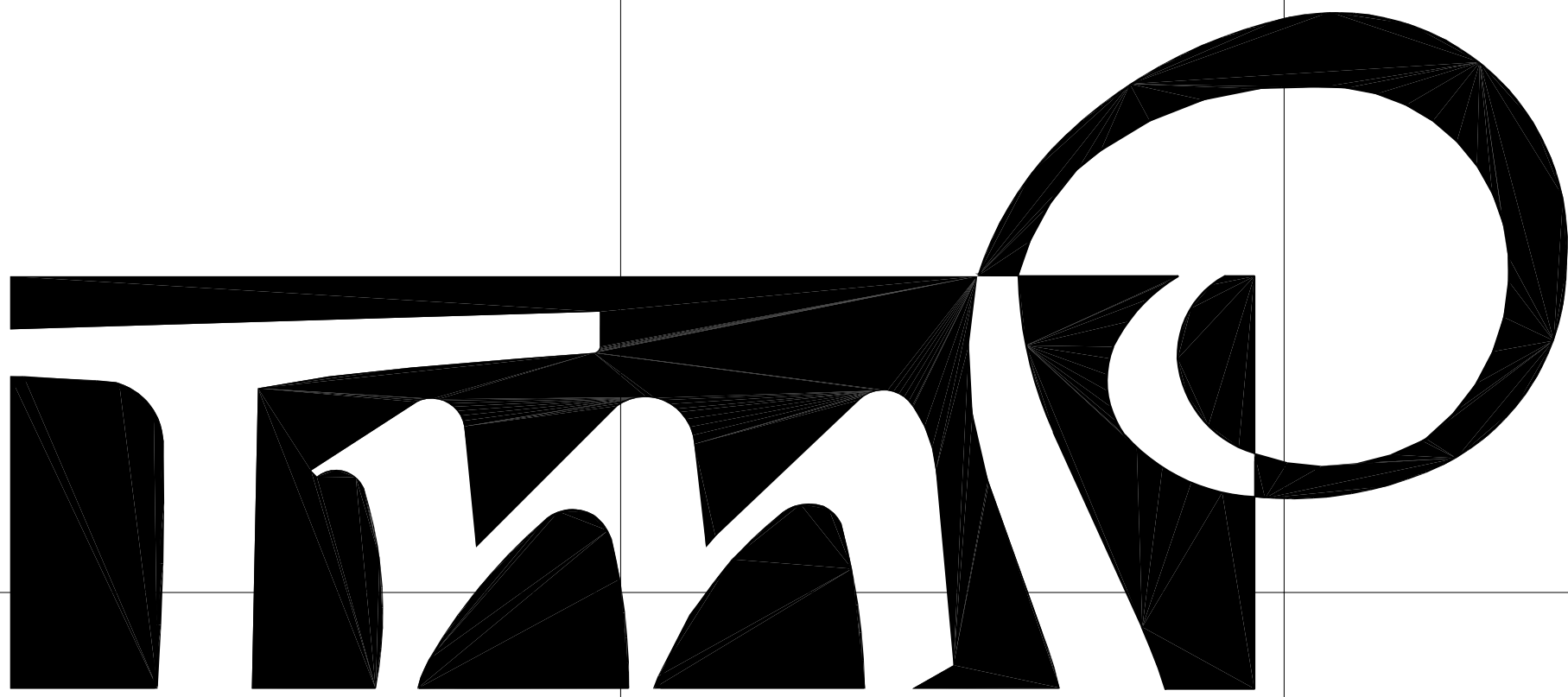
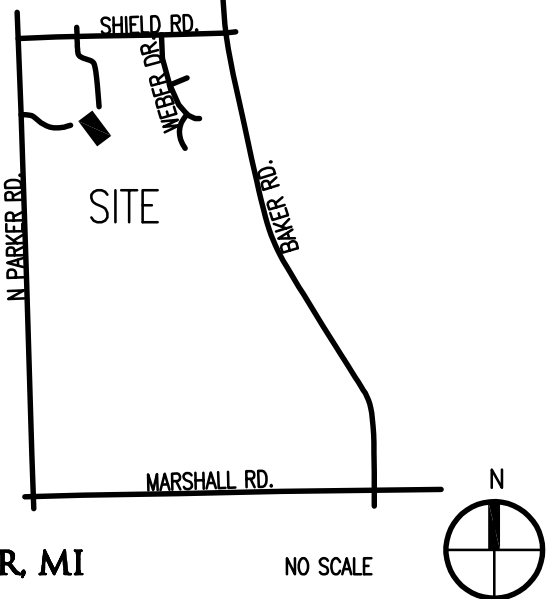


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				 ARCHITECTURE T M P ARCHITECTURE I N C 1191 WEST SQUARE LAKE ROAD · BLOOMFIELD HILLS · MICHIGAN · 48302 PH · 248.338.4561 FX · 248.338.0223 EM · INFO @TMP-ARCHITECTURE.COM					
CONSULTANTS: MECHANICAL ENGINEER PETER BASSO ASSOCIATES INC. ELECTRICAL ENGINEERS 5145 LIVERNOIS ROAD, SUITE 100 TROY, MICHIGAN 48068-3276 PHONE: (248) 378-5665 FAX: (248) 879-0007 ELECTRICAL ENGINEER	CONSULTANT CONSULTANT	LIST OF DRAWINGS GENERAL INFORMATION TS.1 COVER SHEET TG.1 GENERAL INFORMATION CIVIL	STRUCTURAL	ARCHITECTURAL	MECHANICAL M0.1 MECHANICAL STANDARDS AND DRAWING INDEX M1.1A FIRST LEVEL FIRE PROTECTION PLAN - ZONE A M1.1B FIRST LEVEL FIRE PROTECTION PLAN - ZONE B M1.1C FIRST LEVEL FIRE PROTECTION PLAN - ZONE C M1.1D FIRST LEVEL FIRE PROTECTION PLAN - ZONE D M1.1E FIRST LEVEL FIRE PROTECTION PLAN - ZONE E M1.1F FIRST LEVEL FIRE PROTECTION PLAN - ZONE F M1.1G FIRST LEVEL FIRE PROTECTION PLAN - ZONE G M1.1H FIRST LEVEL FIRE PROTECTION PLAN - ZONE H M1.1J FIRST LEVEL FIRE PROTECTION PLAN - ZONE J M1.1K FIRST LEVEL FIRE PROTECTION PLAN - ZONE K M1.2A SECOND LEVEL FIRE PROTECTION PLAN - ZONE A M1.2B SECOND LEVEL FIRE PROTECTION PLAN - ZONE B M1.2C SECOND LEVEL FIRE PROTECTION PLAN - ZONE C M1.2D SECOND LEVEL FIRE PROTECTION PLAN - ZONE D M1.2E SECOND LEVEL FIRE PROTECTION PLAN - ZONE E M1.2F SECOND LEVEL FIRE PROTECTION PLAN - ZONE F M1.2G SECOND LEVEL FIRE PROTECTION PLAN - ZONE G M1.2H SECOND LEVEL FIRE PROTECTION PLAN - ZONE H M1.2J SECOND LEVEL FIRE PROTECTION PLAN - ZONE J M1.2K SECOND LEVEL FIRE PROTECTION PLAN - ZONE K M1.3H THIRD LEVEL FIRE PROTECTION PLAN - ZONE H M1.3J THIRD LEVEL FIRE PROTECTION PLAN - ZONE J M1.3K THIRD LEVEL FIRE PROTECTION PLAN - ZONE K	ELECTRICAL	TECHNOLOGY	PROJECT DATA: LOCATION MAP  DEXTER, MI NO SCALE N ADDRESS: DEXTER HIGH SCHOOL 2200 N PARKER RD. DEXTER, MICHIGAN 48130	BUILDING: EXISTING BUILDING AREA = 296,270 SQ. FT. CODE: GOVERNING CODES: - 2016 SCHOOL FIRE SAFETY RULES (2012 Life Safety Code, plus amendments) - 2015 MICHIGAN BUILDING CODE - 2015 MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS - 2015 MICHIGAN PLUMBING CODE - 2015 MICHIGAN MECHANICAL CODE - 2015 MICHIGAN UNIFORM ENERGY CODE (ANSI/ASHRAE/IES Standard 90.1-2013) - 2014 MICHIGAN ELECTRICAL RULES (2014 NEC, plus Part 8 Rules) - 2010 MICHIGAN ELEVATOR RULES (ASME A17.1-2010, ASME A18.1-2011) - MICHIGAN BARRIER FREE CODE (Michigan Building Code 2015 and ICC A117.1-2009) - 2013 MICHIGAN BOILER CODE RULES (ASME Boiler and Pressure Vessel Code, 2010 edition, plus 2011a addenda) (National Board Inspection Code [NBIC], 2011 edition) CONSTRUCTION CLASSIFICATION : TYPE II (000) (NFPA) TYPE II B (MBC) USE GROUP CLASSIFICATION : "E" EDUCATION . . . 05-25-2023 CONSTRUCTION DOCUMENTS DATE ISSUED FOR:
LICENSEE'S STATEMENT: This Document has been prepared under the supervision of the Architect, as the person in Responsible Charge with the firm of TMP ARCHITECTURE, INC.. An original embossed or rubber stamp seal and original signature of the Architect is required and shall be affixed to any copy of this Document submitted to a governmental agency for approval or record. This is in conformance with the State of Michigan's PA 299, Article 20 and the General Rules of the Board of Architects. The Architect's seal provided hereon does not take responsibility for certain portions of the Documentation or project requiring the services of a licensed Professional Engineer or other design professional. An original embossed or rubber stamp seal and original signature of the Professional Engineer is required and shall be affixed to any copy of this or other Document submitted to a governmental agency for approval or record. The engineering firms associated with this document are listed above as Consultants.		REGISTRATION SEALS						COPYRIGHT © The "architectural work" displayed on these documents is owned exclusively by TMP Architecture, Inc. and may not be used for any purpose without their involvement or express written consent.	PROJECT TITLE Dexter High School Spklr. Upgd. PROJECT NO. 22070B DRAWING NO. TS.1

[illegible][illegible][illegible]

NAT.	NATURAL	SP.	STANDPIPE
N.S.	NEAR SIDE	S.P.	STATIC PRESSURE
NEUT.	NEUTRAL	STA.	STATION
NRC	NOISE REDUCTION COEFFICIENT	STM	STEAM
NOM.	NOMINAL	STL	STEEL
NOR.	NORMAL	STL. PL.	STEEL PLATE
N	NORTH	STIFF.	STIFFENER
NOS.	NOSING	STO. FR.	STOREFRONT
N.O.	NOT-IN-CONTRACT	STOR.	STORAGE
N.T.S.	NOT-TO-SCALE	STR.	STRAIGHT
N.O. or #	NUMBER	ST.	STREET
		STR. STRUCT.	STRUCTURAL
		S-	STRUCTURAL DRAWING-NO.
		S.G.F.T.	STRUCTURAL GLAZED FACING TILE
		S.STL	STRUCTURAL STEEL
		SS.D.	SUBSOIL DRAIN
		SS.D.C.	SUBSOIL DRAIN CONNECTION
		SUB.	SUBSTATION
		S.A.G.	SUPPLY AIR GRILLE
		S.D.	SUPPLY DIFFUSER/ DUCT
		SUBST.	SUBSTITUTE
		S.A.R.	SUPPLY AIR REGISTER
		S.F.	SUPPLY FAN

[illegible][illegible]

MATERIAL DESIGNATIONS								
ELEVATION	SECTION	MATERIAL	ELEVATION	SECTION	MATERIAL	ELEVATION	SECTION	MATERIAL

		BRICK			FINISH HARDWOOD			GYPSUM DRYWALL (WALLBOARD)
		CONCRETE MASONRY UNITS (BLOCK)			WOOD BLOCKING/ NAILER (Continuous)			PLASTER OR VENEER PLASTER
		SOLID CONCRETE MASONRY UNITS			WOOD BLOCKING/ NAILER (Non-continuous)			CEMENT PLASTER AND METAL LATH
		PREFACED CONCRETE MASONRY UNITS			PARTICLE BOARD (Large Scale)			CERAMIC TILE (Large Scale)
		STRUCTURAL GLAZED FACING TILE			PLYWOOD (Large Scale)			TERRAZZO (Large Scale)
		CONCRETE			HARDWOOD VENEER PLYWOOD (Large Scale)			CARPET (Large Scale)
		STONE/ SLATE/ OR GRANITE			PLASTIC LAMINATE CLAD PLYWOOD OR PARTICLE BOARD (Large Scale)			VINYL COMPOSITION TILE (V.C.T.)
		EARTH			BATT OR BLANKET INSULATION			SEALANT AND BACKER ROD (Large Scale) (Depth Equal to Half Joint Width)
		POROUS FILL (GRAVEL OR STONE)			RIGID INSULATION			JOINT FILLER MATERIAL OR ISOLATION JOINT FILLER (Large Scale)
		COMPACTED DRAINAGE FILL (SAND)			ACOUSTICAL CEILING TILE OR PANEL			COLD FORMED METAL FRAMING
		MARBLE			GLASS (Large Scale)			STRUCTURAL STEEL SHAPES (Continuous Sections Hatched or Solid, Non-continuous Sections Open)
		STEEL AND FERROUS METAL (Large Scale)			GLASS (Small Scale)			
		ALUMINUM AND NON-FERROUS METAL (Large Scale)						

DETAIL IDENTIFICATION

DETAIL IDENTIFICATION NUMBER
(SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED)

1.
A1.1

DETAIL TITLE

SCALE: $1/8" = 1'-0"$

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN OR SHEET NUMBER(S) TO REFER TO WHEN REFERENCED ON THE SHEET WHERE THE DETAIL IS DRAWN)

DETAIL LOCATION INDICATION

DETAIL IDENTIFICATION NUMBER

1.
A1.1

(WALL SECTIONS)

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN)

(PLAN SECTIONS)

DETAIL LOCATION INDICATION FOR ENLARGED PLANS

DETAIL IDENTIFICATION NUMBER

1.
A1.1

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE DETAIL IS DRAWN)

SECTION IDENTIFICATION

SECTION IDENTIFICATION NUMBER
(SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED)

1.
A1.1

SECTION TITLE

SCALE: $1/8" = 1'-0"$

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE SECTION IS DRAWN OR SHEET NUMBER(S) TO REFER TO WHEN REFERENCED ON THE SHEET WHERE THE SECTION IS DRAWN)

SECTION LOCATION INDICATION

SECTION IDENTIFICATION NUMBER

1.
A1.1

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE SECTION IS DRAWN)

ELEVATION IDENTIFICATION

ELEVATION IDENTIFICATION NUMBER
(SAME NUMBER ON SHEET WHERE DRAWN OR REFERENCED)

1.
A1.1

ELEVATION TITLE

SCALE: $1/8" = 1'-0"$

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE ELEVATION IS DRAWN OR SHEET NUMBER(S) TO REFER TO WHEN REFERENCED ON THE SHEET WHERE THE ELEVATION IS DRAWN)

ELEVATION INDICATION

ELEVATION IDENTIFICATION NUMBER(S)
(SAME LETTER ON SHEET WHERE DRAWN OR REFERENCED)

1.
A1.1

INDICATES DIRECTION OF VIEW OR MULTIPLE VIEWS

SHEET IDENTIFICATION NUMBER
(INDICATES SHEET NUMBER WHERE ELEVATION IS DRAWN)

MATCH LINE INDICATION

1.

1.
A1.1

2.

3.

4.

DOOR INDICATION

DOOR SWING INDICATION-NEW DOOR

DOOR SWING INDICATION-EXISTING DOOR

DOOR SWING INDICATION-EXISTING DOOR TO BE REMOVED

ROOM NAME AND NUMBER INDICATION

SAMPLE ROOM NAME

101

ROOM IDENTIFICATION NUMBER

DOOR IDENTIFICATION

DOOR TO ROOM SHALL REPEAT ROOM NUMBER ASSIGNED TO ROOM. MULTIPLE DOORS TO ROOM SHALL REPEAT ROOM NUMBER WITH A POSTSCRIPT LETTER FOR EACH ADDITIONAL DOOR REQUIRED.

101 / 101A / 101B FOR NUMBER NEEDS

ROOM IDENTIFICATION BY FLOOR AND/OR ZONE SHALL BE AS FOLLOWS:	DOOR IDENTIFICATION BY FLOOR AND/OR ZONE SHALL BE AS FOLLOWS:
BASEMENT DOORS 001	BASEMENT DOORS 001
FIRST FLOOR DOORS 101	FIRST FLOOR DOORS 101
SECOND FLOOR DOORS 201	SECOND FLOOR DOORS 201
THIRD FLOOR DOORS 301	THIRD FLOOR DOORS 301
CONTINUES FOR AS MANY FLOORS REQUIRED.	CONTINUES FOR AS MANY FLOORS REQUIRED.
COLUMN INDICATION	NORTH INDICATION
COLUMN IDENTIFICATION LETTER OR NUMBER FOR NEW CONSTRUCTION	ASSUMED NORTH IF TRUE NORTH OR PLAIN NORTH WHERE TRUE NORTH IS INDICATED BY ARROW NOTATION
COLUMN IDENTIFICATION LETTER OR NUMBER FOR EXISTING CONSTRUCTION	TRUE NORTH
WALL TYPE NOTATION	CASEWORK NOTATION
WALL CONSTRUCTION TYPE NUMBER AS LISTED IN "WALL TYPE LEGEND"	CASEWORK IDENTIFICATION NUMBER BASED ON MANUFACTURER'S CATALOG NUMBERS AS NOTED IN SPECIFICATIONS OR "CASEWORK" NOTATION
DESCRIPTION ORIGINATES AT WALL SURFACE DESIGNATED	A1-100-36
KEYED NOTE INDICATION	ADDENDUM INDICATION
KEYED NOTE IDENTIFICATION NUMBER AS LISTED IN "NOTES" LEGEND. (PLAN NOTATION)	ADDENDUM NUMBER (CURRENT REVISIONS SHALL BE SHOWN ENCLOSED BY A FREEDOM LINE)
KEYED NOTE IDENTIFICATION NUMBER AS LISTED IN "NOTES" LEGEND. (DEMOLITION NOTATION)	BULLETIN INDICATION
STAIR NOTATION	DRAWING DIMENSION LINE INDICATION
STAIR DIRECTION TO FLOOR ABOVE (UP) OR BELOW (DOWN) NUMBER OF TREADS OR RISERS IN STAIR RUN	NOTE: DO NOT DRAWING WITH GRAPHIC SCALE PROPORTIONS THAN 1:1
MATERIAL OR WORK DIVISION NOTATION	DRAWING NOTATION INDICATION
MATERIAL "A" (EXIST. CONST.) MATERIAL "B" (EXIST. CONST.) JOINT BETWEEN MATERIALS	MATERIAL NOTATION AND INFORMATION (REFER TO TECHNICAL SPECIFICATIONS FOR MATERIAL DESCRIPTIONS AND METHODS OF CONSTRUCTION)



