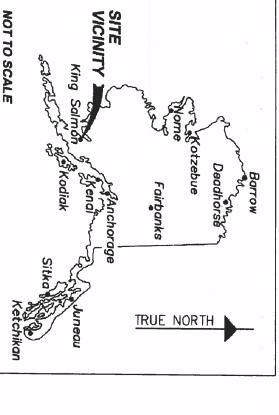
MLVER BAY SEAFOODS NAKNEK WATER AND SEWER PLAN FACILIT

(ADEC REVIEW SET)



NITY King Salmon King Salmon Kodiak Salmon King Salm	Barrow Deadhorse Nome Fairbanks
Sitka Juneau Ketchikan	TRUE NORTH

N O HILL N SAVAN MANA	7 2 16 17	ENTR.O	PE SUM	
A	1 - 2	SOUTH TANK Naknek manner	SUWOROF	
m	South Naknek	8 13	Red Salmor Canner	6
	70 24 2			5
		CAN 3	PROJECTO	
		TION CO		

ENLARGED TOILET ROOM PIPING ENLARGED TOILET ROOM PLAN SECOND FLOOR PLUMBING PLAN

PLAN

WELL PIPING DETAILS

GROUND FLOOR PLUMBING PLAN

SPECIFICATIONS

MECHANICAL EQUIPMENT SCHEDULE

WATER DETAILS

SANITARY DETAILS

PROCESSING FACILITY SITE SEWER AND WATER PLAN

COMPLETE SITE PLAN

TITLE & VICINITY MAP

SHEET INDEX



Client: SILVER

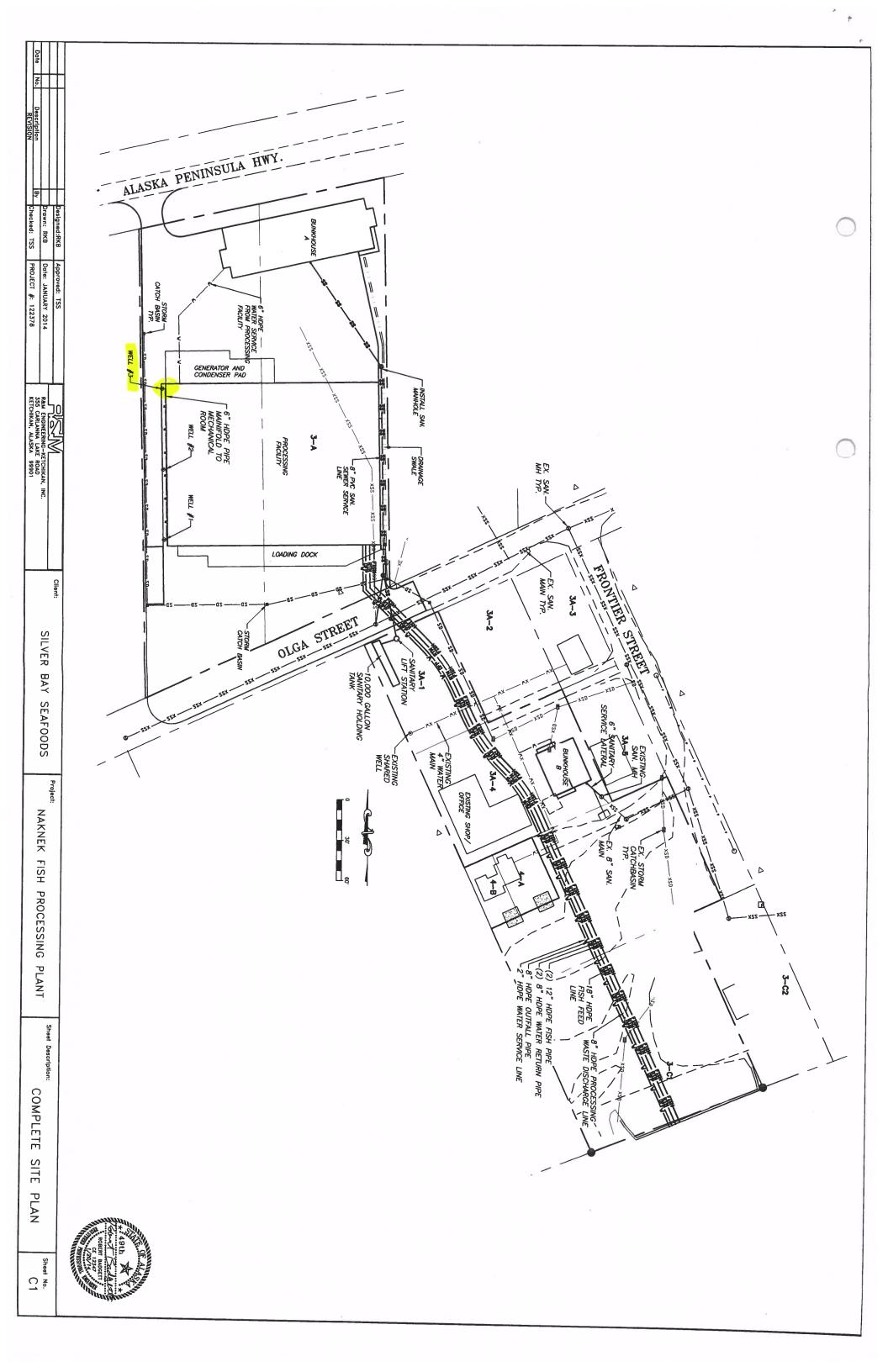
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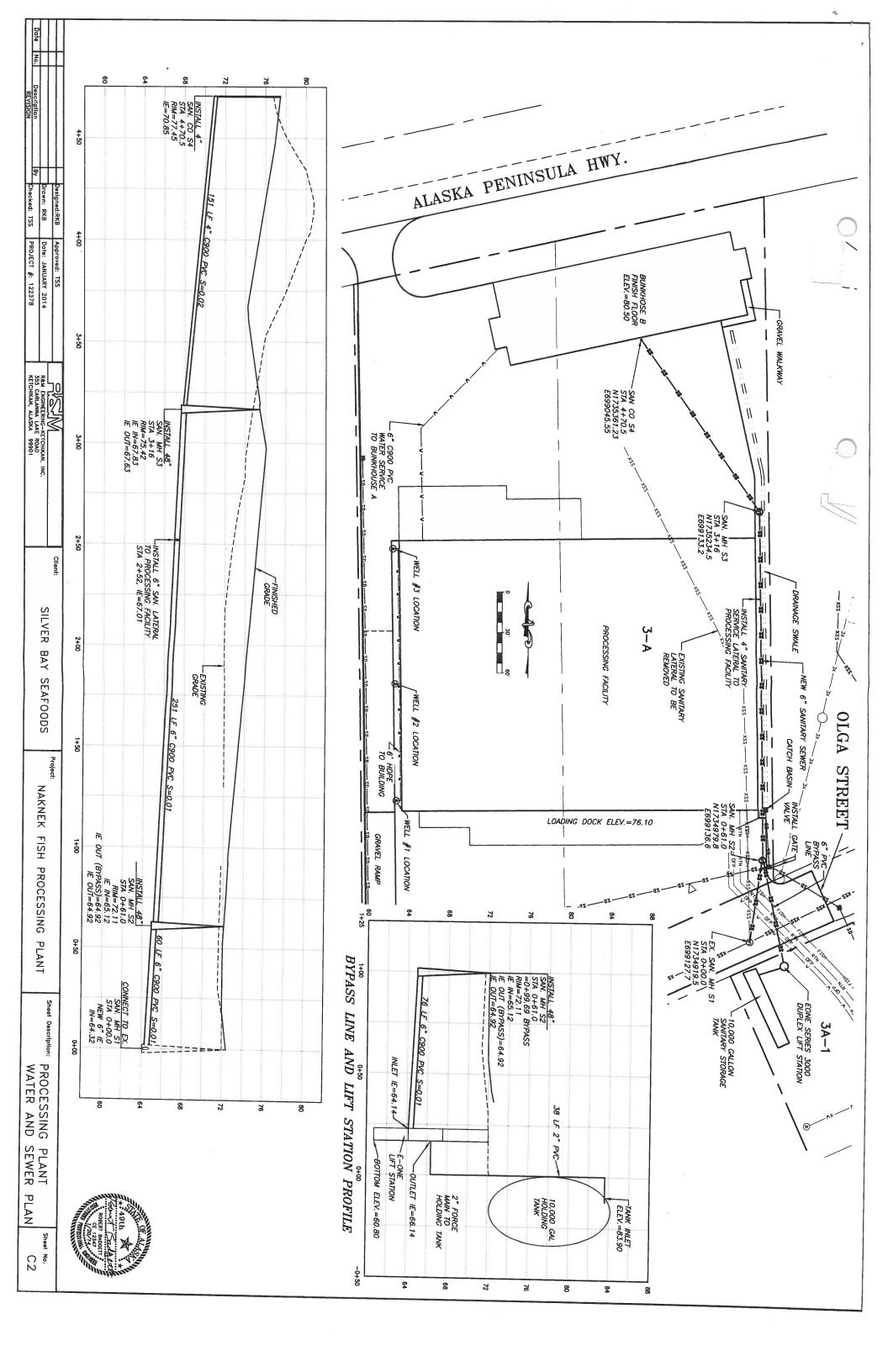
PROJECT #: 122378 Date: JANUARY 2014

