FIGURE 2.1.5.
2. APPLY A LIQUID MEMBRANE FORMING CURING COMPOUND, CONFORMING TO ASTM C309 TYPE 1 CLASS B SPECIFICATIONS, PER MANUFACTURER'S RECOMMENDATIONS TO ALL FORMED SURFACES IMMEDIATELY AFTER FINAL FORM REMOVAL. NOT REQUIRED IF FORMWORK REMAINS IN PLACE FOR MORE THAN 7 DAYS.
3. PROVIDE PRE-APPROVED CONTINUOUS WET CURE METHOD FOR A MINIMUM OF 14 DAYS.
4. APPLY A LIQUID MEMBRANE FORMING CURING COMPOUND, CONFORMING TO ASTM C309 TYPE 1 CLASS B SPECIFICATIONS OR ASTM C1315 TYPE 1 CLASS A SPECIFICATIONS, PER MANUFACTURER'S RECOMMENDATIONS IMMEDIATELY AFTER FINAL FINISHING. CURING COMPOUND SHALL BE COMPATIBLE WITH ARCHITECTURAL FLOOR COVERINGS AND SEALERS.
5. PROVIDE "ULTRACURE DOT" MOISTURE RETAINING COVER BY MCTECH GROUP, OR APPROVED EQUAL, FOR A MINIMUM OF 14 DAYS.
6. APPLY A SILANE SEALER WITH MINIMUM SOLIDS CONTENT OF 40% PER MANUFACTURER'S RECOMMENDATIONS.

GROUT

NON-SHRINK GROUT: MASTER BUILDERS "MASTERFLOW 928" OR PRE-APPROVED EQUAL. GROUT SHALL CONFORM TO CRD-C621 AND ASTM C1107 WHEN TESTED AT A FLUID CONSISTENCY PER CRD-C611-85 FOR 30 MINUTES. GROUT MAY BE PLACED FROM A 25 SECOND FLOW TO A STIFF PACKING CONSISTENCY. FILL OR PACK ENTIRE SPACE UNDER PLATES OR SHAPES. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PREPARATION, INSTALLATION, AND CURING. 28-DAY MINIMUM STRENGTH SHALL BE 7,500 PSI MINIMUM

REINFORCING STEEL

REINFORCING STEEL SHALL CONFORM TO:

ASTM A615, GRADE 60 TYPICAL UNLESS NOTED OTHERWISE.

ASTM A615 GRADE 75 WHERE NOTED AS Fy = 75 ON DRAWINGS.

ASTM A615 GRADE 80 WHERE NOTED AS Fy = 80 ON DRAWINGS.

ASTM A615 GRADE 40 WHERE NOTED AS Fy = 40 ON DRAWINGS, HIGHER GRADES MAY NOT BE SUBSTITUTED.

ASTM A706 GRADE 60 FOR ALL MOMENT FRAME HORIZONTAL BEAM BARS, MOMENT FRAME VERTICAL COLUMN BARS, VERTICAL SHEAR WALL BARS, ALL COUPLING BEAM BARS (EXCEPT TIES), AND ALL ANCHORAGE REINFORCING AT BASE PLATES OF STEEL COLUMNS PART OF MOMENT FRAME/BRACED FRAME. PER ACI 318, ASTM A615 GRADE 60 MAY BE SUBSTITUTED FOR THESE MEMBERS IF THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED YIELD STRENGTH BY MORE THAN 18 KSI, THE RATIO OF ACTUAL ULTIMATE TENSILE STRENGTH TO ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25, AND IF THE ELONGATION OVER AN 8" GAGE LENGTH MEETS THE FOLLOWING:

BAR SIZE	MINIMUM ELONGATION
#3 - #6	14% ≥
#7 - #11	12% ≥
#14, #18	10% ≥

ASTM A706 GRADE 60 FOR ALL WELDED BARS.

DETAIL FABRICATE AND PLACE PER ACI 315 AND ACI 318.

WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A1064. LAP ONE FULL MESH ON SIDES AND ENDS BUT NOT LESS THAN 8 INCHES. WELDED WIRE REINFORCING SHALL BE SUPPORTED TO WITHSTAND CONCRETE PLACEMENT. PULLING OF MESH INTO PLACE AFTER PLACEMENT IS NOT ALLOWED.

REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE, Fy=60 KSI (UNLESS NOTED OTHERWISE)

BAR SIZE	MINIMUM LAP SPLICE LENGTHS ("Ls")		MINIMUM DEVELOPMENT LENGTHS ("Ld")		MINIMUM EMBEDMENT LENGTH FOR STANDARD END HOOKS ("Ldh")
	TOP BARS (1)	OTHER BARS	TOP BARS (1)	OTHER BARS	
#3	2'-0"	1'-6"	1'-6"	1'-3"	0'-6"
#4	2'-8"	2'-0"	2'-0"	1'-7"	0'-6"
#5	3'-4"	2'-7"	2'-7"	2'-0"	0'-8"
#6	4'-0"	3'-1"	3'-1"	2'-4"	0'-10"
#7	5'-10"	4'-6"	4'-6"	3'-6"	1'-0"
#8	6'-8"	5'-2"	5'-2"	3'-11"	1'-3"
#9	7'-6"	5'-10"	5'-10"	4'-6"	1'-6"
#10	8'-6"	6'-6"	6'-6"	5'-0"	1'-9"
#11	9'-5"	7'-3"	7'-3"	5'-7"	2'-1"
#14	MECHANICAL SPLICE REQUIRED		8'-8"	6'-8"	5'-6"
#18	MECHANICAL SPLICE REQUIRED		11'-7"	8'-11"	8'-5"

SPLICE TABLE NOTES:

1. "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.

MECHANICAL COUPLERS: "LENTON" BY NVENT, "CADWELD" BY NVENT, "BAR-LOCK" BY DAYTON SUPERIOR L-SERIES, OR PRE-APPROVED EQUAL. COUPLERS SHALL BE TYPE 2 PER ACI 318 SECTION 18.2.7.1.

WELDED HALF COUPLERS: "LENTON" BY NVENT WELDABLE HALF COUPLERS TYPE C2/C3J OR APPROVED EQUAL.

TERMINATORS: "LENTON" BY NVENT THREADED TERMINATORS TYPE D6 OR APPROVED EQUAL.

FORM SAVERS: "LENTON" BY NVENT THREADED FORM SAVERS TYPE FS OR APPROVED EQUAL.

REINFORCING STEEL COVER

PROVIDE CONCRETE COVER OVER REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH ------------ 3"
EXPOSED TO WEATHER OR EARTH ------------ 2"
TIES ON BEAMS AND COLUMNS ------------- 1-1/2"
WALLS AND SLABS NOT EXPOSED TO WEATHER---- 3/4"

GENERAL REQUIREMENTS

REPAIR MORTAR: SIKA "QUICK VOH" OR PRE-APPROVED EQUAL. TREAT ALL REBAR IN PATCH AREA WITH SIKA "ZINC-RICH 1 PRIMER" OR PRE-APPROVED EQUAL. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS.

POST-INSTALLED ANCHORS

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

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

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

STRUCTURAL DRAWING INDEX

SHEET NUMBER	SHEET DESCRIPTION
S01-01	GENERAL NOTES
S01-02	GENERAL NOTES
S01-03	GENERAL NOTES
S01-04	GENERAL NOTES
S11-01	FRAMING PLAN - LEVEL 01
S11-02	FRAMING PLAN - LEVEL 02
S11-03	FRAMING PLAN - LEVEL 03
S11-04	FRAMING PLAN - LEVEL 04
S11-05	FRAMING PLAN - LEVEL 05
S21-01	STEEL DETAILS
S21-02	STEEL DETAILS
S21-10	COLD FORMED STEEL FRAMING DETAILS
S21-11	COLD FORMED STEEL FRAMING DETAILS
S21-12	NON-BEARING COLD FORMED STEEL DETAILS
Grand total: 14	

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Seattle, WA 98109

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1004 Madison St,
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MACDONALD MILLER
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TODD PAUL PARKER
STATE OF WASHINGTON
48217
STRUCTURAL ENGINEER
PROFESSIONAL ENGINEER

PHASE 1 PERMIT SET 24/04/2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

GENERAL NOTES

SHEET NUMBER

S01-01

4/17/2025 3:05:19 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/STRU-MultiCare-Kitchen-R25.rvt

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.

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 MAY BE ACCEPTABLE PROVIDED THEY HAVE A MINIMUM OF (5) YEARS EXPERIENCE ON PROJECTS OF EQUAL OR LARGER COMPLEXITY AND SCOPE. QUALIFICATIONS SHALL BE SUBMITTED TO STRUCTURAL ENGINEER (2) WEEKS PRIOR TO BID.

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.

MATERIAL PROPERTIES

WIDE FLANGE SECTIONS: ASTM A992 (Fy = 50 KSI)

OTHER SHAPES AND PLATES: ASTM A36 (Fy = 36 KSI) TYP. U.N.O.; ASTM A572 (Fy = 50 KSI) WHERE INDICATED

HOLLOW STRUCTURAL SECTIONS: RECTANGULAR & SQUARE - ASTM A500, GRADE C (Fy = 50 KSI) ROUND - ASTM A500, GRADE C (Fy = 46 KSI)

STRUCTURAL STEEL PIPES: ASTM A53, GRADE B, TYPE E OR S (Fy = 35 KSI)

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

HIGH-STRENGTH BOLTS: ASTM 3125, GRADE F1852, UNLESS NOTED OTHERWISE, ASTM 3125, GRADE F2280 WHERE INDICATED

ANCHOR BOLTS (A.B.): ASTM F1554, GRADE 36, UNLESS NOTED OTHERWISE, ASTM F1554, GRADE 105 WHERE INDICATED.

WIDE FLANGE STRUCTURAL MEMBERS WHICH ARE ASTM A6 GROUP 3 SHAPES WITH FLANGE THICKNESS 1-1/2" THICK AND THICKER, AND ALL ASTM A6 GROUP 4 AND 5 SHAPES AND PLATE THAT IS 1-1/2" THICK OR THICKER SHALL HAVE A CHARPY V-NOTCH (CVN) TOUGHNESS OF 20 FT-LBS @ 70 DEG F.

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.

REINFORCING STEEL: WELD IN ACCORDANCE WITH "REINFORCING STEEL WELDING CODE" AWS D1.4. WELD ONLY WITH SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER. IN NO CASE SHALL A WELD BE MADE WITHIN 6 BAR DIAMETERS OF A "COLD BEND".

CERTIFICATION: ALL WELDING SHALL BE PERFORMED BY WABO 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:

GRAVITY FRAME

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

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

HIGH-STRENGTH BOLTS: ALL A325 HIGH-STRENGTH BOLTS (HSB) INDICATED AS A325 IN THE DRAWINGS SHALL BE ASTM F3125, GRADE F1852, UNLESS OTHERWISE INDICATED AS A490. ALL HSB INDICATED AS A490 SHALL BE ASTM F3125, GRADE F2280. ALL HSB SHALL BE BY "LEJEUNE BOLT COMPANY" OR PRE-APPROVED EQUAL AND SHALL BE INSTALLED PER SECTION 8.2 OF THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS", JUNE 2020 BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC SPECIFICATION). ALL BOLT HOLES SHALL BE STANDARD ROUND HOLES UNLESS NOTED OTHERWISE. THE FAYING SURFACES OF ALL PLIES WITHIN THE GRIP OF SLIP-CRITICAL BOLTS (A325SC OR A490SC) SHALL MEET THE REQUIREMENTS FOR A CLASS A SURFACE PER SECTION 3.2 OF THE RCSC SPECIFICATION.

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.

ADHESIVE ANCHOR RODS: FULLY THREADED ASTM F1554, GRADE 36 UNLESS NOTED OTHERWISE.

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. WHERE STRUCTURAL STEEL IS NOTED TO BE PAINTED, ALL AREAS COMPRISING THE FAYING SURFACES OF BOLTED CONNECTIONS MADE WITH SLIP-CRITICAL TYPE BOLTS (A325SC OR A490SC) SHALL COMPLY WITH THE REQUIREMENTS OF THE RCSC SPECIFICATION. WHERE STRUCTURAL STEEL IS NOTED TO BE GALVANIZED, IT SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123, A384, AND A385. ALL SURFACES WITHIN TWO INCHES OF ANY FIELD WELD LOCATION SHALL BE FREE OF MATERIALS THAT WOULD PREVENT PROPER WELDING OR PRODUCE OBJECTIONABLE FUMES. FIELD TOUCH-UP OF PRIMED, PAINTED, AND GALVANIZED SURFACES SHALL BE PERFORMED TO REPAIR COATING ABRASIONS, AS WELL AS TO PROTECT ALL AREAS AT CONNECTIONS.

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 S240-20 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 S202-20 AND S240-20. 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 PROFESSIONAL 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.

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.

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.	CONCRETE MIX DESIGNS	X	X
2.	REINFORCING STEEL SHOP DRAWINGS	X	
3.	STRUCTURAL STEEL	X	X
4.	COLD-FORMED STEEL FRAMING	X	X
5.	MISCELLANEOUS STEEL	X	X
6.	CONTRACTOR'S STATEMENT OF RESPONSIBILITY	X	X

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:

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PHASE 1 PERMIT SET 24/04/2025

MultiCare Good Samaritan Hospital Kitchen

401 15th Ave SE,
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WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

GENERAL NOTES

SHEET NUMBER

S01-02

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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
SOILS	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X		IBC 1705.6
	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X		
	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS		X		
	DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X			
	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X		

STEEL CONSTRUCTION	INSPECTION TASKS	OBSERVE	PERFORM	COMMENTS	REFERENCES
	PRIOR TO WELDING:			SPECIAL INSPECTIONS IN THIS SECTION **MAY BE** WAIVED WHERE FABRICATION IS PERFORMED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5 **AND WITH THE APPROVAL OF THE BUILDING OFFICIAL.**	AISC 360, TABLE N5.4-1 AISC 341, TABLE J6.1
	WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	X			
	WELDING PROCEDURE SPECIFICATIONS		X		
	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE		X		
	MATERIAL IDENTIFICATION (TYPE/GRADE)	X			
	WELDER IDENTIFICATION SYSTEM	X			
	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	X		If selected; must use WABO certified fabricator.	
	FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K—JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	X			
	CONFIGURATION AND FINISH OF ACCESS HOLES	X			
	FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	X			
	DURING WELDING:				AISC 360, TABLE N5.4-2 AISC 341, TABLE J6.2
	CONTROL AND HANDLING OF WELDING CONSUMABLES • PACKAGING • EXPOSURE CONTROL	X			
	NO WELDING OVER CRACKED TACK WELDS	X			
	ENVIRONMENTAL CONDITIONS • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE	X			
	WELDING PROCEDURE SPECIFICATIONS FOLLOWED • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) • PROPER POSITION (F, V, H, OH) • INTERMIX OF FILLER METALS AVOIDED UNLESS APPROVED (LATERAL CONNECTIONS ONLY)	X			
	WELDING TECHNIQUES • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	X			
	USE OF QUALIFIED WELDERS (FOR LATERAL CONNECTIONS)	X			
	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS		X		
	AFTER WELDING:				AISC 360, TABLE N5.4-3 AISC 341, TABLE J6.3
	WELDS CLEANED	X			
	SIZE, LENGTH, AND LOCATION OF WELDS		X		
	WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD/BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY		X		
	ARC STRIKES		X		
	k-AREA		X		
	WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES		X		

STEEL CONSTRUCTION (CONTINUED)	INSPECTION TASKS	OBSERVE	PERFORM	COMMENTS	REFERENCES
	BACKING REMOVED AND WELD TABLES REMOVED (IF REQUIRED)		X		
	REPAIR ACTIVITIES		X		
	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER		X		
	NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER	X			
	PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS AS REQUIRED (LATERAL CONNECTIONS ONLY)		X		
	PRIOR TO BOLTING:				AISC 360, TABLE N5.6-1 AISC 641, TABLE J7.1
	MANUFACTURER'S CERTIFICATIONS FOR FASTENER MATERIALS	X			
	PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	X			
	CONNECTING ELEMENTS INCLUDING FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	X			
	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED FOR FASTENER ASSEMBLIES AND METHODS USED	X			
	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	X			
	DURING BOLTING:				AISC 360, TABLE N5.6-2 AISC 341, TABLE J7.2
	FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	X			
	JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION	X			
	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	X			
	FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC *SPECIFICATION*, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	X			
	AFTER BOLTING:				AISC 360, TABLE N5.6-3 AISC 341, TABLE J7.3
	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS		X		
	OTHER INSPECTION TASKS:				AISC 360 SECTION N5.8
	PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS		X		
	FABRICATED STEEL OR ERECTED STEEL FRAME, AS APPLICABLE, TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS		X		
	REDUCED BEAM SECTION REQUIREMENTS, IF APPLICABLE • CONTOUR AND FINISH • DIMENSIONAL TOLERANCE		X		AISC 341 TABLE J8.1
	PROTECTED ZONE – NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY FABRICATOR OR ERECTOR, AS APPLICABLE		X		
	NONDESTRUCTIVE TESTING OF WELDED JOINTS:			SPECIAL INSPECTIONS IN THIS SECTION **MAY BE** WAIVED WHERE FABRICATION IS PERFORMED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5 **AND WITH THE APPROVAL OF THE BUILDING OFFICIAL.** SEE AISC 360 SECTION N5 FOR ULTRASONIC TESTING RATE	AISC 360 SECTION N5
	FOR RISK CATEGORY III AND IV STRUCTURES ALL COMPLETE-JOINT-PENETRATION WELDS, T- AND CORNER JOINTS, IN MATERIAL 5/16" OR GREATER		X		
	FOR RISK CATEGORY II STRUCTURES 10% OF ALL COMPLETE-JOINT-PENETRATION WELDS, T- AND CORNER JOINTS, IN MATERIAL 5/16" OR GREATER		X		
	COMPOSITE STRUCTURES PRIOR TO CONCRETE PLACEMENT:				AISC 341 TABLE J9.1
	MATERIAL IDENTIFICATION OF REINFORCEMENT STEEL (TYPE/GRADE)	X			
	DETERMINATION OF CARBON EQUIVALENT FOR REINFORCING STEEL OTHER THAN ASTM A706/A706M	X			
	PROPER REINFORCING STEEL SIZE, SPACING AND ORIENTATION	X			
	REINFORCING STEEL HAS NOT BEEN REBENT IN THE FIELD	X			
	REINFORCING STEEL HAS BEEN TIED AND SUPPORTED AS REQUIRED	X			
	REQUIRED REINFORCING STEEL CLEARANCES HAVE BEEN PROVIDED	X			
	COMPOSITE MEMBER HAS REQUIRED SIZE	X			
	COMPOSITE STRUCTURES DURING CONCRETE PLACEMENT:				AISC 341 TABLE J9.2
	CONCRETE: MATERIAL IDENTIFICATION (MIX DESIGN, COMPRESSIVE STRENGTH, MAXIMUM LARGE AGGREGATE SIZE, MAXIMUM SLUMP)	X			
	LIMITS ON WATER ADDED AT THE TRUCK OR PUMP	X			
	PROPER PLACEMENT TECHNIQUES TO LIMIT SEGREGATION	X			
	COMPOSITE STRUCTURES AFTER CONCRETE PLACEMENT:				AISC 341 TABLE J9.3
	ACHIEVEMENT OF MINIMUM SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT SPECIFIED AGE		X		
	H-PILES:				AISC 341 TABLE J10.1
	PROTECTED ZONE – NO HOLES AND UNAPPROVED ATTACHMENTS MADE by THE RESPONSIBLE CONTRACTOR, AS APPLICABLE		X		

STRUCTURAL SYSTEM	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	COMMENTS	REFERENCES
STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL	MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK: A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS B. MANUFACTURER'S CERTIFIED TEST REPORTS		X X		APPLICABLE ASTM MATERIAL STANDARDS & IBC 2210.1.1
	INSPECTION OF WELDING A. COLD-FORM STEEL DECK WELDS B. OPEN WEB STEEL JOISTS & JOIST GIRDERS 1. END CONNECTIONS - WELDING OR BOLTED 2. BRIDGING - HORIZONTAL OR DIAGONAL a. STANDARD BRIDGING b. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1	X	X X X X		AWS D1.3 AWS D1.4 IBC 1705.2.3 SJI SPECIFICATIONS LISTED IN SECTION 2207.1 SJI SPECIFICATIONS LISTED IN SECTION 2207.1

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MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

GENERAL NOTES

SHEET NUMBER

S01-03

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STRUCTURAL SYSTEM	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	COMMENTS	REFERENCES
CONCRETE	INSPECT REINFORCEMENT, INCLUDING PRE-STRESSING TENDONS, AND VERIFY PLACEMENT		X	SPECIAL INSPECTIONS NOT REQUIRED FOR THE FOLLOWING CONDITIONS:	ACI 318: CH 20, 25.2, 25.3, 26.6-1 TO 26.6-3, IBC 1908
	ANCHORS CAST IN CONCRETE-PRIOR TO AND DURING PLACEMENT OF CONCRETE		X	NON-STRUCTURAL SLAB ON GRADE	ACI 318: 26.7 AISC 360 SECTION N7
	VERIFY USE OF REQUIRED DESIGN MIX		X	CONCRETE FOUNDATION WALLS WITH F'c ≤ 2500 PSI	ACI 318, CH 19
	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X		ISOLATED SPREAD FOOTINGS FOR BUILDINGS THREE-STORIES AND LESS ABOVE GRADE PLANE	ASTM C172, C31 ACI 318: 26.4, 26.12
	CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION	X		CONTINUOUS FOOTINGS SUPPORTING WALLS OF THREE-STORIES AND LESS ABOVE GRADE PLANE WHERE WALLS ARE LIGHT-FRAME CONSTRUCTION AND STRUCTURAL DESIGN IS BASED ON F'c ≤ 2500 PSI	ACI 318: 26.5
	MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X		ACI 318: 26.5.3 TO 26.5.5
	ANCHORS POST-INSTALLED IN HARDENED CONCRETE (MECHANICAL ANCHORS INSTALLED IN ANY DIRECTION AND ADHESIVE ANCHORS INSTALLED DOWNWARD)		X	PERIODIC INSPECTION TO INCLUDE A QUANTITY OF 10% WITH A MINIMUM OF (5) ANCHORS INSPECTED PER INSTALLER ON A DAILY BASIS.	ACI 318: 26.7 MFR EVAL REPORT MFR PUBLISHED INSTALLATION INSTRUCTIONS
	ANCHORS POST-INSTALLED IN HARDENED CONCRETE (ADHESIVE ANCHORS INSTALLED HORIZONTAL OR UPWARDLY INCLINED)	X			ACI 318: 26.7 MFR EVAL REPORT MFR PUBLISHED INSTALLATION INSTRUCTIONS
	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X		ACI 318: 26.11.1.2(b)
	MATERIAL VERIFICATION OF REINFORCEMENT STEEL FOR ASTM A615 REINFORCING		X	MANUFACTURER SHALL PROVIDE MILL TEST REPORTS. CONTINUOUS INSPECTION FOR ALL WELDS GREATER THAN 5/16" FILLET. PERIODIC INSPECTION FOR FILLET WELD 5/16" AND SMALLER	ACI 318: 26.6.4 AWS D1.4 IBC 1705.3.1
	TESTING OF MATERIALS		X		IBC 1705.3.2
	INSPECTION OF WELDING FOR REINFORCING STEEL A. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706 B. REINFORCING STEEL IN MOMENT FRAMES AND BOUNDARY ELEMENTS C. SHEAR REINFORCEMENT D. OTHER REINFORCING STEEL	 X X X	X		AWS D1.3 AWS D1.4 ACI 318 SECTION 26.6.4
SUSPENDED CEILINGS	ANCHORAGE AND SEISMIC BRACING		X		
STORAGE RACKS	MATERIALS USED, TO VERIFY COMPLIANCE WITH ONE OR MORE OF THE MATERIAL TEST REPORTS IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS		X	SPECIAL INSPECTION NOT REQUIRED FOR STORAGE RACKS < 8 FT. HIGH	IBC 1705.13.7
	FABRICATED STORAGE RACK ELEMENTS		X		IBC 1704.2.5
	STORAGE RACK ANCHORAGE INSTALLATION		X		ANSI/MH16.1, SECTION 7.3.2
	COMPLETED STORAGE RACK SYSTEM, TO INDICATE COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS		X		
MECHANICAL AND ELECTRICAL SYSTEMS	MINIMUM CLEARANCE TO SPRINKLER PIPING OF 3"		X		IBC 1705.13.6

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

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

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

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

1) Provide written contractors statement of responsibility.
2) Provide non-structural special inspection matrix; Examples not limited to:
1705.14.2 Nonstructural components.
1705.15 Sprayed fire-resistant materials.
1705.18 Fire-resistant penetrations and joints.
1705.19 Testing for smoke control.

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

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MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

GENERAL NOTES

SHEET NUMBER

S01-04

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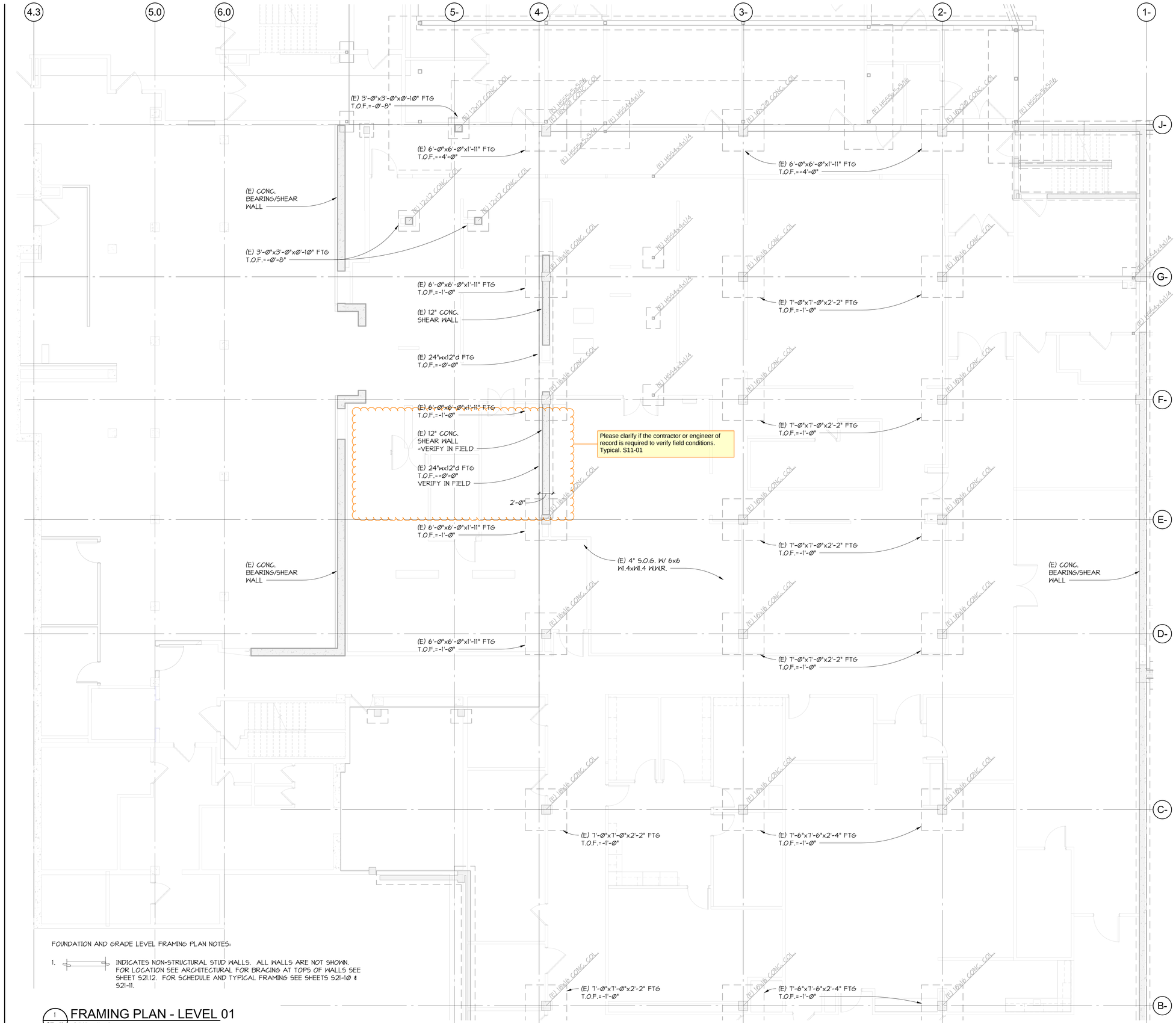

Please clarify if the contractor or engineer of record is required to verify field conditions. Typical. S11-01

FOUNDATION AND GRADE LEVEL FRAMING PLAN NOTES:

1. INDICATES NON-STRUCTURAL STUD WALLS. ALL WALLS ARE NOT SHOWN. FOR LOCATION SEE ARCHITECTURAL FOR BRACING AT TOPS OF WALLS SEE SHEET S21.12. FOR SCHEDULE AND TYPICAL FRAMING SEE SHEETS S21-10 & S21-11.

1 / S11-01 FRAMING PLAN - LEVEL 01
3/16" = 1'-0"

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

FRAMING PLAN - LEVEL 01

SHEET NUMBER

S11-01

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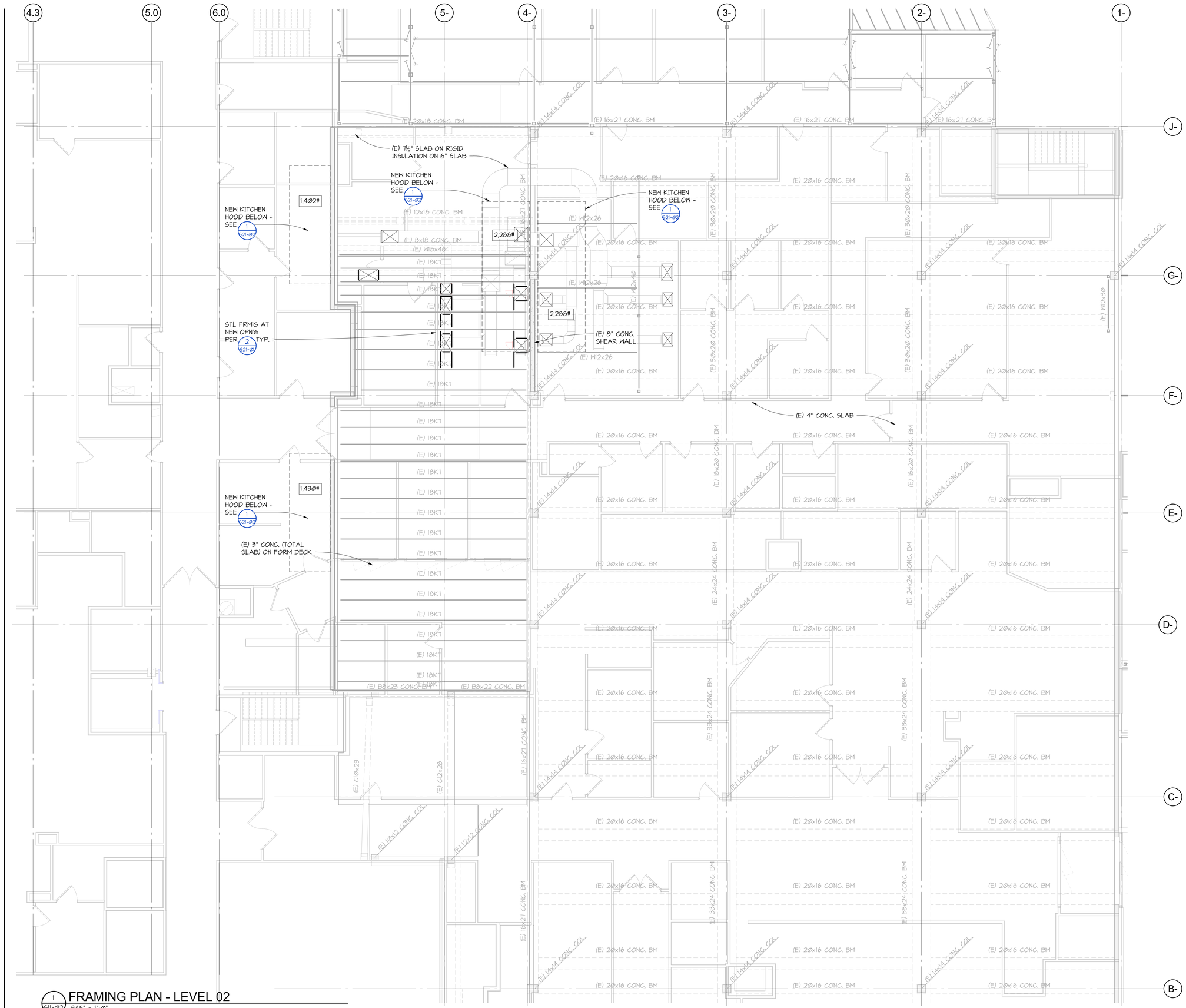

1 S11-02 FRAMING PLAN - LEVEL 02
3/16" = 1'-0"

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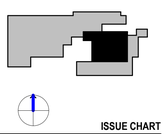
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

FRAMING PLAN - LEVEL 02

SHEET NUMBER

S11-02

1 S11-03 FRAMING PLAN - LEVEL 03
3/16" = 1'-0"

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

FRAMING PLAN - LEVEL 03

SHEET NUMBER

S11-03

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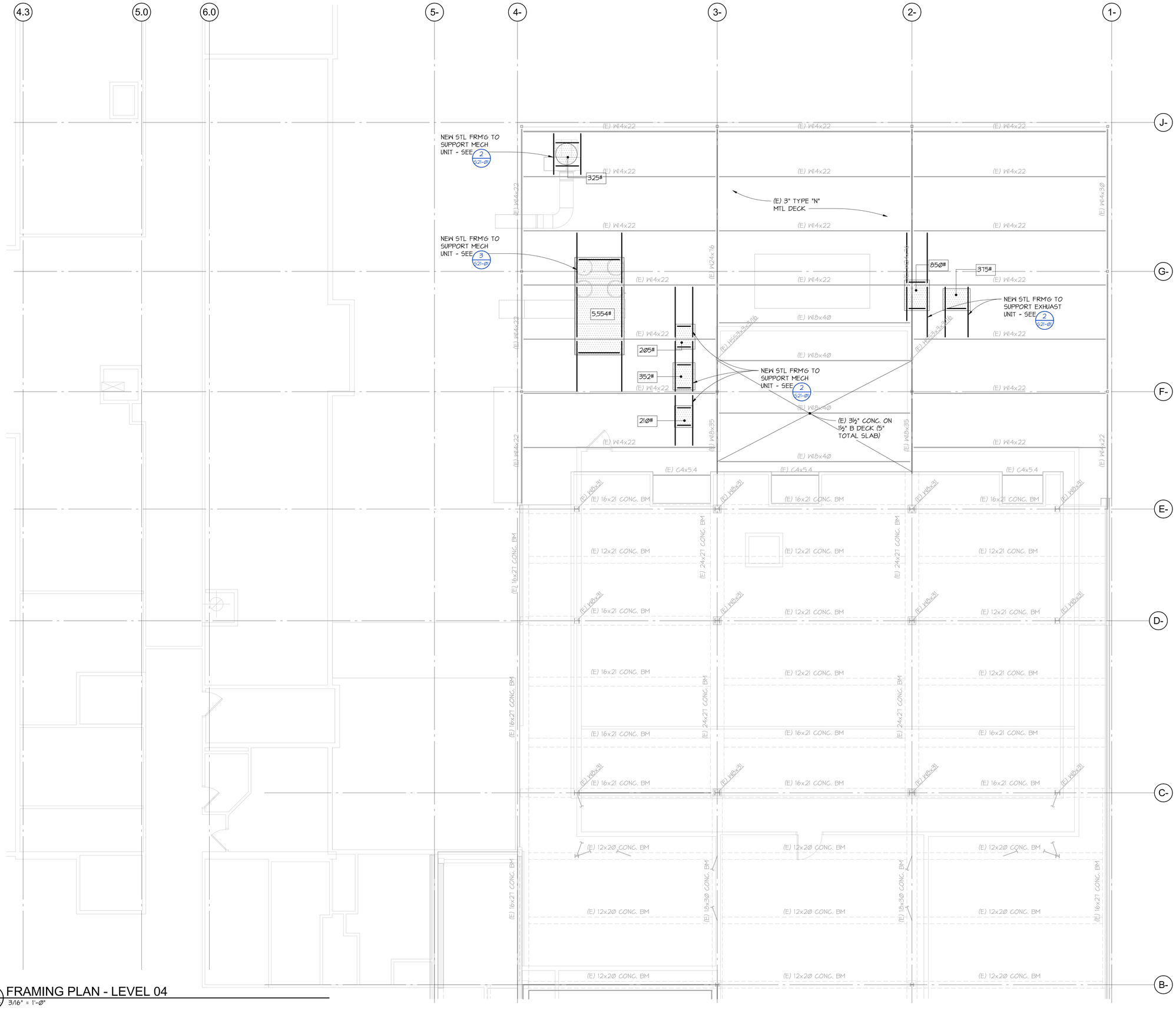

1 S11-04 FRAMING PLAN - LEVEL 04
3/16" = 1'-0"

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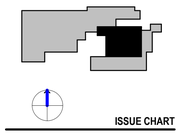
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

FRAMING PLAN - LEVEL 04

SHEET NUMBER

S11-04

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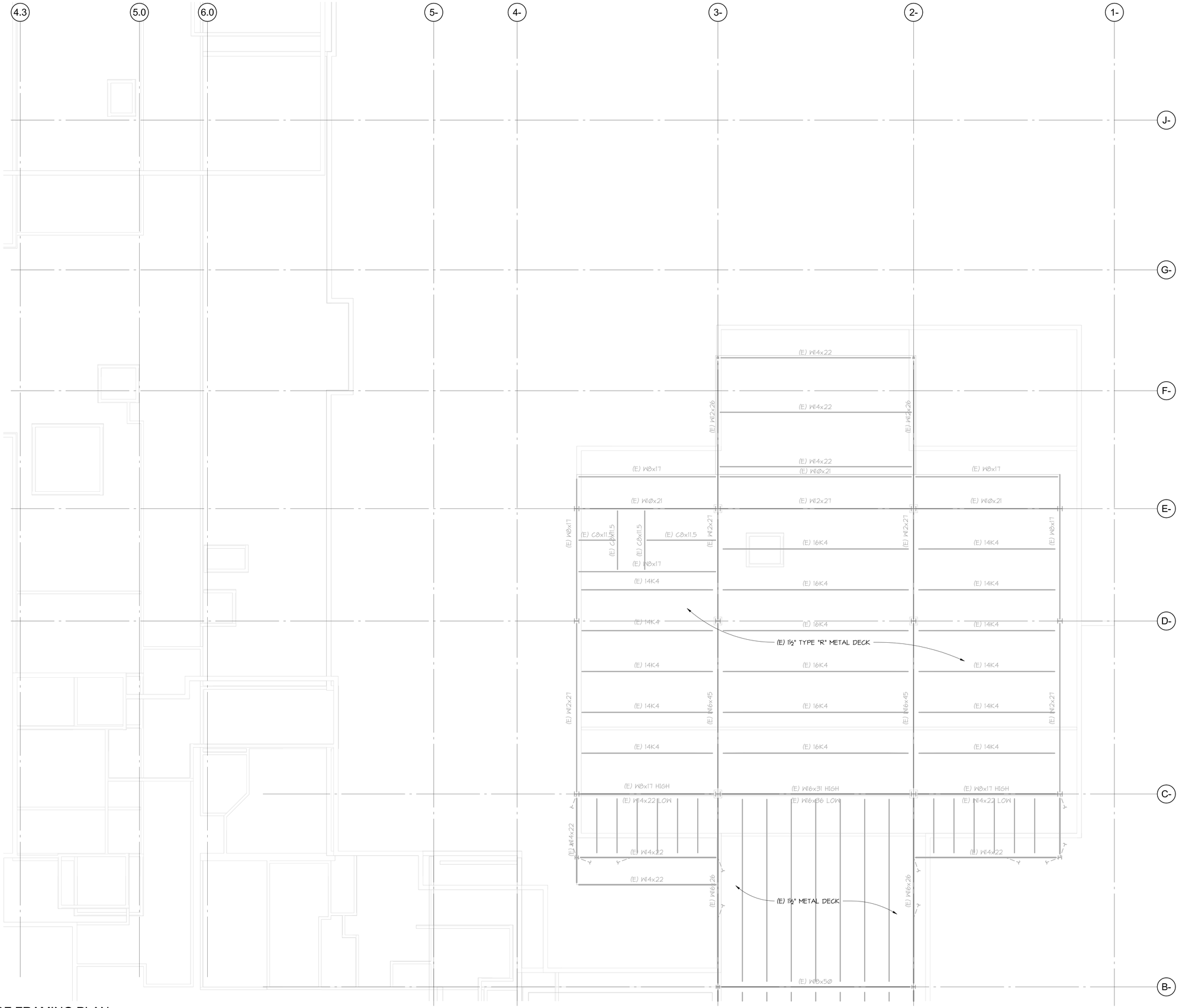

1 S11-05 ROOF FRAMING PLAN
3/16" = 1'-0"

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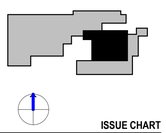
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

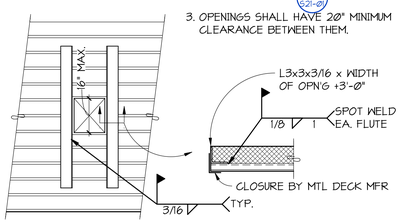
Job Number 24127

TITLE

FRAMING PLAN - LEVEL 05

SHEET NUMBER

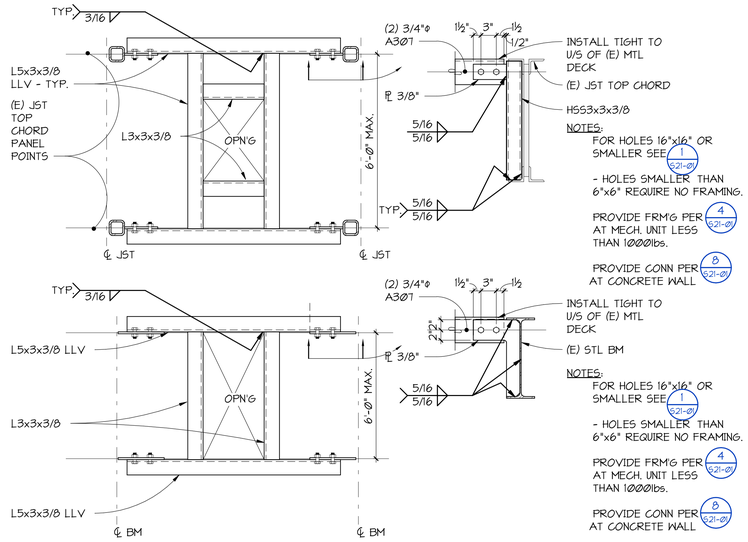
S11-05



NOTES:
1. OPENINGS LESS THAN 6"x6" REQUIRE NO FRAMING.
2. FOR OPENINGS GREATER THAN 16" OR 75# LOAD SEE 2/S21-01
3. OPENINGS SHALL HAVE 20# MINIMUM CLEARANCE BETWEEN THEM.

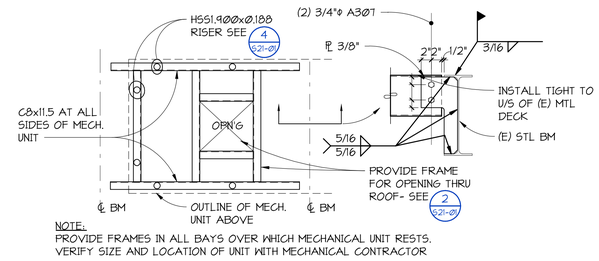
TYPICAL AT ISOLATED OPENINGS IN NON-COMPOSITE METAL DECK LESS THAN 16 INCH SQUARE

1/S21-01 DETAIL
NO SCALE



TYPICAL FRAMING AT OPENINGS IN METAL ROOF DECK (MAXIMUM LOAD = 1000 POUNDS)

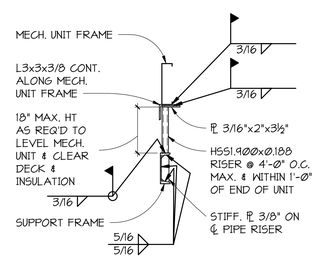
2/S21-01 DETAIL
NO SCALE



NOTE:
PROVIDE FRAMES IN ALL BAYS OVER WHICH MECHANICAL UNIT RESTS. VERIFY SIZE AND LOCATION OF UNIT WITH MECHANICAL CONTRACTOR

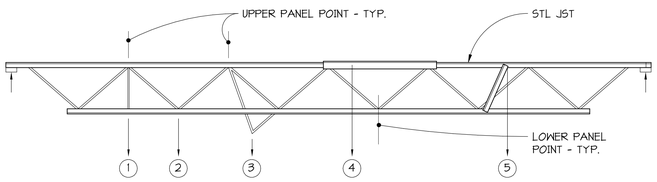
TYPICAL MECHANICAL UNIT SUPPORT FRAME (MAX. WT = 6000#)

3/S21-01 DETAIL
NO SCALE



RISER SUPPORT FOR MECHANICAL UNIT FRAME

4/S21-01 DETAIL
NO SCALE

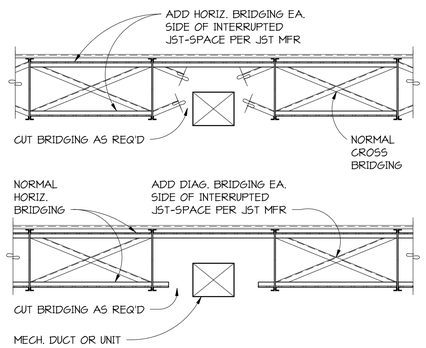


① HANG WITHIN 3" OF ANY UPPER PANEL POINT FOR "K" SERIES JOIST, 6" FOR "LH" SERIES.
② HANG WITHIN 3" OF ANY LOWER PANEL POINT FOR "K" SERIES JOIST, 6" FOR "LH" SERIES.
③ TRAPEZE BETWEEN ANY PANEL POINTS.
④ REINFORCE TOP CHORD AS REQUIRED BY JOIST MANUFACTURER.
⑤ REINFORCE BETWEEN LOAD LOCATION AND LOWER CHORD PANEL POINT AS REQUIRED BY JOIST MANUFACTURER.

NOTES:
1. SINGLE LOADS LESS THAN 100# MAY BE ADDED ANYWHERE ALONG THE UPPER CHORD (NOT JUST AT PANEL POINTS) WITHOUT ADDING AN ANGLE TO STIFFEN THE JOIST.
2. DO NOT CUT OR DRILL THROUGH ANY JOIST MEMBER.
3. THIS DETAIL IS APPLICABLE TO HANGING MECHANICAL EQUIPMENT, SPRINKLER PIPES, ETC.

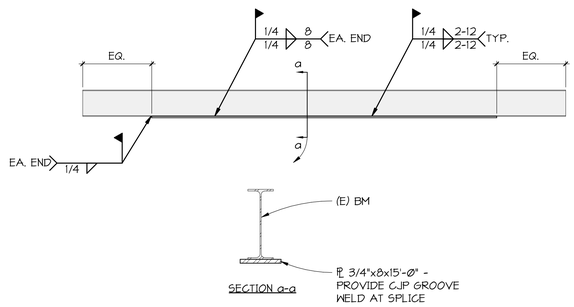
ALLOWABLE METHODS AND LOCATIONS FOR HANGING LOADS FROM STEEL JOIST

5/S21-01 DETAIL
NO SCALE

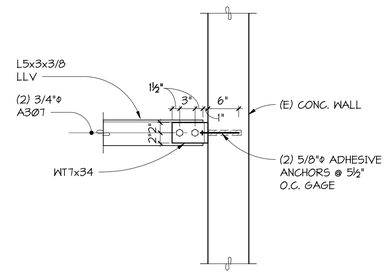


TYPICAL BRIDGING INTERRUPTED BY DUCT OR UNIT

6/S21-01 DETAIL
NO SCALE



7/S21-01 SECTION
1" = 1'-0"



8/S21-01 SECTION
1" = 1'-0"

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

STEEL DETAILS

SHEET NUMBER

S21-01

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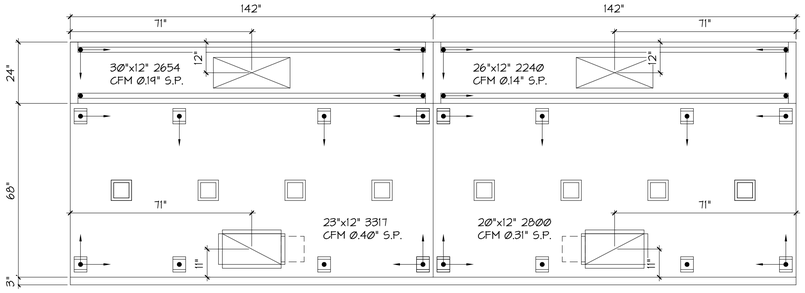
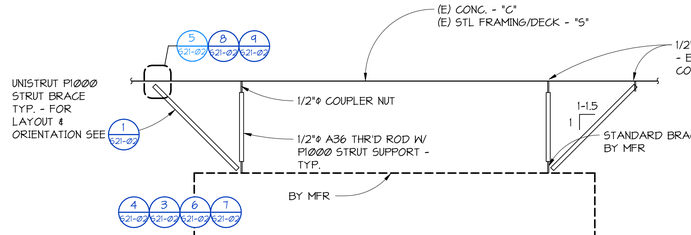


FRAMING NOTES:

1. ●—— INDICATES 1/2" DIAMETER ALL THREAD ROD WITH P1000 STRUT SUPPORT AND P1000 BRACE UP TO STRUCTURE. ARROW END OF BRACE INDICATES THE END WHICH CONNECTS TO STRUCTURE. SEE DETAIL 2/521-02 FOR TYPICAL CONNECTION INFORMATION.
2. ● INDICATES 1/2" DIAMETER ALL THREAD ROD WITH P1000 STRUT SUPPORT. SEE DETAIL 2/521-02 FOR TYPICAL CONNECTION INFORMATION.

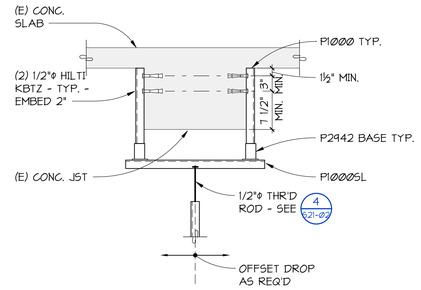
1 / 521-02 PLAN
1/2" = 1'-0"



NOTES:
1. SUPPORTS SHALL BE LOCATED AS REQUIRED BY THE HOOD MANUFACTURER. SUPPORT AND BRACING DETAILS VARY BASED ON LOCATIONS.
2. EACH HOOD SHALL HAVE BRACES WITH OPPOSING ORIENTATION AS SHOWN ON 1/21-01.
3. PROVIDE 1/2"Φ BOLTS AND CHANNEL NUTS AT ALL STRUT CONNECTIONS UNLESS NOTED OTHERWISE. PROVIDE ADDITIONAL HARDWARE AT CONNECTIONS AS REQUIRED BY MANUFACTURER. INSTALL PER PUBLISHED REGOMENDATIONS.
4. ALL PXXXX STRUTS AND STRUT HARDWARE BY UNISTRUT OR PRE-APPROVED EQUAL.

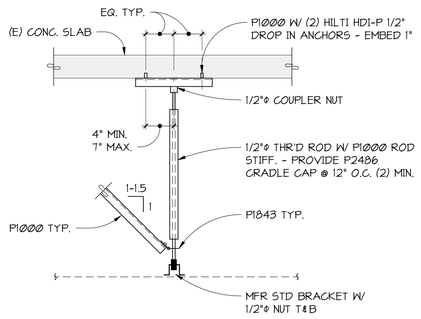
LIFT SUPPORT AT EXISTING FRAMING

2 / 521-02 SECTION
NO SCALE



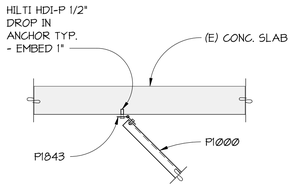
ALTERNATE DROP DETAIL AT CONCRETE JOIST AS REQUIRED

3 / 521-02 SECTION
NO SCALE



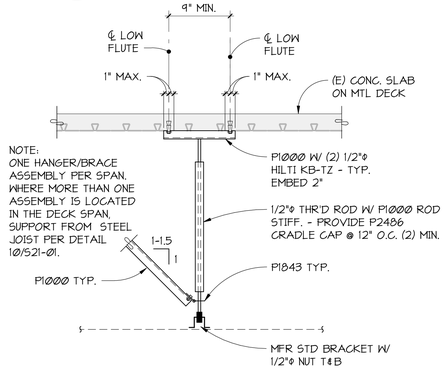
TYPICAL SUPPORT AT SLAB

4 / 521-02 DETAIL
NO SCALE



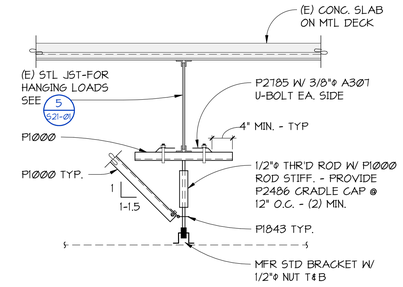
TYPICAL BRACE AT SLAB

5 / 521-02 DETAIL
NO SCALE



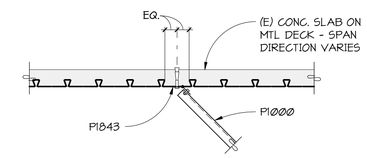
TYPICAL SUPPORT AT SLAB ON METAL DECK

6 / 521-02 DETAIL
NO SCALE



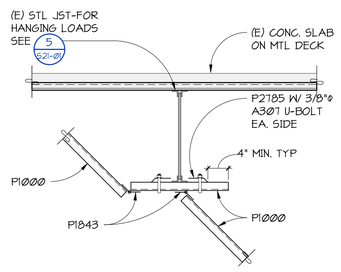
TYPICAL SUPPORT AT STEEL BEAM

7 / 521-02 DETAIL
NO SCALE



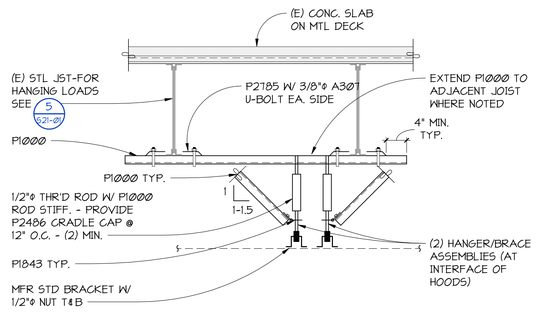
TYPICAL BRACE AT SLAB ON METAL DECK

8 / 521-02 DETAIL
NO SCALE



TYPICAL BRACE AT BOTTOM OF STEEL BEAM

9 / 521-02 DETAIL
NO SCALE



TYPICAL BRACE AT WEB OF STEEL BEAM

10 / 521-02 DETAIL
NO SCALE

Perkins&Will
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1004 Madison St,
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EBD SERVICES
14900 Interurban Ave S. #143
Seattle, WA 98168

TURNER & TOWNSEND
920 Fifth Avenue,
Seattle, WA, 98104

PHASE 1 PERMIT SET 24/04/2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

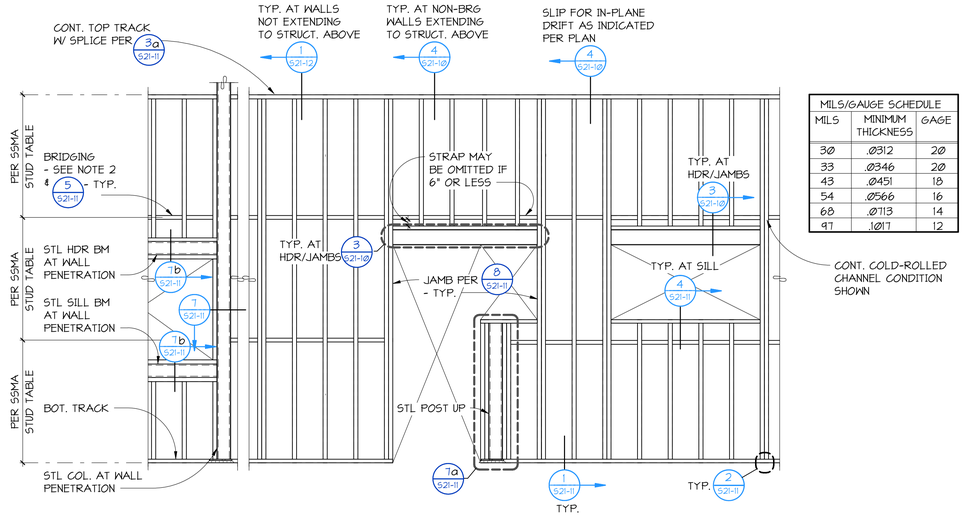
TITLE

STEEL DETAILS

SHEET NUMBER

S21-02

4/17/2025 3:05:16 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/STRU-MultiCare-Kitchen-R25.rvt



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 2/S21-10 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 5/S-LGM3 NOTE #1.
3. FOR TYPICAL COLD-FORMED STEEL JOIST CEILING FRAMING SCHEDULE AND DETAIL - SEE 4/S21-12.
4. ALL WELDS SHALL BE 1/8" FILLET MAXIMUM. FOR MATERIALS THINNER THAN 0.15", 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, ETC. FOR TYPICAL ALLOWABLE PUNCHOUT DETAIL - SEE 6/S21-11.
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 3b/S21-11.
8. FOR POWER ACTUATED FASTENER REQUIREMENTS - SEE GENERAL NOTES.

TYPICAL NON-BEARING COLD-FORMED STEEL STUD WALL FRAMING

1 ELEVATION
S21-10 NO SCALE

EXTERIOR NON-BEARING COLD-FORMED STEEL WALL STUDS WITH MASONRY VENEER 15 PSF (ASD) WIND LOAD, L/600 DEFLECTION LIMIT					
REQUIRED BRIDGING TYPE	STUD SIZE	STUD MIL			
		33 MIL	43 MIL	54 MIL	68 MIL
		STUDS SPACED @ 16" O.C. MAXIMUM			
		MAXIMUM STUD HEIGHT ALLOWED			
1 OR 2 OR 3	400S137	SEE NOTE #3	11'-4"	12'-1"	21'-11"
	400S162		11'-10"	12'-8"	13'-7"
	400S200		12'-6"	13'-5"	14'-4"
	600S137		15'-7"	16'-9"	17'-11"
	600S162		16'-3"	17'-6"	18'-9"
	600S200		17'-1"	18'-4"	19'-8"
1 OR 3	800S137		19'-6"	21'-0"	22'-9"
	800S162		20'-4"	21'-10"	23'-7"
	800S200		21'-6"	23'-1"	24'-9"

EXTERIOR NON-BEARING COLD-FORMED STEEL WALL STUDS 15 PSF (ASD) LOAD, L/360 DEFLECTION LIMIT					
REQUIRED BRIDGING TYPE	STUD SIZE	STUD MIL			
		33 MIL	43 MIL	54 MIL	68 MIL
		STUDS SPACED @ 16" O.C. MAXIMUM			
		MAXIMUM STUD HEIGHT ALLOWED			
1 OR 2 OR 3	400S137	12'-4"	13'-5"	14'-4"	15'-4"
	400S162	12'-11"	14'-0"	15'-1"	16'-1"
	400S200	13'-7"	14'-10"	15'-11"	17'-0"
	600S137	16'-6"	18'-6"	19'-10"	21'-3"
	600S162	17'-4"	19'-4"	20'-9"	22'-3"
	600S200	18'-7"	20'-3"	21'-9"	23'-4"
1 OR 3	800S137	18'-10"	22'-10"	24'-11"	26'-11"
	800S162	20'-6"	24'-1"	25'-11"	28'-0"
	800S200	22'-0"	25'-5"	27'-3"	29'-4"

EXTERIOR NON-BEARING COLD-FORMED STEEL WALL STUDS WITH MASONRY VENEER 20 PSF (ASD) WIND LOAD, L/600 DEFLECTION LIMIT					
REQUIRED BRIDGING TYPE	STUD SIZE	STUD MIL			
		33 MIL	43 MIL	54 MIL	68 MIL
		STUDS SPACED @ 16" O.C. MAXIMUM			
		MAXIMUM STUD HEIGHT ALLOWED			
1 OR 2 OR 3	400S137	SEE NOTE #3	10'-3"	11'-0"	11'-9"
	400S162		10'-9"	11'-6"	12'-4"
	400S200		11'-4"	12'-2"	13'-0"
	600S137		14'-2"	15'-2"	16'-3"
	600S162		14'-9"	15'-10"	17'-0"
	600S200		15'-6"	16'-8"	17'-11"
1 OR 3	800S137		17'-9"	19'-1"	20'-8"
	800S162		18'-5"	19'-10"	21'-6"
	800S200		19'-6"	20'-11"	22'-6"

EXTERIOR NON-BEARING COLD-FORMED STEEL WALL STUDS 20 PSF (ASD) LOAD, L/360 DEFLECTION LIMIT					
REQUIRED BRIDGING TYPE	STUD SIZE	STUD MIL			
		33 MIL	43 MIL	54 MIL	68 MIL
		STUDS SPACED @ 16" O.C. MAXIMUM			
		MAXIMUM STUD HEIGHT ALLOWED			
1 OR 2 OR 3	400S137	10'-11"	11'-11"	12'-9"	13'-7"
	400S162	11'-5"	12'-5"	13'-4"	14'-3"
	400S200	12'-0"	13'-2"	14'-1"	15'-1"
	600S137	15'-1"	16'-5"	17'-7"	18'-10"
	600S162	15'-9"	17'-2"	18'-5"	19'-8"
	600S200	16'-6"	18'-0"	19'-4"	20'-9"
1 OR 3	800S137	-	20'-9"	22'-4"	23'-11"
	800S162	-	21'-7"	23'-2"	24'-11"
	800S200	-	22'-7"	24'-3"	26'-1"

INTERIOR NON-BEARING COLD-FORMED STEEL WALL STUDS 5 PSF (ASD) LIVE LOAD, L/360 DEFLECTION LIMIT			
REQUIRED BRIDGING TYPE	STUD SIZE	STUD MIL	
		18 MIL	33 MIL
		STUD SPACING	
		16" O.C.	16" O.C.
		MAXIMUM STUD HEIGHT ALLOWED	
4	1625125	8'-2"	8'-5"
	2505125	9'-10"	11'-2"
	3625125	12'-4"	14'-3"
	4005125	13'-4"	15'-11"
	6005125	17'-11"	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"
1 OR 3 OR 4	800S137	30'-0"	32'-2"
	800S162	31'-2"	33'-6"
	800S200	32'-7"	35'-0"

NOTES:

1. FOR TYPICAL COLD-FORMED STEEL WALL STUD BRIDGING DETAIL SEE 5/S-LGM3.
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.

2 SCHEDULE
S21-10 NO SCALE

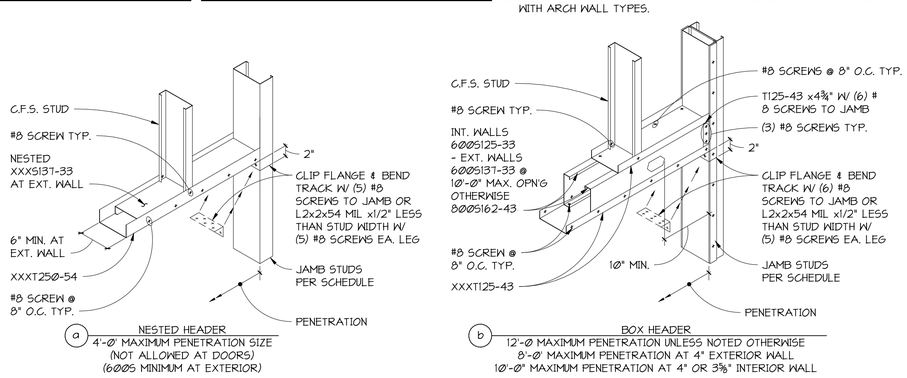
EXTERIOR NON-BEARING COLD FORMED STEEL STUD WALL PENETRATION JAMB SCHEDULE 15 PSF (ASD) WIND LOAD									
STUD SIZE AND MIL	MAXIMUM PENETRATION (FEET)	MINIMUM NUMBER STUD(S) AT JAMB							
		(1)		(2)		(3)		(4)	
		HORIZONTAL DEFLECTION LIMIT OF WALL HEIGHT							
		L / 360	L / 600	L / 360	L / 600	L / 360	L / 600	L / 360	L / 600
		MAXIMUM JAMB HEIGHT (FEET)							
400S137-33	4	10	9	13	11	15	13	16	-
	8	-	-	10	9	12	10	13	11
600S137-33	4	13	12	16	15	16	16	16	16
	8	-	-	10	10	15	14	16	15
	12	-	-	-	-	10	10	13	13
800S162-43	4	16	16	16	16	16	16	16	16
	8	14	14	16	16	16	16	16	16
	12	11	11	13	13	16	16	16	16

EXTERIOR NON-BEARING COLD FORMED STEEL STUD WALL PENETRATION JAMB SCHEDULE 20 PSF (ASD) WIND LOAD									
STUD SIZE AND MIL	MAXIMUM PENETRATION (FEET)	MINIMUM NUMBER STUD(S) AT JAMB							
		(1)		(2)		(3)		(4)	
		HORIZONTAL DEFLECTION LIMIT OF WALL HEIGHT							
		L / 360	L / 600	L / 360	L / 600	L / 360	L / 600	L / 360	L / 600
		MAXIMUM JAMB HEIGHT (FEET)							
400S137-33	4	9	-	12	10	14	11	15	13
	8	-	-	-	-	11	9	12	10
600S137-33	4	11	11	15	14	16	16	16	16
	8	-	-	-	-	11	11	15	14
	12	-	-	-	-	-	-	10	10
800S162-43	4	16	16	16	16	16	16	16	16
	8	12	12	16	16	16	16	16	16
	12	9	9	11	11	12	12	16	16

INTERIOR NON-BEARING COLD FORMED STEEL STUD WALL PENETRATION JAMB SCHEDULE 5 POUNDS PER SQUARE FOOT (ASD) LIVE LOAD - L/360								
STUD SIZE AND MIL	MAXIMUM PENETRATION (FEET)	MINIMUM NUMBER OF BUILT-UP STUDS AT JAMB			STUD DEPTH	STUD WIDTH AND MIL	MAXIMUM PENETRATION WIDTH (FEET) WITH SINGLE JAMB STUD		
		(2)	(3)	(4)			(4)	(8)	(12)
		MAXIMUM JAMB HEIGHT (FEET)					MAXIMUM JAMB HEIGHT (FEET)		
362S125-33 OR 400S125-33	4	12	15	-	362S OR 400S	125-33	10	-	-
						137-43	12	-	-
						162-54	13	11	-
						200-54	14	12	10
	8	10	12	14					
600S125-33	4	16	-	-	600S	125-33	11	-	-
						137-43	14	-	-
	8	13	16	-		162-54	-	15	-
						200-54	-	-	15
	12	9	14	16					

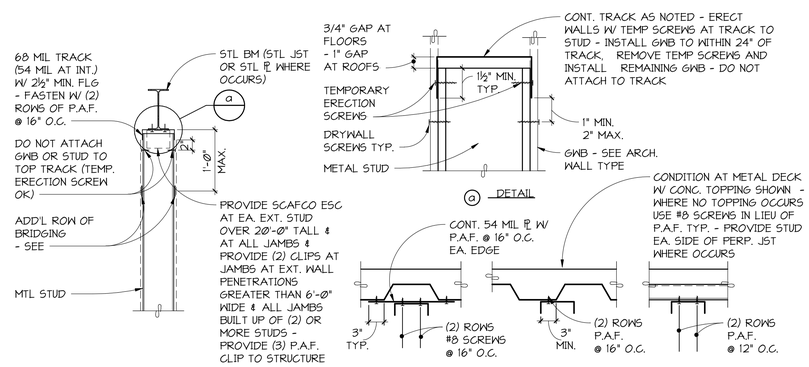
NOTES:

1. BOXED JAMB STUDS SHOWN. BACK-TO-BACK JAMB STUDS PERMITTED AT CONTRACTOR'S OPTION. FOR DETAIL SEE 8/S-LGM3.
2. FOR CONNECTION TO STRUCTURE ABOVE - SEE 4/S-LGM2 & 1/S-LGM4.
3. FOR CONNECTION TO STRUCTURE BELOW - SEE 1/S-LGM3.
4. HEADER AND STUDS SHALL BE CONTINUOUS - NO SPLICES ALLOWED.
5. 1/600 APPLIES TO WALLS WITH MASONRY VENEER - COORDINATE WITH ARCH WALL TYPES.



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

3 DETAIL
S21-10 NO SCALE



TYPICAL NON-BEARING CFS WALL EXTENDING TO STRUCTURE ABOVE

4 SECTION
S21-10 NO SCALE

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PHASE 1 PERMIT SET 24/04/2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

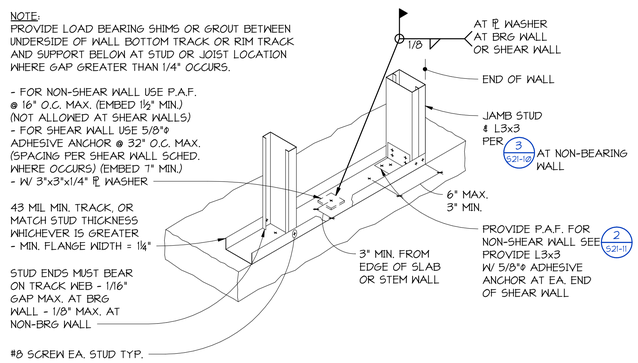
TITLE

COLD FORMED STEEL FRAMING DETAILS

SHEET NUMBER

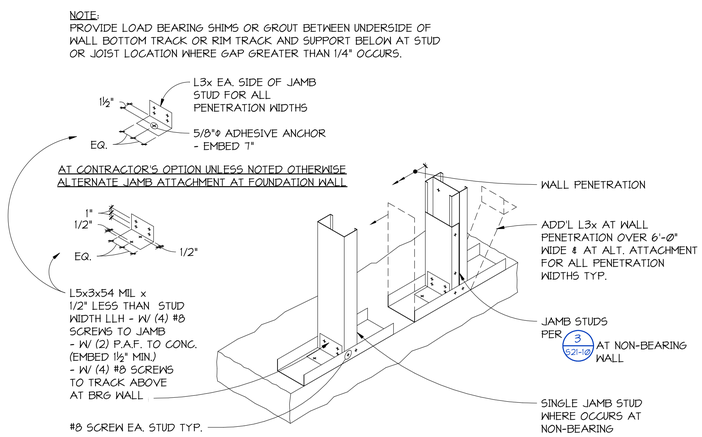
S21-10

4/17/2025 3:05:08 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/STRUM/MultiCare-Kitchen-R25.rvt



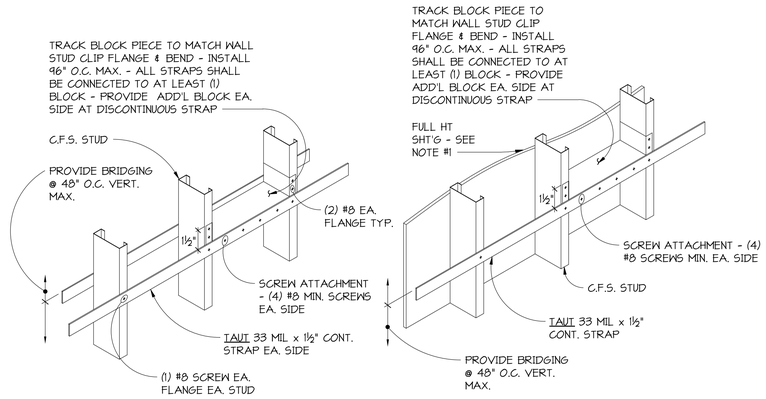
TYPICAL COLD-FORMED STEEL STUD AND TRACK ATTACHMENT

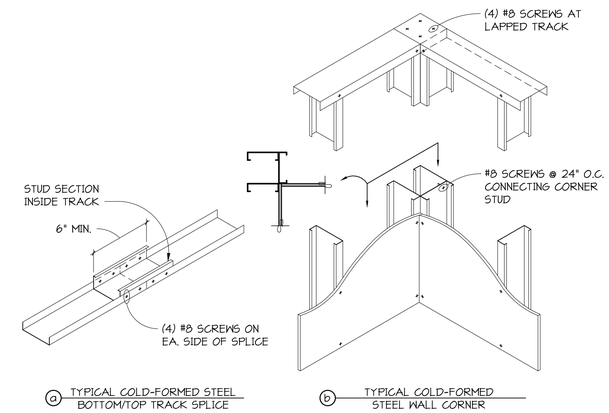
1 S21-11 DETAIL
NO SCALE



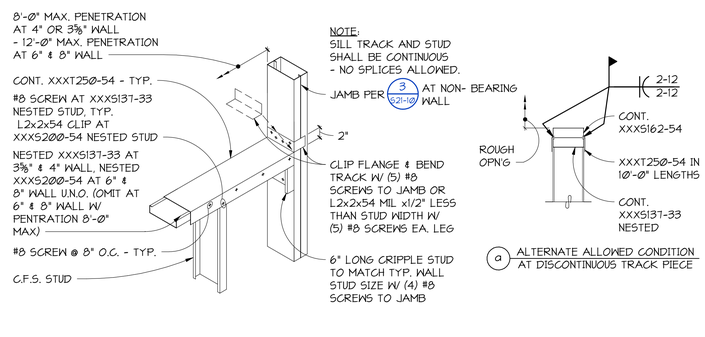
TYPICAL COLD-FORMED STEEL JAMB STUD ATTACHMENT

2 S21-11 DETAIL
NO SCALE



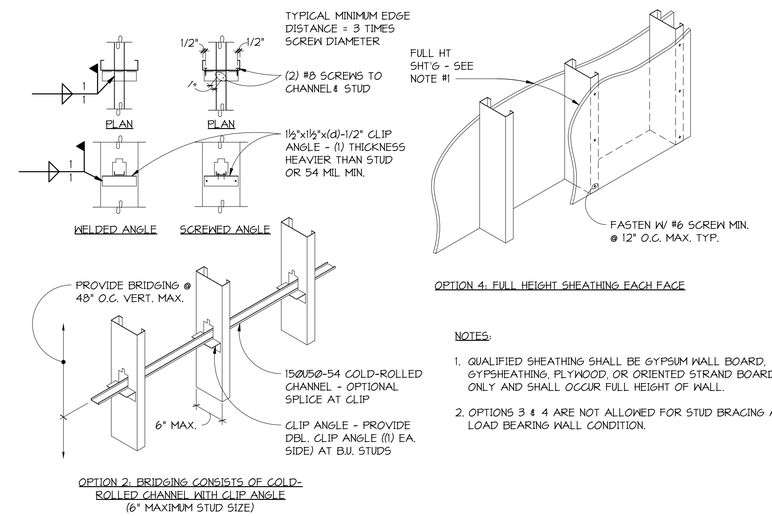


3 S21-11 DETAIL
NO SCALE



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

4 S21-11 DETAIL
NO SCALE

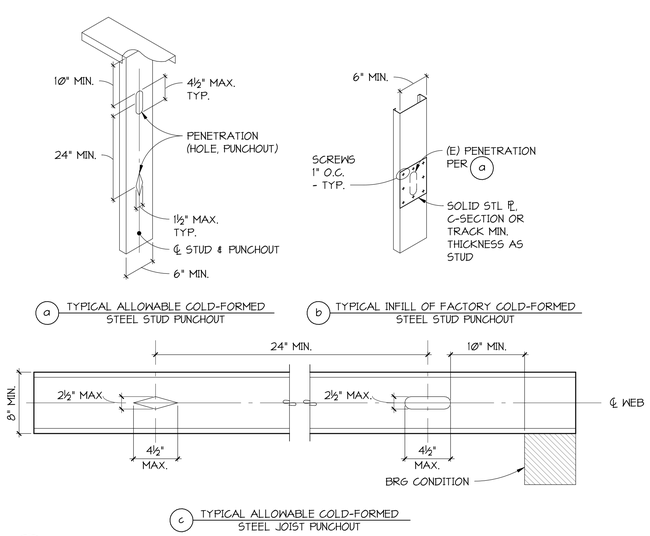


NOTES:

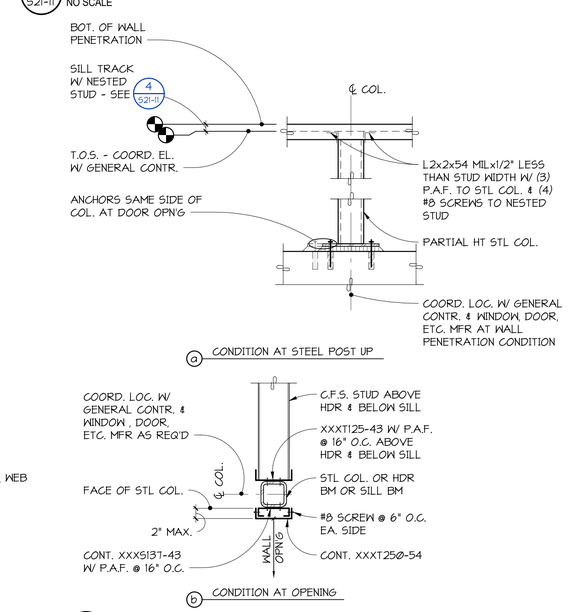
1. QUALIFIED SHEATHING SHALL BE GYPSUM WALL BOARD, GYPSHEATHING, PLYWOOD, OR ORIENTED STRAND BOARD ONLY AND SHALL OCCUR FULL HEIGHT OF WALL.
2. OPTIONS 3 & 4 ARE NOT ALLOWED FOR STUD BRACING AT LOAD BEARING WALL CONDITION.

TYPICAL BRIDGING AT COLD-FORMED STEEL WALL

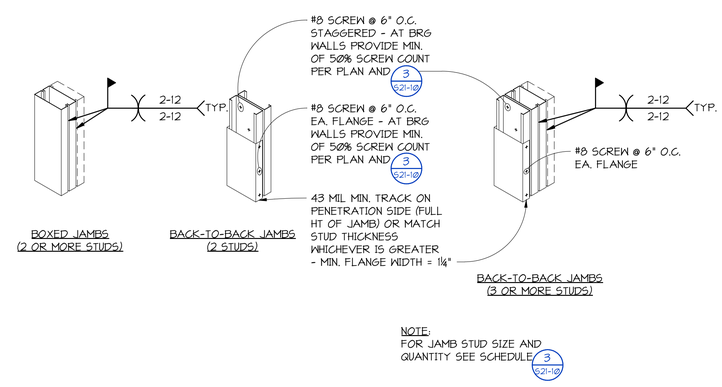
5 S21-11 DETAIL
NO SCALE



6 S21-11 DETAIL
NO SCALE



7 S21-11 DETAIL
NO SCALE



TYPICAL JAMB STUD CONFIGURATIONS AT BEARING WALLS

8 S21-11 DETAIL
NO SCALE

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TURNER & TOWNSEND
920 Fifth Avenue,
Seattle, WA, 98104

PHASE 1 PERMIT SET 24/04/2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

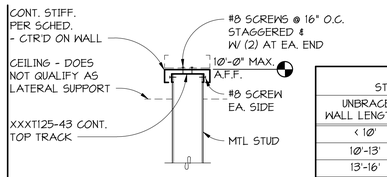
TITLE

COLD FORMED STEEL FRAMING DETAILS

SHEET NUMBER

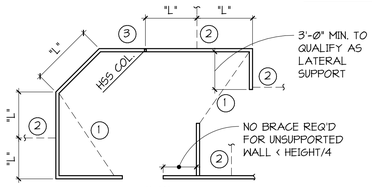
S21-11

4/17/2025 3:05:11 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/STRU-MultiCare-Kitchen-R25.rvt



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



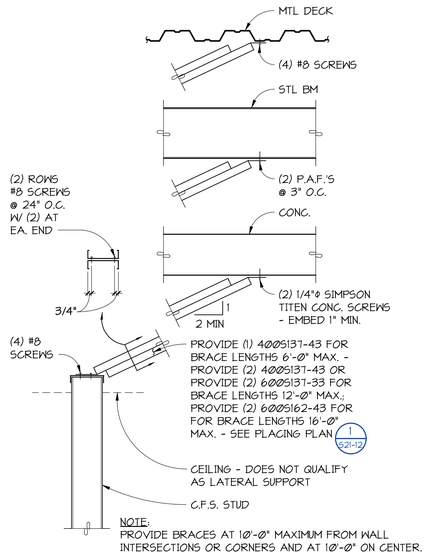
PLAN

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/S21-12.
   2. INDICATES BRACE UP TO STRUCTURE - SEE 2/S21-12.
   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

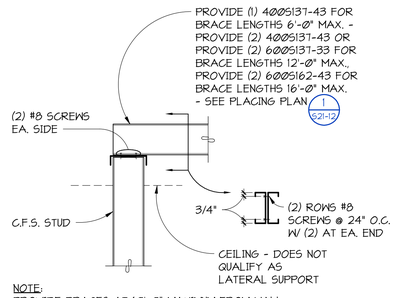
1 / S21-12 **DETAIL**
NO SCALE



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

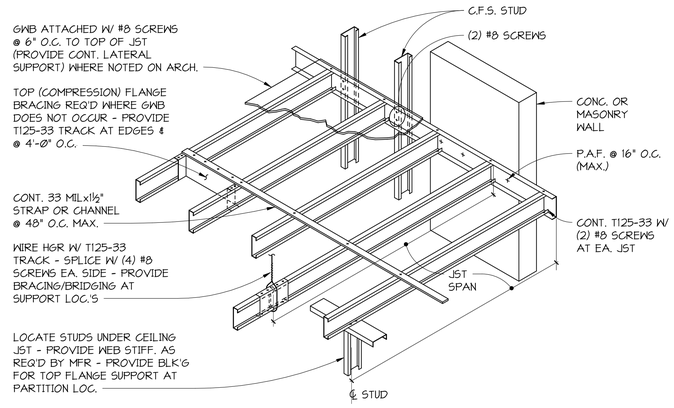
2 / S21-12 **DETAIL**
NO SCALE



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 / S21-12 **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											
	18 MIL						33 MIL					
	JOIST SPACING											
	12" O.C.		16" O.C.		24" O.C.		12" O.C.		16" O.C.		24" O.C.	
	NUMBER OF CONTINUOUS SPANS											
	ONE	TWO+	ONE	TWO+	ONE	TWO+	ONE	TWO+	ONE	TWO+	ONE	TWO+
	MAXIMUM JOIST SPAN ALLOWED											
250S	6'-9"	6'-11	5'-4"	5'-9"	-	4'-4"	8'-3"	10'-0"	7'-6"	8'-9"	6'-4"	7'-1"
362S	7'-3"	6'-8"	5'-5"	5'-3"	-	-	11'-0"	13'-3"	10'-0"	11'-6"	8'-4"	9'-4"
400S	9'-0"	6'-3"	7'-6"	4'-10"	5'-0"	-	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 / S21-12 **DETAIL**
NO SCALE

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PHASE 1 PERMIT SET 24/04/2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

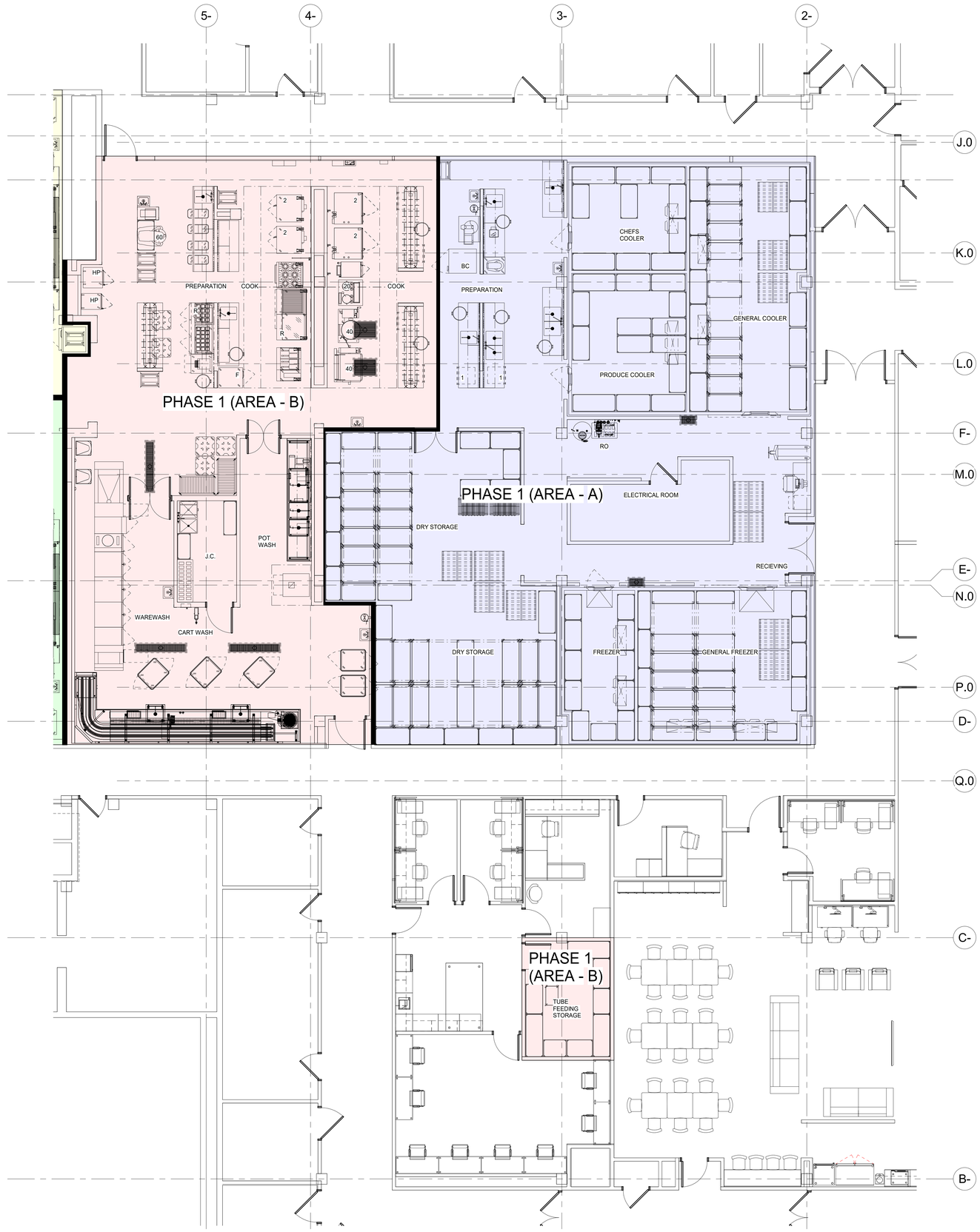
TITLE

NON-BEARING COLD FORMED STEEL DETAILS

SHEET NUMBER

S21-12

4/17/2025 3:05:13 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/STRU-MultiCare-Kitchen-R25.rvt



1 PHASE 1 OVERALL
3/16" = 1'-0"

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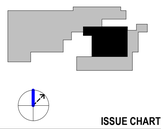
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

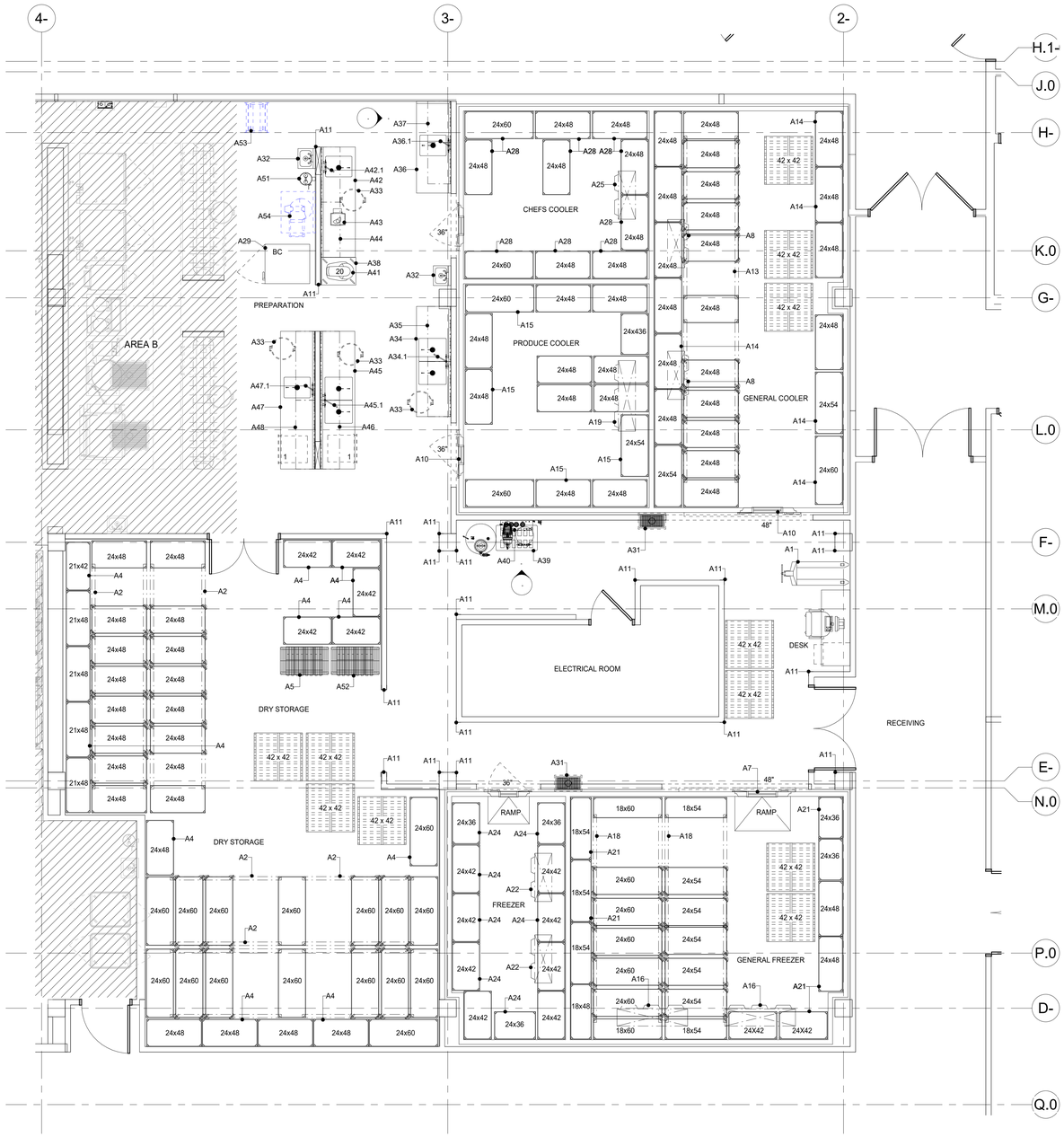
TITLE

PHASE 1 OVERALL

SHEET NUMBER

FS01-00

4/18/2025 3:45:05 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-MultiCare-Kitchen-Base-R25.rvt



1 PHASE 1 (AREA - A) EQUIPMENT PLAN
1/4" = 1'-0"

PHASE 1 (AREA - A) SCHEDULE OF EQUIPMENT

ITEM	QTY.	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
A1	1	PALLET JACK	-	-	BY OWNER
A2	LOT	DRY STORAGE QUICK TRAK SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
A3	-	SPARE NUMBER	-	-	-
A4	LOT	DRY STORAGE SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
A5	1	CAN RACK	METRO	CR4	-
A6	-	SPARE NUMBER	-	-	-
A7	1	WALK-IN FREEZER ASSEMBLY	IMPERIAL BROWN	CUSTOM	-
A8	2	BLOWER COIL + 35°	IMPERIAL BROWN	CUSTOM	FOR GENERAL COOLER
A9	1	REMOTE CONDENSING UNIT	IMPERIAL BROWN	CUSTOM	FOR GENERAL COOLER SEE FS04-A.1
A10	1	WALK-IN COOLER ASSEMBLY	IMPERIAL BROWN	CUSTOM	-
A11	LOT	S/S CORNER GUARD	FABRICATOR	CUSTOM	-
A12	5	CONDENSING UNIT STAND	-	-	BY GENERAL CONTRACTOR
A13	LOT	GENERAL COOLER QUICK TRAK SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
A14	LOT	GENERAL COOLER STORAGE SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
A15	LOT	PRODUCE COOLER STORAGE SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
A16	2	BLOWER COIL - 10°	IMPERIAL BROWN	CUSTOM	FOR GENERAL FREEZER
A17	1	REMOTE CONDENSING UNIT	IMPERIAL BROWN	CUSTOM	FOR GENERAL FREEZER SEE FS04-A.1
A18	LOT	GENERAL FREEZER QUICK TRAK SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
A19	1	BLOWER COIL + 35°	IMPERIAL BROWN	CUSTOM	FOR PRODUCE COOLER
A20	1	REMOTE CONDENSING UNIT	IMPERIAL BROWN	CUSTOM	FOR PRODUCE COOLER SEE FS04-A.A
A21	LOT	GENERAL FREEZER STORAGE SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
A22	2	BLOWER COIL -10°	IMPERIAL BROWN	CUSTOM	FOR FREEZER
A23	1	REMOTE CONDENSING UNIT	IMPERIAL BROWN	CUSTOM	FOR FREEZER SEE FS04-A.1
A24	LOT	FREEZER STORAGE SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
A25	1	BLOWER COIL +35°	IMPERIAL BROWN	CUSTOM	FOR CHEFS COOLER
A26	1	REMOTE CONDENSING UNIT	IMPERIAL BROWN	CUSTOM	FOR CHEFS COOLER SEE FS04-A.A
A27	-	SPARE NUMBER	-	-	-
A28	LOT	CHEFS COOLER STORAGE SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
A29	1	BLAST CHILLER / SHOCK FREEZER	IRINOX	EASYFRESH NEXT LL	-
A30	-	SPARE NUMBER	-	-	-
A31	2	S/S STANDARD FLOOR TROUGH W/ GRATE	IMC TEDDY	CUSTOM	SIZE AS SHOWN PER PLAN
A32	2	HAND SINK W/ SIDE SPLASHES	ADVANCE TABCO	7-PS-66W	-
A33	4	MOBILE TRASH RECEPTACLE W/ DOLLY / LID	-	-	BY OWNER
A34	1	PREPARATION TABLE W/ SINKS	FABRICATOR	CUSTOM	-
A34.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT	-
A35	1	SMART WALL G3 (TALL WALL)	METRO	CUSTOM	GREY
A36	1	PREPARATION TABLE W/ SINK	FABRICATOR	CUSTOM	-
A36.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT MOD 060X	-
A37	1	SMART WALL G3 (TALL WALL)	METRO	CUSTOM	GREY
A38	1	MOBILE MIXER STAND	FABRICATOR	CUSTOM	W/ UTILITY TREE
A39	1	DUNNAGE RACK	METRO	HP2236PDMB	-
A40	1	REVERSE OSMOSIS SYSTEM	EVERPURE	BWS1500/50 HF	W/ EBV EV999998 BYPASS VALVE
A41	1	20 QT. MIXER	HOBART	HL200	-
A42	1	PREPARATION TABLE W/ SINK	FABRICATOR	CUSTOM	-
A42.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT MOD 060X	-
A43	1	FOOD PROCESSOR	ROBOT COUPE	R502	-
A44	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
A45	1	PREPARATION TABLE W/ SINKS	FABRICATOR	CUSTOM	-
A45.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT	-
A46	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
A47	1	PREPARATION TABLE W/ SINK	FABRICATOR	CUSTOM	-
A47.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT MOD 060X	-
A48	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
A49	-	SPARE NUMBER	-	-	-
A50	-	SPARE NUMBER	-	-	-
A51	1	EYE WASH STATION	T&S BRASS	EW-7360B-TMV	-
A52	1	CAN RACK	NEW AGE	-	EXISTING / RE-LOCATED
A53	3	MOBILE PAN RACK	-	-	EXISTING / RE-LOCATED
A54	1	BUFFALO CHOPPER W/ STAND	HOBART	84181	EXISTING / RE-LOCATED

GENERAL NOTES

PLEASE DISREGARD ANY NOTES THAT DO NOT APPLY TO THIS PROJECT

DIMENSION SHOWN ARE DESIGN PURPOSES ONLY & ARE TO BE CONSIDERED FROM FINISHED WALLS. ALL DIMENSIONS GIVEN MUST BE FIELD VERIFIED BEFORE FINAL PLANS ARE SUBMITTED.

THESE DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTIONS W/THE WRITTEN FOODSERVICE EQUIPMENT SPECIFICATIONS AS WRITTEN BY INMAN FOODSERVICES GROUP & IN COORDINATION W/ARCHITECTURAL/ENGINEERING DRAWINGS AS AN AID TO ALL CONTRACTORS INVOLVED W/FOODSERVICE EQUIPMENT.

INDICATED MECHANICAL, ELECTRICAL & PLUMBING INFORMATION & OUTLETS HAVE BEEN LOCATED AS ACCURATELY AS CAN BE DETERMINED & ARE INTENDED TO SUIT REQUIREMENTS OF FIXTURES & EQUIPMENT AS SPECIFIED IN THIS CONTRACT DOCUMENT SET. INMAN FOODSERVICES GROUP SHALL NOT BE RESPONSIBLE FOR ANY DISCREPANCIES WHICH MAY DEVELOP BETWEEN LOCATIONS OF CONNECTIONS SHOWN & ACTUAL LOCATIONS OF CONNECTIONS OF FIXTURE FURNISHED.

CONNECTIONS SHOWN ON THESE PLANS ARE APPROXIMATE LOCATIONS ON FIXTURES, EXCEPT WHERE OTHERWISE NOTED & ALLOWANCES MUST BE MADE FOR TRAPS, VALVES, SWITCHES OR OTHER CONNECTIONS REQUIREMENTS SO AS NOT TO INTERFERE W/OPERATIONS OF ITEMS OF FOODSERVICE EQUIPMENT.

KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH THE DIMENSIONED EQUIPMENT LAYOUT PLAN & MECHANICAL, ELECTRICAL & PLUMBING ROUGH-IN DRAWINGS AS PER THE WRITTEN SPECIFICATIONS AS DETAILED UNDER 1.22 SUBMITTALS REQUIREMENTS & APPROVALS.

THE KITCHEN EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DISCREPANCIES BETWEEN THE CONNECTIONS SHOWN HEREIN & THOSE REQUIRED FOR THE ACTUAL EQUIPMENT FURNISHED AS A RESULT OF SUBSTITUTIONS OR CHANGES INITIATED BY THE KITCHEN EQUIPMENT CONTRACTOR. THE KITCHEN EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ANY & ALL RE-ENGINEERED OR REDESIGN COST INCURRED BY SAID SUBSTITIONS OR CHANGES.

CONNECTIONS, LOADS & CONSUMPTION SHOWN ON UTILITY CONNECTIONS PLANS ARE FOR ONE UNIT. TO DETERMINE TOTAL REQUIREMENTS MULTIPLY BY NUMBER IN EQUIPMENT SPECIFICATIONS.

CONSUMPTION RATES SHOWN ON CONNECTION PLANS ARE MAXIMUM RATES ONLY ACTUAL CONSUMPTION WILL DEPEND UPON THE TOTAL HOURS THE VARIOUS EQUIPMENT ITEMS ARE OPERATED.

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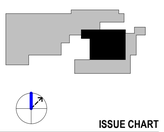


ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

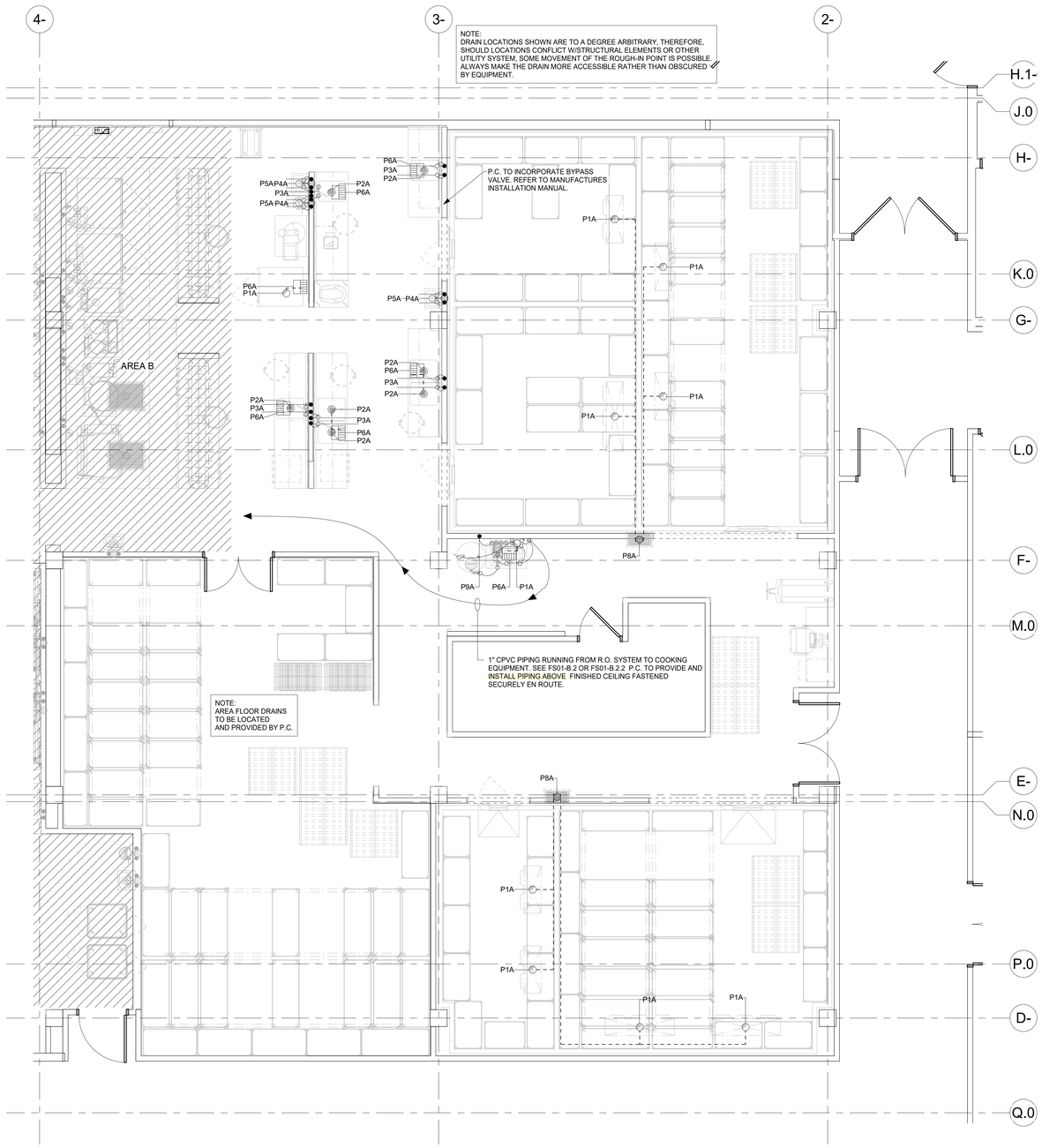
TITLE

PHASE 1 (AREA - A) EQUIPMENT PLAN AND SCHEDULE

SHEET NUMBER

FS01-A.1

4/22/2025 11:03:28 AM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-A-R25.rvt



1 PHASE 1 (AREA - A) PLUMBING PLAN
1/4" = 1'-0"

PHASE 1 (AREA - A) PLUMBING CONNECTIONS SCHEDULE

NUMBER	SIZE	DESCRIPTION	LOCATION	A.F.F.	SERVICE TO	ITEM NO.	REMARKS
P1A	1"	INDIRECT WASTE	-	-	AIR GAP DRAIN	-	-
P2A	2"	INDIRECT WASTE	-	-	AIR GAP DRAIN	-	-
P3A	1/2"	HOT & COLD WATER	WALL	18"	SUPPLY	-	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P4A	1/2"	HOT & COLD WATER	WALL	20"	HAND SINK / EYE WASH	A32 / A51	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P5A	1-1/2"	DIRECT WASTE	WALL	22"	HAND SINK / EYE WASH	A32 / A51	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P6A	-	FLOOR SINK	-	-	-	-	-
P7A	-	SPARE NUMBER	-	-	-	-	-
P8A	4"	DIRECT WASTE	FLOOR	STUB	FLOOR TROUGH	A31	-
P9A	1/2"	COLD WATER	WALL	60"	REVERSE OSMOSIS SYSTEM	A40	P.C. TO BRANCH TO CONNECTION AS REQUIRED

PLUMBING NOTES

PLEASE DISREGARD ANY NOTES THAT DO NOT APPLY TO THIS PROJECT

ALL DIMENSIONS ARE FROM FINISHED WALLS, FLOORS, CEILINGS &/OR FROM CENTERLINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY THE KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO-FINISH" UNLESS OTHERWISE NOTED.

UTILITIES SHOWN ARE FOR ITEMS OF FOODSERVICE EQUIPMENT ONLY & ARE THE MINIMUM REQUIRED TO OPERATE EQUIPMENT. LOCATIONS OF ANY ADDITIONAL PLUMBING UTILITIES WHICH MAY BE REQUIRED SHALL BE DETERMINED BY THE ARCHITECT/ ENGINEER.

PLUMBING PLAN SHOWS OUTLET & CONNECTIONS LOCATIONS W/CAPACITIES. FOR ACTUAL ROUGH-IN LOCATIONS, REFER TO DIMENSIONED DRAWINGS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

FINAL PLUMBING CONNECTIONS INCLUDING MOUNTING OF DRAINS, FAUCETS & PIPING FROM POINT-OF-CONNECTIONS ON EQUIPMENT TO BUILDING PLUMBING SYSTEM & INTERCONNECTIONS BETWEEN EQUIPMENT COMPONENTS SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

PLUMBING CONTRACTOR SHALL PROVIDE FINAL INTERCONNECTIONS BETWEEN EQUIPMENT & UTILITY DISTRIBUTION SYSTEM. QUICK DISCONNECT HOSES SHALL BE FURNISHED LOOSE BY THE KITCHEN EQUIPMENT CONTRACTOR.

ALL PLUMBING MATERIALS, INCLUDING PIPE, TRAPS, STOPS, VALVES, FITTINGS, SHUT-OFFS, WATER HAMMER ARRESTORS, PRESSURE REDUCING VALVES, GAUGES, UNIONS & INSULATION SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

PLUMBING CONTRACTOR SHALL INSTALL ALL FAUCETS & PLUMBING ACCESSORIES PROVIDED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR.

UTILITIES (GAS, WATER & STEAM) SHALL BE CONCEALED IN WALLS & STUBBED-OUT OF FINISHED WALLS. 6" PIPING STUBBED OUT OF THE FLOOR OR WALL & RUN EXPOSED SHALL NOT BE ACCEPTABLE & IS IN VIOLATION OF HEALTH DEPARTMENT CODES. ALL PENETRATIONS SHALL BE SEALED & WATER TIGHT.

ALL EXPOSED PIPING SHALL BE CHROME PLATED TO SATISFY LOCAL HEALTH DEPARTMENT.

PLUMBING COMPONENTS, PROVIDED BY PLUMBING CONTRACTOR INCLUDING VALVES, TRAPS, SHUT-OFFS, GAUGES AND CONNECTIONS SHALL NOT INTERFERE IN ANY WAY W/THE OPERATION OF ITEMS OF FOODSERVICE.

WATER PRESSURE IN EQUIPMENT AREA SHOULD NOT EXCEED 50 PSI IN BOTH HOT & COLD WATER SUPPLY LINES. THE WATER PRESSURE TO DISHWASHERS, GLASSWASHERS & BOOSTER HEATERS SHOULD NOT EXCEED 25 PSI. PRESSURE REDUCING VALVES PROVIDED BY PLUMBING CONTRACTOR MUST MEET EQUIPMENT MANUFACTURER'S FLOOR RECOMMENDATIONS.

FLOOR SINKS SHALL BE INSTALLED FLUSH W/FINISHED FLOOR W/OR WITHOUT GRATE COVER AS INDICATED ON PLAN.

