



# Fire Alarm Replacement - Bryson ES & High Country ES

## EAGLE MOUNTAIN - SAGINAW INDEPENDENT SCHOOL DISTRICT FORT WORTH & SAGINAW, TEXAS



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### ABBREVIATIONS

<b>A</b>	A.F.F. ABOVE FINISH FLOOR	<b>M</b>	MFR. MANUFACTURER
<b>ACOUS.</b>	ACOUSTICAL	<b>M.B.</b>	MARKER BOARD
<b>AL./ALUM.</b>	ALUMINUM	<b>M.O.</b>	MASONRY OPENING
<b>ADA</b>	AMERICANS WITH DISABILITIES ACT	<b>MAS.</b>	MASONRY
<b>ARCH.</b>	ARCHITECTURAL	<b>MAX.</b>	MAXIMUM
<b>B</b>		<b>MECH.</b>	MECHANICAL
<b>BM.</b>	BEAM	<b>MET./MTL.</b>	METAL
<b>BLKG.</b>	BLOCKING	<b>MIN.</b>	MINIMUM
<b>BD.</b>	BOARD	<b>MISC.</b>	MISCELLANEOUS
<b>BOT.</b>	BOTTOM	<b>MULL.</b>	MULLION
<b>BLDG.</b>	BUILDING	<b>N</b>	NOMINAL
<b>C</b>		<b>N.I.C.</b>	NOT IN CONTRACT
<b>CEM.</b>	CEMENT	<b>N.T.S.</b>	NOT TO SCALE
<b>CTR.</b>	CENTER	<b>NO. OR #</b>	NUMBER
<b>CL</b>	CENTER LINE	<b>O</b>	OFFICE
<b>CER.</b>	CERAMIC	<b>OFF.</b>	OFFICE
<b>C.R.</b>	CLASSROOM	<b>O.C.</b>	ON CENTER
<b>COL.</b>	COLUMN	<b>O.D.</b>	OUTSIDE DIAMETER
<b>CONC.</b>	CONCRETE	<b>OPNG.</b>	OPENING
<b>CMU</b>	CONCRETE MASONRY UNITS	<b>O.H.</b>	OPPOSITE HAND
<b>CONST.</b>	CONSTRUCTION	<b>OPP.</b>	OPPOSITE
<b>CONT.</b>	CONTINUOUS	<b>O.H.</b>	OVERHEAD
<b>C.J.</b>	CONTROL JOINT	<b>P, Q</b>	PAIR
<b>CORR.</b>	CORRIDOR	<b>PR.</b>	PARTITION TYPE
<b>CTSK.</b>	COUNTERSUNK	<b>P.T.</b>	PARTITION TYPE
<b>D</b>		<b>PLAS.</b>	PLASTER
<b>DTL./DET.</b>	DETAIL	<b>P. LAM.</b>	PLASTIC LAMINATE
<b>DIA.</b>	DIAMETER	<b>PL.</b>	PLATE
<b>DWG.</b>	DRAWING	<b>PLYWD.</b>	PLYWOOD
<b>D.O.</b>	DOOR OPENING	<b>PT.</b>	POINT
<b>DBL.</b>	DOUBLE	<b>PROJ.</b>	PROJECTOR
<b>D.S.</b>	DOWNSPOUT	<b>Q.T.</b>	QUARRY TILE
<b>E</b>		<b>R</b>	RADIUS
<b>EA.</b>	EACH	<b>REF.</b>	REFERENCE
<b>ELEC.</b>	ELECTRICAL	<b>REINF.</b>	REINFORCED
<b>E.W.C.</b>	ELECTRIC WATER COOLER	<b>REQD.</b>	REQUIRED
<b>EL.</b>	ELEVATION	<b>R.</b>	RISER
<b>ELEV.</b>	ELEVATION OR ELEVATOR	<b>R.D.</b>	ROOF DRAIN OR ROUGH DIMENSION
<b>EQ.</b>	EQUAL	<b>RM.</b>	ROOM
<b>EXP.</b>	EXPANSION	<b>S</b>	SCHEDULE
<b>E.J.</b>	EXPANSION JOINT	<b>SECT.</b>	SECTION
<b>EXT.</b>	EXTERIOR	<b>SHT.</b>	SHEET
<b>F</b>		<b>SIM.</b>	SIMILAR
<b>FT.</b>	FEET OR FOOT	<b>S.C.</b>	SOLID CORE
<b>FIN.</b>	FINISH	<b>SPEC.</b>	SPECIFICATION
<b>F.F.L.</b>	FINISH FLOOR LINE	<b>SQ.</b>	SQUARE
<b>F.E.</b>	FIRE EXTINGUISHER	<b>S.S.</b>	STAINLESS STEEL
<b>F.E.C.</b>	FIRE EXTINGUISHER CABINET	<b>STD.</b>	STANDARD
<b>F.H.C.</b>	FIRE HOSE CABINET	<b>STL.</b>	STEEL
<b>F.H.C.S.</b>	FLAT HEAD COUNTERSUNK	<b>STOR.</b>	STORAGE
<b>FLR.</b>	FLOOR	<b>STRUC.</b>	STRUCTURE
<b>F.D.</b>	FLOOR DRAIN	<b>SUSP.</b>	SUSPENDED
<b>FLUOR.</b>	FLUORESCENT	<b>T</b>	TACKBOARD
<b>FURR.</b>	FURRING	<b>T.B.</b>	TACK BOARD
<b>G, H</b>		<b>T.W.</b>	TACK WALL
<b>GALV.</b>	GALVANIZED	<b>TEL.</b>	TELEPHONE
<b>GA.</b>	GAUGE	<b>TERR.</b>	TERRAZZO
<b>G.C.</b>	GENERAL CONTRACTOR	<b>THK.</b>	THICK
<b>G.O.</b>	GLAZED OPENING	<b>T.</b>	TREAD
<b>GYP.</b>	GYPSONUM	<b>T.C.</b>	TOP OF CURB OR TEACHERS CABINET
<b>GND.</b>	GROUND	<b>T.O.J.</b>	TOP OF JOIST
<b>HC.</b>	HANDICAPPED	<b>T.O.S.</b>	TOP OF STEEL
<b>HT.</b>	HEIGHT	<b>T.O.W.</b>	TOP OF WALL
<b>H.</b>	HIGH	<b>TYP.</b>	TYPICAL
<b>H.P.</b>	HIGH POINT	<b>U</b>	UNDERWRITERS LABORATORIES
<b>H.M.</b>	HOLLOW METAL	<b>U.L.</b>	UNLESS NOTED OTHERWISE
<b>HORIZ.</b>	HORIZONTAL	<b>U.N.O.</b>	UNLESS NOTED OTHERWISE
<b>H.B. / HB</b>	HORIZONTAL BLINDS	<b>V</b>	VERTICAL
<b>HR.</b>	HOOR	<b>VERT.</b>	VERTICAL
<b>I, J, K</b>		<b>VEST.</b>	VESTIBULE
<b>I.D.</b>	INSIDE DIAMETER	<b>V.C.T.</b>	VINYL COMPOSITION TILE
<b>INSUL.</b>	INSULATION	<b>VWC</b>	VINYL WALL COVERING
<b>INT.</b>	INTERIOR	<b>W</b>	WAINSCOT
<b>JAN.</b>	JANITOR	<b>W.C.</b>	WATER CLOSET
<b>JT.</b>	JOINT	<b>WT.</b>	WEIGHT
<b>JST.</b>	JOIST	<b>W.</b>	WIDE
<b>KIT.</b>	KITCHEN	<b>W/</b>	WITH
<b>L</b>		<b>W/O</b>	WITHOUT
<b>LAM.</b>	LAMINATE	<b>WDW.</b>	WINDOW
<b>LAV.</b>	LAVATORY	<b>WD.</b>	WOOD
<b>LT.</b>	LIGHT		
<b>LG.</b>	LONG		
<b>LL.H.</b>	LONG LEG HORIZONTAL		
<b>LL.V.</b>	LONG LEG VERTICAL		
<b>L.P.</b>	LOW POINT		

