

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

DUCTWORK/GRILLES

	POSITIVE PRESSURE DUCT - RISE
	POSITIVE PRESSURE DUCT - DROP
	NEGATIVE PRESSURE DUCT - RISE
	NEGATIVE PRESSURE DUCT - DROP
	ROUND DUCT - RISE
	ROUND DUCT - DROP
	UNDER FLOOR DUCT
	TURNING VANES
	FRESH AIR LOUVER
	RELIEF AIR OR EXHAUST AIR LOUVER
	CEILING SUPPLY DIFFUSER
	CEILING RETURN REGISTER
	CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	SIDEWALL SUPPLY REGISTER
	SIDEWALL EXHAUST OR RETURN REGISTER
	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
	CEILING AIR GRILLE WITH FLEXIBLE DUCT
	CEILING RETURN AIR GRILLE W/ SOUND BOOT
	LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION, NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
	INCLINED RISE
	INCLINED DROP
	RW=1. ROUND DUCT SIMILAR TO RECTANGULAR
	RECTANGULAR TO ROUND DUCT TRANSFORMATION BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
	FIRE DAMPER IN DUCT, W/ ACCESS PANEL RECD.
	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
	SMOKE DAMPER W/ ACCESS PANEL
	BACK DRAFT DAMPER
	ATC DAMPER
	ACCESS PANEL IN DUCT OR PLENUM
	HEATING OR COOLING COIL IN DUCT
	SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME, MIN. 1-1/2" TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN
	DUCT SMOKE DETECTOR

TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.

PIPING

	SHUT OFF VALVE
	BALL VALVE
	BUTTERFLY VALVE
	MOTOR OPERATED BUTTERFLY VALVE
	GATE VALVE
	GATE VALVE - NON RISING STEM
	ANGLE VALVE
	GLOBE VALVE
	PLUG VALVE
	SHUT OFF PLUG VALVE FOR USE WITH PRESSURE GAUGE
	CHECK VALVE
	LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
	F&T-FLOAT & THERMOSTATIC
	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	PRESSURE REDUCING VALVE EXTERNAL PRESSURE
	PRESSURE REDUCING VALVE SELF CONTAINED
	ATC - 2 WAY VALVE
	ATC - 3 WAY VALVE
	SOLENOID VALVE
	CALIBRATED BALANCING VALVE WITH GPM INDICATED
	VENTURI FLOW METER
	FLOW METER ORIFICE
	RELIEF VALVE
	AIR VENT-MANUAL
	AIR VENT-AUTO
	FLOW SWITCH
	PRESSURE SWITCH
	TEMPERATURE AND PRESSURE TEST PORT
	THERMOMETER WELL
	THERMOMETER - TEMP RANGE AS INDICATED
	PRESSURE GAUGE WITH SHUT OFF PLUG VALVE
	PRESSURE GAUGE WITH PIGTAIL
	UNION
	FLANGE
	FLEXIBLE EXPANSION JOINT
	REDUCER
	ECCENTRIC REDUCER
	BRANCH - BOTTOM CONNECTION
	BRANCH - TOP CONNECTION
	BRANCH - SIDE CONNECTION
	RISE OR DROP
	RISE - DOWN (ELBOW)
	RISE - UP (ELBOW)
	PIPE CAP
	ARROW INDICATES DIRECTION OF FLOW IN PIPE
	LEADER INDICATES DOWNWARD SLOPE
	VALVE IN RISE
	90° ELBOW
	45° ELBOW
	ALIGNMENT GUIDE
	ANCHOR

PLUMBING

	THERMOSTATIC MIXING VALVE
	HOSE BIBB
	FLOOR SINK
	FLOOR DRAIN
	FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
	ROOF DRAIN
	DOWNSPOUT NOZZLE
	VENT THRU ROOF
	WATER HAMMER ARRESTOR
	CLEAN-OUT
	FILL PORT
	DRAIN PAN AND P-TRAP
	FIXTURE FROM LEVEL ABOVE
	DEMOLITION

EQUIPMENT

	UNIT HEATER
	INLINE PUMP
	INLINE PUMP
	FAN

FIRE

	HOSE VALVE
	NRS GATE VALVE WITH SUPERVISION
	FLOW SWITCH
	FIRE RISER
	SPRINKLER HEAD
	FIRE SPRINKLER WATER

ANNOTATIONS

	PLUMBING FIXTURES
	POINT OF CONNECTION
	SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
	DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
	EQUIPMENT IDENTIFICATION
	KEYED NOTE IDENTIFICATION
	SWITCH
	SENSOR
	THERMOSTAT
	NIGHT THERMOSTAT

LINETYPES

	ACID VENT
	ACID WASTE
	BOILER BLOW DOWN
	BOILER FEED WATER
	BRINE
	CARBON DIOXIDE
	COMPRESSED AIR
	CHEMICAL FEED
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DEIONIZED WATER SUPPLY
	DEIONIZED WATER RETURN
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	GLYCOL HEAT RECOVERY PIPING
	GLYCOL PIPING SOLUTION
	FUEL OIL RETURN
	FUEL OIL SUPPLY
	FUEL OIL VENT
	FLUSH VALVE SUPPLY
	NATURAL GAS
	HOT GAS
	HELICOPTER FUEL RETURN
	HELICOPTER FUEL SUPPLY
	HIGH PRESSURE DOMESTIC WATER
	HIGH PRESSURE CONDENSATE
	HIGH PRESSURE STEAM
	HEATING HOT WATER RETURN
	HEATING HOT WATER SUPPLY
	INSTRUMENT AIR
	INSTRUMENT AIR AT PRESSURE INDICATED
	INDUSTRIAL COLD WATER
	INDUSTRIAL HOT WATER
	INDUSTRIAL HOT WATER RETURN
	INDUSTRIAL SOFT COLD WATER
	LAB AIR
	LAB VACUUM
	LOW PRESSURE CONDENSATE
	LIQUIFIED PETROLEUM GAS
	LOW PRESSURE STEAM
	LAB WATER
	LAB WATER RETURN
	MEDICAL AIR
	MEDICAL AIR AT PRESSURE INDICATED
	MEDIUM PRESSURE CONDENSATE
	MEDIUM PRESSURE STEAM

LINETYPES CONT.

	MAKE UP WATER
	MEDICAL VACUUM
	NITROGEN
	NITROUS OXIDE
	MEDICAL OXYGEN
	MEDICAL OXYGEN AT PRESSURE INDICATED
	PUMPED CONDENSATE
	REVERSE OSMOSIS WATER SUPPLY
	REVERSE OSMOSIS WATER RETURN
	ROOF DRAIN
	ROOF DRAIN OVERFLOW
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	SEWER (BELOW GRADE)
	SEWER (ABOVE GRADE)
	SOFT DOMESTIC WATER
	TEMPERED WATER
	TEMPERED WATER RETURN
	VACUUM
	VENT (SEWER)



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VCBO NUMBER: 20065
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**INTERMOUNTAIN PARK CITY HOSPITAL -
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INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR., PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

MEDICAL GAS GENERAL NOTES

- MEDICAL GAS PIPING IS TO BE RUN ABOVE THE CEILING, UNLESS NOTED OTHERWISE. COORDINATE PIPING ROUTING WITH ALL OTHER POSSIBLE CONFLICTS SUCH AS DUCTWORK, DIFFUSERS, OTHER PIPING, LIGHTS, CONDUIT, STRUCTURE, ETC.
- ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.
- MEDICAL GAS PIPING IS SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
- MOUNT ALL SERVICE VALVES NEAR CEILING HEIGHT FOR ACCESSIBILITY.

FIRE PROTECTION GENERAL NOTES

- NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION PIPING. FAILURE TO COMPLY WILL RESULT IN THE FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.
- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.
- COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
- FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED, IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.

PLUMBING GENERAL NOTES

- UNLESS OTHERWISE NOTED, SLOPE PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT.
- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.
- PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- ALL PIPING IN PLUMBING CHASES SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
- NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
- COORDINATE FAN ROOM FLOOR DRAIN AND FLOOR SINK LOCATIONS WITH COOLING COIL, EVAPORATIVE SECTION, AND HEATING COIL LOCATIONS.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
- PIPING AND ROUTING SHOWN, INCLUDING ALL BELOW FLOOR DECK PIPING, IS APPROXIMATE. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND SIZE OF ALL PIPING.
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
- CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ALL FIXTURES.
- LOCATE ALL VENTS MINIMUM 25' AWAY FROM AIR INTAKES.
- INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
- INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
- MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
- INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
- COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
- COORDINATE EXACT LOCATION OF PLUMBING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING, CABLE TRAY, DUCTWORK, MECHANICAL PIPING, MEDICAL GASES, FIRE PROTECTION AND OTHER TRADES, TYPICAL.
- COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
- ACCESS DOORS SHALL BE PROVIDED TO ALL WATER HAMMER ARRESTORS IN WALLS OR ABOVE CEILINGS.
- SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
- HOSE BIBBS SHOWN AT LAVATORIES ARE TO BE MOUNTED AT AN ACCESSIBLE LOCATION UNDER THE LAVATORY.
- COORDINATE EXACT LOCATION OF PLUMBING PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND FIRE PROTECTION PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
- LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24"X24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING.
- ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING.
 - SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER. DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.
 - LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING.
 - LOCATE AT THE BASE OF EACH VERTICAL STACK.

MECHANICAL PIPING GENERAL NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- UNLESS OTHERWISE NOTED: ALL MECHANICAL PIPING IS OVERHEAD TO RUN ABOVE DUCTWORK AND TIGHT TO UNDERSIDE OF STRUCTURE.
- WHERE VALVING OR EQUIPMENT IS LOCATED ABOVE HARD CEILINGS PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24"X24".
- NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
- SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.
- INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
- ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
- PROVIDE AN AIR VENT AT THE HIGH POINT OF EACH DROP IN THE HEATING AND CHILLED WATER PIPING SYSTEM.
- INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
- ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.
- PROVIDE ISOLATION VALVES AT EACH EXIT/ENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.
- ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.

MECHANICAL GENERAL NOTES

- COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES, AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
- SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.
- BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
- COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL ELEVATION AND FURNISHINGS PLANS, TYPICAL.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. SEE SPECIFICATION, TYPICAL.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AT ALL LOCATIONS SHOWN ON THE CONTRACT DOCUMENTS AND AS REQUIRED TO MEET THE INTEGRITY OF ALL SMOKE AND FIRE PARTITIONS. THE CONTRACTOR SHALL REFER TO THE LATEST ARCHITECTURAL LIFE SAFETY PLANS FOR ALL FIRE AND SMOKE PARTITION LOCATIONS. DAMPERS ARE TO BE PROVIDED WITH SHUTOFFTEST SWITCH AT EACH LOCATION.
- PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
- INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE LOCATIONS, MEETING ALL MANUFACTURERS REQUIRED CLEARANCES ON EACH SIDE, SEE DETAILS, TYPICAL.
- CONTRACTOR SHALL OFF-SET, TRANSITION AND PROVIDE CHANGES AS REQUIRED FOR COORDINATION WITH OTHER TRADES, TYPICAL.
- DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER.
- PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
- PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK.
- PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
- WHERE DUCTWORK CROSSES. SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
- AT LOCATIONS WHERE DIFFUSERS OR GRILLES ARE UNDER DUCTWORK, CONTRACTOR TO FABRICATE TRANSITION BOOT FROM FLEX CONNECTION TO DIFFUSER OR GRILLE WITH BALANCING DAMPER, TYPICAL.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED ACCESS DOORS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. FIELD VERIFY EXACT INSTALLATION LOCATIONS PRIOR TO COMMENCING WORK AND COORDINATE INSTALLATIONS WITH LATEST ARCHITECTURAL REFLECTED CEILING PLANS.
- MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
- ALL VAV BOXES TO HAVE REHEAT COILS, EXCEPT AS NOTED. PROVIDE A MINIMUM OF TWO DUCT DIAMETERS OF STRAIGHT ROUND DUCT TO INLET OF VAV BOX. BOX SHALL BE HARD CONNECTED (CONICAL) TO MEDIUM PRESSURE DUCT, TYPICAL.
- PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MIN. 24" X 24".
- ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- ALL DUCTWORK ABOVE HARD CEILINGS SHALL BE EXTENDED ALL THE WAY TO THE SUPPLY DIFFUSERS, RETURN GRILLS OR EXHAUST GRILLS WHETHER OR NOT HARD DUCT OR FLEX DUCT IS SHOWN ON PLANS. FLEX DUCT WILL NOT BE ALLOWED TO DIFFUSERS OR GRILLS ABOVE HARD CEILINGS. FLEX DUCT WILL BE REQUIRED IN AREAS ABOVE T-BAR CEILINGS.
- NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS.
- THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
- PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION WHERE THERE ARE HARD CEILINGS THE CONTRACTOR SHALL PROVIDE 24"X24" ACCESS DOOR.



