Ø ROUND F Ø ROUND F A AIR F AB ABOVE BASE II ADU ADDENDUM II ADD ADDENDUM II ADD ADDENDUM II ADD ADDITIONAL II AFF ABOVE GROUND II ALJ ALTRENATE II ALT ALTERNATE II ALT ALTRENATE II ALV ALARM VALVE II ALT ALTRENATE III AUM AUMINUM III AP ACCESS PANEL IIIIII AUX AUXILLARY DRAIN M BF BLOW FINISHED FLOOR M BFV BUTTERFLY VALVE M BSMT BASEMENT M GCV CONSTANT FLOW CNTRL. VL. M CFCV CONTANT FLOW CNTRL. VL. M COMB COMBINATION M M COME COMMON INTELLIGEBELITY SYS. M CGC <td< th=""><th>ITG N NL NSUL NWG TC IT AB B.B/HR F OC P MAN MAN MAN MFR MISC MRA IIC IFPA IIC IFPA IIC IFPA IIC IFPA</th><th>GALLONS PER MINUTE HEAD HIGH PRESSURE HEATING INCH INLET INSULATION INCHES WATER GAUGE INSPECTOR TEST CONNECT JOINT LABORATORY POUND POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTION</th></td<>	ITG N NL NSUL NWG TC IT AB B.B/HR F OC P MAN MAN MAN MFR MISC MRA IIC IFPA IIC IFPA IIC IFPA IIC IFPA	GALLONS PER MINUTE HEAD HIGH PRESSURE HEATING INCH INLET INSULATION INCHES WATER GAUGE INSPECTOR TEST CONNECT JOINT LABORATORY POUND POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTION
/R ON ROOF A AB ABOVE BASE AB ABV ABOVE BASE AB ADD ADDENDUM I ADDL ADDENDUM I ADL ADTHORISHED FLOOR J AG ABOVE GROUND I AHJ AUTHORITY HAVING JURISDICTION I ALT ALTERNATE I ALV ALARM VALVE I ALV ALARM VALVE I AUTO AUTOMATIC M AUTO AUXILLARY DRAIN M BFF BELOW FINISHED FLOOR M BFV BUTTERFLY VALVE M BMT BASEMENT M CAP CAPACITY M CGC CONTANT FLOW CNTRL.VL. M CGM COMBINATION M COMB COMBINATION M CONC CONTR	I.P. ITG NU NSUL NWG TC IT AB B.B/HR .F .OC .P MAN MAN MAN MAN MISC MAN MISC MIN MISC MIN MISC MIN MISC MIN MISC MIN MISC MIN MISC MIN MISC MIN MISC MIN MISC MIN MISC MIN MISC MIN MIN MISC MIN MIN MIN MIN MIN MIN MIN MIN MIN MIN	HIGH PRESSURE HEATING INCH INLET INSULATION INCHES WATER GAUGE INSPECTOR TEST CONNECT JOINT LABORATORY POUND POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
A AIR ABV BASE ABV ABOVE BASE ABV ABOVE ACOUS ACOUSTICAL ADD ADDENDUM ADDL ADDITIONAL ADDL ADDITIONAL ADDL ADDITIONAL ADDL ADDITIONAL ADDL ADDITIONAL ALT ALTERNATE ALV ALARN VALVE ALAUM ALUMINUM ALVALVE ALUM ALUMINUM ADP ACCESS PANEL ALU ALARCH ARCHITECT/ARCHITECTURAL AUTO AUTOMATIC AUX AUXILLARY DRAIN ADT ACCESS PANEL AUTO AUTOMATIC AUX AUXILLARY DRAIN ADT ACCESS PANEL AUTO AUTOMATIC AUX AUXILLARY DRAIN ADT ACCESS PANEL ADT AUX AUXILLARY DRAIN ADT AUXILLARY ADT AUXILARY ADT AUXI	ITG N NSUL NSUL NWG TC IT AB B/HR .B B/HR .C C P MAN MAX MD MFR MISC MAN MISC MRA IIC IFPA IFPA IFPA IFPA IFPA IFPA	HEATING INCH INLET INSULATION INCHES WATER GAUGE INSPECTOR TEST CONNECT JOINT LABORATORY POUND POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
AB ABOVE BASE ABV ABOVE ABOVE ABOVE ABOVE ABOVE ABOVE ACOUSTICAL ADD ADDENDUM ADD ADDENDUM ADD ADDENDUM ADD ADDENDUM ADD ADDENDUM ALT ALTERNATE ALV ALARM VALVE ALARM VALVE ALARM VALVE ALARM VALVE ALARM ALTERNATE ALV ALARM VALVE ALARM ALTERNATE ALV ALARM VALVE ALARCH ARCHITECT/ARCHITECTURAL ACTO AUTOMATIC ACCESS PANEL ARCH ARCHITECT/ARCHITECTURAL AUTO AUTOMATIC ADV AUXILLARY DRAIN ABF BELOW FINISHED FLOOR ADV AUXILLARY DRAIN ABF BELOW FINISHED FLOOR ADV AUXILLARY DRAIN ADV AUXILLARY DRAIN ADV ADV AUXILLARY DRAIN ADV AUXILLARY AUXILLARY ADV AUXILLARY ADV AUXILLARY	N NL NSUL NWG TC T AB B.B/HR F OC P MAN MAN MAN MAN MAN MISC MAN MISC MAN MISC MIC IFPA IIC IFPA IIC IFPA	INCH INLET INSULATION INCHES WATER GAUGE INSPECTOR TEST CONNECT JOINT LABORATORY POUND POUND PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
ACOUS ACOUSTICAL ADD ADOUNCAL ACOUS ACOUSTICAL ADD ADDENDUM ADD ADDENDUM ADD ADDENDUM ADD ADDENDUM ADD ADDENDURS ABOVE GROUND ALT ALTERNATE ALV ALARM VALVE ALUM ALUMINUM AD ACCESS PANEL ALU ALARM VALVE ALUM AUMINUM AD ACCESS PANEL ALU ARCH ARCHITECT/ARCHITECTURAL AUTO AUTOMATIC AUX AUXILLARY DRAIN ADV AUXILLARY DRAIN ADV AUXILLARY DRAIN BFF BELOW FINISHED FLOOR ADV BUTTERFLY VALVE ADD AUX AUXILLARY DRAIN ADV AUXILLARY DRAIN ADV AUXILLARY DRAIN ADV AUXILLARY DRAIN AT AUXILLARY DRAIN ADV AUXILLARY AUXILLARY DRAIN ADV AUXILLARY DRAIN ADV AUXILLARY AUXILLARY ADV AUXIL ADV AUXILLARY A	NSUL NWG TC AB B.B/HR F.OC P. MAN MAN MAN MAN MAN MISC MAN MISC MAN MISC MIC MIC MIC MIC MIC MIC MIC MIC MIC MI	INSULATION INCHES WATER GAUGE INSPECTOR TEST CONNECT JOINT LABORATORY POUND POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
ADD ADDENDUM ADDENDUM ADD ADDENDUM ADDE ADDENDUM ADDENDUM ADDENDUM ADDENDUM ADDENDUR PORT ARE ABOVE FINISHED FLOOR AG ABOVE GROUND ALT ALTERNATE ALV ALARM VALVE ALARM VALVE ALARM VALVE ALUM ALUMINUM ADD ACCESS PANEL ARCH ARCHITECT/ARCHITECTURAL AUTO AUTOMATIC ANAUX AUXILLARY DRAIN BFF BELOW FINISHED FLOOR ADDENDUR AUX AUXILLARY DRAIN BFF BELOW FINISHED FLOOR ADDENDUR AUX AUXILLARY DRAIN BFF BELOW FINISHED FLOOR ADDENDUR AUX AUXILLARY DRAIN ADDENDUR AUXILLARY AUXILLARY AUXILLARY DRAIN ADDENDUR AUXILLARY AUXILLAR	NWG TC TA AB B/HR F OC P MA MAN MAN MAN MAN MAN MAN MAN MAN MISC MA MISC MRA IIC IFPA IFPA IFPA IFPA IFPA IFPA IFPA	INCHES WATER GAUGE INSPECTOR TEST CONNECT JOINT LABORATORY POUND POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
ADDL ADDITIONAL ADDITIONAL AFF ABOVE FINISHED FLOOR AG ABOVE GROUND ALT ALTERNATE ALV ALARM VALVE ALIM ALUMINUM ALT ALTERNATE ALV ALARM VALVE ALIM ALUMINUM ALARM VALVE ALIM ALUMINUM ADP ACCESS PANEL ACH ARCHITECTIARCHITECTURAL AUTO AUTOMATIC AUX AUXILLARY DRAIN ADTERLY VALVE ADDITERFLY ADDITERFL	TC TA AB B B/HR F OC P AA MAN MAN MAN MAN MAN MAN MAN MISC MRA MISC MRA MIC MRA MIC MRA MIC MRA MIC MRA MIC MRA MIC MRA MIC MRA MIC MIC MIC MIC MIC MIC MIC MIC MIC MIC	INSPECTOR TEST CONNECT JOINT LABORATORY POUND POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
