

Table with columns: EQUIPMENT, MARK, FURNISHED BY, INSTALLED BY, GAS, CW, HW, DRAIN, WASTE, APPLICABLE DETAILS OR DRAWINGS, COMMENTS AND OTHER RELATED WORK. Includes items like GAS WATER HEATER, ELECTRIC WATER HEATER, TANKLESS WATER HEATER, etc.

Table with columns: PLUMBING FIXTURES AND SPECIALTIES, NOTE: NOT ALL PLUMBING FIXTURES LISTED ARE USED ON THIS PROJECT. Includes items like WC WATER CLOSET, HWC HANDICAP WATER CLOSET, WC2 WATER CLOSET, etc.

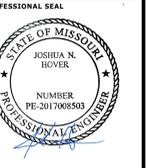
Table with columns: PLUMBING SYMBOLS, THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS MAY BE USED. Includes sections for PIPING, STANDARD MOUNTING HEIGHTS, WATER COOLER OR DRINKING FOUNTAIN, SHOWER VALVES, etc.

Table with columns: DRAINS & DRAINAGE SPECIALTIES, NOTE: NOT ALL DRAINS LISTED ARE USED ON THIS PROJECT. Includes items like FLOOR DRAIN, FLOOR SINK, etc.

NOTES: 1. PLUMBING, ELECTRICAL, MECHANICAL, AND REFRIGERATION CONTRACTORS SHALL VERIFY ALL CONNECTIONS AND ROUGH-IN REQUIREMENTS PRIOR TO ROUGH-IN OF SERVICES. 2. OWNERS VENDOR SHALL BE DEFINED AS HY-VEE CONSTRUCTION CO., HY-VEE EQUIPMENT PURCHASING, HY-VEE ENGINEERING, HY-VEE SETUP SUPERVISORS, OR APPROVED OTHERS.

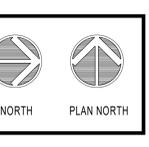
REFERENCES: PC PLUMBING CONTRACTOR EC ELECTRICAL CONTRACTOR MC MECHANICAL/HVAC CONTRACTOR RC REFRIGERATION CONTRACTOR

HENDERSON ENGINEERS logo and contact information: 8345 LENEXA DRIVE, SUITE 300, LENEXA, KS 66214. TEL: 913.742.5000 FAX: 913.742.5001



Oct 23 2020 JOSHUA N. HOVER LICENSE # PE-2017008503

LOCATION: LEE'S SUMMIT, MO #2 310 SW WARD RD. HY-VEE INC. 5820 WESTWIND PARKWAY WEST DES MOINES, IOWA 50326 TEL: 515.281.9300 FAX: 515.281.2600



PLUMBING NOTES & SCHEDULES. Project Manager: SL, Checked By: HEI. Drawn By: HEI, Date: 10/19/2020. Scale: AS NOTED, Job Number: 62930547. SHEET: P0.0

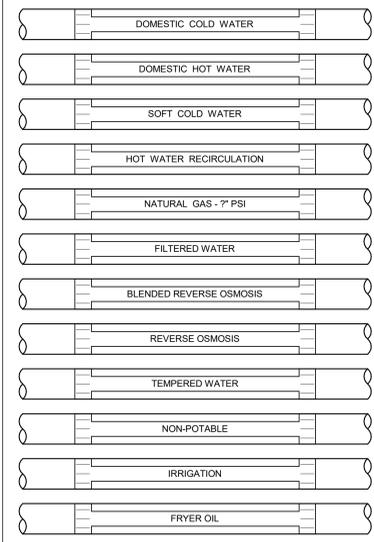
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GENERAL DEMOLITION NOTES:

- PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- OWNER RETAINS RIGHTS OF SALVAGE FOR EQUIPMENT AND FIXTURES TO BE REMOVED. COORDINATE WITH THE OWNER THE EQUIPMENT AND FIXTURES TO BE SALVAGED AND THE LOCATION FOR STORAGE. AVOID DAMAGE TO EQUIPMENT, FIXTURES AND DEVICES DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION.
- REMOVE ITEMS SHOWN HEAVY LINED AND/OR CROSSHATCHED AND/OR NOTED TO BE REMOVED.
- AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN FOR NEW INSTALLATION. REPAIR ANY DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE OWNER.
- SEAL ALL PENETRATIONS THROUGH FLOORS, WALLS, CEILINGS AND ROOFS WHERE PLUMBING COMPONENTS ARE REMOVED AND WHERE THE EXISTING PENETRATION IS NOT USED FOR THE NEW INSTALLATION. REPAIR SURFACES TO MATCH ADJACENT AREAS.
- INSTALL PERMANENT CAPS WHERE PIPING IS REMOVED AND THE EXISTING TAPS ARE NOT USED FOR THE NEW INSTALLATION. INSTALL TEMPORARY CAPS WHERE PIPING IS REMOVED AND THE EXISTING TAPS WILL BE USED FOR THE NEW INSTALLATION TO PROTECT THE INTERIOR SURFACES UNTIL NEW PIPING IS INSTALLED.
- REMOVE PIPE HANGERS, PIPE SUPPORTS AND EQUIPMENT SUPPORTS WHERE PIPING OR EQUIPMENT IS REMOVED AND THE EXISTING HANGERS AND SUPPORTS ARE NOT USED FOR THE NEW INSTALLATION.
- VERIFY THAT EXISTING EQUIPMENT TO REMAIN IS OPERATING PROPERLY. NOTIFY THE ARCHITECT, ENGINEER AND/OR OWNER OF ANY DAMAGED AND/OR MALFUNCTIONING COMPONENTS.
- WHERE SHUTDOWN OF EXISTING ACTIVE PIPING SYSTEMS IS REQUIRED DURING DEMOLITION PHASE OF WORK IN PREPARATION FOR NEW TIE-IN PHASE OF WORK, COORDINATE WITH THE OWNER AND MINIMIZE DOWNTIME. VERIFY EXISTING SYSTEMS, EQUIPMENT, AND COMPONENTS WILL BE PROVIDED WITH BACKUP SERVICE WHERE REQUIRED. NOTIFY OWNER A MINIMUM OF SEVEN (7) DAYS PRIOR TO INTERRUPTION OF SERVICE.

PIPING MARKERS

ALL HOT WATER, RECIRCULATING HOT WATER, COLD WATER, SOFTENED COLD WATER, AND GAS PIPING SHALL BE CLEARLY MARKED WITH IDENTIFYING LABELS STATING DIRECTION OF FLOW AND CONTENTS. THE LABELS SHALL BE APPLIED AT 8 FEET ABOVE THE FLOOR ON VERTICAL PIPING AND EVERY 20 FEET HORIZONTALLY. EXAMPLES OF LABELS ARE AS FOLLOWS:



KEYED NOTES:

- PERMANENTLY LABEL AT THE CONNECTION POINT.
- LOCATE PIPING IDENTIFICATION AT VALVE LOCATION, AT POINTS WHERE PIPING ENTERS AND LEAVE A PARTITION, AND AT INTERVALS OF 20 FEET ON STRAIGHT RUNS. IN AREAS WITH OPEN STRUCTURE OVER THE SALES FLOOR, PIPING MARKERS NEED ONLY BE INSTALLED AT MAJOR JUNCTURES AND CHANGES OF DIRECTION.

PIPING APPLICATION SCHEDULE

SYSTEM (NOTE 1)	LOCATION	DESIGN WORKING PRESSURE (PSI)	MATERIAL	JOINTS	INSULATION APPLICATION			NOTES
					USAGE SIZE RANGE	THICKNESS (IN.)	TYPE (NOTES 2,3)	
DOMESTIC COLD WATER FILTERED DRINKING WATER	ABOVE GRADE	125	TYPE L COPPER "HARD" PEX	SOLDER OR MECHANICAL PRESS CONNECTION PEX MECHANICAL CRIMP	1-1/4" OR SMALLER 1-1/2" & GREATER	1/2" 1"	ELASTOMERIC FOAM OR FIBERGLASS	- 4
	BELOW GRADE	125	TYPE K COPPER "SOFT" DUCTILE IRON PRESSURE WATER PIPE	SOLDER MECHANICAL OR PUSH-ON	LESS THAN 2 1/2" 3" & GREATER	- -	- -	- 5
DOMESTIC HOT WATER	ABOVE GRADE	125	TYPE L COPPER "HARD" PEX	SOLDER OR MECHANICAL PRESS CONNECTION PEX MECHANICAL CRIMP	1-1/4" OR SMALLER 1-1/2" & GREATER	1" 1"	ELASTOMERIC FOAM OR FIBERGLASS	- 4
	GENERAL	175	DUCTILE IRON PRESSURE WATER PIPE OR GALVANIZED AS REQUIRED BY NFPA	MECHANICAL OR PUSH-ON	ALL	-	-	5
FIRE PROTECTION SERVICE	BELOW GRADE	N/A	CAST IRON AND/OR SCH 40 PVC	BELL & SPIGOT, NO HUB, OR SOLVENT	ALL	-	-	12
	ABOVE GRADE	N/A	CAST IRON, DWV COPPER, AND/OR SCH 40 PVC	BELL & SPIGOT, NO HUB, SOLDER, OR SOLVENT	ALL	1"	FIBERGLASS	6, 7, 12
EQUIPMENT DRAINS (GRAVITY & PUMPED CONDENSATE)	ABOVE GRADE	N/A	DWV COPPER	SOLDER	ALL	1"	FIBERGLASS	8
	EXPOSED ABOVE GRADE IN FINISHED AREAS	N/A	CHROME PLATED BRASS PIPE	THREADED	ALL	-	-	9
GREASE SANITARY	BELOW GRADE	N/A	CAST IRON OR SCH 40 PVC	BELL & SPIGOT, NO HUB, OR SOLVENT	ALL	-	-	-
	BELOW GRADE GAS OUTSIDE BUILDING	125	POLYETHYLENE	ELECTRICAL FUSION	ALL	-	-	-
NATURAL GAS/GENERATOR EXHAUST	ABOVE GRADE	125	SCH 40 BLACK STEEL	THREADED OR WELDED	SMALLER THAN 2"	-	-	10, 11
				WELDED	2 1/2" & GREATER	-	-	10, 11
REVERSE OSMOSIS BLENDED REVERSE OSMOSIS	RIGID ABOVE GRADE	125	SCH 40 CPVC, PEX, PRIOR APPROVED OTHER	SOLVENT, PEX MECHANICAL CRIMP	ALL	-	-	13
	FLEXIBLE ABOVE GRADE	125	BRADED STAINLESS STEEL, PRIOR APPROVED OTHER	THREADED	ALL	-	-	13

NOTES:

- REFER TO EACH PIPING SPECIFICATION FOR SPECIFIC PIPING REQUIREMENTS.
- SEE SPECIFICATION SECTION 230719 FOR COMPLETE INSULATION AND JACKETING REQUIREMENTS. ALL INSULATION SHALL BE PLENUM RATED WHERE INSTALLED IN A RETURN AIR PLENUM.
- INSTALL RIGID CALCIUM SILICATE INSERTS AT ALL PIPING HANGERS.
- PIPING BRANCHES 2" AND SMALLER MAY BE PEX WHERE PERMITTED BY CODE. USE RED AND BLUE PIPING. INSTALL MANIFOLD DOWNSTREAM OF BRANCH ISOLATION VALVES.
- PIPE SHALL BE CEMENT MORTAR LINED PER AWWA/NSF STANDARDS. FITTINGS SHALL BE LONG RADIUS, 300 PSI RATED, CEMENT MORTAR LINED.
- INSULATE RISERS WITHIN 10' OF VENT THROUGH ROOF CONNECTION.
- PIPING MAY BE PVC WHERE NOT INSTALLED IN A RETURN AIR PLENUM.
- INSULATION ONLY REQUIRED FOR COLD SERVICE PIPING. EQUIPMENT DRAIN PIPING LESS THAN 5' IN LENGTH NEED NOT BE INSULATED.
- PIPING SERVING FOOD SERVICE EQUIPMENT AND EXPOSED TO PUBLIC OR USERS.
- ALL NATURAL GAS PIPING LOCATED IN A CEILING RETURN AIR PLENUM SHALL BE WELDED.
- ALL CONCEALED NATURAL GAS PIPING TO BE WELDED.
- PIPING MAY BE PEX WHERE PERMITTED BY CODE.
- ALTERNATE MATERIALS WILL BE CONSIDERED. SUBMIT ALTERNATES TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

TOTAL CONNECTED NATURAL GAS LOAD

KITCHEN EQUIPMENT				
EQUIPMENT DESIGNATION	QUANTITY	DESCRIPTION	CFH (EACH)	TOTAL CFH
18	1	CHARBROILER	87	87
20	1	PIZZA OVEN	225	225
23	1	FRYER	150	150
29	1	ROTISSERIE	175	175
32	1	6 BURNER RANGE W/ OVEN	240	240
34	1	MONGALIAN BBQ	123	123
ETR	1	WOK	440	440
ETR	1	CONVECTION OVEN	120	120
ETR	1	BAKERY OVEN	240	240
			TOTAL =	1800
MECHANICAL EQUIPMENT				
EQUIPMENT DESIGNATION	QUANTITY	DESCRIPTION	CFH (EACH)	TOTAL CFH
RTU-1	1	ROOFTOP UNIT	1000	1000
RTU-2	1	ROOFTOP UNIT	1000	1000
RTU-3	1	ROOFTOP UNIT (ETR)	180	180
RTU-4	1	ROOFTOP UNIT (ETR)	240	240
RTU-5	1	ROOFTOP UNIT (ETR)	240	240
RTU-6	1	ROOFTOP UNIT	120	120
RTU-7	1	ROOFTOP UNIT (ETR)	235	235
RTU-8	1	ROOFTOP UNIT (ETR)	200	200
RTU-9	1	ROOFTOP UNIT	180	180
RTU-10	1	ROOFTOP UNIT	120	120
RTU-11	1	ROOFTOP UNIT	180	180
RTU-12	1	ROOFTOP UNIT	180	180
UH-1	1	UNIT HEATER (ETR)	250	250
UH-2	1	UNIT HEATER (ETR)	125	125
UH-3	1	UNIT HEATER (ETR)	125	125
MAL-1	1	MAKE UP AIR UNIT	356	356
MAL-2	1	MAKE UP AIR UNIT	197	197
WH-1	2	WATER HEATER	199	398
WH	1	WATER HEATER (ETR)	100	100
GEN	1	GENERATOR	894	894
			TOTAL =	6320
NATURAL GAS SYSTEM OPERATING PRESSURE:				2 PSI
NATURAL GAS SYSTEM SIZED WITH TOTAL DEVELOPED LENGTH FROM GAS METER TO MOST REMOTE PIECE OF EQUIPMENT:				730 FEET
SYSTEM DESIGN PRESSURE DROP:				1 PSI
BUILDING TOTAL CONNECTED LOAD =			8120	

PLUMBING ROUGH-IN SCHEDULE

FIXTURE TYPE	WASTE	VENT	CW	HW
WC AND HWC	4"	2"	1"	--
UR	2"	1-1/2"	3/4"	--
ENC	1-1/2"	1-1/4"	1/2"	--
JS	3"	1-1/2"	3/4"	3/4"
LAVS	2"	1-1/2"	1/2"	1/2"
S-1A,B,C	2"	1-1/2"	1/2"	1/2"
S-2C	2"	1-1/2"	1/2"	1/2"
S-2A	2"	--	1/2"	1/2"
S-2B	2"	--	3/4"	3/4"
S-3S	2"	--	3/4"	3/4"
S-4S	2"	2"	3/4"	3/4"
S-5	2"	2"	3/4"	3/4"
S-6	2"	1-1/2"	3/4"	3/4"
HS	1-1/2"	1-1/2"	1/2"	1/2"