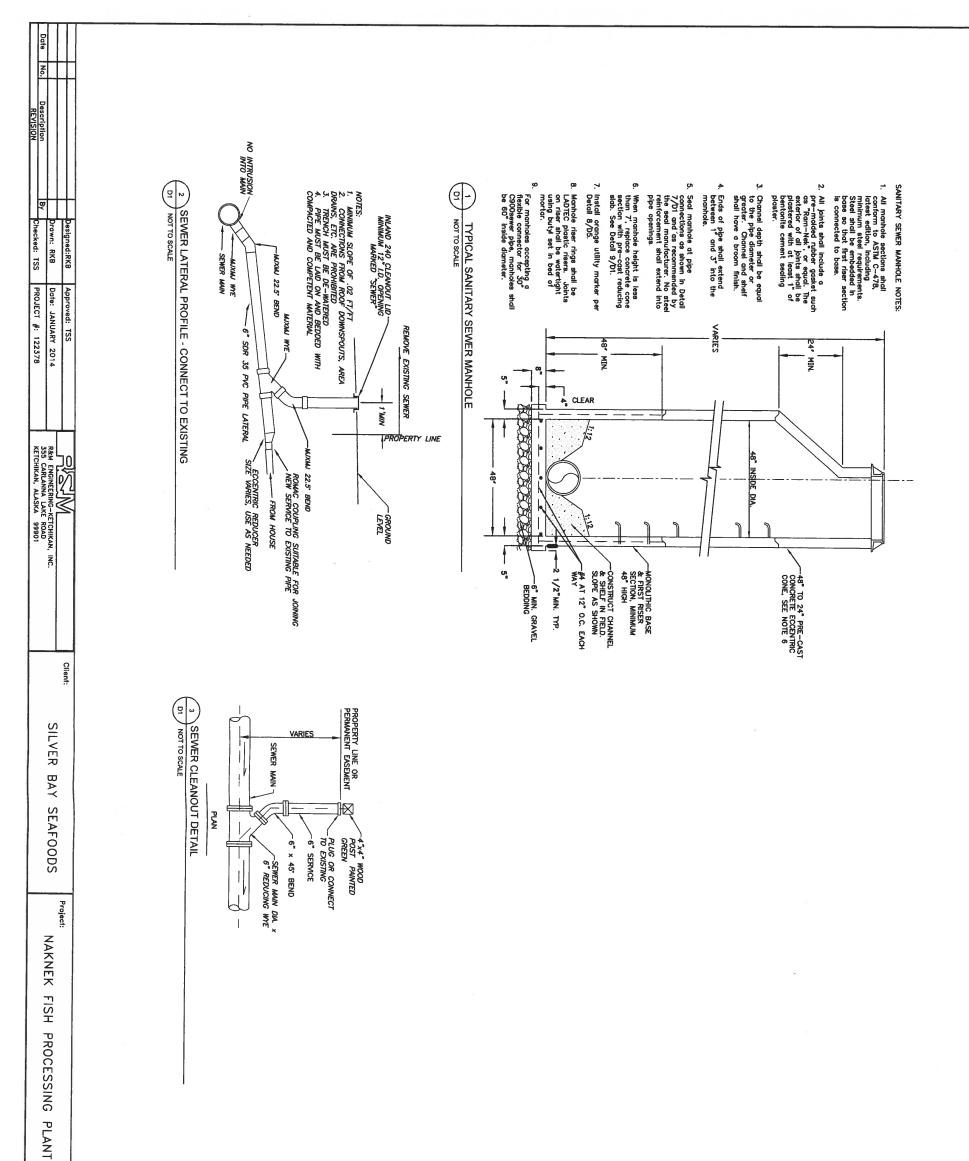
BAY SEAFOODS

NAKNEK FISH PROCESSING PLANT

Sheet Description: TITLE AND VICINITY MAP





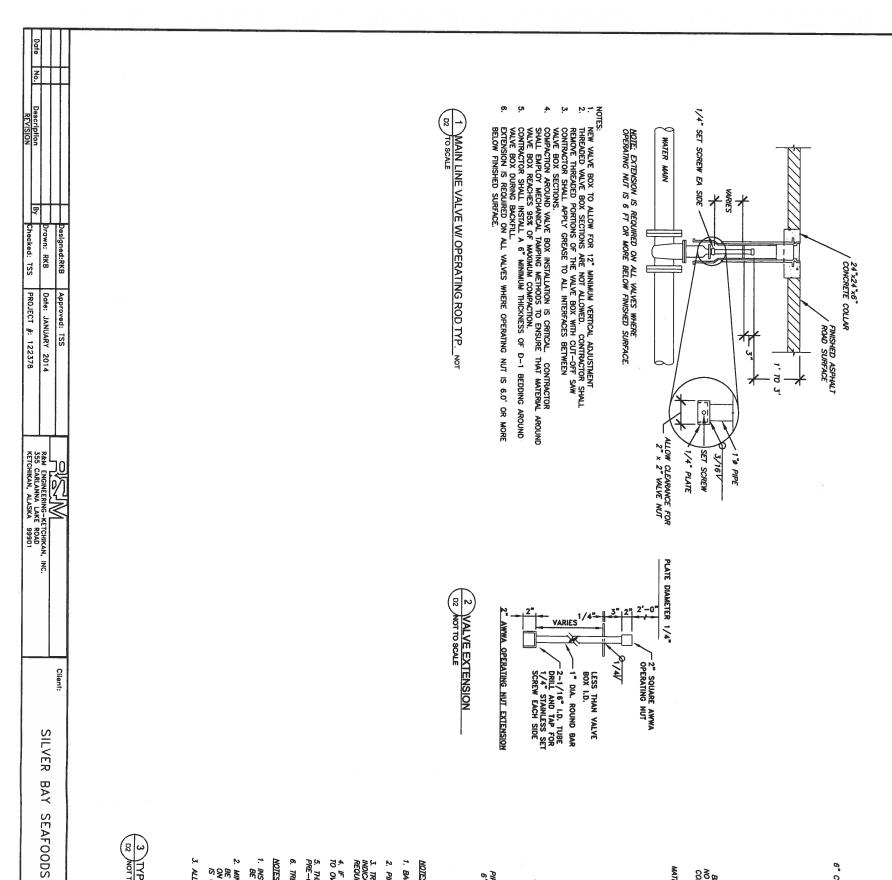


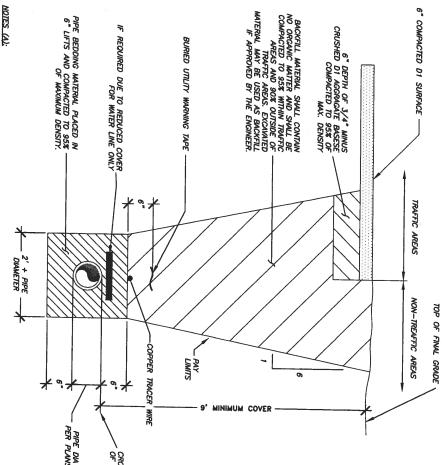


PROCESSING PLANT SITE SANITARY SEWER DETIALS

Sheet Description:

Sheet No.





- 1. BACKFILL MATERIAL SHALL BE PLACED IN 12" MAXIMUM LIFTS AS STATED IN SPECIFICATIONS.
- 2. PIPE BEDDING MATERIAL MUST BE PLACED IN 6" MAX LIFTS BETWEEN COMPACTION.
- 3. TRENCH EXCAVATION AND SHORING SHALL COMPLY WITH LOCAL. STATE, AND OSHA REGULATIONS AND REQUIREMENTS. NIDICATED SLOPE IS FOR PAY QUANTITY DETERMINATION ONLY FOR IMPORTED BACKFILL GRAVEL AND RESURFACING REQUIREMENTS.
- 4. IF UNSUITABLE PIPE FOUNDATION MATERIAL IS ENCOUNTERED DURING EXCAVATION, ENGINEER MAY DIRECT THE CONTRACTOR TO OVER-EXCAVATE AND BACKFILL WITH SUITABLE MATERIAL.
- 5. THE DITCHLINE, IF ONE EXISTS, SHALL BE RESHAPED IN SUCH A MANNER TO ALLOW POSITIVE DRAINAGE TO MATCH PRE—CONSTRUCTION CONDITIONS.
- 6. TRENCH SECTION APPLICABLE FOR BOTH SEWER, WATER PIPE AND STORM.

