

Proposed Features

March First Visitor Center

7885 E. Kemper Road
Cincinnati, OH 45249

DESIGNHAUS

ARCHITECTURE

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1998

301 WALNUT BOULEVARD
ROCHESTER, MI 48307

T:248.601.4422 F:248.453.5854

WWW.DESIGNHAUS.COM
INFO@DESIGNHAUS.COM

STATEMENT OF SELECTED DESIGN PROFESSIONAL

THESE CONSTRUCTION DOCUMENTS WERE PREPARED FOR COMPLIANCE WITH THE OHIO CONSTRUCTION CODES IN EFFECT AT THE TIME OF PERMIT SUBMITTAL. ALL ENGINEERS, CONTRACTORS AND SUPPLIERS INVOLVED WITH THIS PROJECT SHALL COMPLY WITH THE SAME CODES ISSUED AND APPROVED CODE MODIFICATIONS AND/OR MUNICIPAL CONSTRUCTION BOARDS OF APPEALS RULINGS AND WHENEVER REQUIRED SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS CLEARLY DESCRIBING COMPLIANCE TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR REVIEW AND APPROVAL.

REGISTERED DESIGN PROFESSIONAL IN CHARGE:
PETER STUHLREYER, A.I.A.
OHIO IDENTIFICATION # 9611533
DESIGNHAUS ARCHITECTURE

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES, REGULATIONS AND OWNERS REQUIREMENTS
- DO NOT SCALE DRAWINGS. FIELD VERIFY ALL DIMENSIONS AND JOB CONDITIONS
- SHOULD ANY CONDITION ARISE WHERE THE INTENT OF THE DRAWINGS IS IN DOUBT, OR WHERE THERE APPEARS TO BE AN ERROR ON THE DRAWINGS OR A DISCREPANCY BETWEEN THE DRAWINGS AND THE FILED CONDITIONS, THE ARCHITECT SHALL BE NOTIFIED AS SOON AS POSSIBLE. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT INSTRUCTION FROM THE ARCHITECT, THE CONTRACTOR SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECTS. THIS INCLUDES ERRORS IN THE SPECIFICATIONS AND NOTATIONAL ERRORS ON THE DRAWINGS WHERE DOUBTFUL OF INTERPRETATION
- IN THE CASE WHERE TWO OR MORE DETAILS APPLYING TO THE SAME PART OF THE WORK ARE IN CONFLICT, THE MOST RESTRICTIVE SHALL GOVERN UNLESS CLARIFIED OR OTHERWISE APPROVED BY THE ARCHITECT.
- THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL CAREFULLY EXAMINE THE CONDITIONS AFFECTING HIS WORK BEFORE PROCEEDING, AND SHALL REPORT TO THE ARCHITECT ANY CONDITION WHICH WOULD PREVENT THE PROPER AND LEGAL COMPLETION OF HIS WORK. NOT REPORTING ANY SUCH UNSUITABLE CONDITION WILL CONSTITUTE ACCEPTANCE OF ALL CONDITIONS BY THE CONTRACTOR AND/OR SUBCONTRACTOR.
- APPROVAL OF SHOP DRAWINGS MEANS APPROVAL OF THE GENERAL METHOD OF FABRICATION ONLY. DIMENSIONS AND QUANTITIES MAY NOT BE CHECKED, AND APPROVAL OF SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS UNLESS SPECIFICALLY INDICATED IN THE APPROVAL.
- PROVIDE 2A, 10BC MINIMUM RATED FIRE EXTINGUISHER TO BE LOCATED WITHIN 75 FEET OF TRAVEL DISTANCE FROM ALL AREAS. PROVIDE ONE EXTINGUISHER FOR EACH 75 FEET OF TRAVEL
- "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" SIGN, WITH MINIMUM ONE (1) INCH HIGH LETTERS SHALL BE PROVIDED ADJACENT TO FRONT EXIT DOOR. PROVIDE INDICATING TYPE LOCKS ON DOORS.
- NO HAZARDOUS MATERIALS, LIQUIDS OR CHEMICALS SHALL BE STORED OR USED WITHIN THE SUBJECT BUILDING AS TO REQUIRE A HAZARDOUS CLASSIFICATION PER APPLICABLE UNIFORM BUILDING CODE
- ALL INTERIOR WALLS AND PARTITIONS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST ALL LOADS TO WHICH THEY ARE SUBJECTED BUT NOT LESS THAN A FORCE OF 5 POUNDS PER SQUARE FOOT APPLIED PERPENDICULAR TO WALLS.
- ALL EXITS SHALL BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- LIGHT, VENTILATION AND SANITATION SHALL COMPLY WITH SECTIONS OF APPLICABLE BUILDING CODES
- DOORS SHALL HAVE A CLEAR OPENING OF NO LESS THAN 32" WHEN OPEN AND BE OPERABLE BY A SINGLE EFFORT.
- THE FLOOR INSIDE OR OUTSIDE OF A DOORWAY SHALL BE LEVEL FOR A DISTANCE OF 5'-0" FROM THE DOOR, IN THE DIRECTION OF THE DOOR SWING, AND SHALL EXTEND 18" BEYOND THE LATCH SIDE FOR THE INTERIOR DOORS AND 24" BEYOND THE LATCH SIDE FOR EXTERIOR DOORS
- SWITCHES AND CONTROLS FOR LIGHTS, VENTILATION, FIRE ALARMS, ETC. MUST BE PLACED NO MORE THAN 48" FROM THE FLOOR.
- A 7'-0" MINIMUM VERTICAL CLEARANCE IN REQUIRED FROM THE FLOOR TO CEILINGS OR PROTRUDING WALL FIXTURES.
- PROVIDE FIRE STOPPING AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES.
- DRAFTSTOPS MUST BE INSTALLED SO THAT THE LONGEST HORIZONTAL DIMENSION DOES NOT EXCEED 100 FEET.