### MATERIAL INDICATIONS

	EARTH		CERAMIC TILE
	POROUS FILL		GLASS (LARGE SCALE)
	CONCRETE		INSULATION (RIGID)
	BRICK		INSULATION (BATT)
	CMU		INSULATION (RIGID)
	MARBLE		WOOD, ROUGH (CONT.)
	METAL (LARGE SCALE)		WOOD, ROUGH (BLOCKING)
	METAL (SMALL SCALE)		WOOD, FINISH
	RESILIENT FLOORING		PLYWOOD (LARGE SCALE)
	ACOUSTICAL TILE		STUD WALL
	TERRAZZO		METAL LATH
	PLASTER, SAND, GROUT		GYPSONUM BOARD

### SYMBOLS / LEGEND

	CLASSROOM		LOUVER MARK
	ROOM NUMBER MARK		NUMBERED NOTE MARK
	DOOR NUMBER MARK		NORTH ARROW
	STOREFRONT MARK		HORIZONTAL BLINDS
	PARTITION TYPE MARK		ELEVATION MARK
	SECTION MARK		SECTION DETAIL MARK
	GLAZED OPENING MARK		ACCESS CONTROL MARK
	DATUM ELEVATION MARK		

### INDEX TO DRAWINGS

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<b>ARCHITECTURAL</b>	
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A1.61	REFLECTED CEILING PLAN - BRYSON ELEMENTARY SCHOOL
A2.01	FLOOR PLAN - HIGH COUNTRY ELEMENTARY SCHOOL
A2.61	REFLECTED CEILING PLAN - HIGH COUNTRY ELEMENTARY SCHOOL
<b>FIRE ALARM</b>	
FA1.01	FLOOR PLAN - FIRE ALARM - BRYSON ELEMENTARY SCHOOL
FA2.01	FLOOR PLAN - FIRE ALARM - HIGH COUNTRY ELEMENTARY SCHOOL

