

GENERAL NOTES (INSTALLATION)	
1. ALL HOLES CREATED IN CEILING, PARTITIONS, ETC. AS A RESULT OF DEMOLITION SHALL BE PATCHED BACK TO MAINTAIN THE EXISTING FIRE AND SMOKE INTEGRITY. 2. SLEEVE AND FIRE STOP PENETRATIONS OF RATED WALLS, FLOORS, CEILINGS AND ROOFS. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS. 3. ALL HORIZONTAL SANITARY PIPING SHALL SLOPE AT ¼" PER FOOT MINIMUM FOR 3" AND LARGER AND AT ½" SLOPE FOR 2 ½" PIPES AND SMALLER. UNLESS OTHERWISE STATED. 4. DISTANCE OF TRAP FROM VENT. EACH FIXTURE SHALL HAVE A PROTECTING VENT LOCATED SO THAT THE SLOPE AND THE DEVELOPED LENGTH IN THE FIXTURE DRAIN FROM THE TRAP WEIR TO THE VENT FITTING ARE WITHIN THE REQUIREMENTS SET IN TABLE 909.1 (FBC-PLUMBING). 5. THERE SHALL BE NO LENGTH GREATER THAN 2' FROM THE VENT CONNECTION FOR ANY FUTURE DRAIN OUTLETS. 6. EVERY DRY VENT CONNECTING TO A HORIZONTAL DRAIN SHALL CONNECT ABOVE THE CENTERLINE OF THE HORIZONTAL PIPE. FBC 905.3. 7. WHERE CONNECTION TIES INTO HORIZONTAL SANITARY STACK THE CONNECTION SHALL BE A MINIMUM OF 10X THE STACK DIAMETER DOWNSTREAM OF THE VERTICAL TO HORIZONTAL TRANSITION. UNLESS OTHERWISE STATED. 8. SANITARY TEE CAN BE USED ONLY IN THE VERTICAL POSITION. TEE-WYE CAN BE USED FOR HORIZONTAL POSITION AND VENTING ONLY. DO NOT USE QUARTER BEND HEEL OR SIDE FITTINGS WHEN CONNECTING TO A WATER CLOSET AS PER FPC 706.4. 9. SHORT TURN FITTINGS SHOULD NEVER BE INSTALLED ON HORIZONTAL PIPING, BUT MAY BE USED VERTICALLY WHEN TRANSFERRING TO A HORIZONTAL. 10. SANITARY WASTE AND VENT PIPING SHALL BE INSTALLED w/NO-HUB JOINTS. 14. SLEEVING: PIPES PASSING THROUGH CONCRETE, CINDER OR OTHER CORROSIVE MATERIAL SHALL BE PROTECTED AGAINST EXTERNAL CORROSION BY A PROTECTIVE SHEATHING OR WRAPPING AS PER THE FBC 305.1. 15. SLEEVING: ANY PIPE PASSING THROUGH OR UNDER A FOUNDATION WALL OR FOOTER SHALL BE PROVIDED WITH A WITH A PIPE SLEEVE TWO PIPE SIZES GREATER THAN THE UTILITY PIPE PASSING THROUGH. 16. CONTRACTOR TO PROVIDE SHUT-OFF VALVES ON ALL HOT AND COLD WATER LINES AT CONNECTION TO MAIN LINES. 17. UNDER GROUND WATER PIPING SHALL BE 5' MINIMUM AWAY FROM SANITARY PIPING. WHERE WATER LINE AND SANITARY LINE CROSS, WATER SHALL BE INSTALLED MINIMUM OF 12" ABOVE SANITARY AND SHALL BE EITHER SCHEDULE 40 PVC OR DOUBLE WALLED PIPING. 18. CONTRACTOR SHALL CONDUCT WATER AND WASTE TO EQUIPMENT FURNISHED BY OTHERS AS INDICATED ON DRAWINGS. ALL FIXTURES TO BE PROTECTED AGAINST WATER HAMMER BY SHOCK ARRESTERS. 19. ALL PIPING BEING INSTALLED WITHIN A PLENUM/WALLS/CHASE OR OPENING THAT IS EXPOSED TO PLENUM ARE TO BE PLENUM RATED. IN THE EVENT THAT THERE IS EXISTING PIPING WITHIN A PLENUM CONTRACTOR SHALL FIRE WRAP OR USE OTHER MEANS TO MAKE THE PIPING PLENUM RATED. FIRE CAULK AT PIPING PENETRATIONS SHALL ALSO BE PROVIDED TO MAINTAIN PLENUM RATING. 20. SLEEVE ALL SOFT COPPER PENETRATIONS THROUGH RATED PENETRATIONS AND FIRESTOP. 21. NO PIPING OVER ELECTRICAL EQUIPMENT. ENGINEER SHALL BE IMMEDIATELY NOTIFIED IF THIS OCCURS. 22. PROVIDE ACCESS PANELS TO ALL VALVES, HAMMER ARRESTORS AND STUDOR VENTS LOCATED WITHIN CHASES OR NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES. 23. COMPATIBLE UNLEADED SOLDER AND DIELECTRIC FITTINGS AS REQUIRED. DIELECTRIC FITTINGS TO BE PROVIDED AT CONNECTIONS BETWEEN TWO DIFFERENT TYPES OF METAL PIPING. 24. FIXTURES SHALL BE COMPLETE WITH DRAINS, TRAPS, ¾ TURN VALVES, BRAIDED SUPPLY HOSE AND ANY OTHER ACCESSORY REQUIRED. 25. COLD OR TEMPERED WATER (85-140degF) SHALL BE DELIVERED FROM LAVATORIES AND GROUP WASH FIXTURES LOCATED IN PUBLIC TOILET FACILITIES PROVIDED FOR CUSTOMERS, PATRONS AND VISITORS. IF TEMPERED WATER IS DELIVERED IT SHALL BE THROUGH AN APPROVED WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B125.3. FPC (2023) 419.5. 26. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE FBC (PLUMBING). 27. EXTERIOR CLEAN OUTS SHALL BE MARKED AND TERMINATED UP TO GRADE. COVER SHALL BE INCLUDED. 28. PROVIDE TRAP PRIMER CONNECTION TO ALL FLOOR DRAINS. 29. CONTRACTOR SHALL PROVIDE NEW VALVES FOR EXISTING VALVES THAT ARE NOT CLOSING WHEN CONNECTING TO EXISTING PIPING IN BID. 30. CONTRACTOR SHALL PROVIDE STOP VALVES BEFORE ALL OPERATING HANDLES AND FAUCETS, WHERE REQUIRED. 31. INSULATION: HOT WATER AND HOT WATER RETURN PIPING SHALL BE INSTALLED WITH 1" MIN. (FBC-ENERGY TABLE C403.2.10) THICK FIBERGLASS INSULATION WITH VAPOR BARRIER JACKET, FLAME SPREAD OF 25 OR LESS, SMOKE DEVELOPED RATING OF LESS THAN 50, OWENS CORNING OR APPROVED EQUAL. 32. INSULATION: ALL STORM WATER HORIZONTAL PIPING, OFFSETS AND ROOF DRAIN BODIES THAT ARE INSTALLED WITHIN CONDITIONED SPACES (ABOVE CEILING INCLUDED) SHALL BE INSULATED TO PREVENT CONDENSATION. 1" MINIMUM THICKNESS CLOSED CELL INSULATION. 33. LABELING: WHEN PIPING IS EXPOSED, CONTRACTOR SHALL PROVIDE PIPE LABELING EVERY 10'-0". 34. LABELING: IDENTIFY EACH VALVE OR CONTROL DEVICE WITH A PERMANENT, ENGRAVED, BRASS OR PLASTIC VALVE TAG. FOR PLASTIC NAMEPLATE ENGRAVE WITH HIGH WHITE CHARACTERS ON A BLACK OR BLUE BACKGROUND. HANG NAMEPLATES FROM VALVE.	
GENERAL NOTES (MATERIAL)	
1. PIPING MATERIALS: a. SANITARY, DRAINAGE, WASTE, AND VENT: a.a. UNDER GRADE: SCH. 40 PVC SOLID WALL (MIN.). FOAM CORE AND GREEN "3034" PVC PIPE WILL NOT BE ACCEPTED. a.b. ABOVE GRADE: SCH. 40 CAST IRON (MIN.) HUB-LESS CONNECTION; FOR SPECIAL APPLICATIONS SCH. 40 PVC SOLID WALL (MIN.) CAN BE APPROVED IF REQUESTED AND REQUIRED BUT WILL NOT BE ALLOWED FOR INSTALLATION IN PLENUM SPACE. b. DOMESTIC WATER PIPING: b.a. UNDER GRADE: COPPER PIPE, TYPE "K" WITH BRAZED JOINTS AND FITTINGS. b.b. ABOVE GRADE: COPPER PIPE, TYPE "L" WITH BRAZED, SOLDERED OR PRESS-FIT JOINTS AND FITTINGS. TYPE "L" WITH BRAZED, SOLDERED OR PRESS-FIT JOINTS AND FITTINGS IN CONCEALED SPACES. ISOLATE PIPING FROM CONCRETE WITH INSULATING MATERIAL. b.c. PROVIDE BALL TYPE SHUT OFF VALVES AT MAIN SUPPLY. b.d. PROVIDE ¾ TURN BALL VALVES AT FIXTURES. b.e. PROVIDE TYPE "K" PIPING FOR METER TO MAIN SOV WHETHER ABOVE OR BELOW GROUND. c. DOMESTIC HOT WATER PIPING: c.a. UNDER GRADE: COPPER PIPE, TYPE "K" WITH BRAZED JOINTS AND FITTINGS. PROVIDE IN PRE-INSULATED PIPING. c.b. ABOVE GRADE: COPPER PIPE, TYPE "L" WITH BRAZED, SOLDERED OR PRESS-FIT JOINTS AND FITTINGS. TYPE "L" WITH BRAZED, SOLDERED OR PRESS-FIT JOINTS AND FITTINGS IN CONCEALED SPACES. ISOLATE PIPING FROM DIRECT CONTACT WITH CONCRETE AND INSULATING MATERIAL FOR HOT WATER AND HOT WATER RETURN PIPING. c.c. PROVIDE BALL TYPE SHUT OFF VALVES AT MAIN SUPPLY. c.d. PROVIDE ¾ TURN BALL VALVES AT FIXTURES d. DOMESTIC WATER PIPING SYSTEM: d.a. PROVIDE WATER HAMMER ARRESTERS ON DISTRIBUTION PIPING. d.b. PROVIDE INSULATION ON HOT WATER AND HOT WATER RETURN PIPING PER FBC (ENERGY) TABLE C403.2.10 AND R403.5.3. FIBERGLASS, ARMAFLEX OR CLOSED CELL INSULATION (DEPENDING ON LOCATION), WITH SELF SEALING JACKET. e. CONDENSATE PIPE: e.a. COPPER TYPE "DWV OR M" ABOVE SLAB ON GRADE. SCH. 40 PVC MAY BE USED WHEN NOT BEING INSTALLED IN A PLENUM. e.b. INSULATE PIPING WITH ½" (MIN.) ELASTOMERIC SELF SEALING JACKET INSULATION. f. GENERAL PIPING REQUIREMENTS: f.a. PIPING IN PLENUMS SHALL BE CAST IRON OR FIRE RATED. f.b. PIPES SHALL BE INSTALLED IN ACCORDANCE WITH FLORIDA BUILDING CODE, LOCAL CODES/STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS. f.c. PREVENT FOREIGN MATTER FROM ENTERING PIPE DURING AND AFTER INSTALLING PIPE. PLUG END OF PIPES FOR OVERNIGHT OR EXTENDED PERIODS. f.d. SHARKBITE PIPING AND FITTINGS SHALL NOT BE INSTALLED ON PROJECT. g. FUEL/GAS PIPING: g.a. METALLIC GAS PIPING SHALL BE PAINTED WITH YELLOW RUST INHIBITOR PAINT WHEN PIPING IS EXPOSED TO THE ELEMENTS. g.b. POLYETHYLENE UNDERGROUND PIPING SHALL HAVE BURIAL TAPE & WIRE INSTALLED ABOVE PIPING. 3. VALVES: DOMESTIC WATER VALVES SHALL BE OF BRONZE BODY, SWEAT ENDS. 4. HOT WATER HEATER: a. WATER HEATERS MUST MEET FLORIDA ENERGY CONSERVATION CODE MINIMUM EFFICIENCIES. b. ALL WATER HEATERS SHALL MEET THE STANDARDS OF THE LATEST ENERGY EFFICIENCY CODE. c. INSTALL HOT WATER DRAIN PAN TO SANITARY OR EXTERIOR OF BUILDING PER FPC SECTION 504.	