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900 ROUND VALLEY DR., PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

MECHANICAL
GENERAL NOTES

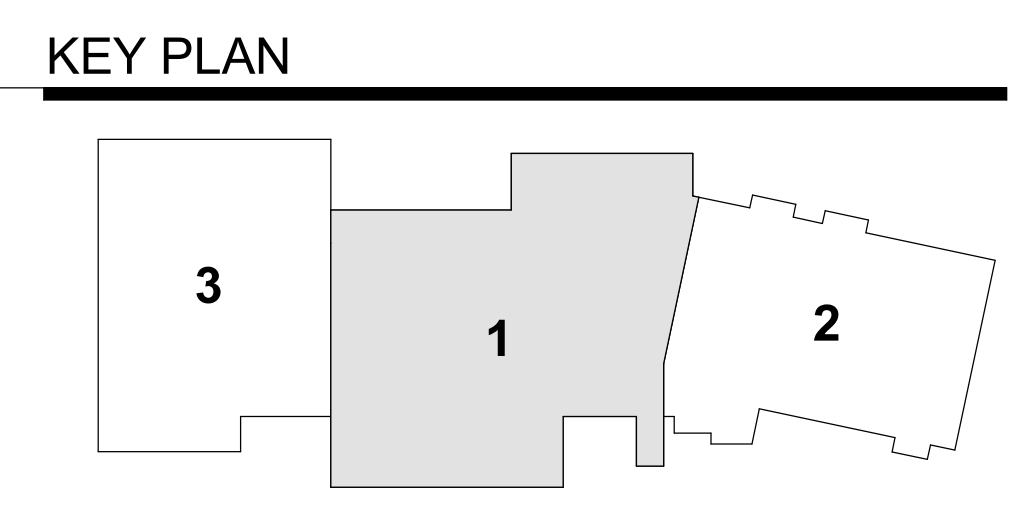
ME001



KEYED NOTES

1.

1 MECHANICAL ZONING PLAN FIRST FLOOR - AREA 1
SCALE: 1/8" = 1'-0"



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KEYED NOTES

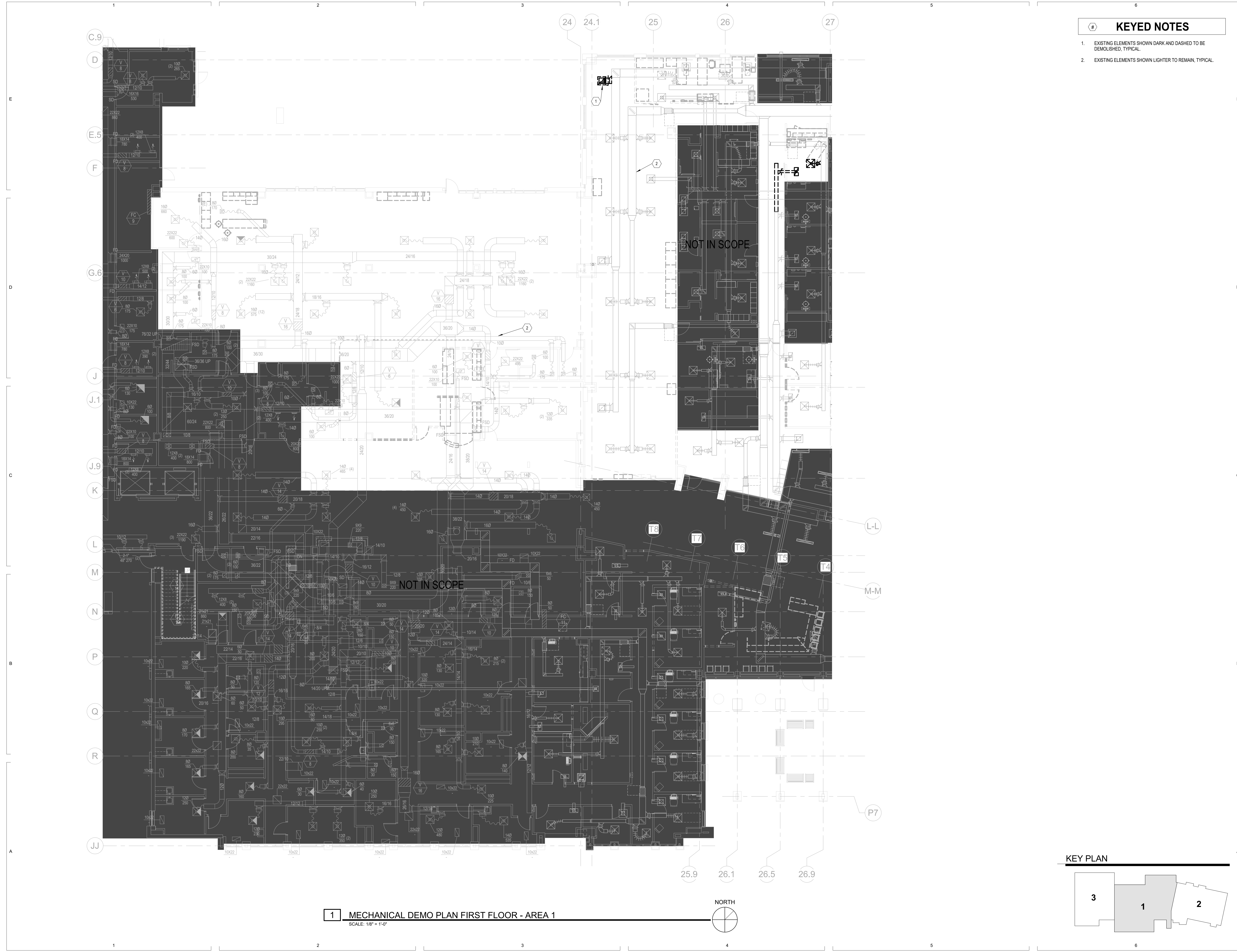
- EXISTING ELEMENTS SHOWN DARK AND DASHED TO BE DEMOLISHED, TYPICAL.
- EXISTING ELEMENTS SHOWN LIGHTER TO REMAIN, TYPICAL.

REV	DATE	DESCRIPTION
1	04/01/2022	Add #1
3	07/15/2022	PR 003
14	11/18/2022	PR 013

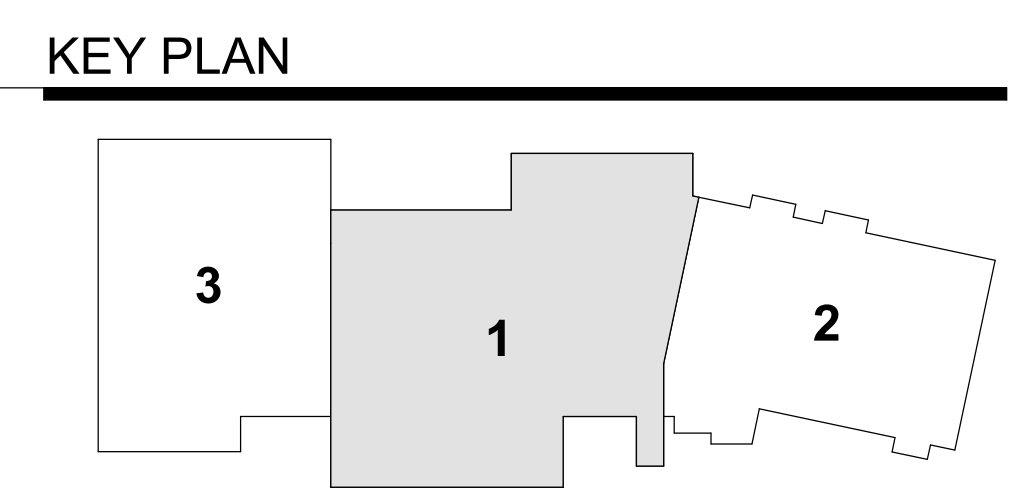
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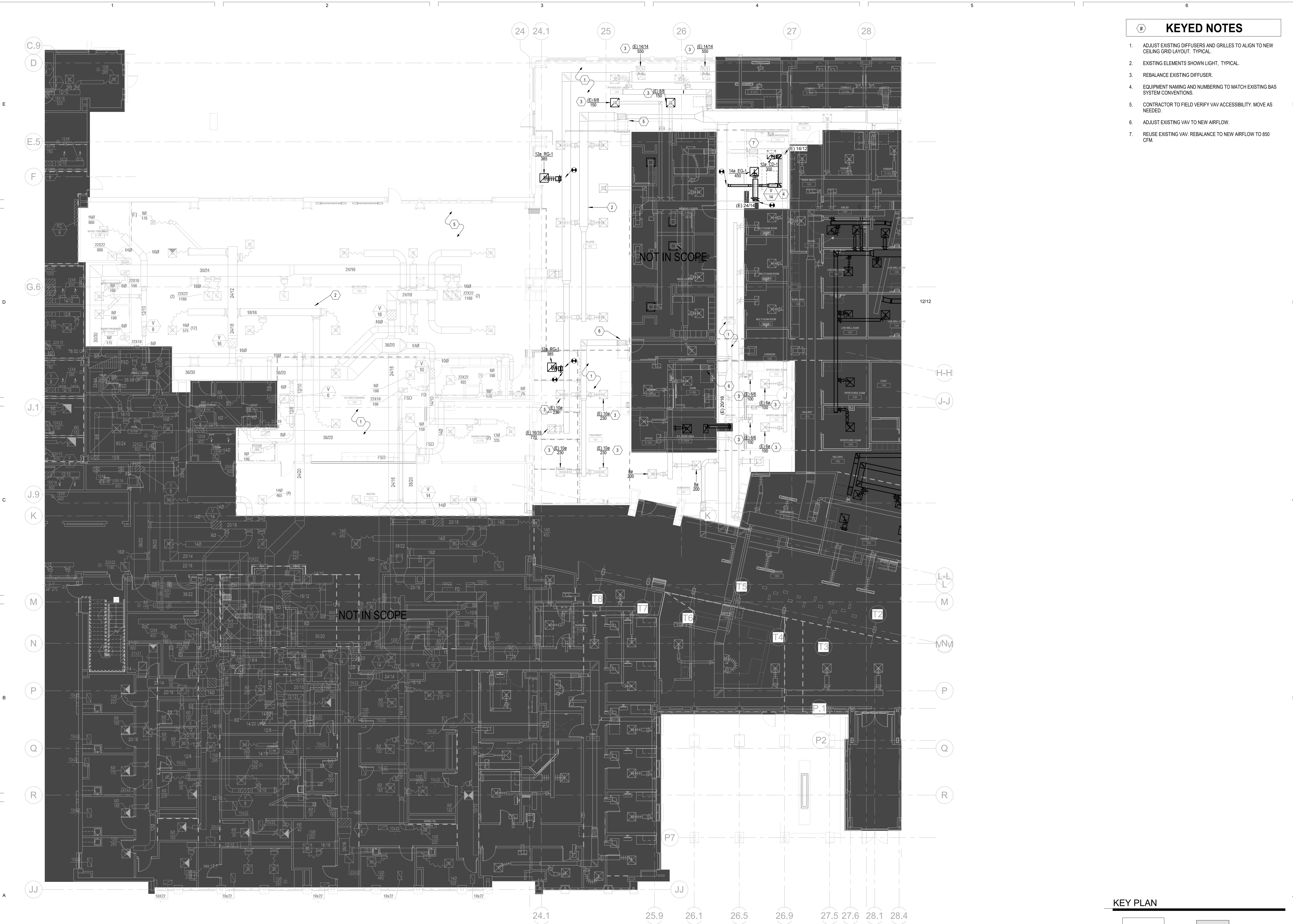
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CONSTRUCTION DOCUMENTS

