

- HVAC GENERAL NOTES**
- ALL EXISTING EQUIPMENT, PIPING, ETC BEING RE-USED SHALL BE INSPECTED AND LOCATED BEFORE AND AFTER DEMOLITION AND PRIOR TO ANY NEW CONSTRUCTION. DETAILS OF PERFORMANCE/CONDITION/SIZING AND LOCATION SHALL BE SUPPLIED TO THE ENGINEER AND OWNER. AIR CAPACITIES FOR ALL SUPPLY AND EXHAUST SYSTEMS SHALL BE MEASURED AT THE GRILLES TO DETERMINE IF DESIGN AIR FLOWS NOTED ON OUR PLANS CAN BE MET. ANY EXTRA WORK AND REQUIRED TO THE ABOVE MENTIONED SHALL BE DETERMINED PRIOR TO NEW CONSTRUCTION. CONTRACTOR TO ALLOW FOR THE INSPECTION IN HIS PRICE INCLUDING X-RAYING, AIR FLOW MEASUREMENT, SCANNING AND CAMERA SCOPE TO EXISTING BURIED DRAINS. NO EXTRAS WILL BE ALLOWED ONCE NEW CONSTRUCTIONS STARTS.
- ALL EQUIPMENT AND ASSOCIATED DUCTWORK/GRILLES IS NEW UNLESS OTHERWISE NOTED.
  - UNLESS NOTED ALL SUPPLY AIR GRILLES MOUNTED ON ROUND EXPOSED DUCTWORK SHALL BE POINTED DOWN AT A 45° ANGLE.
  - ALL COUNTER FLASHING OF DUCTS TO CURBS TO BE DONE BY THIS CONTRACTOR. CONTRACTOR SHALL HAND OVER CURBS TO GENERAL CONTRACTOR FOR INSTALLATION BY THEM. NEW DUCTS THROUGH ROOF SHALL BE C/W ROOF CURB. HEIGHT SHALL MATCH EXISTING AND/OR EQUIPMENT ROOF CURBS.
  - PAINTING OF EXPOSED DUCTWORK IS BY OTHERS.
  - FLEXIBLE BRANCH DUCTWORK TO BE MAXIMUM 10FT. IN LENGTH. FLEXIBLE SHALL NOT BE USED IN RESIDENTIAL.
  - UNDERCUT DOORS FOR ALL WASHROOMS.
  - REFER TO EQUIPMENTS SCHEDULE FOR ALL INITIAL DUCT DROP SIZES FOR SPECIFIED EQUIPMENT ON ROOF.
  - ALL INTERIOR EXPOSED OPEN ENDED DUCTS TO BE FINISHED OFF WITH WIRE MESH.
  - WHERE APPLICABLE ALL GOOSENECKS, OPEN ENDED DUCTS AND EXTERIOR LOUVRES TERMINATING TO THE EXTERIOR SHALL BE C/W 1/2"x1/2" GALVANIZED WIRE MESH BIRD SCREENS AND B/D/D OR MOTORIZED DAMPER WHERE SPECIED AND BE ACCESSIBLE FOR CLEANING.
  - ALL MOTORIZED DAMPERS ARE C/W END SWITCHES UNLESS NOTED.
  - ALL AIR HANDLERS ARE TO BE WIRED SO THAT THEY SHUT DOWN UPON ACTIVATION OF FIRE ALARM.
  - ALL EXTERIOR LOUVRES AND VENT OPENINGS MUST BE MIN. 24" ABOVE FINISHED GRADE. ADJUST OPENING LOCATIONS OR MODIFY GRADE AS REQUIRED.
  - ALL DUCTWORK SHALL CONFORM TO ASHRAE. ALL DUCTWORK SHALL AND PLENUMS SHALL BE CONSTRUCTED, INSTALLED AND SEALED AND PRESSURE TESTED AS DETAILED IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. CONTRACTOR TO SEAL DUCT WITH ZERO VOC DUCT SEALANT. WHERE DUCTWORK IS EXPOSED SEAL WITH CLEAR SILICONE.
  - RADIUS OF ELBOW SHALL BE AT LEAST 1.5 TIMES THE WIDTH OF THE DUCT. WHERE A RADIUS IS NOT POSSIBLE TURNING VANES MUST BE INTRODUCED.
  - MOUNTING HEIGHT OF GRILLES IN OPEN CEILINGS SHALL BE 10' A.F.F. (UNLESS OTHERWISE NOTED)

