

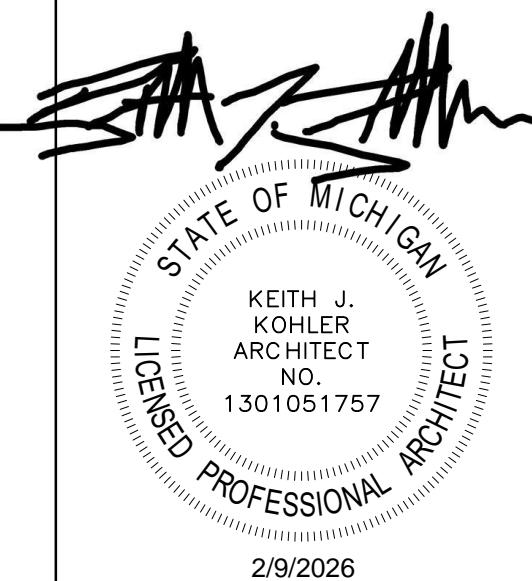


FIRE ALARM REPLACEMENT & RELATED WORK AT ORCHARD CENTER HIGH SCHOOL

1750 OAK STREET, MONROE, MICHIGAN 48161

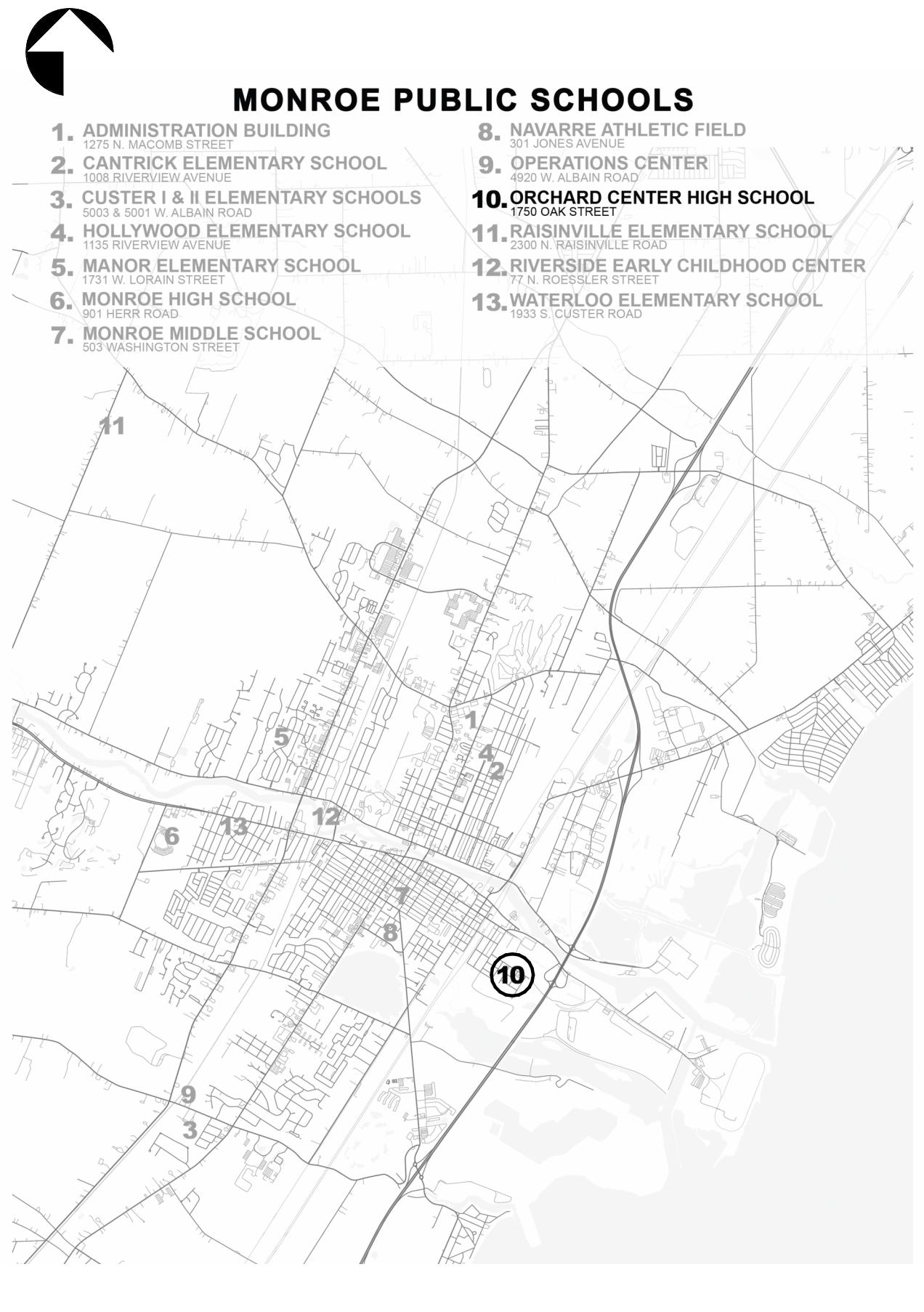


MAKE
Things Better

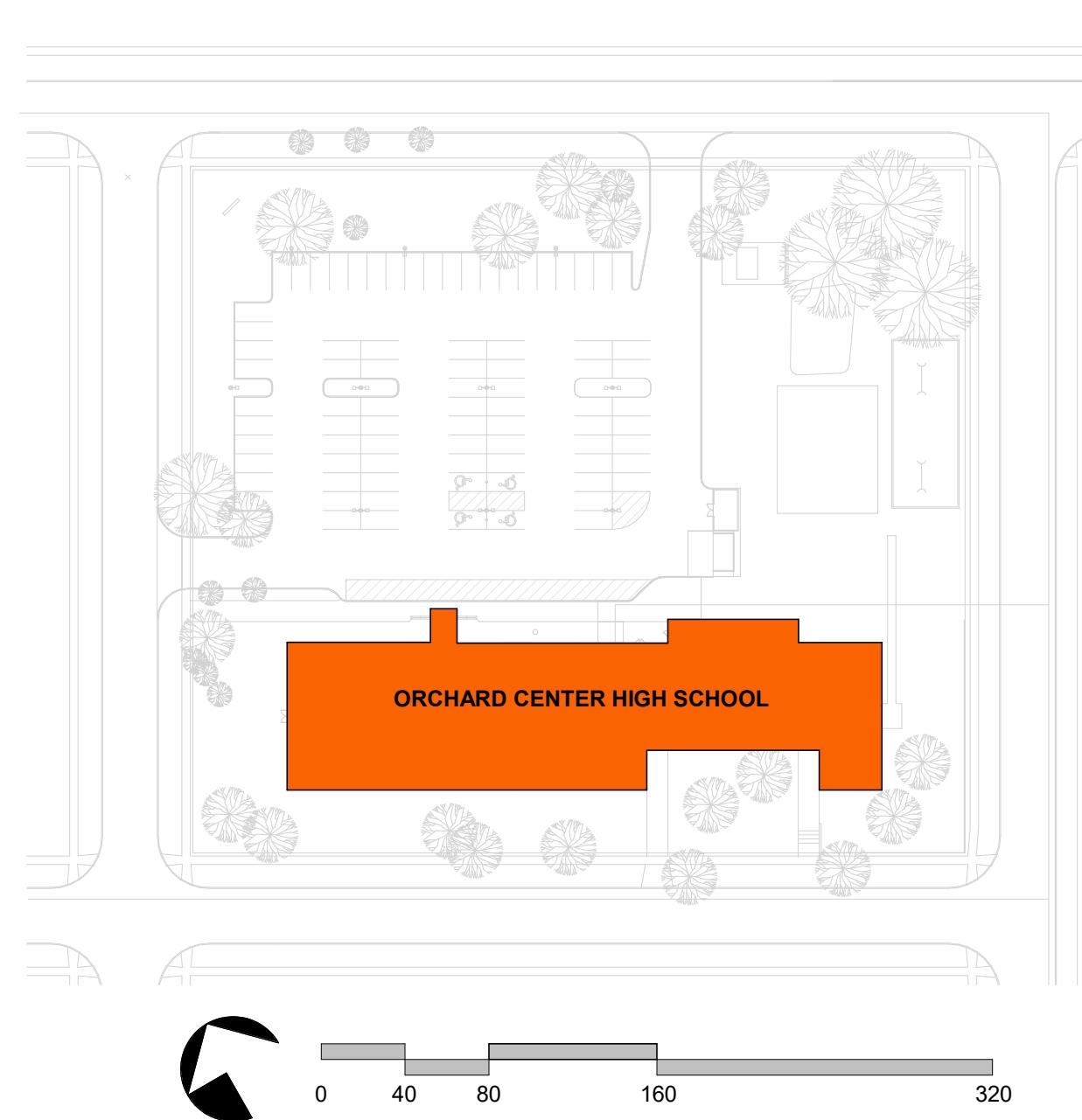


DATE 02.09.2026 DESCRIPTION BIDDING & STATE REVIEW

LOCATION MAP



SITE MAP



PROJECT DIRECTORY

OWNER:
MONROE PUBLIC SCHOOLS
1275 NORTH MACOMB STREET
MONROE, MICHIGAN 48162

CONTACT:
DAVID PAYNE
E: PAYNE@MONROE.K12.MI.US
T: 734.265.3150

ARCHITECT OF RECORD:
KLEINFELDER
1110 WEST FRONT STREET
MONROE, MICHIGAN 48161

CONTACT:
VICTORIA CAPRANICA, NCARB
E: VCAPRANICA@KOHLERARCHITECT.NET
T: 734.242.6880

MECHANICAL ENGINEER OF RECORD:
KLEINFELDER
415 CONANT STREET
MAUMEE, OHIO 43537

CONTACT:
RYAN D. GRAMLING
E: RGRAMLING@KLEINFELDER.COM
T: 419.891.0022

T0.00 TITLE SHEET
T1.00 ABBREVIATIONS, LEGENDS, SYMBOLS
LS1.00 CODE COMPLIANCE PLAN
A1.00 OVERALL REFLECTED CEILING PLAN W / FIRE ALARM COORDINATION
E1.01 ELECTRICAL LEGEND AND DETAILS
E2.01 FIRE ALARM SYSTEM DEMOLITION PLAN - WEST
E2.02 FIRE ALARM SYSTEM DEMOLITION PLAN - EAST
E4.01 FIRE ALARM SYSTEM PLAN - WEST
E4.02 FIRE ALARM SYSTEM PLAN - EAST

PROJECT DESCRIPTION

PROJECT NARRATIVE:
REMOVE EXIST. FIRE ALARMS AND RELATED HARDWARE, INSTALL NEW UP TO DATE FIRE ALARMS AND RELATED HARDWARE. PATCH FINISHES IN AREA OF WORK.

