OIL MINDER ELEVATOR SUMP PUMP SYSTEM

PROVIDE BASIS OF DESIGN OIL MINDER ELEVATOR SUMP PUMP SYSTEM AS SCHEDULED ON DRAWINGS OR AN APPROVED EQUAL. PROVIDE 1-YEAR PARTS, LABOR AND EQUIPMENT WARRANTEE FROM THE DATE OF SUBSTANTIAL COMPLETION.

OIL MINDER ELEVATOR SUMP PUMP SYSTEM START-UP, TESTING AND TRAINING PERFORM START-UP AND TESTING OF SYSTEM IN ACCORDANCE WITH SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS. TRAIN OWNERS MAINTENANCE PERSONNEL TO ADJUST, OPERATE AND MAINTAIN ENTIRE SYSTEM

SUMP PUMP SYSTEM PIPING

- GALVANIZED STEEL PIPE AND FITTINGS A. GALVANIZED-STEEL PIPE: ASTM A 53/A 53M, TYPE E, SCHEDULE 40 WEIGHT CLASS
 - INCLUDE THREADED ENDS MATCHING JOINING METHOD. B. GALVANIZED-STEEL PIPE PRESSURE FITTINGS:
 - GALVANIZED-STEEL PIPE NIPPLES: ASTM A 733, MADE OF ASTM A 53/A 53M OR ASTM A 106A 106M, SCHEDULE 40, SEAMLESS STEEL PIPE. INCLUDE ENDS
 - MATCHING JOINING METHOD. 2. MALLEABLE-IRON UNIONS: ASME B16.39; CLASS 150; HEXAGONAL-STOCK BODY WITH BALL-AND-SOCKET, METAL-TO-METAL, BRONZE SEATING SURFACE; AND
 - FEMALE THREADED ENDS. 3. GALVANIZED-GRAY-IRON. THREADED FITTINGS: ASME B16.4, CLASS 125, STANDARD

SANITARY WASTE AND VENT PIPING PVC PIPE AND FITTINGS

- A. COMPLY WITH NSF 14, "PLASTICS PIPING SYSTEMS COMPONENTS AND RELATED MATERIALS," FOR PLASTIC PIPING COMPONENTS. INCLUDE MARKING WITH "NSF-DWV" FOR PLASTIC DRAIN, WASTE, AND VENT PIPING AND "NSF-SEWER" FOR PLASTIC SEWER PIPING.
- SOLID-WALL PVC PIPE: ASTM D 2665, DRAIN, WASTE, AND VENT.
- C. PVC SOCKET FITTINGS: ASTM D 2665, MADE TO ASTM D 3311, DRAIN, WASTE, AND VENT PATTERNS AND TO FIT SCHEDULE 40 PIPE
- ADHESIVE PRIMER: ASTM F 656. SOLVENT CEMENT: ASTM D 2564.

SPECIALTY PIPE FITTINGS

- A. TRANSITION COUPLINGS: FITTING-TYPE TRANSITION COUPLINGS: MANUFACTURED PIPING COUPLING OR SPECIFIED PIPING SYSTEM
- SHIELDED. NONPRESSURE TRANSITION COUPLINGS:
 - a. STANDARD: ASTM C 1460 DESCRIPTION: ELASTOMERIC OR RUBBER SLEEVE WITH FULL-LENGTH, CORROSION-RESISTANT OUTER SHIELD AND CORROSION-RESISTANT-METAL TENSION BAND AND TIGHTENING MECHANISM ON
 - c. END CONNECTIONS: SAME SIZE AS AND COMPATIBLE WITH PIPES TO BE JOINED.

FLOOR DRAINS (FD-1) PROVIDE BASIS OF DESIGN ZURN MODEL Z415 DURA-COATED CAST IRON FLOOR DRAIN WITH 6" ROUND NICKEL-BRONZE STRAINER, MEDIUM DUTY, 4" NOMINAL PIPE SIZE OUTLET. FLOOR DRAIN TRAP ASSEMBLY SHALL BE EQUIPPED WITH A TRAP PRIMER PORT.