NOTES:
UNDERFLOOR SANITARY PIPING SHALL NOT BE SMALLER THAN 2"

GAS PRESSURE REGULATOR SCHEDULE FOR 2 PSI SYSTEMS

MARK	MANUFACTURER / MODEL#	VALVE TYPE	VALVE BODY SIZE (INCHES)	MAX. FLOW RATE CFH	INLET PRESSURE PSI	OUTLET PRESSURE INCHES WATER COLUMN	SERVICE	NOTES
GPR-1	PIETRO-FIORENTINI 31051	C	1/2"	552	1	7"	ROOFTOP UNIT	A, B, D, E, F, G, H & I

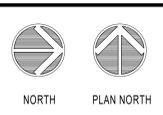
NOTES:
A. C = SELF CONTAINED "DIRECT ACTING" DIAPHRAGM TYPE WITH INTERNAL VENT LIMITER
B. DROOP = 1" WATER COLUMN MAXIMUM
C. DROOP = 2" WATER COLUMN MAXIMUM
D. 65# ALUMINUM BODY, SCREWED CONNECTIONS AND OVERPRESSURE PROTECTION TO 25#
E. MAXIMUM FLOW RATE SCHEDULED, MATCH BODY SIZE AND MAXIMUM FLOW RATE TO EQUIPMENT FLOW RATE. REFER TO EQUIPMENT SHOP DRAWINGS FOR EXACT LOADS
F. LISTED TO MEET ANSI Z21.80 / CSA 6.22 WITH CSA LISTING STAMP ON REGULATOR BODY
G. GAS PRESSURE REGULATOR INLET PRESSURE = OPERATING PRESSURE - DESIGN FRICTION LOSS
H. 2PSI MAXIMUM INLET PRESSURE & 1 PSI MINIMUM INLET PRESSURE
I. PROVIDE EXTERNAL VENT LIMITER (WHERE APPROVED BY LOCAL AUTHORITIES) FOR INDOOR INSTALLATION AND INSTAL PER SPECIFICATIONS. INSTALL OUTDOORS PER SPECIFICATIONS.

REVISION DATE BY

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MO. CORPORATE NO. E-5560
EXPRES 12/31/2020



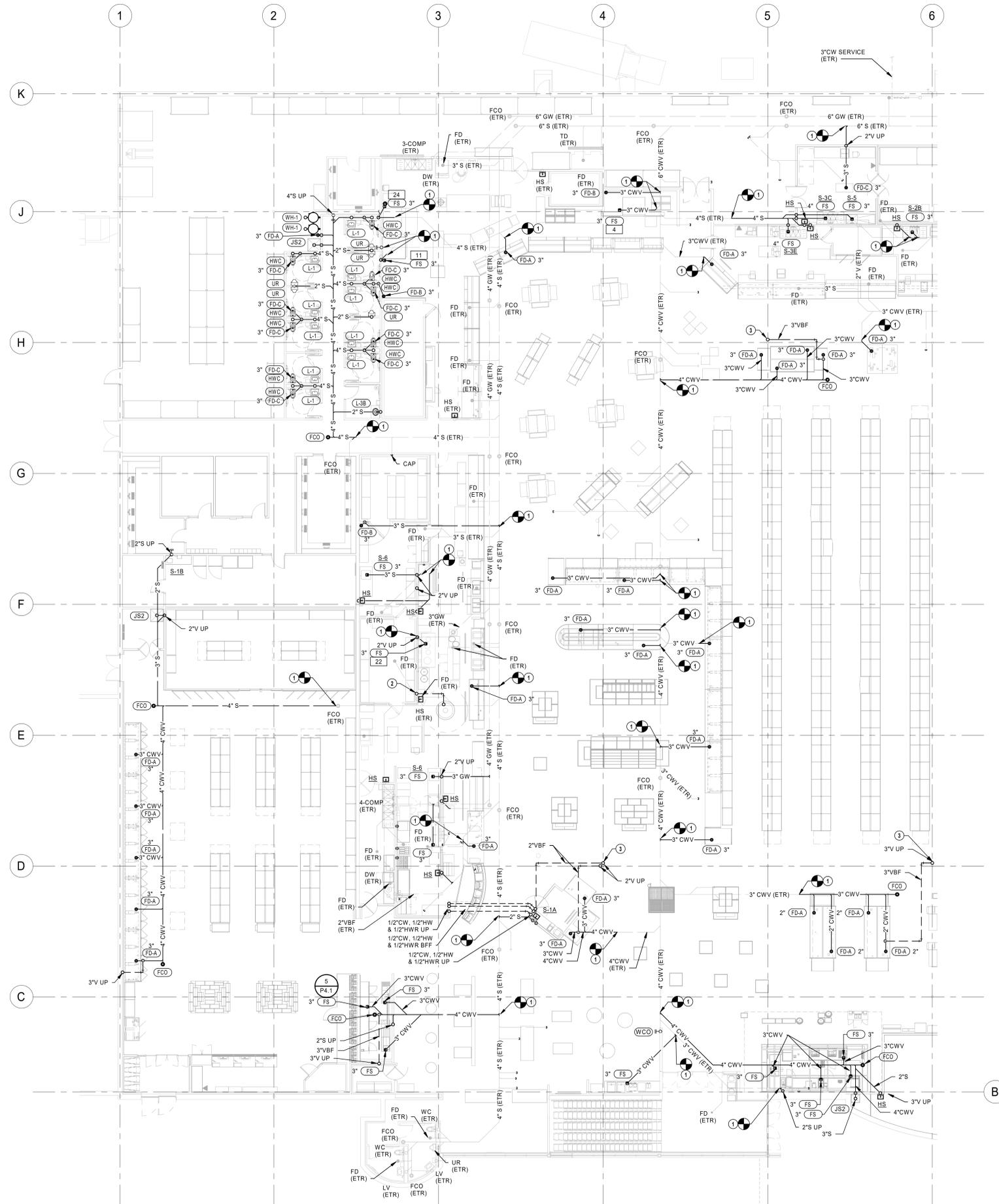
LOCATION
LEE'S SUMMIT, MO #2
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5820 WESTTOWN PARKWAY
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EMPLOYEE OWNED



PLUMBING SCHEDULES

PROJECT MANAGER	CHECKED BY
SL	HEI
DRAWN BY: HEI	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62830547

SHEET:
P0.1



- PLUMBING GENERAL NOTES**
- FURNISH AND INSTALL PLUMBING SYSTEMS IN ACCORDANCE WITH LOCAL AND STATE PLUMBING CODES.
 - ALL FLOOR DRAINS, FLOOR SINKS, AND TRENCH DRAINS OUTLETS AND BRANCH SANITARY ARE 3" UNLESS NOTED OTHERWISE.
 - ALL FLOOR CLEANOUTS ARE TO BE ACCESSIBLE AND NOT BENEATH MILLWORK, CASEWORK, SHELVES OR OTHER OBSTRUCTIONS. CLEANOUTS SHALL BE THE SAME SIZE AS PIPING BEING SERVED AND AT THE TRANSITION OF PIPE SIZE.
 - COORDINATE UNDERFLOOR PIPING ROUTING WITH REFRIGERATION AND ELECTRICAL CONTRACTORS.

- PLUMBING PLAN NOTES**
- CONNECT NEW SANITARY/GREASE WASTE PIPING INTO EXISTING PIPING. FIELD VERIFY EXACT LOCATION, SIZE AND INVERT PRIOR TO START OF WORK.
 - ROUTE 1 1/2" PIPE UNDERFLOOR IN 4" CONDUIT.
 - ROUTE VENT PIPING TIGHT TO COLUMN.

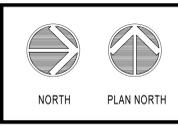
1 UNDERFLOOR PLUMBING PLAN - A
3/32" = 1'-0"

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PROFESSIONAL SEAL
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 JOSHUA N. HOVER
 NUMBER PE-2017008503
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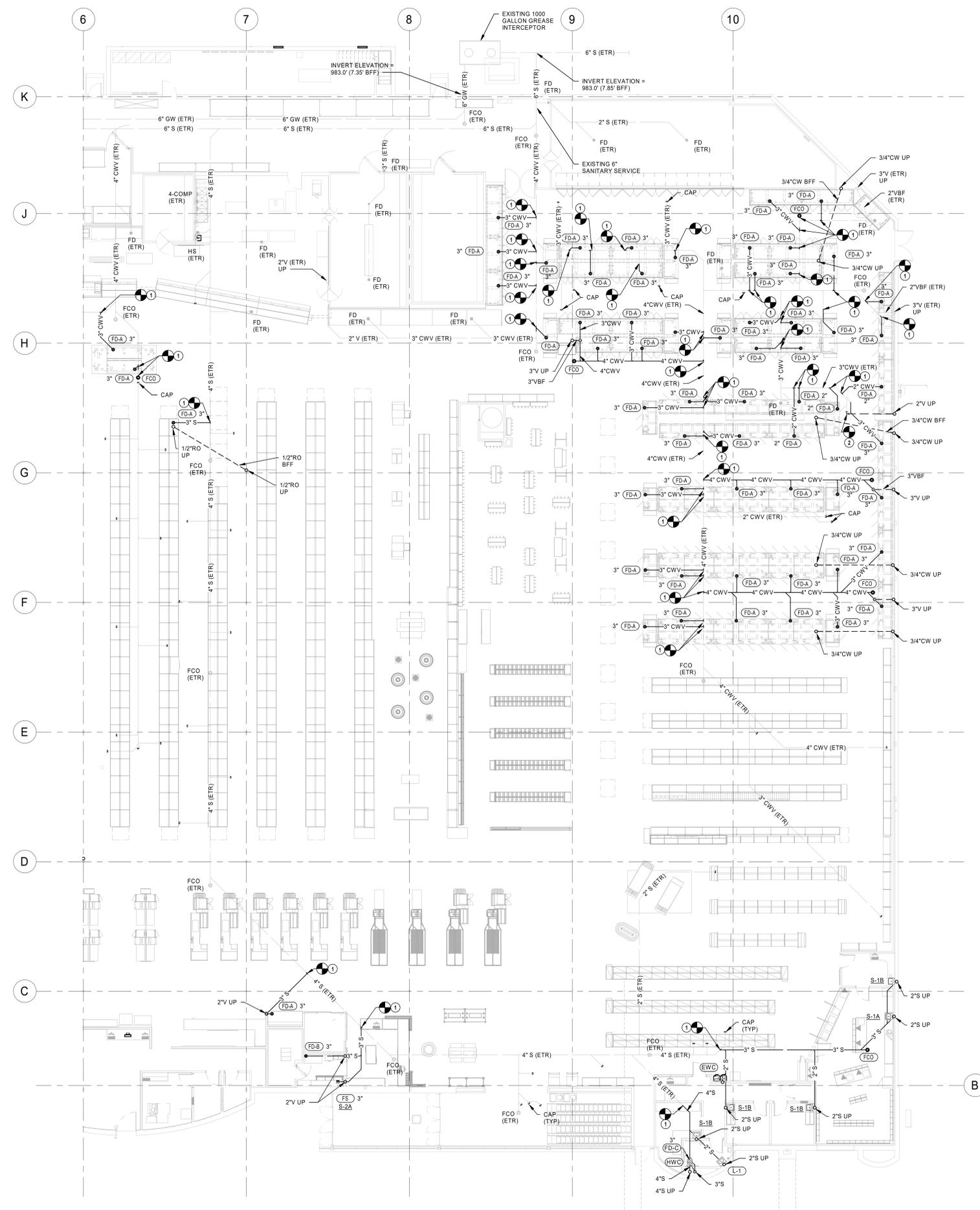
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UNDERFLOOR PLUMBING PLAN - A

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DRAWN BY:	DATE:
HEI	10/19/2020
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AS NOTED	62830547

SHEET:
P1.0A



1 UNDERFLOOR PLUMBING PLAN - B
3/32" = 1'-0"

PLUMBING GENERAL NOTES

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3. ALL FLOOR CLEANOUTS ARE TO BE ACCESSIBLE AND NOT BENEATH MILLWORK, CASEWORK, SHELVES OR OTHER OBSTRUCTIONS. CLEANOUTS SHALL BE THE SAME SIZE AS PIPING BEING SERVED AND AT THE TRANSITION OF PIPE SIZE.
4. COORDINATE UNDERFLOOR PIPING ROUTING WITH REFRIGERATION AND ELECTRICAL CONTRACTORS.

PLUMBING PLAN NOTES

1. CONNECT NEW SANITARY/GREASE WASTE PIPING INTO EXISTING PIPING. FIELD VERIFY EXACT LOCATION, SIZE AND INVERT PRIOR TO START OF WORK.
2. CONNECT NEW VENT PIPING TO EXISTING VENT PIPING AS FIELD CONDITIONS REQUIRE. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO START OF WORK.

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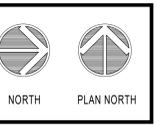
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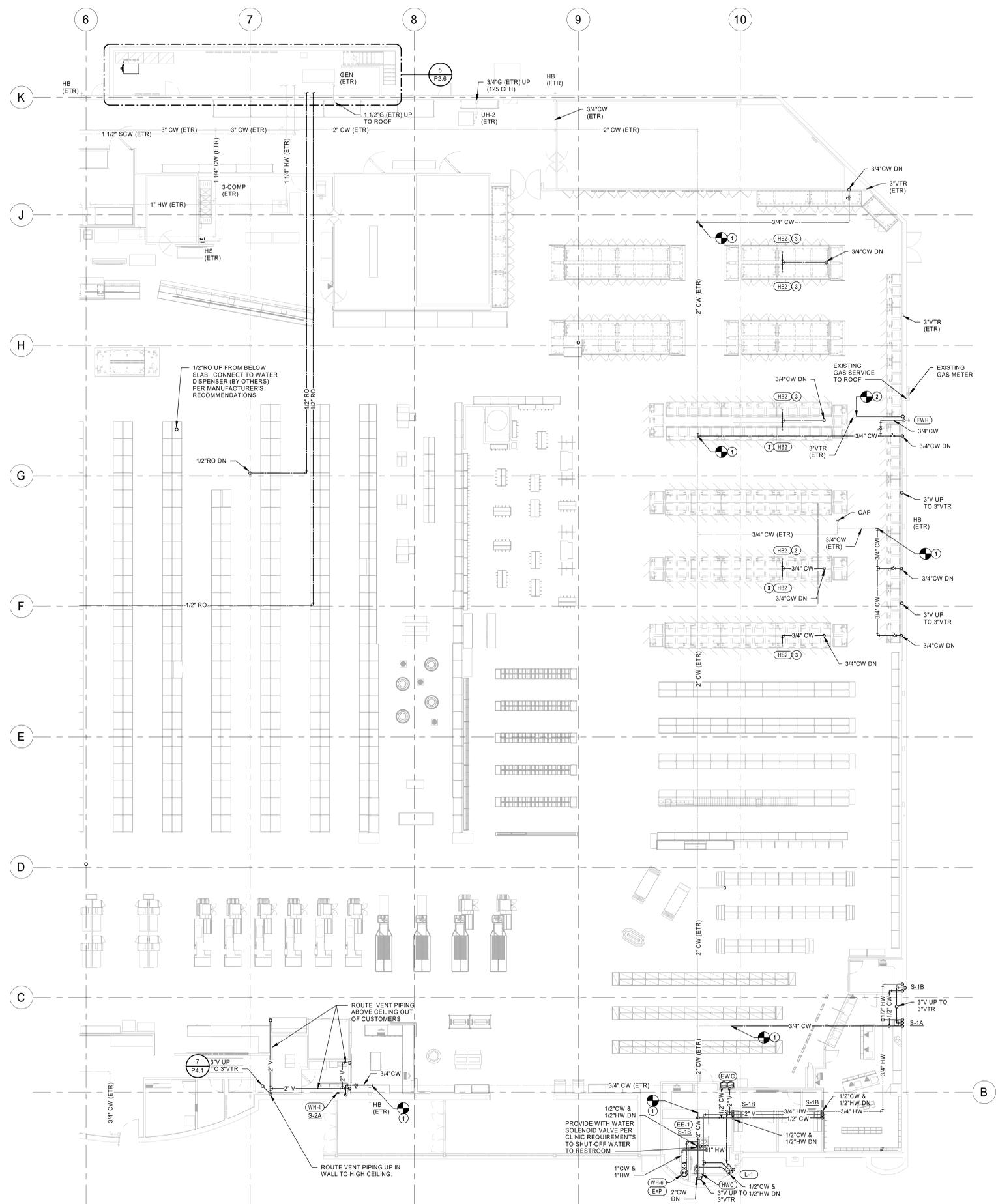
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UNDERFLOOR PLUMBING PLAN - B

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- COORDINATE UNDERFLOOR PIPING ROUTING WITH REFRIGERATION AND ELECTRICAL CONTRACTORS.
- ROUTE BRANCH PIPING 12" ABOVE THE ACCESSIBLE CEILING.