GENERAL NOTES (ADMINISTRATIVE)	
1. THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES IN EFFECT : N.E.P.A., FBC, ALL LOCAL CODES, RULES AND ORDINANCES INCLUDING ALL AMENDMENTS. 2. REFER TO ALL DRAWINGS FOR COORDINATION OF THE PLUMBING WORK. THEY ARE DIAGRAMMATIC IN NATURE. DO NOT SCALE. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT DIMENSIONED LOCATION OF EQUIPMENT AND CONFIRM WITH OWNER'S REPRESENTATIVE AND/OR ARCHITECT ALSO USING THE MANUFACTURER'S REQUIREMENTS. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER TRADES PLANS. THE FOLLOWING DRAWINGS ARE TO BE CONSIDERED ONE PART OF A SET OF DOCUMENTS. 3. ALL EXISTING LOCATIONS ARE TAKEN FROM EXISTING DRAWINGS AND KNOWN FIELD CONDITIONS. IT SHALL BE WITHIN THE CONTRACTOR'S SCOPE OF WORK TO VERIFY FIELD DIMENSIONS OF EXISTING EQUIPMENT OR SYSTEMS PRIOR TO DEMOLITION OR FABRICATION OF NEW WORK WHICH IS TO BE CONNECTED TO THE EXISTING. CONTRACTOR SHALL MAKE OFFSETS AS REQUIRED IN NEW AND/OR EXISTING PIPING AND CONDUIT TO ACCOMMODATE THE NEW WORK. 4. REFER TO ARCHITECTURAL DRAWINGS FOR FUTURE LOCATIONS AND MOUNTING HEIGHTS. 5. CONTRACTOR TO FIELD VERIFY EXACT SIZES AND LOCATIONS OF EXISTING PIPING WITHIN AREAS OF SCOPE PRIOR TO CONSTRUCTION, ANY PIPING WHICH MUST REMAIN AS PART OF AN ACTIVE SYSTEM AND IS IN CONFLICT WITH THE NEW LAYOUT, NEW LAYOUT SHALL BE RELOCATED AT NO ADDITIONAL COST OVER THE CONTRACT AMOUNT. 6. ARCHITECTURAL AND/OR ENGINEERING EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR. 7. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BIDDING, ORDERING, FABRICATION OR INSTALLATION OF MATERIALS OR EQUIPMENT. 8. CONTRACTOR TO NOTIFY ENGINEER IF EXISTING PIPING DIFFERS FROM DRAWINGS. 9. CONTRACTOR SHALL ARRANGE AND PAY FOR ALL PERMITS, LICENSES, INSPECTIONS AND TESTS. OBTAIN THE REQUIRED CERTIFICATES AND PRESENT TO OWNER. 10. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BIDDING, ORDERING, FABRICATION OR INSTALLATION OF MATERIALS OR EQUIPMENT. 11. ALL DOWN TIME TO BE COORDINATED WITH OWNER IN WRITING. ALL DOWN TIME WORK SHALL BE PERFORMED AS DIRECTED BY THE OWNER. 12. THE WORK THAT IS TO BE DONE UNDER THIS CONTRACT INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS AND EQUIPMENT, PERMITS, FEES, INSPECTIONS, TESTS AND INSURANCE, REQUIRED FOR THE COMPLETION OF THE SYSTEMS AS SHOWN ON THE DRAWINGS AND/OR LISTED BELOW. CONTRACTOR SHALL VISIT THE SITE PRIOR TO THE BIDDING AND FAMILIARIZE THEMSELVES WITH EXISTING EQUIPMENT, SYSTEMS AND BUILDING STRUCTURE. 13. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SANITARY, STORM, DOMESTIC WATER, AND CONDENSATE PIPING BEFORE STARTING ANY WORK. NOTIFY ARCHITECT/ENGINEER OF ANY DEVIATIONS FROM DESIGN DRAWINGS. 14. ALL WORK SHALL BE COORDINATED WITH EXISTING TRADES AND IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS. 15. ALL MATERIAL, EQUIPMENT, AND APPARATUS SHALL BE NEW, EXCEPT WHEN CALLED FOR AS BEING REUSED OR FURNISHED BY OTHERS. ALL MATERIAL SHALL BE APPROVED BY THE ARCHITECT/ENGINEER BEFORE INSTALLATION. 16. SHOP DRAWINGS: CONTRACTOR SHALL REVIEW SUB SUBMITTALS PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL. A MINIMUM OF 5 COPIES OF FULLY DESCRIPTIVE, LITERATURE, INCLUDING BUT NOT LIMITED TO: WATER HEATERS, AND PLUMBING FIXTURES. NO WORK SHALL PROCEED WITHOUT THE APPROVAL OF THESE SUBMITTALS. MORE THEN TWO REVISIONS DUE TO OMISSION OR ERROR, OF THE SAME SUBMISSION MAY INCUR COSTS TO THE CONTRACTOR. 17. IN THE EVENT A BEAM SLEEVE PENETRATION IS REQUIRED, COORDINATE PENETRATIONS WITH ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER. 18. ALL PRODUCTS SHALL BE MANUFACTURED WITHIN THE UNITED STATES WHERE POSSIBLE. PIPING AND RAW MATERIALS WITH ORIGIN'S OUTSIDE THE UNITED STATES SHALL BE IDENTIFIED AS PART OF THE BID. PIPING, BOLTS, FITTINGS & MISCELLANEOUS METAL PRODUCTS ORIGINATING FROM OUTSIDE THE USA MUST BE IDENTIFIED. 19. PRODUCTS USED FOR THIS PROJECT SHALL COMPLY WITH APPLICABLE UNITED STATES STANDARDS. COMPLIANCE WITH A FOREIGN STANDARD AS AN ALTERNATE SHALL NOT BE ACCEPTED. 20. GUARANTEE: THE COMPLETED INSTALLATION SHALL BE FULLY GUARANTEED AGAINST DEFECTIVE MATERIALS &/OR IMPROPER WORKMANSHIP FOR A MINIMUM OF ONE YEAR FOR MATERIAL & LABOR.	
DEMOLITION NOTES	