DOMESTIC WATER PIPING

COPPER TUBES AND FITTINGS (LEAD FREE COMPLIANT)

- A. HARD COPPER TUBE: ASTM B 88, TYPE L (ASTM B 88M, TYPE B) WATER TUBE,
- WROUGHT-COPPER, SOLDER-JOINT FITTINGS: ASME B16.22, WROUGHT-COPPER PRESSURE FITTINGS.

FOR PIPING FROM TRAP PRIMER ETP-1 TO TRAP PRIMER PORTS: PEX PLASTIC ACCORDING TO ASTM F 876; FITTINGS: ASTM F 1807, METAL INSERT AND COPPER CRIMP RINGS.

DOMESTIC WATER PIPING INSULATION

1/2" MINERAL-FIBER, PREFORMED PIPE INSULATION

A. TYPE I. 850 °F (454 °C) MATERIALS: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN COMPLY WITH ASTM C 547, TYPE I, GRADE A, FACTORY-APPLIED WITH ASJ.

NON-FREEZE WALL HYDRANT (NFWH PROVIDE BASIS OF DESIGN WATTS DRAINAGE NON-FREEZE WALL HYDRANT, MODEL HY420 OR AN APPROVED EQUAL PROVIDE 1-YEAR PARTS, LABOR AND EQUIPMENT WARRANTEE FROM THE DATE OF SUBSTANTIAL COMPLETION. DELIVER OPERATING KEY TO OWNER.

TWO-PIECE COPPER-ALLOY BALL VALVES. BRONZE BODY WITH WITH FULL-PORT, CHROME-PLATED BRONZE BALL.

CLASS 125, BRONZE LIFT CHECK VALVES WITH NON-METALLIC DISC.

DESCRIPTION:

- A. STANDARD: MSS SP-80, TYPE 2 B. CWP RATING: 200 PSIG
- C. BODY DESIGN: VERTICAL FLOW D. BODY MATERIAL: ASTM B62, BRONZE
- E. ENDS THREADED F. DISC: PTFE

FIRE PROTECTION SYSTEM PIPES AND FITTINGS

- A. PIPING, VALVES, AND DISCHARGE NOZZLES: COMPLY WITH TYPES AND STANDARDS LISTED IN NFPA 12A, SECTION "DISTRIBUTION," FOR CHARGING PRESSURE OF SYSTEM.

 - STEEL PIPE: ASTM A 53/A 53M, GRADE B, SCHEDULE 40, FINISH, SEAMLESS-STEEL PIPE. THREADED FITTINGS:
 - a. MALLEABLE-IRON FITTINGS: ASME B16.3, CLASS 300.

CONSTRUCTION, METAL GAGE, HANGERS AND SUPPORTS AND REINFORCEMENTS SHALL CONFORM WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DUCTWORK SHALL BE AIRTIGHT AND SHALL NOT VIBRATE OR PULSATE WHEN SYSTEM IS IN OPERATION. AIR LEAKAGE SHALL BE LESS THEN 5 PERCENT OF THE SYSTEM CAPACITY. CONSTRUCT DUCTWORK OF GALVANIZED STEEL. SEAL TRANSVERSE JOINTS WITH MASTIC OR SEALANT

PIPE HANGERS AND SUPPORTS

PIPE HANGERS AND SUPPORTS SHALL CONFORM TO MSS SP-58 AND MSS SP-69.

SUPPLY/RETURN DUCT INSULATION

DUCT INSULATION SHALL BE 2" THICK MINERAL FIBER BLANKET TYPE WITH FACTORY APPLIED FSK JACKET. INSULATION SHALL COMPLY WITH ASTM C 533, TYPE II.

ELECTRIC CONVECTOR HEATER

PROVIDE BASIS OF DESIGN ELECTRIC CONVECTOR HEATER AS SCHEDULED ON DRAWINGS OR AN APPROVED EQUAL. PROVIDE 1-YEAR PARTS, LABOR AND EQUIPMENT WARRANTEE FROM THE DATE OF SUBSTANTIAL COMPLETION.