PLUMBING PLAN NOTES

- CONNECT NEW DOMESTIC WATER PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.
- CONNECT NEW VENT PIPING INTO EXISTING VTR. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.
- ROUTE CW PIPING ON TOP OF CASE. INSTALL AND SECURELY FASTEN HB2 IN CENTER OF CASE ARRANGEMENT.

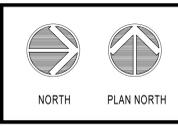
1 PLUMBING FLOOR PLAN - B
3/32" = 1'-0"

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PLUMBING FLOOR PLAN - B

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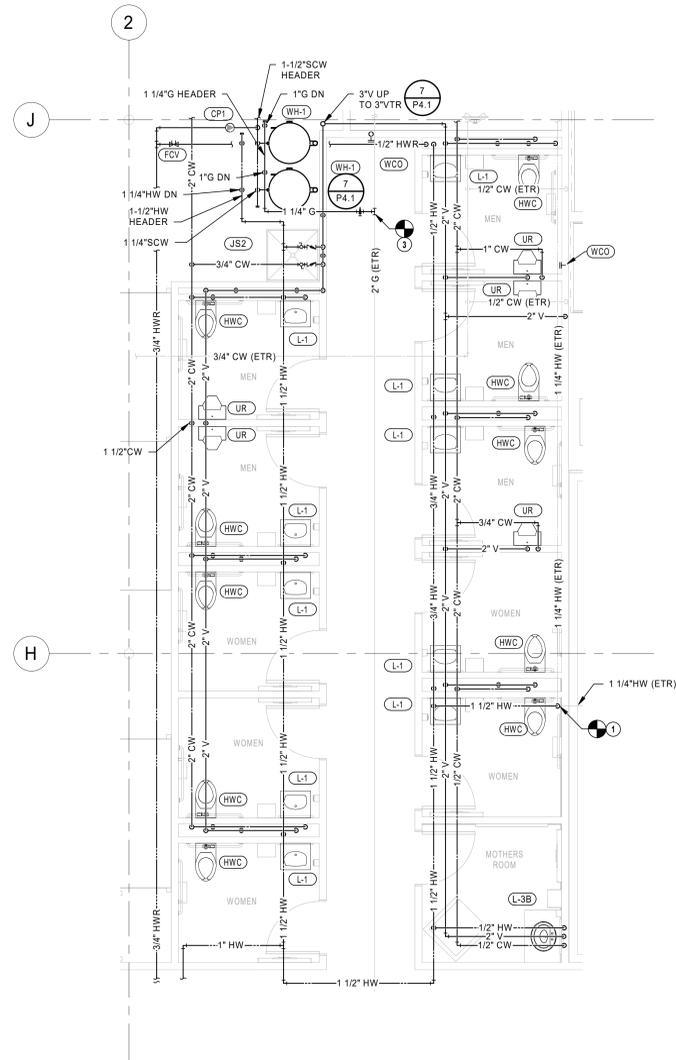
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PLUMBING GENERAL NOTES

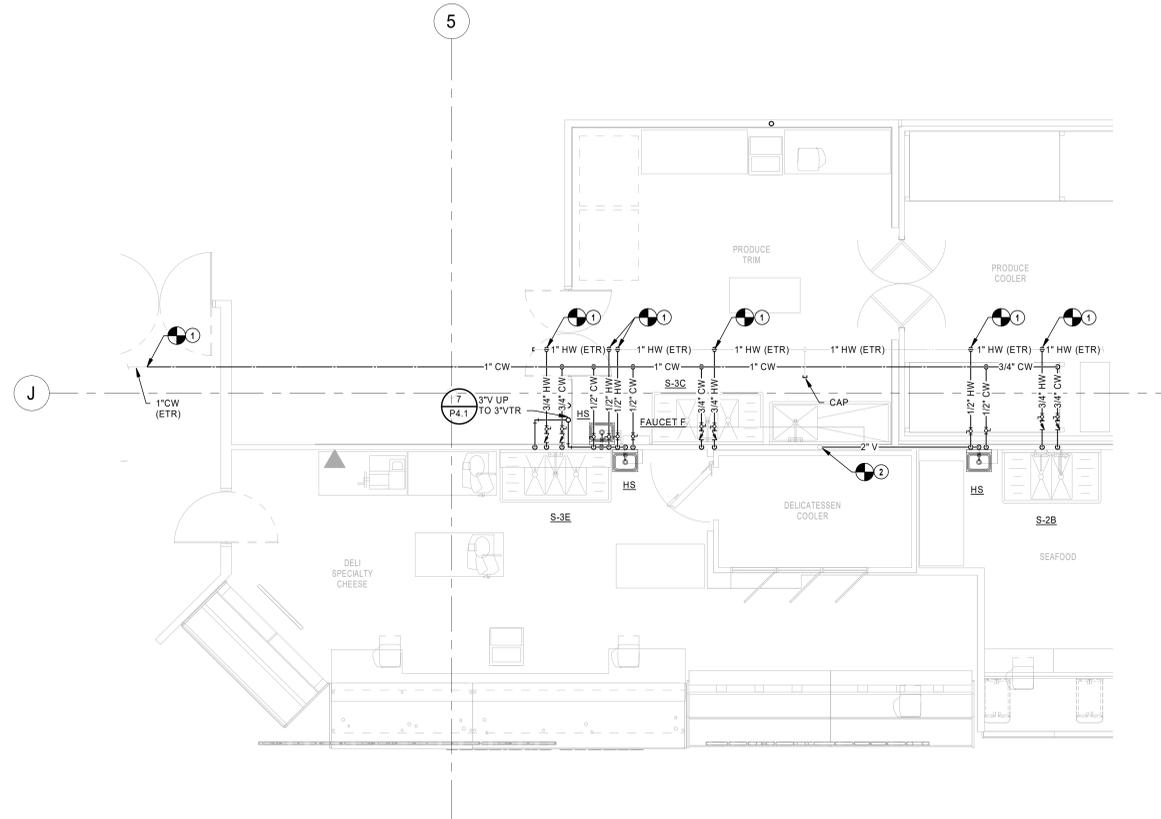
1. AVOID ROUTING IN EXTERIOR WALLS WHERE POSSIBLE. ALL PIPING TO BE ON THE WARM SIDE OF THE WALL INSULATION TO PROTECT AGAINST FREEZING.
2. INSTALL ISOLATION VALVES IN ALL FIXTURE BRANCHES AND UNDERFLOOR BRANCH PIPING. ENSURE VALVES ARE INSTALLED IN AN ACCESSIBLE LOCATION.
3. VERIFY LOCATION OF ALL EQUIPMENT REQUIRING PLUMBING (APPLIANCES, PLUMBING FIXTURES, HVAC, ETC.) PRIOR TO ROUGHING IN ANY PIPING.
4. PROVIDE BACKFLOW PREVENTERS THROUGHOUT STORE ONLY WHERE REQUIRED BY LOCAL AND STATE CODES. SEE BACKFLOW PREVENTER SPECIFICATIONS ON SHEET P0.0 AND "CROSS CONNECTION & BACKFLOW PREVENTER SCHEDULE" ON SHEET P4.0.
5. INSTALL ISOLATION VALVES ON THE INLET AND OUTLET ON ALL POINT OF USE WATER FILTERS.
6. COORDINATE PIPE ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.
7. ALL BACKFLOW PREVENTERS INSTALLED IN FOOD PREPARATION AREA MUST HAVE FABRICATED, CLEANABLE, STAINLESS STEEL COVERS.
8. ALL INDIRECT DRAIN LINES MUST BE INSTALLED +/- 6" A.F.F. AND NOT SUPPORTED FROM THE FLOOR.

PLUMBING PLAN NOTES

1. CONNECT NEW DOMESTIC WATER PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.
2. CONNECT NEW VENT PIPING TO EXISTING VENT PIPING AS FIELD CONDITIONS REQUIRE. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO START OF WORK.
3. CONNECT NEW GAS PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.



ENLARGED PLUMBING FLOOR PLANS -
 RESTROOMS
 1/4" = 1'-0"

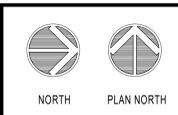


ENLARGED PLUMBING FLOOR PLANS -
 DELI
 1/4" = 1'-0"

HENDERSON
 ENGINEERS
 8345 LENEKA DRIVE, SUITE 300
 LENEKA, KS 66214
 TEL 913.742.5000 FAX 913.742.5001
 WWW.HENDERSONENGINEERS.COM

PROFESSIONAL SEAL
 STATE OF MISSOURI
 JOSHUA N. HOVER
 NUMBER
 PE-2017008503
 PROFESSIONAL ENGINEER
 Oct 23 2020
 JOSHUA N. HOVER
 LICENSE # PE-2017008503

LOCATION
LEE'S SUMMIT, MO #2
 310 SW WARD RD
 HY-VEE INC.
 5820 WESTOWN PARKWAY
 WEST DES MOINES, IOWA 50386
 TEL: (515) 281-2600
 FAX: (515) 281-2636
HyVee
 EMPLOYEE OWNED