MECHANICAL ABBREVIATION LIST

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A	COMPRESSED AIR	FD	FLOOR DRAIN	PACU	PACKAGED AIR CONDITIONING UNIT
A_(#)	AIR COLLECTED AIR (SPECIFIC PSIG)	FHD	FUNNEL FLOOR DRAIN	PBD	PARALLEL BLADE DAMPER
AA	AIR VENT	FM	FIRE MRRANT	PC	PUMPED CONDENSATE
ACC	AIR COOLED CONDENSER	FR	FIRE HOSE CABINET	PCW	PROCESS COOLING WATER RETURN
ACCU	AIR COOLED CONDENSING UNIT	FHR	FIRE HOSE RACK	PCWR	PROCESS COOLING WATER RETURN
AD	ACCESS DOOR	FHV	FIRE HOSE VALVE	PCWS	PROCESS COOLING WATER SUPPLY
AD	AREA DRAIN	FID	FULL DRAIN AMPS	PD	PURIFIED WATER
AE	AIR EXTRACTOR	FLR	FLOOR	PH	PERMETER HEAT
AF	ABOVE FINISHED FLOOR	FLM	FLOOR METER	PHR	PERMETER HEAT RETURN
AH	AIR HANDLING UNIT	FLWS	FLOW MEASURING STATION	PHS	PERMETER HEAT SUPPLY
ALT	ALTERNATE	FOB	FLAT ON BOTTOM	PNL	PANEL
AMP	AMPERE	FOT	FLAT ON TOP	PM	PERFECT MILLION
APD	AIR PRESSURE DROP	FTM	FEET PER MINUTE	PRSSS	PRESSURE
AR	ARGON	FPM	FEET PER MINUTE	PRV	PRESSURE REDUCING VALVE
ASRAHE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS	FTU	FEET POWERED (AR) TERMINAL UNIT	PSAN	PUMPED SANITARY
ASR	AUTOMATIC SPRINKLER RISER	FS	FLOOR SPACE	ST	STORM
ATD	AIR TRANSFER DUCT	FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR	PSI	POUNDS PER SQUARE INCH
AUX	AUXILIARY	FT	FEET	PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
AUX	ACID VENT	FTD	FINISHED TUBE RADIATION	PSIG	POUNDS PER SQUARE INCH - GAUGE
AVIR	ACID VENT THROUGH ROOF	FV	FACE VELOCITY	PW	PURIFIED WATER
AW	ACID WASTE	G	NATURAL GAS	PWR	PURIFIED WATER RETURN
		GA	GAUGE	PWS	PURIFIED WATER SUPPLY
BAS	BUILDING AUTOMATION SYSTEM	GAL	GALLON	(R)	RELOCATED
BCU	BLOWER COIL UNIT	GRH	GRAVITY RELIEF HOOD	R	RETURN GRILLE OR REGISTER
BDF	BACKDRIFT DAMPER	GPH	GALLONS PER HOUR	RCA	RETURN AIR
BFT	BELOW FINISHED FLOOR	GPM	GALLONS PER MINUTE	RAT	RETURN AIR TEMPERATURE
BFP	BACKFLOW PREVENTER	GSAN	GREASE SANITARY WASTE	RC	RAIN CONDUCTOR
BRK	BRAKE HORSEPOWER			RCP	RADIANT CEILING PANEL
BD	BOTTOM OF DUCT	H	HYDROGEN	RD	ROOF DRAIN
BD	BOTTOM OF PIPE	HD	HOSE BECK	REQD	REQUIRED
BTU	BRITISH THERMAL UNIT	HB	HEATING COIL	REF	ROOF EXHAUST FAN
BTUH	BRITISH THERMAL UNIT PER HOUR	HD	HOSE DIBB	RF	RETURN FAN
BVC	BEVERAGE CONDUIT	HEPA	HIGH EFFICIENCY PARTICULATE ARRESTANCE	RH	RELATIVE HUMIDITY
BWV	BACKWATER VALVE	HL	HIGH LIMIT	RL	REFRIGERANT LIQUID
		HOA	HAND/OFF/AUTO	RL	REFRIGERANT LIQUID
C	COMMON	HP	HEAT PUMP	RPM	REVOLUTIONS PER MINUTE
CAP	CAPACITY	HPH	HORSEPOWER	RPDA	REDUCED PRESSURE BACKFLOW PREVENTION DEVICE
CB	CONSTANT AIR VOLUME	HPCW	HIGH PRESSURE DOMESTIC COLD WATER	RS	REDUCED PRESSURE BACKFLOW PREVENTION DEVICE
CB	CATCH BASIN	HPHW	HIGH PRESSURE DOMESTIC HOT WATER	RS	REFRIGERANT SUCTION
CC	COOLING COIL	HPHR	HIGH PRESSURE DOMESTIC HOT WATER RETURN	RTU	ROOM UNIT
CD	COLD DRAIN	HPL	HEAT PUMP LOOP		
CD	CONDENSATE DRAIN	HPLR	HEAT PUMP LOOP RETURN	S	SUPPLY AIR DIFFUSER OR GRILLE
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	HPLM	HEAT PUMP LOOP SUPPLY	SA	SOUND ATTENUATOR
CFM	CUBIC FEET PER HOUR	HQR	HOT WATER	SA	SUPPLY AIR
CFM	CUBIC FEET PER MINUTE	HTC	HEATING	SAN	SANITARY WASTE
CH	CHILLER	HVC	HEATING VENTILATING, AIR CONDITIONING	SC	SECTION
CH	CHILLER WATER	HWH	HOT WATER HEATING	SCOR	SHORT CIRCUIT CURRENT RATING
CHWR	CHILLED WATER RETURN	HWHR	HOT WATER HEATING RETURN	SF	SUPPLY FAN
CLS	CHILLED WATER SUPPLY	HWHHS	HOT WATER HEATING SUPPLY	SH	SHOWER
CLS	CONDENSATE	HW	HOT WATER	SK	SINK
CND	CONDENSATE (SPECIFIC PSIG)	HW	DOMESTIC HOT WATER (SPECIFIC TEMP °T)	SMR	SNOW MELT RETURN
CO	CLEAN OUT	HWR	DOMESTIC HOT WATER RETURN	SMS	SNOW MELT SUPPLY
CO2	CARBON DIOXIDE	HZ	HEAT EXCHANGER	SP	STATIC PRESSURE
CONT	CONTINUATION OR CONTINUED	HZ	HERTZ	SPEC	SPECIFICATION
CONTR	CONTRACTOR	IQ	INDOOR AIR QUALITY	SPKLR	SPRINKLER
CONV	CONVECTOR	ID	IDNOSE DIAMETER	SQFT	SQUARE FOOT/SQUARE FEET
COP	COEFFICIENT OF PERFORMANCE	IE	INVERT ELEVATION	S/S	START/STOP
CR	CIRCULATING PUMP	IN	INCHES	SS	SERVICE SINK
CRU	CONDENSATE RETURN UNIT	IR	INFRARED HEATER	ST	STORM
CSS	CLINICAL SERVICE SINK	IR	INDIRECT WASTE	STD	STANDARD
CT	COOLING TOWER	IR	INDIRECT WASTE	STK	STACK
CUH	CABINET UNIT HEATER	IR	INDIRECT WASTE	STM	STEAM
CW	DOMESTIC COLD WATER	JP	JANITOR'S CLOSET	STM_(#)	STEAM (SPECIFIC PSIG)
CW	DOMESTIC COLD WATER - FILTERED	JC	JANITOR'S CLOSET	S/W	SUMMER/WINTER
CWR	CONDENSER WATER RETURN	JO	JOEY PUMP	SW	SWITCH
CWS	CONDENSER WATER SUPPLY				
D&T	DRAIN AND TRAP	KA	THOUSAND AMP	T	TRANSFER GRILLE
DA	DISCHARGE AIR	KLWAT	KILOWATT	TC	TEMPERATURE CONTROL
DA	DISCHARGE AIR TEMPERATURE	KW	KWATT-THOUR	TC	TEMPERATURE COIL
DB	DRY BULB	LAT	LEAVING AIR TEMPERATURE	TD	TEMPERATURE CONTROL PANEL
DDC	DIRECT DIGITAL CONTROL	LBR	LABORATORY	TD	TRENCH DRAIN
DEG	DEGREE	LAV	LAVATORY	TEMP	TEMPERATURE
DFU	DRAINAGE FIXTURE UNITS	LBS	POUNDS	TEMP	TEMPORARY
DMR	DAMPER	LDB	LEAVING DRY BULB	THA	TERMINAL HEATING
D/N	DAY/NIGHT	LL	LOW LIMIT	THR	TERMINAL HEATING RETURN
DN	DOWN	LPS	LOW PRESSURE CONDENSATE	THR	TERMINAL HEATING
DNZ	DOWNSPOUT NOZZLE	LRA	LOCKED ROTOR AMPS	THS	TERMINAL HEATING SUPPLY
DS	DUCT SILENCER	LWB	LEAVING WET BULB	TR	TEMPERATURE
DT	DRAIN TILE	LWT	LEAVING WATER TEMPERATURE	TR	TEMPERATURE
DT	DRAIN TILE CONNECTION			TR	TEMPERATURE
DWH	DOMESTIC WATER HEATER	MA	MIXED AIR	TV	TURNING VANES
DWG	DRAWING	MW	MIXED AIR TEMPERATURE	TW	TEMPERED WATER
		MAU	MAKE-UP AIR UNIT	TPP	TYPICAL
(E)	EXISTING	MAT	MAXIMUM		
E	EXISTING GRILLE OR REGISTER	MBA	THOUSAND BRITISH THERMAL UNITS PER HOUR	UH	UNIT HEATER
EA	EACH	MCC	MOTOR COMPRESSED AIR	UHA	UNDERWRITER'S LABORATORY
EA	EXHAUST AIR	MCA	MINIMUM CIRCUIT AMPACITY	UON	UNIT OTHERWISE NOTED
EAT	ENTERING AIR TEMPERATURE	MCC	MOTOR CONTROL CENTER	UR	URNAL
ECH	EXPANSION COMPENSATOR	MECH	MECHANICAL	UV	UNIT VENTILATOR
ECH	ELECTRIC CABINET UNIT HEATER	MEZZ	MEZZANINE		
EED	ENTERING DRY BULB	MFR	MANUFACTURER	V	VALVE
EER	ENERGY EFFICIENCY RATIO	MH	MANHOLE	V	VENT
EES	EMERGENCY EYE WASH / SHOWER	MIL	1/1000th INCH	VAC	VACUUM
EWF	EMERGENCY EYE WASH	MIN	MINIMUM	VAV	VARIABLE AIR VOLUME
EW	EXHAUST FAN	MISC	MISCELLANEOUS	VB	VOLUME BREAKER
EF	EFFICIENCY	MW	MILLION BRITISH THERMAL UNITS PER HOUR	VC	VOLUME DAMPER (MANUALLY ADJUSTABLE)
EHC	ELECTRIC HEATING COIL	MOP	MAXIMUM OVERCURRENT PROTECTION	VOL	VOLUME
EJ	EXPANSION JOINT	M/S	MOTOR STARTER	VFC	VARIABLE FREQUENCY CONTROLLER
EL	ELEVATION	MT	MOTOR	TR	TURN THROUGH ROOF
ELC	ELECTRICAL	MTR	MOTOR	VTU	VENTURI TERMINAL UNIT
EMS	ENERGY MANAGEMENT SYSTEM	MVAC	MANUAL AIR VENT	VUV	VERTICAL UNIT VENTILATOR
ENR	ENERGY RECOVERY LOOP		MEDICAL VACUUM		
ENR	ENERGY RECOVERY LOOP RETURN				
ENR	ENERGY RECOVERY LOOP SUPPLY				
ENR	ENERGY RECOVERY UNIT	N	NITROGEN	W	WASTE
ESH	EMERGENCY SHOWER	NO	NITROGEN OXIDE	W&V	WASTE AND VENT
ESP	EXTERNAL STATIC PRESSURE	NC	NOISE CRITERIA	WB	WET BULB
ESC	ELECTRIC UNIT HEATER	NC	NORMALLY CLOSED	WC	WATER CLOSET
EWB	ENTERING WET BULB	NCC	NORMALLY CLOSED TIMED CLOSED	WC	WATER CLOSET
EWC	ELECTRIC WATER COOLER	NCTO	NORMALLY CLOSED TIMED OPEN	WG	WATER GAUGE
EWT	ENTERING WATER TEMPERATURE	NFO	NATIONAL FIRE PROTECTION ASSOCIATION	WI	WALL HYDRANT
EX	EXHAUST	NOTC	NORMALLY OPEN TIMED CLOSED	WMS	WASHING MACHINE SUPPLY AND DRAIN BOX
EX	EXHAUST	NO	NORMALLY OPEN TIMED OPEN	WPD	WATER PRESSURE DROP
F	FIRE PROTECTION	NO	NORMALLY OPEN	WT	WEIGHT
F	DEGREES FAHRENHEIT	NOM	NORMALLY OPEN		
F&B	FACE AND BYPASS	NON	NOT	XMR	TRANSFORMER
F&T	FLOAT AND THERMOSTATIC	NPCW	NOT POTABLE COLD WATER		
FA	FACE AREA	O	OXYGEN	ZVB	ZONE VALVE BOX
FCU	FAN COIL UNIT	OA	OUTSIDE AIR		

TEMPERATURE CONTROL - PARTIAL SYMBOLS LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CARBON DIOXIDE SENSOR		OCCUPANCY SENSOR
	CARBON MONOXIDE SENSOR		PRESSURE TRANSMITTER
	DIFFERENTIAL PRESSURE TRANSMITTER		STATIC PRESSURE SENSOR OR PROBE
	FLOW METER		VALVE - 2 WAY CONTROL VALVE
	GUARD FOR STAT OR SENSOR		VALVE - 3 WAY CONTROL VALVE
	HUMIDISTAT OR HUMIDITY SENSOR (AS DEFINED ON TC DRAWINGS)		THERMOSTAT OR TEMPERATURE SENSOR (AS DEFINED ON TC DRAWINGS)

NOTE: LIST OF ADDITIONAL SYMBOLS & ABBREVIATIONS ASSOCIATED WITH TEMPERATURE CONTROLS ARE IDENTIFIED ON TC DRAWINGS.

MECHANICAL SYMBOL LIST

PIPING SYMBOLS

SYMBOL	DESCRIPTION
	AIR VENT - AUTOMATIC
	AIR VENT - MANUAL
	BACKFLOW PREVENTER
	CATCH BASIN
	CIRCULATING PUMP
	CLEAN OUT - IN FLOOR
	CLEAN OUT - FLANGE
	DIRECTION OF FLOW
	DIRECTION OF PITCH - DOWN
	FINNED TUBE RADIATION
	FIRE PROTECTION - SIAMESE CONNECTION - FREE STANDING
	FIRE PROTECTION - SIAMESE CONNECTION - WALL MOUNTED
	FLOOR DRAIN
	FLOOR DRAIN - ELEVATION
	FLOOR DRAIN - FUNNEL
	FLOOR DRAIN - FUNNEL, ELEVATION
	FLOW MEASURING DEVICE (FOR TEST AND BALANCING)
	FLOW SWITCH
	FLOW METER
	HOSE BIBB
	MANHOLE
	OPEN SITE DRAIN
	PIPE - ANCHOR
	PIPE - CAP OR PLUG
	PIPE - ELBOW DOWN
	PIPE - ELBOW UP
	PIPE - EXPANSION JOINT OR COMPENSATOR
	PIPE - FLANGE
	PIPE - HOSE AND BRAID FLEXIBLE CONNECTION
	PIPE - RUBBER FLEXIBLE CONNECTION
	PIPE - GUIDE
	PIPE - TEE DOWN
	PIPE - TEE UP
	PIPE - UNION
	PRESSURE AND TEMPERATURE TEST PLUG
	PRESSURE GAUGE AND COCK
	REDUCER - CONCENTRIC
	REDUCER - ECCENTRIC
	ROOF/OVERFLOW DRAIN
	STEAM TRAP - FLOAT AND THERMOSTATIC
	STEAM TRAP - BUCKET
	STRAINER
	STRAINER WITH VALVE AND BLOW-OFF
	THERMOMETER
	TRAP
	VALVE - ANGLE
	VALVE - BALL
	VALVE - BUTTERFLY
	VALVE - BALANCE (1/2 BALANCE VALVE TO 0.5 GPM)
	VALVE - COMBINATION BALANCE & FLOW MEASURING (1/2 BALANCE VALVE TO 0.5 GPM)
	VALVE - CHECK
	VALVE - SPRING CHECK
	VALVE - GAS (MANUAL)
	VALVE - GLOBE
	VALVE - ISOLATION
	VALVE - NEEDLE
	VALVE - OS&Y
	VALVE - PLUG
	VALVE - PRESSURE REGULATING
	VALVE - PRESSURE REDUCING
	VALVE - PRESSURE RELIEF
	VALVE - PRESSURE & TEMPERATURE RELIEF
	VENT THROUGH ROOF
	WALL HYDRANT
	WATER METER
	GAS METER

DOUBLE LINE PIPING SYMBOLS

SYMBOL	DESCRIPTION
	FLANGE
	FLEX CONNECTION
	STRAINER - BASKET
	STRAINER - Y TYPE
	VALVE - 2 WAY CONTROL
	VALVE - 3 WAY CONTROL
	VALVE - BUTTERFLY
	VALVE - CHECK
	VALVE - DETECTOR CHECK
	VALVE - OS&Y HORIZONTAL STEM
	VALVE - OS&Y VERTICAL STEM

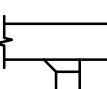
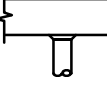
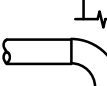
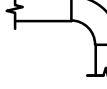
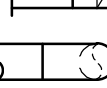
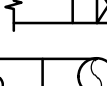
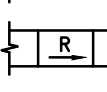
DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	AIR TERMINAL UNIT
	AIR TERMINAL UNIT WITH HEATING COIL
	VENTURI AIR TERMINAL UNIT
	VENTURI AIR TERMINAL UNIT WITH HEATING COIL
	DAMPER - HORIZONTAL FIRE (EXISTING, NEW)
	DAMPER - HORIZONTAL FIRE / SMOKE (EXISTING, NEW)
	DAMPER - SMOKE (EXISTING, NEW)
	DAMPER - VERTICAL FIRE (EXISTING, NEW)
	DAMPER - VERTICAL FIRE / SMOKE (EXISTING, NEW)
	DAMPER - BACK DRAFT
	DAMPER - MOTORIZED
	DAMPER - VOLUME (MANUALLY ADJUSTABLE)
	DIFFUSER - BLANK OFF
	DIFFUSER - LINEAR SLOT
	DIFFUSER - SQUARE OR RECTANGULAR
	DUCT CROSS SECTION - SUPPLY
	DUCT CROSS SECTION - RETURN
	DUCT CROSS SECTION - EXHAUST
	DUCT - FLEXIBLE CONNECTION
	DUCT - FLEXIBLE DUCT
	DUCT TAKE-OFF - ROUND CONICAL
	DUCT TAKE-OFF - RECTANGULAR WITH SHOE TAP
	ELBOW - RECTANGULAR WITH TURNING VANES
	ELBOW - RECTANGULAR / ROUND SMOOTH RADIUS
	ELBOW DOWN - RECTANGULAR
	ELBOW DOWN - ROUND
	ELBOW UP - RECTANGULAR
	ELBOW UP - ROUND
	FAN - AXIAL
	FAN - CENTRIFUGAL (ELEVATION)
	HEATING COIL
	INCLINED DROP IN DIRECTION OF AIRFLOW
	INCLINED RISE IN DIRECTION OF AIRFLOW
	INTAKE OR RELIEF HOOD
	REGISTER - RETURN OR EXHAUST
	REGISTER - RETURN WITH BOOT
	REGISTER - TRANSFER GRILLE
	ROOF EXHAUST FAN
	TRANSITION - CONCENTRIC
	TRANSITION - ECCENTRIC
	UNIT HEATER - HORIZONTAL THROW
	UNIT HEATER - VERTICAL THROW

DOUBLE LINE DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	DUCT TAKE-OFF - RECTANGULAR WITH SHOE TAP
	DUCT TAKE-OFF - ROUND CONICAL
	ELBOW - RECTANGULAR WITH TURNING VANES

DOUBLE LINE DUCTWORK SYMBOLS

<u>SYMBOL</u>	<u>DESCRIPTION</u>
	DUCT TAKE-OFF - RECTANGULAR WITH SHOE TAP
	DUCT TAKE-OFF - ROUND CONICAL
	ELBOW - RECTANGULAR WITH TURNING VANES
	ELBOW - RECTANGULAR SHORT RADIUS WITH SPLITTER VANES
	ELBOW - ROUND
	ELBOW - RECTANGULAR SMOOTH RADIUS
	ELBOW DOWN - RECTANGULAR
	ELBOW DOWN - ROUND
	ELBOW UP - RECTANGULAR
	ELBOW UP - ROUND
	HEATING COIL
	INCLINED DROP IN DIRECTION OF AIRFLOW
	INCLINED RISE IN DIRECTION OF AIRFLOW
	TRANSITION - CONCENTRIC
	TRANSITION - ECCENTRIC

MECHANICAL DRAWING INDEX

SHEET NO.	SHEET TITLE
M-0.1	MECHANICAL STANDARDS AND DRAWING INDEX
M-1.0	FIRST LEVEL FIRE PROTECTION PLAN - ZONE A
M-1.1	FIRST LEVEL FIRE PROTECTION PLAN - ZONE B
M-1.2	FIRST LEVEL FIRE PROTECTION PLAN - ZONE C
M-1.3	FIRST LEVEL FIRE PROTECTION PLAN - ZONE D
M-1.4	FIRST LEVEL FIRE PROTECTION PLAN - ZONE E
M-1.5	FIRST LEVEL FIRE PROTECTION PLAN - ZONE F
M-1.6	FIRST LEVEL FIRE PROTECTION PLAN - ZONE G
M-1.H	FIRST LEVEL FIRE PROTECTION PLAN - ZONE H
M-1.J	FIRST LEVEL FIRE PROTECTION PLAN - ZONE J
M-1.K	FIRST LEVEL FIRE PROTECTION PLAN - ZONE K
M-2.0	SECOND LEVEL FIRE PROTECTION PLAN - ZONE A
M-2.1	SECOND LEVEL FIRE PROTECTION PLAN - ZONE B
M-2.2	SECOND LEVEL FIRE PROTECTION PLAN - ZONE D
M-2.3	SECOND LEVEL FIRE PROTECTION PLAN - ZONE E
M-2.4	SECOND LEVEL FIRE PROTECTION PLAN - ZONE F
M-2.5	SECOND LEVEL FIRE PROTECTION PLAN - ZONE G
M-2.H	SECOND LEVEL FIRE PROTECTION PLAN - ZONE H
M-2.J	SECOND LEVEL FIRE PROTECTION PLAN - ZONE J
M-2.K	SECOND LEVEL FIRE PROTECTION PLAN - ZONE K
M-3.0	THIRD LEVEL FIRE PROTECTION PLAN - ZONE A
M-3.1	THIRD LEVEL FIRE PROTECTION PLAN - ZONE H
M-3.3	THIRD LEVEL FIRE PROTECTION PLAN - ZONE K

STANDARD METHODS OF NOTATION

S-1
10#
350-4

SUPPLY DIFFUSER WITH SCHEDULE TAG "1",
10" DIAMETER NECK SIZE
350 GPM TYPICAL FOR 4

R-1
22x22
640-2

RETURN REGISTER WITH SCHEDULE TAG "1",
22" x 22" NECK SIZE
640 GPM TYPICAL FOR 2
EXHAUST REGISTER E DESIGNATION SIMILAR.

