



FIRE ALARM REPLACEMENT & RELATED WORK AT ORCHARD CENTER HIGH SCHOOL

1750 OAK STREET, MONROE, MICHIGAN 48161



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ARCHITECTURE
1110 WEST FRONT STREET
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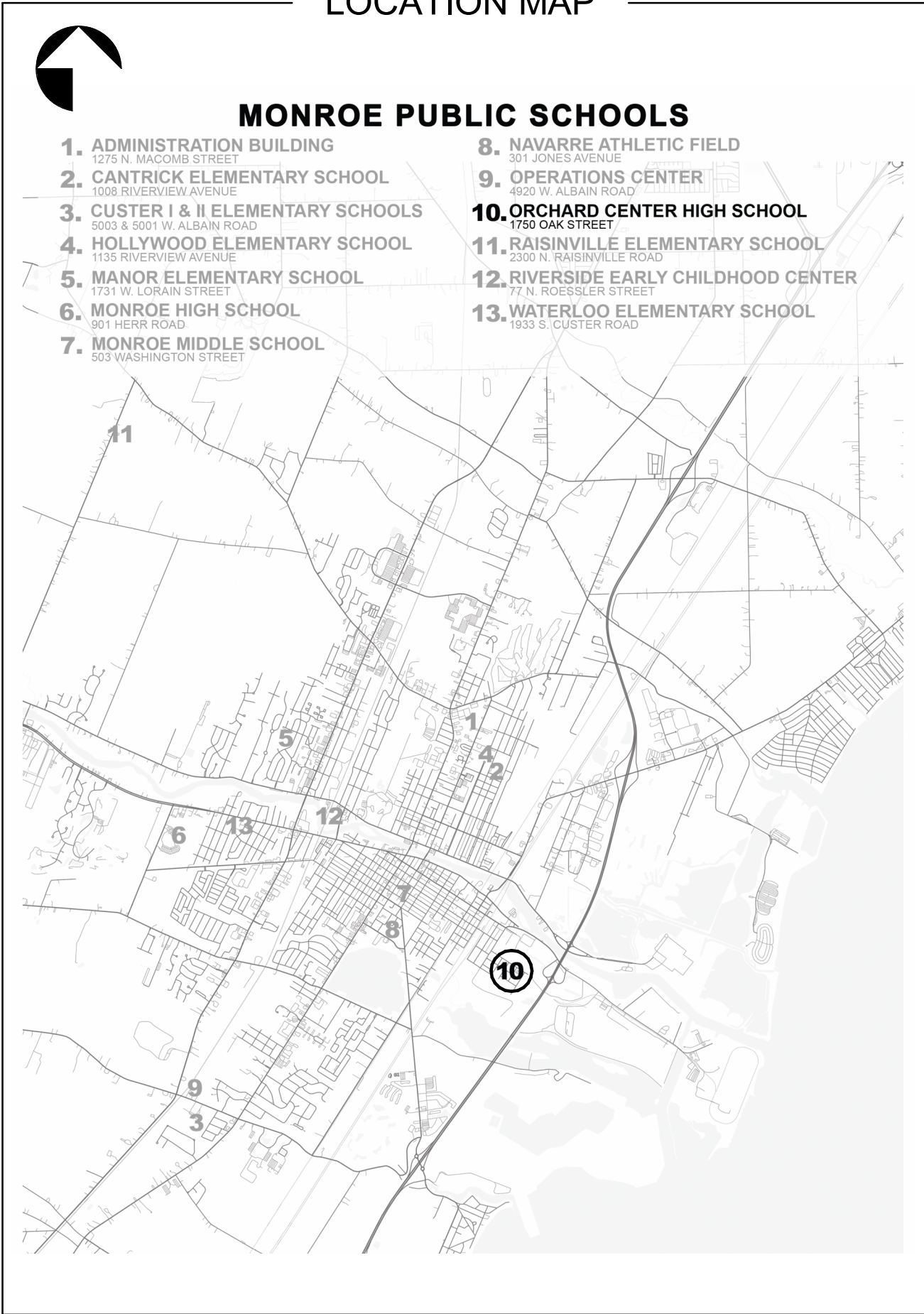
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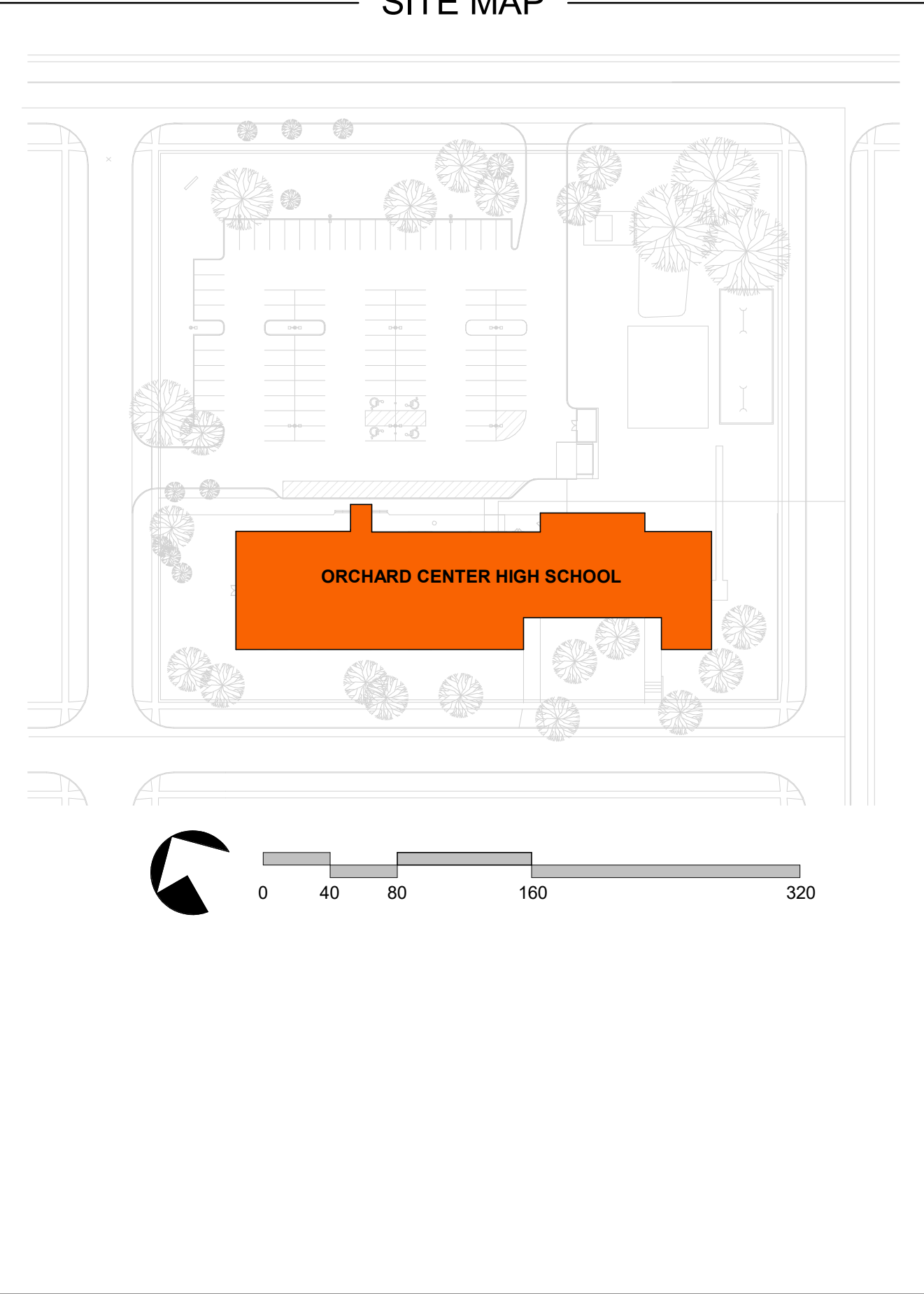
STATE OF MICHIGAN
KEITH J. KOHLER
ARCHITECT
NO. 1301051757
LICENSED PROFESSIONAL ARCHITECT
2/9/2026

DATE	DESCRIPTION
02.09.2026	BIDDING & STATE REVIEW

LOCATION MAP



SITE MAP



PROJECT DIRECTORY

OWNER:
MONROE PUBLIC SCHOOLS
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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.