PLUMBING ENLARGED PLANS

PROJECT MANAGER SL	CHECKED BY HEI
DRAWN BY HEI	DATE 10/19/2020
SCALE AS NOTED	JOB NUMBER 62830547

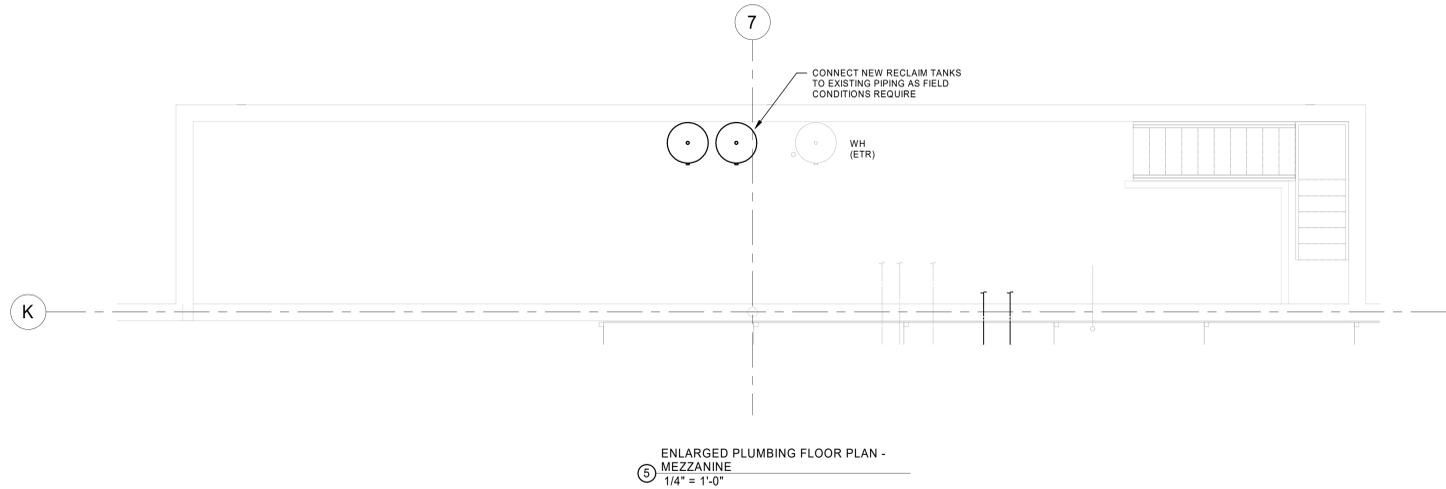
SHEET:
P2.5

PLUMBING GENERAL NOTES

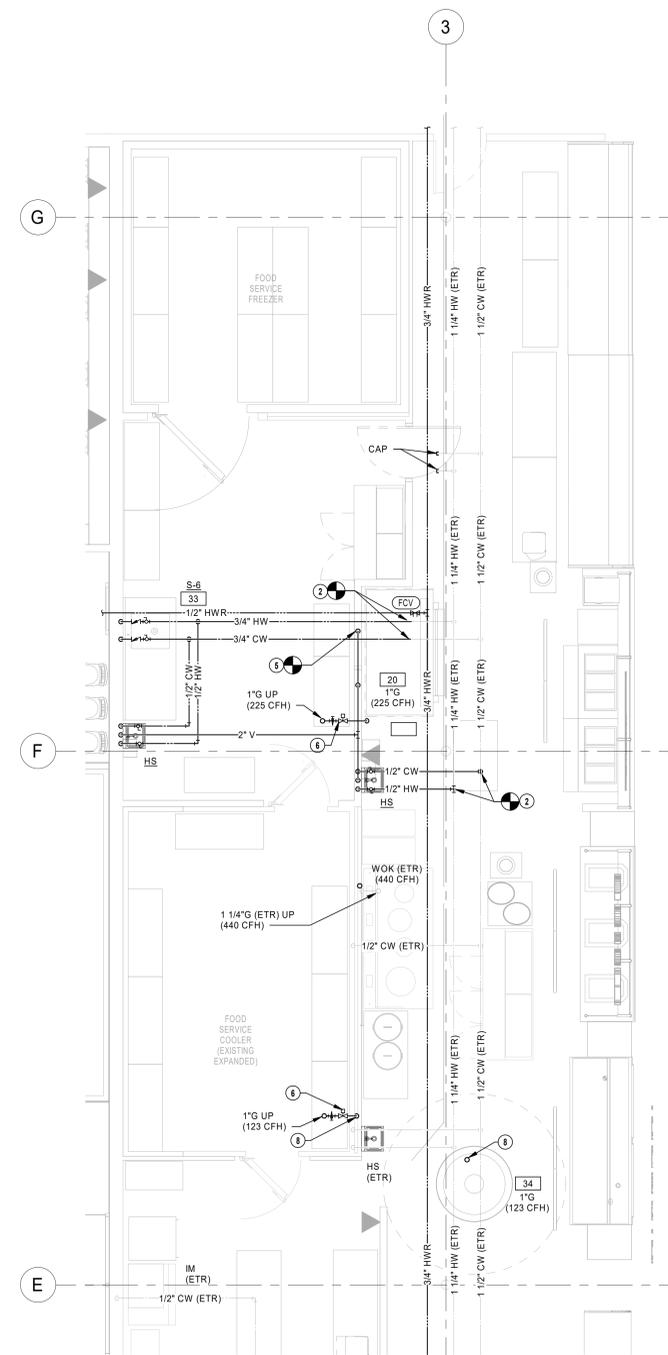
1. AVOID ROUTING IN EXTERIOR WALLS WHERE POSSIBLE. ALL PIPING TO BE ON THE WARM SIDE OF THE WALL INSULATION TO PROTECT AGAINST FREEZING.
2. INSTALL ISOLATION VALVES IN ALL FIXTURE BRANCHES AND UNDERFLOOR BRANCH PIPING. ENSURE VALVES ARE INSTALLED IN AN ACCESSIBLE LOCATION.
3. VERIFY LOCATION OF ALL EQUIPMENT REQUIRING PLUMBING (APPLIANCES, PLUMBING FIXTURES, HVAC, ETC.) PRIOR TO ROUGHING IN ANY PIPING.
4. PROVIDE BACKFLOW PREVENTERS THROUGHOUT STORE ONLY WHERE REQUIRED BY LOCAL AND STATE CODES. SEE BACKFLOW PREVENTER SPECIFICATIONS ON SHEET P0.0 AND "CROSS CONNECTION & BACKFLOW PREVENTER SCHEDULE" ON SHEET P4.0.
5. INSTALL ISOLATION VALVES ON THE INLET AND OUTLET ON ALL POINT OF USE WATER FILTERS.
6. COORDINATE PIPE ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.
7. ALL BACKFLOW PREVENTERS INSTALLED IN FOOD PREPARATION AREA MUST HAVE FABRICATED, CLEANABLE, STAINLESS STEEL COVERS.
8. ALL INDIRECT DRAIN LINES MUST BE INSTALLED +/- 6" A.F.F. AND NOT SUPPORTED FROM THE FLOOR.

PLUMBING PLAN NOTES

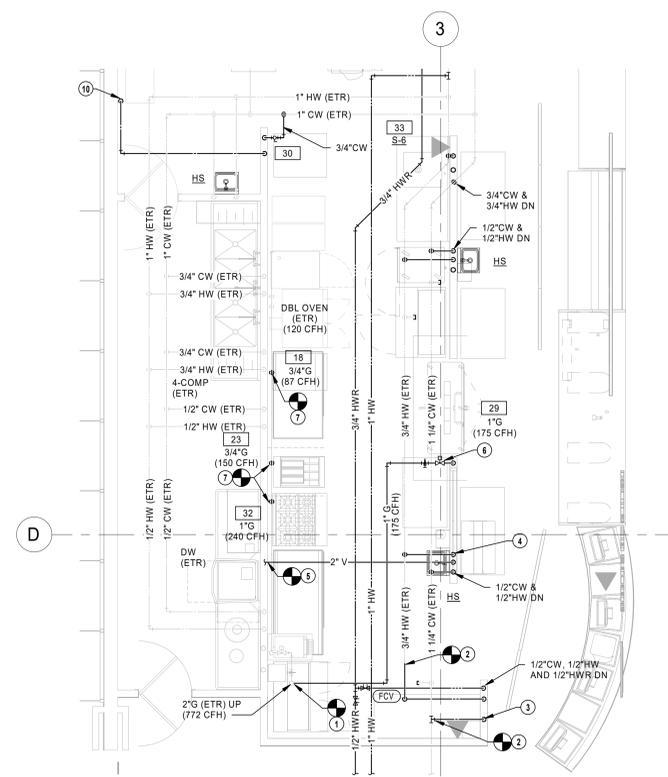
1. CONNECT NEW GAS PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.
2. CONNECT NEW DOMESTIC WATER PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.
3. ROUTE 1/2" CW AND 1/2" HW DOWN IN WALL TO BELOW SLAB. RE: P1.0 FOR CONTINUATION.
4. 1/2" CW, 1/2" HW AND 1-1/2" V DOWN IN WALL SECTION BESIDE WINDOW.
5. CONNECT NEW VENT PIPING TO EXISTING VENT PIPING AS FIELD CONDITIONS REQUIRE. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO START OF WORK.
6. INSTALL MECHANICAL GAS VALVE FURNISHED BY IOWA FIRE EQUIPMENT COMPANY IN SERVICEABLE LOCATION AS NEAR TO THE HOOD AS POSSIBLE. COORDINATE REQUIREMENTS WITH IOWA FIRE EQUIPMENT COMPANY.
7. CONNECT NEW GAS COOKING EQUIPMENT TO EXISTING GAS HEADER AS FIELD CONDITIONS REQUIRE. MAKE FINAL CONNECTION TO EQUIPMENT PER MANUFACTURER'S REQUIREMENTS.
8. ROUTE 1" G PIPE UNDERFLOOR IN 4" CONDUIT.
9. 1" CW, 1" HW AND 1/2" HW DOWN IN WALL. ROUTE IN WALL TO EACH FIXTURE AND CONNECT AS REQUIRED. ROUTE 1/2" HW TO END OF HOT WATER PIPING AND CONNECT TO HOT WATER PIPING TO COMPLETE HOT WATER RETURN LOOP.
10. ROUTE 3/4" FW DOWN TO BAG-IN-BOX SYSTEM AND PROVIDE STAINLESS STEEL BFP-2 AS SCHEDULED ON P4.1. ROUTE 1/2" FW TO EACH SODA MACHINE IN CONDUIT WHERE INDICATED ON PLANS.



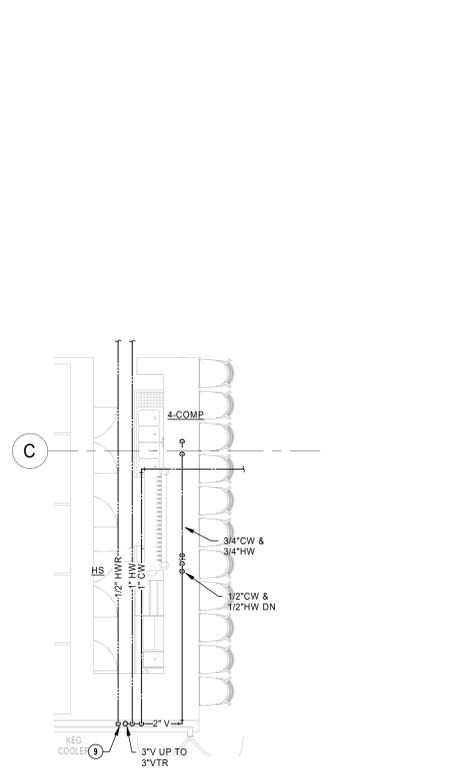
ENLARGED PLUMBING FLOOR PLAN - MEZZANINE
1/4" = 1'-0"



ENLARGED PLUMBING FLOOR PLANS - DELI/ITALIAN/ASIAN
1/4" = 1'-0"



ENLARGED PLUMBING FLOOR PLANS - KITCHEN
1/4" = 1'-0"

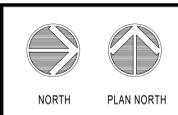


ENLARGED PLUMBING FLOOR PLANS - BAR
1/4" = 1'-0"

HENDERSON ENGINEERS
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PROFESSIONAL SEAL
STATE OF MISSOURI
JOSHUA N. HOVER
NUMBER PE-2017008503
Oct 23 2020
JOSHUA N. HOVER
LICENSE # PE-2017008503

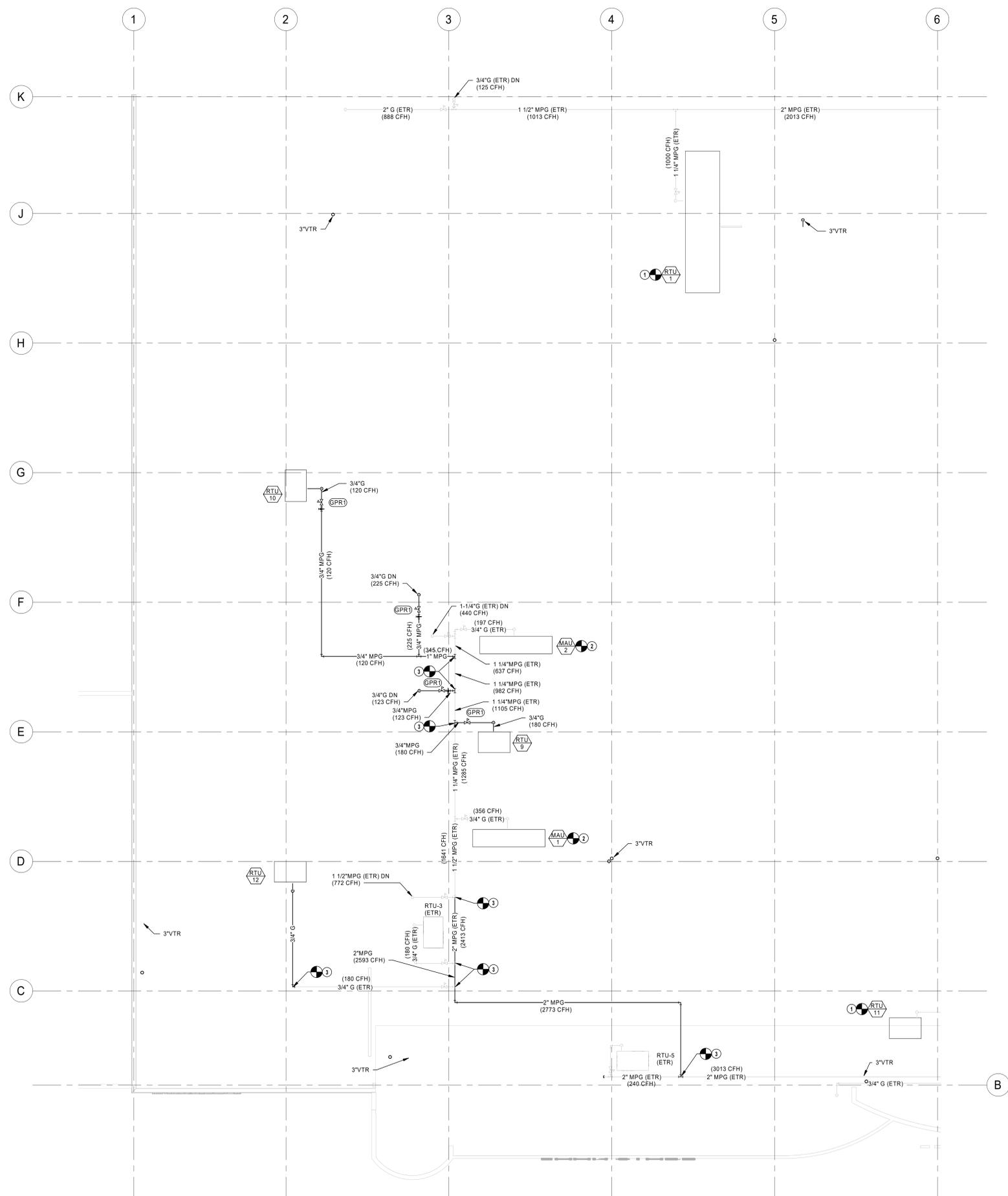
LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD
HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50386
TEL (515) 267-2800
FAX (515) 267-2838
EMPLOYEE OWNED



PLUMBING ENLARGED PLANS

PROJECT MANAGER SL	CHECKED BY HEI
DRAWN BY HEI	DATE 10/19/2020
SCALE AS NOTED	JOB NUMBER 62930547

SHEET:
P2.6



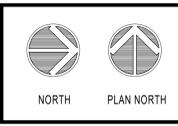
- PLUMBING PLAN NOTES**
- CONNECT NEW ROOFTOP UNIT TO EXISTING GAS PIPING AS FIELD CONDITIONS REQUIRE.
 - CONNECT NEW MAKE-UP AIR UNIT TO EXISTING GAS PIPING AS FIELD CONDITIONS REQUIRE.
 - CONNECT NEW GAS PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.

REVISION	DATE BY

HENDERSON ENGINEERS
 8345 LENEKA DRIVE, SUITE 300
 LENEKA, KS 66214
 TEL 913.742.5000 FAX 913.742.5001
 WWW.HENDERSONENGINEERS.COM

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 STATE OF MISSOURI
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 JOSHUA N. HOVER
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LOCATION
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 310 SW WARD RD
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 5820 WESTOWN PARKWAY
 WEST DES MOINES, IOWA 50386
 TEL (515) 267-2800
 FAX (515) 267-2838
Hy-Vee
 EMPLOYEE OWNED