SLEEVES AND SLEEVE SEALS SLEEVES

A. STEEL PIPE SLEEVES: ASTM A 53/A 53M, TYPE E, GRADE B, SHEDULE 40, GALVANIZED. WITH PLAIN ENDS AND INTEGRAL WELDED WATERSTOP COLLAR.

SLEEVE INSTALLATION

- A. INSTALL SLEEVES FOR PIPING PASSING THROUGH PENETRATIONS IN FLOORS, PARTITIONS,
- AND WALLS. B. INSTALL SLEEVES IN CONCRETE FLOORS, AS NEW SLABS ARE CONSTRUCTED.
 - EXTEND SLEEVES INSTALLED IN FLOORS OF MECHANICAL EQUIPMENT AREAS OR OTHER WET AREAS 2 INCHES (50mm) ABOVE FINISHED FLOOR LEVEL.
- 2. USING GROUT OR SILICONE SEALANT, SEAL THE SPACE OUTSIDE OF SLEEVES IN SLABS AND WALLS.
- C. INSTALL SLEEVES FOR PIPES PASSING THROUGH INTERIOR PARTITIONS. CUT SLEEVES TO LENGTH FOR MOUNTING FLUSH WITH BOTH SURFACES.

PENTRATIONS WITH FIRE- AND SMOKE-STOP MATERIALS.

- INSTALL SLEEVES THAT ARE LARGE ENOUGH TO PROVIDE 1/4-INCH (6.4mm)
- ANNULAR CLEAR SPACE BETWEEN SLEEVE AND PIPE OR PIPE INSULATION. SEAL ANNULAR SPACE BETWEEN SLEEVE AND PIPING OR PIPING INSULATION; USE
- JOINT SEALANTS APPROPRIATE FOR SIZE, DEPTH, AND LOCATION OF JOINT. D. FIRE-RESISTANCE-RATED PENETRATIONS, HORIZONTAL ASSEMBLY PENETRATIONS, AND SMOKE BARRIER PENETRATIONS: MAINTAIN INDICATED FIRE OR SMOKE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS. SEAL PIPE

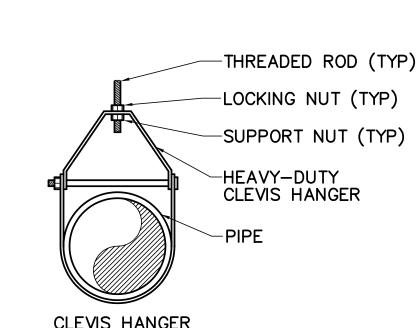
GENERAL MECHANICAL NOTES

PROTECT EXISTING AREAS NOT IN CONTRACT FROM DAMAGE DURING CONSTRUCTION ACTIVITES INCLUDING DUST FROM PENETRATIONS.

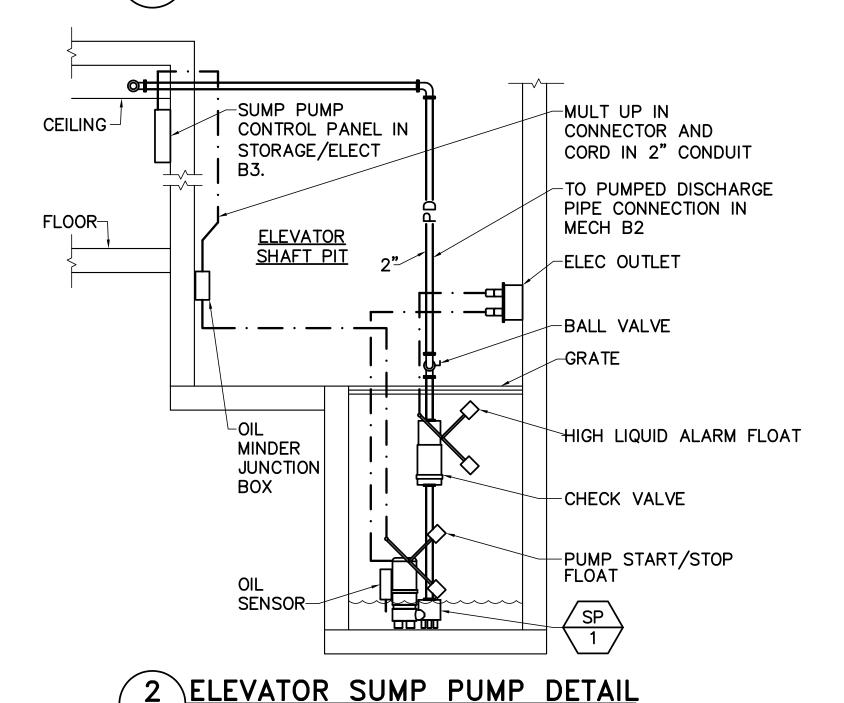
- 2. COORDINATE AND OBTAIN INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
- MAINTAIN VENTILATION, HEATING AND COOLING TO AREAS SERVED BY EXISTING AHUS DURING REMOVALS AND CONSTRUCTION, TO PROVIDE TENABLE CONDITIONS IN SPACES.