1. CONTRACTOR SHALL REMOVE EXISTING SERVICES SUCH AS WATER, WASTE, VENT, FUEL AND MEDICAL GAS PIPING, SERVING FIXTURES AND/OR CONNECTIONS TO EQUIPMENT WHICH IS TO BE REMOVED, OR RELOCATED AS INDICATED ON DRAWINGS, SEAL AND CAP SERVICES BACK TO MAIN SERVICE LINES. 2. ALL DEMOLITION WORK SHALL BE SCHEDULED WITH OWNER TO MINIMIZE DISRUPTION OF SERVICES AND PROVIDE FOR THE UNINTERRUPTED FUNCTIONING OF THE BUILDING AREA. 3. CONTRACTOR SHALL DISPOSE OF DEMOLITION MATERIAL OUTLINED IN THE DRAWINGS PROPERLY OFF SITE IN AN EXPEDITIOUS MANNER. ALL ITEMS LISTED FOR DEMOLITION ARE TO BE REMOVED, NO ITEM IS TO BE ABANDONED, UNLESS OTHERWISE NOTED. 4. EXISTING PLUMBING FIXTURES AND RELATED ITEMS WHICH ARE TO BE REMOVED, SHALL BE TURNED OVER TO THE OWNER. ITEMS THAT THE OWNER WISHES TO RETAIN SHALL BE DELIVERED TO STORAGE AS DIRECTED BY OWNER. ITEMS THAT THE OWNER DOES NOT WISH TO RETAIN SHALL BE DISPOSED OF LEGALLY. 5. EXISTING FIXTURES, EQUIPMENT, SERVICES, AND CONNECTIONS TO REMAIN AS IS UNLESS OTHERWISE NOTED. IF SUCH ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE REWORKED OR REPLACED AS REQUIRED TO PROVIDE ORIGINAL OPERATION. 6. PENETRATIONS OR OPENINGS FROM REMOVED PIPES THROUGH EXISTING WALLS SHALL BE PATCHED TO MATCH THE EXISTING STRUCTURE. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES. PENETRATIONS AND OPENINGS SHALL BE PATCHED, TO MAINTAIN THE EXISTING FIRE AND SMOKE INTEGRITY. 7. CONTRACTOR SHALL EXERCISE CAUTION DURING THE DEMOLITION OR REMOVAL OF ANY ITEMS SO AS NOT TO JEOPARDIZE THE SUSTAINABILITY OR INTEGRITY OF ANY WALL, CEILINGS OR STRUCTURAL REMAINS. 8. CONTRACTOR SHALL COORDINATE INTERRUPTION OF EXISTING SERVICES; WATER, WASTE, VENT, FUEL AND MEDICAL GASES WITH OWNER, BEFORE ANY CONSTRUCTION. 9. EXISTING FIXTURES, EQUIPMENT CONNECTIONS, AND SERVICES SUCH AS; WATER, WASTE, VENT, FUEL AND MEDICAL GAS SERVICES, SHALL BE FIELD VERIFIED FOR SIZE, MATERIAL, AND EXACT LOCATIONS. EXISTING INFORMATION SHOWN WAS TAKEN FROM EXISTING DRAWINGS. IT WILL BE WITHIN THE CONTRACTOR'S SCOPE OF WORK TO MAKE ALL NECESSARY OFFSETS, IF DEVIATIONS ARE FOUND, CONTRACTOR SHALL BRING THEM TO THE ARCHITECT'S ATTENTION FOR COORDINATION. 10. REMOVE EXISTING STACKS AND RISERS LOCATED IN EXISTING PARTITIONS TO BE DEMOLISHED AND PROVIDE NEW OFF-SET AT CEILING AND DROP THROUGH FLOOR AND RECONNECT TO EXISTING SERVICES AT THE FLOOR BELOW. 11. ALL EXISTING NON-REUSED MATERIALS AND EQUIPMENT TO BE TURNED OVER TO THE OWNER. 12. WHERE EXISTING PIPING IS REMOVED OR DAMAGED; THE REPLACEMENT PIPING SHALL BE OF EQUAL OR BETTER QUALITY. 13. WHERE DEMOLITION WOULD AFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY FIELD CONDITION WHICH WOULD PRESENT A HAZARDOUS CONDITION TO THE STRUCTURE OR ITS OCCUPANTS BEFORE PROCEEDING. DO NOT PERFORM STRUCTURAL DEMOLITION UNTIL APPROVED MEANS OF SUPPORT IS INSTALLED. 14. CONTRACTOR SHALL PROVIDE MEANS OF PREVENTING DUST FROM DEMOLITION AND CONSTRUCTION ACTIVITIES PENETRATING OCCUPIED AREAS. DEBRIS SHALL BE PROMPTLY REMOVED FROM THE BUILDING AND SITE AND DISPOSE OF IN A LEGAL APPROVED MANNER. SURFACES IN THE CONSTRUCTION AT THE END OF EACH WORK DAY. SURFACES IN ADJOINING AREAS WHICH BECOME DUST LADEN SHALL BE THOROUGHLY CLEANED. 15. CONTRACTOR SHALL BE SHOWN ON THE DRAWINGS PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A WALK-THRU OF THE PROJECT PRIOR TO SUBMITTING A BID IN ORDER TO IDENTIFY POSSIBLE CRITICAL ITEMS WHICH ARE NOT OR INCORRECTLY ADDRESSED, REQUIRING CLARIFICATION. 16. FAILURE OF BIDDERS TO MAKE REQUIRED VISITATIONS AND/OR INVESTIGATIONS TO INFORM THEMSELVES FULLY OF EXISTING CONDITIONS AND TO INCLUDE IN THEIR PROPOSALS A SUM SUFFICIENT TO COVER ALL CONDITIONS OF FIELD CONDITIONS WILL NOT IN ANYWAY ENTITLE THEM TO ANY EXTRA CHARGES OVER AND ABOVE THE AGREED UPON AMOUNT. 17. CONTRACTOR SHALL PROVIDE DURING DEMOLITION OPERATIONS ALL SAFETY MEASURERS AND FEATURES AS REQUIRED BY THE APPLICABLE CODES, RULES AND REGULATIONS HAVING JURISDICTION OVER THE PROJECT. 18. ALL PRECAUTIONS SHALL BE TAKEN REQUIRED TO PROTECT ALL UNDERGROUND OR OTHER CONCEALED UTILITIES. CONTRACTOR SHALL INSPECT CEILINGS AND CHASES TO ASSURE PROPER IDENTIFICATION OF EXISTING UTILITIES PRIOR TO CUTTING, PATCHING, CAPPING, ETC., AS REQUIRED. 19. CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING FINISHES AND CONSTRUCTION NOT SCHEDULED FOR DEMOLITION. 20. ALL DRAWINGS AND TRADES SHALL BE REFERENCED BEFORE DEMOLITION CONSTRUCTION SHALL BEGIN TO ENSURE UNDERSTANDING THE TOTALITY OF THE PROJECTS SCOPE. 21. ANY UTILITIES LINES THAT ARE BROKEN OR DAMAGED DURING DEMOLITION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL CHARGE TO THE CONTRACT PRICE OR SHALL BE REPAIRED BY THE OWNER AT THE CONTRACTOR'S EXPENSE.	