### BUILDING DESIGN CRITERIA - BRYSON ELEMENTARY SCHOOL - FORT WORTH, TX

- PROJECT IDENTIFICATION**  
 PROJECT NAME - FIRE ALARM REPLACEMENT - BRYSON ELEMENTARY SCHOOL & HIGH COUNTRY ELEMENTARY SCHOOL  
 OWNER - EAGLE MOUNTAIN - SAGINAW I.S.D.  
 PROJECT LOCATION - 8601 OLD DECATUR RD, FORT WORTH, TX 76179
- APPLICABLE CODES**

2015	INTERNATIONAL BUILDING CODE W/ CITY OF SAGINAW AMENDMENTS
2015	INTERNATIONAL FIRE CODE W/ CITY OF SAGINAW AMENDMENTS
2015	INTERNATIONAL PLUMBING CODE W/ CITY OF SAGINAW AMENDMENTS
2015	INTERNATIONAL MECHANICAL CODE W/ CITY OF SAGINAW AMENDMENTS
2017	NATIONAL ELECTRIC CODE W/ CITY OF SAGINAW AMENDMENTS
2015	INTERNATIONAL ENERGY CONSERVATION CODE
2012	TEXAS ACCESSIBILITY STANDARDS
- APPROXIMATE BUILDING AREAS**  
 TOTAL BLDG SQ. FT.: 79,563 SQ.FT.  
 NOTE: ENTIRE BUILDING IS NOT FIRE SPRINKLERED

### BUILDING DESIGN CRITERIA - HIGH COUNTRY ELEMENTARY SCHOOL - SAGINAW, TX

- PROJECT IDENTIFICATION**  
 PROJECT NAME - FIRE ALARM REPLACEMENT - BRYSON ELEMENTARY SCHOOL & HIGH COUNTRY ELEMENTARY SCHOOL  
 OWNER - EAGLE MOUNTAIN - SAGINAW I.S.D.  
 PROJECT LOCATION - 1301 HIGH COUNTRY TRAIL, SAGINAW, TX 76131
- APPLICABLE CODES**

2012	INTERNATIONAL BUILDING CODE W/ CITY OF SAGINAW AMENDMENTS
2012	INTERNATIONAL FIRE CODE W/ CITY OF SAGINAW AMENDMENTS
2012	INTERNATIONAL PLUMBING CODE W/ CITY OF SAGINAW AMENDMENTS
2012	INTERNATIONAL MECHANICAL CODE W/ CITY OF SAGINAW AMENDMENTS
2011	NATIONAL ELECTRIC CODE W/ CITY OF SAGINAW AMENDMENTS
2015	INTERNATIONAL ENERGY CONSERVATION CODE
2012	TEXAS ACCESSIBILITY STANDARDS
- APPROXIMATE BUILDING AREAS**  
 TOTAL BLDG SQ. FT.: 80,857 SQ.FT.  
 NOTE: ENTIRE BUILDING IS FIRE SPRINKLERED