ALL LINES SHALL BE FLUSHED FREE OF FOREIGN MATTER & LINE STRAINERS & FAUCET AERATORS CLEANED PRIOR TO MAKE-UP OF FINAL UTILITY CONNECTIONS BY PLUMBING CONTRACTOR.

GREASE TRAPS SHALL BE PROVIDED BY PLUMBING CONTRACTOR & SHALL BE RECESS-MOUNTED, FLUSH W/TOP OF FINISHED FLOOR. GREASE TRAPS SHALL NOT BE LOCATED BENEATH ANY ITEM OF FOODSERVICE EQUIPMENT & THE REMOVAL OF COVER SHALL NOT INTERFERE W/THE OPERATIONS OF ANY FOODSERVICE EQUIPMENT ITEMS.

ALL DRAIN LINES FOR DISPOSERS SHALL BY-PASS GREASE TRAPS.

HOT WATER TEMPERATURE TO BOOSTER HEATER, DISHMACHINE & GLASSWASHER MUST BE 110F. HOT WATER LINE FROM BOOSTER HEATER TO GLASSWASHER/DISHMACHINE SHALL BE PROVIDED W/WATER HAMMER ARRESTOR (ASSE-1010 STD) @ CONNECTION TO DISHWASHER & SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

DRAIN LINES FROM EVAPORATOR COILS (QUICK-FALL TYPE) SHALL BE TRAPPED OUTSIDE OF WALK-IN FREEZER/COOLER ASSEMBLIES & EXTENDED OVER BUILDING DRAIN BY PLUMBING CONTRACTOR. ALL PENETRATIONS IN WALK-IN FREEZER/COOLER ASSEMBLIES SHALL BE MADE BY KITCHEN EQUIPMENT CONTRACTOR. REFER TO EVAPORATOR COIL DETAIL.

TRENCH-TYPE DRAIN TROUGH SHALL BE FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR TO THE G.C. FOR INSTALLATION. PLUMBING CONTRACTOR SHALL PROVIDE DRAIN CONNECTIONS AS SHOWN ON DETAILS.

GAS MAIN SHALL BE PROVIDED W/A READILY ACCESSIBLE MANUAL SHUT-OFF VALVE BY PLUMBING CONTRACTOR. LOCATION OF VALVE TO BE COORDINATED W/FOODSERVICE CONSULTANT. A LOOPED GAS SERVICE IS RECOMMENDED TO PROVIDE FOR BALANCED FUEL DISTRIBUTION. SIZE OF GAS LINE TO BE DETERMINED BY ARCHITECT/ENGINEER. SEE PLUMBING SCHEDULE FOR BTU/HOUR REQUIREMENTS.

PLUMBING CONTRACTOR SHALL PROVIDE MANUAL GAS SHUT-OFF DEVICES @ EACH INDIVIDUAL PIECE OF EQUIPMENT NOT BATTERED TOGETHER. LOCATION OF FUEL SHUT-OFF VALVES TO BE COORDINATED W/FOODSERVICE CONSULTANT. GAS PRESSURE REDUCING VALVES REQUIRED FOR EACH INDIVIDUAL PIECE OF COOKING EQUIPMENT SHALL BE FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR FOR INSTALLATION BY PLUMBING CONTRACTOR.

FOR VENTILATION FIRE SUPPRESSION SYSTEM W/GAS HEATED COOKING EQUIPMENT, PLUMBING CONTRACTOR SHALL INSTALL MECHANICAL FUEL SHUT-OFF VALVE FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR IN GAS LINES SERVING COOKING EQUIPMENT. LOCATION OF FUEL SHUT-OFF VALVES TO BE COORDINATED W/FOODSERVICE CONSULTANT. KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE REMOTE MANUAL PULL STATION, & MICRO-SWITCH. GAS SHUT-OFF VALVE SHALL BE MECHANICALLY ACTIVATED IN CASE OF FIRE BY MECHANICAL/PNEUMATIC MECHANISM. ANY & ALL ELECTRICAL INTERCONNECTING REQUIRED FOR FAN CONTROL &/OR ALARM SYSTEMS SHALL BE BY ELECTRICAL CONTRACTOR.

DISPOSER &/OR WASTE PULPER DRAIN LINES SHALL BE PROVIDED W/ADEQUATE CLEANOUT FITTINGS.

INTERPIPING BETWEEN DISPOSER SOLENOID VALVE, DISPOSER & TROUGH &/OR SINK INLETS SHALL BE PROVIDED BY PLUMBING CONTRACTOR. SEE DETAILS FOR ADDITIONAL INFORMATION.

PLUMBING CONTRACTOR SHALL FURNISH & INSTALL ALL BELOW GRADE 6" BEVERAGE CONDUITS AS INDICATED W/24" MINIMUM SWEEPING BENDS. CUT OFF CONDUIT 6" A.F.F. & CAP OFF CONDUIT MUST BE WATER TIGHT & MATERIAL MUST MEET ALL LOCAL & STATE CODES.

PLUMBING SYMBOLS

COLD WATER	CW	●
HOT WATER	HW	●
COOLING TOWER WATER	CTW	●
COOLING TOWER WATER RETURN	CTWR	●
WASTE	W	
INDIRECT WASTE	IW	
HUB DRAIN/AIR GAP DRAIN	HD/AGD	○
FLOOR DRAIN	FD	
FUNNEL-TYPE FLOOR DRAIN	FFD	
FLOOR SINK - 1/2 GRATE	FS	
STEAM SUPPLY	SS	
CONDENSATE RETURN	CR	
GAS SUPPLY	G	
POINT OF CONNECTION		

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PHASE 1 PERMIT SET 04/24/2025

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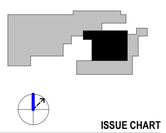
MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

PHASE 1 (AREA - A) PLUMBING PLAN AND SCHEDULE

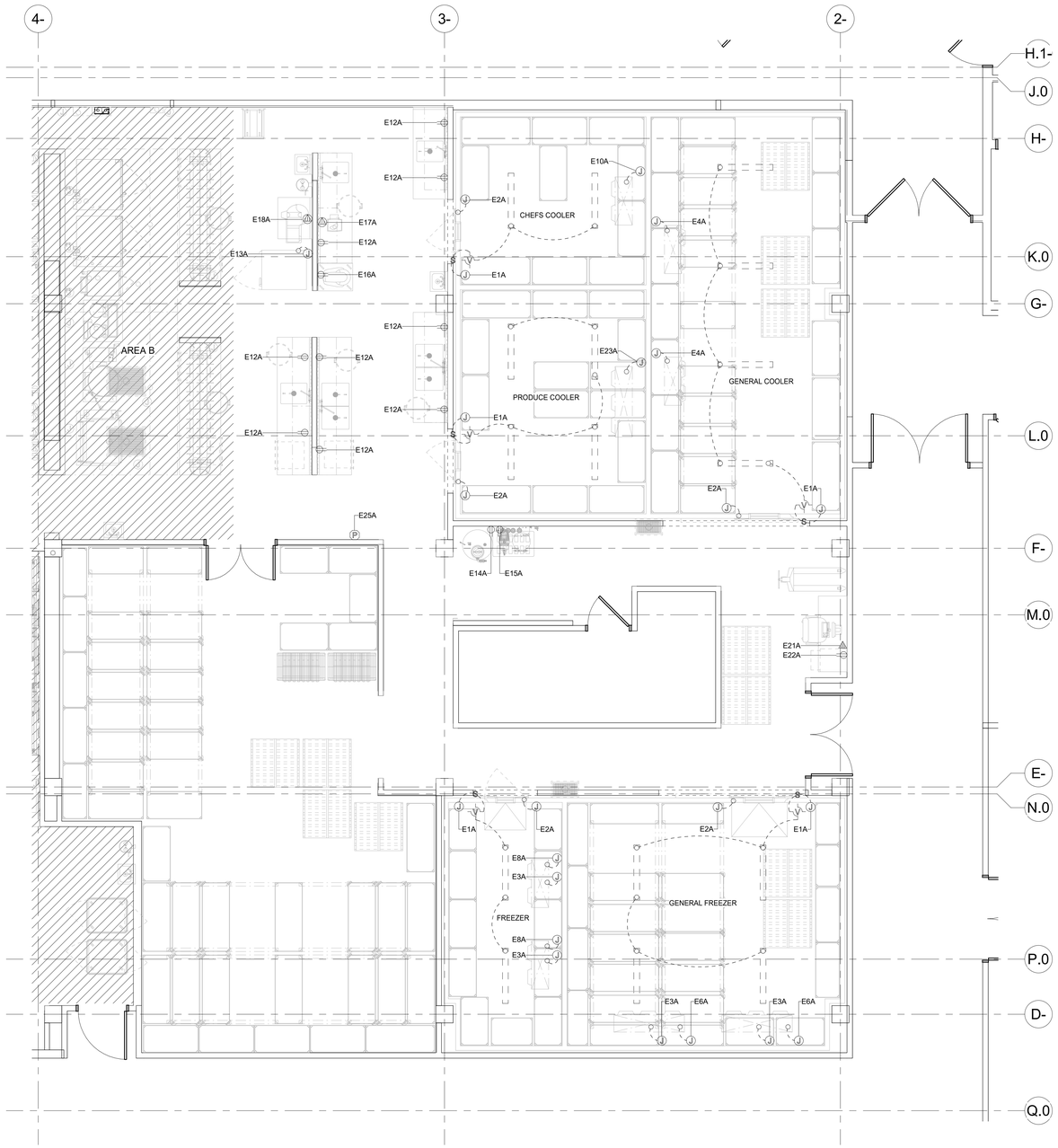
SHEET NUMBER

FS01-A.2

4/18/2025 2:45:05 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-A-R25.rvt

PHASE 1 (AREA - A) ELECTRICAL CONNECTIONS SCHEDULE

NUMBER	CONNECTION	SERVICE TO	ITEM NO.	HP	KW	AMPS	VOLT	PHASE	LOCATION	A.F.F.	REMARKS
E1A	JUNCT. BOX	LIGHTS	A7	-	-	5.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E2A	JUNCT. BOX	DOOR HEATER / ALARM	A7	-	-	5.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E3A	JUNCT. BOX	HEAT TAPE	A16 / A22	-	-	15.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E4A	JUNCT. BOX	BLOWER COIL (GENERAL COOLER)	A8	-	-	20.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E5A	JUNCT. BOX	CONDENSING UNIT (GENERAL COOLER)	A9	-	-	25.0	208	3	ROOF	ROOF	E.C. TO BRANCH TO CONNECTION AS REQUIRED SEE FS04-A.1
E6A	JUNCT. BOX	BLOWER COIL (GENERAL FREEZER)	A16	-	-	20.0	208	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E7A	JUNCT. BOX	CONDENSING UNT (GENERAL FREEZER)	A9	-	-	60.0	208	3	ROOF	ROOF	E.C. TO BRANCH TO CONNECTION AS REQUIRED SEE FS04-A.1
E8A	JUNCT. BOX	BLOWER COIL (FREEZER)	A22	-	-	20.0	208	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E9A	JUNCT. BOX	CONDENSING UNT (FREEZER)	A23	-	-	30.0	208	3	ROOF	ROOF	E.C. TO BRANCH TO CONNECTION AS REQUIRED SEE FS04-A.1
E10A	JUNCT. BOX	BLOWER COIL (CHEFS COOLER)	A25	-	-	20.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E11A	JUNCT. BOX	CONDENSING UNT (CHEFS COOLER)	A26	-	-	20.0	208	3	ROOF	ROOF	E.C. TO BRANCH TO CONNECTION AS REQUIRED SEE FS04-A.1
E12A	DUPLEX	CONVENIENCE OUTLET	-	-	-	16.0	120	1	WALL	50"	-
E13A	JUNCT. BOX	BLAST CHILLER	A29	-	4.7	12.0	208	3	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E14A	DUPLEX	R.O. SYSTEM WATER PROCESSOR	A40	-	-	6.0	120	1	WALL	66"	-
E15A	DUPLEX	R.O. SYSTEM REPRESSURIZATION PUMP	A40	-	-	10.0	120	1	WALL	24"	-
E16A	DUPLEX	20 QT. MIXER	A41	-	-	15.0	120	1	WALL	24"	-
E17A	SINGLE	FOOD PROCESSOR	A43	1.2	-	3.8	208	3	-	50"	-
E18A	SINGLE	BUFFALO CHOPPER	A54	-	-	6.0	208	1	WALL	50"	E.C. TO VERIFY LOADS OF EXISTING RELOCATED EQUIPMENT W/ OWNER
E19A	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E20A	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E21A	COMMUNICATION DATA PORT	-	-	-	-	-	-	-	WALL	18"	COORDINATE W/OWNER/OPERATOR
E22A	DUPLEX	CONVENIENCE OUTLET	-	-	-	16.0	120	1	WALL	18"	-
E23A	JUNCT. BOX	BLOWER COIL (PRODUCE COOLER)	A19	-	-	20.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E24A	JUNCT. BOX	CONDENSING UNT (PRODUCE COOLER)	A20	-	-	20.0	208	3	ROOF	ROOF	E.C. TO BRANCH TO CONNECTION AS REQUIRED SEE FS04-A.1
E25A	-	EMPTY OCTAGON BOX FOR REMOTE PULL STATION	-	-	-	-	-	-	WALL	48"	PER LOCAL CODES



1 PHASE 1 (AREA - A) ELECTRICAL PLAN
1/4" = 1'-0"

ELECTRICAL NOTES

PLEASE DISREGARD ANY NOTES THAT DO NOT APPLY TO THIS PROJECT

ELECTRICAL SYSTEM IS DESIGNED FOR 120/208/3 VOLT, 3 PHASE, 60 HERTZ SYSTEM.

ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS, FLOORS, CEILING &/OR FROM CENTERLINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO FINISH" UNLESS OTHERWISE NOTED.

UTILITIES SHOWN ARE FOR ITEMS FOR FOODSERVICE EQUIPMENT ONLY & ARE THE MINIMUM REQUIRED TO OPERATE EQUIPMENT. LOCATIONS OF ANY ADDITIONAL ELECTRICAL UTILITIES (CONVENIENCE RECEPTACLES, TELEPHONE JACKS, INTERCOM JACKS, ETC.) WHICH MAY BE REQUIRED SHALL BE DETERMINED BY THE ARCHITECT/ENGINEER.

ELECTRICAL PLAN SHOWS OUTLETS & CONNECTIONS W/CAPACITIES FOR ACTUAL ROUGH-IN LOCATIONS. REFER TO DIMENSIONED DRAWINGS PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR.

FINAL ELECTRICAL CONNECTIONS INCLUDING WIRING FROM POINT-OF CONNECTION ON EQUIPMENT TO BUILDING ELECTRICAL SYSTEM & INTERCONNECTIONS BETWEEN EQUIPMENT COMPONENTS SHALL E PROVIDED BY ELECTRICAL CONTRACTOR.

ALL ELECTRICAL MATERIALS, INCLUDING WIRE, CONDUIT, OVERLOAD PROTECTION, MAIN SWITCHES, SAFETY CUT-OUTS, FUSE BOXES, SHUNT-TRIP BREAKERS, DISCONNECT SWITCHES, & CONTROLS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

UTILITIES SHALL BE CONCEALED IN WALLS & STUBBED-OUT OF WALLS. WIRING STUBBED OUT OF FLOOR & RUN EXPOSED ON THE FACE OF THE WALL SHALL NOT BE ACCEPTABLE.

ELECTRICAL COMPONENTS, INCLUDING MAIN SWITCHES, FUSE BOXES, TERMINAL PANELS, DISCONNECT SWITCHES CONDUIT & CONNECTIONS SHALL NOT INTERFERE IN ANY WAY W/THE OPERATION OF ITEMS OF FOODSERVICE EQUIPMENT.

AMPERAGES INDICATED PER TOTAL FOR EACH UNIT & NOT IN ADDITION TO ANY HP &/OR KW RATINGS SHOWN.

WHERE CALLED FOR, KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH CORDS & PLUGS FOR INSTALLATION BY ELECTRICAL CONTRACTOR. NEMA NUMBERS SHOWN INDICATE THE CONFIGURATION TO BE PROVIDED FOR THE EQUIPMENT. ANY DIRECT CONNECTIONS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

ALL LIGHT FIXTURES IN FOOD STORAGE, PREPARATION, SERVICE OR DISPLAY FACILITIES, AS WELL AS UTENSIL CLEANING & STORAGE AREAS SHALL HAVE SHIELDING OVER BULBS.

KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE WALK-IN FREEZER/COOLER ASSEMBLIES COMPLETE W/OUTLET BOXES, DOOR HEATERS & ALL SYSTEM COMPONENTS PRE-WIRED TO A SINGLE POINT OF CONNECTION, ELECTRICAL CONTRACTOR SHALL PROVIDE INTERCONNECTION CONDUIT & WIRING & MAKE FINAL CONNECTIONS.

ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL POWER TO & INTERCONNECTION BETWEEN EVAPORATOR COIL, TIME CLOCK, TEMPERATURE CONTROL DEVICE, & CONDENSING UNITS, FOR WALK-IN FREEZER/COOLER ASSEMBLIES FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

DRAIN LINE FROM FREEZER COIL SHALL BE WRAPPED W/HEAT CABLE, TAPED & INSULATED TO PREVENT FREEZING OF CONDENSATE IN THE LINE, BY ELECTRICAL CONTRACTOR.

WALK-IN FREEZER/COOLER VAPOR-PROOF LIGHT FIXTURES ARE SHIPPED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR FOR FIELD INSTALLATION & INTERWIRING AS REQUIRED BY ELECTRICAL CONTRACTOR.

ALL PENETRATIONS INTO WALK-IN FREEZER/COOLERS SHALL BE MADE BY THE KITCHEN EQUIPMENT CONTRACTOR.

ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS MADE INTO WALK-IN FREEZER/ COOLER ASSEMBLIES, REFRIGERATORS, EXHAUST VENTILATORS W/METHODS & MATERIALS AS APPROVED BY EQUIPMENT MANUFACTURER.

KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE EXHAUST VENTILATOR ASSEMBLIES COMPLETE W/CONTROL PANEL, WASH-DOWN PANEL, LIGHTS, & FIRE SUPPRESSION SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER TO & INTERCONNECTIONS BETWEEN VENTILATOR, CONTROL PANEL, WASH-DOWN PANEL LIGHTS, EXHAUST & SUPPLY FAN, MAGNETIC STARTERS, & ALL MISCELLANEOUS COMPONENTS. SEE PLAN & VENTILATOR SHOP DRAWINGS FOR ADDITIONAL INFORMATION.

FOR VENTILATOR FIRE SUPPRESSION SYSTEM W/ELECTRICALLY HEATED COOKING EQUIPMENT, KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE REMOTE MANUAL PULL STATION, & MICRO-SWITCH. ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL ELECTRICAL CONTACTOR &/OR SHUNT-TRIP BREAKERS & ALL INTERCONNECTION CONDUIT & WIRING FOR SHUT-OFF OF ALL ELECTRICALLY HEATED COOKING EQUIPMENT. CONTACTOR FOR SHUNT-TRIP RELAYS SHALL BE ACTIVATED IN CASE OF FIRE BY MICRO-SWITCH AS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

FIRE PROTECTION SYSTEM REMOTE CABLE PULL BOX SHALL BE RECESS MOUNTED OCTAGONAL J-BOX & CENTERED @ 48" A.F.F. W/1/2" EMT CONDUIT OUT OF TOP, CONCEALED IN WALL TO 6" ABOVE FINISHED CEILING, BY ELECTRICAL CONTRACTOR.

ELECTRICAL CONTRACTOR SHALL PROVIDE AN EMPTY CONDUIT BETWEEN WASTE PULPING UNIT & WASTE EXTRACTOR UNIT FOR LOW VOLTAGE CONTROL WIRING.

ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY CONDUIT W/J-BOXES FOR INSTALLATION OF OWNER SUPPLIED CASH REGISTER SYSTEM. VERIFY EXACT REQUIREMENTS W/EQUIPMENT SUPPLIER.

ELECTRICAL CONTRACTOR SHALL PROVIDE COMPUTER GRADE, ISOLATED GROUND ELECTRICAL SERVICE FOR ELECTRICAL CASH REGISTER EQUIPMENT. VERIFY EXACT REQUIREMENTS W/EQUIPMENT SUPPLIES.

ELECTRICAL RECEPTACLES SHALL BE INSTALLED W/THEIR LONG DIMENSIONS RUN HORIZONTALLY.

ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT RACEWAY SYSTEM, FOR REMOTE REFRIGERATION LINES AS INDICATED ON REFRIGERATION PLAN & DETAILS. CONDUIT SHALL HAVE 24" MINIMUM RADIUS BENDS.

ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT & POWER & CONTROL WIRING BETWEEN REMOTE LOW TEMPERATURE EVAPORATORS & REMOTE COMPRESSOR RACK. REFER TO DRAWINGS FOR DETAILS.

ELECTRICAL SYMBOLS

SINGLE RECEPTACLE, NEMA 5-20R	SR	
DUPLEX RECEPTACLE, NEMA 5-15R	DR	
SINGLE RECEPTACLE, 208V OR 480V	SR	
FLOOR RECEPTACLE	FR	
JUNCTION BOX	JB	J
DROP CORD OR CONDUIT	DC	D
CONDUIT STUB	C	•
SWITCH	S	S
INCANDESCENT LIGHT		
L.E.D. LIGHT		
POINT OF CONNECTION ON EQUIPMENT		
COMMUNICATIONS OUTLET		
VAPOR-PROOF LIGHTS		
PULL BOX-FIRE SUPRESSION		P
GREASE SENSOR	GS	

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PHASE 1 PERMIT SET 04/24/2025

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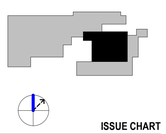
MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

PHASE 1 (AREA - A) ELECTRICAL PLAN AND SCHEDULE

SHEET NUMBER

FS01-A.3

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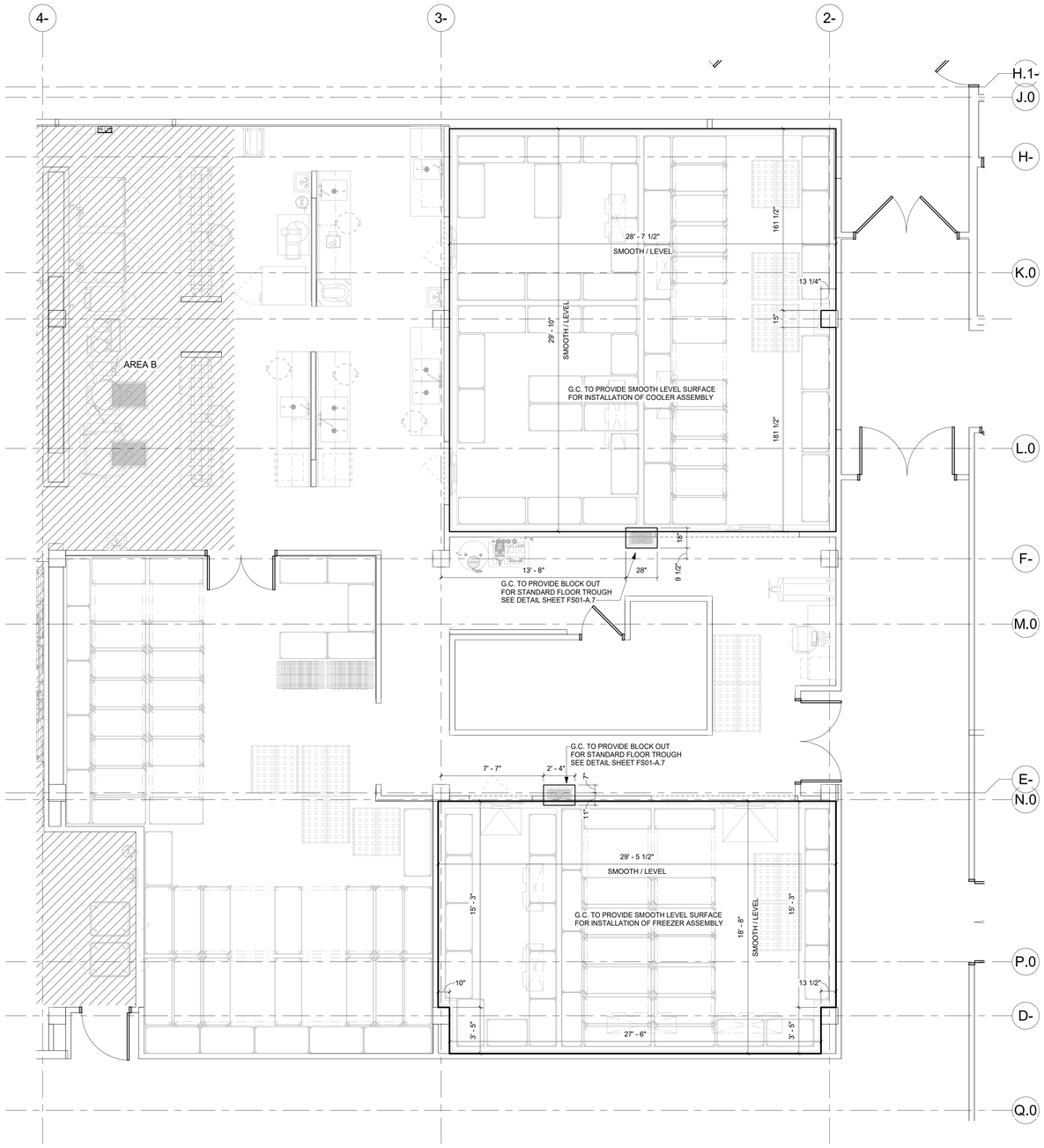

1 PHASE 1 (AREA - A) SLAB BLOCK OUT / SLAB CONDITIONS PLAN
1/4" = 1'-0"

SLAB BLOCK OUT AND CONDITIONS NOTES

DIMENSIONS SHOWN FOR BLOCK OUTS ARE FROM CENTER LINE OF STRUCTURAL COLUMNS. DIMENSIONS FOR SMOOTH LEVEL ARE FROM WALL LOCATIONS. DIMENSIONS TO BE VERIFIED BY THE KITCHEN EQUIPMENT CONTRACTOR AND ALL TRADES UTILIZING THIS PLAN

SMOOTH TRANSIENT LEVEL SURFACE REQUIRED FOR COOLER FREEZER ASSEMBLY. MANUFACTURE DOES ALLOW FOR MAXIMUM SLOPE OF 3/16" PER 10' IF TRUE LEVEL CANNOT BE ACHIEVED.

REFER TO DEATIL SHEET FOR BLOCK OUT DETAILS

SLAB BLOCK OUT SYMBOL

BLOCKOUT

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PHASE 1 PERMIT SET 04/24/2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

PHASE 1 (AREA - A)
SLAB BLOCK OUT /
SLAB CONDITIONS PLAN

SHEET NUMBER

FS01-A.4

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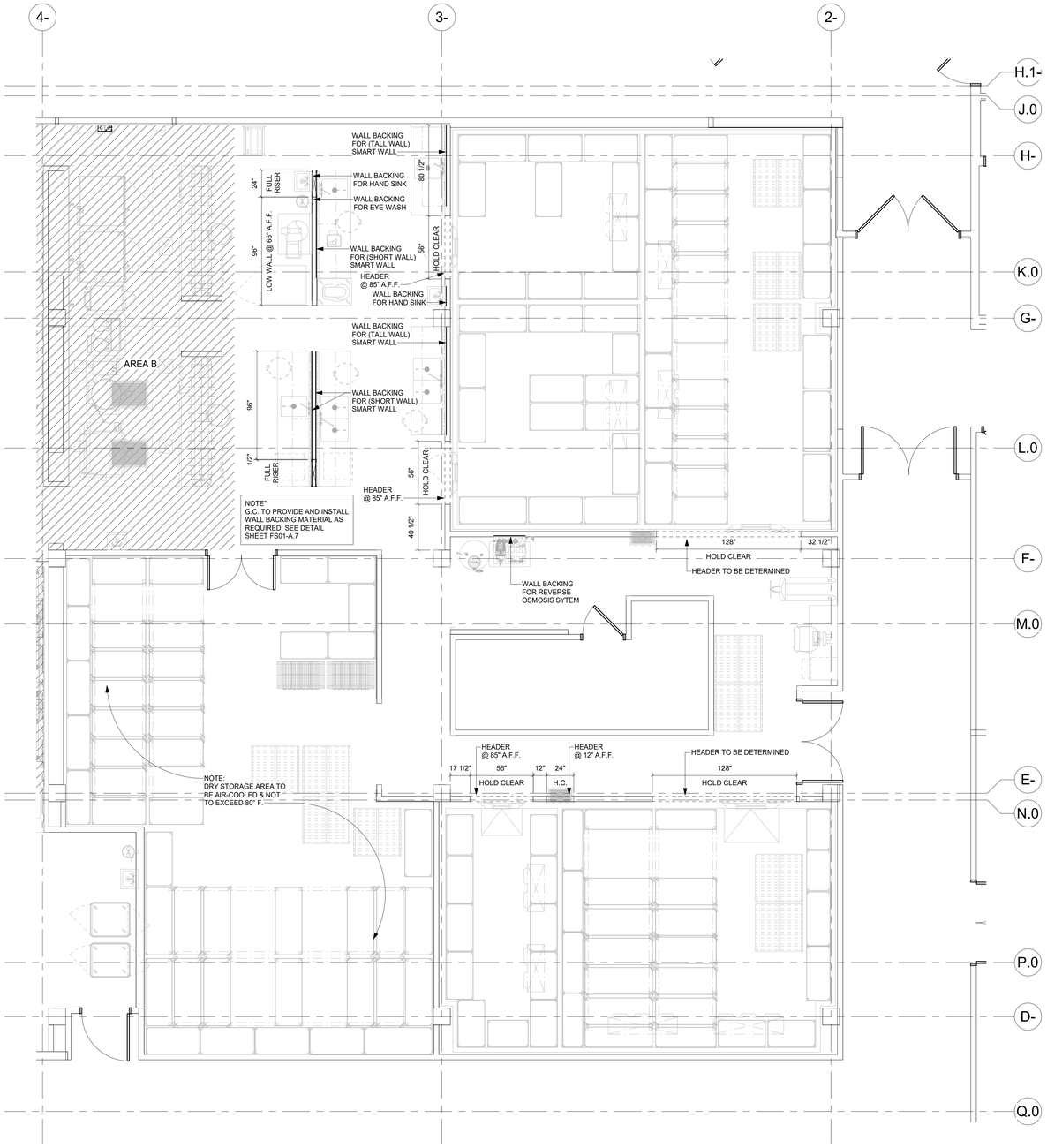

1 PHASE 1 (AREA - A) SPECIAL CONDITIONS PLAN
1/4" = 1'-0"

SPECIAL CONDITIONS NOTES

PLEASE DISREGARD ANY NOTES THAT DO NOT APPLY TO THIS PROJECT

ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS, FLOORS, CEILINGS &/OR FROM CENTER LINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY THE KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO-FINISH" UNLESS OTHERWISE NOTED.

REFER TO ARCHITECTURAL/ENGINEERING DRAWINGS FOR ACTUAL CONSTRUCTION DIMENSIONS, LOCATION, THICKNESS & FINISH OF PARTITIONS, FURRING & FLOOR SIZES & LOCATIONS NOT INDICATED ON THE SPECIAL CONDITIONS PLAN.

CEILING SHALL BE SMOOTH, NON-ABSORBENT, WASHABLE & LIGHT COLORED, BY GENERAL CONTRACTOR.

GENERAL CONTRACTOR TO FURNISH & INSTALL ANGLE IRON TO UNDERSIDE OF BUILDING STRUCTURE ABOVE TO SUPPORT EXHAUST VENTILATOR. COORDINATE INSTALLATION W/THE KITCHEN EQUIPMENT CONTRACTOR.

DEPRESSION FOR WALK-IN FREEZER/COOLER ASSEMBLIES &/OR FLOOR TROUGHS SHALL BE SMOOTH & TRANSIT-LEVEL. REFER TO PLAN FOR SIZES, DEPTHS & ADDITIONAL INFORMATION.

CONCRETE & MASONRY BASES & CURBS SHALL BE SMOOTH & TRANSIT-LEVEL. ALL EXPOSED SURFACES SHALL BE FINISHED THE SAME AS FINISHED FLOOR. REFER TO PLAN FOR SIZES & ADDITIONAL INFORMATION.

ALL BACKING MATERIALS SUITABLE FOR WALL-MOUNTED EQUIPMENT SHALL BE PROVIDED BY GENERAL CONTRACTOR AS DETAILED.

ALL STRUCTURE SUPPORT MATERIALS & BRACING SUITABLE FOR CEILING HUNG EQUIPMENT SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. COORDINATE INSTALLATION W/THE KITCHEN EQUIPMENT CONTRACTOR.

ALL RACKS &/OR PLATFORMS FOR ROOF-MOUNTED EQUIPMENT & COMPRESSOR RACKS SHALL BE PROVIDED BY GENERAL CONTRACTOR.

ALL WALL, FLOOR &/OR ROOF SLEEVES SHALL BE PROVIDED BY GENERAL CONTRACTOR.

KITCHEN EQUIPMENT CONTRACTOR SHALL UNDER NO CONDITIONS SET-IN-PLACE OR INSTALL ANY PIECE OF EQUIPMENT PRIOR TO TILE FLOORS BEING ACID WASHED & RINSED.

WHERE QUARRY TILE FLOORS ARE EXTENDED INTO WALK-IN FREEZER/COOLER ASSEMBLIES, GENERAL CONTRACTOR SHALL PROTECT ALL EXPOSED METAL SURFACES & REMOTE DOORS PRIOR TO ACID WASHING OF FLOORS & PROVIDE POWER VENTILATION TO REMOVE FUMES.

GENERAL CONTRACTOR SHALL PROVIDE WALL OPENINGS TO ACCOMMODATE ITEMS OF PASS-THRU & CONVEYOR EQUIPMENT AS DETAILED ON PLAN. REFER TO PLAN FOR ADDITIONAL INFORMATION.

BEVERAGE SYSTEM CONDUIT SHALL BE 6" MINIMUM DIAMETER W/24" MINIMUM RADIUS EASY-SWEEP BENDS @ ALL TURNS & FLOOR PENETRATIONS. CONDUITS SHALL BE RUN BELOW FLOOR SLAB WHERE EVER POSSIBLE & SHALL BE ROUTED TO PROVIDE THE SHORTEST RUNS POSSIBLE. RUNS SHOULD NOT EXCEED 75'0" W/O PULL BOX. ALL PULL BOXES SHALL BE STAINLESS STEEL WHERE EXPOSED & SHALL BE LOCATED IN ACCESSIBLE AREAS. FOR ABOVE SLAB INSTALLATIONS OR WHERE CONDUIT PASSES THROUGH RETURN AIR PLENUMS. PROVIDE 6" EMT CONDUIT(PVC WILL NOT BE PERMITTED). CONDUIT MUST BE PROVIDED BY GENERAL CONTRACTOR.

16GA. STAINLESS STEEL CORNER GUARDS SHALL BE FURNISHED & INSTALLED BY KITCHEN EQUIPMENT CONTRACTOR AS PER PLANS & DETAILS.

SPECIAL CONDITIONS SYMBOLS

SLEEVE

RAISED CURB

WALL BACKING

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PROJECT MANAGER
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Seattle, WA, 98104

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MultiCare
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MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

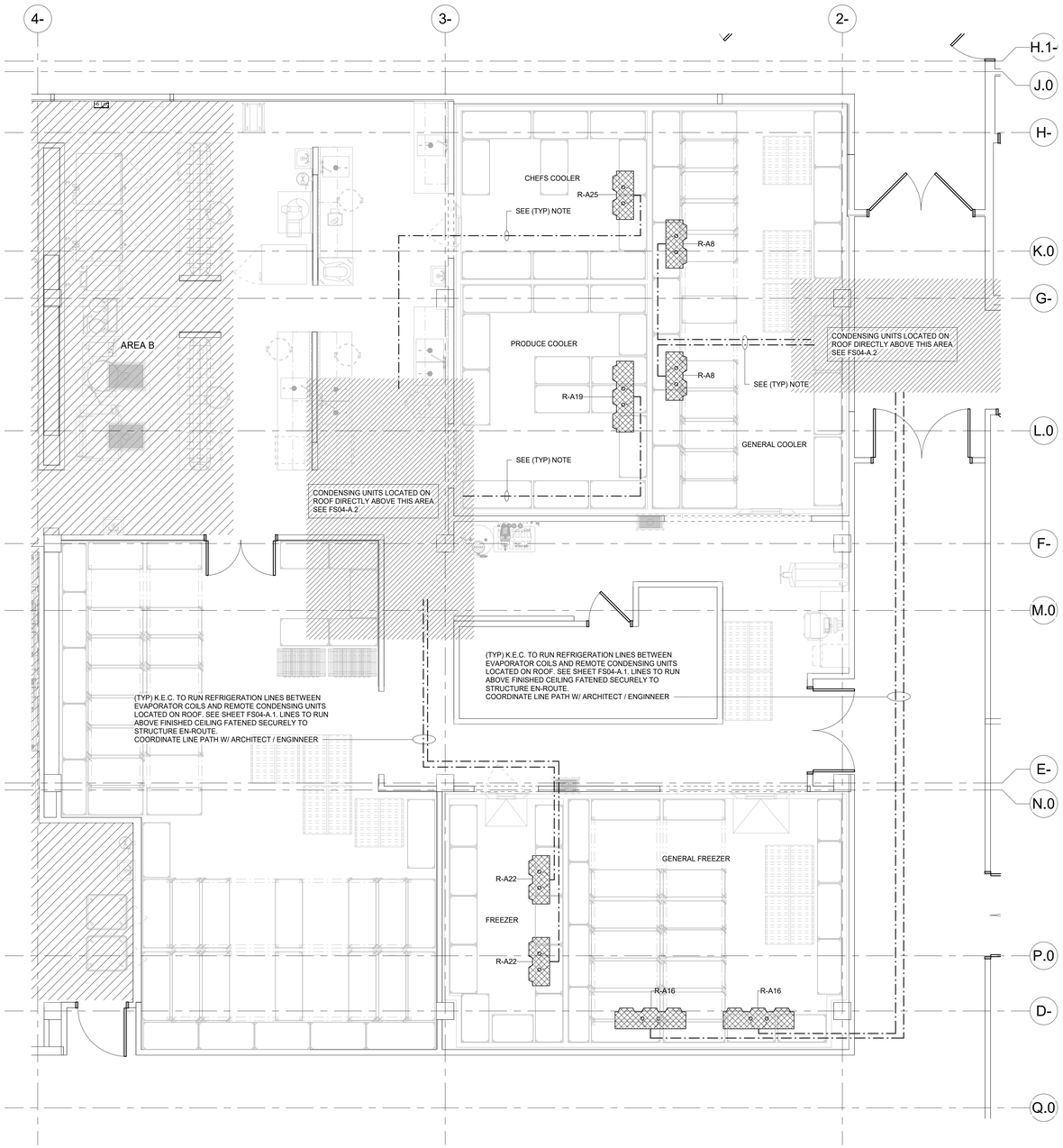
TITLE

PHASE 1 (AREA - A) SPECIAL CONDITIONS PLAN

SHEET NUMBER

FS01-A.5

4/18/2025 2:45:09 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-A-R25.rvt



1 PHASE 1 (AREA - A) REFRIGERATION PLAN
1/4" = 1'-0"

PHASE 1 (AREA - A) REFRIGERATION CONNECTIONS SCHEDULE

ITEM	DESCRIPTION	TEMP. RANGE	REMARKS
R-A8	BLOWER COIL	-10°	FOR GENERAL COOLER
R-A16	BLOWER COIL	-10°	FOR GENERAL FREEZER
R-A19	BLOWER COIL	+35°	FOR PRODUCE COOLER
R-A22	BLOWER COIL	-10°	FOR FREEZER
R-A25	BLOWER COIL	+35°	FOR CHEFS COOLER

REFRIGERATION NOTES

PLEASE DISREGARD ANY NOTES THAT DO NOT APPLY TO THIS PROJECT

ALL MATERIALS & INSTALLATION SHALL BE IN ACCORDANCE W/ALL LOCAL CODES & JURISDICTIONAL AUTHORITIES.

SLEEVES & CONDUIT RUNS SHOWN ON THIS PLAN ARE SCHEMATIC ONLY & FURNISHED AS A GUIDE. IT WILL BE NECESSARY TO COPE W/FIELD & CONSTRUCTION CONDITIONS. CONDUIT SYSTEM SHALL BE PROVIDED BY THE GENERAL CONTRACTOR & SHALL BE ROUTED TO PROVIDE THE SHORTEST RUNS POSSIBLE.

ALL REFRIGERATOR COPPER SHALL BE REFRIGERATION GRADE TUBING ONLY. (ALL REFRIGERATION DRAIN PIPING SHALL BE GRADE ACR OR TYPE "L" SEAMLESS). JOINTS FOR ALL HARD COPPER & SOFT COPPER TO BE SWEAT-TYPE FITTINGS. FOR STEEL TO COPPER CONNECTION USE SILVER SOLDER; COPPER TO COPPER USE SILVER BEARING ALLOY SOLDER SUCH AS EASY-FLO 45.

SUCTION LINES SHALL BE INSULATED W/APPROVED INSULATING MATERIAL. LIQUID & SUCTION LINES SHALL NOT BE CLAMPED OR SOLDERED TOGETHER DUE TO EXPANSION

MECHANICAL BENDS IN TUBING SHALL NOT BE ACCEPTABLE.

ALL SUCTION LINES WITH A VERTICAL RISE OF EIGHT FEET OR MORE SHALL HAVE A P-TRAP FOR OIL RETURN.

REFRIGERATION LINES TO WALK-IN/COOLER ASSEMBLIES SHALL BE RUN ABOVE CEILING & DROPPED @ POINT OF CONNECTION TO EVAPORATOR COIL.

KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE & INSTALL ALL REFRIGERATION SUCTION & LIQUID LINES FROM REMOTE CONDENSING UNITS TO UNIT EVAPORATORS, LINE HANGERS, ESCUTCHEON PLATES, VALVES, SIGHT GLASSES, PRESSURE CONTROLS, FILTER DRYERS, & HAND VALVES.

KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE FACTORY MOUNTED EXPANSION VALVESAND TEMPERATURE CONTROLS FOR EACH SYSTEM AS SPECIFIED.

AFTER REFRIGERANT CONNECTIONS HAVE BEEN COMPLETED. THE BALANCE OF THE SYSTEM SHALL BE LEAK TESTED W/ALL VALVES OPEN.

ALL COMPLETED REFRIGERATION SYSTEMS MUST BE EVACUATED TO 300 MICRONS OR LESS W/VACUUM PUMP.

REFRIGERATION SYMBOLS

COMPRESSOR OR COIL

REFRIGERATION LINE & CONNECTION

REFRIGERATION LINE SLEEVE WALL OR CEILING

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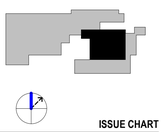


ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

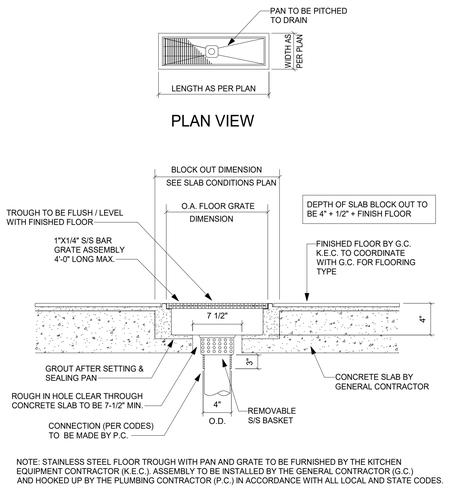
TITLE

PHASE 1 (AREA - A) REFRIGERATION PLAN AND SCHEDULE

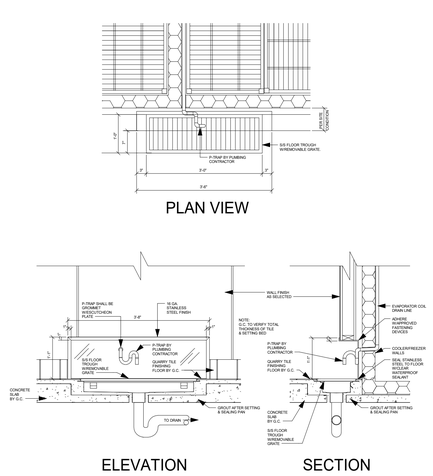
SHEET NUMBER

FS01-A.6

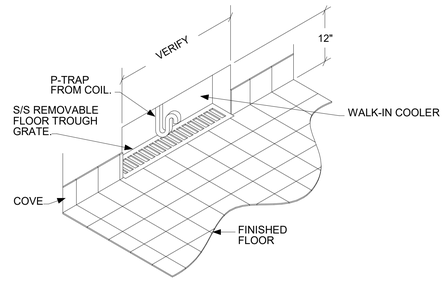
4/18/2025 2:45:10 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-A-R25.rvt



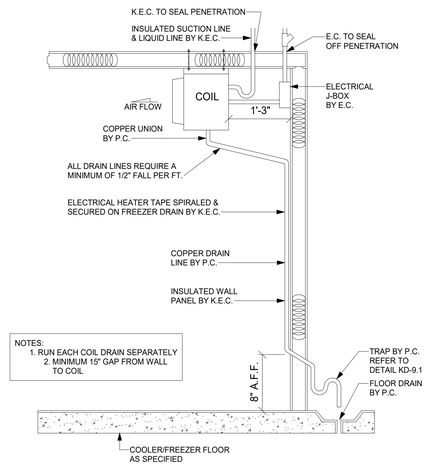
STANDARD FLOOR TROUGH DETAIL



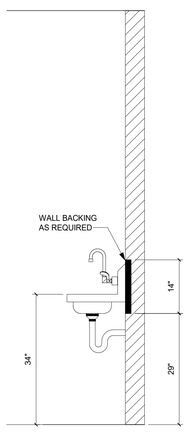
COOLER/FREEZER FLOOR TROUGH DETAIL



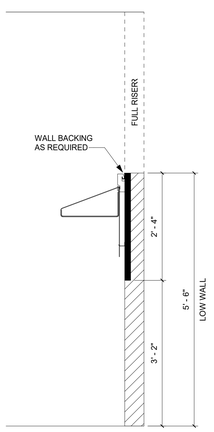
WALL OPENING FOR FLOOR TROUGH IN WALL IN FRONT OF COOLER FREEZER



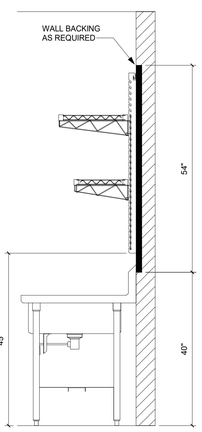
EVAPORATOR COIL INSTALLATION DETAIL



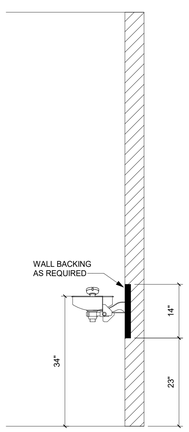
HAND SINK WALL BACKING DETAIL



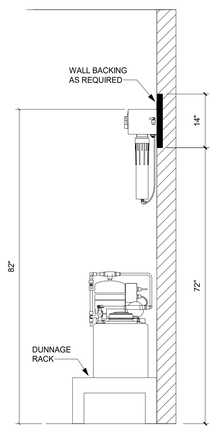
(SHORT WALL) SMART WALL WALL BACKING DETAIL



(TALL WALL) SMART WALL WALL BACKING DETAIL



EYE WASH WALL BACKING DETAIL



REVERSE OSMOSIS WALL BACKING DETAIL

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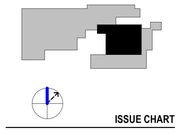


ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

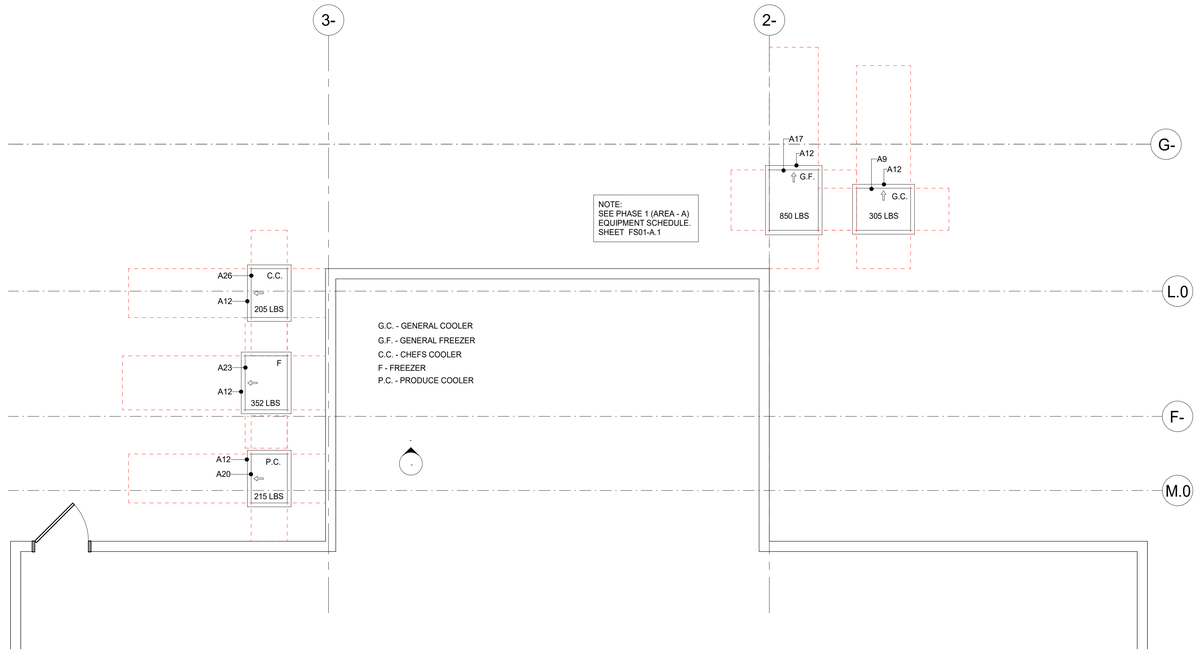
TITLE

DETAILS AND WALL BACKING DETAILS

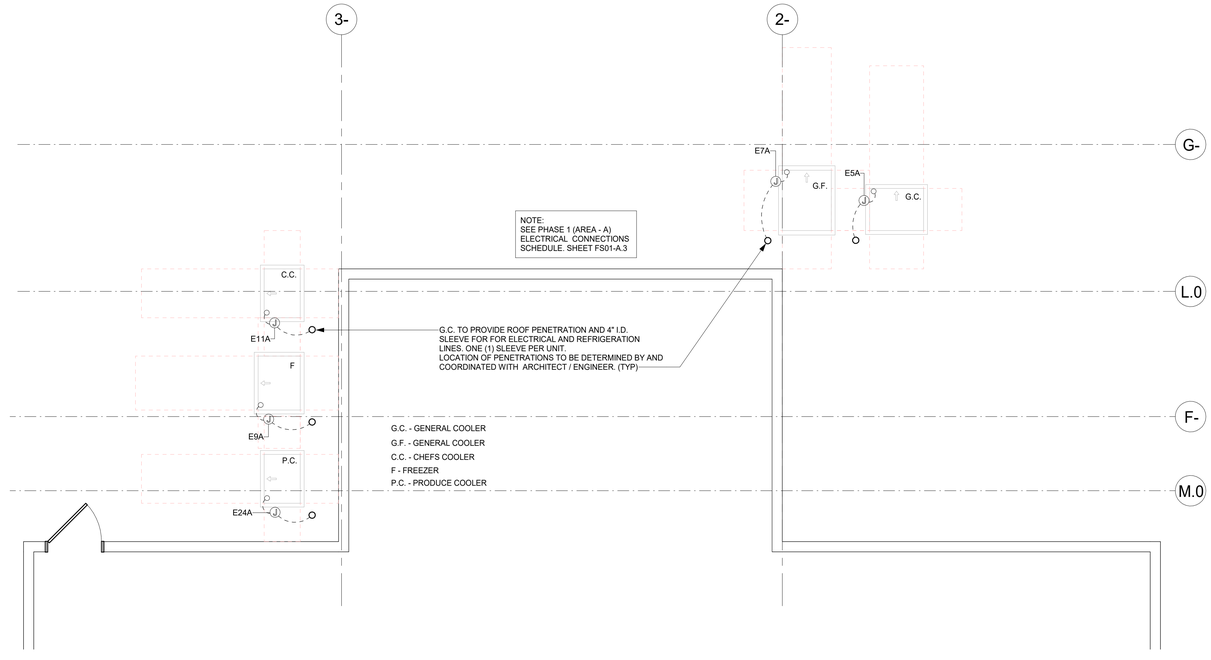
SHEET NUMBER

FS01-A.7

4/18/2025 2:45:11 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-A-R25.rvt



1 ROOF PHASE A EQUIPMENT PLAN
1/4" = 1'-0"



2 PHASE 1 ROOF ELECTRICAL PLAN
1/4" = 1'-0"

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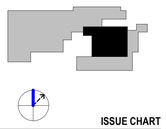
PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

PHASE 1 ROOF EQUIPMENT AND ELECTRICAL PLANS

SHEET NUMBER

FS04-A.1

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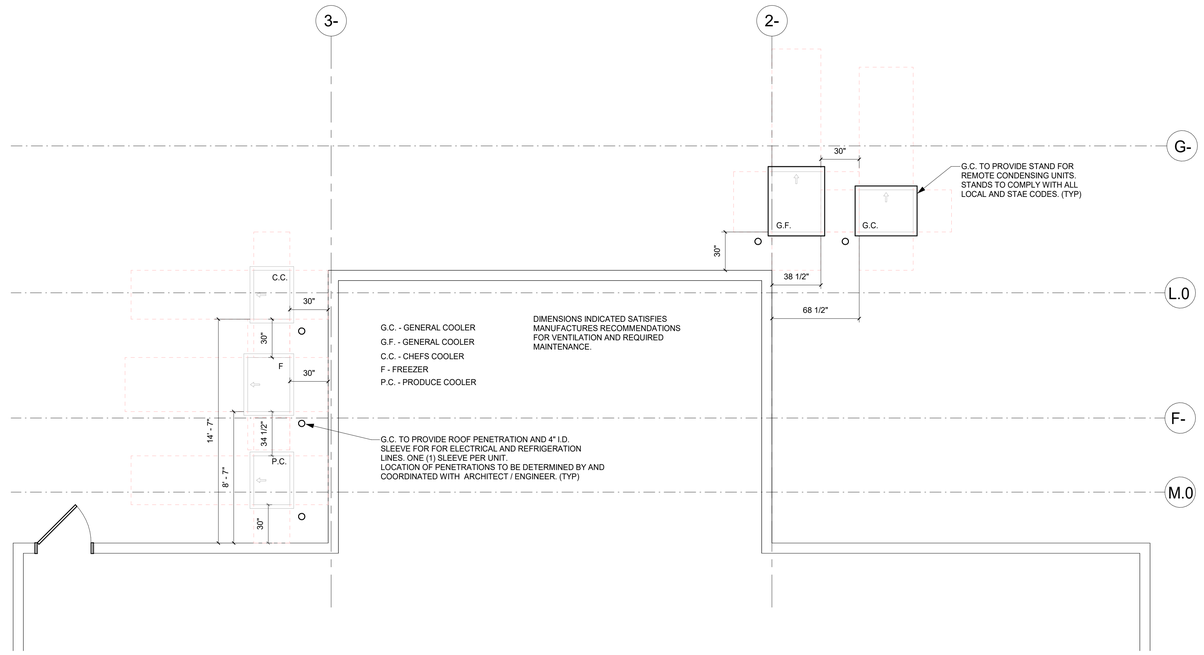
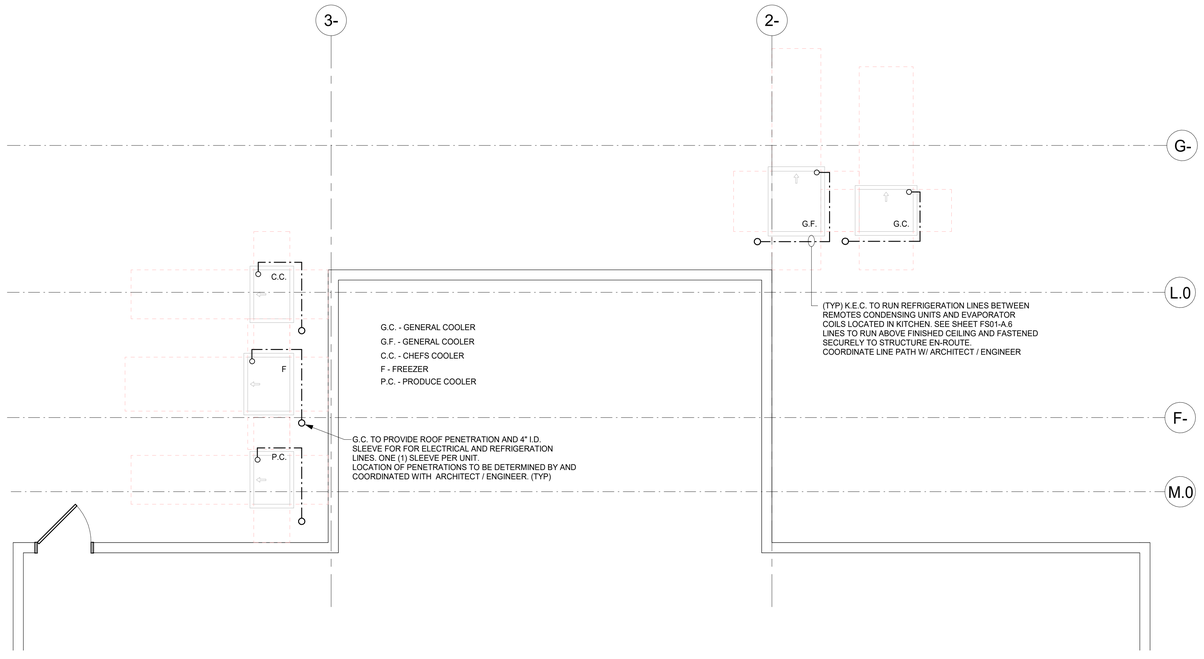


1 PHASE 1 ROOF SPECIAL CONDITIONS PLAN
1/4" = 1'-0"



2 PHASE 1 ROOF REFRIGERATION PLAN
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PHASE 1 PERMIT SET 04/24/2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

PHASE 1 ROOF SPECIAL CONDITIONS AND REFRIGERATION PLAN

SHEET NUMBER

FS04-A.2

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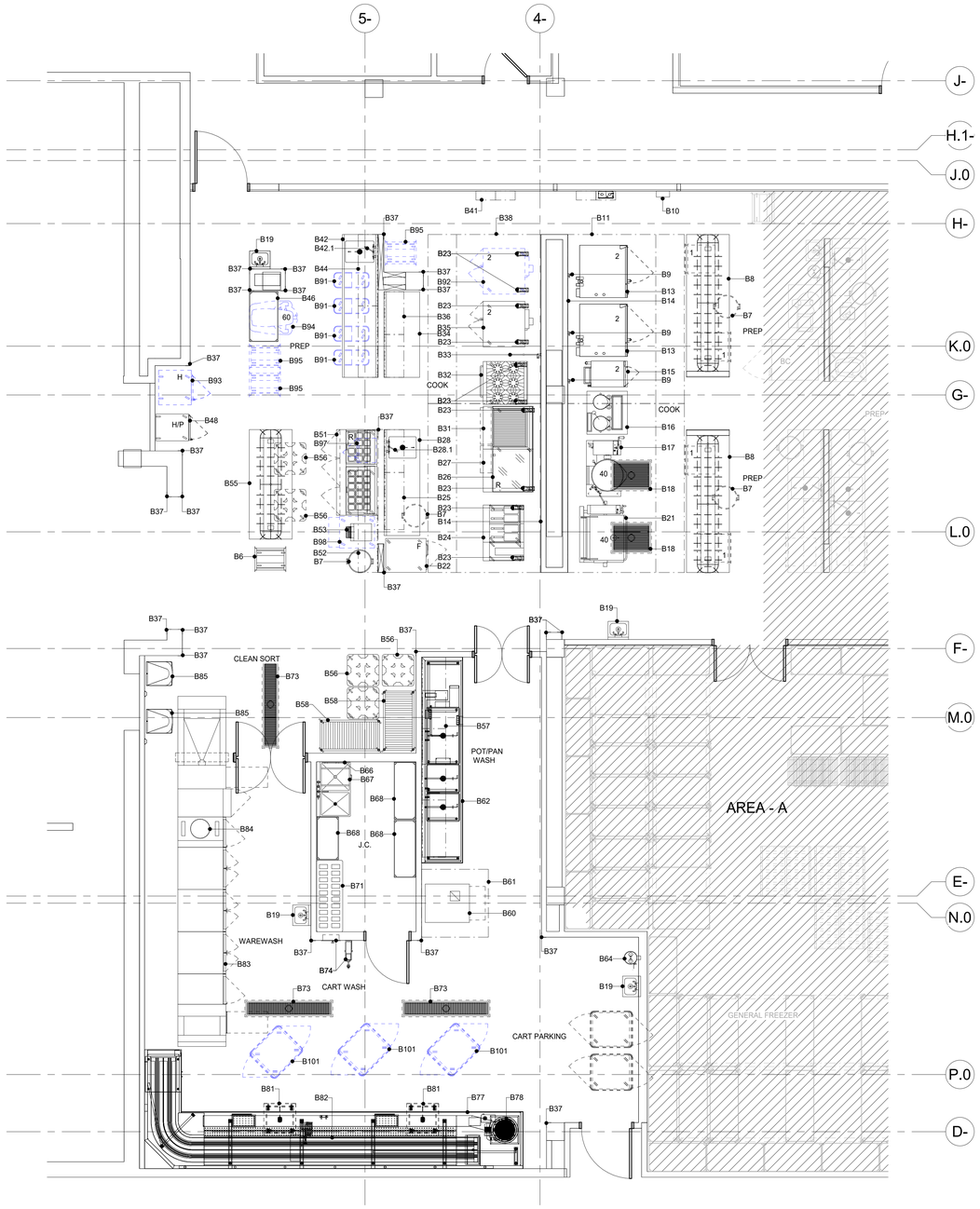


1 PHASE 1 (AREA - B) FINAL EQUIPMENT PLAN
1/4" = 1'-0"

PHASE 1 (AREA - B) WILL BE COMPLETED IN TWO STEPS.

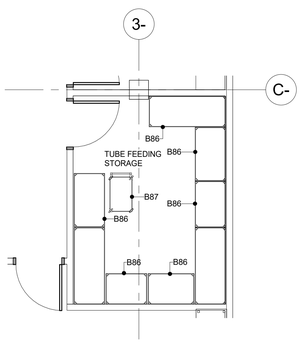
(STEP 1) THE MAJORITY OF THE EQUIPMENT WILL BE INSTALLED INCLUDING EQUIPMENT REQUIRED FOR A TEMPORARY POD / TRAY ASSEMBLY SYSTEM. REFER TO FS01-B.1.1

(STEP 2) AFTER PHASE 2 (AREA - C) EQUIPMENT IS INSTALLED AND FULLY OPERATIONAL, THE TEMPORARY POD EQUIPMENT WILL BE REMOVED. THE EQUIPMENT REQUIRED TO COMPLETE THE FINAL DESIGN FOR PHASE 1 (AREA - B) WILL THEN BE INSTALLED. REFER TO FS01-B.1.2

NOTE:
EXCEPT FOR FABRICATED PIECES, ALL EQUIPMENT USED FOR THE TEMPORARY POD / TRAY ASSEMBLY SYSTEM WILL BE RE-LOCATED AND USED IN PHASE 2 (AREA - D) REFER TO REMARKS IN THE TEMPORARY POD SCHEDULE OF EQUIPMENT ON SHEET FS01-B.1.1 AND PHASE 2 (AREA - D) SCHEDULE OF EQUIPMENT ON SHEET FS01-D.1

PHASE 1 (AREA - B) SCHEDULE OF EQUIPMENT

ITEM	QTY.	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
B1	-	SPARE NUMBER	-	-	-
B2	-	SPARE NUMBER	-	-	-
B3	-	SPARE NUMBER	-	-	-
B4	-	SPARE NUMBER	-	-	-
B5	-	SPARE NUMBER	-	-	-
B6	1	MOBILE PAN RACK	METRO	RF3N	-
B7	4	MOBILE TRASH RECEPTACLE W/ DOLLY / LID	-	-	BY OWNER
B8	2	LANDING TABLE W/ OVERSHELF	FABRICATOR	CUSTOM	W/ UTENSIL RACK / TOMBSTONE ELECTRICAL OUTLETS
B9	3	DUAL COMBI OVEN CONNECTION MANIFOLD	EVERPURE	164-89912	-
B10	1	M.A.R.V.E.L. CONTROL PANEL	HALTON	CUSTOM	-
B11	1	EXHAUST HOOD	HALTON	KVE	-
B12	1	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	EXHAUST HOOD - ITEM #B11
B13	2	DOUBLE COMBI OVEN	ALTO-SHAAM	7-20G PRO OVER 7-20G PRO	W /STACKING KIT
B14	LOT	S/S WALL FLASHING	FABRICATOR	CUSTOM	-
B15	1	DOUBLE STEAMER	GROEN	(2)GSSP-BL-5GS	W/ DRAIN TEMPERING KIT
B16	1	DUAL TRUNNION KETTLE	GROEN	(2)CTDC/3-20-SG	W/ DOUBLE PANTRY FAUCET
B17	1	40 GAL. TILTING KETTLE	GROEN	DH-40A	W/ DOUBLE PANTRY FAUCET
B18	2	S/S ANTI SPILL FLOOR TROUGH W/ GRATE	IMC TEDDY	CUSTOM	SIZE AS SHOWN PER PLAN
B19	4	HAND SINK W/ SIDE SPLASHES	ADVANCE TABCO	7-PS-66W	-
B20	-	SPARE NUMBER	-	-	-
B21	1	40 GAL. TILTING BRAISING PAN	GROEN	BPM-40GA	W/ DOUBLE PANTRY FAUCET
B22	1	FREEZER	CONTINENTAL	DL1FENSS	W/ CASTERS
B23	(5) SETS	WHEEL POSITION DEVICE	T&S BRASS	POSI-SET	-
B24	1	DOUBLE FRYER/FILTER ASSEMBLY	PITCO	SE14S-2FD	W/ CASTERS
B25	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B26	1	REFRIGERATED EQUIPMENT STAND	CONTINENTAL	D72GN	W/ CASTERS / EXPANSION VALVE
B27	1	COUNTER TOP GRIDDLE W/ THERMOSTAT	MONTAGUE	C36-8T	W/ 8" PLATE SHELF
B28	1	PREPARATION TABLE W/ SINK	FABRICATOR	CUSTOM	-
B28.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT MOD 060X	-
B29	-	SPARE NUMBER	-	-	-
B30	-	SPARE NUMBER	-	-	-
B31	1	COUNTER TOP CHAR BROILER	MONTAGUE	UFLC-36R	W/ 8" PLATE SHELF
B32	1	6 - BURNER RANGE W/ CONVECTION OVEN	MONTAGUE	V136-5	W/ CASTERS
B33	1	POT FILLER	T&S BRASS	B-0594-CR	-
B34	1	PREPARATION TABLE	FABRICATOR	CUSTOM	-
B35	1	DOUBLE CONVECTION OVEN	MONTAGUE	HX2-63A	W/ CASTERS
B36	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B37	LOT	S/S CORNER GUARD	FABRICATOR	CUSTOM	-
B38	1	EXHAUST HOOD	HALTON	KVE	-
B39	-	SPARE NUMBER	-	-	-
B40	-	SPARE NUMBER	-	-	-
B41	1	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	FOR EXHAUST HOOD - ITEM #B38
B42	1	BAKER'S TABLE W /SINK	FABRICATOR	CUSTOM	-
B42.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT MOD 060X	-
B43	-	SPARE NUMBER	-	-	-
B44	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B45	-	SPARE NUMBER	-	-	-
B46	1	MIXER ACCESSORY RACK	METRO	CUSTOM	-
B47	-	SPARE NUMBER	-	-	-
B48	1	MOBILE HEATER PROOFER	ALTO-SHAAM	1000-UP/P	-
B49	-	SPARE NUMBER	-	-	-
B50	-	SPARE NUMBER	-	-	-
B51	1	REFRIGERATED SANDWICH PREPARATION UNIT	CONTINENTAL	D72N30M-FB	W/ CASTERS / EXPANSION VALVE
B52	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B53	1	CONVEYOR TOASTER	HATCO	TQ-10	-
B54	-	SPARE NUMBER	-	-	-
B55	1	LANDING TABLE W/ OVERSHELF	FABRICATOR	CUSTOM	W/ UTENSIL RACK / TOMBSTONE ELECTRICAL OUTLETS
B56	5	MOBILE POKER CHIP DISH DOLLY	METRO	PCD11A	-
B57	1	SMART WALL G3 (TALL WALL)	METRO	CUSTOM	GREY
B58	2	MOBILE POT/PAN RACK	METRO	PR48VX3	-
B59	-	SPARE NUMBER	-	-	-
B60	1	POT WASH MACHINE W/ BOOSTER HEATER	HOBART	PW10-1	W/ DRAIN TEMPERING KIT
B61	1	CONDENSATE HOOD	HALTON	CUSTOM	-
B62	1	ULTRAWASH-3 COMPARTMENT SINK	AEROWERKS	CUSTOM	-
B63	-	SPARE NUMBER	-	-	-
B64	1	EYE WASH STATION	T&S BRASS	EW-7360B-TMV	W/ THERMOSTATIC MIXING VALVE
B65	-	SPARE NUMBER	-	-	-
B66	1	MOP/BROOM RACK	ADVANCE TABCO	K242	-
B67	1	MOP SINK/CAN WASH	IMC TEDDY	DL-20-1	-
B68	LOT	CHEMICAL STORAGE SHELVING	METRO	MAX Q	-
B69	-	SPARE NUMBER	-	-	-
B70	-	SPARE NUMBER	-	-	-
B71	1	DUNNAGE RACK	METRO	BOW TIE	-
B72	-	SPARE NUMBER	-	-	-
B73	3	S/S STANDARD FLOOR TROUGH W/ GRATE	IMC TEDDY	CUSTOM	SIZE AS SHOWN PER PLAN
B74	1	WALL MOUNTED HOSE REEL W/ MIXING CABINET	T&S BRASS	B-2339	-
B75	-	SPARE NUMBER	-	-	-
B76	-	SPARE NUMBER	-	-	-
B77	1	SOILED DISH TABLE W/ TROUGH / CONVEYOR	AEROWERKS	CUSTOM	-
B78	1	TROUGH COLLECTOR	AEROWERKS	WCRT	-
B79	-	SPARE NUMBER	-	-	-
B80	-	SPARE NUMBER	-	-	-
B81	2	MOBILE SOAK SINK	AEROWERKS	CUSTOM	-
B82	1	RACK SHELF W/ STORAGE	AEROWERKS	CUSTOM	-
B83	1	FLIGHT-TYPE DISH MACHINE W/ BOOSTER HEATER	HOBART	FT1023e-ASRERBD L-R	W/ DRAIN TEMPERING KIT
B84	1	EXHAUST DUCT	FABRICATOR	CUSTOM	-
B85	2	WATER SOFTENER	HOBART	WS-80	-
B86	LOT	TUBE FEEDING STORAGE SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
B87	1	MOBILE UTILITY CART	METRO	MY1627-34	-
B88	-	SPARE NUMBER	-	-	-
B89	-	SPARE NUMBER	-	-	-
B90	-	SPARE NUMBER	-	-	-
B91	4	MOBILE INGREDIENT BIN	RUBBERMAID	-	EXISTING RE-LOCATED
B92	1	DOUBLE CONVECTION OVEN	BLODGETT	DFG-200-ES-DBL	EXISTING / RE-LOCATED W/ CASTERS
B93	1	MOBILE HEATED CABINET	WITTCO	1826-13-BC-IS	EXISTING / RE-LOCATED
B94	1	60 QT. MIXER	HOBART	H-600T	EXISTING / RE-LOCATED
B95	3	MOBILE PAN RACK	-	-	EXISTING / RE-LOCATED
B96	-	SPARE NUMBER	-	-	-
B97	1	MICROWAVE OVEN	AMANA	RMS10DS	EXISTING / RE-LOCATED
B98	1	UNDER COUNTER REFRIGERATOR / FREEZER	RANDELL	FX-1UC	EXISTING / RE-LOCATED
B99	-	SPARE NUMBER	-	-	-
B100	-	SPARE NUMBER	-	-	-
B101	LOT	PATIENT TRAY CART	DINEX	-	EXISTING / RE-LOCATED



2 PHASE 1 (AREA - B) TUBE FEEDING STORAGE EQUIPMENT PLAN.
1/4" = 1'-0"

GENERAL NOTES

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PHASE 1 PERMIT SET 04/24/2025

MultiCare Good Samaritan Hospital Kitchen
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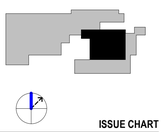
Puyallup,
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

PHASE 1 (AREA - B) FINAL EQUIPMENT PLAN AND SCHEDULE

SHEET NUMBER

FS01-B.1

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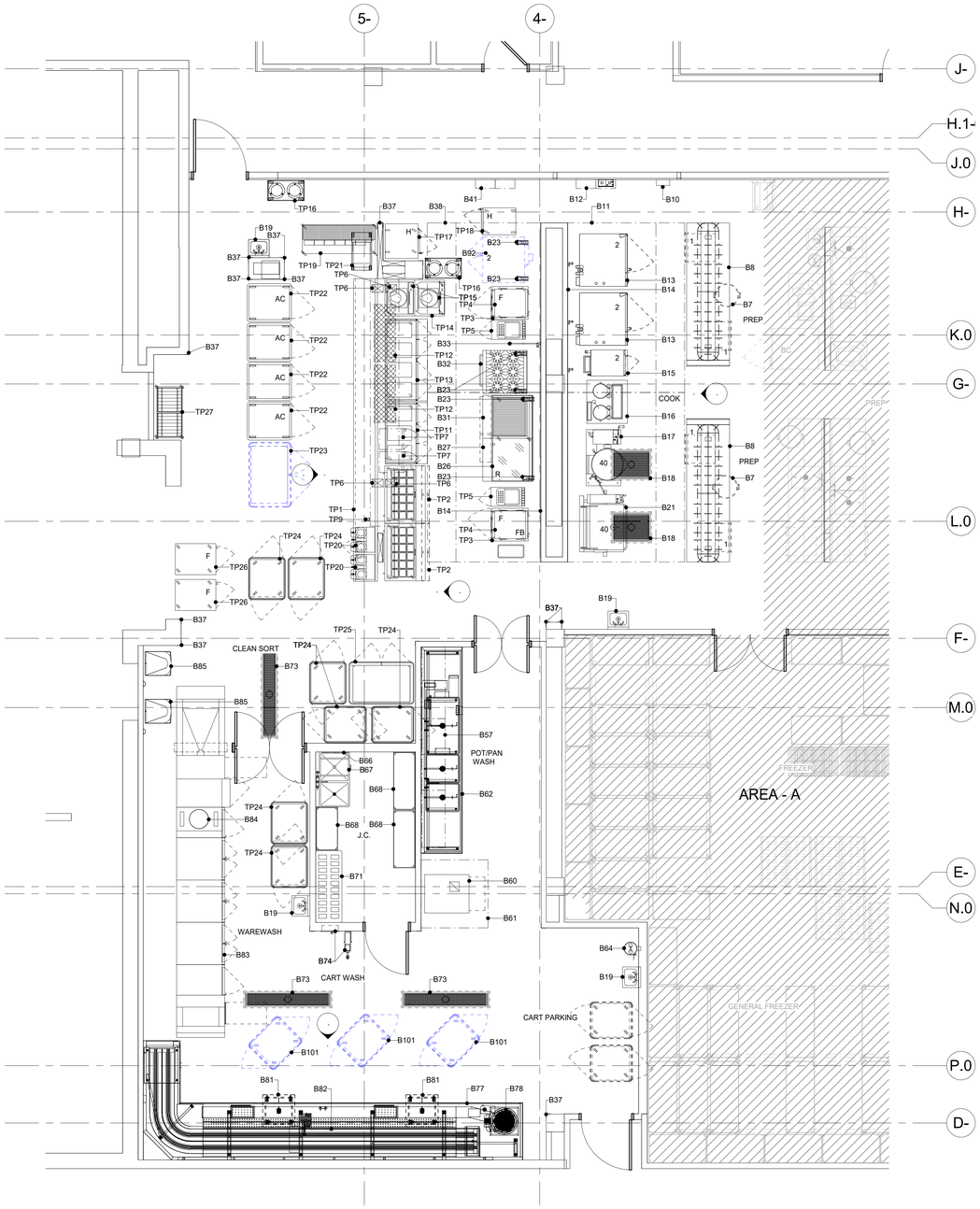
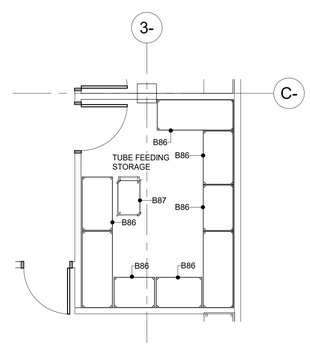


1 PHASE 1 (AREA - B) STEP 1 EQUIPMENT PLAN
1/4" = 1'-0"

PHASE 1 (AREA - B) SCHEDULE OF EQUIPMENT

ITEM	QTY.	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
B1	-	SPARE NUMBER	-	-	-
B2	-	SPARE NUMBER	-	-	-
B3	-	SPARE NUMBER	-	-	-
B4	-	SPARE NUMBER	-	-	-
B5	-	SPARE NUMBER	-	-	-
B6	1	MOBILE PAN RACK	METRO	RF3N	-
B7	4	MOBILE TRASH RECEPTACLE W/ DOLLY / LID	-	-	BY OWNER
B8	2	LANDING TABLE W/ OVERSHELF	FABRICATOR	CUSTOM	W/ UTENSIL RACK / TOMBSTONE ELECTRICAL OUTLETS
B9	3	DUAL COMBI OVEN CONNECTION MANIFOLD	EVERPURE	164-89912	-
B10	1	M.A.R.V.E.L. CONTROL PANEL	HALTON	CUSTOM	-
B11	1	EXHAUST HOOD	HALTON	KVE	-
B12	1	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	EXHAUST HOOD - ITEM #B11
B13	2	DOUBLE COMBI OVEN	ALTO-SHAAM	7-20G PRO OVER 7-20G PRO	W /STACKING KIT
B14	LOT	S/S WALL FLASHING	FABRICATOR	CUSTOM	-
B15	1	DOUBLE STEAMER	GROEN	(2)GSSP-BL-5GS	W/ DRAIN TEMPERING KIT
B16	1	DUAL TRUNNION KETTLE	GROEN	(2)CTDC/3-20-SG	W/ DOUBLE PANTRY FAUCET
B17	1	40 GAL. TILTING KETTLE	GROEN	DH-40A	W/ DOUBLE PANTRY FAUCET
B18	2	S/S ANTI SPILL FLOOR TROUGH W/ GRATE	IMC TEDDY	CUSTOM	SIZE AS SHOWN PER PLAN
B19	4	HAND SINK W/ SIDE SPLASHES	ADVANCE TABCO	7-PS-66W	-
B20	-	SPARE NUMBER	-	-	-
B21	1	40 GAL. TILTING BRAISING PAN	GROEN	BPM-40GA	W/ DOUBLE PANTRY FAUCET
B22	1	FREEZER	CONTINENTAL	DL1FENSS	W/ CASTERS
B23	(5) SETS	WHEEL POSITION DEVICE	T&S BRASS	POSI-SET	-
B24	1	DOUBLE FRYER/FILTER ASSEMBLY	PITCO	SE14S-2FD	W/ CASTERS
B25	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B26	1	REFRIGERATED EQUIPMENT STAND	CONTINENTAL	D72GN	W/ CASTERS / EXPANSION VALVE
B27	1	COUNTER TOP GRIDDLE W/ THERMOSTAT	MONTAGUE	C36-8T	W/ 8" PLATE SHELF
B28	1	PREPARATION TABLE W/ SINK	FABRICATOR	CUSTOM	-
B28.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT MOD 060X	-
B29	-	SPARE NUMBER	-	-	-
B30	-	SPARE NUMBER	-	-	-
B31	1	COUNTER TOP CHAR BROILER	MONTAGUE	UFLC-36R	W/ 8" PLATE SHELF
B32	1	6 - BURNER RANGE W/ CONVECTION OVEN	MONTAGUE	V136-5	W/ CASTERS
B33	1	POT FILLER	T&S BRASS	B-0594-CR	-
B34	1	PREPARATION TABLE	FABRICATOR	CUSTOM	-
B35	1	DOUBLE CONVECTION OVEN	MONTAGUE	HX2-63A	W/ CASTERS
B36	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B37	LOT	S/S CORNER GUARD	FABRICATOR	CUSTOM	-
B38	1	EXHAUST HOOD	HALTON	KVE	-
B39	-	SPARE NUMBER	-	-	-
B40	-	SPARE NUMBER	-	-	-
B41	1	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	FOR EXHAUST HOOD - ITEM #B38
B42	1	BAKER'S TABLE W /SINK	FABRICATOR	CUSTOM	-
B42.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT MOD 060X	-
B43	-	SPARE NUMBER	-	-	-
B44	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B45	-	SPARE NUMBER	-	-	-
B46	1	MIXER ACCESSORY RACK	METRO	CUSTOM	-
B47	-	SPARE NUMBER	-	-	-
B48	1	MOBILE HEATER PROOFER	ALTO-SHAAM	1000-UP/P	-
B49	-	SPARE NUMBER	-	-	-
B50	-	SPARE NUMBER	-	-	-
B51	1	REFRIGERATED SANDWICH PREPARATION UNIT	CONTINENTAL	D72N30M-FB	W/ CASTERS / EXPANSION VALVE
B52	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B53	1	CONVEYOR TOASTER	HALTCO	TQ-10	-
B54	-	SPARE NUMBER	-	-	-
B55	1	LANDING TABLE W/ OVERSHELF	FABRICATOR	CUSTOM	W/ UTENSIL RACK / TOMBSTONE ELECTRICAL OUTLETS
B56	5	MOBILE POKER CHIP DISH DOLLY	METRO	PCD11A	-
B57	1	SMART WALL G3 (TALL WALL)	METRO	CUSTOM	GREY
B58	2	MOBILE POT/PAN RACK	METRO	PR48VX3	-
B59	-	SPARE NUMBER	-	-	-
B60	1	POT WASH MACHINE W/ BOOSTER HEATER	HOBART	PW10-1	W/ DRAIN TEMPERING KIT
B61	1	CONDENSATE HOOD	HALTON	CUSTOM	-
B62	1	ULTRAWASH-3 COMPARTMENT SINK	AEROWERKS	CUSTOM	-
B63	-	SPARE NUMBER	-	-	-
B64	1	EYE WASH STATION	T&S BRASS	EW-7360B-TMV	W/ THERMOSTATIC MIXING VALVE
B65	-	SPARE NUMBER	-	-	-
B66	1	MOP/BROOM RACK	ADVANCE TABCO	K242	-
B67	1	MOP SINK/CAN WASH	IMC TEDDY	DL-20-1	-
B68	LOT	CHEMICAL STORAGE SHELVING	METRO	MAX Q	-
B69	-	SPARE NUMBER	-	-	-
B70	-	SPARE NUMBER	-	-	-
B71	1	DUNNAGE RACK	METRO	BOW TIE	-
B72	-	SPARE NUMBER	-	-	-
B73	3	S/S STANDARD FLOOR TROUGH W/ GRATE	IMC TEDDY	CUSTOM	SIZE AS SHOWN PER PLAN
B74	1	WALL MOUNTED HOSE REEL W/ MIXING CABINET	T&S BRASS	B-2339	-
B75	-	SPARE NUMBER	-	-	-
B76	-	SPARE NUMBER	-	-	-
B77	1	SOILED DISH TABLE W/ TROUGH / CONVEYOR	AEROWERKS	CUSTOM	-
B78	1	TROUGH COLLECTOR	AEROWERKS	WCRT	-
B79	-	SPARE NUMBER	-	-	-
B80	-	SPARE NUMBER	-	-	-
B81	2	MOBILE SOAK SINK	AEROWERKS	CUSTOM	-
B82	1	RACK SHELF W/ STORAGE	AEROWERKS	CUSTOM	-
B83	1	FLIGHT-TYPE DISH MACHINE W/ BOOSTER HEATER	HOBART	FT1023e-ASRERBD L-R	W/ DRAIN TEMPERING KIT
B84	1	EXHAUST DUCT	FABRICATOR	CUSTOM	-
B85	2	WATER SOFTENER	HOBART	WS-80	-
B86	LOT	TUBE FEEDING STORAGE SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
B87	1	MOBILE UTILITY CART	METRO	MY1627-34	-
B88	-	SPARE NUMBER	-	-	-
B89	-	SPARE NUMBER	-	-	-
B90	-	SPARE NUMBER	-	-	-
B91	4	MOBILE INGREDIENT BIN	RUBBERMAID	-	EXISTING RE-LOCATED
B92	1	DOUBLE CONVECTION OVEN	BLODGETT	DFG-200-ES-DBL	EXISTING / RE-LOCATED W/ CASTERS
B93	1	MOBILE HEATED CABINET	WITTCO	1826-13-BC-IS	EXISTING / RE-LOCATED
B94	1	60 QT. MIXER	HOBART	H-600T	EXISTING / RE-LOCATED
B95	3	MOBILE PAN RACK	-	-	EXISTING / RE-LOCATED
B96	-	SPARE NUMBER	-	-	-
B97	1	MICROWAVE OVEN	AMANA	RMS10DS	EXISTING / RE-LOCATED
B98	1	UNDER COUNTER REFRIGERATOR / FREEZER	RANDELL	FX-1UC	EXISTING / RE-LOCATED
B99	-	SPARE NUMBER	-	-	-
B100	-	SPARE NUMBER	-	-	-
B101	LOT	PATIENT TRAY CART	DINEX	-	EXISTING / RE-LOCATED



2 PHASE 1 (AREA - B) TUBE FEEDING STORAGE EQUIPMENT PLAN
1/4" = 1'-0"

PHASE 1 (AREA - B) TEMPORARY POD SCHEDULE OF EQUIPMENT

ITEM	QTY.	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
TP1	1	SERVING COUNTER W/ DOUBLE OVER SHELF / W LOAD CENTER	FABRICATOR	CUSTOM	PIPE BASE W/ STORAGE SHELVES ON TRAY MAKE UP SIDE / TEMPORARY ITEM, WILL NOT BE RE-USED IN PHASE 2
TP2	2	REFRIGERATED SANDWICH PREPARATION UNIT	CONTINENTAL	D48N18M-FB-D	W/ CASTERS / RE-LOCATED AS ITEM# D24 IN PHASE 2 (AREA - D)
TP3	2	WORKTOP FREEZER W/ S/S INTERIOR	CONTINENTAL	SWF27N	W/ CASTERS / EXPANSION VALVE / RELOCATED AS ITEM #D13 IN PHASE 2 (AREA - D)
TP4	2	FLASH BAKE OVEN	TURBOCHEF	i3	RE-LOCATED AS ITEM #D14 IN PHASE 2 (AREA - D)
TP5	2	PASTA COOKER	ARCOBALENO	APCE28	RELOCTED AS ITEM #D17 IN PHASE 2 (AREA - D)
TP6	4	PRINTER	-	-	BY OWNER / RE-LOCATED AS ITEM #D3 IN PHASE 2 (AREA - D)
TP7	2	MICROWAVE OVEN	SHARP	R-CD2200M	RE-LOCATED AS ITEM #D26 IN PHASE 2 (AREA - D)
TP8	-	SPARE NUMBER	-	-	-
TP9	1	SCANNER	-	-	BY OWNER
TP10	-	SPARE NUMBER	-	-	-
TP11	1	3-WELL MOBILE HEATED CABINET	FWE	HLC-3W6-7H-21-HWR	W/ 3-1/2" CASTERS / 8" PLATE SHELF / RE-LOCATED AS ITEM #D6 IN PHASE 2 (AREA - D)
TP12	2	HEAT LAMP	HATCO	GRAL-48D	RE-LOCATED AS ITEM #D8 IN PHASE 2 (AREA - D)
TP13	1	4-WELL MOBILE HEATED CABINET	FWE	HLC-4W6-7H-28-HWR	W/ 3-1/2" CASTERS / 8" PLATE SHELF / RE-LOCATED AS ITEM #D16 IN PHASE 2 (AREA - D)
TP14	1	BI-LEVEL MOBILE BASE ACTIVATOR STAND	FABRICATOR	CUSTOM	TEMPORARY ITEM, WILL NOT BE RE-USED IN PHASE 2
TP15	2	BASE ACTIVATOR	ALADDIN	ADV700	RE-LOCATED AS ITEM #D2 IN PHASE 2 (AREA - D)
TP16	2	MOBILE HEATED DISH DISPENSER	CADDY	CM-S-302-H	RE-LOCATED AS ITEM #D5 IN PHASE 2 (AREA - D)
TP17	1	MOBILE HEATED CABINET	WITTCO	1826-13-BC-IS	EXISTING RE-LOCATED / RE-LOCATED AS ITEM# B93 IN PHASE 1 (AREA - B) STEP 2
TP18	1	MOBILE HEATER PROOFER	ALTO-SHAAM	1000-UP/P	RE-LOCATED AS ITEM #B48 PHASE 1 (AREA - B) STEP 2
TP19	1	TRAY STARTER STATION	METRO	INM-STARTER 2460FS	RE-LOCATED AS ITEM #D34 IN PHASE 2 (AREA - D)
TP20	2	COFFEE BREWER W/ URNS	-	-	BY VENDOR RE-LOCATED AS ITEM # D46 IN PHASE 2 (AREA - D)
TP21	1	MOBILE TRAY LOWERATOR	CADDY	CM-2015-C	RE-LOCATED AS ITEM #D35 IN PHASE 2 (AREA - D)
TP22	4	AIR-CURTAIN REFRIGERATOR	F.W.E.	ASU-10	W/ CASTERS / RE-LOCATED AS ITEM #D37 IN PHASE 2 (AREA - D)
TP23	1	PATIENT TRAY CART	ALADDIN		EXISTING RELOCATED / RE-LOCATED AS ITEM #D76 IN PHASE 2 (AREA - D)
TP24	7	PATIENT TRAY CART	F.W.E.	ETC-1520-12p IM-*1025	RE-LOCATED AS ITEM #D53 IN PHASE 2 (AREA - D)
TP25	1	PATIENT TRAY CART	F.W.E.	ETC-1520-24p IM-*1025	RE-LOCATED AS ITEM #D51 IN PHASE 2 (AREA - D)
TP26	2	FREEZER	CONTINENTAL	D1FNSSGD	W/ CASTERS / EXPANSION VALVE / RE-LOCATED AS ITEM #D41 IN PHASE 2 (AREA - D)
TP27	1	MOBILE BASE STORAGE RACK	ALADDIN	SR100	RE-LOCATED AS ITEM #D38 IN PHASE 2 (AREA - D)

Coffee Brewer - Please identify location and specification for Cross Control Protection if connected to water supply. Typical. FS01-B.1.1

NOTE: SEE REMARKS IN TEMPORARY POD SCHEDULE OF EQUIPMENT FOR ITEM RE-LOCATION TO PHASE 2 (AREA - D)

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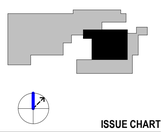
MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

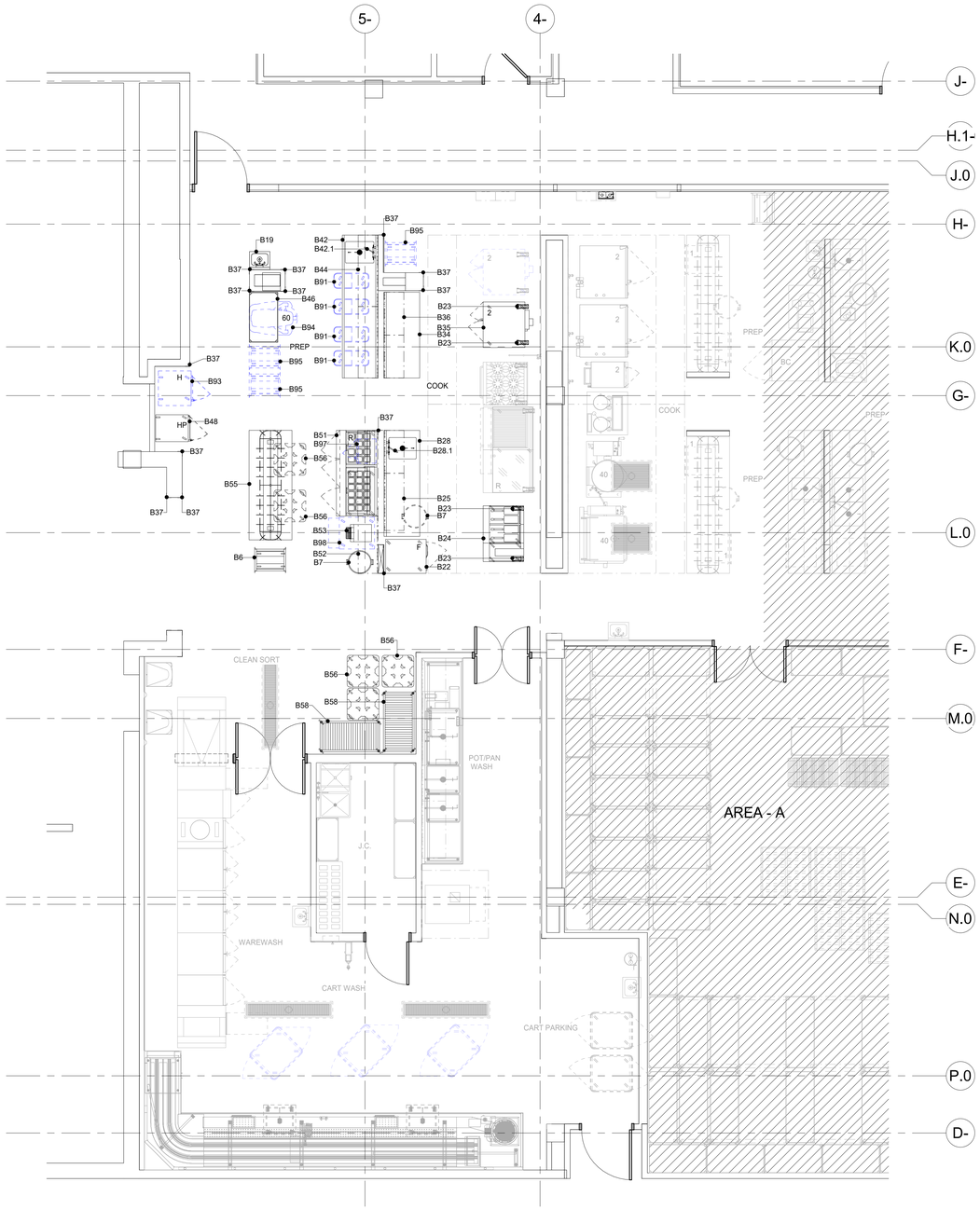
TITLE

PHASE 1 (AREA - B)
STEP 1 EQUIPMENT
PLAN AND SCHEDULE

SHEET NUMBER

FS01-B.1.1

4/22/2025 2:04:53 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-B-R25.rvt

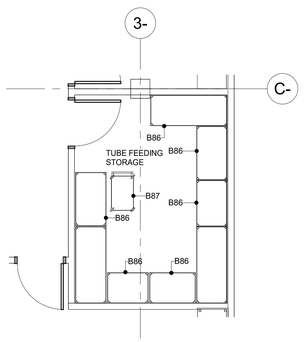


1 PHASE 1 (AREA - B) STEP 2 EQUIPMENT PLAN
1/4" = 1'-0"

NOTE:
IN THIS STEP THE TEMPORARY POD / TRAY ASSEMBLY EQUIPMENT IS REMOVED AND THE EQUIPMENT REQUIRED TO COMPLETE THE FINAL DESIGN IS INSTALLED.

PHASE 1 (AREA - B) SCHEDULE OF EQUIPMENT

ITEM	QTY.	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
B1	-	SPARE NUMBER	-	-	-
B2	-	SPARE NUMBER	-	-	-
B3	-	SPARE NUMBER	-	-	-
B4	-	SPARE NUMBER	-	-	-
B5	-	SPARE NUMBER	-	-	-
B6	1	MOBILE PAN RACK	METRO	RF3N	-
B7	4	MOBILE TRASH RECEPTACLE W/ DOLLY / LID	-	-	BY OWNER
B8	2	LANDING TABLE W/ OVERSHELF	FABRICATOR	CUSTOM	W/ UTENSIL RACK / TOMBSTONE ELECTRICAL OUTLETS
B9	3	DUAL COMBI OVEN CONNECTION MANIFOLD	EVERPURE	164-89912	-
B10	1	M.A.R.V.E.L. CONTROL PANEL	HALTON	CUSTOM	-
B11	1	EXHAUST HOOD	HALTON	KVE	-
B12	1	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	EXHAUST HOOD - ITEM #B11
B13	2	DOUBLE COMBI OVEN	ALTO-SHAAM	7-20G PRO OVER 7-20G PRO	W /STACKING KIT
B14	LOT	S/S WALL FLASHING	FABRICATOR	CUSTOM	-
B15	1	DOUBLE STEAMER	GROEN	(2)GSSP-BL-5GS	W/ DRAIN TEMPERING KIT
B16	1	DUAL TRUNNION KETTLE	GROEN	(2)CTDC/3-20-SG	W/ DOUBLE PANTRY FAUCET
B17	1	40 GAL. TILTING KETTLE	GROEN	DH-40A	W/ DOUBLE PANTRY FAUCET
B18	2	S/S ANTI SPILL FLOOR TROUGH W/ GRATE	IMC TEDDY	CUSTOM	SIZE AS SHOWN PER PLAN
B19	4	HAND SINK W/ SIDE SPLASHES	ADVANCE TABCO	7-PS-66W	-
B20	-	SPARE NUMBER	-	-	-
B21	1	40 GAL. TILTING BRAISING PAN	GROEN	BPM-40GA	W/ DOUBLE PANTRY FAUCET
B22	1	FREEZER	CONTINENTAL	DL1FENSS	W/ CASTERS
B23	(5) SETS	WHEEL POSITION DEVICE	T&S BRASS	POSI-SET	-
B24	1	DOUBLE FRYER/FILTER ASSEMBLY	PITCO	SE14S-2FD	W/ CASTERS
B25	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B26	1	REFRIGERATED EQUIPMENT STAND	CONTINENTAL	D72GN	W/ CASTERS / EXPANSION VALVE
B27	1	COUNTER TOP GRIDDLE W/ THERMOSTAT	MONTAGUE	C36-8T	W/ 8" PLATE SHELF
B28	1	PREPARATION TABLE W/ SINK	FABRICATOR	CUSTOM	-
B28.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT MOD 060X	-
B29	-	SPARE NUMBER	-	-	-
B30	-	SPARE NUMBER	-	-	-
B31	1	COUNTER TOP CHAR BROILER	MONTAGUE	UFLC-36R	W/ 8" PLATE SHELF
B32	1	6 - BURNER RANGE W/ CONVECTION OVEN	MONTAGUE	V136-5	W/ CASTERS
B33	1	POT FILLER	T&S BRASS	B-0594-CR	-
B34	1	PREPARATION TABLE	FABRICATOR	CUSTOM	-
B35	1	DOUBLE CONVECTION OVEN	MONTAGUE	HX2-63A	W/ CASTERS
B36	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B37	LOT	S/S CORNER GUARD	FABRICATOR	CUSTOM	-
B38	1	EXHAUST HOOD	HALTON	KVE	-
B39	-	SPARE NUMBER	-	-	-
B40	-	SPARE NUMBER	-	-	-
B41	1	FIRE SUPPRESSION SYSTEM	ANSUL	R-102	FOR EXHAUST HOOD - ITEM #B38
B42	1	BAKER'S TABLE W /SINK	FABRICATOR	CUSTOM	-
B42.1	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR-KIT MOD 060X	-
B43	-	SPARE NUMBER	-	-	-
B44	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B45	-	SPARE NUMBER	-	-	-
B46	1	MIXER ACCESSORY RACK	METRO	CUSTOM	-
B47	-	SPARE NUMBER	-	-	-
B48	1	MOBILE HEATER PROOFER	ALTO-SHAAM	1000-UP/P	-
B49	-	SPARE NUMBER	-	-	-
B50	-	SPARE NUMBER	-	-	-
B51	1	REFRIGERATED SANDWICH PREPARATION UNIT	CONTINENTAL	D72N30M-FB	W/ CASTERS / EXPANSION VALVE
B52	1	SMART WALL G3 (SHORT WALL)	METRO	CUSTOM	GREY
B53	1	CONVEYOR TOASTER	HATCO	TQ-10	-
B54	-	SPARE NUMBER	-	-	-
B55	1	LANDING TABLE W/ OVERSHELF	FABRICATOR	CUSTOM	W/ UTENSIL RACK / TOMBSTONE ELECTRICAL OUTLETS
B56	5	MOBILE POKER CHIP DISH DOLLY	METRO	PCD11A	-
B57	1	SMART WALL G3 (TALL WALL)	METRO	CUSTOM	GREY
B58	2	MOBILE POT/PAN RACK	METRO	PR48VX3	-
B59	-	SPARE NUMBER	-	-	-
B60	1	POT WASH MACHINE W/ BOOSTER HEATER	HOBART	PW10-1	W/ DRAIN TEMPERING KIT
B61	1	CONDENSATE HOOD	HALTON	CUSTOM	-
B62	1	ULTRAWASH-3 COMPARTMENT SINK	AEROWERKS	CUSTOM	-
B63	-	SPARE NUMBER	-	-	-
B64	1	EYE WASH STATION	T&S BRASS	EW-7360B-TMV	W/ THERMOSTATIC MIXING VALVE
B65	-	SPARE NUMBER	-	-	-
B66	1	MOP/BROOM RACK	ADVANCE TABCO	K242	-
B67	1	MOP SINK/CAN WASH	IMC TEDDY	DL-20-1	-
B68	LOT	CHEMICAL STORAGE SHELVING	METRO	MAX Q	-
B69	-	SPARE NUMBER	-	-	-
B70	-	SPARE NUMBER	-	-	-
B71	1	DUNNAGE RACK	METRO	BOW TIE	-
B72	-	SPARE NUMBER	-	-	-
B73	3	S/S STANDARD FLOOR TROUGH W/ GRATE	IMC TEDDY	CUSTOM	SIZE AS SHOWN PER PLAN
B74	1	WALL MOUNTED HOSE REEL W/ MIXING CABINET	T&S BRASS	B-2339	-
B75	-	SPARE NUMBER	-	-	-
B76	-	SPARE NUMBER	-	-	-
B77	1	SOILED DISH TABLE W/ TROUGH / CONVEYOR	AEROWERKS	CUSTOM	-
B78	1	TROUGH COLLECTOR	AEROWERKS	WCRT	-
B79	-	SPARE NUMBER	-	-	-
B80	-	SPARE NUMBER	-	-	-
B81	2	MOBILE SOAK SINK	AEROWERKS	CUSTOM	-
B82	1	RACK SHELF W/ STORAGE	AEROWERKS	CUSTOM	-
B83	1	FLIGHT-TYPE DISH MACHINE W/ BOOSTER HEATER	HOBART	FT1023e-ASRERBD L-R	W/ DRAIN TEMPERING KIT
B84	1	EXHAUST DUCT	FABRICATOR	CUSTOM	-
B85	2	WATER SOFTENER	HOBART	WS-80	-
B86	LOT	TUBE FEEDING STORAGE SHELVING	METRO	MAX Q	W/ SOLID BOTTOM SHELF
B87	1	MOBILE UTILITY CART	METRO	MY1627-34	-
B88	-	SPARE NUMBER	-	-	-
B89	-	SPARE NUMBER	-	-	-
B90	-	SPARE NUMBER	-	-	-
B91	4	MOBILE INGREDIENT BIN	RUBBERMAID	-	EXISTING RE-LOCATED
B92	1	DOUBLE CONVECTION OVEN	BLODGETT	DFG-200-ES-DBL	EXISTING / RE-LOCATED W/ CASTERS
B93	1	MOBILE HEATED CABINET	WITTCO	1826-13-BC-IS	EXISTING / RE-LOCATED
B94	1	60 QT. MIXER	HOBART	H-600T	EXISTING / RE-LOCATED
B95	3	MOBILE PAN RACK	-	-	EXISTING / RE-LOCATED
B96	-	SPARE NUMBER	-	-	-
B97	1	MICROWAVE OVEN	AMANA	RMS10DS	EXISTING / RE-LOCATED
B98	1	UNDER COUNTER REFRIGERATOR / FREEZER	RANDELL	FX-1UC	EXISTING / RE-LOCATED
B99	-	SPARE NUMBER	-	-	-
B100	-	SPARE NUMBER	-	-	-
B101	LOT	PATIENT TRAY CART	DINEX	-	EXISTING / RE-LOCATED



2 PHASE 1 (AREA - B) TUBE FEEDING STORAGE EQUIPMENT PLAN..
1/4" = 1'-0"

GENERAL NOTES

PLEASE DISREGARD NOTES THAT DO NOT APPLY TO THIS PROJECT

DIMENSION SHOWN ARE DESIGN PURPOSES ONLY & ARE TO BE CONSIDERED FROM FINISHED WALLS. ALL DIMENSIONS GIVEN MUST BE FIELD VERIFIED BEFORE FINAL PLANS ARE SUBMITTED.

THESE DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTIONS W/THE WRITTEN FOODSERVICE EQUIPMENT SPECIFICATIONS AS WRITTEN BY INMAN FOODSERVICES GROUP & IN COORDINATION W/ARCHITECTURAL/ENGINEERING DRAWINGS AS AN AID TO ALL CONTRACTORS INVOLVED W/FOODSERVICE EQUIPMENT.

INDICATED MECHANICAL, ELECTRICAL & PLUMBING INFORMATION & OUTLETS HAVE BEEN LOCATED AS ACCURATELY AS CAN BE DETERMINED & ARE INTENDED TO SUIT REQUIREMENTS OF FIXTURES & EQUIPMENT AS SPECIFIED IN THIS CONTRACT DOCUMENT SET. INMAN FOODSERVICES GROUP SHALL NOT BE RESPONSIBLE FOR ANY DISCREPANCIES WHICH MAY DEVELOP BETWEEN LOCATIONS OF CONNECTIONS SHOWN & ACTUAL LOCATIONS OF CONNECTIONS OF FIXTURE FURNISHED.

CONNECTIONS SHOWN ON THESE PLANS ARE APPROXIMATE LOCATIONS ON FIXTURES, EXCEPT WHERE OTHERWISE NOTED & ALLOWANCES MUST BE MADE FOR TRAPS, VALVES, SWITCHES OR OTHER CONNECTIONS REQUIREMENTS SO AS NOT TO INTERFERE W/OPERATIONS OF ITEMS OF FOODSERVICE EQUIPMENT.

KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH THE DIMENSIONED EQUIPMENT LAYOUT PLAN & MECHANICAL, ELECTRICAL & PLUMBING ROUGH-IN DRAWINGS AS PER THE WRITTEN SPECIFICATIONS AS DETAILED UNDER 1.22 SUBMITTALS REQUIREMENTS & APPROVALS.

THE KITCHEN EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DISCREPANCIES BETWEEN THE CONNECTIONS SHOWN HEREIN & THOSE REQUIRED FOR THE ACTUAL EQUIPMENT FURNISHED AS A RESULT OF SUBSTITUTIONS OR CHANGES INITIATED BY THE KITCHEN EQUIPMENT CONTRACTOR. THE KITCHEN EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR ANY & ALL RE-ENGINEERED OR REDESIGN COST INCURRED BY SAID SUBSTITIONS OR CHANGES.

CONNECTIONS, LOADS & CONSUMPTION SHOWN ON UTILITY CONNECTIONS PLANS ARE FOR ONE UNIT. TO DETERMINE TOTAL REQUIREMENTS MULTIPLY BY NUMBER IN EQUIPMENT SPECIFICATIONS.

CONSUMPTION RATES SHOWN ON CONNECTION PLANS ARE MAXIMUM RATES ONLY. ACTUAL CONSUMPTION WILL DEPEND UPON THE TOTAL HOURS THE VARIOUS EQUIPMENT ITEMS ARE OPERATED.