MECHANICAL DEMOLITION PLAN
FIRST FLOOR - AREA 1
(PHASE 2)
MD111.1-2



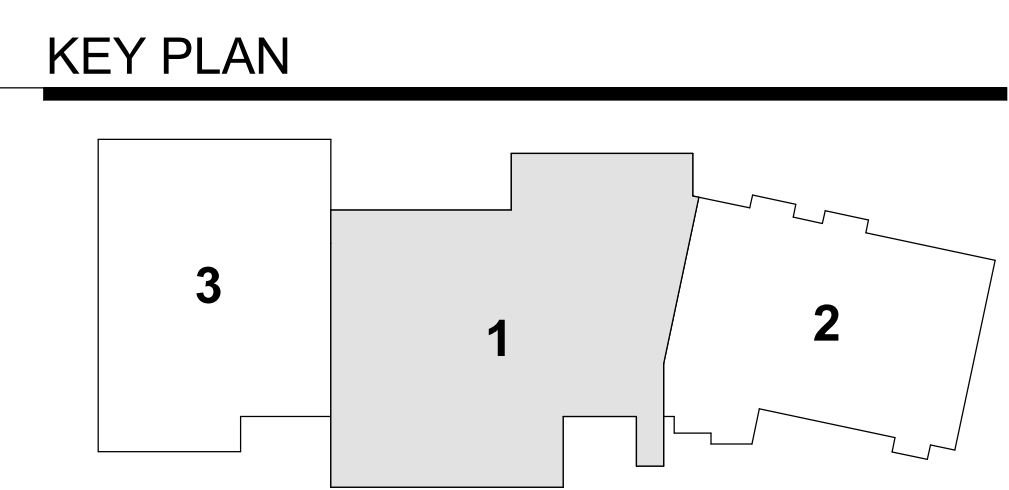
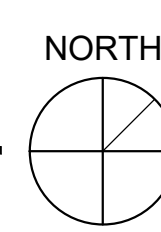
1 MECHANICAL DEMO PLAN FIRST FLOOR - AREA 1
SCALE: 1/8" = 1'-0"





- KEYED NOTES**
1. ADJUST EXISTING DIFFUSERS AND GRILLES TO ALIGN TO NEW CEILING GRID LAYOUT. TYPICAL.
 2. EXISTING ELEMENTS SHOWN LIGHT, TYPICAL.
 3. REBALANCE EXISTING DIFFUSER.
 4. EQUIPMENT NAMING AND NUMBERING TO MATCH EXISTING GAS SYSTEM CONVENTIONS.
 5. CONTRACTOR TO FIELD VERIFY VAV ACCESSIBILITY. MOVE AS NEEDED.
 6. ADJUST EXISTING VAV TO NEW AIRFLOW.
 7. REUSE EXISTING VAV. REBALANCE TO NEW AIRFLOW TO 850 CFM.

1 MECHANICAL PLAN FIRST FLOOR - AREA 1
SCALE: 1/8" = 1'-0"



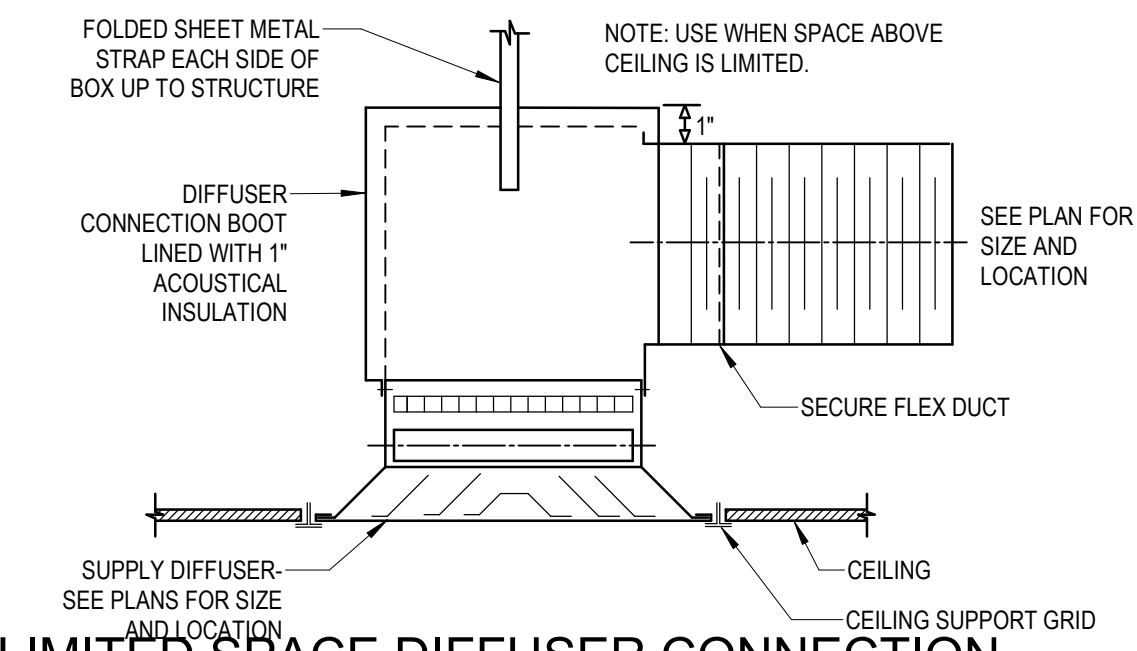
REV	DATE	DESCRIPTION
1	04/01/2022	Add #1
3	07/15/2022	PR 003
14	11/18/2022	PR 013
19	03/27/2023	PR 016

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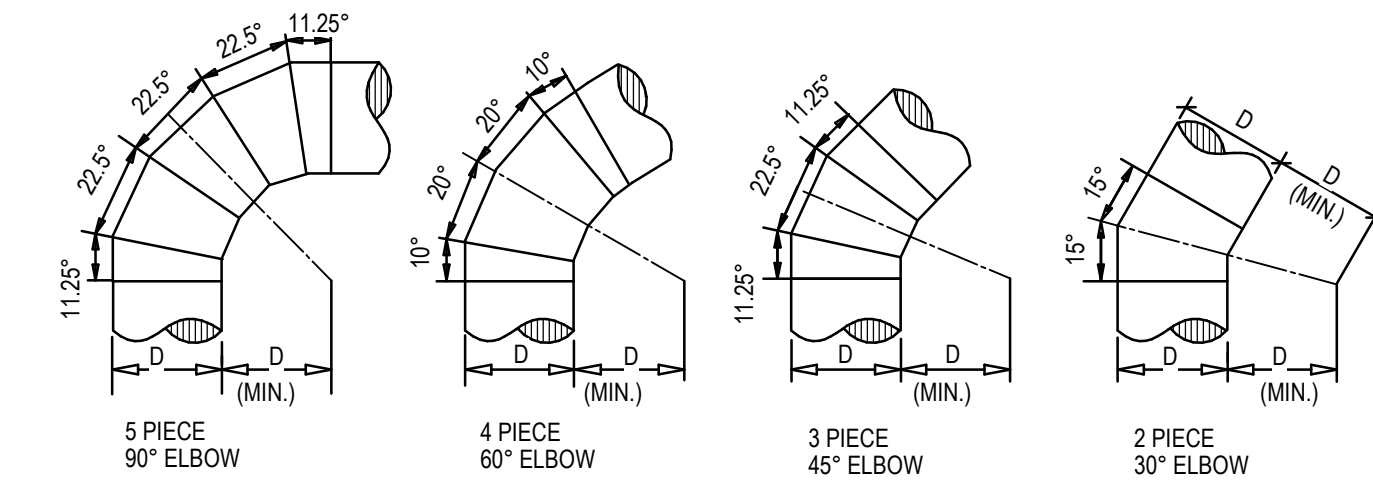
COIL BRANCH PIPE SIZES

(SEE SCHEDULE FOR FLOW REQUIREMENTS)

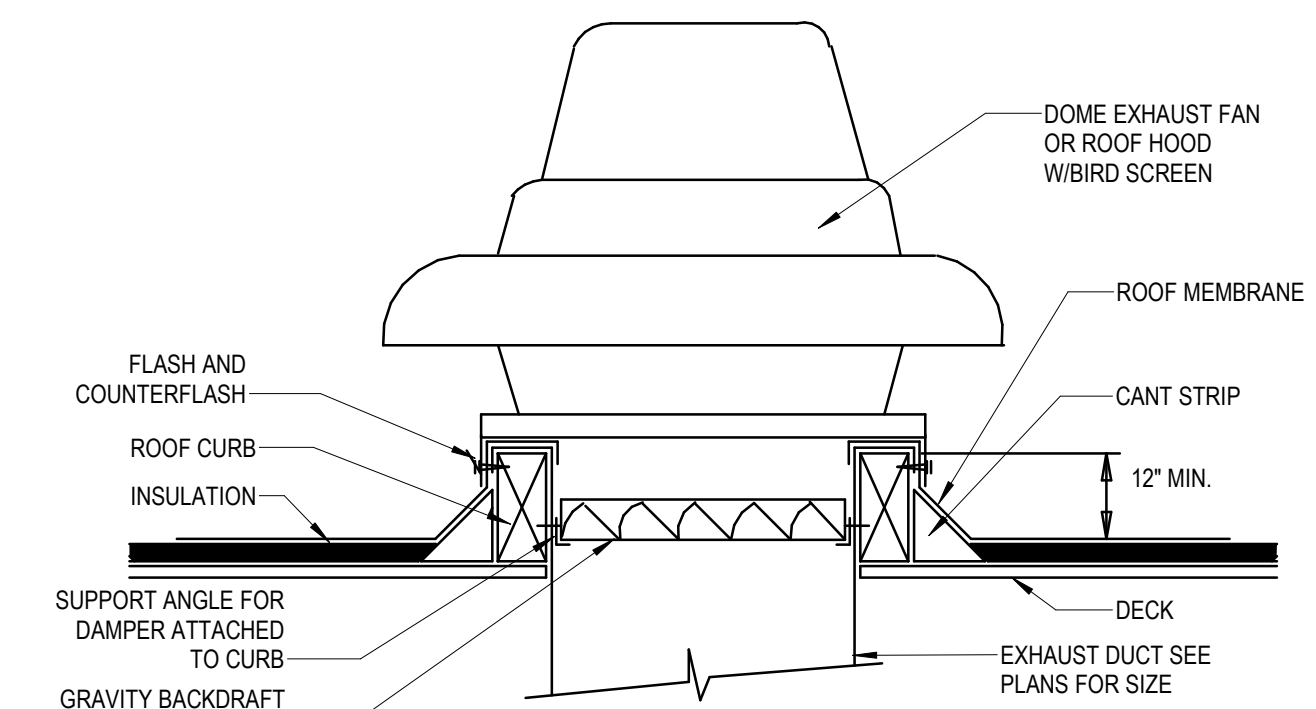
0.5"	=	0.0	<	1.6 (GPM)
0.75"	=	0.6	TO	3.5 (GPM)
1.0"	=	3.6	TO	6.3 (GPM)
1.25"	=	8.7	TO	14 (GPM)
1.5"	=	14.1	TO	21 (GPM)
2.0"	=	21.1	TO	42 (GPM)
2.5"	=	42.1	TO	68 (GPM)
3.0"	=	66.1	TO	120 (GPM)
4.0"	=	120.1	TO	240 (GPM)
6.0"	=	240.1	TO	600 (GPM)
8.0"	=	600.1	TO	1000 (GPM)
10.0"	=	1000.1	TO	1600 (GPM)
12.0"	=	1600.1	TO	2400 (GPM)



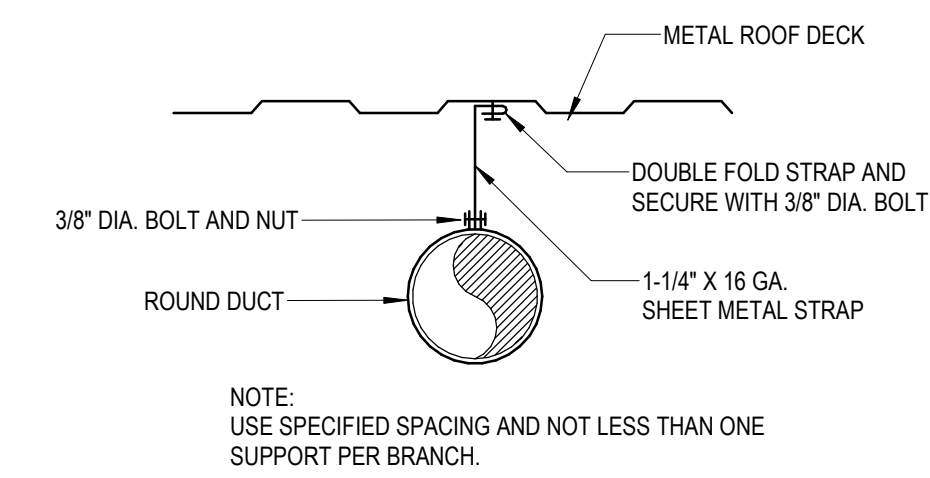
1 LIMITED SPACE DIFFUSER CONNECTION
SCALE: NTS



