MECHANICAL LEGEND

ABBREVIATIONS

ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AIR	MEDICAL OR COMPRESSED AIR
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BLW	BELOW
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
CAP	CAPACITY
CD	CONDENSER WATER RETURN
CDR	CONDENSER WATER SUPPLY
CDS	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CLG	CEILING OR COOLING (CONTEXT)
CO	CLEANOUT
CONT	CONTINUOUS OR CONTINUATION (CONTEXT)
CW	DOMESTIC COLD WATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
DB	DRY BULB (TEMP)
DEG	DEGREES
DN	DOWN
DWG	DRAWING
ELEC	ELECTRIC OR ELECTRICAL (CONTEXT)
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMP
EXIST	EXISTING
EXST	EXISTING
FD	FLOOR DRAIN (PLUMBING); FIRE DAMPER (HVAC)
FDC	FIRE DEPARTMENT CONNECTION
FRM	FILTER RETURN GRILL
FRG	FEET PER MINUTE
FT	FEET
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSEPOWER
HTG	HEATING
HUB	HUB DRAIN
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RETURN
HZ	HERTZ (FREQUENCY)
IN	INCHES
INCL	INCLUDES, INCLUDING (CONTEXT)
KW	KILOWATT
LAT	LEAVING AIR TEMP
LWT	LEAVING WATER TEMP
MBH	THOUSAND BTUH
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINUTE(S)
MTD	MOUNTED
NTS	NOT TO SCALE
O2	OXYGEN
PD	PRESSURE DROP
PLBG	PLUMBING
PSI	POUNDS PER SQUARE INCH (PRESSURE)
PSIG	PSI (GAUGE PRESSURE)
RD	ROOF DRAIN
RG	REQUIRED
REQD	RETURN GRILL
RPM	REVOLUTIONS PER MINUTE
SEC	SECONDS
SENS	SENSIBLE
SP	STATIC PRESSURE
SQ FT	SQUARE FOOT/FEET (AREA)
SWG	SIDEWALL GRILL / REGISTER
TEMP	TEMPERATURE
THRU	THROUGH
TYP	TYPICAL
VAC	VACUUM
VERT	VERTICAL
VTR	VENT THROUGH ROOF
W	WITH
W/O	WITHOUT
WB	WET BULB (TEMP)
WG	WATER GAUGE (PRESSURE)
WPD	WATER PRESSURE DROP
WSHP	WATER SOURCE HEAT PUMP

SYMBOLS

FD	FIRE DAMPER
AP	ACCESS PANEL
	SPIN-IN DUCT FITTING
	FLEX RUNOUT FROM SPIN-IN FITTING
	CEILING DIFFUSER
	RETURN AIR GRILL
	45 DEG BRANCH TAKEOFF WITH DAMPER
	PIPE DOWN
	PIPE UP
OR	ISOLATION VALVE (PIPING)
BDD	BACKDRAFT DAMPER
M	MOTORIZED OBVD DAMPER
T	THERMOSTAT / TEMPERATURE SENSOR
H	HUMIIDITY SENSOR
CO2	CARBON DIOXIDE SENSOR