AG ABOVE GROUND L AHJ AUTHORITY HAVING JURISDICTION ALT ALTERNATE L ALV ALARM VALVE L ARCH ARCHITECT/ARCHITECTURAL L ARCH ARCHITECT/ARCHITECTURAL L AUTO AUTOMATIC N AUTO AUTOMATIC N AUTO AUTOMATIC N AUTO AUTOMATIC N AUX AUXILLARY DRAIN N BFF BELOW FINISHED FLOOR N BFF BUTTERFLY VALVE N BST BASEMENT N BTWN BETWEEN N CAP CAPACITY N CFC CONSTANT FLOW CNTRL. VL. N CFM CUBIC FEET PER MINUTE CI CAST IRON N COME COMBINATION N COMB COMBINATION N COMB COMBINATION N CONC CONCRETE C CONT CONTINUE/CONTINUATION C COCORD COORDINATE F COR CONTRACTOR OFFICES REP. CTR CENTER C CONT CONTRACTOR OFFICES REP. FCTR CENTER F COR CONTRACTOR OFFICES REP. FCTR CENTER F COR DUBLE DETECTOR CK. ASSY. F DOA DETECTOR CHECK ASSY. F DOA DETECTOR CHECK ASSY. F DIA DIAMETER F DI DUCTILE IRON F DISCH DISCHARGE F DI DOMN D DWG DRAWING F EA EACH S C S EMERGENCY COMM. SYSTEM S C A EACH S C S E P EXANSION S S S S S S S DI DOME S STATION S S S S S S S S S S S S S S S S S S S	AB BB/HR F OC P MA MAN MAN MAN MAN MAN MIN MISC MRA IIC IFPA IIC IFPA IIC IFPA IIC IFPA	LABORATORY POUND POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
AHJ AUTHORITY HAVING JURISDICTION ALT ALTERNATE L ALV ALARM VALVE L ALV ALARM VALVE L ALUM ALUMINUM L AP ACCESS PANEL L ARCH ARCHITECT/ARCHITECTURAL L AUTO AUTOMATIC L AUTO CONSTANT FLOW CNTRL. VL. L CFC CONSTANT FLOW CNTRL. VL. L COMB COMBINATION L COME COMBINATION L COME COMBINATION L CONC CONCRETE L CONT CONTINUE/CONTINUATION C COORD COORDINATE L CONT CONTINUE/CONTINUATION C CONTRETER L DUFT LUBIC FEET F D CA DETECTOR CHECK ASSY. F DOTA DIAMETER D DUCTILE IRON F DUCTILE IRON SYSTEM E AH EXHAUST HOOD L C CS EMERGENCY COMM. SYSTEM E CAH EXHAUST HOOD L C CS EMERGENCY COMM. SYSTEM E C CHE DEPARTMENT VALVE E C D FIRE DAMPER L D D FIRE DAMPER L C D FIRE DAMPER L C D FIRE DAMPER L C D FIRE DAMPER L C D FIRE DAMPER L C D D FIRE DAMPER L C D D D C D C D C D D C D D C D D C D D C D D C D D D C D D C D D C D D D C D D D C D D D C D D D C D D D D C D D D D D D D D D D D D D	B B/HR F OC P MAN MAX MD MFR MISC MRA MISC MRA MISC MRA MISC MRA MIC MRA MIC MRA MIC MRA MIC MRA MIC MRA MIC MRA MIC MIC MIC MIC MIC MIC MIC MIC MIC MIC	POUND POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
ALT ALTERNATE LAUY ALARM VALVE LAUM ALUMINUM ALUMINUM ACCESS PANEL LAUM ALUMINUM LAWP ACCESS PANEL LAUTO AUTOMATIC AUTOMATIC AUTOMATIC AUX AUXILLARY DRAIN AUTOL AUTOMATIC AUX AUXILLARY DRAIN AUXILLARY A	B/HR F OC P AA AAN AAN AAN AAN AISC AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AIN AISC AIN AIN AIN AISC AIN AIN AIN AIN AIN AIN AIN AIN AIN AIN	POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
LLV ALARM VALVE L LLUM ALUMINUM L LRCH ARCHITECT/ARCHITECTURAL L LRCH ARCHITECT/ARCHITECTURAL L LWTO AUTOMATIC M LATA AUXILLARY DRAIN M LIVTO AUTOMATIC M LIVTO AUXILLARY DRAIN M LIVTO BELOW FINISHED FLOOR M SMT BASEMENT M SMT BASEMENT M SMT BETWEEN M SAP CAPACITY M SPC CONSTANT FLOW CNTRL. VL. M SPG CEILING M COL COLUMN M COMB COMBINATION M CONT CONTRACTOR OFFICES REP. M CONT CONTRACTOR OFFICES REP. F COA DEGREE F COA DEGREE F COA DEGREE F COA DOUGTILE IRON F DISCH DISCHARGE F <	B/HR F OC P AA AAN AAN AAN AAN AISC AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AIN AISC AIN AIN AIN AISC AIN AIN AIN AIN AIN AIN AIN AIN AIN AIN	POUNDS PER HOUR LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
ALUM ALUMINUM L ARCH ACCESS PANEL L ARCH ARCHITECT/ARCHITECTURAL L UATO AUTOMATIC M UAX AUXILLARY DRAIN M IFF BELOW FINISHED FLOOR M IFV BUTTERFLY VALVE M SMT BASEMENT M SAP CAPACITY M CAP CAST IRON M COMSTANT FLOW CNTRL. VL. M CONSTANT FLOW CNTRL. VL. M CONTACONTINUATION M CONC CONCRETE M CONT CONTINUE/CONTINUATION M CONDE CONDINATE M CONT CONTINUE/CONTINUATION M CONT CONTINUE/CONTINUATION M CONT CONTINUE/CONTINUATION M COA DETECTOR CHECK ASSY. M CA DETECTOR CHECK ASSY.	F OC P MA MAN MAN MAN MAN MISC MISC MISC MISC MISC MISC MISC MISC	LINEAL FOOT LOCATION LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
ARCH ARCHITECT/ARCHITECTURAL LUTO AUTOMATIC AUTOMATIC AUTOMATIC AUXILLARY DRAIN AUXILLARY AUXILLARY DRAIN AUXILLARY AUXILLARY	P AA AAN AAX AD AFR AIN AISC AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AIN AIN AIN AIN AIN AIN AIN AIN AIN	LOW PRESSURE MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
AUTO AUTOMATIC AUX AUXILLARY DRAIN AUX AUXILLARY DRAIN AUXILLARY DRAIN AUXILLARY DRAIN AUXILLARY DRAIN AUXILLARY DRAIN AUXILLARY DRAIN AUXILLARY DRAIN AUXILLARY DRAIN SFF BELOW FINISHED FLOOR AUXILLARY DRAIN STATE SEC CAPACITY CAPACITY CONSTANT FLOW CNTRL. VL. AUXILLARY CONSTANT FLOW CNTRL. VL. AUXILLARY CONTRACTOR OFFICES REP. CONT CONTINUE/CONTINUATION COORD COORDINATE CONTRACTOR OFFICES REP. FOR CONT CONTRACTOR OFFICES REP. FOR CONT CONTRACTOR OFFICES REP. FOR CONT CONTRACTOR OFFICES REP. FOR CONTRACTOR OFFICES REP. FOR FOR DEGREE FOR FOR DAMPER FON DOWN DOWN DOWN DOWN COND CODE FOR FIRE DAMPER FON FON FIRE DAMPER FON FON FIRE DAMPER FON FON FIRE DAMPER FON FON FIRE DAMPER FON FON FIRE DAMPER FON FON FIRE DAMPER FON FON FON FON FON FON FON FON	AA AAN AAX AD AFR AIN AISC ARA IIC IFPA ITS DPNG PD PIV	MIXED AIR MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