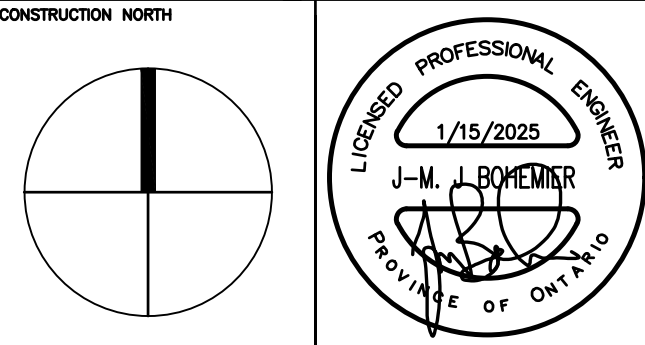
- KEYED NOTES**
- EXISTING PERIMETER HEATING INDUCTION UNIT IS EXISTING TO REMAIN
  - 18x16 TYPE 'L2' INTAKE LOUVRE
  - 18x16 TYPE 'L2' EXHAUST LOUVRE
  - CONDENSER TO BE INSTALLED IN PARKING GARAGE. EXACT LOCATION TO BE CONFIRMED/CO-ORDINATED
  - REFRIGERANT PIPING TO/FROM VRF DISTRIBUTION BOXES AT PARKING LEVELS. EXACT ROUTING/LOCATION OF VERTICAL CHASE TO BE CONFIRMED/COORDINATED. SIZE/REFRIGERANT LENGTHS TO BE AS PER MANUFACTURER'S REQUIREMENTS

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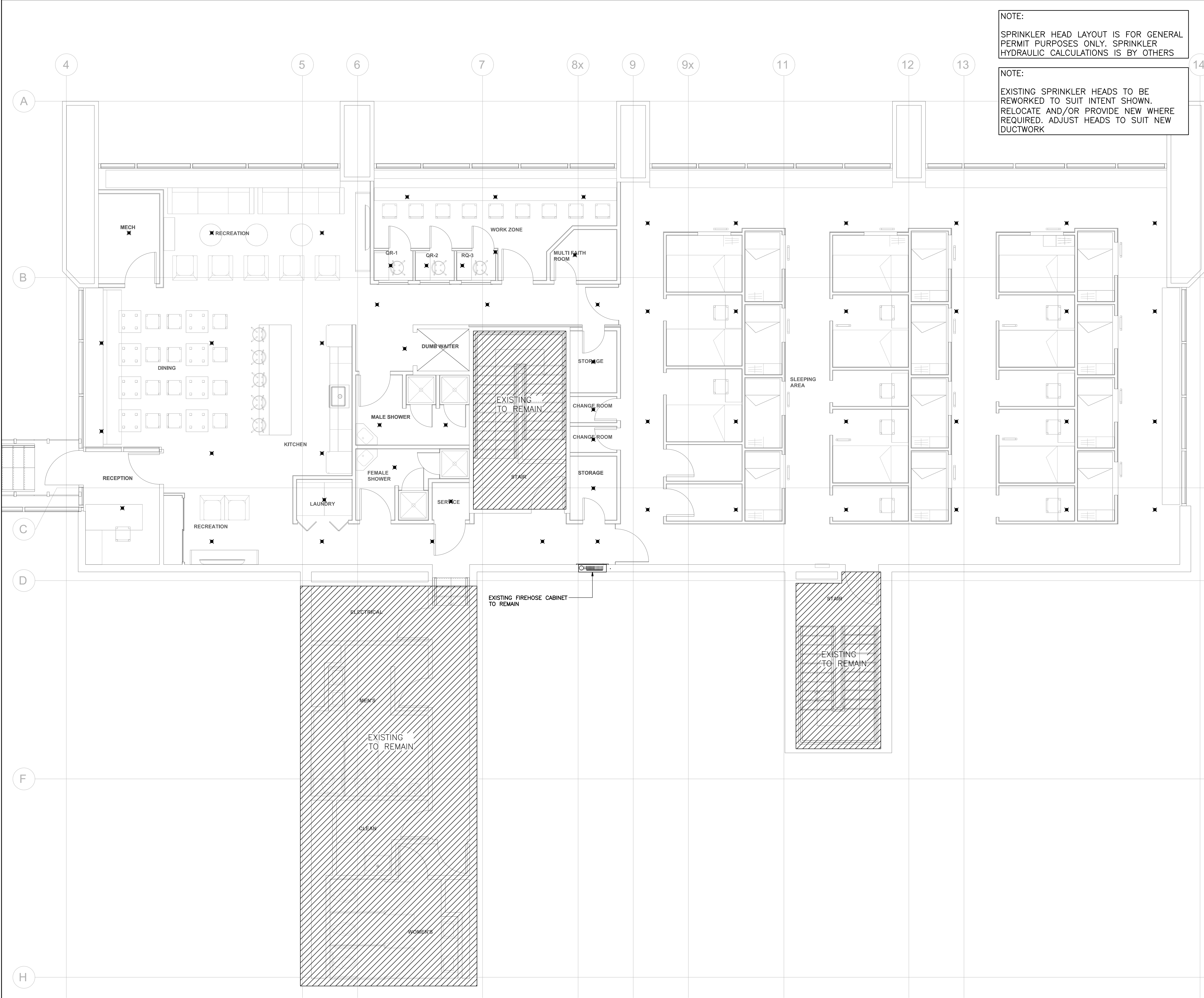
MECHANICAL

PLOT DATE PROJECT No.  
DRAWING TITLE 24-711

HVAC LAYOUT

DATE	2024	<b>M-1</b>
DRAWN BY	JW	
SCALE	1/4"=1'-0"	