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PHASE 1 PERMIT SET 04/24/2025

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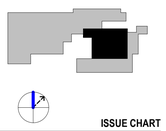
MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

PHASE 1 (AREA - B) STEP 2 EQUIPMENT PLAN AND SCHEDULE

SHEET NUMBER

FS01-B.1.2

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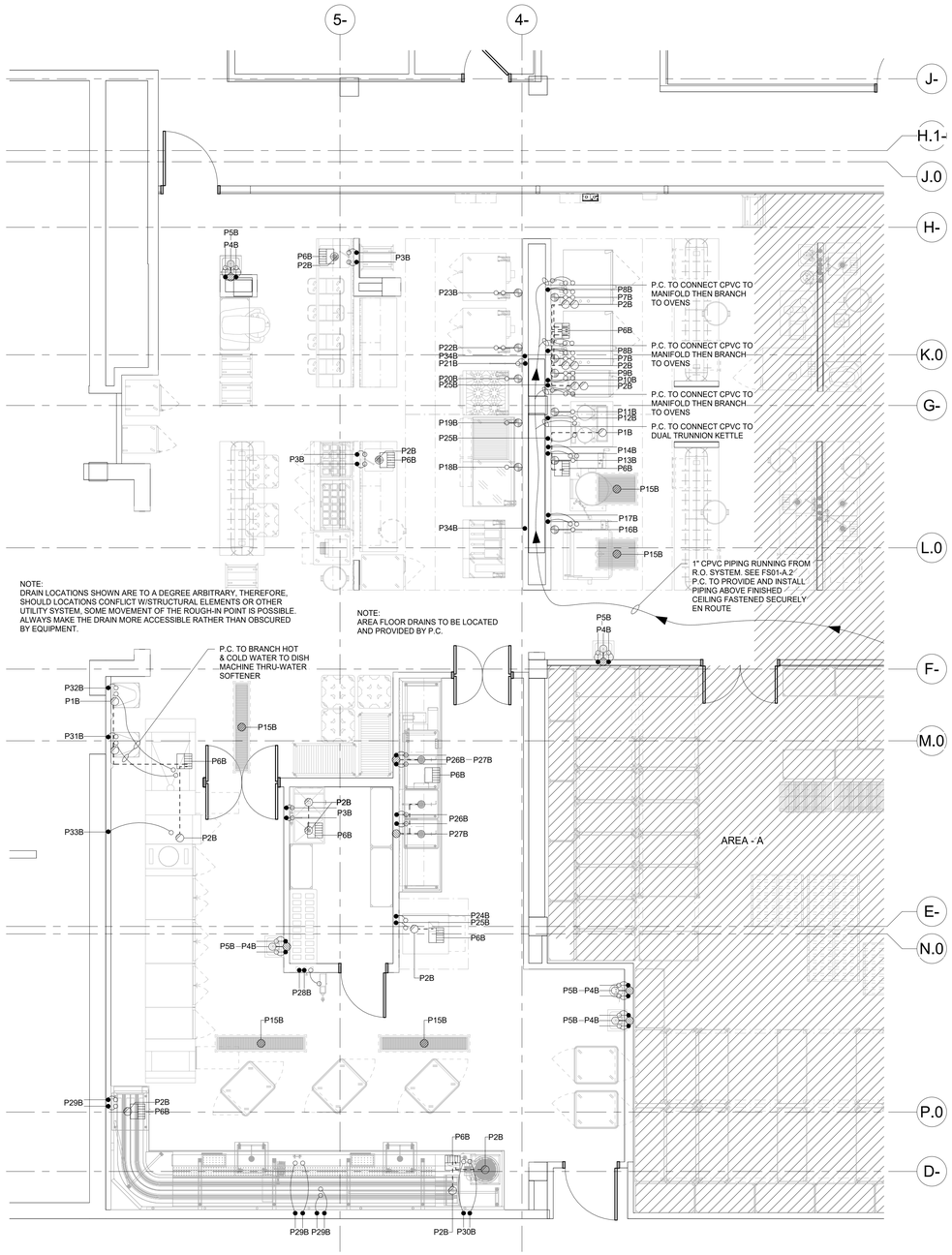

1 PHASE 1 (AREA - B) FINAL PLUMBING PLAN
1/4" = 1'-0"

PHASE 1 (AREA - B) WILL BE COMPLETED IN TWO STEPS.

(STEP 1) ALL PLUMBING FIXTURES WILL BE INSTALLED BUT ONLY SPECIFIC EQUIPMENT (INCLUDING) TEMPORARY POD EQUIPMENT WILL BE CONNECTED. REFER TO SHEET FS01-B.2.1

(STEP 2) TEMPORARY POD EQUIPMENT WILL BE REMOVED. EQUIPMENT REQUIRED TO COMPLETE FINAL DESIGN WILL BE INSTALLED. PLUMBING CONNECTIONS TO THAT EQUIPMENT WILL THEN BE MADE, REFER TO SHEET FS01-B.2.2

PHASE 1 (AREA - B) TEMPORARY POD PLUMBING CONNECTIONS SCHEDULE

NUMBER	SIZE	DESCRIPTION	LOCATION	A.F.F.	SERVICE TO	ITEM NO.	REMARKS
P34B	3/4"	COLD WATER	WALL	18"	PASTA COOKER	TP5	P.C. TO BRANCH TO CONNECTION AS REQUIRED / SUPPLY TO BE CAPPED IN STEP 2

PHASE 1 (AREA - B) PLUMBING CONNECTIONS SCHEDULE

NUMBER	SIZE	DESCRIPTION	LOCATION	A.F.F.	SERVICE TO	ITEM NO.	REMARKS
P1B	1"	INDIRECT WASTE	-	-	AIR GAP DRAIN	-	-
P2B	2"	INDIRECT WASTE	-	-	AIR GAP DRAIN	-	-
P3B	1/2"	HOT & COLD WATER	WALL	18"	SUPPLY	-	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P4B	1/2"	HOT & COLD WATER	WALL	20"	HAND SINK / EYE WASH	B19 / B64	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P5B	1-1/2"	DIRECT WASTE	WALL	22"	HAND SINK / EYE WASH	B19 / B64	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P6B	-	FLOOR SINK	-	-	-	-	-
P7B	3/4"	GAS @ 98,000 B.T.U.(PER OVEN)	WALL	18" / 36"	DOUBLE COMBI OVEN	B13	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P8B	1/2"	COLD WATER (2 CONNECTIONS)	WALL	12" / 24"	DOUBLE COMBI OVEN	B13	P.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY 2)
P9B	1/2"	GAS @ 58,000 MIN. BTU. (PER OVEN)	WALL	18" / 36"	DOUBLE STEAMER	B15	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P10B	1/2"	COLD WATER (2 CONNECTIONS)	WALL	12" / 24"	DOUBLE STEAMER	B15	P.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY 2)
P11B	1/2"	GAS @ 120,000 B.T.U.	WALL	18"	TRUNNION KETTLE	B16	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P12B	1/2"	HOT WATER	WALL	12"	TRUNNION KETTLE	B16	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P13B	1/2"	GAS @ 100,000 B.T.U.	WALL	18"	40 GAL. TILTING KETTLE	B17	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P14B	1/2"	HOT & COLD WATER	WALL	12"	40 GAL. TILITING KETTLE	B17	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P15B	4"	DIRECT WASTE	FLOOR	STUB	FLOOR TROUGH	B18 / B73	-
P16B	1/2"	GAS @ 144,000 B.T.U.	WALL	18"	40 GAL. TILTING BRAISING PAN	B21	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P17B	1/2"	HOT & COLD WATER	WALL	12"	40 GAL. TILITING BRAISING PAN	B21	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P18B	1/2"	GAS @ 80,000 B.T.U.	WALL	18"	COUNTER TOP GRIDDLE	B27	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P19B	1/2"	GAS @ 114,000 B.T.U.	WALL	18"	COUNTER TOP CHAR BROILER	B31	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P20B	1/2"	GAS @ 220,000 B.T.U.	WALL	18"	6-BURNER RANGE W/ CONVECTION OVEN	B32	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P21B	1/2"	COLD WATER	WALL	48"	POT FILLER	B33	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P22B	1/2"	GAS @ 63,000 B.T.U. (PER OVEN)	WALL	18" / 36"	DOUBLE CONVECTION OVEN	B35	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P23B	3/4"	GAS @ 50,000 B.T.U. (PER OVEN)	WALL	18" / 36"	(EXISTING) DOUBLE CONVECTION OVEN	B92	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P24B	1/2"	HOT WATER @ 110° MIN.	WALL	12"	POT WASH MACHINE W/ BOOSTER HEATER	B60	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P25B	1/2"	COLD WATER	WALL	12"	DRAIN TEMPERING KIT	B15 / B16 / B60	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P26B	3/4"	HOT & COLD WATER	WALL	20"	ULTRAWASH 3 COMPARTMENT SINK	B62	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P27B	2"	DIRECT WASTE	WALL	6"	ULTRAWASH 3 COMPARTMENT SINK	B62	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P28B	1/2"	HOT & COLD WATER	WALL	60"	WALL MOUNTED HOSE REEL W/ MIXING CABINET	B74	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P29B	1/2"	HOT & COLD WATER	WALL	6"	SOILED DISH TABLE	B77	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P30B	1/2"	HOT & COLD WATER	WALL	6"	WASTE COLLECTOR	B78	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P31B	1"	HOT WATER @110° MIN.	WALL	6"	HIGH TEMP. DISH MACHINE W/ BOOSTER HEATER	B83	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P32B	1"	COLD WATER	WALL	6"	HIGH TEMP. DISH MACHINE W/ BOOSTER HEATER	B83	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P33B	1"	COLD WATER	WALL	6"	DRAIN TEMPERING KIT	B83	P.C. TO BRANCH TO CONNECTION AS REQUIRED

PLUMBING NOTES

PLEASE DISREGARDS NOTES THAT DO NOT APPLY TO THIS PROJECT

ALL DIMENSIONS ARE FROM FINISHED WALLS, FLOORS, CEILINGS &/OR FROM CENTERLINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY THE KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO-FINISH" UNLESS OTHERWISE NOTED.

UTILITIES SHOWN ARE FOR ITEMS OF FOODSERVICE EQUIPMENT ONLY & ARE THE MINIMUM REQUIRED TO OPERATE EQUIPMENT. LOCATIONS OF ANY ADDITIONAL PLUMBING UTILITIES WHICH MAY BE REQUIRED SHALL BE DETERMINED BY THE ARCHITECT/ ENGINEER.

PLUMBING PLAN SHOWS OUTLET & CONNECTIONS LOCATIONS W/CAPACITIES. FOR ACTUAL ROUGH-IN LOCATIONS, REFER TO DIMENSIONED DRAWINGS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

FINAL PLUMBING CONNECTIONS INCLUDING MOUNTING OF DRAINS, FAUCETS & PIPING FROM POINT-OF-CONNECTIONS ON EQUIPMENT TO BUILDING PLUMBING SYSTEM & INTERCONNECTIONS BETWEEN EQUIPMENT COMPONENTS SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

PLUMBING CONTRACTOR SHALL PROVIDE FINAL INTERCONNECTIONS BETWEEN EQUIPMENT & UTILITY DISTRIBUTION SYSTEM. QUICK DISCONNECT HOSES SHALL BE FURNISHED LOOSE BY THE KITCHEN EQUIPMENT CONTRACTOR.

ALL PLUMBING MATERIALS, INCLUDING PIPE, TRAPS, STOPS, VALVES, FITTINGS, SHUT-OFFS, WATER HAMMER ARRESTORS, PRESSURE REDUCING VALVES, GAUGES, UNIONS & INSULATION SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

PLUMBING CONTRACTOR SHALL INSTALL ALL FAUCETS & PLUMBING ACCESSORIES PROVIDED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR.

UTILITIES (GAS, WATER & STEAM) SHALL BE CONCEALED IN WALLS & STUBBED-OUT OF FINISHED WALLS. 6" PIPING STUBBED OUT OF THE FLOOR OR WALL & RUN EXPOSED SHALL NOT BE ACCEPTABLE & IS IN VIOLATION OF HEALTH DEPARTMENT CODES. ALL PENETRATIONS SHALL BE SEALED & WATER TIGHT.

ALL EXPOSED PIPING SHALL BE CHROME PLATED TO SATISFY LOCAL HEALTH DEPARTMENT.

PLUMBING COMPONENTS, PROVIDED BY PLUMBING CONTRACTOR INCLUDING VALVES, TRAPS, SHUT-OFFS, GAUGES AND CONNECTIONS SHALL NOT INTERFERE IN ANY WAY W/THE OPERATION OF ITEMS OF FOODSERVICE.

WATER PRESSURE IN EQUIPMENT AREA SHOULD NOT EXCEED 50 PSI IN BOTH HOT & COLD WATER SUPPLY LINES. THE WATER PRESSURE TO DISHWASHERS, GLASSWASHERS & BOOSTER HEATERS SHOULD NOT EXCEED 25 PSI. PRESSURE REDUCING VALVES PROVIDED BY PLUMBING CONTRACTOR MUST MEET EQUIPMENT MANUFACTURER'S FLOOR RECOMMENDATIONS.

FLOOR SINKS SHALL BE INSTALLED FLUSH W/FINISHED FLOOR W/OR WITHOUT GRATE COVER AS INDICATED ON PLAN.

ALL LINES SHALL BE FLUSHED FREE OF FOREIGN MATTER & LINE STRAINERS & FAUCET AERATORS CLEANED PRIOR TO MAKE-UP OF FINAL UTILITY CONNECTIONS BY PLUMBING CONTRACTOR.

GREASE TRAPS SHALL BE PROVIDED BY PLUMBING CONTRACTOR & SHALL BE RECESS-MOUNTED, FLUSH W/TOP OF FINISHED FLOOR. GREASE TRAPS SHALL NOT BE LOCATED BENEATH ANY ITEM OF FOODSERVICE EQUIPMENT & THE REMOVAL OF COVER SHALL NOT INTERFERE W/THE OPERATIONS OF ANY FOODSERVICE EQUIPMENT ITEMS.

ALL DRAIN LINES FOR DISPOSERS SHALL BY-PASS GREASE TRAPS.

HOT WATER TEMPERATURE TO BOOSTER HEATER, DISHMACHINE & GLASSWASHER MUST BE 110F. HOT WATER LINE FROM BOOSTER HEATER TO GLASSWASHER/DISHMACHINE SHALL BE PROVIDED W/WATER HAMMER ARRESTOR (ASSE-1010 STD) @ CONNECTION TO DISHWASHER & SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

DRAIN LINES FROM EVAPORATOR COILS (QUICK-FALL TYPE) SHALL BE TRAPPED OUTSIDE OF WALK-IN FREEZER/COOLER ASSEMBLIES & EXTENDED OVER BUILDING DRAIN BY PLUMBING CONTRACTOR. ALL PENETRATIONS IN WALK-IN FREEZER/COOLER ASSEMBLIES SHALL BE MADE BY KITCHEN EQUIPMENT CONTRACTOR. REFER TO EVAPORATOR COIL DETAIL.

TRENCH-TYPE DRAIN TROUGH SHALL BE FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR TO THE G.C. FOR INSTALLATION. PLUMBING CONTRACTOR SHALL PROVIDE DRAIN CONNECTIONS AS SHOWN ON DETAILS.

GAS MAIN SHALL BE PROVIDED W/A READILY ACCESSIBLE MANUAL SHUT-OFF VALVE BY PLUMBING CONTRACTOR. LOCATION OF VALVE TO BE COORDINATED W/FOODSERVICE CONSULTANT. A LOOPED GAS SERVICE IS RECOMMENDED TO PROVIDE FOR BALANCED FUEL DISTRIBUTION. SIZE OF GAS LINE TO BE DETERMINED BY ARCHITECT/ENGINEER. SEE PLUMBING SCHEDULE FOR BTU/HOUR REQUIREMENTS.

PLUMBING CONTRACTOR SHALL PROVIDE MANUAL GAS SHUT-OFF DEVICES @ EACH INDIVIDUAL PIECE OF EQUIPMENT NOT BATTERED TOGETHER. LOCATION OF FUEL SHUT-OFF VALVES TO BE COORDINATED W/FOODSERVICE CONSULTANT. GAS PRESSURE REDUCING VALVES REQUIRED FOR EACH INDIVIDUAL PIECE OF COOKING EQUIPMENT SHALL BE FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR FOR INSTALLATION BY PLUMBING CONTRACTOR.

FOR VENTILATION FIRE SUPPRESSION SYSTEM W/GAS HEATED COOKING EQUIPMENT, PLUMBING CONTRACTOR SHALL INSTALL MECHANICAL FUEL SHUT-OFF VALVE FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR IN GAS LINES SERVING COOKING EQUIPMENT. LOCATION OF FUEL SHUT-OFF VALVES TO BE COORDINATED W/FOODSERVICE CONSULTANT. KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE REMOTE MANUAL PULL STATION, & MICRO-SWITCH. GAS SHUT-OFF VALVE SHALL BE MECHANICALLY ACTIVATED IN CASE OF FIRE BY MECHANICAL/PNEUMATIC MECHANISM. ANY & ALL ELECTRICAL INTERCONNECTING REQUIRED FOR FAN CONTROL &/OR ALARM SYSTEMS SHALL BE BY ELECTRICAL CONTRACTOR.

DISPOSER &/OR WASTE PULPER DRAIN LINES SHALL BE PROVIDED W/ADEQUATE CLEANOUT FITTINGS.

INTERPIPING BETWEEN DISPOSER SOLENOID VALVE, DISPOSER & TROUGH &/OR SINK INLETS SHALL BE PROVIDED BY PLUMBING CONTRACTOR. SEE DETAILS FOR ADDITIONAL INFORMATION.

PLUMBING CONTRACTOR SHALL FURNISH & INSTALL ALL BELOW GRADE 6" BEVERAGE CONDUITS AS INDICATED W/24" MINIMUM SWEEPING BENDS, CUT OFF CONDUIT 6" A.F.F. & CAP OFF CONDUIT MUST BE WATER TIGHT & MATERIAL MUST MEET ALL LOCAL & STATE CODES.

PLUMBING SYMBOLS

COLD WATER	CW	
HOT WATER	HW	
COOLING TOWER WATER	CTW	
COOLING TOWER WATER RETURN	CTWR	
WASTE	W	
INDIRECT WASTE	IW	
HUB DRAIN/AIR GAP DRAIN	HD/AGD	
FLOOR DRAIN	FD	
FUNNEL-TYPE FLOOR DRAIN	FFD	
FLOOR SINK - 1/2 GRATE	FS	
STEAM SUPPLY	SS	
CONDENSATE RETURN	CR	
GAS SUPPLY	G	
POINT OF CONNECTION		

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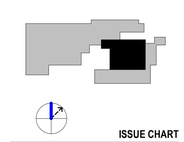
PHASE 1 PERMIT SET 04/24/2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

PHASE 1 (AREA - B) FINAL PLUMBING PLAN AND SCHEDULE

SHEET NUMBER

FS01-B.2

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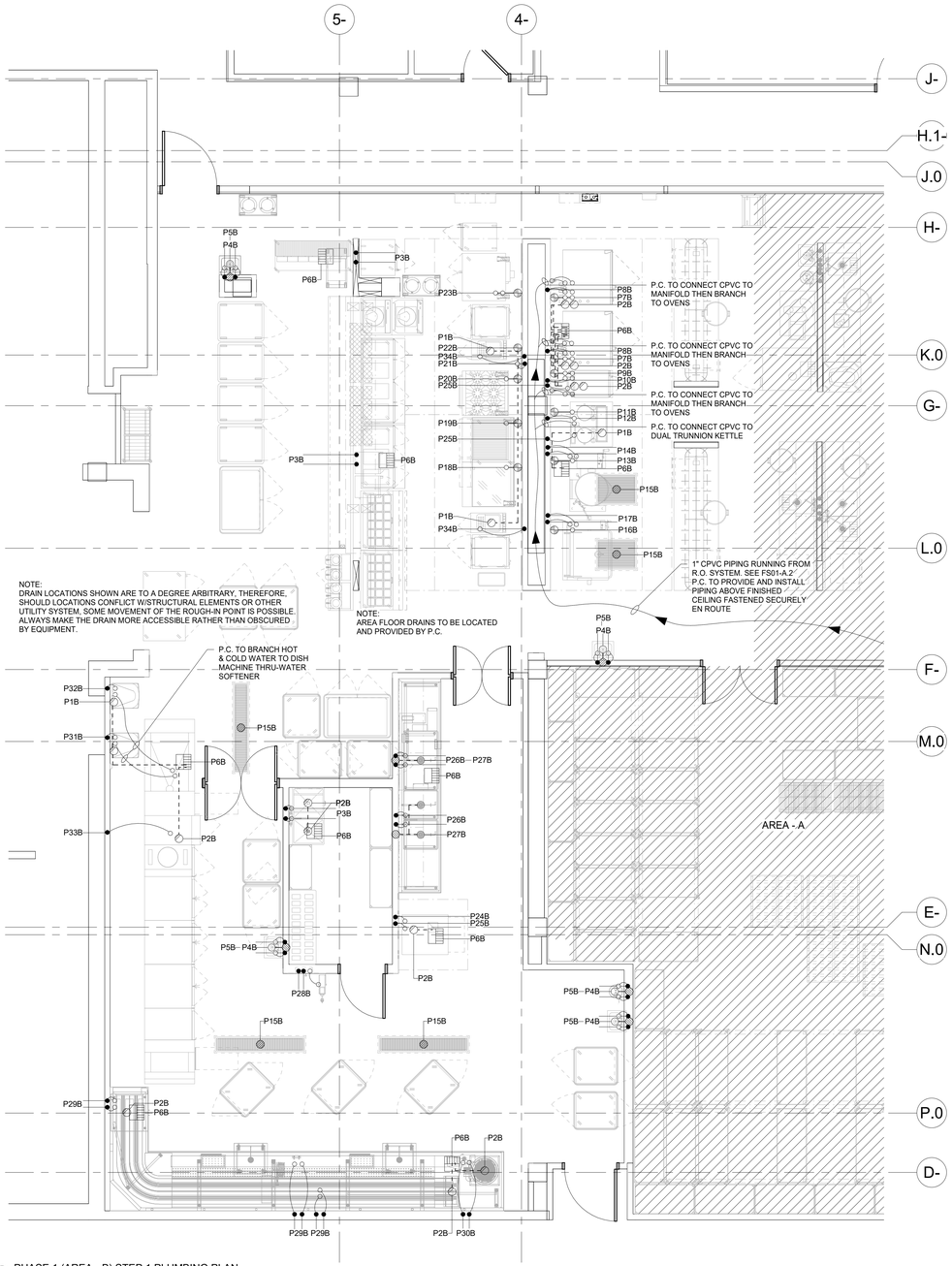

1 PHASE 1 (AREA - B) STEP 1 PLUMBING PLAN
1/4" = 1'-0"

PHASE 1 (AREA - B) TEMPORARY POD PLUMBING CONNECTIONS SCHEDULE

NUMBER	SIZE	DESCRIPTION	LOCATION	A.F.F.	SERVICE TO	ITEM NO.	REMARKS
P34B	3/4"	COLD WATER	WALL	18"	PASTA COOKER	TP5	P.C. TO BRANCH TO CONNECTION AS REQUIRED / SUPPLY TO BE CAPPED IN STEP 2

PHASE 1 (AREA - B) PLUMBING CONNECTIONS SCHEDULE

NUMBER	SIZE	DESCRIPTION	LOCATION	A.F.F.	SERVICE TO	ITEM NO.	REMARKS
P1B	1"	INDIRECT WASTE	-	-	AIR GAP DRAIN	-	-
P2B	2"	INDIRECT WASTE	-	-	AIR GAP DRAIN	-	-
P3B	1/2"	HOT & COLD WATER	WALL	18"	SUPPLY	-	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P4B	1/2"	HOT & COLD WATER	WALL	20"	HAND SINK / EYE WASH	B19 / B64	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P5B	1-1/2"	DIRECT WASTE	WALL	22"	HAND SINK / EYE WASH	B19 / B64	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P6B	-	FLOOR SINK	-	-	-		-
P7B	3/4"	GAS @ 98,000 B.T.U.(PER OVEN)	WALL	18" / 36"	DOUBLE COMBI OVEN	B13	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P8B	1/2"	COLD WATER (2 CONNECTIONS)	WALL	12" / 24"	DOUBLE COMBI OVEN	B13	P.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY 2)
P9B	1/2"	GAS @ 58,000 MIN. BTU. (PER OVEN)	WALL	18" / 36"	DOUBLE STEAMER	B15	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P10B	1/2"	COLD WATER (2 CONNECTIONS)	WALL	12" / 24"	DOUBLE STEAMER	B15	P.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY 2)
P11B	1/2"	GAS @ 120,000 B.T.U.	WALL	18"	TRUNNION KETTLE	B16	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P12B	1/2"	HOT WATER	WALL	12"	TRUNNION KETTLE	B16	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P13B	1/2"	GAS @ 100,000 B.T.U.	WALL	18"	40 GAL. TILTING KETTLE	B17	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P14B	1/2"	HOT & COLD WATER	WALL	12"	40 GAL. TILITING KETTLE	B17	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P15B	4"	DIRECT WASTE	FLOOR	STUB	FLOOR TROUGH	B18 / B73	-
P16B	1/2"	GAS @ 144,000 B.T.U.	WALL	18"	40 GAL. TILTING BRAISING PAN	B21	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P17B	1/2"	HOT & COLD WATER	WALL	12"	40 GAL. TILITING BRAISING PAN	B21	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P18B	1/2"	GAS @ 80,000 B.T.U.	WALL	18"	COUNTER TOP GRIDDLE	B27	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P19B	1/2"	GAS @ 114,000 B.T.U.	WALL	18"	COUNTER TOP CHAR BROILER	B31	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P20B	1/2"	GAS @ 220,000 B.T.U.	WALL	18"	6-BURNER RANGE W/ CONVECTION OVEN	B32	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P21B	1/2"	COLD WATER	WALL	48"	POT FILLER	B33	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P22B	1/2"	GAS @ 63,000 B.T.U. (PER OVEN)	WALL	18" / 36"	DOUBLE CONVECTION OVEN	B35	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P23B	3/4"	GAS @ 50,000 B.T.U. (PER OVEN)	WALL	18" / 36"	(EXISTING) DOUBLE CONVECTION OVEN	B92	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P24B	1/2"	HOT WATER @ 110° MIN.	WALL	12"	POT WASH MACHINE W/ BOOSTER HEATER	B60	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P25B	1/2"	COLD WATER	WALL	12"	DRAIN TEMPERING KIT	B15 / B16 / B60	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P26B	3/4"	HOT & COLD WATER	WALL	20"	ULTRAWASH 3 COMPARTMENT SINK	B62	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P27B	2"	DIRECT WASTE	WALL	6"	ULTRAWASH 3 COMPARTMENT SINK	B62	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P28B	1/2"	HOT & COLD WATER	WALL	60"	WALL MOUNTED HOSE REEL W/ MIXING CABINET	B74	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P29B	1/2"	HOT & COLD WATER	WALL	6"	SOILED DISH TABLE	B77	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P30B	1/2"	HOT & COLD WATER	WALL	6"	WASTE COLLECTOR	B78	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P31B	1"	HOT WATER @110° MIN.	WALL	6"	HIGH TEMP. DISH MACHINE W/ BOOSTER HEATER	B83	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P32B	1"	COLD WATER	WALL	6"	HIGH TEMP. DISH MACHINE W/ BOOSTER HEATER	B83	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P33B	1"	COLD WATER	WALL	6"	DRAIN TEMPERING KIT	B83	P.C. TO BRANCH TO CONNECTION AS REQUIRED

PLUMBING NOTES

PLEASE DISREGARDS NOTES THAT DO NOT APPLY TO THIS PROJECT

ALL DIMENSIONS ARE FROM FINISHED WALLS, FLOORS, CEILINGS &/OR FROM CENTERLINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY THE KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO-FINISH" UNLESS OTHERWISE NOTED.

UTILITIES SHOWN ARE FOR ITEMS OF FOODSERVICE EQUIPMENT ONLY & ARE THE MINIMUM REQUIRED TO OPERATE EQUIPMENT. LOCATIONS OF ANY ADDITIONAL PLUMBING UTILITIES WHICH MAY BE REQUIRED SHALL BE DETERMINED BY THE ARCHITECT/ ENGINEER.

PLUMBING PLAN SHOWS OUTLET & CONNECTIONS LOCATIONS W/CAPACITIES. FOR ACTUAL ROUGH-IN LOCATIONS, REFER TO DIMENSIONED DRAWINGS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

FINAL PLUMBING CONNECTIONS INCLUDING MOUNTING OF DRAINS, FAUCETS & PIPING FROM POINT-OF-CONNECTIONS ON EQUIPMENT TO BUILDING PLUMBING SYSTEM & INTERCONNECTIONS BETWEEN EQUIPMENT COMPONENTS SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

PLUMBING CONTRACTOR SHALL PROVIDE FINAL INTERCONNECTIONS BETWEEN EQUIPMENT & UTILITY DISTRIBUTION SYSTEM. QUICK DISCONNECT HOSES SHALL BE FURNISHED LOOSE BY THE KITCHEN EQUIPMENT CONTRACTOR.

ALL PLUMBING MATERIALS, INCLUDING PIPE, TRAPS, STOPS, VALVES, FITTINGS, SHUT-OFFS, WATER HAMMER ARRESTORS, PRESSURE REDUCING VALVES, GAUGES, UNIONS & INSULATION SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

PLUMBING CONTRACTOR SHALL INSTALL ALL FAUCETS & PLUMBING ACCESSORIES PROVIDED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR.

UTILITIES (GAS, WATER & STEAM) SHALL BE CONCEALED IN WALLS & STUBBED-OUT OF FINISHED WALLS. 6" PIPING STUBBED OUT OF THE FLOOR OR WALL & RUN EXPOSED SHALL NOT BE ACCEPTABLE & IS IN VIOLATION OF HEALTH DEPARTMENT CODES. ALL PENETRATIONS SHALL BE SEALED & WATER TIGHT.

ALL EXPOSED PIPING SHALL BE CHROME PLATED TO SATISFY LOCAL HEALTH DEPARTMENT.

PLUMBING COMPONENTS, PROVIDED BY PLUMBING CONTRACTOR INCLUDING VALVES, TRAPS, SHUT-OFFS, GAUGES AND CONNECTIONS SHALL NOT INTERFERE IN ANY WAY W/THE OPERATION OF ITEMS OF FOODSERVICE.

WATER PRESSURE IN EQUIPMENT AREA SHOULD NOT EXCEED 50 PSI IN BOTH HOT & COLD WATER SUPPLY LINES. THE WATER PRESSURE TO DISHWASHERS, GLASSWASHERS & BOOSTER HEATERS SHOULD NOT EXCEED 25 PSI. PRESSURE REDUCING VALVES PROVIDED BY PLUMBING CONTRACTOR MUST MEET EQUIPMENT MANUFACTURER'S FLOOR RECOMMENDATIONS.

FLOOR SINKS SHALL BE INSTALLED FLUSH W/FINISHED FLOOR W/OR WITHOUT GRATE COVER AS INDICATED ON PLAN.

ALL LINES SHALL BE FLUSHED FREE OF FOREIGN MATTER & LINE STRAINERS & FAUCET AERATORS CLEANED PRIOR TO MAKE-UP OF FINAL UTILITY CONNECTIONS BY PLUMBING CONTRACTOR.

GREASE TRAPS SHALL BE PROVIDED BY PLUMBING CONTRACTOR & SHALL BE RECESS-MOUNTED, FLUSH W/TOP OF FINISHED FLOOR. GREASE TRAPS SHALL NOT BE LOCATED BENEATH ANY ITEM OF FOODSERVICE EQUIPMENT & THE REMOVAL OF COVER SHALL NOT INTERFERE W/THE OPERATIONS OF ANY FOODSERVICE EQUIPMENT ITEMS.

ALL DRAIN LINES FOR DISPOSERS SHALL BY-PASS GREASE TRAPS.

HOT WATER TEMPERATURE TO BOOSTER HEATER, DISHMACHINE & GLASSWASHER MUST BE 110F. HOT WATER LINE FROM BOOSTER HEATER TO GLASSWASHER/DISHMACHINE SHALL BE PROVIDED W/WATER HAMMER ARRESTOR (ASSE-1010 STD) @ CONNECTION TO DISHWASHER & SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

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PLUMBING SYMBOLS

COLD WATER	CW	
HOT WATER	HW	
COOLING TOWER WATER	CTW	
COOLING TOWER WATER RETURN	CTWR	
WASTE	W	
INDIRECT WASTE	IW	
HUB DRAIN/AIR GAP DRAIN	HD/AGD	
FLOOR DRAIN	FD	
FUNNEL-TYPE FLOOR DRAIN	FFD	
FLOOR SINK - 1/2 GRATE	FS	
STEAM SUPPLY	SS	
CONDENSATE RETURN	CR	
GAS SUPPLY	G	
POINT OF CONNECTION		

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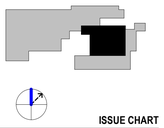
PHASE 1 PERMIT SET 04/24/2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

PHASE 1 (AREA - B)
STEP 1 PLUMBING PLAN
AND SCHEDULE

SHEET NUMBER

FS01-B.2.1

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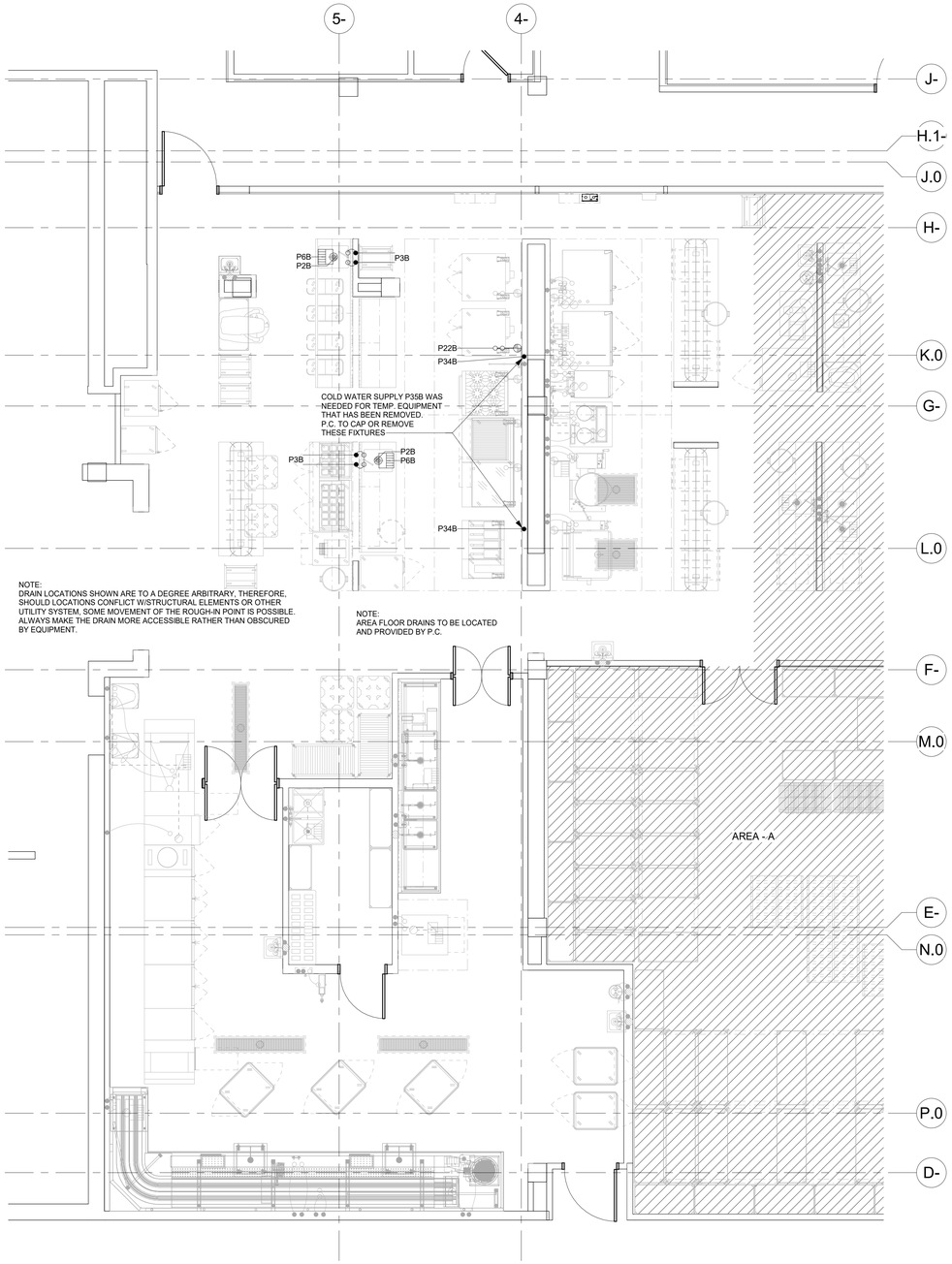

1 PHASE 1 (AREA - B) STEP 2 PLUMBING PLAN
1/4" = 1'-0"

PHASE 1 (AREA - B) TEMPORARY POD PLUMBING CONNECTIONS SCHEDULE

NUMBER	SIZE	DESCRIPTION	LOCATION	A.F.F.	SERVICE TO	ITEM NO.	REMARKS
P34B	3/4"	COLD WATER	WALL	18"	PASTA COOKER	TP5	P.C. TO BRANCH TO CONNECTION AS REQUIRED / SUPPLY TO BE CAPPED IN STEP 2

NOTE:
IN THIS STEP THE TEMPORARY POD / TRAY ASSEMBLY EQUIPMENT HAS BEEN REMOVED.
THE EQUIPMENT REQUIRED TO COMPLETE THE FINAL DESIGN HAS BEEN INSTALLED.
FINAL PLUMBING CONNECTION ARE NOW MADE

PHASE 1 (AREA - B) PLUMBING CONNECTIONS SCHEDULE

NUMBER	SIZE	DESCRIPTION	LOCATION	A.F.F.	SERVICE TO	ITEM NO.	REMARKS
P1B	1"	INDIRECT WASTE	-	-	AIR GAP DRAIN	-	-
P2B	2"	INDIRECT WASTE	-	-	AIR GAP DRAIN	-	-
P3B	1/2"	HOT & COLD WATER	WALL	18"	SUPPLY	-	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P4B	1/2"	HOT & COLD WATER	WALL	20"	HAND SINK / EYE WASH	B19 / B64	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P5B	1-1/2"	DIRECT WASTE	WALL	22"	HAND SINK / EYE WASH	B19 / B64	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P6B	-	FLOOR SINK	-	-	-	-	-
P7B	3/4"	GAS @ 98,000 B.T.U.(PER OVEN)	WALL	18" / 36"	DOUBLE COMBI OVEN	B13	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P8B	1/2"	COLD WATER (2 CONNECTIONS)	WALL	12" / 24"	DOUBLE COMBI OVEN	B13	P.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY 2)
P9B	1/2"	GAS @ 58,000 MIN. BTU. (PER OVEN)	WALL	18" / 36"	DOUBLE STEAMER	B15	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P10B	1/2"	COLD WATER (2 CONNECTIONS)	WALL	12" / 24"	DOUBLE STEAMER	B15	P.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY 2)
P11B	1/2"	GAS @ 120,000 B.T.U.	WALL	18"	TRUNNION KETTLE	B16	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P12B	1/2"	HOT WATER	WALL	12"	TRUNNION KETTLE	B16	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P13B	1/2"	GAS @ 100,000 B.T.U.	WALL	18"	40 GAL. TILTING KETTLE	B17	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P14B	1/2"	HOT & COLD WATER	WALL	12"	40 GAL. TILITING KETTLE	B17	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P15B	4"	DIRECT WASTE	FLOOR	STUB	FLOOR TROUGH	B18 / B73	-
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P19B	1/2"	GAS @ 114,000 B.T.U.	WALL	18"	COUNTER TOP CHAR BROILER	B31	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P20B	1/2"	GAS @ 220,000 B.T.U.	WALL	18"	6-BURNER RANGE W/ CONVECTION OVEN	B32	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT
P21B	1/2"	COLD WATER	WALL	48"	POT FILLER	B33	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P22B	1/2"	GAS @ 63,000 B.T.U. (PER OVEN)	WALL	18" / 36"	DOUBLE CONVECTION OVEN	B35	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P23B	3/4"	GAS @ 50,000 B.T.U. (PER OVEN)	WALL	18" / 36"	(EXISTING) DOUBLE CONVECTION OVEN	B92	P.C. TO BRANCH TO CONNECTION AS REQUIRED / PROVIDE QUICK DISCONNECT (QTY 2)
P24B	1/2"	HOT WATER @ 110° MIN.	WALL	12"	POT WASH MACHINE W/ BOOSTER HEATER	B60	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P25B	1/2"	COLD WATER	WALL	12"	DRAIN TEMPERING KIT	B15 / B16 / B60	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P26B	3/4"	HOT & COLD WATER	WALL	20"	ULTRAWASH 3 COMPARTMENT SINK	B62	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P27B	2"	DIRECT WASTE	WALL	6"	ULTRAWASH 3 COMPARTMENT SINK	B62	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P28B	1/2"	HOT & COLD WATER	WALL	60"	WALL MOUNTED HOSE REEL W/ MIXING CABINET	B74	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P29B	1/2"	HOT & COLD WATER	WALL	6"	SOILED DISH TABLE	B77	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P30B	1/2"	HOT & COLD WATER	WALL	6"	WASTE COLLECTOR	B78	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P31B	1"	HOT WATER @110° MIN.	WALL	6"	HIGH TEMP. DISH MACHINE W/ BOOSTER HEATER	B83	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P32B	1"	COLD WATER	WALL	6"	HIGH TEMP. DISH MACHINE W/ BOOSTER HEATER	B83	P.C. TO BRANCH TO CONNECTION AS REQUIRED
P33B	1"	COLD WATER	WALL	6"	DRAIN TEMPERING KIT	B83	P.C. TO BRANCH TO CONNECTION AS REQUIRED

PLUMBING NOTES

PLEASE DISREGARDS NOTES THAT DO NOT APPLY TO THIS PROJECT

ALL DIMENSIONS ARE FROM FINISHED WALLS, FLOORS, CEILINGS &/OR FROM CENTERLINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY THE KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO-FINISH" UNLESS OTHERWISE NOTED.

UTILITIES SHOWN ARE FOR ITEMS OF FOODSERVICE EQUIPMENT ONLY & ARE THE MINIMUM REQUIRED TO OPERATE EQUIPMENT. LOCATIONS OF ANY ADDITIONAL PLUMBING UTILITIES WHICH MAY BE REQUIRED SHALL BE DETERMINED BY THE ARCHITECT/ ENGINEER.

PLUMBING PLAN SHOWS OUTLET & CONNECTIONS LOCATIONS W/CAPACITIES. FOR ACTUAL ROUGH-IN LOCATIONS, REFER TO DIMENSIONED DRAWINGS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

FINAL PLUMBING CONNECTIONS INCLUDING MOUNTING OF DRAINS, FAUCETS & PIPING FROM POINT-OF-CONNECTIONS ON EQUIPMENT TO BUILDING PLUMBING SYSTEM & INTERCONNECTIONS BETWEEN EQUIPMENT COMPONENTS SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

PLUMBING CONTRACTOR SHALL PROVIDE FINAL INTERCONNECTIONS BETWEEN EQUIPMENT & UTILITY DISTRIBUTION SYSTEM. QUICK DISCONNECT HOSES SHALL BE FURNISHED LOOSE BY THE KITCHEN EQUIPMENT CONTRACTOR.

ALL PLUMBING MATERIALS, INCLUDING PIPE, TRAPS, STOPS, VALVES, FITTINGS, SHUT-OFFS, WATER HAMMER ARRESTORS, PRESSURE REDUCING VALVES, GAUGES, UNIONS & INSULATION SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

PLUMBING CONTRACTOR SHALL INSTALL ALL FAUCETS & PLUMBING ACCESSORIES PROVIDED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR.

UTILITIES (GAS, WATER & STEAM) SHALL BE CONCEALED IN WALLS & STUBBED-OUT OF FINISHED WALLS. 6" PIPING STUBBED OUT OF THE FLOOR OR WALL & RUN EXPOSED SHALL NOT BE ACCEPTABLE & IS IN VIOLATION OF HEALTH DEPARTMENT CODES. ALL PENETRATIONS SHALL BE SEALED & WATER TIGHT.

ALL EXPOSED PIPING SHALL BE CHROME PLATED TO SATISFY LOCAL HEALTH DEPARTMENT.

PLUMBING COMPONENTS, PROVIDED BY PLUMBING CONTRACTOR INCLUDING VALVES, TRAPS, SHUT-OFFS, GAUGES AND CONNECTIONS SHALL NOT INTERFERE IN ANY WAY W/THE OPERATION OF ITEMS OF FOODSERVICE.

WATER PRESSURE IN EQUIPMENT AREA SHOULD NOT EXCEED 50 PSI IN BOTH HOT & COLD WATER SUPPLY LINES. THE WATER PRESSURE TO DISHWASHERS, GLASSWASHERS & BOOSTER HEATERS SHOULD NOT EXCEED 25 PSI. PRESSURE REDUCING VALVES PROVIDED BY PLUMBING CONTRACTOR MUST MEET EQUIPMENT MANUFACTURER'S FLOOR RECOMMENDATIONS.

FLOOR SINKS SHALL BE INSTALLED FLUSH W/FINISHED FLOOR W/OR WITHOUT GRATE COVER AS INDICATED ON PLAN.

ALL LINES SHALL BE FLUSHED FREE OF FOREIGN MATTER & LINE STRAINERS & FAUCET AERATORS CLEANED PRIOR TO MAKE-UP OF FINAL UTILITY CONNECTIONS BY PLUMBING CONTRACTOR.

GREASE TRAPS SHALL BE PROVIDED BY PLUMBING CONTRACTOR & SHALL BE RECESS-MOUNTED, FLUSH W/TOP OF FINISHED FLOOR. GREASE TRAPS SHALL NOT BE LOCATED BENEATH ANY ITEM OF FOODSERVICE EQUIPMENT & THE REMOVAL OF COVER SHALL NOT INTERFERE W/THE OPERATIONS OF ANY FOODSERVICE EQUIPMENT ITEMS.

ALL DRAIN LINES FOR DISPOSERS SHALL BY-PASS GREASE TRAPS.

HOT WATER TEMPERATURE TO BOOSTER HEATER, DISHMACHINE & GLASSWASHER MUST BE 110F. HOT WATER LINE FROM BOOSTER HEATER TO GLASSWASHER/DISHMACHINE SHALL BE PROVIDED W/WATER HAMMER ARRESTOR (ASSE-1010 STD) @ CONNECTION TO DISHWASHER & SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

DRAIN LINES FROM EVAPORATOR COILS (QUICK-FALL TYPE) SHALL BE TRAPPED OUTSIDE OF WALK-IN FREEZER/COOLER ASSEMBLIES & EXTENDED OVER BUILDING DRAIN BY PLUMBING CONTRACTOR. ALL PENETRATIONS IN WALK-IN FREEZER/COOLER ASSEMBLIES SHALL BE MADE BY KITCHEN EQUIPMENT CONTRACTOR. REFER TO EVAPORATOR COIL DETAIL.

TRENCH-TYPE DRAIN TROUGH SHALL BE FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR TO THE G.C. FOR INSTALLATION. PLUMBING CONTRACTOR SHALL PROVIDE DRAIN CONNECTIONS AS SHOWN ON DETAILS.

GAS MAIN SHALL BE PROVIDED W/A READILY ACCESSIBLE MANUAL SHUT-OFF VALVE BY PLUMBING CONTRACTOR. LOCATION OF VALVE TO BE COORDINATED W/FOODSERVICE CONSULTANT. A LOOPED GAS SERVICE IS RECOMMENDED TO PROVIDE FOR BALANCED FUEL DISTRIBUTION. SIZE OF GAS LINE TO BE DETERMINED BY ARCHITECT/ENGINEER. SEE PLUMBING SCHEDULE FOR BTU/HOUR REQUIREMENTS.

PLUMBING CONTRACTOR SHALL PROVIDE MANUAL GAS SHUT-OFF DEVICES @ EACH INDIVIDUAL PIECE OF EQUIPMENT NOT BATTERED TOGETHER. LOCATION OF FUEL SHUT-OFF VALVES TO BE COORDINATED W/FOODSERVICE CONSULTANT. GAS PRESSURE REDUCING VALVES REQUIRED FOR EACH INDIVIDUAL PIECE OF COOKING EQUIPMENT SHALL BE FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR FOR INSTALLATION BY PLUMBING CONTRACTOR.

FOR VENTILATION FIRE SUPPRESSION SYSTEM W/GAS HEATED COOKING EQUIPMENT, PLUMBING CONTRACTOR SHALL INSTALL MECHANICAL FUEL SHUT-OFF VALVE FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR IN GAS LINES SERVING COOKING EQUIPMENT. LOCATION OF FUEL SHUT-OFF VALVES TO BE COORDINATED W/FOODSERVICE CONSULTANT. KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE REMOTE MANUAL PULL STATION, & MICRO-SWITCH. GAS SHUT-OFF VALVE SHALL BE MECHANICALLY ACTIVATED IN CASE OF FIRE BY MECHANICAL/PNEUMATIC MECHANISM. ANY & ALL ELECTRICAL INTERCONNECTING REQUIRED FOR FAN CONTROL &/OR ALARM SYSTEMS SHALL BE BY ELECTRICAL CONTRACTOR.

DISPOSER &/OR WASTE PULPER DRAIN LINES SHALL BE PROVIDED W/ADEQUATE CLEANOUT FITTINGS.

INTERPIPING BETWEEN DISPOSER SOLENOID VALVE, DISPOSER & TROUGH &/OR SINK INLETS SHALL BE PROVIDED BY PLUMBING CONTRACTOR. SEE DETAILS FOR ADDITIONAL INFORMATION.

PLUMBING CONTRACTOR SHALL FURNISH & INSTALL ALL BELOW GRADE 6" BEVERAGE CONDUITS AS INDICATED W/24" MINIMUM SWEEPING BENDS. CUT OFF CONDUIT 6" A.F.F. & CAP OFF CONDUIT MUST BE WATER TIGHT & MATERIAL MUST MEET ALL LOCAL & STATE CODES.

PLUMBING SYMBOLS

COLD WATER	CW	●
HOT WATER	HW	●
COOLING TOWER WATER	CTW	●
COOLING TOWER WATER RETURN	CTWR	●
WASTE	W	
INDIRECT WASTE	IW	
HUB DRAIN/AIR GAP DRAIN	HD/AGD	○
FLOOR DRAIN	FD	
FUNNEL-TYPE FLOOR DRAIN	FFD	
FLOOR SINK - 1/2 GRATE	FS	
STEAM SUPPLY	SS	
CONDENSATE RETURN	CR	
GAS SUPPLY	G	
POINT OF CONNECTION		

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TURNER & TOWNSEND
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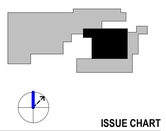
PHASE 1 PERMIT SET 04/24/2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

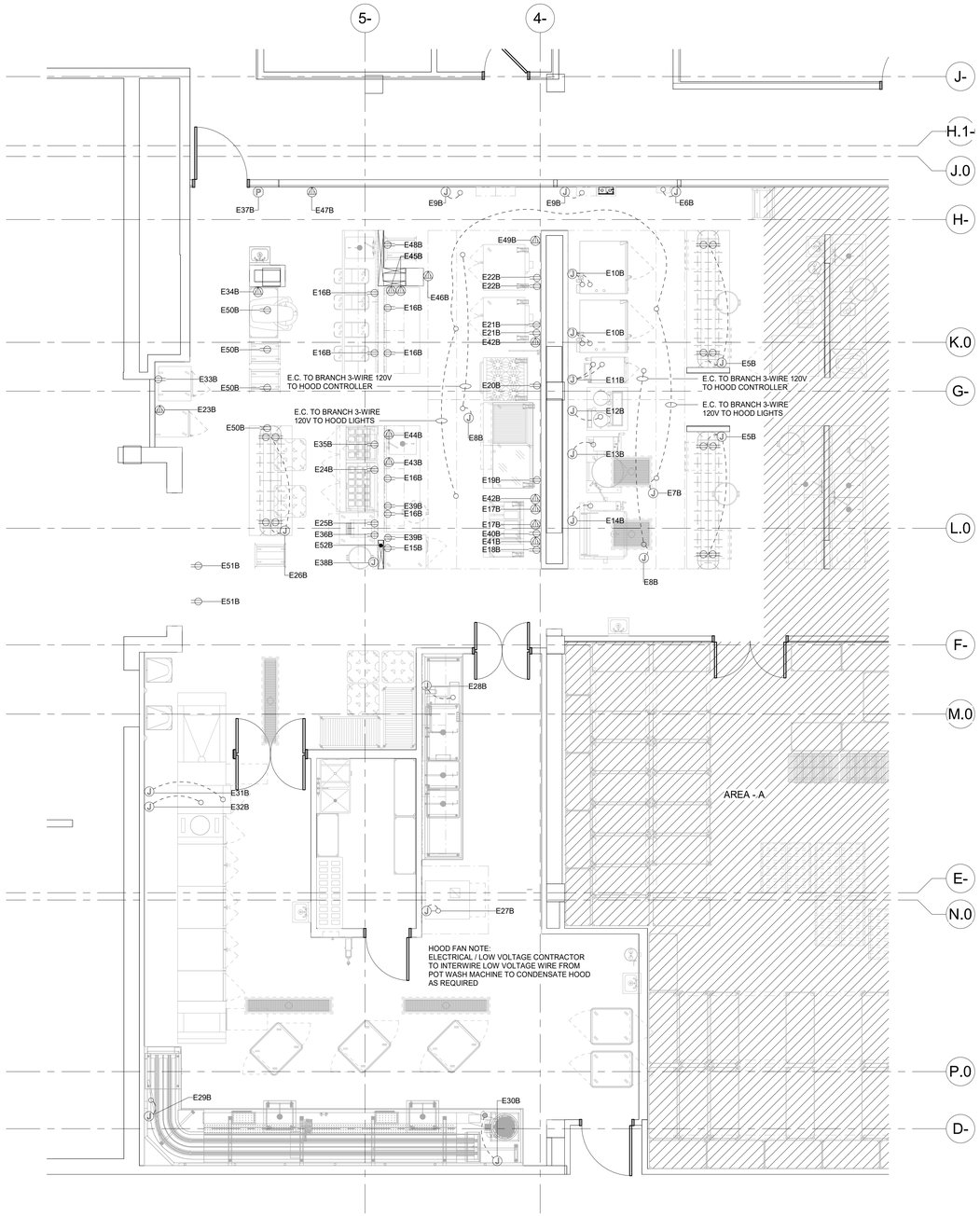
TITLE

PHASE 1 (AREA - B) STEP 2 PLUMBING PLAN AND SCHEDULE

SHEET NUMBER

FS01-B.2.2

4/22/2025 2:05:05 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-B-R25.rvt



1 PHASE 1 (AREA - B) FINAL ELECTRICAL PLAN
1/4" = 1'-0"

PHASE 1 (AREA - B) ELECTRICAL CONNECTIONS SCHEDULE

NUMBER	CONNECTION	SERVICE TO	ITEM NO.	HP	KW	AMPS	VOLT	PHASE	LOCATION	A.F.F.	REMARKS
E1B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E2B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E3B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E4B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E5B	JUNCT. BOX / DUPLEX	CONVIENENCE OUTLETS	B8	-	-	15.0	120	1	WALL	18"	E.C. TO BRANCH TO EQUIPMENT MOUNTED DUPLEXES
E6B	JUNCT. BOX	M.A.R.V.E.L. CONTROL PANEL	B10	-	-	15.0	120	1	WALL	76"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E7B	JUNCT. BOX	HOOD LIGHTS	B11 / B38	-	-	15.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E8B	JUNCT. BOX	HOOD CONTROLLER	B11 / B38	-	-	10.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E9B	JUNCT. BOX	FIRE SUPPRESSION SYSTEM	B12 / B41	-	-	10.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E10B	JUNCT. BOX	DOUBLE COMBI OVEN (2 CONNECTIONS)	B13	-	1.0	4.8 (PER OVEN)	208	3	WALL	18" / 48"	E.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY. 2)
E11B	JUNCT. BOX	DOUBLE STEAMER (2 CONNECTIONS)	B15	-	-	1.0 (PER OVEN)	120	1	WALL	18" / 48"	E.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY. 2)
E12B	JUNCT. BOX	DUAL TRUNNION KETTLE	B16	-	-	15.0	120	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E13B	JUNCT. BOX	40 GAL. TILTING KETTLE	B17	-	-	5.0	120	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E14B	JUNCT. BOX	40 GAL. TILTING BRAISING PAN	B21	-	-	5.0	120	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E15B	DUPLEX	FREEZER	B22	1/2	-	6.5	120	1	WALL	76"	-
E16B	DUPLEX	CONVENIENCE OUTLET	-	-	-	16.0	120	1	WALL	50"	-
E17B	SINGLE	DOUBLE FRYER	B24	-	-	51.3	208	3	WALL	18"	-
E18B	DUPLEX	HEAT LAMP	B24	-	-	6.3	120	1	WALL	18"	-
E19B	DUPLEX	REFRIGERATED EQUIPMENT STAND	B26	1/4	-	4.2	120	1	WALL	18"	-
E20B	DUPLEX	6-BURNER RANGE W/ CONVECTION OVEN	B32	-	-	3.4	120	1	WALL	18"	-
E21B	DUPLEX	DOUBLE CONVECTION OVEN (2 CONNECTIONS)	B35	-	-	7.2 (PER OVEN)	120	1	WALL	18" / 48"	-
E22B	DUPLEX	DOUBLE CONVECTION OVEN (2 CONNECTIONS)	B92	3/4	-	8.0 (PER OVEN)	120	1	WALL	18" / 48"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E23B	SINGLE	MOBILE HEATER PROOFER	B48	-	-	7.0	208	1	WALL	72"	-
E24B	DUPLEX	REFRIGERATED SANDWICH PREPARATION UNIT	B51	1/3	-	6.0	120	1	WALL	18"	-
E25B	DUPLEX	CONVEYOR TOASTER	B53	1/2	-	15.0	120	1	WALL	50"	-
E26B	JUNCT. BOX / DUPLEX	CONVIENENCE OUTLETS	B55	-	-	15.0	120	1	WALL	18"	E.C. TO BRANCH TO EQUIPMENT MOUNTED DUPLEXES
E27B	JUNCT. BOX	POT WASH MACHINE W/ BOOSTER HEATER	B60	-	-	47.6	208	3	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E28B	JUNCT. BOX	ULTRAWASH 3-COMPARTMENT SINK	B62	-	-	20.0	208	3	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E29B	JUNCT. BOX	SOILED DISH TABLE W/ TROUGH / CONVEYOR	B77	-	-	15.0	208	1	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E30B	JUNCT. BOX	TROUGH COLLECTOR	B78	-	-	15.0	208	1	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E31B	JUNCT. BOX	FLIGHT TYPE DISH MACHINE W/ BOOSTER HEATER	B83	-	-	139.0	208	3	WALL	80"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E32B	JUNCT. BOX	FLIGHT TYPE DISH MACHINE W/ BOOSTER HEATER	B83	-	-	95.6	208	3	WALL	80"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E33B	DUPLEX	MOBILE HEATED CABINET	B93	-	-	10.0	120	1	WALL	76"	E.C. TO VERIFY LOADS OF EXISTNG EQUIPMENT W/ OWNER
E34B	SINGLE	60 QT. MIXER	B94	2.0	-	10.9	208	1	WALL	18"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E35B	DUPLEX	MICROWAVE OVEN	B97	-	-	13.0	120	1	WALL	58"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E36B	DUPLEX	UNDER COUNTER REFRIGERATOR / FREEZER	B98	1/4	-	1.7	120	1	WALL	18"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E37B	-	EMPTY OCTAGON BOX FOR REMOTE PULL STATION	-	-	-	-	-	-	WALL	48"	PER LOCAL CODES

ELECTRICAL NOTES

PLEASE DISREGARD NOTES THAT DO NOT APPLY TO THIS PROJECT

ELECTRICAL SYSTEM IS DESIGNED FOR 120/208/3 VOLT, 3 PHASE, 60 HERTZ SYSTEM.

ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS, FLOORS, CEILING &/OR FROM CENTERLINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO FINISH" UNLESS OTHERWISE NOTED.

UTILITIES SHOWN ARE FOR ITEMS FOR FOODSERVICE EQUIPMENT ONLY & ARE THE MINIMUM REQUIRED TO OPERATE EQUIPMENT. LOCATIONS OF ANY ADDITIONAL ELECTRICAL UTILITIES (CONVIENENCE RECEPTACLES, TELEPHONE JACKS, INTERCOM JACKS, ETC.) WHICH MAY BE REQUIRED SHALL BE DETERMINED BY THE ARCHITECT/ENGINEER.

ELECTRICAL PLAN SHOWS OUTLETS & CONNECTIONS W/CAPACITIES FOR ACTUAL ROUGH-IN LOCATIONS, REFER TO DIMENSIONED DRAWINGS PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR.

FINAL ELECTRICAL CONNECTIONS INCLUDING WIRING FROM POINT-OF CONNECTION ON EQUIPMENT TO BUILDING ELECTRICAL SYSTEM & INTERCONNECTIONS BETWEEN EQUIPMENT COMPONENTS SHALL E PROVIDED BY ELECTRICAL CONTRACTOR.

ALL ELECTRICAL MATERIALS, INCLUDING WIRE, CONDUIT, OVERLOAD PROTECTION, MAIN SWITCHES, SAFETY CUT-OUTS, FUSE BOXES, SHUNT-TRIP BREAKERS, DISCONNECT SWITCHES, & CONTROLS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

UTILITIES SHALL BE CONCEALED IN WALLS & STUBBED-OUT OF WALLS. WIRING STUBBED OUT OF FLOOR & RUN EXPOSED ON THE FACE OF THE WALL SHALL NOT BE ACCEPTABLE.

ELECTRICAL COMPONENTS, INCLUDING MAIN SWITCHES, FUSE BOXES, TERMINAL PANELS, DISCONNECT SWITCHES CONDUIT & CONNECTIONS SHALL NOT INTERFERE IN ANY WAY W/THE OPERATION OF ITEMS OF FOODSERVICE EQUIPMENT.

AMPERAGES INDICATED PER TOTAL FOR EACH UNIT & NOT IN ADDITION TO ANY HP &/OR KW RATINGS SHOWN.

WHERE CALLED FOR, KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH CORDS & PLUGS FOR INSTALLATION BY ELECTRICAL CONTRACTOR. NEMA NUMBERS SHOWN INDICATE THE CONFIGURATION TO BE PROVIDED FOR THE EQUIPMENT. ANY DIRECT CONNECTIONS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

ALL LIGHT FIXTURES IN FOOD STORAGE, PREPARATION, SERVICE OR DISPLAY FACILITIES, AS WELL AS UTENSIL CLEANING & STORAGE AREAS SHALL HAVE SHIELDING OVER BULBS.

KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE WALK-IN FREEZER/COOLER ASSEMBLIES COMPLETE W/OUTLET BOXES, DOOR HEATERS & ALL SYSTEM COMPONENTS PRE-WIRED TO A SINGLE POINT OF CONNECTION. ELECTRICAL CONTRACTOR SHALL PROVIDE INTERCONNECTION CONDUIT & WIRING & MAKE FINAL CONNECTIONS.

ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL POWER TO & INTERCONNECTION BETWEEN EVAPORATOR COIL, TIME CLOCK, TEMPERATURE CONTROL DEVICE, & CONDENSING UNITS, FOR WALK-IN FREEZER/COOLER ASSEMBLIES FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

DRAIN LINE FROM FREEZER COIL SHALL BE WRAPPED W/HEAT CABLE, TAPED & INSULATED TO PREVENT FREEZING OF CONDENSATE IN THE LINE, BY ELECTRICAL CONTRACTOR.

WALK-IN FREEZER/COOLER VAPOR-PROOF LIGHT FIXTURES ARE SHIPPED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR FOR FIELD INSTALLATION & INTERWIRING AS REQUIRED BY ELECTRICAL CONTRACTOR.

ALL PENETRATIONS INTO WALK-IN FREEZER/COOLERS SHALL BE MADE BY THE KITCHEN EQUIPMENT CONTRACTOR.

ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS MADE INTO WALK-IN FREEZER/ COOLER ASSEMBLIES, REFRIGERATORS, EXHAUST VENTILATORS W/METHODS & MATERIALS AS APPROVED BY EQUIPMENT MANUFACTURER.

KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE EXHAUST VENTILATOR ASSEMBLIES COMPLETE W/CONTROL PANEL, WASH-DOWN PANEL, LIGHTS, & FIRE SUPPRESSION SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER TO & INTERCONNECTIONS BETWEEN VENTILATOR, CONTROL PANEL, WASH-DOWN PANEL LIGHTS, EXHAUST & SUPPLY FAN, MAGNETIC STARTERS, & ALL MISCELLANEOUS COMPONENTS. SEE PLAN & VENTILATOR SHOP DRAWINGS FOR ADDITIONAL INFORMATION.

FOR VENTILATOR FIRE SUPPRESSION SYSTEM W/ELECTRICALLY HEATED COOKING EQUIPMENT, KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE REMOTE MANUAL PULL STATION, & MICRO-SWITCH. ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL ELECTRICAL CONTACTOR &/OR SHUNT-TRIP BREAKERS & ALL INTERCONNECTION CONDUIT & WIRING FOR SHUT-OFF OF ALL ELECTRICALLY HEATED COOKING EQUIPMENT. CONTACTOR FOR SHUNT-TRIP RELAYS SHALL BE ACTIVATED IN CASE OF FIRE BY MICRO-SWITCH AS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

FIRE PROTECTION SYSTEM REMOTE CABLE PULL BOX SHALL BE RECESS MOUNTED OCTAGONAL J-BOX & CENTERED @ 48" A.F.F. W/1/2" EMT CONDUIT OUT OF TOP, CONCEALED IN WALL TO 6" ABOVE FINISHED CEILING, BY ELECTRICAL CONTRACTOR.

ELECTRICAL CONTRACTOR SHALL PROVIDE AN EMPTY CONDUIT BETWEEN WASTE PULPING UNIT & WASTE EXTRACTOR UNIT FOR LOW VOLTAGE CONTROL WIRING.

ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY CONDUIT W/J-BOXES FOR INSTALLATION OF OWNER SUPPLIED CASH REGISTER SYSTEM. VERIFY EXACT REQUIREMENTS W/EQUIPMENT SUPPLIER.

ELECTRICAL CONTRACTOR SHALL PROVIDE COMPUTER GRADE, ISOLATED GROUND ELECTRICAL SERVICE FOR ELECTRICAL CASH REGISTER EQUIPMENT. VERIFY EXACT REQUIREMENTS W/EQUIPMENT SUPPLIES.

ELECTRICAL RECEPTACLES SHALL BE INSTALLED W/THEIR LONG DIMENSIONS RUN HORIZONTALLY.

ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT RACEWAY SYSTEM. FOR REMOTE REFRIGERATION LINES AS INDICATED ON REFRIGERATION PLAN & DETAILS. CONDUIT SHALL HAVE 24" MINIMUM RADIUS BENDS.

ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT & POWER & CONTROL WIRING BETWEEN REMOTE LOW TEMPERATURE EVAPORATORS & REMOTE COMPRESSOR RACK. REFER TO DRAWINGS FOR DETAILS.

ELECTRICAL SYMBOLS

SINGLE RECEPTACLE, NEMA 5-20R	SR	
DUPLEX RECEPTACLE, NEMA 5-15R	DR	
SINGLE RECEPTACLE, 208V OR 480V	SR	
FLOOR RECEPTACLE	FR	
JUNCTION BOX	JB	J
DROP CORD OR CONDUIT	DC	D
CONDUIT STUB	C	
SWITCH	S	S
INCANDESCENT LIGHT		
L.E.D. LIGHT		
POINT OF CONNECTION ON EQUIPMENT		
COMMUNICATIONS OUTLET		
VAPOR-PROOF LIGHTS		
PULL BOX-FIRE SUPRESSION		P
GREASE SENSOR	GS	

PHASE 1 (AREA - B) TEMPORARY POD ELECTRICAL CONNECTIONS SCHEDULE

NUMBER	CONNECTION	SERVICE TO	ITEM NO.	HP	KW	AMPS	VOLT	PHASE	LOCATION	A.F.F.	REMARKS
E38B	JUNCT. BOX	SERVING COUNTER W/ DOUBLE OVERSHELF	TP1	-	-	-	120/208	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED / REFER TO E38B LOAD CENTER SCHEDULE
E39B	DUPLEX	REFRIGERATED SANDWICH PREPARATION UNIT	TP2	1/4	-	4.8	120	1	WALL	18"	-
E40B	DUPLEX	WORK TOP FREEZER	TP3	1/4	-	4.8	120	1	WALL	18"	-
E41B	SINGLE	FLASH BAKE OVEN	TP4	-	8.3	40.0	208	1	WALL	50"	-
E42B	SINGLE	PASTA COOKER	TP5	-	7.8	19.5	208	3	WALL	18"	-
E43B	SINGLE	3-WELL MOBILE HEATED CABINET	TP11	-	4.641	19.3	208	1	WALL	18"	-
E44B	SINGLE	4-WELL MOBILE HEATED CABINET	TP13	-	6.188	25.8	208	1	WALL	18"	-
E45B	SINGLE	BASE ACTIVATOR	TP15	-	-	23.5	208	3	WALL	40"	-
E46B	SINGLE	MOBILE HEATED PLATE DISPENSER	TP16	-	.950	4.6	208	1	WALL	38"	-
E47B	SINGLE	MOBILE HEATED PLATE DISPENSER	TP16	-	.950	4.6	208	1	WALL	18"	-
E48B	DUPLEX	MOBILE HEATED CABINET	TP17	-	-	10.0	120	1	WALL	72"	-
E49B	SINGLE	MOBILE HEATER PROOFER	TP18	-	-	7.0	208	1	WALL	72"	-
E50B	DC / DUPLEX	AIR CURTAIN REFRIGERATOR	TP22	-	1.020	8.5	120	1	FA	CLG	E.C. TO PROVIDE DROP CORD AS REQUIRED
E51B	DC / DUPLEX	FREEZER	TP26	1/2	-	7.1	120	1	FA	CLG	E.C. TO PROVIDE DROP CORD AS REQUIRED
E52B	-	EMPTY CONDUIT FOR EDP/POS SYSTEMS & PRINTERS	-	-	-	-	-	-	FLOOR	STUB	E.C. TO BRANCH TO E53B COMMUNICATION DATA PORT VERIFY REQUIREMENTS W/OWNER/OPERATOR EDP/POS PLANS
E53B	COMMUNICATION DATA PORT	PRINTERS / SCANNER	-	-	-	-	-	-	-	-	-

PHASE 1 (AREA - B) WILL BE COMPLETED IN (2) STEPS.

(STEP 1) ALL ELECTRICAL FIXTURES WILL BE INSTALLED BUT ONLY SPECIFIC EQUIPMENT (INCLUDING) TEMPORARY POD EQUIPMENT WILL BE CONNECTED. REFER TO SHEET FS01-B.3.1

(STEP 2) TEMPORARY POD EQUIPMENT WILL BE REMOVED. EQUIPMENT REQUIRED TO COMPLETE FINAL DESIGN WILL BE INSTALLED. ELECTRICAL CONNECTIONS TO THAT EQUIPMENT WILL THEN BE MADE, REFER TO SHEET FS01-B.3.2

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PHASE 1 PERMIT SET 04/24/2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

PHASE 1 (AREA - B) FINAL ELECTRICAL PLAN AND SCHEDULE

SHEET NUMBER

FS01-B.3

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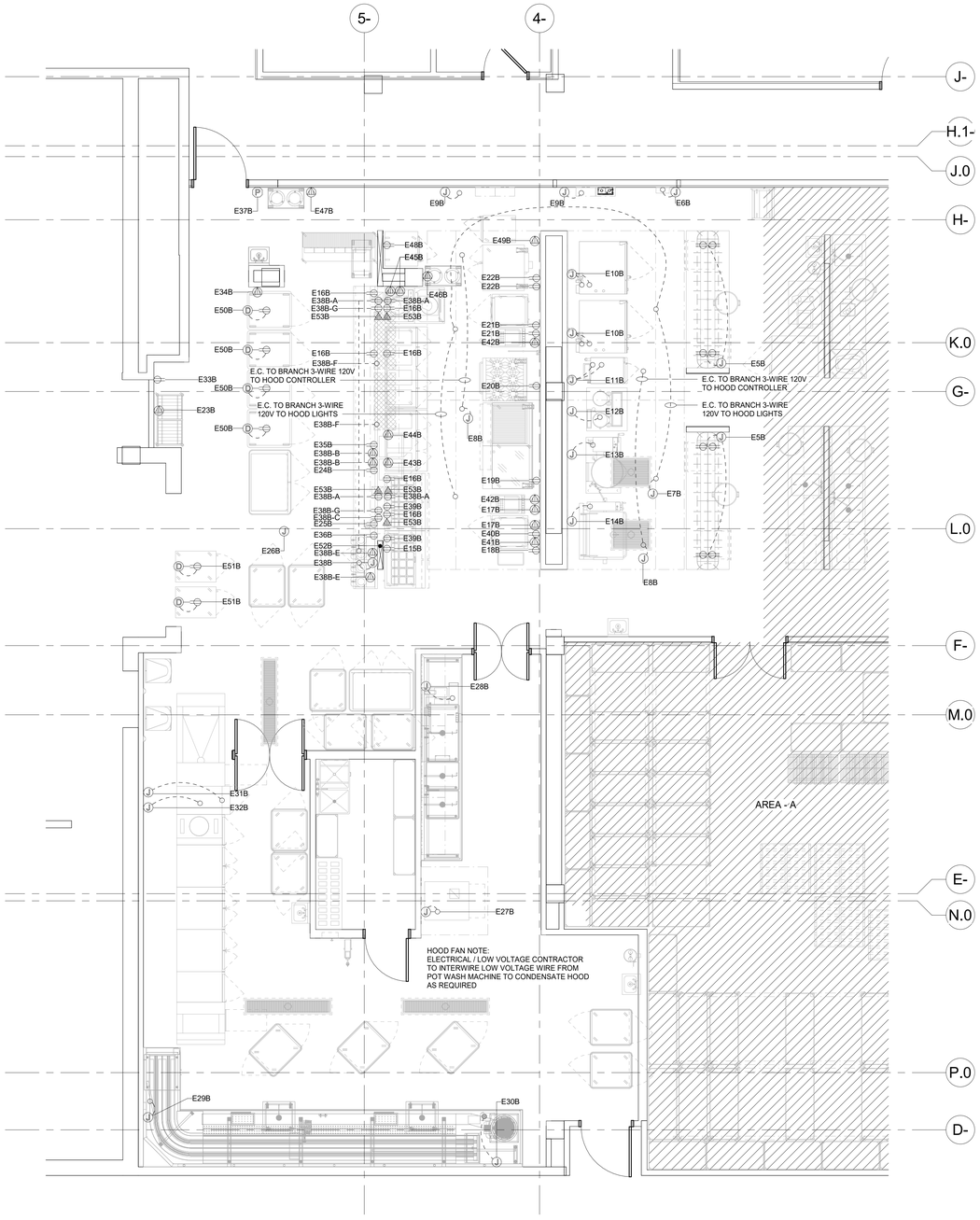

1 PHASE 1 (AREA - B) STEP 1 ELECTRICAL PLAN
1/4" = 1'-0"

PHASE 1 (AREA - B) TEMPORARY POD ELECTRICAL CONNECTIONS SCHEDULE

NUMBER	CONNECTION	SERVICE TO	ITEM NO.	HP	KW	AMPS	VOLT	PHASE	LOCATION	A.F.F.	REMARKS
E38B	JUNCT. BOX	SERVING COUNTER W/ DOUBLE OVERSHELF	TP1	-	-	-	120/208	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED / REFER TO E38B LOAD CENTER SCHEDULE
E39B	DUPLEX	REFRIGERATED SANDWICH PREPARATION UNIT	TP2	1/4	-	4.8	120	1	WALL	18"	-
E40B	DUPLEX	WORK TOP FREEZER	TP3	1/4	-	4.8	120	1	WALL	18"	-
E41B	SINGLE	FLASH BAKE OVEN	TP4	-	8.3	40.0	208	1	WALL	50"	-
E42B	SINGLE	PASTA COOKER	TP5	-	7.8	19.5	208	3	WALL	18"	-
E43B	SINGLE	3-WELL MOBILE HEATED CABINET	TP11	-	4.641	19.3	208	1	WALL	18"	-
E44B	SINGLE	4-WELL MOBILE HEATED CABINET	TP13	-	6.188	25.8	208	1	WALL	18"	-
E45B	SINGLE	BASE ACTIVATOR	TP15	-	-	23.5	208	3	WALL	40"	-
E46B	SINGLE	MOBILE HEATED PLATE DISPENSER	TP16	-	.950	4.6	208	1	WALL	38"	-
E47B	SINGLE	MOBILE HEATED PLATE DISPENSER	TP16	-	.950	4.6	208	1	WALL	18"	-
E48B	DUPLEX	MOBILE HEATED CABINET	TP17	-	-	10.0	120	1	WALL	72"	-
E49B	SINGLE	MOBILE HEATER PROOFER	TP18	-	-	7.0	208	1	WALL	72"	-
E50B	DC / DUPLEX	AIR CURTAIN REFRIGERATOR	TP22	-	1.020	8.5	120	1	FA	CLG	E.C. TO PROVIDE DROP CORD AS REQUIRED
E51B	DC / DUPLEX	FREEZER	TP26	1/2	-	7.1	120	1	FA	CLG	E.C. TO PROVIDE DROP CORD AS REQUIRED
E52B	-	EMPTY CONDUIT FOR EDP/POS SYSTEMS & PRINTERS	-	-	-	-	-	-	FLOOR	STUB	E.C. TO BRANCH TO E53B COMMUNICATION DATA PORT VERIFY REQUIREMENTS W/OWNER/OPERATOR EDP/POS PLANS
E53B	COMMUNICATION DATA PORT	PRINTERS / SCANNER	-	-	-	-	-	-	-	-	-

PHASE 1 E38B LOAD CENTER ELECTRICAL CONNECTIONS SCHEDULE

NUMBER	CONNECTION	QTY.	SERVICE TO	ITEM NO.	HP	KW	AMPS	VOLT	PHASE	REMARKS
E38B-A	DUPLEX	4	PRINTER	TP6	-	-	15.0	120	1	DEDICATED CURCUIT
E38B-B	SINGLE	2	MICROWAVE OVEN	TP7	-	3.2	14.0	208	1	-
E38B-C	DUPLEX	1	SCANNER	TP9	-	-	10.0	120	1	DEDICATED CURCUIT
E38B-E	SINGLE	2	COFFEE BREWER	TP20	-	-	30.0	208	1	-
E38B-F	JUNCT. BOX	2	HEAT LAMP	TP12	-	1.840	9.7	120/208	1	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E38B-G	DUPLEX	2	CONVENIENCE OUTLET	-	-	-	16.0	120	1	-

PHASE 1 (AREA - B) ELECTRICAL CONNECTIONS SCHEDULE

NUMBER	CONNECTION	SERVICE TO	ITEM NO.	HP	KW	AMPS	VOLT	PHASE	LOCATION	A.F.F.	REMARKS
E1B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E2B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E3B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E4B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E5B	JUNCT. BOX / DUPLEX	CONVIENENCE OUTLETS	B8	-	-	15.0	120	1	WALL	18"	E.C. TO BRANCH TO EQUIPMENT MOUNTED DUPLEXES
E6B	JUNCT. BOX	M.A.R.V.E.L. CONTROL PANEL	B10	-	-	15.0	120	1	WALL	76"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E7B	JUNCT. BOX	HOOD LIGHTS	B11 / B38	-	-	15.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E8B	JUNCT. BOX	HOOD CONTROLLER	B11 / B38	-	-	10.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E9B	JUNCT. BOX	FIRE SUPPRESSION SYSTEM	B12 / B41	-	-	10.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E10B	JUNCT. BOX	DOUBLE COMBI OVEN (2 CONNECTIONS)	B13	-	1.0	4.8 (PER OVEN)	208	3	WALL	18" / 48"	E.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY. 2)
E11B	JUNCT. BOX	DOUBLE STEAMER (2 CONNECTIONS)	B15	-	-	1.0 (PER OVEN)	120	1	WALL	18" / 48"	E.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY. 2)
E12B	JUNCT. BOX	DUAL TRUNNION KETTLE	B16	-	-	15.0	120	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E13B	JUNCT. BOX	40 GAL. TILTING KETTLE	B17	-	-	5.0	120	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E14B	JUNCT. BOX	40 GAL. TILTING BRAISING PAN	B21	-	-	5.0	120	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E15B	DUPLEX	FREEZER	B22	1/2	-	6.5	120	1	WALL	76"	-
E16B	DUPLEX	CONVENIENCE OUTLET	-	-	-	16.0	120	1	WALL	50"	-
E17B	SINGLE	DOUBLE FRYER	B24	-	-	51.3	208	3	WALL	18"	-
E18B	DUPLEX	HEAT LAMP	B24	-	-	6.3	120	1	WALL	18"	-
E19B	DUPLEX	REFRIGERATED EQUIPMENT STAND	B26	1/4	-	4.2	120	1	WALL	18"	-
E20B	DUPLEX	6-BURNER RANGE W/ CONVECTION OVEN	B32	-	-	3.4	120	1	WALL	18"	-
E21B	DUPLEX	DOUBLE CONVECTION OVEN (2 CONNECTIONS)	B35	-	-	7.2 (PER OVEN)	120	1	WALL	18" / 48"	-
E22B	DUPLEX	DOUBLE CONVECTION OVEN (2 CONNECTIONS)	B92	3/4	-	8.0 (PER OVEN)	120	1	WALL	18" / 48"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E23B	SINGLE	MOBILE HEATER PROOFER	B48	-	-	7.0	208	1	WALL	72"	-
E24B	DUPLEX	REFRIGERATED SANDWICH PREPARATION UNIT	B51	1/3	-	6.0	120	1	WALL	18"	-
E25B	DUPLEX	CONVEYOR TOASTER	B53	1/2	-	15.0	120	1	WALL	50"	-
E26B	JUNCT. BOX / DUPLEX	CONVIENENCE OUTLETS	B55	-	-	15.0	120	1	WALL	18"	E.C. TO BRANCH TO EQUIPMENT MOUNTED DUPLEXES
E27B	JUNCT. BOX	POT WASH MACHINE W/ BOOSTER HEATER	B60	-	-	47.6	208	3	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E28B	JUNCT. BOX	ULTRAWASH 3-COMPARTMENT SINK	B62	-	-	20.0	208	3	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E29B	JUNCT. BOX	SOILED DISH TABLE W/ TROUGH / CONVEYOR	B77	-	-	15.0	208	1	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E30B	JUNCT. BOX	TROUGH COLLECTOR	B78	-	-	15.0	208	1	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E31B	JUNCT. BOX	FLIGHT TYPE DISH MACHINE W/ BOOSTER HEATER	B83	-	-	139.0	208	3	WALL	80"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E32B	JUNCT. BOX	FLIGHT TYPE DISH MACHINE W/ BOOSTER HEATER	B83	-	-	95.6	208	3	WALL	80"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E33B	DUPLEX	MOBILE HEATED CABINET	B93	-	-	10.0	120	1	WALL	76"	E.C. TO VERIFY LOADS OF EXISTNG EQUIPMENT W/ OWNER
E34B	SINGLE	60 QT. MIXER	B94	2.0	-	10.9	208	1	WALL	18"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E35B	DUPLEX	MICROWAVE OVEN	B97	-	-	13.0	120	1	WALL	58"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E36B	DUPLEX	UNDER COUNTER REFRIGERATOR / FREEZER	B98	1/4	-	1.7	120	1	WALL	18"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E37B	-	EMPTY OCTAGON BOX FOR REMOTE PULL STATION	-	-	-	-	-	-	WALL	48"	PER LOCAL CODES

ELECTRICAL NOTES

PLEASE DISREGARD NOTES THAT DO NOT APPLY TO THIS PROJECT

ELECTRICAL SYSTEM IS DESIGNED FOR 120/208/3 VOLT, 3 PHASE, 60 HERTZ SYSTEM.

ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS, FLOORS, CEILING &/OR FROM CENTERLINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO FINISH" UNLESS OTHERWISE NOTED.

UTILITIES SHOWN ARE FOR ITEMS FOR FOODSERVICE EQUIPMENT ONLY & ARE THE MINIMUM REQUIRED TO OPERATE EQUIPMENT. LOCATIONS OF ANY ADDITIONAL ELECTRICAL UTILITIES (CONVENIENCE RECEPTACLES, TELEPHONE JACKS, INTERCOM JACKS, ETC.) WHICH MAY BE REQUIRED SHALL BE DETERMINED BY THE ARCHITECT/ENGINEER.

ELECTRICAL PLAN SHOWS OUTLETS & CONNECTIONS W/CAPACITIES FOR ACTUAL ROUGH-IN LOCATIONS. REFER TO DIMENSIONED DRAWINGS PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR.

FINAL ELECTRICAL CONNECTIONS INCLUDING WIRING FROM POINT-OF CONNECTION ON EQUIPMENT TO BUILDING ELECTRICAL SYSTEM & INTERCONNECTIONS BETWEEN EQUIPMENT COMPONENTS SHALL E PROVIDED BY ELECTRICAL CONTRACTOR.

ALL ELECTRICAL MATERIALS, INCLUDING WIRE, CONDUIT, OVERLOAD PROTECTION, MAIN SWITCHES, SAFETY CUT-OUTS, FUSE BOXES, SHUNT-TRIP BREAKERS, DISCONNECT SWITCHES, & CONTROLS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

UTILITIES SHALL BE CONCEALED IN WALLS & STUBBED-OUT OF WALLS. WIRING STUBBED OUT OF FLOOR & RUN EXPOSED ON THE FACE OF THE WALL SHALL NOT BE ACCEPTABLE.

ELECTRICAL COMPONENTS, INCLUDING MAIN SWITCHES, FUSE BOXES, TERMINAL PANELS, DISCONNECT SWITCHES CONDUIT & CONNECTIONS SHALL NOT INTERFERE IN ANY WAY W/THE OPERATION OF ITEMS OF FOODSERVICE EQUIPMENT.

AMPERAGES INDICATED PER TOTAL FOR EACH UNIT & NOT IN ADDITION TO ANY HP &/OR KW RATINGS SHOWN.

WHERE CALLED FOR, KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH CORDS & PLUGS FOR INSTALLATION BY ELECTRICAL CONTRACTOR. NEMA NUMBERS SHOWN INDICATE THE CONFIGURATION TO BE PROVIDED FOR THE EQUIPMENT. ANY DIRECT CONNECTIONS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

ALL LIGHT FIXTURES IN FOOD STORAGE, PREPARATION, SERVICE OR DISPLAY FACILITIES, AS WELL AS UTENSIL CLEANING & STORAGE AREAS SHALL HAVE SHIELDING OVER BULBS.

KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE WALK-IN FREEZER/COOLER ASSEMBLIES COMPLETE W/OUTLET BOXES, DOOR HEATERS & ALL SYSTEM COMPONENTS PRE-WIRED TO A SINGLE POINT OF CONNECTION. ELECTRICAL CONTRACTOR SHALL PROVIDE INTERCONNECTION CONDUIT & WIRING & MAKE FINAL CONNECTIONS.

ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL POWER TO & INTERCONNECTION BETWEEN EVAPORATOR COIL, TIME CLOCK, TEMPERATURE CONTROL DEVICE, & CONDENSING UNITS, FOR WALK-IN FREEZER/COOLER ASSEMBLIES FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

DRAIN LINE FROM FREEZER COIL SHALL BE WRAPPED W/HEAT CABLE, TAPED & INSULATED TO PREVENT FREEZING OF CONDENSATE IN THE LINE, BY ELECTRICAL CONTRACTOR.

WALK-IN FREEZER/COOLER VAPOR-PROOF LIGHT FIXTURES ARE SHIPPED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR FOR FIELD INSTALLATION & INTERWIRING AS REQUIRED BY ELECTRICAL CONTRACTOR.

ALL PENETRATIONS INTO WALK-IN FREEZER/COOLERS SHALL BE MADE BY THE KITCHEN EQUIPMENT CONTRACTOR.

ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS MADE INTO WALK-IN FREEZER/ COOLER ASSEMBLIES, REFRIGERATORS, EXHAUST VENTILATORS W/METHODS & MATERIALS AS APPROVED BY EQUIPMENT MANUFACTURER.

KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE EXHAUST VENTILATOR ASSEMBLIES COMPLETE W/CONTROL PANEL, WASH-DOWN PANEL, LIGHTS, & FIRE SUPPRESSION SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER TO & INTERCONNECTIONS BETWEEN VENTILATOR, CONTROL PANEL, WASH-DOWN PANEL LIGHTS, EXHAUST & SUPPLY FAN, MAGNETIC STARTERS, & ALL MISCELLANEOUS COMPONENTS. SEE PLAN & VENTILATOR SHOP DRAWINGS FOR ADDITIONAL INFORMATION.

FOR VENTILATOR FIRE SUPPRESSION SYSTEM W/ELECTRICALLY HEATED COOKING EQUIPMENT, KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE REMOTE MANUAL PULL STATION, & MICRO-SWITCH. ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL ELECTRICAL CONTACTOR &/OR SHUNT-TRIP BREAKERS & ALL INTERCONNECTION CONDUIT & WIRING FOR SHUT-OFF OF ALL ELECTRICALLY HEATED COOKING EQUIPMENT. CONTACTOR FOR SHUNT-TRIP RELAYS SHALL BE ACTIVATED IN CASE OF FIRE BY MICRO-SWITCH AS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

FIRE PROTECTION SYSTEM REMOTE CABLE PULL BOX SHALL BE RECESS MOUNTED OCTAGONAL J-BOX & CENTERED @ 48" A.F.F. W/1/2" EMT CONDUIT OUT OF TOP, CONCEALED IN WALL TO 6" ABOVE FINISHED CEILING, BY ELECTRICAL CONTRACTOR.

ELECTRICAL CONTRACTOR SHALL PROVIDE AN EMPTY CONDUIT BETWEEN WASTE PULPING UNIT & WASTE EXTRACTOR UNIT FOR LOW VOLTAGE CONTROL WIRING.

ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY CONDUIT W/J-BOXES FOR INSTALLATION OF OWNER SUPPLIED CASH REGISTER SYSTEM. VERIFY EXACT REQUIREMENTS W/EQUIPMENT SUPPLIER.

ELECTRICAL CONTRACTOR SHALL PROVIDE COMPUTER GRADE, ISOLATED GROUND ELECTRICAL SERVICE FOR ELECTRICAL CASH REGISTER EQUIPMENT. VERIFY EXACT REQUIREMENTS W/EQUIPMENT SUPPLIES.

ELECTRICAL RECEPTACLES SHALL BE INSTALLED W/THEIR LONG DIMENSIONS RUN HORIZONTALLY.

ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT RACEWAY SYSTEM, FOR REMOTE REFRIGERATION LINES AS INDICATED ON REFRIGERATION PLAN & DETAILS. CONDUIT SHALL HAVE 24" MINIMUM RADIUS BENDS.

ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT & POWER & CONTROL WIRING BETWEEN REMOTE LOW TEMPERATURE EVAPORATORS & REMOTE COMPRESSOR RACK. REFER TO DRAWINGS FOR DETAILS.

ELECTRICAL SYMBOLS

SINGLE RECEPTACLE, NEMA 5-20R	SR	
DUPLEX RECEPTACLE, NEMA 5-15R	DR	
SINGLE RECEPTACLE, 208V OR 480V	SR	
FLOOR RECEPTACLE	FR	
JUNCTION BOX	JB	J
DROP CORD OR CONDUIT	DC	D
CONDUIT STUB	C	•
SWITCH	S	S
INCANDESCENT LIGHT		
L.E.D. LIGHT		
POINT OF CONNECTION ON EQUIPMENT		
COMMUNICATIONS OUTLET		
VAPOR-PROOF LIGHTS		
PULL BOX-FIRE SUPRESSION		P
GREASE SENSOR	GS	

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PHASE 1 PERMIT SET 04/24/2025

MultiCare Good Samaritan Hospital Kitchen
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Puyallup,
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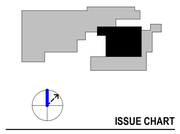
MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

PHASE 1 (AREA - B) STEP 1 ELECTRICAL PLAN AND SCHEDULE

SHEET NUMBER

FS01-B.3.1

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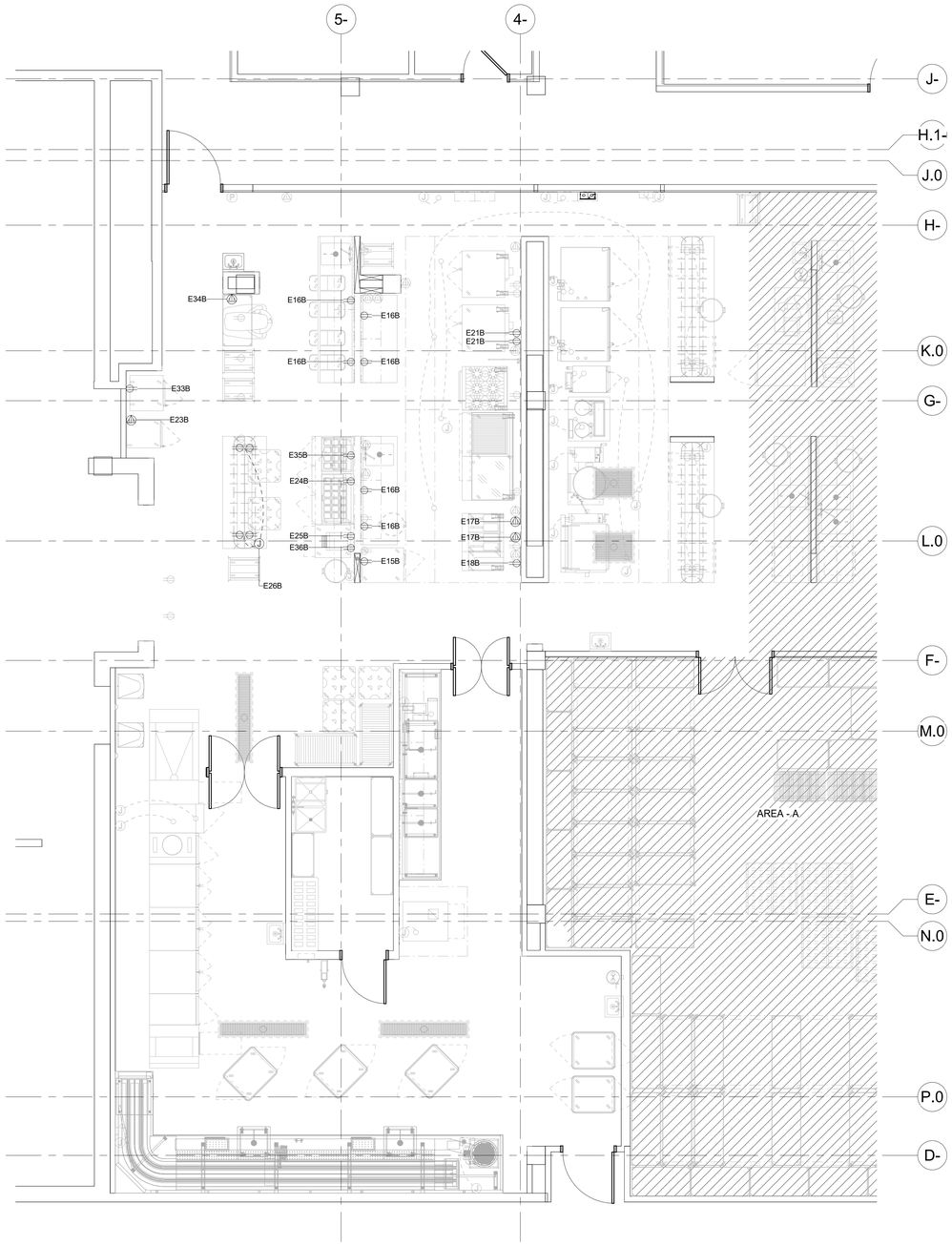

1 PHASE 1 (AREA - B) STEP 2 ELECTRICAL PLAN
1/4" = 1'-0"

NOTE:
IN THIS STEP THE TEMPORARY POD / TRAY ASSEMBLY EQUIPMENT HAS BEEN REMOVED.
THE EQUIPMENT REQUIRED TO COMPLETE THE FINAL DESIGN HAS BEEN INSTALLED.
FINAL ELECTRICAL CONNECTION ARE NOW MADE

PHASE 1 (AREA - B) ELECTRICAL CONNECTIONS SCHEDULE

NUMBER	CONNECTION	SERVICE TO	ITEM NO.	HP	KW	AMPS	VOLT	PHASE	LOCATION	A.F.F.	REMARKS
E1B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E2B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E3B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E4B	-	SPARE NUMBER	-	-	-	-	-	-	-	-	-
E5B	JUNCT. BOX / DUPLEX	CONVIENENCE OUTLETS	B8	-	-	15.0	120	1	WALL	18"	E.C. TO BRANCH TO EQUIPMENT MOUNTED DUPLEXES
E6B	JUNCT. BOX	M.A.R.V.E.L. CONTROL PANEL	B10	-	-	15.0	120	1	WALL	76"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E7B	JUNCT. BOX	HOOD LIGHTS	B11 / B38	-	-	15.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E8B	JUNCT. BOX	HOOD CONTROLLER	B11 / B38	-	-	10.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E9B	JUNCT. BOX	FIRE SUPPRESSION SYSTEM	B12 / B41	-	-	10.0	120	1	FA	CLG	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E10B	JUNCT. BOX	DOUBLE COMBI OVEN (2 CONNECTIONS)	B13	-	1.0	4.8 (PER OVEN)	208	3	WALL	18" / 48"	E.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY. 2)
E11B	JUNCT. BOX	DOUBLE STEAMER (2 CONNECTIONS)	B15	-	-	1.0 (PER OVEN)	120	1	WALL	18" / 48"	E.C. TO BRANCH TO CONNECTION AS REQUIRED (QTY. 2)
E12B	JUNCT. BOX	DUAL TRUNNION KETTLE	B16	-	-	15.0	120	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E13B	JUNCT. BOX	40 GAL. TILTING KETTLE	B17	-	-	5.0	120	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E14B	JUNCT. BOX	40 GAL. TILTING BRAISING PAN	B21	-	-	5.0	120	1	WALL	18"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E15B	DUPLEX	FREEZER	B22	1/2	-	6.5	120	1	WALL	76"	-
E16B	DUPLEX	CONVENIENCE OUTLET	-	-	-	16.0	120	1	WALL	50"	-
E17B	SINGLE	DOUBLE FRYER	B24	-	-	51.3	208	3	WALL	18"	-
E18B	DUPLEX	HEAT LAMP	B24	-	-	6.3	120	1	WALL	18"	-
E19B	DUPLEX	REFRIGERATED EQUIPMENT STAND	B26	1/4	-	4.2	120	1	WALL	18"	-
E20B	DUPLEX	6-BURNER RANGE W/ CONVECTION OVEN	B32	-	-	3.4	120	1	WALL	18"	-
E21B	DUPLEX	DOUBLE CONVECTION OVEN (2 CONNECTIONS)	B35	-	-	7.2 (PER OVEN)	120	1	WALL	18" / 48"	
E22B	DUPLEX	DOUBLE CONVECTION OVEN (2 CONNECTIONS)	B92	3/4	-	8.0 (PER OVEN)	120	1	WALL	18" / 48"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E23B	SINGLE	MOBILE HEATER PROOFER	B48	-	-	7.0	208	1	WALL	72"	-
E24B	DUPLEX	REFRIGERATED SANDWICH PREPARATION UNIT	B51	1/3	-	6.0	120	1	WALL	18"	-
E25B	DUPLEX	CONVEYOR TOASTER	B53	1/2	-	15.0	120	1	WALL	50"	-
E26B	JUNCT. BOX / DUPLEX	CONVIENENCE OUTLETS	B55	-	-	15.0	120	1	WALL	18"	E.C. TO BRANCH TO EQUIPMENT MOUNTED DUPLEXES
E27B	JUNCT. BOX	POT WASH MACHINE W/ BOOSTER HEATER	B60	-	-	47.6	208	3	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E28B	JUNCT. BOX	ULTRAWASH 3-COMPARTMENT SINK	B62	-	-	20.0	208	3	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E29B	JUNCT. BOX	SOILED DISH TABLE W/ TROUGH / CONVEYOR	B77	-	-	15.0	208	1	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E30B	JUNCT. BOX	TROUGH COLLECTOR	B78	-	-	15.0	208	1	WALL	12"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E31B	JUNCT. BOX	FLIGHT TYPE DISH MACHINE W/ BOOSTER HEATER	B83	-	-	139.0	208	3	WALL	80"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E32B	JUNCT. BOX	FLIGHT TYPE DISH MACHINE W/ BOOSTER HEATER	B83	-	-	95.6	208	3	WALL	80"	E.C. TO BRANCH TO CONNECTION AS REQUIRED
E33B	DUPLEX	MOBILE HEATED CABINET	B93	-	-	10.0	120	1	WALL	76"	E.C. TO VERIFY LOADS OF EXISTNG EQUIPMENT W/ OWNER
E34B	SINGLE	60 QT. MIXER	B94	2.0	-	10.9	208	1	WALL	18"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E35B	DUPLEX	MICROWAVE OVEN	B97	-	-	13.0	120	1	WALL	58"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E36B	DUPLEX	UNDER COUNTER REFRIGERATOR / FREEZER	B98	1/4	-	1.7	120	1	WALL	18"	E.C. TO VERIFY LOADS OF EXISTING EQUIPMENT W/ OWNER
E37B	-	EMPTY OCTAGON BOX FOR REMOTE PULL STATION	-	-	-	-	-	-	WALL	48"	PER LOCAL CODES

ELECTRICAL NOTES

PLEASE DISREGARD NOTES THAT DO NOT APPLY TO THIS PROJECT

ELECTRICAL SYSTEM IS DESIGNED FOR 120/208/3 VOLT, 3 PHASE, 60 HERTZ SYSTEM.

ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS, FLOORS, CEILING &OR FROM CENTERLINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO FINISH" UNLESS OTHERWISE NOTED.

UTILITIES SHOWN ARE FOR ITEMS FOR FOODSERVICE EQUIPMENT ONLY & ARE THE MINIMUM REQUIRED TO OPERATE EQUIPMENT. LOCATIONS OF ANY ADDITIONAL ELECTRICAL UTILITIES (CONVENIENCE RECEPTACLES, TELEPHONE JACKS, INTERCOM JACKS, ETC.) WHICH MAY BE REQUIRED SHALL BE DETERMINED BY THE ARCHITECT/ENGINEER.

ELECTRICAL PLAN SHOWS OUTLETS & CONNECTIONS W/CAPACITIES FOR ACTUAL ROUGH-IN LOCATIONS. REFER TO DIMENSIONED DRAWINGS PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR.

FINAL ELECTRICAL CONNECTIONS INCLUDING WIRING FROM POINT-OF CONNECTION ON EQUIPMENT TO BUILDING ELECTRICAL SYSTEM & INTERCONNECTIONS BETWEEN EQUIPMENT COMPONENTS SHALL E PROVIDED BY ELECTRICAL CONTRACTOR.

ALL ELECTRICAL MATERIALS, INCLUDING WIRE, CONDUIT, OVERLOAD PROTECTION, MAIN SWITCHES, SAFETY CUT-OUTS, FUSE BOXES, SHUNT-TRIP BREAKERS, DISCONNECT SWITCHES, & CONTROLS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

UTILITIES SHALL BE CONCEALED IN WALLS & STUBBED-OUT OF WALLS. WIRING STUBBED OUT OF FLOOR & RUN EXPOSED ON THE FACE OF THE WALL SHALL NOT BE ACCEPTABLE.

ELECTRICAL COMPONENTS, INCLUDING MAIN SWITCHES, FUSE BOXES, TERMINAL PANELS, DISCONNECT SWITCHES CONDUIT & CONNECTIONS SHALL NOT INTERFERE IN ANY WAY W/THE OPERATION OF ITEMS OF FOODSERVICE EQUIPMENT.

AMPERAGES INDICATED PER TOTAL FOR EACH UNIT & NOT IN ADDITION TO ANY HP &/OR KW RATINGS SHOWN.

WHERE CALLED FOR, KITCHEN EQUIPMENT CONTRACTOR SHALL FURNISH CORDS & PLUGS FOR INSTALLATION BY ELECTRICAL CONTRACTOR. NEMA NUMBERS SHOWN INDICATE THE CONFIGURATION TO BE PROVIDED FOR THE EQUIPMENT. ANY DIRECT CONNECTIONS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

ALL LIGHT FIXTURES IN FOOD STORAGE, PREPARATION, SERVICE OR DISPLAY FACILITIES, AS WELL AS UTENSIL CLEANING & STORAGE AREAS SHALL HAVE SHIELDING OVER BULBS.

KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE WALK-IN FREEZER/COOLER ASSEMBLIES COMPLETE W/OUTLET BOXES, DOOR HEATERS & ALL SYSTEM COMPONENTS PRE-WIRED TO A SINGLE POINT OF CONNECTION, ELECTRICAL CONTRACTOR SHALL PROVIDE INTERCONNECTION CONDUIT & WIRING & MAKE FINAL CONNECTIONS.

ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL POWER TO & INTERCONNECTION BETWEEN EVAPORATOR COIL, TIME CLOCK, TEMPERATURE CONTROL DEVICE, & CONDENSING UNITS, FOR WALK-IN FREEZER/COOLER ASSEMBLIES FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

DRAIN LINE FROM FREEZER COIL SHALL BE WRAPPED W/HEAT CABLE, TAPED & INSULATED TO PREVENT FREEZING OF CONDENSATE IN THE LINE, BY ELECTRICAL CONTRACTOR.

WALK-IN FREEZER/COOLER VAPOR-PROOF LIGHT FIXTURES ARE SHIPPED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR FOR FIELD INSTALLATION & INTERWIRING AS REQUIRED BY ELECTRICAL CONTRACTOR.

ALL PENETRATIONS INTO WALK-IN FREEZER/COOLERS SHALL BE MADE BY THE KITCHEN EQUIPMENT CONTRACTOR.

ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS MADE INTO WALK-IN FREEZER/ COOLER ASSEMBLIES, REFRIGERATORS, EXHAUST VENTILATORS W/METHODS & MATERIALS AS APPROVED BY EQUIPMENT MANUFACTURER.

KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE EXHAUST VENTILATOR ASSEMBLIES COMPLETE W/CONTROL PANEL, WASH-DOWN PANEL, LIGHTS, & FIRE SUPPRESSION SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER TO & INTERCONNECTIONS BETWEEN VENTILATOR, CONTROL PANEL, WASH-DOWN PANEL LIGHTS, EXHAUST & SUPPLY FAN, MAGNETIC STARTERS, & ALL MISCELLANEOUS COMPONENTS. SEE PLAN & VENTILATOR SHOP DRAWINGS FOR ADDITIONAL INFORMATION.

FOR VENTILATOR FIRE SUPPRESSION SYSTEM W/ELECTRICALLY HEATED COOKING EQUIPMENT, KITCHEN EQUIPMENT CONTRACTOR SHALL PROVIDE REMOTE MANUAL PULL STATION, & MICRO-SWITCH. ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL ELECTRICAL CONTACTOR &OR SHUNT-TRIP BREAKERS & ALL INTERCONNECTION CONDUIT & WIRING FOR SHUT-OFF OF ALL ELECTRICALLY HEATED COOKING EQUIPMENT. CONTACTOR FOR SHUNT-TRIP RELAYS SHALL BE ACTIVATED IN CASE OF FIRE BY MICRO-SWITCH AS FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR.

FIRE PROTECTION SYSTEM REMOTE CABLE PULL BOX SHALL BE RECESS MOUNTED OCTAGONAL J-BOX & CENTERED @ 48" A.F.F. W/1/2" EMT CONDUIT OUT OF TOP, CONCEALED IN WALL TO 6" ABOVE FINISHED CEILING, BY ELECTRICAL CONTRACTOR.

ELECTRICAL CONTRACTOR SHALL PROVIDE AN EMPTY CONDUIT BETWEEN WASTE PULPING UNIT & WASTE EXTRACTOR UNIT FOR LOW VOLTAGE CONTROL WIRING.

ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY CONDUIT W/J-BOXES FOR INSTALLATION OF OWNER SUPPLIED CASH REGISTER SYSTEM. VERIFY EXACT REQUIREMENTS W/EQUIPMENT SUPPLIER.

ELECTRICAL CONTRACTOR SHALL PROVIDE COMPUTER GRADE, ISOLATED GROUND ELECTRICAL SERVICE FOR ELECTRICAL CASH REGISTER EQUIPMENT. VERIFY EXACT REQUIREMENTS W/EQUIPMENT SUPPLIES.

ELECTRICAL RECEPTACLES SHALL BE INSTALLED W/THEIR LONG DIMENSIONS RUN HORIZONTALLY.

ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT RACEWAY SYSTEM, FOR REMOTE REFRIGERATION LINES AS INDICATED ON REFRIGERATION PLAN & DETAILS. CONDUIT SHALL HAVE 24" MINIMUM RADIUS BENDS.

ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT & POWER & CONTROL WIRING BETWEEN REMOTE LOW TEMPERATURE EVAPORATORS & REMOTE COMPRESSOR RACK. REFER TO DRAWINGS FOR DETAILS.

ELECTRICAL SYMBOLS

SINGLE RECEPTACLE, NEMA 5-20R	SR	
DUPLEX RECEPTACLE, NEMA 5-15R	DR	
SINGLE RECEPTACLE, 208V OR 480V	SR	
FLOOR RECEPTACLE	FR	
JUNCTION BOX	JB	J
DROP CORD OR CONDUIT	DC	D
CONDUIT STUB	C	
SWITCH	S	S
INCANDESCENT LIGHT		
L.E.D. LIGHT		
POINT OF CONNECTION ON EQUIPMENT		
COMMUNICATIONS OUTLET		
VAPOR-PROOF LIGHTS		
PULL BOX-FIRE SUPRESSION		P
GREASE SENSOR	GS	

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PHASE 1 PERMIT SET 04/24/2025

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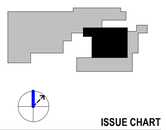
MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

PHASE 1 (AREA - B)
STEP 2 ELECTRICAL
PLAN AND SCHEDULE

SHEET NUMBER

FS01-B.3.2

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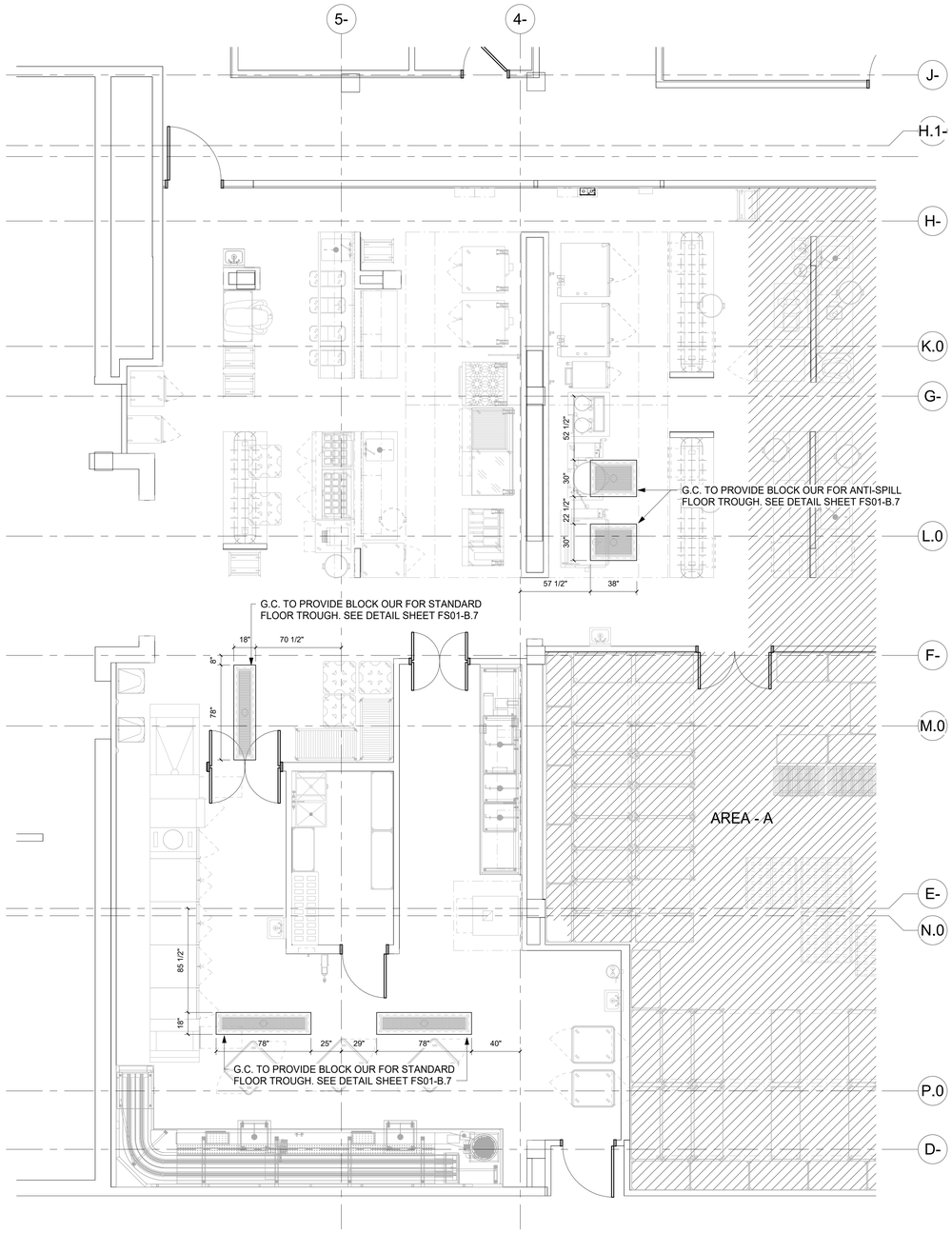

1 PHASE 1 (AREA - B) SLAB BLOCK OUT PLAN
1/4" = 1'-0"

SLAB BLOCK OUT NOTES

DIMENSIONS SHOWN FOR BLOCK OUTS ARE FROM CENTER LINE OF STRUCTURAL COLUMNS. DIMENSIONS TO BE VERIFIED BY THE KITCHEN EQUIPMENT CONTRACTOR AND ALL TRADES UTILIZING THIS PLAN

REFER TO DEATIL SHEET FOR BLOCK OUT DETAILS

SLAB BLOCK OUT SYMBOL

BLOCKOUT

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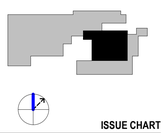

ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE

PHASE 1 (AREA - B)
SLAB BLOCK OUT PLAN

SHEET NUMBER

FS01-B.4

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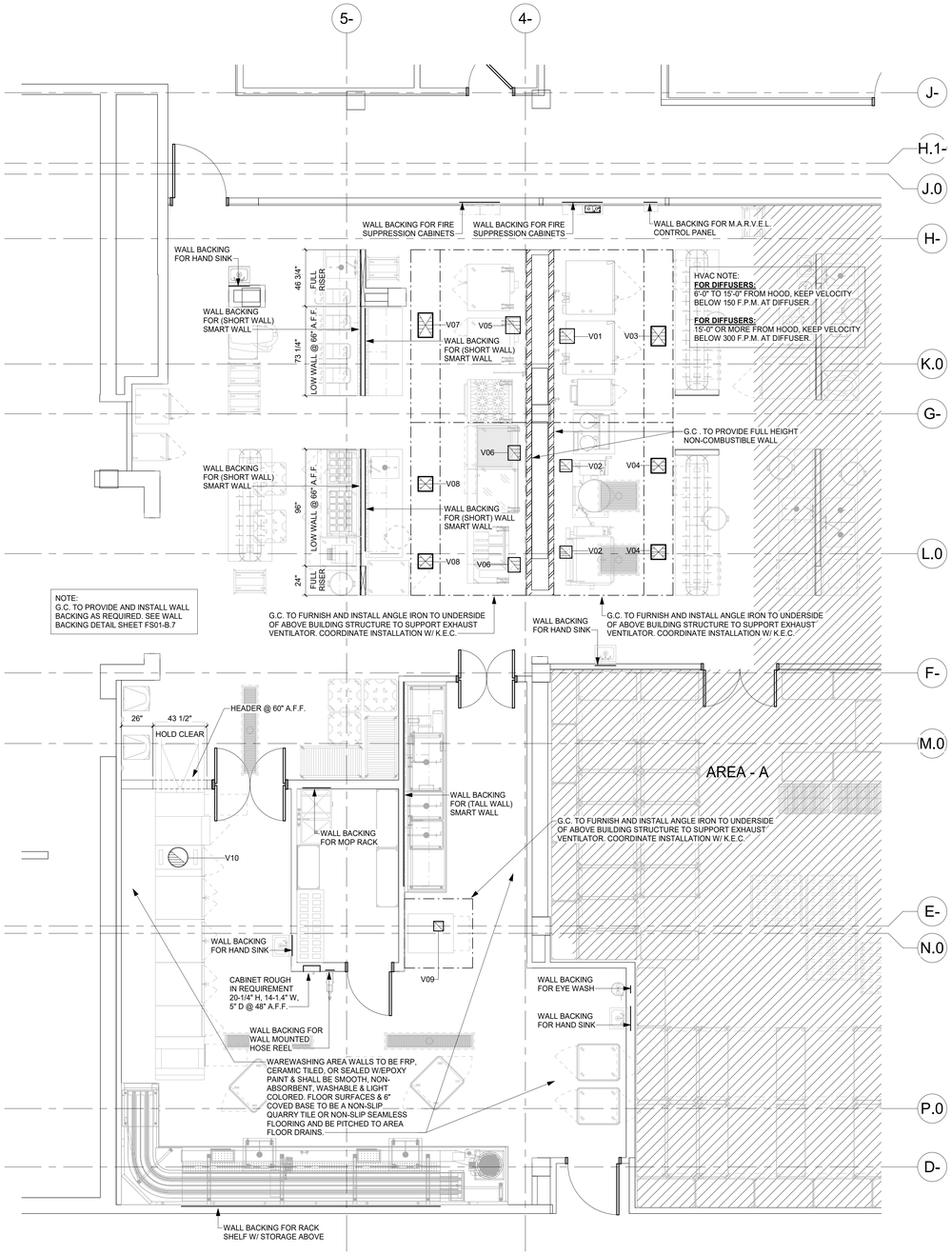

1 PHASE 1 (AREA - B) FINAL SPECIAL CONDITIONS PLAN
1/4" = 1'-0"

PHASE 1 (AREA - B) WILL BE COMPLETED IN TWO STEPS.

(STEP 1) THE MAJORITY OF SPECIAL CONDITIONS WORK WILL BE COMPLETED INCLUDING A LOW WALL CONDITION REQUIRED FOR THE TEMPORARY POD / TRAY ASSEMBLY SYSTEM. REFER TO SHEET FS01-B.5.1

(STEP 2) FOR THE FINAL EQUIPMENT TO BE INSTALLED, THE LOW WALL CONDITION REQUIRED DURING STEP 1 DIFFERS FROM WHAT IS REQUIRED IN STEP 2. REFER TO SHEET FS01-B.5.2

SPECIAL CONDITIONS NOTES

PLEASE DISREGARD ANY NOTES THAT DO NOT APPLY TO THIS PROJECT

ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS, FLOORS, CEILINGS &/OR FROM CENTER LINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY THE KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO-FINISH" UNLESS OTHERWISE NOTED.

REFER TO ARCHITECTURAL/ENGINEERING DRAWINGS FOR ACTUAL CONSTRUCTION DIMENSIONS, LOCATION, THICKNESS & FINISH OF PARTITIONS, FURRING & FLOOR SIZES & LOCATIONS NOT INDICATED ON THE SPECIAL CONDITIONS PLAN.

CEILING SHALL BE SMOOTH, NON-ABSORBENT, WASHABLE & LIGHT COLORED, BY GENERAL CONTRACTOR.

GENERAL CONTRACTOR TO FURNISH & INSTALL ANGLE IRON TO UNDERSIDE OF BUILDING STRUCTURE ABOVE TO SUPPORT EXHAUST VENTILATOR. COORDINATE INSTALLATION W/THE KITCHEN EQUIPMENT CONTRACTOR.

DEPRESSION FOR WALK-IN FREEZER/COOLER ASSEMBLIES &/OR FLOOR TROUGHS SHALL BE SMOOTH & TRANSIT-LEVEL. REFER TO PLAN FOR SIZES, DEPTHS & ADDITIONAL INFORMATION.

CONCRETE & MASONRY BASES & CURBS SHALL BE SMOOTH & TRANSIT-LEVEL. ALL EXPOSED SURFACES SHALL BE FINISHED THE SAME AS FINISHED FLOOR. REFER TO PLAN FOR SIZES & ADDITIONAL INFORMATION.

ALL BACKING MATERIALS SUITABLE FOR WALL-MOUNTED EQUIPMENT SHALL BE PROVIDED BY GENERAL CONTRACTOR AS DETAILED.

ALL STRUCTURE SUPPORT MATERIALS & BRACING SUITABLE FOR CEILING HUNG EQUIPMENT SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. COORDINATE INSTALLATION W/THE KITCHEN EQUIPMENT CONTRACTOR.

ALL RACKS &/OR PLATFORMS FOR ROOF-MOUNTED EQUIPMENT & COMPRESSOR RACKS SHALL BE PROVIDED BY GENERAL CONTRACTOR.

ALL WALL, FLOOR &/OR ROOF SLEEVES SHALL BE PROVIDED BY GENERAL CONTRACTOR.

KITCHEN EQUIPMENT CONTRACTOR SHALL UNDER NO CONDITIONS SET-IN-PLACE OR INSTALL ANY PIECE OF EQUIPMENT PRIOR TO TILE FLOORS BEING ACID WASHED & RINSED.

WHERE QUARRY TILE FLOORS ARE EXTENDED INTO WALK-IN FREEZER/COOLER ASSEMBLIES, GENERAL CONTRACTOR SHALL PROTECT ALL EXPOSED METAL SURFACES & REMOTE DOORS PRIOR TO ACID WASHING OF FLOORS & PROVIDE POWER VENTILATION TO REMOVE FUMES.

GENERAL CONTRACTOR SHALL PROVIDE WALL OPENINGS TO ACCOMMODATE ITEMS OF PASS-THRU & CONVEYOR EQUIPMENT AS DETAILED ON PLAN. REFER TO PLAN FOR ADDITIONAL INFORMATION.

BEVERAGE SYSTEM CONDUIT SHALL BE 6" MINIMUM DIAMETER W/24" MINIMUM RADIUS EASY-SWEEP BENDS @ ALL TURNS & FLOOR PENETRATIONS. CONDUITS SHALL BE RUN BELOW FLOOR SLAB WHERE EVER POSSIBLE & SHALL BE ROUTED TO PROVIDE THE SHORTEST RUNS POSSIBLE. RUNS SHOULD NOT EXCEED 75'0" W/O PULL BOX. ALL PULL BOXES SHALL BE STAINLESS STEEL WHERE EXPOSED & SHALL BE LOCATED IN ACCESSIBLE AREAS. FOR ABOVE SLAB INSTALLATIONS OR WHERE CONDUIT PASSES THROUGH RETURN AIR PLENUMS. PROVIDE 6" EMT CONDUIT(PVC WILL NOT BE PERMITTED). CONDUIT MUST BE PROVIDED BY GENERAL CONTRACTOR.

16GA. STAINLESS STEEL CORNER GUARDS SHALL BE FURNISHED & INSTALLED BY KITCHEN EQUIPMENT CONTRACTOR AS PER PLANS & DETAILS.

SPECIAL CONDITIONS SYMBOLS

SLEEVE	
SLAB DEPRESSION	
BLOCKOUT	
RAISED CURB	
WALL BACKING	

PHASE 1 (AREA - B) VENTILATION SCHEDULE

ITEM	QTY.	SIZE	CONNECTION	C.F.M.	S.P.	REMARKS
V01	1	12" X 12"	EXHAUST	1656	0.21"	FOR HOOD #B11
V02	2	10" X 10"	EXHAUST	772	0.16"	FOR HOOD #B11
V03	1	16" X 12"	SUPPLY	1325	0.25"	FOR HOOD #B11
V04	2	12" X 12"	SUPPLY	617.5	0.04"	FOR HOOD #B11
V05	1	14" X 12"	EXHAUST	2062	0.29"	FOR HOOD #B38
V06	2	12" X 10"	EXHAUST	1332	0.25"	FOR HOOD #B38
V07	1	20" X 12"	SUPPLY	1650	0.25"	FOR HOOD #B38
V08	2	12" X 12"	SUPPLY	1065.5	0.25"	FOR HOOD #B38
V09	1	8" X 8"	EXHAUST	475	0.37"	FOR HOOD #B61
V10	1	16" DIAMETER	EXHAUST	750	0.75"	FOR DISH MACHINE/ ITEM #B83

VENTILATION NOTES

VENTILATION DUCTWORK, EXHAUST FANS, SUPPLY FANS, INTERLOCKS, MOTOR STARTERS, DISCONNECT SWITCHES, FAN CONTROL, SWITCHES, INTERCONNECTING WIRING, CONDUIT, & FINAL CONNECTIONS (TO & FROM) VENTILATORS &/OR DISHWASHER CONDENSATE HOODS SHALL BE BY H.V.A.C./MECHANICAL CONTRACTOR.

DISHWASHER CONDENSATE DUCT & EXHAUST VENTILATOR SUPPLY & EXHAUST, DUCT SIZES & ALL OTHER VENTILATION SPECIFICATIONS FROM THE DUCT COLLAR ON SHALL BE DETERMINED BY ARCHITECT/ENGINEER & ALL NECESSARY MATERIAL & LABOR PROVIDED BY H.V.A.C./MECHANICAL CONTRACTOR.

VENTILATION CFM, STATIC PRESSURE & DUCT SIZES INDICATED ON THESE PLANS ARE THE SPECIFIED EQUIPMENT MINIMUM REQUIREMENTS.

THE FOLLOWING MINIMUM GENERAL FOODSERVICE VENTILATION REQUIREMENTS ARE RECOMMENDED:

A. COOKING, PREPARATION, POTWASHING & DISHWASHING AREAS: REFER TO ASHRAE RECOMMENDATIONS FOR AIR CHANGES PER HOUR.

B. STORAGE AREAS: 2-3 AIR CHANGES PER HOUR, 70D FAHRENHEIT MAXIMUM AMBIENT TEMPERATURE.

C. OFFICES AREAS: 4 AIR CHANGES PER HOUR.

D. AIR-COOLED REFRIGERATION CONDENSING UNITS, 1000 CFM PER HORSEPOWER SUPPLY & EXHAUST, 90D FAHRENHEIT MAXIMUM AMBIENT TEMPERATURE. ALL AREAS MUST BE VENTILATED AS REQUIRED BY APPLICABLE GOVERNING CODES.

MAKE-UP AIR SYSTEM SHALL BE DESIGNED TO PROVIDE A 10% TO 20% NEGATIVE AIR PRESSURE IN KITCHEN AREAS TO CONTAIN SMOKE & ODORS.

ADEQUATE VENTILATION (24 HOURS) IS REQUIRED FOR SELF-CONTAINED REFRIGERATION UNITS IN ENCLOSED AREAS, SUCH AS, ICE MAKERS, WALK-IN COOLER ASSEMBLIES, & BEVERAGE SYSTEMS, TO PREVENT OVERHEATING & COMPRESSOR FAILURE.

VENTILATION SYMBOLS

EXHAUST DUCT	
SUPPLY DUCT	
STATIC PRESSURE, WATER GAUGE	SPWG
CUBIC FEET/MINUTE	CFM

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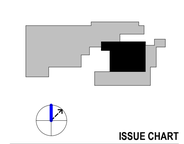
MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

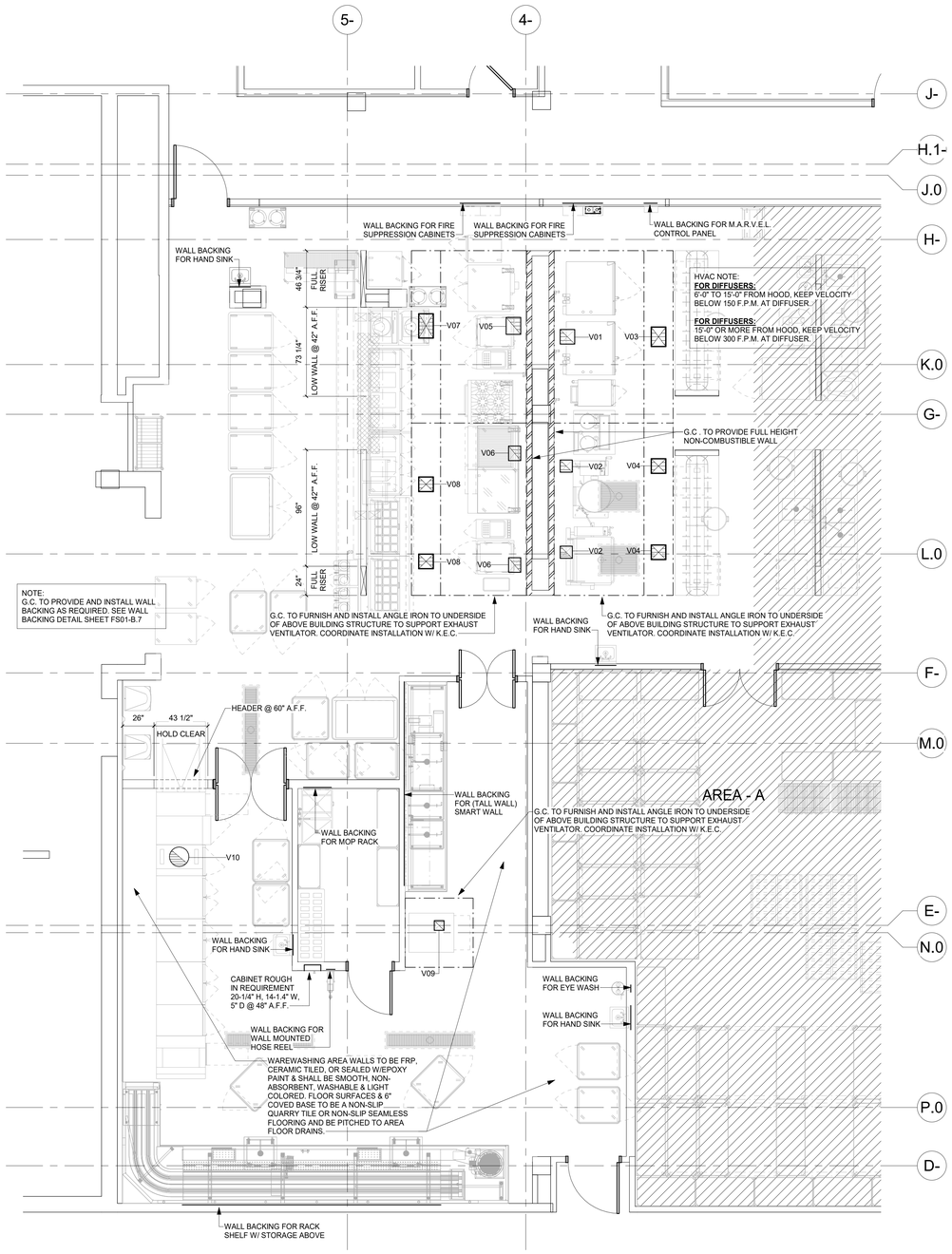
TITLE

PHASE 1 (AREA - B) FINAL SPECIAL CONDITIONS PLAN

SHEET NUMBER

FS01-B.5

4/22/2025 2:05:16 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-B-R25.rvt



1 PHASE 1 (AREA - B) STEP 1 SPECIAL CONDITIONS PLAN
1/4" = 1'-0"

NOTE:
IN THIS STEP ALL SPECIAL CONDITIONS WORK WILL BE PERFORMED INCLUDING THE LOW WALL RUNNING PARALLEL TO GRID 5-
NOTE THE HEIGHT REQUIRED IS @ 42" A.F.F. THE CONDITIONS OF THAT LOW WALL WILL CHANGE IN STEP 2. REFER TO SHEET FS01-5.2
ALL OTHER WORK WILL BE COMPLETE.

SPECIAL CONDITIONS NOTES

PLEASE DISREGARD ANY NOTES THAT DO NOT APPLY TO THIS PROJECT

ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS, FLOORS, CEILINGS &/OR FROM CENTER LINE OF STRUCTURAL COLUMNS. DIMENSIONS ARE TO BE VERIFIED BY THE KITCHEN EQUIPMENT CONTRACTOR & ALL TRADES UTILIZING THESE PLANS.

ANY "HOLD" DIMENSIONS ARE CLEAR "FINISH-TO-FINISH" UNLESS OTHERWISE NOTED.

REFER TO ARCHITECTURAL/ENGINEERING DRAWINGS FOR ACTUAL CONSTRUCTION DIMENSIONS, LOCATION, THICKNESS & FINISH OF PARTITIONS, FURRING & FLOOR SIZES & LOCATIONS NOT INDICATED ON THE SPECIAL CONDITIONS PLAN.

CEILING SHALL BE SMOOTH, NON-ABSORBENT, WASHABLE & LIGHT COLORED, BY GENERAL CONTRACTOR.

GENERAL CONTRACTOR TO FURNISH & INSTALL ANGLE IRON TO UNDERSIDE OF BUILDING STRUCTURE ABOVE TO SUPPORT EXHAUST VENTILATOR. COORDINATE INSTALLATION W/THE KITCHEN EQUIPMENT CONTRACTOR.

DEPRESSION FOR WALK-IN FREEZER/COOLER ASSEMBLIES &/OR FLOOR TROUGHS SHALL BE SMOOTH & TRANSIT-LEVEL. REFER TO PLAN FOR SIZES, DEPTHS & ADDITIONAL INFORMATION.

CONCRETE & MASONRY BASES & CURBS SHALL BE SMOOTH & TRANSIT-LEVEL. ALL EXPOSED SURFACES SHALL BE FINISHED THE SAME AS FINISHED FLOOR. REFER TO PLAN FOR SIZES & ADDITIONAL INFORMATION.

ALL BACKING MATERIALS SUITABLE FOR WALL-MOUNTED EQUIPMENT SHALL BE PROVIDED BY GENERAL CONTRACTOR AS DETAILED.

ALL STRUCTURE SUPPORT MATERIALS & BRACING SUITABLE FOR CEILING HUNG EQUIPMENT SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. COORDINATE INSTALLATION W/THE KITCHEN EQUIPMENT CONTRACTOR.

ALL RACKS &/OR PLATFORMS FOR ROOF-MOUNTED EQUIPMENT & COMPRESSOR RACKS SHALL BE PROVIDED BY GENERAL CONTRACTOR.

ALL WALL, FLOOR &/OR ROOF SLEEVES SHALL BE PROVIDED BY GENERAL CONTRACTOR.

KITCHEN EQUIPMENT CONTRACTOR SHALL UNDER NO CONDITIONS SET-IN-PLACE OR INSTALL ANY PIECE OF EQUIPMENT PRIOR TO TILE FLOORS BEING ACID WASHED & RINSED.

WHERE QUARRY TILE FLOORS ARE EXTENDED INTO WALK-IN FREEZER/COOLER ASSEMBLIES, GENERAL CONTRACTOR SHALL PROTECT ALL EXPOSED METAL SURFACES & REMOTE DOORS PRIOR TO ACID WASHING OF FLOORS & PROVIDE POWER VENTILATION TO REMOVE FUMES.

GENERAL CONTRACTOR SHALL PROVIDE WALL OPENINGS TO ACCOMMODATE ITEMS OF PASS-THRU & CONVEYOR EQUIPMENT AS DETAILED ON PLAN. REFER TO PLAN FOR ADDITIONAL INFORMATION.

BEVERAGE SYSTEM CONDUIT SHALL BE 6" MINIMUM DIAMETER W/24" MINIMUM RADIUS EASY-SWEEP BENDS @ ALL TURNS & FLOOR PENETRATIONS. CONDUITS SHALL BE RUN BELOW FLOOR SLAB WHERE EVER POSSIBLE & SHALL BE ROUTED TO PROVIDE THE SHORTEST RUNS POSSIBLE. RUNS SHOULD NOT EXCEED 75'0" W/O PULL BOX. ALL PULL BOXES SHALL BE STAINLESS STEEL WHERE EXPOSED & SHALL BE LOCATED IN ACCESSIBLE AREAS. FOR ABOVE SLAB INSTALLATIONS OR WHERE CONDUIT PASSES THROUGH RETURN AIR PLENUMS. PROVIDE 6" EMT CONDUIT(PVC WILL NOT BE PERMITTED). CONDUIT MUST BE PROVIDED BY GENERAL CONTRACTOR.

16GA. STAINLESS STEEL CORNER GUARDS SHALL BE FURNISHED & INSTALLED BY KITCHEN EQUIPMENT CONTRACTOR AS PER PLANS & DETAILS.

SPECIAL CONDITIONS SYMBOLS

SLEEVE	
SLAB DEPRESSION	
BLOCKOUT	
RAISED CURB	
WALL BACKING	

PHASE 1 (AREA - B) VENTILATION SCHEDULE

ITEM	QTY.	SIZE	CONNECTION	C.F.M.	S.P.	REMARKS
V01	1	12" X 12"	EXHAUST	1656	0.21"	FOR HOOD #B11
V02	2	10" X 10"	EXHAUST	772	0.16"	FOR HOOD #B11
V03	1	16" X 12"	SUPPLY	1325	0.25"	FOR HOOD #B11
V04	2	12" X 12"	SUPPLY	617.5	0.04"	FOR HOOD #B11
V05	1	14" X 12"	EXHAUST	2062	0.29"	FOR HOOD #B38
V06	2	12" X 10"	EXHAUST	1332	0.25"	FOR HOOD #B38
V07	1	20" X 12"	SUPPLY	1650	0.25"	FOR HOOD #B38
V08	2	12" X 12"	SUPPLY	1065.5	0.25"	FOR HOOD #B38
V09	1	8" X 8"	EXHAUST	475	0.37"	FOR HOOD #B61
V10	1	16" DIAMETER	EXHAUST	750	0.75"	FOR DISH MACHINE/ ITEM #B83

VENTILATION NOTES

VENTILATION DUCTWORK, EXHAUST FANS, SUPPLY FANS, INTERLOCKS, MOTOR STARTERS, DISCONNECT SWITCHES, FAN CONTROL, SWITCHES, INTERCONNECTING WIRING, CONDUIT, & FINAL CONNECTIONS (TO & FROM) VENTILATORS &/OR DISHWASHER CONDENSATE HOODS SHALL BE BY H.V.A.C./MECHANICAL CONTRACTOR.

DISHWASHER CONDENSATE DUCT & EXHAUST VENTILATOR SUPPLY & EXHAUST, DUCT SIZES & ALL OTHER VENTILATION SPECIFICATIONS FROM THE DUCT COLLAR ON SHALL BE DETERMINED BY ARCHITECT/ENGINEER & ALL NECESSARY MATERIAL & LABOR PROVIDED BY H.V.A.C./MECHANICAL CONTRACTOR.

VENTILATION CFM, STATIC PRESSURE & DUCT SIZES INDICATED ON THESE PLANS ARE THE SPECIFIED EQUIPMENT MINIMUM REQUIREMENTS.

THE FOLLOWING MINIMUM GENERAL FOODSERVICE VENTILATION REQUIREMENTS ARE RECOMMENDED:

A. COOKING, PREPARATION, POTWASHING & DISHWASHING AREAS: REFER TO ASHRAE RECOMMENDATIONS FOR AIR CHANGES PER HOUR.

B. STORAGE AREAS: 2-3 AIR CHANGES PER HOUR, 70D FAHRENHEIT MAXIMUM AMBIENT TEMPERATURE.

C. OFFICES AREAS: 4 AIR CHANGES PER HOUR.

D. AIR-COOLED REFRIGERATION CONDENSING UNITS, 1000 CFM PER HORSEPOWER SUPPLY & EXHAUST, 90D FAHRENHEIT MAXIMUM AMBIENT TEMPERATURE. ALL AREAS MUST BE VENTILATED AS REQUIRED BY APPLICABLE GOVERNING CODES.

MAKE-UP AIR SYSTEM SHALL BE DESIGNED TO PROVIDE A 10% TO 20% NEGATIVE AIR PRESSURE IN KITCHEN AREAS TO CONTAIN SMOKE & ODORS.

ADEQUATE VENTILATION (24 HOURS) IS REQUIRED FOR SELF-CONTAINED REFRIGERATION UNITS IN ENCLOSED AREAS, SUCH AS, ICE MAKERS, WALK-IN COOLER ASSEMBLIES, & BEVERAGE SYSTEMS, TO PREVENT OVERHEATING & COMPRESSOR FAILURE.

VENTILATION SYMBOLS

EXHAUST DUCT	
SUPPLY DUCT	
STATIC PRESSURE, WATER GAUGE	SPWG
CUBIC FEET/MINUTE	CFM

Perkins&Will

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#2300, Seattle,
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STRUCTURAL
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MECHANICAL
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PROJECT MANAGER
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920 Fifth Avenue,
Seattle, WA, 98104

PHASE 1 PERMIT SET 04/24/2025

MultiCare
Good Samaritan
Hospital Kitchen
401 15th Ave SE,
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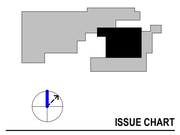
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

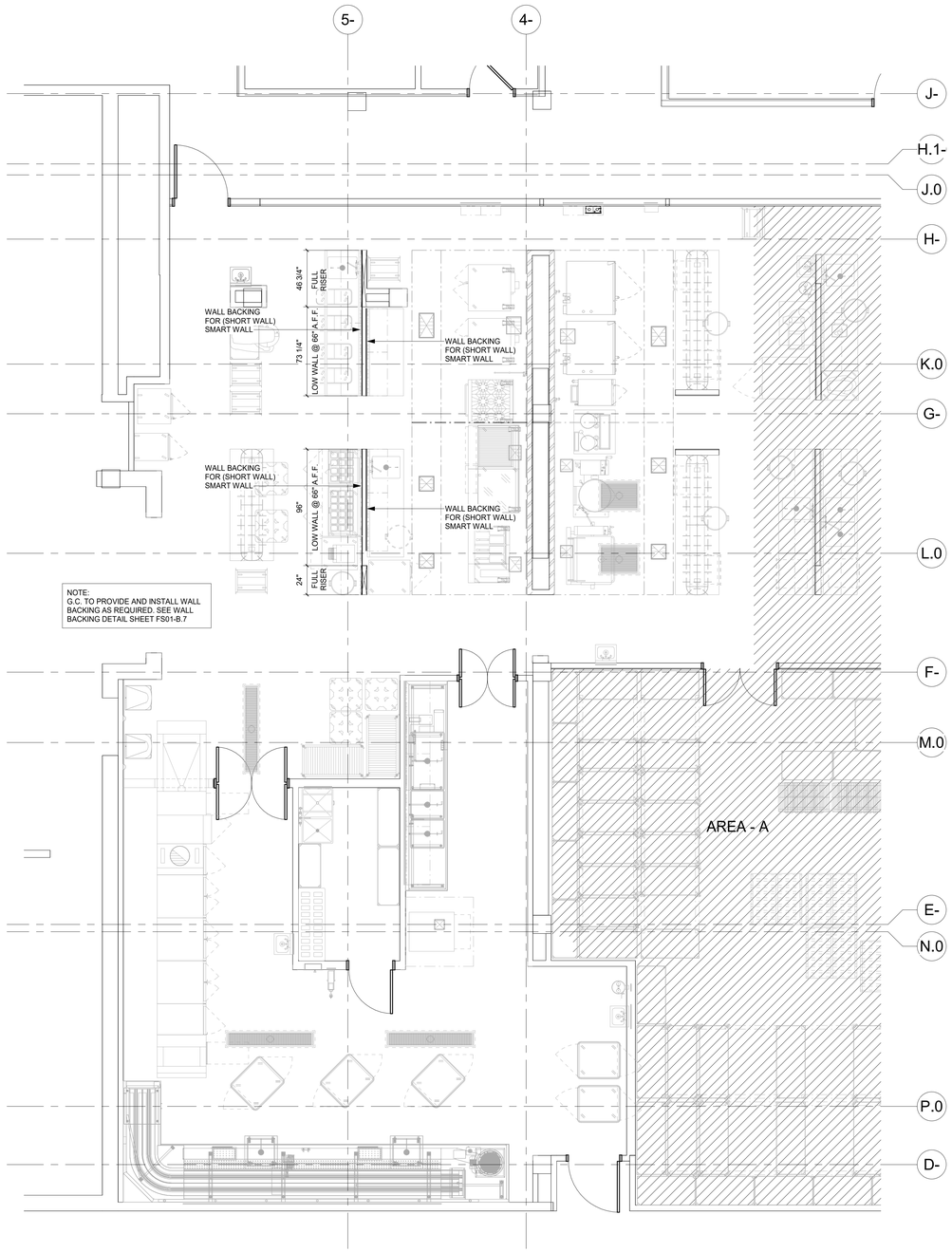
TITLE

PHASE 1 (AREA - B)
STEP 1 SPECIAL
CONDITIONS PLAN

SHEET NUMBER

FS01-B.5.1

4/22/2025 2:05:18 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-B-R25.rvt



NOTE:
G.C. TO PROVIDE AND INSTALL WALL BACKING AS REQUIRED. SEE WALL BACKING DETAIL SHEET FS01-B.7

1 PHASE 1 (AREA - B) STEP 2 SPECIAL CONDITIONS PLAN
1/4" = 1'-0"

NOTE:
IN THIS STEP, IN ORDER FOR THE FINAL EQUIPMENT TO BE PLACED, THE CONDITION OF THE LOW WALL RUNNING PARALLEL TO GRID 5- CHANGES. NOTE THE REQUIRED HEIGHT @ 66" A.F.F.

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SLAB DEPRESSION	
BLOCKOUT	
RAISED CURB	
WALL BACKING	

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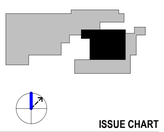


ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

PHASE 1 (AREA - B) STEP 2 SPECIAL CONDITIONS PLAN

SHEET NUMBER

FS01-B.5.2

4/22/2025 2:05:19 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-B-R25.rvt

HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR QTY.	EXHAUST COLLAR LENGTH	EXHAUST COLLAR WIDTH	GREASE EXTRACTOR QTY.	SIZE L	SIZE H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)	SUPPLY AIR REQUIREMENTS: SUPPLY CFM	SUPPLY STATIC PRESSURE	SUPPLY COLLAR QTY.	SUPPLY COLLAR LENGTH	SUPPLY COLLAR WIDTH	PLENUM WEIGHT (LBS)
B11L	KVE	1544	0.16"	0.11"	2	10"	10"	7 / -	20" / 11"	13" / 13"	KSA	ALL 18 GA. 304 S.S.	1120	1235	0.04"	2	12"	12"	237
B11R	KVE	1656	0.21"	0.11"	1	12"	12"	7 / -	20" / 11"	13" / 13"	KSA	ALL 18 GA. 304 S.S.	1120	1325	0.25"	1	16"	12"	237
B38L	KVE	2062	0.29"	0.17"	1	14"	12"	7 / -	20" / 11"	13" / 13"	KSA	ALL 18 GA. 304 S.S.	1091	1650	0.25"	1	20"	12"	237
B38R	KVE	2664	0.25"	0.19"	2	12"	10"	7 / -	20" / 11"	13" / 13"	KSA	ALL 18 GA. 304 S.S.	1091	2131	0.25"	2	12"	12"	237

TOTAL EXH. CFM = 7926

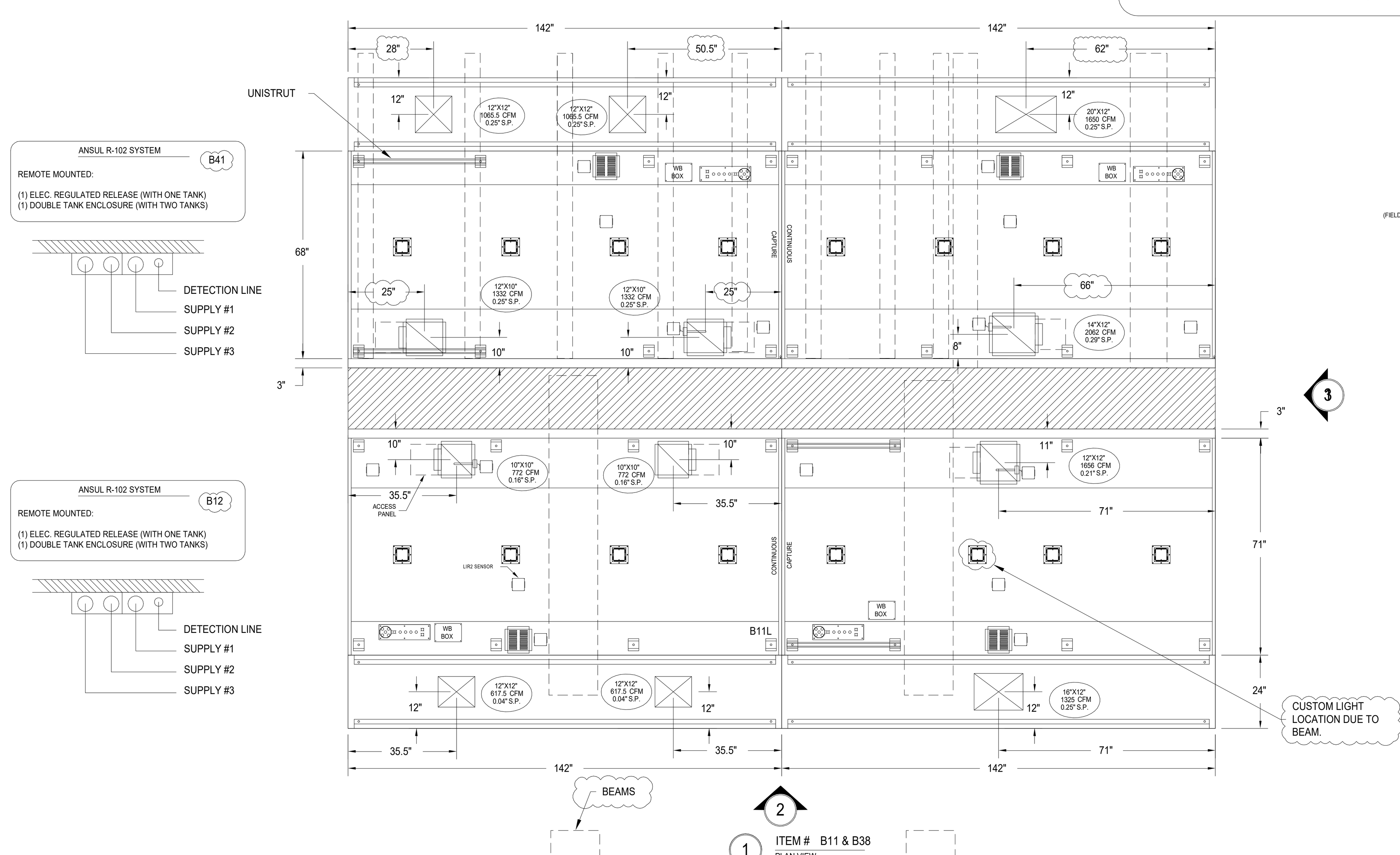
TOTAL SUPPLY CFM = 6341

PHASE 1 AREA B

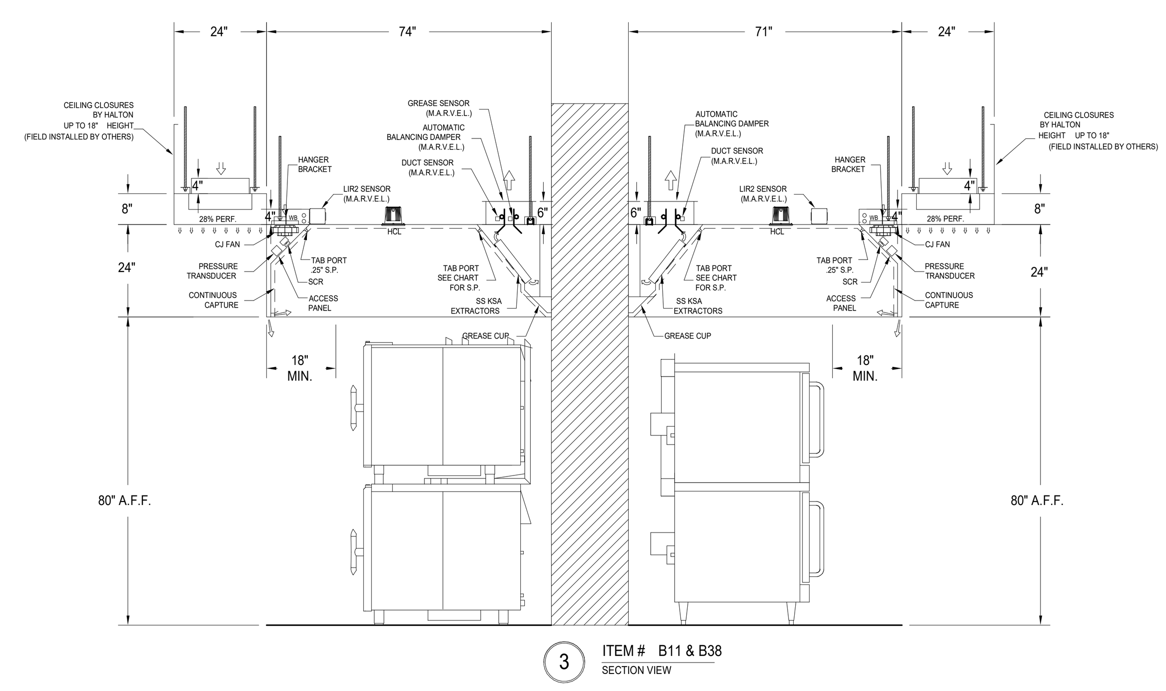
MAKE UP AIR GUIDELINES

- VELOCITY MEASURED AT THE LOWER FRONT LIP OF THE HOOD SHALL NOT EXCEED 75 FPM.
- TRANSFER AIR FROM PARTS OF THE BUILDING OTHER THAN THE KITCHEN SHALL NOT EXCEED 50 FPM VELOCITY.
- NO SLOT, 2-WAY, 3-WAY OR 4-WAY CEILING DIFFUSER SHALL PROVIDE AIRFLOW DIRECTED AT HOOD. MUST INSTALL DIFFUSERS MINIMUM OF 48 " [1219 MM] AWAY FROM ALL OPEN SIDES OF HOODS*.

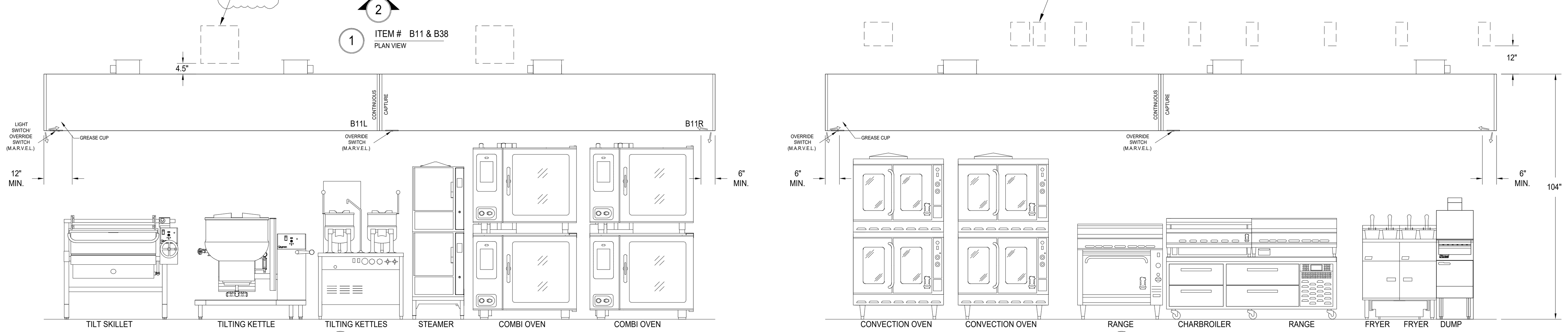
*EXCEPTION-HALTON KCDs MAY BE PLACED 24" [610 MM] AWAY FROM ALL OPEN SIDES OF HOODS.



1 ITEM # B11 & B38 PLAN VIEW



3 ITEM # B11 & B38 SECTION VIEW



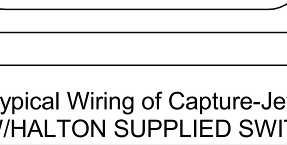
2 ITEM # B11 ELEVATION VIEW

4 ITEM # B38 ELEVATION VIEW

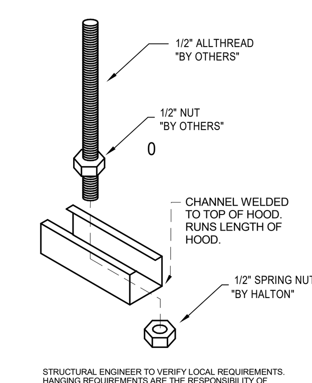
CAPTURE JET CLEARANCE DETAIL

Capture Jet ® Fan Cover Clearance

Patented Capture Jet ® technology perimeter air jets improve capture and containment of heat and grease emissions. It is very important to leave air space above and around the Capture Jet ® air intake cover on the top of the Halton hood. Please leave 2 inches of clearance on the top and sides of the perforated Capture Jet ® intake cover to allow unimpeded entrance of air into the Capture Jet ® fan.



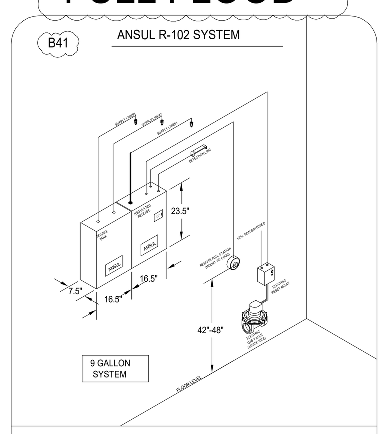
UNISTRUT BRACKET DETAIL



STRUCTURAL ENGINEER TO VERIFY LOCAL REQUIREMENTS. HANGING REQUIREMENTS ARE THE RESPONSIBILITY OF INSTALLING CONTRACTOR, LOCAL CODES MUST BE FOLLOWED.

FULL FLOOD

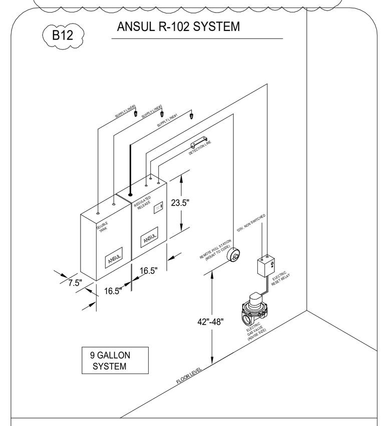
B41 ANSUL R-102 SYSTEM



1) ANSUL R-102 FIRE SYSTEM
2) THREE TANK SYSTEM (9 GALLON)
3) 3/8" BLACK IRON PIPING (CONCEALED) 3/8" S.S. APPLIANCE DROPS (EXPOSED)
4) ELECTRIC GAS VALVE = (ADVISE SIZE)

FULL FLOOD

B12 ANSUL R-102 SYSTEM



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3) 3/8" BLACK IRON PIPING (CONCEALED) 3/8" S.S. APPLIANCE DROPS (EXPOSED)
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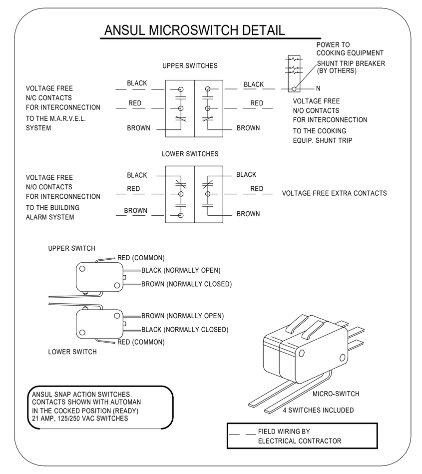
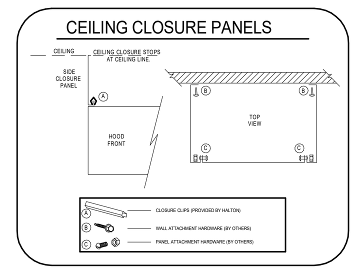
ANSUL MICROSWITCH DETAIL



CEILING CLOSURE PANELS



GENERAL SPECIFICATIONS

1- HOOD CONSTRUCTION AND DESIGN MEETS NFPA 96, IMC SECTION 507 AND UL 710 STANDARD.

2- HOOD IS NSF AND ETL LISTED UNDER THE FOLLOWING FILE NUMBER: ETL #103143204PRT-001

3- ALL INSTALLATION WORK IS TO BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODE REQUIREMENTS.

4- THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96, REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT.

5- ALL EXHAUST DUCTWORK AND TRANSITIONS ARE TO BE PROVIDED BY THE HVAC CONTRACTOR.

6- CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.

7- FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS OF THE HOOD ARE MET.

INSTALLATION REQUIREMENTS

KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS

1- PROVIDE DRAWINGS TO APPROPRIATE TRADES REFERENCING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.

2- DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM PER DRAWING.

3- FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.

4- THE K.E.C MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE K.E.C.

5- IF HALTON MANUAL EXHAUST VOLUME DAMPERS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THEIR INSTALLATION OR TO MAKE ARRANGEMENTS WITH OTHER TRADES FOR THEIR INSTALLATION.

6- IF HALTON MODEL KVL BACKSHELF STYLE HOODS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THE INSTALLATION OF THE CAPTURE-JET FAN.

ELECTRICAL CONTRACTOR'S REQUIREMENTS

1- PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTORS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.

ELECTRICAL EQUIPMENT REQUIREMENTS

FLUORESCENT LIGHT FIXTURE 40 WATT MAX BULB= .67 AMP EA.

RECESSED INCANDESCENT LIGHT FIXTURE 150 WATT MAX BULB= 1.25 AMP EA.

GLOBE INCANDESCENT LIGHT FIXTURE 100 WATT MAX BULB= .83 AMP EA.

HCL LIGHT FIXTURES= .12 AMP EA.

LED LIGHT FIXTURES= .30 AMP EA

CAPTURE JET FAN= .72 AMP EA

ALL HOOD CIRCUITS ARE NOT TO EXCEED 15 AMP

LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS

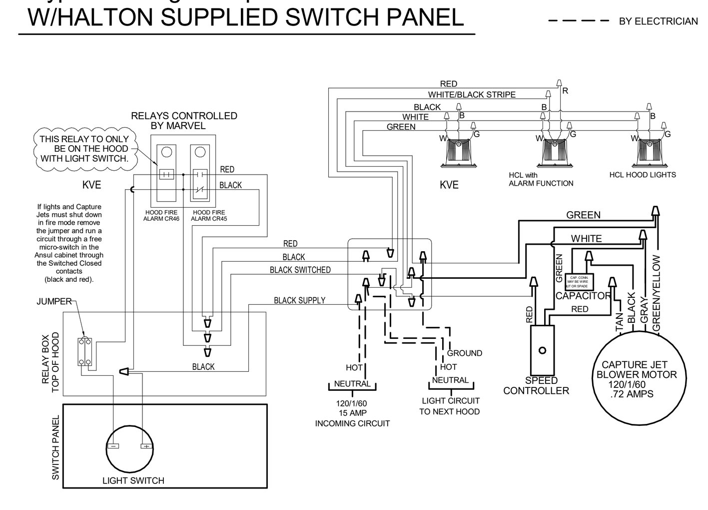
100W EQUIVALENT CFL OR LED BULBS ARE ACCEPTABLE FOR USE IN THE INCANDESCENT FIXTURE HOUSINGS .

CEILING HEIGHT NOTE

IF HALTON COMPANY IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.

FINISHED CEILING HEIGHT A.F.F.: ____________

Typical Wiring of Capture-Jet Fan W/HALTON SUPPLIED SWITCH PANEL



EXHAUST VOLUME DAMPER

MODEL: ABD (Automatic Balancing Damper)

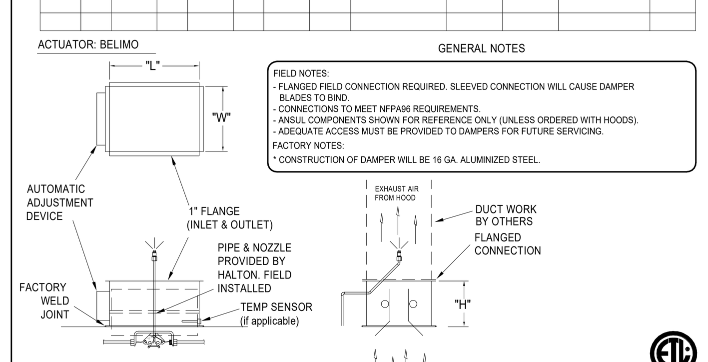
TAG	"L"(in/mm)	"W"(in/mm)	"H"(in/mm)	QTY	CONSTRUCTION	GREASE SENSOR	TEMP SENSOR	DETECTOR (HOOD/DAMPER)	ANSUL
B11L	10"	10"	6"	2	16 GA. ALUM	N	Y	H	Y
B11R	12"	12"	6"	1	16 GA. ALUM	N	Y	H	Y
B38L	14"	12"	6"	1	16 GA. ALUM	N	Y	H	Y
B38R	12"	10"	6"	2	16 GA. ALUM	Y	Y	H	Y

ACTUATOR: BELIMO

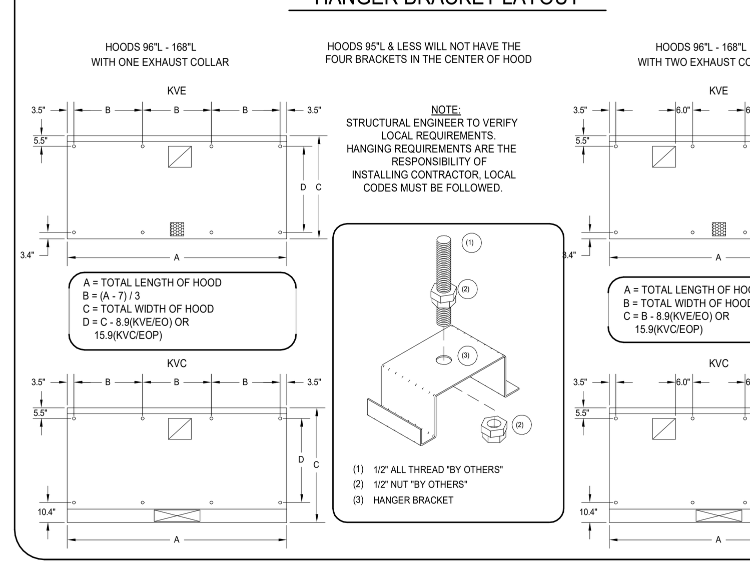
GENERAL NOTES

FIELD NOTES:
- FLANGED FIELD CONNECTION REQUIRED. SLEEVED CONNECTION WILL CAUSE DAMPER BLADES TO BIND.
- CONNECTIONS TO MEET NFPA96 REQUIREMENTS.
- ANSUL COMPONENTS SHOWN FOR REFERENCE ONLY (UNLESS ORDERED WITH HOODS).
- ADEQUATE ACCESS MUST BE PROVIDED TO DAMPERS FOR FUTURE SERVICING.

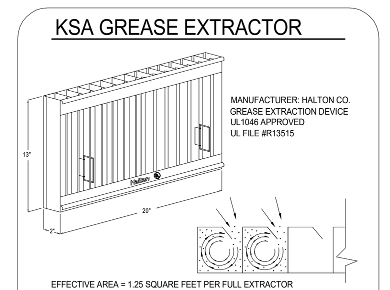
FACTORY NOTES:
* CONSTRUCTION OF DAMPER WILL BE 16 GA. ALUMINIZED STEEL.



HANGER BRACKET LAYOUT



KSA GREASE EXTRACTOR



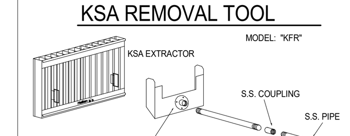
EFFECTIVE AREA = 1.25 SQUARE FEET PER FULL EXTRACTOR
EFFECTIVE AREA = 0.75 SQUARE FEET PER HALF EXTRACTOR
SEE HOOD SUBMITTAL DRAWINGS FOR EXTRACTOR QUANTITY

EXTRACTION OF CONTAMINANTS FROM THE EXHAUST AIR IS PROVIDED BY THE KSA MULTI-CYCLONE GREASE EXTRACTORS. EFFICIENT GREASE EXTRACTION IS ACHIEVED BY FORCING THE EXHAUST AIR TO SPIRAL CONTINUOUSLY IN THE SAME DIRECTION IN THE MULTIPLE CHAMBERS OF THE EXTRACTOR, THUS SEPARATING THE GREASE PARTICLES FROM THE AIR FLOW CENTRIFUGALLY.

HIGH EXTRACTION EFFICIENCY AND LOW PRESSURE LOSS OVER THE KSA REMAIN PRACTICALLY CONSTANT.

KSA REMOVAL TOOL

MODEL: "KFR"



PERFORMANCE CRITERIA

OTHER MANUFACTURERS WISHING TO OFFER AN ALTERNATE TO THE SPECIFIED MANUFACTURER MUST APPLY FOR PERMISSION TO DO SO IN WRITING FROM THE OFFICE OF THE SPECIFYING CONSULTANT. APPLICATION MUST BE RECEIVED BY THE CONSULTANT AT LEAST TEN WORKING DAYS PRIOR TO THE BID DATE. ANY ALTERNATE SYSTEM MUST MEET CONSTRUCTION AND PERFORMANCE REQUIREMENTS AND EFFICIENCIES AS OUTLINED IN THIS SPECIFICATION.

REQUESTS FOR APPROVAL MUST INCLUDE GREASE FILTRATION PERFORMANCE DATA (MICRON SIZE VS. EXTRACTION EFFICIENCY) AND MANUFACTURERS OWN EXHAUST AIR FLOW CALCULATIONS BASED ON THE CONVECTIVE HEAT LOAD OF COOKING EQUIPMENT BENEATH THE HOOD.

EFFICIENCY COMPARISON DATA TO BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT ASTM STANDARD F1704 AND INCLUDE RESULTS FOR THE REQUIRED CAPTURE AND CONTAINMENT EXHAUST AIR FLOW IN ACCORDANCE WITH THE "TEST METHOD TO DETERMINE THE THRESHOLD OF CAPTURE AND CONTAINMENT." DATA MUST INCLUDE THERMAL IMAGING RESULTS VALIDATING CONFORMANCE TO ASTM F1704 AND SUPPLY AIR TEMPERATURE REQUIREMENT OF 74°F.

MAKE UP AIR WILL BE CALCULATED SO THAT THE SAME AMOUNT OF AIR WILL BE TAKEN FROM THE ZONE AS IS REQUIRED BY THE SPECIFIED SYSTEM. AN ADDITIONAL LOAD CANNOT BE PLACED ON THE KITCHEN HVAC SYSTEM.

MANUFACTURER MUST PROVIDE A WRITTEN GUARANTEE OF PERFORMANCE, ENSURING THE SPECIFYING ENGINEER THAT THE SYSTEM WILL PERFORM TO THE ENGINEER'S SATISFACTION WHEN INSTALLED AND BALANCED ACCORDING TO DESIGN AIR FLOWS AND RESULTS OF ASTM STANDARD F1704 TEST. (AS DETERMINED BY TAB PORTS AND PRESSURE VS. AIR FLOW CURVES.) CONSULTANT RESERVES THE RIGHT TO REJECT ANY SYSTEM WHICH, WHEN INSTALLED, DOES NOT PROVIDE CAPTURE AND CONTAINMENT AT THE THRESHOLD FLOW RATE DETERMINED IN ASTM F1704. REJECTED SYSTEM MUST BE REPLACED WITH SPECIFIED SYSTEM, WITH ALL REPLACEMENT COSTS PAID BY MANUFACTURER OF REJECTED SYSTEM.

ANY CHANGES IN THE SPECIFIED SIZING OF POWER WIRING, FAN SIZE, HORSEPOWER REQUIREMENTS, OR GAS LINES DUE TO THE USE OF ANY SYSTEM OTHER THAN THAT WHICH IS SPECIFIED IS THE RESPONSIBILITY OF THE ALTERNATE HOOD MANUFACTURER, AND MUST BE COORDINATED BY THE HOOD MANUFACTURER AND CONTRACTORS INVOLVED.

THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFY THE FOLLOWING:

1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES.
2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTE TO APPROVER

ANY CHANGES IN COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR, A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.

☐ REVISE AND RESUBMIT

APPROVED FOR FABRICATION

☐ WITH NO CHANGES ☐ WITH CHANGES AS NOTED

APPROVED BY ____ DATE ____

COMPLIES WITH LATEST NFPA-96

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

WEBSITE: www.halton.com

HALTON CO. (USA)
101 INDUSTRIAL DRIVE
SCOTTSVILLE, KY 42164
1-270-237-5600

HALTON CO. (CANADA)
1021 BREVIK PLACE
MISSISSAUGA, ON L4W 3R7
1-905-624-0301

REV.	REVISION DESCRIPTION	BY	DATE
1	RESIZED AND MOVED COLLARS AROUND DUE TO BEAMS	CT	02.07.25
2	ADDED PLENUMS	RTC	02.10.25
3	NO CHANGE	KB	03.05.25
4	CORRECTED COLLARS & AIRFLOWS	RTC	04.04.25
5			
6			
7			

PROJECT: 24127 GOOD SAMARITAN MULTICARE - PHASE B

LOCATION:

DRAWN BY: RTC DATE: 12.13.24

SCALE: NOT TO SCALE

CONSULTANT:

Halton

DRAWING TITLE: HOOD DETAILS

DRAWING No.: U24-977

REV. NO.: 4 SHEET NO.: 1 of 3

Perkins&Will

1301 5th Ave
#2300, Seattle,
WA 98101
t +12063816000
www.perkinswill.com

CONSULTANTS

FOOD SERVICE
INMAN FOOD SERVICES
3807 Charlotte Avenue,
Nashville, Tennessee 37209

CIVIL
AHBL
1200 6th Ave #1620,
Seattle, WA 98101

STRUCTURAL
PCS
1011 Western Avenue, Suite 810
Seattle WA 98104

CONTRACTOR
SELLEN
227 Westlake Ave,
Seattle, WA 98109

PLUMBING
MACDONALD MILLER
1004 Madison St,
Seattle, WA 98104

MECHANICAL
MACDONALD MILLER
1004 Madison St,
Seattle, WA 98104

ELECTRICAL
EBD SERVICES
14900 Interurban Ave S. #143
Seattle, WA 98168

PROJECT MANAGER
TURNER & TOWNSEND
920 Fifth Avenue,
Seattle, WA, 98104

PHASE 1 PERMIT SET 04/24/2025

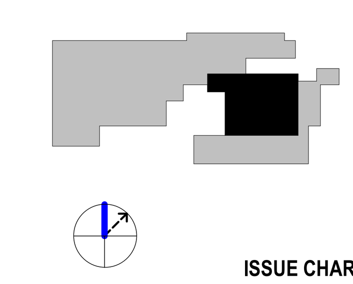
MultiCare Good Samaritan Hospital Kitchen

401 15th Ave SE,
Puyallup,
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

PHASE 1 (AREA - B) HOOD DETAILS 1 OF 3 HALTON DOCUMENTS

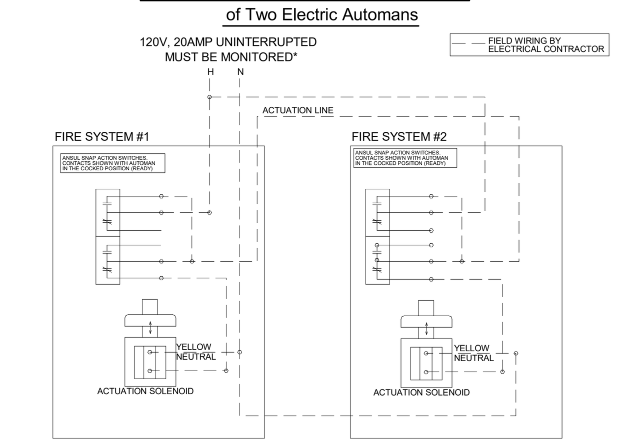
SHEET NUMBER

FS01-B.6

4/18/2025 3:14:09 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-B-R25.rvt

ANSUL DETAILS

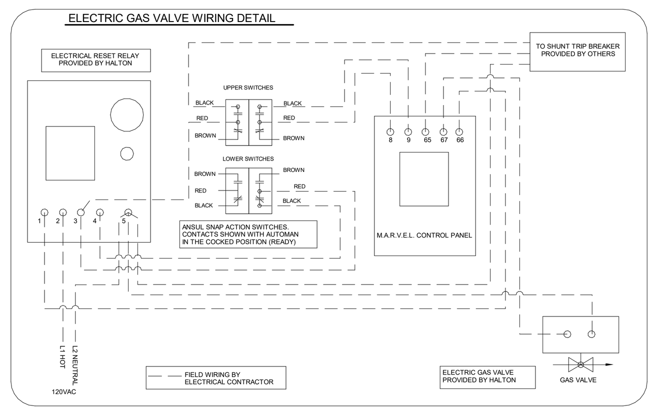
Wiring Diagram for Simultaneous Actuation of Two Electric Automans



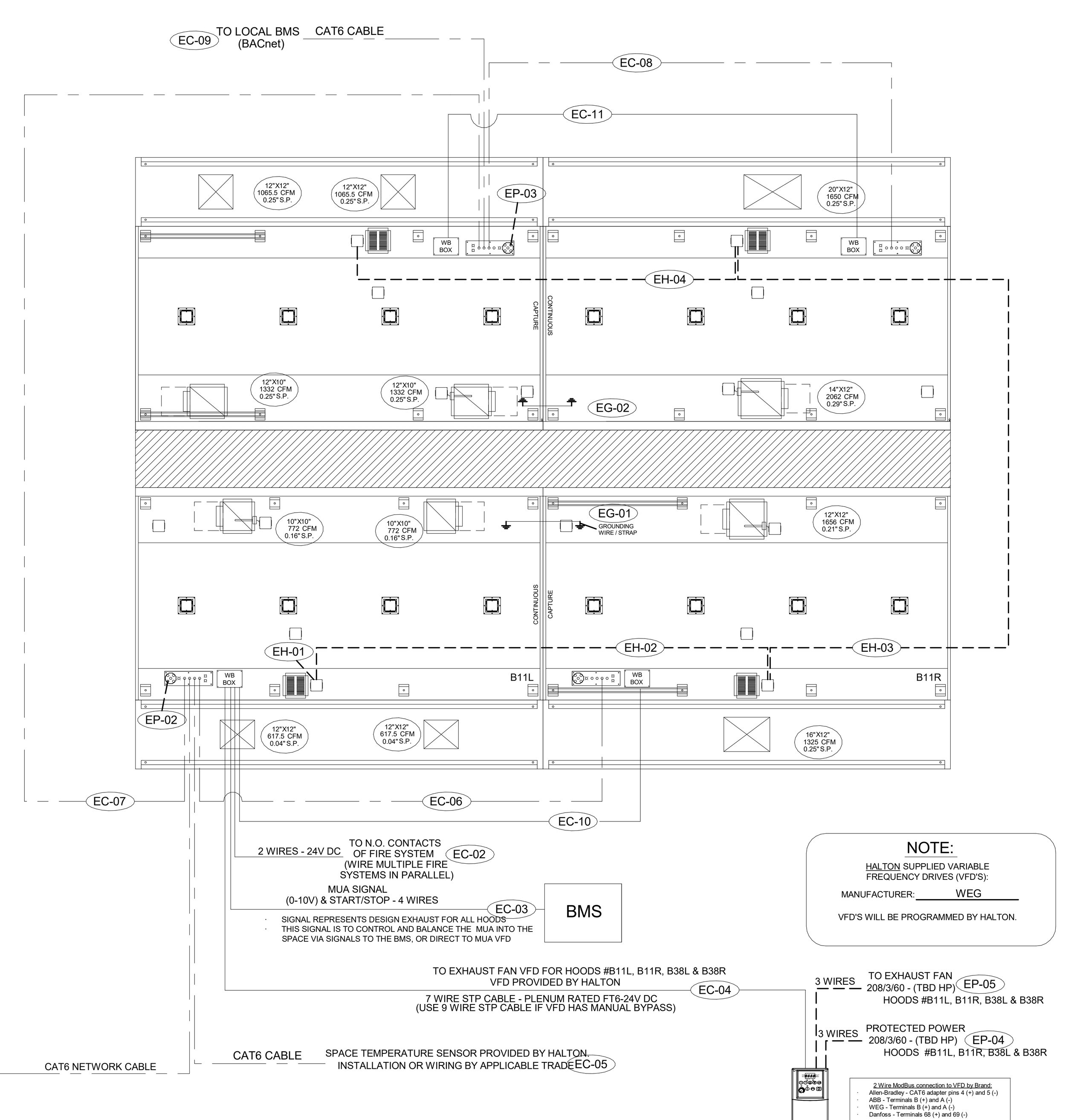
*AUTHORITY HAVING JURISDICTION (AHJ) MAY WAIVE THIS REQUIREMENT, AS THE ANSUL SYSTEMS INCLUDE MECHANICAL DETECTION AND ACTUATION AS A BACKUP DETECTION SYSTEM.

NOTE: WHEN ANY ONE OF THE ELECTRIC AUTOMANS IS ACTIVATED, THE MICROSWITCH WILL TRANSFER TO THE N.O. POSITION COMPLETING THE CIRCUIT TO THE SOLENOID IN THE OTHER ELECTRIC AUTOMAN. THIS WILL ACTIVATE THE AUTOMAN SOLENOID FIRING THE AUTOMAN.

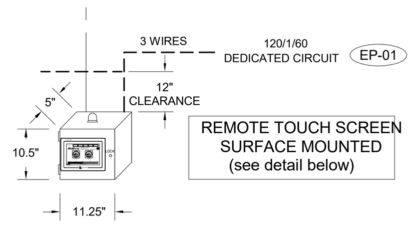
ELECTRIC GAS VALVE WIRING DETAIL



PHASE 1 AREA B



NOTE:
HALTON SUPPLIED VARIABLE FREQUENCY DRIVES (VFD'S):
MANUFACTURER: WEG
VFD'S WILL BE PROGRAMMED BY HALTON.



REMOTE TOUCH SCREEN SURFACE MOUNTED (see detail below)

M.A.R.V.E.L. TOUCH SCREEN
CONTROL PANEL 1

OVERRIDE IN HMI

NOTE: 12" CLEARANCE REQUIRED FOR CELLULAR MODEM

SHOP NOTE: C/W CELLULAR MONITORING

KVE KVE KVE

ELECTRICAL CONNECTION SCHEDULE

CONNECTION #	CONNECTION DESCRIPTION	TYPE	FROM	TO
HOOD CONNECTIONS (EH)				
EH-01	HOOD LIGHT & CAPTURE JET POWER	3-WIRE, 120V, 15A	BUILDING SOURCE	HOOD B11L
EH-02	HOOD TO HOOD - FIELD CONNECTION	3-WIRE, 120V	HOOD B11L	HOOD B11R
EH-03	HOOD TO HOOD - FIELD CONNECTION	3-WIRE, 120V	HOOD B11R	HOOD B38L
EH-04	HOOD TO HOOD - FIELD CONNECTION	3-WIRE, 120V	HOOD B38L	HOOD B38R
CONTROLS POWER CONNECTIONS (EP)				
EP-01	CONTROL PANEL POWER	3-WIRE, 120V, 15A	BUILDING SOURCE	TOUCH SCREEN
EP-02	HOOD CONTROLLER POWER	3-WIRE, 120V, 15A	BUILDING SOURCE	HOOD B11L
EP-03	HOOD CONTROLLER POWER	3-WIRE, 120V, 15A	BUILDING SOURCE	HOOD B38R
EP-04	VFD POWER (HIGH VOLTAGE)	3-WIRE, TBD/3/60, TBD HP	BUILDING SOURCE	EXH FAN VFD
EP-05	EXH FAN POWER (HIGH VOLTAGE)	3-WIRE, TBD/3/60, TBD HP	EXH FAN VFD	EXH FAN MOTOR
CONTROLS CONNECTIONS (EC)				
EC-01	NETWORK CABLE - PANEL TO HOODS	CAT6	TOUCH SCREEN	HOOD B11L
EC-02	FIRE MODE SIGNAL	2-WIRE, 24V	HOOD B11L	FIRE SYSTEM
EC-03	MUA SIGNAL - START/STOP, DEMAND LEVEL (0-10V)	4-WIRE, 24V	HOOD B11L	BMS
EC-04	VFD CONTROL WIRING	7-WIRE, 24V, PLEMUM RATED	HOOD B11L	EXH FAN VFD
EC-05	SPACE TEMP SENSOR - FIELD CONNECTION	CAT6	HOOD B11L	TEMP SENSOR
EC-06	NETWORK CABLE - HOOD PAIR - PRIMARY TO SECONDARY	CAT6	HOOD B11L	HOOD B11R
EC-07	NETWORK CABLE - HOOD CONTROLLER TO HOOD CONTROLLER	CAT6	HOOD B11L	HOOD B38R
EC-08	NETWORK CABLE - HOOD PAIR - PRIMARY TO SECONDARY	CAT6	HOOD B38R	HOOD B38L
EC-09	BMS(BACNET) CONNECTION	CAT6	HOOD B38R	BMS
EC-10	24V POWER - 2 WIRES	2-WIRE, 24V	HOOD B11L	HOOD B11R
EC-11	24V POWER - 2 WIRES	2-WIRE, 24V	HOOD B38R	HOOD B38L
GROUND CONNECTIONS (EG)				
EG-01	GROUNDING WIRE / STRAP - HOOD PAIR	GROUNDIGN WIRE / STRAP	HOOD B11L	HOOD B11R
EG-02	GROUNDING WIRE / STRAP - HOOD PAIR	GROUNDIGN WIRE / STRAP	HOOD B38R	HOOD B38L

HOOD GROUPINGS

PRIMARY	SECONDARY
B11L	B11R
B38R	B38L

M.A.R.V.E.L. BASIC SEQUENCE OF OPERATIONS

☑ M.A.R.V.E.L.

START UP & SHUTDOWN
- OFF
- IDLE
- COOKING OR ACTIVE MODE

MAKE UP AIR
- START/STOP
- 0-10V OUTPUT TOTAL MUA DEMAND

FIRE MODE SEQUENCE

STANDARD OVERRIDE FEATURE - HMI
- ☑ ABDS - INDIVIDUAL HOOD CONTROL
- ☐ MBDS - GROUP HOOD CONTROL
- ☐ NO BALANCING DAMPERS

☑ HALTON CONNECT (EDGE)

☑ ROOM TEMP SENSOR

COMMUNICATION WIRING NOTE:

MAXIMUM LENGTH OF CABLES BETWEEN ANY THREE CONTROLLERS (CONTROL PANELS, HOODS, ETC) IN SERIES IS 328 FEET (100 METERS). THIS ALLOWS CONTINUED COMMUNICATION THROUGH A FAILED CONTROLLER. IF GREATER CABLE LENGTH IS NEEDED BETWEEN CONTROLLERS, AN INLINE ETHERNET BOOSTER MUST BE SPECIFIED AND USED.

NOTES:

ALL FIELD WIRING AND CONNECTION POINTS ARE SUBJECT TO CHANGE DUE TO ELECTRICAL COMPONENT(S) UPDATE OR OBSOLESCENCE. HALTON WILL NOT BE LIABLE FOR ANY CHANGE ORDERS BASED ON DRAWINGS CREATED ONE OR MORE YEARS PRIOR TO PRODUCTION. WHEN RELEASED AN UPDATED SET OF ELECTRICAL DIAGRAMS(S) WILL BE SUPPLIED.

CONNECTIVITY NOTES:

IF COMMUNICATION WITH BUILDING MANAGEMENT SYSTEM (BMS) IS VIA BACNET, THE COMMUNICATION PROTOCOL DEFAULT IS BACNET IP.

M.A.R.V.E.L. SCOPE OF WORK

RESPONSIBILITY TO BE SELECTED BY GENERAL CONTRACTOR

DEFINITIONS FOR REFERENCE:

M.A.R.V.E.L. I SYSTEMS = 1 EXHAUST FAN SERVING 1 KITCHEN HOOD

M.A.R.V.E.L. II SYSTEMS = 1 EXHAUST FAN SERVING MULTIPLE KITCHEN HOODS

VFD = VARIABLE FREQUENCY DRIVES

CONNECTION LOCATIONS WILL VARY PER SYSTEM, REFER TO HALTON M.A.R.V.E.L. DIAGRAMS FOR SPECIFICS

1. APPLICABLE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE M.A.R.V.E.L. CONTROL PANEL. LOCATION TO BE DETERMINED BY GC AND SHALL BE WITHIN SAME SPACE AS THE KITCHEN HOODS BEING SERVED BY PANEL. (M.A.R.V.E.L. I HOOD SYSTEMS WILL NOT HAVE SUCH PANEL)
2. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 115V (15AMP) DEDICATED CIRCUIT AT M.A.R.V.E.L. CONTROL PANEL
3. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL RJ45 CAT6 CABLE CONNECTION AT M.A.R.V.E.L. CONTROL PANEL FOR M.A.R.V.E.L. II SYSTEMS OR AT KITCHEN HOOD FOR M.A.R.V.E.L. I SYSTEMS FOR I.P. ADDRESS.
4. APPLICABLE CONTRACTOR TO INSTALL SPACE TEMP SENSOR (SUPPLIED BY HALTON) IN SAME SPACE AS KITCHEN HOOD SYSTEM AND 48"-54" A.F.F. NEAREST MUA T-STAT.
5. APPLICABLE CONTRACTOR SHALL SUPPLY AND RUN RJ45 CAT6 CABLE CONNECTION FROM SPACE TEMP SENSOR TO M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR TO KITCHEN HOOD (M.A.R.V.E.L. I)
6. APPLICABLE CONTRACTOR TO SUPPLY AND RUN 2 WIRE 24V DC WIRING FROM ANSUL FIRE SYSTEM EITHER TO M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR TO KITCHEN HOOD (M.A.R.V.E.L. I).
7. APPLICABLE CONTRACTOR TO SUPPLY AND RUN RJ45 CAT6 CABLE FROM HOOD TO HOOD AND TO PANEL AS SHOWN IN HALTON M.A.R.V.E.L. DIAGRAM.
8. APPLICABLE CONTRACTOR TO SUPPLY AND RUN 4 WIRE MUA SIGNAL (0-10V & START/STOP) FROM M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR FROM KITCHEN HOOD (M.A.R.V.E.L. I) TO BMS OR DDC.
9. APPLICABLE CONTRACTOR TO SUPPLY AND RUN 7 WIRE STP PLENUM RATED CABLE (9 WIRE STP CABLE IF VFD IS PROVIDED WITH BYPASS) FROM M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR FROM KITCHEN HOOD (M.A.R.V.E.L. I) TO EXHAUST FAN VFD(S) (VFD'S AND CABINET SUPPLIED BY HALTON UNLESS OTHERWISE NOTED)
10. APPLICABLE CONTRACTOR TO SUPPLY AND RUN RJ45 CAT6 CABLE FROM CONTROL PANEL TO VFD, FOR MODBUS COMMUNICATION.
11. APPLICABLE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE VFD(S). LOCATION TO BE DETERMINED BY GC AND SHALL BE WITHIN 150 FEET MAX DISTANCE FROM EXHAUST FAN(S).
12. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL THREE PHASE OR SINGLE PHASE POWER FEED FROM CIRCUIT BREAKER(S) TO VFD(S). APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL THREE PHASE OR SINGLE PHASE POWER FROM VFD(S) TO EXHAUST / MUA (IF APPLICABLE) MOTORS. ALL TO BE RAN IN SEPARATE CONDUIT.
13. APPLICABLE CONTRACTOR SHALL INSTALL GREASE SENSOR(S), IF PROVIDED, IN MAIN EXHAUST TRUNK, AND WIRE THE SENSOR BACK TO THE DESIGNATED LOCATION.
14. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 115V (15AMP) DEDICATED CIRCUIT AT EACH KITCHEN HOOD. (IF HOODS ARE UV, A SECOND 115V DEDICATED CIRCUIT IS REQUIRED.)
15. INSTALLING CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING ADEQUATE ACCESS TO ALL COMPONENTS LOCATED ABOVE HOOD.
16. HALTON REPRESENTATIVE TO PERFORM FINAL FIELD COMMISSIONING ONCE ALL RESPONSIBILITIES ARE COMPLETED ABOVE.

NOTES:

ALL WIRING AND CABLING TO BE PROVIDED BY ELECTRICAL CONTRACTOR UNLESS STATED OTHERWISE

NOTES:

ALL FAN MOTORS MUST BE COMPATIBLE WITH VARIABLE FREQUENCY DRIVES (VFD'S). ALL MOTORS MUST BE CONNECTED TO THREE PHASE POWER. ELECTRONICALLY COMMUTATED MOTORS (ECM) ARE ALSO ACCEPTABLE IF SINGLE PHASE POWER IS TO BE USED. (24V POWER SUPPLY TO THE ECM IS BY OTHERS)

NOTES:

ALL VARIABLE FREQUENCY DRIVES (VFD'S) MUST BE INSTALLED WITHIN 150' OF THE EXHAUST FAN.

FAN CONFIGURATION DATA FOR M.A.R.V.E.L.

Exhaust Data:

EF Item #: ________ Voltage/Phase/Hertz: ____/__/____
EF HP: ________
Hood Item #'s connected to this fan: ____________

EF Item #: ________ Voltage/Phase/Hertz: ____/__/____
EF HP: ________
Hood Item #'s connected to this fan: ____________

EF Item #: ________ Voltage/Phase/Hertz: ____/__/____
EF HP: ________
Hood Item #'s connected to this fan: ____________

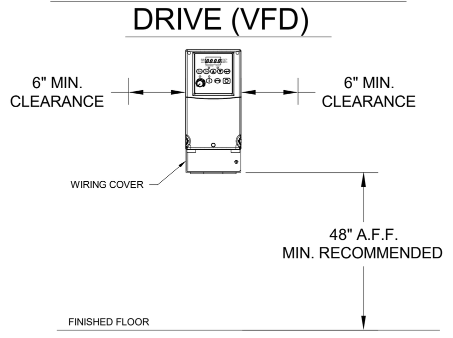
EF Item #: ________ Voltage/Phase/Hertz: ____/__/____
EF HP: ________
Hood Item #'s connected to this fan: ____________

Make Up Air Data:

Quantity of MUA "Zones": ________
Hood Item #'s located in Zone 1: ____________
Hood Item #'s located in Zone 2: ____________

NOTE: Above information must be completed in full prior to project being released for production. If more than four exhaust fans or two MUA zones are being used, please provide this data as well.

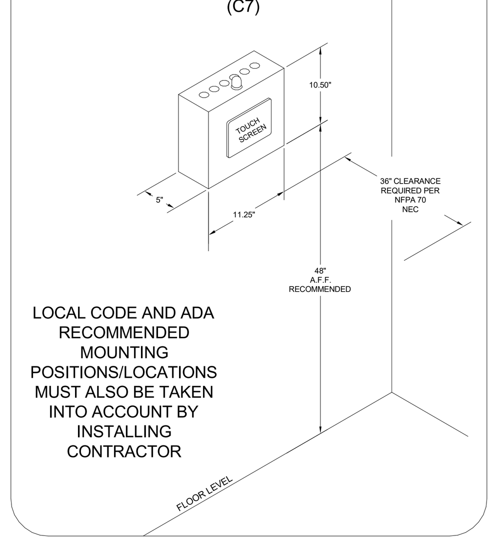
VARIABLE FREQUENCY DRIVE (VFD)



- VFD PHYSICAL DIMENSIONS TO BE DETERMINED BY MOTOR HORSEPOWER AND VOLTAGE.
- VFD TO BE MOUNTED IN DESIGNATED LOCATION.
- VFD MUST BE LOCATED WITHIN 150' OF FAN MOTOR.
- INSTALL SEPERATE CONDUITS FOR INCOMING & OUTGOING WIRING FROM EACH VFD.
- VFD'S ARE SUPPLIED & PROGRAMMED BY HALTON, THEY ARE TO BE INSTALLED & WIRED BY APPLICABLE TRADE OTHER THAN HALTON.
- VFD CABINETS ARE NOT SUPPLIED BY HALTON.
- IF VFD CABINETS ARE SUPPLIED IN THE FIELD, ENSURE THAT CABINET IS PROPERLY VENTILATED.

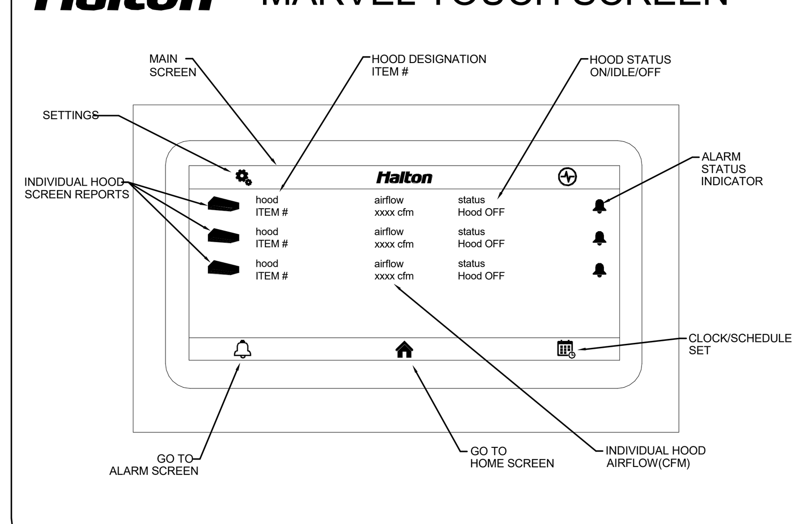
M.A.R.V.E.L. TOUCH SCREEN

(C7)



LOCAL CODE AND ADA RECOMMENDED MOUNTING POSITIONS/LOCATIONS MUST ALSO BE TAKEN INTO ACCOUNT BY INSTALLING CONTRACTOR

Halton MARVEL TOUCH SCREEN



M.A.R.V.E.L. SYSTEM

M.A.R.V.E.L. EQUIPMENT CONNECTED LOADS

M.A.R.V.E.L. CONTROL PANEL= 10 AMPS EA.

M.A.R.V.E.L. PLC AT EACH HOOD SECTION= 4 AMPS EA.
(MAXIMUM 3 M.A.R.V.E.L. HOOD PLC'S PER 15A CIRCUIT)

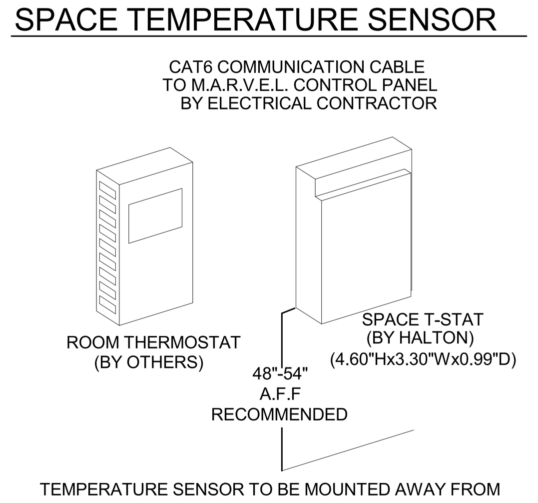
ALL CIRCUITS ARE NOT TO EXCEED 15 AMP

NOTES:

- FIELD WIRING (BY E.C.) - 120V - 12AWG MIN.-10AWG MAX.
- FIELD WIRING (BY E.C.) - 24V - 22AWG MIN.-16AWG MAX.
- FIELD WIRING (BY E.C.) - 24V - CAT6

(FIG 1-1)

SPACE TEMPERATURE SENSOR



TEMPERATURE SENSOR TO BE MOUNTED AWAY FROM VARYING SOURCES OF HEAT. USUALLY IN CLOSE PROXIMITY TO THE ROOM THERMOSTAT. SENSOR TO BE LOCATED IN SAME "ZONE" AS HOODS THEY SERVE, BY NO CLOSER THAN 10'-12' FROM THE EXHAUST HOOD OR ANY OTHER UNHOODED APPLIANCES.

THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFY THE FOLLOWING:
1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES.
2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTE TO APPROVER
ANY CHANGES IN COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR, A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.

☐ REVISE AND RESUBMIT

APPROVED FOR FABRICATION
☐ WITH NO CHANGES ☐ WITH CHANGES AS NOTED

APPROVED BY: ________ DATE: ________

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

HALTON CO. (CANADA)
1021 BREVIK PLACE
MISSISSAUGA, ON L4W 3R7
1-905-624-0301

WEBSITE: www.halton.com

HALTON CO. (USA)
101 INDUSTRIAL DRIVE
SCOTTSVILLE, KY 42164
1-270-237-5600

REV.	REVISION DESCRIPTION	BY	DATE
1	REVIED HOOD AND CONNECTIONS	CT	02.07.25
2	REVISED HOODS	RTC	02.10.25
3	NO CHANGE	KB	03.05.25
4	REVISED COLLAR BUBBLES	RTC	04.04.25
5			
6			
7			

PROJECT: 24127 GOOD SAMARITAN MULTICARE - PHASE B
LOCATION:
DRAWN BY: RTC DATE: 12.13.24
SCALE: NOT TO SCALE
CONSULTANT: INMAN

Halton

DRAWING TITLE: DEMAND CONTROL DETAILS
DRAWING No.: U24-977
REV. NO.: 4 SHEET NO.: 2 of 3

Perkins&Will

1301 5th Ave
#2300, Seattle,
WA 98101
t +12063816000
www.perkinswill.com

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FOOD SERVICE
INMAN FOOD SERVICES
3807 Charlotte Avenue,
Nashville, Tennessee 37209

CIVIL
AHBL
1200 6th Ave #1620,
Seattle, WA 98101

STRUCTURAL
PCS
1011 Western Avenue, Suite 810
Seattle WA 98104

CONTRACTOR
SELLEN
227 Westlake Ave,
Seattle, WA 98109

PLUMBING
MACDONALD MILLER
1004 Madison St,
Seattle, WA 98104

MECHANICAL
MACDONALD MILLER
1004 Madison St,
Seattle, WA 98104

ELECTRICAL
EBD SERVICES
14900 Interurban Ave S. #143
Seattle, WA 98168

PROJECT MANAGER
TURNER & TOWNSEND
920 Fifth Avenue,
Seattle, WA, 98104

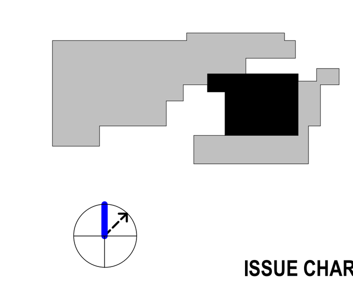
PHASE 1 PERMIT SET 04/24/2025

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

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE
PHASE 1 (AREA - B) DEMAND CONTROL DETAILS 2 OF 3 HALTON DOCUMENTS

SHEET NUMBER
FS01-B.6.1

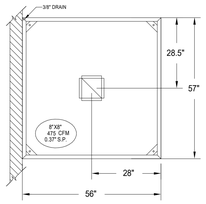
4/18/2025 3:14:10 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-B-R25.rvt

HOOD INFORMATION TABLE

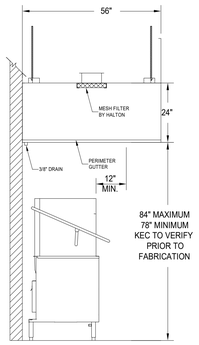
HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS						GREASE EXTRACTOR				HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
		EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR			QTY.	SIZE		TYPE		
					QTY.	LENGTH	WIDTH		L	H			
B61	CH	475	0.37"	-	1	8"	8"	1	12"	12"	MESH	ALL 18 GA. 304 S.S.	221

TOTAL EXH. CFM = 475

PHASE 1 AREA B

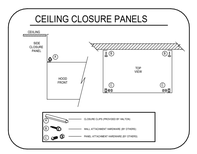


2
1 ITEM # B61
PLAN VIEW



2 ITEM # B61
SECTION VIEW

CEILING CLOSURE PANELS



GENERAL SPECIFICATIONS

1- HOOD IS NSF LISTED.

2- ALL INSTALLATION WORK IS TO BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODE REQUIREMENTS.

3- ALL EXHAUST DUCTWORK AND TRANSITIONS ARE TO BE PROVIDED BY THE HVAC CONTRACTOR.

4- CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.

5- FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS OF THE HOOD ARE MET.

INSTALLATION REQUIREMENTS

KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS

1- PROVIDE DRAWINGS TO APPROPRIATE TRADES REFERENCING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.

2- DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM PER DRAWING.

3- FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.

4- THE K.E.C MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE K.E.C.

5- IF HALTON EXHAUST VOLUME DAMPERS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THEIR INSTALLATION OR TO MAKE ARRANGEMENTS WITH OTHER TRADES FOR THEIR INSTALLATION.

ELECTRICAL CONTRACTOR'S REQUIREMENTS

1- PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTORS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.

ELECTRICAL EQUIPMENT REQUIREMENTS

FLUORESCENT LIGHT FIXTURE
40 WATT MAX BULB= .67 AMP EA.

RECESSED INCANDESCENT LIGHT FIXTURE
150 WATT MAX BULB= 1.25 AMP EA.

GLOBE INCANDESCENT LIGHT FIXTURE
100 WATT MAX BULB= .83 AMP EA.

HCL LIGHT FIXTURES= .12 AMP EA.

LED LIGHT FIXTURES= .30 AMP EA.

ALL HOOD CIRCUITS ARE NOT TO EXCEED 15 AMP

LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS

100W EQUIVALENT CFL OR LED BULBS ARE ACCEPTABLE FOR USE IN THE INCANDESCENT FIXTURE HOUSINGS

CEILING HEIGHT NOTE

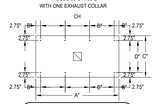
IF HALTON COMPANY IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.

FINISHED CEILING HEIGHT A.F.F.: _____

HANGER BRACKET LAYOUT

NOTE:
STRUCTURAL ENGINEER TO VERIFY LOCAL REQUIREMENTS HANGING ARE THE RESPONSIBILITY OF INSTALLING CONTRACTORS. LOCAL CODES MUST BE FOLLOWED.

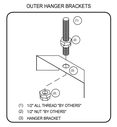
HOODS 96"L - 168"L
WITH ONE EXHAUST COLLAR



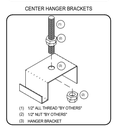
A = TOTAL LENGTH OF HOOD
B = (A - 5.5) / 3
C = TOTAL WIDTH OF HOOD.
D = C - 5.5

HOODS 95"L & LESS WILL NOT HAVE THE FOUR BRACKETS IN THE CENTER OF HOOD

OUTER HANGER BRACKETS



CENTER HANGER BRACKETS



THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY.
PLEASE VERIFY THE FOLLOWING:
1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES
2. THE CORRECT TYPE OF COOKING EQUIPMENT.
NOTE TO APPROVER:
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☐ REVISE AND RESUBMIT
APPROVED FOR FABRICATION
☐ WITH CHANGES AS NOTED
☐ WITH NO CHANGES

APPROVED BY: DATE

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

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1021 BREVIK PLACE
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1-905-624-0001

WEBSITE: www.halton.com

HALTON CO. (USA)
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REV.	REVISION DESCRIPTION	BY	DATE
1	ADDED SHEET	CT	02.07.25
2	NO CHANGE	CT	02.10.25
3	NO CHANGE	RTC	03.05.25
4	NO CHANGE	KB	04.04.25
5	NO CHANGE	RTC	04.04.25
6			
7			
8			

PROJECT: 24127 GOOD SAMARITAN MULTICARE - PHASE B
LOCATION:
DRAWN BY: CT DATE: 02.07.25
SCALE: NOT TO SCALE
CONSULTANT:
Halton

DRAWING TITLE: HOOD DETAILS
DRAWING No.: U24-997
REV. NO.: 4 SHEET NO.: 3 of 3

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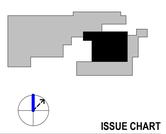
MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



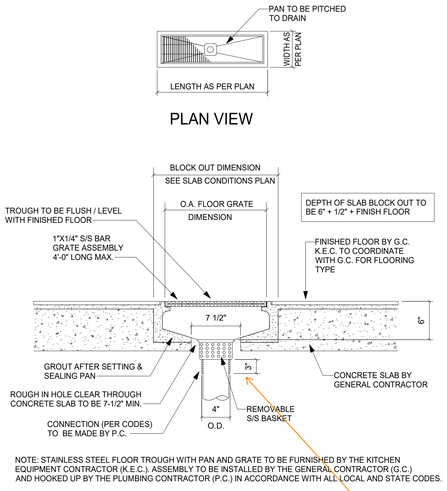
ISSUE CHART

MARK	ISSUE	DATE
Job Number		24127

TITLE
PHASE 1 (AREA - B)
HOOD DETAILS 3 O3
HALTON DOCUMENTS

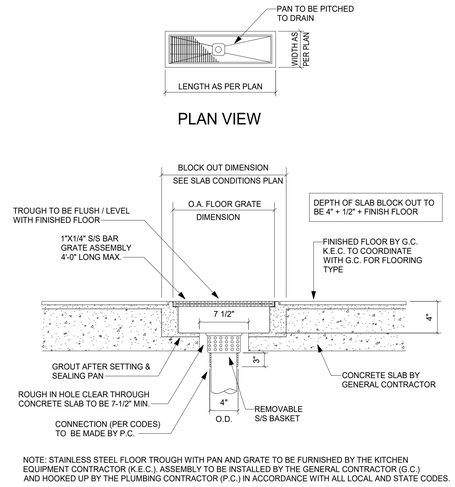
SHEET NUMBER
FS01-B.6.2

4/18/2025 3:14:11 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-B-R25.rvt

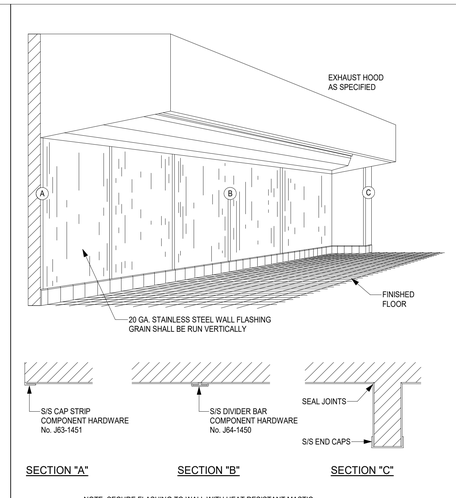


ANTI-SPILL FLOOR TROUGH DETAIL

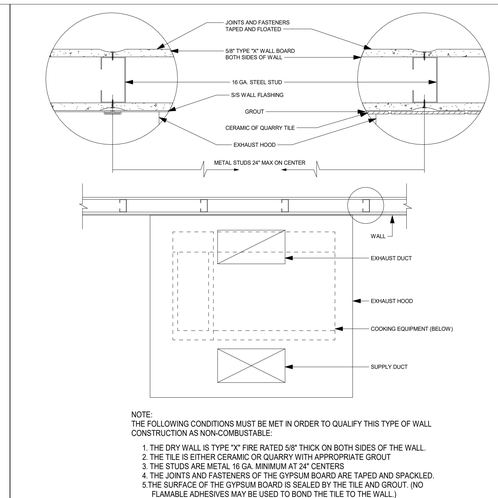
Please address fire-resistant penetration protection by product listing or listed assembly. Typical FS01.B7



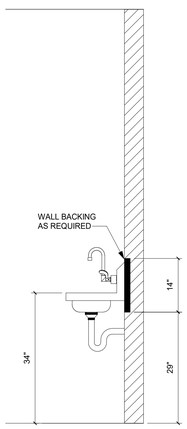
STANDARD FLOOR TROUGH DETAIL



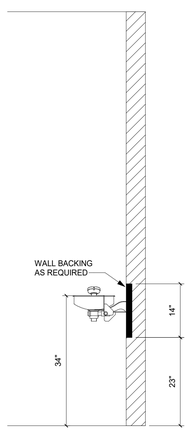
S/S WALL FLASHING DETAIL



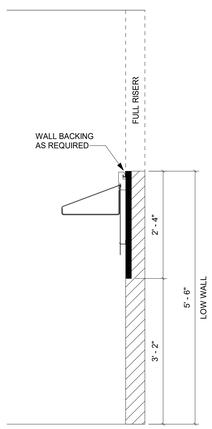
NON-COMBUSTABLE WALL



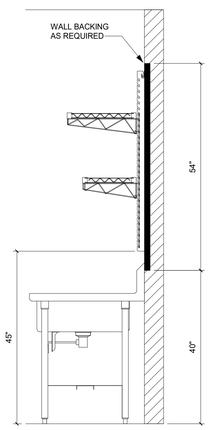
HAND SINK WALL BACKING DETAIL



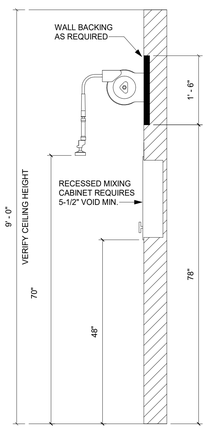
EYE WASH WALL BACKING DETAIL



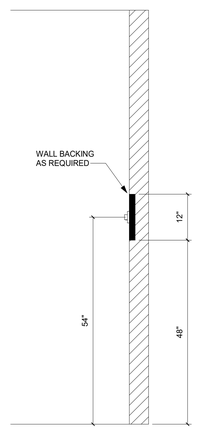
(SHORT WALL) SMART WALL WALL BACKING DETAIL



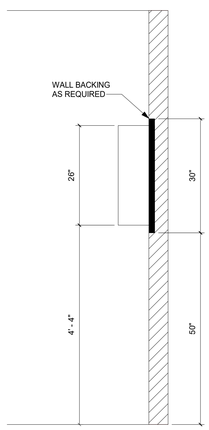
(TALL WALL) SMART WALL WALL BACKING DETAIL



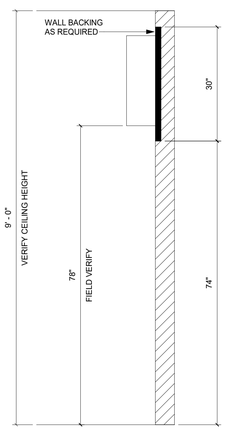
WALL MOUNTED HOSE REEL WALL BACKING DETAIL



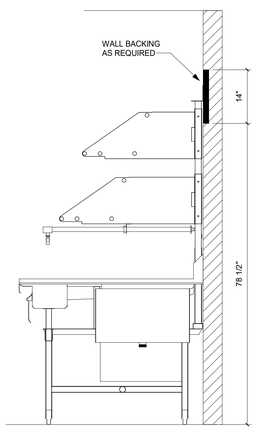
MOP/BROOM RACK WALL BACKING DETAIL



M.A.R.V.E.L. CONTROL PANEL WALL BACKING DETAIL



FIRE SUPPRESSION CABINET WALL BACKING DETAIL



RACK SHELF W/ STORAGE ABOVE WALL BACKING DETAIL

Perkins&Will

1301 5th Ave
#2300, Seattle,
WA 98101
1 +12063816000
www.perkinswill.com

CONSULTANTS

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PHASE 1 PERMIT SET 04/24/2025

MultiCare Good Samaritan Hospital Kitchen
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MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 24127

TITLE

DETAILS AND WALL BACKING DETAILS

SHEET NUMBER

FS01-B.7

4/18/2025 3:14:12 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/FOOD-Multicare-Kitchen-Phase-B-R25.rvt

DAMPER SCHEDULE & LEGEND

TAG	DESCRIPTION	NOTES	TAG	DESCRIPTION	NOTES
FD-1 (1 1/2)	1 1/2 HOUR DYNAMIC FIRE DAMPER: CURTAIN STYLE, VERTICAL OR HORIZONTAL, 165°F FUSABLE LINK, BLADE IN AIR STREAM, 4000 FPM UP TO 24X24 VERTICAL, 2000 FPM ALL OTHERS, UL555, GREENHECK DFD 150 TYPE A OR EQUAL.		SD (S)	SMOKE DAMPER. SEE MOTORIZED DAMPER SCHEDULE.	
BDD (BD)	BACKDRAFT DAMPER: GREENHECK WD 330 (VERT) OR WD-100 (HORIZONTAL) OR EQUAL.		MD (M)	MOTORIZED CONTROL DAMPER. SEE MOTORIZED DAMPER SCHEDULE.	
	VOLUME DAMPER: SHOP FABRICATED, W/LOCKING QUADRANT.		FSD-1 (1 1/2)	1 1/2 HOUR FIRE/SMOKE DAMPER. SEE MOTORIZED DAMPER SCHEDULE.	
RD-1 (RD)	REMOTE OPERATED VOLUME DAMPER: 2000 FPM, UP TO 1" WG, 9V ACTUATOR TO RJ11 REMOTE CONNECTION, GREENHECK RBDR-50		FSD-2 (3)	3 HOUR RATED FIRE SMOKE DAMPER. SEE MOTORIZED DAMPER SCHEDULE.	
RD-2 (RD)	REMOTE OPERATED VOLUME DAMPER: 2000 FPM, UP TO 1" WG, 9V ACTUATOR TO RJ11 REMOTE CONNECTION, GREENHECK RBD-10				

NOTES

MOTORIZED DAMPER SCHEDULE

UNIT NO.	MFR. & MODEL NO.	MOUNTING POSITION	FIRE RATING	LEAKAGE CLASS	ACTUATOR FAIL	ACTUATOR VOLT/PH	CONTROL TYPE	CONTROL BY	NOTES
SD-1	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1
SD-2	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1
SD-3	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1
SD-4	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1
SD-5	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1
SD-6	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1
SD-7	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1
SD-8	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1
MD-1	GREENHECK VCD-23	VERT	-	-	IN-PLACE	24V	2 POSITION	CC	2

NOTES:
1. LIFE-SAFETY MOTORIZED DAMPER
   - TWO POSITION WITH SPRING RETURN
   - OPEN WHEN BLDG IN FIRE ALARM MODE (BY FIRE ALARM CONTRACTOR), NORMALLY (SPRING) OPEN/POWERED CLOSED
   - 120V DAMPER ACTUATOR, MODEL BASED ON TORQUE REQ'S FOR DAMPER SIZE & LOCATED EXTERNAL TO DAMPER SLEEVE (UNO)
   - INTERLOCK WITH FIRE ALARM SYSTEM BY FIRE ALARM CONTRACTOR
   - PROVIDED WITH OPEN/CLOSED INDICATOR
   - EMERGENCY POWER REQUIRED.
   - UL 555S LISTED
2. MOTORIZED CONTROL DAMPER
   - 24V DAMPER ACTUATOR BY CONTROLS CONTRACTOR, LOCATED EXTERNAL TO DAMPER SLEEVE (UNO)

DIFFUSER/GRILLE SCHEDULE

SYMBOL	MANUFACTURER & MODEL NUMBER	SIZE	TYPE	NOTES
A SIZE / CFM	TITUS MCD-3	AS NOTED	T-BAR MOUNT MODULAR CORE DIFFUSER	BORDER TYPE 3, WHITE FINISH
B SIZE / CFM	TITUS MCD-1	AS NOTED	SURFACE MOUNT MOD CORE DIFFUSER	BORDER TYPE 1, WHITE FINISH
C SIZE / CFM	TITUS 350RL	AS NOTED	SURFACE MOUNT RET/EXH GRILLE	BORDER TYPE 1, WHITE FINISH
D SIZE / CFM	TITUS 50F	AS NOTED	T-BAR LAY-IN EGGCRATE (RETURN/EXH)	BORDER TYPE 3, WHITE FINISH

DUCTWORK SCHEDULE

SERVICE / USAGE	LOCATION	MATERIAL	WORKING PRESSURE (IN. WC)	SMACNA PRESSURE CLASS (IN. WC)	SMACNA SEAL CLASS	NOTES
MEDIUM PRESSURE SUPPLY AIR	BETWEEN AHU AND TERMINAL UNITS	GALV. STEEL	2.5	4	A	1
LOW PRESSURE SUPPLY AIR	FROM TERMINAL/FAN COILS UNITS TO GRD'S	GALV. STEEL	1	2	B	1
FLEXIBLE DUCT	CONN TO GRD'S	PREINSUL. FLEX	0.5	RATED +6", -1"	NA	2
RETURN AIR	FROM GRD'S TO AHU & FCU'S	GALV. STEEL	1	2	B	1
TRANSFER AIR	FROM GRD TO GRD	GALV. STEEL	0.05	1	B	1
GENERAL EXHAUST	FROM GRD TO FAN AND AMBIENT	GALV. STEEL	-1	-2	B	1
GREASE EXHAUST	FROM HOOD TO FAN	16 GA WELDED STL	-2	-4	A	4,5
DISHWASHER & POTWASH EXHAUST	FROM HOOD TO FAN	STAINLESS STEEL	-1	-2	A	5,6

DUCTWORK INSULATION SCHEDULE

SERVICE	LOCATION	INSULATION TYPE	THICKNESS	R-VALUE	NOTES
OUTDOOR AIR ≥ 2800 CFM	CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	WRAP	6"	R-16	9
OUTDOOR AIR ≥ 2800 CFM	CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER	WRAP	3"	R-8	9
OUTDOOR AIR < 2800 CFM	CONDITIONED SPACE	WRAP	3"	R-7	9
SUPPLY OR RETURN AIR	OUTSIDE OF THE BUILDING	LINING	2"	R-8	10,11
SUPPLY OR RETURN AIR	UNCONDITIONED SPACE OUTSIDE OF THE CONDITIONED BUILDING ENVELOPE	LINING OR WRAP	2"	R-6	10
SUPPLY OR RETURN AIR	UNCONDITIONED SPACE AND CONVEYING AIR WITHIN 15 DEG F OF SPACE TEMPERATURE (I.E. SUPPLY OR RETURN AIR PLENUMS)	WRAP	1"	R-3.3	9
SUPPLY AIR	CONDITIONED SPACE AND CONVEYING AIR LESS THAN 55F OR GREATER THAN 105F	WRAP	1"	R-3.3	9
SUPPLY AIR	CONDITIONED SPACE AND CONVEYING AIR BETWEEN 55F AND 105F	NONE	NONE	NONE	
RETURN, RELIEF OR EXHAUST AIR	CONDITIONED SPACE, DOWNSTREAM OF ENERGY RECOVERY AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	WRAP	3"	R-8	9
RETURN, RELIEF OR EXHAUST AIR	CONDITIONED SPACE, DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER	WRAP	6"	R-16	9
EXHAUST AIR	CONDITIONED SPACE, UPSTREAM OF ENERGY RECOVERY DEVICE OR AUTOMATIC SHUTOFF DAMPER	NONE	NONE	NONE	
EXHAUST AIR	UNCONDITIONED SPACE OUTSIDE OF THE CONDITIONED BUILDING ENVELOPE, UPSTREAM OF ENERGY RECOVERY DEVICE	LINING OR WRAP	2"	R-6	10
EXHAUST AIR	OUTSIDE OF THE BUILDING, UPSTREAM OF ENERGY RECOVERY DEVICE	LINING	2"	R-8	10,11

NOTES:
1. SHEET METAL GAUGES AND FITTINGS PER SMACNA AND MACDONALD-MILLER DUCT CONSTRUCTION STANDARDS.
2. THERMAFLEX "GKM" OR EQUAL, WITH 12 FOOT MAXIMUM LENGTH.
3. INSTALL PER MFG. GUIDELINES AND INSTRUCTIONS.
4. UL 300 HOOD TO BE PROVIDED IN KITCHEN BY KITCHEN CONSULTANT. DUCTWORK SPRINKLERS NOT REQUIRED.
5. SLOPE AT 1/4" PER FOOT BACK TO SOURCE.
6. SEAMS TO BE CAULKED OR WELDED TO PREVENT CONDENSATION FROM LEAKING THROUGH.
7. INSULATE ONLY SINGLE WALL METALIC DUCT IN ACCESSIBLE LOCATIONS UP TO 7' AFF.
8. DUCT SYSTEMS GREATER THAN 3" WC SHALL BE LEAK TESTED IN ACCORDANCE WITH WSEC C403.10.2.3
9. WRAP INSULATION WEIGHT = 0.75 PCF
10. WRAP INSULATION WEIGHT = 1 PCF
11. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE INCLUDING THAT DUE TO SUNLIGHT, MOISTURE, EQUIPMENT MAINTENANCE AND WIND, AND SHALL PROVIDE SHIELDING FROM SOLAR RADIATION THAT CAN CAUSE DEGRADATION OF THE MATERIAL.