NOTES (B):

- INSULATION BOARD JOINTS SHALL BE LAPPED.
- 2. MINIMUM DEPTH OF COVER SHALL BE 3'-0" UNLESS SHOWN OTHERWISE ON DRAWINGS OR PRIOR APPROVAL IS GRAVIED FROM ENGINEER.
- 9"0" OR GREATER
 7'0" OR GREATER
 6'0" OR GREATER DEPTH OF COVER NONE REQUIRED
 2 INCHES
 4 INCHES T" INSULATION THICKNESS
- 3. ALL IINSULATION SHALL BE DOW HI—60 EXTRUDED POLYSTYRENE (BLUE BOARD) OR APPROVED EQUAL

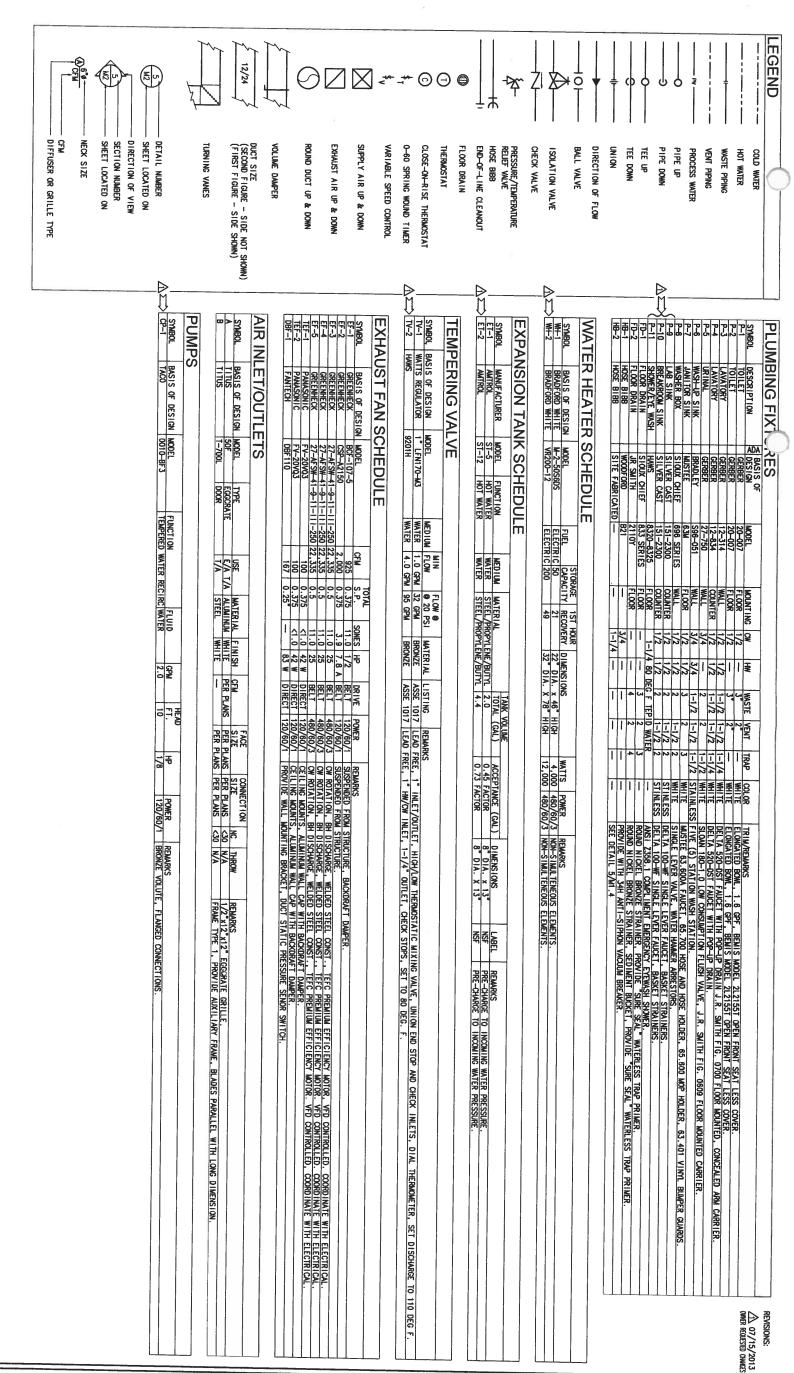


Project:

NAKNEK FISH PROCESSING PLANT







Processing Plant

Naknek Facility Development Silver Bay Seafoods, LLC Naknek, Alaska Mechanical Equipment Schedules



stephen peters architects



RSA Engineering, Inc.

WLW CHECKED BY: MWB DATE: 06/04/2013 JOB NU MSERIES

SPECIFIC TIONS:

PIANS — THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR FOR A COMPLETE AND OPERABLE SYSTEM. THE DRAWINGS A DIAGRAMMATC, NOT NECESSARILY SHOWING ALL OFFSETS OR EXACT LO PIPING AND DUCTS, UNLESS SPECIFICALLY DIMENSIONED. – THE CONTRACTOR SHALL SECURE AND PAY FOR AND FEES. ALL NECESSARY BOR NECESSARY
S ARE PARTLY
I LOCATIONS OF

CODE — ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE (BG), INTERNATIONAL ELECTRICAL CODE (IMC) AND UNIFORM PLUMBING CODE (UPC) AND THE MATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE STATE OF ALASKA AND LOCAL JURESDICTIONS. SHEET METAL WORK SHALL BE DONE IN ACCORDANCE WITH SMACKA STRANDARDS. GENERAL LIABILITY

EQUIPMENT SUBSTITUTIONS — ALL EQUIPMENT LISTED IS REPRESENTATIVE OF THE STANDARD OF CHAILTY AND PERFORMANCE REQUIRED. OR EQUAL SUSSTITUTIONS WILL BE CONSIDERED IF THE SUBSTITUTE CATALOG CUTS ARE SUBMITTED AND ARE SHOWN TO BE EQUAL OR BETTER QUALITY, INCLUDING EFFICIENCY OF PERFORMANCE, SIZE AND WEIGHT. NSURANCE - WORKER'S COMPENSATION INSURANCE, AND NSURANCE AT ALL TIMES WHILE WORKING ON THIS PROJECT.

WARRANTY — ALL WORK PERFORMED UNDER THIS COMPACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM ACCEPTANCE. ANY FAULTY MATERIALS OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER DURING THE GUARANTEE PERIOD.

ELECTRICAL WORK - ALL ELECTRICAL WORK IS TO BE PERFORMED BY A LICENSED ELECTRICAL N ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, NEC. S - ALL MATERIALS OTHER THAN OWNER SUPPLIED SHALL BE NEW AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND BEST PRACTIC OF THE CRAFT. OBTAIN OWNER'S APPROVAL OF ALL IS PRIOR TO ORDERING OR INSTALLING ANY PART OF ANY SYSTEM.

OPERATION AND MAINTENANCE MANUAL — PROVIDE THE OWNER WITH AN OPERATING AND MAINTENANCE MANUAL, TO INCLUDE MANUFACTURER'S SPECIFICATIONS, OPERATING AND MAINTENANCE INSTRUCTIONS, WARRANTY INFORMATION ON EACH PIECE OF EQUIPMENT, AND SCHEMATIC DIAGRAMS OF CONTROL SYSTEMS AS—BUILT, AS WELL AS A SOURCE OF SUPPLY FOR SPARE PARTS AND SERVICE. PROVIDE 3 COPIES.