### GENERAL NOTES

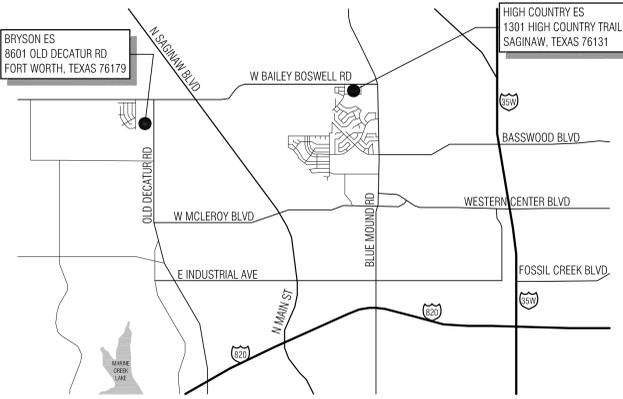
- VERIFY AND DOCUMENT EXISTING DIMENSIONS & CONDITIONS AT THE SITE BEFORE BEGINNING CONSTRUCTION. NOTIFY THE ARCHITECT OF CONFLICTS OR VARIATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- GYPSONUM WALLBOARD SHALL BE TYPE "X" FIRE CODE.
- PROVIDE UNITS AS REQUIRED AND DIRECTED OVER OPENINGS IN WALLS WHERE MECHANICAL EQUIPMENT PENETRATES WALLS.
- AT DRYWALL WALL CONSTRUCTION WHICH EXTENDS ABOVE CEILING, PROVIDE LIGHT GAUGE FRAMING AND BRACING AT 4'-0" O.C., TYPICAL, TO STRUCTURE ABOVE IN ORDER TO PROVIDE SECURE PERMANENT, AND RIGID ANCHORAGE OF WALLS, TYPICAL.
- AT CEILING FURRING DETAILS, SUSPENSIONS, BRACING, BLOCKING, ETC., SHOWN IS SCHEMATIC REPRESENTATION ONLY. PROVIDE SECURE PERMANENT ANCHORAGE AT FURRINGS IN ACCORDANCE WITH RECOMMENDED DRYWALL INSTALLATION PRACTICE, TYPICAL.
- BUILD WALLS PLUMB AND TRUE WITH 90 DEGREE CORNERS, UNLESS NOTED OTHERWISE.
- AT MECHANICAL AND BOILER ROOMS, SEAL PARTITIONS TIGHTLY AROUND STRUCTURAL, MECHANICAL, AND ELECTRICAL PENETRATIONS.
- PROVIDE OPENINGS, UNTELS, CURBS, AND FLASHING, THROUGH FLOORS, WALLS AND ROOF TO ACCOMMODATE MECH. AND ELEC. FACILITIES.
- SUBMIT PATTERN OF CONTROL JOINTS IN FACE BRICK, CMU, GYPSONUM BOARD TO THE ARCHITECT PRIOR TO CONSTRUCTION.
- FLOOR PLAN DIMENSIONS ARE TO FACE OF CMU OR STUD UNLESS NOTED OTHERWISE.
- EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO EXISTING TREES AND SHRUBS. CONTRACTOR SHALL PROVIDE PROTECTIVE BARRIERS AROUND THOSE IN PROXIMITY TO THE WORK.
- PROVIDE 1" BULLNOSE AT ALL EXPOSED VERTICAL EDGES OF CMU.
- ALL CMU WALLS SHALL HAVE 3" STARTER COURSES UNLESS NOTED OTHERWISE.
- SEAL PARTITION TIGHTLY AROUND ALL STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL PENETRATIONS WITH SAFING.
- AT ALL INTERIOR AND EXTERIOR MASONRY CORNERS, PROVIDE A 3/8" BUTT CONTROL JOINT.
- USE BULLNOSE TILE AT OUTSIDE CORNERS AND TOP OF WAINSCOT AT CERAMIC TILE.
- PROVIDE SCALANT AND FRESASFING AT ALL FLOOR PENETRATIONS AND EXPANSION JOINTS.
- PROVIDE MINIMUM 2"x6" F.R. WOOD BLOCKING BETWEEN METAL STUDS IN NEW PARTITIONS AT MOUNTING LOCATIONS FOR ACCESSORIES, HANDRAIL CASEWORK, MARKER BOARDS, FOLDING PARTITIONS, ETC.