FIRE ALARM REPLACEMENT & RELATED WORK

ORCHARD CENTER HIGH SCHOOL

1750 OAK STREET, MONROE, MICHIGAN 48161

MONROE PUBLIC SCHOOLS

1275 NORTH MACOMB STREET, MONROE, MICHIGAN 48162

AT FOR

JOB # 26104

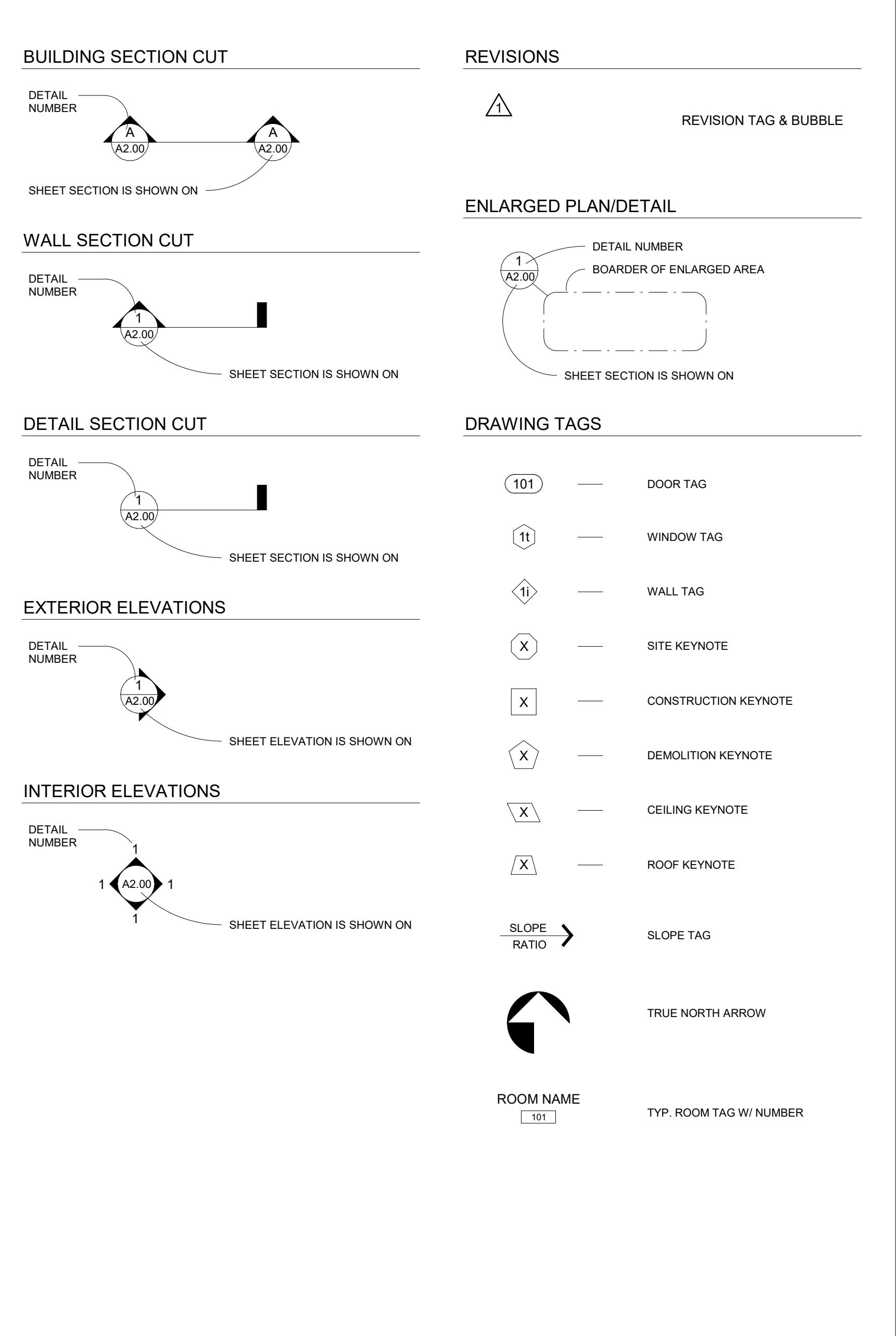
TITLE SHEET

T0.00

ABBREVIATIONS

" INCHES	GFI GROUND FAULT INTERRUPTED	RTU ROOF TOP UNIT
# POUND/NUMBER	GL GLASS	S SOUTH
% PERCENT	GYP. GYPSUM BOARD	S.F. STOREFRONT
& AND	BD. BD.	SAN. SANITARY
' FEET	HB HOSE BIBB	SCHED. SCHEDULED
/ PER	HC HANDICAP ACCESSIBLE	SD. STORM DRAIN / SMOKE DETECTOR
< ANGLE	HDW HARDWARE	SECT. SECTION
@ AT	HDWD HARDWOOD	SGT. STRUCTURAL GLAZED TILE
© COPYRIGHT	HM HOLLOW METAL	SHT. SHEET
° DEGREE	HORIZ. HORIZONTAL	SHWR. SHOWER
± PLUS/MINUS	HR HOUR	SIM. SIMILAR
Ø DIAMETER	HSS HOLLOW STEEL SECTION	SP. SPACES
A.C. AIR CONDITIONING	HT HEIGHT	SPEC. SPECIFICATION
ACT ACOUSTICAL CEILING TILE	HVAC HEATING / VENTILATING / AIR CONDITIONING	SQ. SQUARE
ADD ADDITIONAL / ADDENDUM	IN INCH(ES)	STD. STANDARD
ADJ ADJACENT	INFO INFORMATION	STL. STEEL
AFF ABOVE FINISHED FLOOR	INSUL. INSULATION	STO. STORAGE
AHU AIR HANDLING UNIT	INT. INTERIOR	STRUC. STRUCTURAL
ALT ALTERNATE	JAN JANITOR	SUSP. SUSPENDED
ALUM ALUMINUM	JST. JOIST	SYM. SYMMETRICAL
ANOD ANODIZED	JT JOINT	T. TOILET
APPRO APPROXIMATE	k KIP (1000 lbs)	T.G. TEMPERED GLASS
X	K.D. KNOCK DOWN	T.O. TOP OF
ARCH ARCHITECTURAL	KIT KITCHEN	T.O.C. TOP OF CONCRETE
AUTO AUTOMATIC	KW KILOWATT	T.S. TUBE STEEL
B.O. BOTTOM OF	L LENGTH	T.V. TELEVISION
B.PL. BASE PLATE	L.G. LONG	TECH. TECHNICAL
BD BOARD	L.H. LEFT HAND	TELE. TELEPHONE
BLDG BUILDING	L.L. LIVE LOAD	TEMP. TEMPERATURE
BLKG BLOCKING	L.W.C. LIGHT WEIGHT CONCRETE	THRU. THROUGH
BOT BOTTOM	LAB LABORATORY	TRANS. TRANSITION
BTW BETWEEN	LAM LAMINATE	TYPI. TYPICAL
C.G. CORNER GUARD	LAV LAVATORY	U.N.O. UNLESS NOTED
C.I. CAST IRON	LB POUND	OTHERWISE
C.I.P. CAST-IN-PLACE	LC LIGHT	UL UNDERWRITERS LABORATORIES, INC.
C.J. CONTROL JOINT	LTL LINTEL	UNF UNFINISHED
C.L. CENTERLINE	LVR LOUVER	UR URINAL
C.O. CLEAN OUT	M.O. MASONRY OPENING	VB VAPOR BARRIER
CL. CLOSET	MAS MASONRY	VCT VINYL COMPOSITION TILE
CLG CEILING	MATL MATERIAL	VERT. VERTICAL
CLKG CAULKING	MAX. MAXIMUM	VEST. VESTIBULE
CLR CLEAR	MBR MEMBER	VIF VERIFY IN FIELD
CLRM CLASSROOM	MDF MEDIUM DENSITY FIREBOARD	VWC VINYL WALL COVERING
CMU CONCRETE MASONRY UNIT	MECH MECHANICAL	W. WEST
COL COLUMN	MED MEDIUM	W.C. WATER CLOSET
CONC CONCRETE	MEMB MEMBRANE	W/ WITH
COORD COORDINATE	MEZZ MEZZANINE	W/O/ WITHOUT
CORR CORRIDOR	MFR MANUFACTURER	WD WOOD
CPT CARPET	MH MANHOLE	WF WIDE FLANGE
CT CERAMIC TILE	MIN. MINIMUM	WH WATER HEATER
D.F. DRINKING FOUNTAIN	MIRR MIRROR	WT. WEIGHT
D.L. DEAD LOAD	MISC. MISCELLANEOUS	WTR WATER
D.O. DOOR OPENING	MTD MOUNTED	WWF WELDED WIRE FIREBRIC
DEG DEGREE	MTL METAL	XFMER. TRANSFORMER
DEPT DEPARTMENT	MULL MULLION	
DIA DIAMETER	MULT MULTIPLE	
DIM DIMENSION	N N	
DIV DIVISION	N.I.C. NOT IN CONTRACT	
DN DOWN	N.O. NUMBER	
DR DOOR	N.R. NOT RATED	
DS DOWNSPOUT	N.T.S. NOT TO SCALE	
DTL DETAIL	NFPA NATIONAL FIRE PROTECTION ASSN	
DWG DRAWING	NOM. NOMINAL	
E EAST	NORM. NORMAL	
E.J. EXPANSION JOINT	O.C. ON CENTER	
EACH SIDE	O.D. OVERFLOW DRAIN	
EA. EACH	O.H. OVERHEAD	
EIFS EXTERIOR INSULATION AND FINISH SYSTEM	OFF. OFFICE	
EL. ELEVATION	OPNG. OPENING	
ELEC ELECTRICAL	OPP. OPPOSITE	
ELEV. ELEVATOR	ORIG. ORIGINAL	
EPDM DIENE MONOMER	OVHG. OVERHANG	
EQ EQUAL	OZ. OUNCE	
EQUIP EQUIPMENT	P.C. PRECAST CONCRETE	
EXIST EXISTING	P.T. PRESSURE TREATED	
EXP EXPANSION	PAR. PARALLEL	
EXT EXTERIOR	PARA. PARAPET	
F.A. FIRE ALARM	PERF. PERFORATED	
F.D. FLOOR DRAIN	PL. PLATE	
F.E. FIRE EXTINGUISHER	PLAM. PLASTIC LAMINATE	
F.E.C. FIRE EXTINGUISHER CABINET	PLUM. PLUMBING	
F.HYD. FIRE HYDRANT	PLYWD. PLYWOOD	
F.O. FACE OF	PSF. POUNDS / SQUARE FOOT	
F.R. FIRE RATED	PT. PAINT	
F.R.P. FIBER-REINFORCED PLASTIC	PVC. POLYVINYL CHLORIDE	
F.R.T. FIRE RETARDANT TREATED	PVMT. PAVEMENT	
FDC FIRE DEPARTMENT CONNECTION	PWR. POWER	
FF FINISH FLOOR	QT. QUARRY TILE	
FIN. FINISH	QTY. QUANTITY	
FIXT FIXTURE	R.A. RETURN AIR	
FLASH FLASHING	R.B. RUBBER OR RESILIENT	
FLR FLOORING	RAD. RADIUS	
FRMG FRAMING	REF. REFERENCE	
FT FOOT / FEET	REFG. REFRIGERATOR	
FTG FOOTING	REINF. REINFORCED	
FURR FURRING	REQD. REQUIRED	
G GAS	REV. REVISED / REVISION	
G.B. GRADE BEAM	RH. ROOF HATCH	
G.C. GENERAL CONTRACTOR	RM. ROOM	
G.R. GUARDRAIL		
GA GAUGE		
GALV GALVENIZED		
GB GRAB BAR		
GEN GENERATOR		