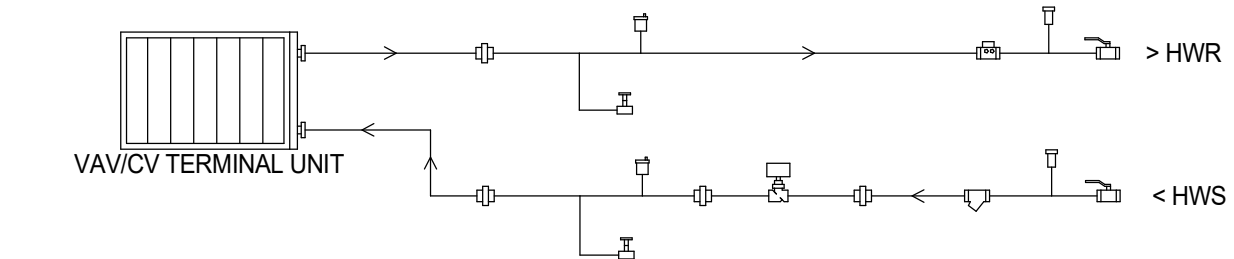
2 ROUND DUCT ELBOWS DETAIL
SCALE: NTS



3 ROOF MOUNTED DOMED EXHAUST FAN DETAIL
SCALE: NTS



4 ROUND DUCT SUPPORT DETAIL
SCALE: NTS



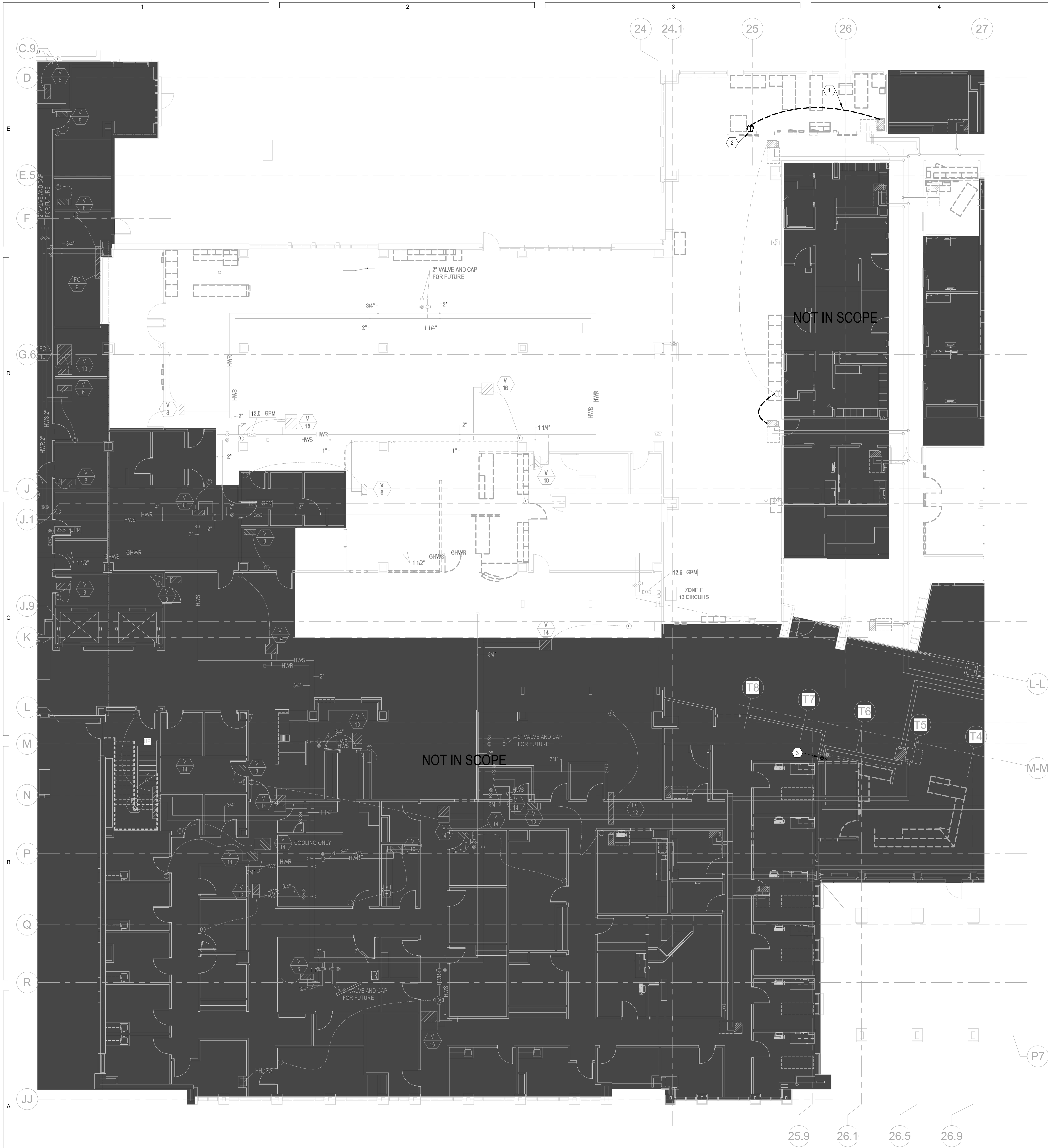
VBFA-033: VAV/CV TERMINAL UNIT
2-WAY CONTROL VALVE PIPING SCHEMATIC DETAIL
5 VAV/CV TERMINAL UNIT 2 WAY CONTROL VALVE PIPING SCHEMATIC
SCALE: NTS

PROJECT SCHEDULE					
NAME	LOCATION	OUTSIDE AIR		ALTITUDE (FT)	NOTES
		HEATING SEASON DSRH (%)	COOLING SEASON DSRWB (%)		
PKH SPORTS PERFORMANCE	PARK CITY, UT	-20/10	91/63	6800	

DIFFUSERS, REGISTERS, AND GRILLES				
DIFFUSER CALLOUT	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	PRICE	SPD	25	SQUARE PLAQUE FACE CEILING DIFFUSERS: REMOVABLE FACE. FRAME SHALL BE FOR LAY-IN MOUNTING OR SURFACE MOUNT AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. HARD LID CEILING TO BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING SPACE AVAILABLE WITH LAY-IN PLASTER FRAME. FINISH AS SELECTED BY ARCHITECT.
EG-1	PRICE	PDDR	25	PERFORATED GRILLE: FRAME SHALL BE FOR LAY-IN MOUNTING OR SURFACE MOUNT AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24"X24" OR 24"X12" TO FIT CEILING SPACE AVAILABLE. HARD LID CEILING TO BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING SPACE AVAILABLE. PROVIDE ROUND/RECTANGULAR NECK SIZE AS INDICATED ON DRAWINGS. FINISH AS SELECTED BY ARCHITECT.
RG-1	PRICE	PDDR	25	PERFORATED GRILLE: FRAME SHALL BE FOR LAY-IN MOUNTING OR SURFACE MOUNT AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24"X24" OR 24"X12" TO FIT CEILING SPACE AVAILABLE. HARD LID CEILING TO BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING SPACE AVAILABLE. PROVIDE ROUND/RECTANGULAR NECK SIZE AS INDICATED ON DRAWINGS. FINISH AS SELECTED BY ARCHITECT.
SWR-1	PRICE	530	25	STEEL RETURN EXHAUST GRILLE: GRILLES SHALL BE 45 DEGREE DEFLECTION FIXED LOUVER WITH 3/4 IN. ON CENTER SPACING. BLADES SHALL RUN HORIZONTAL. FINISH AS SELECTED BY ARCHITECT.
SWS-1	PRICE	510	25	STEEL SUPPLY AIR GRILLE: DOUBLE DEFLECTION BLADES WITH 3/4 IN. ON CENTER SPACING. 1-1/4" FLAT SURFACE MOUNTING FRAME FRONT BLADES PARALLEL TO SHORT DIMENSION. FINISH AS SELECTED BY ARCHITECT.

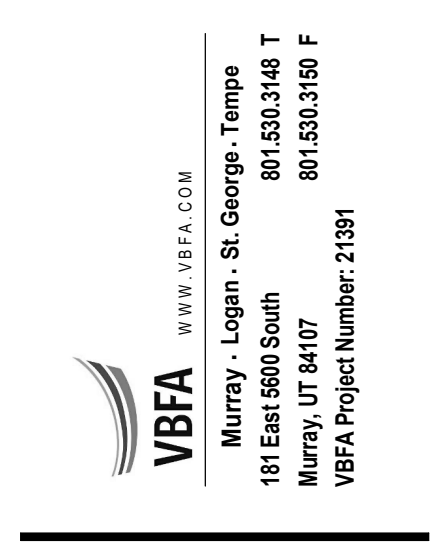
VAV BOX SCHEDULE																	
NUMBER	Manufacturer	Inlet Size Text	Cooling Airflow	Heating Airflow	Min Airflow	Entering Air Temperature	Leaving Air Temperature	S.P. Loss at Max CFM	Flow Rate	Entering Water Temperature	Leaving Water Temperature	Working Fluid	Head Loss Feet	Min. Number of Rows/Fins Per Inch	Valve Type	PIPE SIZE	Notes
V-1	TITUS -ESV-3	10"	730	660	230	52 °F	99 °F	0.235	2.0 GPM	180 °F	152 °F	WATER	0.47	2/10	2 Way Valve	3/4	1-4
V-2	TITUS -ESV-3	12"	840	840	325	52 °F	100 °F	0.179	2.5 GPM	180 °F	150 °F	WATER	0.95	2/10	2 Way Valve	3/4	1-4
V-3	TITUS -ESV-3	14"	1900	1320	450	52 °F	96 °F	0.36	3.0 GPM	180 °F	144 °F	WATER	0.95	2/10	2 Way Valve	3/4	1-4
V-4	TITUS -ESV-3	12"	1040	960	325	52 °F	97 °F	0.249	2.5 GPM	180 °F	148 °F	WATER	0.95	2/10	2 Way Valve	3/4	1-4
V-5	TITUS -ESV-3	10"	600	600	250	52 °F	101 °F	0.17	2.0 GPM	180 °F	153 °F	WATER	0.47	2/10	2 Way Valve	3/4	1-4
V-6	TITUS -ESV-3	10"	560	560	560	52 °F	103 °F	0.15	2.0 GPM	180 °F	154 °F	WATER	0.47	2/10	2 Way Valve	3/4	1-4
V-7	TITUS -ESV-3	16"	1560	1560	580	52 °F	97 °F	0.172	3.5 GPM	180 °F	143 °F	WATER	0.7625	2/10	2 Way Valve	3/4	1-4
V-8	TITUS -ESV-3	8"	620	420	145	52 °F	100 °F	0.338	1.5 GPM	180 °F	155 °F	WATER	0.4775	2/10	2 Way Valve	3/4	1-4
V-9	TITUS -ESV-3	8"	610	420	145	52 °F	100 °F	0.329	1.5 GPM	180 °F	155 °F	WATER	0.4775	2/10	2 Way Valve	3/4	1-4
V-10	TITUS -ESV-3	8"	550	420	145	52 °F	100 °F	0.275	1.5 GPM	180 °F	155 °F	WATER	0.4775	2/10	2 Way Valve	3/4	1-4
V-11	TITUS -ESV-3	12"	840	840	325	52 °F	100 °F	0.179	2.5 GPM	180 °F	150 °F	WATER	0.95	2/10	2 Way Valve	3/4	1-4
V-14	TITUS -ESV-3	6"	300	300	350	52 °F	100 °F	0.07	1.0 GPM	180 °F	153 °F	WATER	0.12	2/10	2 Way Valve	3/4	1-4

1. MAXIMUM DISCHARGE NC AT BOX DIFFERENTIAL PRESSURE BASED ON ARI STANDARD 880-89.
2. MAXIMUM STATIC PRESSURE DROP PERMISSIBLE ACROSS BOX AND COIL AT MAXIMUM COOLING CFM.
3. BOX COOLING MAXIMUM IS THE SUM OF DIFFUSERS CFM VALUES AS SHOWN IN THE DRAWINGS.
4. PRESSURE INDEPENDENT TYPE BOX.



KEYED NOTES

1. DASHED LINES INDICATE DEMOLISHED PIPES AND EQUIPMENT. TYPICAL.
2. RELOCATE AND REUSE THERMOSTAT.
3. DEMO EXISTING DROPS. RELOCATE AS SHOWN ON MP111.1. SAW CUT AS NECESSARY.