- AT GYPSONUM WALLBOARD AND PLASTER WORK USE CORNER BEADS, CASING BEADS AND METAL ACCESSORIES AS REQUIRED TO PROVIDE FINISH SURFACE TERMINATIONS.
- IN CASE OF DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS, THE GREATER QUANTITY OR QUALITY SHALL BE PROVIDED.
- THE USE OF 3 5/8" CMU FOR INTERIOR PARTITIONS IS NOT PERMITTED EXCEPT FOR USE IN CHASES. FREESTANDING 3 5/8" CMU PARTITIONS ARE NOT ALLOWED.

### TEXAS ACCESSIBILITY STANDARDS

PROVISIONS FOR ADULTS AND CHILDREN	ADULTS AGES 13 & ABOVE	CHILDREN AGES 12 & UNDER
<b>REACH RANGES</b>		
FRONTAL OR SIDE APPROACH	48" MAX. - 15" MIN.	16" MIN. - 44" MAX.
<b>RAMPS AND STAIRS (HANDRAILS)</b>		
TOP OF HANDRAIL GRIPPING SURFACE	34" - 38"	34" - 38"
<b>DRINKING FOUNTAINS AND WATER COOLERS</b>		
FRONTAL APPROACH		
SPOUT HEIGHT (TO OUTLET)	36" MAX.	USE SIDE APPROACH
KNEE CLEARANCE	27" MIN.	
<b>SIDE APPROACH</b>		
SPOUT HEIGHT (TO OUTLET)	USE FRONT APPROACH	30" MAX.
KNEE CLEARANCE		NOT REQUIRED
<b>WATER CLOSETS</b>		
CENTERLINE TO WALL AT WHEELCHAIR ACCESSIBLE	16" - 18"	12" - 18"
CENTERLINE TO WALL AT AMBULATORY STALL	17" - 19"	17" - 19"
TOP OF SEAT	17" - 19"	11" - 17"
GRAB BARS	33" - 36"	18" - 27"
DISPENSER HEIGHT (MOUNT AT 7"-9" FROM CENTERLINE OF DISPENSER IN FRONT OF W.C.)	15" - 48"	14" - 19"
FLUSH CONTROLS	36" MAX.	36" MAX.
<b>URINALS</b>		
RIM OF BASIN	17" MAX.	16" MAX.*
FLUSH CONTROLS	48" MAX.	44" MAX.
<b>LAVATORIES AND SINKS</b>		
RIM OR COUNTER SURFACE	34" MAX.	31" MAX.
KNEE CLEARANCE (LAVATORIES)	27" MIN.	24" MIN.
KNEE CLEARANCE (SINKS)	27" MIN.	24" MIN.
TO FAUCETS FROM FRONT EDGE	20" MAX.*	18" MAX.*
<b>MIRRORS</b>		
TO TOP OF REFLECTIVE SURFACE	74" MIN.	74" MIN.
TO BOTTOM OF REFLECTED SURFACE AT SINKS & LAVS	40" MAX.	35" MAX.*
TO BOTTOM OR REFLECTED SURFACE	35" MAX.	35" MAX.*
<b>CONTROLS AND OPERATING MECHANISM</b>		
HIGHEST OPERABLE PART		
FRONTAL AND SIDE APPROACH	48" MAX.	44" MAX.
<b>TELEPHONES</b>		
HIGHEST OPERABLE PART		
FRONTAL AND SIDE APPROACH	48" MAX.	44" MAX.
<b>FIXED OR BUILT-IN SEATING, TABLES, &amp; WORK STATIONS</b>		
HEIGHT OF TABLES OR COUNTERS	26" - 30"	26" - 30"
KNEE CLEARANCES	24" MIN.	24" MIN.
<b>DRESSING &amp; FITTING ROOMS</b>		
TOP OF BENCH (20"-24" X 42" MIN)	17" - 19"	11" - 17"*
BACK SUPPORT 18" MIN. OR MOUNT TO WALL		
<b>FOOD SERVICE LINES</b>		
TOP OF TRAY SLIDE	28" - 34"	32"*