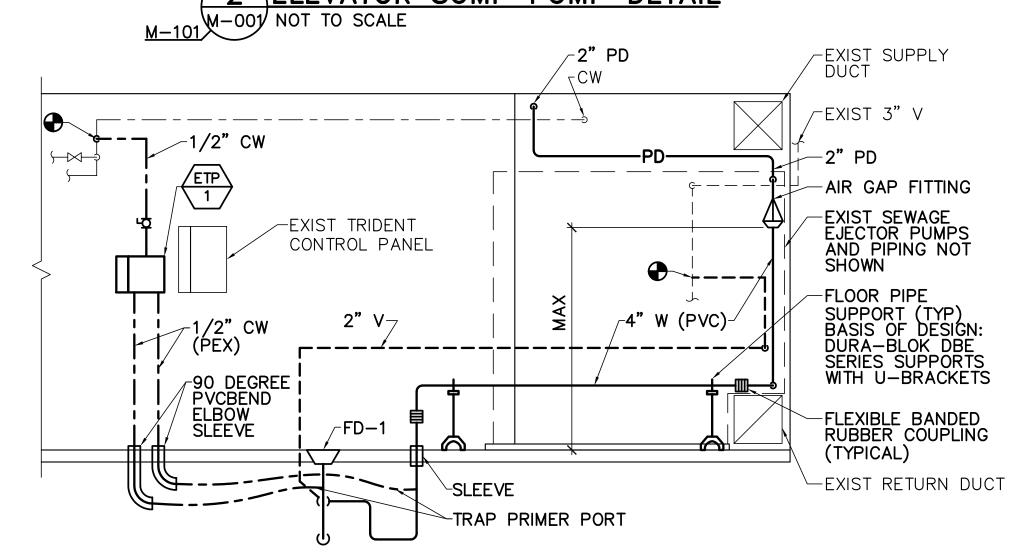
GENERAL PLUMBING SYSTEM NOTES

- 1. COMPLY WITH THE MAINE STATE INTERNAL PLUMBING CODE - CURRENT EDITION.
- INSTALL SANITARY DRAINAGE WITH A PITCH OF 1/4 INCH PER FOOT FOR BUILDING SANITARY PIPING 3 INCHES AND SMALLER AND A PITCH OF 1/8 INCH PER FOOT FOR BUILDING SANITARY PIPING 4 INCHES AND LARGER.
- 3. PIPING IS SHOWN DIAGRAMMATICALLY, EXACT LOCATION SHALL BE DETERMINED IN THE FIELD.
- 4. SUPPORT PIPING FROM BUILDING STRUCTURE AND, WHERE APPLICABLE, TOP CHORD OF JOISTS. NO STRUCTURAL MEMBERS SHALL BE CUT.
- 5. INSTALL WATER PIPE ON THE WARM SIDE OF BUILDING INSULATION IN EXTERIOR WALLS. REFER TO ARCHITECTURAL WALL SECTIONS.
- 6. PIPING DROPS TO FIXTURES SHALL BE ANCHORED SOLID TO WALL WITH STEEL SUPPORT BRACKET WITH ADJUSTABLE CLIP.
- PROVIDE STEEL PIPE SLEEVES AT SLAB PENETRATIONS BOTH ON GRADE AND ABOVE GRADE, AND AT MASONRY WALL AND PARTITION PENETRATIONS. OPENINGS SHALL BE SEALED SMOKE AND WATER TIGHT.
- 8. HOSE END VALVES SHALL BE PROVIDED WITH HOSE END VACUUM BREAKERS.
- 9. COORDINATE LOCATION OF PIPING WITH WORK OF OTHER TRADES. PERFORM CUTTING WORK ASSOCIATED WITH PLUMBING SYSTEMS.