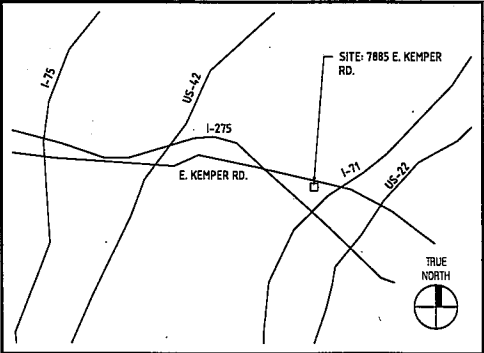
PROJECT TEAM

OWNER
MARK STUHLREYER
7885 E. KEMPER RD.
CINCINNATI, OH 45249
T: 513.939.8079

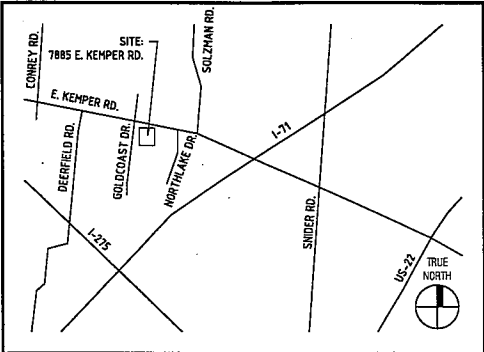
CONTRACTOR
MARCH FIRST BREWING COMPANY
7885 E. KEMPER RD.
T: 513.562.0759
CONTACT: KEVIN KLIENER

ARCHITECT
DESIGNHAUS ARCHITECTURE
301 WALNUT BLVD.
ROCHESTER, MI 48307
T: 248.601.4422
F: 248.453.5854
PROJECT MANAGER: JOE LATOZAS
PROJECT ARCHITECT:
PETER STUHLREYER, A.I.A.

VICINITY MAP



LOCATION MAP



INDEX OF DRAWINGS

		Permit Set / 12.5.2017	Revised PUD / 1.22.18
<input type="checkbox"/> SHEET ISSUED <input checked="" type="checkbox"/> REVISED <input type="checkbox"/> SHEET REISSUED			
SHEET NO:	DRAWING NAME		
GENERAL			
G001	Title Sheet and Index	<input type="checkbox"/>	<input type="checkbox"/>
LANDSCAPE			
S100	Site Plan	<input type="checkbox"/>	<input type="checkbox"/>
ARCHITECTURAL			
A100	Floor Plan B	<input type="checkbox"/>	<input type="checkbox"/>
PLUMBING			
P100	Plumbing Layout	<input type="checkbox"/>	<input type="checkbox"/>

SHELBY TOWNSHIP
PLANNING & ZONING

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PETER STUHLREYER, LICENSE #9611533