GENERAL NOTES:

- INSULATION THICKNESS SHOWN ABOVE IS EQUAL TO TOTAL MINIMUM REQUIRED R-VALUE. ALTERNATE INSULATION WITH EQUAL R-VALUE IS ALLOWED.
- All CONCEALED DUCTWORK TO BE PER MMFS EXPOSURE 0 (SEALANT, LABELS AND OTHER ITEMS VISIBLE ON OUTSIDE OF DUCTWORK. MAY HAVE SCRATCHES AND MINOR DENTS).
- All INTERIOR EXPOSED DUCTWORK WITHIN OCCUPIED AREAS TO BE PER MMFS EXPOSURE 1 (NO VISIBLE SEALANT, LABELS, DENTS OR WRITING. EXTERIOR WELDS CLEANED AND PAINTED).

Please provide fire rating overlay for partitions, smoke barriers etc on mechanical plans. Minimum on overall phase plan and sheets with dampers or other fire rating penetration.

MECHANICAL GENERAL ABBREVIATIONS

ABBR	FULL NAME	ABBR	FULL NAME	ABBR	FULL NAME
AC	AIR CONDITIONING UNIT	EWT	ENTERING WATER TEMPERATURE	NO	NORMALLY OPEN
AFF	ABOVE FINISHED FLOOR	FCU	FAN COIL UNIT	NOM	NOMINAL
AHU	AIR HANDLING UNIT	FD	FIRE DAMPER	NTS	NOT TO SCALE
AL	ALUMINUM	FLA	FULL LOAD AMPS	OBD	OPPOSED BLADE DAMPER
BAS	BUILDING AUTOMATION SYSTEM	FOB	FLAT ON BOTTOM	OD	OUTSIDE DIMENSION
BDD	BACK DRAFT DAMPER	FOT	FLAT ON TOP	POC	POINT OF CONNECTION
BI	BLACK IRON	FSD	FIRE SMOKE DAMPER	PRV	PRESSURE REDUCING VALVE
BOD	BOTTOM OF DUCT	GALV	GALVANIZED	PVC	POLYVINYL CHLORIDE
BOD	BOTTOM OF DUCT	GALV	GALVANIZED	PVC	POLYVINYL CHLORIDE
BOTT	BOTTOM	GC	GENERAL CONTRACTOR	REQ'D	REQUIRED
BTU	BRITISH THERMAL UNITS	GENX	GENERATOR EXHAUST	RPBA	REDUCED PRESSURE BACKFLOW ASSY
BTUH	BRITISH THERMAL UNITS PER HOUR	GLVNL	GALVANNEAL	RTU	ROOFTOP UNIT
CAT1	CATEGORY ONE VENT	GPM	GALLONS PER MINUTE	SA	SUPPLY AIR
CAT4	CATEGORY FOUR VENT	GREASE	GREASE DUCT	SD	SMOKE DAMPER
CFM	CUBIC FEET PER MINUTE	GWB	GYPSUM WALL BOARD	SL	SOUND LINED
CPVC	CPVC MATERIAL	HP	HORSE POWER, HEAT PUMP	SM	SHEET METAL
DB	DUCTBOARD	HVAC	HEATING, VENTILATION AND AIR COND.	SP	STATIC PRESSURE
DDC	DIRECT DIGITAL CONTROLS	HX	HEAT EXCHANGER	SS	STAINLESS STEEL
DEMO	DEMOLISH	ID	INSIDE DIMENSION	SUSP	SUSPENDED
DP	DIFFERENTIAL PRESSURE	LAT	LEAVING AIR TEMPERATURE	T	THERMOSTAT
DPM	DIFFERENTIAL PRESSURE MONITOR	LBS	POUNDS	TOD	TOP OF DUCT
DIFF	DIFFUSER	LWT	LEAVING WATER TEMPERATURE	TV	TURNING VANES
DMPR	DAMPER	MAT	MIXED AIR TEMPERATURE	TYP	TYPICAL
DN	DOWN	MBH	ONE THOUSAND BTUH	UNO	UNLESS NOTED OTHERWISE
E	EXISTING	MCA	MINIMUM CIRCUIT AMPACITY	VAV	VARIABLE AIR VOLUME
EAT	ENTERING AIR TEMPERATURE	MD	MOTORIZED DAMPER	VD	VOLUME DAMPER
EC	EGGCRATE	MIN	MINIMUM	VFD	VARIABLE FREQUENCY DRIVE
EER	ENERGY EFFICIENCY RATIO	MFR	MANUFACTURER	W	DUCT INSULATION WRAP
EF	EXHAUST FAN	M-M	MACDONALD-MILLER	W/	WITH
ELEV	ELEVATION	NC	NORMALLY CLOSED	WELD	WELDED
ESP	EXTERNAL STATIC PRESSURE	NIC	NOT IN CONTRACT	Ø	VOLTAGE PHASE & DUCT DIAMETER

PIPING SYSTEM ABBREVIATIONS

ABBR	FULL NAME	ABBR	FULL NAME	ABBR	FULL NAME
C	CONDENSATE INDIRECT DRAIN	GLWR	GLYCOL WATER RETURN	NGV	NATURAL GAS VENT
CA	AIR COMPRESSED	GLWS	GLYCOL WATER SUPPLY	PA	AIR PNEUMATIC
CDWR	CONDENSER WATER RETURN	HHWR	HEATING HOT WATER RETURN	PC	CONDENSATE PUMPED
CDWS	CONDENSER WATER SUPPLY	HHWS	HEATING HOT WATER SUPPLY	PCHR	CHILLED WATER (PROCESS) RETURN
CHRV	CHILLER RELIEF VENT	HPC	STEAM CONDENSATE HIGH PRESS	PCHS	CHILLED WATER (PROCESS) SUPPLY
CHWR	CHILLED WATER RETURN	HPS	STEAM HIGH PRESS	RGAS	REFRIGERANT HOT GAS
CHWS	CHILLED WATER SUPPLY	HRR	HEAT RECOVERY RETURN	RLIQ	REFRIGERANT LIQUID
CLN STM	STEAM CLEAN	HRS	HEAT RECOVERY SUPPLY	RSUC	REFRIGERANT SUCTION
CLR	CLOSED LOOP WATER RETURN	LPC	STEAM CONDENSATE LOW PRESS	SCHR	CHILLED WATER (SECONDARY) RETURN
CLS	CLOSED LOOP WATER SUPPLY	LPG	LIQUID PROPANE	SCHS	CHILLED WATER (SECONDARY) SUPPLY
COMB-PVC	AIR COMBUSTION PVC	LPS	STEAM LOW PRESS	SCV	STEAM CONDENSATE VENT
CRYV	CRYO VENT	LTCR	CHILLED WATER (LOW TEMP) RETURN	SPC	STEAM CONDENSATE PUMPED
DTWS	DUAL TEMP WATER SUPPLY	LTCS	CHILLED WATER (LOW TEMP) SUPPLY	SV	STEAM VENT
DTWR	DUAL TEMP WATER RETURN	MPC	STEAM CONDENSATE MEDIUM PRESS	VAC	VACUUM
FOC	FUEL OIL SECONDARY CONTAINMENT	MPS	STEAM MEDIUM PRESS	VAC-E	VACUUM EXHAUST
FOF	FUEL OIL FILL	MUW	MAKE-UP WATER	VRFG	VRF HOT GAS
FOR	FUEL OIL RETURN	NG-CONDUIT	NATURAL GAS CONDUIT	VRFL	VRF HIGH PRESS LIQUID
FOS	FUEL OIL SUPPLY	NG-H	NATURAL GAS HIGH PRESS	VRFS	VRF LOW PRESS SUCTION
FOV	FUEL OIL VENTS	NG-L	NATURAL GAS LOW PRESS		
GENX	GENERATOR EXHAUST	NG-M	NATURAL GAS MEDIUM PRESS		

HVAC SYSTEM ABBREVIATIONS

ABBR	FULL NAME	ABBR	FULL NAME	ABBR	FULL NAME
COMB-GALV	COMBUSTION AIR	EA AL	EXHAUST ALUMINUM	OA	OUTSIDE AIR
SA	SUPPLY AIR LP	EA SS	EXHAUST SS 304	OA-KOOL	OUTSIDE AIR KOOLDUCT
SA-KOOL	SUPPLY AIR LP KOOLDUCT	EA AL WELD	EXHAUST ALUMINUM WELDED	RLF	RELIEF AIR
SA AL	SUPPLY AIR LP ALUMINUM	EA GALV WELD	EXHAUST GALV WELDED	RA	RETURN AIR
SA SS	SUPPLY AIR LP SS 304 2B	EA GLVNL WELD	EXHAUST GALVANNEAL WELDED	DB	DUCTBOARD
SA AL WELD	SUPPLY AIR LP ALUMINUM WELDED	EA SS WELD	EXHAUST SS 304 WELDED	FLU-CAT1	FLUE VENT - CATEGORY 1
SA GALV WELD	SUPPLY AIR MP GALV WELDED	EA BI GREASE	EXHAUST GREASE BLACK IRON WELD	FLU-CAT4	FLUE VENT - CATEGORY 4
SA GLVNL WELD	SUPPLY AIR MP GALVANNEAL WELD	EA GALV GREASE	EXHAUST GREASE GALV WELDED	FLU-CPVC	FLUE VENT - CPVC MATERIAL
SA SS WELD	WELDED SUPPLY AIR LP SS 304 2B	EA GALV SS GREASE	EXHAUST GREASE SS 304 WELDED	FLU-SS	FLUE VENT - SHOP BUILT SS 304
EA	EXHAUST AIR	MUA	MAKE-UP AIR	FLU-GALV	FLUE VENT - SHOP BUILT GALV

PIPING SYMBOL LEGEND

SYMBOL	FULL NAME	ABBR	SYMBOL	FULL NAME	ABBR
	VALVE TWO-WAY CONTROL	2WAY	BTU	METER BTU	BTU MTR
	VALVE THREE-WAY CONTROL	3WAY	M	SUB-METER WATER FLOW	MTR
AF	VALVE AUTOMATIC FLOW CONTROL	AF		PRESSURE / TEMPERATURE PORT	P&T
	VALVE BALANCING	BALV	DP	SENSOR PRESSURE DIFFERENTIAL	DP
	VALVE BALANCING AUTOMATIC	ABALV		STRAINER	STRN
	VALVE BALL - FULL PORTED	BV		SUCTION DIFFUSER	SUC DIFF
	VALVE BALL - W/ 3/4" HOSE ADAPTOR	BV W/ HA		UNION	UNION
	VALVE BUTTERFLY	BFV		HOSE BIBB	HB
	VALVE BUTTERFLY - W/ MEMORY STOP	BFVM		PIPE BREAK - PIG TAIL	
	VALVE CHECK	CV		POINT OF CONNECTION	POC
	VALVE CIRCUIT SETTER	CS		CONCENTRIC REDUCER	CR
	VALVE GAS COCK	GC		ECCENTRIC REDUCER	ER
	VALVE GATE	GV	6" CHWS	PIPE - EXISTING	
	VALVE GLOBE	GLV		PIPE - DEMO	
	VALVE PRESSURE REDUCING	PRV	6" CHWS	PIPE - NEW	
	VALVE PRESSURE RELIEF	RV	6" CHWS	PIPE - FUTURE	
S	VALVE SOLENOID	SV	6" CHWS	PIPE - SIZE & ABBREVIATION	
	AUTOMATIC AIR VENT	AV	6" CHWS-W	PIPE - SIZE & ABBREVIATION WITH INSULATION	
	MANUAL AIR VENT	MAV		THERMAL EXPANSION DEVICE	EXP
	WATER HAMMER ARRESTOR	WHA		FLEXIBLE CONNECTION	
	DOUBLE CHECK BACKFLOW PREVENTER	DCBP		FLEXIBLE PIPE	
	REDUCED PRESS. BACKFLOW PREVENTER	RPBP		PIPE - HEAT TRACE	
	BULB WELL	BW		PUMP	
	FLOW DIRECTION ARROW			AIR SEPARATOR	AIR SEP
P	PRESSURE INDICATOR	PRESS		CHEMICAL POT FEEDER	CPOT
S	SENSOR	SNSR		HEAT EXCHANGER	HTX
	TEMPERATURE INDICATOR	THERM		EXPANSION TANK	ET

HVAC SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
14x12 SA	BARE RECTANGULAR SHEETMETAL		RECTANGULAR SIDE-WALL GRILLE WITH / WITHOUT OBD
14x12 SA-SL	SOUNDLINE SHEETMETAL (GENERAL NOTES)		SUPPLY DUCT UP/DOWN
14x12 SA-W	SHEETMETAL W/ INSULATION (GENERAL NOTES)		EXHAUST DUCT UP/DOWN
12ø SA	BARE ROUND SHEETMETAL		RETURN DUCT UP/DOWN
12ø SA-W	ROUND SHEETMETAL W/ INSULATION (GENERAL NOTES)		SUPPLY AIR TERMINAL RECTANGULAR AND SQUARE
14x12ø SA	OVAL SHEETMETAL W/ INSULATION (GENERAL NOTES)		RETURN AIR TERMINAL RECTANGULAR AND SQUARE
14x12ø SA-W	EXAMPLE OF EXISTING		EXHAUST AIR TERMINAL RECTANGULAR AND SQUARE
14x12 SA	EXAMPLE OF EXISTING		SUPPLY AIR SLOT DIFFUSER
	EXAMPLE OF DEMO		RETURN AIR SLOT DIFFUSER
14x12 SA	EXAMPLE OF NEW		EXHAUST AIR SLOT DIFFUSER
14x12 SA	EXAMPLE OF FUTURE (NIC)		POINT OF CONNECTION
14x12 SA-Q	EXPOSED QUALITY SHEETMETAL		CENTER LINE
14x12 SA-C	CLEANROOM QUALITY DUCTWORK	T	THERMOSTAT
14x12 SA-DB	DUCTBOARD (1" FIBERGLASS)	CO	CARBON MONOXIDE SENSOR
	CONTINUATIION OF ROUND DUCT	NO2	NITROGEN DIOXIDE SENSOR
	CONTINUATION OF RECTANGULAR DUCT	H	HUMIDITY SENSOR
	AIR FLOW IN SYMBOL	S	OTHER SENSOR
	AIR FLOW OUT SYMBOL	SD	SMOKE DETECTOR
AHU-001	MECHANICAL EQUIPMENT TAG	$	ELECTRICAL SWITCH
1	KEYED NOTE		MITERED ELBOW WITH TURNING VANES
	ACCESS DOORS	- -	DOUBLE NEGATIVE PRESSSURE
	RATED ENCLOSURE	+ +	DOUBLE POSITIVE PRESSSURE
14ø 14ø	FLEX DUCT	NEUT	NEUTRAL PRESSSURE
24ø	EQUIPMENT FLEX ROUND CONNECTOR	-	SINGLE NEGATIVE PRESSSURE
24x24	EQUIPMENT FLEX RECTANGULAR CONNECTOR	+	SINGLE POSITIVE PRESSSURE
	VOLUME DAMPER / REMOTE DAMPER	DPM	DIFFERENTIAL PRESSURE MONITOR
	RADIAL AIR TERMINAL		DPM SENSOR SYMBOL
	T-BAR LAY-IN METAL EGGCRATE (RETURN/EXH)		ROOM AIRFLOW ARROW

HVAC GENERAL NOTES - 2021 WSEC

1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET WHICH MAY BE REQUIRED. THE HVAC CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.
2. MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE 2021 EDITIONS OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE 2021 WSEC, AND LOCAL CODES AND ORDINANCES.
3. ALL DUCT SIZE ANNOTATIONS REPRESENT ACTUAL OUTSIDE DIMENSIONS OF THE SHEET METAL (UNO). IF APPLICABLE, INTERIOR INSULATION WILL NEED TO BE ACOUNTED FOR WHEN DETERMINING ACTUAL DUCT FREE AREA. SEE DUCTWORK INSULATION SCHEDULE FOR ADDITIONAL SPACE REQUIRED FOR EXTERIOR (WRAP) INSULATION.
4. DUCT CONSTRUCTION AND HANGING SHALL COMPLY WITH CHAPTER 6 OF THE 2021 IMC AND WITH CURRENT SMACNA STANDARDS. EARTHQUAKE BRACE ALL DUCTS 28" DIA AND LARGER WHICH ARE SUSPENDED MORE THAN 12" BELOW STRUCTURAL SYSTEM.
5. JOINTS OF MEDIUM AND HIGH VELOCITY DUCT SYSTEMS SHALL BE SEALED WITH GASKETS OR LISTED MASTIC TYPE DUCT SEALANT.
6. DUCTS SHALL BE INSULATED AS INDICATED ON PLANS, PER 2021 WASHINGTON STATE ENERGY CODE, COMMERCIAL PROVISIONS. SEE DUCTWORK INSULATION SCHEDULE.

   - ACOUSTICAL SOUND LINING, WHERE INDICATED, SHALL BE 1" FIBER-FREE DUCT LINING.
7. FLEX DUCTS SHALL CONSIST OF A REINFORCED VAPOR BARRIER, 1 1/2" FIBERGLASS INSULATION, AND NON-PERFORATED INTERIOR LINER WITH WIRE HELIX. DUCT SHALL BE A UL 181 LISTED CLASS 1 AIR DUCT. FLEX DUCTS SHALL ONLY BE USED WHERE SHOWN AND SHALL NOT EXCEED 12' IN LENGTH UNLESS NOTED OTHERWISE.
8. PROVIDE EARTHQUAKE RESTRAINT FOR HVAC EQUIPMENT IN ACCORDANCE WITH SECTION 1613 OF THE 2021 IBC.
9. PROVIDE FIRE DAMPERS, SMOKE DAMPERS AND FIRE/SMOKE DAMPERS WHERE INDICATED ON PLANS AND AS REQUIRED BY SECTION 717.5 OF THE 2021 IBC AND SECTION 607.5 OF THE 2021 IMC. PROVIDE CEILING FIRE DAMPERS WHERE INDICATED ON PLANS AND AS REQUIRED BY SECTION 717.6 OF THE 2021 IBC AND SECTION 607.6 OF THE 2021 IMC. INSTALL FIRE DAMPERS SMOKE DAMPERS AND FIRE/SMOKE DAMPERS IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS, THE TERMS OF THEIR LISTING, AND THE REQUIREMENTS OF THE CODE.
10. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOORS SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
11. PROVIDE RETURN DUCT SMOKE DETECTOR AUTOMATIC SHUT DOWN OF ALL NEW HEATING, COOLING, OR VENTILATION EQUIPMENT MOVING IN EXCESS OF 2000 CFM IN ACCORDANCE WITH SECTION 606 OF THE 2021 IMC. POWER AND INTERLOCK WIRING WITH THE BUILDING FIRE ALARM SYSTEM IS BY THE ELECTRICAL CONTRACTOR. BAS TO MONITOR FIRE ALARM CONTROL PANEL AND SHUT DOWN ALL FAN TERMINAL UNITS DURING ANY BUILDING FIRE ALARM EVENT, IN ACCORDANCE WITH 2021 IMC 606.2.2.
12. HVAC EQUIPMENT, VALVES AND DAMPERS SHALL BE LOCATED IN EASILY ACCESSIBLE LOCATIONS. UNLESS SHOWN ON ARCHITECTURAL DRAWINGS, REQUIRED ACCESS PANELS SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. MINIMUM ACCESS DOOR SIZE FOR VALVES AND DAMPERS TO BE 18" X 18".
13. MOTORS STARTERS NOT LISTED AS BEING PROVIDED IN THE HVAC EQUIPMENT SCHEDULES ARE TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
14. WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION TO BE PROVIDED TO THE BUILDING OWNER. RECORD DRAWINGS SHALL INCLUDE AS A MINIMUM THE LOCATION AND PERFORMANCE DATA ON EACH PIECE OF EQUIPMENT, GENERAL CONFIGURATION OF DUCT AND PIPE DISTRIBUTION SYSTEM, INCLUDING SIZES, AND THE TERMINAL AIR AND WATER DESIGN FLOW RATES.
15. OPERATING AND MAINTENANCE MANUALS TO BE PROVIDED TO THE BUILDING OWNER THAT INCLUDE: SUBMITTAL DATA, NAMES AND ADDRESSES OF AT LEAST ONE SERVICE AGENCY, HVAC CONTROLS SYSTEM MAINTENANCE AND CALIBRATION INFORMATION AND A COMPLETE OPERATIONAL NARRATIVE FOR EACH SYSTEM.
16. COMMISSIONING IS REQUIRED ON THIS PROJECT IN ACCORD WITH 2021 WASHINGTON STATE ENERGY CODE (WSEC), COMMERCIAL PROVISIONS AND SECTION C408. SEE SCHEDULED COMMISSINING AND BALANCING SCHEDULE FOR FURTHER DETAIL.
17. A COMPLETE REPORT OF TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER
18. DAMPERS USED FOR OUTDOOR AIR INTAKE, EXHAUST, OR RELIEF SHALL HAVE THE FOLLOWING MAXIMUM LEAKAGE RATES AT 1" W.G. (PER AMCA STANDARD 500D): MOTORIZED DAMPERS: 4 CFM/S.F. GRAVITY DAMPERS: 20 CFM/S.F. (40 CFM/S.F. FOR DAMPERS SMALLER THAN 24" IN EITHER DIMENSION) PER 2021 WSEC C403.7.8.3.
19. OUTSIDE AIR INTAKE, EXHAUST, AND RELIEF DAMPERS SERVING CONDITIONED SPACES MUST BE MOTORIZED (FAIL CLOSED) PER 2021 WSEC SECTION C403.7.8. EXCEPT AS ALLOWED BY WSEC.
20. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723, EXCEPT AS NOTED IN SECTION 602.2.1 OF THE 2021 IMC.
21. ALL MECHANICAL WORK SHOWN ON DRAWINGS INTENDED TO BE INSTALLED SOLELY BY MACDONALD -MILLER FACILITY SOLUTIONS. MACDONALD-MILLER FACILITY SOLUTIONS SHALL NOT BE HELD ACCOUNTABLE FOR ANY DESIGN OR CONSTRUCTION DEFICIENCIES IF WORK IS PERFORMED BY AN OUTSIDE PARTY.

LEGAL DESCRIPTION

PARCEL NUMBER: 9810000015

LEGAL DESCRIPTION:

Section 34 Township 20 Range 04 Quarter 23 WOODS 1ST CANNOT BE SOLD OR SUBD WITHOUT 001-4 & 001-6 LOT 1 OF BLA 2010-06-15-5001 DESC AS BEG AT A PT 30 FT E & 151.05 FT N OF INTER OF 15TH AV SE & 3RD ST SE TH N 322.08 FT TH N 305.27 FT TH E 692.45 FT TH S 78 DEG 58 MIN 52 SEC E 0.44 FT TH S 49.97 FT TH E 40.98 FT TH S 43.29 FT TH N 41.04 FT TH S 181.78 FT TH W 30 FT TH S 196.6 FT TO BEG CURVE CONCAVE TO NW HAVING A RAD OF 19.5 FT & C/A OF 59 DEG 50 MIN 20 SEC & BEING SUBTENDED BY A CHORD WHICH BEARS S 56 DEG 53 MIN 06 SEC W 19.45 FT TH SWLY & WLY ALG SD CURVE 20.37 FT TO PT OF REVERSE CURV TH WLY & SWLY & SLY 90.9 FT CONCAVE TO SE HAVING A RAD OF 60.5 FT & C/A OF 86 DEG 05 MIN 15 SEC TH S 3.26 FT TH SLY, SWLY & WLY 14.92 FT ALG CURVE CONCAVE TO NW HAVING A RAD OF 9.5 FT & C/A OF 89 DEG 59 MIN 59 SEC TH W 107.24 FT TO BEG OF CURVE CONCAVE TO NW HAVING A RAD OF 55.98 FT & C/A OF 81 DEG 57 MIN 04 SEC & BEING SUBTENDED BY CHORD WHICH BEARS S 49 DEG 34 MIN 17 SEC W 73.42 FT TH SLY, SWLY & WLY ALG SD CURVE 80.07 FT TH W 6.43 FT TH S 131.8 FT TH SLY & SELY 14.27 FT ALG SD CURVE CONCAVE TO E HAVING A RAD OF 25 FT & C/A OF 32 DEG 42 MIN 11 SEC TH N 88 DEG 06 MIN 01 SEC W 77.46 FT TO BEG OF CURVE CONCAVE TO N HAVING A RAD OF 40 FT & A C/A OF 43 DEG 31 MIN 52 SEC & BEING SUBTENDED BY CHORD WHICH BEARS S 70 DEG 08 MIN 03 SEC W 29.66 FT TH SWLY & WLY ALG SD CURVE 30.39 FT TH N 88 DEG 06 MIN 01 SEC W 238.87 FT TO BEG OF A CURVE CONCAVE TO NE HAVING A RAD OF 63 FT & A C/A OF 65 DEG 47 MIN 29 SEC & BEING SUBTENDED BY CHORD WHICH BEARS N 48 DEG 11 MIN 19 SEC W 68.43 FT TH WLY, NWLY & NLY ALG SD CURVE 72.34 FT TH N 12 DEG 28 MIN 32 SEC W 81.31 FT TO POB EXC THAT POR DETER TAXABLE & THAT POR DETER EXEMPT PER DOR REG # 09663-004 TOG/W VAC ORD 2958 EASE OF RECORD OUT OF 04-20-34-2-019, 981000-001-3, 055-0, 056-0, 059-0, 060-0, 061-0, 062-0 SEG 2011-0091 BB 10/11/10 BB DC00354165 5/2/2014 KG

MECHANICAL SCOPE OF WORK

PROJECT IS A TWO PHASE TENANT IMPROVEMENT WITH THE PURPOSE OF UPGRADING THE FACILITIES KITCHEN AND FOOD PREPARATION CAPABILITIES.

THIS SET OF DRAWINGS INCLUDES THE PHASE 1 PERMIT INFORMATION. ADDITIONAL INFORMATION SHOWN GREYED-OUT IS FOR REFERENCE ONLY AND IS NOT PART OF THIS PHASE 1 PERMIT SUBMISSION.

PHASE 1:
INSTALLATION OF NEW DUCTWORK, HEATING WATER PIPING, GRILLES AND DIFFUSERS PER DRAWINGS. INSTALLATION OF NEW ROOFTOP MAKEUP AIR UNIT, GREASE HOOD EXHAUST FAN, DISHWASHER EXHAUST FAN, POTWASH EXHAUST FAN, AND GENERAL KITCHEN EXHAUST FAN. INSTALLATION OF NEW HVAC SHAFTS, DUCTWORK, AND TERMINAL UNITS PER DRAWINGS. DEMOLITION OF EXISTING HVAC SYSTEMS PER DRAWINGS.

PHASE 2:
INSTALLATION OF DUCTWORK, GRILLES AND DIFFUSERS PER DRAWINGS. INSTALLATION OF NEW GREASE DUCT AND MAKEUP AIR DUCT USING EXISTING HVAC SHAFTS AND FANS. INSTALLATION OF NEW AND REUSED TERMINAL UNITS. DEMOLITION OF EXISTING HVAC SYSTEMS PER DRAWINGS.

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DRAWING SHEET INDEX PHASE 1 - HVAC

NUMBER	TITLE
TM0.01	SCHEDULES - MECHANICAL
TM0.02	SCHEDULES - MECHANICAL
DM2.01	LEVEL 01 OVERALL DEMOLITION FLOOR PLAN - MECHANICAL
DM2.01A	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA A - MECHANICAL
DM2.01B	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA B - MECHANICAL
DM2.01C	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 2 AREA C - MECHANICAL
DF2.01A	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA A - FITTING
DF2.01B	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA B - FITTING
TM2.01	LEVEL 01 OVERALL FLOOR PLAN - MECHANICAL
TM2.01A	LEVEL 01 FLOOR PLAN - PHASE 1 AREA A - MECHANICAL
TM2.01B	LEVEL 01 FLOOR PLAN - PHASE 1 AREA B - MECHANICAL
TM2.01C	LEVEL 01 FLOOR PLAN - PHASE 2 AREA C - MECHANICAL
TF2.01A	LEVEL 01 FLOOR PLAN - PHASE 1 AREA A - FITTING
TF2.01B	LEVEL 01 FLOOR PLAN - PHASE 1 AREA B - FITTING
TM2.02	LEVEL 02 FLOOR PLAN - PHASE 1 - MECHANICAL
TM2.03	LEVEL 03 FLOOR PLAN - PHASE 1 - MECHANICAL
TM2.04	LEVEL 04 FLOOR PLAN - PHASE 1 - MECHANICAL
TM2.05	LEVEL 05 FLOOR PLAN - PHASE 2 - MECHANICAL
TM3.01	LEVEL 01 SMOKE CONTROL FLOOR PLAN - MECHANICAL
TM4.01	AIRFLOW DIAGRAMS - PHASE 1 - MECHANICAL
TM4.02	AIRFLOW DIAGRAMS - PHASE 2 - MECHANICAL
TM6.01	DETAILS - MECHANICAL

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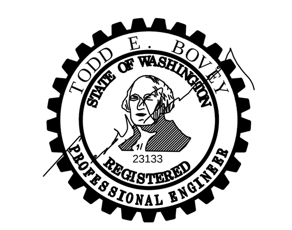

04/18/2025

PHASE 1 PERMIT SET 04/24/2025

MultiCare Good Samaritan Hospital Kitchen

401 15th Ave SE,
Puyallup,
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE

SCHEDULES - MECHANICAL

SHEET NUMBER

TM0.01

ROOM CONDITIONING SCHEDULE

ROOM DATA					ASHRAE 170 REQUIREMENTS						DESIGN								
NAME	CODE SIMILAR	FLOOR AREA (SF)	HEIGHT (FT)	ROOM VOLUME (CUFT)	PRESSURE TO ADJACENT SPACE	MIN OUTSIDE ACH	MIN TOTAL ACH	100% EXHAUST	HUMIDITY (%RH)	ROOM TEMP (°F)	PRESSURE TO ADJACENT SPACE	OUTSIDE ACH	MIN OUTSIDE AIRFLOW (CFM)	TOTAL ACH	SUPPLY AIR (CFM)	RETURN AIR (CFM)	EXHAUST AIR (CFM)	HUMIDITY (%RH)	ROOM TEMP (°F)
PHASE 0 AREAS																			
TEMP LINEN STORAGE	CLEAN LINEN STORAGE	838	7.75	6495	POSITIVE	NR	2	NR	NR	72-78	POSITIVE	2.3	250	2.3	250	0	250	NR	72-78
TEMP DRY STORAGE	FOOD AND SUPPLY STORAGE	1380	7.75	10695	NR	NR	2	NR	NR	72-78	NR	2.1	370	2.1	370	0	370	NR	72-78
PHASE 1 AREAS																			
DRY STORAGE	FOOD AND SUPPLY STORAGE	976	7.75	7564	NR	NR	2	NR	NR	72-78	NR	4.8	600	4.8	600	0	600	NR	72-78
PREP AREA	FOOD PREPERATION AREAS	474	7.75	3674	NR	2	10	NR	NR	72-78	NR	18.3	1120	18.3	1120	0	1120	NR	72-78
COOK AREA RIGHT	FOOD PREPERATION AREAS	445	7.75	3449	NR	2	10	NR	NR	72-78	NR	44.5	2560	55.8	2560	0	3205	NR	72-78
COOK AREA LEFT	FOOD PREPERATION AREAS	850	7.75	6588	NR	2	10	NR	NR	72-78	NR	45.4	4985	45.4	4985	0	4730	NR	72-78
JANITOR CLOSET	ENVIRONMENTAL SERVICES	72	7.75	558	NEGATIVE	NR	10	YES	NR	NR	NEGATIVE	0.0	0	16.1	0	0	150	NR	NR
WAREWASH	WAREWASH	988	7.75	7657	NEGATIVE	NR	NR	YES	NR	NR	NEGATIVE	30.6	3900	31.7	3900	0	4045	NR	NR
TUBE FEEDING STORAGE	FOOD AND SUPPLY STORAGE	138	7.75	1070	NR	NR	2	NR	NR	72-78	NR	2.8	50	2.8	50	0	0	NR	72-78
EVS BREAKROOM	OFFICE BREAKROOM	1230	7.75	9533	NR	NR	NR	NR	NR	NR	NR	5.5	875	5.5	875	0	870	NR	NR
EVS SUPERVISOR OFFICE	OFFICE	141	7.75	1093	NR	NR	NR	NR	NR	NR	NR	7.7	140	7.7	140	0	140	NR	NR
EVS PRIVATE OFFICE	OFFICE	112	7.75	868	NR	NR	NR	NR	NR	NR	NR	5.2	75	5.2	75	0	75	NR	NR
DIETITIAN OFFICES	OFFICE	363	7.75	2813	NR	NR	NR	NR	NR	NR	NR	6.0	280	6.0	280	0	280	NR	NR
WORKROOM	OFFICE	220	7.75	1705	NR	NR	NR	NR	NR	NR	NR	3.5	100	8.8	100	0	250	NR	NR
NUTRITION MGR OFFICE	OFFICE	164	7.75	1271	NR	NR	NR	NR	NR	NR	NR	4.0	85	4.0	85	0	85	NR	NR
TOUCHDOWN 1111	OFFICE	85	7.75	659	NR	NR	NR	NR	NR	NR	NR	6.8	75	6.8	75	0	0	NR	NR
TOUCHDOWN 1112	OFFICE	85	7.75	659	NR	NR	NR	NR	NR	NR	NR	6.8	75	6.8	75	0	0	NR	NR
PHASE 2 AREAS																			
COOK AREA PODS 1 & 2	FOOD PREPERATION AREAS	966	7.75	7487	NR	2	10	NR	NR	72-78	NR	9.2	1150	26.8	3060	0	3345	NR	72-78
COOK AREA PODS 3 & 4	FOOD PREPERATION AREAS	1390	7.75	10773	NR	2	10	NR	NR	72-78	NR	6.5	1170	18.8	3130	0	3370	NR	72-78
BEVERAGE & HOLDING	FOOD PREPERATION AREAS	421	7.75	3263	NR	2	10	NR	NR	72-78	NR	10.2	555	10.2	555	0	0	NR	72-78
PRODUCTION MGR OFFICE	OFFICE	100	7.75	775	NR	NR	NR	NR	NR	NR	NR	1.5	20	5.8	75	0	0	NR	NR
CHEF OFFICE	OFFICE	120	7.75	930	NR	NR	NR	NR	NR	NR	NR	1.3	20	4.8	75	0	0	NR	NR

1. "NR" INDICATES NO REQUIREMENT.
2. DOH LICENSED HOSPITALS: ROOM AIRFLOW REQUIREMENTS ARE BASED ON ASHRAE 170-2021 AS ADOPTED BY THE 2022 FGI GUIDELINES.

2021 WASHINGTON STATE ENERGY CODE COMMISSIONING AND BALANCING SCHEDULE

COMMISSIONING IN COMPLIANCE WITH 2021 WASHINGTON STATE ENERGY CODE (WSEC) SECTION C408 SHALL BE REQUIRED FOR ALL NEW SYSTEMS OR MODIFIED PORTIONS OF SYSTEMS UNLESS THE SYSTEMS MEET ONE OR MORE OF THE FOLLOWING EXCEPTIONS:

EXCEPTION 1: INSTALLED TOTAL MECHANICAL EQUIPMENT THAT ARE NOT REQUIRED TO COMPLY WITH SECTION C403.3.5 WHERE THE CAPACITY IS LESS THAN 180,000 BTU/H (15 TONS) COOLING CAPACITY AND LESS THAN 240,000 BTU/H (20 TONS) HEATING CAPACITY AND ENERGY RECOVERY VENTILATION (ERV) EQUIPMENT IS LESS THAN 300 CFM CAPACITY.

EXCEPTION 2: SERVICE WATER HEATING SYSTEMS IN BUILDNGS WITH SERVICE WATER HEATING SYSTEMS CAPACITY LESS THAN 200,000 BTU/H AND THERE ARE NO POOLS OR PERMANENT SPAS, SOLAR THERMAL HEATING, RECIRCULATION PUMPS, AND HEAT PUMP WATER HEATERS (EXCEPT PACKAGED UNITS FOR RESIDENTIAL USE).

EXCEPTION 4: REFRIGERATION SYSTEMS LIMITED TO SELF CONTAINED UNITS.

THE COMMISSIONING PROFESSIONAL SHALL MEET ONE OF THESE MINIMUM REQUIREMENTS:

1) AN INDIVIDUAL WHO IS CERTIFIED BY AN ANSI/ISO/IEC 17024:2012 ACCREDITED ORGANIZATION TO LEAD, PLAN, COORDINATE AND MANAGE COMMISSIONING TEAMS AND IMPLEMENT THE COMMSSIONING PROCESS.

THE COMMISSIONING PROFESSIONAL SHALL PERFORM THE FOLLOWING TASKS:

1) DEVELOPMENT AND EXECUTION OF THE COMMISIONING PLAN, INCLUDING ALL SUBSECTIONS OF WSEC SECTION C408.1.2.
2) REVIEW OF BUILDING DOCUMENTATION AND CLOSE OUT SUBMITTALS.
3) PREPAIRING THE FINAL COMMIISSIONING REPORT IN ACCORDANCE WITH WSEC SECTION C408.1.3.

ALL EQUIPMENT/SYSTEMS LISTED IN DRAWING EQUIPMENT SCHEDULES SHALL BE COMMISSIONED UNLESS LISTED AS AN EXCEPTION WITHIN THIS SCHEDULE.

WHERE THE CERTIFIED COMMISSIONING PROFESSIONAL'S CONTRACT OR EMPLOYMENT IS OTHER THAN DIRECTLY WITH THE BUILDING OWNER, AN IN-HOUSE COMMISSIONING DISCLOSURE AND CONFLICT MANAGEMENT PLAN SHALL BE A PART OF THE COMMISSIONING PROCESS. A COPY SHALL BE INCLUDED IN THE COMMISSIONING PLAN. THIS PLAN SHALL DISCLOSE THE CERTIFIED COMMISSIONING PROFESSIONAL'S CONTRACTUAL RELATIONSHIP WITH OTHER TEAM MEMBERS AND PROVIDE A CONFLICT MANAGEMENT PLAN DEMONSTRATING THAT THE CERTIFIED COMMISSIONING PROFESSIONAL IS FREE TO IDENTIFY ANY ISSUES DISCOVERED AND REPORT DIRECTLY TO THE OWNER.

FUNCTIONAL PERFORMANCE TESTING SHALL BE CONDUCTED FOR MECHANICAL SYSTEMS IN WSEC SECTIONS C403; SERVICE WATER HEATING SYSTEMS IN WSEC SECTION C404; EQUIPMENT, APPLIANCES AND SYSTEMS INSTALLED TO COMPLY WITH WSEC SECTION C406 OR C407; ENERGY METERING IN WSEC SECTION C409; AND REFRIGERATION SYSTEMS IN WSEC SECTION C410. WRITTEN PROCEDURES WHICH CLEARLY DESCRIBE THE INDIVIDUAL SYSTEMATIC TEST PROCEDURES, THE EXPECTED SYSTEM RESPONSE OR ACCEPTANCE CRITERIA FOR EACH PROCEDURE, THE ACTUAL RESPONSE OR FINDINGS, AND ANY PERTINENT DISCUSSION SHALL BE FOLLOWED. THIS TESTING SHALL INCLUDE CONTROL SYSTEMS WHICH WILL BE TESTED TO DOCUMENT THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT, AND SYSTEMS ARE CALIBRATED AND ADJUSTED TO OPERATE IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. TESTING SHALL AFFIRM THE CONDITIONS REQUIRED WITHIN WSEC SECTIONS C408.2 THROUGH C408.7 UNDER SYSTEM TESTING.

FOR PROJECTS WITH SEVEN OR FEWER SIMILAR SYSTEMS, EACH SYSTEM SHALL BE TESTED. FOR PROJECTS WITH MORE THAN SEVEN SYSTEMS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF CONTROLS TYPE. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF CONTROL TYPES EXIST, NO FEWER THAN 20 PERCENT OF EACH COMBINATION SHALL BE TESTED UNLESS THE CODE OFFICIAL OR DESIGN PROFESSIONAL REQUIRES A HIGHER PERCENTAGE TO BE TESTED. WHERE 30 PERCENT OR MORE OF THE TESTED SYSTEM FAIL, ALL REMAINING IDENTICAL COMBINATIONS SHALL BE TESTED.

A COMMISSIONING REPORT SHALL BE COMPLETED AND CERTIFIED BY THE CERTIFIED COMMISSIONING PROFESSIONAL AND DELIVERED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT. THE REPORT SHALL BE ORGANIZED WITH MECHANICAL, SERVICE WATER HEATING, CONTROLLED RECEPTACLE AND LIGHTING CONTROL SYSTEMS, ENERGY METERING, AND REFRIGERATION FINDINGS IN SEPA-RATE SECTIONS TO ALLOW INDEPENDENT REVIEW. THE REPORT SHALL RECORD THE ACTIVITIES AND RESULTS OF THE COMMISSIONING PROCESS AND BE DEVELOPED FROM THE FINAL COMMISSIONING PLAN WITH ALL OF ITS ATTACHED APPENDICES. THE REPORT SHALL INCLUDE:

1) RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
2) DISPOSITION OF DEFIIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.
3) FUNCTIONAL PERFOMANCE TEST PROCEDURES USED DURING THE COMMSIONING PROCESS INCLUDING MEASURABLE CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN REPEATABILITY.

4) COMMSIONING PLAN.
5) TESTING, ADJUSTING AND BALANCING REPORTS.

EXCEPTION: DEFERRED TESTS WICH CANNOT BE PERFORMED A THE TIME OF REPORT PREPARATION DUE TO CLIMATE CONDITIONS.

PRIOR TO THE FINAL MECHANICAL AND PLUMBING INSPECTIONS OR OBTAINING A CERTIFICATE OF OCCUPANCY, THE CERTIFIED COMMISSIONING PROFESSIONAL SHALL PROVIDE EVIDENCE OF BUILDING COMMISSIONING IN ACCORDANCE WITH WSEC SECTION C408.1.4.1.

THE CODE OFFICIAL SHALL BE PERMITTED TO REQUIRE THAT A COPY OF THE COMMISSIONING REPORT BE MADE AVAILABLE FOR REVIEW BY THE CODE OFFICIAL.

MECHANICAL EQUIPMENT AND CONTROLS SUBJECT TO WSEC SECTION C403 SHALL BE INCLUDED IN THE COMMISSIONING PROCESS REQUIRED BY SECTION C408.1. THE COMMISSIONING PROCESS SHALL MINIMALLY INCLUDE ALL ENERGY CODE REQUIREMENTS FOR WHICH THE CODE STATES THAT EQUIPMENT OR CONTROLS SHALL "BE CAPABLE OF" OR "CONFIGURED TO" PERFORM SPECIFIC FUNCTIONS.

HVAC SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS. AIR AND WATER FLOW RATES SHALL BE MEASURED AND ADJUSTED TO DELIVER FINAL FLOW RATES WITHIN THE TOLERANCES PROVIDED IN THE PROJECT SPECIFICATIONS. TEST AND BALANCE ACTIVITIES SHALL INCLUDE AIR SYSTEM AND HYDRONIC SYSTEM BALANCING.

EACH SUPPLY AIR OUTLET AND ZONE TERMINAL DEVICE SHALL BE EQUIPPED WITH MEANS FOR AIR BALANCING IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 6 OF THE INTERNATIONAL MECHANICAL CODE. DISCHARGE DAMPERS USED FOR AIR SYSTEM BALANCING ARE PROHIBITED ON CONSTANT VOLUME FANS AND VARIABLE VOLUME FANS WITH MOTORS 10 HP (18.6 KW) AND LARGER. AIR SYSTEMS SHALL BE BALANCED IN A MANNER TO FIRST MINIMIZE THROTTLING LOSSES THEN, FOR FANS WITH SYSTEM POWER OF GREATER THAN 1 HP (0.74 KW), FAN SPEED SHALL BE ADJUSTED TO MEET DESIGN FLOW CONDITIONS.

EXCEPTION: FANS WITH FAN MOTORS OF 1 HP OR LESS.

INDIVIDUAL HYDRONIC HEATING AND COOLING COILS SHALL BE EQUIPPED WITH MEANS FOR BALANCING AND MEASURING FLOW. HYDRONIC SYSTEMS SHALL BE PROPORTIONATELY BALANCED IN A MANNER TO FIRST MINIMIZE THROTTLING LOSSES, THEN THE PUMP IMPELLER SHALL BE TRIMMED OR PUMP SPEED SHALL BE ADJUSTED TO MEET DESIGN FLOW CONDITIONS. EACH HYDRONIC SYSTEM SHALL HAVE EITHER THE CAPABILITY TO MEASURE PRESSURE ACROSS THE PUMP, OR TEST PORTS AT EACH SIDE OF EACH PUMP.

EXCEPTION: THE FOLLOWING EQUIPMENT IS NOT REQUIRED TO BE EQUIPPED WITH MEANS FOR BALANCING OR MEASURING FLOW:
1) PUMPS WITH PUMP MOTORS OF 5 HP (3.7 KW) OR LESS.
2) WHERE THROTTLING RESULTS IN NO GREATER THAN FIVE PERCENT OF THE NAMEPLATE HORSEPOWER DRAW ABOVE THAT REQUIRED IF THE IMPELLER WERE TRIMMED.

FUNCTIONAL PERFORMANCE TESTING SHALL DEMONSTRATE THE COMPONENTS, SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS ARE INSTALLED AND OPERATE IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. WHERE FULL LOAD TESTING IS NOT POSSIBLE OR PRACTICAL PER BUILDING LOAD OR SYSTEM SET UP, FUNCTIONAL PERFORMANCE TESTING SHALL BE PERFORMED IN A MANOR THAT ALLOWS INDIVIDUAL EQUIPMENT TO SHOW FULL LOAD CAPABILITIES. EQUIPMENT SHALL BE TESTED TO SHOW INTENDED STAGING BETWEEN COMPONENTS. 100% FULL LOAD FROM ALL COMPONENTS SIMULTANEOUSLY WILL NOT BE REQUIRED. TESTING SHALL INCLUDE THE SEQUENCE OF OPERATION, AND BE CONDUCTED UNDER FULL LOAD, PART LOAD AND THE FOLLOWING CONDITIONS:

1) ALL MODES AS DESCRIBED IN THE SEQUENCE OF OPERATION.
2) REDUNDANT OR AUTOMATIC BACK-UP MODE.
3) PERFOMANCE OF ALARMS.
4) MODE OF OPERATION UPON LOSS OF POWER AND RESTORATION OF POWER.

SERVICE WATER HEATING EQUIPMENT AND CONTROLS SUBJECT TO WSEC SECTION C404 SHALL BE INCLUDED IN THE COMMISSIONING PROCESS REQUIRED BY WSEC SECTION C408.1. THE COMMISSIONING PROCESS SHALL MINIMALLY INCLUDE EQUIPMENT AND COMPONENTS INSTALLED TO MEET ALL ENERGY CODE REQUIREMENTS FOR DEVICES TO "START," "AUTOMATICALLY TURN OFF," "AUTOMATICALLY ADJUST," "LIMIT OPERATION," AND "LIMIT THE TEMPERATURE" AND "BE CONFIGURED TO."

FUNCTIONAL PERFORMANCE TESTING SHALL DEMONSTRATE THAT HEATERS, PIPING, DISTRIBUTION SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS ARE INSTALLED AND OPERATE IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. TESTING SHALL INCLUDE THE SEQUENCE OF OPERATION, AND BE CONDUCTED UNDER AT LEAST 50 PERCENT WATER HEATING LOAD, PART-LOAD AND THE FOLLOWING CONDITIONS:

1) NORMAL OPERATION.
2) REDUNDANT OR AUTOMATIC BACK-UP MODE.
3) PERFOMANCE OF ALARMS.
4) MODE OF OPERATION UPON LOSS OF POWER AND RESTORATION OF POWER.

EQUIPMENT, COMPONENTS, CONTROLS OR CONFIGURATION SETTINGS FOR SYSTEMS WHICH ARE INCLUDED IN THE PROJECT TO COMPLY WITH WSEC SECTIONS C406 OR C407 SHALL BE INCLUDED IN THE COMMISSIONING PROCESS REQUIRED BY WSEC SECTION C408.1.

FUNCTIONAL PERFORMANCE TESTING FOR THESE APPLIANCES, EQUIPMENT, COMPONENTS, CONTROLS AND/OR CON-FIGURATION SETTINGS SHALL DEMONSTRATE OPERATION, FUNCTION AND MAINTENANCE SERVICEABILITY FOR EACH OF THE COMMISSIONED SYSTEMS IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

ENERGY METERING SYSTEMS REQUIRED BY SECTION C409 SHALL COMPLY WITH WSEC SECTION C408.6 AND BE INCLUDED IN THE COMMISSIONING PROCESS REQUIRED BY SECTION C408.1. THE COMMISSIONING PROCESS SHALL INCLUDE ALL ENERGY METERING EQUIPMENT AND CONTROLS REQUIRED BY WSEC SECTION C409.

FUNCTIONAL PERFORMANCE TESTING SHALL DEMONSTRATE THAT ENERGY SOURCE METERS, END-USE METERS, DATA ACQUISITION SYSTEMS, AND ENERGY DISPLAYS ARE INSTALLED AND OPERATE IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. AT A MINIMUM, TESTING SHALL CONFIRM THAT:

1) THE METERING SYSTEM DEVICES AND COMPONENTS WORK PROPERLY UNDER LOW AND HIGH LOAD CONDITIONS.
2) THE METERED DATA IS DELIVERED IN A FORMAT THAT IS COMPATIBLE WITH THE DATA COLLECTION SYSTEM.
3) THE ENERGY DISPLAY IS IN A LOCATION WITH ACCESS TO BUILDING OPERATION AND MANAGEMENT PERSONNEL.
4) THE ENERGY DISPLAY MEETS CODE REQUIREMENTS REGARDING VIEWS REQUIRED IN SECTION C409.4.3. THE DISPLAY SHOWS ENERGY DATA IN IDENTICAL UNITS (E.G., KWH).

ALL INSTALLED REFRIGERATION SYSTEMS SUBJECT TO WSEC SECTION C410 SHALL BE INCLUDED IN THE COMMISSIONING PROCESS REQUIRED BY WSEC SECTION C408.1.

EXCEPTIONS: SELF-CONTAINED REFRIGERATION SYSTEMS ARE EXEMPT FROM THE COMMISSIONING PROCESS OR TOTAL INSTALLED CAPACITY FOR REFRIGERATION IS EQUAL TO OR LESS THAN 240 KBTU/H.

FUNCTIONAL PERFORMANCE TESTING SHALL DEMONSTRATE THAT COMPRESSORS, HEAT EXCHANGERS, PIPING, DISTRIBUTION SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS ARE INSTALLED AND OPERATE IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. TESTING SHALL INCLUDE THE SEQUENCE OF OPERATION AND BE CONDUCTED UNDER FULL LOAD, PART LOAD AND THE FOLLOWING CONDITIONS:

1) NORMAL MODE.
2) REDUNDANT OR AUTOMATIC BACK-UP MODE.
3) PERFORMANCE OF ALARMS.
4) MODE OF OPERATION UPON LOSS OF POWER AND RESTORATION OF POWER.

MAKE-UP AIR UNIT SCHEDULE

UNIT NO.	MFR. & MODEL NO.	NOM TONS	HEAT MBH	CFM	ESP	FAN HP	OA CFM	COP	IEER	ISMRE	ELECTRICAL VOLT/PH	ELECTRICAL AUX HTR KW	ELECTRICAL MCA	WT LBS	NOTES
MAU-1	GREENHECK / MSX-1115-H22	-	250	4000	1.5	5	4000	-	-	-	208/3	NONE	-	1500	EXISTING, 1
MAU-2	CAPTIVEAIRE CAS	31.0	260	8000	1.5	20	8000	3.5	17.8	4.8	208/3	150	561.9	5554	NEW, 2-7

NOTES:
1. EXISTING UNIT TO BE REUSED, BALANCE UNIT TO NEW SCHEDULED CFM. UNIT IS EQUIPPED WITH FAN VFD, HEATING HOT WATER COIL, MERV 8 FILTERS.
2. POWER WIRING AND DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR.
3. W/ SINGLE POINT POWER CONNECTION.
4. MCA LISTED IS TOTAL MCA .
5. FACTORY CONTROLS. INTEGRATION WITH BMS BY CONTROLS CONTRACTOR.
6. UNIT SUPPLIED WITH 2" MERV 8 PRE-FILTERS AND 2" MERV 13 FINAL FILTERS.
7. WEIGHT INCLUDE FACTORY ROOF CURB.

DUCT HEATING COIL SCHEDULE

UNIT NO.	AREA SERVED	MFG & MODEL NO.	AIRFLOW (CFM)	SIZE (W"xH")	EAT (°F)	LAT (°F)	AIR PD (IN WC)	GPM	WATER PD (FT HD)	EWT (F)	LWT (F)	NOTES
DHC-20	WAREWASH	RAE	3900	30x16	55	85	0.30	12.5	9.59	160	140	1,2
DHC-21	OFFICE	RAE	250	10x10	55	85	0.04	1.0	0.56	160	140	1,2
DHC-22	OFFICE	RAE	415	10x10	55	85	0.13	1.5	1.16	160	140	1,2
DHC-23	EVS	RAE	1090	20x10	55	85	0.23	3.5	6.87	160	140	1,2
DHC-24	STORAGE	RAE	600	16x8	55	85	0.14	2.0	2.99	160	140	1,2
DHC-25	HALLWAY	RAE	505	12x10	55	85	0.20	1.5	1.23	160	140	1,2

1. IF NO EXISTING 24V POWER IS AVAILABLE, ELECTRICAL CONTRACTOR TO PROVIDE POWER FOR CONTROLS. 24V WIRING BY CONTROLS CONTRACTOR.
2. 2-WAY HYDRONIC CONTROL VALVE, WALL THERMOSTAT, SENSORS, AND INTEGRATION WITH THE BMS BY CONTROLS CONTRACTOR.

SERIES VAV BOX SCHEDULE

UNIT NO.	AREA SERVED	MFR. MODEL NO.	INLET SIZE	FAN CFM	VALVE CFM MAX	VALVE CFM MIN	HEATER KW	HEATER DT	HEATER CFM	HEATER VOLT/PH	HEATER STGS	FAN HP	FAN SPD	NOTES
FTU-101	PHASE 2	NAILOR 35SE SIZE 3	6	525	525	260	1	16	200	277/1	1	1/2	ECM	EXISTING, 4
FTU-102	PHASE 2	NAILOR 35SEST SIZE 6	14	2550	2550	1705	5.5	10	1705	208/3	1	2@3/4	ECM	EXISTING, 4
FTU-103	PHASE 2	NAILOR 35SE SIZE 7	14	2620	2620	1705	5.5	10	1705	208/3	1	2@3/4	ECM	EXISTING, 4
FTU-106	PHASE 2	NAILOR 35SE SIZE 1	6	150	150	75	1	21	150	208/1	2	1.4 FLA	ECM	NEW, 1,2,3

NOTES:
1. POWER WIRING AND DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR
2. SERIES FAN POWERED TERMINAL UNIT WITH HEAT -, SIZE AS LISTED, PRESSURE INDEPENDENT, FACTORY OPTIONS INCLUDE:
   - EXTENDED DAMPER 1/2" DIAM. SHAFT
   - FACTORY INSTALLED 1" THROW-AWAY FILTERS
   - CONTROLS BY OTHERS - FACTORY PROVIDE WIRING HARNESS WITH LOW VOLTAGE INTERLOCK CONDUCTORS EXTENDED FROM HIGH VOLTAGE CABINET TO LOW VOLTAGE CONTROLS CABINET.
   - 1" FIBER-FREE INSULATION
   - VARIABLE SPEED FAN CONTROL
   - 24V TRANSFORMER, 50 VA MIN RATING
   - HEAT STAGING & FAN CONTROL THROUGH FACTORY WIRED RELAYS
   - AUTO RESET 120°F HIGH LIMIT T'STAT
3. CONTROLS AND INTEGRATION WITH THE BMS BY THE CONTROLS CONTRACTOR.
4. EXISTING TERMINAL UNIT. REBALANCE TO SCHEDULED CFM VALUES.

HOOD SCHEDULE

UNIT NO.	CONNECTED EXH FAN	MFR. & MODEL NO.	DIMENSIONS (IN)	WEIGHT (LBS)	EA CFM	EA ESP (IN WC)	EA COLLAR SIZE (IN)	SA COLLAR SIZE (IN)	NOTES
B11L	KEF-2	HALTON KVE (TYPE 1)	142L X 68W X 24H	1120	1544	0.16	10x10	12x12	1,2,3,4
B11R	KEF-2	HALTON KVE (TYPE 1)	142L X 68W X 24H	1120	1656	0.21	12x12	16x12	1,2,3,4
B38L	KEF-2	HALTON KVE (TYPE 1)	142L X 68W X 24H	1091	2062	0.29	14x12	20x12	1,2,3,4
B38R	KEF-2	HALTON KVE (TYPE 1)	142L X 68W X 24H	1091	2664	0.25	12x10	12x12	1,2,3,4
B61	DEF-1	HALTON CH (TYPE 2)	57L X 56W X 24H	221	475	0.37	8x8	-	1,2
C4A	KEF-1	HALTON KVE (TYPE 1)	101L X 57W X 24H	715	1936	0.43	13x12	18x12	1,2,3,4
C4B	KEF-1	HALTON KVE (TYPE 1)	101L X 57W X 24H	715	1404	0.27	12x10	14x12	1,2,3,4
D12A	KEF-1	HALTON KVE (TYPE 1)	101L X 57W X 24H	715	1431	0.28	12x10	14x12	1,2,3,4
D12B	KEF-1	HALTON KVE (TYPE 1)	101L X 57W X 24H	715	1936	0.43	13x12	18x12	1,2,3,4

NOTES:
1. PROVIDED BY KITCHEN CONSULTANT. INSTALLED BY MECHANICAL CONTRACTOR.
2. 120V POWER FOR LIGHTING AND CONTROLS BY ELECTRICAL CONTRACTOR.
3. MFG'S FIRE SUPPRESSION SYSTEM, GREASE BAFFLES, HOOD WASHDOWN SYSTEM, AND MAKE-UP AIR PLENUM.
4. MFG'S HOOD CONTROLS WITH DCKV SYSTEM. INTEGRATION WITH THE BMS BY CONTROLS CONTRACTOR.

EXHAUST FAN SCHEDULE

UNIT NO.	AREA SERVED	MFR. & MODEL NO.	TYPE	CFM	ESP	RPM	FLA	FEI	BHP	HP	VOLT/PH	BDD	WT LBS	NOTES
KEF-1	PHASE 2 TYPE I HOODS	GREENHECK / VECTOR-H-24-18	HIGH PLUME UPBLAST	6710	2	-	-	-	-	10	208/3	-	1095	EXISTING, 1
DEF	EXISTING DISHWASHER	EXISTING	-	-	-	-	-	-	-	-	-	-	-	DEMO
KEF-2	PHASE 1 TYPE I HOODS	CAPTIVEAIRE USBI36DD-RM	UTILITY SET	8000	2	690	24.5	1.16	4.0	7.5	208/3	-	1718	NEW, 2,5
DEF-1	PHASE 1 DISHWASHER AND POTWASH (TYPE II)	CAPTIVEAIRE DU85HFA	CENTRIFUGAL UPBLAST	1225	2	1630	11.6	1.34	0.77	1	115/1	Y	125	NEW, 2,3,5
EF-4	PHASE 2 KITCHEN AREA	CAPTIVEAIRE DU180HFA	CENTRIFUGAL UPBLAST	3000	2	1520	9.5	0.98	2.4	3	208/3	-	244	NEW, 2,4,5

NOTES:
1. EXISTING UNIT TO BE REUSED, BALANCE UNIT TO NEW SCHEDULED CFM.
2. POWER WIRING AND DISCONNECT SWITCH BY ELECTRICAL CONTRACTOR. UNIT PROVIDED WITH FACTORY MOUNTED VFD.
3. UNIT TO REPLACE EXISTING DISHWASHER EXHAUST FAN DEF. EXISTING UNIT TO REMAIN OPERATIONAL UNTIL PHASE 1 IS COMPLETE AND NEW DEF-1 IS INSTALLED.
4. VARIABLE VOLUME FAN. PROVIDE WITH CLASS I MOTORIZED SHUTOFF DAMPER.
5. LISTED WEIGHTS INCLUDE FACTORY CURBS.

PIPING GENERAL NOTES

PIPING MATERIAL SCHEDULE

PIPING	SIZE	MATERIAL	JOINT
HEATING HOT WATER	1/2" - 2"	COPPER TYPE L	LEAD FREE SOLDER, PRESSED MECH JOINT
	2-1/2" - 10"	SCH 40 BLK STL, ASTM A53 A OR B	GROOVED, FLANGED, BUTT WELDED
INDIRECT DRAIN	1/2" - 2-1/2"	COPPER TYPE L	LEAD FREE SOLDER, PRESSED MECH JOINT
REFRIGERATION	1/8" - 4-1/8"	COPPER TUBE, ACR	BRAZED

PIPING INSULATION SCHEDULE

PIPING TYPE	PIPE SIZE	INSULATION TYPE	INSULATION THICKNESS	CONDUCTIVITY RANGE
HEATING HOT WATER (105°-140°F)	1/2" - 1-1/4"	FIBERGLASS, ELASTOMERIC FOAM	1"	0.21 - 0.28
	1-1/2"+	FIBERGLASS, ELASTOMERIC FOAM	1-1/2"	0.21 - 0.28
HEATING HOT WATER (141°-200°F)	1/2" - 1-1/4"	FIBERGLASS, ELASTOMERIC FOAM	1-1/2"	0.25 - 0.29
	1-1/2"+	FIBERGLASS, ELASTOMERIC FOAM	2"	0.25 - 0.29
COIL CONDENSATE PIPING	1/2" - 1-1/4"	FIBERGLASS, ELASTOMERIC FOAM	1/2"	0.21 - 0.27
	1-1/2" +	FIBERGLASS, ELASTOMERIC FOAM	1"	0.21 - 0.27
REFRIGERATION SUCTION	1/8" - 1"	ELASTOMERIC FOAM	1/2" (1" IF LOCATED OUTSIDE BLDG ENV.)	0.21 - 0.27
	1-1/8" +	ELASTOMERIC FOAM	1"	0.21 - 0.27
REFRIGERATION MIXED (DOWNSTREAM OF TXV)	1/8" - 7/8"	ELASTOMERIC FOAM	1"	0.21 - 0.27

- ALL PIPING INSULATION AND COVERINGS SHALL HAVE AN ASTM FLAME SPREAD RATING OF 25 OR LESS AND AN ASTM SMOKE DEVELOPED RATING OF 50 OR LESS.
- ELASTOMERIC INSULATIONS SHALL BE CLOSED CELL.
- ELASTOMERIC INSULATIONS WHICH MEET THESE RATINGS MAY BE USED AS A SUBSTITUTE FOR FIBERGLASS.
- PROVIDE A VAPOR BARRIER COVERING ON ALL CHILLED WATER PIPING AND COIL CONDENSATE PIPING INSULATION.
- PROVIDE A COVERING FOR ALL FIBERGLASS INSULATION WITHIN THE BUILDING.
- PROVIDE A VINYL JACKET FOR ALL INSULATION EXPOSED TO SIGHT WITHIN THE BUILDING EXCEPT MECHANICAL ROOMS.
- PROVIDE REMOVABLE LACED INSULATION PAD OVER ALL CONTROL VALVES, WHERE NOT LOCATED WITHIN A MECHANICAL ROOM.
- PROVIDE ALUMINUM JACKET ON ALL INSULATED PIPING OUTSIDE BUILDING.
- AT PIPE HANGERS PROVIDE RIGID INSULATION BETWEEN PIPE AND HANGER.

1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET WHICH MAY BE REQUIRED. THE MECHANICAL CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.
2. MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE 2021 INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL MECHANICAL CODE (IMC), INTERNATIONAL ENERGY CODE (IEC) AND UNIFORM PLUMBING CODE (UPC) AS AMENDED BY THE STATE OF WASHINGTON AND LOCAL AUTHORITIES.
3. ALL PIPE SIZES NOTED ON DRAWINGS ARE MINIMUMS.
4. SLOPE ALL INDIRECT DRAINS AT 2% UNLESS OTHERWISE NOTED ON DRAWINGS. OBTAIN APPROVAL FROM THE CODE AUTHORITY BEFORE INSTALLING PIPING AT LESS THAN 2% (EVEN IF LESSER SLOPE IS INDICATED ON DRAWINGS).
5. HANGERS AND SUPPORTS FOR PIPING SHALL BE IN ACCORDANCE WITH THE 2021 IMC AND IBC AS AMENDED BY THE STATE OF WASHINGTON AND LOCAL...
6. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOORS SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
7. PROVIDE CHROME PLATE ESCUTCHEON PLATES AT ALL EXPOSED WALL AND CEILING PENETRATIONS.
8. PROVIDE SHUT-OFF VALVES AT ALL EQUIPMENT CONNECTIONS.
9. PROVIDE UNION, GROOVED OR FLANGED CONNECTION AT EQUIPMENT FOR FUTURE REMOVAL AND SERVICING.
10. FOR CONDENSATE PIPING PROVIDE TRAPS WITH A MINIMUM SEAL 2" GREATER THAN THE FAN OPERATING STATIC PRESSURE AT ALL COOLING COIL CONNECTIONS.
11. PROVIDE MINIMUM 1" AIR BREAK FOR ALL CONDENSATE PIPE TERMINATIONS AT DRAINS.
12. PROVIDE DIELECTRIC CONNECTIONS BETWEEN DISSIMILAR METALS.
13. HEAT TRACING OF PIPING, WHERE INDICATED, SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. COORDINATE ELECTRICAL SUPPLY FOR HEAT TRACE WITH ELECTRICAL CONTRACTOR.
14. TRENCHING, BACKFILLING AND COMPACTING FOR UNDERGROUND PIPING SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR UNLESS STATED OTHERWISE IN CONTRACT DOCUMENTS.

DESCRIPTION OF OPERATIONS

PHASE 1

MAKEUP AIR UNIT (MAU-2)
SERVES: MAKE-UP AIR FOR PHASE 1 KITCHEN AREA
CONTROL TYPE: DDC SYSTEM MONITORING AND INTERLOCK WITH KEF-2
SETPOINTS: COOLING DAT: 60ºF (ADJ), HEATING DAT: 72°F (ADJ), ROOM TEMPERATURE: 70°F (ADJ)
NOTES: PROVIDES TEMPERATURE CONTROL AND MAKE-UP AIR TO PHASE 1 KITCHEN.
SUMMARY: VARIABLE VOLUME MAKE-UP AIR FOR PHASE 1 KITCHEN. TEMPERATURE REGULATION BY INTEGRAL HEAT PUMP AND ELECTRIC BACKUP HEAT. VFD MODULATES FAN BASED ON INPUT FROM DEMAND CONTROL KITCHEN VENTILATION SYSTEM. UNIT WILL MODULATE BETWEEN ITS MINIMUM AND MAXIMUM CFM SETPOINTS IN CONJUCTION WITH KEF-2. MINIMUM CFM SETPOINT SHALL PROVIDE AT LEAST A 50 PERCENT REDUCTION IN MAKE-UP AIR IN ACCORDANCE WITH 2021 WSEC C403.7.7.1.3. UNIT SHALL USE HEAT PUMP AS FIRST STAGE OF HEATING AND THE ELECTRIC COIL AS THE SECOND STAGE OF HEATING. UNIT OPERATES TO MAINTAIN DISCHARGE AIR TEMPERATURE SETPOINT BASED ON CALL FOR HEATING OR COOLING AT ZONE THERMOSTAT.

KITCHEN EXHAUST FAN (KEF-2)
SERVES: TYPE I GREASE EXHAUST FOR PHASE 1 KITCHEN
CONTROL TYPE: DDC SYSTEM MONITORING AND INTERLOCK WITH MAU-2
SUMMARY: VFD MODULATES FAN BASED ON INPUT FROM DEMAND CONTROL KITCHEN VENTILATION SYSTEM. UNIT WILL MODULATE BETWEEN ITS MINIMUM AND MAXIMUM CFM SETPOINTS IN CONJUCTION WITH MAU-2. MINIMUM CFM SETPOINT SHALL PROVIDE AT LEAST A 50 PERCENT REDUCTION IN EXHAUST AIR IN ACCORDANCE WITH 2021 WSEC C403.7.7.1.3.

DISHWASHER EXHAUST FAN (DEF-1)
SERVES: TYPE II POTWASH HOOD AND DISHWASHER
CONTROL TYPE: DDC SYSTEM MONITORING AND INTERLOCK WITH DISHWASHER
SUMMARY: FAN RUNS CONTINUOUSLY TO MAINTAIN MINIMUM CFM REQUIRED FOR POT WASH EXHAUST HOOD. UPON SIGNAL FROM DISHWASHER VFD SHALL SPEED UP FAN TO ITS DESIGN CFM SETPOINT TO PROVIDE REQUIRED EXHAUST AT BOTH THE POTWASH HOOD AND DISHWASHER.

HYDRONIC HEATING COILS (DHC-20 THRU DHC-25)
SERVES: VARIOUS SPACES SERVED FROM THE EXISTING AHU-1 SUPPLY DUCT SYSTEM.
CONTROL TYPE: DDC
SPACE TEMPERATURE SETPOINTS: 70ºF HEATING (ADJ)
SUMMARY: WHEN SPACE TEMPERATURE FALLS 2ºF BELOW SETPOINT, THE HOT WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

MOTORIZED DAMPER (MD-1)
SERVES: WAREWASH SUPPLY AIR DUCT.
CONTROL TYPE: DDC
SETPOINTS: MAXIMUM 3900 CFM, MINIMUM 3150 CFM
SUMMARY: TWO-POSITION MOTORIZED DAMPER. WHEN DAMPER IS FULL OPEN SYSTEM SHALL BE BALANCED TO DESIGN FLOW RATE AS INDICATED ON PLANS. UPON SHUTOFF OF DISHWASHER EXHAUST DAMPER SHALL RESTRICT AIRFLOW TO MINIMUM CFM SETPOINT.

PHASE 2 — Grayed out is Phase 2, Not included in this pemrit.

EXISTING MAKEUP AIR UNIT (MAU-1)
SERVES: MAKE-UP AIR FOR PHASE 2 KITCHEN AREA
CONTROL TYPE: DDC SYSTEM MONITORING AND INTERLOCK WITH KEF-1
DISCHARGE AIR TEMPERATURE SETPOINT: HEATING: 65°F (ADJ)
NOTES: EXISTING UNIT TO BE REBALANCED.
SUMMARY: VARIABLE VOLUME MAKE-UP AIR FOR PHASE 2 KITCHEN. HEAT PROVIDED BY HYDRONIC HEATING COIL. VFD MODULATES FAN BASED ON INPUT FROM DEMAND CONTROL KITCHEN VENTILATION SYSTEM. UNIT WILL MODULATE BETWEEN ITS MINIMUM AND MAXIMUM CFM SETPOINTS IN CONJUCTION WITH KEF-1. MINIMUM CFM SETPOINT SHALL PROVIDE AT LEAST A 50 PERCENT REDUCTION IN MAKE-UP AIR IN ACCORDANCE WITH 2021 WSEC C403.7.7.1.3.

EXISTING KITCHEN EXHAUST FAN (KEF-1)
SERVES: TYPE I GREASE EXHAUST FOR PHASE 2 KITCHEN
CONTROL TYPE: DDC SYSTEM MONITORING AND INTERLOCK WITH MAU-1
NOTES: EXISTING UNIT TO BE REBALANCED.
SUMMARY: VFD MODULATES FAN BASED ON INPUT FROM DEMAND CONTROL KITCHEN VENTILATION SYSTEM INSTALLED ON NEW PHASE 2 TYPE I HOODS. UNIT WILL MODULATE BETWEEN ITS MINIMUM AND MAXIMUM CFM SETPOINTS IN CONJUCTION WITH MAU-1. MINIMUM CFM SETPOINT SHALL PROVIDE AT LEAST A 50 PERCENT REDUCTION IN EXHAUST AIR IN ACCORDANCE WITH 2021 WSEC C403.7.7.1.3.

GENERAL KITCHEN EXHAUST FAN (EF-4)
SERVES: PHASE 2 KITCHEN AREA
CONTROL TYPE: DDC SYSTEM MONITORING
SETPOINT: -0.02 INCHES WATER COLUMN (ADJ)
NOTES: UNIT MAINTAINS NEGATIVE SPACE PRESSURE.
SUMMARY: VFD MODULATES FAN TO MAINTAIN NEGATIVE SPACE PRESSURE SETPOINT. IF SETPOINT IS MAINTAINED FOR A PERIOD OF 15 MINUTES AND VFD IS AT MINIMUM SPEED, FAN SHALL TURN OFF. FAN SHALL TURN ON IF SETPOINT IS NOT MAINTAINED FOR A PERIOD OF 15 MINUTES.

SERIES FAN POWERED TERMINAL UNITS (FTU-101, 102, 103, AND 106)
SERVES: PHASE 2 KITCHEN AND OFFICES
CONTROL TYPE: DDC
SPACE TEMPERATURE SETPOINTS: COOLING: 75ºF (ADJ), HEATING: 70°F (ADJ)
NOTES: FTU-101 THRU FTU-103 ARE EXISTING, FTU-106 IS NEW. UNITS PROVIDE TEMPERATURE CONTROL AND MAKEUP AIR TO PHASE 2 KITCHEN.
SUMMARY: THE SERIES FAN RUNS CONTINUOUSLY AND THE PRIMARY AIR DAMPER IS MODULATED TO MAINTAIN THE ZONE COOLING SETPOINT. WHEN HEATING CALL EXISTS, THE PRIMARY AIR DAMPER IS SET TO THE MINIMUM POSITION AND THE ELECTRIC HEAT IS CYCLED AS NEEDED TO MAINTAIN THE ZONE HEATING SETPOINT

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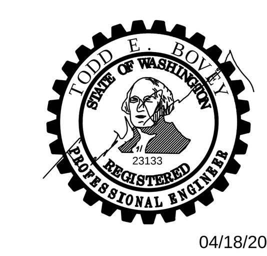

04/18/2025

PHASE 1 PERMIT SET 04/24/2025

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MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE

SCHEDULES - MECHANICAL

SHEET NUMBER

TM0.02

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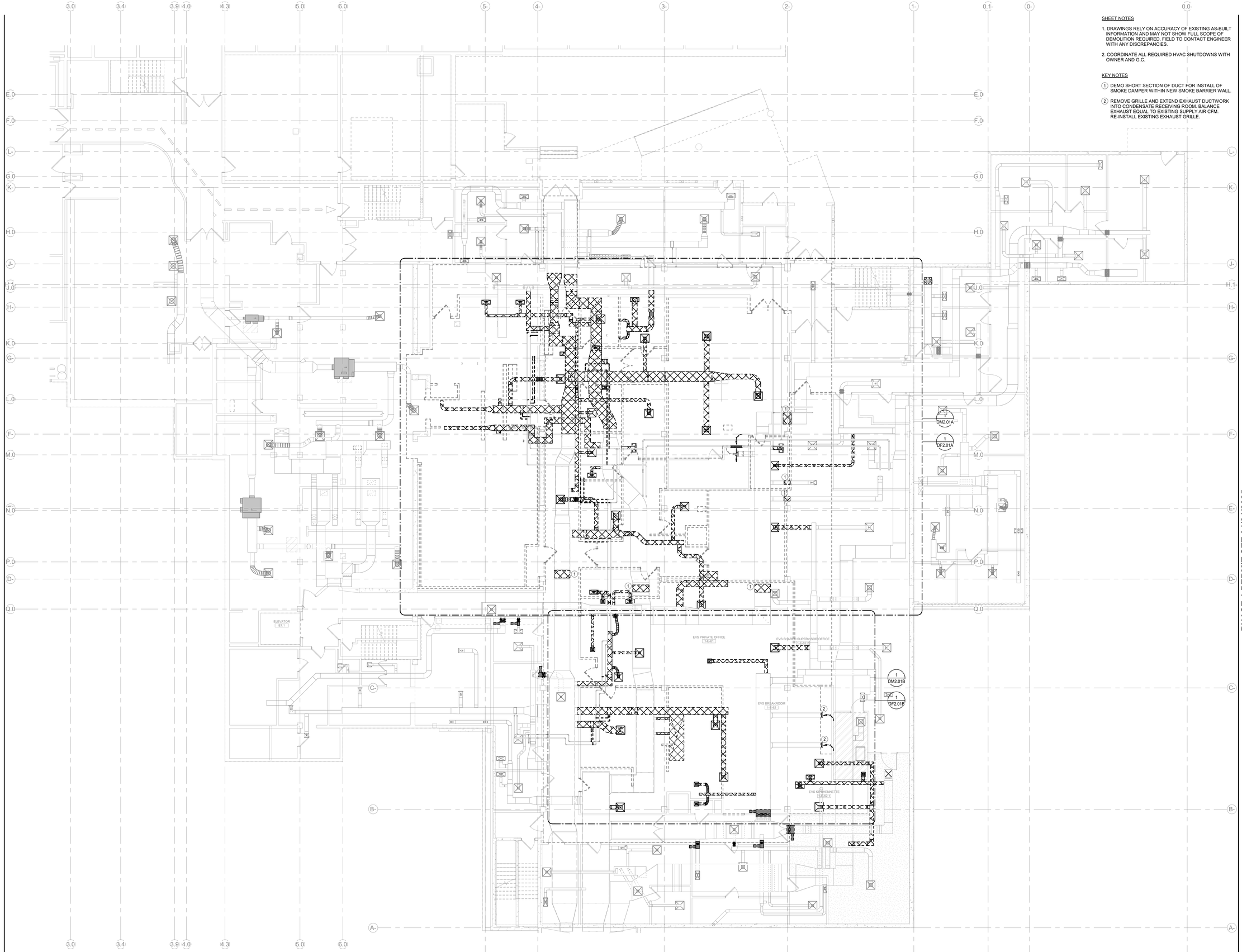

1 LEVEL 01 - SHEETMETAL - DEMO - PHASE 1

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

SHEET NOTES

1. DRAWINGS RELY ON ACCURACY OF EXISTING AS-BUILT INFORMATION AND MAY NOT SHOW FULL SCOPE OF DEMOLITION REQUIRED. FIELD TO CONTACT ENGINEER WITH ANY DISCREPANCIES.
2. COORDINATE ALL REQUIRED HVAC SHUTDOWNS WITH OWNER AND G.C.

KEY NOTES

1. DEMO SHORT SECTION OF DUCT FOR INSTALL OF SMOKE DAMPER WITHIN NEW SMOKE BARRIER WALL.
2. REMOVE GRILLE AND EXTEND EXHAUST DUCTWORK INTO CONDENSATE RECEIVING ROOM. BALANCE EXHAUST EQUAL TO EXISTING SUPPLY AIR CFM. RE-INSTALL EXISTING EXHAUST GRILLE.

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 01 OVERALL DEMOLITION FLOOR PLAN - MECHANICAL

SHEET NUMBER

DM2.01

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SHEET NOTES

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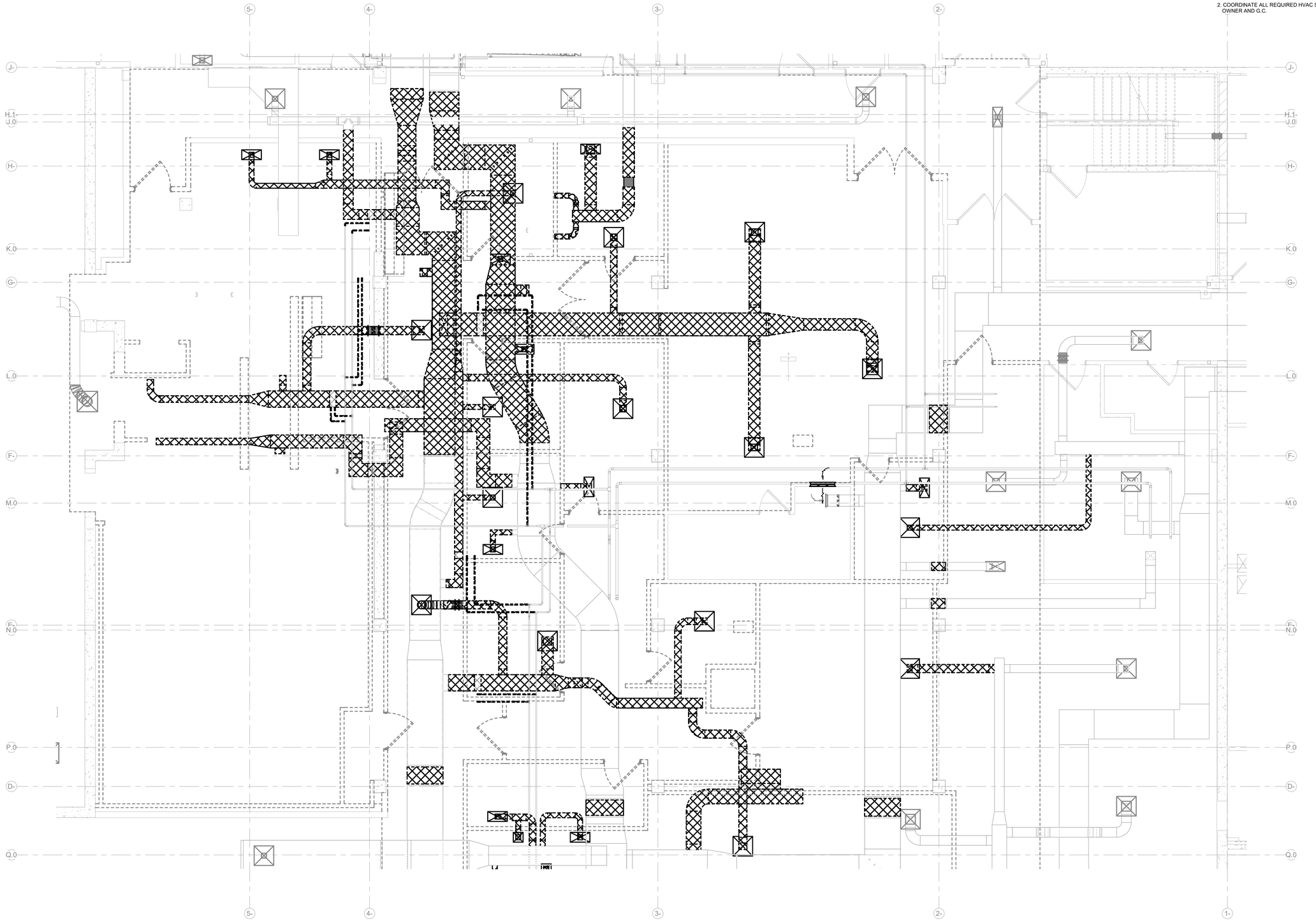
2. COORDINATE ALL REQUIRED HVAC SHUTDOWNS WITH OWNER AND G.C.



1 LEVEL 01 - SHEETMETAL - DEMO - AREA A

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

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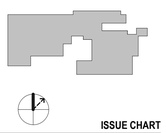
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA A - MECHANICAL

SHEET NUMBER

DM2.01A

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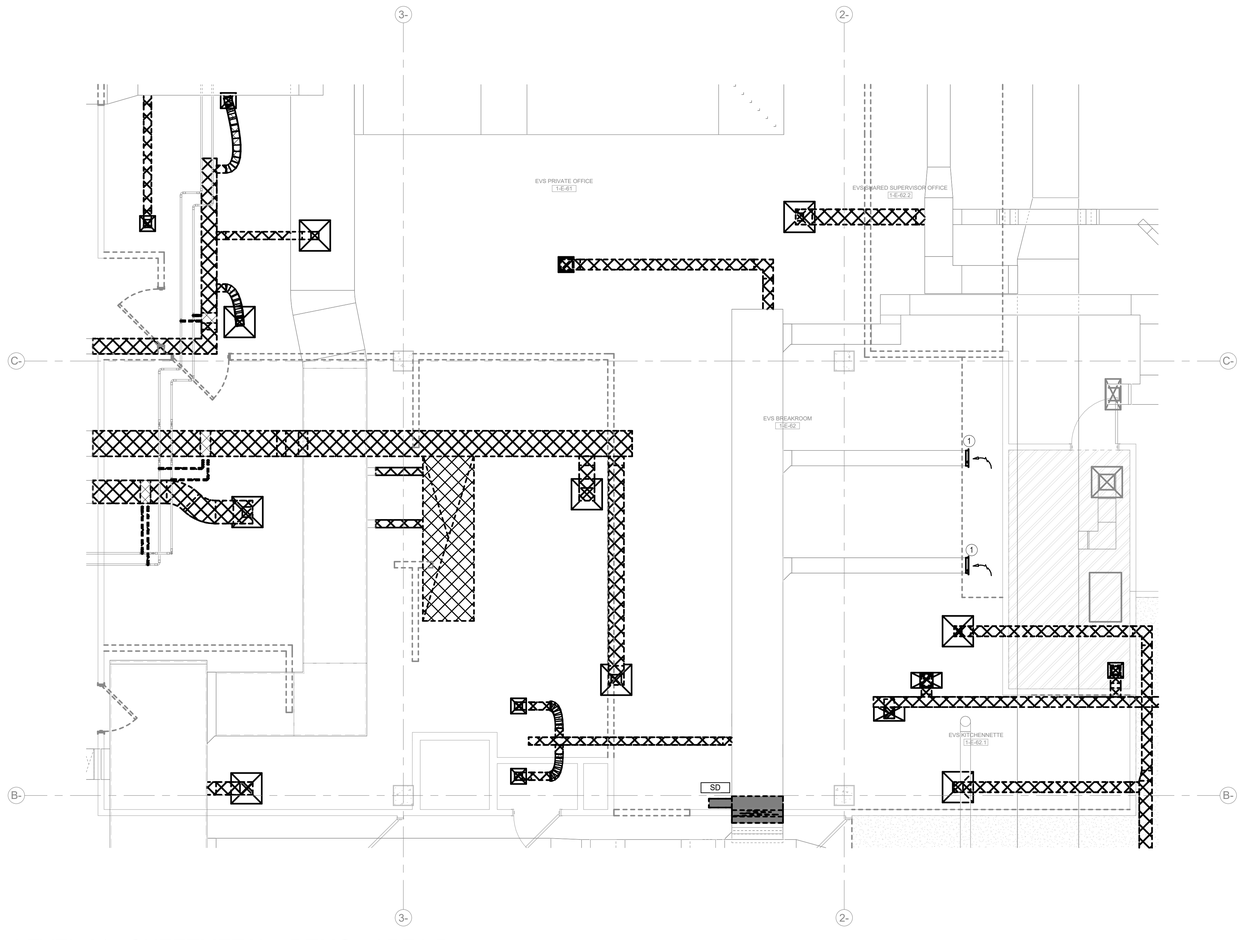
SHEET NOTES

1. DRAWINGS RELY ON ACCURACY OF EXISTING AS-BUILT INFORMATION AND MAY NOT SHOW FULL SCOPE OF DEMOLITION REQUIRED. FIELD TO CONTACT ENGINEER WITH ANY DISCREPANCIES.

2. COORDINATE ALL REQUIRED HVAC SHUTDOWNS WITH OWNER AND G.C.

KEY NOTES

1. REMOVE GRILLE AND EXTEND EXHAUST DUCTWORK INTO CONDENSATE RECEIVING ROOM. BALANCE EXHAUST EQUAL TO EXISTING SUPPLY AIR CFM. RE-INSTALL EXISTING EXHAUST GRILLE.



1 LEVEL 01 - SHEETMETAL - DEMO - AREA B
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TITLE

LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA B - MECHANICAL

SHEET NUMBER

DM2.01B

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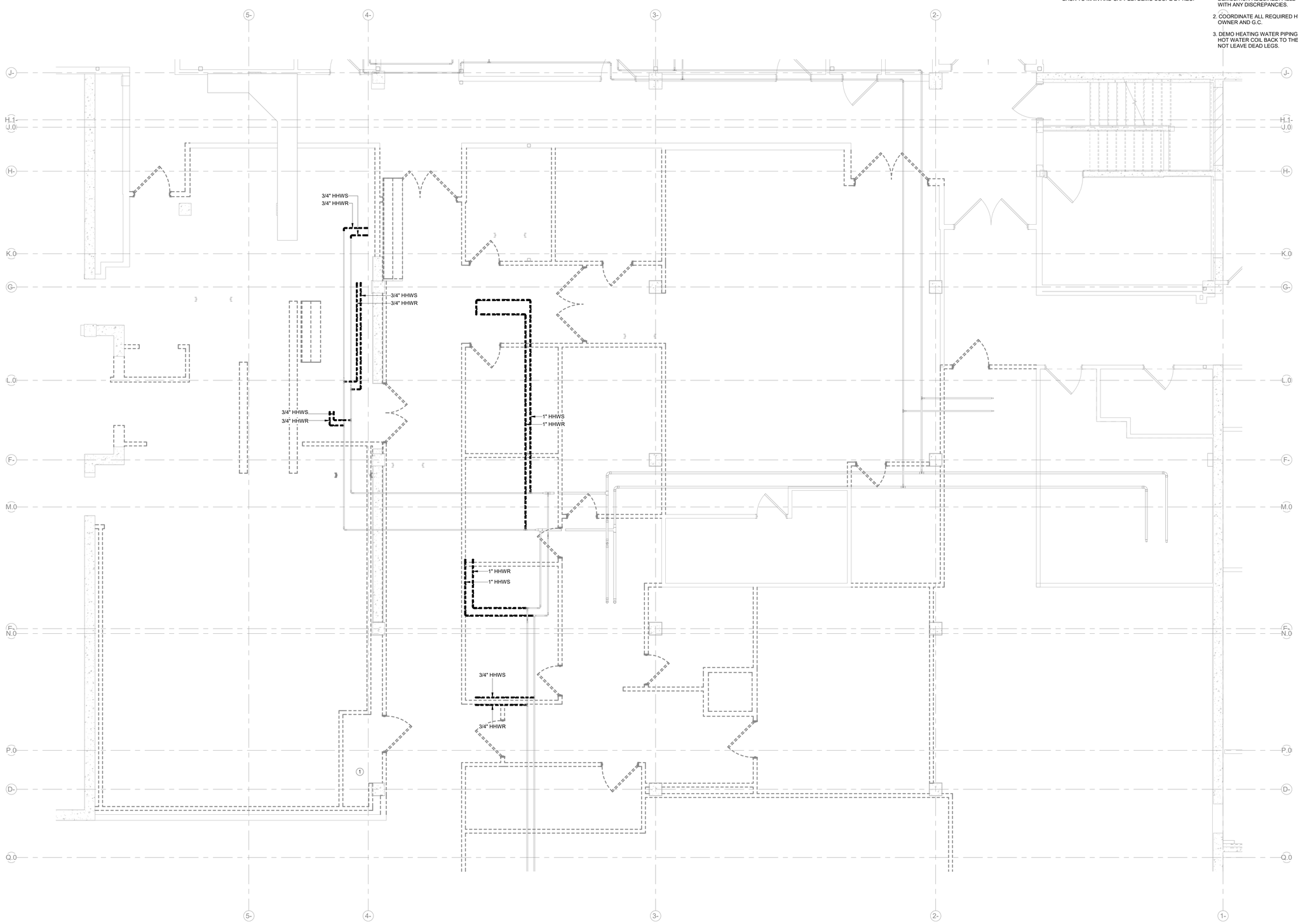
KEY NOTES

1. EXISTING WALK-IN COOLER WATER-COOLED CONDENSING UNITS IN THIS AREA TO BE DEMOLISHED. BUILDING CHILLED WATER PIPING TO BE DEMOLISHED BACK TO MAIN AND CAPPED. DEMO SCOPE BY KEC.

SHEET NOTES

1. DRAWINGS RELY ON ACCURACY OF EXISTING AS-BUILT INFORMATION AND MAY NOT SHOW FULL SCOPE OF DEMOLITION REQUIRED. FIELD TO CONTACT ENGINEER WITH ANY DISCREPANCIES.
2. COORDINATE ALL REQUIRED HVAC SHUTDOWNS WITH OWNER AND G.C.
3. DEMO HEATING WATER PIPING FROM ANY DEMOLISHED HOT WATER COIL BACK TO THE PIPE MAIN AND CAP. DO NOT LEAVE DEAD LEGS.



1 LEVEL 01 - FITTING - DEMO - AREA A
SCALE: 1/4" = 1'-0"

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MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA A - FITTING

SHEET NUMBER

DF2.01A

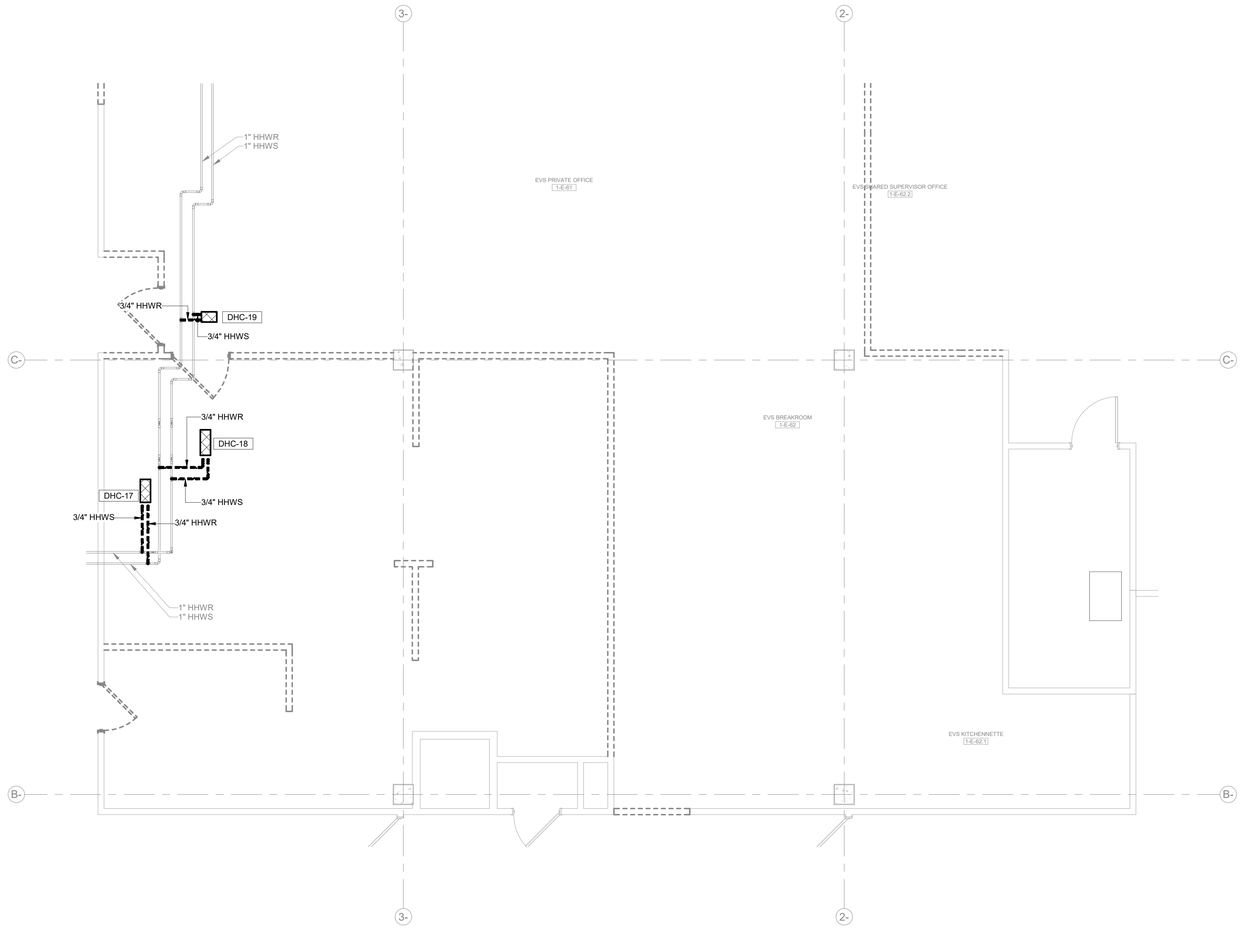
4/18/2025 1:50:29 PM Autodesk Docs:\!MultiCare - Good Samaritan Hospital Kitchen Expansion\MECH-MultiCare-Kitchen-R25.rvt

SHEET NOTES

1. DRAWINGS RELY ON ACCURACY OF EXISTING AS-BUILT INFORMATION AND MAY NOT SHOW FULL SCOPE OF DEMOLITION REQUIRED. FIELD TO CONTACT ENGINEER WITH ANY DISCREPANCIES.

2. COORDINATE ALL REQUIRED HVAC SHUTDOWNS WITH OWNER AND G.C.

3. DEMO HEATING WATER PIPING FROM ANY DEMOLISHED HOT WATER COIL BACK TO THE PIPE MAIN AND CAP. DO NOT LEAVE DEAD LEGS.



1 LEVEL 01 - FIITTING - DEMO - AREA B

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

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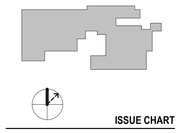


ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA B - FITTING

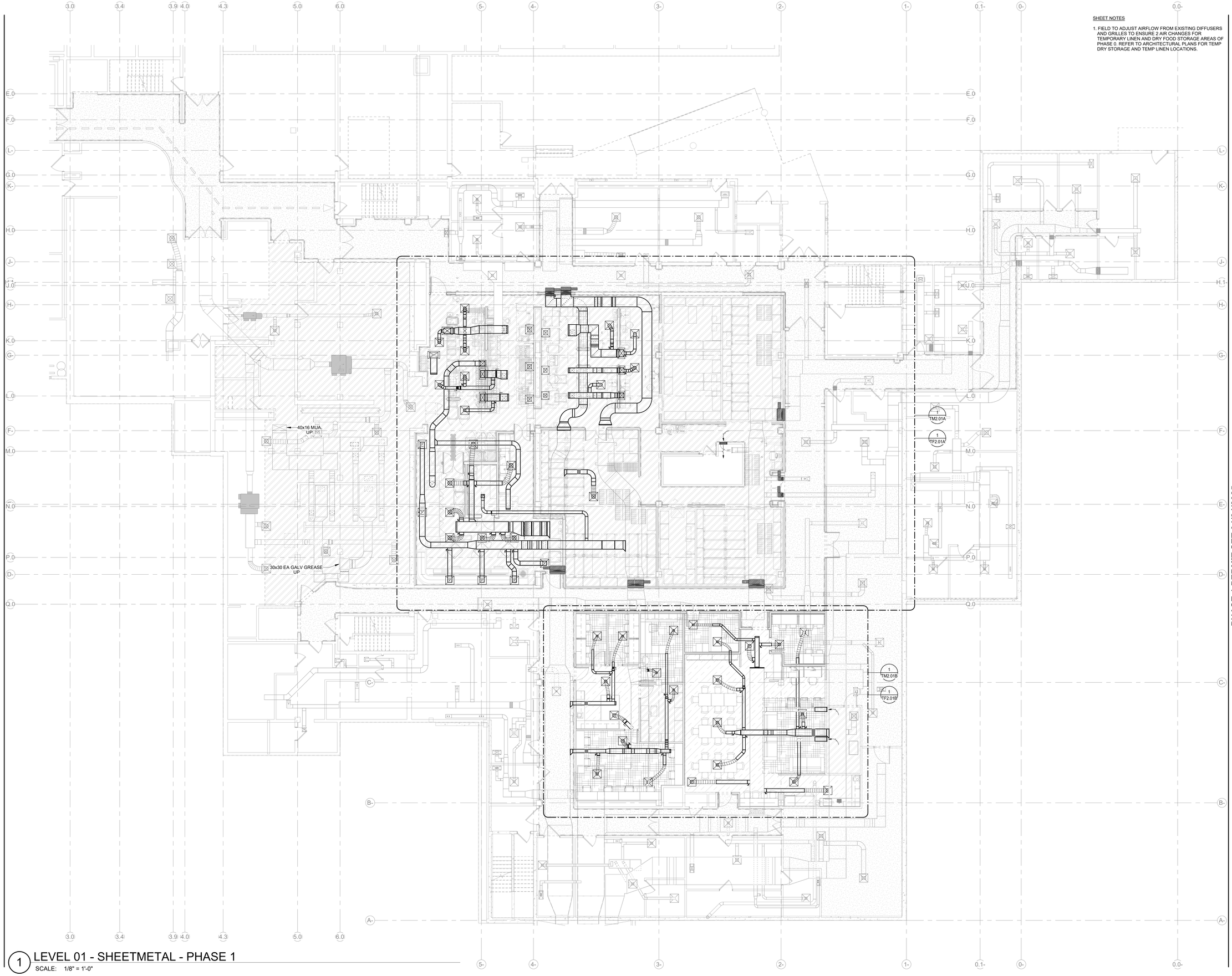
SHEET NUMBER

DF2.01B

4/18/2025 1:50:32 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/MECH-MultiCare-Kitchen-R25.rvt

SHEET NOTES

1. FIELD TO ADJUST AIRFLOW FROM EXISTING DIFFUSERS AND GRILLES TO ENSURE 2 AIR CHANGES FOR TEMPORARY LINEN AND DRY FOOD STORAGE AREAS OF PHASE 0. REFER TO ARCHITECTURAL PLANS FOR TEMP DRY STORAGE AND TEMP LINEN LOCATIONS.