REV	DATE	DESCRIPTION
1	04/01/2022	Add #1
14	11/18/2022	PR 013

VCBO NUMBER: 20065
DATE: 08-04-2023

**INTERMOUNTAIN PARK CITY HOSPITAL -
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INTERMOUNTAIN HEALTHCARE
900 ROUND VALLEY DR., PARK CITY, UT 84060
CONSTRUCTION DOCUMENTS

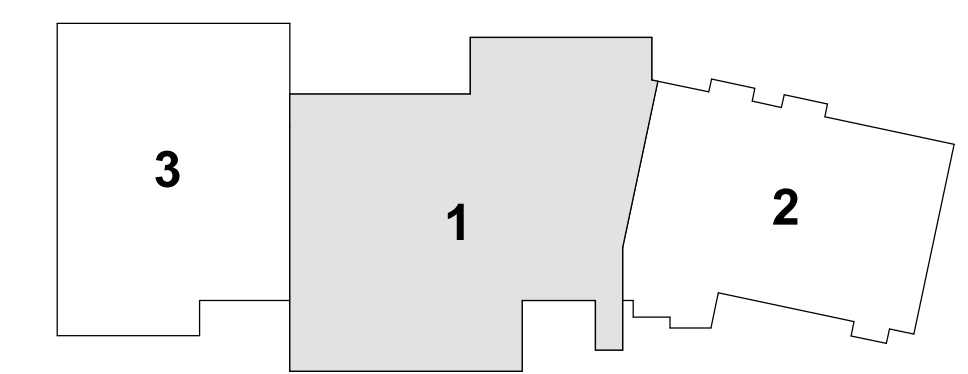
MECHANICAL PIPING
DEMOLITION PLAN
FIRST FLOOR - AREA 1
(PHASE 2)

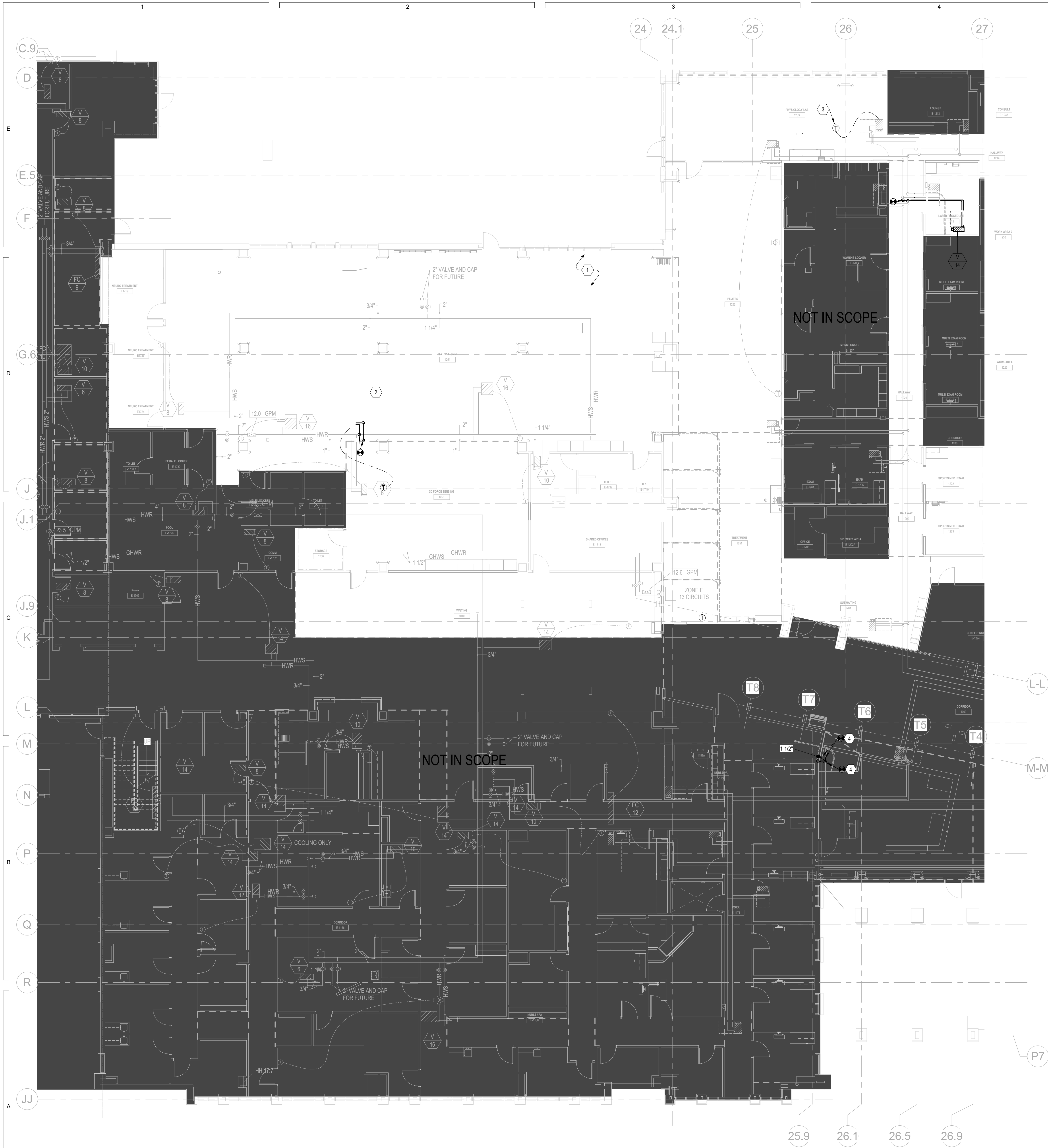
MPD111.1-2

1 MECHANICAL PIPING DEMO PLAN FIRST FLOOR - AREA 1
SCALE: 1/8" = 1'-0"



KEY PLAN





- # KEYED NOTES**
- EXISTING ELEMENTS SHOWN LIGHT. TYPICAL.
 - EQUIPMENT NAMING AND NUMBERING TO MATCH EXISTING BAS SYSTEM CONVENTIONS.
 - RELOCATED THERMOSTAT.
 - RELOCATE MECHANICAL PIPING LINES INTO ADJACENT WALL. RECONNECT TO PIPING BELOW GRAD. SAW CUT AS NECESSARY. PATCH AND REPAIR WALLS AS REQUIRED.

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 VBFA Project Number: 21381



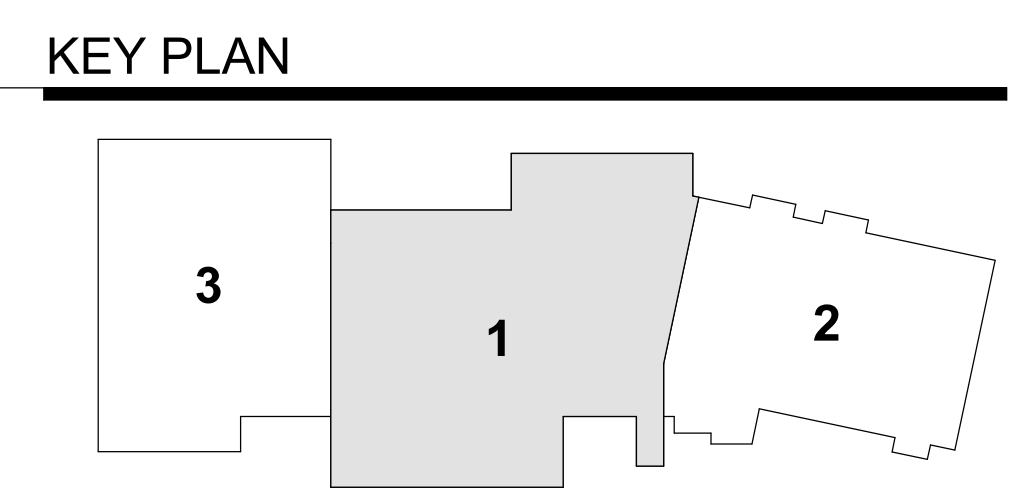
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14	11/18/2022	PR 013

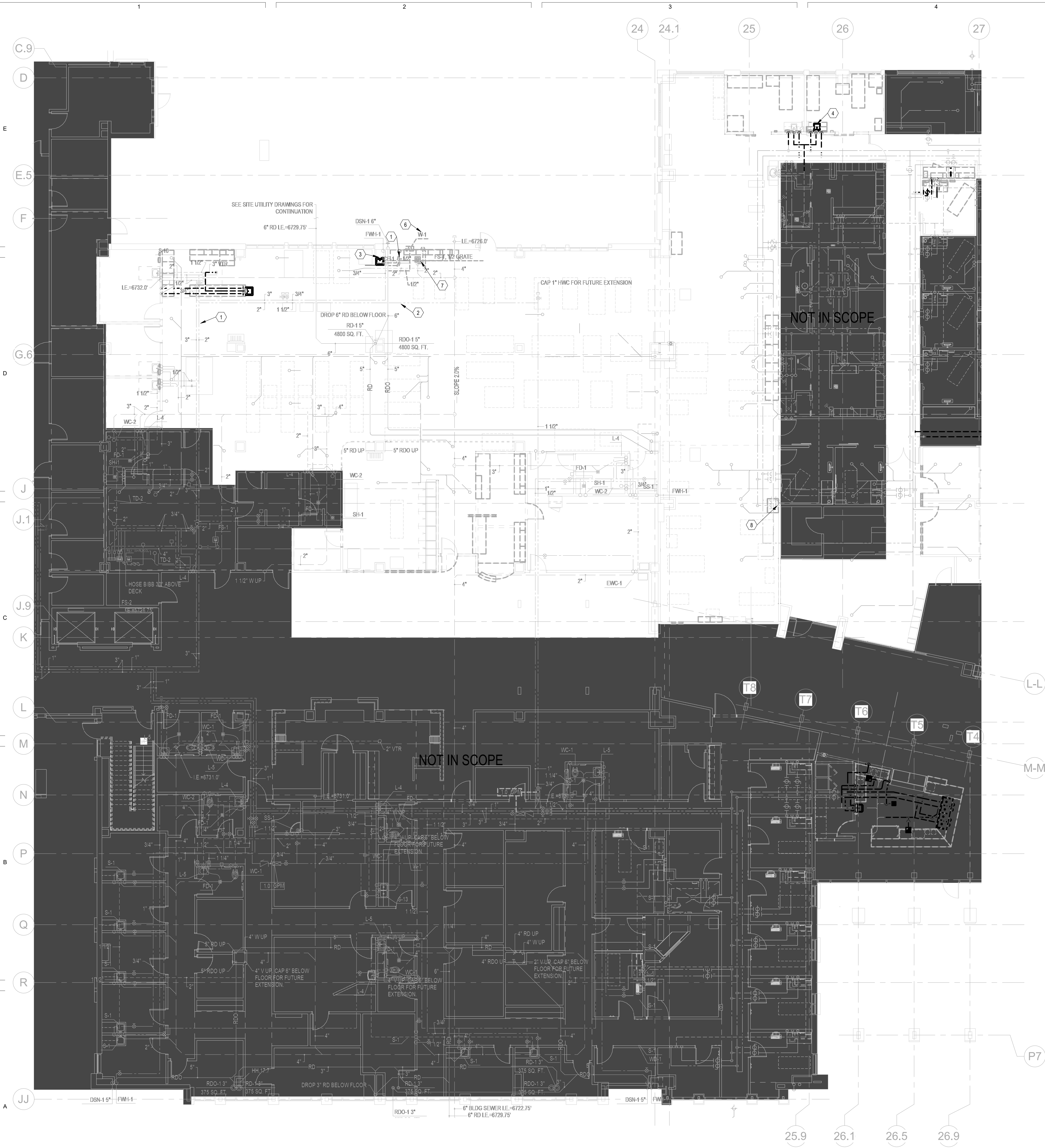
VCBO NUMBER: 20065
 DATE: 08-04-2023

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MECHANICAL PIPING
 PLAN FIRST FLOOR -
 AREA 1 (PHASE 2)
MP111.1-2

1 MECHANICAL PIPING PLAN FIRST FLOOR - AREA 1
 SCALE: 1/8" = 1'-0"





- ### # KEYED NOTES
- EXISTING ELEMENTS SHOWN DARK AND DASHED TO BE DEMOLISHED, TYPICAL.
 - EXISTING ELEMENTS SHOWN LIGHT TO REMAIN, TYPICAL.
 - DEMOLISH EXISTING DCW, DHW, VENT, AND WASTE LINES BACK TO MAIN FROM SINK, VALVE AND CAP AT MAIN. FOR DHW LINES REPLACE TEE AT MAIN WITH UNION TO AVOID DEAD LEG IN PIPE.
 - DEMOLISH EXISTING WASTE LINE BACK TO MAIN FROM SINK AND CAP.
 - FOR ALL DHW LINES BEING DEMOLISHED BACK TO MAIN: REPLACE TEE AT MAIN WITH UNION TO AVOID DEAD LEG IN PIPE.
 - REMOVE EXISTING OUTLET BOX AND SAFELY STORE. RELOCATE TO NEW LOCATION FOR ICE MACHINE.
 - REMOVE EXISTING FLOOR SINK AND SAFELY STORE. RELOCATE TO NEW LOCATION FOR ICE MACHINE.
 - DEMOLISH EXISTING P-TRAP, FLEXIBLE HOSES, AND STOPS.