	Revised PUD	1.22.18
	Permit Set	12.5.2017
No.	Revision/Issue	Date

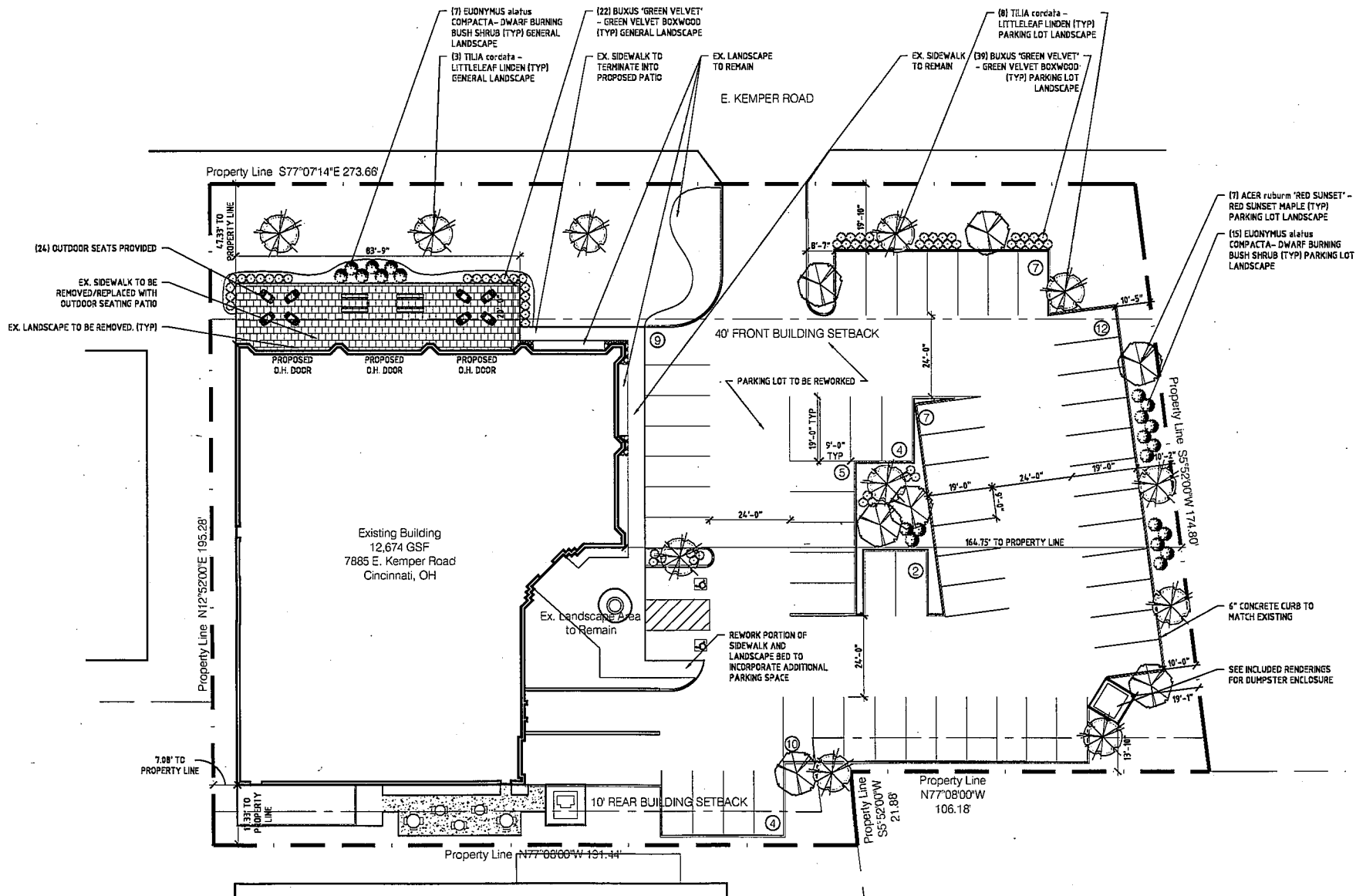
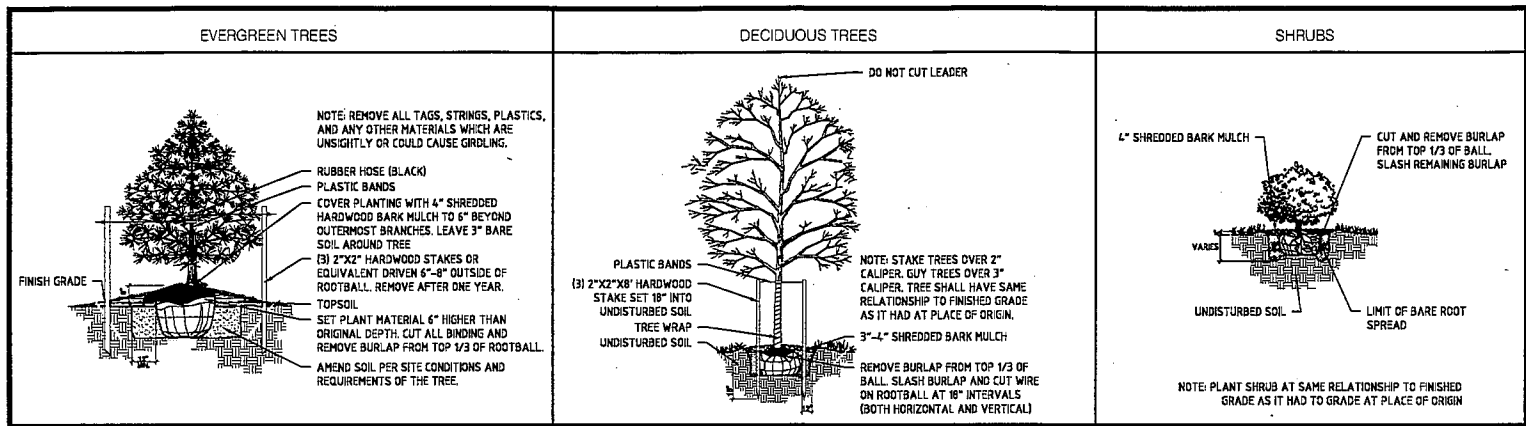
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Title Sheet and Index

