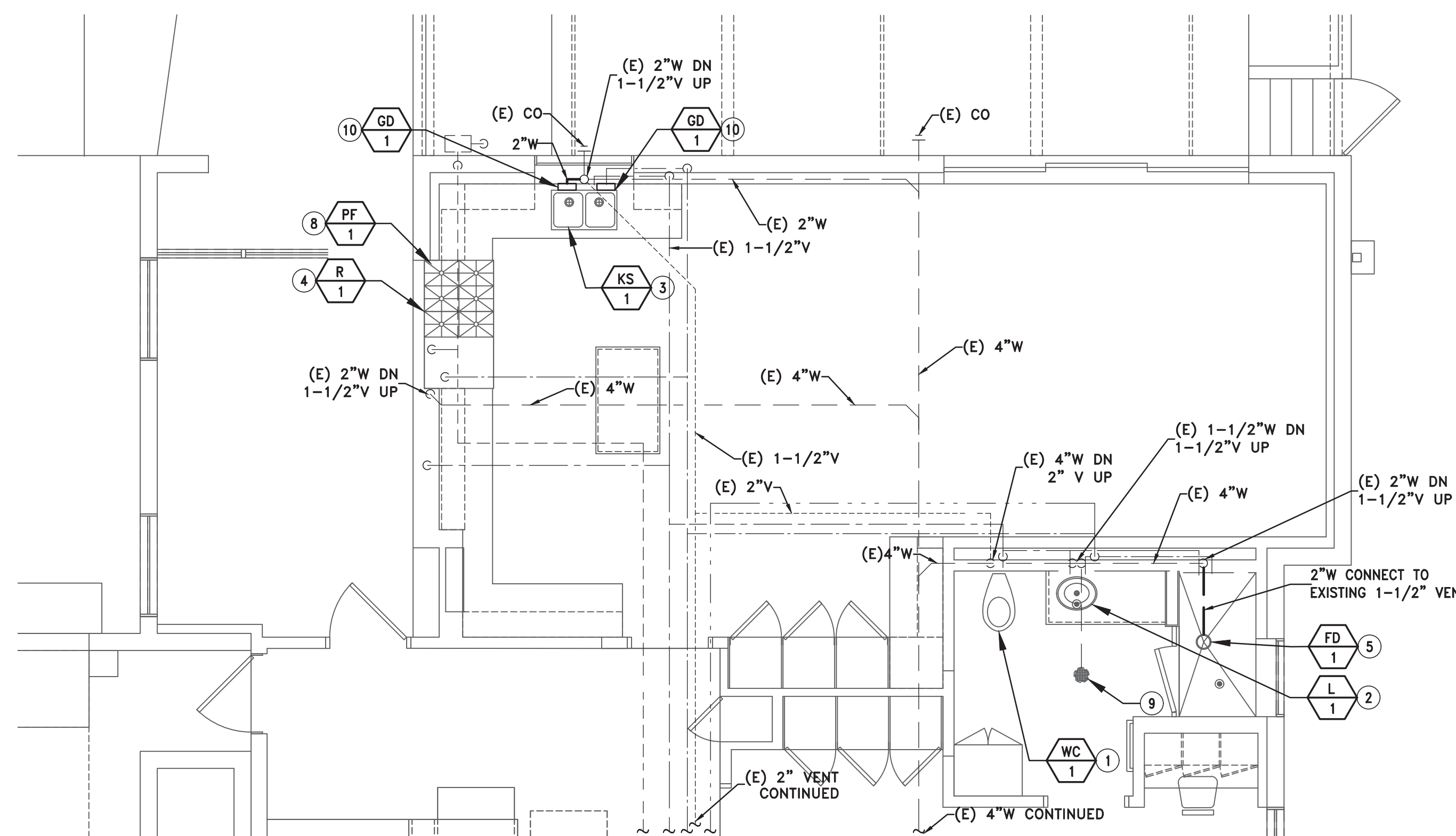


PARTIAL PLUMBING REMODEL FLOOR PLAN - DOMESTIC COLD AND HOT WATER AND GAS

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

2



PARTIAL PLUMBING REMODEL FLOOR PLAN - WASTE AND VENT

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

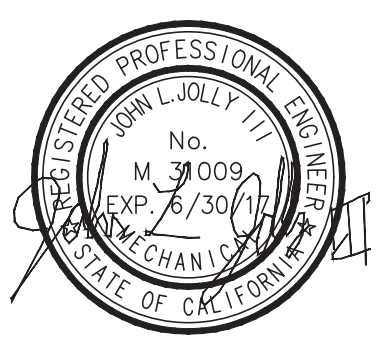
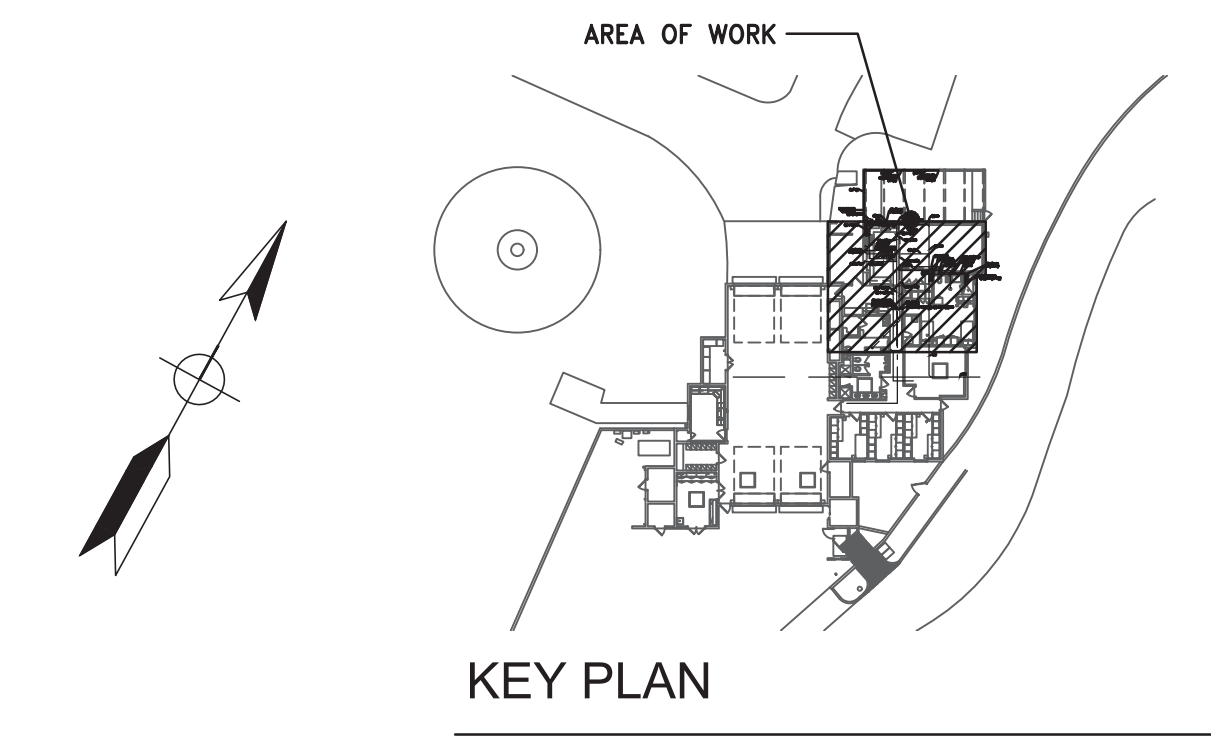
1

SHEET NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIXTURES AND EQUIPMENT.
- FOR ALL PIPING TO BE ADDED, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED FOR THE INSTALLATION OF PIPING AS INDICATED ON PLANS. WORK INCLUDES MODIFYING WALLS THAT ARE NOT PART OF THE REMODEL AND SHALL BE REPAIRED TO MATCH EXISTING AFTER FINAL CONNECTIONS ARE MADE.
- ALL EXISTING PLUMBING UTILITIES ARE BASED ON AS-BUILTS PLANS. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL RISERS AND ALL EXISTING POINTS OF CONNECTION TO EXISTING UTILITIES PRIOR TO SUBMITTING BID.
- MAINTAIN MINIMUM 1" AIR GAP ON INDIRECT WASTE DRAINAGE TERMINATIONS.
- WASTE PIPING SHALL BE SLOPED AT 2%.
- PROVIDE CLEANOUTS IN ALL CHANGES OF DIRECTIONS FOR SANITARY SEWER WASTE AND INDIRECT WASTE PIPING.