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FIRE ALARM REPLACEMENT & RELATED WORK

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

SYMBOLS LEGEND

BUILDING SECTION CUT

WALL SECTION CUT

DETAIL SECTION CUT

EXTERIOR ELEVATIONS

INTERIOR ELEVATIONS

REVISIONS

REVISION TAG & BUBBLE

ENLARGED PLAN/DETAIL

DETAIL NUMBER

BOARDER OF ENLARGED AREA

SHEET SECTION IS SHOWN ON

DRAWING TAGS

101 — DOOR TAG

11 — WINDOW TAG

11 — WALL TAG

X — SITE KEYNOTE

X — CONSTRUCTION KEYNOTE

X — DEMOLITION KEYNOTE

X — CEILING KEYNOTE

X — ROOF KEYNOTE

SLOPE RATIO — SLOPE TAG

TRUE NORTH ARROW

ROOM NAME 101 TYP. ROOM TAG W/ NUMBER

GENERAL NOTES

- 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.
- 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
- 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.
- 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.
- 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.
- 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 REPLACED / REPAIRED AT CONTRACTORS EXPENSE.
- CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS (DO NOT SCALE DRAWINGS), WHERE NONE ARE PRESENT OR IN CONFLICT WITH WRITTEN, FIELD MEASURE AND/OR OR NOTIFY ARCHITECT FOR CLARIFICATION.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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).
- 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.
- 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

ORCHARD CENTER HIGH SCHOOL

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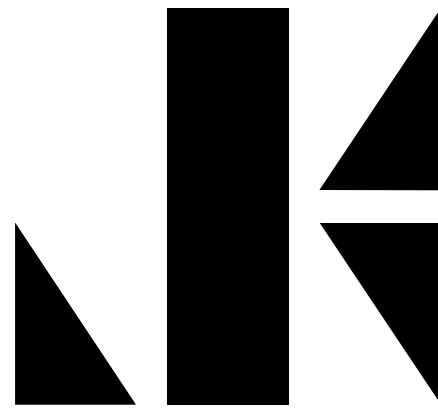
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JOB #

26104

ABBREVIATIONS, LEGENDS, SYMBOLS

T1.00



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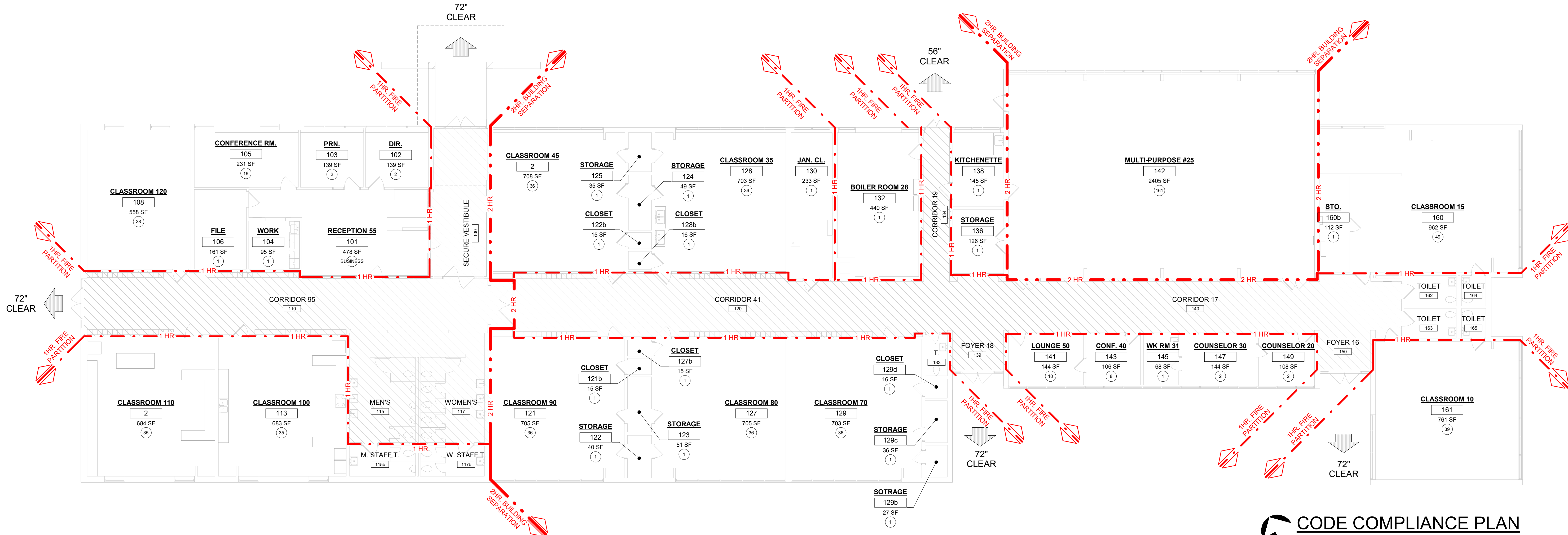
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CODE COMPLIANCE
PLAN

LS1.00



CODE COMPLIANCE PLAN
SCALE: 1" = 10'-0"

ORCHARD CENTER HIGH SCHOOL

1750 Oak Street, Monroe, MI

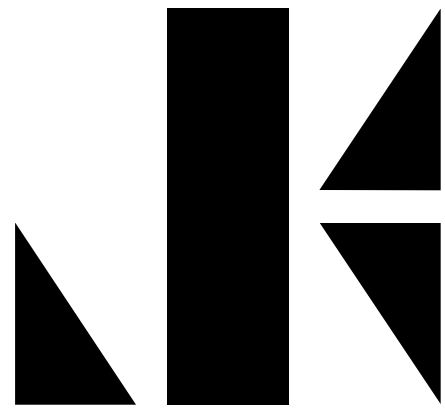
BUILDING CODE REVIEW

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) = 18,917 S.F.
BUILDING OCCUPANCY TYPE:	(SEC. 305.1)
CONSTRUCTION TYPE:	(SEC. 602.5, TABLE 601)
ALLOWABLE AREA:	(TABLE 506.2) 12,000 S.F.
INCREASE ALLOWABLE:	(SEC. 506.2.1) N.R.
ALLOWABLE HEIGHTS:	(TABLE 504.3) 55'
ALLOWABLE NUMBER OF STORIES:	(TABLE 504.4) 2
HEIGHT MODIFICATION:	(SEC. 504.3) N.A.
FIRE RESISTIVE CONSTRUCTION:	
STRUCTURAL FRAMING:	(TABLE 601) 0
BEARING WALLS:	
EXTERIOR:	(TABLE 601.602) 0 (NFPA 101, TABLE A.8.2.1.2) 0
INTERIOR:	(TABLE 601) 0 (NFPA 101, TABLE A.8.2.1.2) 0
NON-BEARING WALLS:	
EXTERIOR:	(TABLE 601.602) 1 HR. <=5' (NFPA 5000, TABLE 7.3.2.1) 1 HR. < 3'
INTERIOR:	(TABLE 601) 0 (NFPA 101, TABLE A.8.2.1.2) 0
FLOOR CONSTRUCTION:	(TABLE 601) 0 (NFPA 101, TABLE A.8.2.1.2) 0
ROOF CONSTRUCTION:	(TABLE 601) 0 (NFPA 101, TABLE A.8.2.1.2) 0
FIRE WALLS:	(SEC. 706, TABLE 706.4) 2 HR. (AREA SEPARATION)
FIRE BARRIER:	
INT. EXIT STAIR/RAMP:	(SEC. 1023.2) N/A
EXIT ACCESS STAIR:	(SEC. 713.4) N/A
EXIT PASSAGEWAY:	(SEC. 708) N/A
HORIZ. EXIT (REFUGE AREA):	(SEC. 1028.1) N/A
ATRIUM:	(SEC. 404.6) N/A
INCIDENTAL USES:	(TABLE 509) BOILER ROOMS - 1 HR. OR SPRINKLER IN GROUP E: LABORATORIES & VOCATIONAL SHOPS - 1 HR.
CONTROL AREA:	(SEC. 414.2.4) N/A
SEPARATED OCCUPANCIES:	(SEC. 508.4, TABLE 508.4) N/A
FIRE AREAS:	(SEC. 707.3.10) 2 HR.
EXT. DOORS + WINDOWS:	(TABLE 705.8) NO LIMIT > 30FT. FIRE SEPARATION
FIRE PARTITIONS:	
CORRIDOR WALLS:	(SEC. 708, SEC. 1020.1) 1 HR. W/O SPRINKLER SYSTEM AND > 30 PEOPLE (NFPA 101, SEC 15.3.6) 1/2 HR. W/O SPRINKLER SYSTEMS (SEC. 709.4) N/A
SMOKE BARRIERS:	
OPENINGS PROTECTIVES:	
CORRIDOR DOORS:	(TABLE 716.5) 20 MIN. IN (1) HR. WALLS
CORRIDOR OPENINGS:	(TABLE 716.5) 45 MIN.
DRAFTSTOPPING:	(SEC. 718) REQUIRED IF COMBUSTIBLE CONSTRUCTION IN FLOOR / CEILING
FIRE BLOCKING:	(SEC. 718) REQUIRED IF COMBUSTIBLE CONSTRUCTION IN WALLS
FIRE SPRINKLERS:	(SEC. 901.7, SEC. 903.2.3) REQUIRED IF FIRE AREA > 12,000 S.F. (BETWEEN FIRE SEPARATION)
FIRE ALARMS:	(SEC. 907.2.3) REQUIRED IN GROUP E OCCUPANCY WITH > 50 OCCUPANTS (NEW BUILDINGS AND STRUCTURES)
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:	(SEC. 1010)	MIN. 34" WIDE EXIT (36" WIDE FOR ADA)
ENCROACHEMENT	(SEC. 1005.7)	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:	(SEC. 1009.2.1) (SEC. 3001.2)	N/A ELEVATORS REQUIRED TO BE ACCESSIBLE OR SERVE ACCESSIBLE MEANS OF EGRESS SHALL COMPLY WITH SEC. 1009 AND 1109.7