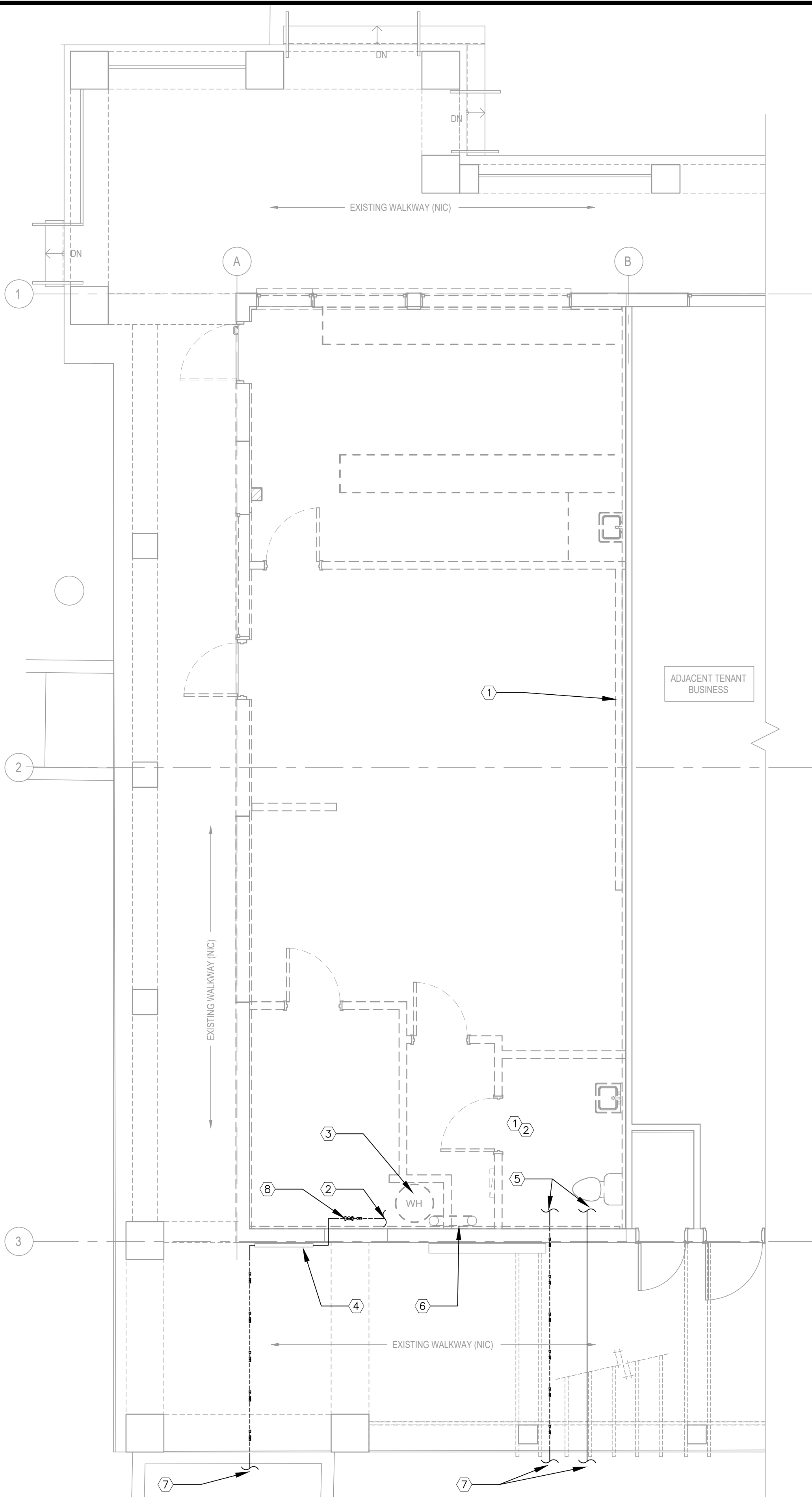
PLUMBING FIXTURE SCHEDULE									
MARK	DESCRIPTION	MAX FLOW (GPM/GPF)	HOT WATER (INCH)	COLD WATER (INCH)	SANITARY (INCH)	MAKE	MODEL	MBTU	NOTES / ACCESSORIES
FD	FLOOR DRAIN	2	-----	-----	-----	2	JAY R. SMITH	2005	PROVIDE TRAP PRIMER CONNECTION, HEEL PROOF GRATE, AND SEDIMENT BUCKET. TRAP PRIMER SUPPLIED FROM WATER SAVER OR PRESSURE DIFFERENTIAL.
SINK-FS	SINK (FLOOR SINK)	1	-----	-----	-----	3"	ZURN	Z1910 (8x8")	PROVIDE 1/2 GRATE WITH SEDIMENT BUCKET, DOME STRAINER AND TRAP PRIMER CONNECTION
LAV	LAVATORY	1.5	1/2	1/2	1-1/2	-----	-----	-----	MAKE, MODEL, FIXTURE AND ACCESSORIES TO BE SELECTED BY ARCHITECT AND OWNER
WC	WATER CLOSET (TOILET)	1.28	-----	1/2	3	-----	-----	-----	MAKE, MODEL, FIXTURE AND ACCESSORIES TO BE SELECTED BY ARCHITECT AND OWNER