G001

017098

PLANTING DETAILS



1 Site Plan
SCALE: 1" = 20'

SITE DATA

Regulation	Information
Parcel I.D.	# 0600001300121
Address	7885 E. Kemper Road, Cincinnati OH
Zoning	FF- Light Industrial
Parcel Area	(53,434 Sq.Ft.) 1.23 Acres

ZONING SCHEDULE OF REGULATIONS

Regulation	Required	Provided
Setbacks	Front: 40' Sides: 0' Rear: 10'	Front: 47.33' Sides: 7.08' & 164.75' Rear: 17.33'
Building Height	Maximum: 35'	Ex. height to remain
Max. Impervious Surface Ratio	0.50 (Ex.: 0.54)	See included ISR worksheet

PROPOSED PATIO NOTES

Front yard projections - low projections only (3') height max.
20'x83.75' front yard patio
24 Patio seats proposed
Uncovered patio

BUILDING AND PARKING DATA

Required: Bar/Restaurant: 1 Space per 100 Net SF
4,450 net SF/100 = 45 Spaces
Office: 4 Spaces for first 1000 SF + 1 Space/400 Net SF
2,171 net SF = 4 spaces + (1,171/1000 - 3) = 7 Spaces
Manufacturing: 1 Space per 1.5 Employees on max. shift + 1 space per facility vehicle.
(2) Employees = 3 Spaces
TOTAL REQUIRED PARKING SPACES: 55 SPACES
PROVIDED: 60 PARKING SPACES

SITE AND LANDSCAPE DATA

Landscape Area: 22 SF per (1) parking space
60 parking space provided x 22 = 1,320 SF Required
Proposed Landscape Areas: 3,060 SF Total

Trees Required: (3) Canopy Trees per (10) parking spaces
60 parking spaces/10 = 6 x 3 = 18 Canopy Trees Required
Proposed Parking Lot Canopy Trees: 15 + 4 existing canopy trees = 19 Trees Total

Shrubs Required: (3) shrubs per canopy tree required
18 trees x 3 = 54 Shrubs Required
Proposed Parking Lot Shrubs: 54

General Landscape (not added to required parking lot landscape):
3 Trees
29 Shrubs

PLANT SCHEDULE

#	BOTANICAL NAME	COMMON NAME	SIZE/ROOT
7	ACER rubrum 'RED SUNSET'	RED SUNSET MAPLE	2.5" CAL.
61	BUXUS 'GREEN VELVET'	GREEN VELVET BOXWOOD	5 GAL.
7	EUONYMUS alatus COMPACTA	DWARF BURNING BUSH	30-36" B&B
11	TILIA cordata	LITTLELEAF LINDEN	2.5" CAL.