OF 5



NOTE:  
SPRINKLER HEAD LAYOUT IS FOR GENERAL PERMIT PURPOSES ONLY. SPRINKLER HYDRAULIC CALCULATIONS IS BY OTHERS

NOTE:  
EXISTING SPRINKLER HEADS TO BE REWORKED TO SUIT INTENT SHOWN. RELOCATE AND/OR PROVIDE NEW WHERE REQUIRED. ADJUST HEADS TO SUIT NEW DUCTWORK

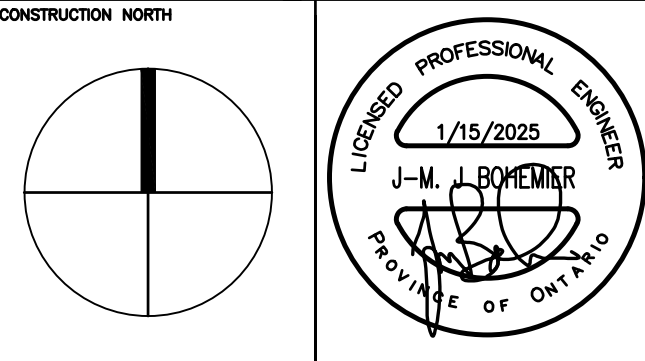
- FIRE PROTECTION NOTES**
1. INSTALL SPRINKLER AND STANDPIPE SYSTEMS TO LATEST N.F.P.A 13, N.F.P.A 14 AND LOCAL JURISDICTION STANDARDS RESPECTIVELY. MECHANICAL CONTRACTOR IS TO PROVIDE SPRINKLER ENGINEERED DRAWINGS AND HYDRAULIC CALCULATIONS BASED ON RECENT STREET WATER PRESSURES. CALCULATIONS SHALL BE APPROVED BY I.A.O. AND FIRE MARSHAL.
  2. REFER TO ARCH DRAWINGS FOR EXACT HEIGHT AND TYPE OF CEILINGS.
  3. ALL SIDEWALL AND PENDANT HEADS ARE TO BE APPROVED BY OWNER PRIOR TO ORDERING. WHERE FULLY RECESSED HEADS ARE SPECIFIED AND APPROVED A COLOUR SAMPLE MUST BE SUPPLIED TO OWNER ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
  4. PROVIDE 10LBS ABC FIRE EXTINGUISHERS C/W WALL BRACKETS AS REQUIRED BY LOCAL FIRE CODE.
  5. IN A SPACE WHERE THERE ARE FLOATING CEILINGS SPRINKLERS MUST BE PROVIDE FULL COVERAGE ABOVE AND BELOW FLOATING CEILINGS.
  6. SPRINKLER CONTRACTOR TO PROVIDE AS BUILT CONDITIONS TO ALL SPRINKLER WORK PRIOR TO FINAL REVIEW AND SIGN OFF.
  7. ALL PORTIONS OF WET SPRINKLER AND STANDPIPE SYSTEMS RUNNING THROUGH UNCONDITIONED SPACES ARE TO BE ELECTRICALLY TRACED AND INSULATED. REFER TO INSULATION AND HEAT TRACING SECTION IN SPECIFICATIONS FOR DETAIL.
  8. NO EXTRAS WILL BE ALLOWED AFTER TENDER UNLESS THE BUILDING DESIGN CHANGES AS PER OWNERS DIRECTIVE.
  9. SPRINKLER PIPING SHALL BE GRADED TO ALLOW DRAINAGE IN ACCORDANCE WITH N.F.P.A. 13 REQUIREMENT AND MAINTAIN MINIMUM HEADROOM CLEARANCE OF 7 FT.
  10. WHERE WET SYSTEMS SERVE AN UNHEATED AREA SIMILAR TO A VESTIBULE PROVIDE NON FREEZE TYPE HEADS. PROVIDE HIGH TEMP SPRINKLERS IN AREAS WHERE ROOM WHERE TEMPERATURE MAY BE ABOVE NORMAL DESIGN CONDITIONS OR NEAR SKYLIGHTS WHERE SUN MAY CAUSE HEAD TO DISCHARGE.
  11. SPRINKLER DRAWINGS NOTED IN THIS SUBMISSION ARE FOR GUIDELINES AND FOR GENERAL PERMIT PURPOSES ONLY. THEY DO NO REFLECT ALL PIPING AND/OR HEADS SLEEVES, DRUM DRIPS, FIRE STOPS, TEST CONNECTIONS ETC. CONTRACTOR TO PROVIDE COVERAGE TO THE APPROPRIATE HAZARD.
  12. WHERE APPLICABLE ALL FIRE HOSE CABINETS SHALL HAVE A SIGN STATING TO BE USED BY TRAINED PERSONNEL ONLY.
  13. IT IS IMPERATIVE THAT THIS CONTRACTOR REQUEST LATEST REFLECTIVE CEILING PLANS FROM GENERAL CONTRACTOR AND ENSURE THERE ARE NO CONFLICTS WITH LIGHTING OR CEILING DETAILS. WHERE THERE ARE CONFLICTS THIS CONTRACTOR TO INFORM GENERAL CONTRACTOR SO APPROPRIATE DESIGNERS CAN BE CONTACTED.
  14. THIS CONTRACTOR IS RESPONSIBLE FOR ALL SERVICES WITHIN BUILDING UP 3 FT OUTSIDE BUILDING OR TO CONNECTION POINTS SUPPLIED BY SITE SERVICING ENGINEER AND OR LANDSCAPE DESIGNER. REFER TO LATEST SITE SERVICING DRAWINGS FOR SIZE AND LOCATION OF INCOMING SERVICES CONNECTION POINTS. ALL SITE SERVICING INFO MUST BE VERIFIED AT SITE. CONTRACTOR TO REFER TO HEATING SCHEMATIC TO DETERMINE WORK BY THEM.