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



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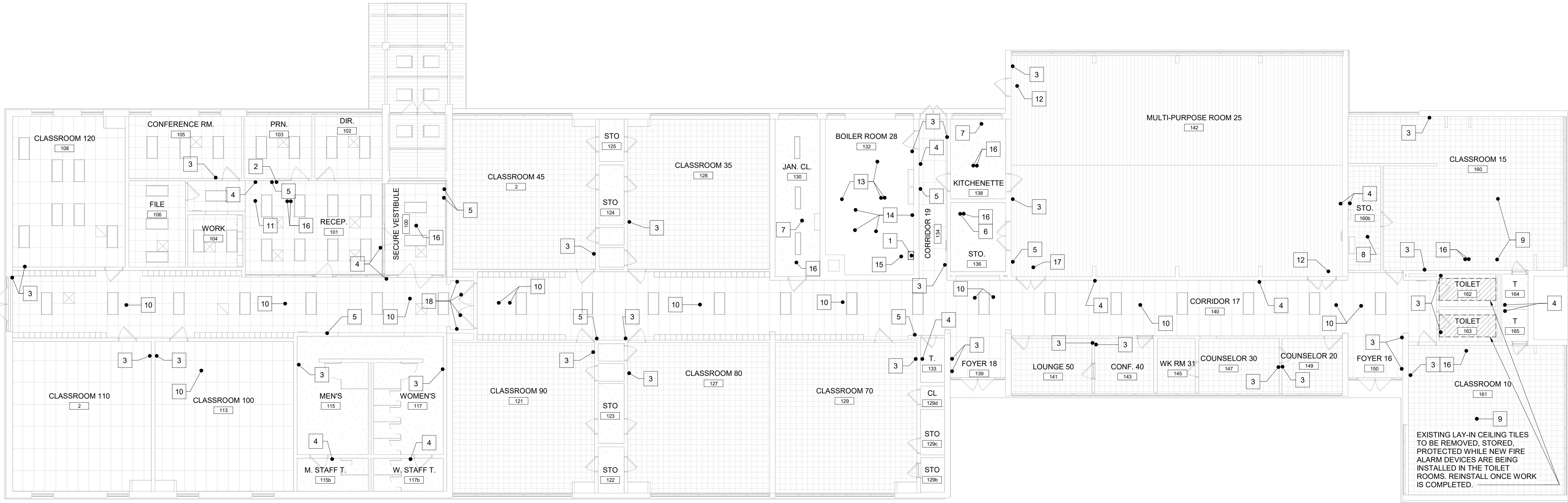
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OVERALL REFLECTED
CEILING PLAN W /
FIRE ALARM
COORDINATION

A1.00

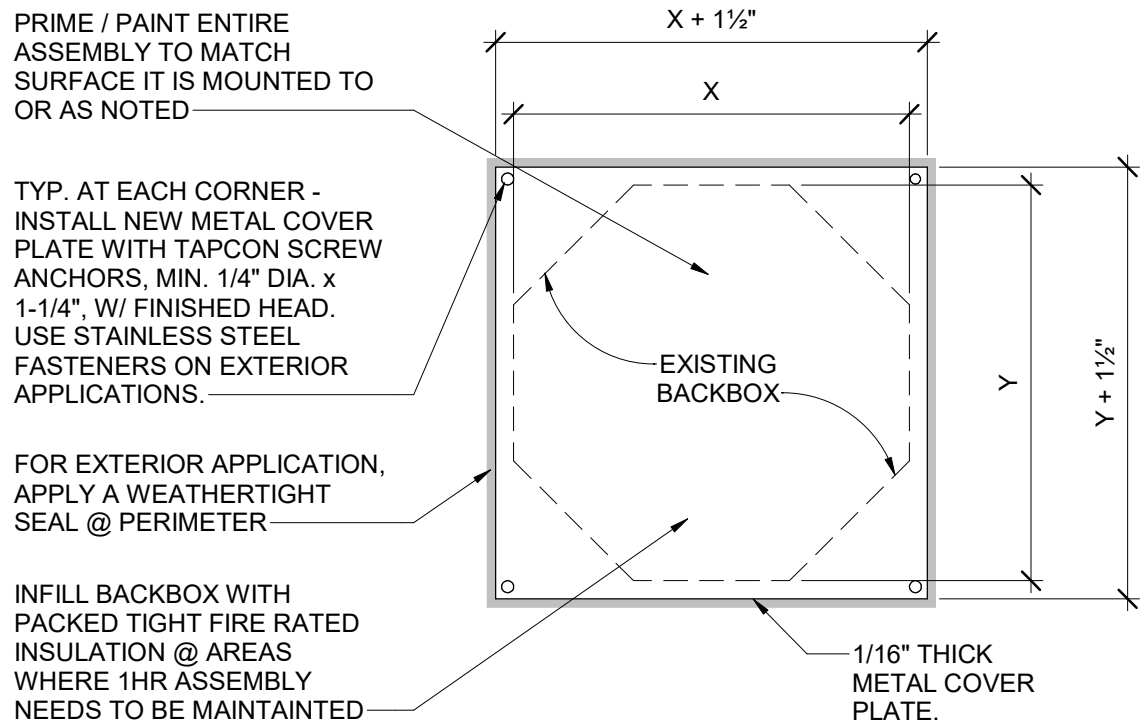


REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
	EXISTING 2'x2' LAY-IN CEILING TILES.
	EXISTING 2'x4' LAY-IN CEILING TILES
	EXISTING 12'x12" GLUED CEILING TILES
	EXISTING WOOD SLAT CEILING
	EXISTING WOOD SLAT CEILING
	NO CEILING EXPOSED TO DECK ABOVE.
	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 XT'G 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.



NOTE: AVERAGE METAL COVER PLATE SIZE IS 12"x12". FIELD VERIFY AFTER REMOVAL OF ELECTRICAL EQUIPMENT TO DETERMINE ACTUAL SIZE OF BACKBOX. SIZE NEW COVER PLATE AS INDICATED ABOVE.

TYP. COVER PLATE

SCALE: 1 1/2" = 1'-0"

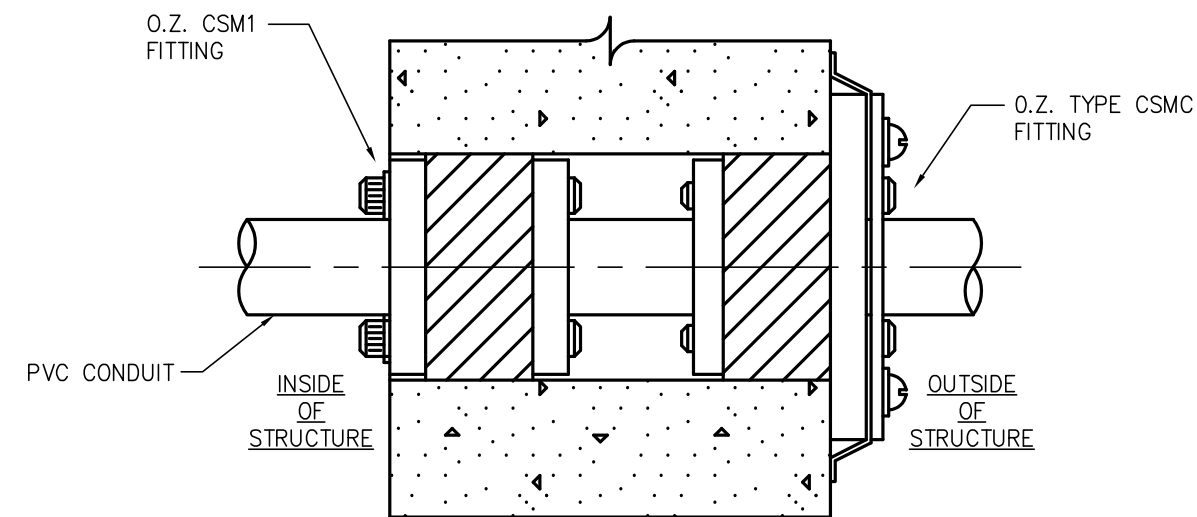
FIRST FLOOR OVERALL RCP
SCALE: 1" = 10'-0"

