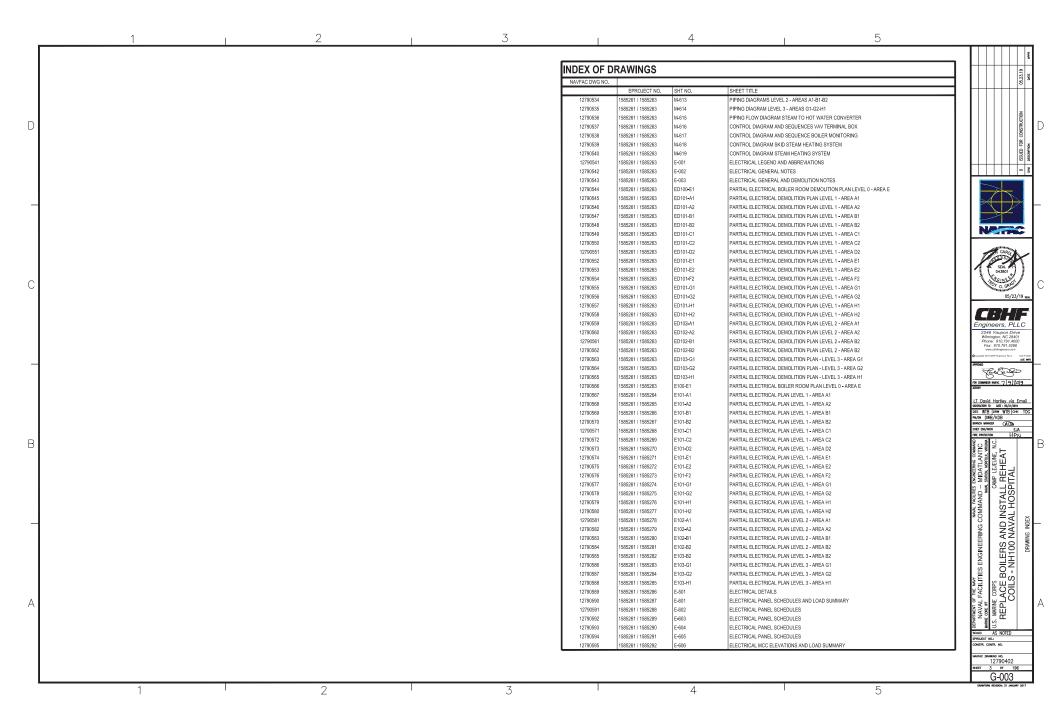


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AREAS A1-A2-B2 12790466 12790533 G-002