SYMBOLS LEGEND



GENERAL NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH APPLICABLE SECTIONS OF THE FEDERAL, STATE AND LOCAL BUILDING CODES, ZONING ORDINANCE, HEALTH AND FIRE REGULATIONS AS ADOPTED BY THE LOCAL GOVERNING BUILDING AUTHORITY.
2. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY BUILDING PERMITS FROM ALL GOVERNING AGENCIES INCLUDING THE CITY / TOWNSHIP AND SUBMIT FOR THEIR USE ANY CERTIFICATES OF INSURANCE, BONDS, ESCROW ACCOUNTS, LICENSES, PAY ALL FEES, OBTAIN ALL APPROVALS, ETC. ALL AS MAY BE REQUIRED TO COMPLETE THIS PROJECT.
3. CONTRACTOR SHALL RETAIN THE SERVICES OF AN APPROVED THIRD PARTY AGENCY TO PERFORM ALL SPECIAL INSPECTIONS AND TESTING AS REQUIRED BY THE LOCAL GOVERNING BUILDING CODE, GOVERNING BUILDING AUTHORITY, OR AS CALLED OUT IN THESE CONSTRUCTION DOCUMENTS. NOTIFY OWNER / ARCHITECT, IMMEDIATELY, OF ANY FAILED TESTS OR INSPECTIONS AND PROVIDE OWNER WITH ALL WRITTEN REPORTS AND TEST RESULTS AT PROJECT COMPLETION.
4. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH THE WORK. IF ANY DIFFERENCES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY, IN WRITING FOR CLARIFICATION PRIOR TO PROCESSING WITH WORK.
5. THESE DOCUMENTS ARE DEVELOPED TO PROVIDE THE CONTRACTOR WITH A WORKING KNOWLEDGE OF THE SYSTEMS AND MATERIALS TO BE INSTALLED, AND THE SCOPE OF WORK. WHERE THESE DOCUMENTS ARE IN CONFLICT WITH THE JOB CONDITIONS, OR STANDARD DETAILS OR SPECIFICATIONS OF THE MANUFACTURED COMPONENT, OR AFFECT THE GUARANTEE, THEY SHALL BE MODIFIED AS REQUIRED BY THE CONTRACTOR AND APPROVED BY THE ARCHITECT.
6. PROVIDE AND MAINTAIN SUITABLE TEMPORARY FENCES, BARRICADES, LIGHTS, WARNINGS, ETC., FOR PROTECTION OF PUBLIC AND OTHERS HAVING ACCESS TO THE SITE. CONTRACTOR SHALL KEEP CLEAN AND ADEQUATELY PROTECT ALL STREETS, DRIVES, WALKS, BLDGS, ETC. FROM DAMAGE DUE TO ANY ITEM INVOLVED WITH THIS WORK. ANY DAMAGED WORK SHALL BE REPAIRED / REPAIRED AT CONTRACTOR'S EXPENSE.
7. CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS (DO NOT SCALE DRAWINGS), WHERE NONE ARE PRESENT OR IN CONFLICT WITH WRITTEN, FIELD MEASURE AND/OR NOTIFY ARCHITECT FOR CLARIFICATION.
8. SHOULD THE CONTRACT DOCUMENTS DISAGREE (DRAWINGS AND SPECIFICATIONS), THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING. THE BETTER QUALITY OR LARGER QUANTITY OF MATERIALS OR WORK SHALL BE INCLUDED IN THE BID AND UNLESS OTHERWISE ORDERED IN WRITING, SHALL BE FURNISHED BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL EXAMINE ALL DRAWINGS, SPECIFICATIONS AND ALL OTHER DATA OR INSTRUCTIONS PERTAINING TO THE WORK. BEFORE COMMENCING PHYSICAL WORK, THE CONTRACTOR SHALL LOCATE ALL GENERAL REFERENCE POINTS AND TAKE SUCH ACTION AS IS NECESSARY TO PREVENT THEIR DESTRUCTION; LAY OUT HIS WORK AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS OF BUILDINGS, GRADING, PAVING, UTILITIES AND OTHER WORK EXECUTED BY HIM UNDER THE CONTRACT. HE MUST EXERCISE PROPER PRECAUTIONS TO VERIFY FIGURES SHOWN ON DRAWINGS BEFORE LAYING OUT WORK.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, HIS SUB-CONTRACTOR AND/OR SUPPLIER TO WORK FROM A FULL SET OF CONTRACT DOCUMENTS FOR BOTH THE WORK TO BE COMPLETED AND IN PREPARATION OF THE SHOP DRAWINGS, SO THAT EACH PART OR COMPONENT WILL WORK WITH THOSE PARTS AS FURNISHED OR FABRICATED BY OTHERS, AND THE ASSEMBLED WHOLE WORKS TOGETHER AS INTENDED.
11. MATERIALS - SHALL BE NEW. SECONDS OR DAMAGED MATERIALS WILL BE REJECTED BY THE ARCHITECT, WHO RESERVES THE RIGHT TO DISAPPROVE AND REJECT ANY MATERIALS PROPOSED OR INSTALLED, WHICH IN HIS OPINION FAIL TO MEET QUALITY STANDARDS SPECIFIED.
12. THE ARCHITECT SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO ASBESTOS AND HAZARDOUS MATERIALS IN ANY FORM FOR THE PROJECT.
13. AS-BUILTS - THE CONTRACTOR SHALL KEEP AN ACCURATE RECORD OF ALL DEVIATIONS FROM THE CONTRACT DRAWINGS AND SPECIFICATIONS. HE SHALL NEATLY AND CORRECTLY DRAFT (NO FREEHAND) ANY DEVIATIONS ON THE DRAWINGS AFFECTED AND SHALL KEEP DRAWINGS AVAILABLE FOR INSPECTION. GIVE TO THE ARCHITECT AT COMPLETION.
14. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE ALL CEILINGS (INCLUDING, BUT NOT LIMITED TO: STRUCTURAL MEMBERS, MECHANICAL DUCTS AND INSULATION, CONDUITS, RACEWAYS, SPRINKLER SYSTEM, LIGHT FIXTURES, CEILING SYSTEM, AND ANY SPECIAL STRUCTURAL SUPPORTS REQUIRED) AND SHALL BE RESPONSIBLE FOR MAINTAINING THE FINISH CEILING HEIGHT ABOVE THE FINISHED FLOOR INDICATED IN THE DRAWINGS AND THE FINISH SCHEDULE. (CEILING HEIGHT DIMENSIONS ARE TO THE FINISH SURFACE OF THE CEILING).
15. IN AREAS OF NEW WORK, ACCESS PANELS SHALL BE PROVIDED AND INSTALLED WHEREVER REQUIRED BY CODE OR FOR THE PROPER OPERATION OR MAINTENANCE OF MECHANICAL OR ELECTRICAL EQUIPMENT (I.E. TERMINAL BOXES, VALVES, DAMPERS, ETC.) WHETHER OR NOT INDICATED ON THE DRAWINGS. CONTRACTOR SHALL COORDINATE SIZE, LOCATION, AND TYPE OF ACCESS PANEL WITH OTHER CONTRACTORS WORK AND RECEIVE APPROVAL OF THE ARCHITECT. ACCESS PANEL SHALL NOT BE LOCATED, FRAMED OR INSTALLED WITHOUT EXPRESSED APPROVAL OF THE ARCHITECT.
16. THE ARCHITECT SHALL BE CONSULTED IN ALL CASES WHERE CUTTING INTO AN EXISTING STRUCTURAL PORTION OF ANY BUILDING PRIOR TO PROCEEDING WITH WORK.

FIRE ALARM REPLACEMENT & RELATED WORK

1780 OAK STREET, MONROE, MICHIGAN 48161

1275 NORTH MACOMB STREET, MONROE, MICHIGAN 48162

JOB # 26104

FOR

ABBREVIATIONS, LEGENDS, SYMBOLS

DATE 02.09.2026 DESCRIPTION BIDDING & STATE REVIEW

T1.00

KOHLER
ARCHITECTURE
1110 WEST FRONT STREET
MONROE, MICHIGAN 48161
WWW.KOHLERARCHITECT.NET

MAKE
Things Better

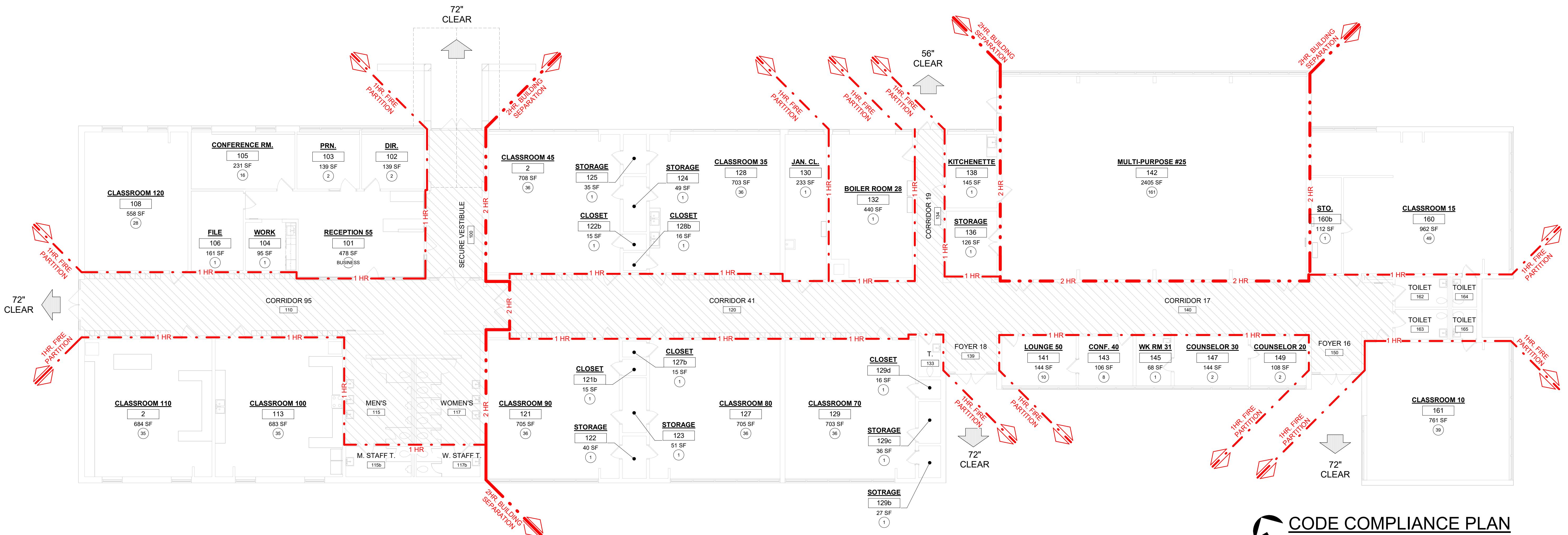


KOHLER ARCHITECTURE

1110 WEST FRONT STREET
MONROE, MICHIGAN 48161

MAKE

Things Better



CODE COMPLIANCE PLAN

SCALE: 1" = 10'-0"

DATE	DESCRIPTION
02.09.2026	BIDDING & STATE REVIEW

OBCHABD CENTER HIGH SCHOOL

1750 S. L St. • 1 M. • MI

PROJECT DESCRIPTION		EXISTING SCHOOL BUILDING - FIRE ALARM REPLACEMENT & RELATED WORK					
BUILDING CODE:	2021 MICHIGAN BUILDING CODE 2021 MICHIGAN REHABILITATION CODE 2021 MICHIGAN MECHANICAL CODE 2021 MICHIGAN PLUMBING CODE 2021 MICHIGAN ENERGY CODE 2023 NATIONAL ELECTRICAL CODE (NEC) 2012 NFPA 101 LIFE SAFETY CODE 2016 SCHOOL FIRE SAFETY RULES 1991 / 2010 ADA STANDARDS						
BUILDING AREA:	EXISTING BUILDING (GROSS)						
BUILDING OCCUPANCY TYPE:	(SEC. 305.1)						
CONSTRUCTION TYPE:	(SEC. 602.5, TABLE 601)						
ALLOWABLE AREA:	(TABLE 506.2)						
INCREASE ALLOWABLE:	(SEC. 506.2.1)						
ALLOWABLE HEIGHTS:	(TABLE 504.3)						
ALLOWABLE NUMBER OF STORIES:	(TABLE 504.4)						
HEIGHT MODIFICATION:	(SEC. 504.3)						
FIRE RESISTIVE CONSTRUCTION:							
STRUCTURAL FRAMING:	(TABLE 601)						
BEARING WALLS:							
EXTERIOR:	(TABLE 601, 602)						
INTERIOR:	(TABLE 601)						
NON-BEARING WALLS:							
EXTERIOR:	(TABLE 601, 602)						
INTERIOR:	(TABLE 601)						
FLOOR CONSTRUCTION:	(TABLE 601)						
ROOF CONSTRUCTION:	(TABLE 601)						
FIRE WALLS:	(SEC. 706, TABLE 706.4)						
FIRE BARRIER:							
INT. EXIT STAIR/RAMP:	(SEC. 1023.2)						
EXIT ACCESS STAIR:	(SEC. 713.4)						
EXIT PASSAGEWAY:	(SEC. 708)						
HORIZ. EXIT (REFUGE AREA):	(SEC. 1026.1)						
ATRIUM:	(SEC. 404.6)						
INCIDENTAL USES:	(TABLE 509)						
CONTROL AREA:	(SEC. 414.2.4)						
SEPARATED OCCUPANCIES:	(SEC. 508.4, TABLE 508.4)						
FIRE AREAS:	(SEC. 707.3.10)						
EXT. DOORS + WINDOWS:	(TABLE 705.8)						
FIRE PARTITIONS:							
CORRIDOR WALLS:	(SEC. 708, SEC. 1020.1) (NFPA 101, SEC 15.3.6)						
SMOKE BARRIERS	(SEC. 709.4)						
OPENING PROTECTIVES:							
CORRIDOR DOORS:	(TABLE 716.5)						
CORRIDOR OPENINGS:	(TABLE 716.5)						
DRAFTSTOPPING:	(SEC. 718)						
FIRE BLOCKING:	(SEC. 718)						
FIRE SPRINKLERS:	(SEC. 901.7, SEC. 903.2.3)						
FIRE ALARMS:	(SEC. 907.2.3)						
FIRE EXTINGUISHERS:	(SEC. 906)						
PLATFORMS / STAGES:	(SEC. 410.4, 410.7)						
	EXISTING						

MEANS OF EGRESS:		
EGRESS CAPACITY	NFPA 101, SEC 7.3.1.1.2)	WHERE MORE THAN ONE MEANS OF EGRESS IS REQUIRED, THE MEANS OF EGRESS SHALL BE OF SUCH WIDTH AND CAPACITY THAT THE LOSS OF ANY ONE MEANS OF EGRESS LEAVES AVAILABLE NOT LESS THAN 50% OF THE REQUIRED CAPACITY.
WIDTH OF EGRESS:	(SEC. 1005) (NFPA 101, TABLE 7.3.3.1)	STAIRS = 0.3" / OCCUPANT (W/O SPRINKLERS) OTHER = 0.2" / OCCUPANT (W/O SPRINKLERS)
NUMBER OF EGRESS:	(NFPA 101, SEC 7.4.1.2)	MIN. 3 FOR 500-1000 OCC. LOAD MIN. 4 FOR 1000< OCC.LOAD
CORRIDOR WIDTH:	(TABLE 1020.2)	44" MIN.; AREAS OF OCCUPANT LOAD < 50 PEOPLE = 36" MIN.; AREAS OF OCCUPANT LOAD > 100 PEOPLE = 72" MIN.
DOORS: ENCROACHEMNT	(SEC. 1010) (SEC. 1005.7)	MIN. 34" WIDE EXIT (36" WIDE FOR ADA) DOORS IN ANY POSITION CANNOT REDUCE REQUIRED WIDTH BY MORE THAN 7" MAX. HANDRAIL PROJECTION PER SIDE = 1-1/2"
EXIT ACCESS:	(SEC. 1016)	MAX. 1 INTERVENING SPACE
TRAVEL DISTANCE:	(TABLE 1017.2) (NFPA 101, TABLE A.7.6)	200' MAX. WITHOUT SPRINKLERS
DEAD-END CORRIDORS:	(SEC. 1020.4) (NFPA 101, TABLE A.7.6)	DEAD-END CORRIDORS IN ANY AREA SHALL NOT EXCEED 20 FT.
ELEVATOR/CONVEY SYSTEMS: ACCESSIBILITY:	(SEC. 1009.2.1) (SEC. 3001.2)	N/A ELEVATORS REQUIRED TO BE ACCESSIBLE OR SERVE ACCESSIBLE