30-101

AIR TERMINAL UNIT WITH HEATING COIL NO. 101
WITH SERVICE CLEARANCE SHOWN

70-101

VENTURI AIR TERMINAL WITH HEATING COIL NO. 101
WITH SERVICE CLEARANCE SHOWN

2)WC-1

PLUMBING FIXTURE UNIT IDENTIFICATION TAG
WATER CLOSURE TYPE "1"
TYPICAL FOR 2

TH-1

PIPE DIAMETER NOTATION
ALL SIZES IN INCHES

8#

DUCT SIZE NOTATION
ALL SIZES IN INCHES

22x10 18x14#

OVAL DUCT
RECTANGULAR DUCT

1

CONSTRUCTION KEY NOTE (NUMBER) OR
DEMOLITION KEY NOTE (LETTER)

EF
1

EQUIPMENT DESIGNATION,
(i.e. EXHAUST FAN NUMBER 1)

HW-1

PIPING: RISER DESIGNATION
(i.e. HOT WATER RISER NUMBER 1)

 SECTION OR ENLARGED PLAN

M5.1

SCALE: 1/8" = 1' - 0"

— SHEET M1.0
— SHEET M1.1

 MATCH LINE

	HEAVY LINE WEIGHT INDICATES NEW WORK
	LIGHT LINE WEIGHT INDICATES EXISTING EQUIPMENT OR REFERENCED INFORMATION
	GRAY LINE INDICATES BACKGROUND INFORMATION
	DASHED LINES INDICATE PIPING ROUTED BELOW SLAB OR GRADE
	HATCH MARKS INDICATE EQUIPMENT OR MATERIALS TO BE DISCONNECTED AND REMOVED.

NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT.



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PBA Project No.: 2022.0416

PROJECT TITLE

DEXTER HIGH SCHOOL SPRINKLER UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE

MECHANICAL STANDARDS AND DRAWING INDEX

ISSUE DATES

DATE: ISSUED FOR

DRAWN	TLC
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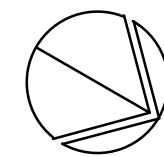
APPROVED SVM

PROJECT NO.

22070B

DRAWING NO.

M0.1



Sprinkler Types	
Symbol	Description
	Vikiang Upright Ext. Cov. Hdz. 3/4" Thread, 5/8" Orifice, 11.5" Factor White, 18" Max. Hoz. (8" Min. Between Heads)
	Reliable Long. Pend. Ext. Cov. 3/4" Thread, 11.4" K-Factor White, 18" - 0" x 18" Max. Hoz. (8" Min. Between Heads)
	Goose Semi Rec Pend. 1/32, 3/4", 100, QUICK RES. EXT. COV. UHT HAZ, WHITE, 20" - 0" x 20" Max. Cov. (8" - 0" Min. Between Heads)
	Vikiang Wexed Upright Ext. Cov. Grd. Hdz. 3/4" Thread, 5/8" Orifice, 11.5" K-Factor White, 18" Max. Hoz. (8" Min. Between Heads)

- BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.



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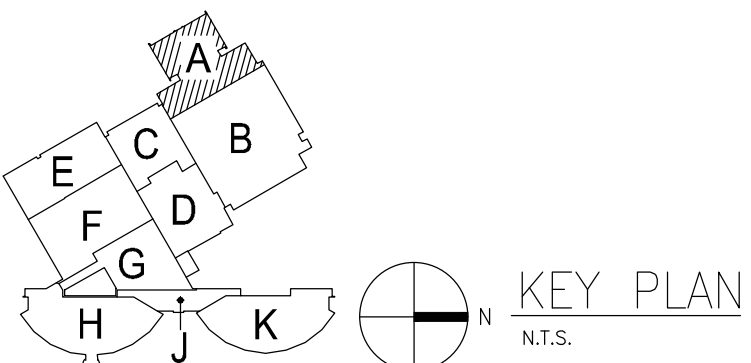
PROJECT TITLE

DEXTER HIGH SCHOOL SPRINKLER UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE

FIRST LEVEL FIRE PROTECTION PLAN - ZONE A



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

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APPROVED SVM

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PROJECT NO.

22070B

DRAWING NO.

M1.1A



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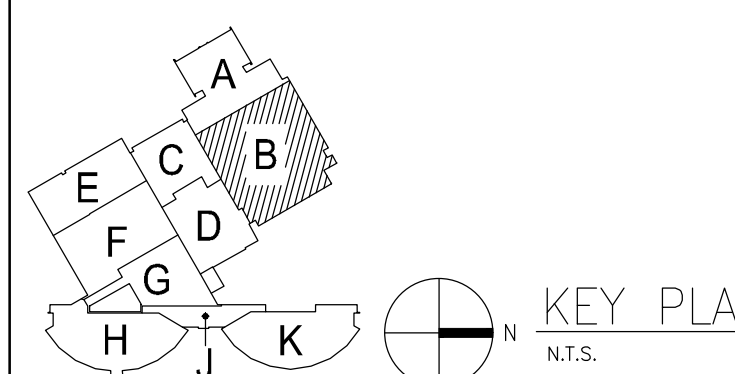
PROJECT TITLE

DEXTER HIGH SCHOOL SPRINKLER UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE

FIRST LEVEL FIRE PROTECTION PLAN - ZONE B



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

DATE:	ISSUED FOR
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DRAWN	TLC
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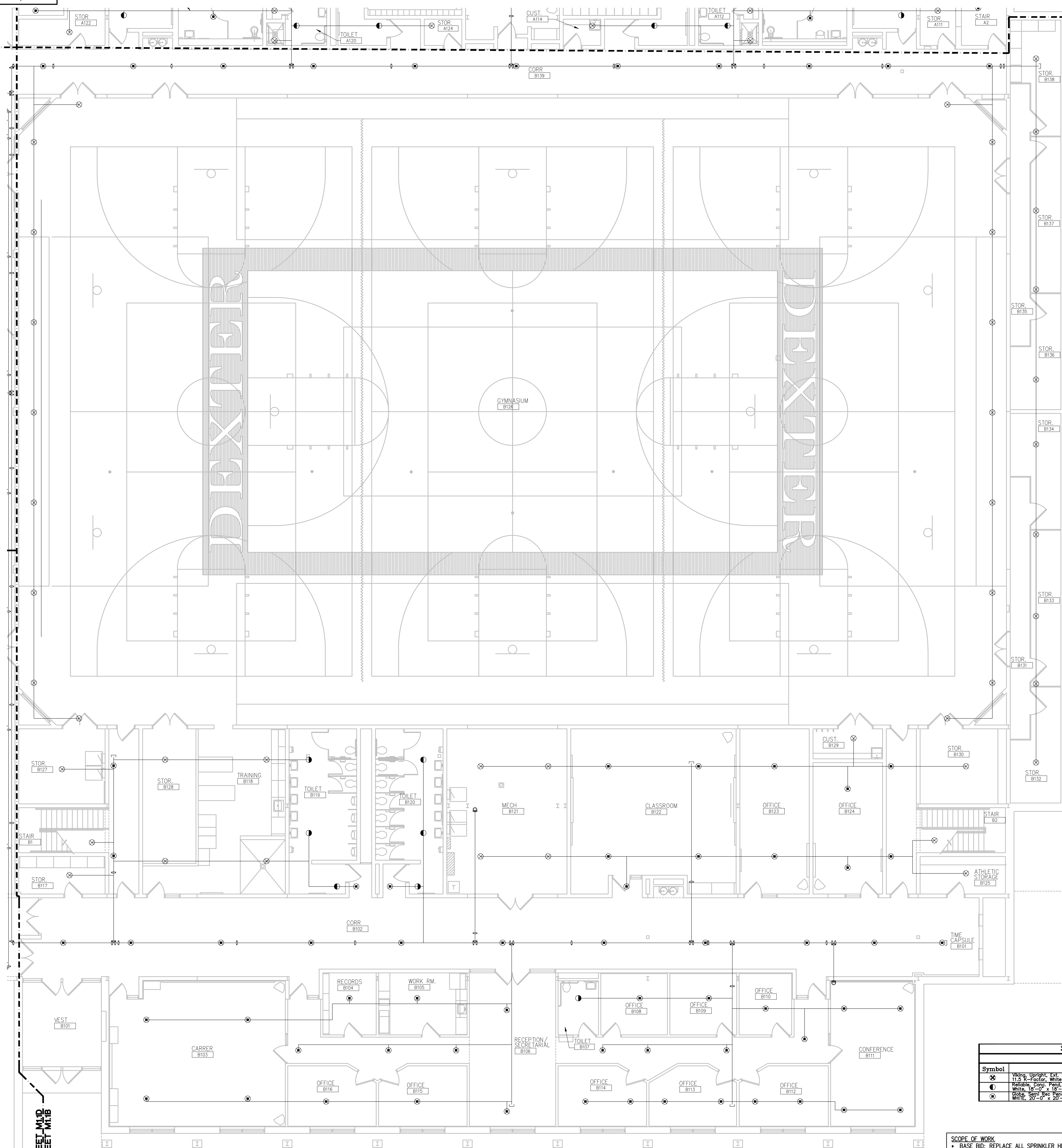
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PROJECT NO.

22070B

DRAWING NO.

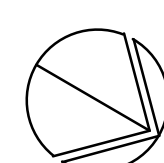
M1.1B



Sprinkler Types	
Symbol	Description
	Viking, Upright, Ext. Cov. Ord. HAZ, 3/4" Thread, 5/8" Orifice, 11.5 K-Factor, White
	Reliable, Conc. Pend, Ext. Cov. 3/4" Thread, 11.4 K-Factor White, 18"-0" x 18"-0" Max. Cov. (10"-6" Min. Between Heads)
	Globe, Semi Rec Pend, 17/32, 3/4, 155, QUICK RES. EXT. COV., LHT HAZ.

SCOPE OF WORK

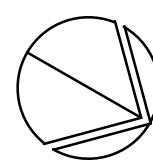
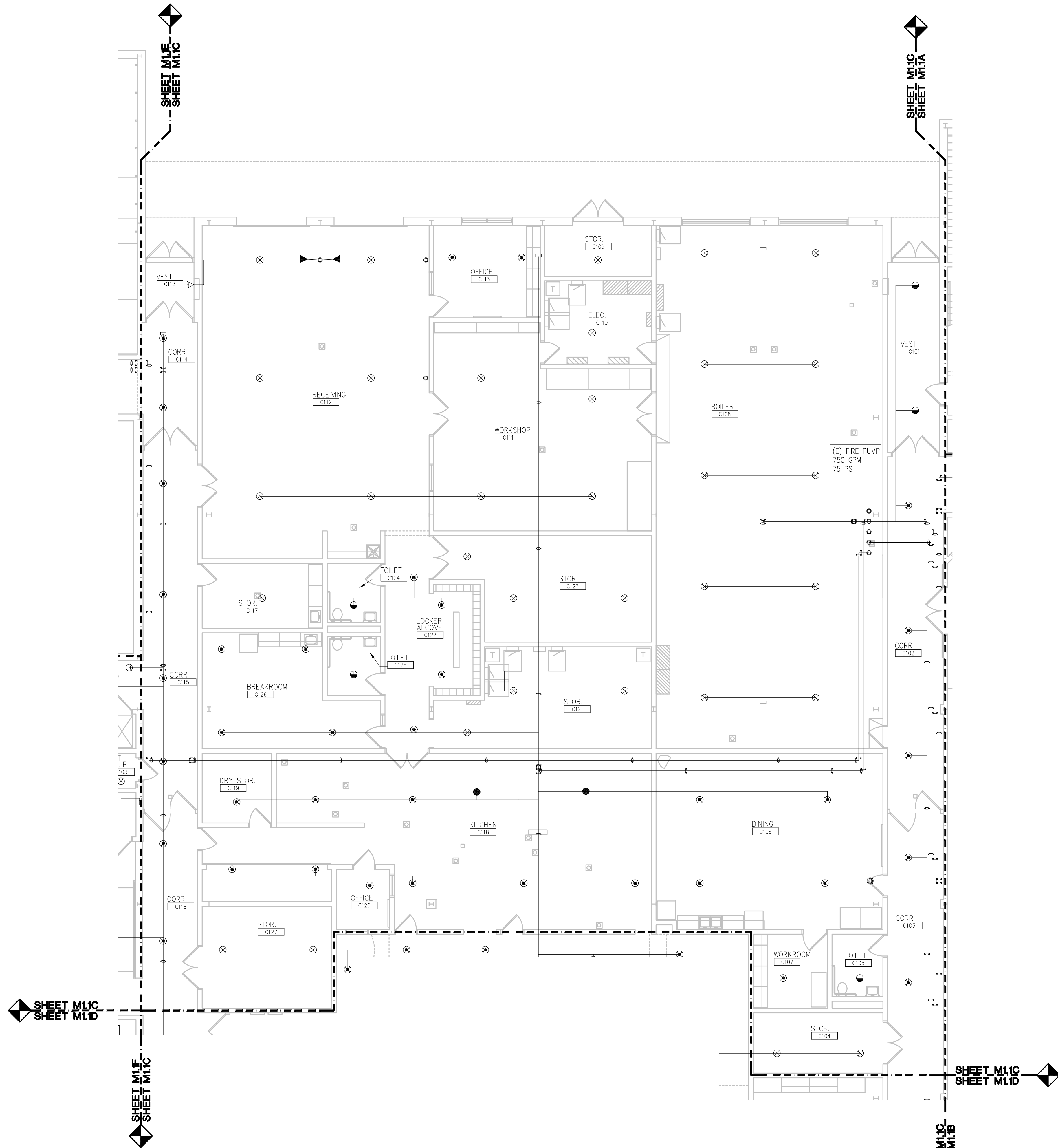
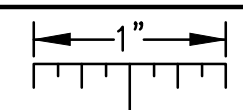
- BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
- BASE BID: INCLUDE COST FOR 400 (QTY) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
- BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE. FOR EACH OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.



FIRST LEVEL FIRE PROTECTION PLAN - ZONE B

FIRST LEV
SCALE: 1/8" = 1' = 0

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



FIRST LEVEL FIRE PROTECTION PLAN - ZONE C
SCALE: 1/8" = 1' - 0"

Sprinkler Types	
Symbol	Description
X	Wet, Upright, Ext. Cov. Ord. Haz., 3/4" Thread, 5/8" Orifice, 11.2 GPM, Factory Brand
●	Reducing Drop Head, Ext. Cov., 3/4" Thread, 11.4 K-Factor, White, 15' - 18' O.C. Max. C/W, (10'-0" Min. Between Heads)
○	Drop Head, 3/4" Thread, 11.4 K-Factor, 15' - 18' O.C. Max. C/W, (10'-0" Min. Between Heads)
○	White, 20' - 22' O.C. Max. C/W, (8'-0" Min. Between Heads)
●	Globe, Dry Pend.

- SCOPE OF WORK**
- **BASE BID:** REPLACE ALL SPRINKLER HEADS AND REDUCERS.
 - **BASE BID:** INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
 - **BASE BID:** PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

FIRE PROTECTION GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLERS HEADS IN THOSE ROOMS SHALL BE ALLOWED.
4. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

CONSTRUCTION KEY NOTES:

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.



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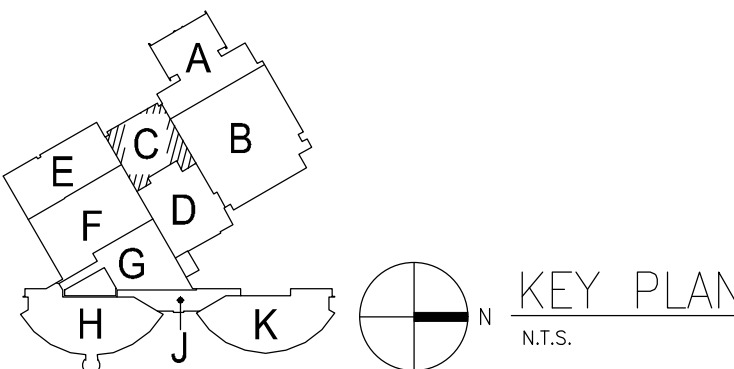


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PBA Project No: 2022.0415

PROJECT TITLE
**DEXTER HIGH SCHOOL
SPRINKLER
UPGRADES**

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
**FIRST LEVEL FIRE
PROTECTION PLAN -
ZONE C**



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: TLC

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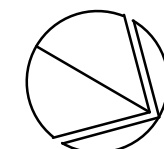
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PROJECT NO.

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DRAWING NO.

M1.1C



SCALE: 1/8" = 1' - 0"

Sprinkler Types	
Symbol	Description
⊗	Viking, Upright, Ext. Cov., Ord. Haz., 3/4" Thread, 5/8" Orifice, 11.4 K-factor, Brass
⊙	Reliable, Conc. Pend. Ext. Cov., 3/4" Thread, 11.4 K-Factor, White, 18"-0" x 18"-0" Max. Cov. (10"-8" Min. Between Heads)
⊗	Globe, Semi Rec. Pend., 1/2", 3/4", 1", 1 1/2" ORIF., UHT HAZ., WHITE, 20"-0" x 20"-0" Max. Cov. (8"-0" Min. Between Heads)
⊙	Globe, Dry Pend.

SCOPE OF WORK

- **BASE BID:** REPLACE ALL SPRINKLER HEADS AND REDUCERS.
- **BASE BID:** INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3" FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
- **BASE BID:** PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

FIRE PROTECTION GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED TO AVOID CONFLICTS. PROVIDE THE ADDED INFORMATION NEEDED THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, STEEL, MECHANICAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, CABLE TRAYS, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLER HEADS IN THOSE ROOMS SHALL BE ALLOWED.
4. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

 CONSTRUCTION KEY NOTES:

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.



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REGISTRATION SEAL

CONSULTANT



Peter Basso Associates Inc
CONSULTING ENGINEERS

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PBA Project No.: 2022.0416

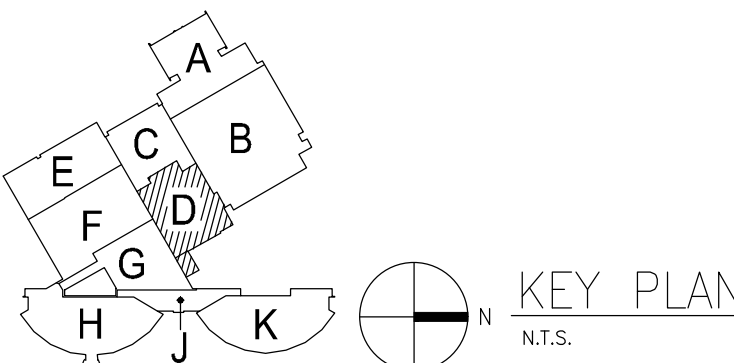
PROJECT TITLE

DEXTER HIGH SCHOOL SPRINKLER UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE

FIRST LEVEL FIRE
PROTECTION PLAN -
ZONE D



ISSUE DATES

[illegible]

05-25-2023 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN	TLC
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CHECKED ☒ SVM

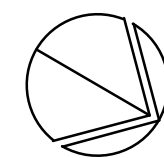
APPROVED **SWM**

PROJECT NO.

22070B

DRAWING NO.

M1.1D



SCALE: 1/8" = 1' - 0"

Symbol	Description
⊗	Viking, Upright, Ext. Cov. Ord. Haz., 3/4" Thread, 5/8" Orifice, 11.5 K-factor, White, 18" - 0" x 18" - 0" Max. Cov.
⊙	Reliable, Con. Pend. Ext. Cov., 3/4" Thread, 11.4 K-Factor, White, 18" - 0" x 18" - 0" Max. Cov. (between tie rods)
⊕	Globe, Semi Rec. Pend. 17/32" 3/4" 150, QUICK REEL, Ext. Cov., LHY Haz., 3/4" Thread, 11.4 K-Factor, White, 18" - 0" x 18" - 0" Max. Cov. (between tie rods)
⊖	Globe, Spherical, Stand. Cov., Ord. Haz., 1/2" Thread, 1/2" Orifice, 5.6 K-Factor, Brass
◁	Globe, Dry Spherical, Stand. Cov., Ord. Haz., 1/2" Thread, 1/2" Orifice, 5.6 K-Factor, Brass

- BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.

- **BASE BID:** PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL INFORMATION AND DETAILS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, STEEL TRUSS, LIGHT, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, CABLE TRAYS, HEAVY LIFT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLERS HEADS IN THOSE ROOMS SHALL BE ALLOWED.
4. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

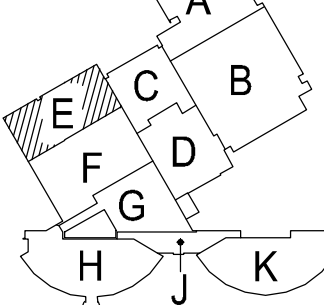
1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.