ELECTRIC TANKLESS HOT WATER HEATER SCHEDULE									
MARK	HEATING CAP. (KW)	VOLT/AMP/PH	MAX TEMP (deg F)	EF	ACTIVATE (GPM)	MANF.	MODEL	ACCESSORIES	
TWH-1	2.5	208/ 12 / 1	110	0.99	0.2	CHRONOMITE	CMI-12L/208 INTEGRATED TMV	PROVIDE: ISOLATION BALL VALVES ON IN AND OUT PORTS AND INVIZIBLE BOX WITH DISCONNECT.	

PLUMBING SYMBOLS		ABBREVIATIONS		PLUMBING SHEET INDEX	
FOR REFERENCE AND MAY NOT APPEAR IN PROJECT		FOR REFERENCE AND MAY NOT APPEAR IN PROJECT			
SYMBOL	DESCRIPTION	AAV	AIR ADMITTANCE VALVE	P0	PLUMBING SCHEDULES & GENERAL NOTES
-----	DOMESTIC COLD WATER SUPPLY	ABV	AUTO BALANCING VALVE	DP1	PLUMBING DEMO FLOOR PLAN
-----	DOMESTIC HOT WATER SUPPLY (120°F UNLESS OTHERWISE NOTED)	AD	AREA DRAIN	P1	PLUMBING NEW SANITARY FLOOR PLAN
-----	HOT WATER RE-CIRCULATION	AFF	ABOVE FINISHED FLOOR	P2	PLUMBING NEW DOMESTIC WATER FLOOR PLAN
-----	SANITARY (WASTE) PIPING	AFG	ABOVE FINISHED GRADE	P6	PLUMBING DETAILS
-----	SANITARY VENT PIPING	AP	ACCESS PANEL	P8	PLUMBING ISOMETRIC PLAN
-----	SANITARY VENT PIPING	AVB	ATMOS. VACUUM BREAK		
-----	SANITARY VENT PIPING	BT	BATHTUB		
-----	SANITARY VENT PIPING	BFF	BELOW FINISH FLOOR		
-----	SANITARY VENT PIPING	BFPV	BACK FLOW PREVENTER		
-----	SANITARY VENT PIPING	CD	CONDENSATE		
-----	SANITARY VENT PIPING	CO	CLEAN OUT		
-----	SANITARY VENT PIPING	CW	COLD WATER		
-----	SANITARY VENT PIPING	CWS	COLD WATER SUPPLY		
-----	SANITARY VENT PIPING	DCIP	DUCTILE CAST IRON PIPE		
-----	SANITARY VENT PIPING	DF	DRINKING FOUNTAIN		
-----	SANITARY VENT PIPING	DW	DISHWASHER		
-----	SANITARY VENT PIPING	DWG	DRAWING		
-----	SANITARY VENT PIPING	DWV	DRAIN WASTE VENT		
-----	SANITARY VENT PIPING	ECO	EXTERIOR CLEAN OUT		
-----	SANITARY VENT PIPING	EWC	ELECTRIC WATER COOLER		
-----	SANITARY VENT PIPING	FCO	FLOOR CLEAN OUT		
-----	SANITARY VENT PIPING	FD	FLOOR DRAIN		
-----	SANITARY VENT PIPING	FS	FLOOR SINK		
-----	SANITARY VENT PIPING	HB	HOSE BIBB		
-----	SANITARY VENT PIPING	HW	HOT WATER		
-----	SANITARY VENT PIPING	HWCP	HOT WATER CIRC. PUMP		
-----	SANITARY VENT PIPING	HWH	HOT WATER HEATER		
-----	SANITARY VENT PIPING	HWS	HOT WATER SUPPLY		
-----	SANITARY VENT PIPING	I.E.	INVERT ELEVATION		
-----	SANITARY VENT PIPING	JS	JANITOR SINK		
-----	SANITARY VENT PIPING	KS	KITCHEN SINK		
-----	SANITARY VENT PIPING	LAV	LAVATORY		
-----	SANITARY VENT PIPING	LF	LINEAR FOOT		
-----	SANITARY VENT PIPING	NTS	NOT TO SCALE		
-----	SANITARY VENT PIPING	PT	PRESSURE TANK		
-----	SANITARY VENT PIPING	REF	REFRIGERATOR		
-----	SANITARY VENT PIPING	RR	RESTROOM		
-----	SANITARY VENT PIPING	SHD	SHOWER DRAIN		
-----	SANITARY VENT PIPING	SHR	SHOWER HEAD & BODY		
-----	SANITARY VENT PIPING	SOV	SHUT OFF VALVE		
-----	SANITARY VENT PIPING	TMV	THERMOSTATIC MIX VALVE		
-----	SANITARY VENT PIPING	TP	TRAP PRIMER		
-----	SANITARY VENT PIPING	TWH	TANKLESS WATER HEATER		
-----	SANITARY VENT PIPING	WC	WATER CLOSET (TOILET)		
-----	SANITARY VENT PIPING	WCO	WALL CLEAN OUT		
-----	SANITARY VENT PIPING	WH	WALL HYDRANT		
-----	SANITARY VENT PIPING	WHA	WATER HAMMER ARRESTOR		
-----	SANITARY VENT PIPING	WM	WASHING MACHINE		
-----	SANITARY VENT PIPING	UG	UNDERGROUND		
-----	SANITARY VENT PIPING	UR	URINAL		
-----	SANITARY VENT PIPING	VIF	VERIFY IN FIELD		
-----	SANITARY VENT PIPING	VTR	VENT THROUGH ROOF		

2023 FLORIDA BUILDING CODE 8TH EDITION (BUILDING)	
2023 FLORIDA BUILDING CODE 8TH EDITION (ENERGY)	
2023 FLORIDA BUILDING CODE 8TH EDITION (PLUMBING)	

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GENERAL NOTES:

- GC TO CAMERA SCOPE EXISTING GRAVITY PIPES TO REMAIN TO ENSURE ALL REMAINING PIPES ARE FREE FROM DEFECT BEFORE REATTACHMENT.