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	ROUGH-IN WASTE	ROUGH-IN CW	ROUGH-IN HW	MODEL
F-1	WATER CLOSET, WHITE VIT CHINA, FLUSH VALVE, WALLHUNG, SIPHON JET	3"	1"	--	KOHLER K-4330-0 KINGSTON, TOP SPUD W/ OPEN-FRT SEAT LESS CVR 1.6 GPF SENSOR FLUSH VLV
F-1A	WATER CLOSET, WHITE VIT CHINA, FLUSH VALVE, WALLHUNG, SIPHON JET ADA/UFAS HEIGHT	3"	1"	--	KOHLER K-4330-0 KINGSTON, TOP SPUD W/ OPEN-FRT SEAT LESS CVR 1.6 GPF SENSOR FLUSH VLV (MOUNTED AT ADA-HEIGHT)
F-2	WALL HUNG LAV, WHITE VIT CHINA 19x17 RECT., 4" CENTERS, OPEN GRID STRAINER	1 1/2"	1/2"	1/2"	KOHLER CHESAPEAKE K-1728 WITH SLOAN SF-2350 SENSOR-OP FAUCET W/ AERATOR
F-2A	WALL HUNG LAV, WHITE VIT CHINA 19x17 RECT., 4" CENTERS, OPEN GRID STRAINER, OFFSET TAILPIECE, ADA/UFAS HEIGHT	1 1/2"	1/2"	1/2"	KOHLER CHESAPEAKE K-1728 WITH SLOAN SF-2350 SENSOR-OP FAUCET W/ AERATOR
F-3	FLUSH-VALVE URINAL	2"	3/4"	--	KOHLER DEXTER K-5016-ET ELONGATED URINAL, TOP SPUD, WITH STRAINER AND SLOAN 1.0 GPF SENSOR-OP FLUSH VALVE
F-3A	ADA/UFAS FLUSH-VALVE URINAL	2"	3/4"	--	KOHLER DEXTER K-5016-ET ELONGATED URINAL, TOP SPUD, WITH STRAINER AND SLOAN 1.0 GPF SENSOR-OP FLUSH VALVE, ADA HEIGHT
F-4	CAST TERRAZZO MOP SINK 24x24x12 WITH 6" DROP FRONT, MOP HANGER, SVC FAUCET, HOSE, & HOOK	1 1/2"	1/2"	1/2"	FIAT TSBC3010 WITH STAINLESS BUMPER GAURD, HANGER, SERVICE FAUCET
F-5	WHITE CAST IRON SERVICE SINK REAR MOUNT SERVICE FAUCET	3"	3/4"	3/4"	KOHLER BANNON K-6714 DRILLED BACK 22"X18" ENAMALED CAST IRON SINK WITH TRAP AND FAUCET (FAUCET K-8905-CHROME FINISH)
F-5A	STAINLESS STEEL TWO-COMPARTMENT SINK	3"	3/4"	3/4"	ADVANCE TABCO STAINLESS STEEL TWO-COMP SINK 400 SERIES SINK 4-2-48 (1)
F-6	SINGLE STATION WALL MOUNTED WATER COOLER	1 1/2"	1/2"	--	ELKAY EZS WALL HUNG SINGLE WATER FOUNTAIN WITH FRONT PUSHBUTTON
F-6A	BARRIER-FREE DUAL STATION WATER COOLER	1 1/2"	1/2"	--	ELKAY EZSTL8C WALL HUNG DUAL WATER FOUNTAIN WITH FRONT PUSHBUTTON, STD & ADA HEIGHT
F-7	PRESSURE-BALANCED SHOWER VALVE WITH TRIM	2"	1/2"	1/2"	KOHLER K-T6910-4A SHOWER TRIM WITH K-304 PRESS.BALANCED VLV BODY,
F-7A	ADA/UFAS COMPLIANT SHOWER VALVE WITH LEVER HANDLE CONTROLS, HANDHELD PERSONAL SHOWER, AND ADJUSTABLE ROD SUPPORT	2"	1/2"	1/2"	AMERICAN STANDARD 1662.551 TRIM WITH PRESS.BALANCED VLV BODY, INCL. SHOWER HEAD, HOSE, & SLIDE BAR
F-8	EMERGENCY SHOWER / EYEWASH FLOOR-SUPPORTED WITH TEMPERING VALVE, PULL HANDLE, AND DUST CAPS	2"	1/2"	1/2"	BRADLEY MODEL S19-310AC COMBINATION SHOWER / EYEWASH ON FLOOR STAND WITH THERMOSTATIC MIXING VALVE
F-9	STAINLESS STEEL TWO-COMP KITCHEN SINK WITH LEVER HANDLE GOOSENECK FAUCET	3"	3/4"	3/4"	ELKAY PSR3321 SINK, SELF-RIMMING, WITH LEVER HANDLE GOOSENECK FAUCET AND RESIDENTIAL DISPOSAL

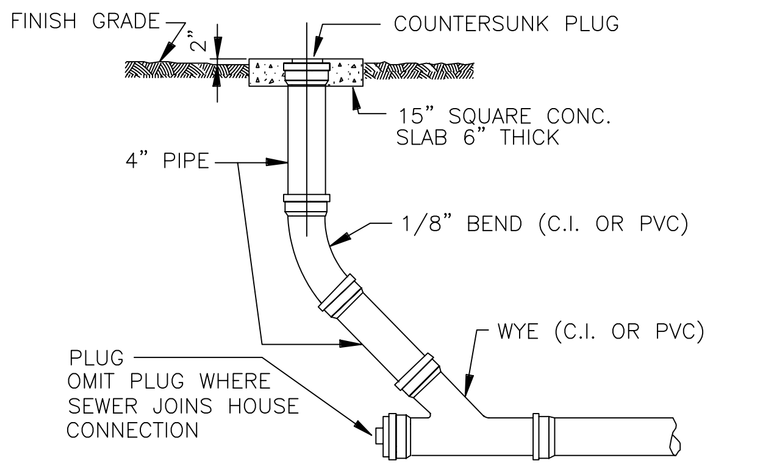
INSULATE ALL WASTE AND SUPPLY PIPING FOR ADA-COMPLIANT FIXTURES, OR PROVIDE TRUE-BRO LAV-GUARD(TM) SYSTEM.