START-UP - TEST ALL PLUMBING AND PIPING SYSTEMS HOUR BEFORE FILLING AND IN ACCORDANCE WITH CODE. 据 UNIFORM

ACCESS -- PROVIDE WORKABLE ACCESS TO ALL SERVICEABLE AND/OR OPERABLE EQUIPMENT.

BULANCE — THE CONTRACTOR SHALL BALANCE THE AIRFLOWS TO SITISFACTION OF THE OWNER. AIRFLOWS ARE TO BE BULANCED TO WITHIN 10% INDICATED FLOWS, PER AABC RECOMMENDED METHODS. 유류

EQUIPMENT INSTALLATION – INSTALL ALL EQUIPMENT WHERE NOTED DRAWINGS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. MISCELLANEOUS APPURTEWANCES, ACCESSORIES, SUPPORTS AND CONNECTIONS REQUIRED FOR COMPLETE AND OPERATING SYSTEMS. MANUFACTURER'S RECOMMENDED CLEARANCES. ON THE PROVIDE CONTROL MAINTAIN

PIPING INSULATION — 1" THICK GLASS FIBER, RIGID, MOLDED, NON-COMBUSTIBLE INSULATION; THERMAL COMDUCTIVITY K EQUAL 0.24 AT 1 100 DEGREES F. MEAN TEMPERATURE. ASTM C335. FACTORY APPLIED VAPOR BARBER, FLAME RESISSIANT ALL SERVICE JACKET AND TAPE, WITH PERMEABILITY RATING EQUALS 0.02 PERMS. ASTM 96.

UP TO 2 IN PRESSURE, SCREEN. ٠ ۲ - SCREWED BRASS OR IRON PATTERN WITH 1/32 INCH STAINLESS STEEL F PSIG WORKING EL PERFORATED

ADA LAVATORY -STOPS AND OR EQUAL.

- CELLULAR FOAM, PREFORMED FOR TAILPIECE, P-TRAP, ANGLE SUPPLY TUBES. LAY GUARDZ AS MANUFACTURED BY TRUEBRO

R R R R BODY FOR STAINLESS 175 PSIG WORKING STEEL PERFORATED

NUM CASE, PHOSPHOR PRASS SOCKET, BLACK PERCENT MID-SCALE MODEL 600CB AS

PRESSURE GAUGE BALL VALVE, BRAS MAXIMUM 800 PSIG EQUAL. VALVES — GAUGE ISOLATION VALVE: LEVER CHROME PLATED BRASS BALL, TEFLON SE 886 AS MANUFACTURED BY TRERICE OR AF

ABS PIPE (ABOVE GRADE ONLY) - ASTM 02751. FITTINGS: ABS. JONTS: 02235, SOLVENT WELD. (NOT ALLOWED FOR PLENUM AREAS AND AT (WALL PENETRATIONS.

COPPER PIPE - ASTM B306, DWV. ASME B16.29, WROUGHT COPPER GRADE 95TA; FLUX: ASTM B813.

V. FITTINGS: ASME E

B16.3, CAST BRONZE, OR ANSI/ASTM B32, SOLDER:

æ

PIPE: ASTM 02751, FITTINGS: ABS.

JOINTS: ASTM D2235, SOLVENT WELD.

CAST IRON PIPE - CISPI 301, HUBLESS, IRON. JOINTS: CISPI 310, NEOPRENE (CLAMP-AND-SHIELD ASSEMBLIES.

WEIGHT. FITTINGS: AND STAINLESS

SIEE

COMPRESSED AIR

STEEL PIPE: ASTM A53/A53M, SCHEDULE 40 BLACK, MALLEABLE IRON, OR ASTM A234/A234M, FORGED JOINTS: THREADED FOR PIPE 2 INCH AND SMALLER. STEEL WELDING B16.3,

DOMESTIC WATER PIPING:

TYPE L HARD DRAWN COPPER TUBING, FITTINGS: ASME B32 CAST COPPER ALLOY OR WROUGHT COPPER AND BRONZE. JOHN'S: ASTM B32, LEAD FREE SOLDER, GRADE 95TA, WATER SOLUBLE FLUX OR OR VIEGA, PRO-PRESS SYSTEM.

CPVC PIPE — ASTM D2846/D2846M, ASTM F441/F441M, OR ASTM F442/F442M, CHUORINATED POLYMINT, CHUORIDE (CPVC) MATERIAL FITINICS: ASTM D2846/D2846M, ASTM F437, ASTM F438, ASTM F439, OR ASTM F441/F441M, CPVC. JOINTS: ASTM D2846/D2846M, SOLVENT WELD WITH ASTM F483 SOLVENT CEMENT.

PEX TUBING: TUBING SHALL BE CROSS—LINKED HIGH—DENSITY POLYETHYLENE. TUBING SHALL BE PRODUCED USING SALINE METHOD OF CROSS—LINKING AND SHALL MEET THE DIMENSION AND PERFORMANCE SPECIFICATIONS OF ASTIM F876/F877 AND CSA B137.5. TUBING SHALL ALSO COMPLY WITH ANS/ANSF 61 AS SUTIABLE FOR USE WITH POTABLE WATER. TEMPERATURE AND PRESSURE RATINGS SHALL BE 160 PSI AT 73 DEGREES F, 100 PSI AT 180 DEGREES F, AND 80 PSI AT 200 DEGREES F.

WATER HAMMER ARRESTORS — ANSI A112.26.1; SIZED IN ACCORDANCE WITH POI WH-201, PRE-CHANGED SUITABLE FOR OPERATION. IN TEMPERATURE RANGE -100FF TO 300 DEG F AND MAXIMUM 250 PSIG WORKING PRESSURE; SERIES 5000 MANUFACTURED BY J.R. SMITH OR APPROVED EQUAL.

INSTALLED AND HANGERS - SIZED AND SPACED IN ACCORDANCE WITH THE AS PER THE MANUFACTURERS INSTRUCTIONS.

disinfection of potable water system — the domestic water piping system shall be disinfected in accordance with section 609.9 of the UPC.