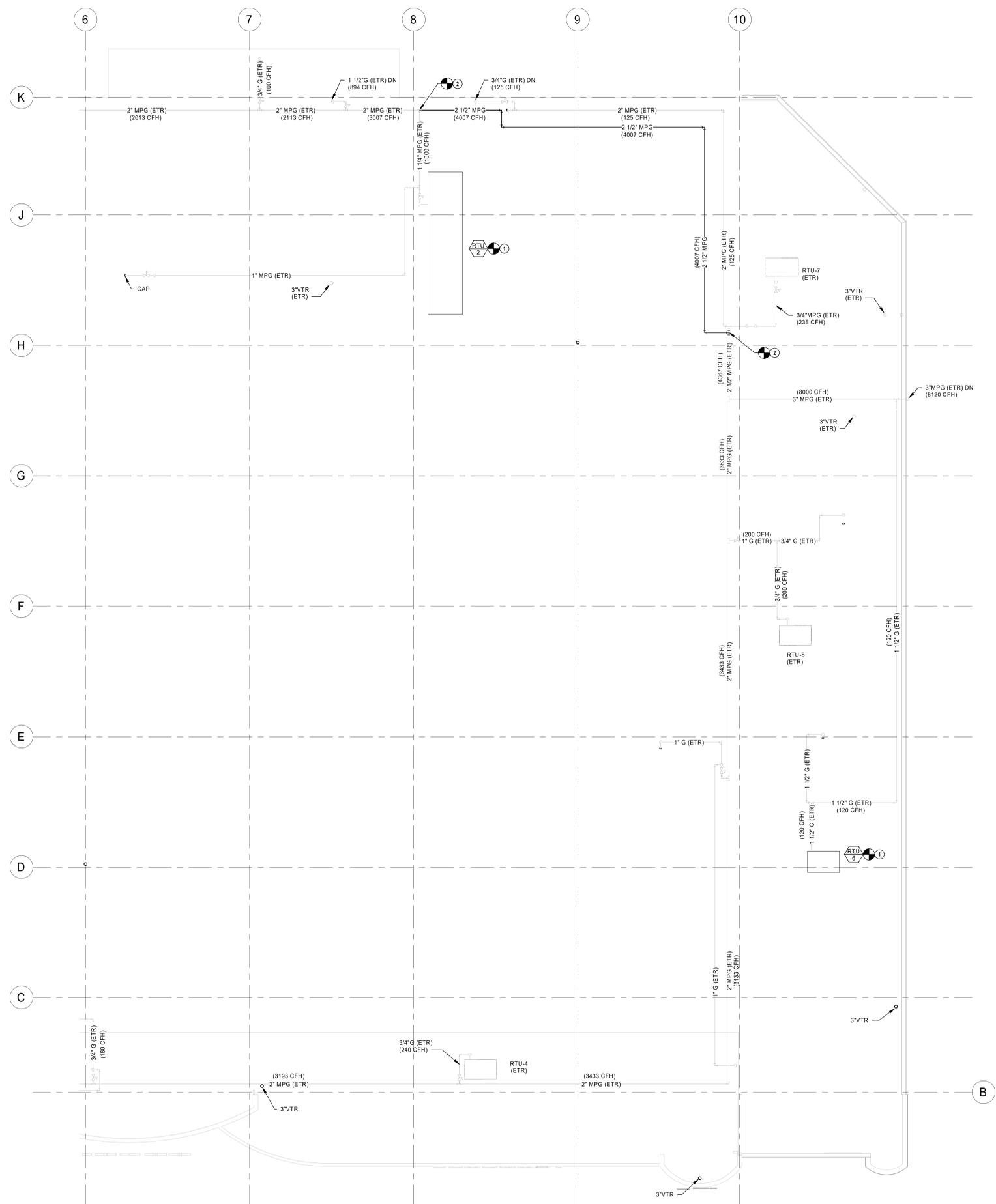


PLUMBING ROOF PLAN - A

PROJECT MANAGER	CHECKED BY
SL	HEI
DRAWN BY: HEI	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62830547

SHEET: **P3.0A**

1 PLUMBING ROOF PLAN - A
 3/32" = 1'-0"



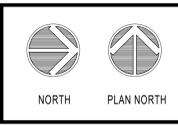
- PLUMBING PLAN NOTES**
- CONNECT NEW ROOFTOP UNIT TO EXISTING GAS PIPING AS FIELD CONDITIONS REQUIRE.
 - CONNECT NEW GAS PIPING TO EXISTING PIPING. FIELD VERIFY EXACT LOCATION AND SIZE PRIOR TO START OF WORK.

REVISION	DATE BY

HENDERSON ENGINEERS
 8345 LENEKA DRIVE, SUITE 300
 LENEKA, KS 66214
 TEL 913.742.5000 FAX 913.742.5001
 WWW.HENDERSONENGINEERS.COM
 1950003081
 MO. CORPORATE NO. E-5560
 EXPIRES 12/31/2020



LOCATION
LEE'S SUMMIT, MO #2
 310 SW WARD RD
 HY-VEE, INC.
 5820 WESTOWN PARKWAY
 WEST DES MOINES, IOWA 50386
 TEL: (515) 281-2800
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Hy-vee
 EMPLOYEE OWNED



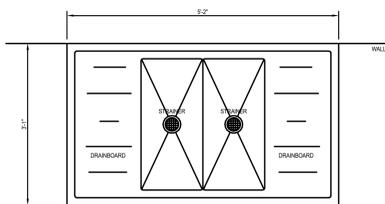
PLUMBING ROOF PLAN - B

PROJECT MANAGER	CHECKED BY
SL	HEI
DRAWN BY:	DATE:
HEI	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62830547
SHEET:	

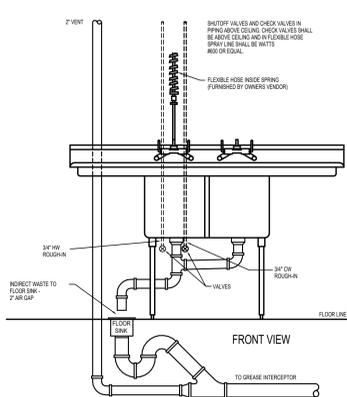
P3.0B

1 PLUMBING ROOF PLAN - B
 3/32" = 1'-0"

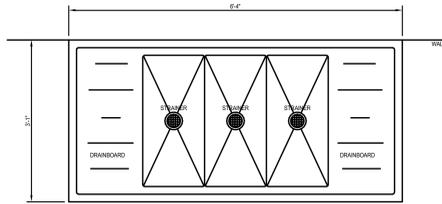
JOSHUA N. HOVER
 10/22/2020 4:08:35 PM



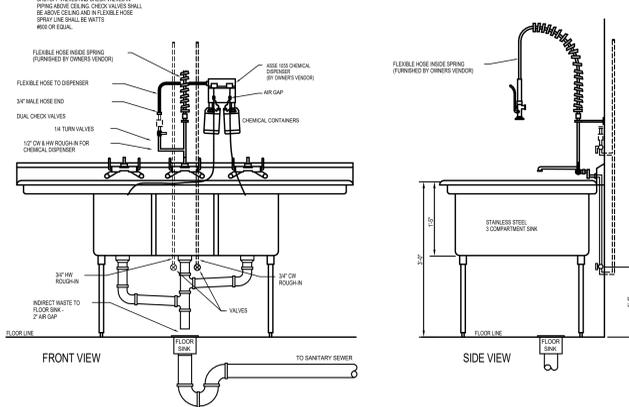
TOP VIEW



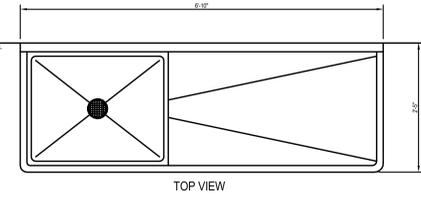
SEAFOOD / SERVICE MEAT SINK - S-2B
SCALE: 3/4" = 1'-0"



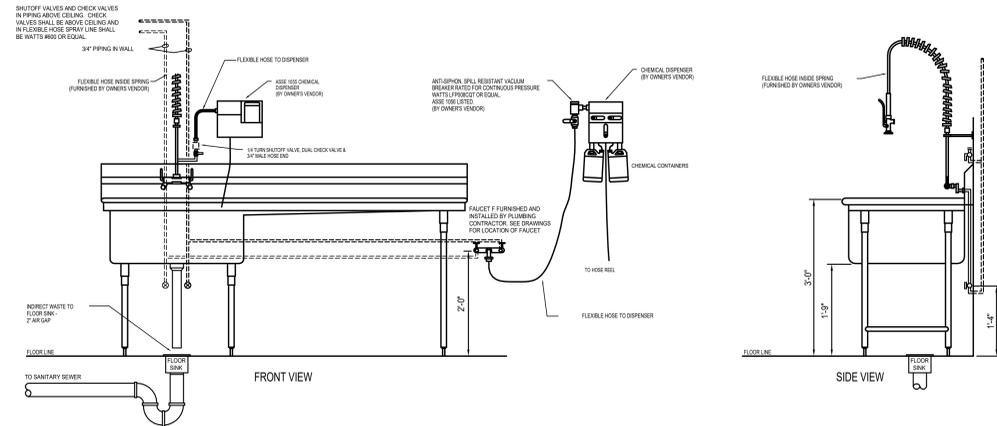
TOP VIEW



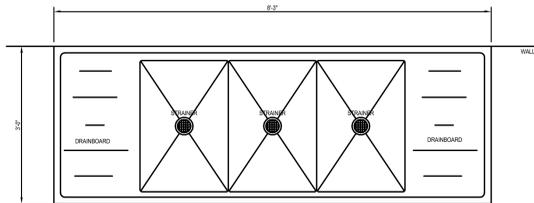
SALAD PREP SINK - S-3C
SCALE: 3/4" = 1'-0"



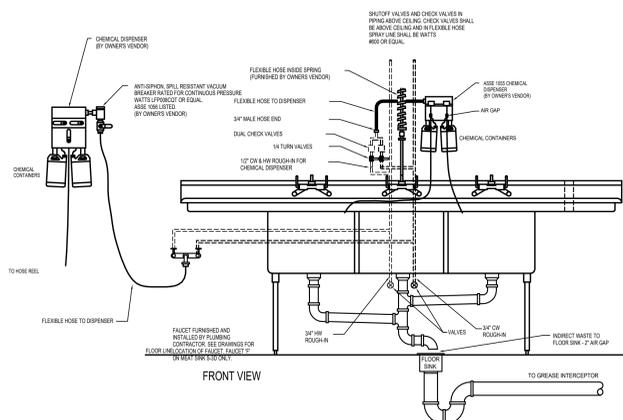
TOP VIEW



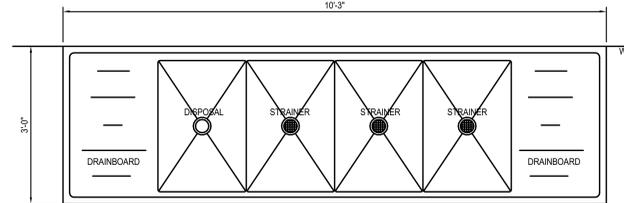
PRODUCE SINK - S-5
SCALE: 3/4" = 1'-0"



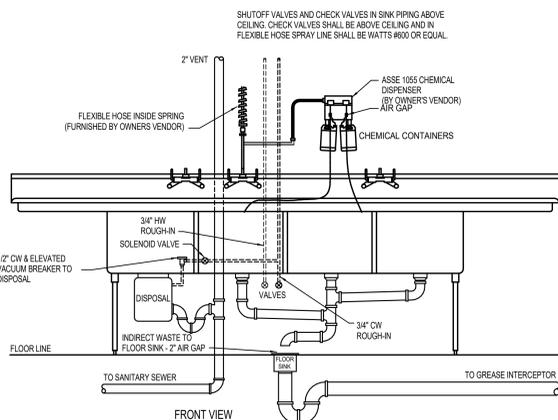
TOP VIEW



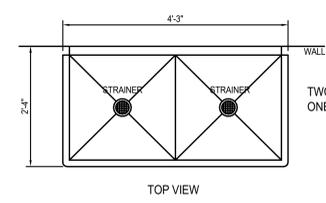
BAKERY SINK - S-3B, MEAT SINK - S-3D, or DELI SINK S-3E
SCALE: 3/4" = 1'-0"



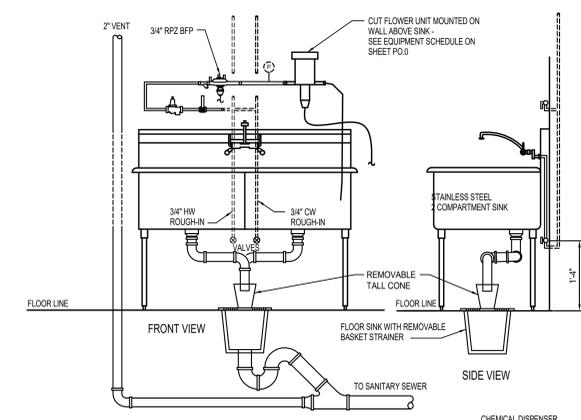
TOP VIEW



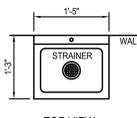
KITCHEN or ASIAN SINK - S-4
SCALE: 3/4" = 1'-0"



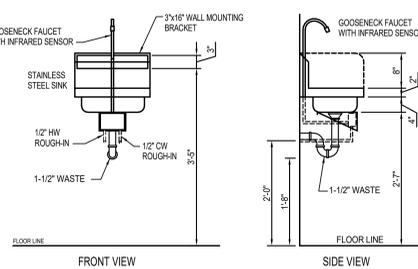
TOP VIEW



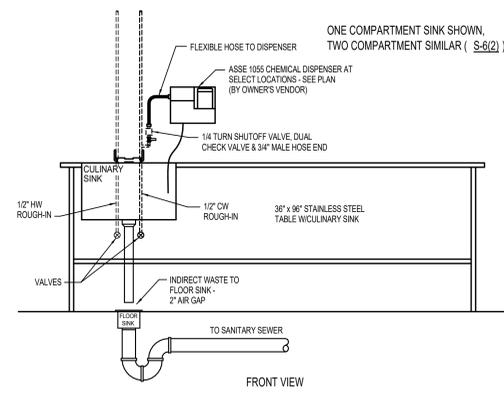
FLORAL SINK - S-2A
SCALE: 3/4" = 1'-0"



TOP VIEW



HAND SINK - HS
SCALE: 3/4" = 1'-0"



CULINARY SINK - S-6
SCALE: 3/4" = 1'-0"

MULTI-COMPARTMENT SINK SCHEDULE

MARK	MFR/MODEL	DESCRIPTION
S-2A	JOHN BOOS T&S B-0230LN/040904	2 COMPARTMENT FLORAL SINK FAUCET WITH 1/2" THREADED SPOUT AND VACUUM BREAKER
S-2B	JOHN BOOS T&S B-0133-B T&S B-0230LN/040903 T&S 3952	2 COMPARTMENT SEAFOOD/SERVICE MEAT SINK PRE-RINSE FAUCET WITH 8" THREADED SPOUT AND VACUUM BREAKER LEVER WASTE
S-3B	JOHN BOOS T&S B-0133-B T&S B-0231 T&S B-0230LN/040903 T&S 3952	3 COMPARTMENT BAKERY SINK PRE-RINSE 12" SPOUT FAUCET FAUCET WITH 8" THREADED SPOUT AND VACUUM BREAKER LEVER WASTE
S-3C	JOHN BOOS T&S B-0133-B T&S B-0231 T&S B-0230LN/040903 T&S 3952	3 COMPARTMENT SALAD PREP SINK PRE-RINSE 12" SPOUT FAUCET FAUCET WITH 8" THREADED SPOUT AND VACUUM BREAKER LEVER WASTE
S-3D	JOHN BOOS T&S B-0133-B T&S B-0231 T&S B-0230LN/040903 T&S 3952	3 COMPARTMENT MEAT SINK PRE-RINSE 12" SPOUT FAUCET FAUCET WITH 8" THREADED SPOUT AND VACUUM BREAKER LEVER WASTE
S-3E	JOHN BOOS T&S B-0133-B T&S B-0231 T&S B-0230LN/040903 T&S 3952	3 COMPARTMENT DELI SINK PRE-RINSE 12" SPOUT FAUCET FAUCET WITH 8" THREADED SPOUT AND VACUUM BREAKER LEVER WASTE

MARK	MFR/MODEL	DESCRIPTION
S-4	JOHN BOOS T&S B-0133-B T&S B-0230LN/040903 T&S 3952	4 COMPARTMENT KITCHEN or ASIAN SINK PRE-RINSE 18" SPOUT FAUCET FAUCET WITH 8" THREADED SPOUT AND VACUUM BREAKER LEVER WASTE
S-5	JOHN BOOS	PRODUCE SINK
S-6	JOHN BOOS	CULINARY SINK
HS	JOHN BOOS	HAND SINK

MULTI-COMPARTMENT SINK NOTES

- ALL SINKS FAUCETS, STRAINERS, SPRAYHEAD ASSEMBLIES, KNEE VALVES, AND CONTROLS SHOWN HERE ARE FURNISHED BY HY-VEE AND INSTALLED BY PLUMBER.
- PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ROUGH-INS, PIPING, STOP VALVES, VACUUM BREAKER AND CHECK VALVES FOR COMPLETE INSTALLATION OF SINKS AND TRIM.
- ALL PIPE SIZES ARE SHOWN I.P.S.
- SECURE ALL SINKS TO WALL WITH CHROME PLATED 4" SCREWS
- ALL EXPOSED SINK WASTE LINES AND WATER LINES LESS THAN 2" DIAMETER SHALL BE CHROME PLATED, 2" DIAMETER AND LARGER SHALL BE WHITE PVC.
- SINK DETAILS ON THIS SHEET ARE FOR INFORMATION ONLY. INTENDED TO SHOW QUANTITY OF HOORUPS AND GENERAL LAYOUT OF ITEMS FURNISHED BY HY-VEE. PLUMBING CONTRACTOR TO VERIFY EXACT LOCATIONS OF WATER AND WASTE AND VENT ROUGH-INS PRIOR TO INSTALLING ANY PIPING.