1 PIPE HANGER ATTACHMENT DETAIL M-001 NOT TO SCALE





ELEVATOR PUMPED DISCHARGE 3 AND INDIRECT WASTE PIPING DETAIL M-001 NOT TO SCALE

MECHANICAL & PLUMBING ABBREVIATIONS

© AD AFF APPROX ASJ'Y BLAP CLG CONC CUW DB DISCH DOMA DWG EACEFF ELEV EQUIP	EXIST FACO FD FF STALL ST FACO FF STALL ST FOR STALL ST FOR STALL	EXISTING DEGREES FAHRENHEIT FIRE ALARM CONTROL PANEL FLOOR CLEANOUT FLOOR DRAIN FINISH FLOOR FIXTURE FULL LOAD AMPS FLOOR FEET PER MINUTE FOOT/FEET GAUGE GALLONS GALLONS PER HOUR GALLONS PER MINUTE GYPSUM WALLBOARD HUMIDIFIER/HUMIDISTAT, HEIGHT WATER HOSEBIBB HEAD HEATING HEIGHT HORIZONTAL HORSEPOWER HOUR HEIGHT HEATING, VENTING & AIR CONDITIONING (UNIT) HOT WATER HERTZ INSIDE DIAMETER INCHES	INV L LAV LF C MAX MECH MFR, MFR MIN MTG N/C NFP NTS NFP OAT OP PH PRSIG R R R R R R R R R R R R R R R R R R R	INVERT LOUVER, LENGTH LAVATORY LINEAR FEET LOCATION/LOCATED MAXIMUM MAXIMUM PRESSURE DROP MECHANICAL MANUFACTURER MINIMUM MOTOR MOUNTING NOT APPLICABLE NOT IN CONTRACT NON-FREEZE WALL HYDRANT NUMBER NOT TO SCALE NATIONAL FIRE PROTECTION ASSOCIATION OUTSIDE AIR OUTSIDE AIR TEMPERATURE ON CENTER PUMP, PITCH OR PRESSURE PUMPED DISCHARGE PHASE PRESSURE PRESSURE PRESSURE PRESSURE PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POUNDS, RETURN RETURN AIR RETURN AIR RETURN AIR RETURN FAN REQUIRED ROOM	RPM RPZ S SAN SAT SF SIM SMACNA SP SQ T TC TCP TEMP TS TSP TYP UL VERT VTR W WC WCO WG WHA WPD	REVOLUTIONS PER MINUTE REDUCED PRESSURE ZONE SINK, SANITARY, SUPPLY SANITARY SUPPLY AIR TEMPERATURE, SUSPENDED ACOUSTICAL TILE SQUARE FOOT SIMILAR SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION STATIC PRESSURE, SUMP PUMP SQUARE THERMOSTAT, TRANSFER TOTAL COOLING TEMPERATURE CONTROL PANEL TRAP, TEMPERATURE, TEMPORARILY TRANSFER GRILLE TRAP PRIMER ASSEMBLY TEMPERATURE SENSOR TOTAL STATIC PRESSURE TYPICAL UNDERWRITERS LABORATORY VENT, VALVE, VOLTS VELOCITY VERTICAL VENT TO ROOF WASTE, WIDTH, WATTS WASTE AND TRAP WITH WATER COLUMN, WATER CLOSET WALL CLEANOUT WATER GAUGE WATER HAMMER ARRESTOR WATER PRESSURE DROP