The logo for TWP Architecture features a stylized, bold, black 'TWP' monogram. The 'T' and 'W' are connected, and the 'P' is a large, thick, curved shape that loops around the right side of the monogram. Below the monogram, the word 'ARCHITECTURE' is written in a clean, black, sans-serif, all-caps font.

CONSULTANT

PROJECT TITLE
DEXTER HIGH
SCHOOL
SPRINKLER
UPGRADES

DRAWING TITLE
FIRST LEVEL FIRE
PROTECTION PLAN -
ZONE E

[illegible]

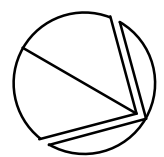
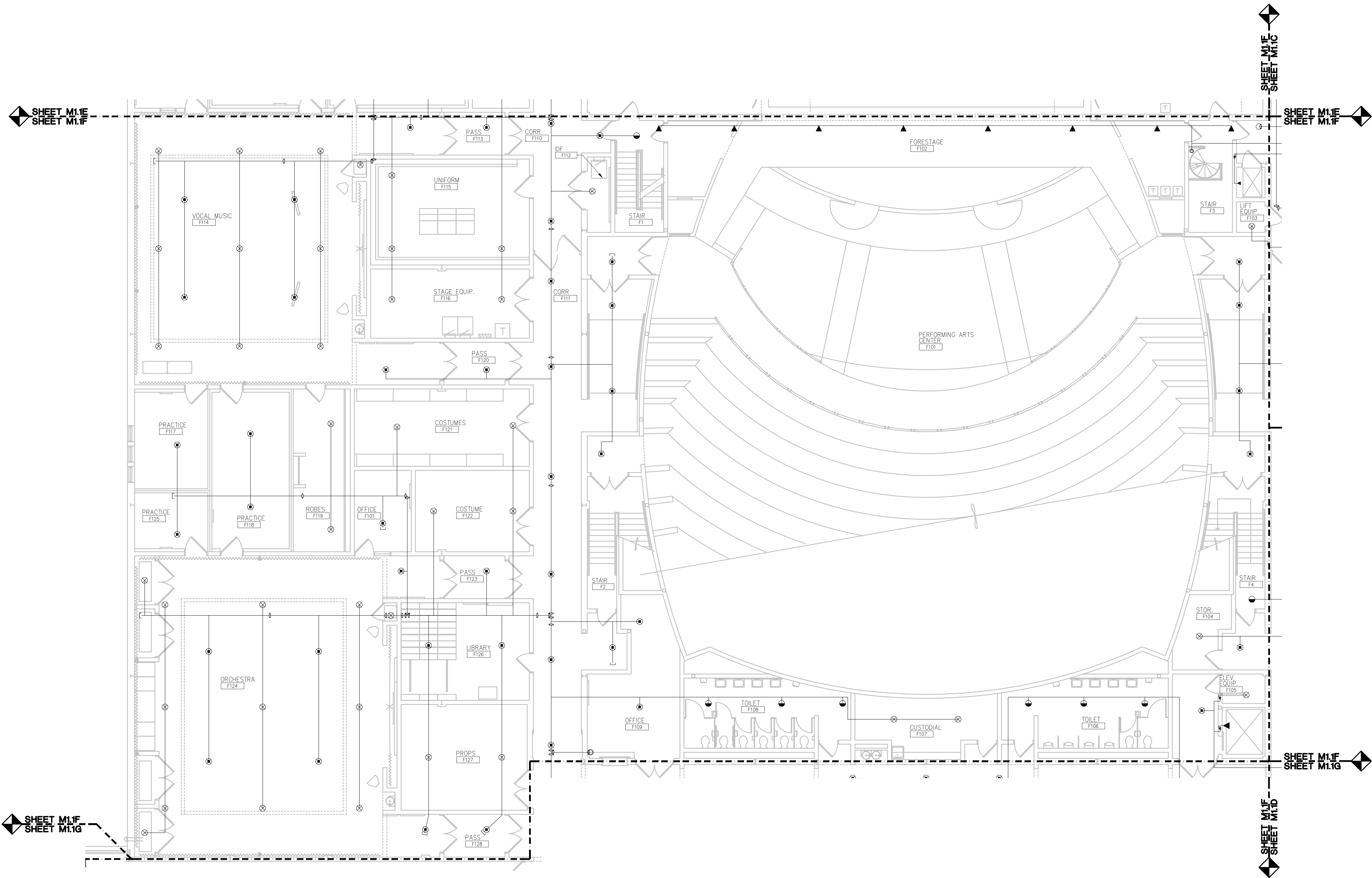
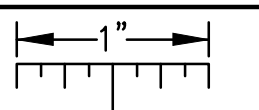
DATE: ISSUED FOR:

CHECKED **SVM**

22070B

M1.1E

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



FIRST LEVEL FIRE PROTECTION PLAN - ZONE F

SCALE: 1/8" = 1' - 0"

Sprinkler Types	
Symbol	Description
X	Wet, Upright, Std. Cov., 150°-180°, 3/4" Thread, 5/8" Office, 11.5 K-factor, White, 15°-30° Max. Dev.
K	Wet, Upright, Std. Cov., 150°-180°, 3/4" Thread, 11.5 K-factor, White, 15°-30° Max. Dev., 100°-180° Max. Between Heads
⊙	Wet, Upright, Std. Cov., 150°-180°, 3/4" Thread, 11.5 K-factor, White, 15°-30° Max. Dev., 100°-180° Max. Between Heads
◀	Wet, Upright, Std. Cov., 150°-180°, 3/4" Thread, 11.5 K-factor, White, 15°-30° Max. Dev., 100°-180° Max. Between Heads
◀	Wet, Upright, Std. Cov., 150°-180°, 3/4" Thread, 11.5 K-factor, White, 15°-30° Max. Dev., 100°-180° Max. Between Heads
◀	Wet, Upright, Std. Cov., 150°-180°, 3/4" Thread, 11.5 K-factor, White, 15°-30° Max. Dev., 100°-180° Max. Between Heads

- SCOPE OF WORK
- BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
 - BASE BID: INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
 - BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

FIRE PROTECTION GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLER HEADS IN THOSE ROOMS SHALL BE ALLOWED.
4. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

CONSTRUCTION KEY NOTES:

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.



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REGISTRATION SEAL

CONSULTANT

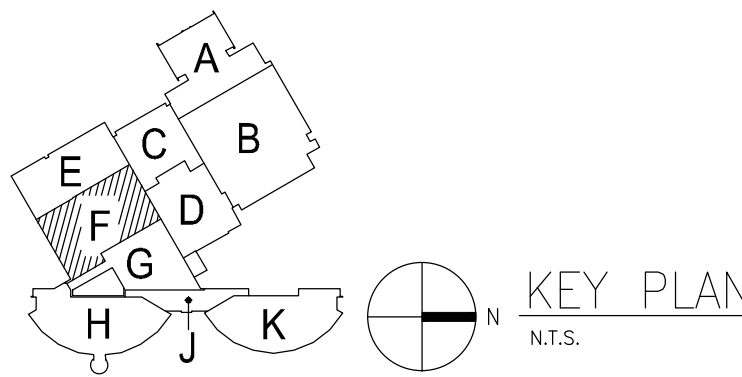


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www.PeterBassoAssociates.com
PBA Project No: 2022.0415

PROJECT TITLE
DEXTER HIGH SCHOOL
SPRINKLER
UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
FIRST LEVEL FIRE
PROTECTION PLAN -
ZONE F



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: TLC

CHECKED: SVM

APPROVED: SVM

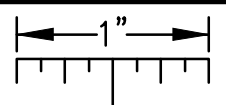
PROJECT NO.

22070B

DRAWING NO.

M1.1F

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



FIRE PROTECTION GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
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4. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

CONSTRUCTION KEY NOTES:

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.



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CONSULTANT



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www.PeterBassoAssociates.com
PBA Project No: 2022.0415

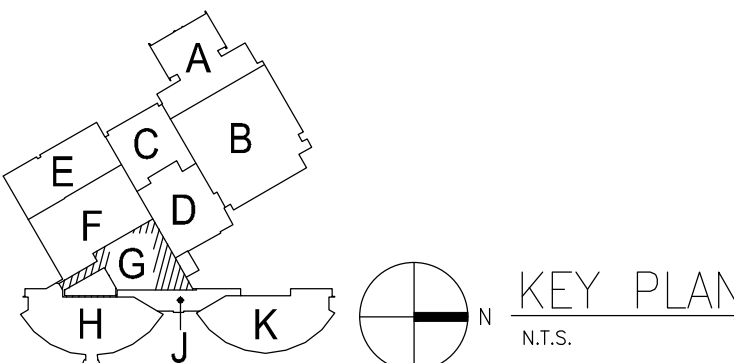
PROJECT TITLE

**DEXTER HIGH
SCHOOL
SPRINKLER
UPGRADES**

**DEXTER COMMUNITY
SCHOOLS**

DRAWING TITLE

**FIRST LEVEL FIRE
PROTECTION PLAN -
ZONE G**



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

DRAWN: TLC

CHECKED: SVM

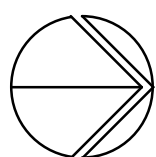
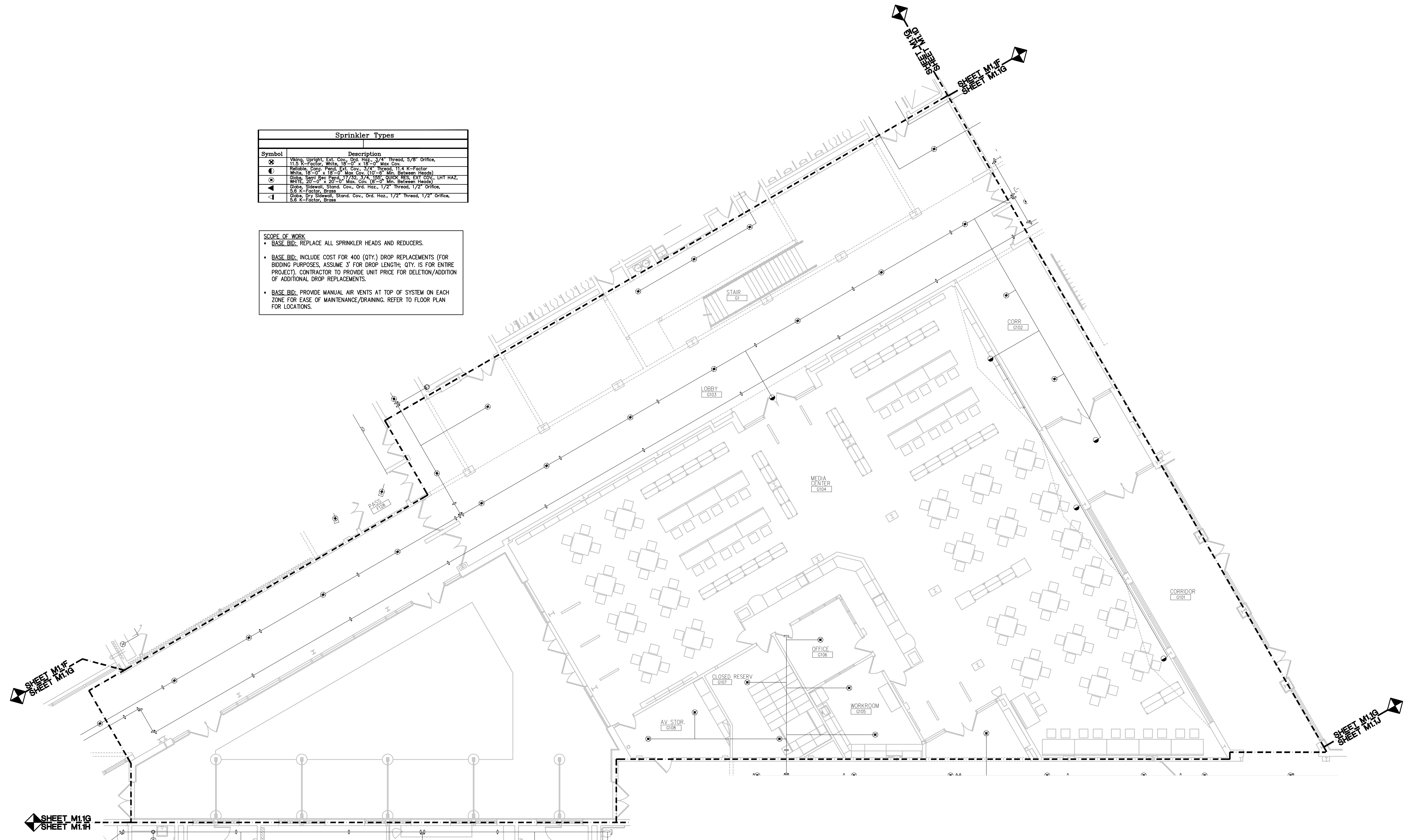
APPROVED: SVM

PROJECT NO.

22070B

DRAWING NO.

M1.1G



FIRST LEVEL FIRE PROTECTION PLAN - ZONE G
SCALE: 1/8" = 1' - 0"



REGISTRATION SEAL

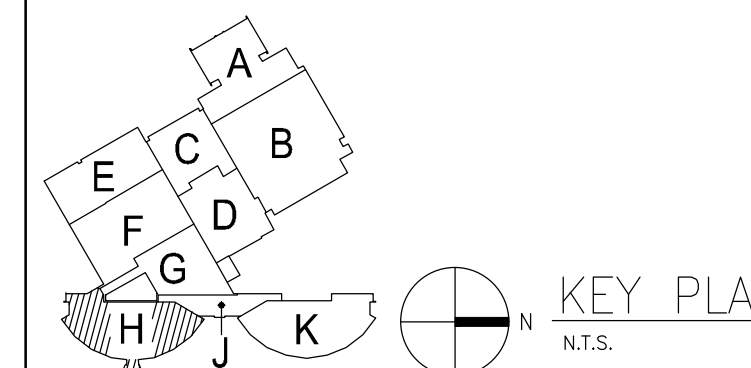
CONSULTANT



PROJECT TITLE
DEXTER HIGH
SCHOOL
SPRINKLER
UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
FIRST LEVEL FIRE
PROTECTION PLAN -
ZONE H



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

DATE:	ISSUED FOR
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DRAWN	TLC
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CHECKED SVM

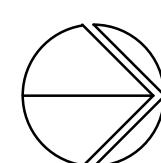
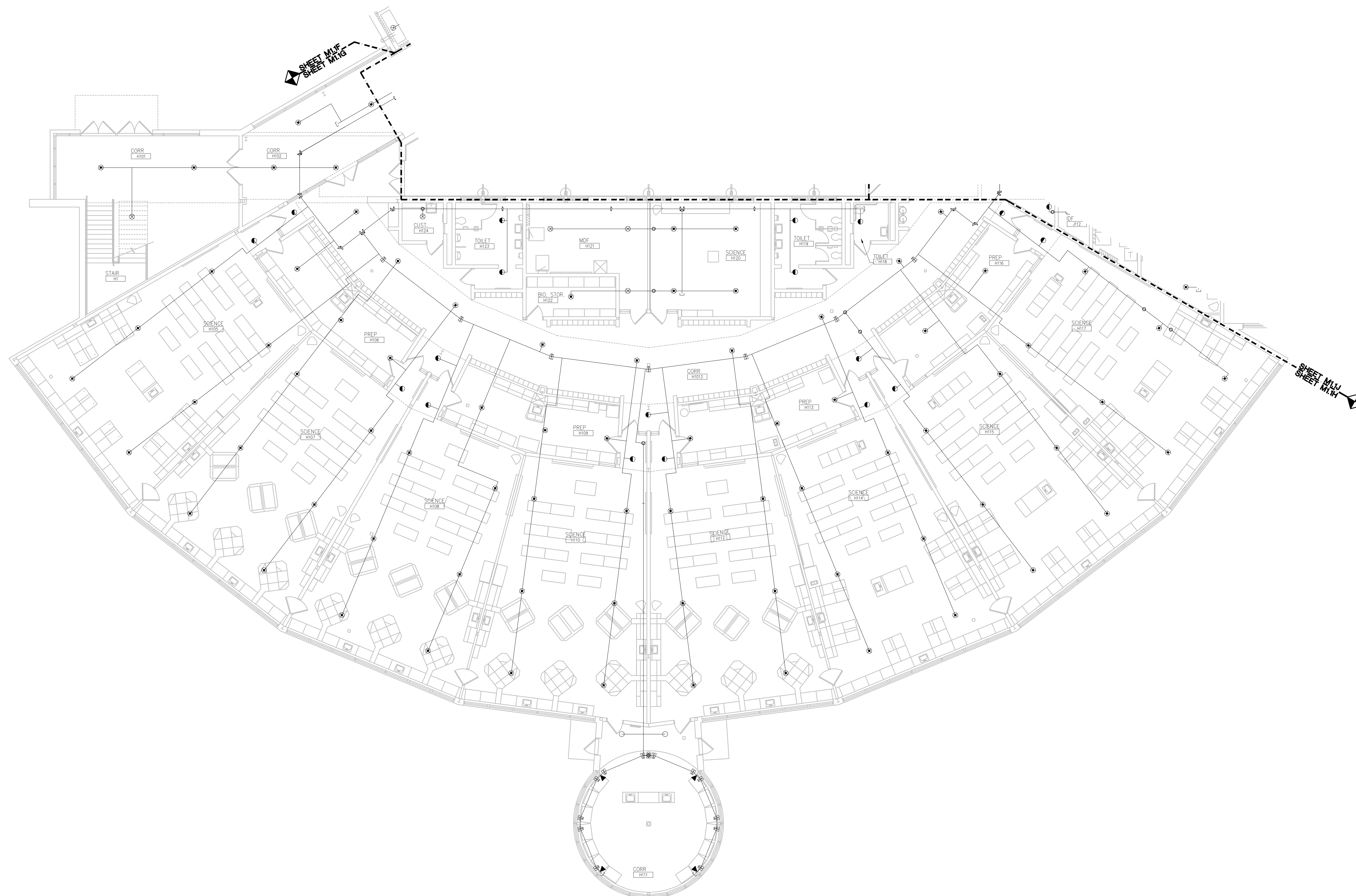
APPROVED SVM

PROJECT NO.

22070B

DRAWING NO.