TOTAL PROPOSED TREES: 18
TOTAL PROPOSED SHRUBS: 68
TOTAL PROPOSED PLANTS: 86

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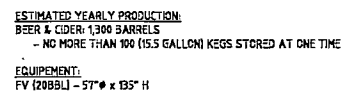
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Site Plan

S100

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NORTH

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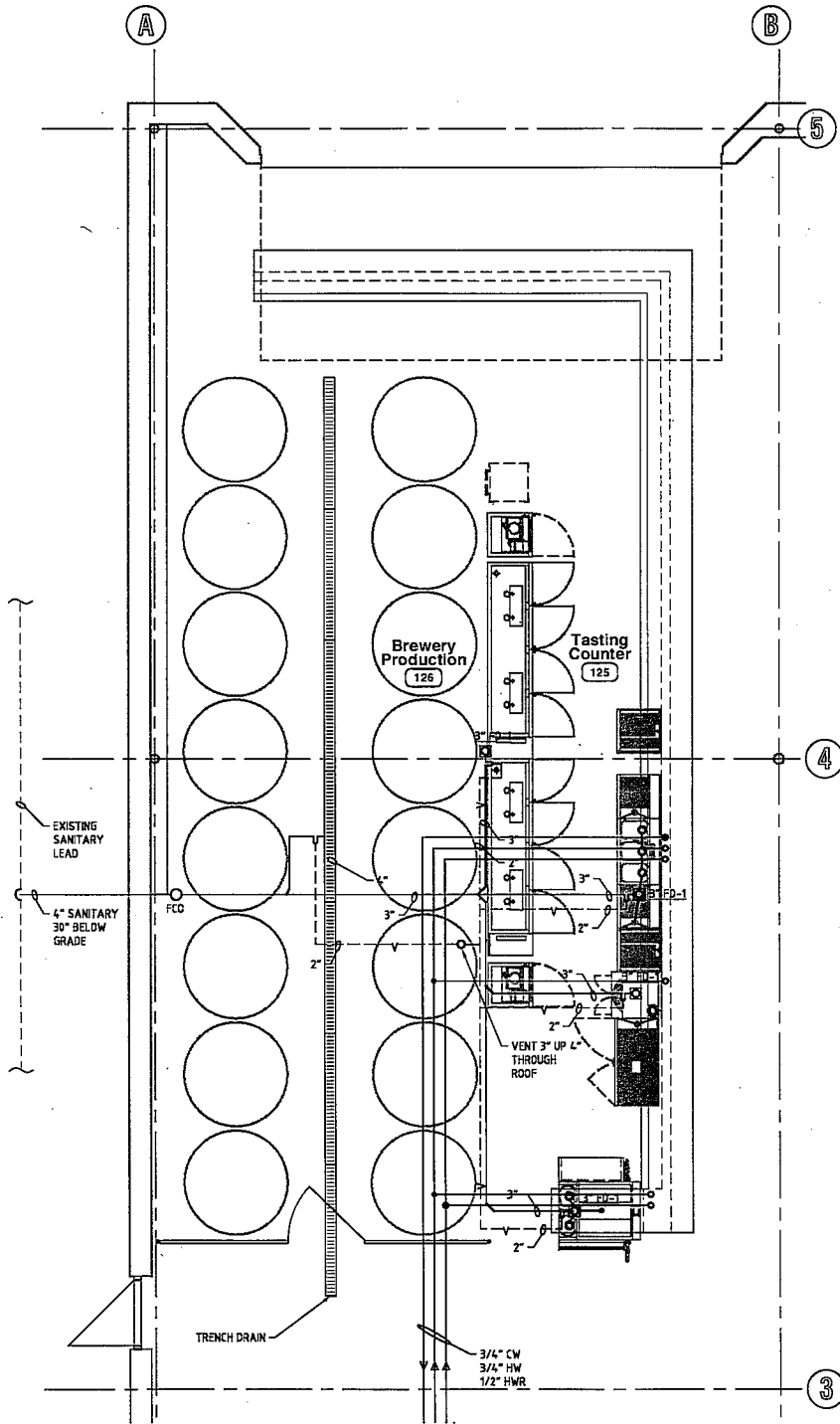
SPECIFICATIONS

DRAINS

FD-1:
ZN-1902-23 ZURN 12X12X10" SANI-FLOOR RECEPTOR, CAST IRON BODY WITH ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, FULL NICKEL BRONZE SLOTTED MEDIUM DUTY GRATE AND ALUM SEDIMENT BUCKET. (SELECT IF REQUIRED) - K FLANGE WITH SEEPAGE HOLES. KC FLANGE WITH SEEPAGE HOLES AND CLAMP COLLAR.