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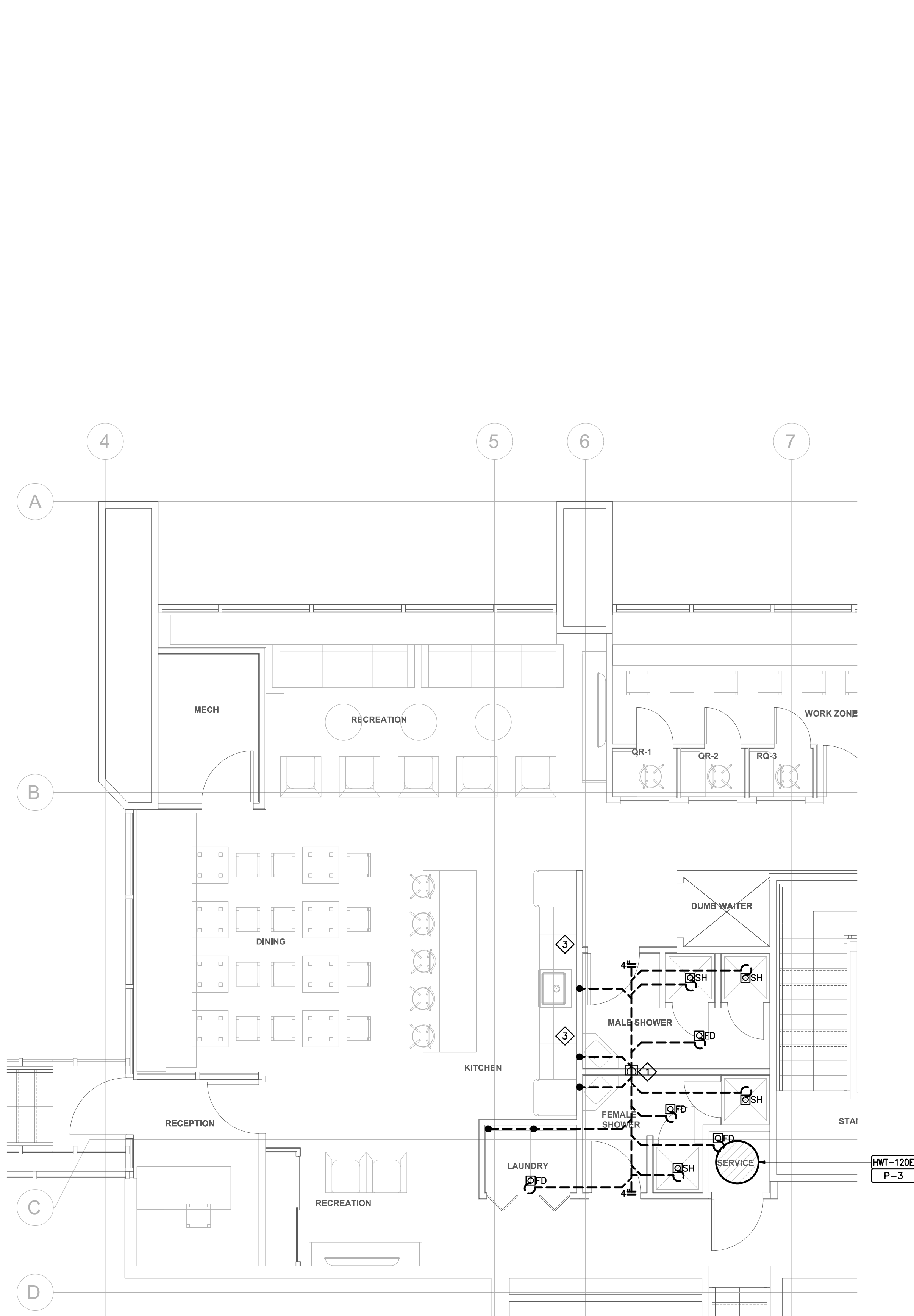