AUX AUXILLARY DRAIN SFF BELOW FINISHED FLOOR SFV BUTTERFLY VALVE SMT BASEMENT STWN BETWEEN AP CAPACITY CONSTANT FLOW CNTRL. VL. CONSTANT FLOW CNTRL. VL. COMBINATION CONC CONCRETE CONT CONTINUE/CONTINUATION COORD COORDINATE CONT CONTINUE/CONTINUATION COORD COORDINATE CONT CONTINUE/CONTINUATION COORD COORDINATE CONT CONTRACTOR OFFICES REP. FTR CENTER CONT CUBIC FEET D' DEGREE COA DETECTOR CHECK ASSY. DA DIAMETER D DUCTILE IRON DUCTILE IRON DUCTILE IRON DOWN FND DOWN FND DOWN FND COA DAMPER DD DOWN FND COME COMBER CA EACH CS EMERGENCY COMM. SYSTEM CA EACH CS EMERGENCY COMM. SYSTEM CA EACH CS EMERGENCY COMM. SYSTEM CA EACH CS EXTERNAL STATIC PRESSURE CS EMERGENCY COMM. SYSTEM CA EACH CS EXTERNAL STATIC PRESSURE CS EXTERNAL	AAN AAX AD AFR AIN AISC AIN AISC AIN AISC AIN AISC AIN AISC AIN AIN AIN AIN AIN AIN AIN AIN AIN AIN	MANUAL MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
SFF BELOW FINISHED FLOOR SFV BUTTERFLY VALVE SMT BASEMENT ASSEMENT STWN BETWEEN CAP CAPACITY CAP CAPACITY CAP CAPACITY CFCV CONSTANT FLOW CNTRL. VL. CFCV CONSTANT FLOW CNTRL. VL. COME COLUMN COLOC COLUMN COME CONCRETE CONT CONTINUE/CONTINUATION COORD COORDINATE CONT CONTINUE/CONTINUATION COORD COORDINATE CONT CONTRACTOR OFFICES REP. CONT DEGREE COND DUCTILE IRON DUCTILE IRON DUCTILE IRON DUCTILE IRON DUCTILE IRON DUCTILE IRON DUCTILE IRON DUCTILE IRON DUCTILE IRON DUCTILE IRON DOWN CA EACH CCS EMERGENCY COMM. SYSTEM CA EACH CCS EMERGENCY COMM. SYSTEM CA EACH CCS EMERGENCY COMM. SYSTEM CA EACH CCS EMERGENCY COMM. SYSTEM CA EACH CCS EMERGENCY COMM. SYSTEM CCS EMERGENCY COMM. SYSTE	AAX AD AFR AIN AISC ARA IIC IFPA IFPA ITS D PNG PD PIV	MAXIMUM MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
IV BUTTERFLY VALVE ISMT BASEMENT ISMT BASEMENT ISTWN BETWEEN ISTWN BETWEEN SAP CAPACITY SPCV CONSTANT FLOW CNTRL.VL. ISC CONSTANT FLOW CNTRL.VL. ISC CONSTANT FLOW CNTRL.VL. ISC CONSTANT FLOW CNTRL.VL. ISS COMMON INTELLIGEBELITY SYS. ISG COLUMN COL COLUMN CONC CONCRETE CONT CONT CONTINUE/CONTINUATION CO COORD COORDINATE F CONT CONTINUE/CONTINUATION CO COORD COORDINATE F CONT CONTRACTOR OFFICES REP. F COCA DETECTOR CHECK ASSY. DCA DETECTOR CHECK ASSY. OCDA DUUCTILE IRON DIAMETER F DIA DUAMETER DIA DAMPER N DOWN WG DARWING SA EACH CS EMERGENCY COMM. SYSTEM CAH EXPANSION JOINT	AD AFR AIN AISC ARA AIC AFPA AFPA AFPA AFPA AFPA AFPA AFPA AFP	MOTORIZED DAMPER MANUFACTURER MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
STWN BETWEEN APP CAPACITY CONSTANT FLOW CNTRL.VL. APP CAPACITY CONSTANT FLOW CNTRL.VL. APP CAPACITY CONSTANT FLOW CNTRL.VL. APP CAPACITY CONSTANT FLOW CNTRLIGEBELITY SYS. APP CAPACITY CONSTANTION APP CAPACITY CONTINUE/CONTINUATION CONC CONCRETE APP CONT CONTINUE/CONTINUATION APP CONT CONTRACTOR OFFICES REP. APP CONT CONTRACTOR OFFICES REP. APP CONT CONTRACTOR OFFICES REP. APP CONTRACTOR CHASSY. APP CONTRACTOR OFFICES REP. APP CONTRACTOR CHASSY. APP CONTRACTOR	AIN AISC ARA IIC IFPA IFPA ITS D PNG PD PIV	MINIMUM MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
CAP CAPACITY CAPACITY CAP CAPACITY N CFCV CONSTANT FLOW CNTRL. VL. N CM CUBIC FEET PER MINUTE N CAST IRON N N CAST IRON N N CAST IRON N N COM COMMON INTELLIGEBELITY SYS. N COM COLUMN N COME CONTRACTOR OFFICES REP. N CONT CONTINUE/CONTINUATION CO COORD COORD COORDINATE F F COR CONTRACTOR OFFICES REP. F COLA DEGREE F COA DETECTOR CHECK ASSY. F COA DUCTILE IRON F DIA DUATILE IRON F DIA DUARETER F DIA DAMPER F DIA DUARDER F DIA DAMPER F DIA DAMPER F DIA DAMPER F DIA DAMPER F DIA	AISC ARA IIC IFPA IFPA ITS DPNG PD PIV	MISCELLANEOUS MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
FCV CONSTANT FLOW CNTRL. VL. FM CUBIC FEET PER MINUTE CAST IRON N IS COMMON INTELLIGEBELITY SYS. FEG CEILING OOL COLUMN OMB COMBINATION OONC CONCRETE OONT CONTRACTOR OFFICES REP. FR CENTER OORD COORDINATE OOR CONTRACTOR OFFICES REP. F CA DETECTOR CHECK ASSY. CA DETECTOR CHECK ASSY. CDA DOUBLE DETECTOR CK. ASSY. IA DIAMETER IV DUCTILE IRON ISCH DISCHARGE MPR DAMPER N DOWN WG DRAWING A EACH CS EMERGENCY COMM. SYSTEM AH EXHAUST HOOD XPJT EXPANSION SP EXTERNAL STATIC PRESSURE SP EXTERNAL STATIC PRESSURE SP EXTERNAL STATIC PRESSURE SP EXTERNAL STATIC PRESSURE SP DEGREES FAHRENH	Ara NC NFPA NP NTS D DPNG PD NV	MOST HYDRAULICALY DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
FM CUBIC FEET PER MINUTE CAST IRON N CS COMMON INTELLIGEBELITY SYS. VEG CEILING COL COLUMN COMB COMBINATION CONC CONCRETE CONT CONTINUE/CONTINUATION COORD COORDINATE COR CONTRACTOR OFFICES REP. CA DETECTOR OFFICES REP. CA DETECTOR CHECK ASSY. VCDA DOUBLE DETECTOR CK. ASSY. VA DAMETER VA DAMETER VA DAMETER VA DAMETER VA DAMPER VA DAMPER VA DAMPER VB DUCTILE IRON VB DAMPER VA DAMPER VA EACH CS EMERGENCY COMM. SYSTEM A EACH CS EMERGENCY COMM. SYSTEM AH EXHAUST HOOD X EXISTING XPJT EXPANSION JOINT SP EXTERNAL STATIC PRESSURE <td>NIC NFPA NP NTS DPNG PD NV</td> <td>DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO</td>	NIC NFPA NP NTS DPNG PD NV	DEMANDING AREA NOT IN CONTRACT NATIONAL FIRE PROTECTIO
COMMON INTELLIGEBELITY SYS. N CEG CEILING COL COLUMN N COMB COMBINATION N CONC CONCRETE CO CONT CONTINUE/CONTINUATION CO COR CONTRACTOR OFFICES REP. F COR CONTRACTOR OFFICES REP. F COR CONTRACTOR CHECK ASSY. F COA DETECTOR CHECK ASSY. F COA DETECTOR CHECK ASSY. F COA DETECTOR CHECK ASSY. F COA DUCTILE IRON F NDUCTILE IRON DUCTILE IRON F NDUCTILE IRON DUCTILE IRON F NDUWN F F VMG DRAWING F A EACH S CS EMERGENCY COMM. SYSTEM S AH EXHAUST HOOD S XPJT EXPANSION JOINT S SP EXTERNAL STATIC PRESSURE S D DEGREES FAHRENHEIT S D FIRE DAMPER F	NFPA NP NTS DPNG PD NV	NATIONAL FIRE PROTECTIO
EEG CEILING COL COLUMN N COMB COMBINATION N CONC CONCRETE CO CONT CONTINUE/CONTINUATION CO CORD COORDINATE F COR CONTRACTOR OFFICES REP. F CA DEGREE F CA DETECTOR CHECK ASSY. F CDA DOUBLE DETECTOR CK. ASSY. F IDA DIAMETER F ID DUCTILE IRON F IDSCH DISCHARGE F IMPR DAMPER F IN DOWN F VIG DRAWING A A EACH S CS EMERGENCY COMM. SYSTEM S AH EXHAUST HOOD S X EXISTING S XPJT EXPANSION JOINT S SP EXTERNAL STATIC PRESSURE S D FIRE DAMPER F DV FIRE DAMPER F DV FIRE DAMPER <	NFPA NP NTS DPNG PD NV	NATIONAL FIRE PROTECTIO