- COORDINATE ALL PENETRATIONS THRU WALLS AND FLOOR SLABS WITH GENERAL CONTRACTOR.
- ALL CONDENSATE DRAIN LINES WITHIN BUILDING SHALL BE INSULATED.
- THE PLUMBING CONTRACTOR SHALL RUN ALL SERVICE LINES, ROUGH-IN AND MAKE FINAL CONNECTIONS TO ALL FIXTURES AND EQUIPMENT. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL TRIMS, TAILPIECES, STRAINERS, P-TRAPS, TRAP ARMS, HOT & COLD WATER STOPS AND FAUCETS AS REQUIRED.
- ALL FIXTURES SHALL BE PROVIDED WITH MINIMUM ROUGH-IN CONNECTIONS AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE OR PER MANUFACTURERS RECOMMENDATIONS.
- PROVIDE ISOLATION VALVES & ACCESS PANELS FOR EACH RISER. LOCATE VALVES IN ACCESSIBLE LOCATIONS FOR MAINTENANCE PERSONNEL.
- A CERTIFIED FIRE SUPPRESSION CONTRACTOR SHALL VERIFY THAT THE EXISTING HOOD FIRE SUPPRESSION SYSTEM IS UL-300 LISTED AND IS IN SERVICEABLE CONDITION. IF THE CERTIFIED CONTRACTOR DETERMINES THAT THE SYSTEM IS NOT SERVICEABLE THEN THE GENERAL CONTRACTOR SHALL BID FOR AN ALTERNATE PRICE FROM CAPTIVEAIRE TO PURCHASE A UL-300 LISTED FIRE SUPPRESSION SYSTEM FOR THE NEW HOOD.