VALVES - CLASS 150, BRONZE TWO PIECE BODY, I 3, CHROME PLATED BALL, TEFLON SEATS AND STUFFING F STEM, LEVER HANDLE, SOLDER ENDS OR PRO-PRESS. FULL PORT, FORGED

SWING CHECK VALVES - CLASS 125, BRONZE SWING DISC, SOLDER, PRO-PRESS ENDS. SCREWED

SPRING LOADED CHECK V SPRING, RENEWABLE PRO-PRESS ENDS. VALVES - IRON BODY, BRONZE COMPOSITION DISC, SCREWED SOLDER, SCREWED OR

DAPHAGAIA-TYPE COMPRESSION TANKS — DOMESTIC WATER — CONSTRUCTION, RATED FOR WORKING PRESSURE OF 125 PSIG, EPDM DAPHRAGM SEALED INTO TANK. NSF APPROVED LINER, WATER EXPANSION TANK. DELECTRIC CONNECTIONS - UNION WITH GALVANIZED OR PLATED STEEL END, COPPER SOLDER END, WATER IMPERVIOUS ISOLATION BARRIER. WELDED STEEL WITH FLEXIBLE FOR DOMESTIC THREADED

DIAPHAGIA—TYPE COMPRESSION TANKS — HYDRONIC HEATING — CO WELDED STEEL, RAIED FOR WORKING PRESSURE OF 125 PSIG, WI BUTN DIAPHAGIM SEALED INTO TANK ACCESSORES: PRESSURE AIR—CHARGING FITTING, TANK DRAIN; PRE—CHARGE TO 12 PSIG.

2-1/2 INCH TO 4 INCH: FLANGED PRESSURE, Y PATTERN WITH 3/64 SCREEN.

PRESSURE GAUGES - 3-1/2 INCH DIAMETER CAST ALUMINUM (
BRONZE BOURBON TUBE, ROTARY BRONZE MOVEMENT, BRASS
GRADUATION AND MARKINGS ON WHITE BACKGROUND, ONE PER
ACCURACY, SCALE CAUBRATED IN PSI, GLASS WINDOW. MO
MANUFACTURED BY TRERICE OR APPROVED EQUAL.

SOLAR POWERED DIGITAL THERMOMETER — HI—IMPACT ABS CASE; —50/ 300 DEG F SWITCHABLE RANGE; 1/2° LCD DIGITS, WIDE AMBIENT FORMULA DISPLAY; 1% ACCURACY; 1/10 DEG BETWEEN —19.9/199.9 DEG F RESOLUTION; 10 LUX (ONLE FOOT—CANDLE) LUX RATING; 10 SECOND UPDATE RATE; —30/140 DEG F AMBIENT OPERATING RANGE; GLASS PASSIMATED THERMISTOR — NTC SENSOR. MODEL DIGITAL WARI—ANGLE AS MANUFACTURED BY WESS PRODUCTS.

TEMPERING WALVE — MASTER WATER MIXING CONTROL VALVE SHALL BE OF THE HERMOSTATIC TYPE WITH LIQUID-FILLED MOTOR. IT SHALL HAVE BRONZE BODY CONSTRUCTION WITH REPLACEABLE CORRESSION COMPROLEMENTS. WALVE CONSTRUCTION SHALL EMPLOY SLIDING PISTON CONTROL MECHANISM, PISTON MAD LINER SHALL BE OF STANLESS STEEL MATERAL VALVE SHALL COME EQJIPPED WITH REMOVABLE UNION DID STOP AND CHECK INLETS WITH STANLESS STEEL STRANLESS, VALVE SHALL PROVIDE PROTECTION AGAINST HOT OR COLD SUPPLY LINE FAILURE AND THERMOSTAT FAILURE.

DUCTWORK — PROVIDE GALVANIZED SHEET METAL RECTANGULAR OR ROUND DUCT WHERE CALLED OUT ON THE PLANS. SEAL ALL DUCT SEAMS AND JOINTS AIRTIGHT. USE TURNING VANES IN ALL SQUARE ELBOWS AND FLAT ONLE ELBOWS. INSTALL YOLUME DAMPIERS AND ENTACTORS WHERE SHOWN ON THE DRAWINGS. ALL SHEET METAL WORK TO BE CONSTRUCTED, AND INSTALLED IN ACCORDANCE WITH SMACHA STIANDARDS. SUPPORT DUCTWORK PER SMACHA GUIDELINES.

ACCORDANCE Ĭ SMACNA

FLEXIBLE DUCT CONNECTIONS - (
WOVEN GLASS FIBER FABRIC TO N
APPROXIMATELY 3 INCHES WIDE, C
"METAL FAB" OR EQUAL UL LISTED FIRE-RETARDANT NEOPRENE COATED NFPA 90A, MINIMUM DENSITY 20 0Z. PER SQ. YO., CRIMPED INTO METAL EDGING STRIP. DURO-DYNE

SEISMIC RESTRAINT REQUIREMENTS

DUCT

VOLUME DAMPER - FABRICATE IN CONSTRUCTION STANDARDS.

DRYER EXHAUST BOOSTER FANS — <u>DBE-1</u> — THE DRYER BOOSTER FAN CYCLED ON AND OFF BY MEAKS OF THE PACKAGED, DUCT MOUNTED SENSOR. ON SENSING DRYER AIR FLOW THE FAN SHALL START. Toilet exhaust fans - $\underline{\text{iee-1}}$ & $\underline{\text{iee-2}}$ - the smitched on and off with the local lighting

ELECTRIC WATER HEATER — WH—1 — THE ELECTRIC WATER HEATER SHALL COMTROLLED BY THE PACKAGED AQUASTAT CONTROLLER. SET DISCHAURE TO 140 DEG. F. SET TEMPERING VALVE DISCHARGE TO 110 DEG EQU ENCE OF OPERATION:

EXHAUST FAN BE CYCLED ADDITIONALLY SPRING WOUNI FAN SHALL ST EXHAUST FAN — E=1 — THE MAIN TOILET EXHAUST FAN SHALL RUN CONTINUOUSLY DURING PLANT OPERATING HOURS. A WALL MOUNTED PILOT LIGHT SWITCH IN THE SHOP SHALL BE PROVIDED TO START AND STOP FAN. MAKEUP AIR SHALL VA BE THE GENERAL PLANT.