M1.1H



FIRST LEVEL
SCALE: 1/8" = 1' - 0"

GENERAL AND KEYED NOTES: SEE SHEET M1.1G

Sprinkler	
Symbol	Description
☒	Orifice, Upright, Ext. Cov., Q _g H ₂ O, 3/4" Thread, 5/8" Orifice, 155° 1.5-K Factor, White, 1.5 x 1.5 Max Con.
☒	Reliable, Con. Pencil Jet, Con. 3/4" Thread, 1 1/4 K-Factor, 168° White, 12" L ₁ 12" L ₂ 12" Max H ₂ O, 110°-P. Min. Between Heads
☒	Orifice, Semi Pend, 17/32" 3/4" 155° (Quick Res. Ext. Cov., LH1 HAZ, 155° WHITE, 20" or 22" P. Max Con., 10" or 12" Min. Between Heads)
◀	YKING, SIDEWALL, STAIN, COV, LIGHT HAZ, 1/2" Thread, 1/2" Orifice, 182° 3.5-K Factor, White
◀	YKING, BRASS UPRIGHT, STANDARD RESPONSE, 1/2" Thread, 1/2" Orifice, 155°

SCOPE OF WORK

- **SCOPE OF WORK**
- **BASE BID:** REPLACE ALL SPRINKLER HEADS AND REDUCERS.
- **BASE BID:** INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
- **BASE BID:** PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

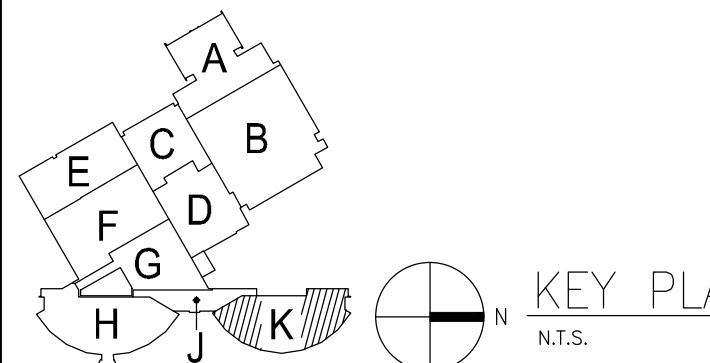


REGISTRATION SEAL

CONSULTANT

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
FIRST LEVEL FIRE
PROTECTION PLAN -
ZONE K



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

DATE:	ISSUED FOR
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DRAWN	TLC
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CHECKED SVM

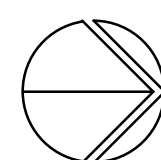
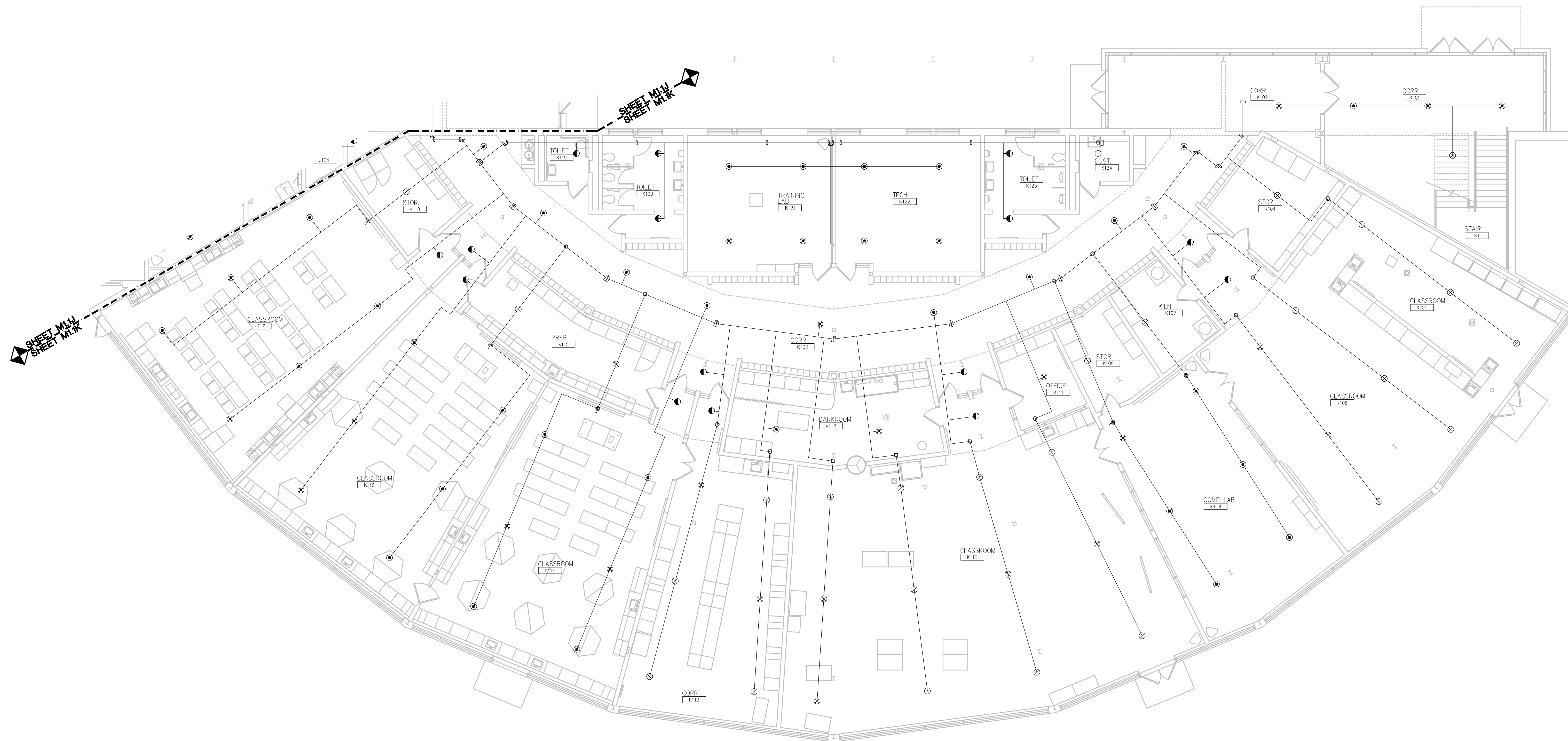
APPROVED SVM

PROJECT NO.

22070B

DRAWING NO.

M1.1K



FIRST LEVEL FIRE PROTECTION PLAN - ZONE K

SCALE: 1/8" = 1' - 0"

GENERAL AND KEYED NOTES: SEE SHEET M1.1G

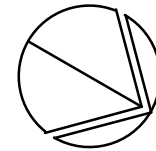
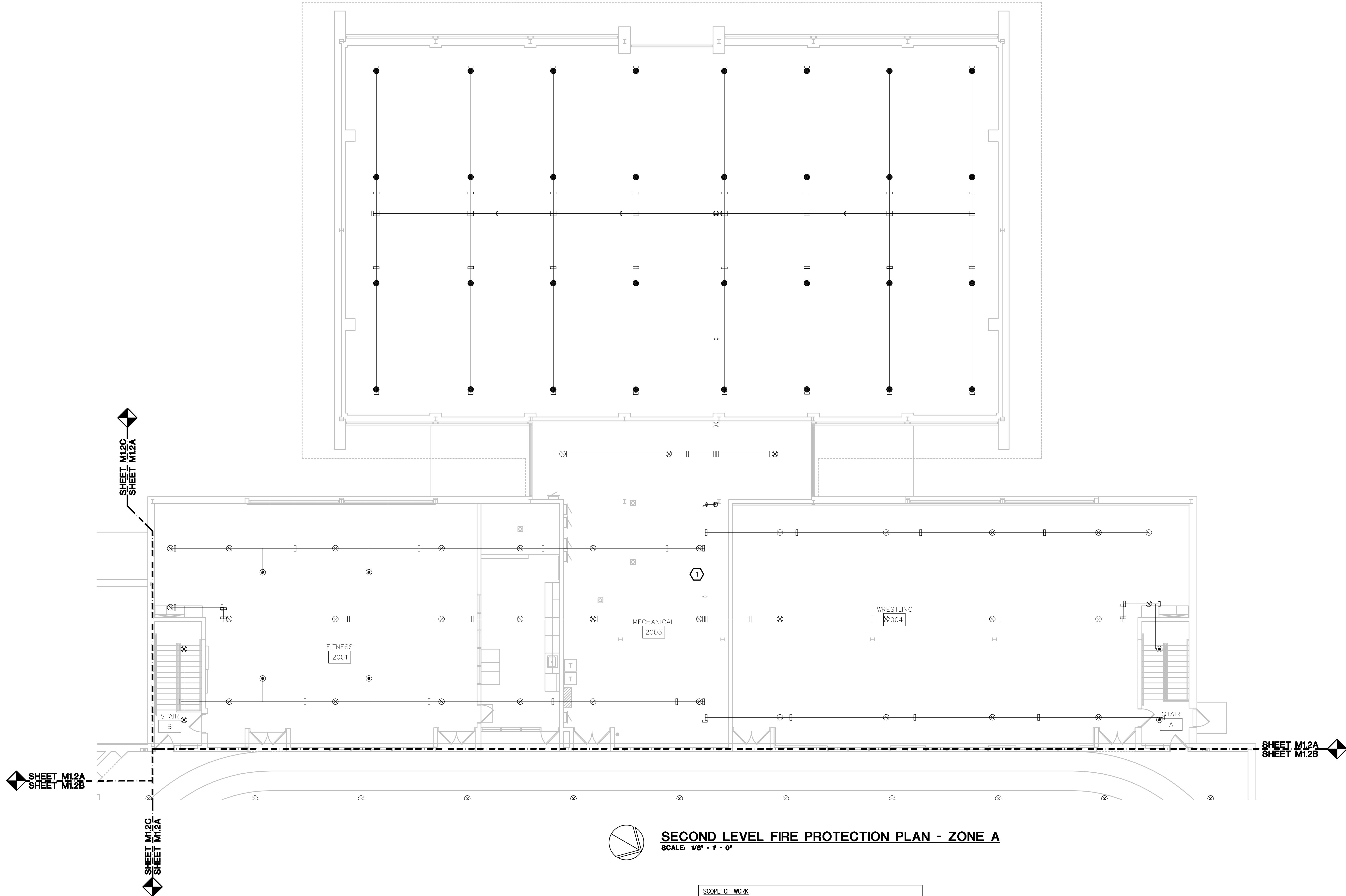
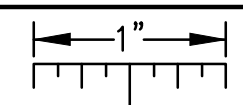
Sprinkler Types	
Symbol	Description
	Globe, Upright, Ext. Cov., Spr. Hoz., 3/4\"/>
	11.5 K-Factor, White, 18\"/>
	Reliable, Conc. Pend. Ext. Cov., 3/4\"/>
	Globe, Semi Rec Pend, 17/32\"/>
	White, 18\"/>

SCOPE OF WORK

- SCOPE OF WORK**
- **BASE BID:** REPLACE ALL SPRINKLER HEADS AND REDUCERS.
 - **BASE BID:** INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3" FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
 - **BASE BID:** PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

g:\2022\2022-0416-00\CAO\2022-0416-M1-FP2.dwg, M1.2A, 5/23/2023 9:46:06 AM, Dominic P. Mocerí, None, 0.12327, Peter Basso Associates Inc.

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



SECOND LEVEL FIRE PROTECTION PLAN - ZONE A

SCALE: 1/8" = 1' - 0"

- SCOPE OF WORK**
- BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
 - BASE BID: INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH, QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
 - BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

Sprinkler Types	
Symbol	Description
⊗	Wet, Upright, Exit, Co., Del. Haz., 3/4" Thread, 5/8" Orifice, 11.5 K, Factory, White, 10' - 15' Max. Drop
●	Wet, Recessed Upright, Exit, Co., Del. Haz., 3/4" Thread, 5/8" Orifice, 11.5 K, Factory, White, 10' - 15' Max. Drop
⊙	Wet, Recessed Upright, Exit, Co., Del. Haz., 3/4" Thread, 5/8" Orifice, 11.5 K, Factory, White, 10' - 15' Max. Drop
⊗	Wet, Recessed Upright, Exit, Co., Del. Haz., 3/4" Thread, 5/8" Orifice, 11.5 K, Factory, White, 10' - 15' Max. Drop

FIRE PROTECTION GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLER HEADS IN THOSE ROOMS SHALL BE ALLOWED.
4. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

CONSTRUCTION KEY NOTES:

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.



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REGISTRATION SEAL

CONSULTANT



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www.PeterBassoAssociates.com
PBA Project No: 2022.0415

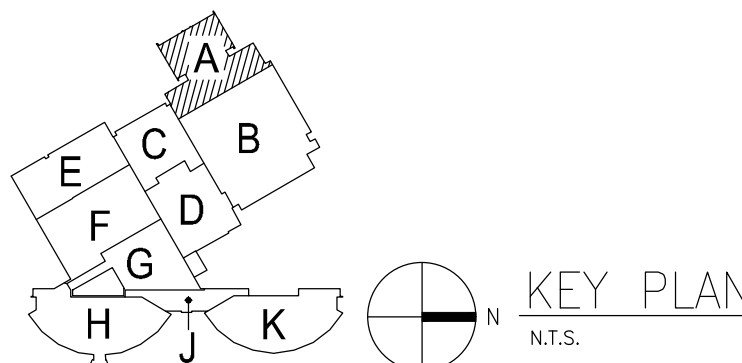
PROJECT TITLE

DEXTER HIGH
SCHOOL
SPRINKLER
UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE

SECOND LEVEL FIRE
PROTECTION PLAN -
ZONE A



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

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APPROVED: SVM

PROJECT NO.

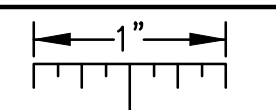
22070B

DRAWING NO.

M1.2A

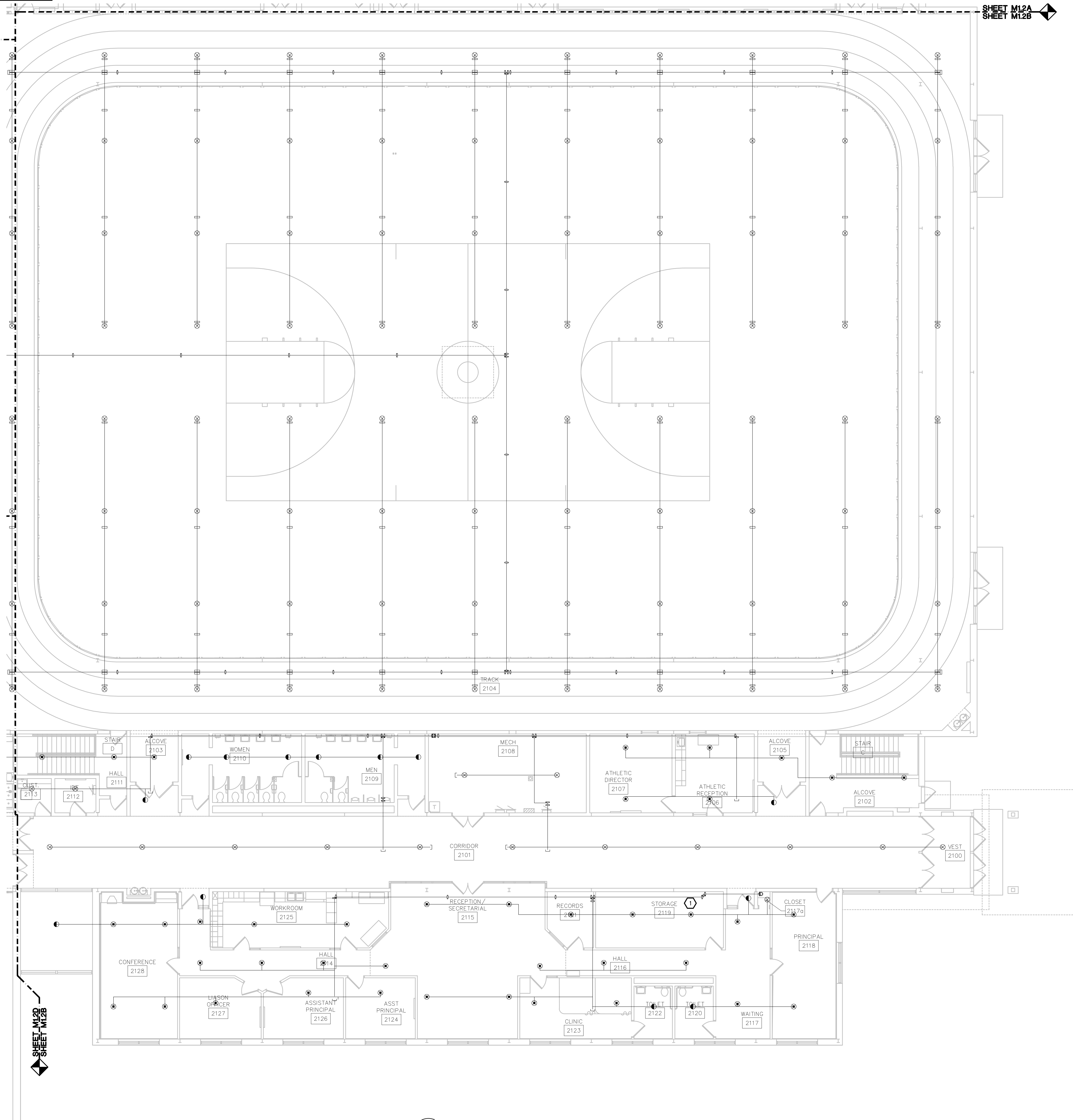
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THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



SHEET M1.2A
SHEET M1.2B

SHEET M1.2A
SHEET M1.2B



FIRE PROTECTION GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLERS HEADS IN THOSE ROOMS SHALL BE ALLOWED.
4. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

CONSTRUCTION KEY NOTES:

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.

- SCOPE OF WORK**
- BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
 - BASE BID: INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
 - BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

Sprinkler Types	
Symbol	Description
☒	Upright, Upright, Evt. Cov., 1/2" NPS, 1/4" Thread, 5/8" Office, 11.5 K-Factor, White, 18"-0" x 18"-0" Max. Cov.
⊙	Upright, Upright, Evt. Cov., 1/2" NPS, 1/4" Thread, 11.4 K-Factor, White, 18"-0" x 18"-0" Max. Cov., (10'-0" Min. Between Heads)
⊙	Upright, Upright, Evt. Cov., 1/2" NPS, 1/4" Thread, 11.4 K-Factor, White, 20'-0" x 20'-0" Max. Cov., (8'-0" Min. Between Heads)



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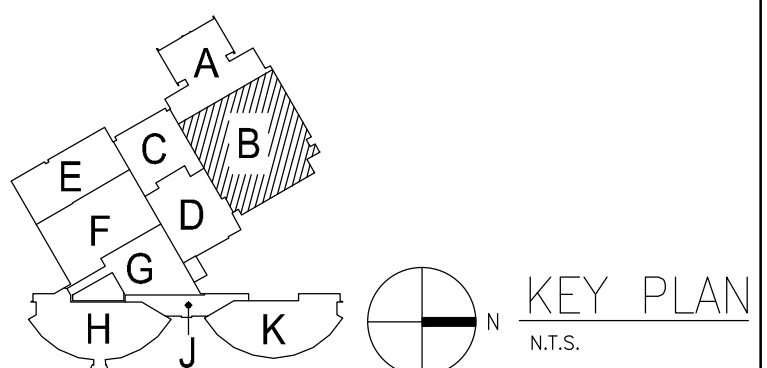


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Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No: 2022.0415

PROJECT TITLE
**DEXTER HIGH
SCHOOL
SPRINKLER
UPGRADES**

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
**SECOND LEVEL FIRE
PROTECTION PLAN -
ZONE B**



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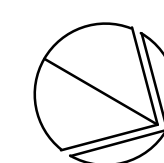
APPROVED: SVM

PROJECT NO.

22070B

DRAWING NO.

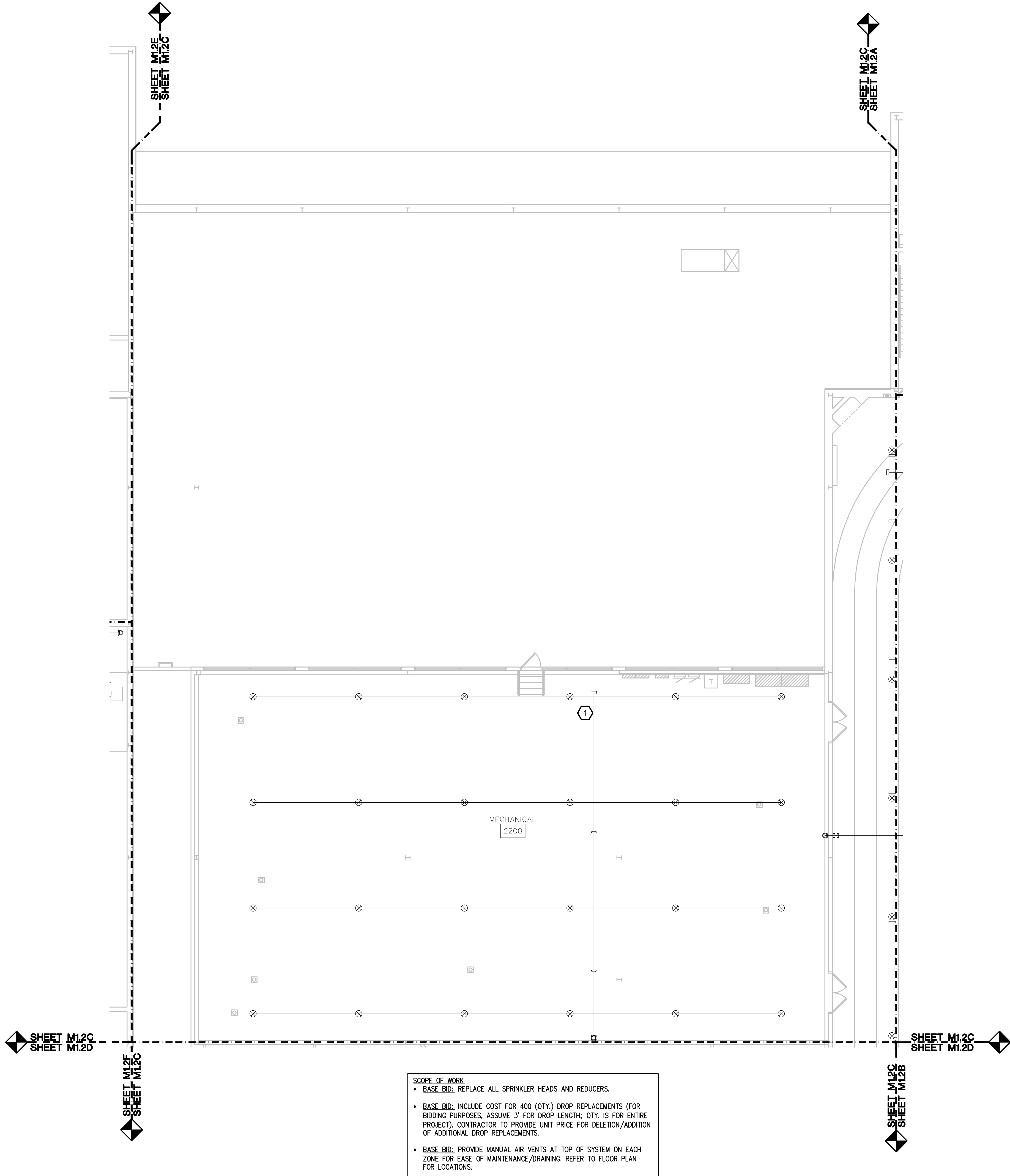
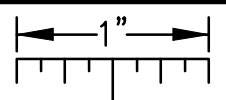
M1.2B



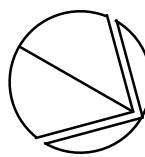
SECOND LEVEL FIRE PROTECTION PLAN - ZONE B
SCALE: 1/8" = 1'-0"

g:\2022\2022-0416-00\CA0\2022-0416-M1-FP2.dwg, M1.2C, 5/23/2023 9:46:08 AM, Dominic P. Mocerì, None, 0.12327, Peter Basso Associates Inc.