1 LEVEL 01 - SHEETMETAL - PHASE 1
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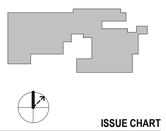
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 01 OVERALL FLOOR PLAN - MECHANICAL

SHEET NUMBER

TM2.01

4/23/2025 1:40:40 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/MECH-MultiCare-Kitchen-R25.rvt

KEY NOTES

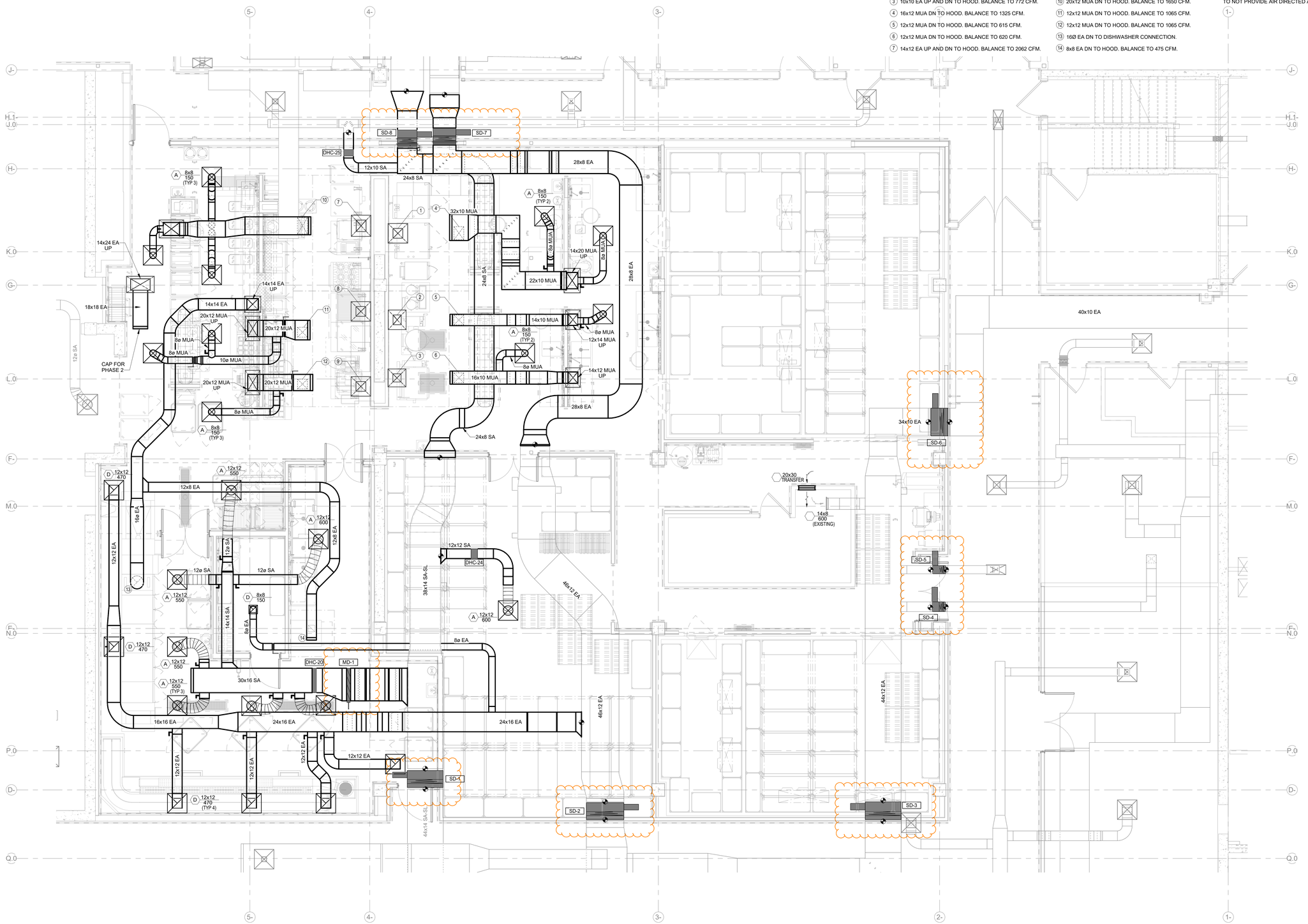
1. 12x12 EA UP AND DN TO HOOD. BALANCE TO 1656 CFM.
2. 10x10 EA UP AND DN TO HOOD. BALANCE TO 772 CFM.
3. 10x10 EA UP AND DN TO HOOD. BALANCE TO 772 CFM.
4. 16x12 MUA DN TO HOOD. BALANCE TO 1325 CFM.
5. 12x12 MUA DN TO HOOD. BALANCE TO 615 CFM.
6. 12x12 MUA DN TO HOOD. BALANCE TO 620 CFM.
7. 14x12 EA UP AND DN TO HOOD. BALANCE TO 2062 CFM.

KEY NOTES

8. 12x10 EA UP AND DN TO HOOD. BALANCE TO 1332 CFM.
9. 12x10 EA UP AND DN TO HOOD. BALANCE TO 1332 CFM.
10. 20x12 MUA DN TO HOOD. BALANCE TO 1650 CFM.
11. 12x12 MUA DN TO HOOD. BALANCE TO 1065 CFM.
12. 12x12 MUA DN TO HOOD. BALANCE TO 1065 CFM.
13. 16Ø EA DN TO DISHWASHER CONNECTION.
14. 8x8 EA DN TO HOOD. BALANCE TO 475 CFM.

SHEET NOTES

1. SEE HOOD SCHEDULE ON TM0.02 FOR CONNECTION SIZES AND CFM VALUES.
2. MODULAR CORE DIFFUSERS SHALL BE ADJUSTED SO AS TO NOT PROVIDE AIR DIRECTED AT EXHAUST HOODS.



1 LEVEL 01 - SHEETMETAL - AREA A

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 01 FLOOR PLAN - PHASE 1 AREA A - MECHANICAL

SHEET NUMBER

TM2.01A

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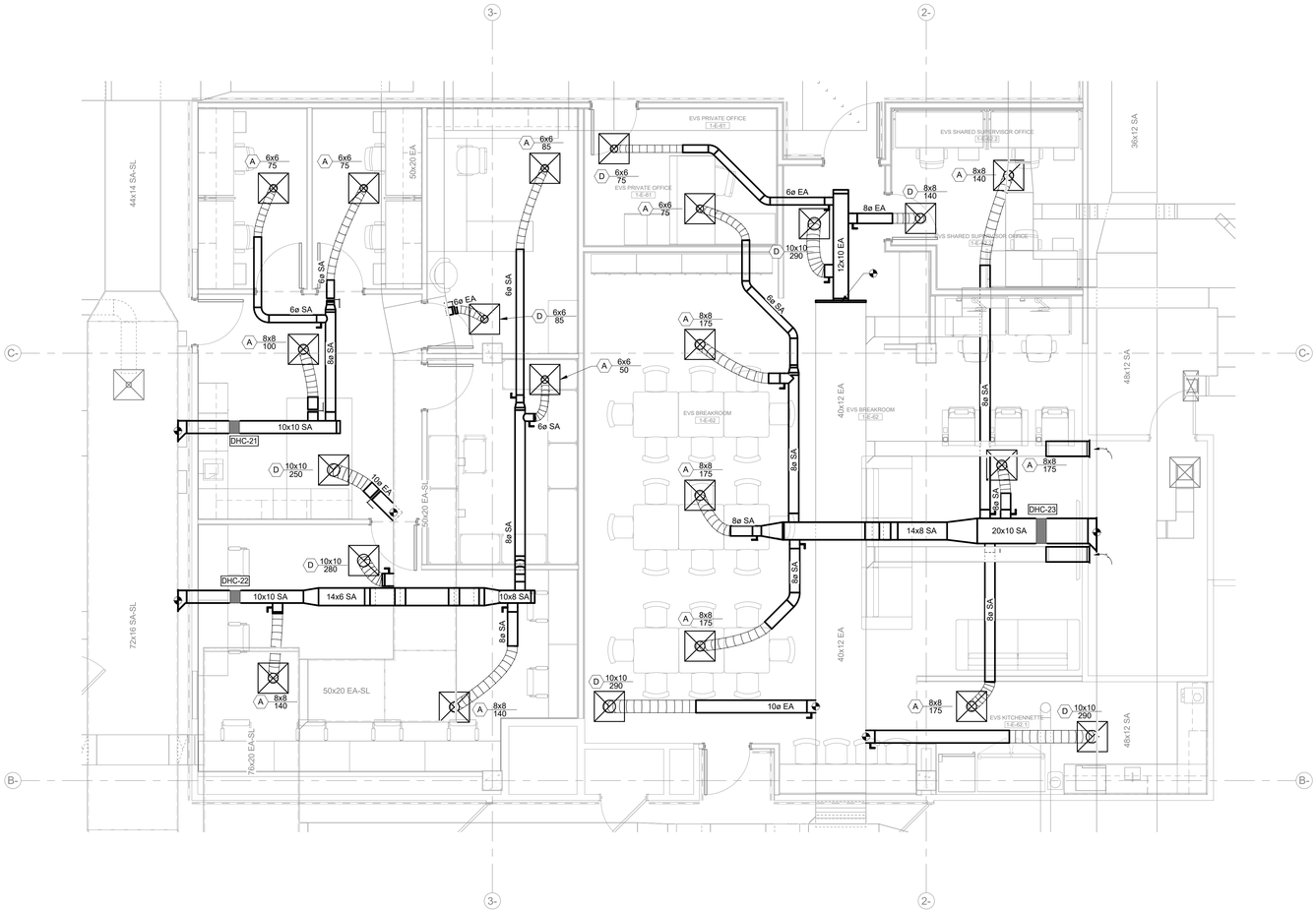

2 LEVEL 01 - SHEETMETAL - AREA B

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KEY PLAN

ISSUE CHART

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A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 01 FLOOR PLAN - PHASE 1 AREA B - MECHANICAL

SHEET NUMBER

TM2.01B

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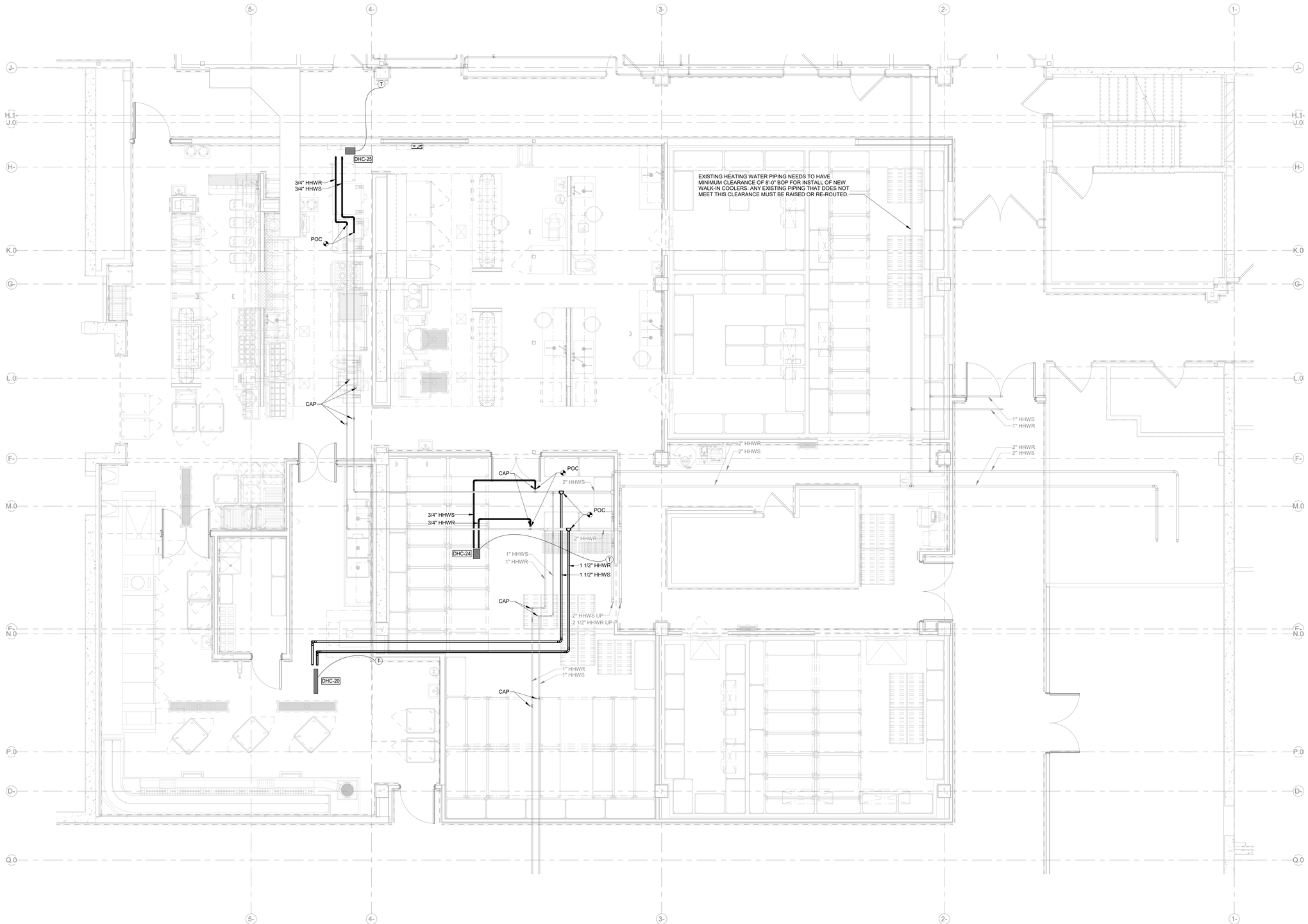

1 LEVEL 01 - FITTING - AREA A

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

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

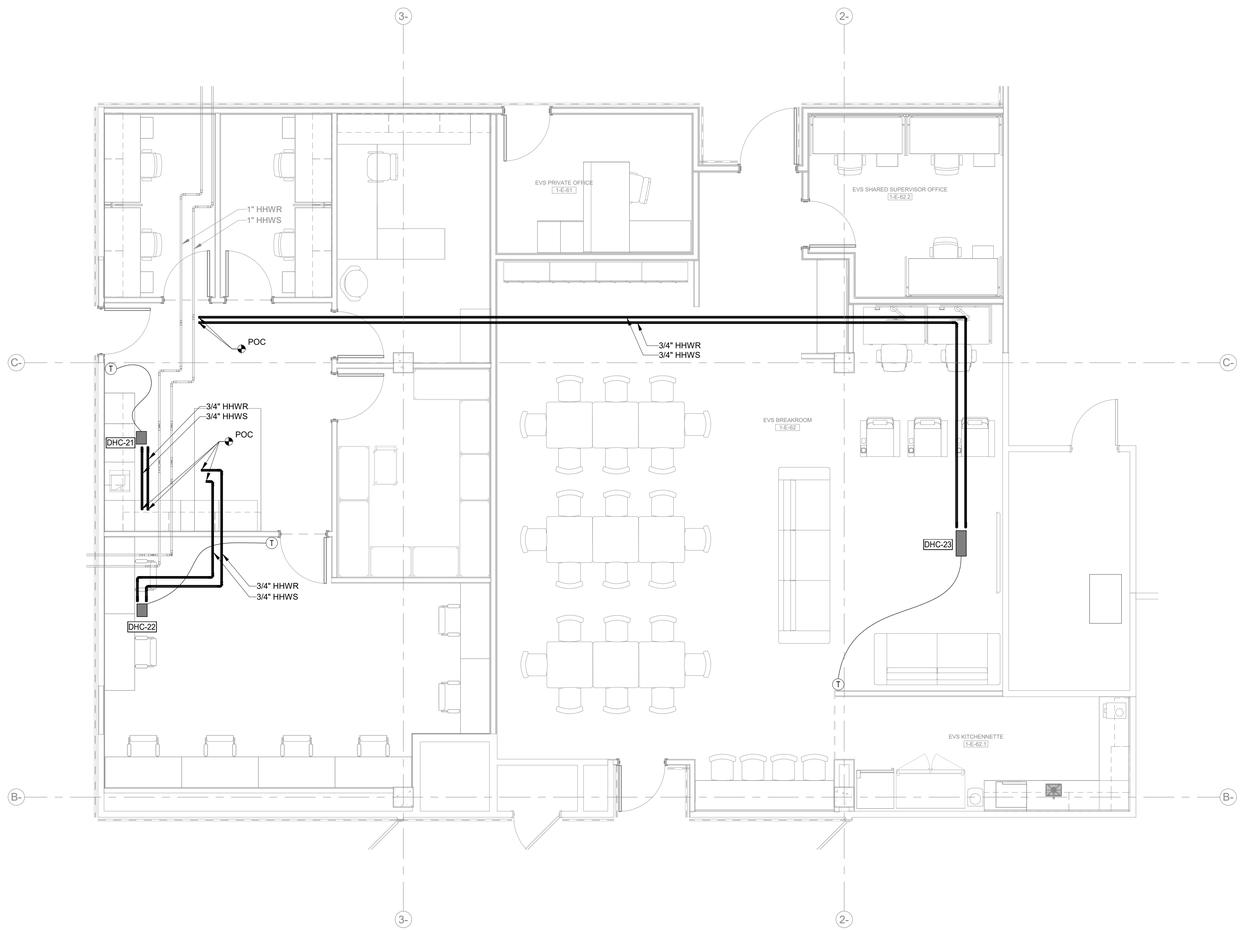
TITLE

LEVEL 01 FLOOR PLAN - PHASE 1 AREA A - FITTING

SHEET NUMBER

TF2.01A

4/18/2025 1:50:55 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/MECH-MultiCare-Kitchen-R25.rvt



2 LEVEL 01 - FITTING - AREA B

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 01 FLOOR PLAN - PHASE 1 AREA B - FITTING

SHEET NUMBER

TF2.01B

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1 LEVEL 02 - SHEETMETAL - PHASE 1

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

SHEET NOTES

1. ALL DUCTWORK SHOWN ON THIS PLAN SHALL BE LOCATED WITHIN A RATED ENCLOSURE BY G.C.

2. GREASE EXHAUST DUCT ACCESS PANELS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 506.3.8 AND 506.3.9 OF THE 2021 WASHINGTON STATE MECHANICAL CODE. ACCESS PANELS SHALL BE:
   - LOCATED NOT MORE THAN 10 FEET FROM CHANGES IN DIRECTION GREATER THAN 45 DEGREES.
   - LOCATED ON THE SIDE OR TOP OF THE DUCT, NOT ON THE BOTTOM.
   - HAVE DIMENSIONS OF *AT LEAST* 12 INCHES BY 12 INCHES.

3. RATED ACCESS PANELS FOR SHAFT ENCLOSURE PROVIDED BY G.C. ACCESS PANELS ON GREASE DUCT BY M.C. ACCESS PANELS ON SHAFT ENCLOSURE SHALL BE LOCATED AS TO PROVIDE CLEAR ACCESS TO GREASE EXHAUST CLEANOUTS.

KEY NOTES

1. 14x12 EA DN. MIN SLAB OPENING 26x24.
2. 12x12 EA DN. MIN SLAB OPENING 24x24.
3. 12x12 EA DN. MIN SLAB OPENING 24x24.
4. 10x10 EA DN. MIN SLAB OPENING 22x22.
5. 12x10 EA DN. MIN SLAB OPENING 24x22.
6. 12x12 EA DN. MIN SLAB OPENING 24x24.
7. 20x14 MUA DN. MIN SLAB OPENING 30x20.
8. 14x12 MUA DN. MIN SLAB OPENING 24x18.
9. 14x12 MUA DN. MIN SLAB OPENING 24x18.
10. 20x16 MUA DN. MIN SLAB OPENING 30x22.
11. 20x12 MUA DN. MIN SLAB OPENING 30x18.
12. 20x12 MUA DN. MIN SLAB OPENING 30x18.
13. 18x18 EA DN. MIN SLAB OPENING 28x24.
14. 14Ø EA UP/DN. MIN SLAB OPENING 20x20.

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 02 FLOOR PLAN - PHASE 1 - MECHANICAL

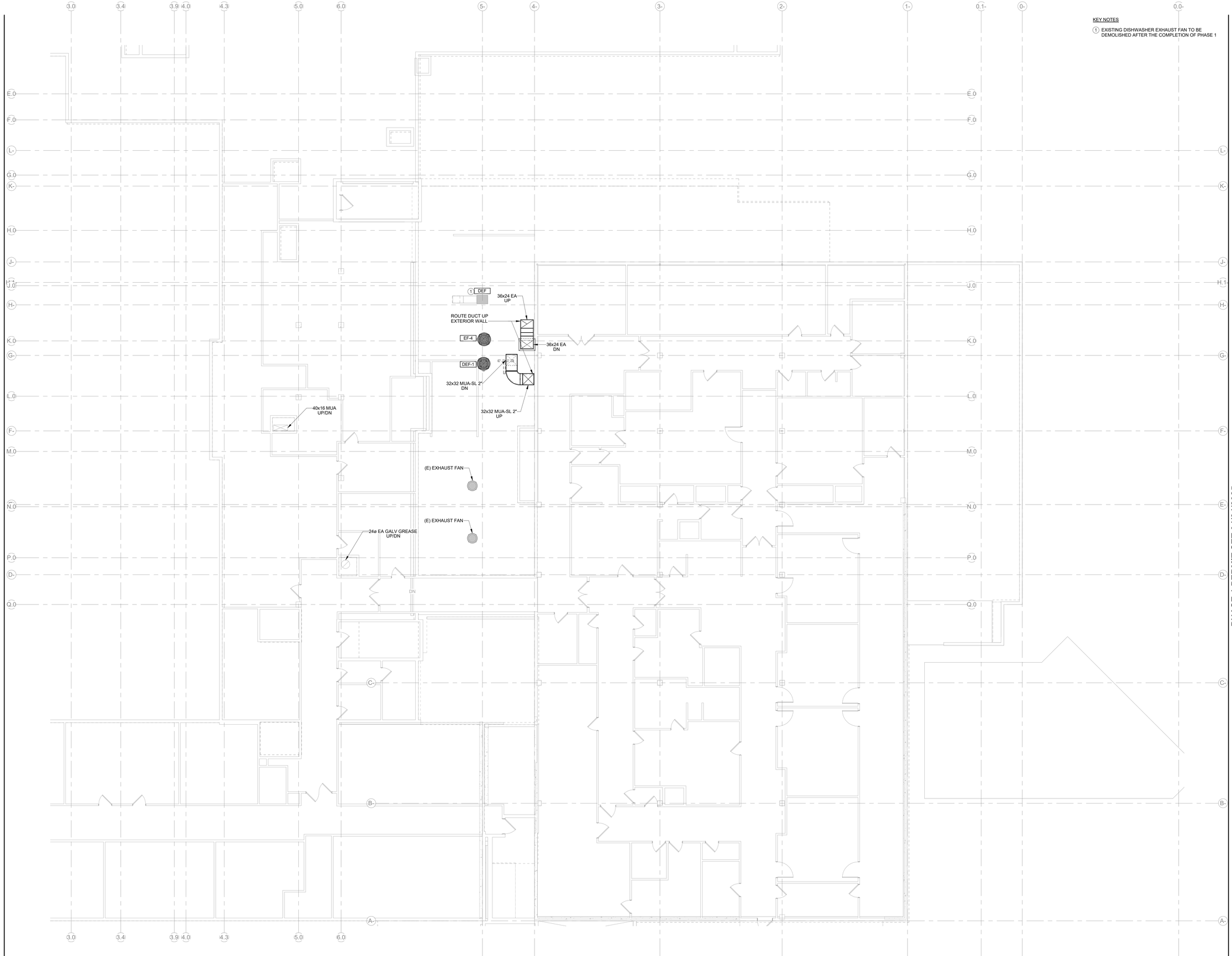
SHEET NUMBER

TM2.02

4/18/2025 1:51:01 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/MECH-MultiCare-Kitchen-R25.rvt

KEY NOTES

1. EXISTING DISHWASHER EXHAUST FAN TO BE DEMOLISHED AFTER THE COMPLETION OF PHASE 1



1 LEVEL 03 - SHEETMETAL - PHASE 1

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

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

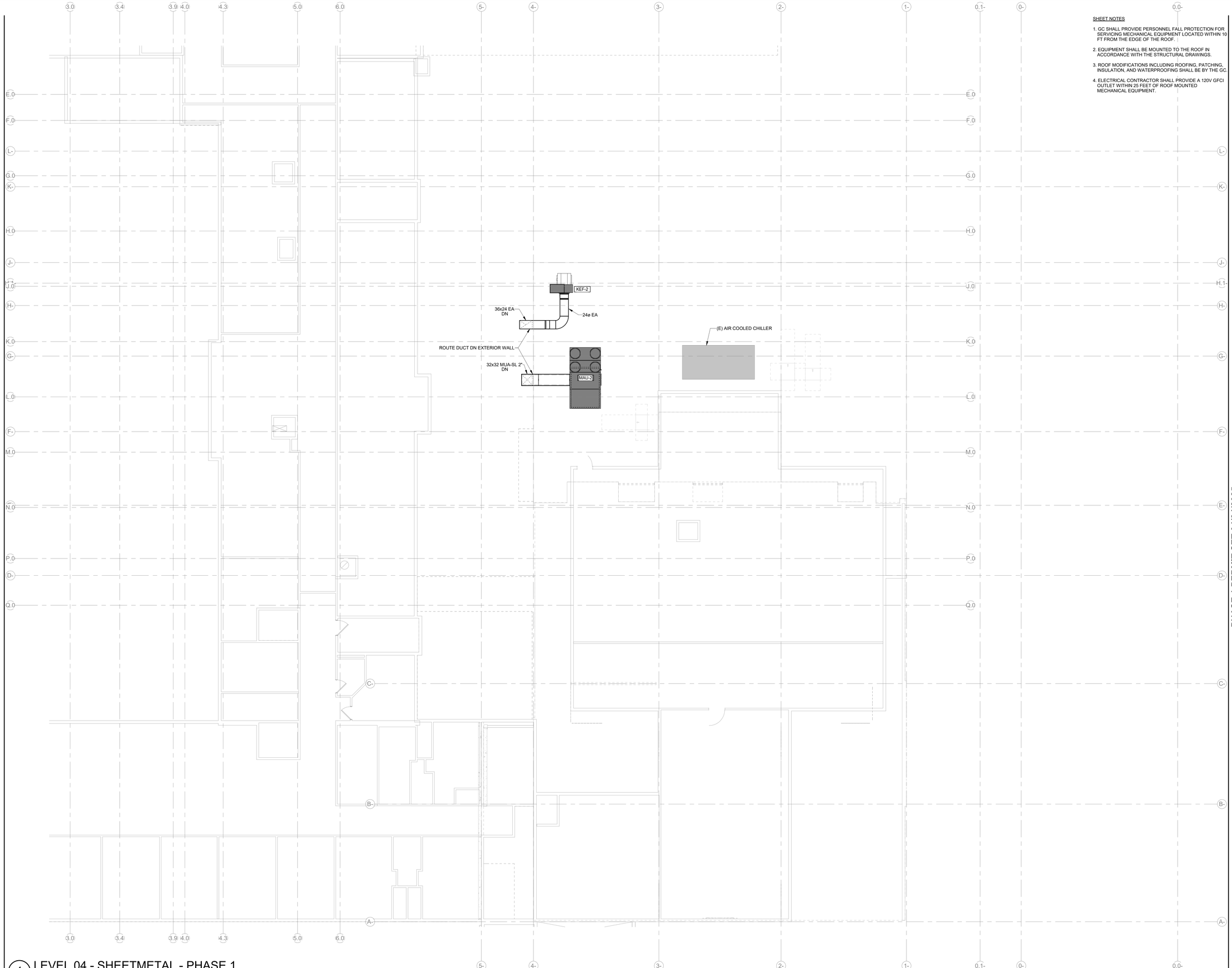
TITLE

LEVEL 03 FLOOR PLAN - PHASE 1 - MECHANICAL

SHEET NUMBER

TM2.03

4/18/2025 1:51:06 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/MECH-MultiCare-Kitchen-R25.rvt



1 LEVEL 04 - SHEETMETAL - PHASE 1

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

SHEET NOTES

1. GC SHALL PROVIDE PERSONNEL FALL PROTECTION FOR SERVICING MECHANICAL EQUIPMENT LOCATED WITHIN 10 FT FROM THE EDGE OF THE ROOF.
2. EQUIPMENT SHALL BE MOUNTED TO THE ROOF IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS.
3. ROOF MODIFICATIONS INCLUDING ROOFING, PATCHING, INSULATION, AND WATERPROOFING SHALL BE BY THE GC.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE A 120V GFCI OUTLET WITHIN 25 FEET OF ROOF MOUNTED MECHANICAL EQUIPMENT.

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Phone: 206-763-9400 www.macmiller.com

STATE OF WASHINGTON
JOSEPH A. DIMARIA
22139
REGISTERED PROFESSIONAL ENGINEER

04/18/2025

PHASE 1 PERMIT SET 04/24/2025

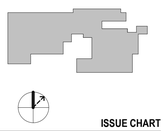
MultiCare Good Samaritan Hospital Kitchen

401 15th Ave SE,
Puyallup,
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 04 FLOOR PLAN - PHASE 1 - MECHANICAL

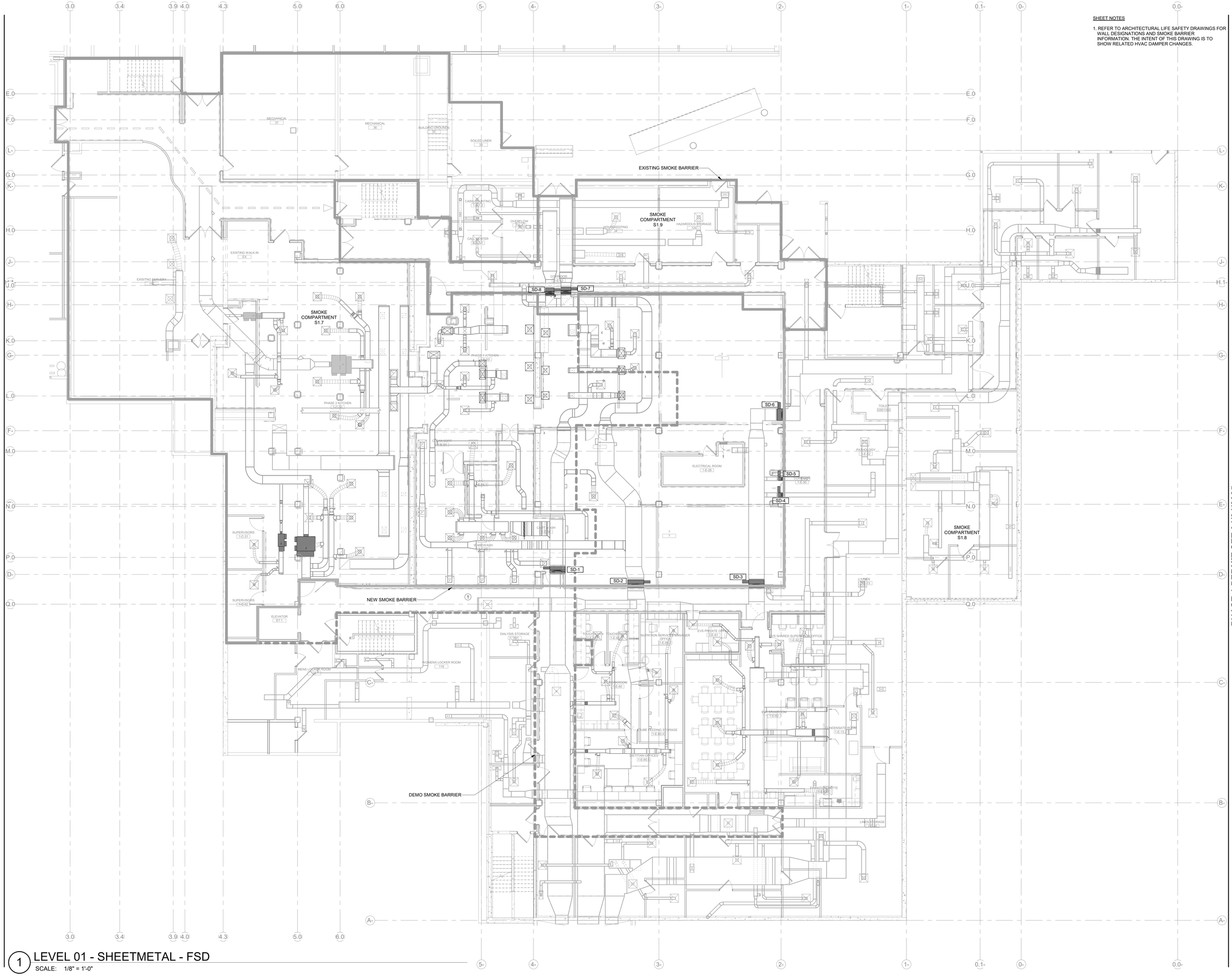
SHEET NUMBER

TM2.04

4/18/2025 1:51:08 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/MECH-MultiCare-Kitchen-R25.rvt

SHEET NOTES

1. REFER TO ARCHITECTURAL LIFE SAFETY DRAWINGS FOR WALL DESIGNATIONS AND SMOKE BARRIER INFORMATION. THE INTENT OF THIS DRAWING IS TO SHOW RELATED HVAC DAMPER CHANGES.



1 LEVEL 01 - SHEETMETAL - FSD

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

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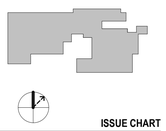
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

LEVEL 01 SMOKE CONTROL FLOOR PLAN - MECHANICAL

SHEET NUMBER

TM3.01

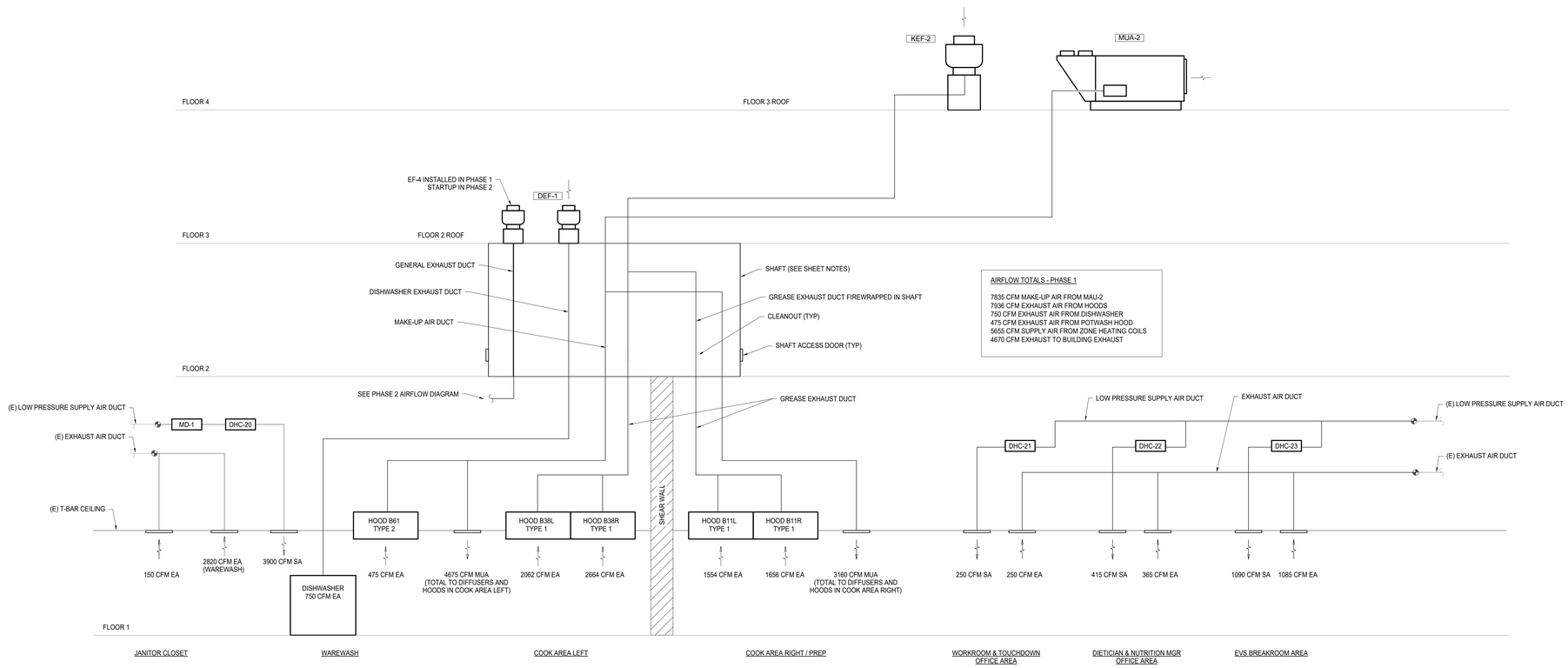
4/18/2025 1:51:16 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/MECH-MultiCare-Kitchen-R25.rvt

SHEET NOTES

1. ALL DUCTWORK ON LEVEL 2 SHALL BE IN A RATED SHAFT ENCLOSURE PER 2021 WASHINGTON STATE BUILDING CODE REQUIREMENTS. SEE SHEET TM2.02 FOR INDIVIDUAL SHAFT LOCATIONS AND SIZES. EXHAUST DUCT SERVING TYPE I HOODS SHALL BE ENCLOSED IN ITS OWN SHAFT THAT DOES NOT CONTAIN OTHER DUCTS, PIPING, OR WIRING SYSTEMS PER 2021 WASHINGTON STATE MECHANICAL CODE SECTION 506.3.11.

2. GREASE EXHAUST DUCT ACCESS PANELS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 506.3.8 AND 506.3.9 OF THE 2021 WASHINGTON STATE MECHANICAL CODE. ACCESS PANELS SHALL BE:
   - LOCATED NOT MORE THAN 10 FEET FROM CHANGES IN DIRECTION GREATER THAN 45 DEGREES.
   - LOCATED ON THE SIDE OR TOP OF THE DUCT, NOT ON THE BOTTOM.
   - HAVE DIMENSIONS OF *AT LEAST* 12 INCHES BY 12 INCHES.

3. RATED ACCESS PANELS FOR SHAFT ENCLOSURE PROVIDED BY G.C. ACCESS PANELS ON GREASE DUCT BY M.C. ACCESS PANELS ON SHAFT ENCLOSURE SHALL BE LOCATED AS TO PROVIDE CLEAR ACCESS TO GREASE EXHAUST CLEANOUTS.



PHASE 1 - KITCHEN AIRFLOW DIAGRAM

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PHASE 1 PERMIT SET 04/24/2025

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

AIRFLOW DIAGRAMS - PHASE 1 - MECHANICAL

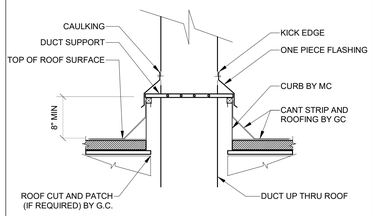
SHEET NUMBER

TM4.01

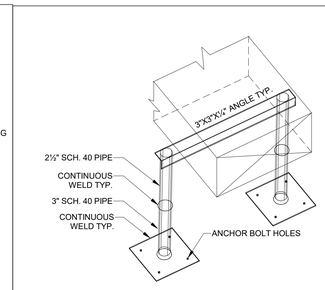
4/18/2025 1:51:16 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/MECH-MultiCare-Kitchen-R25.rvt

NOTES:

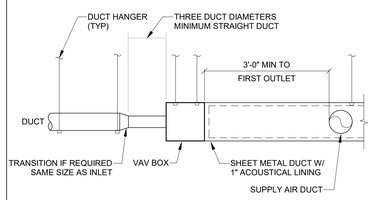
CURB DIMENSION ID SHALL BE DUCT DIMENSION PLUS 4" MIN.



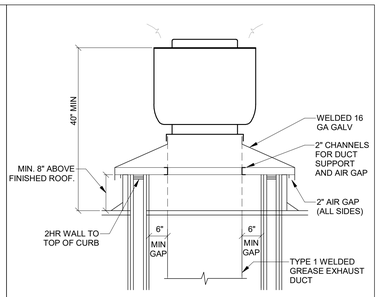
20 TM6.01 — ROOF TOP DUCT PENETRATION CURB DETAIL
N.T.S.



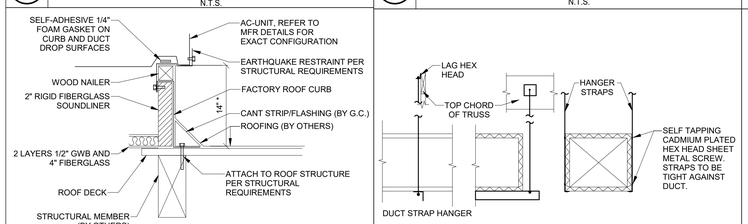
15 TM6.01 — ROOFTOP DUCT SUPPORT DETAIL
N.T.S.



10 TM6.01 — VAV BOX DETAIL
N.T.S.



5 TM6.01 — KITCHEN GREASE EXHAUST FAN
N.T.S.

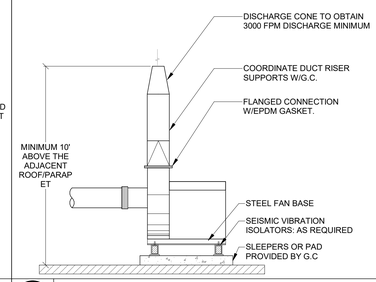


FOLLOW CURRENT SMACNA STANDARDS FOR HANGER SPACING TYPE AND SIZE.

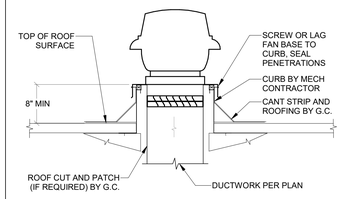
SEE SMACNA HVAC DUCT CONSTRUCTION STANDARDS

14 TM6.01 — DUCTWORK HANGER SCHEDULE / DETAIL
N.T.S.

NOTE: COORDINATE EQUIPMENT SUPPORT LOCATION WITH STRUCTURAL ENG & G.C



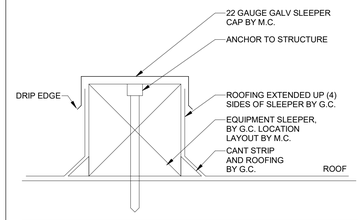
9 TM6.01 — FUME HOOD EXHAUST FAN DETAIL
N.T.S.



GENERAL NOTES:

EXACT DAMPER & CURB SIZE MUST BE CHECKED FROM EQUIPMENT SUBMITTALS. FINAL RESPONSIBILITY FOR CORRECT CURB & DAMPER SIZES BY INSTALLER

4 TM6.01 — EXHAUST FAN INSTALLATION DETAIL
N.T.S.

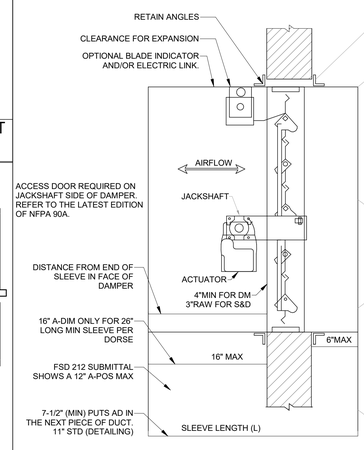


19 TM6.01 — ROOF TOP AC UNIT CURB DETAIL (UNITS 5 TO 25 TON)
N.T.S.

COMBINATION FIRE/SMOKE DAMPER INSTALLATION INSTRUCTIONS

1-1/2 AND 3 HOUR RATED LISTED AND LABELED BY:

MANUFACTURES INSTALLATION INSTRUCTIONS TAKE PRIORITY. THIS INFORMATION MEANT TO SUPPLEMENT MANUFACTURES INFORMATION.



TYPE A & AS VERTICAL MOUNTING

DAMPERS SHALL BE SECURED TO COLLAR WITH NO. 10 SHEET METAL SCREWS 6" ON CENTER, 1/4" DIA. NUTS AND BOLTS, WELDING, OR 3/16" STEEL POP RIVETS.

SEE NOTES 2 AND 3 FOR JOINT DETAIL.

ANGLES SHALL BE A MINIMUM OR 1 1/2" X 1 1/2" X 16 GAUGE. FASTEN TO COLLAR WITH 1/4" DIAMETER NUTS AND BOLTS, WELDING 6" ON CENTER, NO. 10 SHEET METAL SCREWS 6" ON CENTER, OR 3/16" STEEL POP RIVETS. (SEE NOTE 4 FOR CLEARANCE AND OVERLAP.)

NOTES:

1. COLLARS SHALL BE OF THE SAME GAUGE OR HEAVIER AS THE DUCT TO WHICH IT IS ATTACHED. GAUGES SHALL CONFORM TO SMACNA OR ASH-RAE DUCT STANDARDS. COLLARS SHALL EXTEND APPROXIMATELY 3" ON EITHER SIDE OF WALL OR FLOOR TO FACILITATE THE JOINING OF THE COLLAR TO THE DUCT. IN CASES WHERE THE WIDTH OF THE RETAINING ANGLE IS SUCH THAT IT WOULD INHIBIT JOINING THE COLLAR TO THE DUCT, THE COLLAR MAY EXTEND APPROXIMATELY 2" BEYOND THE EDGE OF THE ANGLES. SEE NOTE 3.
2. THE FOLLOWING DUCT-COLLAR CONNECTIONS MAY BE USED ON ALL SYSTEMS:
   - INSIDE SLIP
   - PLAIN 'S' SLIP
   - HEMMED 'S' SLIP
   - BAR SLIP
   - ALTERNATE BAR SLIP (STANDING SLIP)
   - REINFORCED BAR SLIP (CLEAT)
   - DOUBLE 'S' SLIP
   - CUP SLIP
   - DRIVE SLIP
   - POCKET LOCK
3. WHEN THE DUCT WORK TERMINATES AT THE DAMPER, RETAINING ANGLES ON THE OPPOSITE SIDE OF THE OPENING MAY BE REVERSED PROVIDED THE SIZE OF THE OPENING IS INCREASED BY AN AMOUNT EQUAL TO TWICE THE COMBINED THICKNESS OF THE ANGLE AND THE HEIGHT OF THE SCREW OR BOLTHEAD TO MAINTAIN EXPANSION CLEARANCE. (SEE NOTE 4.) IN THIS CASE THE COLLAR AT THE OPEN END MAY BE MADE FLUSH WITH THE EDGE OF THE RETAINING ANGLE.
4. CLEARANCE BETWEEN THE COLLAR AND WALL/FLOOR OPENING SHALL BE 1/8" PER FOOT ON HEIGHT AND WIDTH OF COLLAR TO A MAXIMUM OF 1/2" (E.G. DAMPER 47 3/4" X 47 3/4", COLLAR 48" X 48", OPENING 48 1/2" X 48 1/2"). PERIMETER ANGLES SHALL OVERLAP THE WALL/FLOOR BY A MINIMUM OF 1".
5. MAXIMUM SINGLE DAMPER OF A MULTIPLE ASSEMBLY SHALL BE 36"X48". MAXIMUM MULTIPLE ASSEMBLY SHALL BE 72"X48".
6. IN CASES WHERE THE OPENINGS ARE LARGER THAN SPECIFIED IN NOTE 5, A 12" WIDE BRICK OR REINFORCED CONCRETE MULLION MUST BE PROVIDED BETWEEN ADJACENT ASSEMBLIES.
7. AS WITH ALL JOINTS, CONTRACTOR MUST SEAL DUCT-COLLAR CONNECTIONS, IN FIELD, AFTER INSTALLATION.
8. SUITABLE ACCESS SERVICE OPENINGS MUST BE PROVIDED TO MAKE FIRE DAMPERS ACCESSIBLE FOR INSPECTION AND SERVICING.
9. HORIZONTAL MOUNTINGS IDENTICAL.

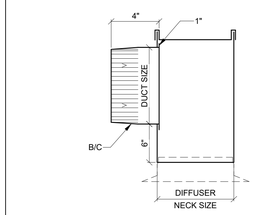
IMPORTANT:

- DO NOT CAST DAMPER IN PLACE.
- DO NOT FASTEN RETAINING ANGLES OR DAMPER DIRECTLY TO WALL OR FLOOR.
- CYCLE DAMPER AFTER INSTALLATION TO INSURE FREE MOVEMENT.
- DO NOT INSTALL DAMPER OUT OF SQUARE OR OUT OF FLAT.
- INSTALL DAMPER IN PLANE OF FIRE SEPARATION.

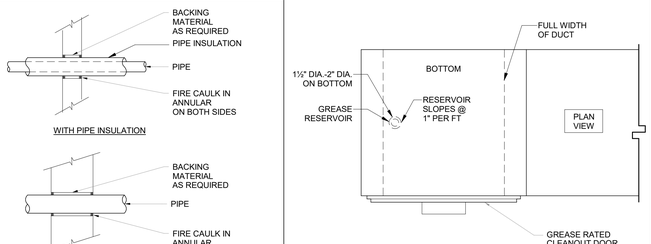
NOTE:

CAUTION - HEAVY SPRING USED TO LOAD SPRINT LINK ACTUATOR. USE CARE IN RESETTING LINK.

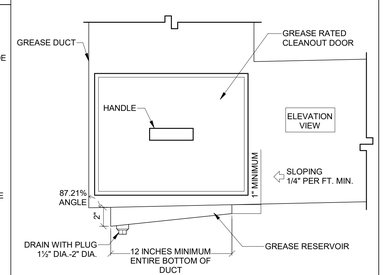
11 TM6.01 — FIRE / SMOKE DAMPER INSTALLATION DETAIL
N.T.S.



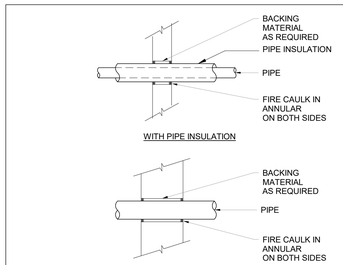
3 TM6.01 — DIFFUSER CAN DETAIL (NO PERF)
N.T.S.



APPROVED GREASE RATED AD. (12" BY 12" MIN)



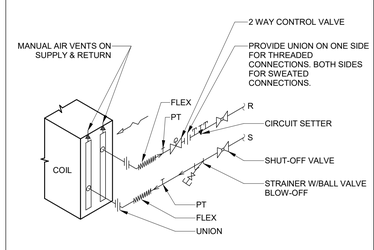
16 TM6.01 — GREASE RESERVOIR
N.T.S.



NOTE: INSTALL PER MFG. INSTRUCTIONS AND UL LISTING

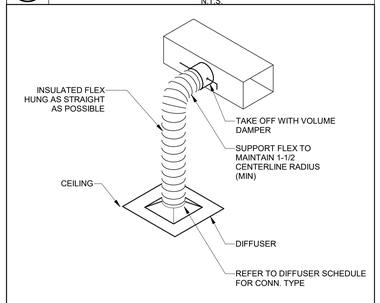
22 TM6.01 — PIPING THRU RATED WALLS
N.T.S.

2 TM6.01 — DUCTED TRANSFER GRILLE INSULATION DETAIL
N.T.S.



NOTE: A COMPLETE HOSE KIT W/ ALL COMPONENTS MAY BE PROVIDED.

21 TM6.01 — HYDRONIC COIL WITH 2-WAY CONTROL DETAIL
N.T.S.



1 TM6.01 — DIFFUSER INSTALLATION DETAIL
N.T.S.

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
A	SCHEMATIC DESIGN	2024-12-6

Job Number 7725-4055

TITLE

DETAILS - MECHANICAL

SHEET NUMBER

TM6.01

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LIGHT FIXTURES

CIRCUITS: EMERGENCY NORMAL

DTS=DRAWN TO SCALE NTS=NOT TO SCALE LTS=LENGTH ONLY TO SCALE, REFER TO FIXTURE SCHEDULE

- a LOWER-CASE LETTER DENOTES SWITCH LEG
- RECESSED, DTS
- SURFACE-MOUNTED, DTS
- STRIP, LTS
- WALL-MOUNTED, LTS
- RECESSED DOWNLIGHT, DTS
- SURFACE-MOUNTED DOWNLIGHT, DTS
- PENDANT-MOUNTED, DTS
- LINEAR PENDANT-MOUNTED, LTS
- WALL-MOUNTED, NTS
- WALL-MOUNTED, VERTICALLY ORIENTED, NTS
- N/A CONTINUOUS LED TAPE-LIGHT, LTS
- N/A EXIT SIGN, FILLED SIDE ILLUMINATED, DIRECTIONAL ARROWS AS INDICATED, NTS
- N/A EMERGENCY BATTERY PACK, NTS
- N/A EXIT WITH EMERGENCY BATTERY PACK, NTS

LIGHTING CONTROLS

- $a LOWER-CASE LETTER DENOTES CIRCUIT CONTROLLED
- $ SINGLE-POLE SWITCH
- DIMMER SWITCH
- $2 DOUBLE-POLE SWITCH
- $3 3-WAY SWITCH
- $4 4-WAY SWITCH
- $K KEY-OPERATED SWITCH
- $LV MOMENTARY CONTACT, LOW-VOLTAGE SWITCH
- $O OCCUPANCY SENSOR SWITCH
- $T TIMECLOCK
- $PC PHOTOCELL SWITCH
- OS OCCUPANCY SENSOR, CEILING-MOUNTED
- PC PC PHOTOCELL CONTROL, WALL-MOUTED & CEILING-MOUNTED
- PS PHOTO SENSOR CONTROL, CEILING-MOUNTED

FIRE ALARM

- FIRE SERVICE PHONE STATION
- SMOKE DETECTOR
- DUCT SMOKE DETECTOR
- HEAT DETECTOR
- F MANUAL PULL STATION
- STROBE, WALL-MOUNTED & CEILING-MOUNTED
- SPEAKER, WALL-MOUNTED & CEILING-MOUNTED
- HORN, WALL-MOUNTED & CEILING-MOUNTED
- SPEAKER WITH STROBE, WALL-MOUNTED & CEILING-MOUNTED
- HORN WITH STROBE, WALL-MOUNTED & CEILING-MOUNTED
- FACP CONTROL PANEL
- FARA REMOTE ANNUCIATOR
- FARP REMOTE PANEL
- FATC TERMINAL CABINET
- SPRINKLER FLOW SWITCH
- SPRINKLER TAMPER SWITCH

ONE-LINE DIAGRAM

- AVAILABLE FAULT CURRENT IDENTIFICATION
- A AMMETER
- ARRESTOR, SURGE
- ARRESTOR, LIGHTNING
- AUTOMATIC TRANSFER SWITCH (ATS)
- BUSWAY END TAP
- B BUSWAY PLUG
- CAPACITOR
- CIRCUIT BREAKER
- CIRCUIT BREAKER, NETWORK PROTECTOR
- GF CIRCUIT BREAKER, GFI
- CIRCUIT BREAKER, DRAWOUT
- XX XX CIRCUIT BREAKER, DRAWOUT, MEDIUM VOLTAGE
- CIRCUIT BREAKER, THERMAL OVERLOAD
- CIRCUIT BREAKER, MAGNETIC OVERLOAD
- CONTACT, NORMALLY OPEN & NORMALLY CLOSED
- C CONTACTOR
- DELTA CONNECTED
- G ENGINE-GENERATOR
- FUSE (ISOLATING)
- FUSE OR CURRENT LIMITER
- FUSED SWITCH
- GROUND
- K KEY INTERLOCK
- M METER
- PM POWER METER
- PUSHBUTTON
- R RELAY
- G RELAY, GFI
- SPD SURGE PROTECTIVE DEVICE
- SWITCH, 2-POLE
- H A O SWITCH, 3-POLE
- THERMAL ELEMENT
- TRANSFORMER
- TRANSFORMER, CURRENT
- V VOLTMETER
- WHM WATT HOUR METER
- WYE CONNECTED

EQUIPMENT

- EQUIPMENT CONNECTION
- GROUND BAR, LENGTH TO SCALE
- MOTOR CONNECTION, SINGLE-PHASE
- MOTOR CONNECTION, THREE-PHASE
- SPD SURGE PROTECTIVE DEVICE
- TRANSFORMER

CONTROLS

- DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- MOTOR STARTER
- MANUAL MOTOR STARTER
- COMBINATION MOTOR STARTER FUSED DISCONNECT SWITCH
- ENCLOSED CIRCUIT BREAKER
- PUSH BUTTON CONTROL STATION
- AUTO DOOR PUSHPLATE
- HANDWAVE DOOR OPENER
- EMERGENCY POWER OFF (EPO)
- $M MOTOR-RATED TOGGLE SWITCH
- VFD VARIABLE FREQUENCY DRIVE

TELECOM

- DATA OUTLET
- VOICE OUTLET
- COMBINATION DATA AND VOICE OUTLET
- DATA OUTLET, FLUSH FLOOR BOX
- DATA OUTLET, CEILING MOUNTED
- COMBINATION DATA AND POWER OUTLET, FLUSH FLOOR BOX
- COMBINATION DATA AND POWER OUTLET, CEILING MOUNTED
- TELECOMMUNICATIONS GROUNDING BAR, LENGTH TO SCALE
- TELECOMMUNICATIONS MAIN GROUNDING BAR, LENGTH TO SCALE
- CABLE TRAY
- WAP (WIRELESS ACCESS POINT)

RECEPTACLES

CIRCUITS: EMERGENCY NORMAL

- SINGLE, 120V
- DUPLEX, 120V
- DOUBLE DUPLEX, 120V
- SPLIT-WIRED DUPLEX, TOP SWITCHED
- SPLIT-WIRED DOUBLE DUPLEX, LEFT SWITCHED
- 208V OR 240V, SINGLE-PHASE
- N/A 208V OR 240V, THREE-PHASE
- N/A COMBINATION 120/208V OR 120/240V, SINGLE-PHASE
- N/A 480V, SINGLE-PHASE
- N/A 480V, THREE-PHASE
- SINGLE, 120V, TWIST LOCK
- DUPLEX, 120V, TWIST LOCK
- N/A 208V OR 240V, SINGLE-PHASE, TWIST LOCK
- N/A 208V OR 240V, THREE-PHASE, TWIST LOCK
- N/A COMBINATION 120/208V OR 120/240V, SINGLE-PHASE, TWIST LOCK
- N/A 480V, SINGLE-PHASE, TWIST LOCK
- N/A 480V, THREE-PHASE, TWIST LOCK
- SINGLE, 120V, FLUSH FLOOR BOX
- DUPLEX, 120V, FLUSH FLOOR BOX
- DOUBLE DUPLEX,120V, FLUSH FLOOR BOX
- SPLIT-WIRED, 120V, FLUSH FLOOR BOX
- SINGLE, 120V, CEILING MOUNTED
- DUPLEX, 120V, CEILING MOUNTED
- DOUBLE DUPLEX, 120V, CEILING MOUNTED
- SPLIT-WIRED, 120V, CEILING MOUNTED

POLES & POKE-THROUGHS

- POWER POKE-THROUGH
- DATA POKE-THROUGH
- COMBINATION POWER & DATA POKE-THROUGH
- POWER POLE
- DATA POLE
- COMBINATION POWER & DATA POLE

RECEPTACLE TYPES

- AC MOUNTED 3" ABOVE COUNTER BACKSPLASH
- D DEDICATED CIRCUIT
- G GROUND FAULT CIRCUIT INTERRUPTER (GFCI)
- GT GFCI AND TAMPER RESISTANT
- I ISOLATED GROUND
- T TAMPER RESISTANT
- WP GFCI WITH WEATHER PROOF COVER

PANELBOARDS

- 208V SYSTEM PANELBOARD
- 480V SYSTEM PANELBOARD

CIRCUITS

- RACEWAY CONCEALED IN CEILING OR WALL
- EXISTING RACEWAY
- RACEWAY BELOW SLAB OR UNDERGROUND
- RACEWAY UP
- RACEWAY DOWN
- RACEWAY STUB-OUT WITH BUSHING
- CIRCUIT CONTINUATION
- HOMERUN
- J J JUNCTION BOX
- PB PULL BOX

WORK DEFINITION

- FLAG NOTE
- REVISION IDENTIFICATION
- EQUIPMENT IDENTIFICATION
- # # DETAIL REFERENCE
- # ### SECTION REFERENCE
- N PROJECT NORTH REFERNCE
- NEW WORK
- EXISTING CONDITIONS
- FUTURE WORK
- ××× DEMOLISH EXISTING

STANDARD MOUNTING HEIGHTS

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

RECEPTACLES	18" VERTICALLY MOUNTED
SWITCHES	43" VERTICALLY MOUNTED
CLOCK OUTLET	80"
PANELBOARDS	72" TO TOP OF PANELBOARD IN BOX IS <68" HIGH, OTHERWISE PER NEC 404.8
INTERCOM	43"
CARD READER	43"
TELECOM OUTLET, DESK HANDSET	18" VERTICALLY MOUNTED
TELECOM OUTLET, WALL HANDSET	43" VERTICALLY MOUNTED
VOLUME CONTROLLER	43"
FIRE ALARM PULL STATION	43"
FIRE ALARM AUDIBLE NOTIFACTION DEVICES	TOP EDGE 90" AFF MINIMUM & 6" BELOW CEILING MINIMUM. (6" MINIMUM BELOW CEILING TAKES PRECEDENCE WHERE BOTH REQUIREMENTS CANNOT BE MET.)
FIRE ALARM VISUAL & COMBINATION AUDIBLE/VISUAL NOTIFICATION DEVICES	BOTTOM EDGE 80"AFF MINIMUM & TOP EDGE 96" AFF MINIMUM.
FIRE ALARM CONTROL PANEL	72" TO TOP OF PANEL

GENERAL NOTES:

1. ALL ELECTRICAL WORK AND MATERIALS ARE TO COMPLY WITH THE LATEST REQUIREMENTS OF ALL APPLICABLE CITY, COUNTY, AND STATE CODES AS WELL AS THE NATIONAL ELECTRICAL CODE AS ADOPTED AND AMENDED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
2. FOR EXACT LOCATIONS OF ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES, REFER TO THE ARCHITECTURAL DRAWINGS.

ABBREVIATIONS

A,AMP	AMPERE
ABV	ABOVE
AC	3" ABOVE COUNTER BACKSPLASH
ACH	ABOVE COUNTER HEIGHT
AFCI	ARC-FAULT CIRCUIT INTERRUPTING
AFF	ABOVE FINISHED FLOOR
AG	ABOVE GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AM	AMMETER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
A/V	AUDIO/VISUAL
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BKR	BREAKER
CATV	COMMUNITY ACCESS TELEVISION
C	CONDUIT
CO	CONDUIT ONLY
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CM	CEILING MOUNTED
COMM	COMMUNICATIONS
CTRL	CONTROL
CU	COPPER
D	DATA
DC	DIRECT CURRENT
DED	DEDICATED
DEV	DEVICE
DIV	DIVISION
DN	DOWN
DTS	DRAWN TO SCALE
DW	DISHWASHER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EF	ENTRANCE FACILITY
ER	EQUIPMENT ROOM/EMERGENCY ROOM
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FB	FLOOR BOX
FBOIC	FURNISHED BY OTHERS, INSTALLED BY CONTRACTOR
FI	FILM ILLUMINATOR
FO	FIBER OPTIC(AL)
FOC	FACE OF COLUMN
G,GND	GROUND
GD	GARBAGE DISPOSAL
GEN	GENERATOR
GFI,GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HH	HAND HOLE
HP	HORSEPOWER
HTR	HEATER
IDF	INTERMEDIATE DISTRIBUTION FRAME
IHW	INSTA-HOT WATER DISPENSER
JB,J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LS	LIFE SAFETY
LTG	LIGHTING
LTS	LENGTH ONLY TO SCALE
LV	LOW VOLTAGE
MAG	MAGNETIC
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MM	MULTIMODE
MTD	MOUNTED
MW	MICROWAVE
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OCPD	OVERCURRENT PROTECTIVE DEVICE
OPER	OPERATER/OPERABLE
OPOI	OWNER PROVIDED OWNER INSTALLED
PB	PULLBOX
PNL	PANEL, PANELBOARD
POS	POSITION/POINT OF SALE
PR	PAIR
PTS	PNEUMATIC TUBE STATION
PWR	POWER
R	RACEWAY
RO	RACEWAY ONLY
RCP	REFLECTED CEILING PLAN
RCPT	RECEPTACLE
REF	REFRIGERATOR
SLV	SLEEVE
SM	SINGLEMODE
SMR	SURFACE MOUNTED RACEWAY
SPECS	SPECIFICATIONS
SW	SWITCH
SWBD	SWITCHBOARD
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TP	TRAP PRIMER
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER
UF	UNDER FLOOR
UG	UNDER GROUND
UL	UNDERWRITERS' LABORATORIES
UON	UNLESS OTHERWISE NOTED
UTP	UNSHIELDED TWISTED PAIR
V	VOLT OR VOICE
VEL	VERIFY EXACT LOCATION
W	WIRE, WATT, OR WALLPHONE
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
XFMR	TRANSFORMER
Ø	PHASE

SHEET LIST

DRAWINGS SHEET LIST - PHASE 1	
SHEET NUMBER	SHEET NAME
E00-00	SYMBOLS AND ABBREVIATIONS
E10-00	OVERALL PHASING PLAN
E10-10	PHASE 1 - OVERALL DEMOLITION FLOOR PLAN - LEVEL 01
E10-11	PHASE 1 - LIGHTING DEMOLITION PLAN - LEVEL 01
E10-12	PHASE 1 - POWER DEMOLITION PLAN - LEVEL 01
E10-20	PHASE 1 - OVERALL DEMOLITION FLOOR PLAN - LEVEL 02
E10-21	PHASE 1 - POWER AND LIGHTING DEMOLITION PLAN - LEVEL 02
E11-10	PHASE 1 - OVERALL FLOOR PLAN - LEVEL 01
E11-11	PHASE 1 - LIGHTING RCP - LEVEL 01
E11-12A	PHASE 1 - STEP 1 - POWER PLAN - LEVEL 01
E11-12B	PHASE 1 - STEP 1 - POWER PLAN - LEVEL 01
E11-12C	PHASE 1 - FINAL - POWER PLAN - LEVEL 01
E11-20	PHASE 1 - OVERALL FLOOR PLAN - LEVEL 02
E11-21	PHASE 1 - POWER AND LIGHTING PLAN - LEVEL 02
E11-22	PHASE 1 - ROOF POWER PLAN - LEVEL 03
E11-23	PHASE 1 - ROOF POWER PLAN - LEVEL 04
E50-00	ONE-LINE DIAGRAM - EXISTING 12.47kV
E50-03-1	PHASE 1 - ONE-LINE DIAGRAM - D & T WING
E50-04-1	PHASE 1 - ONE-LINE DIAGRAM - NORTH CENTRAL & SOUTH WINGS
E80-00	PHASE 1 - EQUIPMENT COORDINATION SCHEDULES
E80-01	PHASE 1 - EQUIPMENT COORDINATION SCHEDULES
E80-03	PHASE 1 - PANEL SCHEDULES

PHASE 1 PERMIT SET 04/24/2025

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

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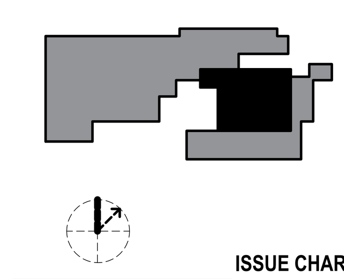
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

SYMBOLS AND ABBREVIATIONS

SHEET NUMBER

E00-00

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GENERAL NOTES:

1 PHASING PLAN SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL PLANS FOR FULL PHASING PLANS.

PHASING DIAGRAM

1/8" = 1'-0"

N

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

OVERALL PHASING PLAN

SHEET NUMBER

E10-00

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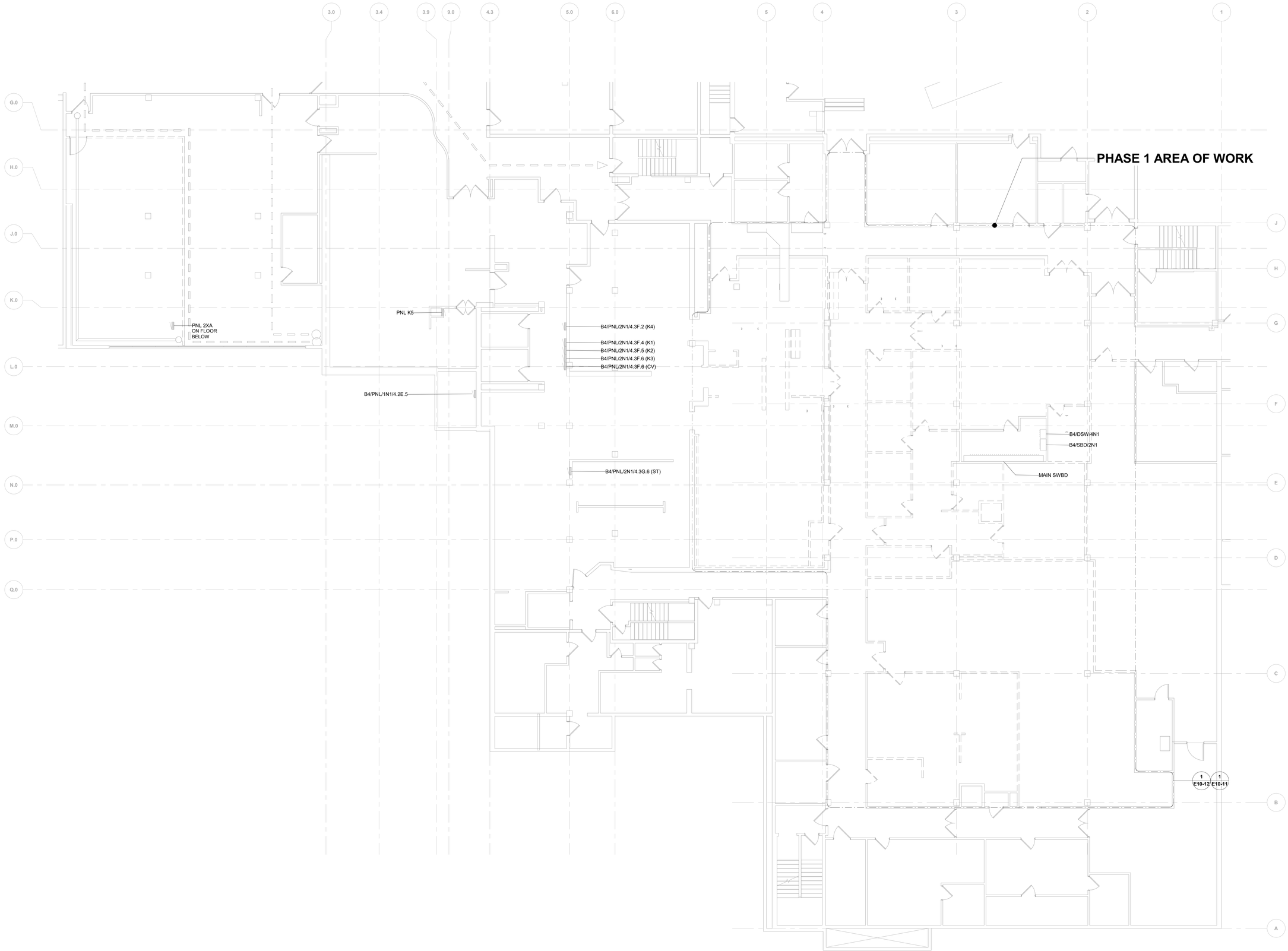

PHASE 1 - OVERALL DEMOLITION FLOOR PLAN - LEVEL 01

1/8" = 1'-0"

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PHASE 1 PERMIT SET 04/24/2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

PHASE 1 - OVERALL DEMOLITION FLOOR PLAN - LEVEL 01

SHEET NUMBER

E10-10

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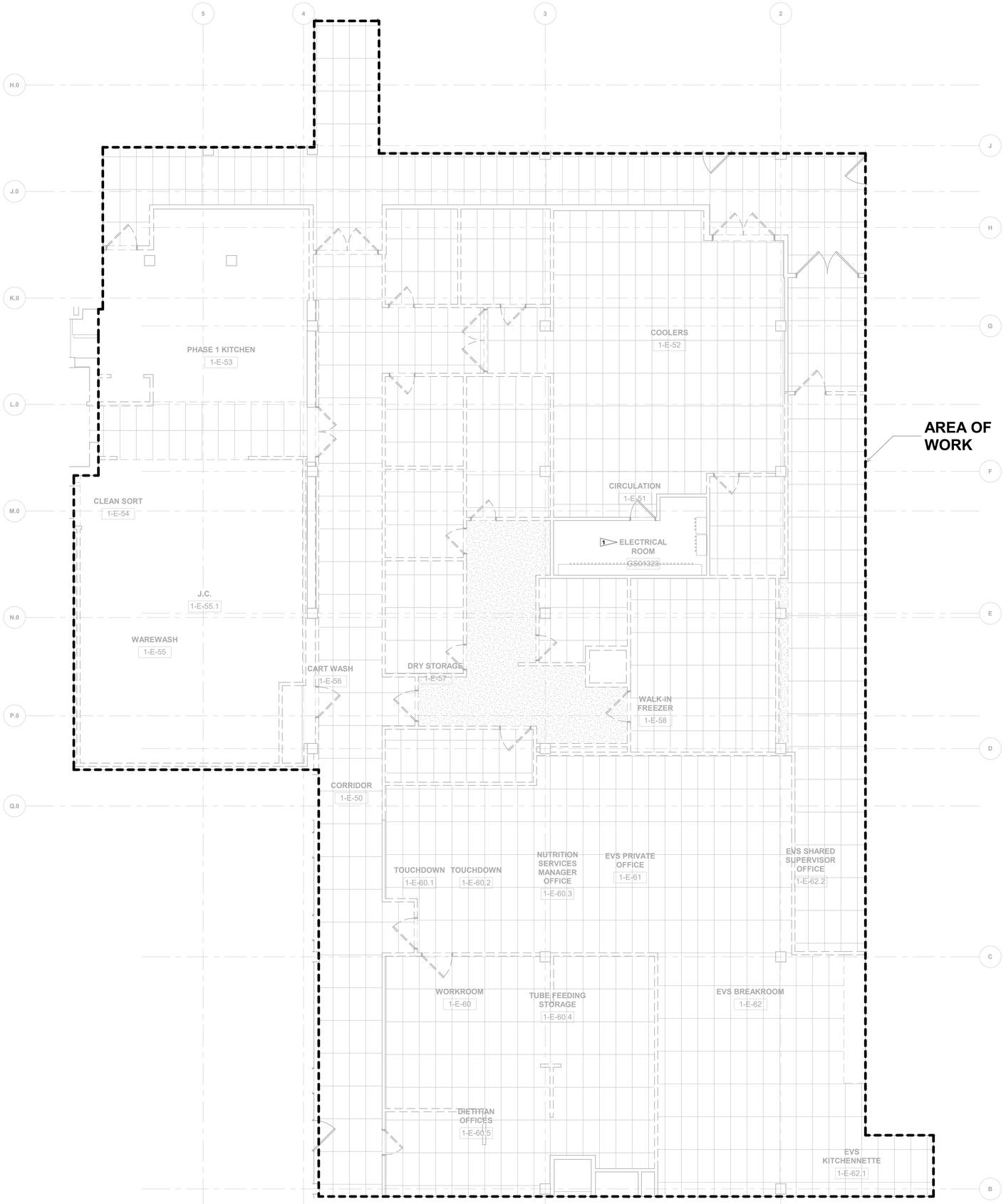

PHASE 1 - LIGHTING DEMOLITION PLAN - LEVEL 01

3/16" = 1'-0"

GENERAL NOTES:

1. MAINTAIN EXISTING SYSTEMS NOT IDENTIFIED FOR DEMOLITION. MAINTAINING EXISTING SYSTEMS INCLUDES RELOCATING THE SYSTEMS TO COORDINATE WITH WORK OF THIS CONTRACT, WHEN WORK OF THIS CONTRACT CANNOT BE DONE WHILE THE EXISTING SYSTEM IS IN ITS PRESENT LOCATION.
2. ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS, EXCEPT RELOCATION OF WIRING OF #2AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF WIRING LOCATION, REASON IT MUST BE MOVED, AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK.
3. EXAMINE DRAWINGS OF ALL DISCIPLINES TO DETERMINE WHERE WORK OF OTHER TRADES WILL OR IS LIKELY TO REQUIRE RELOCATION OF EXISTING SYSTEMS. REMOVE AND RELOCATE ELECTRICAL EQUIPMENT IN THE WAY OF WORK OF OTHER TRADES. EXACT RELOCATION REQUIREMENT OF EXISTING SYSTEMS TO REMAIN TO BE BASED ON DETAILED COORDINATION WITH OTHER TRADES. CONTRACTOR SHALL PROVIDE PROPOSED LOCATIONS OF RELOCATED DEVICES TO OWNER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
4. RELOCATION OF ANY SYSTEM SHALL BE PERMANENT.
5. REROUTE EXISTING CIRCUITS THAT ARE AFFECTED AS A RESULT OF THIS CONTRACT THAT SERVE DEVICES TO REMAIN IN SERVICE.
6. DEMOLISH ALL EXISTING LIGHTING FIXTURES, DEVICES, AND WIRING BACK TO NEAREST JUNCTION BOX OR LAST DEVICE TO REMAIN WITHIN AREA OF WORK ON THIS SHEET. CONTRACTOR TO FIELD VERIFY EXISTING CIRCUITS. SEE ARCHITECTURAL SHEET A05-01 FOR FULL EXTENT OF DEMOLITION.

FLAG NOTES:

1. MAINTAIN EXISTING LIGHTING FIXTURES AND DEVICES IN THIS ROOM.

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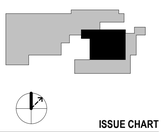
PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

PHASE 1 - LIGHTING DEMOLITION PLAN - LEVEL 01

SHEET NUMBER

E10-11

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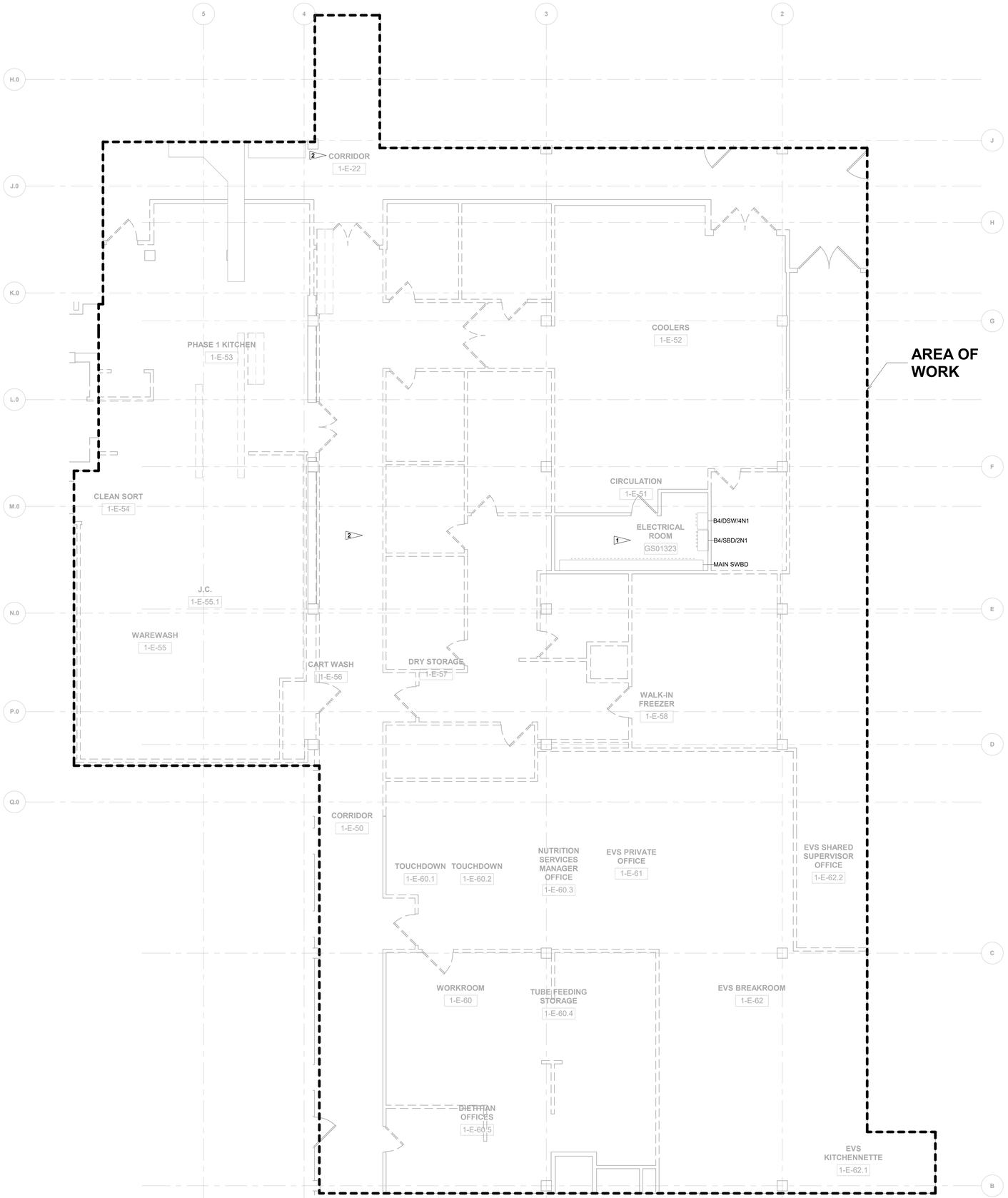

PHASE 1 - POWER DEMOLITION PLAN - LEVEL 01

3/16" = 1'-0"

N

GENERAL NOTES:

1. MAINTAIN EXISTING SYSTEMS NOT IDENTIFIED FOR DEMOLITION. MAINTAINING EXISTING SYSTEMS INCLUDES RELOCATING THE SYSTEMS TO COORDINATE WITH WORK OF THIS CONTRACT, WHEN WORK OF THIS CONTRACT CANNOT BE DONE WHILE THE EXISTING SYSTEM IS IN ITS PRESENT LOCATION.
2. ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS, EXCEPT RELOCATION OF WIRING OF #2AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF WIRING LOCATION, REASON IT MUST BE MOVED, AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK.
3. EXAMINE DRAWINGS OF ALL DISCIPLINES TO DETERMINE WHERE WORK OF OTHER TRADES WILL OR IS LIKELY TO REQUIRE RELOCATION OF EXISTING SYSTEMS. REMOVE AND RELOCATE ELECTRICAL EQUIPMENT IN THE WAY OF WORK OF OTHER TRADES. EXACT RELOCATION REQUIREMENT OF EXISTING SYSTEMS TO REMAIN TO BE BASED ON DETAILED COORDINATION WITH OTHER TRADES. CONTRACTOR SHALL PROVIDE PROPOSED LOCATIONS OF RELOCATED DEVICES TO OWNER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
4. RELOCATION OF ANY SYSTEM SHALL BE PERMANENT.
5. REROUTE EXISTING CIRCUITS THAT ARE AFFECTED AS A RESULT OF THIS CONTRACT THAT SERVE DEVICES TO REMAIN IN SERVICE.
6. DEMOLISH EXISTING RECEPTACLES AND WIRING BACK TO NEAREST JUNCTION BOX OR LAST DEVICE TO REMAIN WITHIN AREA OF WORK. CONTRACTOR TO FIELD VERIFY EXISTING CIRCUITS.

FLAG NOTES:

1. PROTECT AND MAINTAIN SYSTEMS IN THIS SPACE.
2. REPLACE EXISTING RECEPTACLES WITH LIKE-IN-KIND IN THIS CORRIDOR.

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PHASE 1 PERMIT SET 04/24/2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

PHASE 1 - POWER DEMOLITION PLAN - LEVEL 01

SHEET NUMBER

E10-12

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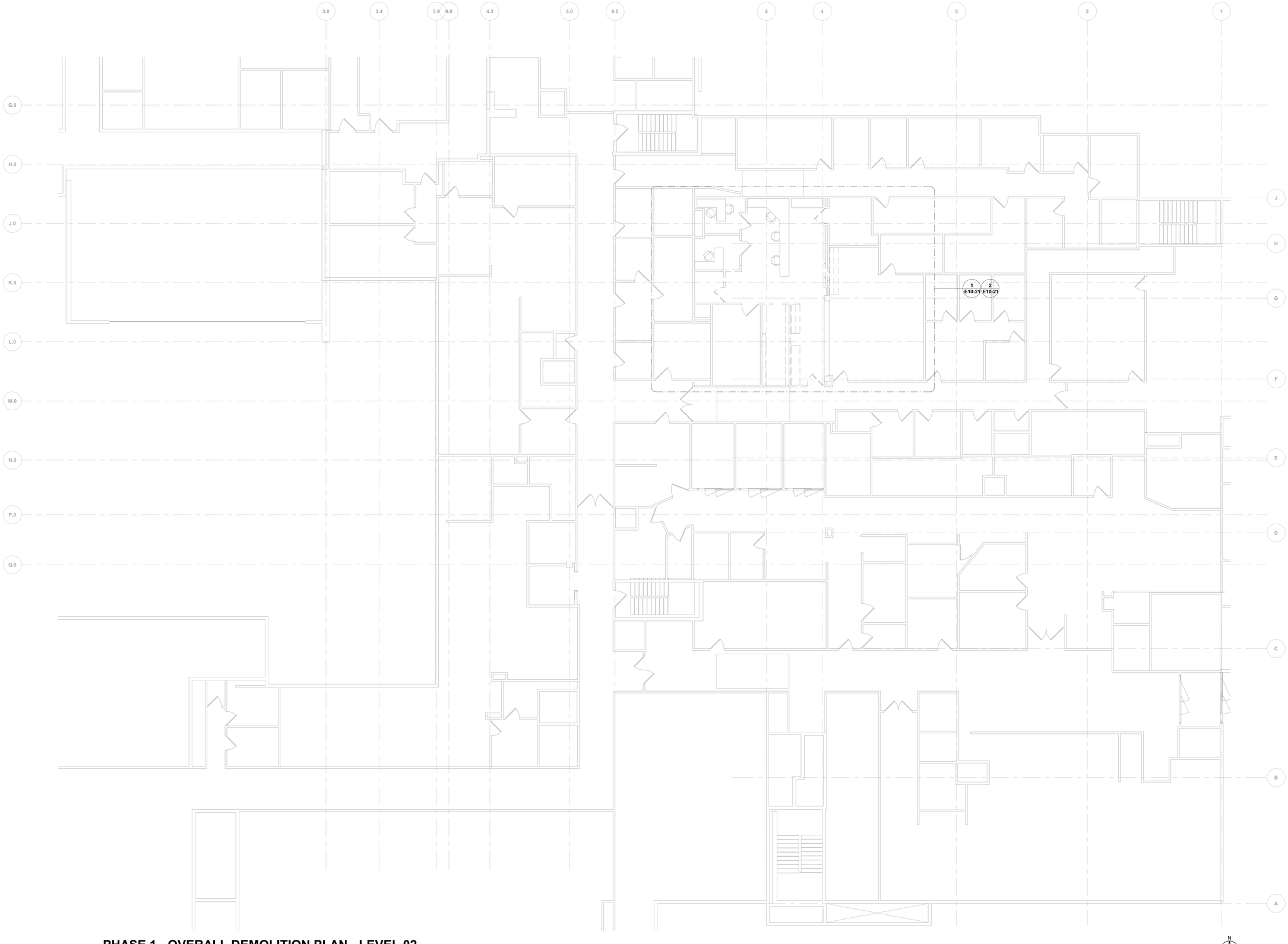

PHASE 1 - OVERALL DEMOLITION PLAN - LEVEL 02

1/8" = 1'-0"

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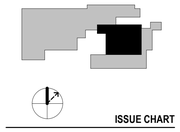
MultiCare
Good Samaritan Hospital

MULTICARE

PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

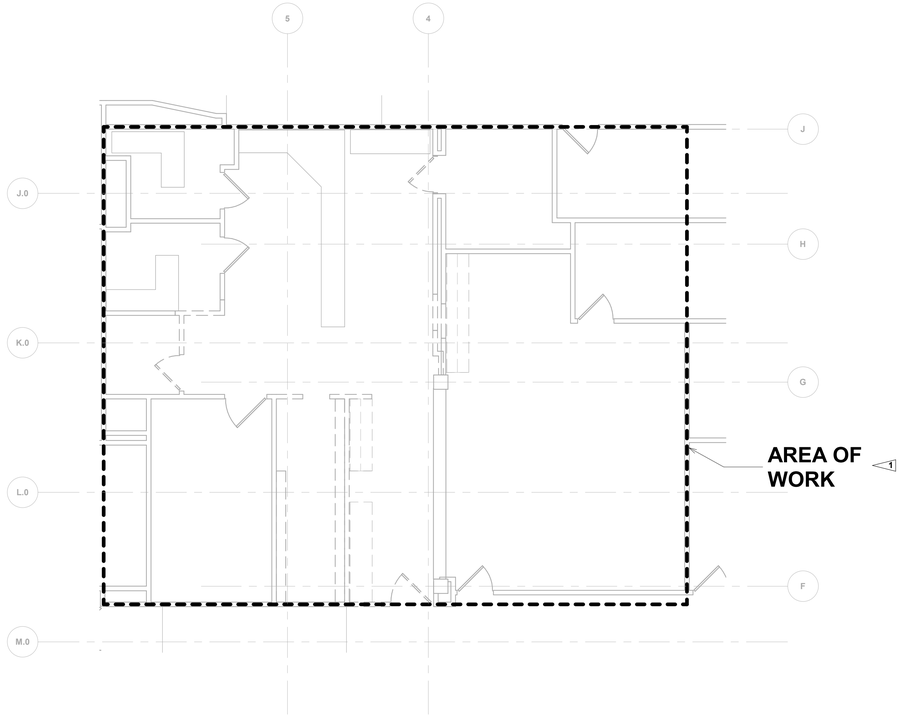
PHASE 1 - OVERALL DEMOLITION PLAN - LEVEL 02

SHEET NUMBER

E10-20

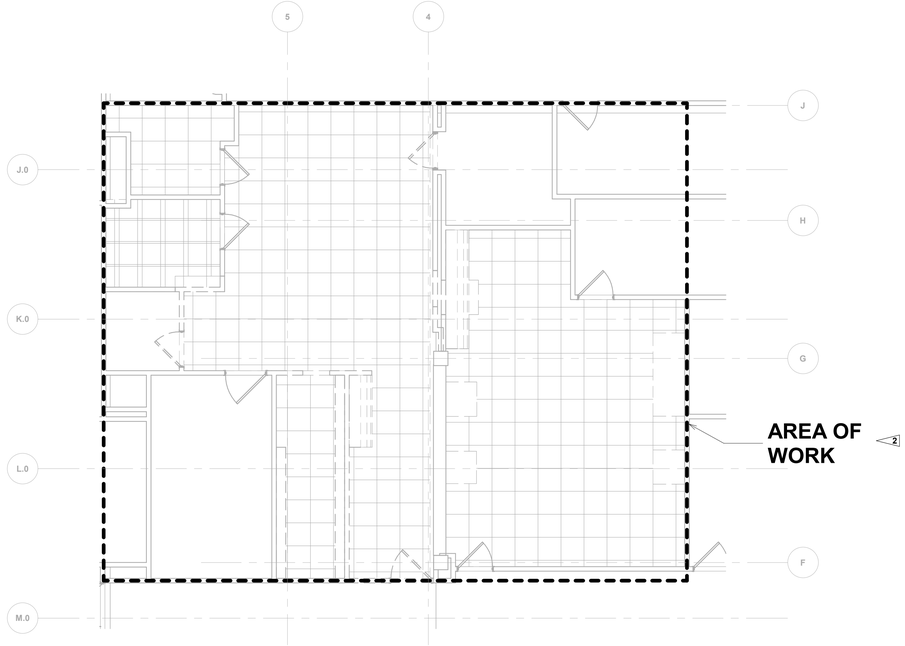
ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

4/21/2025 8:50:15 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/ELEC-MultiCare-Kitchen-R25.rvt



1 PHASE 1 - POWER DEMOLITION PLAN - LEVEL 02

3/16" = 1'-0"



2 PHASE 1 - LIGHTING DEMOLITION PLAN - LEVEL 02

3/16" = 1'-0"

GENERAL NOTES:

1 MAINTAIN EXISTING SYSTEMS NOT IDENTIFIED FOR DEMOLITION. MAINTAINING EXISTING SYSTEMS INCLUDES RELOCATING THE SYSTEMS TO COORDINATE WITH WORK OF THIS CONTRACT, WHEN WORK OF THIS CONTRACT CANNOT BE DONE WHILE THE EXISTING SYSTEM IS IN ITS PRESENT LOCATION.

2 ANY EXISTING WIRING SERVING DEVICES TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE REROUTED TO MAINTAIN CIRCUIT CONTINUITY. CONTRACTOR SHALL ASSUME THE RISK OF MAINTAINING EXISTING SYSTEMS, EXCEPT RELOCATION OF WIRING OF #2AWG AND ABOVE SHALL BE CONSIDERED AN ADDITIONAL COST IF NOT SHOWN TO BE RELOCATED. IF SUCH WIRING IS FOUND THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF WIRING LOCATION, REASON IT MUST BE MOVED, AND COST OF RELOCATION AND RECEIVE THE OWNER'S APPROVAL BEFORE PROCEEDING WITH THE WORK.

3 EXAMINE DRAWINGS OF ALL DISCIPLINES TO DETERMINE WHERE WORK OF OTHER TRADES WILL OR IS LIKELY TO REQUIRE RELOCATION OF EXISTING SYSTEMS. REMOVE AND RELOCATE ELECTRICAL EQUIPMENT IN THE WAY OF WORK OF OTHER TRADES. EXACT RELOCATION REQUIREMENT OF EXISTING SYSTEMS TO REMAIN TO BE BASED ON DETAILED COORDINATION WITH OTHER TRADES. CONTRACTOR SHALL PROVIDE PROPOSED LOCATIONS OF RELOCATED DEVICES TO OWNER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.

4 RELOCATION OF ANY SYSTEM SHALL BE PERMANENT.

5 REROUTE EXISTING CIRCUITS THAT ARE AFFECTED AS A RESULT OF THIS CONTRACT THAT SERVE DEVICES TO REMAIN IN SERVICE.

6 DEMOLISH ALL EXISTING LIGHTING FIXTURES, DEVICES, AND WIRING BACK TO NEAREST JUNCTION BOX OR LAST DEVICE TO REMAIN WITHIN AREA OF WORK ON THIS SHEET. CONTRACTOR TO FIELD VERIFY EXISTING CIRCUITS. SEE ARCHITECTURAL SHEET A05-01 FOR FULL EXTENT OF DEMOLITION.

FLAG NOTES:

1 PROTECT AND MAINTAIN POWER IN THIS AREA OF WORK.

2 PROTECT AND MAINTAIN EXISTING LIGHT FIXTURES AND CONTROL DEVICES IN PLACE. REFER TO A12-02 AND MECHANICAL DRAWINGS FOR COORDINATION WITH NEW DUCTWORK LOCATIONS. ASSUME RELOCATION OF UP TO FOUR (4) LIGHT FIXTURES.

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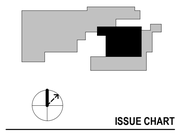
PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

PHASE 1 - POWER AND LIGHTING DEMOLITION PLAN - LEVEL 02

SHEET NUMBER

E10-21

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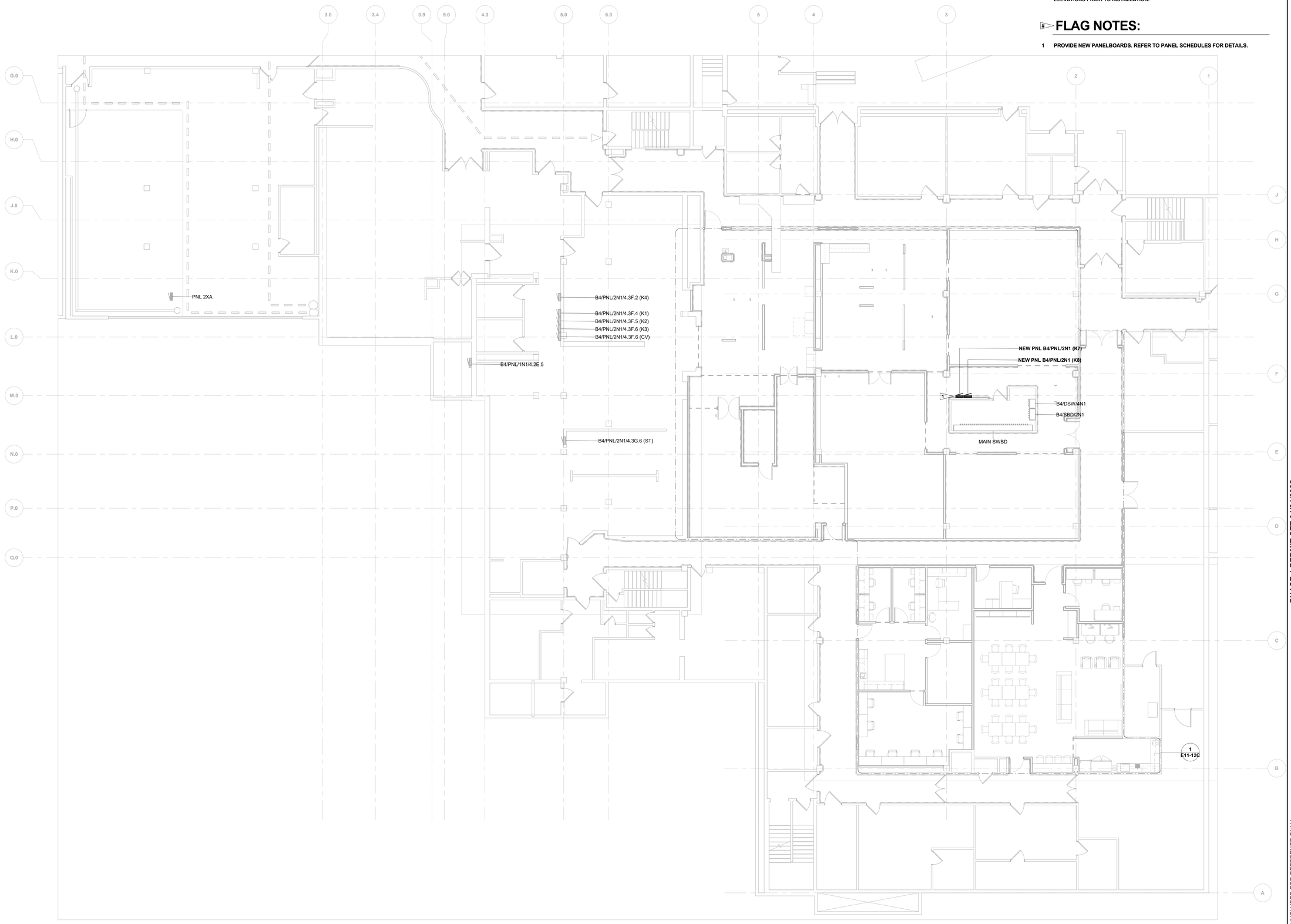
4/21/2025 8:50:15 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/ELEC-MultiCare-Kitchen-R25.rvt

GENERAL NOTES:

1 COORDINATE ALL WALL-MOUNTED DEVICES WITH ARCHITECTURAL PLANS AND ELEVATIONS PRIOR TO INSTALLATION.

FLAG NOTES:

1 PROVIDE NEW PANELBOARDS. REFER TO PANEL SCHEDULES FOR DETAILS.



PHASE 1 - OVERALL FLOOR PLAN - LEVEL 01

1/8" = 1'-0"

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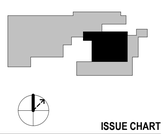
PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number	B24-1111	

TITLE

PHASE 1 - OVERALL FLOOR PLAN - LEVEL 01

SHEET NUMBER

E11-10

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

4/21/2025 8:50:17 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/ELEC-MultiCare-Kitchen-R25.rvt

PHASE 1 - LIGHTING RCP - LEVEL 01

3/16" = 1'-0"

GENERAL NOTES:

1. LIGHTING DESIGN AND FIXTURE SELECTION IS BY OTHERS. VERIFY ALL SELECTIONS AND FIXTURE LOCATIONS WITH OWNER AND LIGHTING DESIGNER PRIOR TO COMMITTING TO A LIGHTING PACKAGE. REFER TO SHEET E80-00 FOR FIXTURE SCHEDULE.
2. ALL LIGHTING FIXTURES IDENTIFIED BY AN "EM" AS EMERGENCY EGRESS LIGHTING. ALL "EM" FIXTURES SHALL BE ON GENERATOR BACKUP CIRCUITED TO PANEL 2XA, AND SHALL TURN ON UPON LOSS OF UTILITY POWER REGARDLESS OF THE STATE OF THE LIGHTING CONTROL DEVICE(S).
3. LIGHTING PLANS DENOTE FIXTURE POSITIONS RELATIVE TO THE PLAN DRAWINGS PROVIDED BY THE ARCHITECT. COORDINATE LOCATIONS WITH ARCHITECTURAL RCPs.
4. PROVIDE ALL NECESSARY COMPONENTS FOR A FULLY FUNCTIONING LIGHTING CONTROL SYSTEM THAT IS COMPLIANT WITH THE NEC AND ALL LOCAL MUNICIPAL CODES. SYSTEM SHALL CONFORM TO 2021 WA STATE ENERGY CODE REQUIREMENTS FOR CONTROLS. FINAL CONTROLS SHALL BE BY LIGHTING CONTROLS MANUFACTURER WHO WILL PROVIDE SHOP DRAWINGS AND CONTROLS WIRING DIAGRAMS.
5. WALK-IN FREEZERS AND COOLERS SHALL BE IN COMPLIANCE WITH 2021 WSEC SECTION C410. PROVIDE LIGHTING CONTROLS COMPLIANT WITH C410.3.11.
6. CORRIDOR AND KITCHEN LIGHTING SHALL BE CONTROLLED VIA TIME-CLOCK.

FLAG NOTES:

1. REFER TO POWER PLANS FOR LIGHTING AND SWITCHES FOR WALK-IN COOLERS AND FREEZERS.
2. PROVIDE PROGRAMMABLE ASTRONOMICAL CLOCK TIME SWITCH. FIXTURES TO BE ON DURING BUSINESS HOURS AND OFF OTHERWISE. PROVIDED WITH 2-HR MANUAL OVERRIDE.
3. PROVIDE AUTO ON/AUTO OFF OCCUPANCY SENSOR. AUTO ON FUNCTION ALLOWED PER 2021 WSEC C405.2.1.1 FOR OCCUPANT SAFETY. AUTO OFF FUNCTION TO TURN OFF LIGHTS WITHIN 20 MINUTES OF VACANCY.
4. LIGHT SWITCH FOR DRY STORAGE 1-E-57.
5. EXISTING LIGHTING IN THIS AREA TO REMAIN. NEW LIGHT FIXTURES AND LIGHTING CONTROLS SHALL BE ADDED IN PHASE 2.
6. PROVIDE 8"x8"x4" BOX AND CONTRACTORS FOR LIGHTING CONTROL DEVICES.
7. LOCAL 2-HR OVERRIDE FOR TIMECLOCK CONTROLLED FIXTURES.

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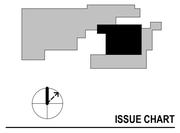
PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

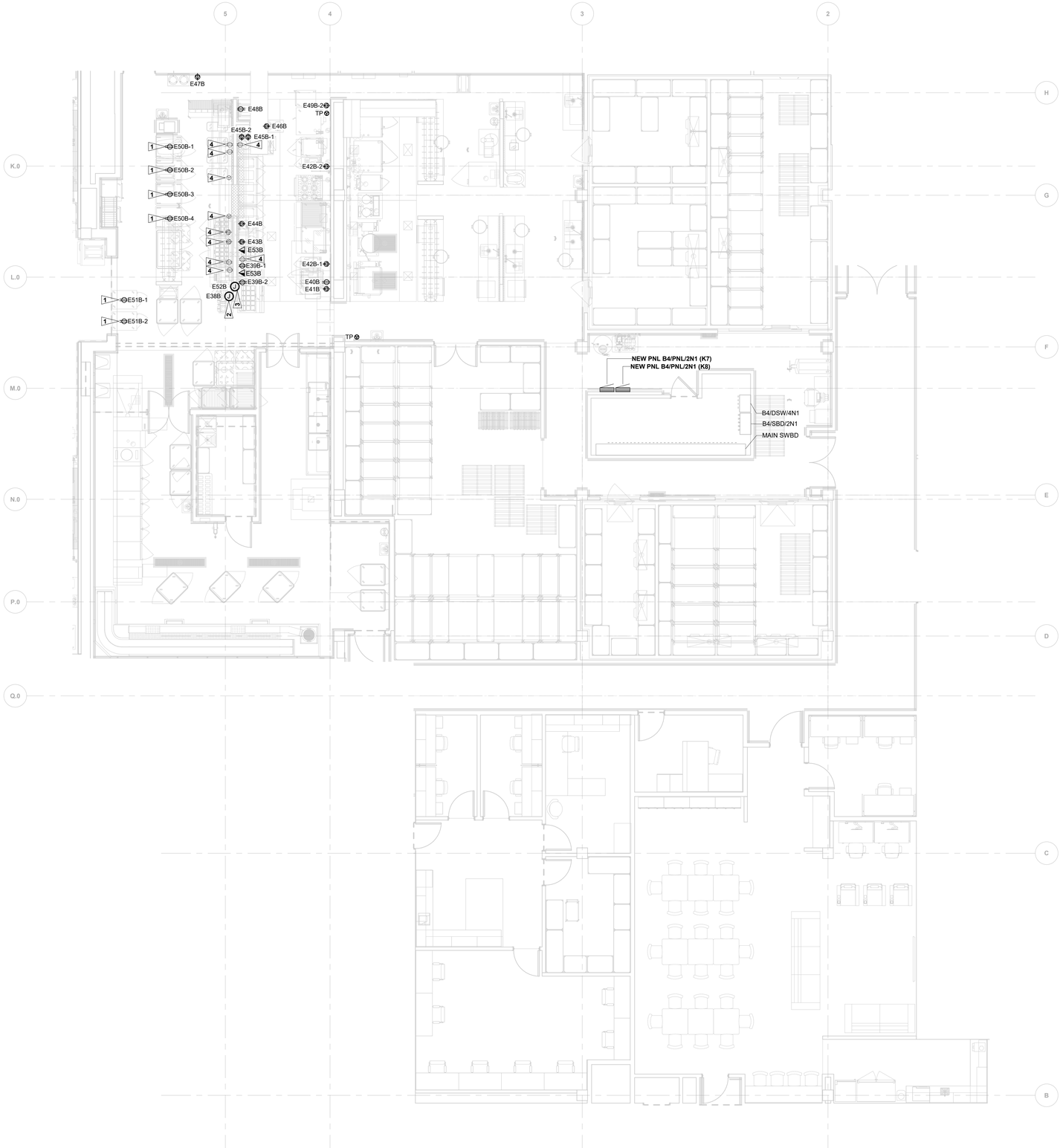
PHASE 1 - LIGHTING RCP - LEVEL 01

SHEET NUMBER

E11-11

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

4/21/2025 8:59:19 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/ELEC-MultiCare-Kitchen-R25.rvt



PHASE 1 - STEP 1 - POWER FLOOR PLAN - LEVEL 01

3/16" = 1'-0"

GENERAL NOTES:

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT DEVICE LOCATIONS, MOUNTING HEIGHT, AND PLACEMENT REQUIREMENTS.
2. FIELD VERIFY CONDUIT ROUTING PRIOR TO COMMENCEMENT OF WORK.
3. PROVIDE FIRESTOPPING FOR ANY CONDUIT PENETRATIONS THROUGH RATED WALLS.
4. PROVIDE HALF-SWITCHED CONTROLLED RECEPTACLES WHERE REQUIRED PER WSEC C405.10 AND AS SINDICATED PER PLANS. THE RECEPTACLES SHALL BE PERMANENTLY LABELED PER NEC 406.3(E) AND CONTROLLED BY THE SAME AUTOMATIC CONTROL DEVICE THAT CONTROLS LIGHTING IN EACH SPACE. PROVIDE ALL WIRING AND RELAYS NECESSARY FOR A COMPLETELY FUNCTIONAL CONTROLS SYSTEM.
5. ALL BRANCH CIRCUIT WIRING SHALL BE #12 COPPER WITH FULL SIZE DEDICATED NEUTRAL CONDUCTOR UNLESS OTHERWISE NOTED, OR AS REQUIRED BY VOLTAGE DROP ANALYSIS. PROVIDE LARGER SIZE WIRE WHERE REQUIRED PER VOLTAGE DROP CALCULATIONS BASED ON THE RUN LENGTH AND THE INSTALLED CONDITIONS. PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR ALL BRANCH CIRCUITS. REFER TO E80-xx SERIES DRAWINGS FOR WIRING REQUIREMENTS FOR ALL MECHANICAL AND KITCHEN EQUIPMENT.
6. WALK-IN FREEZERS AND COOLERS SHALL BE IN COMPLIANCE WITH 2021 WSEC SECTION C410. PROVIDE LIGHTING CONTROLS COMPLIANT WITH C410.3.11.
7. PROVIDE SHUNT-TRIP FOR ALL CIRCUITS FEEDING DEVICES INSTALLED UNDER THE HOOD.
8. PROVIDE GFCI PROTECTION PER NEC 210.8(B)(2) FOR ALL RECEPTACLES INSTALLED IN KITCHEN AREA, VIA GFCI CIRCUIT BREAKERS IN KITCHEN PANELS.
9. PROVIDE LINE-OF-SIGHT DISCONNECTING MEANS FOR ALL HARDWIRED EQUIPMENT. COORDINATE SWITCH/DISCONNECT LOCATION FOR EACH WITH ARCHITECT AND KITCHEN DESIGNER.
10. REFER TO FOOD AND BEVERAGE PACKAGE FOR ADDITIONAL DETAILS AND NOTES ON KITCHEN DESIGN AND REQUIREMENTS. POWER REQUIREMENTS INDICATED MAY NOT BE EXACT FOR ALL EQUIPMENT. EC TO VERIFY ALL LOAD DATA AND CONNECTION TYPES WITH FINAL EQUIPMENT SUBMITTALS.
11. COORDINATE FOOD SERVICE LINE VOLTAGE AND LOW VOLTAGE CONTROLS WIRING CONNECTIONS LOCATION WITH FOOD SERVICE VENDOR.
12. FIRE ALARM DESIGN IS BY FIRE ALARM SUBCONTRACTOR. ALL NEW DEVICES SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM.
13. ROUTE ALL LOW VOLTAGE CABLING TO NEAREST EXISTING IDF ROOM, OR AS OTHERWISE DIRECTED BY OWNER IT TEAM. PROVIDE NEW PATCH PANELS IN THE IDF ROOM AS NECESSARY.

