TYPICAL P&ID FOR A MADDEN HC SERIES, HEAT RECOVERY SYSTEM PRESSURE RELIEF BLOWDOWN ISOLATION VALVE **BOILER 1** BOILER 2+... CONTINUOUS SURFACE BLOWDOWN CONTINUOUS SURFACE BLOWDOWN BTTM BD BTTM BD BLOWDOWN FLOW -CONTROL VALVE OR MADDEN ORIFICE METER PRESSURE -RELIEF VENTED FLASH STEAM D/A TANK FLASH STEAM TO D/A HC SERIES BLOWDOWN HEAT RECOVERY SYSTEM MAKE UP WATER TO D/A 0 110203 WARMED BOILER MAKE UP WATER - OUT 'YPICALLY + 3-15 DEG F. COLD BOILER MAKE UP WATER - IN TYPICALLY 60 TO 70 DEG F. BLOWDOWN WATER TO DRAIN **XX** BLOWDOWN WATER TO DRAIN < 140 deg F. Typically closer to 100-120 deg F FRESH MAKEUP WATER SUPPLY 1317 PRINCETON BLVD ELKHART, IN, 46516 info@maddenep.com | www.maddenep.com THIS DRAWING & SPECIFICATIONS ARE PROPERTY OF MADDEN ENGINEERED PRODUCTS, LLC AND MAY NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR PART, AS A BASIS FOR DESIGN MANUFACTURE OR SALE WITHOUT PRIOR PERMISSION FROM MADDEN ENGINEERED PRODUCTS, LLC.