		F FCO FD FF FIXAR FT A GALH MP HOR HOR HOR HOW	F DEGREES FAHRENHEIT FACP FIRE ALARM CONTROL PANEL FCO FLOOR CLEANOUT FD FLOOR DRAIN FF FINISH FLOOR FIX FIXTURE FLA FULL LOAD AMPS FLR FLOOR FPM FEET PER MINUTE FT FOOT/FEET GA GAUGE GAL GALLONS GPH GALLONS PER HOUR GPM GALLONS PER MINUTE GYP GYPSUM WALLBOARD H HUMIDIFIER/HUMIDISTAT, HEIGHT H2O WATER HB HOSEBIBB HD HEAD HTG HEATING HGT HEIGHT HORIZ HORIZONTAL HP HORSEPOWER HR HOUR HT HEIGHT HVAC HEATING, VENTING & AIR CONDITIONING (UNIT) HW HOT WATER HZ HERTZ ID INSIDE DIAMETER IDW INDIRECT WASTE	F DEGREES FAHRENHEIT FACP FIRE ALARM CONTROL PANEL FCO FLOOR CLEANOUT FD FLOOR DRAIN FD FLOOR DRAIN FIX FIXTURE FLA FULL LOAD AMPS FLR FLOOR FFM FEET PER MINUTE FT FOOT/FEET GA GAUGE GAL GALLONS GPH GALLONS PER HOUR GYP GYPSUM WALLBOARD H HUMIDIFIER/HUMIDISTAT, HEIGHT H2O WATER HB HOSEBIBB HD HEAD HCA HORIZ HORIZONTAL HP HORSEPOWER HT HEIGHT HVAC HEATING, VENTING & AIR CONDITIONING (UNIT) HY HZ HERTZ ID INSIDE DIAMETER IN FFA IDW INDIRECT WASTE IN INCHES REQ'D	F DEGREES FAHRENHEIT FACP FIRE ALARM CONTROL PANEL FCO FLOOR CLEANOUT FD FLOOR DRAIN FD FLOOR DRAIN FIX FINISH FLOOR FIX FIXTURE FLA FULL LOAD AMPS FLA FULL LOAD AMPS FLA FULL LOAD AMPS FLA FULL LOAD AMPS FET PER MINUTE FT FOOT/FEET GA GAUGE GAL GALLONS GAL GALLONS GPH GALLONS PER HOUR GYP GYPSUM WALLBOARD H HUMIDIFIER/HUMIDISTAT, HEIGHT H2O WATER HB HOSEBIBB HO EATING HO OAT HORSEPOWER HT HEIGHT HOUR H HEIGHT H HOUR H HOUR H HOUR H HOUR H HOUR H HOUR H HEIGHT H HOUR H P HORSEPOWER H H HOUR H P HORSEPOWER HR HOUR H PESSURE REDUCING VALVE H PRESSURE H R R RADIUS, RETURN IN INCHES H R RADIUS, RETURN IN INCHES	FACP FIRE ALARM CONTROL PANEL LAV LAVATORY S FCO FLOOR CLEANOUT LF LINEAR FEET SAN FD FLOOR DRAIN LOC LOCATION/LOCATED SAT FF FINISH FLOOR MAX MAXIMUM FIX FIXTURE MAX PD MAXIMUM PRESSURE DROP SF FLA FULL LOAD AMPS MECH MECHANICAL SIM FLA FULL CON MIN MINIMUM FT FEOT PER MINUTE MIN MOTOR SP GA GAUGE MTG MOUNTING SQ GAL GALLONS N/A NOT APPLICABLE T GPH GALLONS PER MINUTE NFWH NON-FREEZE WALL HYDRANT TCP GYP GYPSUM WALLBOARD NO NUMBER TEMP H HUMIDIFIER/HUMIDISTAT, HEIGHT NFD NATIONAL FIRE PROTECTION ASSOCIATION TP HB HOSEBIBB OA OUTSIDE AIR TEMPERATURE TSP HTG HEATING OC ON CENTER TYP HGT HEIGHT PROSSURE REDUCING VALVE VIR HT HORSEPOWER PH PHASE VEL HW HORSEPOWER PH PHASE VEL HW HOT WATER QTY QUANTITY HW HOT WATER RA RETURN AIR TEMPERATURE WCO IDW INDIRECT WASTE RA RETURN AIR TEMPERATURE WCO IDW INDIRECT WASTE RA RETURN AIR TEMPERATURE WCO IDW INDIRECT WASTE RA RETURN AIR SEQUINED WPD