FIRE RATED WALLS LEGEND	
	1 HOUR FIRE RATED WALL
	2 HOUR FIRE RATED WALL

NOTE: CONTRACTOR SHALL STENCIL PAINT FIRE WALLS
ABOVE ACCESSIBLE CEILINGS PER IBC 703.7

URCHARD CENTER HIGH SCHOOL
1750 OAK STREET, MONROE, MICHIGAN 48161

MONROE PUBLIC SCHOOLS

CODE COMPLIANCE PLAN

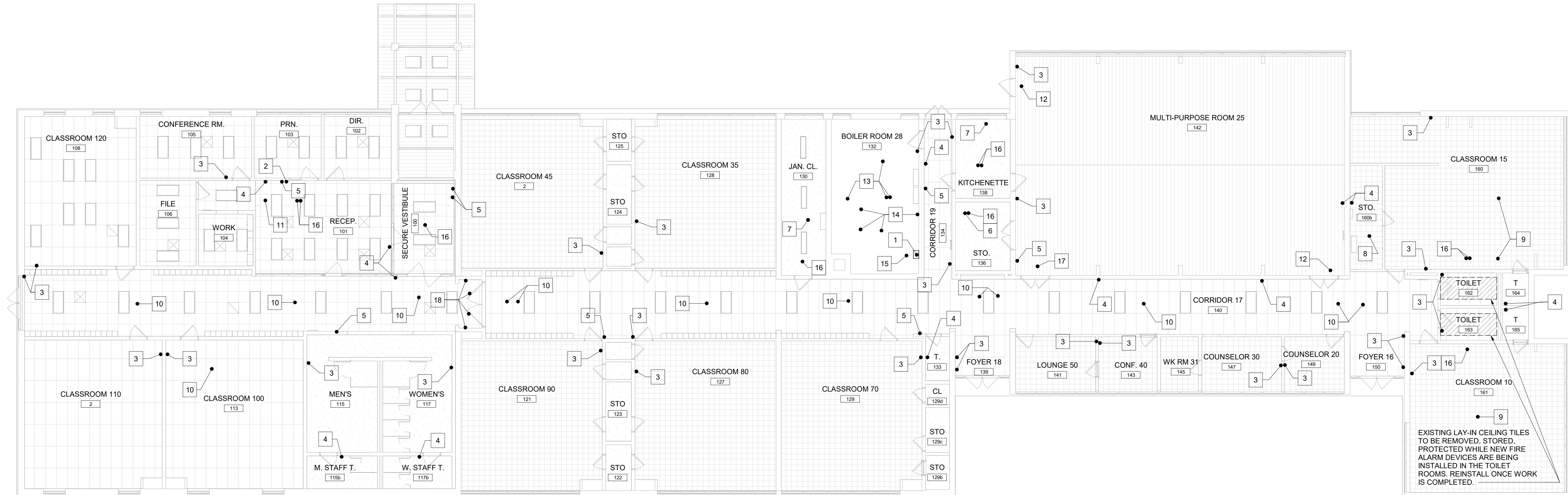
LS1.00



KOHLER
ARCHITECTURE

1110 WEST FRONT STREET
MONROE, MICHIGAN 48161
WWW.KOHLERARCHITECT.NET

MAKE
Things Better



REFLECTED CEILING PLAN LEGEND	
SYMBOL	DESCRIPTION
	EXISTING 2x2' LAY-IN CEILING TILES.
	EXISTING 2x4' LAY-IN CEILING TILES
	EXISTING 12"x12" GLUED CEILING TILES
	EXISTING WOOD SLAT CEILING
	EXISTING LIGHT FIXTURE - FOR REFERENCE
	EXISTING LIGHT FIXTURE - FOR REFERENCE
	TYP. MECHANICAL SUPPLY / RETURN DIFFUSERS - FOR REFERENCE

REFLECTED CEILING PLAN NOTES:

1. ALL NEW MATERIAL SELECTED TO MATCH EXISTING, IS TO BE REVIEWED AND ACCEPTED BY THE ARCHITECT.

PLAN NOTES:

- REFER TO ELECTRICAL DRAWINGS FOR PRIMARY SCOPE OF WORK. THE WORK SHOWN ON THE ARCHITECTURAL DRAWINGS IS DIRECTLY RELATED AND SHOULD BE COORDINATED.
- FIELD VERIFY AREAS WHERE DEVICES ARE BEING REMOVED AND NO NEW DEVICE IS GETTING INSTALLED. INSTALL NEW COVER PLATE AS REQUIRED PER DETAIL THIS SHEET.
- NEW EXPOSED DEVICE BOX AND RACEWAYS TO BE PAINTED COLOR TO MATCH X'TG SURFACE.
- REFER TO ELEC. DWGS. FOR SPECIFIC FIRE ALARM EQUIPMENT AND INSTALLATION REQUIREMENTS.
- WORK BEING COMPLETED IN BOILER ROOM #132, WILL NEED TO BE COORDINATED WITH CONTRACTOR PERFORMING WORK ASSOCIATED WITH A DIFFERENT CONTRACT. CONTACT THE ARCHITECT PRIOR TO BEGINNING WORK FOR ADDITIONAL INFORMATION.

FIRST FLOOR OVERALL RCP
SCALE: 1" = 10'-0"

DATE 02.09.2026
DESCRIPTION BIDDING & STATE REVIEW

FIRE ALARM REPLACEMENT & RELATED WORK

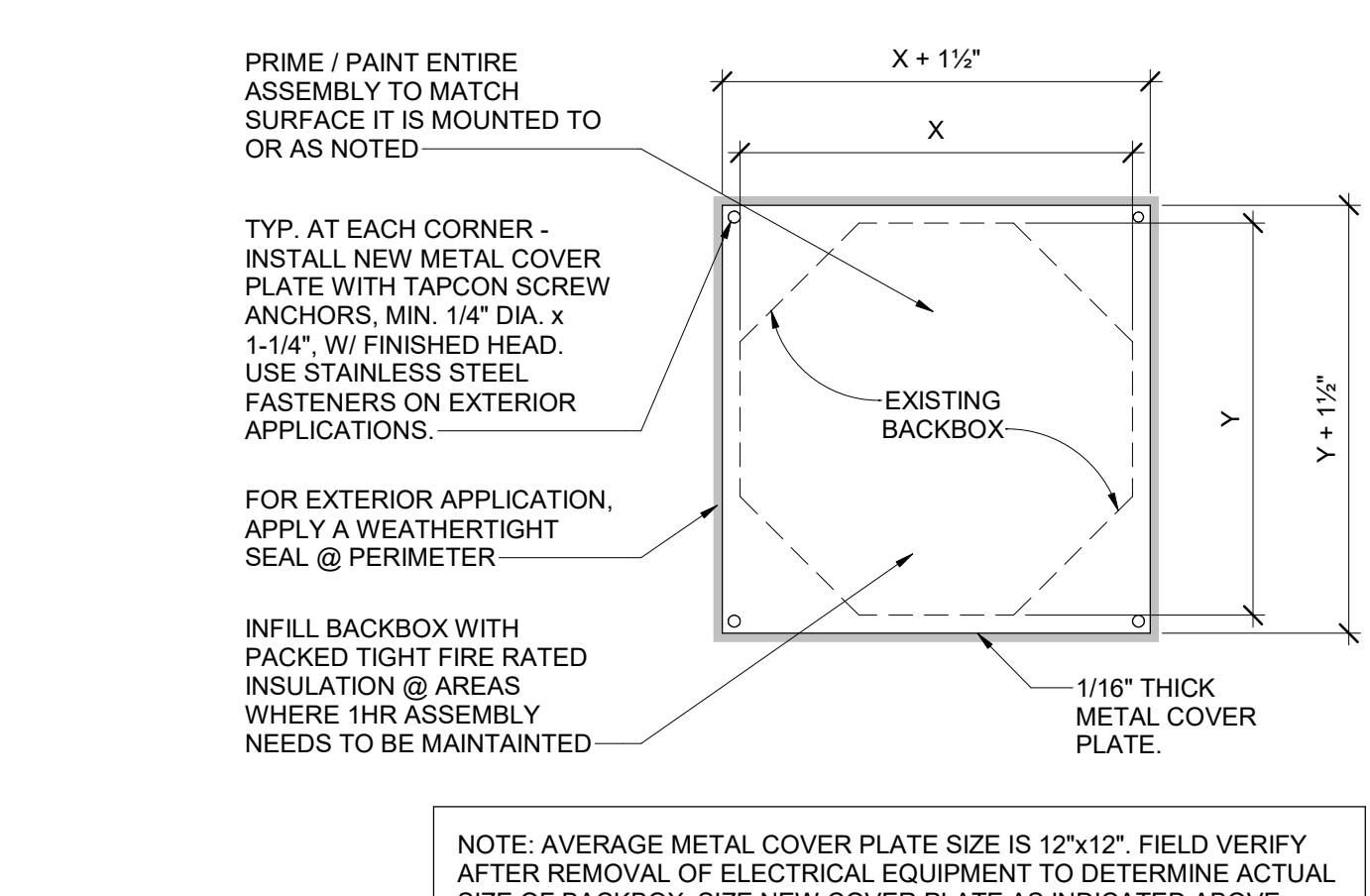
MONROE PUBLIC SCHOOLS

1750 NORTH MACOMB STREET, MONROE, MICHIGAN 48161

1275 NORTH OAK STREET, MONROE, MICHIGAN 48162

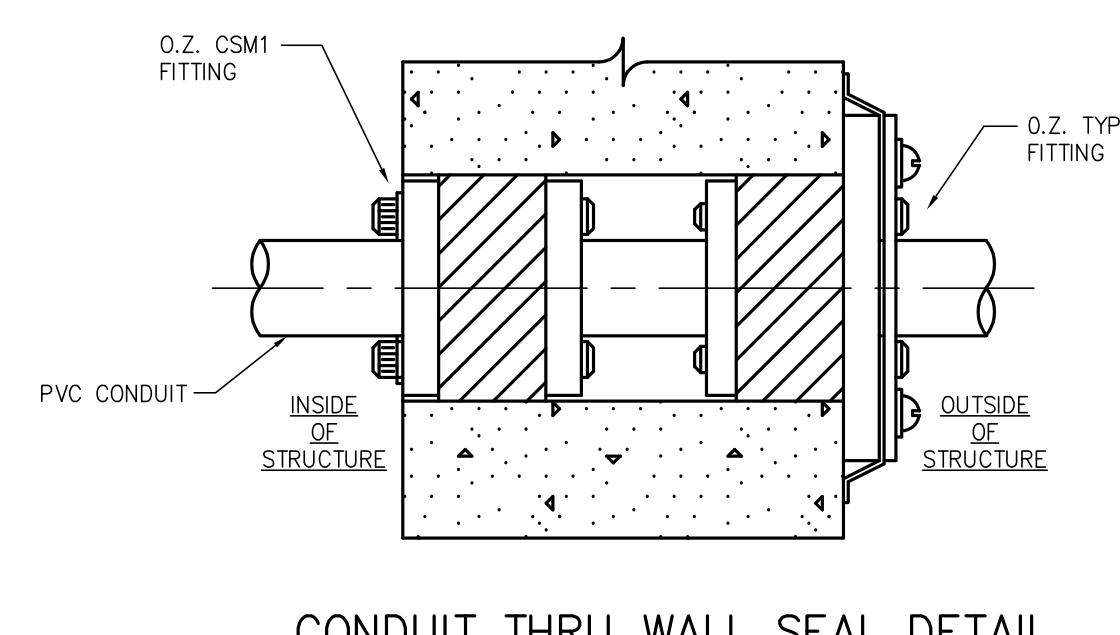
JOB #	26104
OVERALL REFLECTED CEILING PLAN W / FIRE ALARM COORDINATION	

A1.00



TYP. COVER PLATE
SCALE: 1 1/2" = 1'-0"