ELECTRIC WATER HEATER SCHEDULE

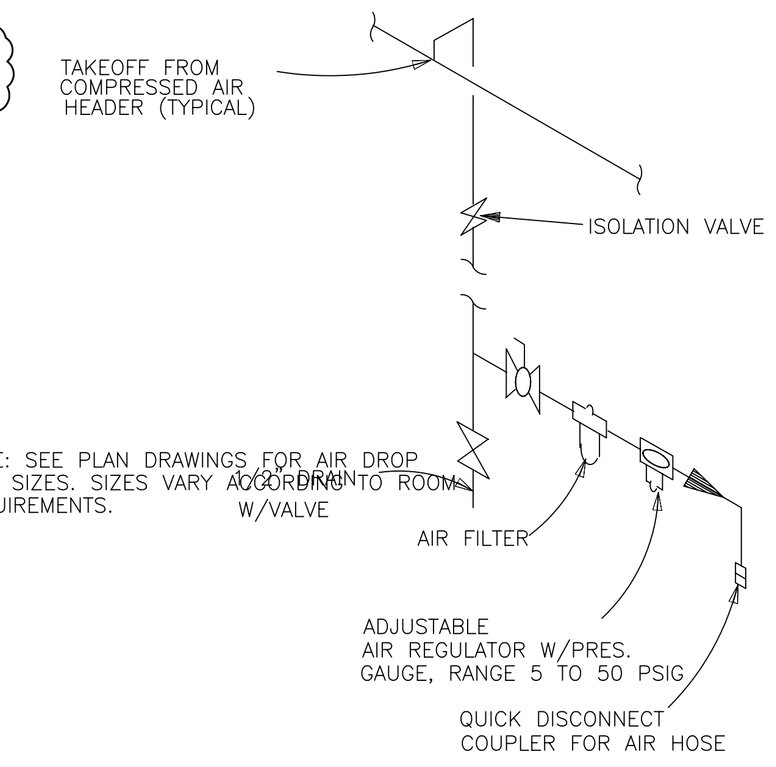
TAG	TYPE	CAP GAL	RECOVERY @ 90°F RISE	TOTAL KW	# OF ELEMENTS	ELEC VOLT/PH	LOCATION	REMARKS
WH-1	STORAGE	120	110 GPH	24.0	06	480/3	FIRST FLOOR	RHEEM ME105-24
WH-2	LOWBOY	10	20 GPH	3.0	01	208/1	SECOND FLOOR	RHEEM EGSP10
WH-3	INSTANT	--	INSTANT	3.0	01	208/1	BREAK AREA	EEMAX SP3208

STANDBY LOSSES FROM UNITS SHALL COMPLY WITH ASHRAE 90.1, CURRENT EDITION.
WH-1 SHALL HAVE MIN ENERGY FACTOR OF 0.93.

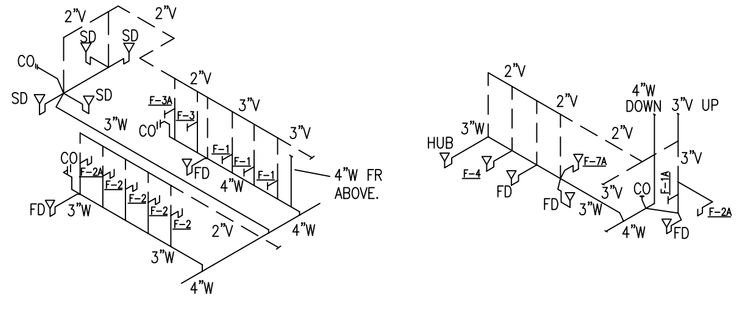
DAMIEN W. SERAUSKAS, P.E.
PROFESSIONAL ENGINEERING SERVICES
15 CYPRESS POINT LANE NEW ORLEANS, LA 70131
VOICE: (504)-866-2600 FAX: (504)-218-8480