FLAG NOTES:

1. PROVIDE DUPLEX RECEPTACLE ON DROP CORD.
2. PROVIDE 208V/1PH CONNECTION TO LOAD-CENTER FOR SERVING COUNTER. WIRING AND DEVICES IN COUNTER PREFABRICATED BY FACTORY.
3. PROVIDE SPARE CONDUIT WITH PULLSTRING TERMINATED IN WALL JUNCTION BOX FOR EDP/POS. VERIFY FINAL SIZE WITH OWNER.
4. INCLUDED UNDER CONNECTION FOR E38B. WIRING AND DEVICE IS PREFABRICATED BY FACTORY.

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PHASE 1 PERMIT SET 04/24/2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

PHASE 1 - STEP 1 - POWER PLAN - LEVEL 01

SHEET NUMBER

E11-12A

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4/21/2025 8:50:22 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/ELEC-MultiCare-Kitchen-R25.rvt

PHASE 1 - STEP 2 - POWER FLOOR PLAN - LEVEL 01

3/16" = 1'-0"

GENERAL NOTES:

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT DEVICE LOCATIONS, MOUNTING HEIGHT, AND PLACEMENT REQUIREMENTS.
2. FIELD VERIFY CONDUIT ROUTING PRIOR TO COMMENCEMENT OF WORK.
3. PROVIDE FIRESTOPPING FOR ANY CONDUIT PENETRATIONS THROUGH RATED WALLS.
4. PROVIDE HALF-SWITCHED CONTROLLED RECEPTACLES WHERE REQUIRED PER WSEC C405.10 AND AS SINDICATED PER PLANS. THE RECEPTACLES SHALL BE PERMANENTLY LABELED PER NEC 406.3(E) AND CONTROLLED BY THE SAME AUTOMATIC CONTROL DEVICE THAT CONTROLS LIGHTING IN EACH SPACE. PROVIDE ALL WIRING AND RELAYS NECESSARY FOR A COMPLETELY FUNCTIONAL CONTROLS SYSTEM.
5. ALL BRANCH CIRCUIT WIRING SHALL BE #12 COPPER WITH FULL SIZE DEDICATED NEUTRAL CONDUCTOR UNLESS OTHERWISE NOTED, OR AS REQUIRED BY VOLTAGE DROP ANALYSIS. PROVIDE LARGER SIZE WIRE WHERE REQUIRED PER VOLTAGE DROP CALCULATIONS BASED ON THE RUN LENGTH AND THE INSTALLED CONDITIONS. PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR ALL BRANCH CIRCUITS. REFER TO E80-xx SERIES DRAWINGS FOR WIRING REQUIREMENTS FOR ALL MECHANICAL AND KITCHEN EQUIPMENT.
6. WALK-IN FREEZERS AND COOLERS SHALL BE IN COMPLIANCE WITH 2021 WSEC SECTION C410. PROVIDE LIGHTING CONTROLS COMPLIANT WITH C410.3.11.
7. PROVIDE SHUNT-TRIP FOR ALL CIRCUITS FEEDING DEVICES INSTALLED UNDER THE HOOD.
8. PROVIDE GFCI PROTECTION PER NEC 210.8(B)(2) FOR ALL RECEPTACLES INSTALLED IN KITCHEN AREA, VIA GFCI CIRCUIT BREAKERS IN KITCHEN PANELS.
9. PROVIDE LINE-OF-SIGHT DISCONNECTING MEANS FOR ALL HARDWIRED EQUIPMENT. COORDINATE SWITCH/DISCONNECT LOCATION FOR EACH WITH ARCHITECT AND KITCHEN DESIGNER.
10. REFER TO FOOD AND BEVERAGE PACKAGE FOR ADDITIONAL DETAILS AND NOTES ON KITCHEN DESIGN AND REQUIREMENTS. POWER REQUIREMENTS INDICATED MAY NOT BE EXACT FOR ALL EQUIPMENT. EC TO VERIFY ALL LOAD DATA AND CONNECTION TYPES WITH FINAL EQUIPMENT SUBMITTALS.
11. COORDINATE FOOD SERVICE LINE VOLTAGE AND LOW VOLTAGE CONTROLS WIRING CONNECTIONS LOCATION WITH FOOD SERVICE VENDOR.
12. FIRE ALARM DESIGN IS BY FIRE ALARM SUBCONTRACTOR. ALL NEW DEVICES SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM.
13. ROUTE ALL LOW VOLTAGE CABLING TO NEAREST EXISTING IDF ROOM, OR AS OTHERWISE DIRECTED BY OWNER IT TEAM. PROVIDE NEW PATCH PANELS IN THE IDF ROOM AS NECESSARY.

FLAG NOTES:

1. REMOVE DROP CORD RECEPTACLE INSTALLED IN STEP 1 AND WIRING BACK TO SOURCE PANEL. CONDUIT TO REMAIN - CAP AND LABEL FOR FUTURE USE.
2. REMOVE 208V/1PH CONNECTION FOR LOAD-CENTER INSTALLED IN STEP 1 AND WIRING BACK TO SOURCE PANEL. CONDUIT TO REMAIN - CAP AND LABEL FOR FUTURE USE.
3. CONDUIT INSTALLED IN STEP 1 TO REMAIN. LABEL FOR FUTURE USE.
4. REMOVE RECEPTACLE INSTALLED IN STEP 1 AND WIRING BACK TO SOURCE PANEL. CONDUIT TO REMAIN - CAP AND LABEL FOR FUTURE USE.

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

PHASE 1 - STEP 2 - POWER PLAN - LEVEL 01

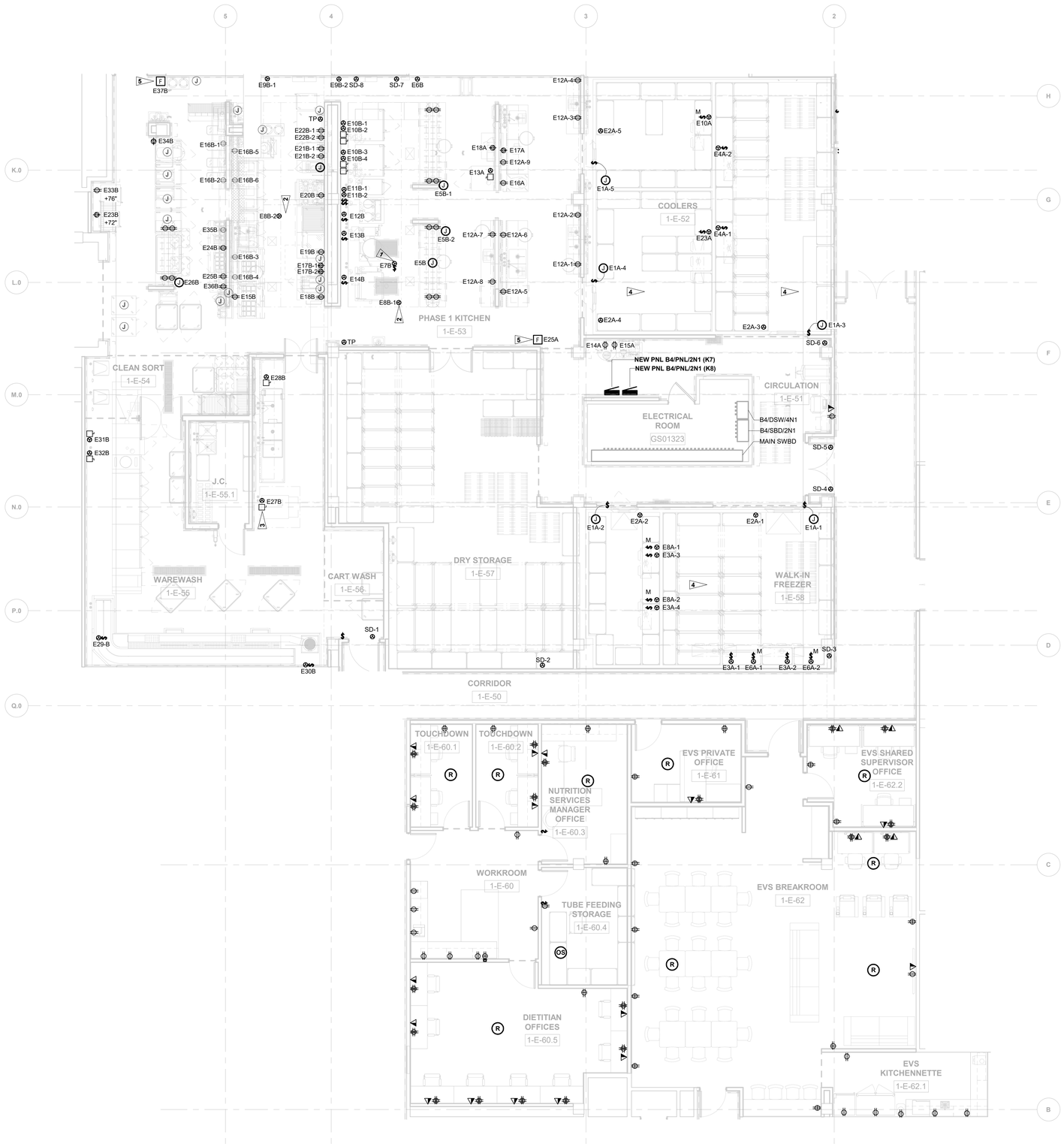
SHEET NUMBER

E11-12B

PHASE 1 PERMIT SET 04/24/2025

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

4/21/2025 8:50:24 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/ELEC-MultiCare-Kitchen-R25.rvt



PHASE 1 - FINAL - POWER FLOOR PLAN - LEVEL 01

3/16" = 1'-0"

GENERAL NOTES:

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT DEVICE LOCATIONS, MOUNTING HEIGHT, AND PLACEMENT REQUIREMENTS.
2. FIELD VERIFY CONDUIT ROUTING PRIOR TO COMMENCEMENT OF WORK.
3. PROVIDE FIRESTOPPING FOR ANY CONDUIT PENETRATIONS THROUGH RATED WALLS.
4. PROVIDE HALF-SWITCHED CONTROLLED RECEPTACLES WHERE REQUIRED PER WSEC C405.10 AND AS SINDICATED PER PLANS. THE RECEPTACLES SHALL BE PERMANENTLY LABELED PER NEC 406.3(E) AND CONTROLLED BY THE SAME AUTOMATIC CONTROL DEVICE THAT CONTROLS LIGHTING IN EACH SPACE. PROVIDE ALL WIRING AND RELAYS NECESSARY FOR A COMPLETELY FUNCTIONAL CONTROLS SYSTEM.
5. ALL BRANCH CIRCUIT WIRING SHALL BE #12 COPPER WITH FULL SIZE DEDICATED NEUTRAL CONDUCTOR UNLESS OTHERWISE NOTED, OR AS REQUIRED BY VOLTAGE DROP ANALYSIS. PROVIDE LARGER SIZE WIRE WHERE REQUIRED PER VOLTAGE DROP CALCULATIONS BASED ON THE RUN LENGTH AND THE INSTALLED CONDITIONS. PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR ALL BRANCH CIRCUITS. REFER TO E80-xx SERIES DRAWINGS FOR WIRING REQUIREMENTS FOR ALL MECHANICAL AND KITCHEN EQUIPMENT.
6. WALK-IN FREEZERS AND COOLERS SHALL BE IN COMPLIANCE WITH 2021 WSEC SECTION C410. PROVIDE LIGHTING CONTROLS COMPLIANT WITH C410.3.11.
7. PROVIDE SHUNT-TRIP FOR ALL CIRCUITS FEEDING DEVICES INSTALLED UNDER THE HOOD.
8. PROVIDE GFCI PROTECTION PER NEC 210.8(B)(2) FOR ALL RECEPTACLES INSTALLED IN KITCHEN AREA, VIA GFCI CIRCUIT BREAKERS IN KITCHEN PANELS.
9. PROVIDE LINE-OF-SIGHT DISCONNECTING MEANS FOR ALL HARDWIRED EQUIPMENT. COORDINATE SWITCH/DISCONNECT LOCATION FOR EACH WITH ARCHITECT AND KITCHEN DESIGNER.
10. REFER TO FOOD AND BEVERAGE PACKAGE FOR ADDITIONAL DETAILS AND NOTES ON KITCHEN DESIGN AND REQUIREMENTS. POWER REQUIREMENTS INDICATED MAY NOT BE EXACT FOR ALL EQUIPMENT. EC TO VERIFY ALL LOAD DATA AND CONNECTION TYPES WITH FINAL EQUIPMENT SUBMITTALS.
11. COORDINATE FOOD SERVICE LINE VOLTAGE AND LOW VOLTAGE CONTROLS WIRING CONNECTIONS LOCATION WITH FOOD SERVICE VENDOR.
12. FIRE ALARM DESIGN IS BY FIRE ALARM SUBCONTRACTOR. ALL NEW DEVICES SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM.
13. ROUTE ALL LOW VOLTAGE CABLING TO NEAREST EXISTING IDF ROOM, OR AS OTHERWISE DIRECTED BY OWNER IT TEAM. PROVIDE NEW PATCH PANELS IN THE IDF ROOM AS NECESSARY.

FLAG NOTES:

1. PROVIDE BRANCH WIRING TO HOOD LIGHTS. REFER TO FBS SHEET FS01-B.3 FOR DETAILS.
2. PROVIDE BRANCH WIRING TO HOOD CONTROLS. REFER TO FBS SHEET FS01-B.3 FOR DETAILS.
3. PROVIDE WIRING FROM POT WASHING MACHINE TO CONDENSATE HOOD. REFER TO FBS SHEET FS01-B.3 FOR DETAILS
4. REFER TO FBS SHEET FS01-A.3 FOR DETAILS ON LIGHTING AND SWITCHING IN WALK-IN COOLERS AND FREEZERS. PROVIDE WIRING TO ALL LIGHT FIXTURES PER FOOD VENDOR'S DRAWINGS.
5. PROVIDE EMPTY OCTAGON BOX FOR REMOTE PULL STATION AT 48" AFF MOUNTED WITHIN WALL. STUB OUT 3/4" CONDUIT FROM BOX TO CEILING ABOVE.

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PHASE 1 PERMIT SET 04/24/2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number	B24-1111	

TITLE

PHASE 1 - FINAL - POWER PLAN - LEVEL 01

SHEET NUMBER

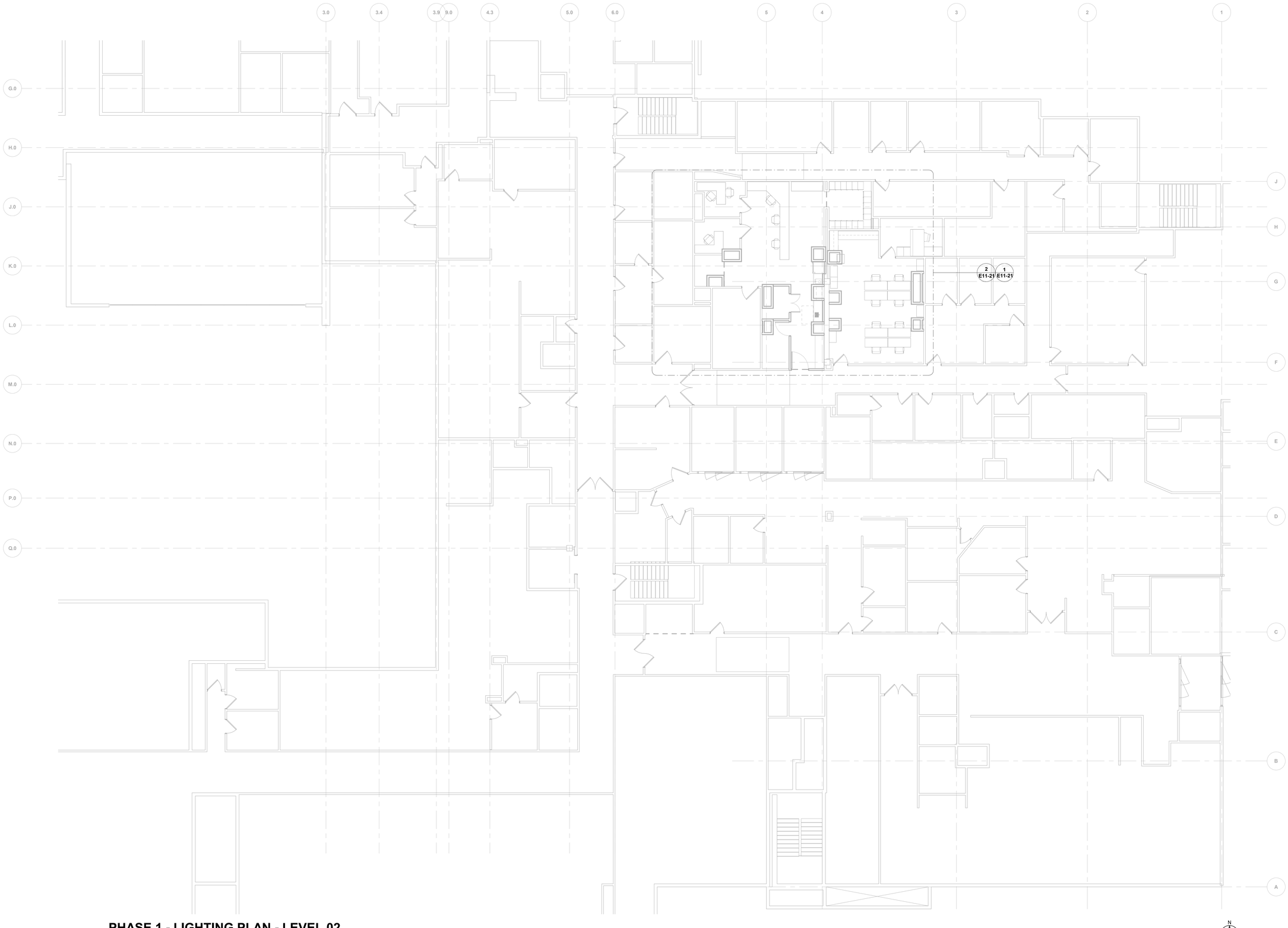
E11-12C

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

4/21/2025 8:50:27 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/ELEC-MultiCare-Kitchen-R25.rvt

GENERAL NOTES:

1 COORDINATE ALL WALL-MOUNTED DEVICES WITH ARCHITECTURAL PLANS AND ELEVATIONS PRIOR TO INSTALLATION.



PHASE 1 - LIGHTING PLAN - LEVEL 02

1/8" = 1'-0"

N

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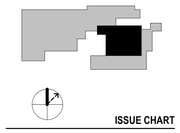
PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

PHASE 1 - OVERALL FLOOR PLAN - LEVEL 02

SHEET NUMBER

E11-20

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

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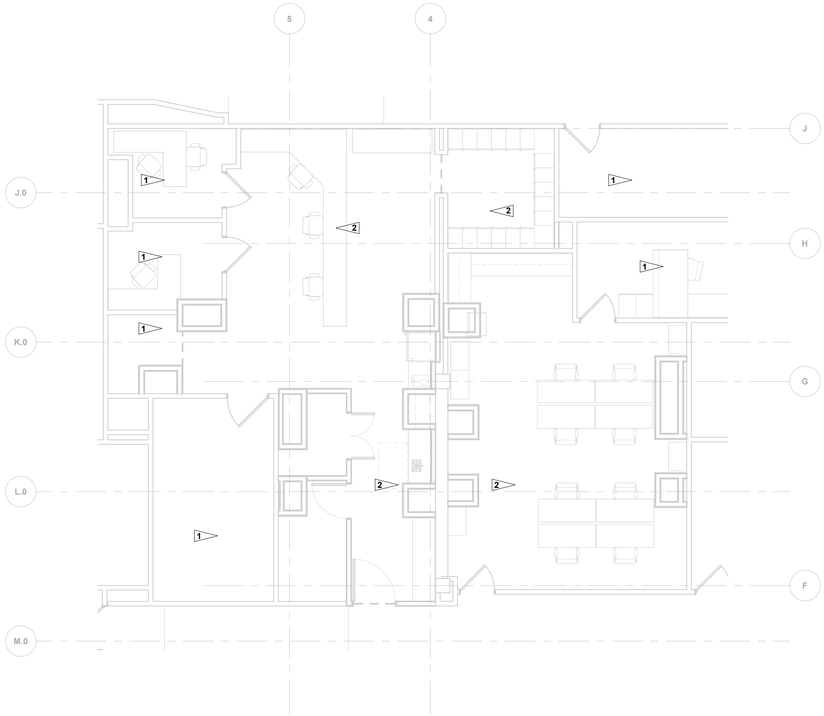
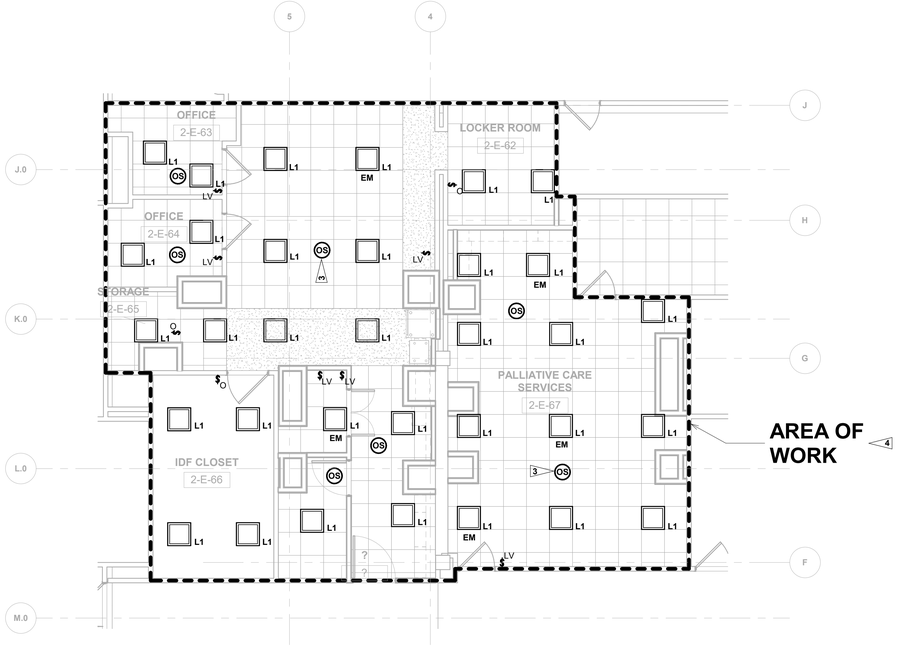


PHASE 1 - FINAL - POWER FLOOR PLAN - LEVEL 02

1 3/16" = 1'-0"



PHASE 1 - LIGHTING PLAN - LEVEL 02

2 3/16" = 1'-0"

GENERAL NOTES:

1 COORDINATE ALL CEILING-MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLANS PRIOR TO INSTALLATION.

2 LIGHTING DESIGN AND FIXTURE SELECTION IS BY OTHERS. VERIFY ALL SELECTIONS AND FIXTURE LOCATIONS WITH OWNER AND LIGHTING DESIGNER PRIOR TO COMMITTING TO A LIGHTING PACKAGE. REFER TO SHEET E80-00 FOR FIXTURE SCHEDULE.

3 ALL LIGHTING FIXTURES IDENTIFIED BY AN "EM" AS EMERGENCY EGRESS LIGHTING. ALL "EM" FIXTURES SHALL BE ON GENERATOR BACKUP OR COME WITH INTERNAL BATTERY.PACK, AND SHALL TURN ON UPON LOSS OF UTILITY POWER REGARDLESS OF THE STATE OF THE LIGHTING CONTROL DEVICE(S).

4 LIGHTING PLANS DENOTE FIXTURE POSITIONS RELATIVE TO THE PLAN DRAWINGS PROVIDED BY THE ARCHITECT. COORDINATE LOCATIONS WITH ARCHITECTURAL RCPs.

5 PROVIDE ALL NECESSARY COMPONENTS FOR A FULLY FUNCTIONING LIGHTING CONTROL SYSTEM THAT IS COMPLIANT WITH THE NEC AND ALL LOCAL MUNICIPAL CODES. SYSTEM SHALL CONFORM TO 2021 WA STATE ENERGY CODE REQUIREMENTS FOR CONTROLS. FINAL CONTROLS SHALL BE BY LIGHTING CONTROLS MANUFACTURER WHO WILL PROVIDE SHOP DRAWINGS AND CONTROLS WIRING DIAGRAMS.

FLAG NOTES:

1 NO ELECTRICAL SCOPE IN THIS ROOM. ALL EXISTING DEVICES AND CONNECTIONS TO REMAIN.

2 FIELD VERIFY EXISTING DEVICES AND RELOCATE AS NECESSARY. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL CONFIGURATION.

3 PROVIDE AUTO ON/AUTO OFF OCCUPANCY SENSOR. AUTO ON FUNCTION ALLOWED PER 2021 WSEC C405.2.1.1 FOR OCCUPANT SAFETY. AUTO OFF FUNCTION TO TURN OFF LIGHTS WITHIN 20 MINUTES OF VACANCY.

4 PROVIDE SEPARATE PRICING FOR LIGHTING SCOPE IN THIS AREA.

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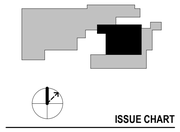
PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

PHASE 1 - POWER AND LIGHTING PLAN - LEVEL 02

SHEET NUMBER

E11-21

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

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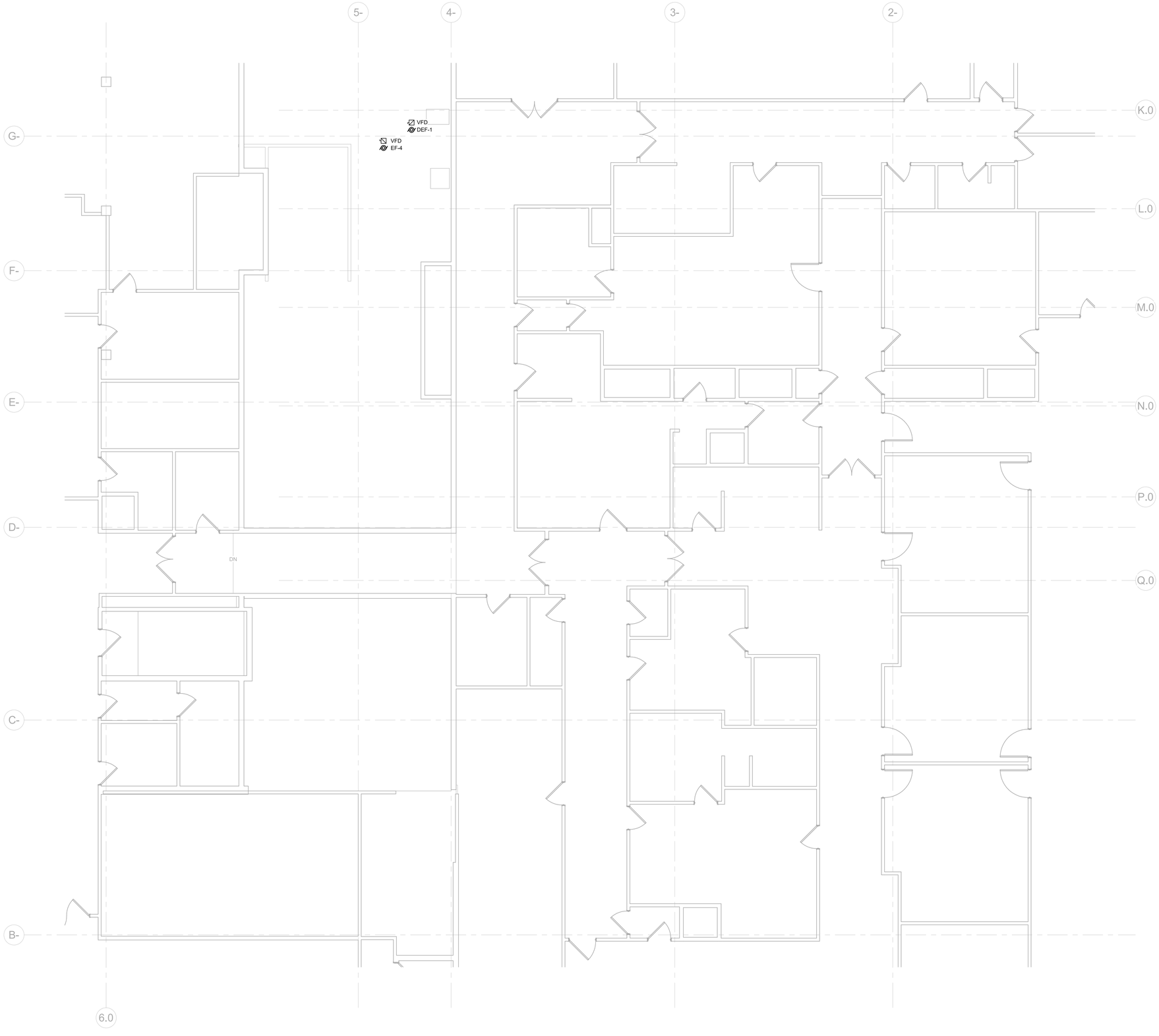

PHASE 1 - POWER FLOOR PLAN - LEVEL 03

3/16" = 1'-0"

N

GENERAL NOTES:

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT DEVICE LOCATIONS, MOUNTING HEIGHT, AND PLACEMENT REQUIREMENTS.
2. FIELD VERIFY CONDUIT ROUTING PRIOR TO COMMENCEMENT OF WORK.
3. PROVIDE FIRESTOPPING FOR ANY CONDUIT PENETRATIONS THROUGH RATED WALLS.
4. ALL BRANCH CIRCUIT WIRING SHALL BE #12 COPPER WITH FULL SIZE DEDICATED NEUTRAL CONDUCTOR UNLESS OTHERWISE NOTED, OR AS REQUIRED BY VOLTAGE DROP ANALYSIS. THE EC TO PROVIDE LARGER SIZE WIRE WHERE REQUIRED PER EC'S VOLTAGE DROP CALCULATIONS BASED ON THE RUN LENGTH AND THE INSTALLED CONDITIONS. PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR ALL BRANCH CIRCUITS. REFER TO E80-xx SERIES DRAWINGS FOR WIRING REQUIREMENTS FOR ALL MECHANICAL AND KITCHEN EQUIPMENT.
5. ALL EQUIPMENT INSTALLED OUTDOORS SHALL BE IN NEMA 3R ENCLOSURES AND RATED FOR OUTDOOR INSTALLATIONS.
6. FIELD VERIFY LOCATION OF SERVICE RECEPTACLES ON ROOF. PROVIDE NEW WP, GFCI RECEPTACLES WHERE EXISTING ARE NOT PRESENT WITHIN 25' OF NEW EQUIPMENT.

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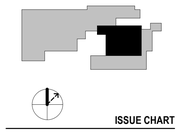
PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

PHASE 1 - ROOF POWER PLAN - LEVEL 03

SHEET NUMBER

E11-22

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

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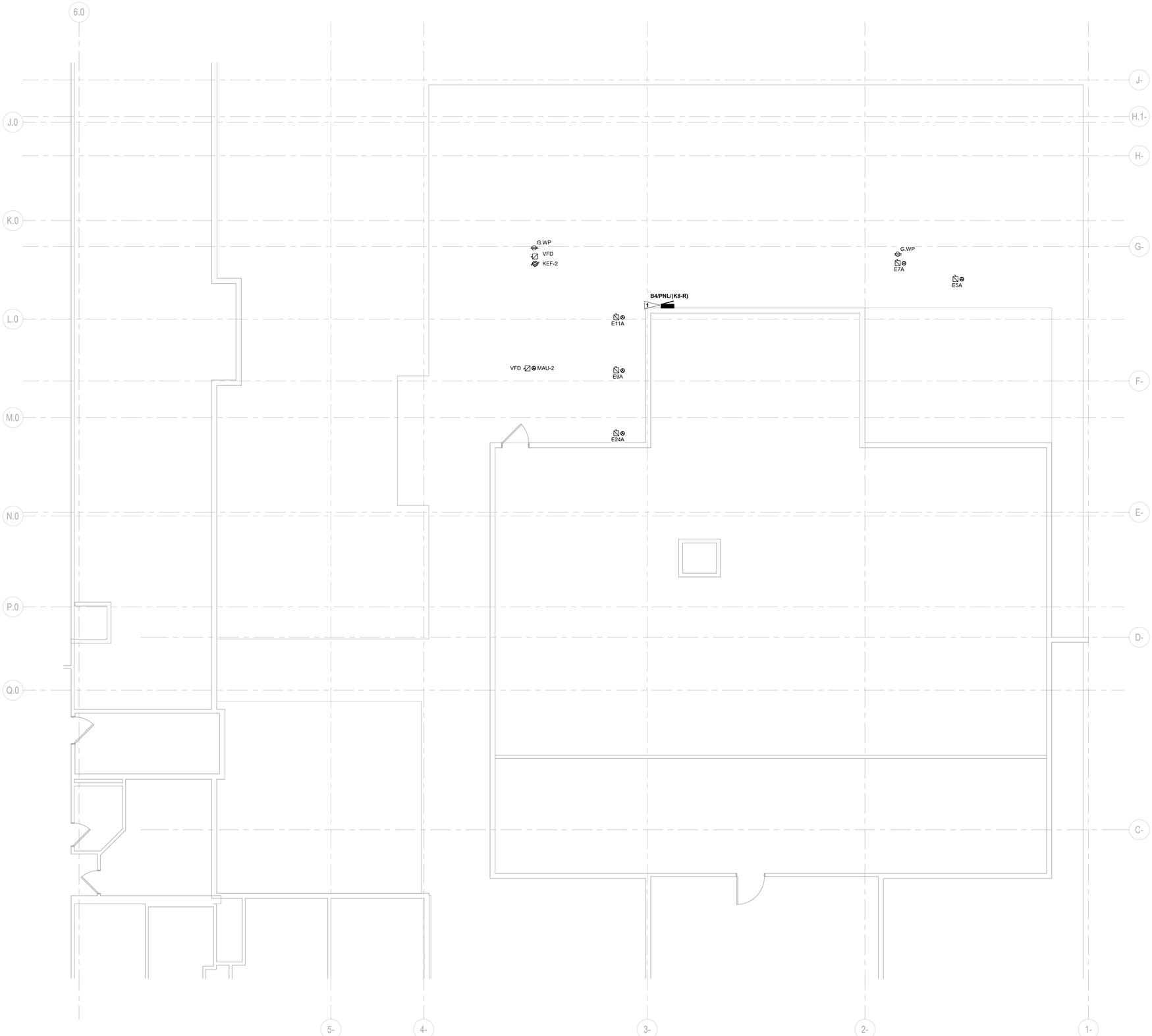

PHASE 1 - POWER FLOOR PLAN - LEVEL 04

3/16" = 1'-0"

N

GENERAL NOTES:

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT DEVICE LOCATIONS, MOUNTING HEIGHT, AND PLACEMENT REQUIREMENTS.
2. FIELD VERIFY CONDUIT ROUTING PRIOR TO COMMENCEMENT OF WORK.
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5. ALL EQUIPMENT INSTALLED OUTDOORS SHALL BE IN NEMA 3R ENCLOSURES AND RATED FOR OUTDOOR INSTALLATIONS.
6. FIELD VERIFY LOCATION OF SERVICE RECEPTACLES ON ROOF. PROVIDE NEW WP, GFCI RECEPTACLES WHERE EXISTING ARE NOT PRESENT WITHIN 25' OF NEW EQUIPMENT.

FLAG NOTES:

1. COORDINATE EXACT LOCATION WITH ARCHITECT.

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PHASE 1 PERMIT SET 04/24/2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number B24-1111

TITLE

PHASE 1 - ROOF POWER PLAN - LEVEL 04

SHEET NUMBER

E11-23

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

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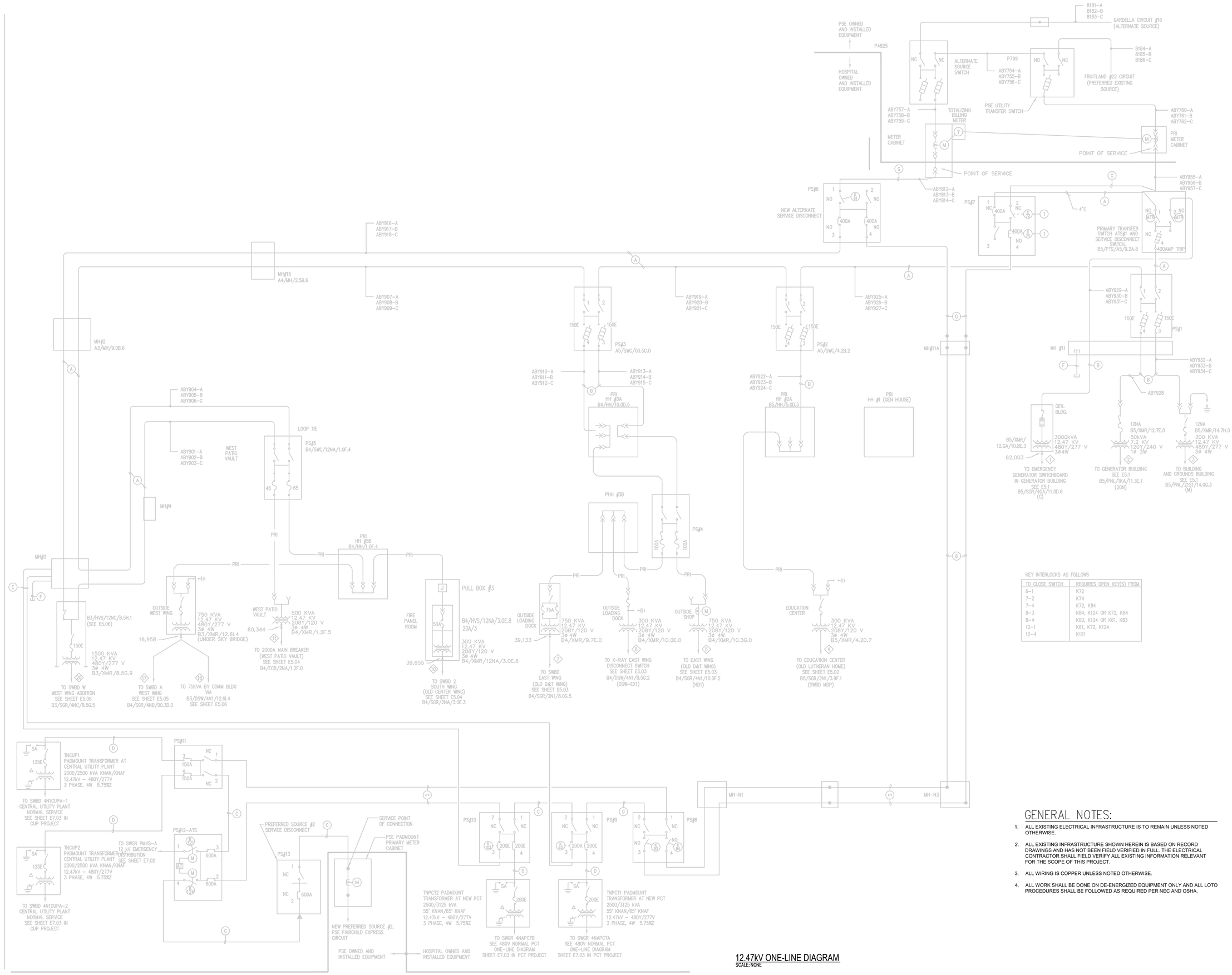

12.47kV ONE-LINE DIAGRAM
SCALE: NONE

KEY INTERLOCKS AS FOLLOWS

TO CLOSE SWITCH	REQUIRES OPEN KEY(S) FROM
6-1	K72
7-2	K74
7-4	K72, K84
8-3	K84, K124 OR K72, K84
8-4	K83, K124 OR K61, K83
12-1	K61, K72, K124
12-4	K121

GENERAL NOTES:

1. ALL EXISTING ELECTRICAL INFRASTRUCTURE IS TO REMAIN UNLESS NOTED OTHERWISE.
2. ALL EXISTING INFRASTRUCTURE SHOWN HEREIN IS BASED ON RECORD DRAWINGS AND HAS NOT BEEN FIELD VERIFIED IN FULL. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING INFORMATION RELEVANT FOR THE SCOPE OF THIS PROJECT.
3. ALL WIRING IS COPPER UNLESS NOTED OTHERWISE.
4. ALL WORK SHALL BE DONE ON DE-ENERGIZED EQUIPMENT ONLY AND ALL LOTO PROCEDURES SHALL BE FOLLOWED AS REQUIRED PER NEC AND OSHA.

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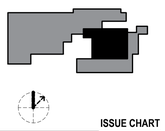
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

ONE-LINE DIAGRAM-EXISTING 12.47kV

SHEET NUMBER

E50-00

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

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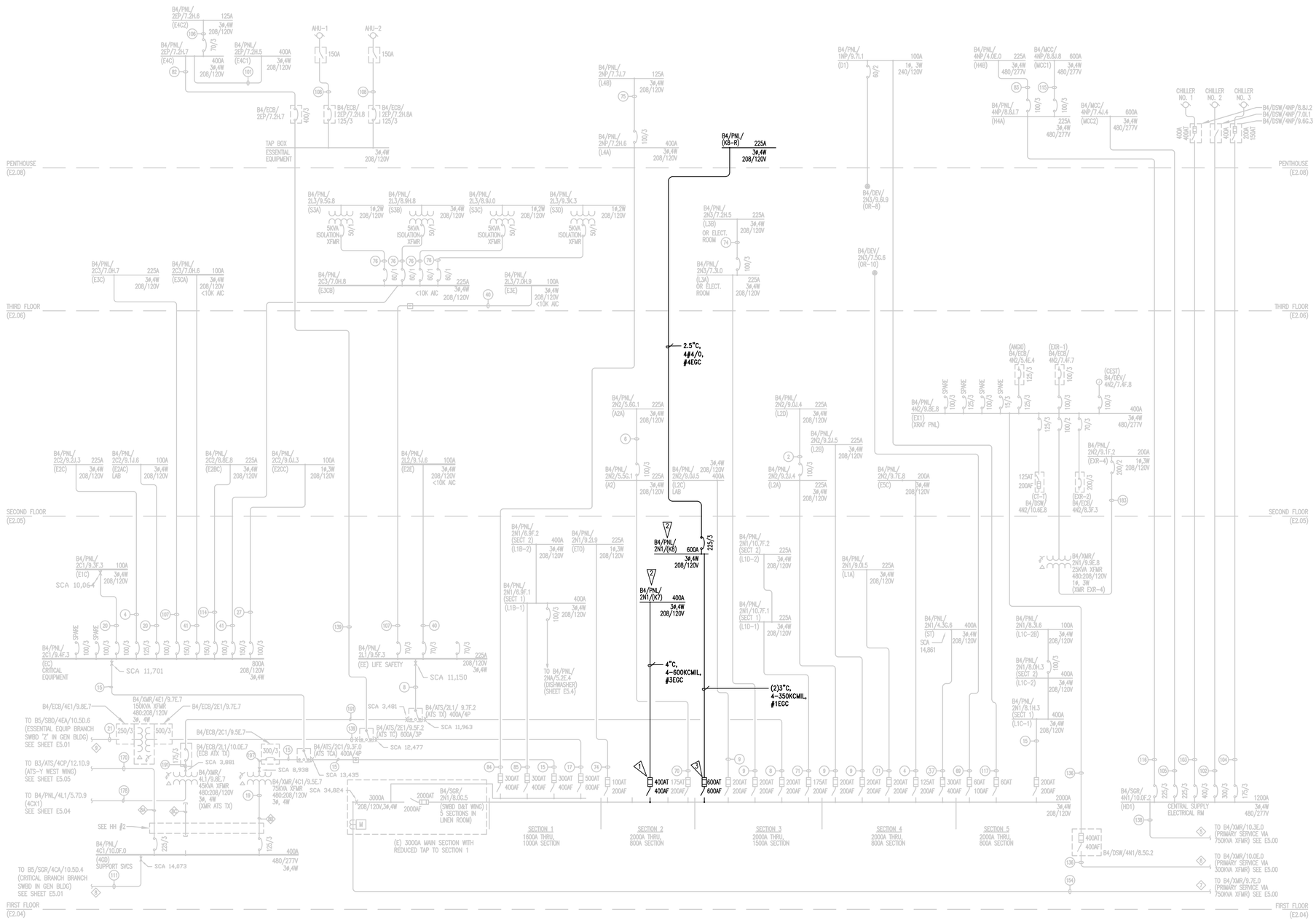

D&T WING DISTRIBUTION WIRING DIAGRAM BELOW 1000V - MODIFIED

FLAG NOTES:

1. UTILIZE EXISTING SPARE OCP DEVICE TO FEED NEW PANEL.
2. PROVIDE NEW 60-POLES FEED-THROUGH PANEL WITH MAIN CIRCUIT BREAKER.
3. PROVIDE NEW 600A SWITCH TO FEED NEW PANEL. THE SWITCH SHALL MATCH EXISTING OCP DEVICES INSTALLED IN THE SWITCHBOARD.

GENERAL NOTES:

1. ALL EXISTING ELECTRICAL INFRASTRUCTURE IS TO REMAIN UNLESS NOTED OTHERWISE.
2. ALL EXISTING INFRASTRUCTURE SHOWN HEREIN IS BASED ON RECORD DRAWINGS AND HAS NOT BEEN FIELD VERIFIED IN FULL. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING INFORMATION RELEVANT FOR THE SCOPE OF THIS PROJECT.
3. ALL WIRING IS COPPER UNLESS NOTED OTHERWISE.
4. ALL WORK SHALL BE DONE ON DE-ENERGIZED EQUIPMENT ONLY AND ALL LOTO PROCEDURES SHALL BE FOLLOWED AS REQUIRED PER NEC AND OSHA.

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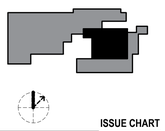
PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

PHASE 1 - ONE-LINE DIAGRAM - D & T WING

SHEET NUMBER

E50-03-1

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

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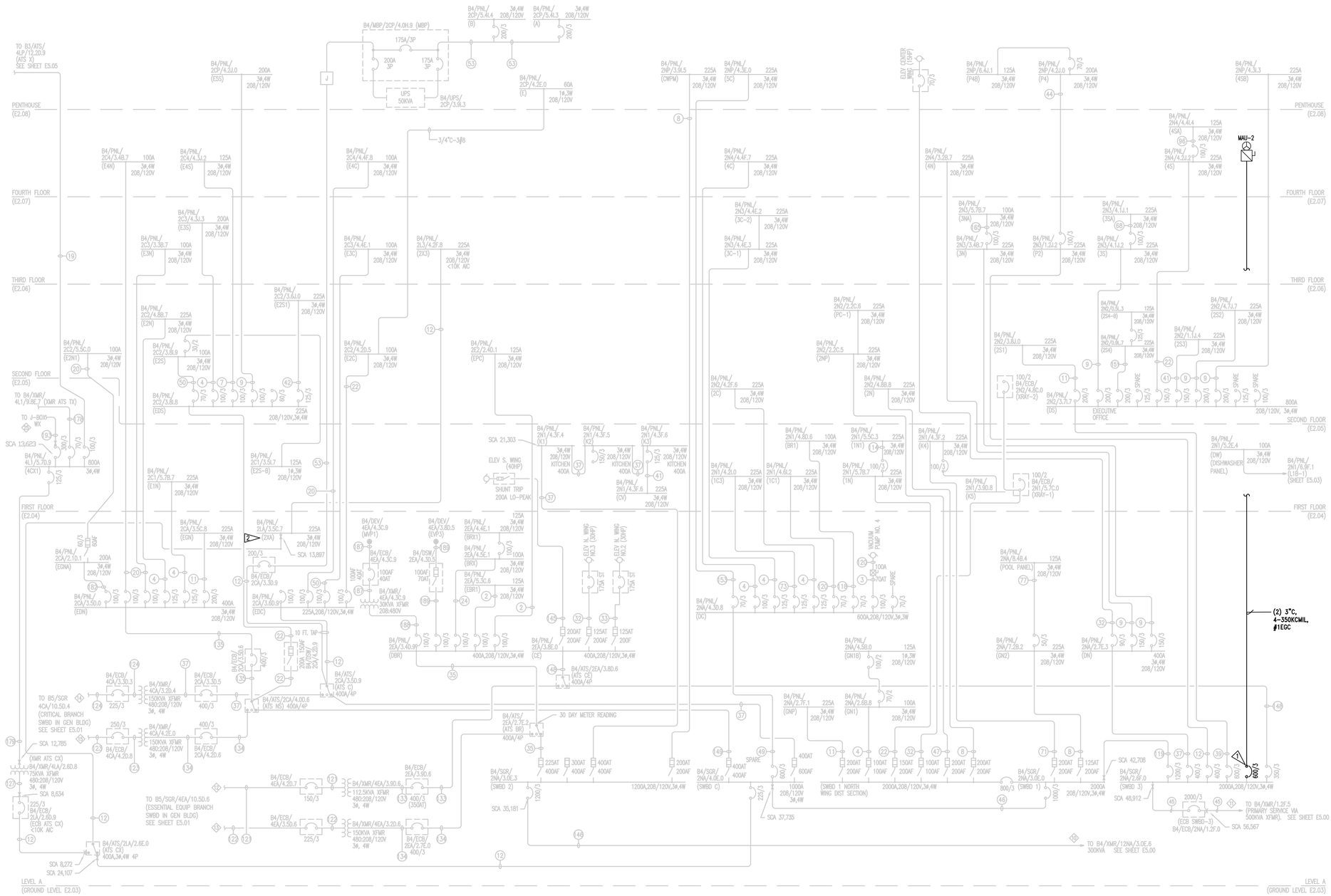

NORTH, CENTRAL & SOUTH WING DISTRIBUTION WIRING DIAGRAM BELOW 1000V - MODIFIED

FLAG NOTES:

1. REPLACE EXISTING 200A SPARE OCP DEVICE WITH A NEW 600A OCP DEVICE TO FEED NEW DOAS UNIT. NEW DEVICE SHALL MATCH EXISTING OCP DEVICES INSTALLED IN THE SWITCHBOARD.
2. UTILIZE EXISTING PANEL 2XA FOR SMOKE CONTROL DAMPERS AND EGRESS LIGHTING CIRCUITS.

GENERAL NOTES:

1. ALL EXISTING ELECTRICAL INFRASTRUCTURE IS TO REMAIN UNLESS NOTED OTHERWISE.
2. ALL EXISTING INFRASTRUCTURE SHOWN HEREIN IS BASED ON RECORD DRAWINGS AND HAS NOT BEEN FIELD VERIFIED IN FULL. THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING INFORMATION RELEVANT FOR THE SCOPE OF THIS PROJECT.
3. ALL WIRING IS COPPER UNLESS NOTED OTHERWISE.
4. ALL WORK SHALL BE DONE ON DE-ENERGIZED EQUIPMENT ONLY AND ALL LOTO PROCEDURES SHALL BE FOLLOWED AS REQUIRED PER NEC AND OSHA.

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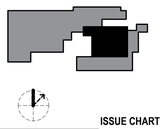
PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE
PHASE 1 - ONE-LINE DIAGRAM- NORTH CENTRAL & SOUTH WINGS

SHEET NUMBER
E50-04-1

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

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MECHANICAL/PLUMBING - ELECTRICAL COORDINATION SCHEDULE

Equipment ID	Description	Installed	Voltage	HP	Amps	kVA	Panel	Circuit	OCP [A]	Conduit	Conductor Size	Starter			Disconnect			Comments
												Type	Furnish	Install	Type	Furnish	Install	
MECHANICAL LOAD																		
EF-4	FAN	PHASE 1	208V/3ph	3	10.6	3.81	K8-R	20,22,24	20	1/2"	3#12 & 1#12G	VFD	MC	MC	FUSED	EC	EC	
DEF-1	FAN	PHASE 1	208V/3ph	1	4.6	1.66	K8-R	14,16,18	15	1/2"	3#12 & 1#12G	VFD	MC	MC	FUSED	EC	EC	
KEF-1	FAN	EXISTING	208V/3ph		*EXISTING UNIT TO REMAIN. NO EC SCOPE.*													
KEF-2	FAN	PHASE 1	208V/3ph	7.5	24.2	8.71	K8-R	13,15,17	50	1"	3#8 & 1#10G	VFD	MC	MC	FUSED	EC	EC	
MAU-1	DOAS	EXISTING	208V/3ph		*EXISTING UNIT TO REMAIN. NO EC SCOPE.*													
MAU-2	DOAS		208V/3ph		561.9	202.3	B4/SGR/2NA (SWBD 3)	TBD	600	PER ONE LINE		FACTORY	MC	MC	FUSED	EC	EC	
FTU-101-103	VAV BOXES	EXISTING	208V/3ph		*EXISTING UNIT TO REMAIN. NO EC SCOPE.*													QTY = 3
FTU-106	VAV BOX	PHASE 2	208V/1ph		7.5	1.6	K7	20,22	20	1/2"	3#12 & 1#12G	N/A			FUSED	EC	EC	
DHC-XX	DUCT HEATING COILS	PHASE 1	120V/1ph		*UTILIZE EXISTING 24V FOR CONTROLS WIRING. NO EC SCOPE.*													
TP	TRAP PRIMER	PHASE 1/2	120V/1ph		PER ELECTRICAL FLOOR PLANS				20	1/2"	2#12 & 1#12G	N/A			OCP AT PANEL	EC	EC	QTY = 5
SD-X	MOTORIZED DAMPERS	PHASE 1	120V/1ph			0.1	X2A	TBD	20	1/2"	2#12 & 1#12G	N/A			OCP AT PANEL	EC	EC	QTY = 8

NOTES:

1. REFER TO M/P DRAWINGS FOR EXACT EQUIPMENT LOCATIONS.
2. WHERE FUSED DISCONNECTS ARE INDICATED ALL FUSES SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS.
3. ALL WIRING SHALL BE COPPER UNLESS OTHERWISE INDICATED ON DRAWINGS.
4. PROVIDE SERVICE OUTLETS WITHIN 25' OF ALL EQUIPMENT WHERE NEAREST GENERAL USE OUTLET IS MORE THAN 25' AWAY.

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER / CATALOG # / DESCRIPTION	CCT / CRI	INPUT WATTS (W)	LUMEN OUTPUT	BALLAST / TRANSFORMER / DRIVER	VOLTAGE	LENS / REFLECTOR / BEAM	TRIM / FLANGE / BAFFLE / FINISH	REMARKS / ACCESSORIES/ OPTIONS
L1	EATON - METALUX 22CGTS-L3C3-LOW-3500K	3500K >80 CRI	22	2720	LED DRIVER 0-10V 10%DIMMING	120V	DIRECT	WHITE	
L2	EATON - METALUX 24CGTS-L3C3-LOW-3500K	3500K >80 CRI	28	3600	LED DRIVER 0-10V 10%DIMMING	120V	DIRECT	WHITE	
L3	NEW STAR LIGHTING SCR24-HC_OC-L240-1C-A-UN (GRID FLANGE)	3500K >80 CRI	50	6250	LED DRIVER 0-10V 10%DIMMING	120V	DIRECT	WHITE	
L4	NEW STAR LIGHTING SCR24-HC_OC-L240-1C-A-UN (GRID FLANGE)	3500K >80 CRI	50	6250	LED DRIVER 0-10V 10%DIMMING	120V	INDIRECT/DIRECT	SIGNAL WHITE	
L5	NEW STAR LIGHTING SCR24-HC_OC-L240-1C-A-UN (SURFACE MT)	3500K >80 CRI	50	6250	LED DRIVER 0-10V 10%DIMMING	120V	INDIRECT/DIRECT	SIGNAL WHITE	
L6	NEW STAR LIGHTING SCR24-HC_OC-L240-1C-A-UN (SURFACE MT)	3500K >80 CRI	50	6250	LED DRIVER 0-10V 10%DIMMING	120V	INDIRECT/DIRECT	SIGNAL WHITE	

FBS SCHEDULE - PHASE 1 STEP 1 - TEMPORARY POD

EQPT#	EQPT DESCRIPTION	VOLTAGE	PHASE	HP	AMPS	KVA	CONNECTION TYPE	PANEL NAME	CIRCUIT NUMBER	NUMBER OF CB POLES	OCP	FEEDER	NOTES
E38B	SERVING COUNTER W/DOUBLE OVERSHELF	208	1	-	166.2	34.6	HARDWIRED	K7	2,4	2	200/2	2"C, 2#3/0, #3/0N, #6G	PROVIDE CONNECTION TO LOAD CENTER
E38B-A	*PRINTER*	*120*	*1*		*15.0*	*7.2*	*PREFABRICATED BY FACTORY WITH ITEM E38B*						*QTY = 4*
E38B-B	*MW OVEN*	*208*	*1*		*14.0*	*5.8*	*PREFABRICATED BY FACTORY WITH ITEM E38B*						*QTY = 2*
E38B-C	*SCANNER*	*120*	*1*		*10.0*	*1.2*	*PREFABRICATED BY FACTORY WITH ITEM E38B*						*QTY = 1*
E38B-D	*COFFEE BREWER*	*208*	*1*		*30.0*	*12.5*	*PREFABRICATED BY FACTORY WITH ITEM E38B*						*QTY = 2*
E38B-E	*HEAT LAMP*	*208*	*1*		*9.7*	*4.0*	*PREFABRICATED BY FACTORY WITH ITEM E38B*						*QTY = 2*
E38B-F	*CONVENIENCE OUTLET*	*120*	*1*		*16.0*	*3.8*	*PREFABRICATED BY FACTORY WITH ITEM E38B*						*QTY = 2*
E39B-1	REFRIGERATED SANDWICH PREPARATION UNIT	120	1	0.25	4.8	0.6	NEMA 5-20	K7	43	1	20/1	1/2"C, 3#12	
E39B-2	REFRIGERATED SANDWICH PREPARATION UNIT	120	1	0.25	4.8	0.6	NEMA 5-20	K7	35	1	20/1	1/2"C, 3#12	
E40B	WORK TOP FREEZER	120	1	0.25	4.8	0.6	NEMA 5-20	K7	37	1	20/1	1/2"C, 3#12	UNDER HOOD - PROVIDE SHUNT TRIP
E41B	FLASH BAKE OVEN	208	1	-	40.0	8.3	NEMA 6-50	K7	6,8	2	50/2	3/4"C, 2#6, #10G	UNDER HOOD - PROVIDE SHUNT TRIP
E42B-1	PASTA COOKER	208	3	-	21.7	7.8	NEMA 15-30	K7	13,15,17	3	30/3	3/4"C, 3#10, #10G	UNDER HOOD - PROVIDE SHUNT TRIP
E42B-2	PASTA COOKER	208	3	-	21.7	7.8	NEMA 15-30	K7	21,23,25	3	30/3	3/4"C, 3#10, #10G	UNDER HOOD - PROVIDE SHUNT TRIP
E43B	3-WELL MOBILE HEATED CABINET	208	1	-	19.3	4.0	NEMA 6-30	K7	12,14	2	25/2	3/4"C, 2#10, #10G	
E44B	4-WELL MOBILE HEATED CABINET	208	1	-	25.8	5.4	NEMA 6-30	K7	16,18	2	30/2	3/4"C, 2#10, #10G	
E45B-1	BASE ACTIVATOR	208	3	-	23.5	8.5	NEMA 430P9W	K7	1,3,5	3	30/3	3/4"C, 3#10, #10G	
E45B-2	BASE ACTIVATOR	208	3	-	23.5	8.5	NEMA 430P9W	K7	7,9,11	3	30/3	3/4"C, 3#10, #10G	
E46B	MOBILE HEATED PLATE DISPENSER	208	1	-	4.6	1.0	NEMA 6-15	K7	20,22	2	15/2	1/2"C, 2#12, #12G	
E47B	MOBILE HEATED PLATE DISPENSER	208	1	-	4.6	1.0	NEMA 6-15	K7	24,26	2	15/2	1/2"C, 2#12, #12G	
E48B	MOBILE HEATED CABINET	120	1	-	10.0	1.2	NEMA 5-20	K7	41	1	20/1	1/2"C, 3#12	
E49B	MOBILE HEATER PROOFER	208	1	-	7.0	1.5	NEMA 6-15	K7	28,30	2	15/2	1/2"C, 2#12, #12G	UNDER HOOD - PROVIDE SHUNT TRIP
E50B-1	AIR CURTAIN REGRIGERATOR	120	1	-	8.5	1.0	NEMA 5-20	K7	34	1	20/1	1/2"C, 3#12	PROVIDE RECEPTACLE ON DROP CORD FROM CEILING
E50B-2	AIR CURTAIN REGRIGERATOR	120	1	-	8.5	1.0	NEMA 5-20	K7	36	1	20/1	1/2"C, 3#12	PROVIDE RECEPTACLE ON DROP CORD FROM CEILING
E50B-3	AIR CURTAIN REGRIGERATOR	120	1	-	8.5	1.0	NEMA 5-20	K7	38	1	20/1	1/2"C, 3#12	PROVIDE RECEPTACLE ON DROP CORD FROM CEILING
E50B-4	AIR CURTAIN REGRIGERATOR	120	1	-	8.5	1.0	NEMA 5-20	K7	40	1	20/1	1/2"C, 3#12	PROVIDE RECEPTACLE ON DROP CORD FROM CEILING
E51B-1	FREEZER	120	1	0.5	7.1	0.9	NEMA 5-20	K7	42	1	20/1	1/2"C, 3#12	PROVIDE RECEPTACLE ON DROP CORD FROM CEILING
E51B-2	FREEZER	120	1	0.5	7.1	0.9	NEMA 5-20	K7	44	1	20/1	1/2"C, 3#12	PROVIDE RECEPTACLE ON DROP CORD FROM CEILING
E52B	EMPTY CONDUIT FOR EDP/POS SYSTEMS & PRINTERS	-	-	-	-	-	N/A			-		1"C	
E53B	COMM PORT FOR PRINTER/SCANNER	-	-	-	-	-	N/A			-		2-CAT6	QTY=2
SUBTOTAL AREA B TEMP POD						96.9				36.0			

NOTES:
1. ALL WIRING SHALL BE COPPER UNLESS OTHERWISE NOTED ON PLANS.
2. EC TO VERIFY ALL CONNECTION TYPES WITH FINAL EQUIPMENT SUBMITTALS.
3. EC TO PROVIDE GFCI PROTECTION WHERE REQUIRED PER NEC (ALL KITCHEN OUTLETS AND ALL OUTLETS INSTALLED WITHIN 6' OF A SINK ELSEWHERE).
4. EC TO PROVIDE LINE-OF-SIGHT DISCONNECT SWITCHES FOR ALL HARDWIRED EQUIPMENT PER NEC 422.31.
5. ALL EQUIPMENT LOCATED UNDER HOOD SHALL BE ON SHUNT-TRIP CIRCUIT BREAKERS.
6. POWER/AMP/KVA VALUES INDICATED ARE PRELIMINARY AND MAY NOT BE EXACT FOR ALL EQUIPMENT. CONFIRM VALUES WITH FINAL SUBMITTALS AND FBS DRAWINGS.
7. PANEL ASSIGNMENT IS PRELIMINARY TO HELP WITH ESTIMATING CIRCUIT LENGTHS AND BREAKER NEEDS.
8. REFER TO FOOD SERVICE DRAWINGS FOR EQUIPMENT LOCATIONS.

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PHASE 1 PERMIT SET 04/24/2025

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MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

PHASE 1 - EQUIPMENT COORDINATION SCHEDULES

SHEET NUMBER

E80-00

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

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FBS SCHEDULE - PHASE 1

EQPT#	EQPT DESCRIPTION	VOLTAGE	PHASE	AMPS	KVA	CONNECTION TYPE	PANEL NAME	CIRCUIT NUMBER	NUMBER OF CB POLES	OCP	FEEDER	NOTES
E1A-1	WALK-IN COOLER FREEZER ASSEMBLY (LIGHTS)	120	1	5.0	0.6	HARDWIRED	K8	TBD	1	20/1	1/2"C, 3#12	
E1A-2	WALK-IN COOLER FREEZER ASSEMBLY (LIGHTS)	120	1	5.0	0.6	HARDWIRED	K8	TBD	1	20/1	1/2"C, 3#12	
E1A-3	WALK-IN COOLER FREEZER ASSEMBLY (LIGHTS)	120	1	5.0	0.6	HARDWIRED	K8	TBD	1	20/1	1/2"C, 3#12	PROVIDE BRANCH WIRING TO COOLER LIGHTS
E1A-4	WALK-IN COOLER FREEZER ASSEMBLY (LIGHTS)	120	1	5.0	0.6	HARDWIRED	K8	TBD	1	20/1	1/2"C, 3#12	
E1A-5	WALK-IN COOLER FREEZER ASSEMBLY (LIGHTS)	120	1	5.0	0.6	HARDWIRED	K8	TBD	1	20/1	1/2"C, 3#12	
E2A-1	WALK-IN COOLER FREEZER (DOOR HEATER/ALARM)	120	1	5.0	0.6	HARDWIRED	K8	TBD	1	20/1	1/2"C, 3#12	
E2A-2	WALK-IN COOLER FREEZER (DOOR HEATER/ALARM)	120	1	5.0	0.6	HARDWIRED	K8	TBD	1	20/1	1/2"C, 3#12	
E2A-3	WALK-IN COOLER FREEZER (DOOR HEATER/ALARM)	120	1	5.0	0.6	HARDWIRED	K8	TBD	1	20/1	1/2"C, 3#12	
E2A-4	WALK-IN COOLER FREEZER (DOOR HEATER/ALARM)	120	1	5.0	0.6	HARDWIRED	K8	TBD	1	20/1	1/2"C, 3#12	
E2A-5	WALK-IN COOLER FREEZER (DOOR HEATER/ALARM)	120	1	5.0	0.6	HARDWIRED	K8	TBD	1	20/1	1/2"C, 3#12	
E3A-1	HEAT TAPE	120	1	15.0	1.8	HARDWIRED	K7	43	1	20/1	1/2"C, 3#14	
E3A-2	HEAT TAPE	120	1	15.0	1.8	HARDWIRED	K7	45	1	20/1	1/2"C, 3#14	
E3A-3	HEAT TAPE	120	1	15.0	1.8	HARDWIRED	K7	47	1	20/1	1/2"C, 3#14	
E3A-4	HEAT TAPE	120	1	15.0	1.8	HARDWIRED	K7	49	1	20/1	1/2"C, 3#14	
E4A-1	BLOWER COIL GENERAL COOLER	120	1	20.0	2.4	HARDWIRED	K8	TBD	1	20/1	1/2"C, 2#12, #12N, #12G	
E4A-2	BLOWER COIL GENERAL COOLER	120	1	20.0	2.4	HARDWIRED	K8	TBD	1	20/1	1/2"C, 2#12, #12N, #12G	
E5A	GENERAL COOLER REMOTE CONDESING UNIT	208	3	25.0	9.0	HARDWIRED	K8-R	1,3,5	3	40/3	3/4"C, 3#8, #10G	
E6A-1	BLOWER COIL GENERAL FREEZER	208	1	20.0	4.2	HARDWIRED	K8	TBD	2	20/2	1/2"C, 2#12, #12N, #12G	
E6A-2	BLOWER COIL GENERAL FREEZER	208	1	20.0	4.2	HARDWIRED	K8	TBD	2	20/2	1/2"C, 2#12, #12N, #12G	
E7A	GENERAL FREEZER REMOTE CONDESING UNIT	208	3	60.0	21.6	HARDWIRED	TBD	7,9,11	3	60/3	1"C, 3#4, #10G	
E8A-1	BLOWER COIL FREEZER	208	1	20.0	4.2	HARDWIRED	K8	TBD	2	30/2	3/4"C, 2#10, #10N, #10G	
E8A-2	BLOWER COIL FREEZER	208	1	20.0	4.2	HARDWIRED	K8	TBD	2	30/2	3/4"C, 2#10, #10N, #10G	
E9A	FREEZER REMOTE CONDESING UNIT	208	3	30.0	10.8	HARDWIRED	TBD	8,10,12	3	60/3	1"C, 3#4, #10G	
E10A	BLOWER COIL CHEF'S COOLER	120	1	20.0	2.4	HARDWIRED	K8	TBD	1	20/1	1/2"C, 2#12, #12N, #12G	
E23A	PRODUCE COOLER	120	1	20.0	2.4	HARDWIRED	K8	TBD	1	20/1	1/2"C, 2#12, #12N, #12G	
E11A	CHEF'S COOLER REMOTE CONDESING UNIT	208	3	20.0	7.2	HARDWIRED	K8-R	2,4,6	3	20/3	1/2"C, 3#12, #12G	
E12A-1	CONVENIENCE OUTLET	120	1	16.0	1.9	NEMA 5-15	K7	51	1	20/1	1/2"C, 3#12	
E12A-2	CONVENIENCE OUTLET	120	1	16.0	1.9	NEMA 5-15	K7	51	1	20/1	1/2"C, 3#12	
E12A-3	CONVENIENCE OUTLET	120	1	16.0	1.9	NEMA 5-15	K7	51	1	20/1	1/2"C, 3#12	
E12A-4	CONVENIENCE OUTLET	120	1	16.0	1.9	NEMA 5-15	K7	53	1	20/1	1/2"C, 3#12	
E12A-5	CONVENIENCE OUTLET	120	1	16.0	1.9	NEMA 5-15	K7	53	1	20/1	1/2"C, 3#12	ASSUME 3 OUTLETS PER CIRCUIT
E12A-6	CONVENIENCE OUTLET	120	1	16.0	1.9	NEMA 5-15	K7	53	1	20/1	1/2"C, 3#12	
E12A-7	CONVENIENCE OUTLET	120	1	16.0	1.9	NEMA 5-15	K7	55	1	20/1	1/2"C, 3#12	
E12A-8	CONVENIENCE OUTLET	120	1	16.0	1.9	NEMA 5-15	K7	55	1	20/1	1/2"C, 3#12	
E12A-9	CONVENIENCE OUTLET	120	1	16.0	1.9	NEMA 5-15	K7	55	1	20/1	1/2"C, 3#12	
E13A	MULTI RACK SYSTEM BLAST CHILLER	208	3	12.0	4.3	HARDWIRED	K7	21,23,25	3	20/3	1/2"C, 3#12, #12G	
E14A	R.O SYSTEM WATER PROCESSOR	120	1	6.0	0.7	NEMA 5-15	K8	44	1	15/1	1/2"C, 3#12	
E15A	R.O SYSTEM REPRESSURIZATION PUMP	120	1	10.0	1.2	NEMA 5-15	K8	46	1	15/1	1/2"C, 3#12	
E16A	20 QT. HEAVY DUTY MIXER	120	1	15.0	1.8	NEMA 5-20	K7	57	1	20/1	1/2"C, 3#12	
E17A	COMBO FOOD PROCESSOR	208	3	3.8	1.4	NEMA 15-20	K7	27,29,31	3	20/3	1/2"C, 3#12, #12G	
E18A	FOOD CUTTER	208	1	6.0	1.2	NEMA 6-20	K8	36,38	2	20/2	1/2"C, 3#12	EXISTING RELOCATED. FIELD VERIFY LOAD AND CIRCUIT REQUIREMENTS.
E21A	COMM PORT				0.0						2-CAT6	
E22A	CONVENIENCE OUTLET	120	1	16.0	1.9	NEMA 5-15P	K8	49	1	20/1	1/2"C, 3#12	
E24A	PRODUCE COOLER REMOTE CONDESING UNIT	208	3	20.0	5.4	HARDWIRED	K8	23,25,27	3	20/3	1/2"C, 3#12, #12G	
E5B-1	JUNCT. BOX / DUPLEX - CONVIENENCE OUTLETS	120	1	15.0	1.8	J-BOX	K7	59	1	20/1	1/2"C, 3#12	PROVIDE CIRCUIT TO J-BOX AND WIRING TO EQUIPMENT MOUNTED OUTLETS.
E5B-2	JUNCT. BOX / DUPLEX - CONVIENENCE OUTLETS	120	1	15.0	1.8	J-BOX	K7	60	1	20/1	1/2"C, 3#12	
E6B	M.A.R.V.E.L CONTROL PANEL	120	1	15.0	1.8	HARDWIRED		TBD	1	20/1	1/2"C, 3#12	
E7B	EXHAUST HOOD LIGHTS	120	1	15.0	1.8	HARDWIRED	K7	37	1	20/1	1/2"C, 3#12	PROVIDE BRANCH WIRING TO HOOD LIGHTS. PROVIDE SHUNT TRIP.
E8B-1	HOOD CONTROLLER	120	1	10.0	1.2	HARDWIRED		TBD	1	20/1	1/2"C, 3#12	PROVIDE BRANCH WIRING FOR CONTROLS. PROVIDE SHUNT TRIP.
E8B-2	HOOD CONTROLLER	120	1	10.0	1.2	HARDWIRED		TBD	1	20/1	1/2"C, 3#12	PROVIDE BRANCH WIRING FOR CONTROLS. PROVIDE SHUNT TRIP.
E9B-1	FIRE SUPRESSION SYSTEM	120	1	10.0	1.2	HARDWIRED		TBD	1	20/1	1/2"C, 3#12	
E9B-2	FIRE SUPRESSION SYSTEM	120	1	10.0	1.2	HARDWIRED		TBD	1	20/1	1/2"C, 3#12	
E10B-1	DOUBLE COMBI STACKED OVENS (PER OVEN)	208	3	4.8	1.7	HARDWIRED	K8	7,9,11	3	15/3	1/2"C, 3#12, #12G	DUAL POINT CONNECTION. PROVIDE SHUNT TRIP.
E10B-2	DOUBLE COMBI STACKED OVENS (PER OVEN)	208	3	4.8	1.7	HARDWIRED	K8	13,17,19	3	15/3	1/2"C, 3#12, #12G	
E10B-3	DOUBLE COMBI STACKED OVENS (PER OVEN)	208	3	4.8	1.7	HARDWIRED	K8	8,10,12	3	15/3	1/2"C, 3#12, #12G	DUAL POINT CONNECTION. PROVIDE SHUNT TRIP.
E10B-4	DOUBLE COMBI STACKED OVENS (PER OVEN)	208	3	4.8	1.7	HARDWIRED	K8	16,18,20	3	15/3	1/2"C, 3#12, #12G	
E11B-1	DOUBLE GAS STEAMER (IGNITION)	120	1	1.0	0.1	HARDWIRED	K7	41	1	20/1	1/2"C, 3#12	
E11B-2	DOUBLE GAS STEAMER (IGNITION)	120	1	1.0	0.1	HARDWIRED	K7	41	1	20/1	1/2"C, 3#12	
E12B	DUAL TRUNNION KETTLE	120	1	15.0	1.8	HARDWIRED	K7	54	1	20/1	1/2"C, 3#12	
E13B	40 GAL. TILTING KETTLE	120	1	5.0	0.6	HARDWIRED	K7	56	1	20/1	1/2"C, 3#12	
E14B	40. GAL TILTING BRAISING PAN	120	1	5.0	0.6	HARDWIRED	K7	58	1	20/1	1/2"C, 3#12	
E15B	REACH IN FREEZER	120	1	6.5	0.8	NEMA 5-15	K8	48	1	15/1	1/2"C, 3#12	
E16B-1	CONVENIENCE OUTLETS	120	1	1.0	0.1	NEMA 5-15	K7	50	1	20/1	1/2"C, 3#12	
E16B-2	CONVENIENCE OUTLETS	120	1	1.0	0.1	NEMA 5-15	K7	50	1	20/1	1/2"C, 3#12	
E16B-3	CONVENIENCE OUTLETS	120	1	1.0	0.1	NEMA 5-15	K7	50	1	20/1	1/2"C, 3#12	ASSUME 3 OUTLETS PER CIRCUIT
E16B-4	CONVENIENCE OUTLETS	120	1	1.0	0.1	NEMA 5-15	K7	52	1	20/1	1/2"C, 3#12	
E16B-5	CONVENIENCE OUTLETS	120	1	1.0	0.1	NEMA 5-15	K7	52	1	20/1	1/2"C, 3#12	
E16B-6	CONVENIENCE OUTLETS	120	1	1.0	0.1	NEMA 5-15	K7	52	1	20/1	1/2"C, 3#12	
E17B-1	ELECTRIC DOUBLE FRYER	208	3	51.3	17.0	NEMA 15-60	K7	1,3,5	3	60/3	1"C, 3#4, #10G	
E17B-2	ELECTRIC DOUBLE FRYER	208	3	51.3	17.0	NEMA 15-60	K7	7,9,11	3	60/3	1"C, 3#4, #10G	
E18B	HEAT LAMP	120	1	6.3	0.8	NEMA 5-15	K8	50	1	15/1	1/2"C, 3#12	
E19B	72" GRIDDLE STAND REFRIGERATOR	120	1	4.2	0.5	NEMA 5-20	K7	36	1	20/1	1/2"C, 3#12	
E20B	HEAVY-DUTY 36" 6-BURNER RANGE W/ CONVECTION OVEN	120	1	3.4	0.4	NEMA 5-15	K8	52	1	15/1	1/2"C, 3#12	
E21B-1	DOUBLE DECK CONVECTION OVEN	120	1	7.2	0.9	NEMA 5-20	K7	42	1	20/1	1/2"C, 3#12	
E21B-2	DOUBLE DECK CONVECTION OVEN	120	1	7.2	0.9	NEMA 5-20	K7	44	1	20/1	1/2"C, 3#12	
E22B-1	DOUBLE CONVECTION OVEN	120	1	8.0	1.0	NEMA 5-20	K7	46	1	20/1	1/2"C, 3#12	EXISTING RELOCATED. FIELD VERIFY LOAD AND CIRCUIT REQUIREMENTS.
E22B-2	DOUBLE CONVECTION OVEN	120	1	8.0	1.0	NEMA 5-20	K7	38	1	20/1	1/2"C, 3#12	PROVIDE SHUNT TRIP.
E23B	MOBILE HEATER PROOFER	208	1	7.0	1.5	NEMA 6-15P	K7	24,26	2	15/2	1/2"C, 3#12	
E24B	SANDWICH UNIT REFRIGERATOR	120	1	6.0	0.7	NEMA 5-20	K7	61	1	20/1	1/2"C, 3#12	
E25B	TOASTER	120	1	15.0	1.8	NEMA 5-20	K7	35	1	20/1	1/2"C, 3#12	
E26B	JUNCT. BOX / DUPLEX - CONVIENENCE OUTLETS	120	1	15.0	1.8	J-BOX	K7	34	1	20/1	1/2"C, 3#12	PROVIDE CIRCUIT TO J-BOX AND WIRING TO EQUIPMENT MOUNTED OUTLETS.
E27B	POT WASH MACHINE W/BOOSTER HEATER	208	3	47.6	17.1	HARDWIRED	K7	13,15,17	3	60/3	1-1/4"C, 3#4, #10G	PROVIDE LV WIRING TO CONDENSATE HOOD. PROVIDE SHUNT TRIP.
E28B	ULTRA WASH SINK	208	3	20.0	7.2	HARDWIRED	K8	24,26,28	3	20/3	1/2"C, 3#12, #12G	
E29B	SOILED DISH TABLE W/TROUGH/ CONVEYOR	208	1	15.0	3.1	HARDWIRED	K8	29,31	2	20/2	1/2"C, 3#12	
E30B	TROUGH COLLECTOR	208	1	15.0	3.1	HARDWIRED	K8	33,35	2	20/2	1/2"C, 3#12	
E31B	FLIGHT TYPE HIGH TEMP DISWHASHER/BOOSTER HEATER	208	3	139.0	50.1	HARDWIRED	K8	1,3,5	3	175/3	2"C, 3#2/0, #6G	
E32B	FLIGHT TYPE HIGH TEMP DISWHASHER/BOOSTER HEATER	208	3	95.6	34.4	HARDWIRED	K8	2,4,6	3	125/3	1-1/2"C, 3#1, #6G	
E33B	MOBILE HEATED CABINET	120	1	10.0	1.2	NEMA 5-15	K8	54	1	15/1	1/2"C, 3#12	EXISTING RELOCATED. FIELD VERIFY LOAD AND CIRCUIT REQUIREMENTS.
E34B	60 QT. MIXER	208	1	10.9	2.3	NEMA 6-20	K8	30,32	2	20/2	1/2"C, 3#12	EXISTING RELOCATED. FIELD VERIFY LOAD AND CIRCUIT REQUIREMENTS.
E35B	MICROWAVE OVEN	120	1	13.0	1.6	NEMA 5-20	K8	51	1	20/1	1/2"C, 3#12	EXISTING RELOCATED. FIELD VERIFY LOAD AND CIRCUIT REQUIREMENTS.
E36B	UNDERCOUNTER REFRIGERATOR/FREEZER	120	1	1.7	0.2	NEMA 5-20	K8	53	1	20/1	1/2"C, 3#12	EXISTING RELOCATED. FIELD VERIFY LOAD AND CIRCUIT REQUIREMENTS.
E37B	REMOTE PULL STATION											
SUBTOTAL PHASE 1					312.4				133.0			

NOTES:
1. ALL WIRING SHALL BE COPPER UNLESS OTHERWISE NOTED ON PLANS.
2. EC TO VERIFY ALL CONNECTION TYPES WITH FINAL EQUIPMENT SUBMITTALS.
3. EC TO PROVIDE GFCI PROTECTION WHERE REQUIRED PER NEC (ALL KITCHEN OUTLETS AND ALL OUTLETS INSTALLED WITHIN 6' OF A SINK ELSEWHERE).
4. EC TO PROVIDE LINE-OF-SIGHT DISCONNECT SWITCHES FOR ALL HARDWIRED EQUIPMENT PER NEC 422.31.
5. ALL EQUIPMENT LOCATED UNDER HOOD SHALL BE ON SHUNT-TRIP CIRCUIT BREAKERS.
6. POWER/AMP/KVA VALUES INDICATED ARE PRELIMINARY AND MAY NOT BE EXACT FOR ALL EQUIPMENT. CONFIRM VALUES WITH FINAL SUBMITTALS AND FBS DRAWINGS.
7. PANEL ASSIGNMENT IS PRELIMINARY TO HELP WITH ESTIMATING CIRCUIT LENGTHS AND BREAKER NEEDS.
8. REFER TO FOOD SERVICE DRAWINGS FOR EQUIPMENT LOCATIONS.

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ELECTRICAL
EBD SERVICES
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PROJECT MANAGER
TURNER & TOWNSEND
920 Fifth Avenue,
Seattle, WA, 98104

PHASE 1 PERMIT SET 04/24/2025

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

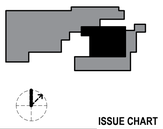
MultiCare Good Samaritan Hospital Kitchen

401 15th Ave SE,
Puyallup,
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

PHASE 1 - EQUIPMENT COORDINATION SCHEDULES

SHEET NUMBER

E80-01

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PANEL SCHEDULE — B4/PNL/2LA/2.6E.0 (2XA)

208 Y/ 120 VOLTS	NORMAL POWER	BUS RATING:	225 AMPS	LOCATION:	A LEVEL	SPEC PANEL WITH:	YES	NO
3 -PHASE	PNL. MFR.: SQUARE D	MAIN BKR:	MCB	MOUNTING:	SURFACE	FEED-THRU LUGS	X	
4 -WIRE	CAT. NO.:	A.I.C. RATING:	22,000 AIC SYM	FED FROM:		DOUBLE LUGS		X
						200% NEUTRAL		X

CKT NO.	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CODE	LOAD (kVA)	BKR AMPS	PH	BKR AMPS	LOAD (kVA)	CODE	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CKT NO.
1	SPARE				20/1	-A-	20/1	1.00		FIRE ALARM - MAIN PANEL CABINET 2		2
3	AUTOMATIC DOORS			0.60	20/1	-B-	20/1	0.50		FIRE ALARM - DOORS		4
5	FIRE ALARM TRANS			0.60	20/1	-C-	20/1	0.50		FIRE ALARM		6
7	LTG - CORR	1ST FLOOR	L	1.00	20/1	-A-	20/1	0.50	L	LTG - CORR, AUTO DOOR		8
9	LTG - DINING		L	1.00	20/1	-B-	20/1	0.17	L	LTG - ELEVATOR		10
11	LTG - EXIT		L	0.50	20/1	-C-	20/1	1.48	L	LTG - SERVERY		12
13	LTG - CORR			1.00	20/1	-A-	20/1			SPARE		14
15	SPARE				20/1	-B-	20/1			SPARE		16
17	SPARE				20/1	-C-	20/1			SPARE		18
19	SPARE				20/1	-A-	20/1			SPARE		20
21	SPARE				20/1	-B-	20/1			SPARE		22
23	SPARE				20/1	-C-	20/1			SPARE		24
25	SPARE				20/1	-A-	20/1		**L**	**EGRESS LIGHTING**	**PHASE 1 (NOTE 3)**	26
27	SPARE				20/1	-B-	20/1		**L**	**EGRESS LIGHTING**	**PHASE 2 (NOTE 3)**	28
29	SPARE				20/1	-C-	20/1	**0.50**	**Z**	**FIRE SMOKE DAMPERS**	**(NOTE 3)**	30
31	SPARE				20/1	-A-	20/1			SPARE		32
33	SPARE				20/1	-B-	20/1			SPARE		34
35	SPARE				20/1	-C-	20/1			SPARE		36
37	SPARE				20/1	-A-	20/1			SPARE		38
39	SPARE				20/1	-B-	20/1			SPARE		40
41	SPARE				20/1	-C-	20/1			SPARE		42

CODES:		CONNECTED LOAD	CALCULATED DEMAND LOAD	
H	= HVAC LOADS	0.00 kVA	0.00 kVA	(100%)
K	= KITCHEN EQUIPMENT	0.00 kVA	0.00 kVA	(100%)
L	= LIGHTING LOADS	5.65 kVA	7.06 kVA	(125%)
LM	= LARGEST SINGLE MOTOR	0.00 kVA	0.00 kVA	(125%)
M	= OTHER MOTOR LOADS	0.00 kVA	0.00 kVA	(100%)
NC	= NON-COINCIDENTAL LOADS	0.00 kVA	0.00 kVA	(0%)
R	= GENERAL USE RECEPTACLES	0.00 kVA	0.00 kVA	(50%>10kVA)
S	= DEDICATED RECEPTACLES	0.00 kVA	0.00 kVA	(100%)
Z	= MISC. OR APPLIANCES	3.70 kVA	3.70 kVA	(100%)
	TOTALS:	9.35 kVA	10.76 kVA	
		26.0 AMPS	30 AMPS	

NOTES:
1. THIS IS AN EXISTING PANELBOARD TO REMAIN. ALL OVERCURRENT DEVICES ARE EXISTING. REVISED CIRCUITS ARE SHOWN IN BOLD.
2. UTILIZE EXISTING SPARE TO FEED NEW LOAD.

PANEL SCHEDULE — B4/PNL/2N1/4.1F.4(K7)-NEW FINAL

208 Y/ 120 VOLTS	NORMAL POWER	BUS RATING:	400 AMPS	LOCATION:	ELECTRICAL ROOM EXTERIOR	SPEC PANEL WITH:	YES	NO
3 -PHASE	PNL. MFR.:	MAIN BKR:	MLO	MOUNTING:	SURFACE	FEED-THRU LUGS	X	
4 -WIRE	CAT. NO.:	A.I.C. RATING:	AIC SYM	FED FROM:	200A MAIN SWBD	DOUBLE LUGS		X
						200% NEUTRAL		X

CKT NO.	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CODE	LOAD (kVA)	BKR AMPS	PH	BKR AMPS	LOAD (kVA)	CODE	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CKT NO.
1		(NOTE 2)	K	5.67		-A-	200/2			SPARE		2
3	E17B-1		K	5.67	60/3	-B-						4
5			K	5.67		-C-	50/2			SPARE		6
7		(NOTE 2)	K	5.67		-A-						8
9	E17B-2		K	5.67	60/3	-B-				SHUNT TRIP		10
11			K	5.67		-C-	25/2			SPARE		12
13		(NOTE 2)	K	5.70		-A-						14
15	E27B		K	5.70	60/3	-B-	30/2			SPARE		16
17			K	5.70		-C-						18
19	SHUNT TRIP FOR E27B					-A-	15/2	0.80	K	FTU-106		20
21			K	1.43		-B-		0.80	K			22
23	E13A		K	1.43	20/3	-C-	15/2	0.50	K	E23B		24
25			K	1.43		-A-		0.50	K			26
27		(NOTE 3)	K	0.47		-B-	15/2			SPARE		28
29	E17A		K	0.47	20/3	-C-						30
31			K	0.47		-A-				SHUNT TRIP		32
33	SHUNT TRIP				20/1	-B-	20/1	1.80	K	E26B		34
35	E25B		K	1.80	20/1	-C-	20/1	0.50	K	E19B		36
37	E7B		K	1.80	20/1	-A-	20/1	1.00	K	E22B-2		38
39	SHUNT TRIP FOR E7B					-B-	20/1		K	SHUNT TRIP FOR E22B-2		40
41	E11B-1,2		K	0.20	20/1	-C-	20/1	0.90	K	E21B-1		42
43	E3A-1		K	1.80	20/1	-A-	20/1	0.90	K	E21B-2		44
45	E3A-2		K	1.80	20/1	-B-	20/1	1.00	K	E22B-1		46
47	E3A-3		K	1.80	20/1	-C-				SHUNT TRIP FOR E22B-1		48
49	E3A-4		K	1.80	20/1	-A-	20/1	0.54	R	E16B-1,2,3		50
51	E12A-1,2,3		R	0.54	20/1	-B-	20/1	0.54	R	E22B-4,5,6		52
53	E12A-4,5,6		R	0.54	20/1	-C-	20/1	1.80	K	E12B		54
55	E12A-7,8,9		R	0.54	20/1	-A-	20/1	0.60	K	E13B		56
57	E16A		K	1.80	20/1	-B-	20/1	0.60	K	E14B		58
59	E5B-1		K	1.80	20/1	-C-	20/1	1.80	K	E5B-2		60
61	E24B		K	0.70	20/1	-A-	20/1			SPARE		62
63	SPARE				20/1	-B-	20/1			SPARE		64
65	SPARE				20/1	-A-	20/1			SPARE		66
67	SPARE				20/1	-B-	20/1			SPARE		68
69	SPARE				20/1	-A-	20/1			SPARE		70
71	SPARE				20/1	-B-	20/1			SPARE		72
73	SPARE				20/1	-A-	20/1			SPARE		74
75	SPARE				20/1	-B-	20/1			SPARE		76
77	SPARE				20/1	-A-	20/1			SPARE		78
79	SPARE				20/1	-B-	20/1			SPARE		80
81	SPARE				20/1	-A-	20/1			SPARE		82
83	SPARE				20/1	-B-	20/1			SPARE		84

CODES:		CONNECTED LOAD	CALCULATED DEMAND LOAD	
H	= HVAC LOADS	1.60 kVA	1.60 kVA	(100%)
K	= KITCHEN EQUIPMENT	84.00 kVA	84.00 kVA	(100%)
L	= LIGHTING LOADS	0.00 kVA	0.00 kVA	(125%)
LM	= LARGEST SINGLE MOTOR	0.00 kVA	0.00 kVA	(125%)
M	= OTHER MOTOR LOADS	0.00 kVA	0.00 kVA	(100%)
NC	= NON-COINCIDENTAL LOADS	0.00 kVA	0.00 kVA	(0%)
R	= GENERAL USE RECEPTACLES	2.70 kVA	2.70 kVA	(50%>10kVA)
S	= DEDICATED RECEPTACLES	0.00 kVA	0.00 kVA	(100%)
Z	= MISC. OR APPLIANCES	0.00 kVA	0.00 kVA	(100%)
	TOTALS:	88.30 kVA	88.30 kVA	
		245.1 AMPS	245 AMPS	

NOTES:
1. THIS IS A NEW PANELBOARD. LOAD INDICATED IS FOR PHASE 1 FINAL. PROVIDE GFCI BREAKERS FOR ALL CIRCUITS.
2. REPLACE 30A/3PBREAKER FROM STEP 1 WITH NEW 60A/3P.
3. REPLACE 30A/3PBREAKER FROM STEP 1 WITH NEW 20A/3P.

PANEL SCHEDULE — B4/PNL/2N1/4.1F.4(K7)-NEW STEP 1

208 Y/ 120 VOLTS	NORMAL POWER	BUS RATING:	400 AMPS	LOCATION:	ELECTRICAL ROOM EXTERIOR	SPEC PANEL WITH:	YES	NO
3 -PHASE	PNL. MFR.:	MAIN BKR:	MLO	MOUNTING:	SURFACE	FEED-THRU LUGS	X	
4 -WIRE	CAT. NO.:	A.I.C. RATING:	AIC SYM	FED FROM:	200A MAIN SWBD	DOUBLE LUGS		X
						200% NEUTRAL		X

CKT NO.	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CODE	LOAD (kVA)	BKR AMPS	PH	BKR AMPS	LOAD (kVA)	CODE	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CKT NO.
1			K	2.83		-A-	200/2	17.30	K	E38B		2
3	E45B-1		K	2.83	30/3	-B-		17.30	K			4
5			K	2.83		-C-	50/2	4.15	K	E41B		6
7			K	2.83		-A-		4.15	K			8
9	E45B-2		K	2.83	30/3	-B-				SHUNT TRIP FOR E41B		10
11			K	2.83		-C-	25/2	2.00	K	E43B		12
13			K	2.60		-A-		2.00	K			14
15	E42B-1		K	2.60	30/3	-B-	30/2	2.70	K	E44B		16
17			K	2.60		-C-		2.70	K			18
19	SHUNT TRIP FOR E42B					-A-	15/2	2.30	K	E46B		20
21						-B-		2.30	K			22
23	SPARE				20/3	-C-	15/2	2.30	K	E47B		24
25						-A-		2.30	K			26
27			K	2.60		-B-	15/2	0.50	K	E49B		28
29	E42B-2		K	2.60	30/3	-C-		0.50	K			30
31			K	2.60		-A-				SHUNT TRIP FOR E49B		32
33	SHUNT TRIP FOR E42B			0.60	20/1	-B-	20/1	1.00	K	E50B-1		34
35	E39B-2		K		20/1	-C-	20/1	1.00	K	E50B-2		36
37	E40B		K	0.60	20/1	-A-	20/1	1.00	K	E50B-3		38
39	SHUNT TRIP FOR E40B					-B-	20/1	1.00	K	E50B-4		40
41	E48B		K	1.20	20/1	-C-	20/1	0.90	K	E51B-1		42
43	E39B-1		K	0.60	20/1	-A-	20/1	0.90	K	E51B-2		44
45	SPARE				20/1	-B-	20/1			SPARE		46
47	SPARE				20/1	-C-	20/1			SPARE		48
49	SPARE				20/1	-A-	20/1			SPARE		50
51	SPARE				20/1	-B-	20/1			SPARE		52
53	SPARE				20/1	-C-	20/1			SPARE		54
55	SPARE				20/1	-A-	20/1			SPARE		56
57	SPARE				20/1	-B-	20/1			SPARE		58
59	SPARE				20/1	-C-	20/1			SPARE		60
61	SPARE				20/1	-C-	20/1			SPARE		62
63	SPARE				20/1	-C-	20/1			SPARE		64
65	SPARE				20/1	-A-	20/1			SPARE		66
67	SPARE				20/1	-B-	20/1			SPARE		68
69	SPARE				20/1	-A-	20/1			SPARE		70
71	SPARE				20/1	-B-	20/1			SPARE		72
73	SPARE				20/1	-A-	20/1			SPARE		74
75	SPARE				20/1	-B-	20/1			SPARE		76
77	SPARE				20/1	-A-	20/1			SPARE		78
79	SPARE				20/1	-B-	20/1			SPARE		80
81	SPARE				20/1	-A-	20/1			SPARE		82
83	SPARE				20/1	-B-	20/1			SPARE		84

CODES:		CONNECTED LOAD	CALCULATED DEMAND LOAD	
H	= HVAC LOADS	0.00 kVA	0.00 kVA	(100%)
K	= KITCHEN EQUIPMENT	103.90 kVA	103.90 kVA	(100%)
L	= LIGHTING LOADS	0.00 kVA	0.00 kVA	(125%)
LM	= LARGEST SINGLE MOTOR	0.00 kVA	0.00 kVA	(125%)
M	= OTHER MOTOR LOADS	0.00 kVA	0.00 kVA	(100%)
NC	= NON-COINCIDENTAL LOADS	0.00 kVA	0.00 kVA	(0%)
R	= GENERAL USE RECEPTACLES	0.00 kVA	0.00 kVA	(50%>10kVA)
S	= DEDICATED RECEPTACLES	0.00 kVA	0.00 kVA	(100%)
Z	= MISC. OR APPLIANCES	0.00 kVA	0.00 kVA	(100%)
	TOTALS:	103.90 kVA	103.90 kVA	
		288.4 AMPS	288 AMPS	

NOTES:
1. THIS IS A NEW PANELBOARD. LOAD INDICATED IS FOR TEMPORARY POD. PROVIDE GFCI BREAKERS FOR ALL CIRCUITS.

PANEL SCHEDULE — B4/PNL/(K8-R)-NEW

208 Y/ 120 VOLTS	NORMAL POWER	BUS RATING:	225 AMPS	LOCATION:	ROOF (TBD)	SPEC PANEL WITH:	YES	NO
3 -PHASE	PNL. MFR.:	MAIN BKR:	MLO	MOUNTING:	SURFACE	FEED-THRU LUGS		X
4 -WIRE	CAT. NO.:	A.I.C. RATING:	AIC SYM	FED FROM:	K8	DOUBLE LUGS		X
						200% NEUTRAL		X

CKT NO.	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CODE	LOAD (kVA)	BKR AMPS	PH	BKR AMPS	LOAD (kVA)	CODE	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CKT NO.
1			H	3.00		-A-		2.40	H			2
3	E5A		H	3.00	40/3	-B-	25/3	2.40	H	E11A		4
5			H	3.00		-C-		2.40	H			6
7			H	7.20		-A-		3.60	H			8
9	E7A		H	7.20	60/3	-B-	15/3	3.60	H	E9A		10
11			H	7.20		-C-		3.60	H			12
13			LM	2.90		-A-		0.55	M			14
15	KEF-2		LM	2.90	50/3	-B-	15/3	0.55	M	DEF-1		16
17			LM	2.90		-C-		0.55	M			18
19						-A-		1.27	M			20
21	SPARE				20/3	-B-	20/3	1.27	M	EF-4		22
23						-C-		1.27	M			24
25	SPACE					-A-				SPACE		26
27	SPACE					-B-				SPACE		28
29	SPACE					-C-				SPACE		30

CODES:		CONNECTED LOAD	CALCULATED DEMAND LOAD	
H	= HVAC LOADS	48.60 kVA	48.60 kVA	(100%)
K	= KITCHEN EQUIPMENT	0.00 kVA	0.00 kVA	(100%)
L	= LIGHTING LOADS	0.00 kVA	0.00 kVA	(125%)
LM	= LARGEST SINGLE MOTOR	8.71 kVA	10.89 kVA	(125%)
M	= OTHER MOTOR LOADS	5.47 kVA	5.47 kVA	(100%)
NC	= NON-COINCIDENTAL LOADS	0.00 kVA	0.00 kVA	(0%)
R	= GENERAL USE RECEPTACLES	0.00 kVA	0.00 kVA	(50%>10kVA)
S	= DEDICATED RECEPTACLES	0.00 kVA	0.00 kVA	(100%)
Z	= MISC. OR APPLIANCES	0.00 kVA	0.00 kVA	(100%)
	TOTALS:	62.78 kVA	64.96 kVA	
		174.3 AMPS	180 AMPS	

NOTES:
1. THIS IS A NEW PANELBOARD. PROVIDE GFCI BREAKERS FOR ALL CIRCUITS.

PANEL SCHEDULE — B4/PNL/2N1/4.1F.4(K8)-NEW

208 Y/ 120 VOLTS	NORMAL POWER	BUS RATING:	600 AMPS	LOCATION:	ELECTRICAL ROOM EXTERIOR	SPEC PANEL WITH:	YES	NO
3 -PHASE	PNL. MFR.:	MAIN BKR:	MLO	MOUNTING:	SURFACE	FEED-THRU LUGS	X	
4 -WIRE	CAT. NO.:	A.I.C. RATING:	AIC SYM	FED FROM:	200A MAIN SWBD	DOUBLE LUGS		X
						200% NEUTRAL		X

CKT NO.	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CODE	LOAD (kVA)	BKR AMPS	PH	BKR AMPS	LOAD (kVA)	CODE	CIRCUIT DESCRIPTION	LOAD LOCATION (ROOM NO. / GRID)	CKT NO.
1			K	16.70		-A-		11.47	K			2
3	E31B		K	16.70	175/3	-B-	125/3	11.47	K	E32-B		4
5			K	16.70		-C-		11.47	K			6
7			K	0.57		-A-		0.57	K			8
9	E10B-1		K	0.57	15/3	-B-	15/3	0.57	K	E10B-3		10
11			K	0.57		-C-		0.57	K			12
13	SHUNT TRIP FOR E10B-1					-A-				SHUNT TRIP FOR E10B-3		14
15			K	0.57		-B-		0.57	K			16
17	E10B-2		K	0.57	15/3	-C-	15/3	0.57	K	E10B-4		18
19			K	0.57		-A-		0.57	K			20
21	SHUNT TRIP FOR E10B-2					-B-				SHUNT TRIP FOR E10B-4		22
23			K	1.80		-C-		2.40	K			24
25	E24A		K	1.80	20/3	-A-	20/3	2.40	K	E28B		26
27			K	1.80		-B-		2.40	K			28
29			K	1.55	20/2	-C-	20/2	0.77	K	E34B		30
31	E29B		K	1.55		-A-		0.77	K			32
33			K	1.55	20/2	-B-	20/2	0.60	K	E18A		34
35	E30B		K	1.55		-C-		0.60	K			36
37					20/1	-A-	20/2					38
39					20/1	-B-						40
41					20/1	-C-	20/1					42
43					20/1	-A-	20/1	0.70	K	E14A		44
45					20/1	-B-	20/1	1.20	K	E15A		46
47					20/1	-C-	20/1	0.80	K	E15B		48
49	E22A		R	1.90	20/1	-A-	20/1	0.80	K	E18B		50
51	E35B		K	1.60	20/1	-B-	20/1	0.40	K	E20B		52
53	E36B		K	0.20	20/1	-C-	15/1	1.20	K	E33B		54
55			H	20.93		-A-						56
57	SUB-PANEL K8-R ON ROOF		H	20.93	225	-B-	X/3			SPACE		58
59			H	20.93		-C-						60

CODES:		CONNECTED LOAD	CALCULATED DEMAND LOAD	
H	= HVAC LOADS	48.60 kVA	48.60 kVA	(100%)
K	= KITCHEN EQUIPMENT	119.73 kVA	119.73 kVA	(100%)
L	= LIGHTING LOADS	0.00 kVA	0.00 kVA	(125%)
LM	= LARGEST SINGLE MOTOR	8.71 kVA	10.89 kVA	(125%)
M	= OTHER MOTOR LOADS	5.47 kVA	5.47 kVA	(100%)
NC	= NON-COINCIDENTAL LOADS	0.00 kVA	0.00 kVA	(0%)
R	= GENERAL USE RECEPTACLES	1.90 kVA	1.90 kVA	(50%>10kVA)
S	= DEDICATED RECEPTACLES	0.00 kVA	0.00 kVA	(100%)
Z	= MISC. OR APPLIANCES	0.00 kVA	0.00 kVA	(100%)
	TOTALS:	184.41 kVA	186.59 kVA	
		511.9 AMPS	518 AMPS	

NOTES:
1. THIS IS A NEW PANELBOARD. PROVIDE GFCI BREAKERS FOR ALL CIRCUITS.