CONSTRUCTION NOTES

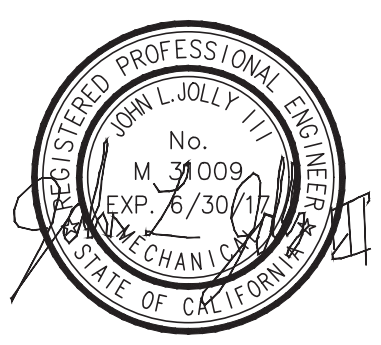
- PROVIDE A NEW WATER CLOSET AS INDICATED. CONTRACTOR SHALL RECONNECT EXISTING 4" W AND 2" VENT LINE AND A 1-1/2" LINE. CONTRACTOR SHALL MODIFY EXISTING PIPING AS NECESSARY TO PROVIDE A PROPER CONNECTION.
- PROVIDE A NEW LAVATORY AS INDICATED. CONTRACTOR SHALL RECONNECT TO EXISTING 1-1/2" W, 1-1/2" V, 3/4" CW AND 3/4" HW LINE. CONTRACTOR SHALL MODIFY EXISTING PIPING AS NECESSARY TO PROVIDE A PROPER CONNECTION.
- PROVIDE A NEW KITCHEN SINK AS INDICATED. CONTRACTOR SHALL RECONNECT TO EXISTING 1-1/2" W, 1-1/2" V, 3/4" CW AND 3/4" HW LINE. CONTRACTOR SHALL MODIFY EXISTING PIPING AS NECESSARY TO PROVIDE A PROPER CONNECTION.
- PROVIDE A NEW RANGE AS INDICATED. CONTRACTOR SHALL PROVIDE 3/4" CONNECTION WITH FLEXIBLE GAS HOSE. CONTRACTOR SHALL MODIFY EXISTING PIPING AS NECESSARY TO ENSURE PROPER CONNECTION.
- PROVIDE A NEW FLOOR DRAIN FOR THE SHOWER. CONTRACTOR SHALL RECONNECT NEW FLOOR DRAIN TO A NEW 2" W AND SHALL RECONNECT TO THE EXISTING 1-1/2" V LINE. CONTRACTOR SHALL MODIFY EXISTING PIPING AS NECESSARY TO PROVIDE A PROPER CONNECTION. REFER TO DETAIL 1 ON SHEET P0.1.
- PROVIDE A NEW SHOWER HEAD AS INDICATED. CONTRACTOR SHALL RECONNECT NEW SHOWER HEAD TO EXISTING 3/4" CW AND 3/4" HW LINE. CONTRACTOR TO MODIFY PIPING AS NECESSARY TO PROVIDE A PROPER CONNECTION. NEW SHOWER HEAD AND PIPING SHALL BE CENTERED TO THE SHOWER.
- PROVIDE A NEW 1/2" CW LINE TO SERVE THE NEW COFFEE MAKER AS INDICATED.
- PROVIDE A NEW 1/2" CW LINE TO SERVE THE NEW POT FILLER FAUCET AS INDICATED.
- PROVIDE A NEW DRAIN COVER TO THE EXISTING FLOOR DRAIN AS INDICATED. CAP SHALL BE COMPATIBLE TO EXISTING FLOOR DRAIN.
- PROVIDE A NEW GARBAGE DISPOSAL AS INDICATED ON DRAWINGS.
- PROVIDE A NEW WATER FILTER AS INDICATED. CONTRACTOR TO MODIFY PIPING AS NECESSARY TO PROVIDE A PROPER CONNECTION.
- PROVIDE A NEW DISHWASHER WITH A 3/4" CW AS INDICATED.



No.	Date	By	Revision

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Submital	
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Checked By	JH

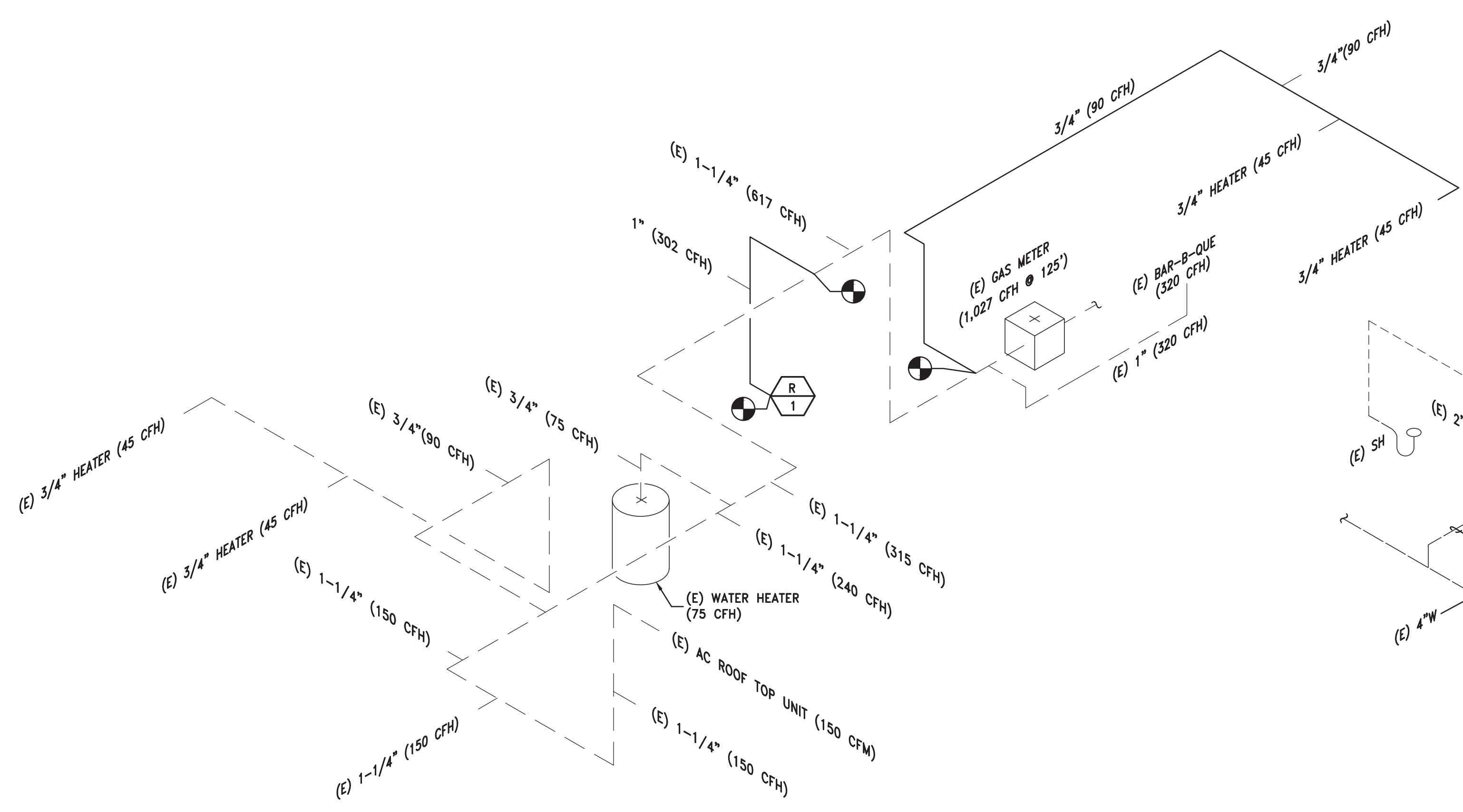
PLUMBING REMODEL PLANS  
CITY OF BEVERLY HILLS  
FIRESTATION # 2 - TENANT IMPROVEMENTS  
1100 COLDWATER CANYON DRIVE  
BEVERLY HILLS, CA. 90210