FIRE ALARM COORDINATION KEYNOTES

- | # | KEYNOTE |
|----|--|
| 1 | FIRE ALARM CONTROL PANEL TO BE REMOVED & NEW CONTROL PANEL TO BE INSTALLED IN SAME LOCATION. FINISH WORK IN BOILER ROOM TO BE COORDINATED WITH CONTRACTOR ASSOCIATED WITH OTHER CONTRACTED WORK BEING COMPLETED. |
| 2 | NEW FIRE ALARM ANNUNCIATOR PANEL TO BE INSTALLED. ANY NEW EXPOSED DEVICE BOX AND RACEWAY TO BE PAINTED. COLOR TO MATCH EXISTING WALL. |
| 3 | WALL MOUNTED FIRE ALARM DEVICE BEING REMOVED & REPLACED. COMPLETED INSTALLATION TO HAVE ANY EXPOSED SURFACE, NOT PREVIOUSLY EXPOSED, PATCHED AND PAINTED TO A SMOOTH FINISH, COLOR TO MATCH EXISTING WALL. |
| 4 | NEW WALL MOUNTED FIRE ALARM DEVICE BEING INSTALLED IN NEW LOCATION. NEW EXPOSED DEVICE BOX AND RACEWAY TO BE PAINTED SAME COLOR AS EXISTING WALL. |
| 5 | EXISTING WALL MOUNTED FIRE ALARM DEVICE AND CABELING TO BE REMOVED. INSTALL NEW BLANK METAL COVER PLATE FLUSH TO CONCEAL BACK BOX - PRIME / PAINT TO MATCH EXISTING WALL. REFER TO TYP. DETAIL THIS SHEET. |
| 6 | CEILING MOUNTED FIRE ALARM DEVICE TO BE REMOVED & REPLACED. EXISTING GLUED TILE TO BE REPLACED AS REQUIRED. NEW MATERIAL TO BE REVIEWED/APPROVED BY THE ARCHITECT. |
| 7 | EXISTING CEILING MOUNTED FIRE ALARM DEVICE TO BE REMOVED FROM GYP. BD. CEILING. ALL ASSOCIATED CABELING TO BE REMOVED, SURFACE TO BE PATCHED & PAINTED TO A SMOOTH FINISH TO MATCH EXISTING. |
| 8 | CEILING MOUNTED FIRE ALARM DEVICE TO BE REMOVED & REPLACED. REPLACE GLUED CEILING TILE AS REQUIRED. NEW MATERIAL TO BE REVIEWED/APPROVED BY THE ARCHITECT. |
| 9 | EXISTING CEILING MOUNTED FIRE ALARM DEVICE AND CABELING TO BE REMOVED. REPLACE GLUED CEILING TILE AS REQUIRED TO MATCH EXISTING. NEW MATERIAL TO BE REVIEWED/APPROVED BY THE ARCHITECT. |
| 10 | CEILING MOUNTED FIRE ALARM DEVICE TO BE REMOVED & REPLACED. REPLACE LAY-IN CEILING TILE AS REQUIRED. NEW MATERIAL TO BE REVIEWED/APPROVED BY ARCHITECT. |
| 11 | EXISTING CEILING MOUNTED FIRE ALARM DEVICE TO BE REMOVED. INSTALL NEW LAY-IN CEILING TILE. NEW MATERIAL TO BE REVIEWED/APPROVED BY ARCHITECT. |
| 12 | CEILING MOUNTED FIRE ALARM DEVICE TO BE REMOVED & REPLACED. COMPLETED INSTALLATION TO HAVE ANY EXPOSED SURFACE, NOT PREVIOUSLY EXPOSED, PATCHED AND PAINTED TO A SMOOTH FINISH, COLOR TO MATCH EXISTING WOOD SLAT CEILING. |
| 13 | NEW FIRE ALARM DEVICES TO BE MOUNTED TO EXPOSED ROOF STRUCTURE IN GENERAL AREA. NEW CONDUIT AND JUNCTION BOXES TO REMAIN UNFINISHED. REFER TO ELEC. DWGS FOR MORE INFO. |
| 14 | EXISTING FIRE ALARM DEVICES BACK BOXES AND CONDUITS NOT BEING RE-USED TO BE REMOVED FROM EXPOSED ROOF STRUCTURE. |
| 15 | EXISTING FIRE ALARM DEVICE TO BE REMOVED & REPLACED FROM EXPOSED ROOF STRUCTURE. |
| 16 | NEW CEILING MOUNTED FIRE ALARM DEVICE TO BE INSTALLED ON XTG. CEILING. |
| 17 | NEW DEVICE BEING INSTALLED IN NEW LOCATION ON EXISTING WOOD SLAT CEILING. NEW EXPOSED DEVICE BOX AND RACEWAY TO BE PAINTED SAME COLOR AS CEILING. |
| 18 | EXISTING DOOR HOLD-OPEN DEVICES TO BE REMOVED AND INSTALLED WITH NEW. WALLS TO BE PATCHED AND PAINTED TO MATCH EXISTING. |

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ELECTRICAL LEGEND	
ABBREVIATIONS	
CCT E.C. EXTG. F.B.O.	CIRCUIT ELECTRICAL (SUB) CONTRACTOR EXISTING FURNISHED BY OTHERS, INSTALLED AND/OR WIRED BY ELECTRICAL CONTRACTOR
G.C. HP L.D. MAX M.C. MH MIN N/L OREQ REV R/M R/L UNO W/ WG WP	GENERAL (SUB) CONTRACTOR HORSEPOWER LOCATE AS DIRECTED MAXIMUM MECHANICAL (HVAC, PLBG, FP, OR TC) (SUB) CONTRACTOR MOUNTING HEIGHT TO BOTTOM OF DEVICE, BOX, OR FIXTURE, UNO MINIMUM NIGHT LIGHT, UNSWITCHED CIRCUIT OR EQUAL REVIEW REMOVE RELOCATE/RELOCATED UNLESS NOTED OTHERWISE COMPLETE WITH WITH WIRE GUARD WEATHERPROOF DEVICE, ENCLOSURE OR COVER PLATE.
XX,XXX	INDICATES MAXIMUM RMS SHORT CIRCUIT FAULT AT NOTED BUS PER ENGINEER'S CALCULATIONS VIA ASSUMPTIONS ON UTILITY FAULT INFORMATION.
2	INDICATES NOTE-SEE TABULATION ON SAME SHEET
WIRE TICKS	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	HOMERUN TO PANEL OR LOCATION NOTED
INDICATES CONCEALED CONDUIT UNDERGROUND/UNDERFLOOR	INDICATES CONCEALED CONDUIT UNDERGROUND/UNDERFLOOR - 3/4" MIN.
SURFACE MOUNTED RACEWAY-W/MATCHING FITTINGS, BOXES, ACCESSORIES, MOUNTING BRACKETS/SUPPORTS (NO STRAPS), ETC. WIREMOLD #W700 SERIES, HUBBELL #HBL75010W SERIES OREQ	SURFACE MOUNTED RACEWAY-W/MATCHING FITTINGS, BOXES, ACCESSORIES, MOUNTING BRACKETS/SUPPORTS (NO STRAPS), ETC. WIREMOLD #W700 SERIES, HUBBELL #HBL75010W SERIES OREQ
INDICATES LOW VOLT CABLING ROUTED THRU PLENUM OR CEILING SPACE.	INDICATES LOW VOLT CABLING ROUTED THRU PLENUM OR CEILING SPACE.
RED FIRE ALARM MANUAL PULL STATION-RED SURFACE BOX/SKIRT-CLEAR ENCLOSURE SHIELD OR (WG-WIREGUARD)-UNO-MH 44"	RED FIRE ALARM MANUAL PULL STATION-RED SURFACE BOX/SKIRT-CLEAR ENCLOSURE SHIELD OR (WG-WIREGUARD)-UNO-MH 44"
RED FIRE ALARM SIGNAL-SPEAKER W/STROBE LIGHT-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 SMOKE DETECTOR-CEILING MOUNTED
FIRE ALARM HEAT DETECTOR-CEILING MOUNTED	FIRE ALARM HEAT DETECTOR-CEILING MOUNTED
FIRE ALARM CARBON MONOXIDE DETECTOR-CEILING MOUNTED	FIRE ALARM CARBON MONOXIDE DETECTOR-CEILING MOUNTED
FIRE ALARM MAGNETIC DOOR HOLDER-MH 6"	FIRE ALARM MAGNETIC DOOR HOLDER-MH 6"
FIRE ALARM SYSTEM REMOTE ANNUNCIATOR WITH MICROPHONE-SEMI FLUSH-MH 5'0" TO TOP - SIMPLEX YM9067	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR WITH MICROPHONE-SEMI FLUSH-MH 5'0" TO TOP - SIMPLEX YM9067
FIRE ALARM SYSTEM CONTROL PANEL-SEMI FLUSH-MH 6'0" TO TOP	FIRE ALARM SYSTEM CONTROL PANEL-SEMI FLUSH-MH 6'0" TO TOP
FIRE ALARM INDIVIDUALLY ADDRESSABLE ZONE MODULE-FLUSH MOUNTED- MH 5'0"	FIRE ALARM INDIVIDUALLY ADDRESSABLE ZONE MODULE-FLUSH MOUNTED- MH 5'0"
FIRE ALARM INDIVIDUALLY ADDRESSABLE RELAY/SIGNAL MODULE-FLUSH MOUNTED-MH 5'0"	FIRE ALARM INDIVIDUALLY ADDRESSABLE RELAY/SIGNAL MODULE-FLUSH MOUNTED-MH 5'0"
EXISTING ITEMS ARE TO REMAIN-UNO	EXISTING ITEMS ARE TO REMAIN-UNO
ALL EXISTING ITEMS "DASHED" ARE TO BE REMOVED-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.	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 FIRE ALARM SYSTEM CONTROL PANEL TO BE REMOVED-UNO
EXISTING FA NOTIFICATION CIRCUIT PANEL-TO BE REMOVED	EXISTING FA NOTIFICATION CIRCUIT PANEL-TO BE REMOVED
EXISTING FIRE ALARM SYSTEM REMOTE ANNUNCIATOR TO BE REMOVED-UNO	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-STROBE LIGHT ONLY TO BE REMOVED-UNO
EXISTING FIRE ALARM SIGNAL-HORN W/STROBE LIGHT TO BE REMOVED-UNO	EXISTING FIRE ALARM SIGNAL-HORN W/STROBE LIGHT TO BE REMOVED-UNO
EXISTING FIRE ALARM PULL STATION TO BE REMOVED-UNO	EXISTING FIRE ALARM PULL STATION TO BE REMOVED-UNO
EXISTING SMOKE DETECTOR TO BE REMOVED-UNO	EXISTING SMOKE DETECTOR TO BE REMOVED-UNO
EXISTING HEAT DETECTOR TO BE REMOVED-UNO	EXISTING HEAT DETECTOR TO BE REMOVED-UNO
EXISTING CARBON MONOXIDE 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 ZONE MODULE TO BE REMOVED-UNO
EXISTING INDIVIDUALLY ADDRESSABLE RELAY/SIGNAL 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 SIGNAL-HORN ONLY TO BE REMOVED-UNO
EXISTING FIRE ALARM MAGNETIC DOOR TO BE REMOVED-UNO	EXISTING FIRE ALARM MAGNETIC DOOR TO BE REMOVED-UNO