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



SCOPE OF WORK
• BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
• BASE BID: INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
• BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.



SECOND LEVEL FIRE PROTECTION PLAN - ZONE C

SCALE: 1/8" = 1' - 0"

Sprinkler Types	
Symbol	Description
⊗	Wing, Upright, Ext. Cov., Ord. Hdz., 3/4" Thread, 5/8" Orifice, 17.5 K-Radiant, Brass
⊙	Globe, Semi-Ret. Pres., 17/32, 3/4, .85", QUICK RES. EXT. COV., LHT HAZ. MINT. 20'-0" x 20'-0" Max. Cov. (2'-0" Min. between heads)

FIRE PROTECTION GENERAL NOTES:

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- INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLERS HEADS IN THOSE ROOMS SHALL BE ALLOWED.
- PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

CONSTRUCTION KEY NOTES:

- PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.



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PBA Project No: 2022.0415

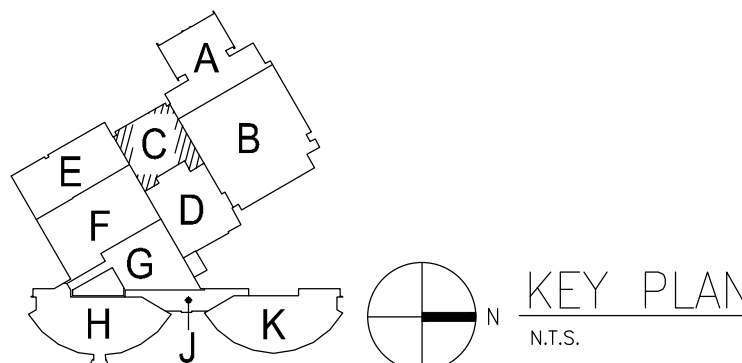
PROJECT TITLE

DEXTER HIGH
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SPRINKLER
UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE

SECOND LEVEL FIRE
PROTECTION PLAN -
ZONE C



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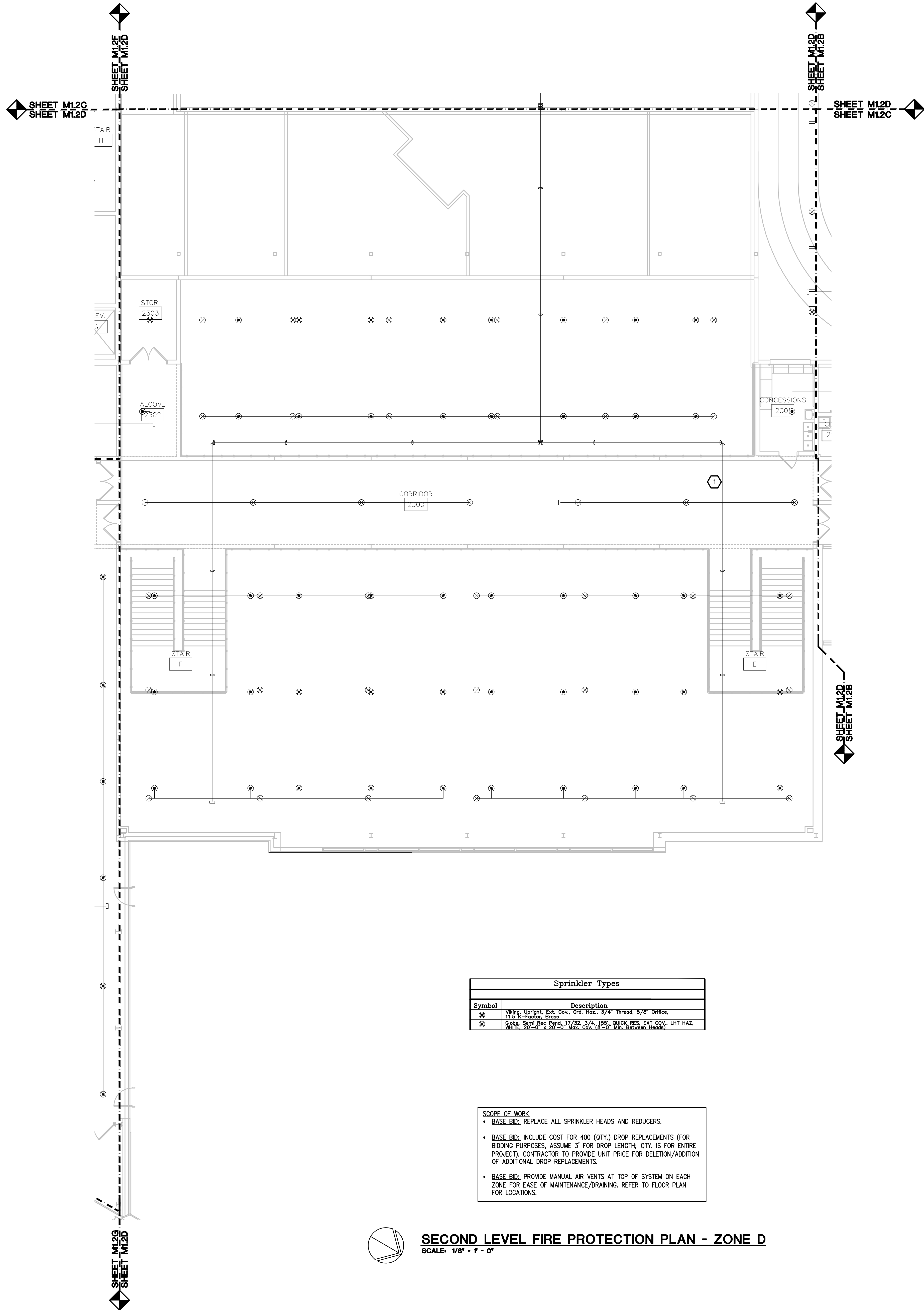
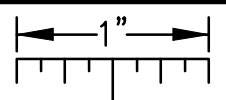
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DRAWING NO.

M1.2C

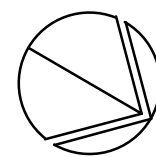
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THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



Sprinkler Types	
Symbol	Description
⊗	Wet, Upright, Ext. Cov., Grd. Haz., 3/4" Thread, 5/8" Orifice, 11.2 G. Rating, Brass
⊙	Globe, Semi-Ret. Pend., 17/32, 3/4, 1.5", Quick Res., Ext. Cov., LHT Haz., 10.5 G. Rating, 1.20" Min. Spacing, 16" Min. Between Heads

SCOPE OF WORK
• BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
• BASE BID: INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
• BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.



SECOND LEVEL FIRE PROTECTION PLAN - ZONE D

SCALE: 1/8" = 1' - 0"

FIRE PROTECTION GENERAL NOTES:

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- INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLERS HEADS IN THOSE ROOMS SHALL BE ALLOWED.
- PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

CONSTRUCTION KEY NOTES:

- PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.



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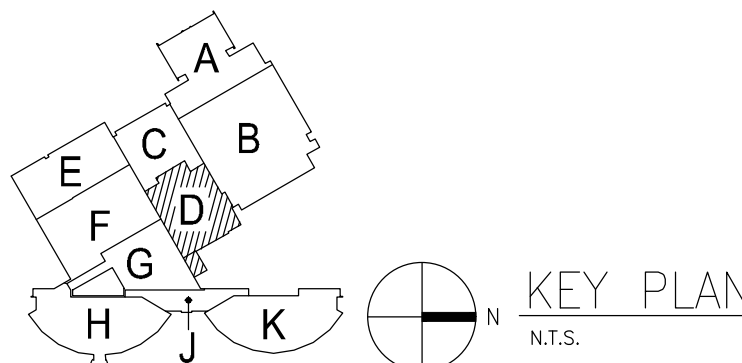


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PBA Project No: 2022.0415

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PROTECTION PLAN -
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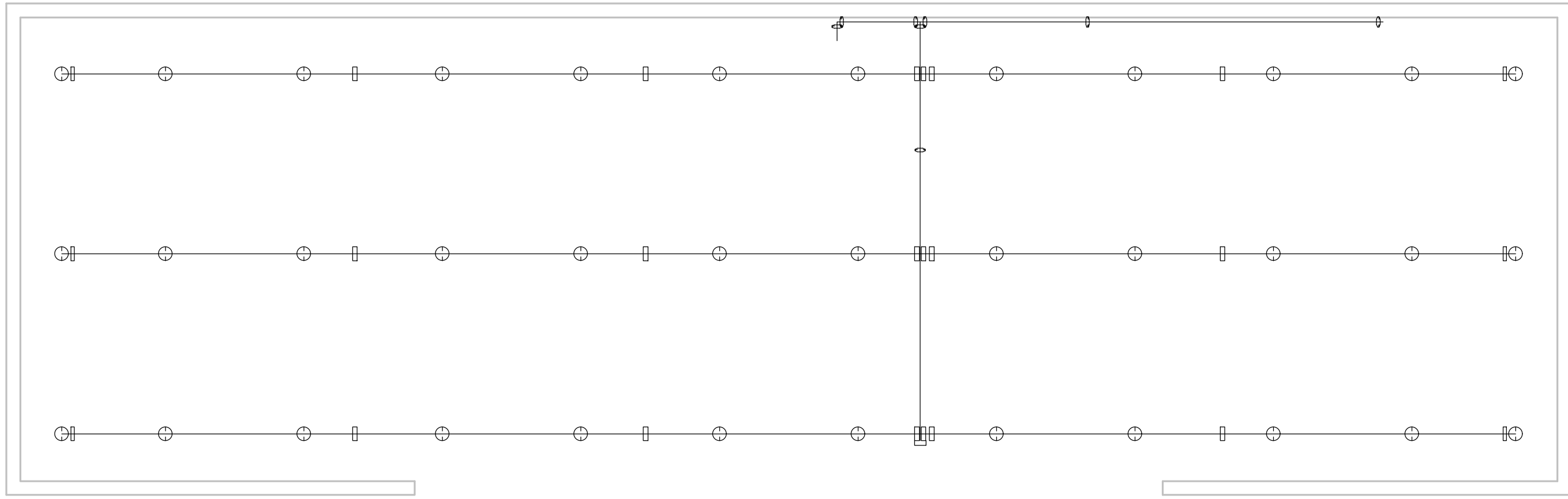
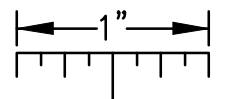
PROJECT NO.

22070B

DRAWING NO.

M1.2D

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.

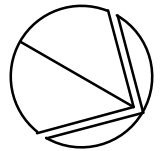
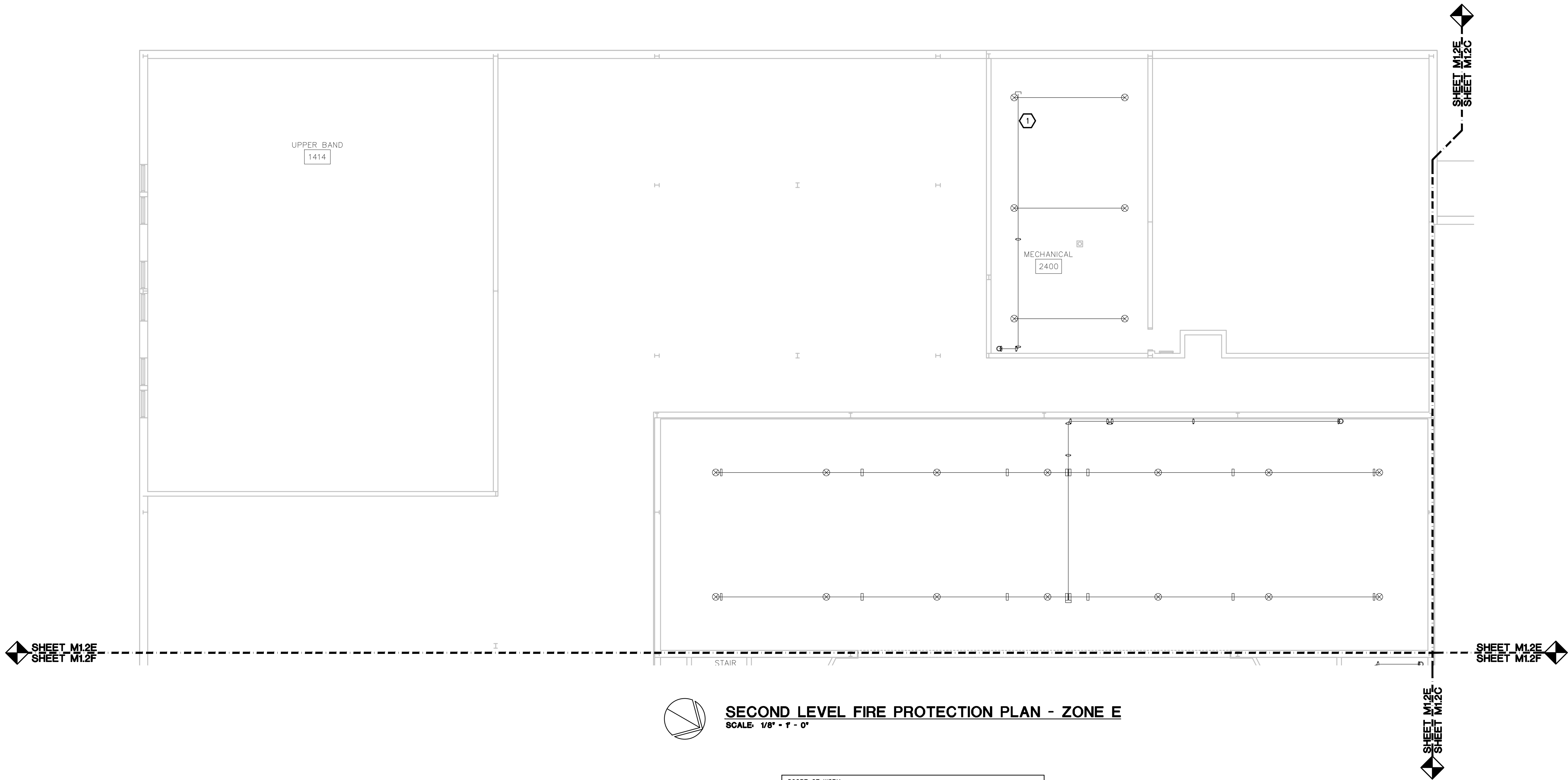


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CONSTRUCTION KEY NOTES:

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.



SECOND LEVEL FIRE PROTECTION PLAN - ZONE E
SCALE: 1/8" = 1' - 0"

- SCOPE OF WORK
- BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
 - BASE BID: INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
 - BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

Sprinkler Types	
Symbol	Description
⊗	Wing Upright, Ext. Co., Std. Hgt., 3/4" Thread, 5/8" Orifice, 11.5 K-Factor, Brass, 18" or 24" Max. Cdn.
⊙	Reliable, Pop., Pres. Ext. Co., 3/4" Thread, 11.4 K-Factor, White, 18" or 24" Max. Cdn. (10'-0" Min. Between Heads)
⊕	Globe, Semi-Pec. Pres., 1/2" or 3/4" IPS, Quick Res., Ext. Co., UHT HAZ, White, 20" or 24" Max. Cdn. (18'-0" Min. Between Heads)
⊖	Globe, Intermediate Level Upright, 1/2" Thread, 1/2" Orifice, 155', Stand. Co., Std. Hgt., Brass, 8.0 K-Factor



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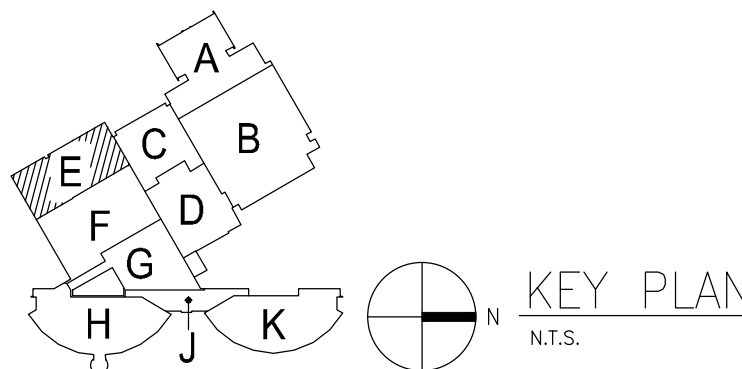


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PBA Project No.: 2022.0415

PROJECT TITLE
DEXTER HIGH SCHOOL
SPRINKLER
UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
SECOND LEVEL FIRE
PROTECTION PLAN -
ZONE E



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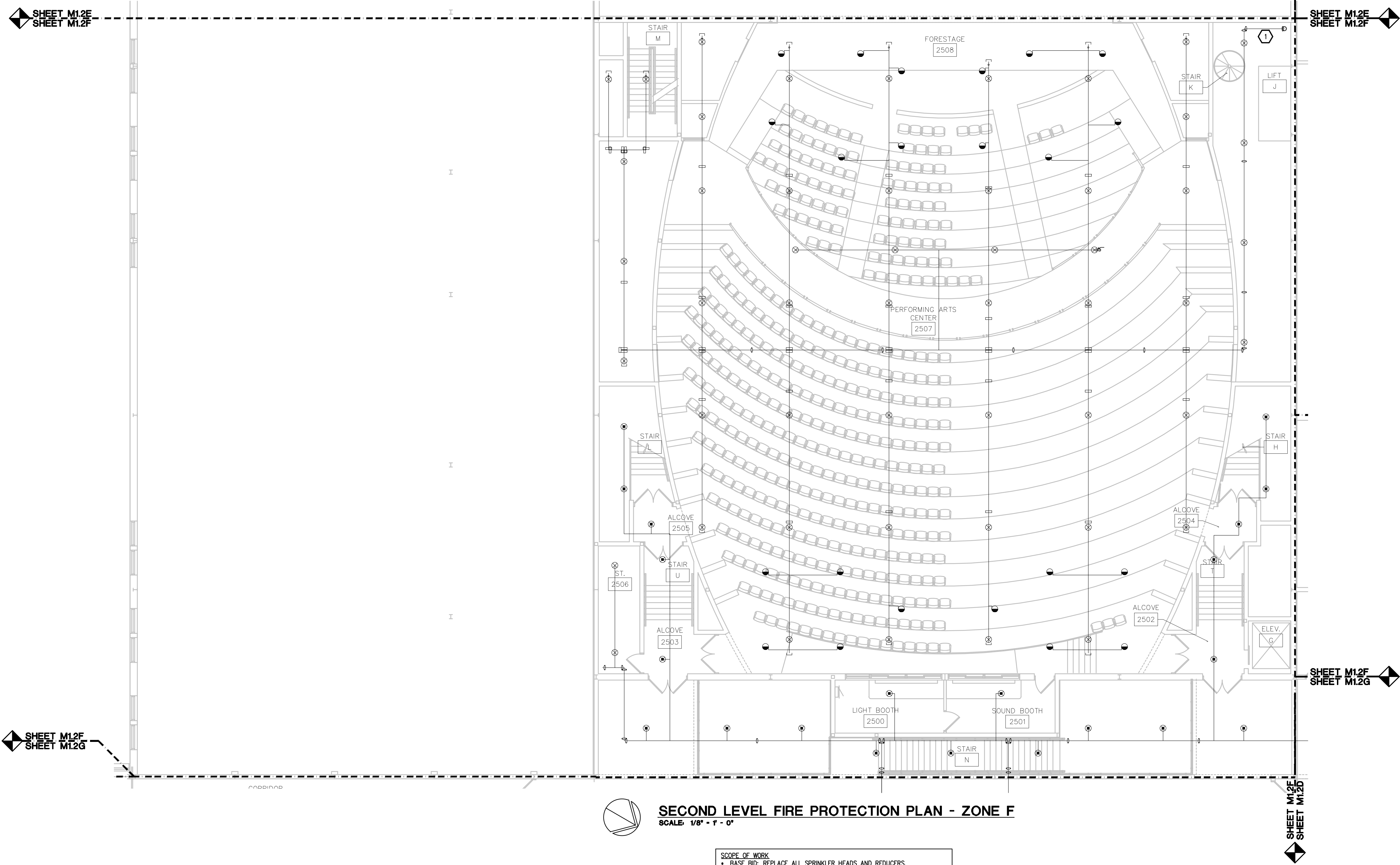
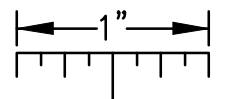
PROJECT NO.

22070B

DRAWING NO.