\* NOTE: DIMENSION FOR SPECIFIC AGE GROUP IS NOT LISTED IN 2012 TAS

### SITE LOCATION MAP



ISSUED: MARCH 8, 2018

### REVISIONS

Revision No.	
Director	LGW
Designer	DSN
Proj. Arch.	PA
Drawn By	RMA
Quality Control	QC

### PROJECT NO.

1803.00

### SHEET TITLE

INDEX

### SHEET NO.

# INDEX

EAGLE MOUNTAIN - SAGINAW I.S.D. FORT WORTH & SAGINAW, TEXAS  
 Fire Alarm Replacement - Bryson ES & High Country ES

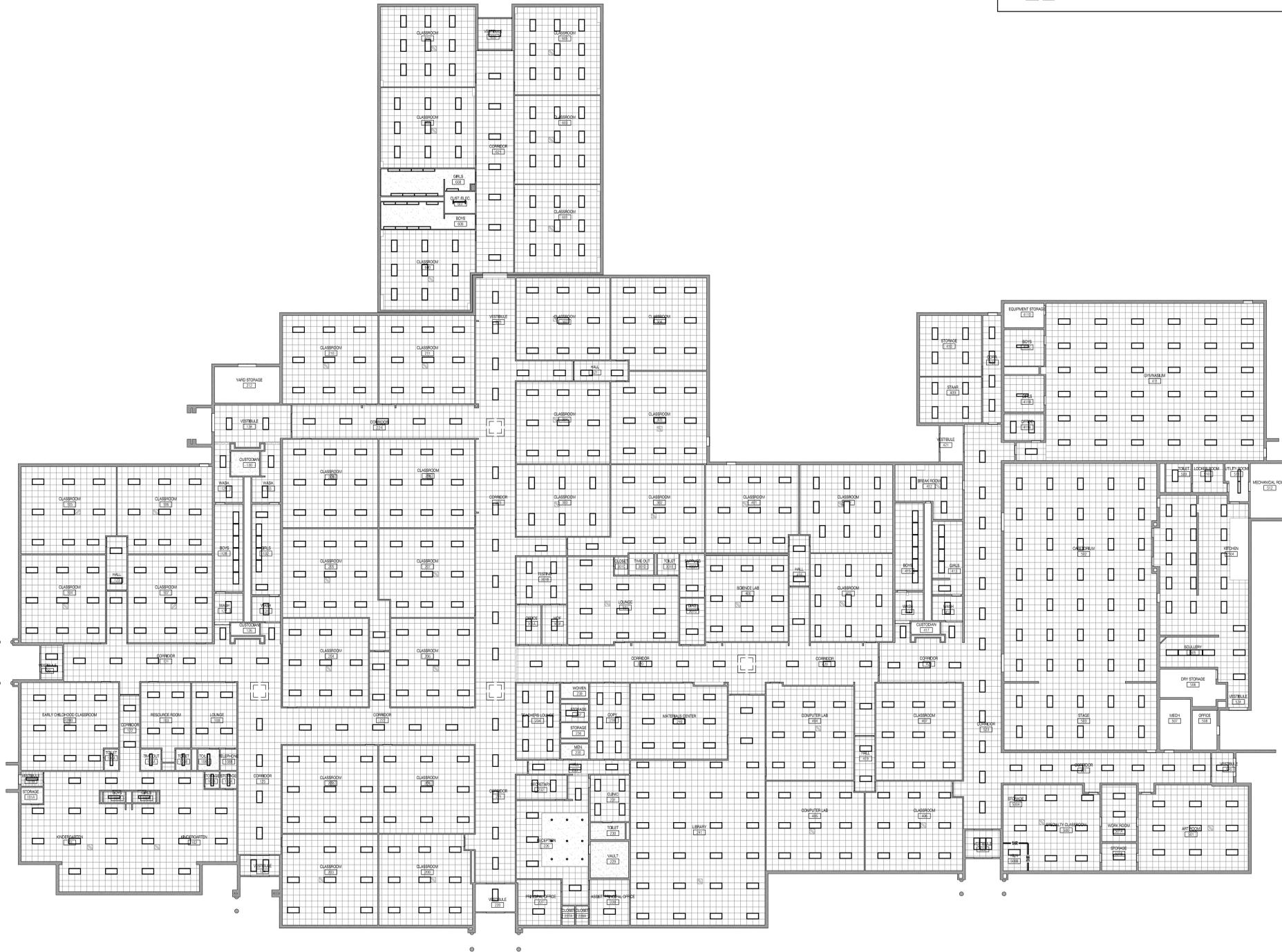


**NUMBERED NOTES**

1. REMOVE AND SALVAGE EXISTING CEILING TILE AS REQUIRED FOR INSTALLATION OF FIRE ALARM DEVICES. EXISTING GRID TO REMAIN. INSTALL NEW CEILING TILE WHERE EXISTING TILE IS DAMAGED BY WORK PERFORMED AS REQUIRED. MATCH EXISTING. REF. MEP DRAWINGS FOR ADDITIONAL INFORMATION.
2. CUT & PATCH EXISTING GYP BD CEILING AS REQUIRED FOR INSTALLATION OF FIRE ALARM DEVICES. PAINT TO MATCH EXISTING. REF. MEP DRAWINGS FOR ADDITIONAL INFORMATION.

**REFLECTED CEILING PLAN LEGEND**

	EXISTING 2x2 GRID W/ LAY-IN ACOUSTIC CEILING TILE		EXISTING 1 HOUR FIRE WALL - ANY NEW PENETRATIONS SHALL BE REPAIRED TO MAINTAIN RATING OF PARTITION
	EXISTING 5/8" GYPSUM BOARD CEILING		
	EXISTING LIGHT FIXTURES		
	EXISTING SUPPLY AND RETURN GRILLES		



**1 REFLECTED CEILING PLAN - BRYSON ELEMENTARY SCHOOL**  
SCALE: 1/16"=1'-0"

**ARCHITECT**

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ISSUED: MARCH 8, 2018

**REVISIONS**

Revision No.

Director	Drawn By
LGV	RMA
Designer	Quality Control
DSN	QC
Proj. Arch.	
PA	

**PROJECT NO.**

**1803.00**

**SHEET TITLE**

REFLECTED CEILING PLAN  
BRYSON ES

**SHEET NO.**

**A1.61**



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EAGLE MOUNTAIN - SAGINAW I.S.D.  
FORT WORTH & SAGINAW, TEXAS

Fire Alarm Replacement - Bryson ES & High Country ES



03/08/2018

ISSUED: MARCH 8, 2018

REVISIONS

Revision No.

Director LGV  
Designer DSN  
Proj. Arch. PA  
Drawn By RMA  
Quality Control QC

PROJECT NO.

1803.00

SHEET TITLE

ORIENTATION PLAN  
HIGH POINT ES

SHEET NO.