COL COLUMN A NAME AND A COMBINATION A COMBINATION A COMBINATION A COMBINATION A CONC CONCRETE A CONTINUE/CONTINUATION A CONC CONTRACTOR OFFICES REP. FOR CONTRACTOR OFFICES REP. FOR CONTRACTOR OFFICES REP. FOR DEGREE A DEGREE A DETECTOR CHECK ASSY. FOR DAMETER A DIAMETER A DOWN A D	NP NTS D DPNG PD NV	100001 TION
COMB COMBINATION CONC CONCRETE CONT CONTINUE/CONTINUATION COORD COORDINATE CONT CONTINUE/CONTINUATION COORD COORDINATE CONT CONTRACTOR OFFICES REP. FOR CONTRACTOR OFFICES REP. FOR CONTRACTOR OFFICES REP. FOR CONTRACTOR CHECK ASSY. FOR CONTRACTOR CONTRACTO	NTS D DPNG PD NV	
CONC CONCRETE CONTINUATION CONTINUE/CONTINUATION COORD COORDINATE FOR CONTRACTOR OFFICES REP. FOR CONTRACTOR OFFICES REP. FOR CONTRACTOR OFFICES REP. FOR CONTRACTOR OFFICES REP. FOR DEGREE FOR DEGREE FOR DUCTILE IRON FOR DUCTING FOR DUCTION FOR DUCTION FOR DUCTING FOR DUCTION FOR DUCTION FOR DUCTING FOR DUCTION FOR))PNG ?D ?IV	NOT POTABLE NOT TO SCALE
ONT CONTINUE/CONTINUATION OORD COORDINATE OR CONTRACTOR OFFICES REP. TR CENTER UFT CUBIC FEET /* DEGREE CA DETECTOR CHECK ASSY. IA DIAMETER I DUCTILE IRON ISCH DISCHARGE MPR DAMPER N DOWN WG DRAWING A EACH CS EMERGENCY COMM. SYSTEM AH EXHAUST HOOD X EXISTING XP EXPANSION JOINT SP EXTERNAL STATIC PRESSURE * DEGREES FAHRENHEIT D FIRE DAMPER NDV FIRE DEPARTMENT VALVE HR FIRE HOSE STATION HV FIRE HOSE STATION HV FIRE HOSE STATION HV FIRE HOSE VALVE PI FINS PER INCH LEX FLEXIBLE LG FLANGE T FOOTI/FEET TG FOOTING UT FUTURE AL GALLON ALV GALVANIZED EQUIPMENT ABBER DDAMESTIC WATER BOOST PUMP FDCA DETECTOR CHECK ASSY. FHR FIRE HOSE STATION FAL GALLON ALV GALVANIZED FIRE ALARM FPU FIRE PUMP FDC FIRE DEPARTMENT CONTROL FIRE ALARM FPU FIRE PUMP FDC FIRE DEPARTMENT CONTROL FIRE ALARM	opng Pd Piv	OXYGEN
COR CONTRACTOR OFFICES REP. F TR CENTER F CUFT CUBIC FEET F CA DETECTOR CHECK ASSY. F CDA DOUBLE DETECTOR CK. ASSY. F IA DIAMETER F I DUCTILE IRON F ISCH DISCHARGE F MPR DAMPER F N DOWN F WG DRAWING A EACH CS EMERGENCY COMM. SYSTEM A A EACH CS EMERGENCY COMM. SYSTEM A A EACH CS EMERGENCY COMM. SYSTEM C AH EXHAUST HOOD C X EXISTING C XP EXPANSION JOINT S SP EXTERNAL STATIC PRESSURE C DEGREES FAHRENHEIT C D FIRE DAMPER C DV FIRE DEPARTMENT VALVE C HR FIRE HOSE STATION C HV FIRE HOSE STATION C HV FIRE HOSE VALVE C FIRE ALARGE C T FOOT/FEET C TG FOOTING C UT FUTURE C CAL GALLON C CAL DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION C FAL GALLON C CAL DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION C FAR FIRE HOSE STATION C CAL DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION C FAR FIRE HOSE STATION C FAR FIRE HOSE STATION C FAR FIRE HOSE STATION C CAL DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION C FAR FIRE ALARM C FOC FIRE DEPARTMENT CONTROL F FIRE ALARM C FOC FIRE DEPARTMENT CONTROL F FIRE ALARM C FOC FIRE DEPARTMENT CONTROL F FAR FIRE ALARM C FOR FIRE ALARM C	PIV	OPENING
CTR CENTER F CUFT CUBIC FEET F OP DEGREE F OCA DOUBLE DETECTOR CK. ASSY. F DA DIAMETER F DIA DUCTILE IRON F DISCH DISCHARGE F DMPR DAMPER F DN DOWN F DWG DRAWING F A EACH F CS EMERGENCY COMM. SYSTEM F CA EXTERNAL STATIC PRESSURE F DEGREES FAHRENHEIT F F D FIRE DAMPER F DV FIRE HOSE STATION F LEX FLEXIBLE F	VIV P	PRESSURE DROP
CUFT CUBIC FEET F D' DEGREE F DCA DETECTOR CHECK ASSY. F DCDA DOUBLE DETECTOR CK. ASSY. F DIA DIAMETER F DI DUCTILE IRON F DISCH DISCHARGE F DMPR DAMPER F DN DOWN F DOWN S CS EMERGENCY COMM. SYSTEM F CS EMERGENCY CMERGENCY CMECK ASSY. F CS EMERGENCY CMECK ASSY. F CS FIRE ALARM N SALV GALVANIZED F CS FIRE ALARM N SALV FIRE PUMP F CS FIRE ALARM N FOU FIRE PUMP F CS FIRE ALARM N FOU FIRE PUMP F CS FIRE ALARM N SALV FIRE PUMP F CS FIRE ALARM N SALV SITEMENT CONTROL F CS EMERGENCY CMECK ASSY. F CS FIRE ALARM N SALV SITEMENT CONTROL F CS SITEMENT CONTROL F		POST INDICATOR VALVE
0° DEGREE F DCA DETECTOR CHECK ASSY. F DCDA DUBLE DETECTOR CK. ASSY. F DIA DIAMETER F DI DUCTILE IRON F DISCH DISCHARGE F DMPR DAMPER F DWG DRAWING F CS EMERGENCY COMM. SYSTEM F CA EACH F CS EMERGENCY COMM. SYSTEM F CA EACH F CS EMERGENCY COMM. SYSTEM F CA EACH F CS EMERGENCY COMM. SYSTEM F CA EXISTING F CS EMERGENCY COMM. SYSTEM F CA EXISTING F CSP EXPANSION F CSP EXPANSION JOINT F CSP EXPANSION JOINT F CD FIRE DAMPER F DV FIRE DAMPER F DV FIRE HOSE STATION F HV		PRELIMINARY
DOCDA DOUBLE DETECTOR CK. ASSY. F DIA DIAMETER F DI DUCTILE IRON F DISCH DISCHARGE F DIMPR DAMPER F DN DOWN F DWG DRAWING F CS EMERGENCY COMM. SYSTEM S CAH EXHAUST HOOD S X EXISTING S CX EXISTING S CXP EXPANSION S CXP EXPANSION JOINT S SP EXTERNAL STATIC PRESSURE S DEGREES FAHRENHEIT S S DEGREES FAHRENHEIT S S DV FIRE DAMPER S DV FIRE HOSE STATION S HR FIRE HOSE STATION S HV FIRE HOSE VALVE T FILEX FLEXIBLE T GEG FLANGE T S GAL GALLON S GAL GALLON S DCA DETECT		PRESSURE
DIA DIAMETER DU CILLE IRON DUCTILE IRON DUCTILE IRON DISCH DISCHARGE DISCHARGE DISCHARGE DISCHARGE DISCHARGE DUN DOWN DOWN DOWN DOWN DOWN DOWN CA EACH CS EMERGENCY COMM. SYSTEM CA EACH CS EMERGENCY COMM. SYSTEM CA EXISTING CA EXISTING CA DEGREES FAHRENHEIT DISP EXTERNAL STATIC PRESSURE DISP EXTERNAL STATION DIST SPE EXTERNAL STATION DISP DOMESTIC WATER BOOST PUMP FOCA DETECTOR CHECK ASSY. FOR FIRE FIRE HOSE STATION DISP DOMESTIC WATER BOOST PUMP FOCA DOUBLE DETECTOR CHECK ASSY. FOR FIRE FIRE HOSE STATION DISP DISP DOMESTIC WATER BOOST PUMP FOCA DUBLE DETECTOR CHECK ASSY. FOR FIRE FIRE HOSE STATION DISP FOR FIRE PUMP DISP DISP DOMESTIC WATER BOOST PUMP FOCA DUBLE DETECTOR CHECK ASSY. FOR FIRE FIRE HOSE STATION DISP FOR FIRE PUMP DISP DISP DISP DISP DISP DISP DISP DIS	PRIM	PRIMARY