KEY NOTES:

- REMOVE PLUMBING FIXTURE AND ASSOCIATED PIPING BACK TO MAIN AT BACK WALL. PREPARE AREA FOR NEW FIXTURE CONFIGURATION.
- REMOVE EXISTING CW PIPING BACK TO MAIN SHUT OFF VALVE AT BACK WALL. GC TO VIF THAT EXISTING SHUT OFF VALVE IS IN GOOD WORKING ORDER. PROVIDE CONDITIONS REPORT IF REPLACEMENT IS REQUIRED.
- CONTRACTOR TO REMOVE EXISTING HOT WATER HEATER.
- EXISTING BACK FLOW PREVENTER TO REMAIN. GC TO ENSURE NO DAMAGE DURING CONSTRUCTION. PROVIDE CONDITIONS REPORT IF REPLACEMENT IS REQUIRED.
- EXISTING GREASE AND SANITARY UNDERGROUND PIPING. GC TO VIF EXACT LOCATION, ROUTING AND SIZE.
- GC TO IDENTIFY PIPING AND USAGE AND IF AVAILABLE FOR REUSE. IF PIPING IS TO REMAIN PROVIDE GYPSUM CHASE AROUND PIPING.
- CONTINUES TO EXISTING SITE UTILITIES.
- EXISTING SUITE CWS MAIN SOV.

1 PLUMBING DEMOLITION PLAN
DP1

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

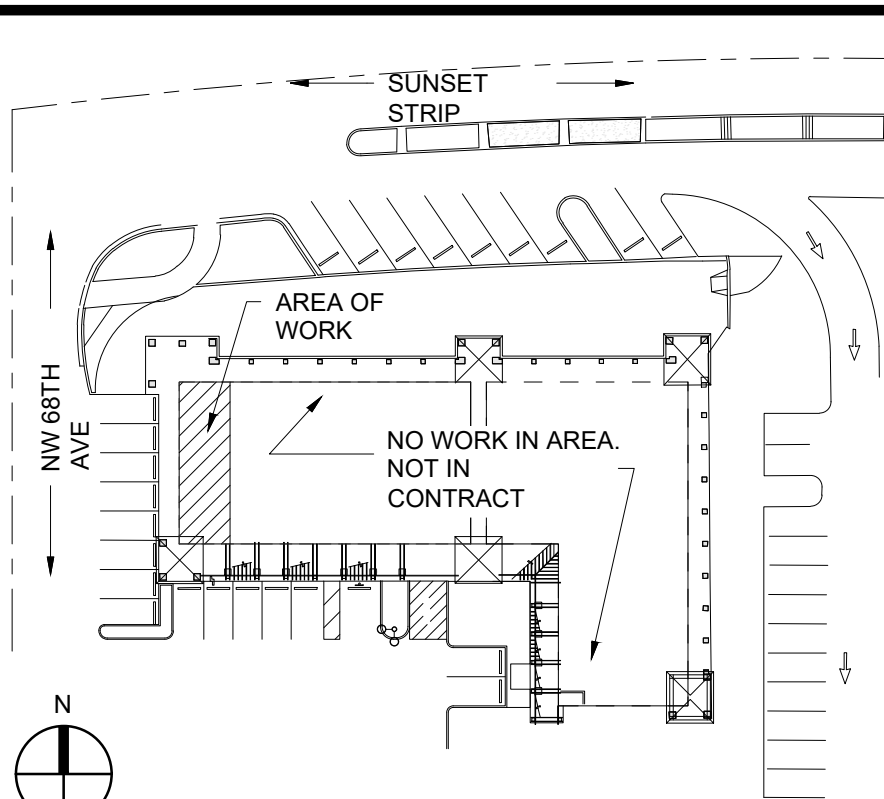
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KEY PLAN

PLUMBING DEMOLITION
PLAN

100% CONSTRUCTION DOCUMENTS

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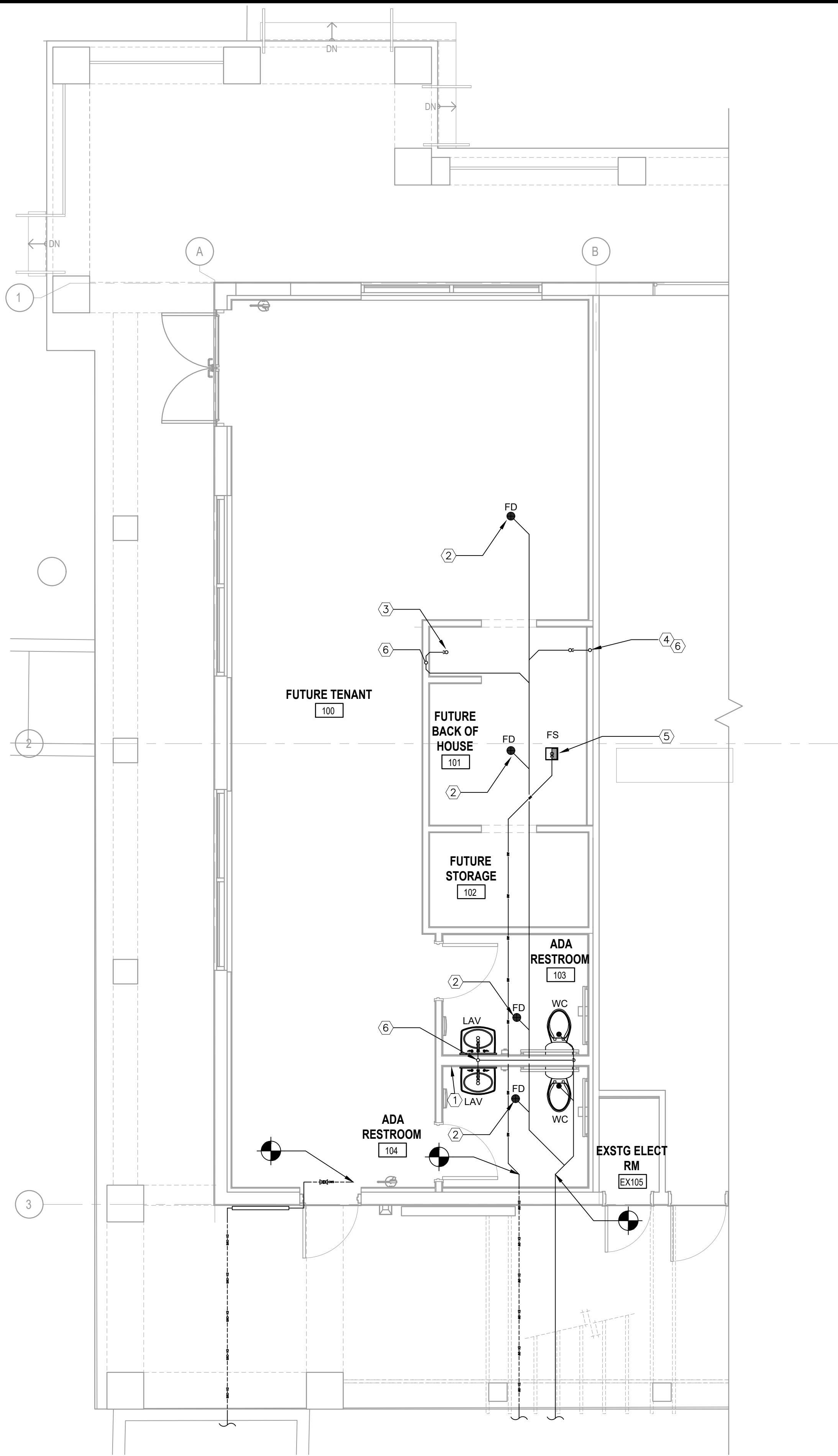
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DP1



GENERAL NOTES:

1. CONNECT VENTING ABOVE CEILING HEIGHT, TIE TO EXISTING PENETRATION THROUGH ROOF.

KEY NOTES:

① TWH WATER HEATER SEE DOMESTIC WATER PLAN FOR FURTHER INFORMATION.