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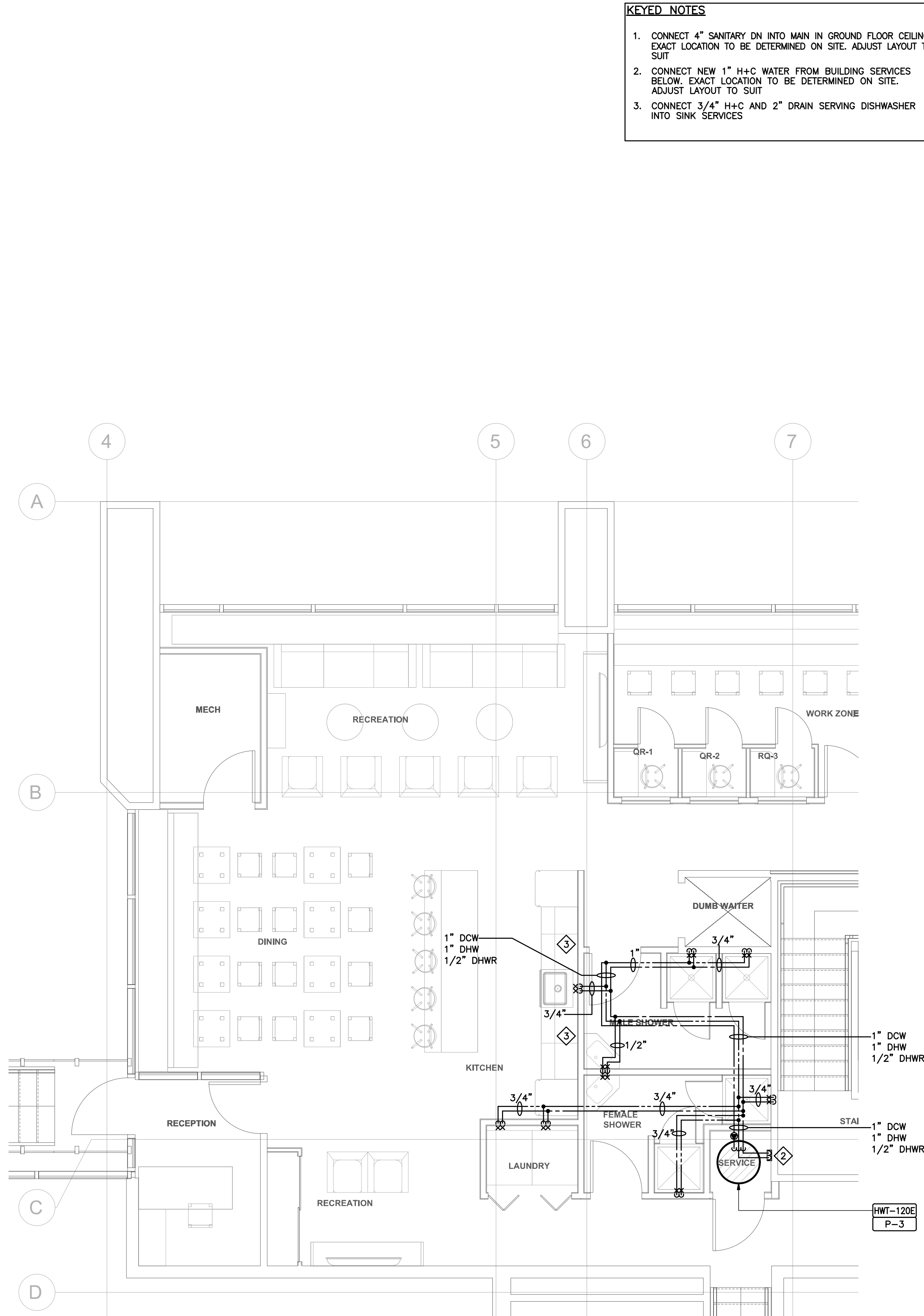
DRAWING TITLE