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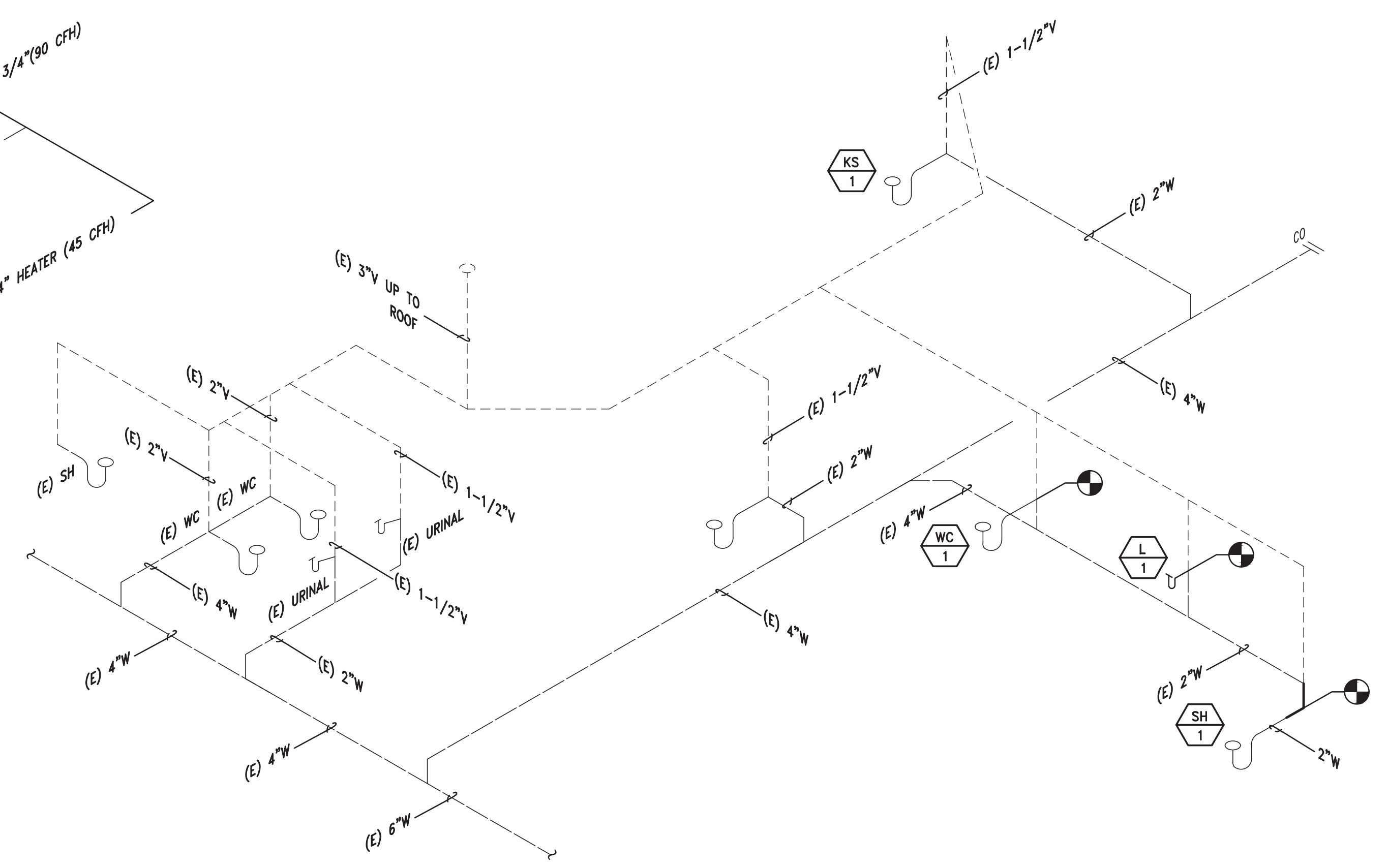
PLUMBING GAS, WASTE, VENT, HOT AND COLD WATER ISOMETRICS  
 CITY OF BEVERLY HILLS  
 FIRESTATION # 2 - TENANT IMPROVEMENTS  
 1100 COLDWATER CANYON DRIVE  
 BEVERLY HILLS, CA. 90210