PRIMARY REFR IS IN OPERATE UP AIR SHALL OPEN FULLY A FAN — <u>EE-2</u> — THE ENTRY AND RAINGEAR ROOM EXHAUST TO NAND OFF BY A WALL MOUNTED PILOT LIGHT WALLY THE FAN MAY BE CYCLED ON AND OFF BY MEANS OF OUND TIMER. ON ACTIVATION OF ETHER OF THE SWITCH OR START. MAKEUP AIR SHALL BE VIA THE GENERAL PLANT. AUST FAN SHALL
IT WALL SWITCH
OF 0-60 MINUTE
H OR TIMER THE

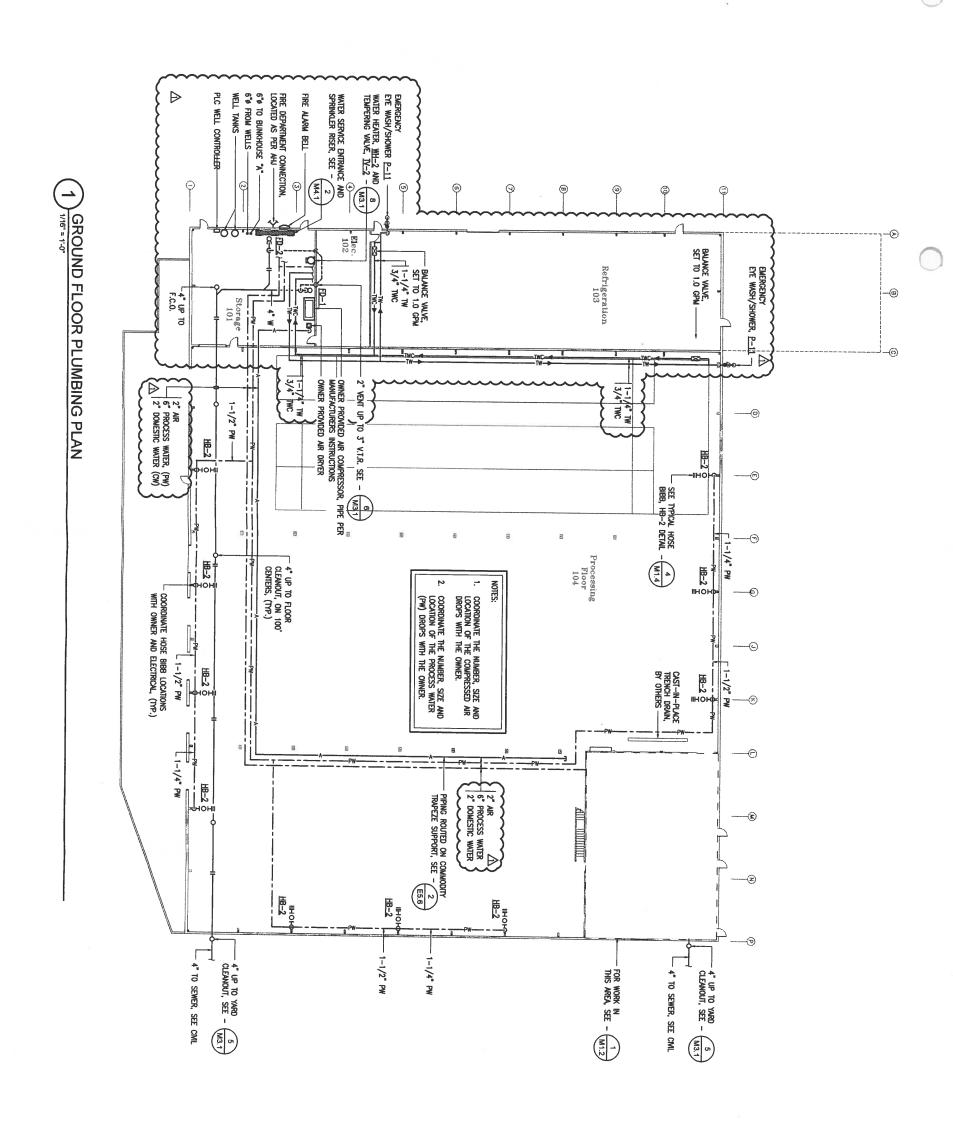
TRIGERATION EXHAUST FAN — EF-3 — WHEN THE RES VITON THE PRIMARY EXHAUST FAN SHALL RUN CONT LL BE PROVIDED BY COUNTER BALANCED BACKDRAFT AT 0.05" STATIC PRESSURE. N PLANT MAKE SET TO

EMERGENCY REFRIGERATION EXHAUST THE REFRIGERATION LEAK DETECTOR COMMINUOUSLY UNTIL CLEARED AT THE SHALL BE PROVIDED BY COUNTER BY CO

EFRIGERATION EXHAUST FANS — EF_4 AND EF_5 — ON CALL FROM VATION LEAK DETECTIOR THE FANS SHALL START AND RUN ONDED BY COUNTER BALANCED BACKORAFT DAMPERS SET TO OPEN TOILET EXHAUST FANS SHALL CIRCUIT.