SPRINKLER HEAD LAYOUT

DATE 2024  
DRAWN BY JW  
SCALE 1/4"=1'-0" OF 5



DRAINAGE LAYOUT



PLUMBING LAYOUT

KEYED NOTES

1. CONNECT 4" SANITARY DN INTO MAIN IN GROUND FLOOR CEILING. EXACT LOCATION TO BE DETERMINED ON SITE. ADJUST LAYOUT TO SUIT
2. CONNECT NEW 1" H+C WATER FROM BUILDING SERVICES BELOW. EXACT LOCATION TO BE DETERMINED ON SITE. ADJUST LAYOUT TO SUIT
3. CONNECT 3/4" H+C AND 2" DRAIN SERVING DISHWASHER INTO SINK SERVICES

PLUMBING NOTES

- ALL EXISTING EQUIPMENT, PIPING, ETC BEING RE-USED SHALL BE INSPECTED AND LOCATED BEFORE AND AFTER DEMOLITION AND PRIOR TO ANY NEW CONSTRUCTION. DETAILS OF PERFORMANCE/CONDITION/SIZING AND LOCATION SHALL BE SUPPLIED TO THE ENGINEER AND OWNER. ANY EXTRA WORK AND REQUIRED TO THE ABOVE MENTIONED SHALL BE DETERMINED PRIOR TO NEW CONSTRUCTION. CONTRACTOR TO ALLOW FOR THE INSPECTION IN HIS PRICE INCLUDING X-RAYING, AIR FLOW MEASUREMENT, SCANNING AND CAMERA SCOPE TO EXISTING BURIED DRAINS. NO EXTRAS WILL BE ALLOWED ONCE NEW CONSTRUCTIONS STARTS.
1. ALL PLUMBING/DRAINAGE AND EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.
  2. PROVIDE WATER HAMMER ARRESTORS ON HOT AND COLD WATER SUPPLIES TO ALL QUICK VALVES, SOLENOIDS, AND PLUMBING FIXTURES. LOCATE IN AN UPRIGHT POSITION BETWEEN THE LAST TWO FIXTURES ON A LINE, OR HORIZONTALLY AT THE END OF LINE CLOSEST TO SUPPLY SOURCE. ON PROJECTS EXCEEDING FIVE STORES IN HEIGHT, PROVIDE WATER HAMMER ARRESTORS ON DOMESTIC WATER RISERS AS FOLLOWS. LOCATE ARRESTORS AT THE END OF RISER OPPOSITE SUPPLY SOURCE. ARRESTOR SHALL BE TWO PIPE SIZES LARGER THAN THE RISER IS AT THE CONNECTION POINT, NOT EXCEEDING THE LARGEST PIPE SIZE DIAMETER IN THE RISER WATER HAMMER ARRESTORS.
  3. ALL TRAPS SERVING FLOOR DRAINS SHALL BE PRIMED AND ALL TRAPS SEAL PRIMERS SHALL BE C/ B.F.P.
  4. PRIOR TO CONSTRUCTION CONTRACTOR SHALL INSPECT OR OBTAIN AS NECESSARY STATIC WATER PRESSURE AT BUILDING AND INFORM ENGINEER. AFTER CONSTRUCTION CONTRACTOR SHALL INSPECT STATIC WATER PRESSURE AT THE FURTHEST DOWNSTREAM FIXTURE.
  5. ALL BACK FLOW PREVENTORS SHALL BE INSTALLED AND TESTED AS PER B64.10-07 AND B64.10.1-07 STANDARDS. ALL INSTALLATION AND TESTING MUST BE LICENCED AS PER THE ABOVE MENTIONED STANDARD.
  6. UNLESS SPECIFIED ON THESE DRAWINGS ALL PLUMBING FIXTURES ARE TO BE SPECIFIED BY OTHERS. PLUMBER SHALL PURCHASE AND INSTALL THE FIXTURES AND ASSOCIATED FITTINGS TO FINAL CONNECTIONS. ALL ROUGH IN LOCATIONS AND INSTALLATION SHALL SUIT ARCHITECTURAL AND APPROVED FIXTURE SHOP DRAWINGS. PROVIDE PARTITION VALVE STOPS FOR ALL FIXTURES AND RISERS/WASHROOM GROUPINGS. (INSTALL PARTITION STOPS SO THEY LAND UNDERNEATH LAV'S AND OR BEHIND WATER CLOSETS). ALL EXPOSED DOMESTIC PIPING SHALL BE COPPER FOR FINAL CONNECTION.
  7. UNLESS SPECIFIED ON THESE DRAWINGS STEAM SHOWERS, WALK-IN COOLERS, WATER TREATMENT, SAUNA EQUIPMENT, DISHWASHERS, FRIGDES WASHERS, STEAM DRYERS ETC ARE TO BE SUPPLIED BY OTHERS. PLUMBER SHALL ROUGH-IN TO DRYWALL STAGE AND MAKE ALL FINAL CONNECTIONS. ALL ROUGH IN LOCATIONS AND REQUIRED P&D SHALL SUIT ARCHITECTURAL AND APPROVED FIXTURE SHOP DRAWINGS.
  8. PROVIDE ACCESSIBLE ISOLATION VALVES FOR EACH FIXTURE AND EACH PIECE OF EQUIPMENT.
  9. PLUMBER TO PIPE DRAINS AS REQUIRED FOR ALL AIR HANDLERS, WALK-IN COOLERS, BACKFLOW PREVENTORS, HRV UNITS, BOILERS, STEAM HUMIDIFIERS, HOT WATER TANK, COILS ETC TO NEAREST HUB DRAIN AS PER MANUFACTURERS RECOMMENDATIONS. REVIEW HVAC/P&D DRAWINGS/SCHEMATICS FOR EQUIPMENT LOCATIONS, DRAIN REQUIREMENTS AND PROVIDE HUB DRAIN AS REQUIRED. EXACT LOCATION TO BE CO-ORDINATED AT SITE WITH APPLICABLE TRADES.
  10. CONTRACTOR TO ALLOW FOR BACK WATER VALVES ON LEAVING DRAINS. THIS SHALL BE DISCUSSED AS IT PERTAINS TO LOCAL JURISDICTION PRIOR TO BACK FILLING AND POURING OF FLOOR.
  11. THIS CONTRACTOR IS RESPONSIBLE FOR ALL PLUMBING SERVICES WITHIN BUILDING UP 3 FT OUTSIDE BUILDING OR TO CONNECTION POINTS SUPPLIED BY SITE SERVING ENGINEER AND OR LANDSCAPE DESIGNER. REFER TO LATEST SITE SERVING DRAWINGS FOR SIZE AND LOCATION OF INCOMING SERVICES CONNECTION POINTS. ALL SITE SERVING INFO MUST BE VERIFIED AT SITE. CONTRACTOR TO REFER TO HEATING SCHEMATIC TO DETERMINE WORK BY THEM.
  12. ALL PLUMBING SHALL RUN ON THE WARM SIDE OF AN INSULATED WALL/CEILING/FLOOR. WHERE PLUMBING ISN'T ADEQUATELY PROTECTED ENGINEER SHALL BE CONTACTED.