DI DUCTILE IRON F DISCH DISCHARGE F DMPR DAMPER F DMPR DAMPER F DM DOWN F DWG DRAWING F A EACH S SEMERGENCY COMM. SYSTEM F A EACH S SEMERGENCY COMM. SYSTEM F A EACH S SEMERGENCY COMM. SYSTEM F S A EACH S S S EXTERNAL STATIC PRESSURE F DEGREES FAHRENHEIT F D FIRE DAMPER F DEGREES FAHRENHEIT F D FIRE DAMPER F DV FIRE DEPARTMENT VALVE F FIR FIRE HOSE STATION F FIRE FIRE HOSE VALVE F S S S C F FOOT/FEET F TG FOOTING C S D F DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION F FA. FIRE ALARM F FU FIRE DEPARTMENT CONTROL F FIRE ALARM F FU FIRE DEPARTMENT CONTROL F FIRE ALARM F FU FIRE PUMP F FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F FU FIRE PUMP F FDC FIRE DEPARTMENT CONTROL F	PRV	
DISCH DISCHARGE F DISCH DISCHARGE F DMPR DAMPER F DMPR DAMPER F DMPR DAMPER F DOWN F A EACH S CS EMERGENCY COMM. SYSTEM S AH EXHAUST HOOD S AH EXHAUST HOOD S AH EXHAUST HOOD S AH EXHAUST HOOD S CS EMERGENCY COMM. SYSTEM S CS EMERGENCY COMM. S CS EMERGENCY COM		LBS. PER SQ. IN. LBS. PER SQ. IN. GAUGE
WG DRAWING F A EACH S CS EMERGENCY COMM. SYSTEM S AH EXHAUST HOOD S X EXISTING S XP EXPANSION JOINT S SP EXTERNAL STATIC PRESSURE S D FIRE DAMPER S D FIRE DAMPER S DV FIRE DEPARTMENT VALVE S HR FIRE HOSE STATION S HV FIRE HOSE STATION S HV FIRE HOSE VALVE S PI FINS PER INCH S LEG FLANGE S T FOOT/FEET S GAL GALLON S SALV GALVANIZED S DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L FA. FIRE ALARM N FPU FIRE ALARM N FDC FIRE DEPARTMENT CONTROL F <		POTABLE WATER
WG DRAWING A EACH CS EMERGENCY COMM. SYSTEM AH EXHAUST HOOD X EXISTING XP EXPANSION JOINT SP EXTERNAL STATIC PRESSURE DEGREES FAHRENHEIT D FIRE DAMPER DV FIRE DEPARTMENT VALVE HR FIRE HOSE STATION HV FIRE HOSE VALVE PI FINS PER INCH LEX FLEXIBLE LG FLANGE T FOOT/FEET TG FOOTING UT FUTURE AL GALLON ALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION LEX FLEXIBLE LG GALLON ALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION LEX FLEXIBLE LG FLANGE DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION LEX FIRE ALARM FPU FIRE PUMP FDC FIRE DEPARTMENT CONTROL FIRE ALARM	REC	RECESSED
A EACH CS EMERGENCY COMM. SYSTEM AH EXHAUST HOOD X EXISTING XP EXPANSION JOINT SP EXTERNAL STATIC PRESSURE ^o DEGREES FAHRENHEIT D FIRE DAMPER DV FIRE DEPARTMENT VALVE HR FIRE HOSE STATION HV FIRE HOSE VALVE PI FINS PER INCH LEX FLEXIBLE LG FLANGE T FOOT/FEET TG FOOTING UT FUTURE GAL GALLON GALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION FA. FIRE ALARM FPU FIRE PUMP FDC FIRE DEPARTMENT CONTROL FIRE ALARM F FIRE ALARM	RED	REDUCER
CS EMERGENCY COMM. SYSTEM AH EXHAUST HOOD X EXISTING XP EXPANSION JOINT SP EXTERNAL STATIC PRESSURE DEGREES FAHRENHEIT D FIRE DAMPER DV FIRE DEPARTMENT VALVE HR FIRE HOSE STATION HV FIRE HOSE VALVE PI FINS PER INCH LEX FLEXIBLE LG FLANGE T FOOT/FEET TG FOOTING UT FUTURE GAL GALLON GALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION FA. FIRE ALARM FPU FIRE PUMP FDC FIRE DEPARTMENT CONTROL FIRE ALARM F I FIRE ALARM		REQUIRED SQUARE FOOT
AH EXHAUST HOOD X EXISTING XP EXPANSION JOINT SP EXTERNAL STATIC PRESSURE DEGREES FAHRENHEIT D FIRE DAMPER DV FIRE DEPARTMENT VALVE HR FIRE HOSE STATION HV FIRE HOSE VALVE PI FINS PER INCH LEX FLEXIBLE LG FLANGE T FOOT/FEET TG FOOTING UT FUTURE AL GALLON SALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION LEX FLEXIBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION F.A. FIRE ALARM FPU FIRE PUMP FDC FIRE DEPARTMENT CONTROL FIRE ALARM		SMOKE DAMPER
X EXISTING XP EXPANSION XPJT EXPANSION JOINT SP EXTERNAL STATIC PRESSURE DEGREES FAHRENHEIT D FIRE DAMPER DV FIRE DEPARTMENT VALVE HR FIRE HOSE STATION HV FIRE HOSE VALVE PI FINS PER INCH LEX FLEXIBLE LG FLANGE T FOOT/FEET TG FOOTING UT FUTURE SAL GALLON SALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION LEX FIRE ALARM FPU FIRE PUMP FDC FIRE DEPARTMENT CONTROL FIRE ALARM F I FIRE ALARM F	SIM	SIMILAR
XPJT EXPANSION SINT XPJT EXPANSION JOINT SI SP EXTERNAL STATIC PRESSURE SI SP DEGREES FAHRENHEIT SI D FIRE DAMPER SI DV FIRE DEPARTMENT VALVE SI HR FIRE HOSE STATION SI HV FIRE HOSE VALVE SI PI FINS PER INCH SI LEX FLEXIBLE SI LG FLANGE SI T FOOT/FEET SI TG FOOTING U UT FUTURE U SAL GALLON SALV GALV GALVANIZED SI DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L F.A. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM		SLEEVE
SP EXTERNAL STATIC PRESSURE SP EXTERNAL STATIC PRESSURE DEGREES FAHRENHEIT D FIRE DAMPER DV FIRE DEPARTMENT VALVE HR FIRE HOSE STATION HV FIRE HOSE VALVE PI FINS PER INCH LEX FLEXIBLE LG FLANGE T FOOT/FEET TG FOOTING UT FUTURE GAL GALLON GALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION FA. FIRE ALARM FPU FIRE PUMP FDC FIRE DEPARTMENT CONTROL FIRE ALARM F FIRE ALARM F F F F F F F F F F F F F F		STATIC PRESSURE STATIC PRESSURE STATION
DEGREES FAHRENHEIT DEGREES FAHRENHEIT DEGREES FAHRENHEIT DFIRE DAMPER DV FIRE DEPARTMENT VALVE HR FIRE HOSE STATION HV FIRE HOSE VALVE PI FINS PER INCH EX FLEXIBLE G FLANGE FOOT/FEET G FOOTING JT FUTURE AL GALLON ALV GALVANIZED DEP DOMESTIC WATER BOOST PUMP DCA DETECTOR CHECK ASSY. F DCA DOUBLE DETECTOR CHECK ASSY. F HR FIRE HOSE STATION FIRE ALARM PU FIRE PUMP DCA FIRE DEPARTMENT CONTROL FIRE ALARM F DCA DETECTOR CHECK ASSY. F		SQUARE