② FLOOR DRAINS TO HAVE TRAP PRIMER CONNECTIONS. RESTROOM TRAP PRIMERS TO USE WATER SAVER TYPE AND ADDITIONAL FLOOR DRAINS TO USE PRESSURE ACTUATED TYPE.

③ FLOOR MOUNT STUB UP FOR FUTURE MOP SINK BASIN. COORDINATE WITH ARCHITECT AND OWNER FOR EXACT PLACEMENT OF DRAIN STUB UP.

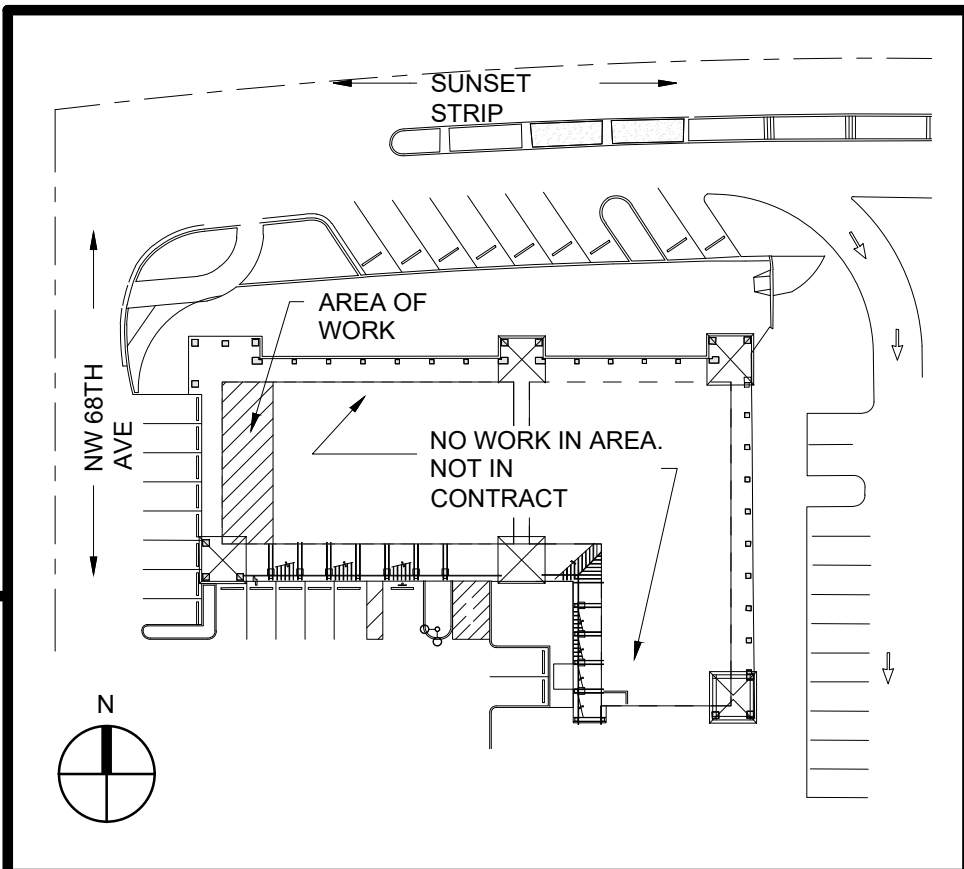
④ WALL MOUNTED DRAIN STUB OUT FOR FUTURE SINK.

⑤ INSTALL FLOOR SINK FOR FUTURE TRIPLE SINK.

⑥ VENT UP.