spa

stephen peters architects

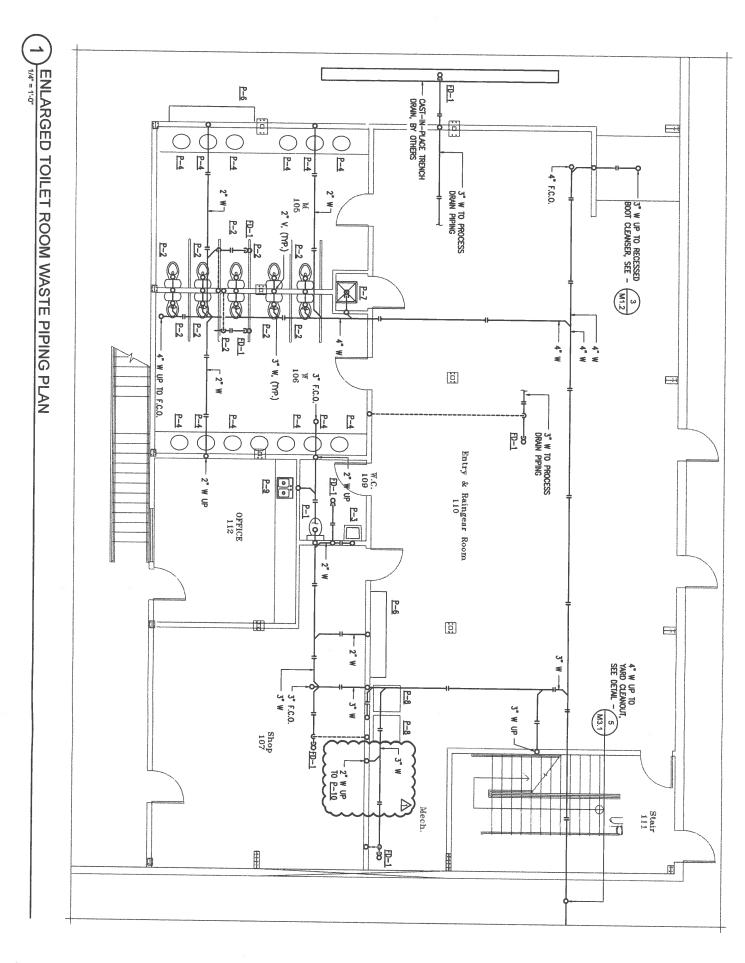


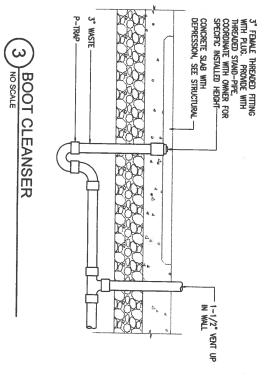


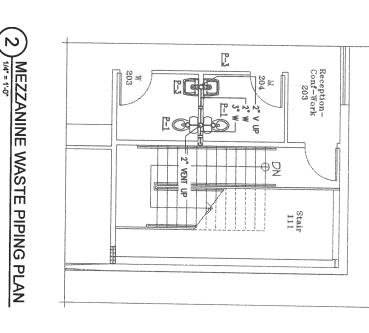


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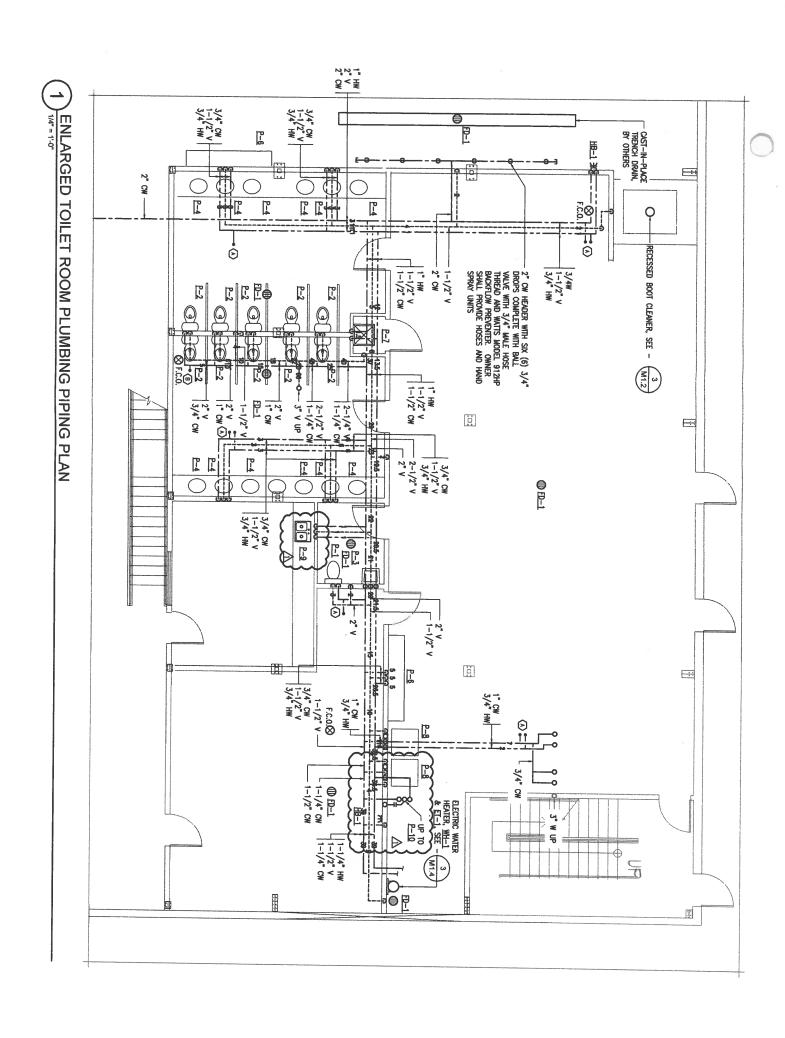






spa

Processing Plant



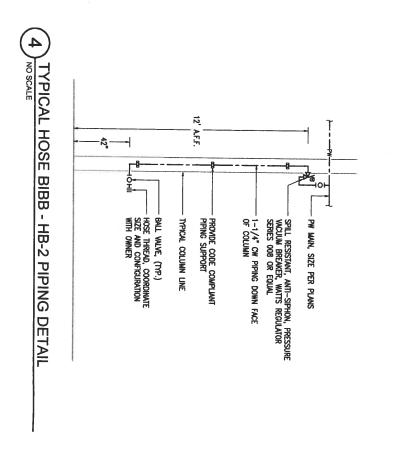


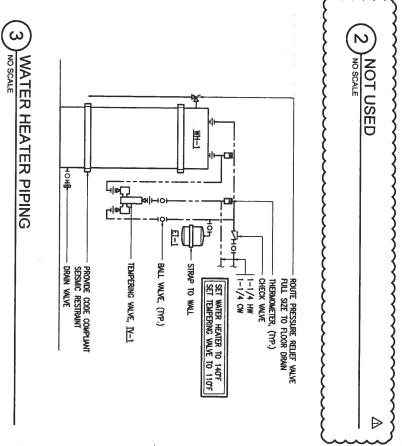




spa







- 3" V UP TO 4" V.T.R. 6
SEE TYPICAL DETAIL - (M3.1) Office5 Office8 Office7 Stair

1) SECOND FLOOR PLUMBING PLAN





M3.1