M1.2E

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



SECOND LEVEL FIRE PROTECTION PLAN - ZONE F
SCALE: 1/8" = 1' = 0"

- SCOPE OF WORK
- BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
 - BASE BID: INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
 - BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

Sprinkler Types	
Symbol	Description
☒	Wet, upright, ext. temp., 150° F, 1/2" thread, 5/8" orifice, 11.5 K-factor, brass, 18" x 18" Min. Conn.
⦿	Wet, upright, ext. temp., 150° F, 1/2" thread, 1.4 K-factor, 18" x 18" x 18" Min. Conn., 11.5 K-factor, 18" x 18" Min. Between Heads
⦿	Wet, upright, ext. temp., 150° F, 1/2" thread, 1.4 K-factor, 18" x 18" Min. Between Heads
⦿	Wet, upright, ext. temp., 150° F, 1/2" thread, 1.4 K-factor, 18" x 18" Min. Between Heads
⦿	Wet, upright, ext. temp., 150° F, 1/2" thread, 1.4 K-factor, 18" x 18" Min. Between Heads
⦿	Wet, upright, ext. temp., 150° F, 1/2" thread, 1.4 K-factor, 18" x 18" Min. Between Heads
⦿	Wet, upright, ext. temp., 150° F, 1/2" thread, 1.4 K-factor, 18" x 18" Min. Between Heads
⦿	Wet, upright, ext. temp., 150° F, 1/2" thread, 1.4 K-factor, 18" x 18" Min. Between Heads
⦿	Wet, upright, ext. temp., 150° F, 1/2" thread, 1.4 K-factor, 18" x 18" Min. Between Heads
⦿	Wet, upright, ext. temp., 150° F, 1/2" thread, 1.4 K-factor, 18" x 18" Min. Between Heads

FIRE PROTECTION GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
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CONSTRUCTION KEY NOTES:

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.



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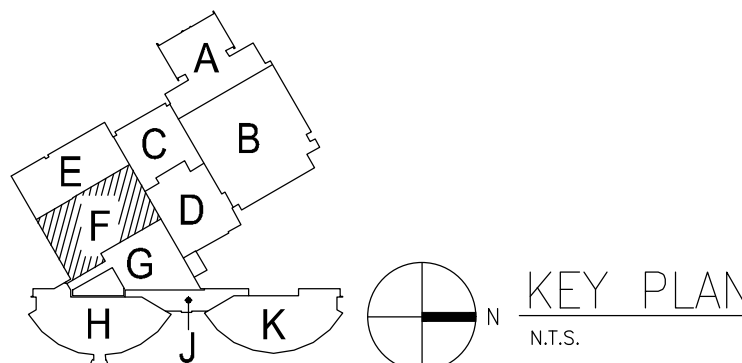
PROJECT TITLE

DEXTER HIGH
SCHOOL
SPRINKLER
UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE

SECOND LEVEL FIRE
PROTECTION PLAN -
ZONE F



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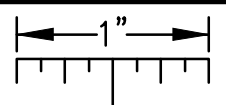
PROJECT NO.

22070B

DRAWING NO.

M1.2F

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



FIRE PROTECTION GENERAL NOTES:

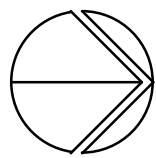
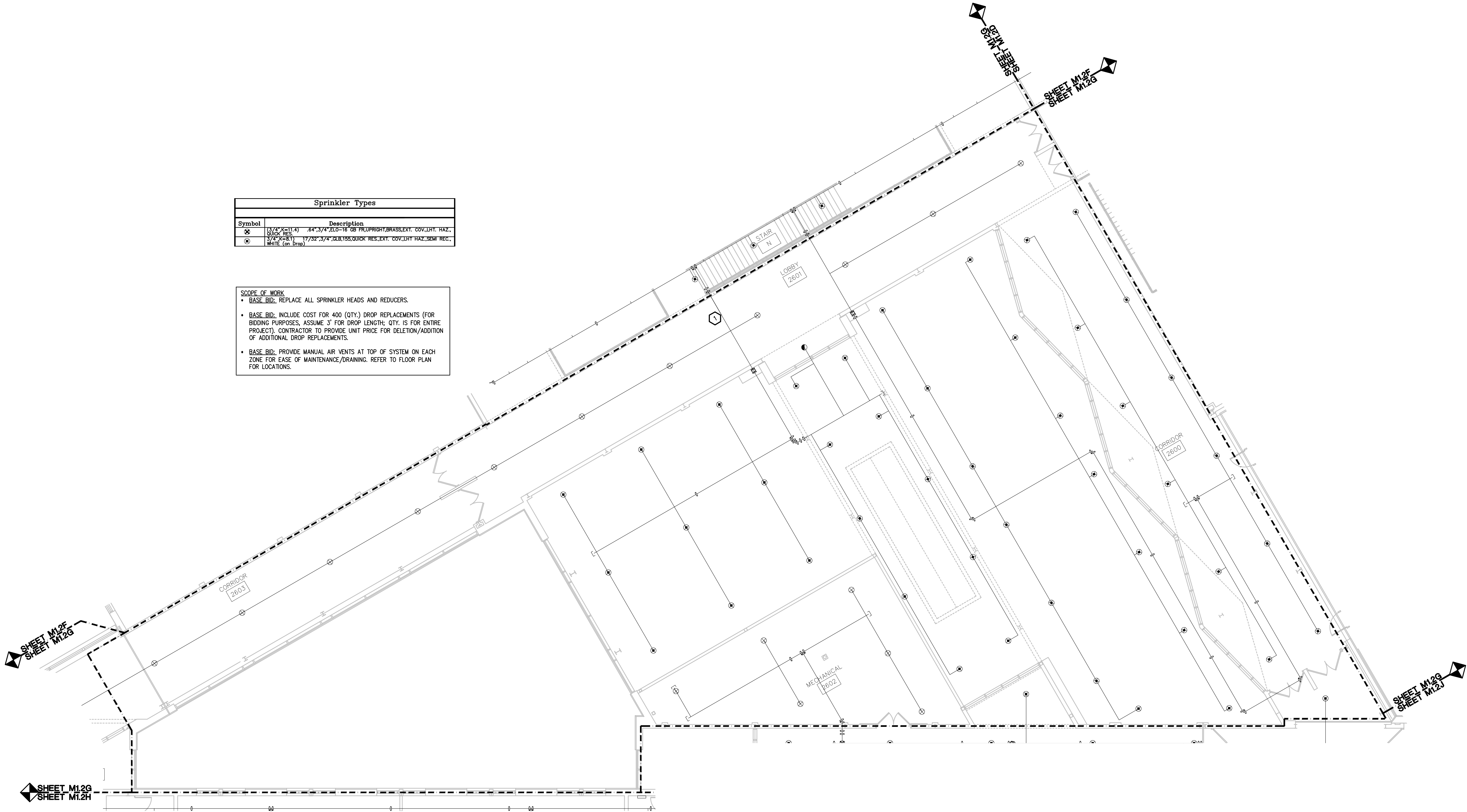
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2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. NO SPRINKLER PIPING SHALL BE ROUTED THROUGH ELECTRICAL EQUIPMENT ROOMS, TELECOMMUNICATION EQUIPMENT ROOMS, ELEVATOR EQUIPMENT ROOMS OR SIMILAR ROOMS. ONLY SPRINKLER PIPING SERVING SPRINKLERS HEADS IN THOSE ROOMS SHALL BE ALLOWED.
4. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.

CONSTRUCTION KEY NOTES:

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.

Sprinkler Types	
Symbol	Description
☒	1/2" X=11.4" .64" 3/4" 150" 18" 58" TRUPRIGHYBRASS EXT. COV. LHT. HAZ. SMOKE RES.
⊙	3/4" X=8.5" 17/32" 3/4" .068 155" 0.008" RES. EXT. COV. LHT. HAZ. SEMI REC. WHITE (on Drop)

SCOPE OF WORK
• BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
• BASE BID: INCLUDE COST FOR 400 (QTY) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
• BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.



SECOND LEVEL FIRE PROTECTION PLAN - ZONE G
SCALE: 1/8" = 1' - 0"



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REGISTRATION SEAL

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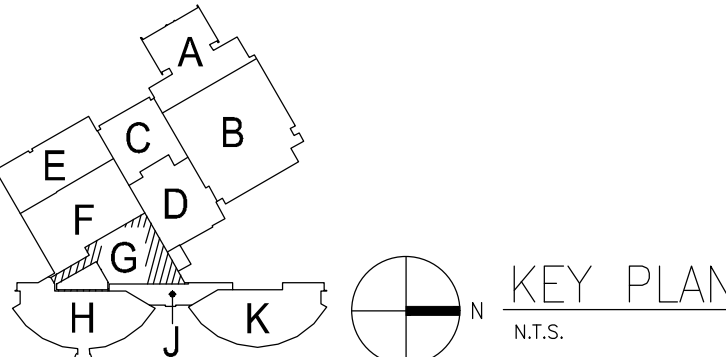


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PBA Project No: 2022.0415

PROJECT TITLE
**DEXTER HIGH SCHOOL
SPRINKLER
UPGRADES**

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
**SECOND LEVEL FIRE
PROTECTION PLAN -
ZONE G**



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

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CHECKED: SVM

APPROVED: SVM

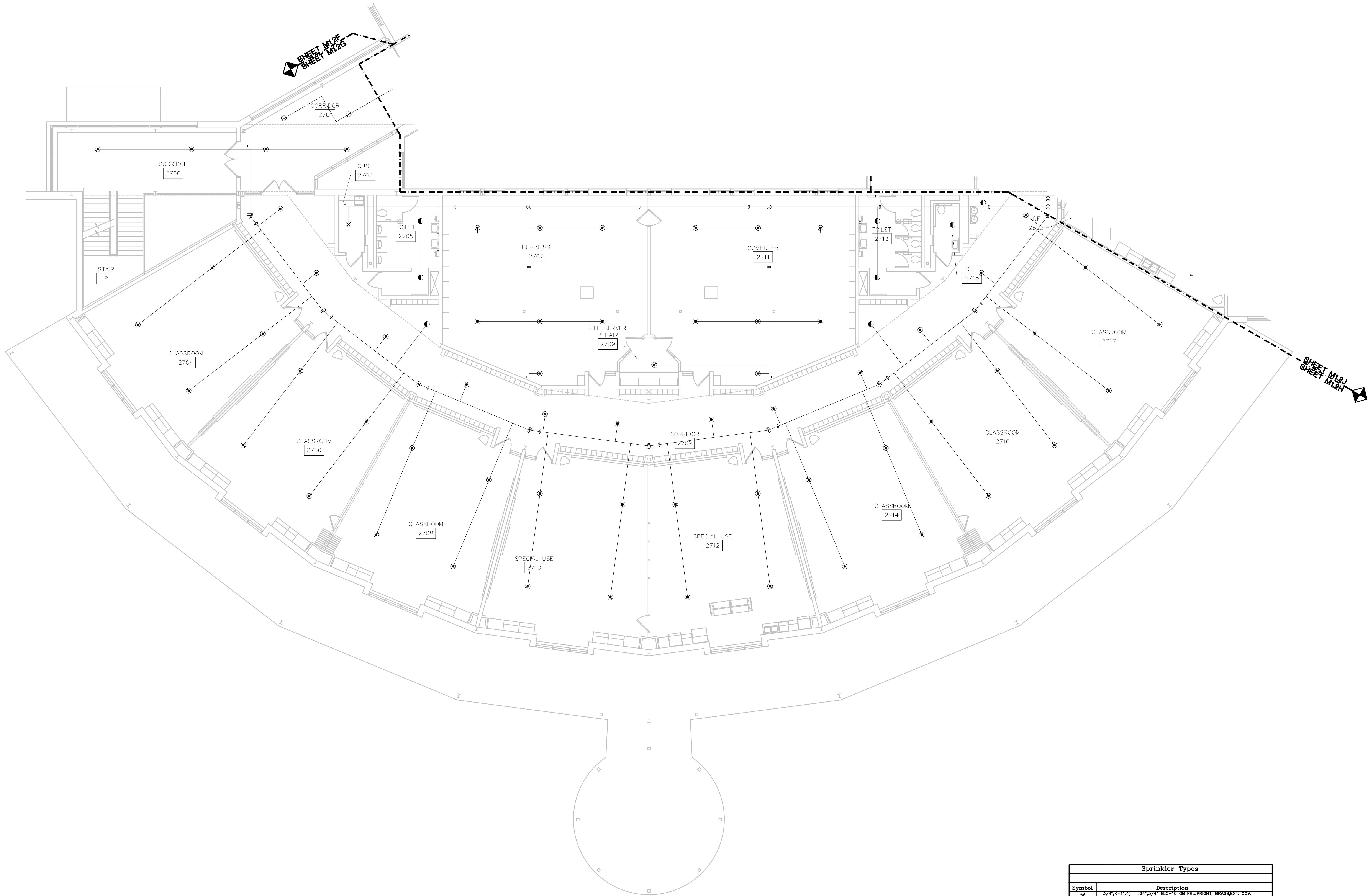
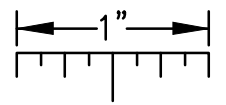
PROJECT NO.

22070B

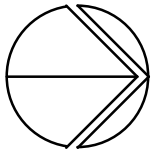
DRAWING NO.

M1.2G

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



Sprinkler Types	
Symbol	Description
☼	3/4" K-11.2K 64" 3/4" ELO-16 GB FRUPRHT, BRASS EXT. COV.
☼	1/4" HAZ. QUICK RES. (or DRO)
☼	3/4" K-11.2K 64" 3/4" ELO-16 GB FRUPRHT, BRASS EXT. COV.
☼	1/4" HAZ. QUICK RES. (or DRO)
☼	3/4" K-11.2K 64" 3/4" ELO-16 GB FRUPRHT, BRASS EXT. COV.
☼	1/4" HAZ. QUICK RES. (or DRO)



SECOND LEVEL FIRE PROTECTION PLAN - ZONE H
SCALE: 1/8" = 1' - 0"
GENERAL AND KEYED NOTES: SEE SHEET M1.2G

- SCOPE OF WORK**
- BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
 - BASE BID: INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
 - BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.



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REGISTRATION SEAL

CONSULTANT

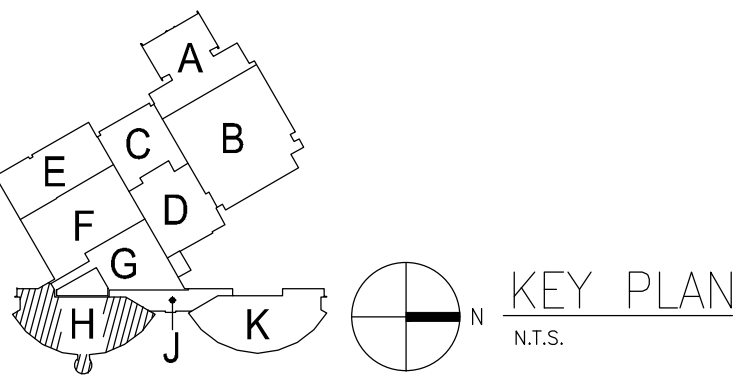


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PBA Project No: 2022.0415

PROJECT TITLE
**DEXTER HIGH SCHOOL
SPRINKLER
UPGRADES**

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
**SECOND LEVEL FIRE
PROTECTION PLAN -
ZONE H**



ISSUE DATES

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05-25-2023 CONSTRUCTION DOCUMENTS

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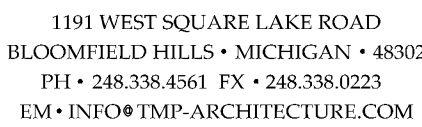
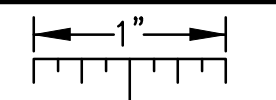
APPROVED: SVM

PROJECT NO.

22070B

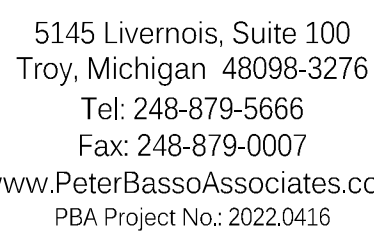
DRAWING NO.

M1.2H



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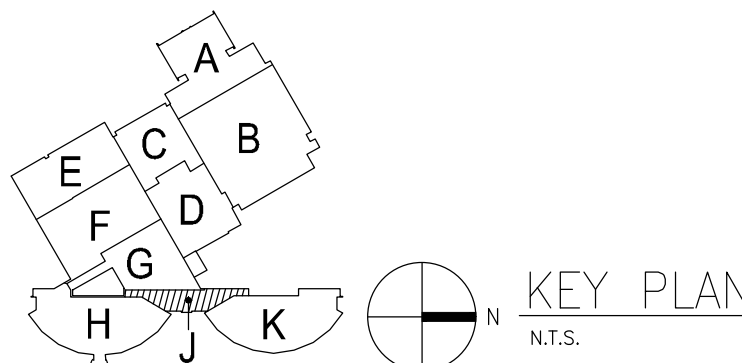


PROJECT TITLE

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE

SECOND LEVEL FIRE PROTECTION PLAN - ZONE J



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

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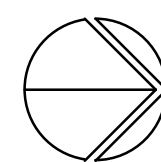
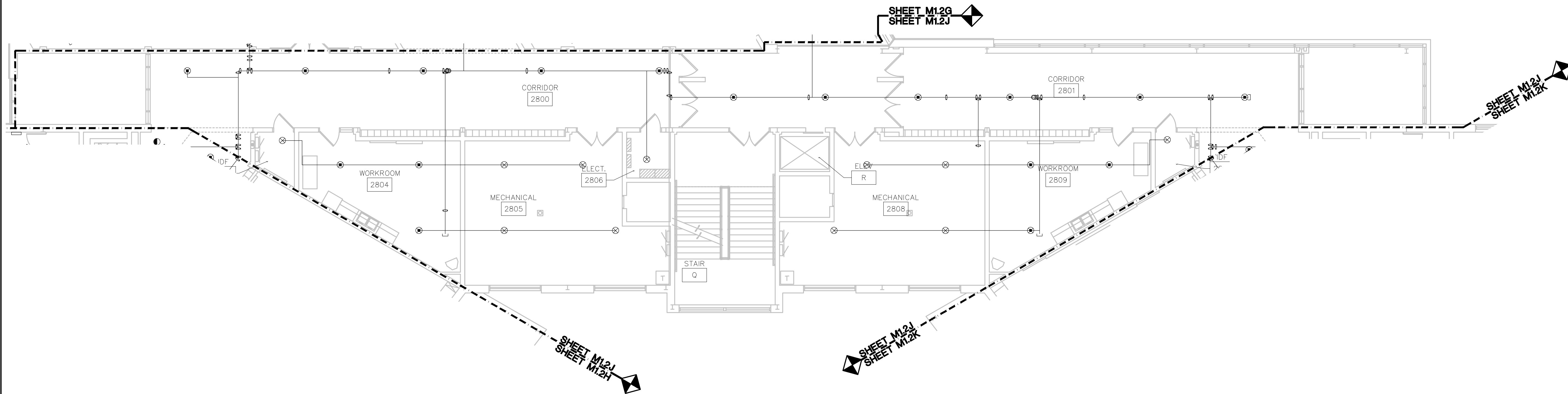
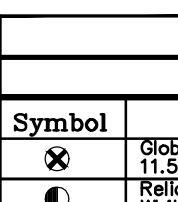
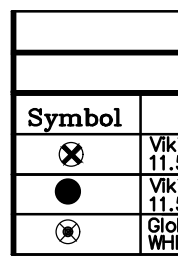
APPROVED SVM

PROJECT NO.

22070B

DRAWING NO.