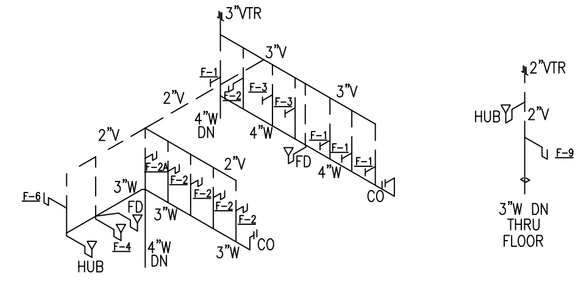
CLEANOUT TO GRADE — N.T.S. — 1 / P1.0



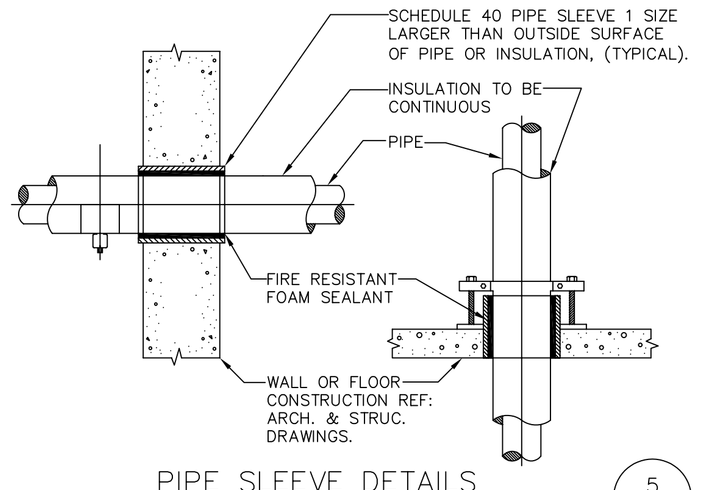
COMPRESSED AIR OUTLET DETAIL — N.T.S. — 2 / P1.0



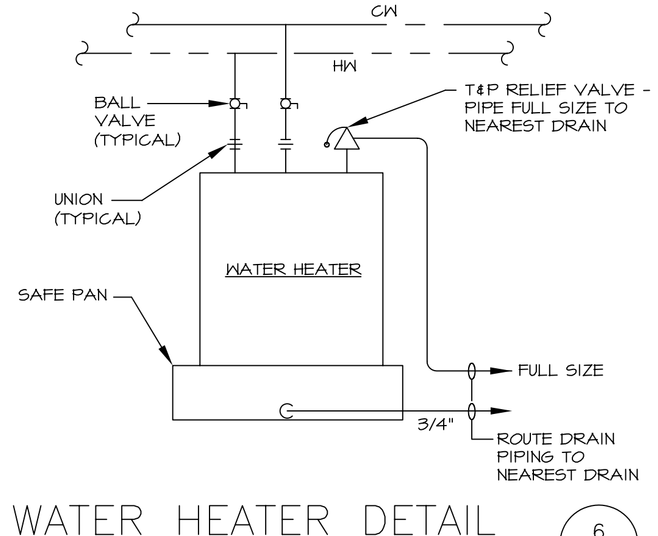
FIRST FLOOR RISER DIAGRAMS — N.T.S. — 3 / P1.0



SECOND FLOOR RISER DIAGRAMS — N.T.S. — 4 / P1.0



PIPE SLEEVE DETAILS — SCALE: NONE — 5 / P1.0



WATER HEATER DETAIL — N.T.S. — 6 / P1.0

REVDATE:	DRN	APPR
05/10/2010	DWS	DWS
06/10/2010		

RECORD DRAWING
AS-BUILT CONDITIONS SHOWN

DESCRIPTION

DAMMON ENGINEERING, INC.
CHIEF ENGINEER EMMETT DAMMON, P.E. CHIEF ARCHITECT ROBERT WILTSE
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SEPT 4, 2009

SEAL

REVIEWED BY: R. WILTSE
PM/DM: T. ARTRIP
CHIEF ENG/ARCH. P. DAMMON

NAVAL FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
PT. GULF COAST
MISSISSIPPI
JOHN C. STENNIS SPACE CENTER

SOF RIVERINE AND COMBATANT CRAFT OPERATIONS FACILITY - PRE-FINAL

PLUMBING LEGEND AND SCHEDULES

CODE ID. NO. N4412	SIZE D
SCALE:	AS SHOWN
MAXIMO NO.	######
STA. PROJ. NO.	P-210
WORK ORDER NO.	510247
CONSTR. CONTR. NO.	N62467-05-D-0096
NAVFAC DRAWING NO.	15026741
SHEET	94 OF 132

P1.0

DRAWFORM REVISION: 01 JAN 2009

REVDATE: FILE NAME: C:\Stennis Riverine Facility\Stennis Mechanical As-Built CAD.dwg LAYOUT NAME: P1.0 PLOTTED: Wednesday, June 09, 2010 - 6:17pm