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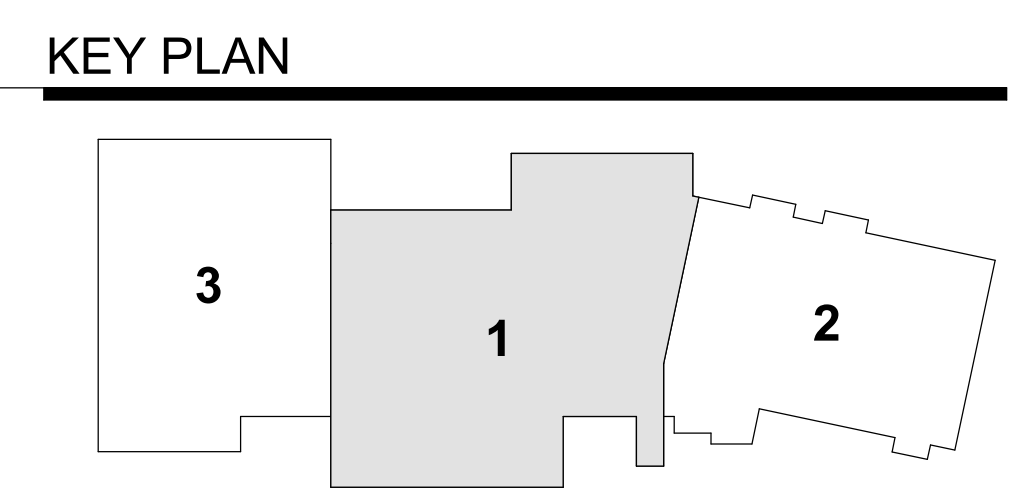
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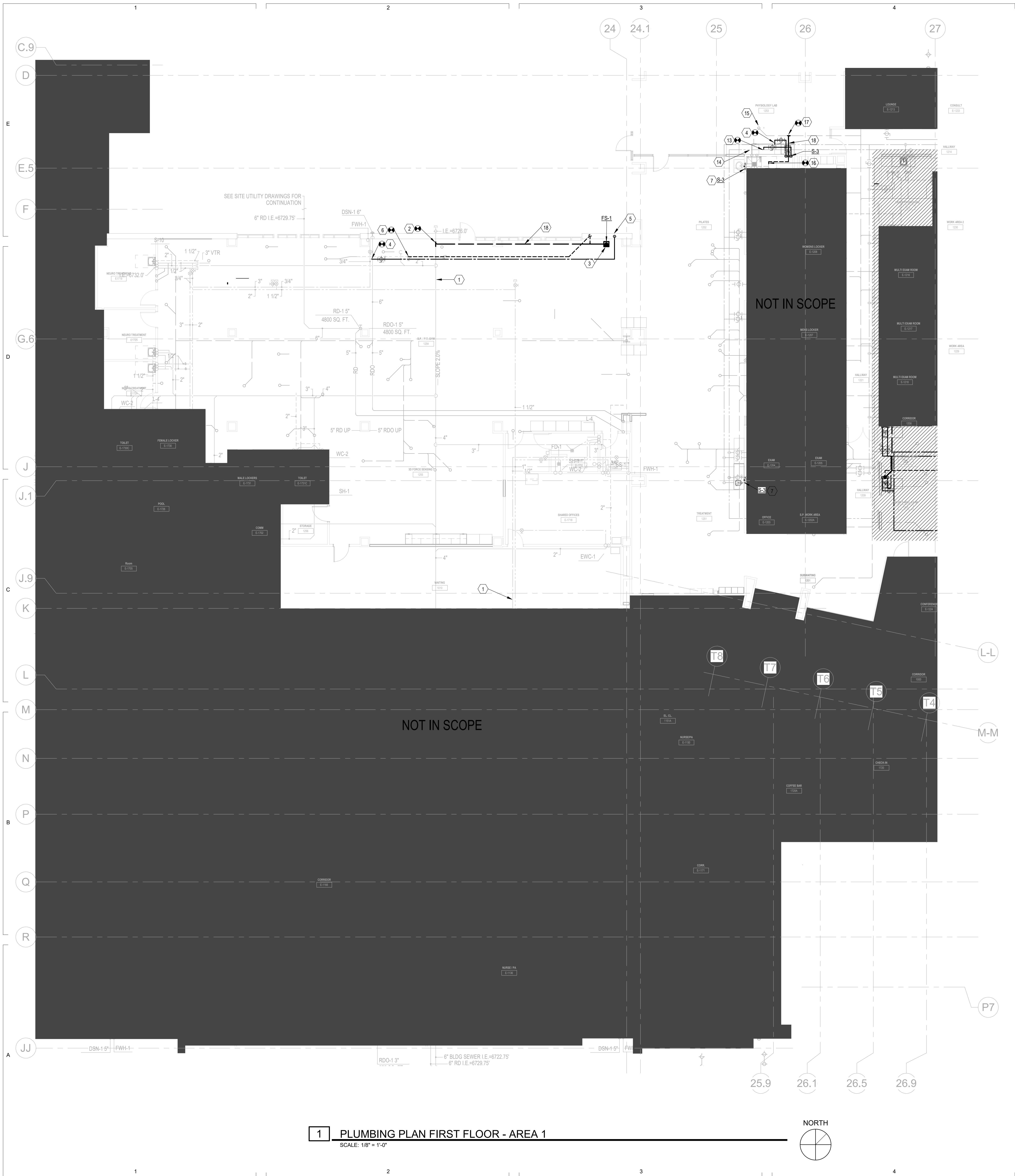
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 DATE: 08-04-2023

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 CONSTRUCTION DOCUMENTS

PLUMBING DEMOLITION PLAN
 FIRST FLOOR - AREA 1
 (PHASE 2)
PD111.1-2

1 PLUMBING DEMO PLAN FIRST FLOOR - AREA 1
 SCALE: 1/8" = 1'-0"





KEYED NOTES

1. EXISTING ELEMENTS SHOWN LIGHT, TYPICAL.
2. CONNECT NEW 3" W TO EXISTING 4" W MAIN.
3. FLOOR SINK FOR ICE MACHINE BEING RELOCATED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
4. CONNECT NEW 1/2" DCW LINE TO EXISTING 1/2" DCW LINE.
5. RELOCATE EXISTING OUTLET BOX SERVING EXISTING ICE MACHINE AND INSTALL IN NEW LOCATION.
6. CONNECT NEW 2" V LINE TO EXISTING 2" V LINE.
7. REUSE EXISTING DCW, DHW, VENT, AND WASTE PIPING FROM EXISTING PIPES. REPLACE EXISTING P-TRAP, FLEXIBLE HOSES, AND STOPS PER THE PLUMBING FIXTURE SCHEDULE.
8. NOT USED IN THIS PHASE.
9. NOT USED IN THIS PHASE.
10. NOT USED IN THIS PHASE.
11. NOT USED IN THIS PHASE.
12. NOT USED IN THIS PHASE.
13. CONNECT NEW 1/2" DHW LINE TO EXISTING 1/2" DHW LINE.
14. REPLACE EXISTING TEE WITH UNION TO AVOID DEAD LEGS IN PIPES.
15. CAP WASTE LINE IN FLOOR.
16. CONNECT NEW 1-1/2" V LINE TO EXISTING 2" V LINE.
17. CONNECT NEW 2" W TO EXISTING 2" W MAIN.
18. SAW CUT AS REQUIRED.



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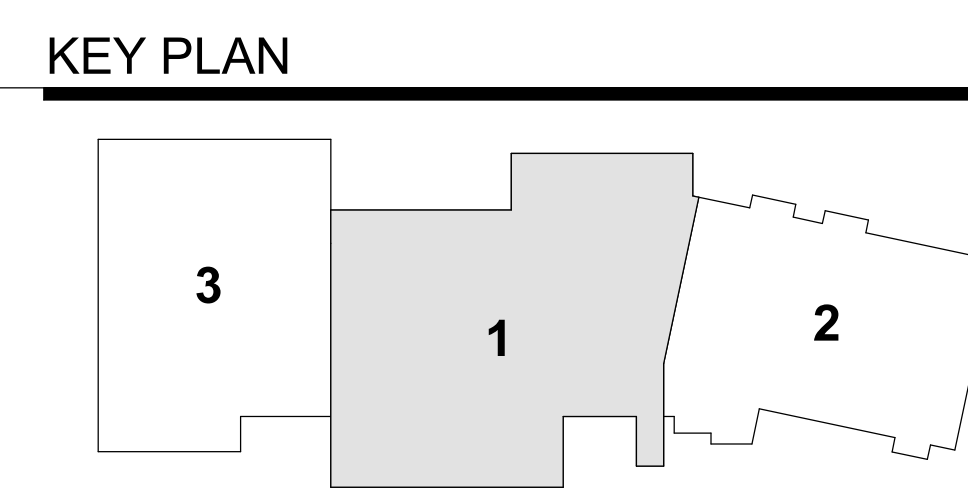


REV	DATE	DESCRIPTION
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18	02/17/2023	PR 015

VCBO NUMBER: 20065
 DATE: 08-04-2023

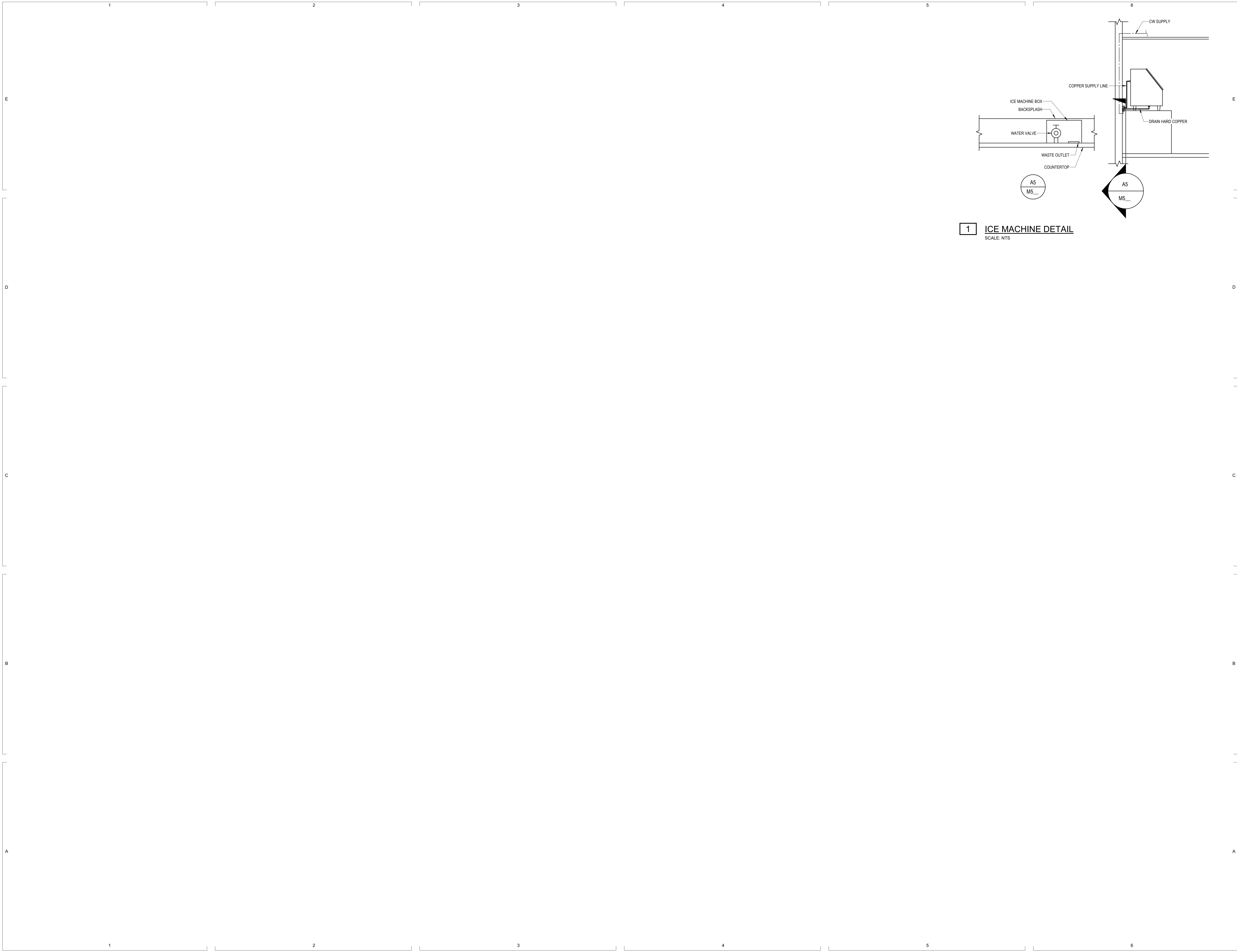
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 CONSTRUCTION DOCUMENTS