ELECTRICAL LEGEND	
CCT	CIRCUIT
E.C.	ELECTRICAL (SUB) CONTRACTOR
EXISTING	
F.B.O.	FURNISHED BY OTHERS, INSTALLED AND/OR WIRED BY ELECTRICAL CONTRACTOR
G.C.	GENERAL (SUB) CONTRACTOR
HP	HORSEPOWER
L.D.	LOAD, AS DIRECTED
MAX	MAXIMUM
M.C.	MECHANICAL (HVAC, PLBG, FP, OR TC) (SUB) CONTRACTOR
MH	MOUNTING HEIGHT TO BOTTOM OF DEVICE, BOX, OR FIXTURE, UNO
MIN	MINIMUM
N/L	NIGHT LIGHT, UNSWITCHED CIRCUIT
OREQ	OR EQUAL
REV	REVERSE
R/A.M.	REMOVE
R/L	RELOCATE/RELOCATED
UNO	UNLESS NOTED OTHERWISE
W/	COMPLETE WITH
WG	WITH WIRE GUARD
WP	WEATHERPROOF DEVICE, ENCLOSURE OR COVER PLATE.
INDICATES MAXIMUM RMS SHORT CIRCUIT FAULT AT NOTED BUS PER ENGINEER'S CALCULATIONS VIA ASSUMPTIONS ON UTILITY FAULT INFORMATION.	
(XX,XXX)	INDICATES NOTE-SEE TABULATION ON SAME SHEET
	WIRE TICKS INDICATE BRANCH CIRCUIT PHASE, NEUTRAL, & GROUND WIRES, RESPECTIVELY CONDUIT-CONCEALED IN CEILING, WALL OR FLOOR OF NEW CONSTRUCTION. CONCEALED WHEREVER POSSIBLE IN EXISTING CONSTRUCTION (1/2" DIA. MIN.)
	HOMERUN TO PANEL OR LOCATION NOTED
	INDICATES CONCEALED CONDUIT UNDERGROUND/UNDERFLOOR - 3/4" MIN.
	SURFACE MOUNTED RACEWAY-W/ MATCHING FITTINGS, BOXES, ACCESSORIES, MOUNTING BRACKETS/SUPPORTS (NO STRAPS), ETC. WIREMOLD #V700 SERIES, HUBBELL #HBL75010W SERIES GREQ
	INDICATES LOW VOLT CABLEING ROUTED THRU PLenum OR CEILING SPACE.
	RED FIRE ALARM MANUAL PULL STATION-RED SURFACE BOX/SKIRT-CLEAR ENCLOSURE SHIELD OR (WG=MIREGUARD)-UNO-MH 44"
	RED FIRE ALARM SIGNAL-STROBE LIGHT ONLY-RED SURFACE BOX/SKIRT-MH 80"
	RED FIRE ALARM SIGNAL-SPEAKER W/STROBE LIGHT-RED SURFACE BOX/SKIRT-MH 80"
	FIRE ALARM SMOKE DETECTOR-CEILING MOUNTED
	FIRE ALARM HEAT DETECTOR-CEILING MOUNTED
	FIRE ALARM CARBON MONOXIDE DETECTOR-CEILING MOUNTED
	FIRE ALARM MAGNETIC DOOR HOLDER-MH 6"*
	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR WITH MICROPHONE-SEMI FLUSH-MH 5" TO TOP - SIMPLEX YM9067
	FIRE ALARM SYSTEM CONTROL PANEL-SEMI FLUSH-MH 6" TO TOP
	FIRE ALARM INDIVIDUALLY ADDRESSABLE ZONE MODULE-FLUSH MOUNTED- MH 5"*
	FIRE ALARM INDIVIDUALLY ADDRESSABLE RELAY/SIGNAL MODULE-FLUSH MOUNTED-MH 5"
	EXISTING ITEMS ARE TO REMAIN-UNO
	ALL EXISTING ITEMS "DASHED" ARE TO BE REMOVED-UNO
*	REMOVE EXISTING ITEM INCLUDING ASSOCIATED CONDUIT AND WIRING NO LONGER IN SERVICE BACK TO SOURCE.
	EXISTING FIRE ALARM SYSTEM CONTROL PANEL TO BE REMOVED-UNO
	EXISTING FA NOTIFICATION CIRCUIT PANEL-TO BE REMOVED
	EXISTING FIRE ALARM SYSTEM REMOTE ANNUNCIATOR TO BE REMOVED-UNO
	EXISTING FIRE ALARM SIGNAL-STROBE LIGHT ONLY TO BE REMOVED-UNO
	EXISTING FIRE ALARM SIGNAL-HORN W/STROBE LIGHT TO BE REMOVED-UNO
	EXISTING SMOKE DETECTOR TO BE REMOVED-UNO
	EXISTING HEAT DETECTOR TO BE REMOVED-UNO
	EXISTING CARBON MONOXIDE DETECTOR TO BE REMOVED-UNO
	EXISTING INDIVIDUALLY ADDRESSABLE ZONE MODULE TO BE REMOVED-UNO
	EXISTING INDIVIDUALLY ADDRESSABLE RELAY/SIGNAL MODULE TO BE REMOVED-UNO
	EXISTING FIRE ALARM SIGNAL-HORN ONLY TO BE REMOVED-UNO
	EXISTING FIRE ALARM MAGNETIC DOOR TO BE REMOVED-UNO



CONDUIT THRU WALL SEAL DETAIL

PROJECT COORDINATION SCOPE:

1. A SEPARATE BOILER PROJECT IS BEING PERFORMED SIMULTANEOUSLY WITH THIS FIRE ALARM REPLACEMENT PROJECT UNDER TWO (2) SEPARATE PERMITS. FULL COORDINATION BETWEEN ALL TRADES IS REQUIRED TO ENSURE UNINTERRUPTED SYSTEM OPERATION AND CODE COMPLIANCE. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL FIRE ALARM, SECURITY, AND LOW-VOLTAGE SYSTEM INTERFACES AND SHALL CONTACT AND HIRE THE FOLLOWING VENDORS FOR ALL SYSTEM TIE-INS, TESTING, PROGRAMMING, AND COORDINATION.
2. GENERAL TRADES SHALL BE RESPONSIBLE FOR ALL PATCHING, REPAIR, AND RESTORATION OF WALLS, CEILINGS, FLOORS, AND FINISHES IMPACTED BY THE FIRE ALARM REPLACEMENT PROJECT. THIS INCLUDES CUTTING, PATCHING, PAINTING, AND SURFACE RESTORATION NECESSARY TO RETURN AFFECTED AREAS TO EXISTING CONDITIONS. GENERAL TRADES SHALL ALSO PROVIDE ACCESS POINTS AND ANY OTHER MISCELLANEOUS CONSTRUCTION ITEMS REQUIRED TO SUPPORT THE WORK.
3. START UP TESTS, INITIAL SYSTEM PROGRAMMING AND DATA BASE ENTRIES SHALL BE PROVIDED BY RED LETTER & HABITEC SECURITY THROUGH THE ELECTRICAL CONTRACTOR. ALL FUNCTIONS SHALL BE DEMONSTRATED TO THE SATISFACTION OF THE OWNER'S DESIGNATED SYSTEM ADMINISTRATOR. AT PROJECT COMPLETION, RED LETTER & HABITEC SECURITY SHALL PROVIDE A LETTER INDICATING THAT ALL PARTS AND FUNCTIONS ARE OPERATING PROPERLY, TURN OVER TO OWNER ALL SOFTWARE LICENSING, PROVIDE RECOMMENDED MAINTENANCE AND INSPECTION SCHEDULES FOR EACH YEAR OF OPERATION, AND PROVIDE WRITTEN WARRANTY FOR EQUIPMENT AND SYSTEM FUNCTIONALITY FOR A PERIOD OF TWO YEARS. DOOR ACCESS SYSTEM TRAINING FOR THE OWNER SHALL BE PROVIDED.
4. CONTACT INFORMATION: CONTACT AND HIRE RED LETTER (888) 564-5488. CONTACT AND HIRE HABITEC SECURITY, NICK WERT (419) 205-1147.

BRANCH CIRCUIT CONDUCTOR SIZING CHART

MAX. CIRCUIT LENGTH TO FARTHEST OUTLET	CIRCUIT VOLTAGE	MINIMUM BRANCH CIRCUIT SIZE
100 FEET	120	#12 AWG
165 FEET	120	#10 AWG
265 FEET	120	#8 AWG
400 FEET	120	#6 AWG
250 FEET	277	#12 AWG
400 FEET	277	#10 AWG
550 FEET	277	#8 AWG
750 FEET	277	#6 AWG

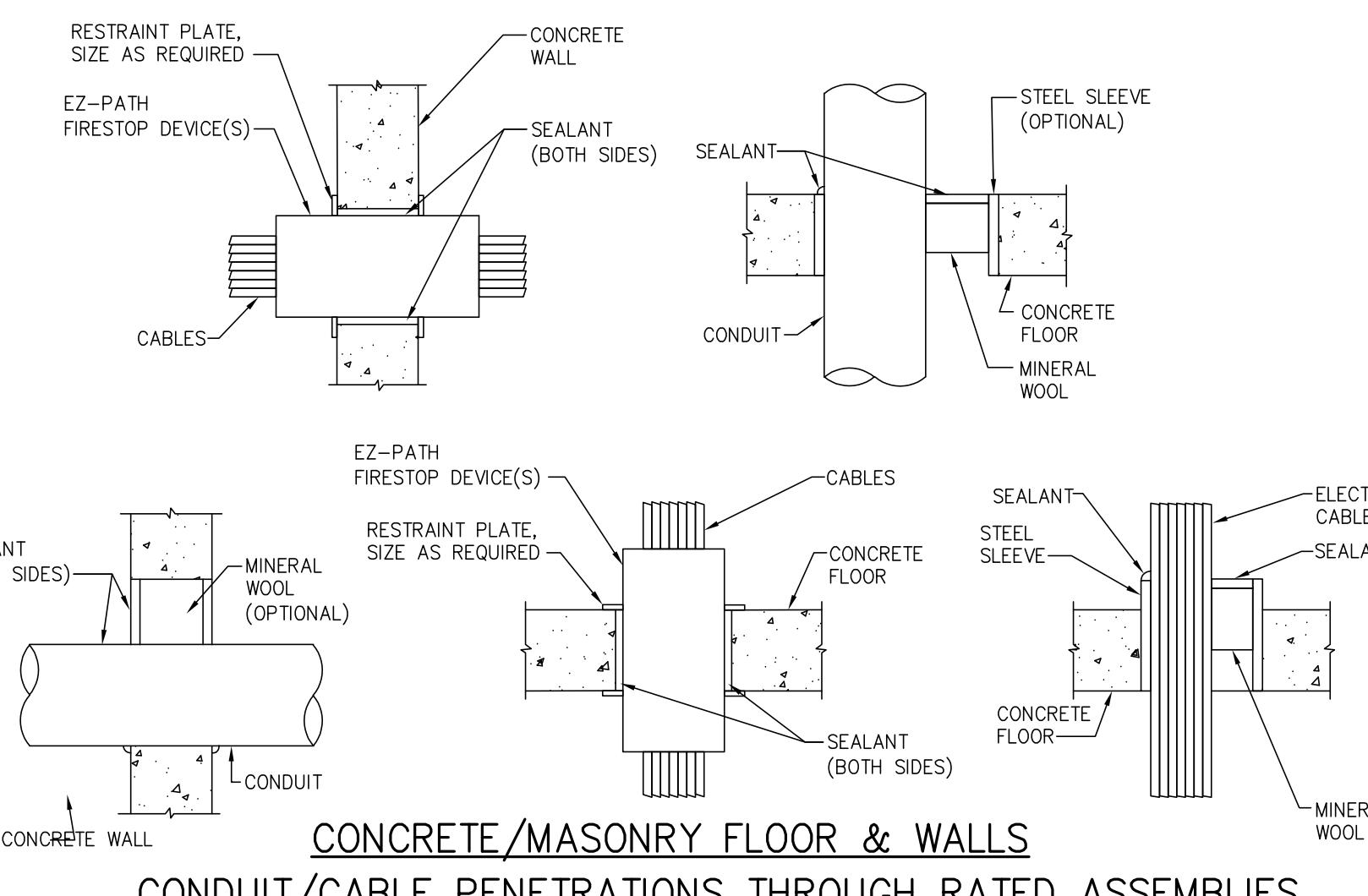
FIRE ALARM SYSTEM GENERAL NOTES:

- A. PROVIDE A COMPLETE NEW BUILDING FIRE ALARM SYSTEM THAT HAS BEEN FULLY TESTED, CERTIFIED, AND INSPECTED BY THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO THE REQUIRED OCCUPANCY DATE.
- B. NEW DEVICES, FIRE ALARM PULL STATIONS WITH VANDAL GUARD, SMOKE DETECTORS, DUCT DETECTORS, HORN(SPEAKER)/STROBE AND STROBE DEVICES SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM AND OF SIMILAR TYPE MODEL AS EXISTING DEVICES. CANDLES AND dB RATING PER NFPA 72. PROVIDE RELEASE TO DOORS WITH ACCESS CONTROL UPON FIRE ALARM SIGNAL. PROVIDE "NAC" PANEL TO EXISTING FIRE ALARM PANEL. PROVIDE NAC CARD IN EXISTING FACP. PROVIDE 120V POWER TO NAC POWER SUPPLY. PROVIDE ALL POWER-LIMITED TWISTED SHIELDED FPLP CABLEING, # 14 THHN/THWN LOW VOLTAGE CONDUCTORS AND #12 THHN/THWN LINE VOLTAGE CONDUCTORS AND CONDUIT. PROVIDE ALL CONDUIT, J-BOXES, CABLEING, CARDS, MODULES, RELAYS, PROGRAMMING AND START-UP. PROVIDE SURFACE MOUNT RACEWAYS AND BOXES AS INDICATED FOR EXISTING WALLS.
- C. PROVIDE RACEWAY FOR EACH LOW VOLTAGE DEVICE (FIRE ALARM, ACCESS CONTROL, DOOR HARDWARE) AS FOLLOWS: VERTICAL CABLE RUNS IN 3/4" CONDUIT (WITH PULL STRING AND INSULATED BUSHING STUBBED ABOVE AN ACCESSIBLE CEILING OR JOIST SPACE, AND HORIZONTAL CABLE RUNS IN J-HOOKS, EVERY 3' TO 4'. PROVIDE EACH LOW VOLTAGE DEVICE WITH A ONE-GANG DEEP J-BOX FLUSH IN WALL OR CEILING. SEE OTHER NOTES AND DRAWINGS FOR FIRE ALARM/ACCESS CONTROL/DOOR HARDWARE DEVICE, CABLE, PANEL, EQUIPMENT, ETC. REQUIREMENTS. PROVIDE 120V ELECTRICAL CONNECTION OR DUPLEX RECEPTACLE TO FIRE ALARM/ACCESS CONTROL/DOOR HARDWARE DEVICES, PANELS, AND POWER SUPPLIES.
- D. OWNER PREFERRED CONTACT INFORMATION: CONTACT AND HIRE FIRE ALARM SYSTEM REPRESENTATIVE JOHNSON CONTROLS, EMILIE J. ROACH (419) 279-3236.