A2.01

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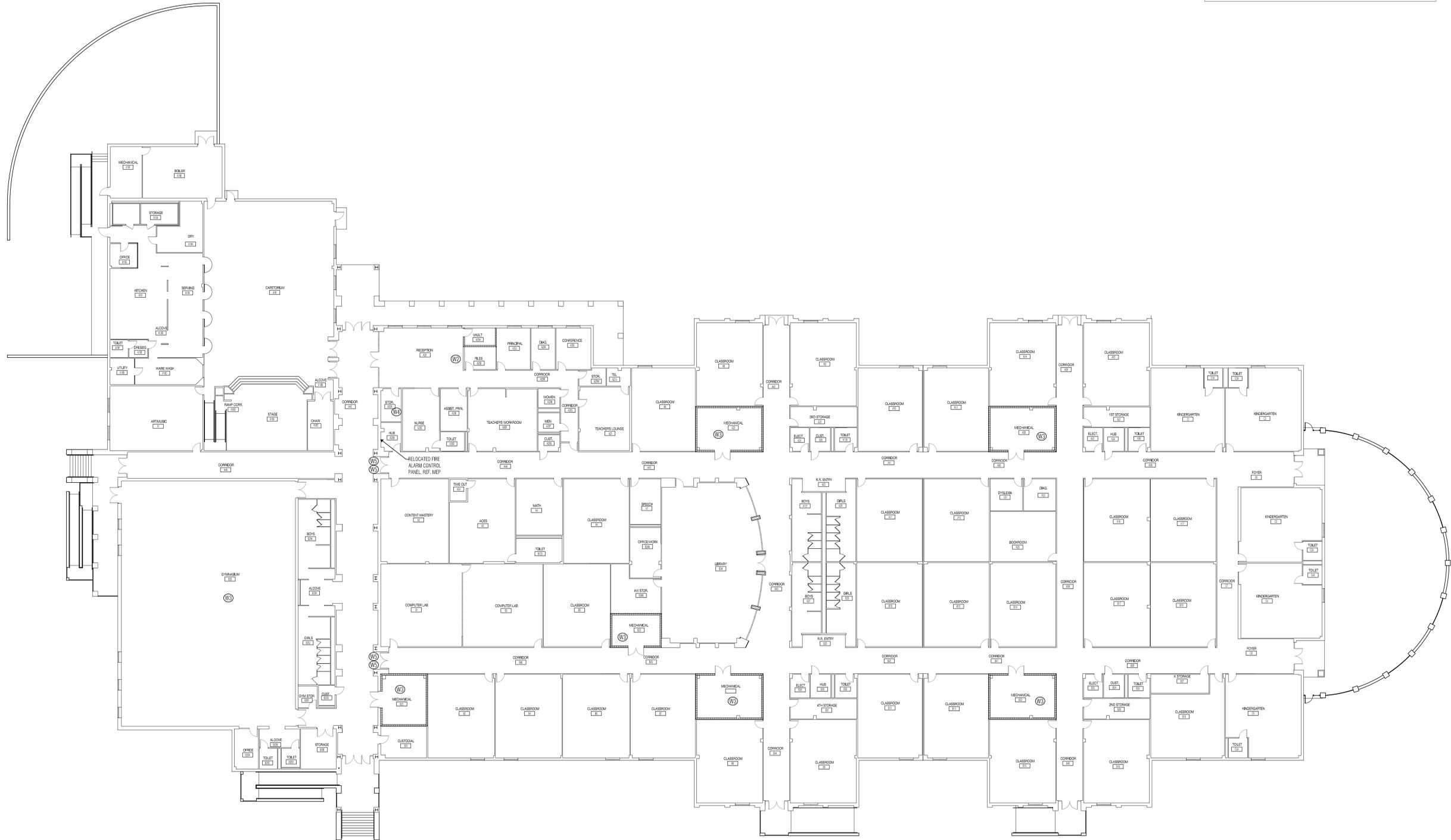
### NUMBERED NOTES

#### WALLS

- (W1) REMOVE FIRE ALARM PULL DOWNS/SPEAKERS/STROBES. PATCH AND REPAIR WALL AS REQUIRED AND PREP FOR PAINT TO MATCH EXISTING. WHERE IN TILE, PREP FOR NEW TILE TO MATCH EXISTING FROM OWNER'S STOCK.
- (W2) REPLACE FIRE ALARM ANNUNCIATOR. PATCH AND REPAIR WALL AS REQUIRED AND PAINT TO MATCH EXISTING.
- (W3) REMOVE FIRE ALARM PULL DOWNS/SPEAKERS/STROBES IN MASONRY WALL. PROVIDE METAL FACE PLATE AND PAINT TO MATCH EXISTING.
- (W4) RELOCATE FIRE ALARM CONTROL PANEL WHERE SHOWN ON PLANS. PATCH AND PAINT EXISTING PARTITION. MATCH EXISTING FINISHES.
- (W5) REFERENCE MEP DRAWINGS FOR WORK @ EXISTING HOLD OPENS.

### GENERAL NOTES

1. DRAWINGS SHOW THE GENERAL EXTENT OF DEMOLITION WORK, HOWEVER IT IS IMPRACTICAL TO INDICATE OR NOTE EVERY ITEM OF DEMOLITION. ANY ITEMS SHOWN DASHED ARE TO BE REMOVED TO MAKE WAY FOR NEW CONSTRUCTION, UNLESS NOTED OTHERWISE.
2. EXISTING MATERIALS CONTAINING ASBESTOS TO BE REMOVED UNDER SEPARATE CONTRACT PRIOR TO CONSTRUCTION BY OWNER'S ASBESTOS ABATEMENT CONTRACTOR. CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO THE START OF DEMOLITION TO DETERMINE ITEMS TO BE SALVAGED AND RETURNED TO OWNER.
3. CONTRACTOR SHALL PROTECT ITEMS TO REMAIN FROM DAMAGE DURING DEMOLITION.
4. REFER TO FIRE ALARM DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
5. CONTRACTOR SHALL REPAIR @ NO COST TO THE OWNER ANY DAMAGES THEY INCUR ON THE EXISTING BUILDING AND SITE AS A RESULT OF THEIR ACTIVITIES NOT SCHEDULED FOR ALTERATION.
6. UNLESS OTHERWISE NOTED, NUMBERED NOTE 'W1' APPLIES TO ALL AREAS.



1 ORIENTATION PLAN - HIGH COUNTRY ELEMENTARY SCHOOL  
SCALE: 1/16"=1'-0"



ISSUED: MARCH 8, 2018

REVISIONS	
Revision No.	

Director	Drawn By
LGV	RMA
Designer	Quality Control
DSN	QC
Proj. Arch.	
PA	

PROJECT NO.

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SHEET TITLE

REFLECTED CEILING PLAN  
 HIGH POINT ES

SHEET NO.