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.3 4 5 MECHANICAL PIPE SYMBOLS MECHANICAL DUCTWORK LEGEND MECHANICAL GENERAL NOTES: MECHANICAL ABBREVIATIONS 3-WAY CONTROL VALVE BALANCING DAMPER ALL MECHANICAL WORK SHALL BE IN STRICT COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND BBREVIATION TERM 2-WAY CONTROL VALVE LOCAL CODES AND STANDARDS ADJUSTARI CEILING RETURN OR AIR MOVEMENT AND CONTROL ASSOCIATION M BALL VALVE AMCA ALL DIMENSIONS AND ELEVATIONS FOR NEW EQUIPMENT, DUCTWORK, PIPING AND APPARATUS ARE TRANSFER REGISTER/GRILLES $\overline{\bowtie}$ BLOCK VALVE / SHUTOFF VALVE APPROXIMATE AND ARE ONLY FOR CONTRACTOR'S GUIDANCE. CONTRACTOR SHALL SUBMIT DIMENSIONS AND ELEVATIONS VERIFIED IN THE FIELD. DUCTWORK AND PIPING INDICATED ON THE DRAWINGS, AMERICAN SOCIETY OF TESTING AND MATERIALS Ø. CALICE EXHAUST GRILLES CUBIC FEET PER MINUTE CFM SECTIONS AND PROSPECTIVE VIEWS ARE SHOWN DIAGRAMMATICALLY, DUCT AND PIPE FLEVATIONS IN Γ σ PUMP EXACT LOCATIONS SHALL BE DETERMINED BY THE INSTALLING CONTRACTOR AND DETAILED ON THE CAST IN PLACE □ CEILING SUPPLY DIFFUSERS ANGLE VALVE CONCRETE MASONRY UNI SHOP DRAWINGS. COEFFICIENT OF PERFORMANCE DRAIN Ę CONICAL TEE ALL DUCT DIMENSIONS INDICATED ON PLAN ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR MUST DRY BULB M CHECK VALVE → FD ACCOUNT FOR THE THICKNESS OF EXTERIOR INSULATION WHEN DETERMINING INSTALLATION. HORIZONTAL FIRE DAMPER DEGREE GLOBE VALVE CLEARANCES. —**4** FD VERTICAL FIRE DAMPER FYHALIST AIR 0 % FLOW TRANSMITTER THE CONTRACTOR SHALL TEMPORARILY COVER ALL EXPOSED DUCT AND PIPE OPENINGS WITH A EXHAUST GRILLE ——⊲ SD VERTICAL SMOKE DAMPER STEAM TRAP NON-COMBUSTIBLE MATERIAL, AND SEAL THEM AIR TIGHT TO PREVENT CONTAMINATION OF THE ENTERING AIR TEMPERATUR — F/SD VERTICAL FIRE/SMOKE DAMPER RPZ RP7 RESPECTIVE SYSTEMS DURING CONSTRUCTION. ELECTRONICALLY COMMUTATED MOTOR FLEXIBLE DUCT CONNECTION NORMALLY CLOSED ENERGY EFFICIENCY RATIO CONTRACTOR SHALL REMOVE AND DISPOSE OF OFFSITE ALL DEMOLISHED WORK IN ACCEPTABLE AND EXTERNAL STATIC PRESSURE BOILER BLOWDOWN VALVE (SUPPLIED WITH BOILER) **₽** DECLINED DROP WITH RESPECT TO AIRFLOW SAFE MANNER AND SHALL KEEP ALL NON-WORK AREAS CLEAN AND SAFE. DROP RISE ŧŪ BOILER STOP CHECK VALVE ALL EXISTING EQUIPMENT AND CONNECTIONS THAT NEED TO BE TEMPORARILY DEMOLISHED FOR FAHRENHEI' INCLINED RISE WITH RESPECT TO AIRFLOW 2 FLANGED BUTTERFLY VALVE RIGGING AND / OR INSTALLATION SHALL BE REINSTALLED AND BROUGHT BACK TO ORIGINAL FULL LOAD AMPS CONDITIONS PRIOR TO TEMPORARY REMOVAL. \circ FLANGE ø INDICATES ROUND DUCTWORK HOT WATER COIL FLOW MEASURING ORIFICE INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE $\overline{\Delta}$ MITERED ELBOW WITH TURNING VANES ST OR H HEIGHT NOTE: ALL ITEMS MAY NOT BE USED IN PROJECT HORSEPOWER EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL. M MOTORIZED CONTROL DAMPER HOUR(S) MECHANICAL LEGEND Œ INCH RADIUS ELBOW -WG INCHES WATER GAUGE (T) TEMPERATURE SENSOR SUPPLY DUCT TURNING UP (ROUND OR RECTANGULAR) KILOWAT LEAVING AIR TEMPERATURE (H) TEMPERATURE/HUMIDITY SENSOR POUNDS RETURN DUCT TURNING UP (ROUND OR RECTANGULAR) MECHANICAL DEMOLITION NOTES DUCT SMOKE DETECTOR (1) MAXIMUM EXHAUST DUCT TURNING UP ngineers, PLLC 1000 BTUH THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION INDICATES TO DEMOLISH MINIMUM CIRCUIT AMPACITY 2246 Yaupon Drive OUTSIDE AIR DUCT TURNING UP (ROUND OR RECTANGULAR) REQUIREMENTS AND LAYOUT HIS WORK IN A COMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL EQUIPMENT, DUCTWORK, SUPPORTS, CONTROLS, ACCESSORIES, ETC..., AND MECHANICAL ITEMS MADE OBSOLETE BY THESE ALTERATIONS AS SHOWN IN THE MECHANICAL DRAWINGS. ALL ITEMS TO CWB MEAN COINCIDENT WET BULB GM GAS METER MINIMIIM BE REMOVED OR MODIFIED MAY NOT BE SHOWN. HOWEVER, THIS CONTRACTOR SHALL REMOVE ANY MAXIMUM OVER CURRENT PROTECTION ıÐι GAS SHUTOFF VALVE MECHANICAL WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE GOVERNMENT NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION **IEMA** CONTRACTING OFFICER. SURVEY THE AFFECTED AREAS BEFORE SUBMITTING A BID. TENE PO EXTENT OF DEMOLITION OUNCE SCHEDULING OF DEMOLITION - COORDINATE SCHEDULING OF MECHANICAL DEMOLITION WORK WITH OUTSIDE AIR • MAK 7 9 2019 EXHAUST DUCT TURNING DOWN (ROUND OR RECTANGULAR) THE CONTRACTING OFFICER SO AS TO MINIMIZE DISRUPTION OF THE GOVERNMENT'S USE OF THE FACILITIES AND MAINTAIN THE CONSTRUCTION SEQUENCE. SEE DRAWINGS AND SPECIFICATIONS FOR PERCENT DIFFUSER/ REGISTER/ GRILLE NO. AS RETURN AIR OUTSIDE AIR DUCT TURNING DOWN (ROUND OR RECTANGULAR) ADDITIONAL INSTRUCTIONS CONCERNING PHASING AND SEQUENCE OF WORK T David Hartley via Email RETURN GRILL SKISSACIONY TO BATE : bs/27/22+1/ DES RWC DRW RWC CHK TOG REVOLUTIONS PER MINUT SG RG TG FG DEMOLISHED MATERIALS - UNLESS SPECIFICALLY REQUESTED BY THE GOVERNMENT, ALL ROOF TOP UNIT AIRFLOW CEM 10X10 SQUARE OR RECTANGULAR DUCTWORK DEMOLISHED MECHANICAL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND Alb SLIPPLY AIR NOTE: ALL ITEMS MAY NOT BE USED IN PROJECT VOLUME DAMPER SQUARE-FEET CUTTING AND PATCHING - PERFORM CUTTING AND PATCHING FOR MECHANICAL WORK SO AS TO В SUPPLY GRILLE В TAKEOFF WITH 45' THROAT MECHANICAL PIPE LEGEND EUNE, N TRANSFER GRILLE RETURN, EXHAUST OR TRANSFER AIR FLOW THESE DRAWINGS ARE COMPILED BY THE ENGINEER FROM THE GOVERNMENT'S AS-BUILT RECORD **LENGINEERING COMMAND ~ MINDATU MINDATU CAMP THE SAND INSTALL REHE. VIH100 NAVAL HOSPITAL ARBERVINGS, GERRA, NOTES. HEATING HOT WATER SUPPLY DRAWINGS AND LIMITED FIELD VERIFICATION OF EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELLEVED TO BE CORRECT. NOTWITHSTANDING, THE CONTRACTOR SHALL VERIFY ALL DUCTWORK, EQUIPMENT LOCATIONS, DIMENSIONS AND ALL FIELD TYPICAL LINIT HEATER SUPPLY AIR FLOW HEATING HOT WATER RETURN /PH/HZ VOLT/PHASE/HERTZ CONDITIONS AFFECTING HIS WORK VENT THROUGH ROOF DUCT CROSSING HIGH PRESSURE STEAM WHERE MECHANICAL SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS RECTANGULAR DUCT TURNING DOWN OF THE PREMISES, THEY SHALL REMAIN OR BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE CONTRACTING OFFICER IMMEDIATELY IF SUCH CONDITIONS ARE EXISTING HIGH PRESSURE STEAM WITH CHANGE OF DIRECTION NOTE: ALL ABBREVIATIONS MAY NOT BE USED IN PROJECT. ROUND DUCT TURNING DOWN LINCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK Æ HIGH PRESSURE CONDENSATE WITH CHANGE OF DIRECTION THE NAVY FACILITIES ENGINEERING PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAIN THEM IN OPERATION THROUGHOUT THE PROGRESS OF THE WORK. NOTIFY THE CONTRACTING OFFICER IN WRITING OF SHUTDOWNS ARE REQUIRED PRIOR TO ANY OUTAGE OF 抻 NE CORPS