NOTE: SEE FIXTURE AND EQUIPMENT PLAN FOR ORIENTATION OF SINKS (RIGHT or LEFT HAND)

HENDERSON ENGINEERS
8345 LENEKA DRIVE, SUITE 300
LENEKA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM

PROFESSIONAL SEAL
STATE OF MISSOURI
JOSHUA N. HOVER
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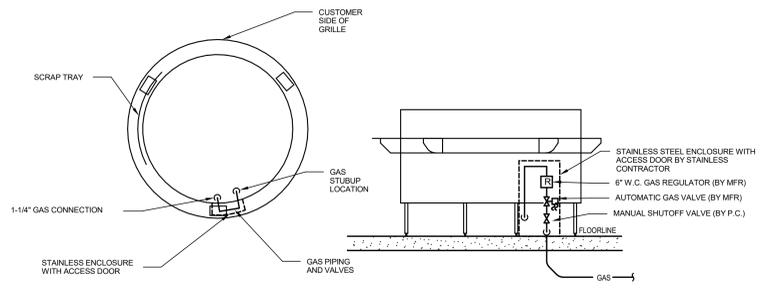
LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD
HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50386
TEL (515) 281-2600
FAX (515) 281-2636
EMPLOYEE OWNED

NORTH PLAN NORTH

SINK DETAILS

PROJECT MANAGER	CHECKED BY
SL	HEI
DRAWN BY: HEI	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62830547
SHEET:	

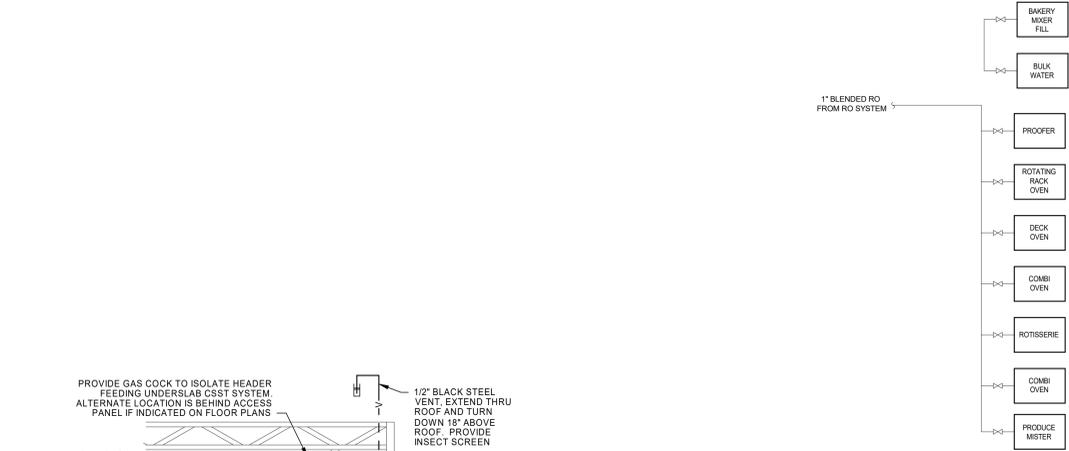
P4.0



GENERAL NOTES:

- 1. PIPE GAS SO THAT PIPING DOES NOT OBSTRUCT ACCESS DOORS OR BURNER VALVES ON EQUIPMENT.

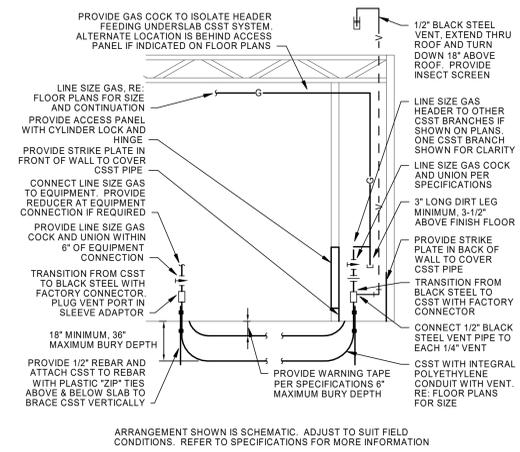
13 MONGOLIAN GRILLE PIPING DETAIL NTS



GENERAL NOTES:

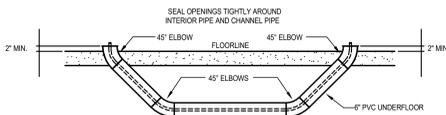
- 1. EACH PIECE OF EQUIPMENT SHALL HAVE A QUARTER TURN BALL VALVE BETWEEN THE ROUGH-IN AND THE EQUIPMENT.
- 2. EXPOSED PIPING SHALL BE MINIMIZED. ROUGH-INS AND LONG LENGTHS TO EQUIPMENT SHALL BE CONCEALED IN THE WALL & VISIBLE TO CUSTOMERS. COORDINATE ROUGH-IN HEIGHTS WITH THE EQUIPMENT BOOK.
- 3. SEE PLAN FOR EQUIPMENT LOCATIONS

14 RO RISER DIAGRAM NTS

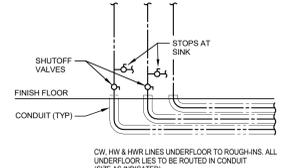


ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. REFER TO SPECIFICATIONS FOR MORE INFORMATION

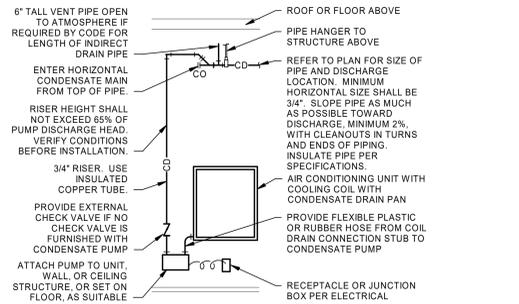
12 UNDERGROUND CSST WITH INTEGRAL CONDUIT INSTALLATION DETAIL NTS



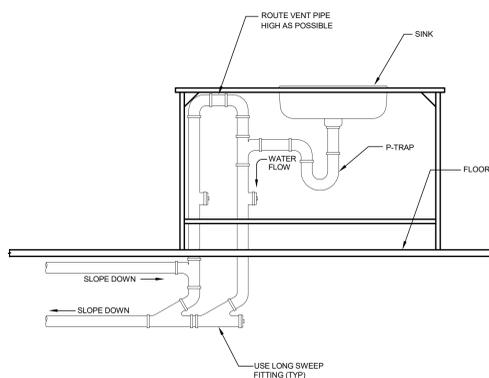
11 PVC UNDERFLOOR CONDUIT DETAIL NTS



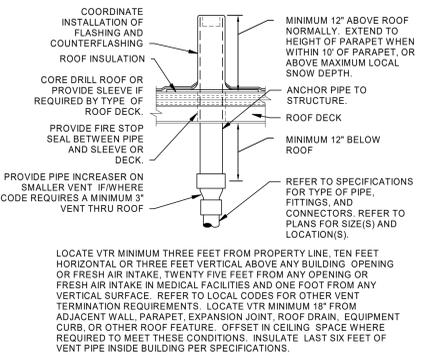
10 SHUTOFF VALVE DETAIL @ CW & HW PIPING UNDERFLOOR NTS



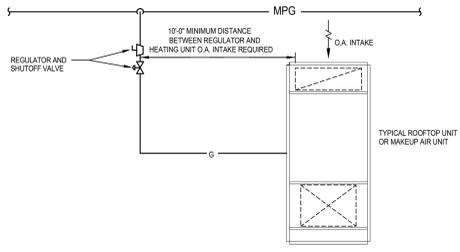
9 CONDENSATE PUMP NTS



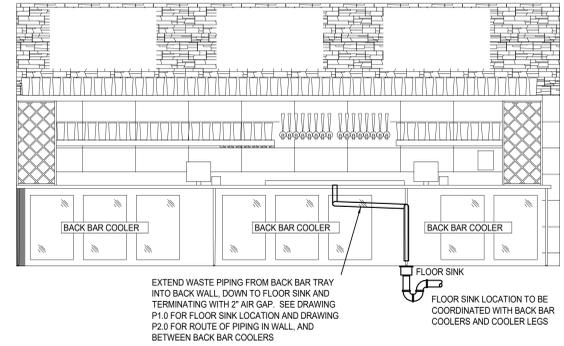
8 ISLAND LOOP VENT DETAIL NTS



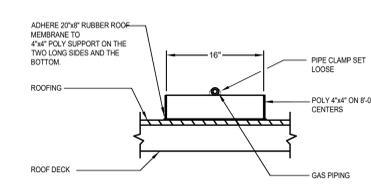
7 VENT THRU ROOF NTS



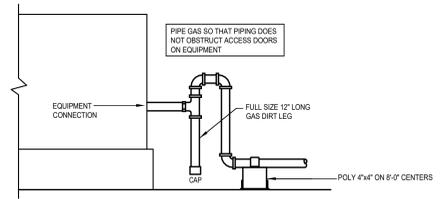
6 GAS REGULATOR MINIMUM DISTANCE NTS



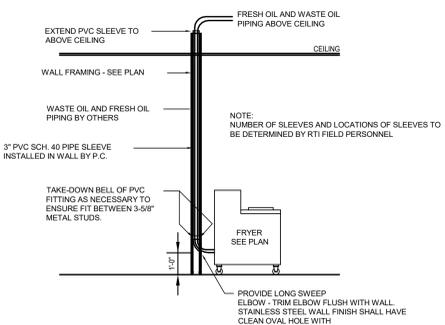
5 INDIRECT WASTE AT BACK BAR NTS



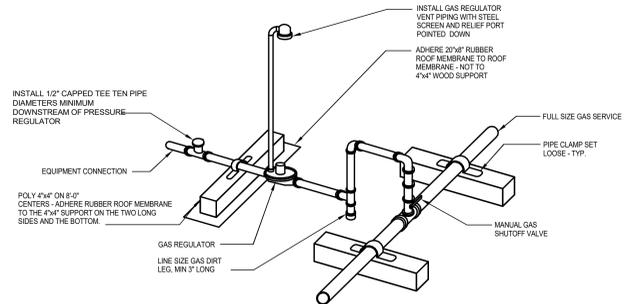
4 GAS PIPE SUPPORT ON ROOF NTS



3 GAS DIRT LEG AT EQUIPMENT NTS



2 FRYER OIL PIPING DETAIL NTS



GENERAL NOTES:

- 1. PIPE GAS SO THAT PIPING DOES NOT OBSTRUCT ACCESS DOORS ON EQUIPMENT.
- 2. MAINTAIN A MINIMUM OF 18 FEET BETWEEN REGULATOR VENT AND FRESH AIR INTAKES.
- 3. DOWN-TURNED REGULATOR VENT SHALL HAVE AN INSECT SCREEN OR OTHER MEANS OF PROTECTION. PLASTIC VENT PROTECTOR CAPS WILL NOT BE ACCEPTED.

1 TYPICAL BRANCH GAS PIPING DETAIL AT UNIT NTS

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1950003081
 MO. CORPORATE NO. E-5560
 EXPIRES 12/31/2020

PROFESSIONAL SEAL
 STATE OF MISSOURI
 JOSHUA N. HOVER
 NUMBER PE-2017008503
 PROFESSIONAL ENGINEER

Oct 23 2020
 JOSHUA N. HOVER
 LICENSE # PE-2017008503

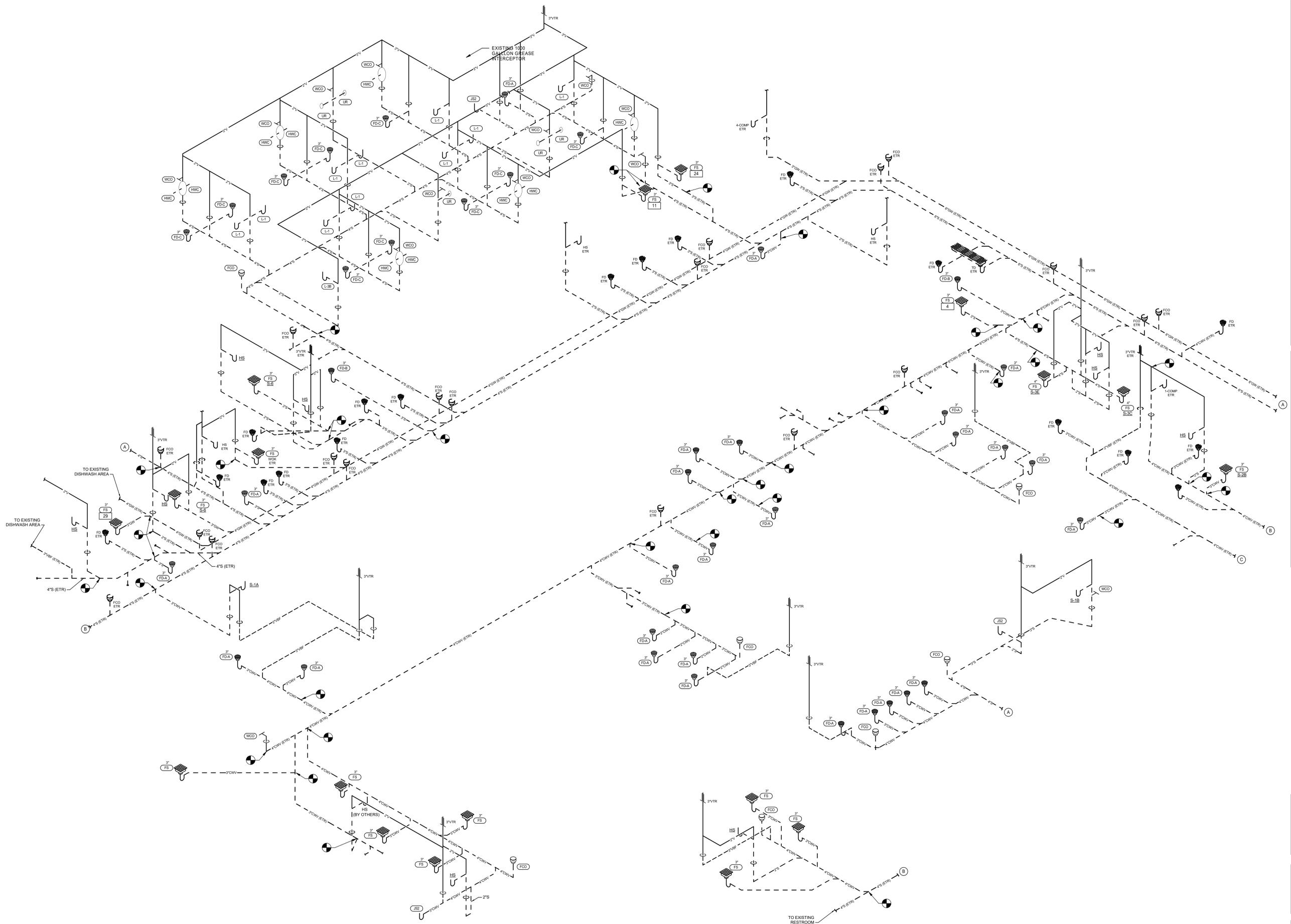
LOCATION
LEE'S SUMMIT, MO #2
 310 SW WARD RD
 HY-VEE INC.
 5820 WEST TOWN PARKWAY
 WEST DES MOINES, IOWA 50386
 TELEPHONE (515) 281-2600
 FAX (515) 267-4636