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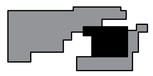
MultiCare
Good Samaritan Hospital

MULTICARE

PHASE 1 PERMIT SET 04/24/2025

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number

TITLE

PHASE 1 - PANEL SCHEDULES

SHEET NUMBER

E80-03

ELECTRICAL SET INCLUDED FOR REFERENCE ONLY

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PLUMBING GENERAL ABBREVIATIONS

ABBR	FULL NAME	ABBR	FULL NAME	ABBR	FULL NAME
AAV	AIR ADMITTANCE VALVE	DN	DOWN	NIC	NOT IN CONTRACT
ABV	ABOVE	DS	DOWNSPOUT	NSF	NATIONAL SANITATION FOUNDATION
AFF	ABOVE FINISHED FLOOR	DWG	DRAWING	NTS	NOT TO SCALE
AP	ACCESS PANEL	E	EXISTING	ORD	OVERFLOW ROOF DRAIN
BEL	BELOW	ELEV	ELEVATION	POC	POINT OF CONNECTION
BFP	BACKFLOW PREVENTER	ET	EXPANSION TANK	PRV	PRESSURE REDUCING VALVE
BOP	BOTTOM OF PIPE	EWH	ELECTRIC WATER HEATER	PVC	POLYVINYL CHLORIDE
BV	BALL VALVE	F	FIRE	RD	ROOF DRAIN
BWV	BACK WATER VALVE	FCO	FLOOR CLEAN OUT	RPBA	REDUCED PRESSURE BACKFLOW ASSY
CB	CATCH BASIN	FD	FLOOR DRAIN	TOG	TOP OF GRATE
CFF	CAP FOR FUTURE	FU	FIXTURE UNIT	UG	UNDER GROUND
CI	CAST IRON	GCO	GRADE CLEANOUT	UNO	UNLESS NOTED OTHERWISE
CL	CENTER LINE	GI	GREASE INTERCEPTOR	VTR	VENT THRU ROOF
CO	CLEAN OUT	GPM	GALLONS PER MINUTE	W/	WITH
CPVC	CPVC MATERIAL	GWH	GAS WATER HEATER	WCO	WALL CLEAN OUT
DCBP	DOUBLE CHECK BACKFLOW PREVENTER	HB	HOSE BIBB	WH	WALL HYDRANT
DCVA	DOUBLE CHECK VALVE ASSEMBLY	HP	HIGH PRESSURE	WHA	WATER HAMMER ARRESTOR
DCW	DOMESTIC COLD WATER	IE	INVERT ELEVATION	WM	WATER METER
DHW	DOMESTIC HOT WATER	MFR	MANUFACTURER	WSFU	WATER SERVICE FIXTURE UNIT
DEMO	DEMOLISH	MH	MANHOLE	YH	YARD HYDRANT
DFU	DRAINAGE FIXTURE UNIT				

PLUMBING SYSTEM LEGEND

LINE TYPE	FULL NAME	ABBR	LINE TYPE	FULL NAME	ABBR
DOMESTIC WATER			**SANITARY SEWER**		
— – ——— – —	DOMESTIC COLD WATER	CW	——GD——	GARAGE DRAIN	GD
— – – — – – —	DOMESTIC HOT WATER	HW	——GW——	GREASE WASTE	GW
— – – – — – – – —	DOMESTIC HOT WATER CIRC	HWC	——IW——	INDIRECT WASTE	IW
— – ——HP—— – —	DOMESTIC COLD, HIGH PRESSURE	CW-HP	——PW——	PUMPED WASTE	PW
— – – —HP— – – —	DOMESTIC HOT, HIGH PRESSURE	HW-HP	— — — — — —	SANITARY VENT	V
— – – – —HP— – – – —	DOMESTIC HOT CIRC, HIGH PRESSURE	HWC-HP	————	SANITARY WASTE	W
— – – —HT— – – —	DOMESTIC HOT, HIGH TEMP (>140)	HW-HT			
— – – – —HT— – – – —	DOMESTIC HOT CIRC, HIGH TEMP (>140)	HWC-HT	**STORM**		
——FW——	FILTERED WATER	FW	— — —FTDR— — —	FOOTING DRAIN	FTDR
——TW——	TEMPERED WATER	TW	——ORL——	OVERFLOW RAIN LEADER	ORL
——TWC——	TEMPERED WATER CIRC	TWC	——RL——	RAIN LEADER	RL
——TP——	TRAP PRIMER	TP	——PRL——	PUMPED RAIN LEADER	PRL
FUEL GASES					
——NG-L——	NATURAL GAS LOW PRESSURE	NG-L			
——NG-M——	NATURAL GAS MEDIUM PRESSURE	NG-M			
——NG-H——	NATURAL GAS HIGH PRESSURE	NG-H			
— — —NG-V— — —	GAS VENT	NG-V			
——LPG——	LIQUID PROPANE GAS	LPG			
——FLU——	FLUE VENT	FLU			
——COMB——	COMBUSTION AIR	COMB			

PLUMBING SYSTEM LEGEND

SYMBOL	FULL NAME	ABBR	SYMBOL	FULL NAME	ABBR
	VALVE TWO-WAY CONTROL	2WAY	——W——	PIPE - EXISTING	
	VALVE THREE-WAY CONTROL	3WAY	- - -W- - -	PIPE - DEMO	
AF	VALVE AUTOMATIC FLOW CONTROL	AF	——W——	PIPE - NEW	
	VALVE BACKWATER VALVE	BWV	- - -W- - -	PIPE - FUTURE	
	VALVE BALANCING	BALV	6" W	PIPE - SIZE & ABBREVIATION	
	VALVE BALANCING AUTOMATIC	ABALV	6" DHW-W	PIPE - SIZE & ABBREVIATION WITH INSULATION	
	VALVE BALL - FULL PORTED	BV		FLEX PIPE	
	VALVE BALL - W/ 3/4" HOSE ADAPTOR	BV W/ HA		PIPE - HEAT TRACE	
	VALVE CHECK	CV		PUMP	
	VALVE GAS COCK	GC		EXPANSION TANK	ET
	VALVE GATE	GV		60° OFFSET FOR SUDS	60° OFST
	VALVE GLOBE	GLV		DOMESTIC PEX MANIFOLD	MFLD
	VALVE PRESSURE REDUCING	PRV		PLUMBING TRAP	TRAP
	VALVE PRESSURE RELIEF	RV	FLTR-1	PLUMBING FIXTURE N.I.C. TAG	
S	VALVE SOLENOID	SV	WC-1	PLUMBING FIXTURE TAG	
	WATER HAMMER ARRESTOR	WHA		PLUMBING FIXTURE	
	DOUBLE CHECK BACKFLOW PREVENTER	DCBP	WH-1	PLUMBING EQUIPMENT TAG	
	REDUCED PRESS. BACKFLOW PREVENTER	RPBP	1/2% SLOPE	1/16" PER FOOT PIPE SLOPE	
P	PRESSURE INDICATOR	PRESS	1%SLOPE	1/8" PER FOOT PIPE SLOPE	
	TEMPERATURE INDICATOR	THERM	2% SLOPE	1/4" PER FOOT PIPE SLOPE (TYP. UNO)	
M	SUB-METER WATER FLOW	MTR		VENT THROUGH ROOF	VTR
	PRESSURE / TEMPERATURE PORT	P&T		FLOOR CLEANOUT	FCO
	STRAINER	STRN		WALL CLEANOUT	WCO
	UNION	UNION		FLOOR DRAINS	FD
	HOSE BIBB	HB		FLOOR SINKS	FS
	PIPE BREAK - PIG TAIL			ROOF DRAIN (RISER)	RD
	POINT OF CONNECTION	POC		OVER-FLOW DRAIN (RISER)	OD
	FLOW ARROW			ROOF, OVERFLOW, & COMBINATION DRAINS	OD/RD
	CONCENTRIC REDUCER	CR		PLANTER DRAIN	
	THERMAL EXPANSION DEVICE	EXP			

PLUMBING EQUIPMENT SCHEDULE

NO.	EQUIPMENT DESCRIPTION
SA-A	SHOCK ARRESTOR - SIOUX CHIEF 652-A, PDI RATED SIZE A, 1/2" THREADED CONNECTION, SEALED CHAMBER WITH PISTON RATED FOR WALL CLOSURE.
TP-1	TRAP PRIMER - PRECISION PLUMBING PRODUCTS MODEL MP-500-115V, MINI-PRIME ELECTRONIC TRAP PRIMER, 115 VOLT/1 PHASE, ADJUSTABLE RECYCLE TIMER, SOLENOID OPERATED, WITH AIR GAP. MAX 4 DRAINS. HORIZONTAL LINES SLOPE TO DRAIN. MAX 20' RECOMMENDED. ELECTRICAL TO PROVIDE DISCONNECT.

BALANCING VALVE & CIRCUIT BALANCING VALVE SCHEDULE

UNIT NO.	MFR. MODEL NO.	VALVE SIZE	GPM	VALVE POSITION	Cv RATING FULL OPEN	PRESSURE DROP IN PSI	NOTES
BV-1	VICTAULIC TA SERIES 78BL	3/4"	0.94-12.48	1-20	6.67	? PSI	1, 2
BV-2	VICTAULIC TA SERIES 78BL	1"	1.56-19.30	1-20	10.32	? PSI	1, 2
BV-3	VICTAULIC TA SERIES 78BL	2"	6.18-85.00	1-20	45.3	? PSI	1, 2
CBV-1	CIRCUIT SOLVER CSUAS-1/2-115-CV1	1/2"	0.50	FACTORY SET	0.6	.69 (1.60' TDH)	1, 2, 3
CBV-2	B&G CIRCUIT SETTER PLUS RF-1/2S LF	1/2"	1/2	FIELD SET			2, 4, 5

NOTES:
1. THREADED CONNECTION.
2. COMPLIES WITH NSF/ANSI STANDARD 61 FOR LEAD CONTENT.
3. INCLUDES FACTORY SUPPLIED STRAINER, CHECK VALVE, (2) SHUT-OFF VALVES AND UNION.
4. SWEAT CONNECTION.
5. INCLUDES FACTORY SUPPLIED CAPPED READOUT VALVES, CHECK VALVES AND DRAIN PORT.

BACKFLOW PREVENTER SCHEDULE

SYMBOL	LOCATION	TYPE	SYSTEM SERVICED	MFR. & MODEL NO.	SIZE	AIR GAP MODEL	MAX DESIGN FLOW PRESSURELOSS	WEIGHT (LBS)	NOTES
BFP-01	KITCHEN	REDUCED PRESSURE		WATTS LF009-QT-FS	1/2"	909AGA	17 PSI @ 5 GPM	6	1, 2
BFP-02	KITCHEN	REDUCED PRESSURE		WATTS LF009-QT-FS	3/4"	909AGC	13 PSI @ 3-20 GPM	8	1, 2
BFP-03	KITCHEN	DOUBLE CHECK		WATTS LF007QT-FZ	1/2"	-	3 PSI @ 10-40 GPM	5	3

NOTES:
1. PROVIDE WITH PRESSURE DIFFERENTIAL RELIEF VALVE LOCATED BETWEEN TWO INDEPENDENTLY OPERATED SPRING LOADED CHECK VALVES, TWO RESILIENT SEAT BALL VALVES AND FOUR RESILIENT SEATED BALL TEST COCKS, AND A "Y" STRAINER. W/ AIR GAP.
2. BRONZE CONSTRUCTION, ASSE 1013 & NSF-61 LISTED.
3. BRONZE CONSTRUCTION, ASSE 1015 & NSF-61 LISTED.

MIXING VALVE SCHEDULE

UNIT NO.	LOCATION	SERVICE	MFR. & MODEL NO.	TYPE	INLET SIZE	OUTLET SIZE	OUTLET TEMP	GPM RANGE	PSI LOSS	NOTES
MV-1	AT ALL LAVS	DOMESTIC LAVS	WATTS LFUSG-B-M2	THERMOSTATIC	1/2"	1/2"	105°F	0.35-1	-	1, 2
MV-2										

NOTES:
1. POINT OF USE, ASSE 1070 VALVE. W/ TAMPER RESISTANT LOCKING CAP
2. BRONZE CONSTRUCTION.

2021 WASHINGTON STATE ENERGY CODE COMMISSIONING AND BALANCING SCHEDULE

COMMISSIONING IN COMPLIANCE WITH 2021 WASHINGTON STATE ENERGY CODE (WSEC) SECTION C408 SHALL BE REQUIRED FOR ALL NEW SYSTEMS OR MODIFIED PORTIONS OF SYSTEMS UNLESS THE SYSTEMS MEET ONE OR MORE OF THE FOLLOWING EXCEPTIONS:

EXCEPTION 2: SERVICE WATER HEATING SYSTEMS IN BUILDNGS WITH SERVICE WATER HEATING SYSTEMS CAPACITY LESS THAN 200,000 BTU/H AND THERE ARE NO POOLS OR
PERMANENT SPAS, SOLAR THERMAL HEATING, RECIRCULATION PUMPS, AND HEAT PUMP WATER HEATERS (EXCEPT PACKAGED UNITS FOR RESIDENTIAL USE).

EXCEPTION 4: REFRIGERATION SYSTEMS LIMITED TO SELF CONTAINED UNITS.

THE COMMISSIONING PROFESSIONAL MUST MEET ONE OF THESE MINIMUM REQUIREMENTS:

1) AN INDIVIDUAL WHO IS CERTIFIED BY AN ANSI/ISO/IEC 17024:2012 ACCREDITED ORGANIZATION TO LEAD, PLAN, COORDINATE AND MANAGE COMMISSIONING TEAMS AND IMPLEMENT THE COMMSSIONING PROCESS.

THE COMMISSIONING PROFESSIONAL SHALL PERFORM THE FOLLOWING TASKS:

1) DEVELOPMENT AND EXECUTION OF THE COMMISIONING PLAN, INCLUDING ALL SUBSECTIONS OF WSEC SECTION C408.1.2.
2) REVIEW OF BUILDING DOCUMENTATION AND CLOSE OUT SUBMITTALS.
3) PREPAIRING THE FINAL COMMIISSIONING REPORT IN ACCORDANCE WITH WSEC SECTION C408.1.3.

ALL EQUIPMENT/SYSTEMS LISTED IN DRAWING EQUIPMENT SCHEDULES SHALL BE COMMISSIONED UNLESS LISTED AS AN EXCEPTION WITHIN THIS SCHEDULE.

WHERE THE CERTIFIED COMMISSIONING PROFESSIONAL'S CONTRACT OR EMPLOYMENT IS OTHER THAN DIRECTLY WITH THE BUILDING OWNER, AN IN-HOUSE COMMISSIONING DISCLOSURE AND CONFLICT MANAGEMENT PLAN SHALL BE A PART OF THE COMMISSIONING PROCESS. A COPY SHALL BE INCLUDED IN THE COMMISSIONING PLAN. THIS PLAN SHALL DISCLOSE THE CERTIFIED COMMISSIONING PROFESSIONAL'S CONTRACTUAL RELATIONSHIP WITH OTHER TEAM MEMBERS AND PROVIDE A CONFLICT MANAGEMENT PLAN DEMONSTRATING THAT THE CERTIFIED COMMISSIONING PROFESSIONAL IS FREE TO IDENTIFY ANY ISSUES DISCOVERED AND REPORT DIRECTLY TO THE OWNER.

FUNCTIONAL PERFORMANCE TESTING SHALL BE CONDUCTED FOR MECHANICAL SYSTEMS IN WSEC SECTIONS C403; SERVICE WATER HEATING SYSTEMS IN WSEC SECTION C404; EQUIPMENT, APPLIANCES AND SYSTEMS INSTALLED TO COMPLY WITH WSEC SECTION C406 OR C407; ENERGY METERING IN WSEC SECTION C409; AND REFRIGERATION SYSTEMS IN WSEC SECTION C410. WRITTEN PROCEDURES WHICH CLEARLY DESCRIBE THE INDIVIDUAL SYSTEMATIC TEST PROCEDURES, THE EXPECTED SYSTEM RESPONSE OR ACCEPTANCE CRITERIA FOR EACH PROCEDURE, THE ACTUAL RESPONSE OR FINDINGS, AND ANY PERTINENT DISCUSSION SHALL BE FOLLOWED. THIS TESTING SHALL INCLUDE CONTROL SYSTEMS WHICH WILL BE TESTED TO DOCUMENT THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT, AND SYSTEMS ARE CALIBRATED AND ADJUSTED TO OPERATE IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. TESTING SHALL AFFIRM THE CONDITIONS REQUIRED WITHIN WSEC SECTIONS C408.2 THROUGH C408.7 UNDER SYSTEM TESTING.

FOR PROJECTS WITH SEVEN OR FEWER SIMILAR SYSTEMS, EACH SYSTEM SHALL BE TESTED. FOR PROJECTS WITH MORE THAN SEVEN SYSTEMS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF CONTROLS TYPE. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF CONTROL TYPES EXIST, NO FEWER THAN 20 PERCENT OF EACH COMBINATION SHALL BE TESTED UNLESS THE CODE OFFICIAL OR DESIGN PROFESSIONAL REQUIRES A HIGHER PERCENTAGE TO BE TESTED. WHERE 30 PERCENT OR MORE OF THE TESTED SYSTEM FAIL, ALL REMAINING IDENTICAL COMBINATIONS SHALL BE TESTED.

A COMMISSIONING REPORT SHALL BE COMPLETED AND CERTIFIED BY THE CERTIFIED COMMISSIONING PROFESSIONAL AND DELIVERED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT. THE REPORT SHALL BE ORGANIZED WITH MECHANICAL, SERVICE WATER HEATING, CONTROLLED RECEPTACLE AND LIGHTING CONTROL SYSTEMS, ENERGY METERING, AND REFRIGERATION FINDINGS IN SEPARATE SECTIONS TO ALLOW INDEPENDENT REVIEW. THE REPORT SHALL RECORD THE ACTIVITIES AND RESULTS OF THE COMMISSIONING PROCESS AND BE DEVELOPED FROM THE FINAL COMMISSIONING PLAN WITH ALL OF ITS ATTACHED APPENDICES. THE REPORT SHALL INCLUDE:

1) RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
2) DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.
3) FUNCTIONAL PERFOMANCE TEST PROCEDURES USED DURING THE COMMSIONING PROCESS INCLUDING MEASURABLE CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN REPEATABILITY.
4) COMMSIONING PLAN.
5) TESTING, ADJUSTING AND BALANCING REPORTS.

EXCEPTION: DEFERRED TESTS WHICH CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION DUE TO CLIMATE CONDITIONS.

PRIOR TO THE FINAL MECHANICAL AND PLUMBING INSPECTIONS OR OBTAINING A CERTIFICATE OF OCCUPANCY, THE CERTIFIED COMMISSIONING PROFESSIONAL SHALL PROVIDE EVIDENCE OF BUILDING COMMISSIONING IN ACCORDANCE WITH WSEC SECTION C408.1.4.1.

THE CODE OFFICIAL SHALL BE PERMITTED TO REQUIRE THAT A COPY OF THE COMMISSIONING REPORT BE MADE AVAILABLE FOR REVIEW BY THE CODE OFFICIAL.

MECHANICAL EQUIPMENT AND CONTROLS SUBJECT TO WSEC SECTION C403 SHALL BE INCLUDED IN THE COMMISSIONING PROCESS REQUIRED BY SECTION C408.1. THE COMMISSIONING PROCESS SHALL MINIMALLY INCLUDE ALL ENERGY CODE REQUIREMENTS FOR WHICH THE CODE STATES THAT EQUIPMENT OR CONTROLS SHALL "BE CAPABLE OF" OR "CONFIGURED TO" PERFORM SPECIFIC FUNCTIONS.

SERVICE WATER HEATING EQUIPMENT AND CONTROLS SUBJECT TO WSEC SECTION C404 SHALL BE INCLUDED IN THE COMMISSIONING PROCESS REQUIRED BY WSEC SECTION C408.1. THE COMMISSIONING PROCESS SHALL MINIMALLY INCLUDE EQUIPMENT AND COMPONENTS INSTALLED TO MEET ALL ENERGY CODE REQUIREMENTS FOR DEVICES TO "START," "AUTOMATICALLY TURN OFF," "AUTOMATICALLY ADJUST," "LIMIT OPERATION," AND "LIMIT THE TEMPERATURE" AND "BE CONFIGURED TO."

FUNCTIONAL PERFORMANCE TESTING SHALL DEMONSTRATE THAT HEATERS, PIPING, DISTRIBUTION SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS ARE INSTALLED AND OPERATE IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. TESTING SHALL INCLUDE THE SEQUENCE OF OPERATION, AND BE CONDUCTED UNDER AT LEAST 50 PERCENT WATER HEATING LOAD, PART-LOAD AND THE FOLLOWING CONDITIONS:

1) NORMAL OPERATION.
2) REDUNDANT OR AUTOMATIC BACK-UP MODE.
3) PERFOMANCE OF ALARMS.
4) MODE OF OPERATION UPON LOSS OF POWER AND RESTORATION OF POWER.

EQUIPMENT, COMPONENTS, CONTROLS OR CONFIGURATION SETTINGS FOR SYSTEMS WHICH ARE INCLUDED IN THE PROJECT TO COMPLY WITH WSEC SECTIONS C406 OR C407 SHALL BE INCLUDED IN THE COMMISSIONING PROCESS REQUIRED BY WSEC SECTION C408.1.

FUNCTIONAL PERFORMANCE TESTING FOR THESE APPLIANCES, EQUIPMENT, COMPONENTS, CONTROLS AND/OR CONFIGURATION SETTINGS SHALL DEMONSTRATE OPERATION, FUNCTION AND MAINTENANCE SERVICEABILITY FOR EACH OF THE COMMISSIONED SYSTEMS IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

ENERGY METERING SYSTEMS REQUIRED BY SECTION C409 SHALL COMPLY WITH WSEC SECTION C408.6 AND BE INCLUDED IN THE COMMISSIONING PROCESS REQUIRED BY SECTION C408.1. THE COMMISSIONING PROCESS SHALL INCLUDE ALL ENERGY METERING EQUIPMENT AND CONTROLS REQUIRED BY WSEC SECTION C409.

FUNCTIONAL PERFORMANCE TESTING SHALL DEMONSTRATE THAT ENERGY SOURCE METERS, END-USE METERS, DATA ACQUISITION SYSTEMS, AND ENERGY DISPLAYS ARE INSTALLED AND OPERATE IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. AT A MINIMUM, TESTING SHALL CONFIRM THAT:

1) THE METERING SYSTEM DEVICES AND COMPONENTS WORK PROPERLY UNDER LOW AND HIGH LOAD CONDITIONS.
2) THE METERED DATA IS DELIVERED IN A FORMAT THAT IS COMPATIBLE WITH THE DATA COLLECTION SYSTEM.
3) THE ENERGY DISPLAY IS IN A LOCATION WITH ACCESS TO BUILDING OPERATION AND MANAGEMENT PERSONNEL.
4) THE ENERGY DISPLAY MEETS CODE REQUIREMENTS REGARDING VIEWS REQUIRED IN SECTION C409.4.3. THE DISPLAY SHOWS ENERGY DATA IN IDENTICAL UNITS (E.G., KWH).

ALL INSTALLED REFRIGERATION SYSTEMS SUBJECT TO WSEC SECTION C410 SHALL BE INCLUDED IN THE COMMISSIONING PROCESS REQUIRED BY WSEC SECTION C408.1.

EXCEPTIONS: SELF-CONTAINED REFRIGERATION SYSTEMS ARE EXEMPT FROM THE COMMISSIONING PROCESS OR TOTAL INSTALLED CAPACITY FOR REFRIGERATION IS EQUAL TO OR LESS THAN 240 KBTU/H.

FUNCTIONAL PERFORMANCE TESTING SHALL DEMONSTRATE THAT COMPRESSORS, HEAT EXCHANGERS, PIPING, DISTRIBUTION SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS ARE INSTALLED AND OPERATE IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS. TESTING SHALL INCLUDE THE SEQUENCE OF OPERATION AND BE CONDUCTED UNDER FULL LOAD, PART LOAD AND THE FOLLOWING CONDITIONS:

1) NORMAL MODE.
2) REDUNDANT OR AUTOMATIC BACK-UP MODE.
3) PERFORMANCE OF ALARMS.
4) MODE OF OPERATION UPON LOSS OF POWER AND RESTORATION OF POWER.

PROJECT COMMISSIONING RESPONSIBILITY MATRIX - PLUMBING

	TAG	ITEM	VFD STARTUP BY	EQUIP. START UP BY	TAB BY	POINT TO POINT TESTING BY	FPT SCRIPTS PREPARED BY	FPT SCRIPTS REVIEWED BY	FPT PERFORMED BY	FPT SUPPORT BY	NOTES
PLUMBING	DB-XX	DOMESTIC BOILER		VENDOR	MC	CC	CX	MC/TAB/CC/EOR/OWNER	CX	TAB	1
	DWBP-XX	DOMESTIC WATER BOOSTER PUMP		VENDOR	MC	CC	CX	MC/TAB/CC/EOR/OWNER	CX	TAB	1
	HWC-XX	HOT WATER CIRC PUMP		MC	MC	CC	CX	MC/TAB/CC/EOR/OWNER	CX	TAB	1
	ESP-XX	ELEVATOR SUMP PUMP		MC	MC	CC	CX	MC/TAB/CC/EOR/OWNER	CX	TAB	1
	SE/SP-XX	SEWAGE EJECTOR OR SUMP PUMP		MC	MC	CC	CX	MC/TAB/CC/EOR/OWNER	CX	TAB	1
	MV-XX	MASTER MIXING VALVE (1017)		MC	MC	CC	CX	MC/TAB/CC/EOR/OWNER	CX	TAB	1
	EWH-XX/GWH-XX	ELEC/GAS WATER HEATER		MC	MC	CC	CX	MC/TAB/CC/EOR/OWNER	CX	TAB	1
	HWH-XX	HYBRID HP-ELEC WATER HEATER		MC	MC	CC	CX	MC/TAB/CC/EOR/OWNER	CX	TAB	1
	HPWH-XX	HEAT PUMP WATER HEATER		VENDOR	MC	CC	CX	MC/TAB/CC/EOR/OWNER	CX	TAB	1
	HT-XX	HEAT TRACE (IF BY MM)		ELEC		CC	CX	MC/TAB/CC/EOR/OWNER	CX		1

LEGEND:

CC - CONTROL CONTRACTOR
CX - THIRD PARTY COMMISSIONING AGENT
EC - ELECTRICAL CONTRACTOR
EE - ELECTRICAL ENGINEER
EOR - ENGINEER OF RECORD
FA - FIRE ALARM CONTRACTOR
FPT - FUNCTIONAL PERFORMANCE TESTING
LSE - LIFE SAFETY ENGINEER
MC - MECHANICAL CONTRACTOR
SI - SMOKE CONTROL SPECIAL INSPECTOR
TAB - TESTING ADJUSTING BALANCING
VENDOR - EQUIPMENT MANUFACTURER'S VENDOR

NOTES:
1. COMMISSIONING PLAN PREPARED BY THIRD PARTY COMMISSIONING AGENT
2.
3

CONTACT LIST

TITLE	NAME	COMPANY	PHONE #	EMAIL
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SENIOR PROJECT EXECUTIVE	JOE BRUCKER	MACDONALD MILLER	206-768-4140	JOE.BRUCKER@MACMILLER.COM

FIXTURE CONNECTION SCHEDULE

NO.	FIXTURE	LOCAL CONNECTION WASTE	LOCAL CONNECTION VENT	LOCAL CONNECTION HOT	LOCAL CONNECTION COLD
EC-2	EQUIPMENT WATER CONNECTION - GUY GRAY BIM875AB, SHUT-OFF VALVE IN STEEL BOX WITH HOT DIPPED GALVANIZED STEEL, UNPAINTED, W/ HAMMER ARRESTOR, APPLIANCE AND FINAL CONNECTION BY OTHERS.	-	-	-	1/2"
WF-1	WATER FILTER - AQUA-PURE 3MFF100 FILTER, W/ BUILT-IN VALVE IN-HEAD, TRIPLE ACTION FILTER CARTRIDGE, NSF 42 & 53 APPROVED, 2.5 GPM FLOW RATE.	-	-	-	1/2"

DRAIN CONNECTION SCHEDULE

NO.	DRAIN DESCRIPTION	LOCAL CONNECTION WASTE	LOCAL CONNECTION VENT	LOCAL CONNECTION STORM
FD-1	FLOOR DRAIN - WATTS FD-192-PR5-7, EPOXY COATED CAST IRON BODY WITH ANCHOR FLANGE, 5" ROUND ADJUSTABLE NICKEL BRONZE STRAINER AND REVERSIBLE CLAMPING COLLAR WITH WEEPHOLES. WITH TRAP PRIMER.	2"	2"	-
FD-2	FLOOR DRAIN - WATTS FD-323-7, EPOXY COATED CAST IRON BODY WITH ANCHOR FLANGE, BODY COLLAR WITH WEEPHOLES AND 8" DIA ADJUSTABLE TOP WITH DUCTILE IRON GRATE. WITH TRAP PRIMER.	3"	2"	-
FS-1	FLOOR SINK - WATTS FS-722-150, 8" ROUND x 6" DEEP, CAST IRON WITH A.R.E. INTERIOR & GRATE, 1/2 GRATE, AND ANTI-SPLASH POLYPROPYLENE BOTTOM DOME STRAINER. INSTALL FLOOD LEVEL RIM FLUSH WITH FIN FLR. WITHOUT TRAP PRIMER.	2"	2"	-
FS-2	FLOOR SINK - WATTS FS-763-150, 12" ROUND x 8" DEEP, CAST IRON WITH A.R.E. INTERIOR & GRATE, 1/2 GRATE AND ANTI-SPLASH POLYPROPYLENE BOTTOM DOME STRAINER, INSTALL FLOOD LEVEL RIM FLUSH WITH FIN FLR. WITHOUT TRAP PRIMER.	3"	2"	-
FS-3	FLOOR SINK - WATTS FS-764-150, 12" ROUND x 8" DEEP, CAST IRON WITH A.R.E. INTERIOR & GRATE, 1/2 GRATE AND ANTI-SPLASH POLYPROPYLENE BOTTOM DOME STRAINER. INSTALL FLOOD LEVEL RIM FLUSH WITH FIN FLR. WITHOUT TRAP PRIMER.	4"	2"	-

PLUMBING GENERAL NOTES - WASHINGTON

1. THIS PROJECT WAS DESIGNED UNDER THE FOLLOWING CODES:
   - 2021 UNIFORM PLUMBING CODE WITH WASHINGTON STATE AMENDMENTS (UPC)
   - 2021 WASHINGTON STATE FUEL GAS CODE (WSFGC)
   - 2021 WASHINGTON STATE ENERGY CODE (WSEC)
   - 2021 WASHINGTON STATE BUILDING CODE (WSBC)...

Plumbing General Notes section 2: **Pressure losses for in line devices have been included in the above pressure calculations.** How is the statement verified by caclulation? TP0.01

2. WATER SYSTEM IS DESIGNED PER THE FOLLOWING PARAMETERS AND REQUIREMENTS:
   -STATIC WATER PRESSURE TO FIXTURES SHALL NOT EXCEED 80 PSIG (608.2)
   -DESIGNED MAXIMUM DCW VELOCITIES SHALL NOT EXCEED 8 FPS & DHW SHALL NOT EXCEED 5 FPS (610.6 and 610.12)
   -PRESSURE LOSSES FOR IN-LINE DEVICES HAVE BEEN INCLUDED IN THE ABOVE PRESSURE CALCULATIONS (610.2)
   -WATER SIZING IS AS PER APPENDIX A (Table 103.1)
   -WATER CONNECTIONS TO MECHANICAL EQUIPMENT, STEAM PRODUCING EQUIPMENT, DISHWASHERS THAT INJECT DETERGENT INTO THE WATER LINE, CARBONATORS, OR ANY OTHER CONDITION WHERE A CROSS CONNECTION OF THE MAIN WATER SYSTEM MAY OCCUR, A REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY AND ASSOCIATED DRAIN PIPING MUST BE PROVIDED.
   -WATER DISINFECTION TEST SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 609.9 PRIOR TO FINAL APPROVAL OF PLUMBING PERMIT.
   -ALL ITEMS IN THE DOMESTIC WATER DISTRIBUTION SYSTEM MUST SHOW COMPLIANCE WITH NSF-61 LEAD FREE REQUIREMENTS. DOCUMENTATION MUST BE AVAILABLE ON SITE....
3. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET WHICH MAY BE REQUIRED. THE PLUMBING CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.
4. ALL PIPE SIZES NOTED ON DRAWINGS ARE MINIMUMS.
5. SLOPE ALL RAIN LEADER, STORM, AND WASTE PIPING AT 2% UNLESS OTHERWISE NOTED ON DRAWINGS. OBTAIN APPROVAL FROM CODE AUTHORITY BEFORE INSTALLING WASTE PIPING AT LESS THAN 2% (EVEN IF LESSER SLOPE IS INDICATED ON DRAWINGS).
6. HANGERS AND SUPPORTS FOR PIPING SHALL BE IN ACCORDANCE WITH SECTION 313 AND TABLES 313.3 AND 313.6 OF THE 2021 UNIFORM PLUMBING CODE WITH WASHINGTON STATE AMENDMENTS.
7. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOORS SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
8. FOR EXACT ROUGH-IN LOCATIONS AND ELEVATIONS OF PLUMBING FIXTURES REFER TO ARCHITECTURAL DRAWINGS.
9. PROVIDE STOPS OR ANGLE VALVES AT ALL FIXTURES
10. PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS.
11. PROVIDE DIELECTRIC CONNECTIONS BETWEEN DISSIMILAR METALS.
12. CLEANOUTS SHALL BE INSTALLED SO THEY ARE EASILY ACCESSIBLE.
13. PLUMBING EQUIPMENT, VALVES AND TRAP PRIMERS SHALL BE LOCATED IN EASILY ACCESSIBLE LOCATIONS. UNLESS SHOWN ON ARCHITECTURAL DRAWINGS, REQUIRED ACCESS PANELS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
14. FLOORS SHALL SLOPE TO FLOOR DRAINS WHERE DRAINAGE OCCURS ON A REGULAR BASIS. PLUMBER TO COORDINATE WITH GENERAL CONTRACTOR FOR EXACT ELEVATION OF DRAIN. (EXAMPLES TOILET ROOMS, KITCHENS AND LAUNDRY ROOMS)
15. THE PLUMBER SHALL PROVIDE AND LOCATE ALL REQUIRED FLOOR, WALL, AND FOOTING SLEEVES.
16. HEAT TRACING OF PIPING, WHERE INDICATED, SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR IS TO COORDINATE THE HEAT TRACE WIRING SUPPLY WITH THE ELECTRICAL CONTRACTOR.
17. TRENCHING, BACKFILLING, AND COMPACTING FOR UNDERGROUND PIPING SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR UNLESS STATED OTHERWISE IN CONTRACT DOCUMENTS.
18. PIPING BURIED IN THE SLAB TO HAVE A PROTECTIVE SLEEVE.
19. PROVIDE EARTHQUAKE RESTRAINT FOR PLUMBING PIPING AND EQUIPMENT IN ACCORDANCE WITH SECTION 1613 OF THE 2021 IBC AND ASCE 7.
20. VENTS FROM FLOOR MOUNTED FIXTURES SHALL RISE VERTICALLY TO AT LEAST 6" ABOVE THE FLOOD RIM OF THE FIXTURE, UNLESS STRUCTURAL CONDITIONS PROHIBIT A CONTINUOUS VENT. WHERE A "FLAT VENT" IS USED, IT SHALL BE INSTALLED WITH DRAINAGE FITTINGS AND SLOPE BACK TO THE FIXTURE AT STANDARD 2% SLOPE.

PIPING INSULATION SCHEDULE - WASHINGTON

PIPING TYPE	PIPE SIZE	INSULATION TYPE	INSULATION THICKNESS	CONDUCTIVITY RANGE
UNDERSIDE OF ROOF DRAIN BODIES	ALL	FIBERGLASS	1/2"	-
OVERHEAD RAIN LEADERS	ALL	FIBERGLASS	1/2"	-
VERTICAL RAIN LEADERS	NOT REQUIRED			
OVERFLOW RAIN LEADERS FIRST 10'	ALL	FIBERGLASS	1/2"	-
COLD WATER OVERHEAD AND EXPOSED TO SIGHT	ALL	FIBERGLASS	1/2"	0.21 - 0.27
COLD WATER WITHIN WALLS AND SHAFTS	NOT REQUIRED			
RECIRCULATED HOT WATER (105°F TO 140°F)	1/2" - 1-1/4"	FIBERGLASS	2"	0.21 - 0.28
	1-1/2" - 6"	FIBERGLASS	2-1/2"	0.21 - 0.28
UNCIRCULATED HOT WATER PIPING (105°F TO 140°F)	1/2" - 1-1/4"	FIBERGLASS	1"	0.21 - 0.28
	1-1/2" - 6"	FIBERGLASS	1-1/2"	0.21 - 0.28
RECIRCULATED HOT WATER (141°F TO 200°F)	1/2" - 1-1/4"	FIBERGLASS	2-1/2"	0.25 - 0.29
	1-1/2" - 6"	FIBERGLASS	3"	0.25 - 0.29
UNCIRCULATED HOT WATER PIPING (141°F TO 200°F)	1/2" - 1-1/4"	FIBERGLASS	1-1/2"	0.25 - 0.29
	1-1/2" - 6"	FIBERGLASS	2"	0.25 - 0.29
HOT WATER UNDERGROUND	1/2" - 2"	THERMA-CEL	1"	0.21 - 0.28
HORIZONTAL COIL CONDENSATE PIPING	ALL	ARMAFLEX	1/2"	

- ALL HOT WATER PIPING INSULATION SHALL MEET THE REQUIREMENTS OF THE WASHINGTON STATE ENERGY CODE, 2021 EDITION, TABLE C403.10.3.
- ALL PIPING INSULATION AND COVERINGS SHALL HAVE AN ASTM FLAME SPREAD RATING OF 25 OR LESS AND AN ASTM SMOKE DEVELOPED RATING OF 50 OR LESS.
- ELASTOMERIC INSULATIONS WHICH MEET THESE RATINGS MAY BE USED AS A SUBSTITUTE FOR FIBERGLASS.
- PROVIDE A VAPOR BARRIER COVERING ON ALL ROOF DRAIN, RAIN LEADER, AND COLD WATER PIPING INSULATION.
- INSULATE THE OVERFLOW DRAIN BODY AND PIPE 10 FEET DOWN STREAM FROM THE DRAIN.
- PROVIDE A COVERING FOR ALL INSULATION EXPOSED TO SIGHT WITHIN THE BUILDING.
- PROVIDE AN INCOMPRESSIBLE INSULATED PAD WITH A MINIMUM THERMAL RESISTANCE OF R-10 UNDER ALL ELECTRIC WATER HEATERS IN UNCONDITIONED SPACES OR ON CONCRETE FLOOR.

LEGAL DESCRIPTION

PARCEL NUMBER: 9810000015

LEGAL DESCRIPTION: Section 34 Township 20 Range 04 Quarter 23 WOODS 1ST CANNOT BE SOLD OR SUBD WITHOUT 001-4 & 001-6 LOT 1 OF BLA 2010-06-15-5001 DESC AS BEG AT A PT 30 FT E & 151.05 FT N OF INTER OF 15TH AV SE & 3RD ST SE TH N 322.08 FT TH N 305.27 FT TH E 692.45 FT TH S 78 DEG 58 MIN 52 SEC E 0.44 FT TH S 49.97 FT TH E 40.98 FT TH S 43.29 FT TH N 41.04 FT TH S 181.78 FT TH W 30 FT TH S 196.6 FT TO BEG CURVE CONCAVE TO NW HAVING A RAD OF 19.5 FT & C/A OF 59 DEG 50 MIN 20 SEC & BEING SUBTENDED BY A CHORD WHICH BEARS S 56 DEG 53 MIN 06 SEC W 19.45 FT TH SWLY & WLY ALG SD CURVE 20.37 FT TO PT OF REVERSE CURV TH WLY & SWLY & SLY 90.9 FT CONCAVE TO SE HAVING A RAD OF 60.5 FT & C/A OF 86 DEG 05 MIN 15 SEC TH S 3.26 FT TH SLY, SWLY & WLY 14.92 FT ALG CURVE CONCAVE TO NW HAVING A RAD OF 9.5 FT & C/A OF 89 DEG 59 MIN 59 SEC TH W 107.24 FT TO BEG OF CURVE CONCAVE TO NW HAVING A RAD OF 55.98 FT & C/A OF 81 DEG 57 MIN 04 SEC & BEING SUBTENDED BY CHORD WHICH BEARS S 49 DEG 34 MIN 17 SEC W 73.42 FT TH SLY, SWLY & WLY ALG SD CURVE 80.07 FT TH W 6.43 FT TH S 131.8 FT TH SLY & SELY 14.27 FT ALG SD CURVE CONCAVE TO E HAVING A RAD OF 25 FT & C/A OF 32 DEG 42 MIN 11 SEC TH N 88 DEG 06 MIN 01 SEC W 77.46 FT TO BEG OF CURVE CONCAVE TO N HAVING A RAD OF 40 FT & A C/A OF 43 DEG 31 MIN 52 SEC & BEING SUBTENDED BY CHORD WHICH BEARS S 70 DEG 08 MIN 03 SEC W 29.66 FT TH SWLY & WLY ALG SD CURVE 30.39 FT TH N 88 DEG 06 MIN 01 SEC W 238.87 FT TO BEG OF A CURVE CONCAVE TO NE HAVING A RAD OF 63 FT & A C/A OF 65 DEG 47 MIN 29 SEC & BEING SUBTENDED BY CHORD WHICH BEARS N 48 DEG 11 MIN 19 SEC W 68.43 FT TH WLY, NWLY & NLY ALG SD CURVE 72.34 FT TH N 12 DEG 28 MIN 32 SEC W 81.31 FT TO POB EXC THAT POR DETER TAXABLE & THAT POR DETER EXEMPT PER DOR REG # 09663-004 TOG/W VAC ORD 2958 EASE OF RECORD OUT OF 04-20-34-2-019, 981000-001-3, 055-0, 056-0, 059-0, 060-0, 061-0, 062-0 SEG 2011-0091 BB 10/11/10 BB DC00354165 5/2/2014 KG

PLUMBING SCOPE OF WORK

PROVIDE NEW DOMESTIC WATER PIPING TO NEW COMMERCIAL KITCHEN FIXTURES. DOMESTIC WATER WILL CONNECT TO EXISTING SERVICES. EXISTING DOMESTIC HOT WATER IS PROVIDED BY EXISTING STEAM HEAT EXCHANGERS. NEW KITCHEN FIXTURES WILL BE SERVED BY NEW SANITARY/GREASE WASTE AND VENT PIPING. SANITARY/GREASE WASTE AND VENT WILL CONNECT TO EXISTING UTILITIES. AN EXISTING GREASE INTERCEPTOR THAT IS AT END OF LIFE WILL BE REPLACED WITH A NEW 1500 GALLON HYDROMECHANICAL POLYETHYLENE GREASE INTERCEPTOR.

See related comments regarding the use of plastic in non-combustible construction. Reference IBC 603.1 Allowable materials. and related code sections.

DRAWING SHEET INDEX - PLUMBING - PHASE 1

NUMBER	TITLE
TP0.01	SCHEDULES - PLUMBING
TP0.02	SCHEDULES - PLUMBING
TP0.03	SCHEDULES - PLUMBING
DP2.01	LEVEL 01 DEMOLITION - OVERALL FLOOR PLAN - PLUMBING
DP2.01A	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA A - PLUMBING
DP2.01B	LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA B - PLUMBING
TP2.00	LEVEL 01 OVERALL UNDERGROUND PLAN - PLUMBING
TP2.00A	LEVEL 01 UNDERGROUND PLAN - PHASE 1 AREA A - PLUMBING
TP2.00B	LEVEL 01 UNDERGROUND PLAN - PHASE 1 AREA B - PLUMBING
TP2.01	LEVEL 01 OVERALL FLOOR PLAN - PLUMBING
TP2.01A	LEVEL 01 FLOOR PLAN - PHASE 1 AREA A - PLUMBING
TP2.01B	LEVEL 01 FLOOR PLAN - PHASE 1 AREA B - PLUMBING
TP4.01A	DOMESTIC WATER RISER
TP4.02A	WASTE-VENT-GREASE RISER
TP4.03A	NATURAL GAS RISER
TP5.01B	ENLARGED FLOOR PLAN - STEP 2 AREA B - PLUMBING
P6.01	PLUMBING DETAILS

Please provide fire rating overlay for partitions, smoke barriers etc on plumbing plans. Minimum on overall phase plan and sheets with dampers or other fire rating penetration.

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DAVID L. JACQUES
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

4/24/2025

PHASE 1 PERMIT SET 04/24/2025

MultiCare Good Samaritan Hospital Kitchen

401 15th Ave SE,
Puyallup,
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE

SCHEDULES - PLUMBING

SHEET NUMBER

TP0.01

4/24/2025 12:13:27 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/PLUM-MultiCare-Kitchen-R25.rvt

GREASE INTERCEPTOR SCHEDULE

SYMBOL	LOCATION & SERVICE	TYPE	MFR & MODEL NO.	IN/OUT SIZE	VENT SIZE	FLOW RATE	GREASE CAP (LBS)	WATER CAPACITY	OPER WEIGHT (LBS)	SIZE LxWxH	NOTES
GI-1	MECHANICAL ROOM	HYDRO-MECHANICAL	SCHIER GB-500-B	4"	4"	100 GPM	10,061	500 GAL	4,706	95"x46"x39"	1, 2, 3, 4
GI-2	MECHANICAL ROOM	HYDRO-MECHANICAL	SCHIER GB-500-B	4"	4"	100 GPM	10061	500 GAL	4,706	95"x46"x39"	1, 2, 3, 4

NOTES:
1. POLYETHYLENE BODY, POLYPROPYLENE COVER.
2. PUMP OUT PORT/KIT REQUIRED.
3. INDOOR INSTALLATION ONLY.
4.INTERCEPTOR TO BE CERTIFIED TO ASME A112.14.3 (TYPE D) AND CSA B481.1 AS WELL AS CERTIFIED TO IAPMO/ANSI Z1001-2021.

FOOD SERVICE EQUIPMENT PLUMBING SCHEDULE - PHASE A

NO.	DESCRIPTION	DRAINAGE						COLD WATER					HOT WATER					NATURAL GAS			REMARKS
		SANITARY WASTE (DIRECT)	SANITARY WASTE (INDIRECT)	GREASE WASTE (DIRECT)	GREASE WASTE (INDIRECT)	DRAIN DISCHARGE (GPM)	VENT SIZE	PIPE SIZE	FILTERED WATER PIPE SIZE	GPM	TEMP (°F)	PRESSURE (PSIG)	PIPE SIZE	GPM	GPH	TEMP (°F)	PRESSURE (PSIG)	PIPE SIZE	MBH INPUT	PRESSURE (INCH WC)	
A31	S/S STANDARD FLOOR TROUGH W/ GRATE	4"					2"														
A32	HAND SINK	2"					2"	1/2"					1/2"								PROVIDE W/ "MV-1" ASSE1070 THERMOSTATIC MIXING VALVE.
A34	PREPARATION TABLES W/ SINKS		2"				2"														
A34.1	SPLASH MOUNT FAUCET							1/2"					1/2"								
A36	PREPARATION TABLES W/ SINKS		2"				2"														
A36.1	SPLASH MOUNT FAUCET							1/2"					1/2"								
A40	REVERSE OSMOSIS SYSTEM							1/2"													PROVIDE WITH 3/4" BFP-02" & WATER HAMMER ARRESTER. I...
A42	PREPARATION TABLE W/ SINK		2"				2"														
A42.1	SPLASH MOUNT FAUCET							1/2"					1/2"								
A45	PREPARATION TABLE W/ SINKS		2"				2"														
A45.1	SPLASH MOUNT FAUCET							1/2"					1/2"								
A47	PREPARATION TABLE W/ SINK		2"				2"														
A47.1	SPLASH MOUNT FAUCET							1/2"					1/2"								
A51	EYEWASH STATION	1-1/2"					1-1/2"	1/2"					1/2"								

NOTES:
1. THE ABOVE SCHEDULE CONTAINS OWNER FURNISHED FOOD SERVICE EQUIPMENT & FIXTURES THAT REQUIRE PLUMBING UTILITIES. REFER TO THE FOOD SERVICE / KITCHEN CONSULTANT'S DOCUMENTS FOR ROUGH-IN REQUIREMENTS & EXACT LOCATIONS OF ALL FOOD SERVICE FIXTURES & EQUIPMENT.
2. WHERE INDIRECT DRAINS ARE REQUIRED, CONTRACTOR MUST ROUTE INDIRECT DRAIN PIPING FROM FIXTURES & EQUIPMENT TO ADJACENT FLOOR RECEPTOR(S) AS REQUIRED. INDIRECT DRAIN DISCHARGE OVER FLOOR RECEPTOR(S) MUST CONTAIN APPROVED AIR BREAK(S). CONTRACTOR MUST PROVIDE A MINIMUM OF 1" THICK INSULATION (WITH APPROVED SANITARY BARRIER WRAP) FOR CONDENSATE AND / OR REFRIGERATED WASTE PIPING DISCHARGING INTO INDIRECT RECEPTORS TO PREVENT SWEATING (I.E. ALL PIPING WITH A TEMPERATURE LOWER THAN 60°F). REFER TO FOOD SERVICE / KITCHEN CONSULTANT'S DOCUMENTS FOR ADDITIONAL...
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4. PROVIDE EMERGENCY DRAIN PAN ASSEMBLY DIRECTLY UNDERNEATH ALL DRAINAGE PIPING LOCATED ABOVE FOOD SERVICE AREAS. PROVIDE MINIMUM 1" COPPER DRAIN PIPE CONNECTION AT DRAIN PAN LOW POINTS, & ROUTE TO NEAREST FLOOR RECEPTOR WITH APPROVED AIR GAP & EMERGENCY SIGNAGE.
5. PROVIDE DEDICATED ISOLATION VALVE & UNIONS AT UTILITY CONNECTIONS FOR EACH APPLIANCE & EQUIPMENT ITEM IN ADDITION TO SPECIALTIES & DEVICES LISTED ABOVE.
6. PROVIDE WATER HAMMER ARRESTER AT ALL WATER SUPPLY CONNECTIONS TO EQUIPMENT.

FOOD SERVICE EQUIPMENT PLUMBING SCHEDULE - PHASE B

NO.	DESCRIPTION	DRAINAGE						COLD WATER					HOT WATER					NATURAL GAS			REMARKS
		SANITARY WASTE (DIRECT)	SANITARY WASTE (INDIRECT)	GREASE WASTE (DIRECT)	GREASE WASTE (INDIRECT)	DRAIN DISCHARGE (GPM)	VENT SIZE	PIPE SIZE	FILTERED WATER PIPE SIZE	GPM	TEMP (°F)	PRESSURE (PSIG)	PIPE SIZE	GPM	GPH	TEMP (°F)	PRESSURE (PSIG)	PIPE SIZE	MBH INPUT	PRESSURE (INCH WC)	
B13	DOUBLE COMBI OVEN				1-1/2"			3/4"	3/4"	CW: 0.26 F: 2.64		30-90						3/4"	98	5.5-14	PROVIDE WITH 3/4" DCVA "BFP-03", PRV-1 & WATER HAMMER ARRESTER AT WATER SUPPLY INLET. CONNECT FILTERED WATER FROM A40. IW PIPE TO RECEPTOR WITH APPROVED AIR GAP.
B15	DOUBLE STEAMER				3"			(2) 3/4"		1.5		30-60						1/2"	58	5-14	PROVIDE WITH 3/4" DCVA "BFP-03", PRV-1 & WATER HAMMER ARRESTER AT WATER SUPPLY INLET. CONNECT FILTERED WATER FROM A40. IW PIPE TO RECEPTOR WITH APPROVED AIR GAP. PROVIDE 1/2"CW FOR DRAIN TEMPERING KIT.
B16	TRUNNION KETTLE				1-14"								3/8"					1/2"	200	5-14	PROVIDE WITH 3/4" DCVA "BFP-03", PRV-1 & WATER HAMMER ARRESTER AT WATER SUPPLY INLET. CONNECT FILTERED WATER FROM A40. IW PIPE TO RECEPTOR WITH APPROVED AIR GAP. PROVIDE 1/2"CW FOR DRAIN TEMPERING KIT.
B17	40 GAL TILTING KETTLE							1/2"					1/2"					1/2"	100	4.5-14	
B18	SS ANTI SPILL FLOOR TROUGH W/ GRATE				4"		2"														
B19	HAND SINK	2"					2"	1/2"					1/2"								PROVIDE W/ "MV-1" ASSE1070 THERMOSTATIC MIXING VALVE.
B21	40 GAL TILTING BRAISING PAN							1/2"					1/2"					1/2"	144	4.5-14	
B27	COUNTER TOP GRIDDLE																	1/2"	80	8-14	
B28	PREPARATION TABLE W/ SINK		2"				2"														
B28.1	SPLASH MOUNT FAUCET							1/2"					1/2"								
B31	COUNTER TOP CHAR BROILER																	1/2"	114	8-14	
B32	6 BURNER RANGE W/ CONVECTION OVEN																	1/2"	22	8-14	
B33	POT FILLER							1/2"													
B35	DOUBLE CONVECTION OVEN																	(2) 1/2"	63	8-14	
B42	BAKER'S TABLE W /SINK		2"				2"														
B42.1	SPLASH MOUNT FAUCET							1/2"					1/2"								
B60	POT WASH MACHINE W/ BOOSTER HEATER		2"					1/2"					3/4"								PROVIDE WITH 3/4"HW BFP-02" & WATER HAMMER ARRESTER. IW PIPE TO RECEPTOR WITH APPROVED AIR GAP. UNIT IS PROVIDED WITH DRAIN TEMPERING KIT. PROVIDE 1/2"CW AND 1/2"CW BFP-01" FOR DRAIN TEMPERING KIT.
B62	ULTRA WASH 3 COMPARTME...			2"	1-1/2"			(1) 1/2...					(1) 1/2"...								
B64	EYE WASH STATION							1/2"					1/2"								PROVIDE 3/4" TEMPERED WATER TO EYEWASH
B65	HAND SINK W/ SIDE SPLASHES	2"						1/2"					1/2"								PROVIDE W/ "MV-1" ASSE1070 THERMOSTATIC MIXING VALVE.
B67	MOP SINK/CAN WASH			2"				(2) 1/2"					1/2"								
B73	STANDARD S/S FLOOR TROUGH W/ GRATE				4"		2"														
B74	WALL MOUNTED HOSE REEL W/ MIXING CABINET							1/2"					1/2"								PROVIDE WITH ELEVATED VACUUM BREAKER.
B77	SOILED DISH TABLE W/ TROUGH / CONVEYOR																				
B78	TROUGH COLLECTOR		2"					1/2"					1/2"								
B83	HIGH TEMP. DISH MACHNE		2"					1"					1"								PROVIDE WITH (2) 3/4" BFP-02" & WATER HAMMER ARRESTER. IW PIPE TO RECEPTOR WITH APPROVED AIR GAP. UNIT IS PROVIDED WITH DRAIN TEMPERING KIT. PROVIDE 1"CW & 3/4"CW BFP-02" FOR DRAIN TEMPERING KIT.
B85	WATER SOFTENER		(2) 1/2"					3/4"			35-160	15-125									FEED WATER REQUIREMENTS: pH Range - 5 -- 10 SU Free Chlorine Cl2 (Max.) - 2.0 mg/l Hardness as CaCo3 (Max.) -40 gpg
B92	DOUBLE CONVECTION OVEN (EXISTING)																	3/4"	50	8-14	

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5. PROVIDE DEDICATED ISOLATION VALVE & UNIONS AT UTILITY CONNECTIONS FOR EACH APPLIANCE & EQUIPMENT ITEM IN ADDITION TO SPECIALTIES & DEVICES LISTED ABOVE.
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4/24/2025

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

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SCHEDULES - PLUMBING

SHEET NUMBER

TP0.02

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FOOD SERVICE EQUIPMENT PLUMBING SCHEDULE - PHASE C

NO.	DESCRIPTION	DRAINAGE						COLD WATER					HOT WATER					NATURAL GAS			REMARKS
		SANITARY WASTE (DIRECT)	SANITARY WASTE (INDIRECT)	GREASE WASTE (DIRECT)	GREASE WASTE (INDIRECT)	DRAIN DISCHARGE (GPM)	VENT SIZE	PIPE SIZE	FILTERED WATER PIPE SIZE	GPM	TEMP (°F)	PRESSURE (PSIG)	PIPE SIZE	GPM	GPH	TEMP (°F)	PRESSURE (PSIG)	PIPE SIZE	MBH INPUT	PRESSURE (INCH WC)	
C3	HAND SINK W/ SIDE SPLASHES	2"						1/2"					1/2"								PROVIDE W/ "MV-1" ASSE1070 THERMOSTATIC MIXING VALVE.
C4	ROOM SERVICE EXHAUST HOOD																				
C11	PASTA COOKER							3/4"													
C13	COUNTER TOP GRIDDLE																	3/4"	120	6	
C15	COUNTER TOP CHAR BROILER																	1/2"	76	8-14	
C16	COUNTER TOP 6 BURNER RANGE																	1/2"	180	8-14	
C17	POT FILLER							1/2"													
C44	ICE WATER DISPENSER		3/4"						1/4"												
C45	ICED TEA BREWER W/ URNS								1/4"												
C46	COFFEE BREWER W/ URNS								1/4"												
C47	WATER FILTERS							3/8"													
C51	HAND SINK W/ PEDESTAL BASE	2"						1/2"					1/2"								PROVIDE W/ "MV-1" ASSE1070 THERMOSTATIC MIXING VALVE.

NOTES:
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4. PROVIDE EMERGENCY DRAIN PAN ASSEMBLY DIRECTLY UNDERNEATH ALL DRAINAGE PIPING LOCATED ABOVE FOOD SERVICE AREAS. PROVIDE MINIMUM 1" COPPER DRAIN PIPE CONNECTION AT DRAIN PAN LOW POINTS, & ROUTE TO NEAREST FLOOR RECEPTOR WITH APPROVED AIR GAP & EMERGENCY SIGNAGE.
5. PROVIDE DEDICATED ISOLATION VALVE & UNIONS AT UTILITY CONNECTIONS FOR EACH APPLIANCE & EQUIPMENT ITEM IN ADDITION TO SPECIALTIES & DEVICES LISTED ABOVE.
6. PROVIDE WATER HAMMER ARRESTER AT ALL WATER SUPPLY CONNECTIONS TO EQUIPMENT.

FOOD SERVICE EQUIPMENT PLUMBING SCHEDULE - PHASE D

NO.	DESCRIPTION	DRAINAGE						COLD WATER					HOT WATER					NATURAL GAS			REMARKS
		SANITARY WASTE (DIRECT)	SANITARY WASTE (INDIRECT)	GREASE WASTE (DIRECT)	GREASE WASTE (INDIRECT)	DRAIN DISCHARGE (GPM)	VENT SIZE	PIPE SIZE	FILTERED WATER PIPE SIZE	GPM	TEMP (°F)	PRESSURE (PSIG)	PIPE SIZE	GPM	GPH	TEMP (°F)	PRESSURE (PSIG)	PIPE SIZE	MBH INPUT	PRESSURE (INCH WC)	
D1	HAND SINK W/ SIDE SPLASHES	2"						1/2"					1/2"								PROVIDE W/ "MV-1" ASSE1070 THERMOSTATIC MIXING VALVE.
D11	PASTA COOKER							3/4"													
D23	COUNTER TOP 6 BURNER RANGE																	3/4"	180	6	
D25	COUNTER TOP GRIDDLE																	1/2"	120	8-14	
D27	COUNTER TOP CHAR BROILER																	1/2"	76	8-14	
D17	POT FILLER							1/2"													
D44	ICE WATER DISPENSER	3/4"						1/2"													
D45	WATER FILTER								1/4"												CONNECT FILTERED WATER TO D46.
D46	COFFEE BREWER W/ URNS								1/4"												
D51	HAND SINK W/ PEDESTAL BASE	2"						1/2"					1/2"								PROVIDE W/ "MV-1" ASSE1070 THERMOSTATIC MIXING VALVE.
D61	S/S STANDARD FLOOR TROUGH W/ GRATE			4"			2"														
D63	CUBE ICE MAKER	3/4"							1/2"												PROVIDE WITH 1/2" RPBA "BFP-01" & WATER HAMMER ARRESTER. IW PIPE TO RECEPTOR WITH APPROVED AIR GAP.
D64	WATER FILTER							1/2"													CONNECT FILTERED WATER TO D74.
D71	WATER FILTER							1/2"													CONNECT FILTERED WATER TO D68.

Coffee Brewer - Please identify location and specification for Cross Control Protection if connected to water supply. Typical. See also FS01-B.1.1 TP0.03

NOTES:
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STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER

4/24/2025

PHASE 1 PERMIT SET 04/24/2025

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MultiCare Good Samaritan Hospital

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE

SCHEDULES - PLUMBING

SHEET NUMBER

TP0.03

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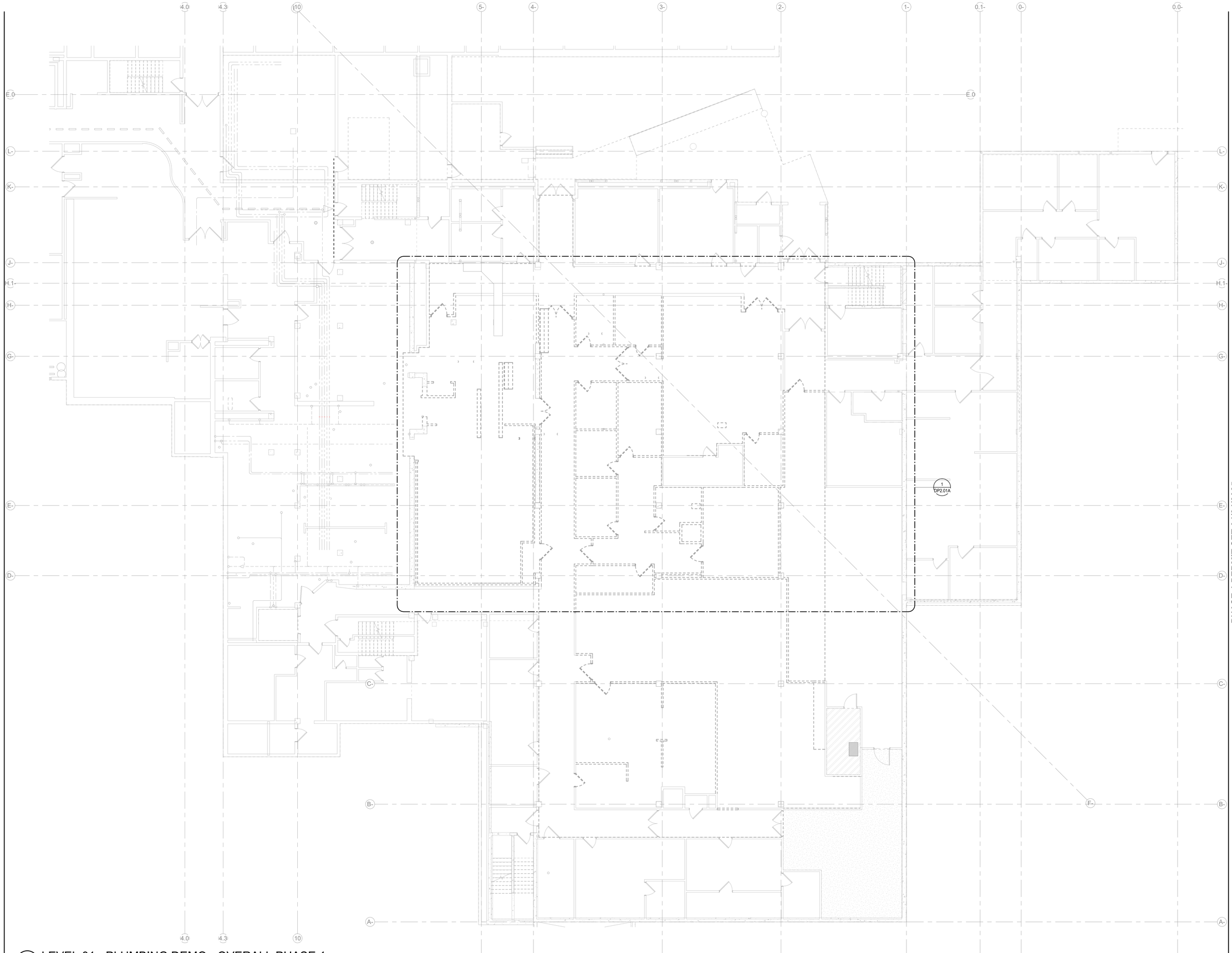

1 LEVEL 01 - PLUMBING DEMO - OVERALL PHASE 1

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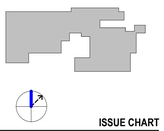
KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE

LEVEL 01 DEMOLITION - OVERALL FLOOR PLAN - PLUMBING

SHEET NUMBER

DP2.01

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1 LEVEL 01 - PLUMBING DEMO - AREA A

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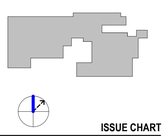

ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE

LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA A - PLUMBING

SHEET NUMBER

DP2.01A

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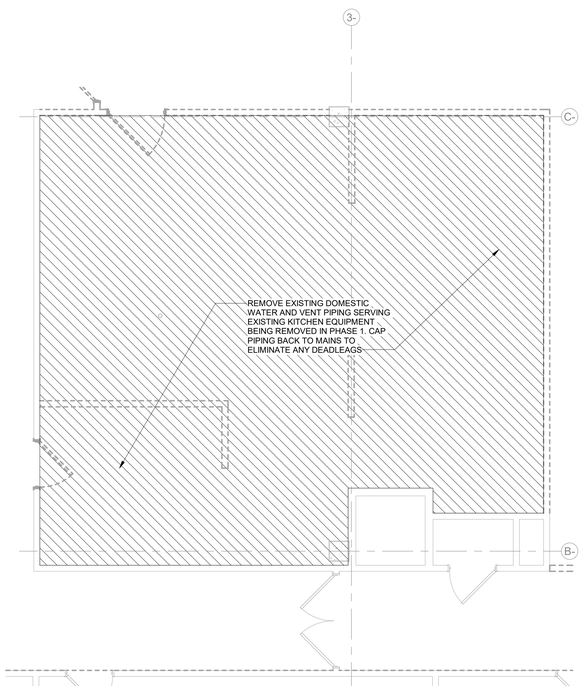
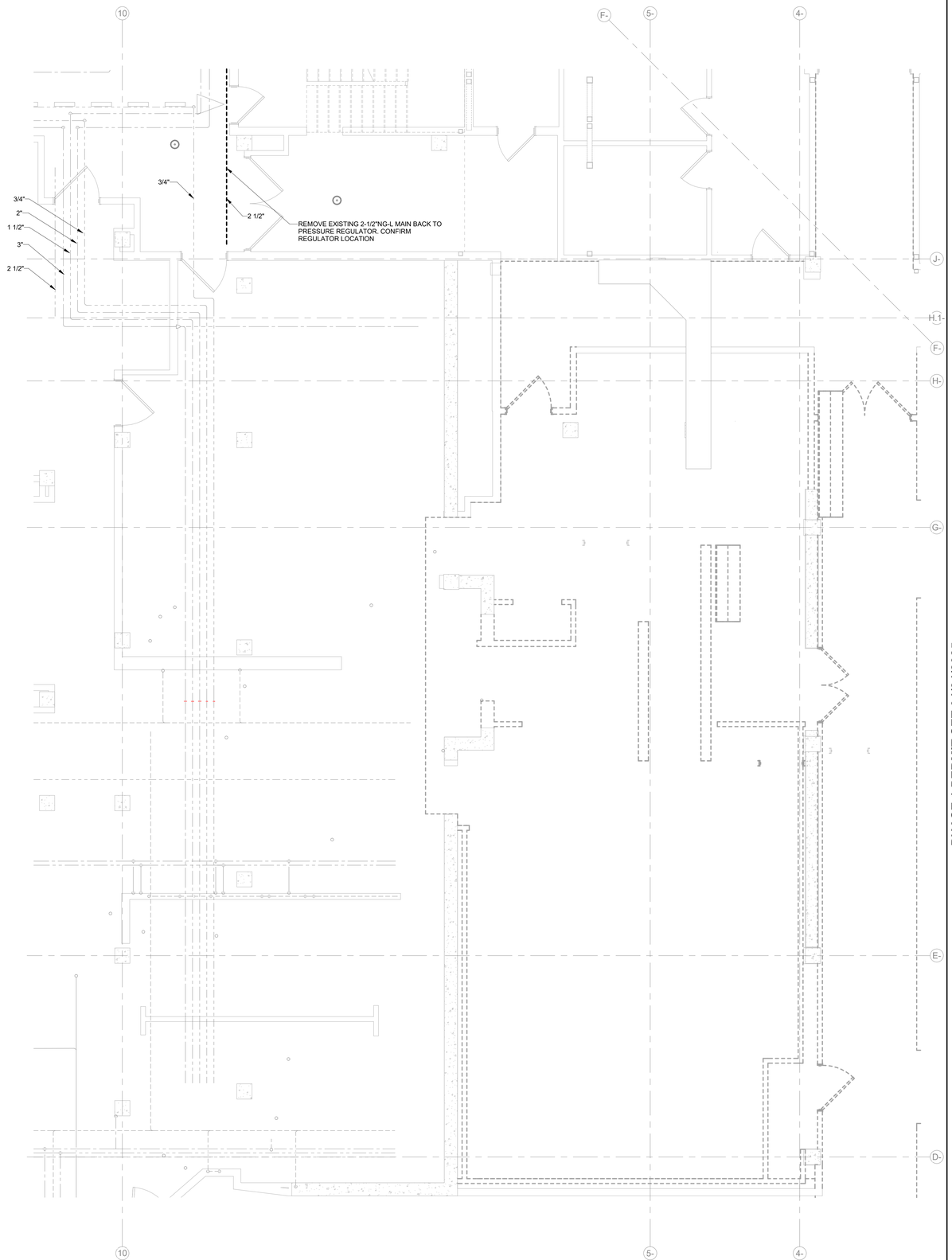


1 LEVEL 01 - PLUMBING DEMO - AREA B SOUTH
SCALE: 1/4" = 1'-0"



2 LEVEL 01 - PLUMBING DEMO - AREA B WEST - STEP 1
SCALE: 1/4" = 1'-0"

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PROFESSIONAL ENGINEER

4/24/2025

PHASE 1 PERMIT SET 04/24/2025

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Hospital Kitchen
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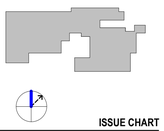
Puyallup,
WA 98372

MultiCare
Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

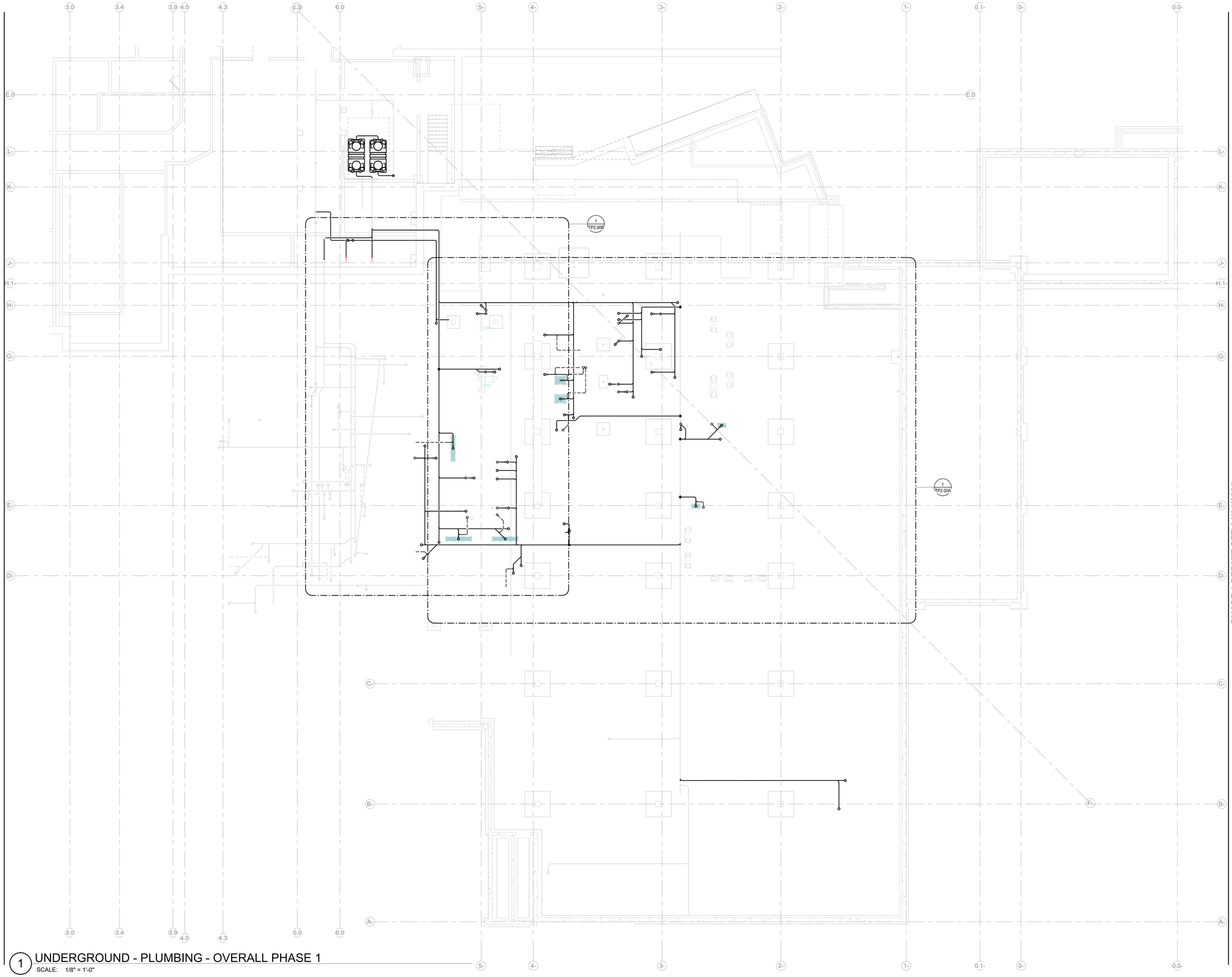
TITLE

LEVEL 01 DEMOLITION FLOOR PLAN - PHASE 1 AREA B - PLUMBING

SHEET NUMBER

DP2.01B

4/24/2025 12:13:51 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/PLUM-MultiCare-Kitchen-R25.rvt



1 UNDERGROUND - PLUMBING - OVERALL PHASE 1
SCALE: 1/8" = 1'-0"

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		7725-4055

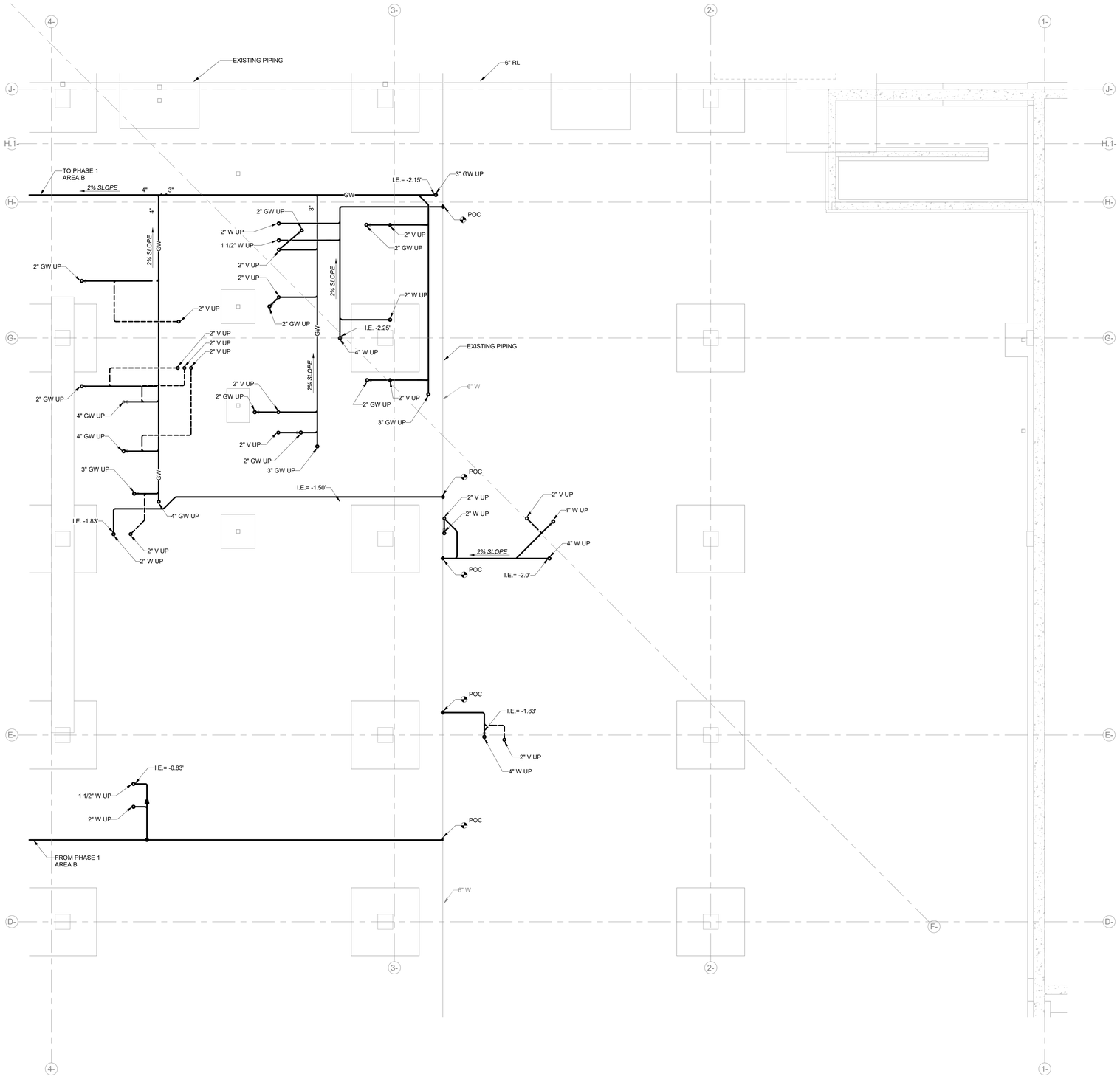
TITLE

LEVEL 01 OVERALL UNDERGROUND PLAN - PLUMBING

SHEET NUMBER

TP2.00

4/24/2025 12:14:07 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/PLUM-MultiCare-Kitchen-R25.rvt



1 UNDERGROUND - PLUMBING - AREA A

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

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MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE
LEVEL 01
UNDERGROUND PLAN - PHASE 1 AREA A - PLUMBING

SHEET NUMBER
TP2.00A

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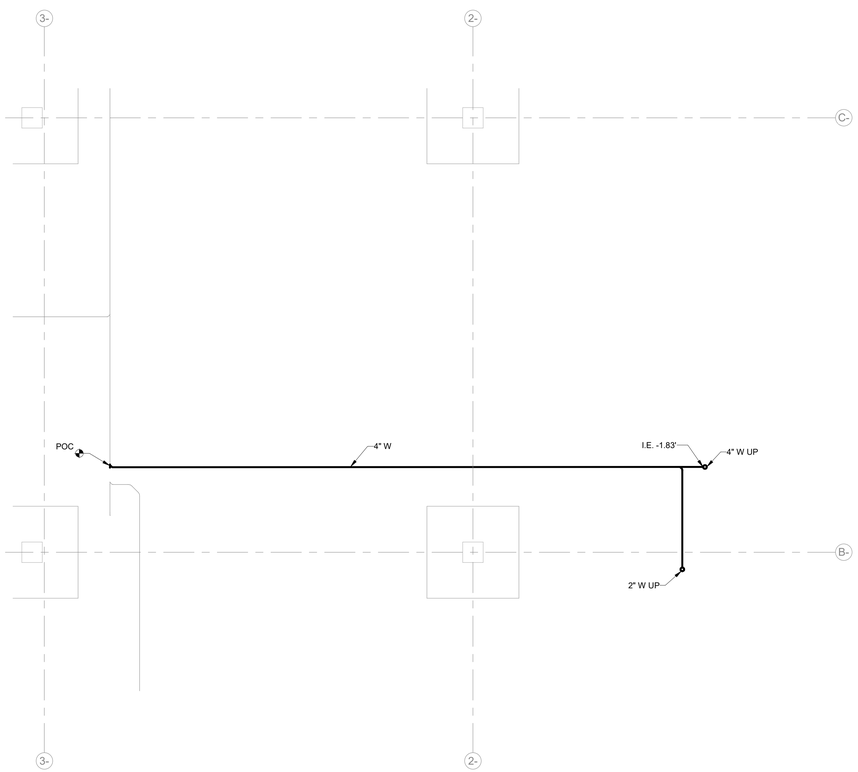
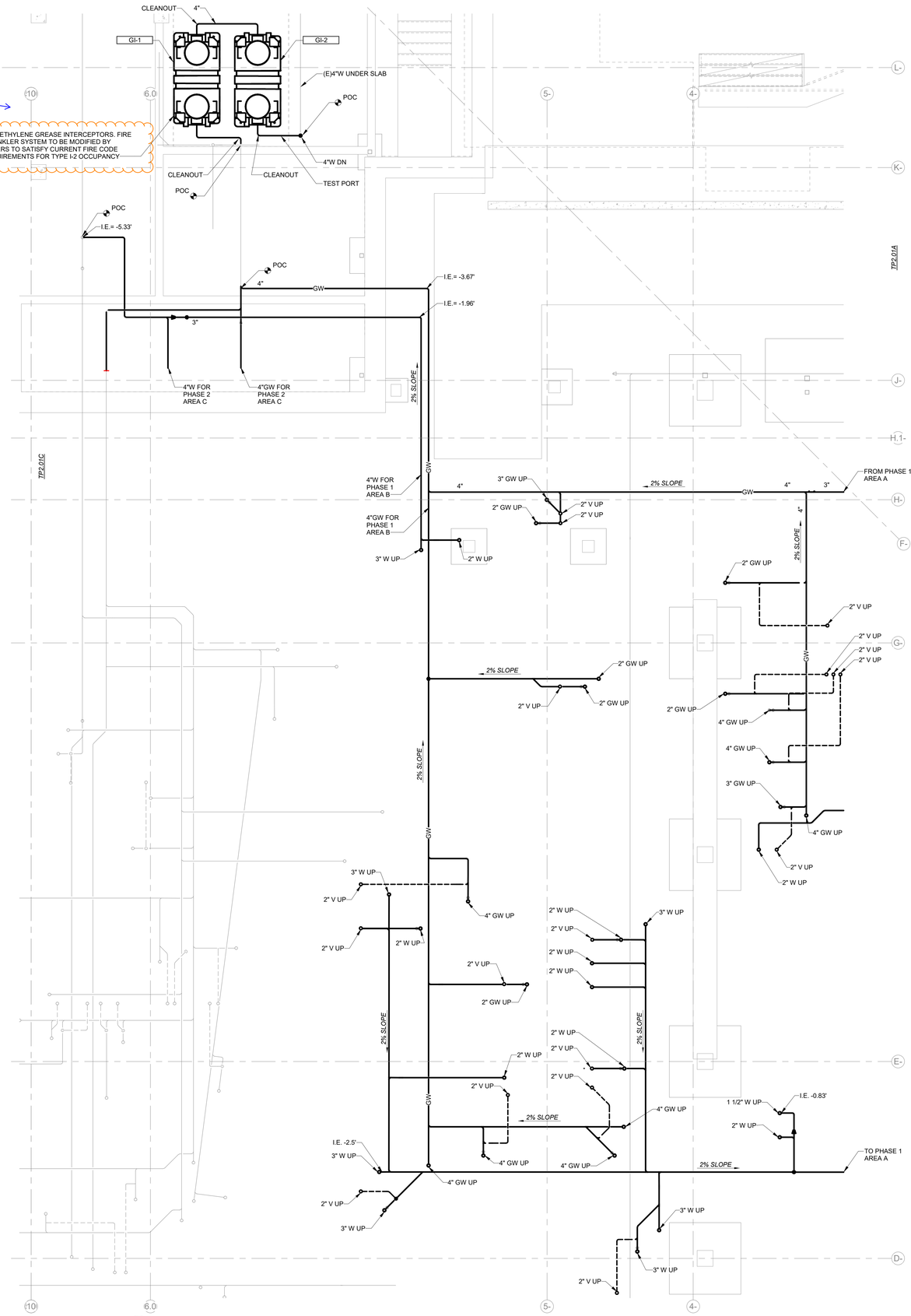
If building department requirements cannot be met, an external grease trap or alternative method may be required.

Provide Building and Fire code path for this installation; the applicant may apply for an alternate methods and material review. Submittal must include a report from an FPE addressing all applicable code issues: Building, Mechanical, Fire, Plumbing. TP2.00B

Applicant must coordinate this with DOH Construction review.



1 UNDERGROUND - PLUMBING - AREA B SOUTH
SCALE: 1/4" = 1'-0"



2 UNDERGROUND - PLUMBING - AREA B WEST - STEP 1
SCALE: 1/4" = 1'-0"

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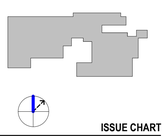

ISSUE CHART

MARK	ISSUE	DATE
Job Number	7725-4055	

TITLE
LEVEL 01 UNDERGROUND PLAN - PHASE 1 AREA B - PLUMBING

SHEET NUMBER
TP2.00B

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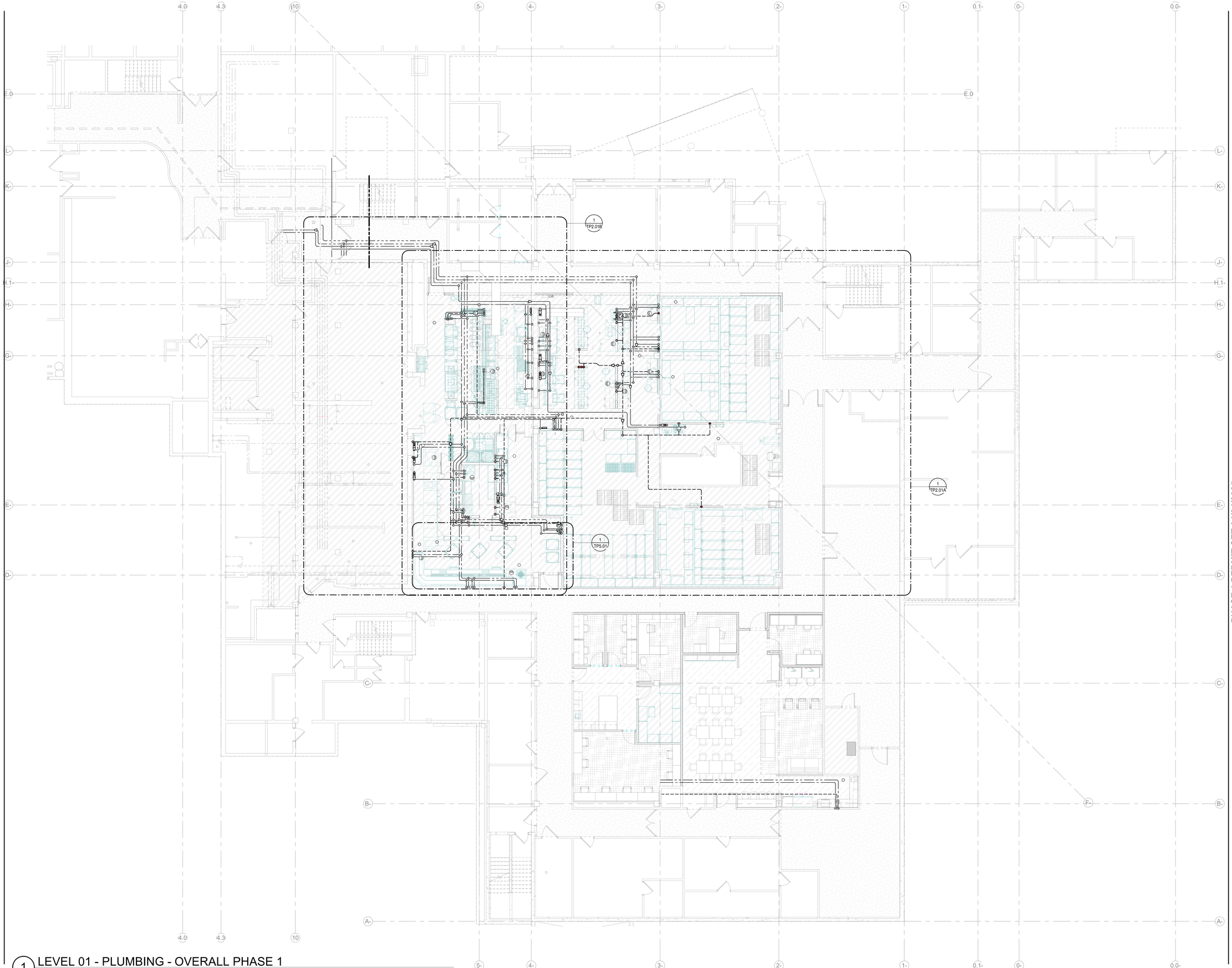

1 LEVEL 01 - PLUMBING - OVERALL PHASE 1
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PHASE 1 PERMIT SET 04/24/2025

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		7725-4055

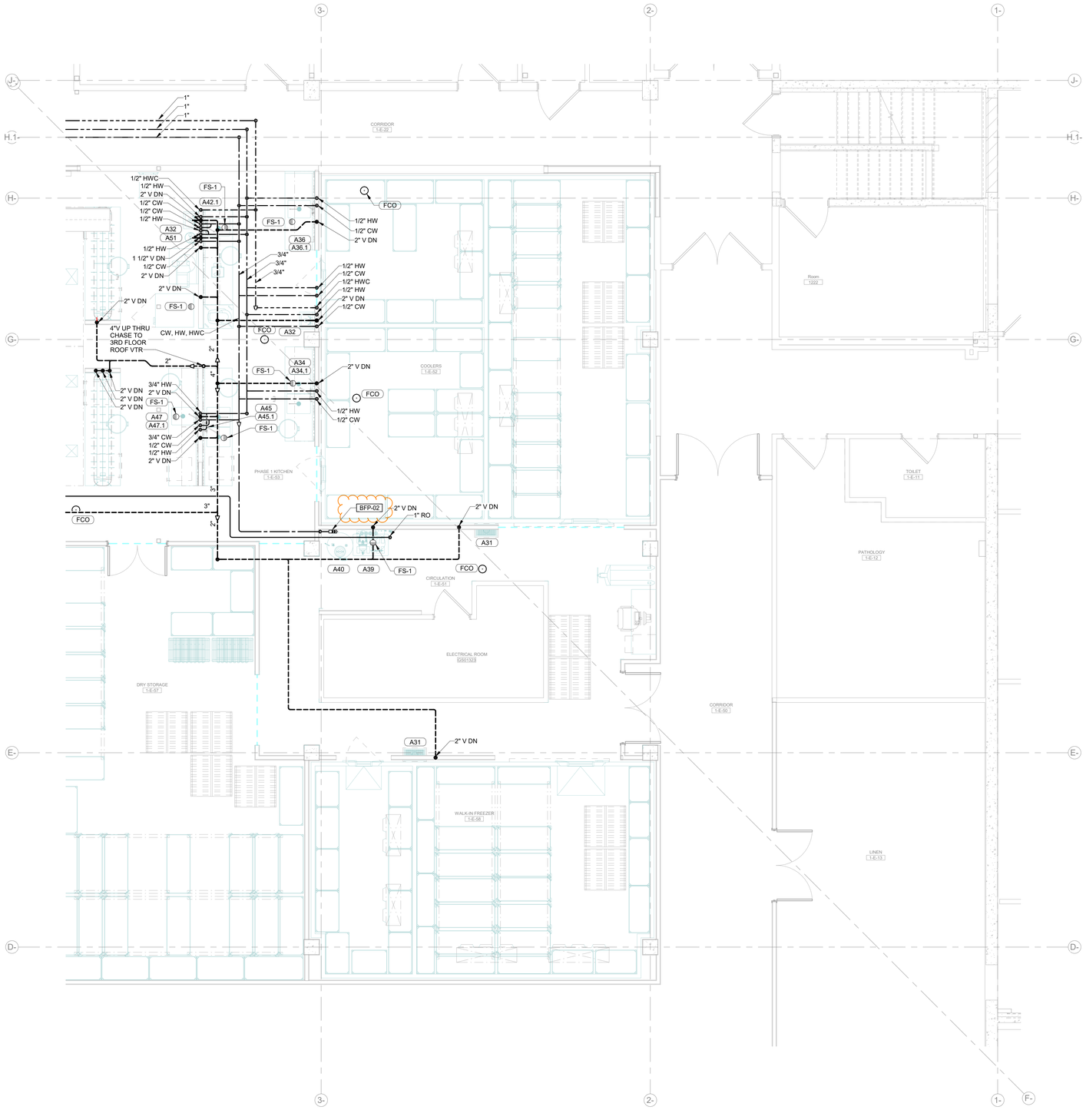
TITLE

LEVEL 01 OVERALL FLOOR PLAN - PLUMBING

SHEET NUMBER

TP2.01

4/24/2025 12:14:53 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/PLUM-MultiCare-Kitchen-R25.rvt



1 LEVEL 01 - PLUMBING - AREA A

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

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MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number	7725-4055	

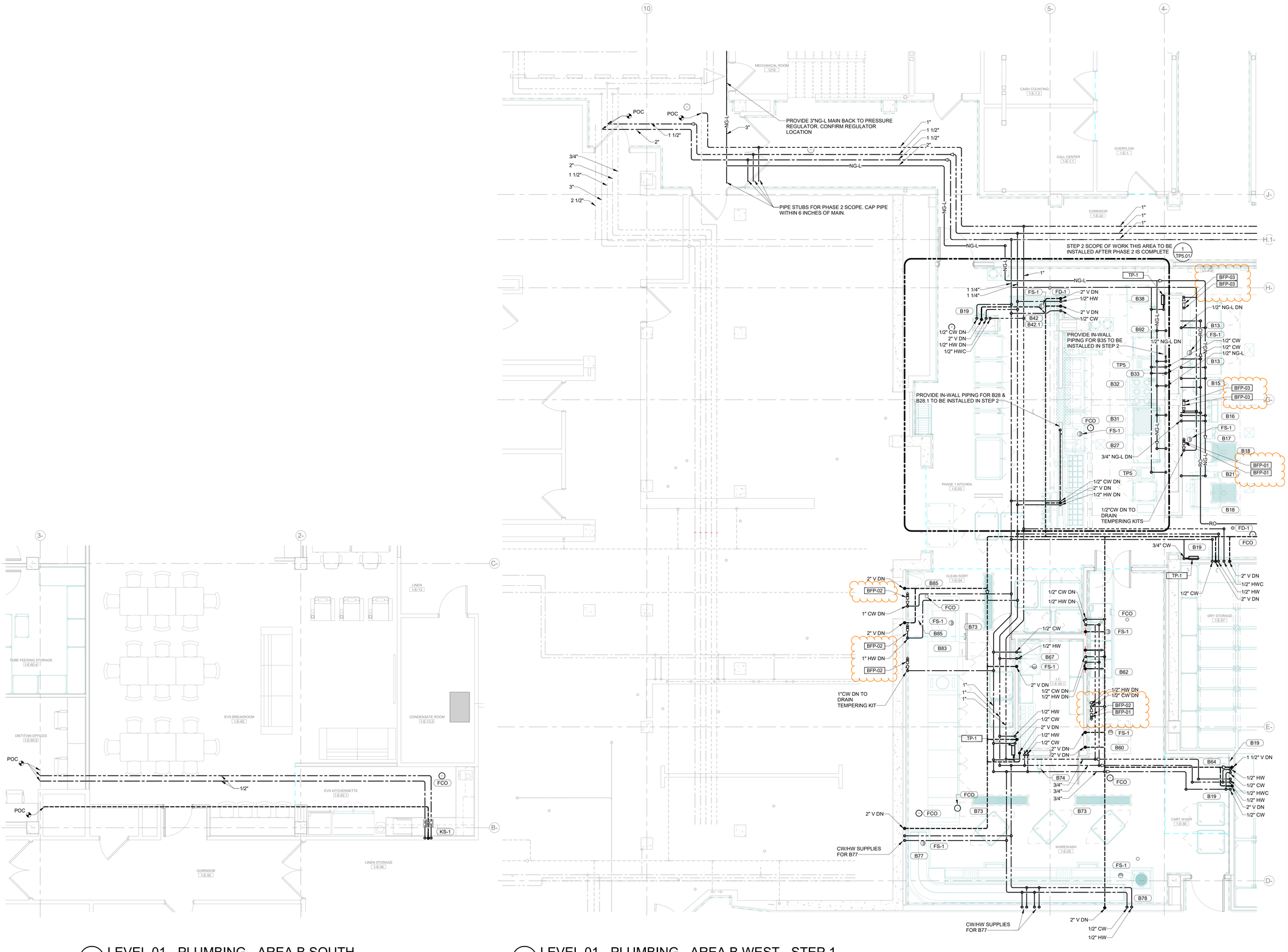
TITLE

LEVEL 01 FLOOR PLAN - PHASE 1 AREA A - PLUMBING

SHEET NUMBER

TP2.01A

4/24/2025 12:15:06 PM Autodesk Docs://MultiCare - Good Samaritan Hospital Kitchen Expansion/PLUM-MultiCare-Kitchen-R25.rvt



2 LEVEL 01 - PLUMBING - AREA B SOUTH

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

1 LEVEL 01 - PLUMBING - AREA B WEST - STEP 1

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

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MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE
Job Number		7725-4055

TITLE

LEVEL 01 FLOOR PLAN - PHASE 1 AREA B - PLUMBING

SHEET NUMBER

TP2.01B

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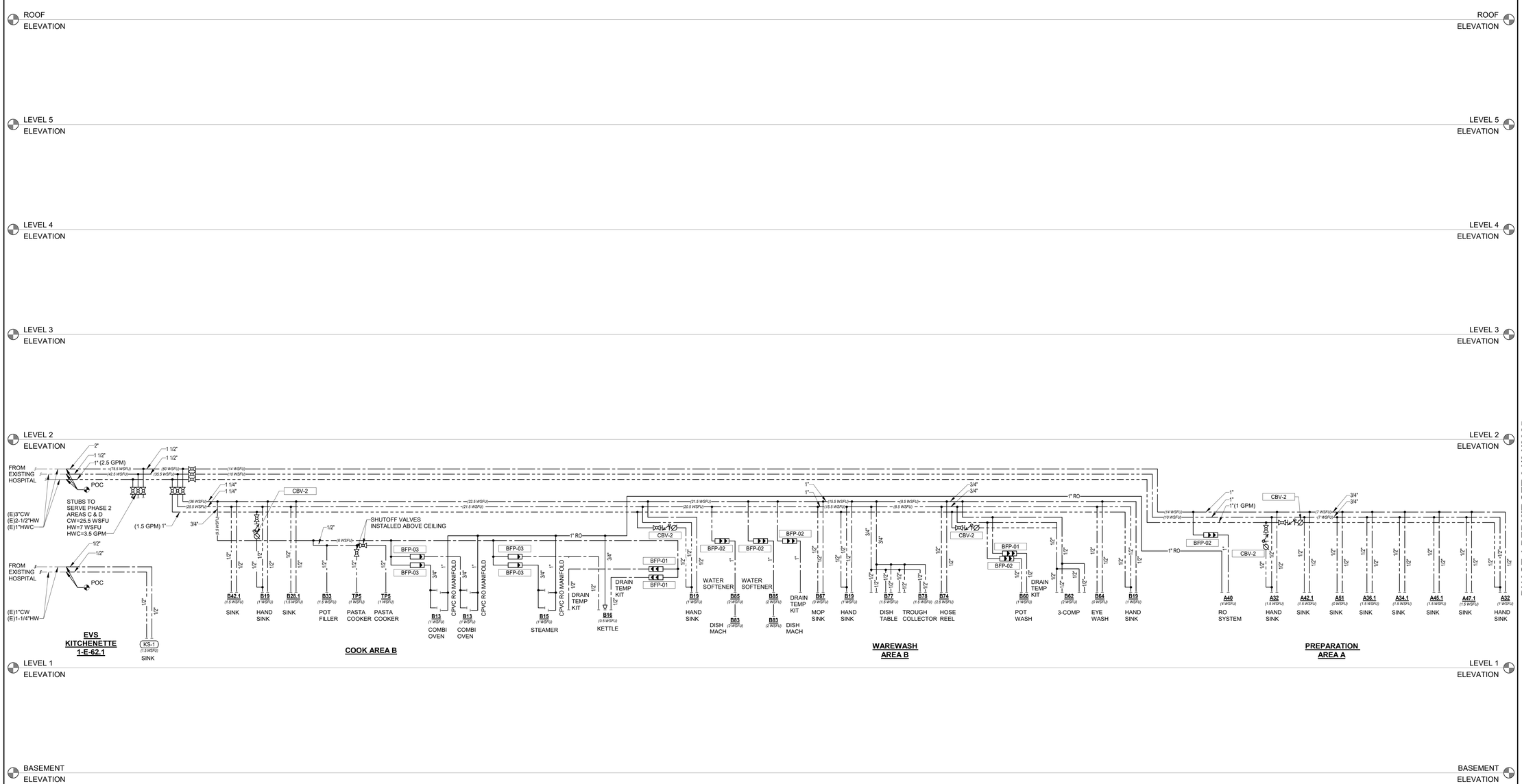

1 P4.01A DOMESTIC WATER RISER - PHASE 1

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

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ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE

DOMESTIC WATER RISER

SHEET NUMBER

TP4.01A

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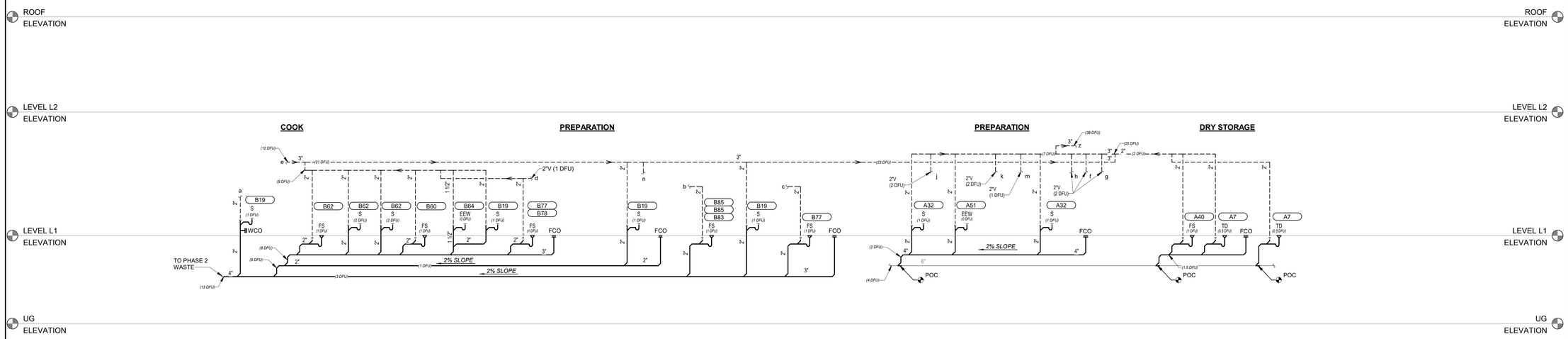

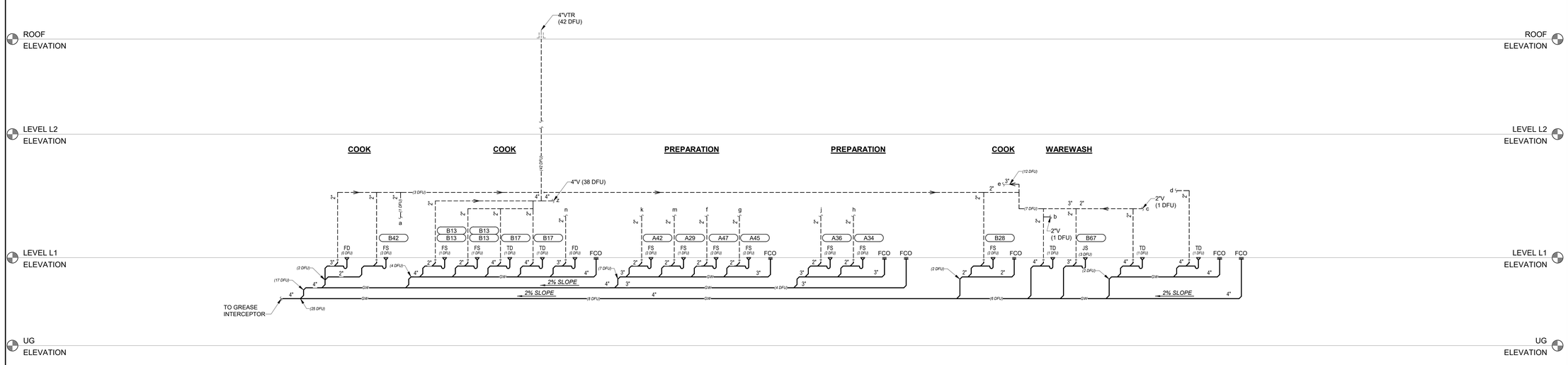

1 P4.02 WASTE-VENT-GREASE RISER

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

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KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE

WASTE-VENT-GREASE RISER

SHEET NUMBER

TP4.02A

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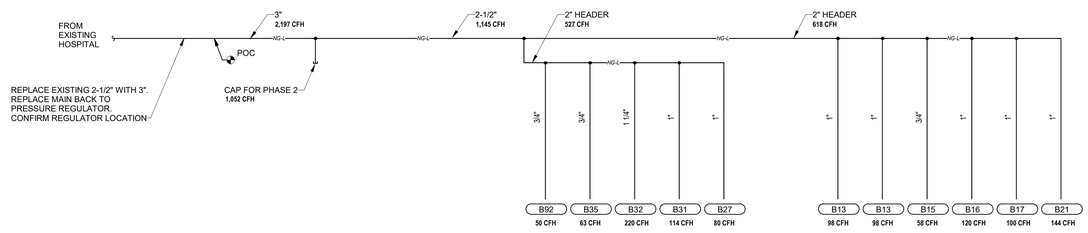
LEVEL 2
ELEVATION



COOK

LEVEL 1
ELEVATION

NATURAL GAS PIPING SIZED PER LONGEST LENGTH METHOD USING
THE 150 FOOT COLUMN.
INLET PRESSURE: LESS THAN 2 PSI
PRESSURE DROP: 0.5 in w.c.
SPECIFIC GRAVITY: 0.60

BASEMENT
ELEVATION

1 P4.03 NATURAL GAS RISER
SCALE: 1/8" = 1'-0"

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ISSUE CHART

MARK	ISSUE	DATE
Job Number		7725-4055

TITLE

NATURAL GAS RISER

SHEET NUMBER

TP4.03A

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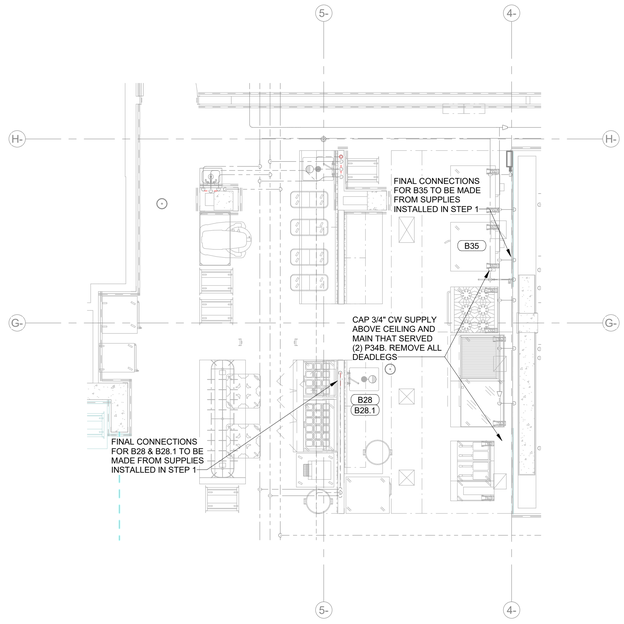

1 LEVEL 01 - PLUMBING - AREA B WEST - STEP 2

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

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DAVID L. JACOBSEN
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER

4/24/2025

PHASE 1 PERMIT SET 04/24/2025

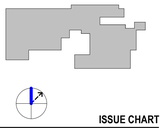
MultiCare Good Samaritan Hospital Kitchen

401 15th Ave SE,
Puyallup,
WA 98372

MultiCare Good Samaritan Hospital

MULTICARE

KEY PLAN



ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE

ENLARGED FLOOR PLAN - STEP 2 AREA B - PLUMBING

SHEET NUMBER

TP5.01B

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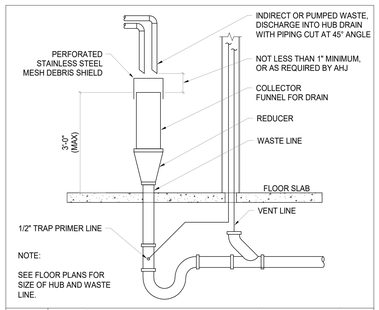

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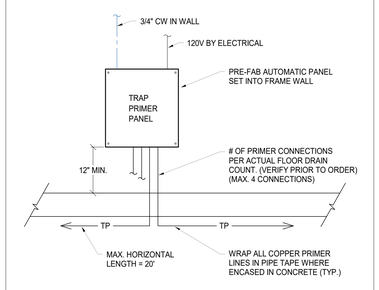
OPEN HUB DRAIN WASTE PIPING

N.T.S.



1 P6.01

ELECTRONIC TRAP PRIMER MANIFOLD

N.T.S.

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MULTICARE

KEY PLAN

ISSUE CHART

MARK	ISSUE	DATE

Job Number 7725-4055

TITLE

PLUMBING DETAILS

SHEET NUMBER

P6.01

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