D FIRE DAMPER DV FIRE DEPARTMENT VALVE HR FIRE HOSE STATION HV FIRE HOSE VALVE PI FINS PER INCH LEX FLEXIBLE LG FLANGE T FOOT/FEET TG FOOTING JT FUTURE AL GALLON ALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP DCA DETECTOR CHECK ASSY. FOCA DOUBLE DETECTOR CHECK ASSY. FHR FIRE HOSE STATION EA. FIRE ALARM PU FIRE PUMP TCC FIRE DEPARTMENT CONTROL FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM FIRE ALARM		STAINLESS STEEL
HR FIRE HOSE STATION HV FIRE HOSE VALVE PI FINS PER INCH LEX FLEXIBLE LG FLANGE T FOOT/FEET TG FOOTING UT FUTURE GAL GALLON GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION FA. FIRE ALARM FPU FIRE PUMP FDC FIRE DEPARTMENT CONTROL FIRE ALARM F FIRE ALARM F		STANDARD
HV FIRE HOSE VALVE 1 PI FINS PER INCH 1 LEX FLEXIBLE 1 LG FLANGE 1 T FOOT/FEET 1 TG FOOTING U UT FUTURE U AL GALLON U ALV GALVANIZED N DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L FA. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM		THERMOSTAT
PI FINS PER INCH LEX FLEXIBLE LG FLANGE T FOOT/FEET TG FOOTING UT FUTURE GAL GALLON GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION FA. FIRE ALARM FPU FIRE PUMP FDC FIRE DEPARTMENT CONTROL FIRE ALARM F FIRE ALARM F FOC FIRE DEPARTMENT CONTROL	-	SYSTEM TEMP. CONTROL PANEL
EX FLEXIBLE I G FLANGE I F FOOT/FEET I G FOOTING U JT FUTURE U AL GALLON U ALV GALVANIZED I EQUIPMENT ABBR OBP DOMESTIC WATER BOOST PUMP F OCA DETECTOR CHECK ASSY. F DCA DOUBLE DETECTOR CHECK ASSY. F DCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION U F.A. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F	-	TEMPERATURE DROP
LG FLANGE T FOOT/FEET TG FOOTING UT FUTURE GAL GALLON GALVANIZED DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L F.A. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F	EMP	TEMPERATURE
TG FOOTING TG FOOTING UT FUTURE AL GALLON ALV GALVANIZED DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L FA. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F		TOTAL STATIC PRESSURE
UT FUTURE GAL GALLON GALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L F.A. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F		TYPICAL UNDER GROUND
AL GALLON ALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L FA. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F FIRE ALARM F		UNDER GROUND
ALV GALVANIZED EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L F.A. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F	JNO	UNLESS NOTED OTHERWISE
EQUIPMENT ABBR DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L F.A. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F		VALVE
DBP DOMESTIC WATER BOOST PUMP F DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L F.A. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F		210
DCA DETECTOR CHECK ASSY. F DDCA DOUBLE DETECTOR CHECK ASSY. F THR FIRE HOSE STATION L TA. FIRE ALARM N TPU FIRE PUMP I TDC FIRE DEPARTMENT CONTROL F FIRE ALARM F		
DDCA DOUBLE DETECTOR CHECK ASSY. F FHR FIRE HOSE STATION L F.A. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F	-	F.A. ACCESS PANEL F.A. MASS NOTIFICATION PI
FHR FIRE HOSE STATION L F.A. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM FIRE DEPARTMENT CONTROL FIRE ALARM F	-	F.A. MASS NOTIFICATION PI
F.A. FIRE ALARM N FPU FIRE PUMP I FDC FIRE DEPARTMENT CONTROL F FIRE ALARM F		LOCAL OPERATOR CONSOL
FDC FIRE DEPARTMENT CONTROL F	IRSV	NON-RISING STEM VALVE
	TC	INSPECTOR'S TEST
NEW	PNL	PANEL
	HASING	3
		(TYPICAL TAG FOR ALL TRUCTION)
	00119	
		RE ALARM EQUIPMENT
FOR	ALL EX	ISTING TAGS) (TYPICAL
(E)FACP		
		I EQUIPMENT FOR
		N (TYPICAL FOR ALL
		N TAGS)
(D)FACP	IOLITIO	
FIRE ALARM SHEE	IOLITIO	IOTE
	IOLITIO IOLITIOI	
ALL OF GENERAL NOTES ON THIS S ALL OTHER DRAWINGS IN THIS SET.	IOLITIOI IOLITIOI T SET N *	
SHOWN ON THIS SHEET MAY OR	IOLITIOI IOLITIOI T SET N * SHEET A	
CONTAINED REFEREN	IOLITIO IOLITIO T SET N * SHEET A SYMBO	LS AND ABBREVIATIONS

Γ	####	FIRE ALARM CONTROL	- PANEL
L	<i>""""</i>	FIRE ALARM PANEL TY	′PE
	CONTROL PANEI	LS ABBREVIATIONS:	
APM ACU BATT FMCP DACT FAA FACP FSCP GAP LCD LOC NAC PRE PRN MIC UPS EVAC	DIGITAL ALARM C FIRE ALARM ANNU FIRE ALARM CON FIRE SUPPRESSIC GRAPHIC ANNUNC LCD ANNUNCIATO LOCAL OPERATOR	T RM/MASS NOTIFICATION C OMMUNICATOR TRANSMI JNCIATOR TROL ON CONTROL CIATOR OR RS CONTROL RCUIT POWER BOOSTER TEM	
	F	FIRE ALARM ABORT S FIRE ALARM ABORT S TYPE	
	ABORT SWI	TCH ABBREVIATIONS:	
AS CO2 CA DL DC EPO F HL PRE WM WC	ABORT SWITCH CARBON DIOXIDE CLEAN AGENT DELUGE SPRINKI DRY CHEMICAL EMERGENCY POV FOAM HALON PREACTION SYST WATER MIST WET CHEMICAL	LER WER OFF	SYM
	F ###	FIRE ALARM PULL STATION FIRE ALARM PULL STATION TYPE	
	PULL STATI	ON ABBREVAITIONS:	V
CO2 CA DL DC F HL M P WM	CARBON DIOXIDE CLEAN AGENT DELUGE SPRINKL DRY CHEMICAL FOAM HALON MANUAL PULL STATAION WATER MIST		
WC	WET CHEMICAL		[.
			(A)
			<
SYMBOL		N INT HORN AND CLEAR STI	ROBE, 1
√15 ⊠	WALL MOUNT	THORN AND CLEAR STRC)BE, 15 (
15	CEILING MOU	INT CLEAR STROBE, 15 CA	ANDELA
15 2	WALL MOUNT	Γ CLEAR STROBE, 15 CAN	DELA U

FIRE ALARM DEVICES

	GENERAL SYMBOLS					
NEL	REVISION NUMBER SHOWN ON PLANS					
	POINT WHERE NEW CONNECTS TO EXISTING DEMOLISH TO POINT INDICATED					
	NUMBER OF DETAIL ON SHEET					
rrol R	FX001 APPEARS $\langle 1 \rangle$ KEYNOTE					
	SPACE TAG:					
	OFFICE SPACE NAME					
	ITEM TO BE DEMOLISHED					
	AREA NOT IN CONTRACT					
СН	FIRE ALARM DEVICE MOUNTING NOTE					
СН	WALL MOUNTED VISUAL DEVICES TO BE LOCATED SUCH THAT THE ENTIRE LENS OF THE STROBE IS BETWEEN 80" AND 96" AFF. ALL WALL MOUNTED NOTIFICATION DEVICES SHALL BE MOUNTED AT THE SAME HEIGHT AFF TO ACHIEVE A UNIFORM APPEARANCE OR AS DIRECTED BY THE A/E. WATTAGE AND CANDELA ARE GUIDELINES. CONTRACTOR RESPONSIBLE FOR FINAL SPACING AND TOTAL DEVICE POWER.					