Hy-Vee
 EMPLOYEE OWNED

NORTH PLAN NORTH

PLUMBING DETAILS

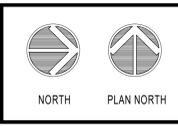
PROJECT MANAGER: SL
 CHECKED BY: HEI
 DRAWN BY: HEI
 DATE: 10/19/2020
 SCALE: AS NOTED
 JOB NUMBER: 62830547



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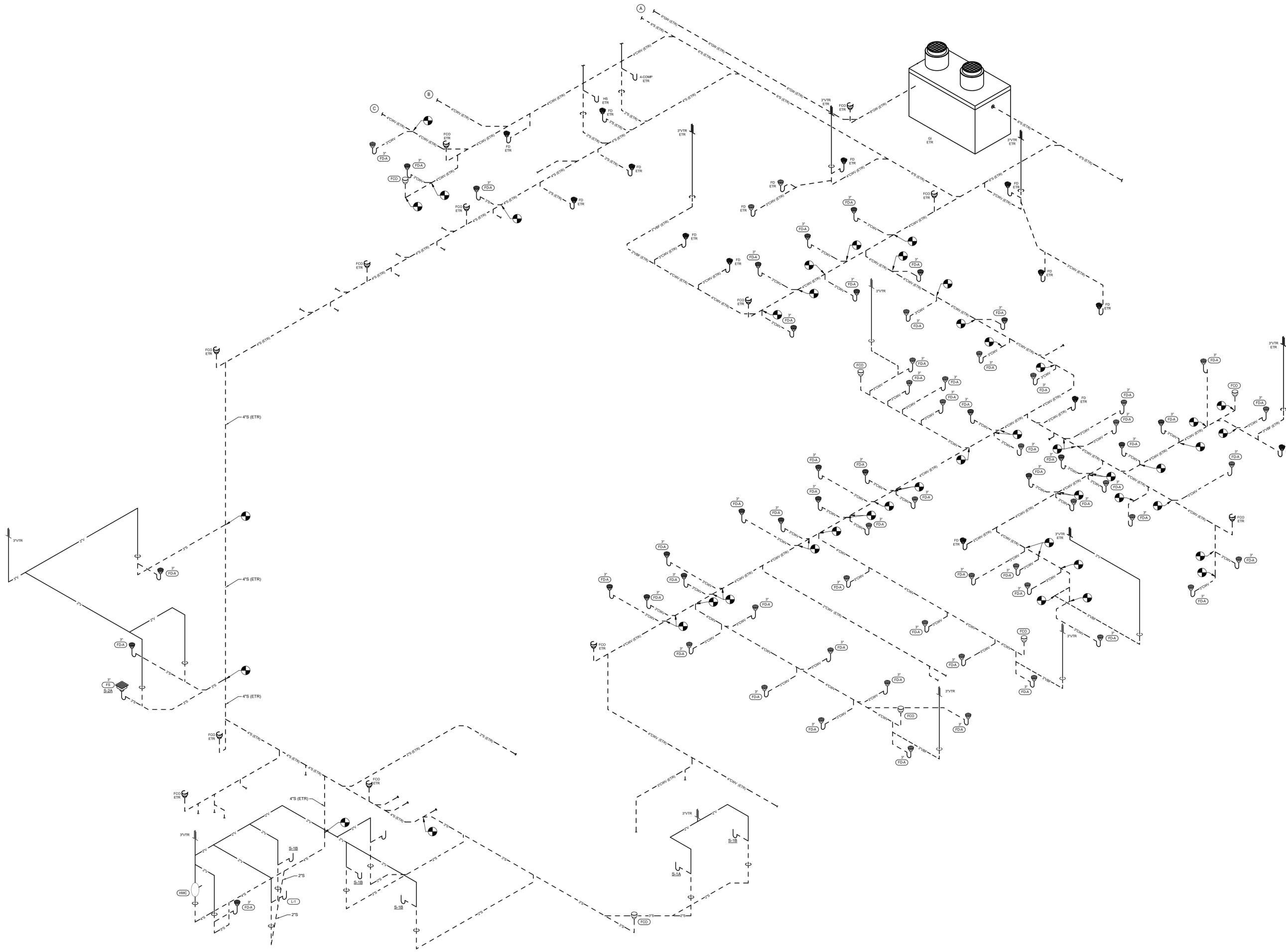


WASTE & VENT RISER DIAGRAM - A

PROJECT MANAGER SL	CHECKED BY HEI
DRAWN BY HEI	DATE 10/19/2020
SCALE AS NOTED	JOB NUMBER 62830547
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P5.0

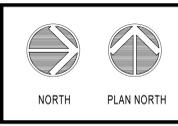
1 WASTE AND VENT RISER DIAGRAM - A
 NTS



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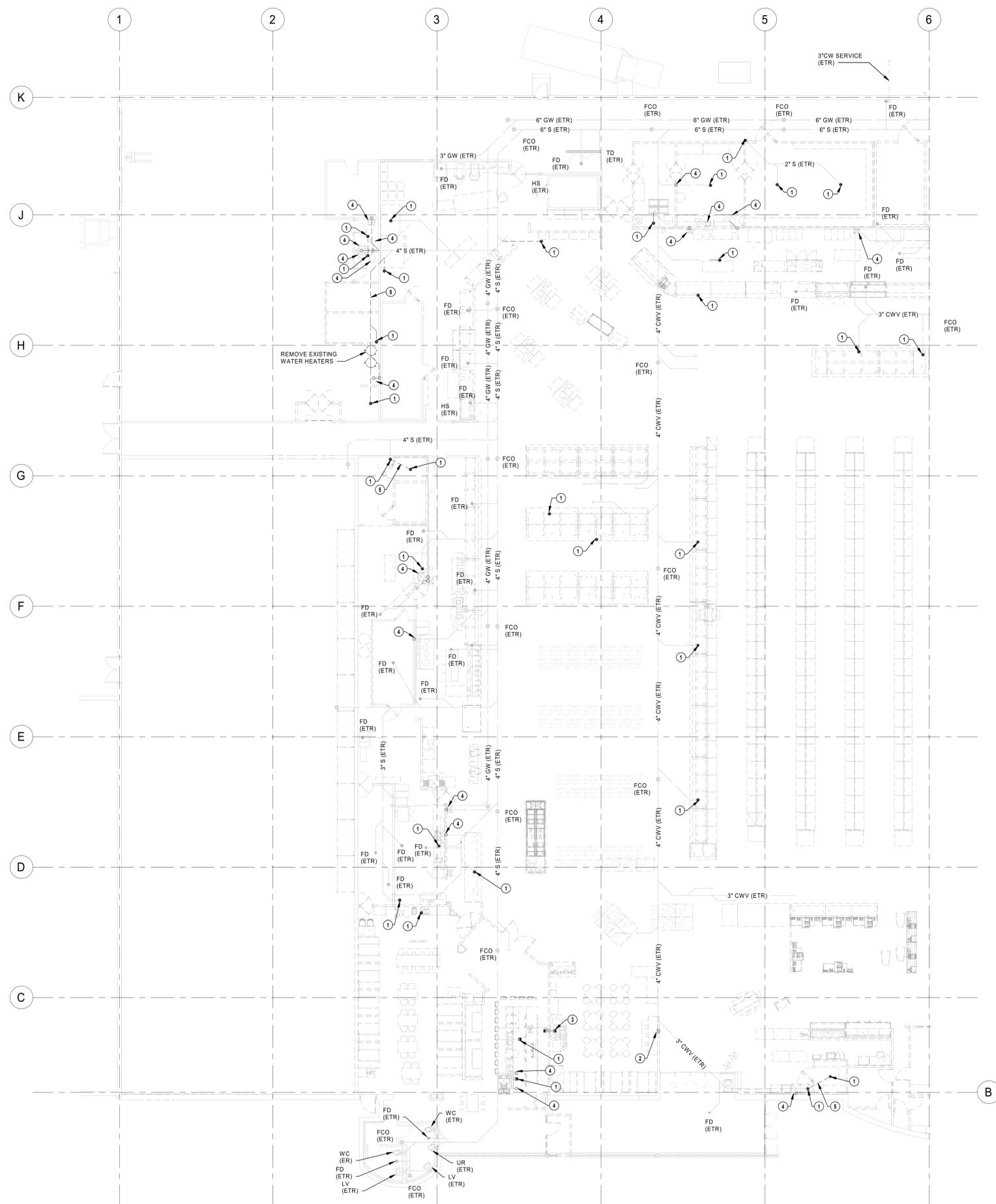
WASTE & VENT RISER DIAGRAM - B

PROJECT MANAGER SL	CHECKED BY Checker
DRAWN BY: Author	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62830547

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P5.1

① WASTE AND VENT RISER DIAGRAM - B
 NTS

JOSHUA N. HOVER
 10/23/2020 10:48:30 AM



- PLUMBING PLAN NOTES**
- 1 REMOVE EXISTING FLOOR DRAIN/SINK GRATE, BODY AND TRAP. CAP AND ABANDON WASTE PIPE BELOW FLOOR IF NOT REUSED IN NEW WORK. PATCH FLOOR TO MATCH EXISTING.
 - 2 REMOVE EXISTING FLOOR CLEANOUT BODY AND TOP. PATCH FLOOR TO MATCH EXISTING.
 - 3 REMOVE EXISTING FLOOR DRAIN GRATE, BODY AND TRAP AS WELL AS PIPING (WASTE AND VENT) TO BELOW FINISHED FLOOR AND TO ACTIVE MAINS ABOVE CEILING AND CAP. ABANDON WASTE PIPING BELOW FLOOR, IF NOT USED IN NEW WORK.
 - 4 REMOVE EXISTING PLUMBING FIXTURE. CAP AND ABANDON WASTE PIPE BELOW FLOOR IF NOT REUSED IN NEW WORK. PATCH FLOOR TO MATCH EXISTING.
 - 5 REMOVE WASTE PIPING AS INDICATED. CAP AND ABANDON ANY UNUSED WASTE PIPING.

1 UNDERFLOOR DEMOLITION PLUMBING
 PLAN - A
 3/32" = 1'-0"

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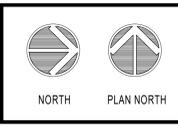
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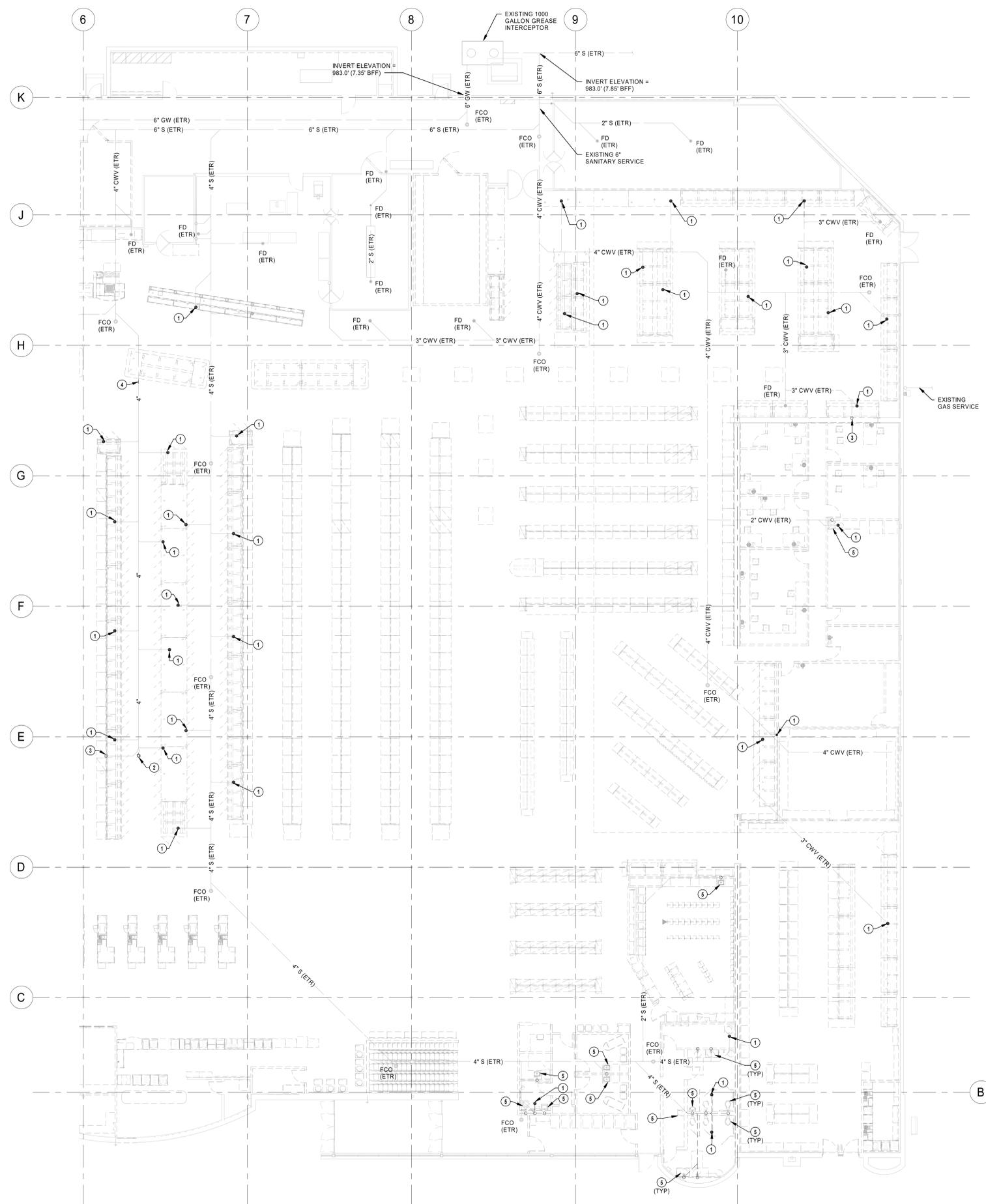
Hy-Vee
 EMPLOYEE OWNED



UNDERFLOOR DEMOLITION PLUMBING PLAN - A

PROJECT MANAGER	CHECKED BY
SL	HEI
DRAWN BY:	DATE:
HEI	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62830547

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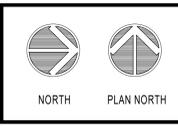
- PLUMBING PLAN NOTES**
- 1 REMOVE EXISTING FLOOR DRAIN/SINK GRATE, BODY AND TRAP. CAP AND ABANDON WASTE PIPE BELOW FLOOR IF NOT REUSED IN NEW WORK. PATCH FLOOR TO MATCH EXISTING.
 - 2 REMOVE EXISTING FLOOR CLEANOUT BODY AND TOP. PATCH FLOOR TO MATCH EXISTING.
 - 3 REMOVE EXISTING VENT PIPING BACK TO ACTIVE MAIN AND CAP.
 - 4 REMOVE WASTE PIPING AS INDICATED. CAP AND ABANDON ANY UNUSED WASTE PIPING.
 - 5 REMOVE EXISTING PLUMBING FIXTURE. CAP AND ABANDON WASTE PIPE BELOW FLOOR IF NOT REUSED IN NEW WORK. PATCH FLOOR TO MATCH EXISTING.