1 PLUMBING SANITARY FLOOR PLAN

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



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KEY PLAN

PLUMBING SANITARY FLOOR PLAN

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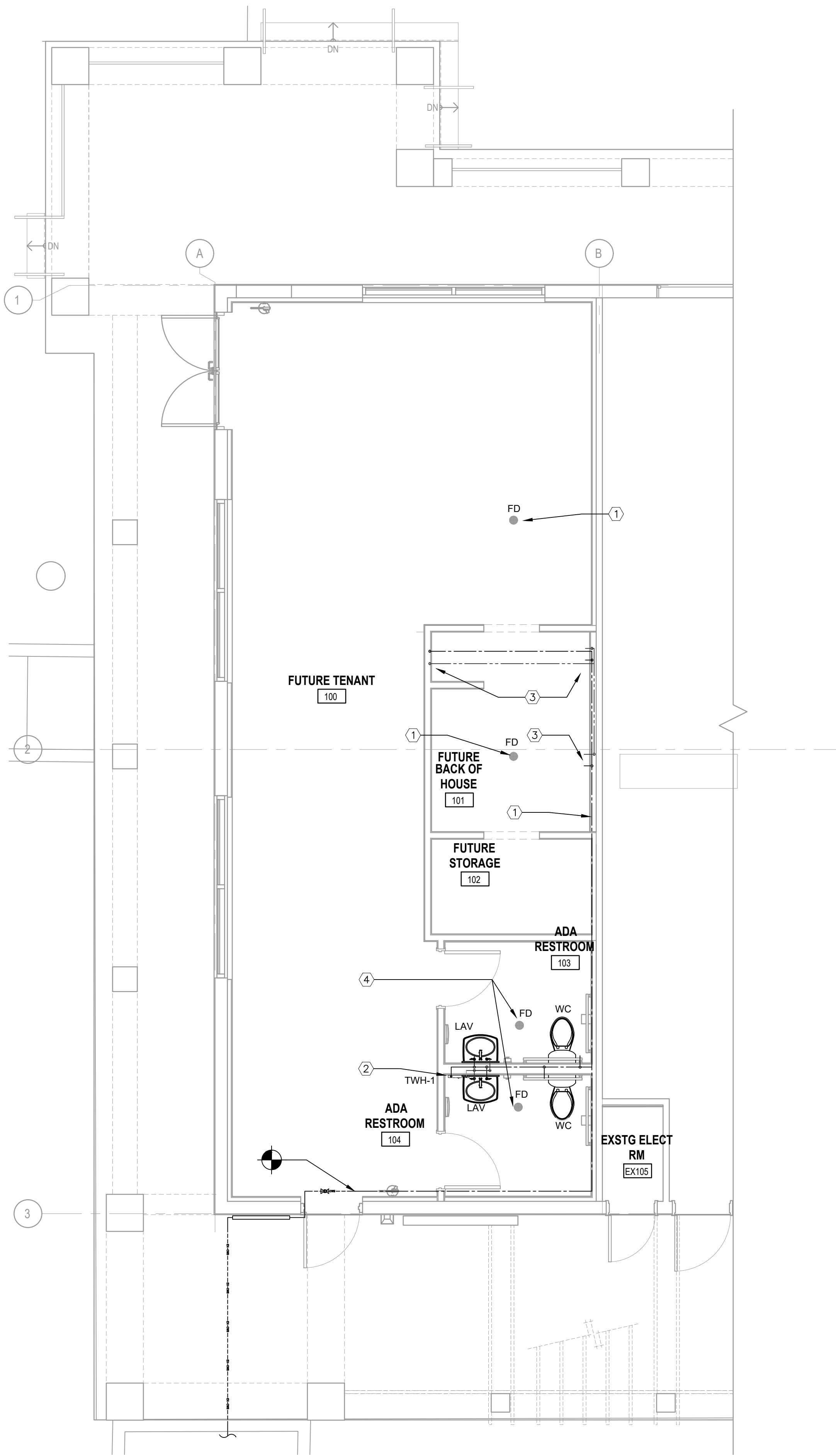
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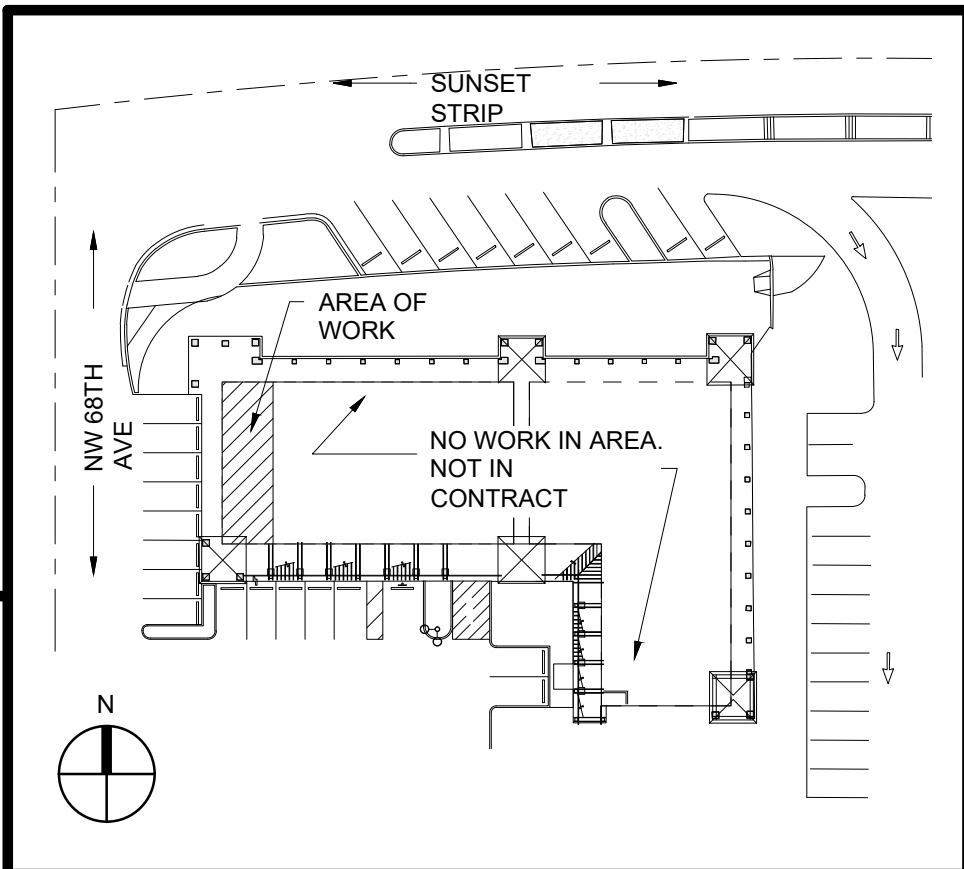
SEAL



- GENERAL NOTES:**
1. PROVIDE ESCUTHEONS AROUND ALL PIPE STUB OUTS, FUTURE AND PROPOSED.
 2. HOT WATER RETURN PIPING SHOULD BE INSTALLED NEAR OTHER PIPING SHOWN BEYOND OTHER PIPING ON FLOOR PLAN FOR CLARITY.
 3. ALL HOT WATER PIPING (SUPPLY AND RETURN) SHALL BE PROVIDED WITH 1" (MIN.) INSULATION.
- KEY NOTES:**
- ① PRESSURE DIFFERENTIAL TRAP PRIMER FOR BACK OF HOUSE FLOOR DRAINS. PROVIDE ACCESS PANEL FOR FUTURE MAINTENANCE.
 - ② HOT WATER HEATER SET TO 110°F WATER FOR RESTROOM INSTALLED BELOW LAVATORY SINK.
 - ③ HOT AND COLD WATER STUB OUTS WITH VALVES TO FOR FUTURE CONNECTION.
 - ④ WATER SAVER TRAP PRIMER CONNECTION FOR NEAR BY RR FLOOR DRAINS (TYP.).

1 PLUMBING PROPOSED DOMESTIC WATER PLAN

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



KEY PLAN

PLUMBING DOMESTIC WATER FLOOR PLAN

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	4		1
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	6		3

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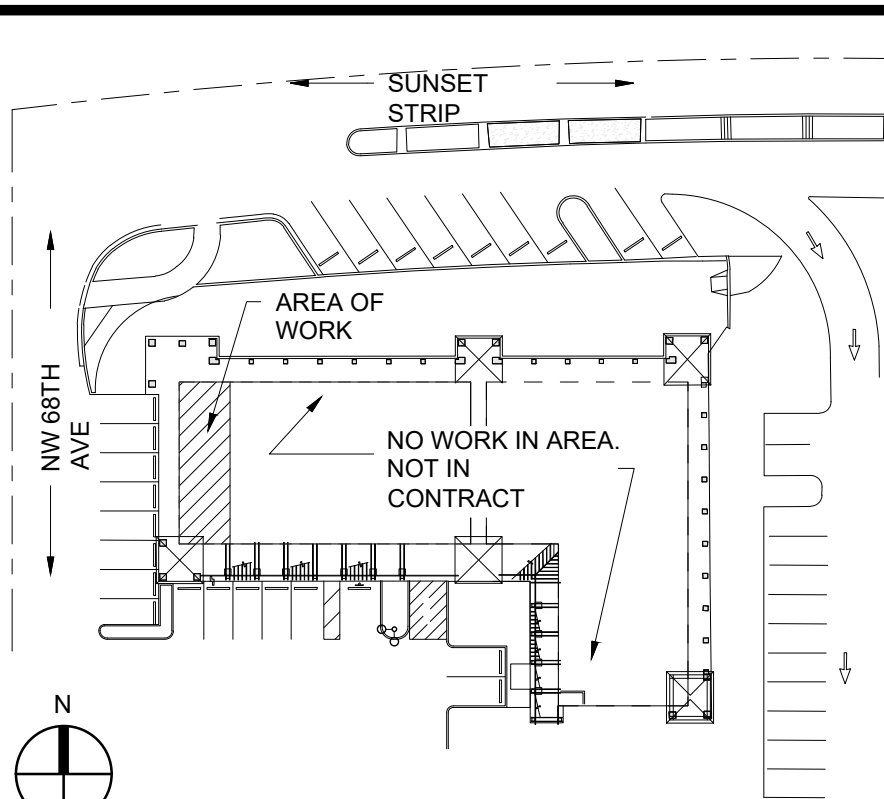
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KEY PLAN

PLUMBING DETAILS

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