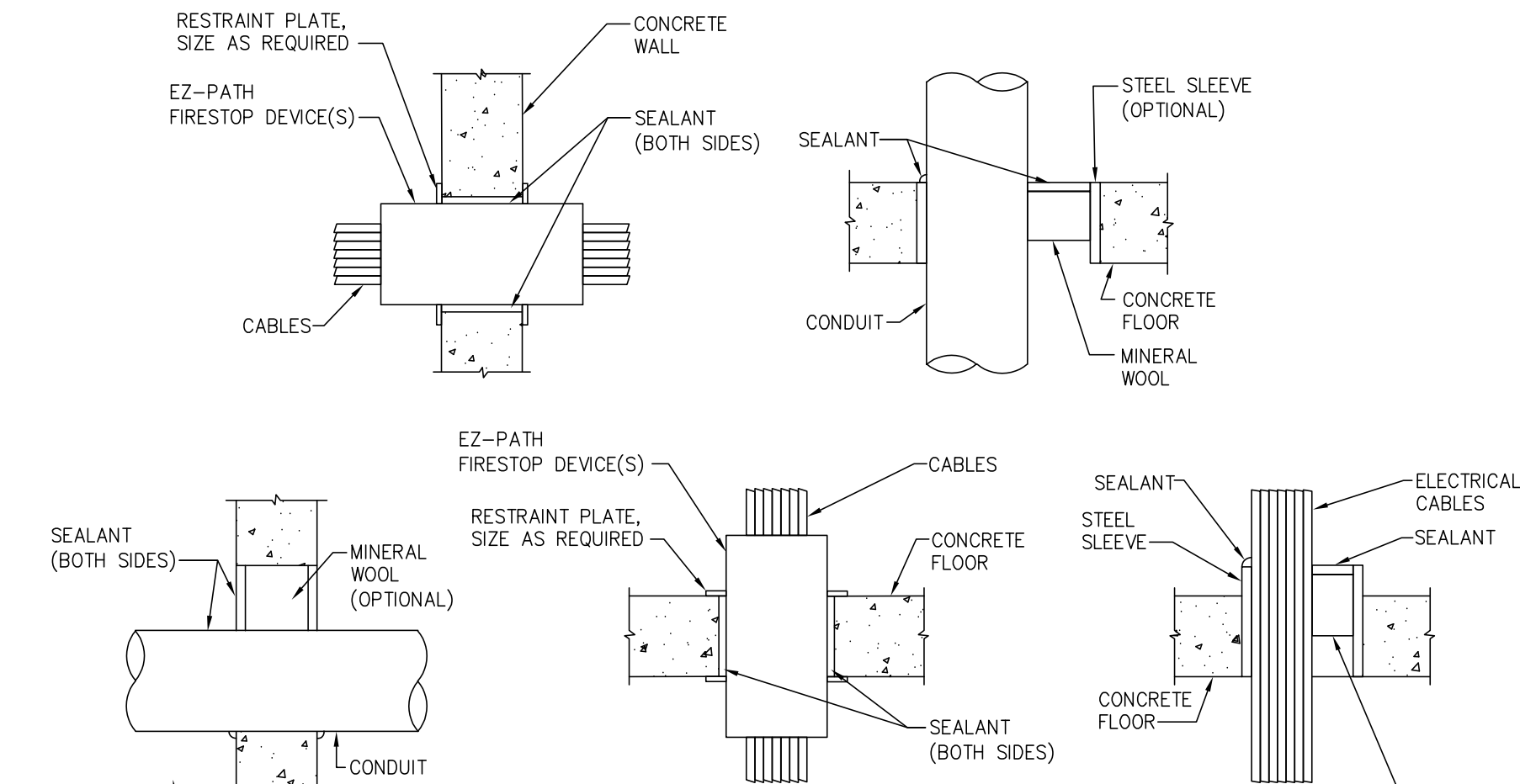
CONDUIT THRU WALL SEAL DETAIL
NO SCALE

PROJECT COORDINATION SCOPE:

- 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.
- 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 CEILING ACCESS POINTS AND ANY OTHER MISCELLANEOUS CONSTRUCTION ITEMS REQUIRED TO SUPPORT THE WORK.
- 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.
- CONTACT INFORMATION: **CONTACT AND HIRE RED LETTER (888) 564-5488. CONTACT AND HIRE HABITEC SECURITY, NICK WERT (419) 205-1147.**

FIRE ALARM SYSTEM GENERAL NOTES:

- 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.
- 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. CANDELA AND 0B 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 CABLING, # 14 THHN/THWN LOW VOLTAGE CONDUCTORS AND #12 THHN/THWN LINE VOLTAGE CONDUCTORS AND CONDUIT. PROVIDE ALL CONDUIT, J-BOXES, CABLING, CARDS, MODULES, RELAYS, PROGRAMMING AND START-UP. PROVIDE SURFACE MOUNT RACEWAYS AND BOXES AS INDICATED FOR EXISTING WALLS.
- 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.
- OWNER PREFERRED CONTACT INFORMATION: **CONTACT AND HIRE FIRE ALARM SYSTEM REPRESENTATIVE JOHNSON CONTROLS, EMILEE J. ROACH (419) 279-3236.**



CONCRETE/MASONRY FLOOR & WALLS

CONDUIT/CABLE PENETRATIONS THROUGH RATED ASSEMBLIES
N.T.S.