M1.2J



SECOND LEVEL FIRE PROTECTION PLAN - ZONE J

SCALE: 1/8" = 1' - 0"

SCOPE OF WORK

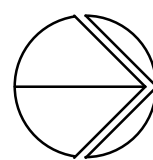
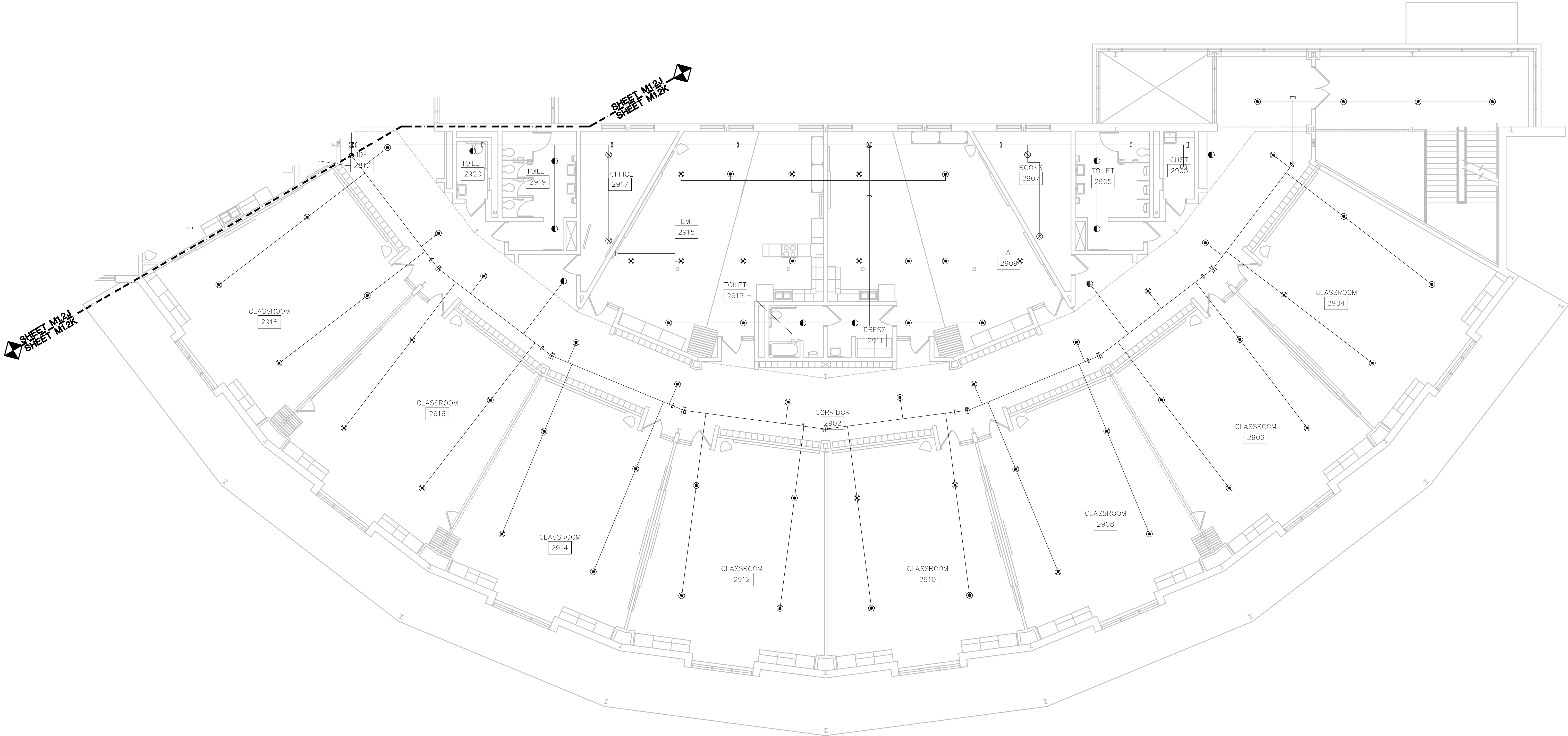
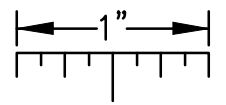
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- **BASE BID:** INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3" FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
- **BASE BID:** PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

Sprinkler Types	
Symbol	Description
☒	3/4" K=11.4 .64, 3/4" ELO-18 GB FR UPRIGHT, BRASS, EXT. COV., LHT. HAZ. QUICK RES.
☒	3/4" K=11.4 17/32", 3/4" GLB, 155, QUICK RES., EXT. COV., LHT HAZ., SEMI REC. WHITE, (qn, prop)

Symbol	
	Global 11.5
	Reliability

g:\2022\2022-0416-00\CAD\2022-0416-M1-FP2.dwg, M1.2K, 5/23/2023 9:46:17 AM, Dominic P. Maceri, None, 0.12327, Peter Basso Associates Inc.

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



SECOND LEVEL FIRE PROTECTION PLAN - ZONE K

SCALE: 1/8" = 1' - 0"

GENERAL AND KEYED NOTES: SEE SHEET M1.2G

Sprinkler Types	
Symbol	Description
☼	1/4" K-11.2 44° 1/2" E.S.P. 150° 18" PROSPRINT, BRASS EXT. COV., 1/2" HAZ. QUICK RES. (on drop)
☼	1/4" K-11.2 44° 1/2" E.S.P. 150° 18" PROSPRINT, BRASS EXT. COV., 1/2" HAZ. BRASS/WHITE 135 deg. PLATE (on drop)
☼	1/4" K-11.2 44° 1/2" E.S.P. 150° 18" PROSPRINT, BRASS EXT. COV., 1/2" HAZ. BRASS/WHITE 135 deg. PLATE (on drop)
☼	1/4" K-11.2 44° 1/2" E.S.P. 150° 18" PROSPRINT, BRASS EXT. COV., 1/2" HAZ. BRASS/WHITE 135 deg. PLATE (on drop)

- SCOPE OF WORK
- BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
 - BASE BID: INCLUDE COST FOR 400 (QTY) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
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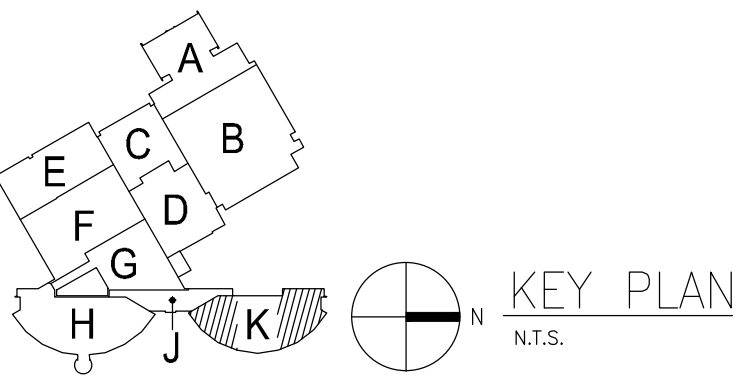


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PBA Project No: 2022.0415

PROJECT TITLE
**DEXTER HIGH SCHOOL
SPRINKLER
UPGRADES**

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
**SECOND LEVEL FIRE
PROTECTION PLAN -
ZONE K**



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: TLC

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APPROVED: SVM

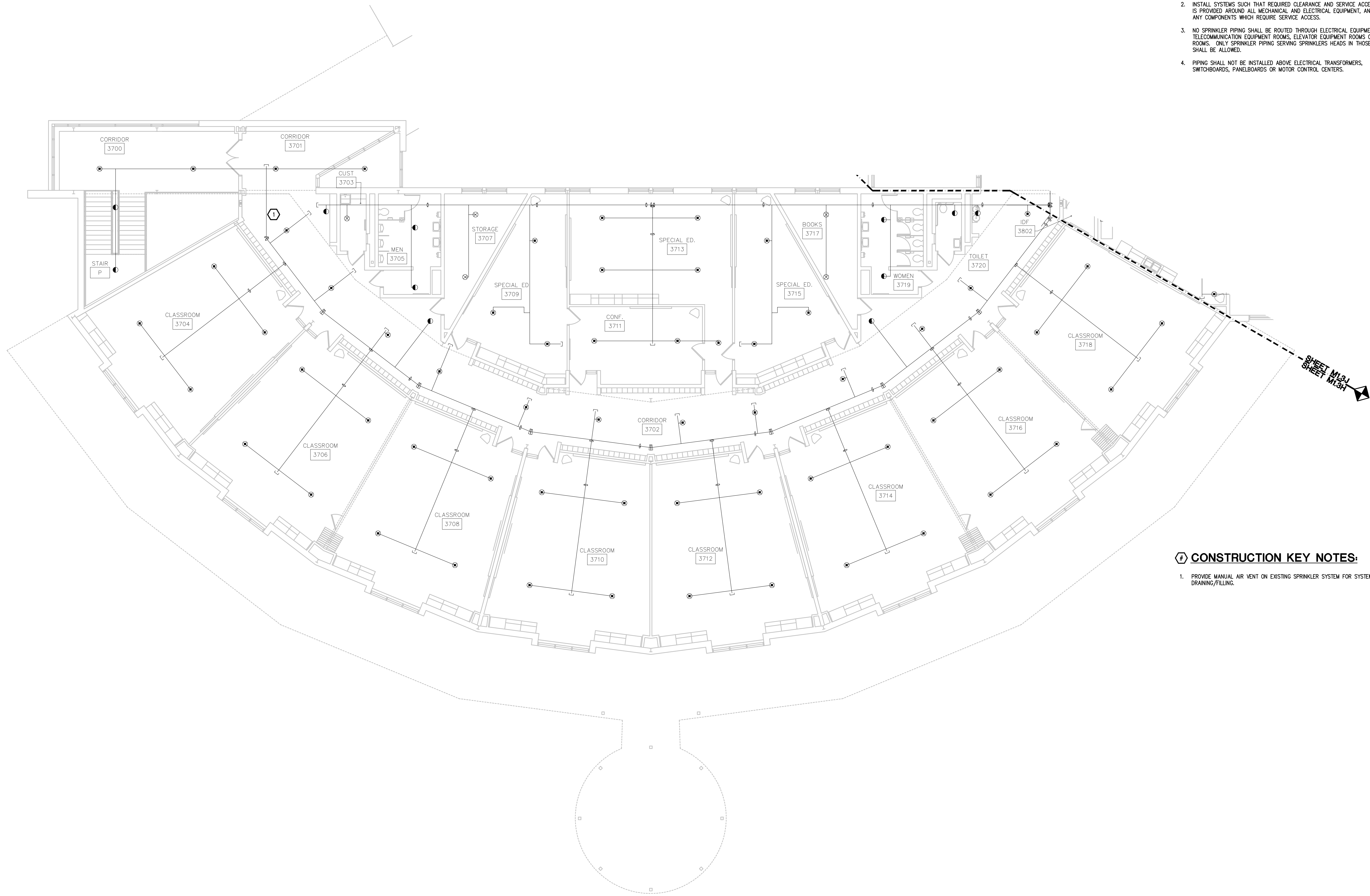
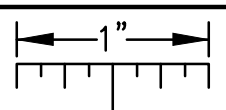
PROJECT NO.

22070B

DRAWING NO.

M1.2K

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



FIRE PROTECTION GENERAL NOTES:

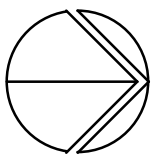
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CONSTRUCTION KEY NOTES:

1. PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.

SCOPE OF WORK
• BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
• BASE BID: INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
• BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

Sprinkler Types	
Symbol	Description
⊗	4" 150# BRASS 150# REG. EXT. COV. (UNION) LIGHT HAZ. BRASS 150# REG. CENTRAL
⊙	4" 150# BRASS 150# REG. EXT. COV. (UNION) CONCEALED PEND. LIGHT HAZ. BRASS 150# REG. CENTRAL
⊖	4" 150# BRASS 150# REG. EXT. COV. (UNION) PEND. LIGHT HAZ. WHITE 150# REG.



THIRD LEVEL FIRE PROTECTION PLAN - ZONE H
SCALE: 1/8" = 1' - 0"
GENERAL AND KEYED NOTES: SEE SHEET M1.3J



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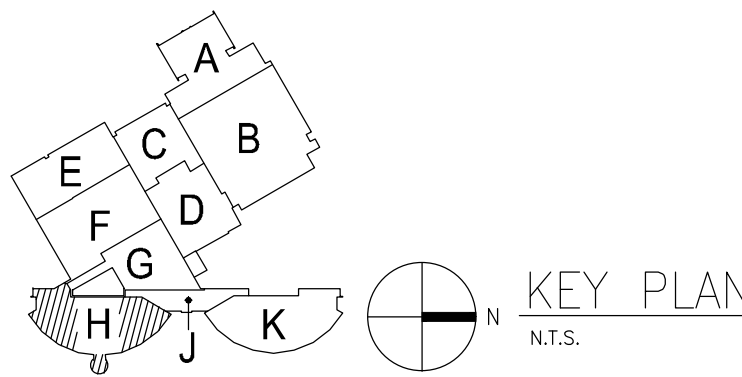


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PBA Project No: 2022.0415

PROJECT TITLE
**DEXTER HIGH SCHOOL
SPRINKLER
UPGRADES**

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
**THIRD LEVEL FIRE
PROTECTION PLAN -
ZONE H**



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

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APPROVED: SVM

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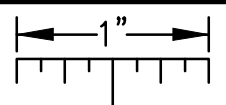
22070B

DRAWING NO.

M1.3H

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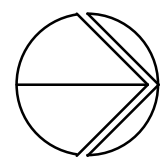
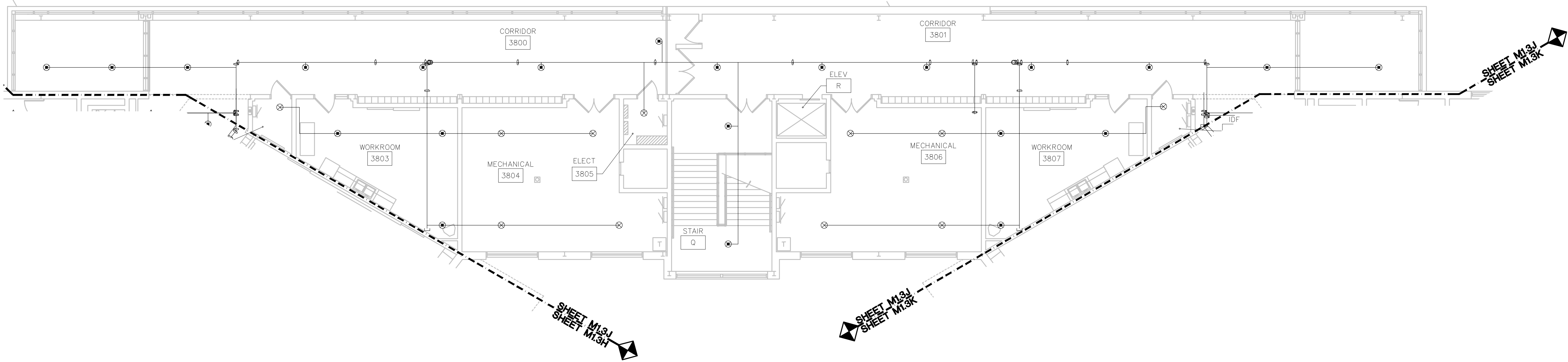


FIRE PROTECTION GENERAL NOTES:

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CONSTRUCTION KEY NOTES:

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THIRD LEVEL FIRE PROTECTION PLAN - ZONE J

SCALE: 1/8" = 1' - 0"

- SCOPE OF WORK
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Sprinkler Types	
Symbol	Description
✕	1/4" 3/4" ELG-18-GB TR-QUICK-RESP-EXT-SW
⊙	17/32" 3/4" 1/2" 208-QUICK-RESP-EXT-DRY-SEM-REC. 1050-1-1051-1-102-WHITE-150-psi (on page)

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PBA Project No: 2022.0416

PROJECT TITLE
DEXTER HIGH SCHOOL
SPRINKLER
UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
THIRD LEVEL FIRE
PROTECTION PLAN -
ZONE J

KEY PLAN
N.T.S.

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DATE: ISSUED FOR:

DRAWN: TLC

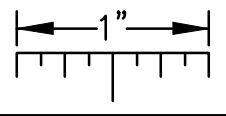
CHECKED: SVM

APPROVED: SVM

PROJECT NO.
22070B

DRAWING NO.
M1.3J

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REGISTRATION SEAL

CONSULTANT

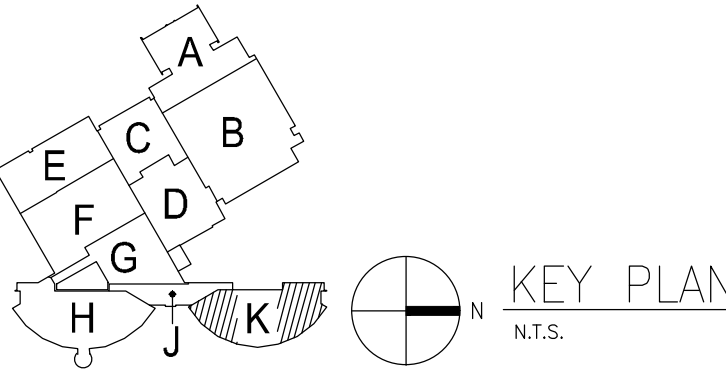


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PBA Project No: 2022.0415

PROJECT TITLE
DEXTER HIGH
SCHOOL
SPRINKLER
UPGRADES

DEXTER COMMUNITY
SCHOOLS

DRAWING TITLE
THIRD LEVEL FIRE
PROTECTION PLAN -
ZONE K



ISSUE DATES

05-25-2023 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: TLC

CHECKED: SVM

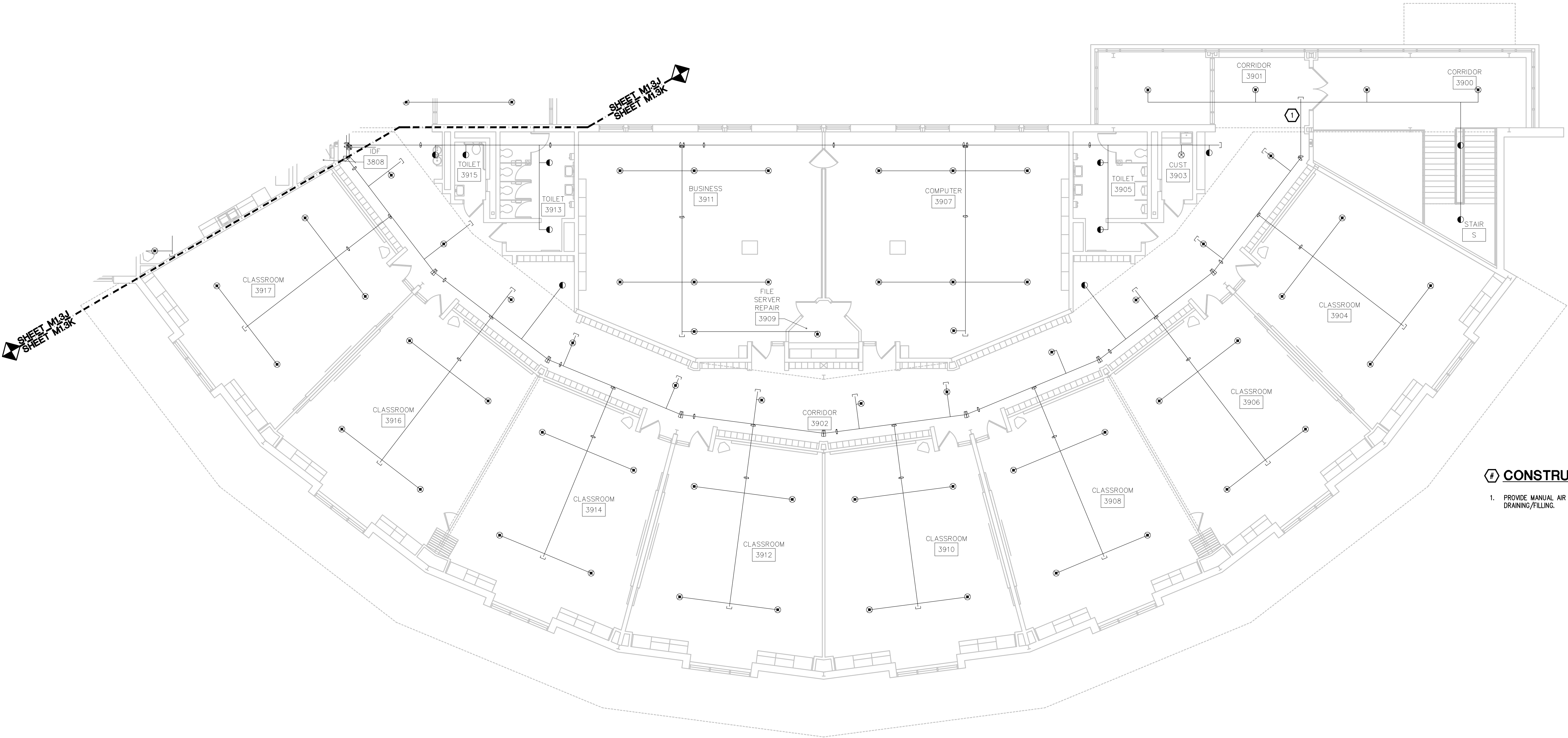
APPROVED: SVM

PROJECT NO.

22070B

DRAWING NO.

M1.3K



CONSTRUCTION KEY NOTES:

- PROVIDE MANUAL AIR VENT ON EXISTING SPRINKLER SYSTEM FOR SYSTEM DRAINING/FILLING.

SCOPE OF WORK
• BASE BID: REPLACE ALL SPRINKLER HEADS AND REDUCERS.
• BASE BID: INCLUDE COST FOR 400 (QTY.) DROP REPLACEMENTS (FOR BIDDING PURPOSES, ASSUME 3' FOR DROP LENGTH; QTY. IS FOR ENTIRE PROJECT). CONTRACTOR TO PROVIDE UNIT PRICE FOR DELETION/ADDITION OF ADDITIONAL DROP REPLACEMENTS.
• BASE BID: PROVIDE MANUAL AIR VENTS AT TOP OF SYSTEM ON EACH ZONE FOR EASE OF MAINTENANCE/DRAINING. REFER TO FLOOR PLAN FOR LOCATIONS.

Sprinkler Types	
Symbol	Description
☼	64" 3/4" ELO-16 GB 75-0800 RES-EXT. COV. (20'0" LIGHT 1/2" WHITE LSS. dep. (no drop))
⦿	64" 3/4" ELO-16 GB 75-0800 RES-EXT. COV. (20'0" LIGHT 1/2" WHITE LSS. dep. (no drop))
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THIRD LEVEL FIRE PROTECTION PLAN - ZONE K
SCALE: 1/8" = 1' - 0"