TRENCH DRAIN:

42" X 3" LONG 6" WIDE. MODULAR SECTIONS WITH INTERLOCKING ENDS. CORROSION RESISTANT MATERIAL. GRATE SHALL BE HEAVY DUTY. (5,000 LBS LIVE LOAD)



1 Plumbing Plan
SCALE 1/2" = 1'

PLUMBING PIPING SPECIFICATIONS

PLUMBING INSULATION

- A. TYPE 1. ASTM C547, MOLDED GLASS FIBER PIPE INSULATION, CONFORM TO ASTM C795 FOR APPLICATION ON AUSTENITIC STAINLESS STEEL.
1. THERMAL CONDUCTIVITY. 0.23 AT 75 DEGREES F.
 2. OPERATING TEMPERATURE RANGE. 0 TO 850 DEGREES F.
 3. VAPOR BARRIER JACKET. ASTM C1136, TYPE I, FACTORY APPLIED REINFORCED FOIL KRAFT WITH SELF-SEALING ADHESIVE JOINTS.
 4. JACKET TEMPERATURE LIMIT. MINUS 20 TO 150 DEGREES F.
- B. TYPE 2. ASTM C534, TYPE I, FLEXIBLE, CLOSED CELL ELASTOMERIC INSULATION, TUBULAR.
1. THERMAL CONDUCTIVITY. 0.27 AT 75 DEGREES F.
 2. OPERATING TEMPERATURE RANGE. MINUS 70 TO 180 DEGREE F.
- C. WALL THICKNESS. 0.5" FOR PIPE 1-1/4" OR SMALLER, 1.0" FOR PIPE 1-1/2" AND LARGER.
- D. ACCEPTABLE MANUFACTURERS. KNAUF, OWENS-CORNING, JOHNS MANSVILLE, ARMACELL, AEROFLEX, NOMACO.

FACILITY WATER DISTRIBUTION

DOMESTIC WATER PIPING, BURIED WITHIN 5 FEET OF BUILDING

- B. COPPER TUBING. ASTM B88, TYPE K, ANNEALED.
1. FITTINGS. ASME B16.18, CAST COPPER, OR ASME B16.22, WROUGHT COPPER
 2. JOINTS. COMPRESSION CONNECTION OR BRAZED, AWS A5.8 BCUP SILVER/PHOSPHORUS/COPPER ALLOY WITH MELTING RANGE 1190 TO 1480 DEGREES F.

DOMESTIC WATER PIPING, ABOVE GRADE

- A. COPPER TUBING. ASTM B88, TYPE L, HARD DRAWN.
1. FITTINGS. ASME B16.18, CAST COPPER ALLOY OR ASME B16.22, WROUGHT COPPER AND BRONZE
 2. JOINTS. SOLDER, LEAD FREE, ASTM B32, 95-5 TIN-ANTIMONY, OR TIN AND SILVER, WITH MELTING RANGE 430 TO 535 DEGREES F.

BALL VALVES

- A. 2 INCHES AND SMALLER. MSS SP 110, LEAD-FREE, CLASS 150, BRONZE, TWO PIECE BODY, CHROME PLATED BRONZE TYPE 316 STAINLESS STEEL BALL, FULL PORT, TEFLON SEATS, BLOW-OUT PROOF STEM, SOLDER OR THREADED ENDS WITH UNION, LEVER HANDLE.

BUTTERFLY VALVES

- A. 2-1/2 INCHES AND LARGER. MSS SP 67, CLASS 150, LEAD-FREE.
1. BODY. CAST OR DUCTILE IRON, LUG ENDS, STAINLESS STEEL STEM, EXTENDED NECK
 2. DISC. NICKEL-PLATED DUCTILE IRON.
 3. SEAT. RESILIENT REPLACEABLE BUNA N.
 4. HANDLE AND OPERATOR. 10 POSITION LEVER HANDLE.

CHECK VALVES

- A. HORIZONTAL SWING CHECK VALVES.
1. 2 INCHES AND SMALLER. MSS SP 80, CLASS 150, LEAD-FREE, BRONZE BODY AND CAP, BRONZE SEAT, BUNA-N DISC, THREADED ENDS.
 2. 2-1/2 INCHES AND LARGER. MSS SP 71, CLASS 125, LEAD-FREE, CAST IRON BODY, BOLTED CAP, BRONZE OR CAST IRON DISC, FLANGED ENDS.