PLUMBING VENTING NOTES

1. ALL VENTING TO TERMINATE WITH 3" VENT THRU ROOF.
2. CONTRACTOR TO CONNECT ALL NEW VENTING INTO EXISTING AND/OR PROVIDE NEW VENTING AS REQUIRED.
3. VENT TERMINATION THRU ROOF SHALL BE A MIN. 10FT FROM FRESH AIR OPENINGS.

GENERAL PLUMBING FIXTURE SIZING NOTES

1. REFER TO PLAN FOR COMBINED FIXTURE AND MAIN SIZING. PLUMBER SHALL REVIEW ALL SCHEMATICS/EQUIPMENT SCHEDULES FOR WORK NOT DETAILED ON FLOOR PLANS. REFER TO BELOW FOR INDIVIDUAL FIXTURE PLUMBING SIZES.
2. THE BELOW SCHEDULE IS A GENERAL SCHEDULE AND FIXTURES ONLY APPLY WHERE TAGGED ON PLANS:
  - MISC SINKS (S)  
2" DRAIN, 1-1/2" VENT, 1/2" H&C.W
  - WASHING MACHINE (WA) LAUNDRY TUB (LT), KITCHEN SINK (KS), DISHWASHER (DW)  
2" DRAIN, 1-1/2" VENT, 3/4" H&C.W. PROVIDE F.D UNDER ALL WASHING MACHINES LOCATED ABOVE GRADE AND PROVIDE LAUNDRY P&D BOX FOR WASHING MACHINE EQUAL TO GATEY TO SUIT STUD WALL. INSTALL FOR EASY ACCESS
  - JANITORS SINK (JS)  
3" DRAIN, 1-1/2" VENT, 3/4" H&C.W
  - SHOWERS (SH)  
2" DRAIN, 1-1/2" VENT, 3/4" H&C.W.
  - FLOOR, HUB, FUNNEL FLOOR DRAINS (FD),(HD),(FFD)  
2" ABOVE GRADE, 3" BURIED

DRAINAGE SLOPES

UNLESS NOTED ALL DRAINS SLOPES ARE AS FOLLOWS:

- 3" AND UNDER SHALL RUN AT 2.0% SLOPE
- 4" TO 6" SHALL RUN AT 1.0% SLOPE
- 8" AND UP SHALL BE NOTED ON PLANS

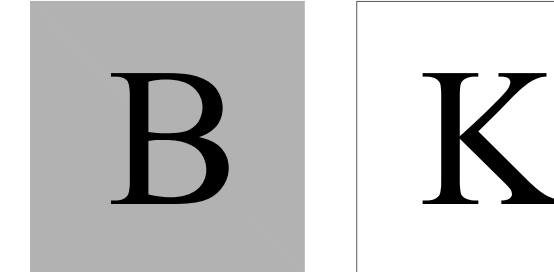
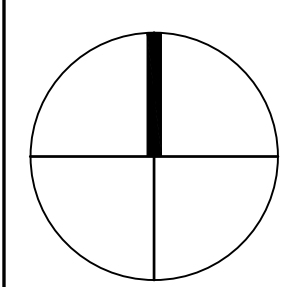
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CONSTRUCTION NORTH



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MECHANICAL

PLOT DATE PROJECT No.  
24-711

DRAWING TITLE

PLUMBING & DRAINAGE  
LAYOUTS

DATE	2024	M-3
DRAWN BY	JW	
SCALE	1/4"=1'-0"	

OF 5

VRF - SCHEDULE										
MARK	MANUFACTURER	MODEL	SUPPLY AIR FAN DATA (VARIABLE SPEED)		HEATING OUTPUT	NOMINAL COOLING DATA		ELECTRICAL DATA		
			CFM	E.S.P.		TYPE	TOTAL	VOLTAGE	MOP	MCA
VRF-3.5T	MITSUBISHI	PEFY-48	2000	5"	54,000	DX	484HP	208/1160	15	4.38
- PROVIDE EXTERNAL HEATER INTERFACE FOR ALL INDOOR UNITS. SUPPLY/INSTALL ALL CONTROL WIRING FOR CONNECTING PERIMETER BASEBOARD HEATERS TO INTERFACE - MANUFACTURER TO PROVIDE DETAILED SELECTIONS AND CONFIRM ALL COMBINATION/CAPACITIES OF OUTDOOR UNITS - SUPPLY/INSTALL CENTRAL CONTROLLER AE-200A. SUPPLY/INSTALL MANUFACTURER SUPPLIED MOUNTING STANDS FOR ALL OUTDOOR UNITS. - R410A REFRIGERANT. PROVIDE 12" PRE-MANUFACTURED EQUIPMENT STAND TO LIFT ALL VERTICAL AIR HANDLERS OFF FLOOR. - MANUFACTURER TO CONFIRM THE REFRIGERANT PIPING LENGTH AND CONFIRM SIZES - FLEXIBLE CONNECTIONS - VIBRATION ISOLATORS - PIPE COND. TO NEAREST HWY DRAIN C/W AIR GAP. CONDENSATE PUMPS TO BE PROVIDED FOR ALL BRANCH CONTROLLER UNITS BC-01 THROUGH BC-10										