GENERAL NOTES

- 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, MILTI, 3M OR APPROVED EQUAL. REFER TO MANUFACTURER'S SPECIFICATIONS AND INSTALLATION DETAILS FOR EXACT INSTALLATION METHODS.
- PACKING AND SEALANT DEPTHS SHALL BE PER MANUFACTURER'S SPECIFICATIONS FOR U.L. ASSEMBLY RATING COMPLIANCE.
- 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

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

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	IC1078F6ABL	BLUE CAT6A KEYSTONE	KEYSTONE FOR DATA PORT DEVICES
ICC		CLASSIC CONFIGURABLE FACEPLATES WITH STATION ID (IVORY)	WALL PLATES FOR DATA PORTS
ICC	ICMPP48C61	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

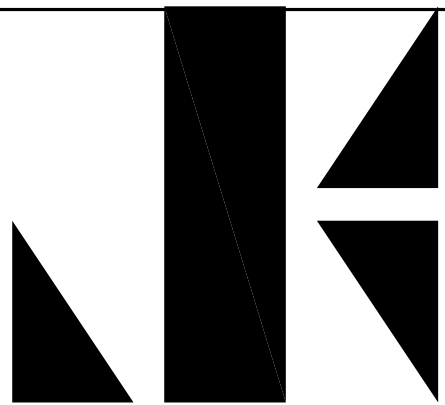
- ALL CABLING INSTALLED MUST BE OF CMP (PLENUM) GRADE. THIS IS TO KEEP WITH STANDARDS IN PLACE WITH DISTRICT-WIDE CABLING.
- ALL DATA CABLING INSTALLED MUST BE CERTIFIED, TESTED AND CERTIFICATION PROVIDED TO OWNER AT THE END OF THE PROJECT.
- ALL DATA CABLING MUST BE LABELED IN ACCORDANCE TO THE DISTRICT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

Digitally signed by Nicole L. Winhoven-Kamm
DN: O=US,
Nicole L. Winhoven-Kamm 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

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DATE	DESCRIPTION
02.09.2026	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

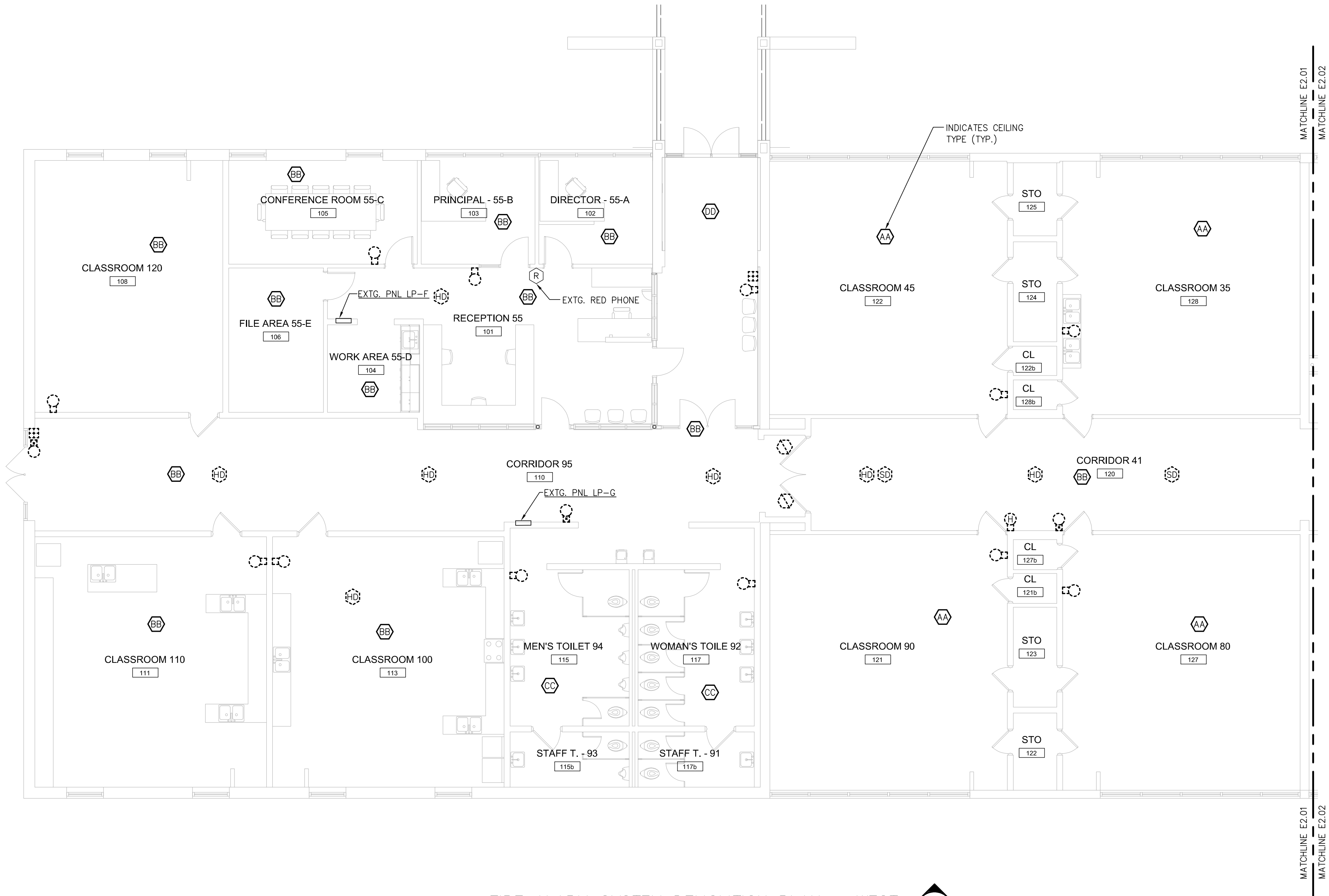
FOR

JOB # 26104

ELECTRICAL LEGEND
AND DETAILS

E1.01

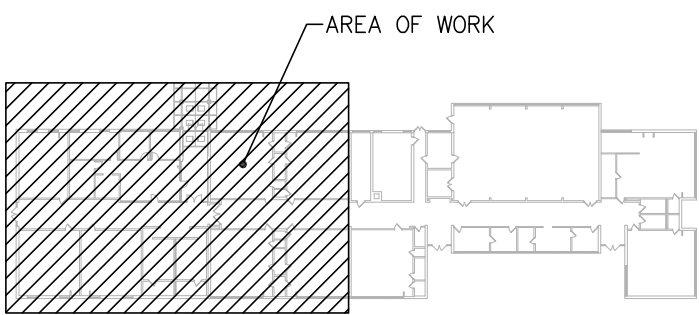
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FIRE ALARM SYSTEM DEMOLITION PLAN – WEST
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

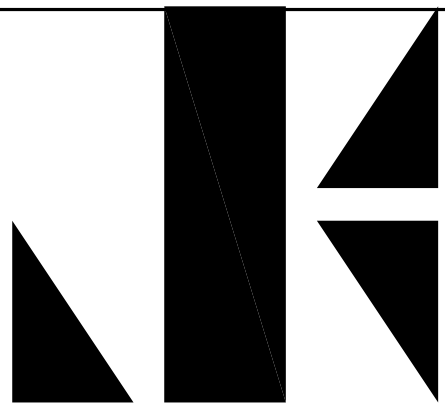
- CONTRACTOR SHALL RECEIVED APPROVAL WITH THE LOCAL AUTHORITY HAVING JURISDICTION ON REMOVAL OF THE EXISTING SYSTEM WHILE BUILDING IS OCCUPIED BEFORE NEW SYSTEM IS INSTALLED. IF ALLOWED, UNDER THESE CONDITIONS THE EXISTING FIRE ALARM SYSTEM WOULD NOT BE OPERATIONAL DURING THE CONSTRUCTION PERIOD, AND 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.