PIPE HANGERS AND SUPPORTS

- A. PLUMBING PIPING. CONFORM TO ASME B31.9, MSS SP 69 AND MSS SP 89.
- B. HANGERS FOR PIPE SIZES 1/2 TO 1-1/2 INCH. MALLEABLE IRON, ADJUSTABLE SWIVEL, SPLIT RING.
- C. HANGERS FOR COLD PIPE SIZES 2 INCHES AND LARGER. CARBON STEEL, ADJUSTABLE, CLEVIS.
- D. HANGERS FOR HOT PIPE, SIZES 2 TO 4 INCHES. CARBON STEEL, ADJUSTABLE, CLEVIS.
- E. MULTIPLE OR TRAPEZE HANGERS. STEEL CHANNELS WITH WELDED SUPPORTS OR SPACERS AND HANGER RODS.
- F. WALL SUPPORT FOR PIPE SIZES 3 INCHES AND SMALLER. CAST IRON HOOKS.

PRESSURE GAGES

- A. GAGE. ASME B40.1, UL 393 UL 404 WITH BOURDON TUBE, ROTARY BRASS MOVEMENT, BRASS SOCKET, FRONT CALIBRATION ADJUSTMENT, BLACK SCALE ON WHITE BACKGROUND.
1. CASE. STEEL.
 2. BOURDON TUBE. BRASS.
 3. DIAL SIZE. 2 INCH DIAMETER.
 4. MID-SCALE ACCURACY. ONE PERCENT.
 5. SCALE. PSI.

PRESSURE GAGE TAPS

- A. NEEDLE VALVE. BRASS, 1/4 INCH NPT FOR MINIMUM 300 PSI.
- B. BALL VALVE. BRASS FOR 250 PSI.
- C. PULSATION DAMPER. PRESSURE SNUBBER, BRASS WITH 1/4 INCH NPT CONNECTIONS.

STEM TYPE THERMOMETERS

- A. THERMOMETER. ASTM E1, ADJUSTABLE ANGLE, LENS FRONT TUBE, CAST ALUMINUM CASE WITH ENAMEL FINISH, CAST ALUMINUM ADJUSTABLE JOINT WITH POSITIVE LOCKING DEVICE.
1. SIZE. 12 INCH SCALE.
 2. WINDOW. CLEAR LEXAN.
 3. STEM. BRASS.
 4. ACCURACY. ASTM E77 2 PERCENT.
 5. CALIBRATION. DEGREES F.

HOSE BIBBS

- A. INTERIOR. BRONZE OR BRASS WITH INTEGRAL MOUNTING FLANGE, REPLACEABLE HEXAGONAL DISC, HOSE THREAD SPOUT, CHROME PLATED WHERE EXPOSED WITH HAND WHEEL, INTEGRAL VACUUM BREAKER IN CONFORMANCE WITH ASSE 1011.

NON-FREEZE HOSE BIBBS

- A. MANUFACTURERS.
1. JOSAM.
 2. ZURN.
 3. WOODFORD.
 4. SUBSTITUTIONS. SECTION 01 60 00 - PRODUCT REQUIREMENTS.
- B. WALL HYDRANT. ASSE 1019, NON-FREEZE, SELF-DRAINING TYPE WITH POLISHED BRONZE WALL PLATE, LOCKABLE RECESSED BOX HOSE THREAD SPOUT, LOCKS SHIELD AND REMOVABLE KEY, AND INTEGRAL VACUUM BREAKER.

PLUMBING GENERAL NOTES

- A. THE INTENT OF THESE DRAWINGS ARE FOR THE CONTRACTOR TO PROVIDE A COMPLETE PLUMBING SYSTEM INSTALLATION. SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS INCLUDING OPERATIONAL, ADJUSTED, TESTED, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- B. CONTRACTOR SHALL REVIEW ALL DOCUMENTS, AND VISIT SITE, PRIOR TO SUBMITTING BID.
- C. INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND REGULATIONS.
- D. ALL WORK SHALL BE GUARANTEED FOR ONE YEAR AFTER DATE OF SUBSTANTIAL COMPLETION.
- E. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMITS AND RELATED FEES, INSPECTION, ETC. AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- F. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO INDICATE EVERY ELBOW, REDUCER, FITTING, ETC. THE DOCUMENT INDICATES THE GENERAL INTENT OF SYSTEM DESIGN AND WORK INCLUDED IN CONTRACT.
- G. COORDINATE LOCATIONS OF PIPING, EQUIPMENT, AND SUPPORT WITH ALL BUILDING COMPONENTS AND RELATED TRADES.
- H. BEFORE INSTALLATION, COORDINATE CONNECTIONS TO AND REQUIREMENTS OF OWNER PROVIDED EQUIPMENT.
- I. WHERE APPLICABLE, CONTRACTOR SHALL PROVIDE NOTICE TO THE OWNER, SEVENTY-TWO (72) HOURS IN ADVANCE OF ANY SHUT-DOWN OF EXISTING BUILDING SYSTEMS UNLESS OTHERWISE NOTED.
- J. CONTRACTOR SHALL, AT THE COMPLETION OF THE PROJECT, PROVIDE OWNER WITH "AS-BUILT" FLOOR PLANS AS WELL AS THREE (3) COPIES OF EQUIPMENT INSTALLATION, OPERATING, AND MAINTENANCE MANUALS.