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HyVee
 EMPLOYEE OWNED

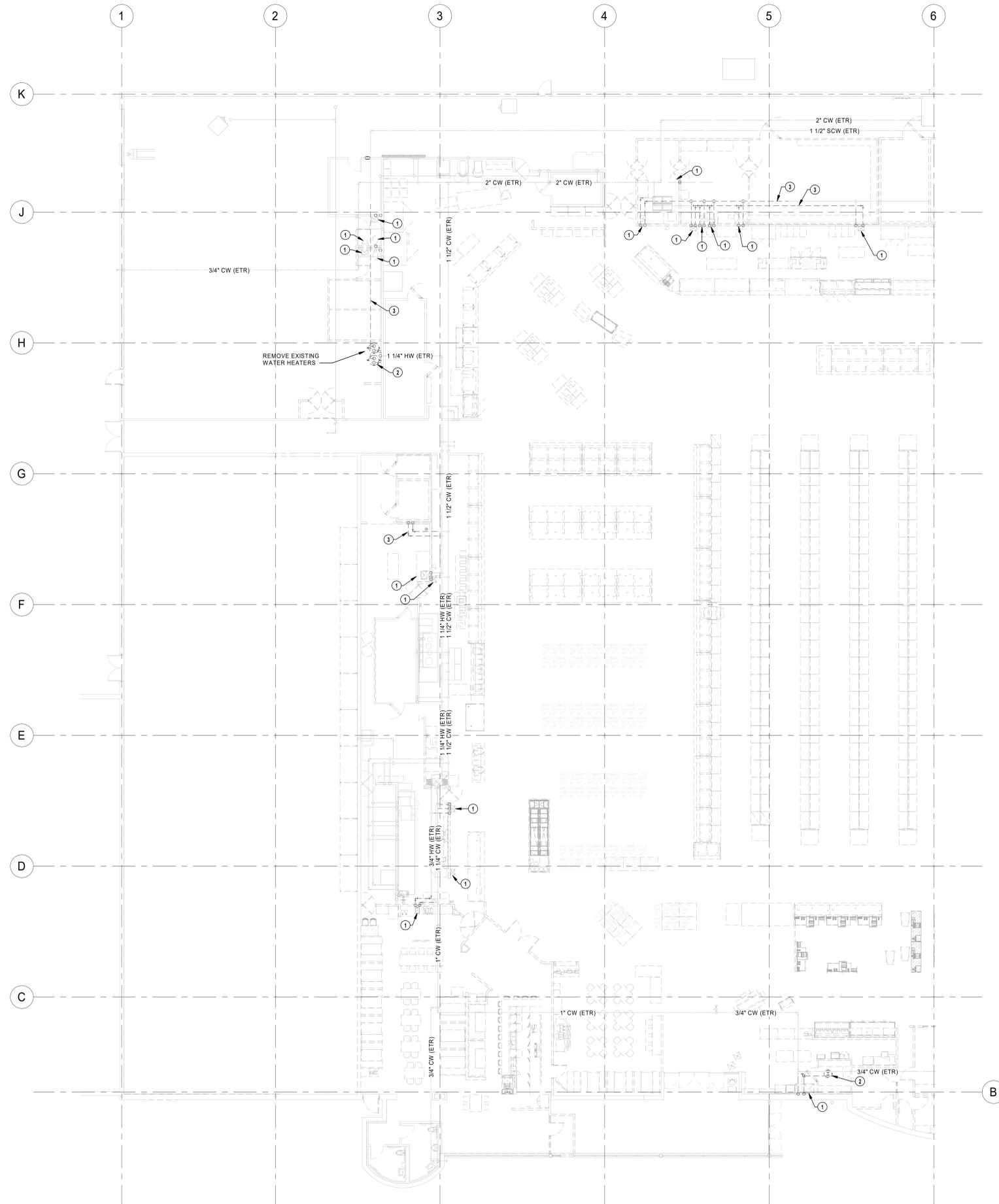


UNDERFLOOR DEMOLITION PLUMBING PLAN - B

PROJECT MANAGER SL	CHECKED BY HEI
DRAWN BY HEI	DATE 10/19/2020
SCALE AS NOTED	JOB NUMBER 62830547

SHEET:
PD1.0B

1 UNDERFLOOR DEMOLITION PLUMBING
 PLAN - B
 3/32" = 1'-0"



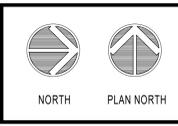
- PLUMBING PLAN NOTES**
- 1 REMOVE EXISTING PLUMBING FIXTURE AS WELL AS PIPING (VENT, HOT AND COLD WATER) TO BELOW FINISHED FLOOR AND TO ACTIVE MAINS ABOVE CEILING AND CAP.
 - 2 REMOVE EXISTING WATER HEATER AS WELL AS PIPING (GAS, HOT AND COLD WATER) TO ACTIVE MAINS ABOVE CEILING AND CAP.
 - 3 REMOVE EXISTING PORTION OF WATER PIPING AS INDICATED.

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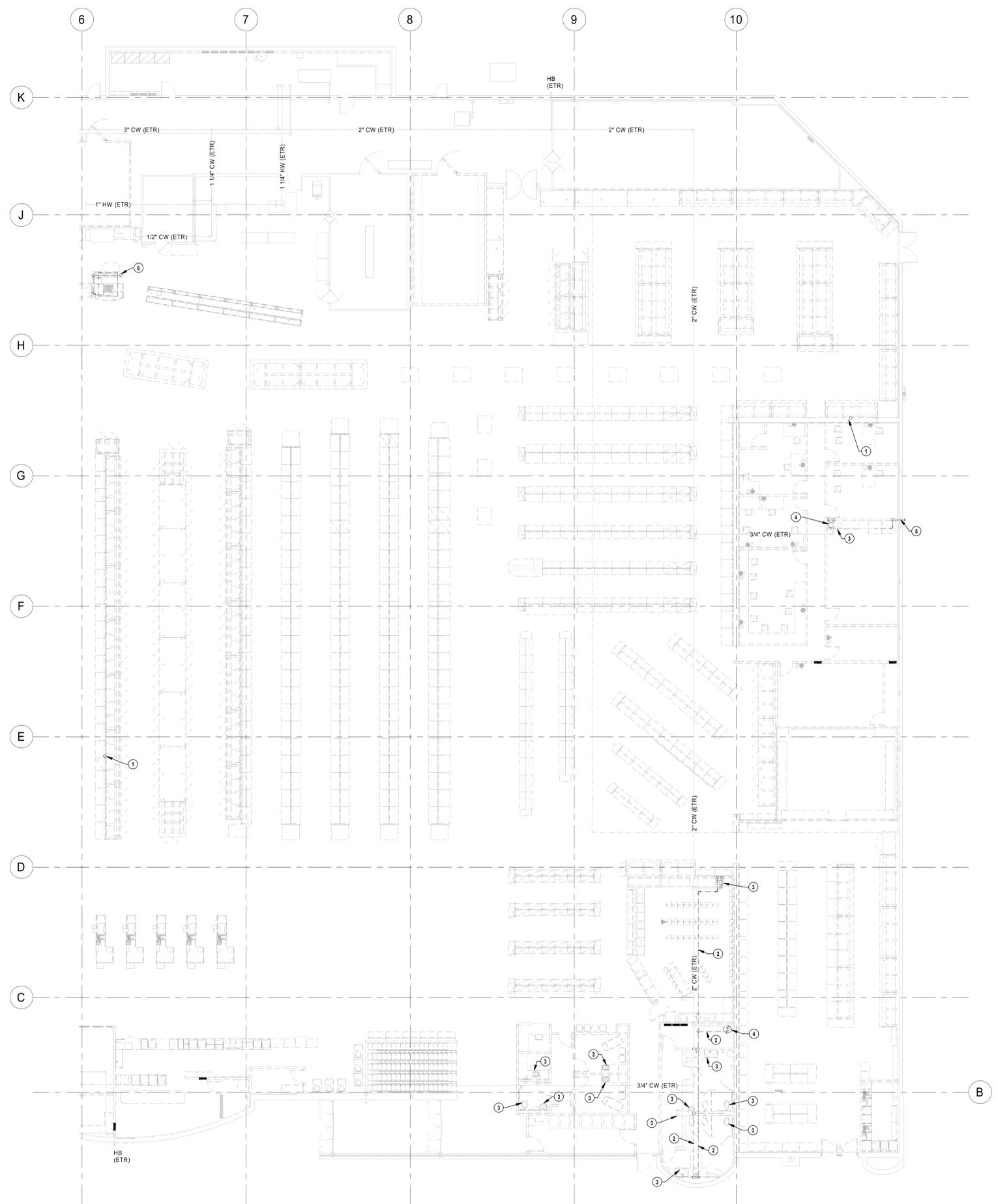


DEMOLITION PLUMBING PLAN - A

PROJECT MANAGER SL	CHECKED BY HEI
DRAWN BY HEI	DATE 10/19/2020
SCALE AS NOTED	JOB NUMBER 62830547

SHEET:
PD2.0A

1 DEMOLITION PLUMBING PLAN - A
 3/32" = 1'-0"



- PLUMBING PLAN NOTES**
- 1 REMOVE EXISTING VENT PIPING BACK TO ACTIVE MAIN AND CAP.
 - 2 REMOVE EXISTING PORTION OF WATER PIPING AS INDICATED.
 - 3 REMOVE EXISTING PLUMBING FIXTURE AS WELL AS PIPING (VENT, HOT AND COLD WATER) TO BELOW FINISHED FLOOR AND TO ACTIVE MAINS ABOVE CEILING AND CAP.
 - 4 REMOVE EXISTING WATER HEATER AS WELL AS PIPING (GAS, HOT AND COLD WATER) TO ACTIVE MAINS ABOVE CEILING AND CAP.
 - 5 REMOVE EXISTING HOSE BIBB AND CAP WATER PIPING ABOVE CEILING BACK TO ACTIVE MAIN. PATCH EXISTING WALL TO MATCH EXISTING.
 - 6 REMOVE EXISTING GAS PIPING TO COOK LINE TO ACTIVE MAIN ABOVE CEILING AND CAP.

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 MO. CORPORATE NO. E-556D
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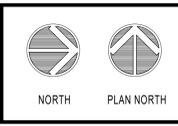
PROFESSIONAL SEAL

Oct 23 2020
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 LICENSE # PE-2017008503

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HyVee
 EMPLOYEE OWNED



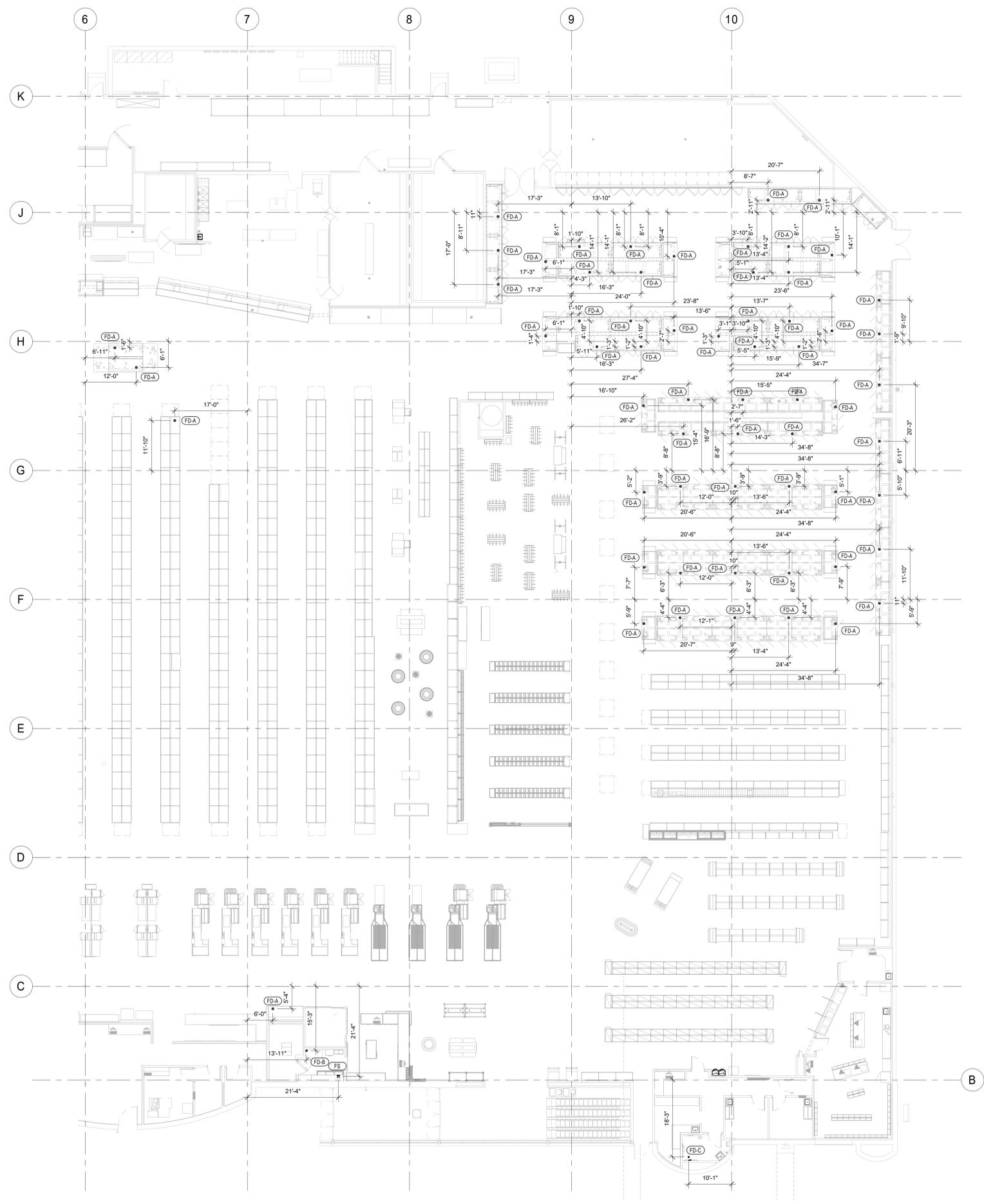
DEMOLITION PLUMBING PLAN - B

PROJECT MANAGER SL	CHECKED BY HEI
DRAWN BY: HEI	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62830547

SHEET:
PD2.0B

1 DEMOLITION PLUMBING PLAN - B
 3/32" = 1'-0"

REVISION	DATE BY



1 PLUMBING STUBUP PLAN - B
3/32" = 1'-0"

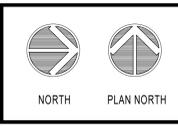
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HyVee
 EMPLOYEE OWNED



PLUMBING
 STUB-UP PLAN - B

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DRAWN BY:	DATE:
HEI	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62830547

SHEET:
PE1.0B