SYMBO	SPOT-TYPE SMOKE DETECTOR (P-PHOTO, I-IONIZATION,					
(s) s	DUCT SMOKE DETECTOR (S-SUPPLY, R-RETURN)					
$\langle \mathbf{I} \rangle$	HEAT DETECTOR (RATE OF RISE)					
F	MANUAL PULL STATION (48" AFF UNLESS NOTED OTHERWISE)					
WF	WATER FLOW SWITCH					
VS	VALVE SUPERVISORY (TAMPER) SWITCH					
DH	DOOR HOLD OPEN MODULE. PROVIDE FIRE ALARM LISTED HOLD-OPEN ASSEMBLY IF NOT CALLED OUT IN DOOR HARDWARE SCHEDULE.					
E	ELECTRIC BELL FOR WATER FLOW. INSTALL AT 9'+/- ABOVE FINISHED GRADE OR AS DIRECTED BY FIRE MARSHAL.					
AIM	ADDRESSABLE MODULE (AIM - INPUT, AOM - OUTPUT, AIO - INPUT/OUTPUT)					
$\langle \rangle$	UV FLAME DETECTOR					
E, 15 CANDELA AND 0.25 WATT TAP UNLESS NOTED OTHERWISE						
15 CANDELA AND 0.25 WATT TAP UNLESS NOTED OTHERWISE						
ELA UN	ELA UNLESS NOTED OTHERWISE					
A UNLESS NOTED OTHERWISE						

GENERAL FIRE ALARM SYSTEM AND DEVICES SHALL BE INSTALLED TO THE LATEST EDITION OF NFPA 72, NFPA 70, AND LOCAL REQUIRMENTS. 2. ALL FIRE ALARM INSTALLATIONS, INCLUDING PULLING OF WIRE AND MOUNTING OF DEVICES, SHALL HAVE OVERSIGHT OF A NICET LEVEL II FIRE ALARM TECHNICIAN OR HIGHER. STROBES SHALL BE SYNCHRONIZED PER NFPA 72. 3. ALL FIRE ALARM CABLE SHALL BE RUN IN RED FACTORY COLORED CONDUIT 4 THESE DESIGN DOCUMENTS PROVIDE GENERAL SPACING, LOCATION, AND COORDINATION CRITERIA. CONTRACTOR SHALL BE RESPONSIBLE FOR CIRCUIT CONFIGURATION, SYSTEM PERFORMANCE, SOFTWARE CONFIGURATION, DEVICE PROGRAMMING, SYSTEM COMMISSIONING, AND SYSTEM WARRANTY. CONTRACTOR SHALL SUBMIT FIRE ALARM, DATA CUT-SHEETS, AND VOLTAGE DROP CALCULATIONS TO 6. AHJ AND A/E FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY WORK ON THE FA SYSTEM. NO FA DOCUMENTS/PLANS SHALL BE USED FOR INSTALLATION OF THIS SYSTEM UNLESS THEY CONTAIN A REVIEW AND APPROVAL STAMP FROM THE AHJ AND THE A/E. THE LOCAL AHJ HAS THE AUTHORITY TO STOP ANY WORK UNTIL SUCH PLANS ARE ON SITE AND IN USE. SEPARATE FIRE ALARM SPECIFICATIONS CONTAIN VERY DETAILED INFORMATION ABOUT THIS SYSTEM AND SHALL BE FOLLOWED, ON-SITE AND AVAILABLE DURING ANY CONSTRUCTION. SECONDARY POWER PERFORMANCE TO MEET NFPA 72. 24 HOURS OF STANDBY POWER FOLLOWED 9 BY 15 MINUTES OF ALARM FOR ALL CONNECTED DEVICES AT MAXIMUM LOAD. SECONDARY POWER FOR THE SYSTEM SHALL ALSO BE DESIGNED TO OPERATE MAXIMUM CONNECTER ALARM LOAD FOR 60 MINUTES IMMEDIATELY FOLLOWING DISCONNECTION OF PRIMARY POWER. 10. CIRCUITS TO BE 24V TYPICAL. LOCATION / SPACING IN ACCORDANCE WITH 2019 NFPA 72, STROBES MAY BE MORE THAN 15 FEET FROM THE END OF A CORRIDOR WHEN ROOM SPACING CRITERIA APPLIES USING THE APPROPRIATE CANDELA 2. WALL MOUNTED SPEAKER, STROBES, OR SPEAKER/STROBES SHALL BE AT 96" OR 6" BELOW THE CEILING, WHICHEVER IS LOWER. ALL SMOKE DETECTORS SHALL BE LOCATED WHERE THEY CAN BE READILY SERVICED. 3. ALL SMOKE DETECTORS SHALL BE CEILING MOUNTED OR WITHIN 12" OF THE CEILING. 4 SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 3' OF AN AIR-SUPPLY OR RETURN GRILLE PER MFG CRITERIA AND APPENDIX 'A' OF NFPA 72. EACH POWER BOOSTER PANEL OR FIRE ALARM PANEL SHALL BE PROTECTED BY A SMOKE 6 DETECTOR. WHEN PROVIDED, AREA DETECTORS WITHIN THE SAME SPACE WILL SATISFY THIS REQUIREMENT 7.

- AIR HANDLER SYSTEMS OVER 2,000 CFM SHALL BE PROVIDED WITH MEANS TO SHUT DOWN UPON THE DETECTION OF SMOKE. THESE DETECTORS SHALL NOT INITIATE A GENERAL FIRE ALARM. DAMPER AND HVAC SMOKE DETECTORS SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR,
- LISTED WITH THE FIRE ALARM SYSTEM, AND INCORPORATE ADDRESSABLE MODULES. WHERE APPLICABLE, SMOKE DETECTORS FOR AIR-HANDLER SHUT DOWN SHALL BE ON BOTH SUPPLY 9. AND RETURN DUCTS.
- WALL MOUNTED VISUAL DEVICES TO BE LOCATED SUCH THAT THE ENTIRE LENS OF THE STROBE IS 10. BETWEEN 80" AND 96" AFF. ALL WALL MOUNTED NOTIFICATION DEVICES SHALL BE MOUNTED AT THE SAME HEIGHT AFF TO ACHIEVE A UNIFORM APPEARANCE OR AS DIRECTED BY THE A/E. WATTAGE AND CANDELA ARE GUIDELINES. CONTRACTOR RESPONSIBLE FOR FINAL SPACING AND TOTAL DEVICE POWER.

PERFORMANCE

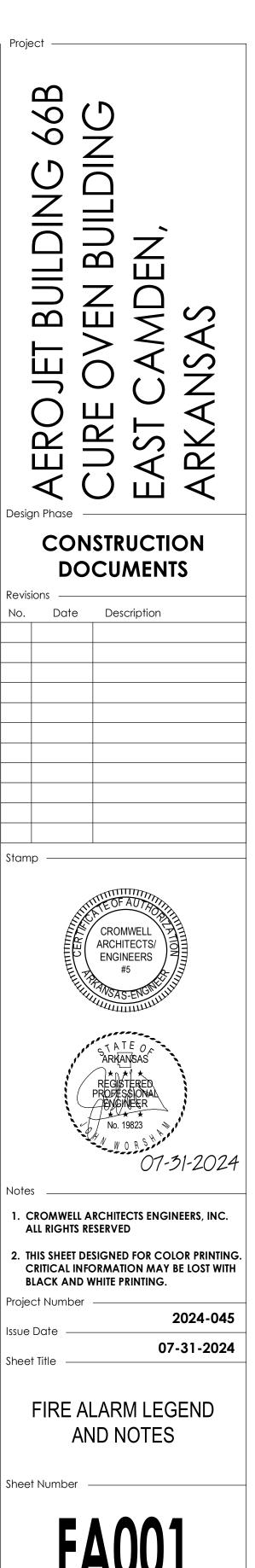
1.	ANY SMOKE DETECTOR THAT HAS BEEN INSTALLED PRI
	TRADES AND WITHOUT PRIOR WRITTEN APPROVAL OF
	MARKED IN A MANNER THAT WILL IDENTIFY IT FROM RE
	COMMISSIONING OF THE SYSTEM OR TURNING OVER TO
	REPLACED AT THE SOLE EXPENSE OF THE INSTALLING

- DUCT DETECTORS SHALL BE MONITORED FOR INTEGRITY AND PROVIDE A SUPERVISORY SIGNAL AT 2. THE FIRE ALARM PANEL. AIR HANDLER SYSTEMS SHALL BE RAN AND BLOWN OUT PRIOR TO INSTALLATION OF SMOKE DETECTORS.