**GAS ISOMETRIC**

SCALE: NONE

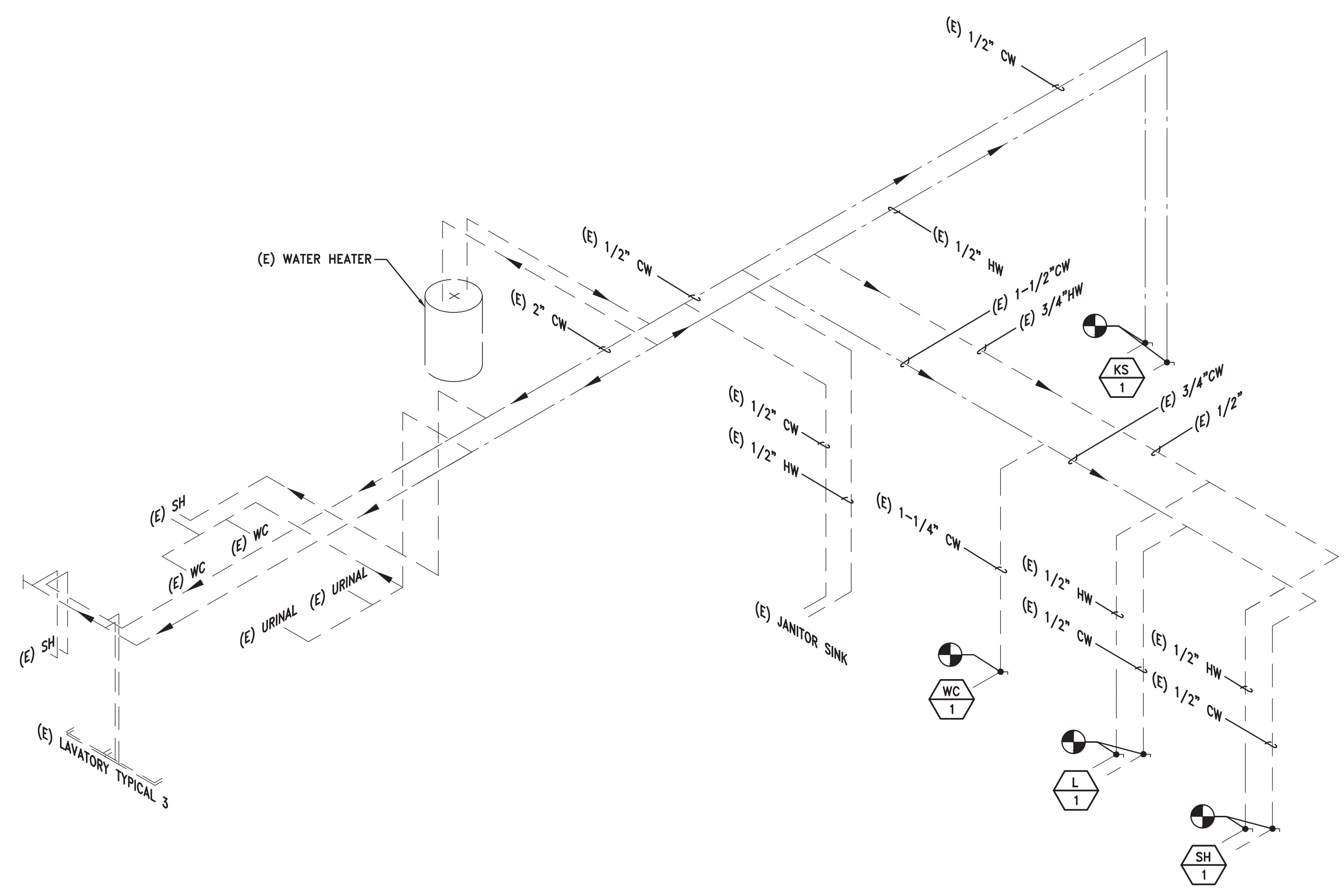
**1**



**WASTE AND VENT ISOMETRIC**

SCALE: NONE

**2**



**COLD AND HOT WATER ISOMETRIC**

SCALE: NONE

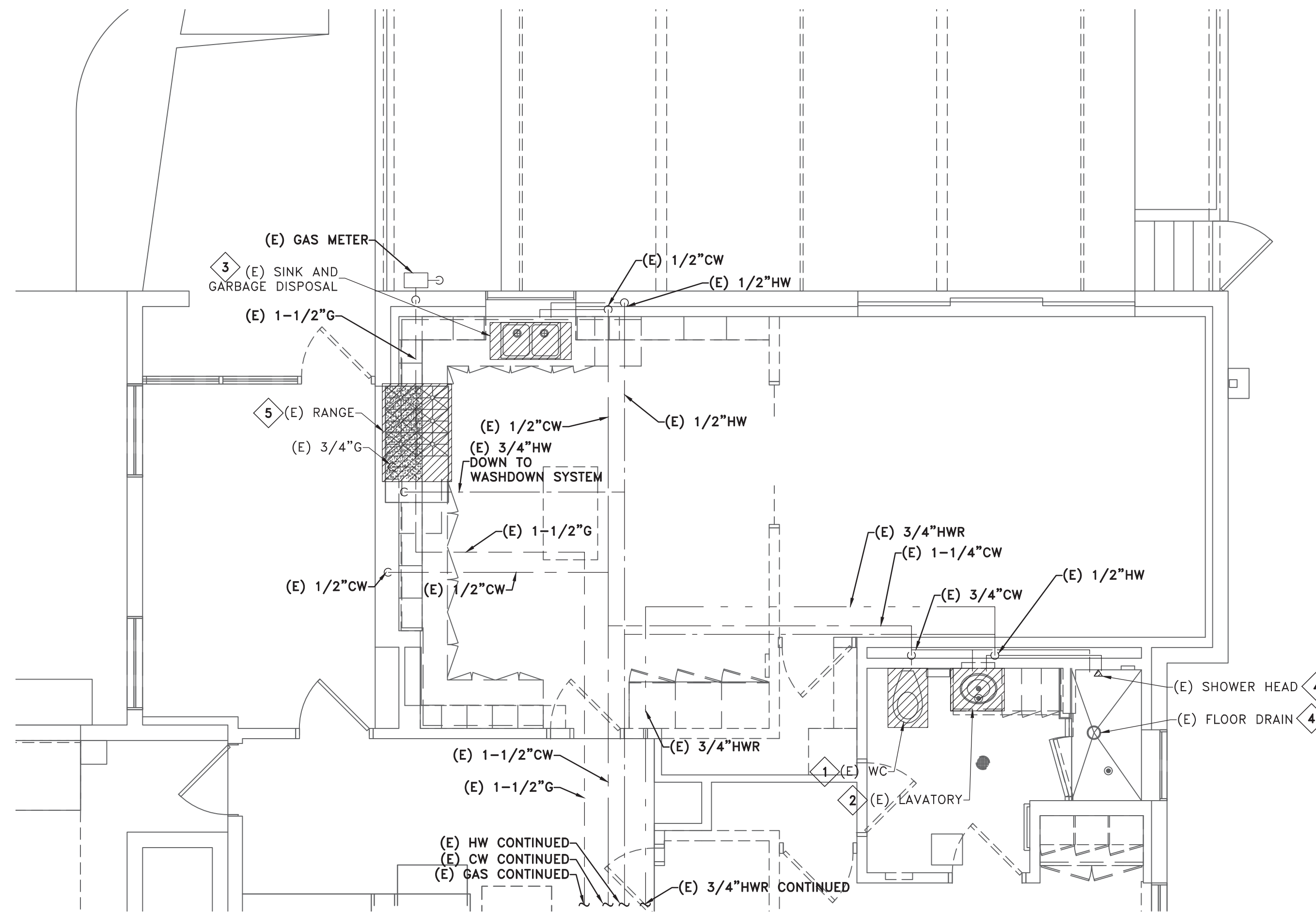
**3**

GAS CALCULATIONS			
LOAD TYPE	Quantity	BTU/H (INPUT)	CFH
<b>EXISTING LOAD</b>			
(E) UH-1	2	90,000	90
(E) AC-1	1	150,000	150
(E) WH-1	1	75,000	75
(E) RANGE	1	118,000	118
(E) BAR-B-QUE	2	320,000	320
<b>EXISTING LOAD</b>		<b>753,000</b>	<b>753</b>
<b>REMOVED LOAD</b>			
(E) RANGE	1	118,000	118
<b>REMOVED LOAD</b>		<b>118,000</b>	<b>118</b>
<b>NEW LOAD ADDED</b>			
RANGE	1	302,000	302
PORTIBLE HEATERS	1	45,000	45
PORTIBLE HEATERS	1	45,000	45
<b>ADDED LOAD</b>		<b>392,000</b>	<b>392</b>
<b>LOAD ADDED</b>		<b>1,027,000</b>	<b>1,027</b>

GAS DEVELOPED LENGTH			
SYMBOL	DEVELOPED LENGTH	CFH	PIPE SIZE
(R 1)	20'	302	1"
PORTIBLE HEATERS	15'	45	3/4"
PORTIBLE HEATERS	20'	45	3/4"
<b>TOTAL</b>	<b>55'</b>	<b>392</b>	<b>-</b>

GAS PIPE SIZING BASED ON 2013 CPC TABLE 1216.2(1)