PLUMBING SYMBOLS LEGEND

AIR VENT, MANUAL

DIRECTION OF FLOW

VACUUM RELIEF VALVE

CONCENTRIC REDUCER

FLOOR DRAIN

OWNER'S PERSONNEL ON THERMOSTAT PROGRAMMING FUNCTION.

NON-FREEZE WALL HYDRANT

∞—— P−TRAP

——

WATER METER

COUNTERTOP LAVATORY

WALL HUNG LAVATORY

CONNECT TO EXISTING

PIPE TRANSITION

PIPE TEE DOWN

STRAINER

BALL VALVE

GATE VALVE

CHECK VALVE, SWING

CHECK VALVE, SPRING

DIRECTION OF FLOW

WCO ├── WALL CLEANOUT

KEY NOTE

ELBOW DOWN

-SYMBOL PER ABBREVIATION LIST

- EQUIPMENT SEQUENCE NUMBER

PIPE TEE UP OR UP AND DOWN

ELBOW UP OR UP AND DOWN

MECHANICAL SYMBOLS LEGEND

EGEND	MECHANIC	JAL SIMBOLS LEGEND
CALIBRATED BALANCING VALVE WITH POSITIVE SHUTOFF	S-1 100	AIR INLET OR OUTLET WITH CFM
OS&Y VALVE IN VERTICAL	2	KEYNOTE
BALL VALVE IN VERTICAL	•	CONNECT TO EXISTING
P-TRAP	\square	EXHAUST GRILLE/REGISTER
CAP	[] AD	ACCESS DOOR ON BOTTOM OF DUCT
UNION		DUCT
WATER HAMMER ARRESTOR		RETURN DUCT UP
WATER METER		EXHAUST DUCT UP
REDUCED PRESSURE ZONE		SUPPLY DUCT UP
BACKFLOW PREVENTOR AIR GAP FITTING	Ŋ	SQUARE ELBOW WITH TURNING VANES
, 5, ii 1111110		FINTUBE RADIATION AND ENCLOSURE
AIR VENT, AUTOMATIC	IINF	TYPE LEGEND

WITH TURNIN	NG VANES NATION AND ENCLOSURE
LINE TYPE I	
	LOLIND
	REMOVE ITEMS
	EXIST ITEMS TO REMAIN
	PROVIDE ITEMS
——— W ———	WASTE PIPE
——— SAN———	SANITARY SEWER
— — SAN — —	SANITARY SEWER BELOW FLOOR OR GRADE
	VENT
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER (110°F
———PD———	PUMPED DISCHARGE

		ELECT	RONIC	TRAP PRI	MER	ASSEM	IBLY SCHEDULE	
UNIT NO	LOCATION	MOUNTING	NO OF MANIFOLD OPENINGS	NO OF DESIGN CONNECTIONS	CONN SIZE	ELEC	BASIS OF DESIGN	NOTES
ETP-1	MECH B2	WALL	1	1	1/2"	120V/1PH	PRECISION PLUMBING PRODUCTS, MPB-500	1,2
NOTES: 1.	PROVIDE	WITH NEMA T	YPE 1, UL 5	O WALL MOUN	TED ENC	LOSURE.		
2.	PROVIDE	1/2" PEX TUE	BE AND FIXT	URES FROM EL	ECTRON	C TRAP PE	RIMER ASSEMBLY TO PRIMER PORT ON TRAP.	•

	t	LLECIR	RIC C	ONAFCIO	R HEATER SCHEDULE	
UNIT NO	LOCATION	HEATING MBH	INPUT KW	VOLTS/PHASE	BASIS OF DESIGN	NOTES
EC-1	ELEVATOR HOISTWAY	3.4	1.0	120/1	BERKO COMMERCIAL SLOPE-TOP CONVECTOR ICST 04	1,2
NOTES: 1. 2.		DAY PROG	RAMMAB	LE THERMOSTA	T SWITCH. T WITH DIGITAL DISPLAY AND NECESSARY CONTROL WIRI SETPOINT: OCCUPIED: 65°F, UNOCCUPIED: 60°F. TRAIN	