PLUMBING PLAN FIRST FLOOR - AREA 1 (PHASE 2)
PP111.1-2



1 PLUMBING PLAN FIRST FLOOR - AREA 1
 SCALE: 1/8" = 1'-0"





1 ICE MACHINE DETAIL
SCALE: NTS

REV	DATE	DESCRIPTION

VCBO NUMBER: 20065
DATE: 08-04-2023

PLUMBING FIXTURE SCHEDULE							
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	DESCRIPTION	SPECIFICATION
BT-1	BATHTUB	1/2	1/2	2	2	ALCOVE TYPE BATH WITH SHOWER VALVE	TUB AND SHOWER (ADA COMPLIANT); KOHLER K-1946-LA ARCHER BATH, 60" X 30" X 19". ACRYLIC CONSTRUCTION WITH SAFEGUARD BOTTOM AND DRILLINGS FOR HAND GRIP RAILS, OUTLET AT LEFT OR RIGHT AS SHOWN ON PLANS. KOHLER K9669 POLISHED CHROME HAND GRIP RAILS. KOHLER CLEARFLO K-7271 SLOTTED OVERFLOW AND DRAIN. SYMMONS 5506-T600B-36-V-X-231-1.5 TEMPROL SHOWER UNIT WITH TUB SPOUT, PRESSURE BALANCE ALL METAL BRASS AND STAINLESS PISTON OPERATED VALVE, ALL METAL TRIM, 4-231 SUPER SHOWERHEAD WITH ADJUSTABLE SPRAY; 300S ARM; FS HAND SPRAY UNIT WITH NON POSITIVE SHUT OFF IN HAND HELD HEAD. FLEXIBLE HOSE, SYMMONS 36" T600B ADA GRAB AND SLIDE BAR FOR HAND SHOWER MOUNTING, WALL CONNECTION AND IN-LINE VACUUM BREAKER WITH TEMPERATURE STOP, AND TUB SPOUT. ADJUST HOT WATER HANDLE LIMIT STOP TO 108 DEGREES F.
EWC-1	PUBLIC ELECTRIC WATER COOLER	1/2	---	1-1/2	1-1/2	ADA, SINGLE STATION, BOTTLE FILLING STATION	ELECTRIC WATER COOLER: ELKAY EZH2O LZ8WSLP SINGLE STATION, WALL MOUNTED WITH BOTTLE FILLING STATION, BARRIER FREE, ADA ELECTRIC WATER COOLER WITH FLEXIBLE SAFETY BUBBLER, STAINLESS STEEL BOWLS AND CONTROL BUTTONS ON FRONT AND SIDES. COMPRESSOR TO BE 115V, 60 HZ WITH CAPACITY TO DELIVER AT LEAST 8.0 GPH OF 50°F WATER. 1-1/2" CAST BRASS CHROME-PLATED P-TRAPS.
FS-1	FLOOR SINK	---	---	3	2	FLOOR SINK	FLOOR SINK: SMITH FIGURE 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED 1/2 GRATE AND ALUMINUM DOME BOTTOM STRAINER.
L-1	PUBLIC LAVATORY	1/2	1/2	1-1/2	1-1/2	WALL HUNG, VITREOUS CHINA, GOOSENECK FAUCET WITH WRISTBLADES	LAVATORY: K2030, GREENWICH, 20" X 18", VITREOUS CHINA, WITH FRONT OVERFLOW, 8" CENTERS, CHICAGO 786-GN2FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, GN2 5-1/4" RIGID/SWING GOOSENECK WITH PLAIN END SPOUT AND 0.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET. FLEXIBLE STAINLESS-STEEL SUPPLIES WITH 1/4 TURN ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEANOUT PLUG. SMITH 0700-Z CONCEALED ARMCHAIR CARRIER WITH FOOT SUPPORT. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.
L-2	PUBLIC LAVATORY	1/2	1/2	1-1/2	1-1/2	WALL HUNG, VITREOUS CHINA, GOOSENECK FAUCET WITH WRISTBLADES	LAVATORY: K2030, GREENWICH, 20" X 18", VITREOUS CHINA, WITH FRONT OVERFLOW, 8" CENTERS, CHICAGO 786-GN2FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, GN2 5-1/4" RIGID/SWING GOOSENECK WITH PLAIN END SPOUT AND 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET. FLEXIBLE STAINLESS-STEEL SUPPLIES WITH 1/4 TURN ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEANOUT PLUG. SMITH 0700-Z CONCEALED ARMCHAIR CARRIER WITH FOOT SUPPORT. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.
S-1	SINK	1/2	1/2	2	1-1/2	COUNTER MOUNTED, STAINLESS STEEL, WITH WRIST BLADES	SINK: ELKAY LRADQ151756PD 12" X 12" X 6-1/2" I.D. COUNTER MOUNT 18 GA. STAINLESS STEEL SINK WITH 3 HOLES ON 2" CENTER DRILLING COORDINATE WITH FAUCET. CHICAGO 895-317GN2AFCABCP FAUCET, WITH WRIST BLADE HANDLES, GN2FC RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT. FLEXIBLE STAINLESS-STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS. CAST BRASS P-TRAP WITH CLEAN OUT PLUG, AND ELKAY PERFECT GRID DRAIN LKPDVR18B OPEN-GRID STRAINER MOUNTED FLUSH WITH SINK BOTTOM.
S-2	SINK	1/2	1/2	2	1-1/2	COUNTER MOUNTED, STAINLESS STEEL, WITH WRIST BLADES	SINK: ELKAY LRADQ131665PD3 10" X 10" X 6-1/2" I.D. COUNTER MOUNT 18 GA. STAINLESS STEEL SINK WITH 3 HOLES ON 2" CENTER DRILLING COORDINATE WITH FAUCET. CHICAGO 895-317GN2AFCABCP FAUCET, WITH WRIST BLADE HANDLES, GN2FC RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT. FLEXIBLE STAINLESS-STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS. CAST BRASS P-TRAP WITH CLEAN OUT PLUG, AND ELKAY PERFECT GRID DRAIN LKPDVR18B OPEN-GRID STRAINER MOUNTED FLUSH WITH SINK BOTTOM.
S-3	KITCHEN SINK	1/2	1/2	2	1-1/2	COUNTER MOUNTED, STAINLESS STEEL, WITH WRIST BLADES	SINK: JUST USN-ADA-1618-A-GR 18 GA. TYPE 304 STAINLESS STEEL SINK, 14" X 16" X 6-1/2" DEEP BASIN, SELF RIMMING, WITH INTEGRA DRAIN AND 8" CENTERS DRILLING. CHICAGO 786-GN2FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, GN2FC 5-1/4" RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT. FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS. CAST BRASS P-TRAP WITH CLEAN OUT PLUG.
S-4	SINK	1/2	1/2	2	1-1/2	COUNTER MOUNTED, STAINLESS STEEL, WITH WRIST BLADES	SINK: JUST SLN-2019-A-GR 18 GA. TYPE 304 STAINLESS STEEL SINK, 14" X 16" X 7-1/2" DEEP BASIN, SELF RIMMING, WITH INTEGRA DRAIN AND 8" CENTERS DRILLING. CHICAGO 786-GN2FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, GN2FC 5-1/4" RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT. FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS. CAST BRASS P-TRAP WITH CLEAN OUT PLUG.
S-5	SINK	1/2	1/2	2	1-1/2	UNDERMOUNT, DOUBLE BASIN STAINLESS STEEL, WITH WRIST BLADES	SINK: JUST UODLX-2032-A-R 18 GA. TYPE 304 STAINLESS STEEL SINK, TWO COMPARTMENT SINK, INSIDE DIMENSION BOWL #1 18" X 14" X 10-1/2" DEEP BASIN. INSIDE DIMENSION BOWL #2 16" X 14" X 7-1/2" DEEP BASIN, UNDERMOUNT, 8" CENTERS DRILLING. PROVIDE TWO CHICAGO 786-GN8FCXKABCP FAUCET, WITH WRIST BLADE HANDLES, GN8FC 8" RIGID/SWING GOOSENECK SPOUT WITH 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT. FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS. CAST BRASS P-TRAP WITH CLEAN OUT PLUG, J-35 CUP STRAINERS.
WC-1	WATER CLOSET	1	---	4	2	FLOOR MOUNTED, MANUAL FLUSH VALVE, ADA	WATER CLOSET: KOHLER K-4368-L HIGHCLIFF ULTRA VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, 1-1/2" TOP SPUD, ADA TOILET WITH K-4670-C LUSTRA OPEN-FRONT SEAT. SLOAN ROYAL-111-1.28 GPF FLUSH VALVE; INSTALL ACTUATOR ON WIDE SIDE OF FIXTURE.
WO-1	WATER OUTLET	1/2	---	2	1-1/2	FLUSH MOUNTED IN WALL, WATER SUPPLY, DRAIN	ICE MACHINE CONNECTION: MWB-19 WASHING MACHINE OUTLET BOX DRAIN QUARTER TURN BALL VALVE WITH WATER ARRESTOR. INSTALL ONLY COLD WATER BALL VALVE. INSTALL BOTTOM OF BOX AT 3'-0" AFF. NOTCH BACKSPASH AS NECESSARY. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND DRAWINGS. PROVIDE WITH PVC TRAP.
WO-2	WATER OUTLET	1/2	---	---	---	FLUSH MOUNTED IN WALL, WATER SUPPLY, NO DRAIN	WATER OUTLET CONNECTION: MWB-19 WASHING MACHINE OUTLET BOX DRAIN QUARTER TURN BALL VALVE WITH WATER ARRESTOR. INSTALL ONLY COLD WATER BALL VALVE. INSTALL BOTTOM OF BOX AT 3'-0" AFF. NOTCH BACKSPASH AS NECESSARY. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND DRAWINGS.
WO-3	WATER OUTLET	3/4	3/4	2	1-1/2	FLUSH MOUNTED IN WALL, WATER SUPPLY, DRAIN	WASHER BOX: MWB-19 WASHING MACHINE OUTLET BOX DRAIN QUARTER TURN BALL VALVE WITH WATER ARRESTOR. INSTALL BOTTOM OF BOX AT 3'-0" AFF. NOTCH BACKSPASH AS NECESSARY. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND DRAWINGS. PROVIDE WITH PVC TRAP.