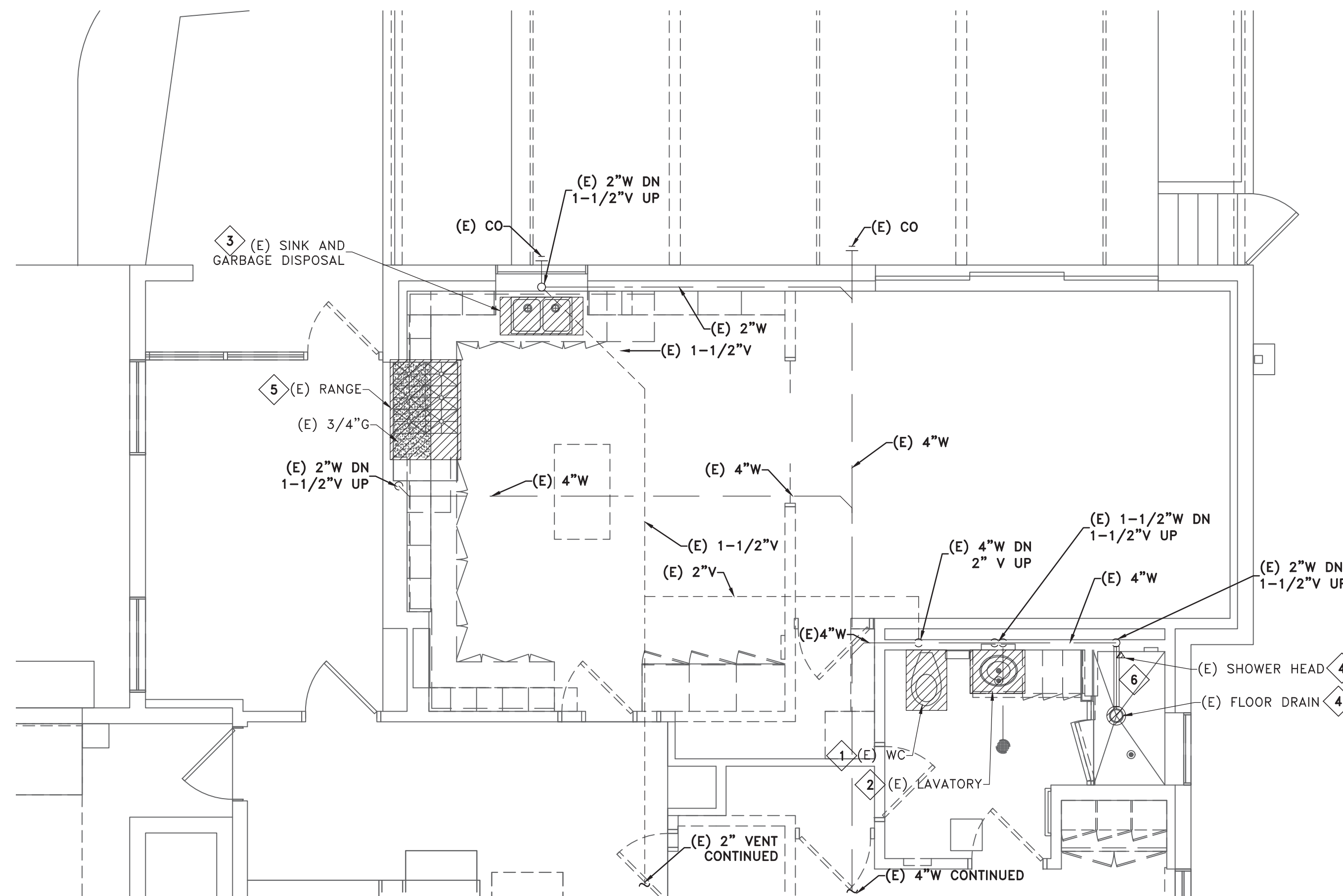
GAS: NATURAL  
 INLET PRESSURE: LESS THAN 2 PSI  
 PRESSURE DROP: 0.5 IN. WC.  
 SPECIFIC GRAVITY: 0.6