- FIRE ALARM AUDIBLE ALERT SIGNALS SHALL BE SET TO TEMPORAL CODE PER NFPA 72. З. UNLESS OTHERWISE NOTED THE FOLLOWING MINIMUM SURVIVABILITY CRITERIA SHALL BE MET: 4 SIGNALING LINE CIRCUITS CLASS "B", AND NOTIFICATION CIRCUITS CLASS "B".
- INITIATING DEVICES SHALL BE INDIVIDUALLY ADDRESSABLE. 5.

ACCEPTANCE TESTING

- 1. A COMPLETED AND SIGNED RECORD (CERTIFICATE) OF COMPLETION FORM SHALL BE PROVIDED BY THE CONTRACTOR TO THE AHJ, OWNER, AND A/E PRIOR TO COMMISSION TESTING. THIS CERTIFICATE SHALL CERTIFY THAT THE CONTRACTOR HAS PRE-TESTED EVERY DEVICE AND FUNCTION OF THE SYSTEM AND REPAIRED ANY DEFICIENCIES PRIOR TO THE COMMISSIONING TEST.
- ALL SMOKE DETECTORS SHALL BE COMMISSIONED USING CANNED SMOKE OR A METHOD THAT WILL 2. FUNCTIONALLY TEST THE SMOKE CHAMBER. THE USE OF MAGNETS FOR COMMISSION TESTING OF SMOKE DETECTORS IS STRICTLY PROHIBITED.
- EACH AND EVERY DEVICE SHALL BE TESTED DURING COMMISSIONING AND PRIOR TO BEING TURNED 3. OVER TO THE OWNER.
- EACH NOTIFICATION CIRCUIT SHALL BE TESTED UNDER STANDBY/BATTERY POWER. ANY CIRCUIT 4. THAT MEASURES LESS THAN 20 VOLTS DC OR THE NAMEPLATE VOLTAGE, WHICHEVER IS HIGHER, SHALL BE CONSIDERED AS FAILING THE DESIGN. NOTE: SOME SYSTEMS INCORPORATING SYNCHRONIZING MODULES CAN IMPAIR RESULTS. IF THE MODULE CANNOT BE BYPASSED FOR VOLTAGE READINGS, THE MANUFACTURER SHOULD BE CONTACTED FOR GUIDANCE. WHEN VOLTAGE CANNOT BE MEASURED, CIRCUIT WIRE RESISTANCE READINGS AND DEVICE LOAD MAY BE COMPARED TO DESIGN CALCULATIONS (MAKE SURE CIRCUIT IS REMOVED FROM POWER SUPPLY WHEN OBTAINING WIRE RESISTANCE). ONLY A QUALIFIED TECHNICIAN EMPLOYED BY THE INSTALLING CONTRACTOR SHOULD PERFORM THIS FUNCTION.
- EACH CIRCUIT'S END-OF-LINE VOLTAGE SHALL BE DOCUMENTED FOR COMPARISON TO THE DESIGN 5. **END-OF-LINE CALCULATIONS.**

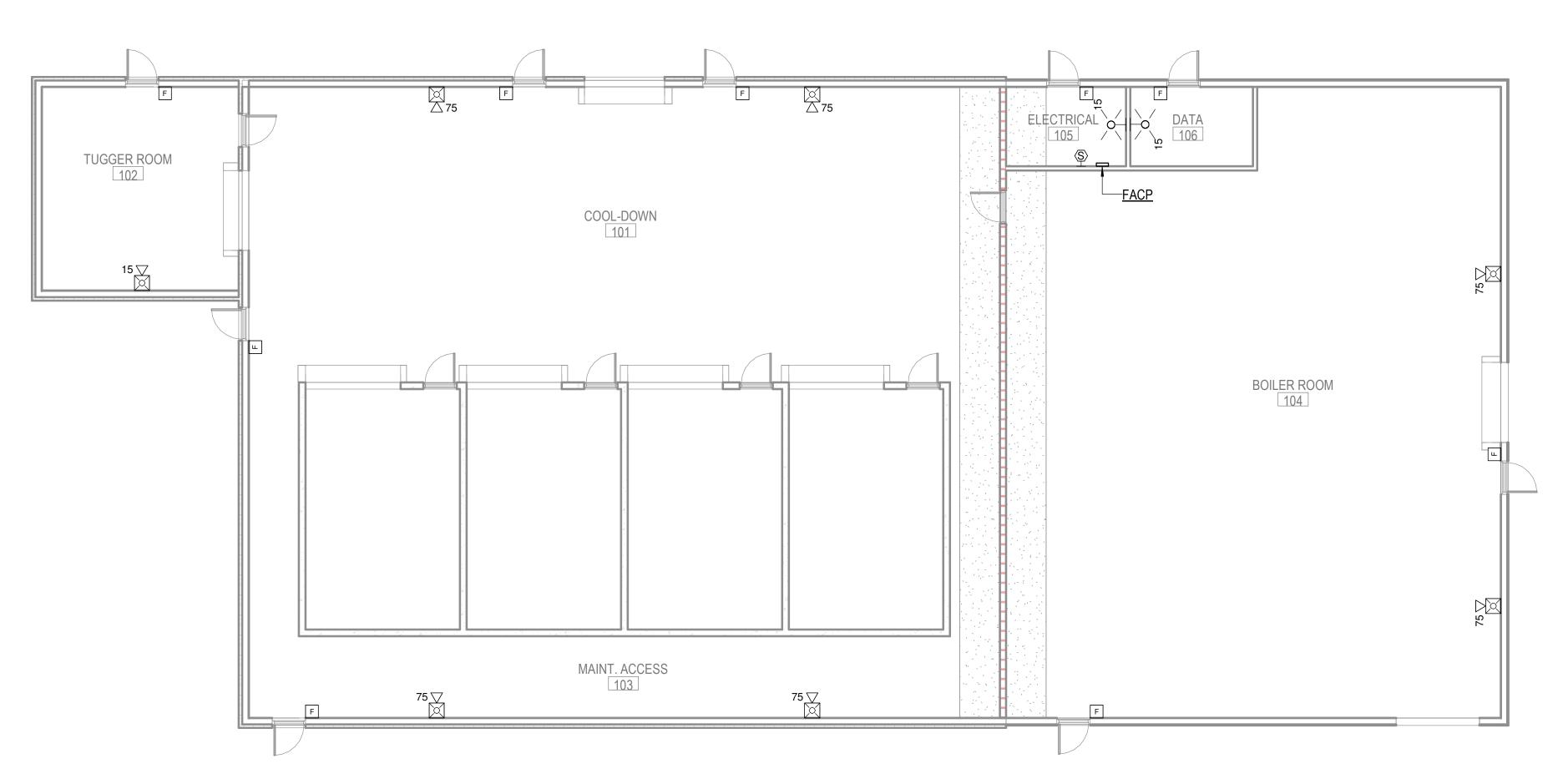
NOR TO THE CONSTRUCTION CLEANUP OF ALL THE ENGINEER AND LOCAL AHJ SHALL BE E-USE AND SHALL BE REPLACED PRIOR TO TO THE OWNER. SUCH DETECTORS SHALL BE CONTRACTOR.



1300 East 6th Street Little Rock, AR 72202 501.372.2900

cromwell.com







COOL-DOWN 101 AND MAINTENANCE ACCESS 103 ARE CLASS II DIVISION 1 LOCATIONS. ALL ELECTRICAL FIXTURES AND DEVICES PROVIDED IN THESE AREAS SHALL BE LISTED AND INSTALLED IN ACCORDANCE WITH 2020 NFPA 70.