1. ALL BELOW GRADE PIPING SHALL BE 2" OR LARGER.

MEDICAL GAS OUTLETS SCHEDULE			
SY.	ROOM TYPE	# OF OUTLETS	PIPE DROP SIZE TO OUTLETS
MD-1	SEE PLANS	1	1/2

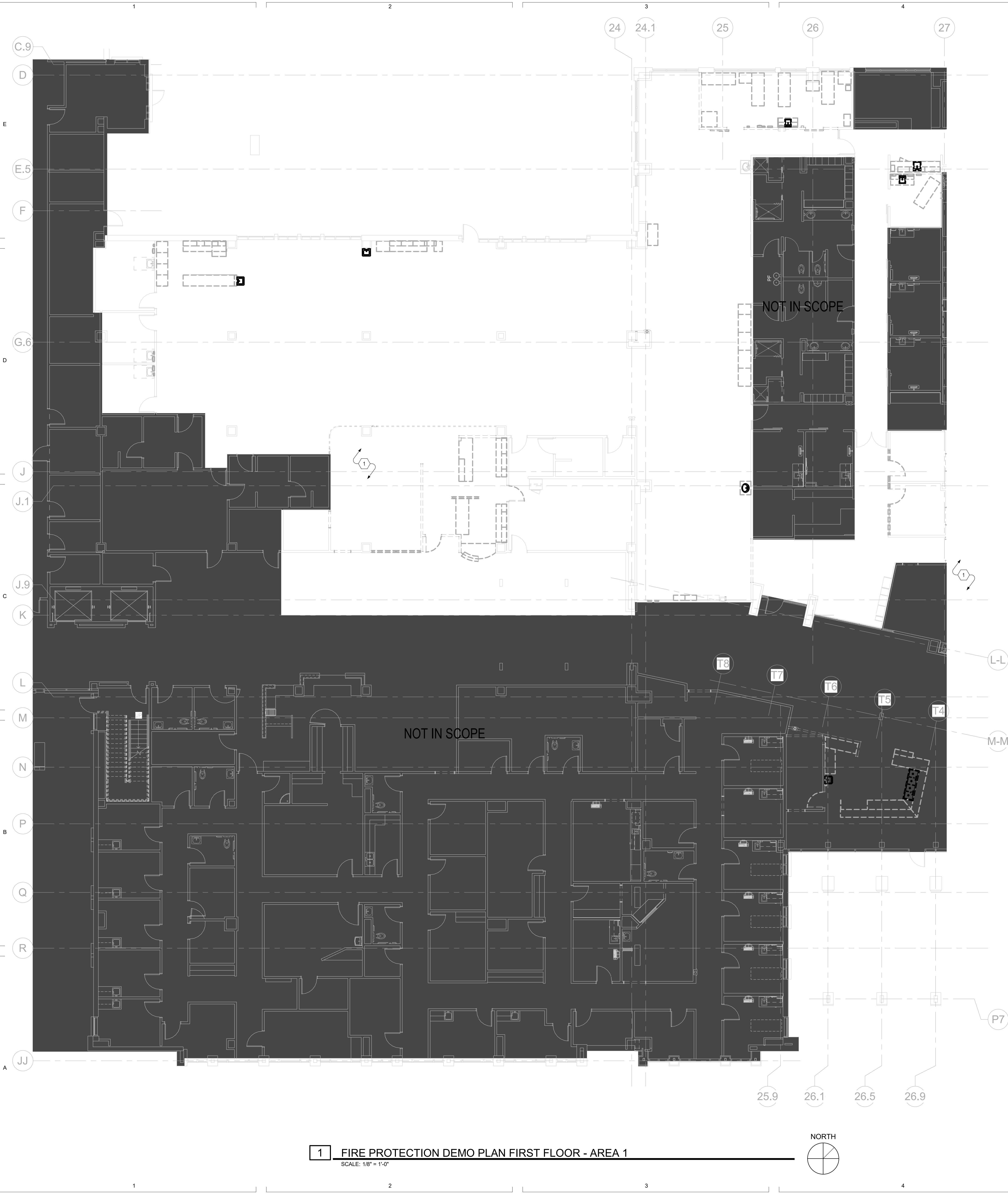
UNLESS NOTED OTHERWISE, ALL OUTLETS ARE ONE-METRON STYLE QUICK-CONNECTS.
REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT QUANTITIES, LOCATION, AND PLACEMENT OF OUTLETS.
1. PIPE DROP SIZES ARE FOR ONE SET OF OUTLETS
2. WALL MOUNTED OUTLETS

MEDICAL GAS VALVE SCHEDULE			
SYMBOL	AREA SERVED	PIPE SIZE (INCHES)	
		O2	REMARKS
MV-1	OPEN O2M	3/4	1

1. ALL VALVE BOXES TO COME WITH GAUGES

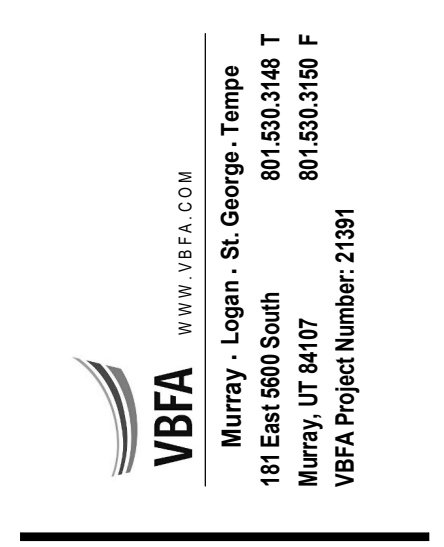
REV	DATE	DESCRIPTION
1	04/01/2022	Add #1
2	04/25/2022	Add #2
7	10/10/2022	PR 06
12	11/02/2022	PR 01
18	02/17/2023	PR 015

VCBO NUMBER: 20065
DATE: 08-04-2023



KEYED NOTES

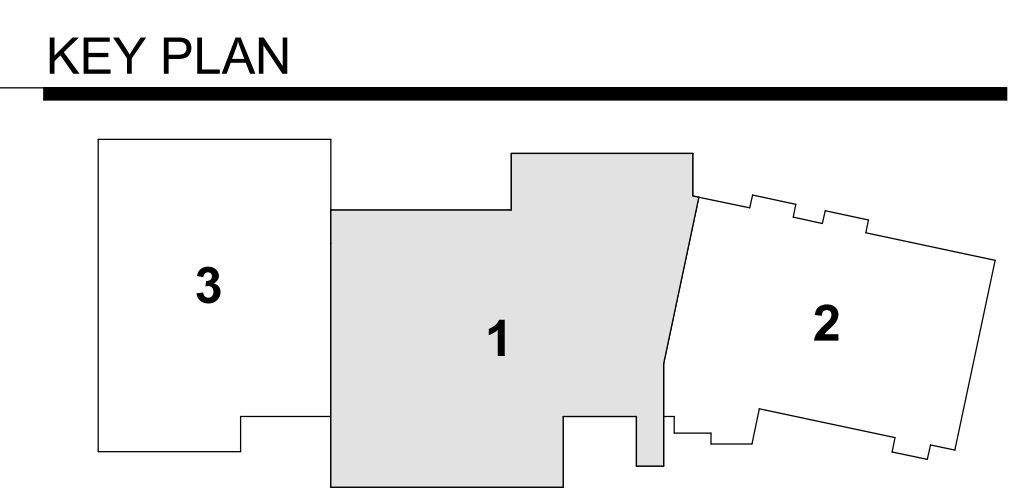
1. THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE, INCLUDING NEW FLOOR PLAN, CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS. MODIFY SPRINKLER PIPING AS REQUIRED. TYPICAL, REFER TO THE ARCHITECTURAL SHEETS FOR COMPLETE SCOPE OF THE PROJECT.



REV	DATE	DESCRIPTION

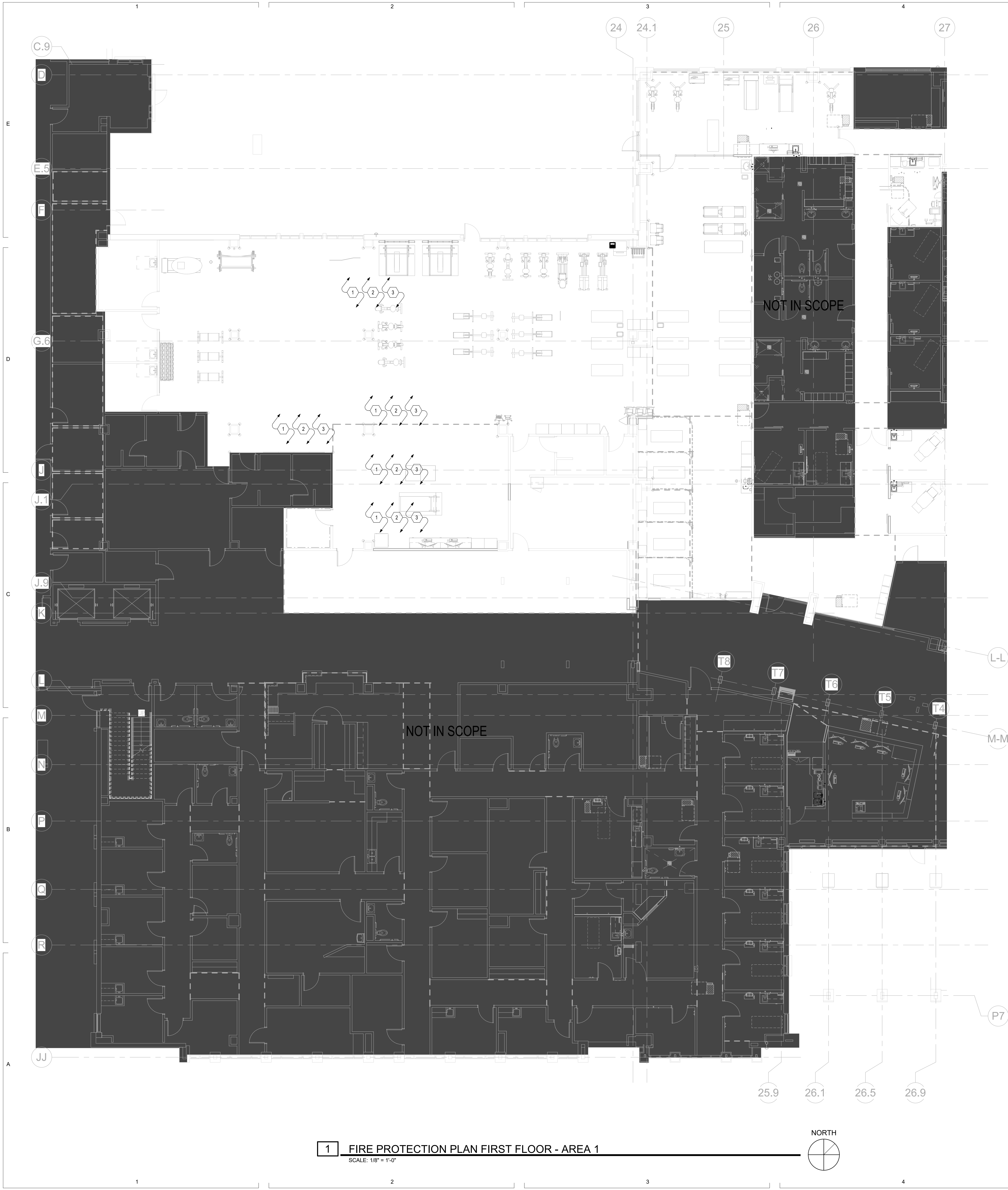
VCBO NUMBER: 20065
 DATE: 08-04-2023

1 FIRE PROTECTION DEMO PLAN FIRST FLOOR - AREA 1
 SCALE: 1/8" = 1'-0"



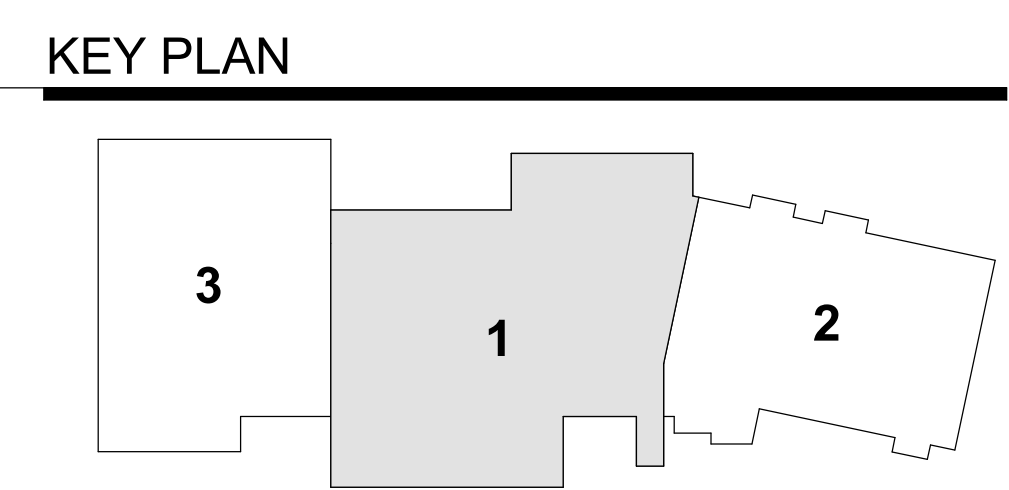
**INTERMOUNTAIN PARK CITY HOSPITAL -
 SPORTS PERFORMANCE CLINIC**
 INTERMOUNTAIN HEALTHCARE
 900 ROUND VALLEY DR., PARK CITY, UT 84060
 CONSTRUCTION DOCUMENTS

FIRE PROTECTION
 DEMOLITION PLAN
 FIRST FLOOR - AREA 1
 (PHASE 2)
FPD111.1-2



- KEYED NOTES**
1. THE FIRE SPRINKLER CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING FIRE SPRINKLERS. ADD/REPOSITION EXISTING SPRINKLER LOCATION WITH A NEW SPRINKLER HEAD AS NECESSARY FOR THE REMODELED SPACE, INCLUDING NEW FLOOR PLAN, CEILING PLAN AND CEILING HEIGHT ADJUSTMENTS. MODIFY SPRINKLER PIPING AS REQUIRED. TYPICAL. REFER TO THE ARCHITECTURAL SHEETS FOR COMPLETE SCOPE OF THE PROJECT.
 2. ALL SPRINKLERS IN THE REMODELED AREA ARE TO BE REPLACED WITH QUICK RESPONSE TYPE SPRINKLERS. REPLACEMENT SHALL EXTEND TO ALL WALLS OR SOFFIT BREAKS.
 3. FIRE SPRINKLERS SHALL BE INSTALLED TO MEET NFPA 13-2016 REQUIREMENTS, TYPICAL.

1 FIRE PROTECTION PLAN FIRST FLOOR - AREA 1
SCALE: 1/8" = 1'-0"



REV	DATE	DESCRIPTION

VCBO NUMBER: 20065
DATE: 08-04-2023