KEY PLAN
NO SCALE

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

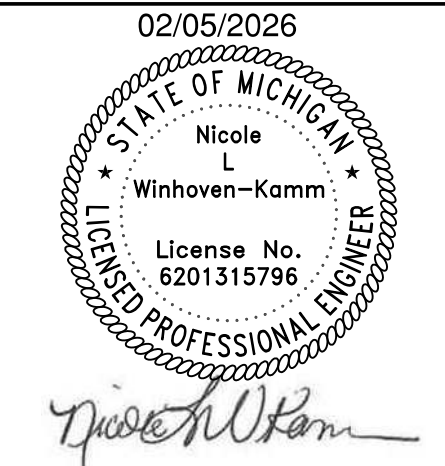


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DATE	DESCRIPTION
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FIRE ALARM REPLACEMENT & RELATED WORK

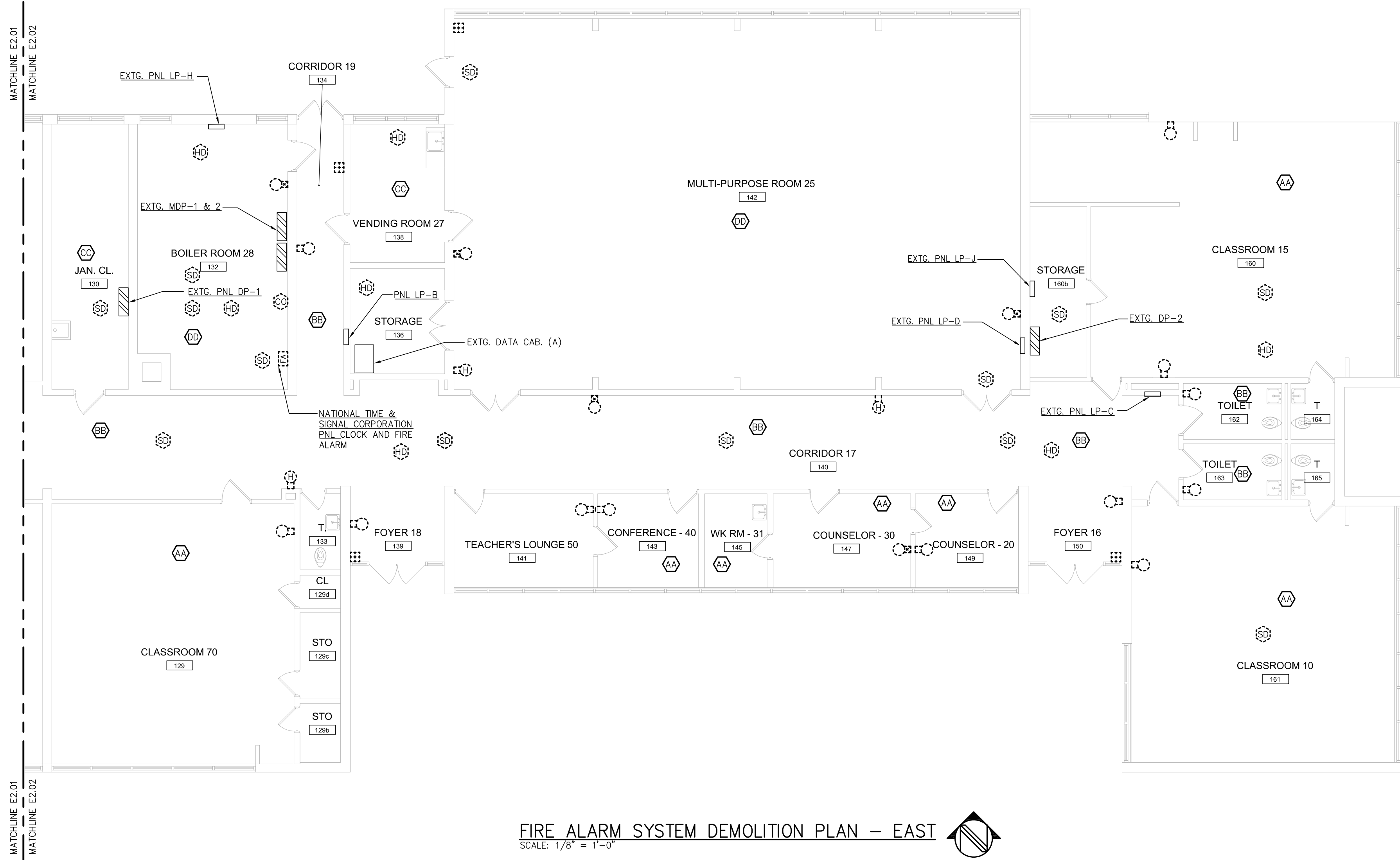
AT
FOR
ORCHARD CENTER HIGH SCHOOL
1750 OAK STREET, MONROE, MI 48161
MONROE PUBLIC SCHOOLS
1275 N. MACOMB STREET, MONROE, MI 48162

JOB # 26104

FIRE ALARM SYSTEM
DEMOLITION PLAN
- WEST

E2.01

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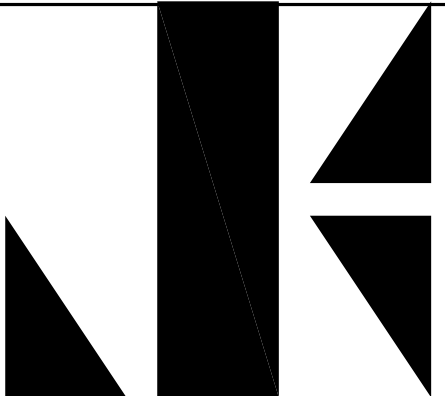


FIRE ALARM SYSTEM DEMOLITION PLAN – EAST
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL RECEIVED 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	SPLINE CEILING
BB	DROP CEILING
CC	HARD / DRYWALL CEILING
DD	OPEN CEILING



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DATE	DESCRIPTION
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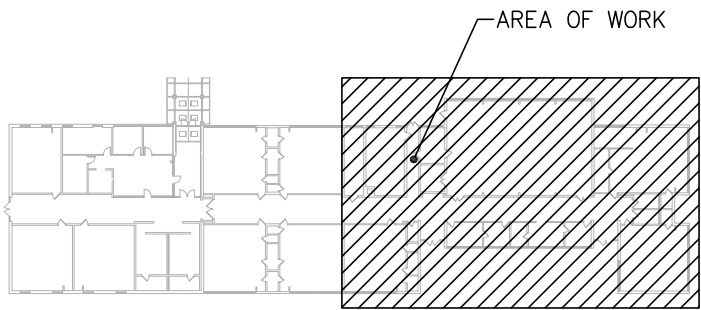
FIRE ALARM REPLACEMENT & RELATED WORK

AT
FOR
ORCHARD CENTER HIGH SCHOOL
1750 OAK STREET, MONROE, MI 48161
MONROE PUBLIC SCHOOLS
1275 N. MACOMB STREET, MONROE, MI 48162

JOB # 26104

FIRE ALARM SYSTEM
DEMOLITION PLAN
- EAST

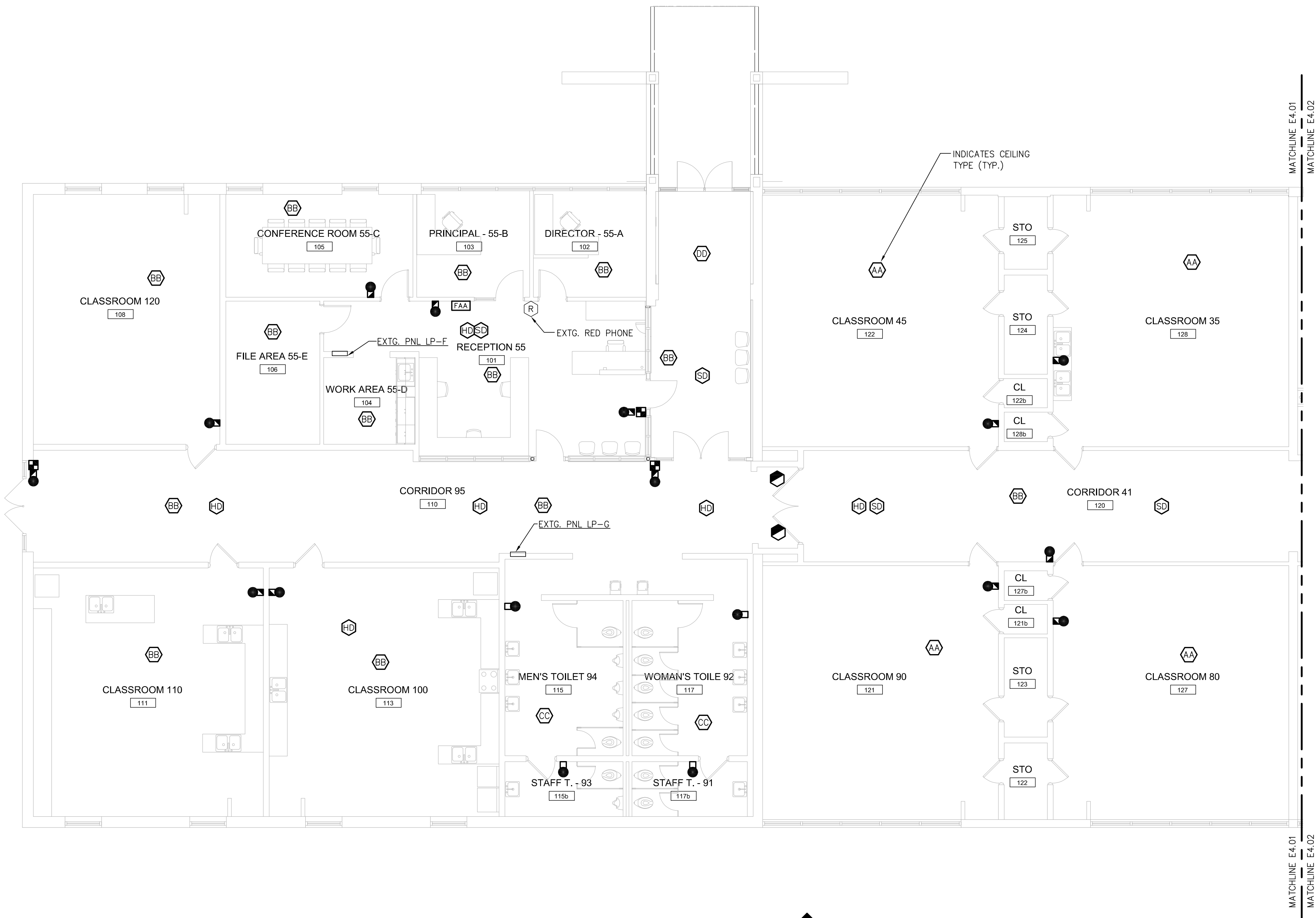
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KEY PLAN
NO SCALE