PLUMBING PIPING NOTES

- A. ALL PIPING SYSTEMS SHALL BE INSTALLED WITH MEANS AND METHODS IN ACCORDANCE WITH NATIONALLY RECOGNIZED CONSTRUCTION STANDARDS.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED DRAINING, FILLING, AND VENTING OF BUILDING SYSTEMS TO ACCOMPLISH WORK.
- C. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS, IT EQUIPMENT, TRANSFORMERS.
- D. TEST ALL PIPING INSTALLATIONS IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION.
- E. INSTALL NON-CONDUCTING DIELECTRIC CONNECTIONS WHEREVER JOINING DISSIMILAR METALS.
- F. ROUTE PIPING IN ORDERLY MANNER AND MAINTAIN GRADIENT. ROUTE PIPING PARALLEL AND PERPENDICULAR TO WALLS.
- G. GROUP PIPING WHENEVER PRACTICAL AT COMMON ELEVATIONS. SLOPE PIPING AND ARRANGE SYSTEMS TO DRAIN AT LOW POINTS.
- H. SLEEVE PIPES PASSING THROUGH PARTITIONS, WALLS, AND FLOORS. INSTALL FIRESTOPPING AT FIRE RATED CONSTRUCTION AND OPENINGS CONTAINING PENETRATING SLEEVES AND PIPING.
- I. INSTALL VALVES FOR SHUT-OFF AND TO ISOLATE EQUIPMENT, PARTS OF SYSTEMS, OR VERTICAL RISERS. INSTALL VALVES UPRIGHT OR HORIZONTAL, NOT INVERTED.
- J. PROVIDE CLEARANCE IN HANGERS AND FROM STRUCTURE AND OTHER EQUIPMENT FOR INSTALLATION OF INSULATION. INSTALL GALVANIZED STEEL SHIELDS BETWEEN PIPE HANGERS AND INSULATION.
- K. ALL PIPING LOCATED IN, OR EXPOSED TO A CEILING RETURN AIR PLENUM SHALL COMPLY WITH A MAXIMUM FLAME SPREAD INDEX OF 25, AND MAXIMUM SMOKE DEVELOPED INDEX NOT EXCEEDING 50 IN ACCORDANCE WITH ASTM E84, UL 723, AND NFPA 255.
- L. INSTALL FLOOR CLEANOUTS AND FLOOR DRAINS AT ELEVATION TO ACCOMMODATE FINISHED FLOOR.
- M. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT AND FIXTURES.
- N. IDENTIFY PIPING, CONCEALED OR EXPOSED, WITH PLASTIC TAPE PIPE MARKERS IN ACCORDANCE WITH ASME A13.1. IDENTIFY SERVICE, FLOW DIRECTION, AND PRESSURE (WHERE APPLICABLE). INSTALL IN CLEAR VIEW AND IN LOCATIONS NOT TO EXCEED 20 FEET ON STRAIGHT RUNS, AT VALVES AND TEES, AND AT EACH SIDE OF PENETRATION OF STRUCTURE OR ENCLOSURE, AND AT EACH OBSTRUCTION. ON BURIED PIPE, INSTALL PLASTIC RIBBON TAPE, CONTINUOUS OVER TOP OF PIPE, BURIED 6 INCHES BELOW GRADE ABOVE PIPE LINE.
- O. PAINT ALL NEW PIPING AFTER INSTALLATION. COORDINATE PIPING PAINT COLORS WITH OWNER'S COLOR CODING SYSTEM.
- P. FOR BURIED PIPE, PLACE BEDDING MATERIAL AT TRENCH BOTTOM TO PROVIDE UNIFORM BEDDING FOR PIPING. LEVEL BEDDING MATERIALS IN ONE CONTINUOUS LAYER NOT EXCEEDING 4 INCHES COMPACTED DEPTH, COMPACT TO 95 PERCENT MAXIMUM DENSITY.
- Q. INSTALL ALL GAS PIPING IN ACCORDANCE WITH NFPA 54.

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