**LACE BOILERS A

COILS - NH100 N

MECHANICAL ABREGATI

MECHANICAL ABBREGATI

MECHANICAL ABBREGATI EXISTING HIGH PRESSURE CONDENSATE TERMINATION OF DUCT WITH BRANCH CONNECTIONS. SERVICE, WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE BOTTOM BLOW DOWN RECTANGULAR TO ROUND DUCT TRANSITION COVERNMENT, PROVIDE TEMPORARY CONNECTIONS AS REQUIRED MAINTAINING SERVICE DDC SYSTEM INTEGRATION NOTE: CONTINUOUS BLOW DOWN SURVEY THE AFFECTED AREAS BEFORE STARTING DEMOLITION AS ALL EXISTING CONDITIONS CANNOT SUPPLY AIR DUCTWORK THE ENERGY MANAGEMENT AND CONTROL SYSTEM (EMCS) AT CAMP LEJEUNE BOILER FEED WATER RA RETURN AIR DUCTWORK IF ANY UNUSUAL STRUCTURAL OR ARCHITECTURAL CONDITIONS ARE ENCOUNTERED DURING IS BY JOHNSON CONTROLS, INC. (JCI) METASYS, INCLUDE ALL CONTROL POINTS, SEQUENCES, PROGRAMMING, AND GRAPHIC UPDATES FOR NEW AND EXISTING HVAC EQUIPMENT MODIFIED UNDER THIS PROJECT TO MATCH THE DEMOLITION, CONTACT THE CONTRACTING OFFICER FOR ASSISTANCE. EXISTING PUMPED CONDENSATE EXHAUST AIR DUCTWORK FA BUILDING STANDARD FOR A COMPLETE AND OPERABLE SYSTEM NATURAL GAS OA OUTSIDE AIR DUCTWORK MA MAKEUP AIR DUCTWORK EXISTING CHEMICAL FEED SUPPLY E: AS NOTED

SD

P

IDPTI

DUCT SMOKE DETECTOR

NOTE: ALL ITEMS MAY NOT BE USED IN PROJECT.

STATIC PRESSURE SENSOR

DIFFERENTIAL PRESSURE TRANSDUCER

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12790403

M-001