M.P.S. CABLING STANDARDS

BRAND	PART NUMBER	DESCRIPTION	PURPOSE
ICC	IC1078F6BL	BLUE CAT6 KEYSTONE	KEYSTONE FOR DATA PORT DEVICES
ICC	IC1078F6RD	YELLOW CAT6 KEYSTONE	KEYSTONE FOR MISC. DATA PORT
ICC	IC1078F6YL	RED CAT6 KEYSTONE	KEYSTONE FOR AI PHONE SERVICES
ICC	IC1078F6A6BL	BLUE CAT6 KEYSTONE	KEYSTONE FOR DATA PORT DEVICES
ICC		CLASSIC CONFIGURABLE FACEPLATES WITH STATION ID (IVORY)	WALL PLATES FOR DATA PORTS
ICC	ICMP48C61	48 PORT HIGH-DENSITY PATCH PANEL, FEED THROUGH COUPLERS	PATCH BAY FOR DATA PORTS IN DATA CABINET
		LIGHT BLUE CABLING FIBEROPTIC MULTIMODE	FIBER OPTIC NETWORK SERVICES
		DARK GRAY CABLING	16-GAUGE CABLING FOR HABITEC SECURITY
		RED CABLING	CABLING FOR FIRE ALARM
		WHITE CABLING	CABLING FOR ACCESS CONTROL
		BEIGE CABLING	CABLING FOR HVAC / BOILER SERVICES
		CAT 6 550 MHZ PLENUM YELLOW	DATA CABLE FOR ALL CAT6 PORTS
		CAT5E 350 MHZ PLENUM BLUE	DATA CABLE FOR ALL PORTS TELCO DEVICES
		CAT 6A 23 AWG, 4 PAIR SOLID RISER WHITE	
		CAT6A PATCH CABLE - 1FT (RED, BLUE, YELLOW)	PATCH CABLE FOR PORTS WITH DATA CABINET

1. ALL CABLING INSTALLED MUST BE OF CMP (PLENUM) GRADE. THIS IS TO KEEP WITH STANDARDS IN PLACE WITH DISTRICT-WIDE CABLING.
2. ALL DATA CABLING INSTALLED MUST BE CERTIFIED, TESTED AND CERTIFICATION PROVIDED TO OWNER AT THE END OF THE PROJECT.
3. ALL DATA CABLING MUST BE LABELED IN ACCORDANCE TO THE DISTRICT STANDARD (RACK LETTER + PORT NUMBER).
4. CONTRACTOR SHALL COORDINATE WITH ALL M.P.S. DISTRICT I.T. STANDARDS FOR BRAND, TYPE, PART NUMBER, ETC.

CONCRETE/MASONRY FLOOR & WALLS
CONDUIT/CABLE PENETRATIONS THROUGH RATED ASSEMBLIES
N.T.S.

GENERAL NOTES

① CABLE AND CONDUIT PENETRATION DETAILS ARE BASED ON A U.L. LISTED FIRE RATED ASSEMBLY (MINIMUM) UTILIZING STI FIRE STOP PRODUCTS. MANUFACTURERS SHALL BE STI, HILTI, 3M OR APPROVED EQUAL REFER TO MANUFACTURER'S SPECIFICATIONS AND INSTALLATION DETAILS FOR EXACT INSTALLATION METHODS.

② PACKING AND SEALANT DEPTHS SHALL BE PER MANUFACTURER'S SPECIFICATIONS FOR U.L. ASSEMBLY RATING COMPLIANCE.

③ ALL FIRE STOP LOCATIONS SHALL BE LABELED AT POINT OF PENETRATION. LABEL SHALL IDENTIFY FIRE STOPPING MATERIAL, U.L. LISTING NUMBER AND HOUR RATING OF WALL/FLOOR.

Digitally signed by Nicole L. Winhoven-Kamm
DN: C=US,
E=nkamm@kleinfelder.com,
O=Kleinfelder, OU=Kleinfelder,
CN=Nicole L. Winhoven-Kamm
Date: 2026.02.05 11:36:17-05'00'

ELECTRICAL DRAWING LIST

DWG. NO.	TITLE	FILE NO.
E1.01	ELECTRICAL LEGEND AND DETAILS	26003128E1.01.dwg
E2.01	FIRE ALARM SYSTEM DEMOLITION PLAN-WEST	26003128E2.01.dwg
E2.02	FIRE ALARM SYSTEM DEMOLITION PLAN-EAST	26003128E2.02.dwg
E4.01	FIRE ALARM SYSTEM PLAN-WEST	26003128E4.01.dwg
E4.02	FIRE ALARM SYSTEM PLAN-EAST	26003128E4.02.dwg

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND
SEALED USING A DIGITAL SIGNATURE AND DATE.
PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE
MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

E1.01

ELECTRICAL LEGEND
AND DETAILS

ORCHARD CENTER HIGH SCHOOL
1750 OAK STREET, MONROE, MI 48162
MONROE PUBLIC SCHOOLS
1275 N. MACOMB STREET, MONROE, MI 48162

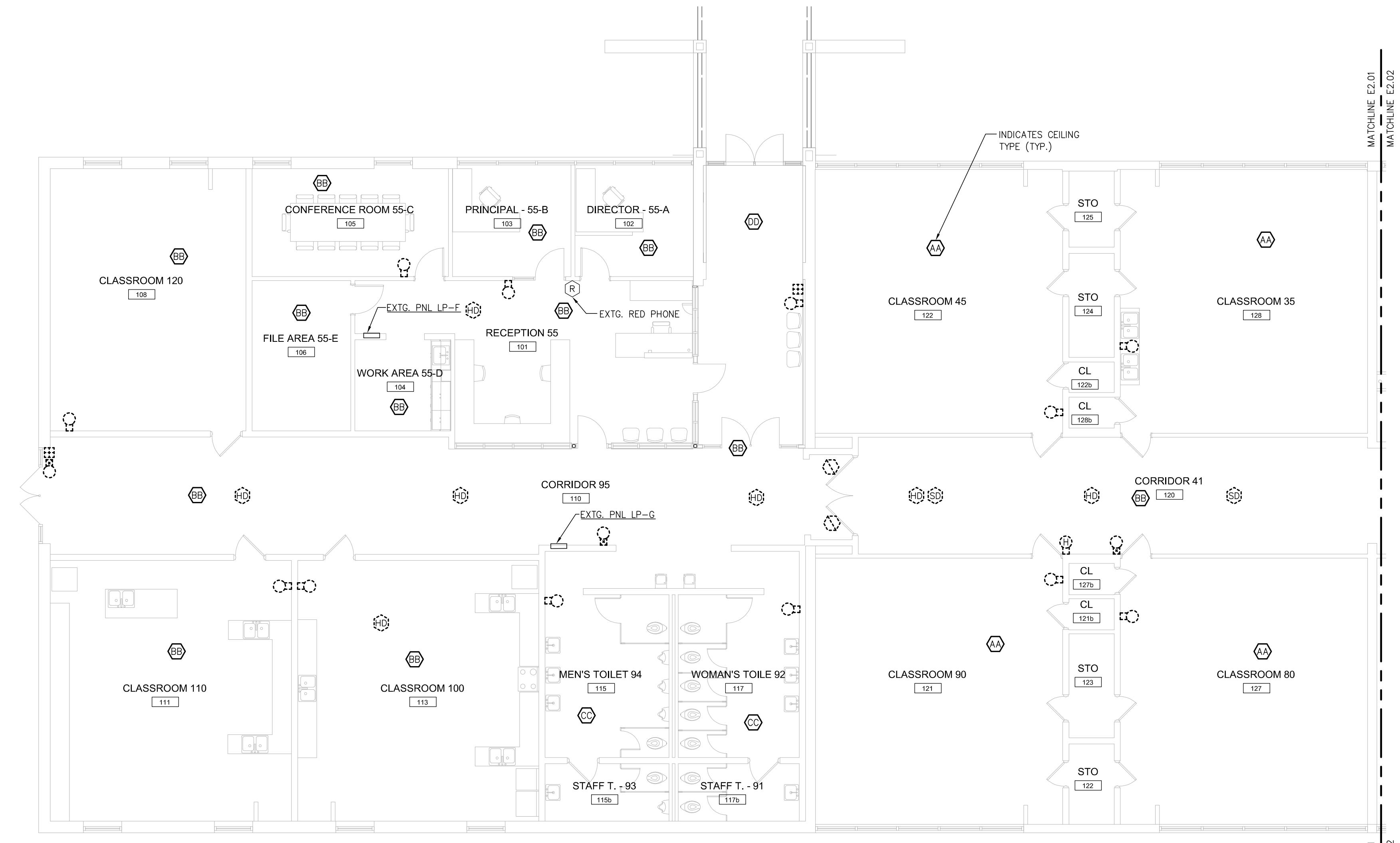
FIRE ALARM REPLACEMENT & RELATED WORK

JOB # 26104
FOR

KLEINFELDER
Bright People. Right Solutions.
Mechanical, Electrical, Plumbing, Fire Protection
52011 Lewis Commons Blvd, Suite 5201
Perryburg, OH 43551 | 419.352.5737

02/05/2026
STATE OF MICHIGAN
Nicole L. Winhoven-Kamm
License No. 6201315796
PROFESSIONAL ENGINEER
Signature

DATE 02.09.2026
DESCRIPTION BIDDING & STATE REVIEW



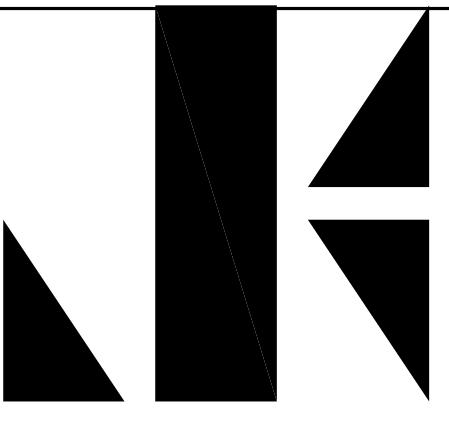
FIRE ALARM SYSTEM DEMOLITION PLAN – WEST

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

GENERAL NOTES:

1. CONTRACTOR SHALL RECEIVE APPROVAL WITH THE LOCAL AUTHORITY HAVING JURISDICTION ON REMOVAL OF THE EXISTING SYSTEM WHILE BUILDING IS OCCUPIED BEFORE NEW SYSTEM IS INSTALLED. IF ALLOWED, UNDER THESE CONDITIONS THE EXISTING FIRE ALARM SYSTEM WOULD NOT BE OPERATIONAL DURING THE CONSTRUCTION PERIOD, AND OCCUPANCY OF THE BUILDING, WHEN DESIRED BY THE OWNER, WOULD REQUIRE A 24 HOUR FIRE WATCH, COST OF WHICH WOULD BE BY THIS CONTRACTOR. ADDITIONALLY THE BIDDING CONTRACTOR SHALL AGREE TO PROVIDE A COMPLETE NEW BUILDING FIRE ALARM SYSTEM THAT HAS BEEN FULLY TESTED, CERTIFIED, AND INSPECTED BY THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO THE REQUIRED OCCUPANCY DATE AS DEFINED BY THE OWNER, OR WILL BE LIABLE FOR ALL PENALTIES AND COSTS INCURRED BY LATE OCCUPANCY OF THE SCHOOL.