PARTIAL PLUMBING DEMOLITION FLOOR PLAN - DOMESTIC COLD AND HOT WATER AND GAS

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

2



PARTIAL PLUMBING DEMOLITION FLOOR PLAN - WASTE AND VENT

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

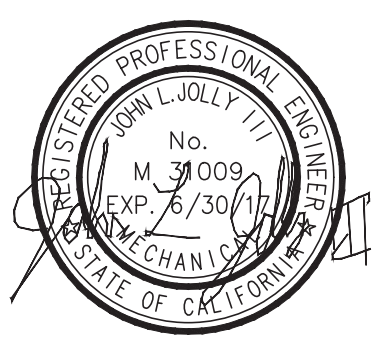
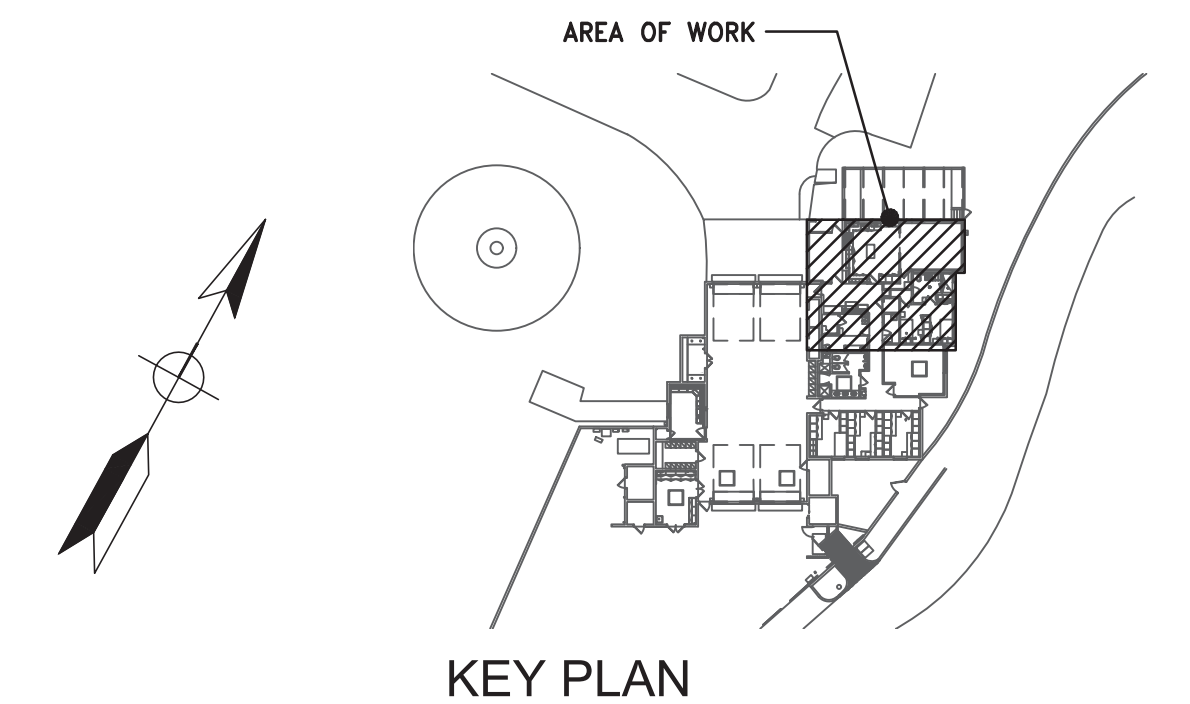
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SHEET NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO BIDDING. INFORMATION GIVEN ON THESE DRAWINGS ABOUT THE EXISTING INSTALLATION HAS BEEN OBTAINED FROM THE CONSTRUCTION DRAWINGS BUT CANNOT BE GUARANTEED ACCURATE IN ALL RESPECTS. VERIFY ALL SUCH INFORMATION BEFORE PROCEEDING WITH ANY NEW WORK THAT MAY BE AFFECTED. INCLUDE AS PART OF THE CONTRACT ALL WORK REQUIRED TO PRODUCE THE INDICATED RESULT.
2. CONTRACTOR SHALL NOT SCALE DRAWINGS. DIMENSIONS MISSING FROM PLANS OR NEEDED FOR EXECUTION OF WORK SHALL BE CLARIFIED OR PROVIDED BY THE ARCHITECT BEFORE WORK IS INSTALLED.
3. FURNISH ALL LABOR AND MATERIALS REQUIRED TO RELOCATE, REMOVE, REINSTALL, RECONNECT, REPLACE, ETC. ANY EXISTING PIPING TO ACCOMMODATE THE WORK. CONTRACTOR SHOULD CONSIDER IN HIS BID ANY EXTRA WORK REQUIRED TO MINIMIZE SHUTDOWN TIME.
4. EQUIPMENT FIXTURE, PIPING ETC. THAT ARE TO BE REMOVED SHALL BE THE PROPERTY OF THIS CONTRACTOR UNLESS NOTED FOR SALVAGE BY OWNER AND SHALL BE REMOVED IN ITS ENTIRETY FROM THE PREMISES
5. WHERE EQUIPMENT AND PIPING IS NOTED AND/OR SHOWN TO BE REMOVED, THIS REMOVAL SHALL INCLUDE ALL SUPPORTING STRUCTURES FOR THE ITEM AND ALL ANCILLIARY DEVICES CONSIDERED TO BE A FUNCTIONING PART OF THE ITEM.
6. BEFORE DEMOLITION COMMENCES ON SITE, ALL EXISTING EQUIPMENT TO BE RETAINED AND REUSED WILL BE SURVEYED AND VALIDATED TO ESTABLISH CONDITION AND CAPACITIES. ANY EXISTING DAMAGE TO EQUIPMENT IS TO BE RECORDED AT THIS STAGE BY THE CONTRACTOR AND A FULL WRITTEN REPORT SUBMITTED TO THE CONSULTING ENGINEER FOR REVIEW. THE REPORT WILL INCLUDE PHOTOGRAPHIC EVIDENCE OF DAMAGE.
7. ALL POWER SUPPLIES TO EXISTING EQUIPMENT TO BE ISOLATED AND MADE SAFE BEFORE DEMOLITION STARTS.
8. ANY DAMAGE TO EXISTING FIXTURE & EQUIPMENT DURING DEMO WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. ALL DAMAGED/MISSING INSULATION ON PIPEWORK/VALVES IS TO BE REPLACED/RENEWED AS NECESSARY.
10. CONTRACTOR TO REVIEW DEMOLITION & NEW CONSTRUCTION NOTES TO ENSURE CONSISTENCY IN DESIGN INTENT BEFORE PROCEEDING WITH ANY DEMOLITION WORK. ANY PIPE, VALVE, EQUIPMENT THAT IS MISTAKENLY DEMOLISHED SHALL BE RESTORED AT CONTRACTOR'S COST.
11. ALL UNUSED FLOOR & WALL OPENINGS SHALL BE IN-FILLED TO KEEP THE FLOOR OR WALL'S FIRE RATING.
12. CONTRACTOR TO DEMOLISH ALL EXISTING PLUMBING FIXTURES AS INDICATED ALONG WITH ASSOCIATED PIPING AND MAKE READY FOR RE-CONNECTION TO NEW PLUMBING FIXTURES.
13. CONTRACTOR SHALL VERIFY IN FIELD ALL PIPING PRIOR TO BID.

DEMOLITION NOTES

1. REMOVE AND DISPOSE OF ONE EXISTING WATER CLOSET AS INDICATED. CONTRACTOR SHALL DISCONNECT FROM EXISTING CW, WASTE AND VENT.
2. REMOVE AND DISPOSE OF EXISTING LAVATORY AS INDICATED. CONTRACTOR SHALL DISCONNECT EXISTING HW, CW, WASTE AND VENT.
3. REMOVE AND DISPOSE OF EXISTING KITCHEN SINK AS INDICATED. CONTRACTOR SHALL DISCONNECT EXISTING HW, CW, WASTE AND VENT.
4. REMOVE AND DISPOSE OF EXISTING FLOOR DRAIN AS WELL AS THE SHOWER HEAD AS INDICATED.
5. REMOVE AND DISPOSE OF EXISTING RANGE AS INDICATED. CONTRACTOR SHALL DISCONNECT FROM EXISTING GAS.
6. REMOVE AND DISPOSE OF EXISTING WASTE AS INDICATED.



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