OUTDOOR VRF SCHEDULE											
MARK	MANUFACTURER	MODEL #	EER	HEATING DATA		COOLING DATA		ELECTRICAL DATA			MAX CURB WEIGHT(LBS)
				EAT (°F)	CAPACITY (MBH)	EAT (°F)	CAPACITY (MBH)	VOLTAGE	MCA	MOCP	
COND-1.2	MITSUBISHI	PURY-E[IP144]NUA_1	14.1	-4	160	80.2	144	208/3/60	52	80	646
- SEE MANUFACTURER'S SUBMITTAL FOR COMPLETE DETAILS.											

HEAT RECOVERY VENTILATORS SCHEDULE											
TAG NO.	LOCATION	MANUFACTURER	MODEL NO	AIRFLOW	E.S.P	SIZE(IN) LXWXH	VOLTAGE	BLOW HP	FAN WATTS	BLOW NO.	WEIGHT
ERV-730	-	LIFEBREATH	730 ERV	700CFM	0.5 IN W.C.	35x29x32	120/1/60	1/4	1080	2	310 LBS
-	UNLESS NOTED ON PLANS ALL HRV UNITS ARE TO BE : FLEXIBLE CONNECTIONS, C/W 20/40/60 TIMERS IN EACH ROOM BEING EXHAUSTED FROM THE ASSOCIATED HRV UNIT, INSULATED CASE (TO PREVEN CONDENSATION IN NON VENTILATED AREAS).										
-	VIBRATION ISOLATORS. EXACT LOCATION OF TERMINATION TO BE CO-ORDINATED WITH ARCHITECT.										
-	PROVIDE B/D/D AND B/SCREEN. UNLESS NOTED ON PLANS TERMINATIONS THRU WALL SHALL BE A L2 L/OU/RE TYPE , TERMINATIONS THRU ROOF SHALL BE A ROOF CAP OR RV-EX/H ROOF VENTILATOR TYPE AS NOTED ON PLANS AND IN SPEC BELOW.										
-	BOXES AND ATTENUATORS TO BE C/W 1" ACOUSTIC LINING.BOXES TO BE C/W 35.5" LONG INTEGRAL SOUND ATTENUATOR.										
-	PIPE COND. TO NEAREST HUBDRAIN C/W AIR GAP										

COMMERCIAL ELECTRIC HOT WATER TANK SCHEDULE									
MARK	MANUFACTURER	MODEL #	CAPACITY	HEATER	RECOVERY @ 100°F	VOLTAGE	DIAMETER	HEIGHT	WEIGHT(LBS)
HW1T-120E	A.O.SMITH	DRE-120	119 US GALLONS	9 KW	37 GPH	208/240V	30"D	63"	380 LBS
* C/W HEAT TRAP, VENTING AND TERMINATION KIT (AS PER MANUFACTURERS RECOMMENDATIONS), PIPE RELIEF TO NEAREST FLOOR DRAIN, PROVIDE OVERSIZED DRAIN PAN PIPED TO FLOOR DRAIN, PROVIDE ANGLE IRON AND MOUNTING PLAT-FORM FOR CEILING MOUNTING TANKS AS REQUIRED.									

PUMP SCHEDULE									
TAG NO.	MAKE	MODEL #	FLOW RATE (GPM)	HEAD (FT.)	VOLTAGE	POWER	AMPS	LOCATION	NOTES
P-3	GRUNDFOS	UP-15-42B7	0-17	0-15	120/1/60	1/25 HP	0.74	HOT WATER LOOP	CW AQUASTAT AND TIMER
- ALL PUMPS ARE TO BE C/W ISOLATION VALVE AND CHECK VALVES.									

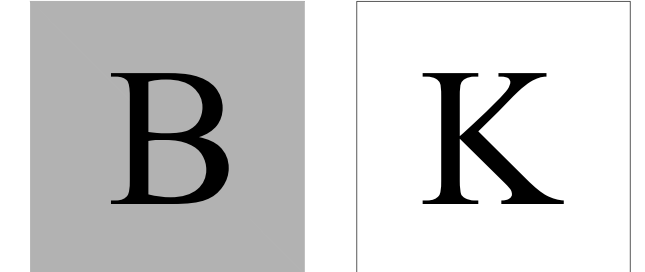


- ## HRV – SCHEMATIC

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## MECHANICAL

PLOT DATE	PROJECT No. 24-711
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**DRAWING TITLE**

## EQUIPMENTS SCHEDULES & DETAILS

DATE \_\_\_\_\_

DRAWN BY:

SCALE

11

M-4

OF 5