EXISTING CEILING TYPE	
MARK	DESCRIPTION
AA	SPINE CEILING
BB	DROP CEILING
CC	HARD/ DRYWALL CEILING
DD	OPEN CEILING



KOHLER
ARCHITECTURE

1110 WEST FRONT STREET
MONROE, MICHIGAN 48161
WWW.KOHLERARCHITECT.NET

MAKE
Things Better

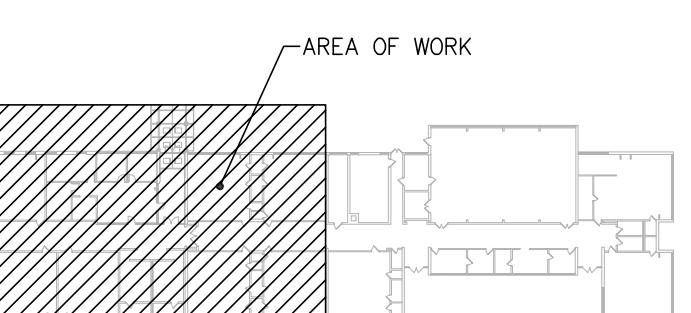


KLEINFELDER
Bright People. Right Solutions.
Mechanical, Electrical, Plumbing, Fire Protection
52011 Lewis Commons Blvd, Suite 5201
Perryburg, OH 43551 | 419.352.5367



02/05/2026
DATE
02.09.2026
DESCRIPTION
BIDDING & STATE
REVIEW

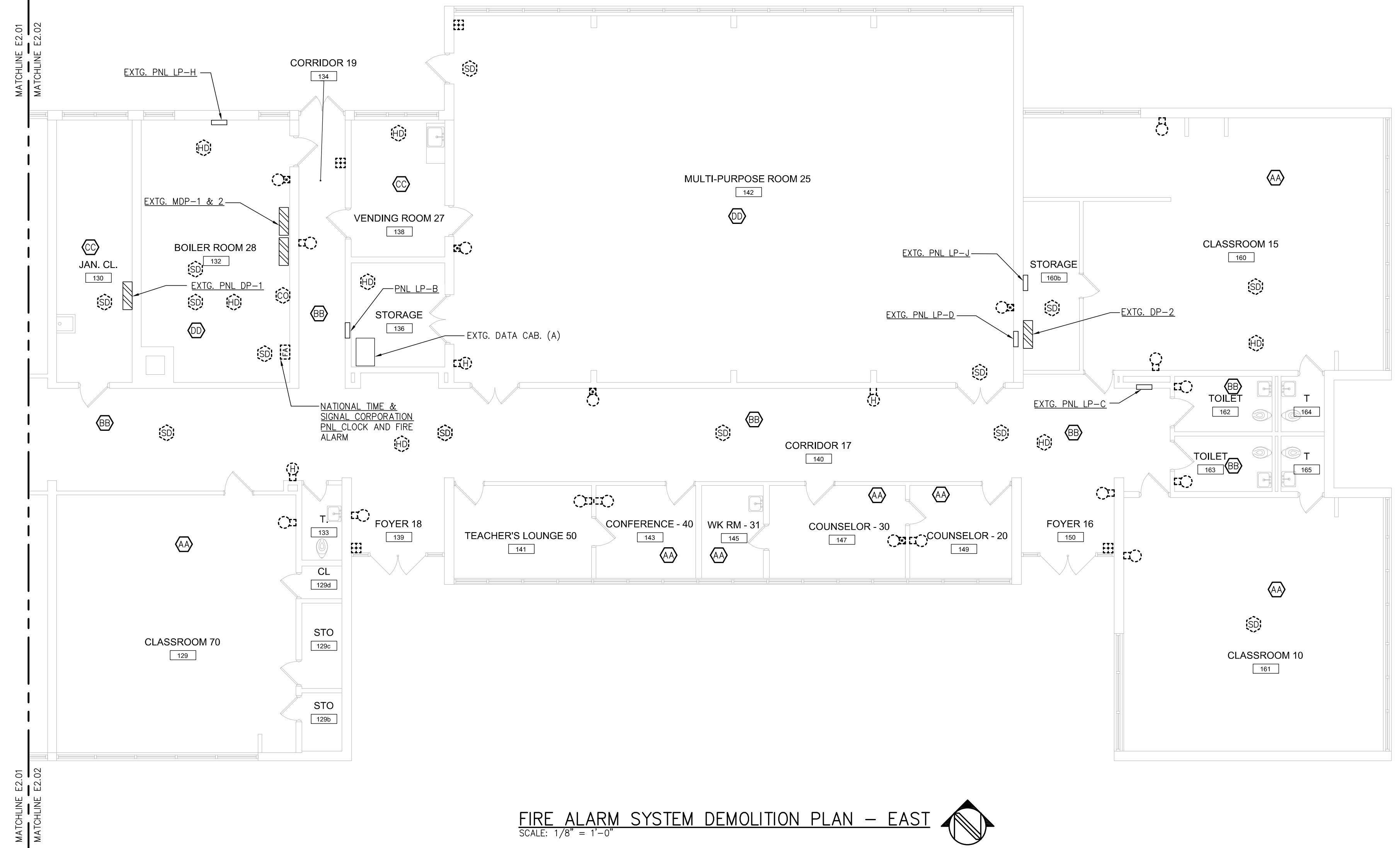
FIRE ALARM REPLACEMENT & RELATED WORK
ORCHARD CENTER HIGH SCHOOL
MONROE PUBLIC SCHOOLS
1750 OAK STREET, MONROE, MI 48161
1275 N. MACOMB STREET, MONROE, MI 48162



KEY PLAN
NO SCALE

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND
SEALED USING A DIGITAL SIGNATURE AND DATE.
PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE
MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

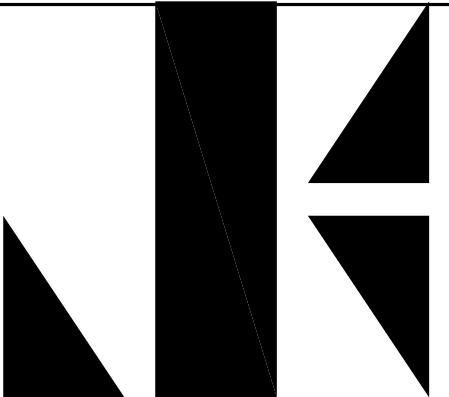
FIRE ALARM SYSTEM
DEMOLITION PLAN
- WEST
E2.01



GENERAL NOTES:

1. CONTRACTOR SHALL RECEIVE APPROVAL WITH THE LOCAL AUTHORITY HAVING JURISDICTION ON REMOVAL OF THE EXISTING SYSTEM WHILE BUILDING IS OCCUPIED BEFORE NEW SYSTEM IS INSTALLED, IF ALLOWED, UNDER THESE CONDITIONS THE EXISTING FIRE ALARM SYSTEM WOULD NOT BE OPERATIONAL DURING THE CONSTRUCTION PERIOD, AND OCCUPANCY OF THE BUILDING, WHEN DESIRED BY THE OWNER, WOULD REQUIRE A 24 HOUR FIRE WATCH, COST OF WHICH WOULD BE BILLED TO THE CONTRACTOR, ADDITIONALLY THE BIDDING CONTRACTOR OR THE AGREED UPON PROVIDER A COMPLETE WORKING FIRE ALARM SYSTEM HAS BEEN FULLY TESTED, CERTIFIED, AND INSPECTED BY THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO THE REQUIRED OCCUPANCY DATE AS DEFINED BY THE OWNER, OR WILL BE LIABLE FOR ALL PENALTIES AND COSTS INCURRED BY LATE OCCUPANCY OF THE SCHOOL.

EXISTING CEILING TYPE	
MARK	DESCRIPTION
AA	SPINE CEILING
BB	DROP CEILING
CC	HARD/ DRYWALL CEILING
DD	OPEN CEILING



KOHLER
ARCHITECTURE

1110 WEST FRONT STREET
MONROE, MICHIGAN 48161
WWW.KOHLERARCHITECT.NET

MAKE
Things Better

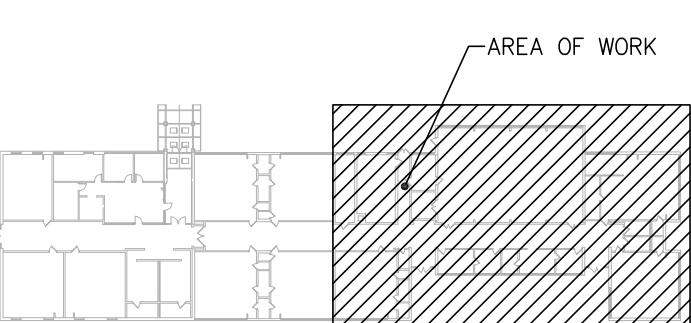


Mechanical, Electrical, Plumbing, Fire Protection
52911 Lewis Commons Blvd, Suite 5201
Perryburg, OH 43551 | 419.352.5307

02/05/2026
STATE OF MICHIGAN
Nicole Winhoven-Kamm
License No. 6201315796
PROFESSIONAL ENGINEER
Nico Winhoven-Kamm

DATE 02.09.2026 DESCRIPTION BIDDING & STATE REVIEW

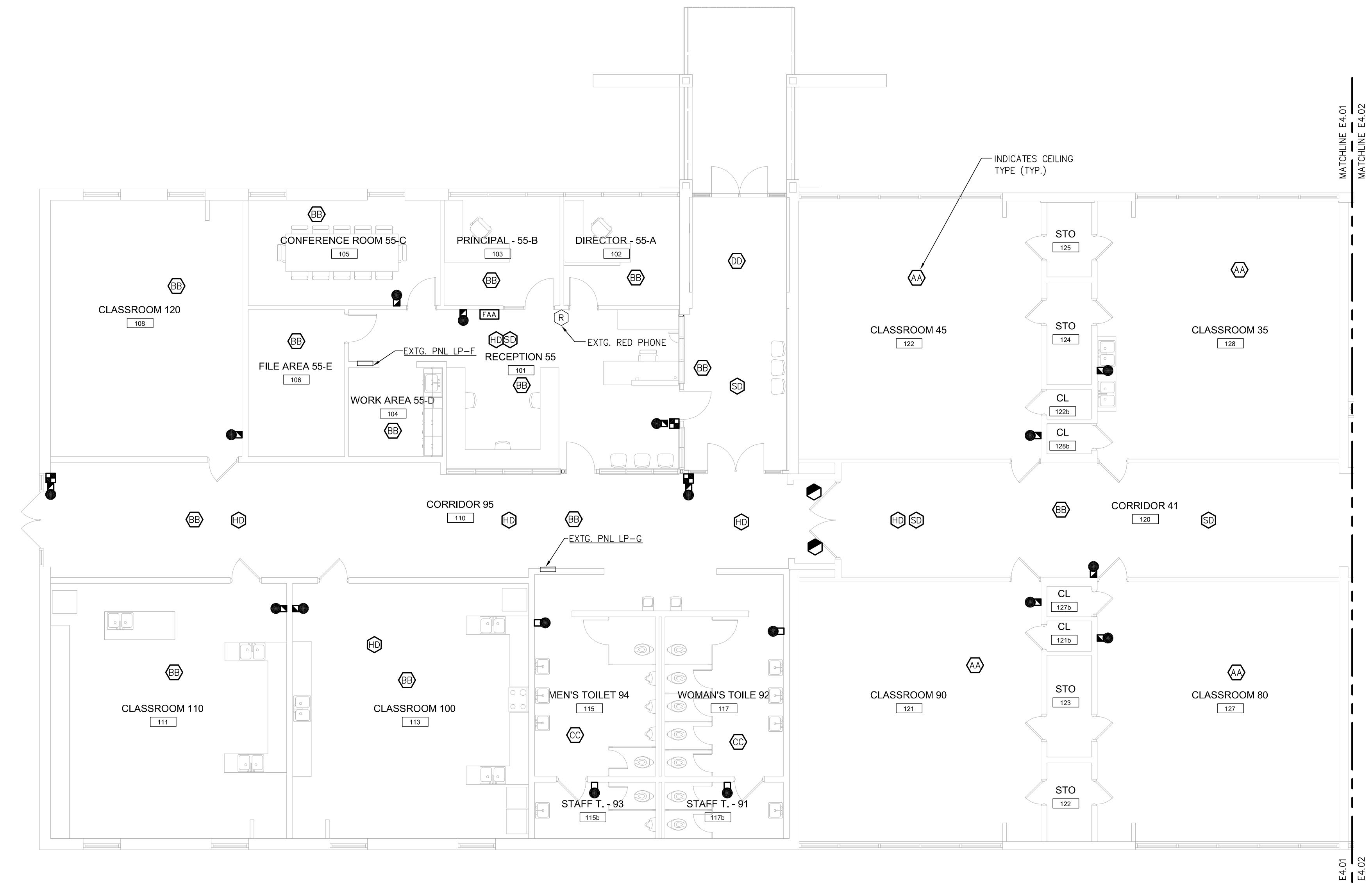
FIRE ALARM REPLACEMENT & RELATED WORK
ORCHARD CENTER HIGH SCHOOL
1750 OAK STREET, MONROE, MI 48161
MONROE PUBLIC SCHOOLS
1275 N. MACOMB STREET, MONROE, MI 48162



KEY PLAN
NO SCALE

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND
SEALED USING A DIGITAL SIGNATURE AND DATE.
PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE
MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

E2.02



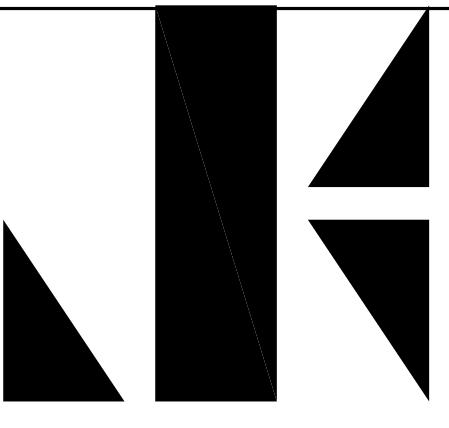
FIRE ALARM SYSTEM PLAN - WEST

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

GENERAL NOTES:

- WHERE ACCESSIBLE CEILINGS ARE PRESENT, WIRING MAY BE RUN IN METAL RACEWAYS ONLY TO REACH CEILINGS. IN CEILINGS, WITH OPEN CABINETS IN ACCESSIBLE CEILINGS AND PROPERLY SUPPORTED AS PER THE SPECIFICATIONS, WIRING IN AIR HANDLING PLENUMS SHALL BE PLENUM RATED AS REQUIRED. ALL WIRING RUN IN METAL RACEWAYS, SHALL BE IN RACEWAYS SEPARATE FROM ALL OTHER WIRING, UNLESS NOTED OTHERWISE. COORDINATE LAYOUT AND RACEWAY SIZES WITH FINAL FIRE ALARM VENDOR PRIOR TO INSTALLATION.
- ALL NEW FIRE ALARM APPLIANCES SHALL BE SURFACE MOUNTED, UNLESS NOTED OTHERWISE.
- IN FINISHED AREAS (OFFICES, CLASSROOMS, CORRIDORS, RESTROOMS, ETC.) ALL NEW FIRE ALARM RACEWAYS SHALL BE SURFACE MOUNTED RACEWAYS, CENTERED ON APPLIANCES BACK BOX. REFERENCE SURFACE MOUNTED RACEWAY DESCRIPTION ON LEGEND FOR MORE INFORMATION.
- IN UNFINISHED AREAS (STORAGE, MECH/ELEC, ETC.) ALL NEW FIRE ALARM RACEWAYS SHALL BE EM, CENTERED ON APPLIANCES BACK BOX.
- SEAL ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES WITH APPROVED FIRE-STOPPING MATERIALS. REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND SEE ARCHITECTURAL SHEET LS1.00 FOR RATED ASSEMBLY LOCATIONS.
- PATCH AND PAINT SHALL BE COVERED BY GENERAL TRADES. ALL RACEWAYS SHALL MATCH WALL FINISH. COORDINATE WITH ARCHITECT.
- COORDINATE WITH DOOR INSTALLER AND SUPPLIER FOR EXACT ROUGH-IN REQUIREMENTS FOR ALL ELECTRICAL COMPONENTS.
- ROW OF CEILING TILES NEAREST THE HALLWAY INSIDE CLASSROOMS, CONFERENCE ROOMS, OFFICES AND STORAGE ROOMS SHALL BE REMOVED BY OTHERS PRIOR TO E.C. COMMENCING WORK IN THESE AREAS.

EXISTING CEILING TYPE	
MARK	DESCRIPTION
AA	SPINE CEILING
BB	DROP CEILING
CC	HARD/ DRYWALL CEILING
DD	OPEN CEILING



KOHLER
ARCHITECTURE
1110 WEST FRONT STREET
MONROE, MICHIGAN 48161
WWW.KOHLERARCHITECT.NET

MAKE
Things Better

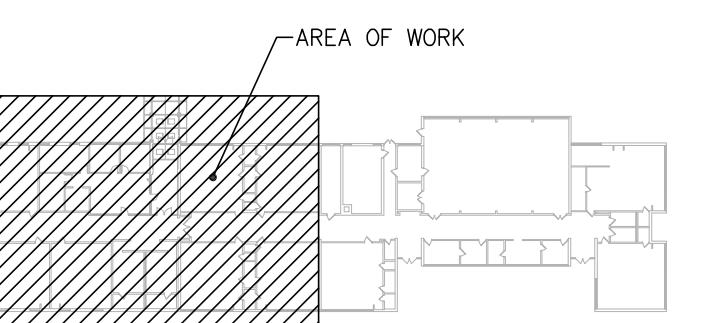


Mechanical, Electrical, Plumbing, Fire Protection
52011 Lewis Commons Blvd, Suite 5201
Perryburg, OH 43551 | 419.352.5337

02/05/2026
STATE OF MICHIGAN
Nicole Winhoven-Kamm
License No. 6201315796
PROFESSIONAL ENGINEER
Nicoletta Winhoven-Kamm

DATE 02.09.2026
DESCRIPTION BIDDING & STATE REVIEW

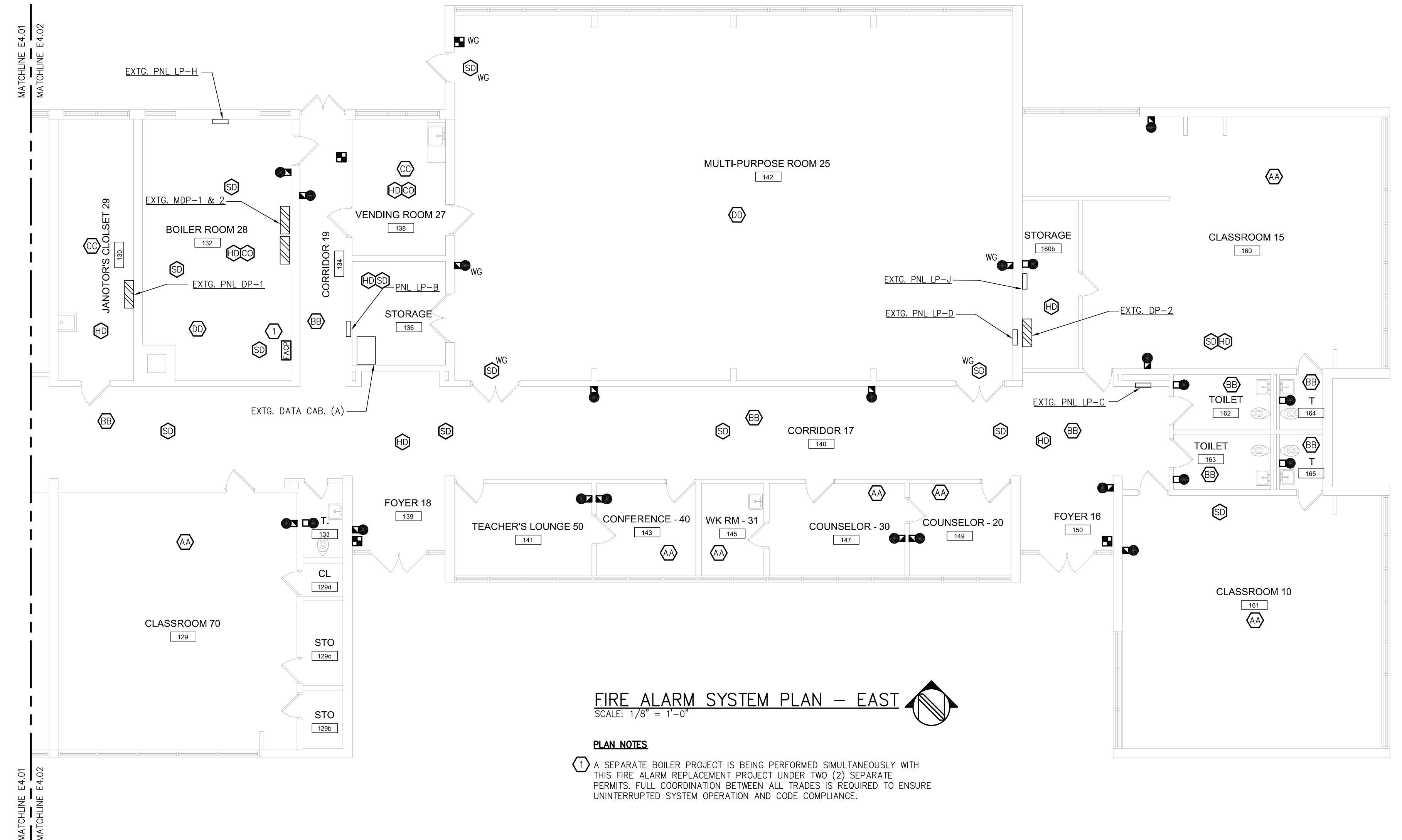
FIRE ALARM REPLACEMENT & RELATED WORK
ORCHARD CENTER HIGH SCHOOL
1750 OAK STREET, MONROE, MI 48161
MONROE PUBLIC SCHOOLS
1275 N. MACOMB STREET, MONROE, MI 48162



KEY PLAN
NO SCALE

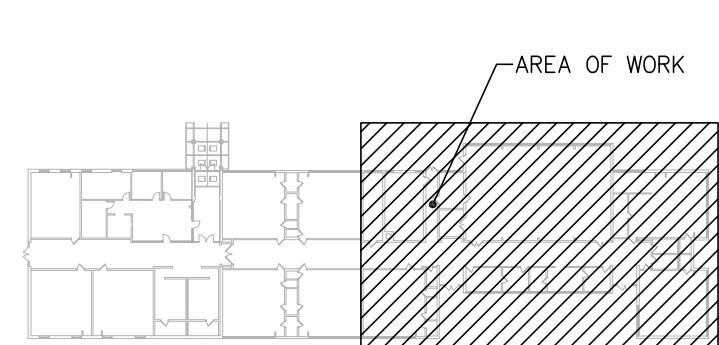
THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND
SEALED USING A DIGITAL SIGNATURE AND DATE.
PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE
MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

E4.01



GENERAL NOTES:

1. WHERE ACCESSIBLE CEILINGS ARE PRESENT, WIRING MAY BE RUN IN METAL RACEWAYS ONLY TO ABOVE ACCESSIBLE CEILINGS, WITH OPEN CABLING IN ACCESSIBLE CEILING AND PROPERLY SUPPORTED AS PER THE SPECIFICATIONS. WIRING IN AIR HANDLING PLENUMS SHALL BE PLENUM RATED AS REQUIRED. ALL WIRING RUN IN METAL RACEWAYS SHALL BE IN RACEWAYS SEPARATE FROM ALL OTHER TRADES. DO NOT OTHER TRADES COORDINATE LAYOUT AND RACEWAY SIZES WITH FINAL FIRE ALARM VENDOR PRIOR TO INSTALLATION.
2. ALL NEW FIRE ALARM APPLIANCES SHALL BE SURFACE MOUNTED, UNLESS NOTED OTHERWISE.
3. IN FINISHED AREAS (OFFICES, CLASSROOMS, CORRIDORS, RESTROOMS, ETC.) ALL NEW FIRE ALARM RACEWAYS SHALL BE SURFACE MOUNTED RACEWAYS, CENTERED ON APPLIANCES BACK BOX. REFERENCE SURFACE MOUNTED RACEWAY DESCRIPTION ON LEGEND FOR MORE INFORMATION.
4. IN UNFINISHED AREAS (STORAGE, MECH/ELEC, ETC.) ALL NEW FIRE ALARM RACEWAYS SHALL BE EMT, CENTERED ON APPLIANCES BACK BOX.
5. SEAL ALL PENETRATIONS THRU FIRE RATED ASSEMBLIES WITH APPROVED FIRE-STOPPING MATERIALS. REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND SEE ARCHITECTURAL SHEET LS1.00 FOR RATED ASSEMBLY LOCATIONS.
6. PATCH AND PAINT SHALL BE COVERED BY GENERAL TRADES. ALL RACEWAYS SHALL MATCH WALL FINISH. COORDINATE WITH ARCHITECT.
7. COORDINATE WITH DOOR INSTALLER AND SUPPLIER FOR EXACT ROUGH-IN REQUIREMENTS FOR ALL ELECTRICAL COMPONENTS.
8. ROW OF CEILING TILES NEAREST THE HALLWAY INSIDE CLASSROOMS, CONFERENCE ROOMS, OFFICES AND STORAGE ROOMS SHALL BE REMOVED BY OTHERS PRIOR TO E.C. COMMENCING WORK IN THESE AREAS.



KEY PLAN
NO SCALE

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED USING A DIGITAL SIGNATURE AND DATE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

EXISTING CEILING TYPE	
MARK	DESCRIPTION
AA	SPINE CEILING
BB	DROP CEILING
CC	HARD/ DRYWALL CEILING
DD	OPEN CEILING

KOHLER
ARCHITECTURE
1110 WEST FRONT STREET
MONROE, MICHIGAN 48161
WWW.KOHLERARCHITECT.NET

MAKE
Things Better

KLEINFELDER
Bright People. Right Solutions.

Mechanical, Electrical, Plumbing, Fire Protection
52011 Lewis Commons Blvd, Suite 5201
Perryburg, OH 43551 | 419.352.5307

02/05/2026
STATE OF MICHIGAN
Nicole Winhoven-Kamm
License No. 6201315796
PROFESSIONAL ENGINEER
Nico Winhoven-Kamm

DATE 02.09.2026 DESCRIPTION BIDDING & STATE REVIEW

FIRE ALARM REPLACEMENT & RELATED WORK
ORCHARD CENTER HIGH SCHOOL
1750 OAK STREET, MONROE, MI 48161
MONROE PUBLIC SCHOOLS
1275 N. MACOMB STREET, MONROE, MI 48162

AT FOR

JOB # 26104

FIRE ALARM SYSTEM
PLAN - EAST

E4.02