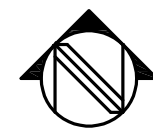
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FIRE ALARM SYSTEM PLAN – WEST

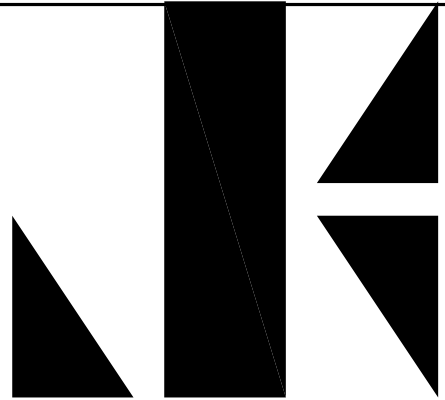
SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- WHERE ACCESSIBLE CEILINGS ARE PRESENT, WIRING MAY BE RUN IN METAL RACEWAYS ONLY TO 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 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 EMT, 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 LSI.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	
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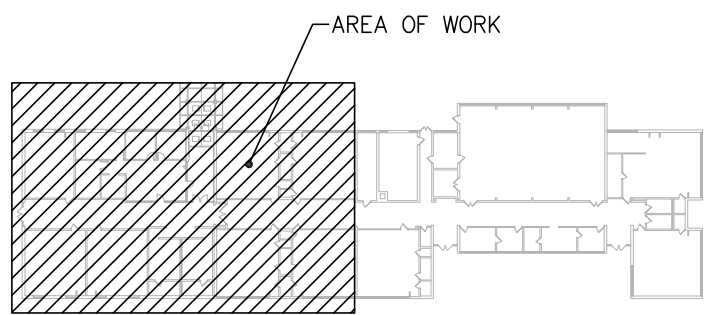
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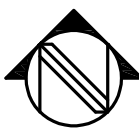
JOB # 26104

FIRE ALARM SYSTEM
PLAN - WEST

E4.01

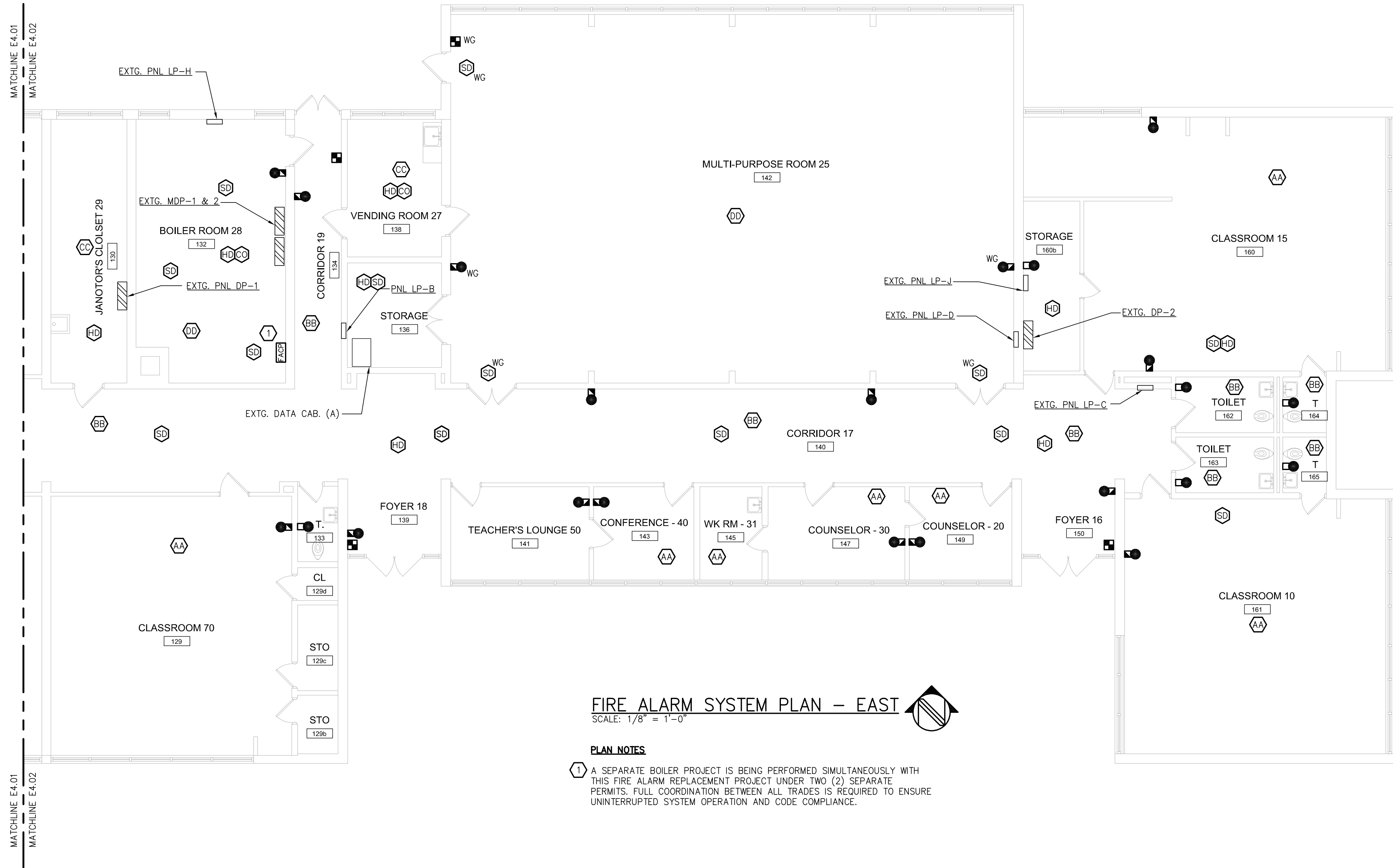


KEY PLAN
NO SCALE



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FIRE ALARM SYSTEM PLAN – EAST

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

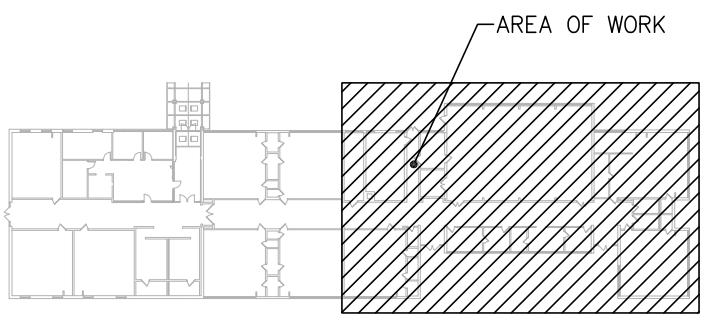
PLAN NOTES

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.

GENERAL NOTES:

- 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 WIRING, UNLESS NOTED OTHERWISE. COORDINATE LAYOUT AND RACEWAY SIZES WITH FINAL FIRE ALARM VENDOR PRIOR TO INSTALLATION.
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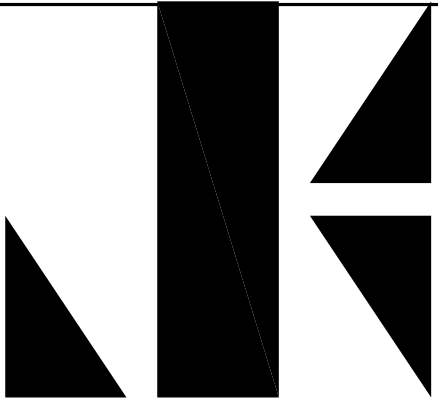
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KEY PLAN

NO SCALE

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FOR

JOB # **26104**

FIRE ALARM SYSTEM
PLAN - EAST

E4.02