UNIT NO	FACE SIZE IN	NECK SIZE IN	MAX PRESSURE DROP IN WC	MAX NOISE CRITERIA	CFM RANGE	TYPE	BASIS OF DESIGN	NOTES
E-1	_	8x8	0.05	< 20	0-120	LOUVERED RETURN REGISTER	PRICE 535D	1,2,3

OF DESIGN OIL MINDER WITH SE-50 PUMP 1,2
OIL MINDER WITH SE-50 PUMP 1,2
ESSARY CABLE CORD, CONDUIT AND

ENT TO ROOF ASTE, WIDTH, WATTS ASTE AND TRAP ATER COLUMN, WATER CLOSET ALL CLEANOUT

0

CRESWELL

3-23-13A

		ELECT	RONIC	TRAP PR	IMER	ASSEM	BLY SO	CHEDUL	_E		
UNIT NO	LOCATION	MOUNTING	NO OF MANIFOLD OPENINGS	NO OF DESIGN CONNECTIONS	CONN SIZE	ELEC		BASIS OF	DESIGN		NOTES
ETP-1	MECH B2	WALL	1	1	1/2"	120V/1PH	PRECISION	PLUMBING	PRODUCTS,	MPB-500	1,2
NOTES: 1.	PROVIDE	WITH NEMA T	YPE 1, UL 5	O WALL MOUN	TED ENC	LOSURE.					
9	DBOVIDE	1 /0" DEV THE	DE AND EIVI	TUDES EDOM EL	ECTRON	IC TOAD DE	DIMED ACCE	MDIV TO D	DIMED DODI	CAL TOAD	

	E	ELECTR	RIC C	ONVECTO	R HEATER SCHEDULE	
UNIT NO	LOCATION	HEATING MBH	INPUT KW	VOLTS/PHASE	BASIS OF DESIGN	NOTES
EC-1	ELEVATOR HOISTWAY	3.4	1.0	120/1	BERKO COMMERCIAL SLOPE-TOP CONVECTOR ICST 04	1,2
NOTES: 1.	PROVIDE FACTORY INS	TALLED DO	DUBLE P	OLE DISCONNEC	T SWITCH.	
2.	•				T WITH DIGITAL DISPLAY AND NECESSARY CONTROL WIRI	
	CONDUIT ASSEMBLY I	O CONNE	CIIOH	EAIEK. INIIIAL	SETPOINT: OCCUPIED: 65°F, UNOCCUPIED: 60°F. TRAIN	1

UNIT NO	FACE SIZE IN	NECK SIZE IN	MAX PRESSURE DROP IN WC	MAX NOISE CRITERIA	CFM RANGE	TYPE	BASIS OF DESIGN	NOTES
E-1	_	8x8	0.05	< 20	0-120	LOUVERED RETURN REGISTER	PRICE 535D	1,2,3
NOTES: 1.			ON, WHITE P		AT FINISH.	3. FIXED LOUVERS, 45°DEFI	_ECTION, 1/2" BLADE	SPACIN

UNIT NO	SERVES	TYPE	GPM	TOTAL	E	LECTRICA	4L	BASIS	NOTES
01111 110	SERVES	'''	0	HEAD	HP	VOLTS	RPM	OF DESIGN	NOTES
SP-1	ELEVATOR SUMP	SUMP	50	19 FT	1/2	115	3450	STANCOR OIL MINDER WITH SE-50 PUMP	1,2

DWG.:M-001

MECHANICAL

PLUMBING AND

FIRE PROTECTION

LEGENDS, SYMBOLS

ABBREVIATIONS

DETAILS AND

SCHEDULES

SCALE: AS NOTED

DATE: 3-29-17