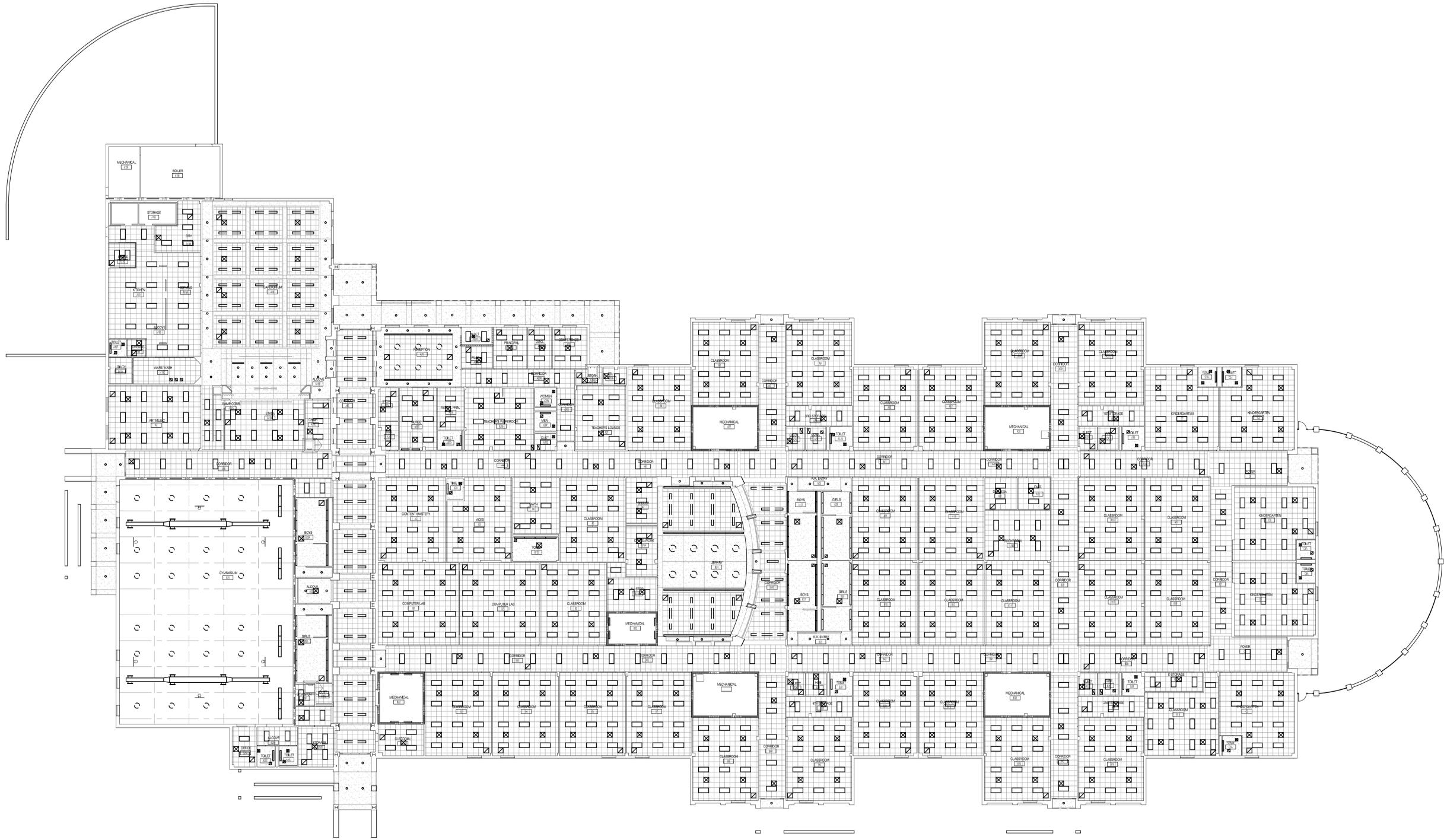
A2.61

NUMBERED NOTES

- REMOVE AND SALVAGE EXISTING CEILING TILE AS REQUIRED FOR INSTALLATION OF FIRE ALARM DEVICES. EXISTING GRID TO REMAIN. INSTALL NEW CEILING TILE WHERE EXISTING TILE IS DAMAGED BY WORK PERFORMED AS REQUIRED. MATCH EXISTING. REF. MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- CUT & PATCH EXISTING GYP BD CEILING AS REQUIRED FOR INSTALLATION OF FIRE ALARM DEVICES. PAINT TO MATCH EXISTING. REF. MEP DRAWINGS FOR ADDITIONAL INFORMATION.

REFLECTED CEILING PLAN LEGEND

	EXISTING 2x2 GRID W/ LAY-IN ACOUSTIC CEILING TILE		EXISTING 1 HOUR FIRE WALL - ANY NEW PENETRATIONS SHALL BE REPAIRED TO MAINTAIN RATING OF PARTITION
	EXISTING 5/8" GYPSUM BOARD CEILING		
	EXISTING LIGHT FIXTURES		
	EXISTING SUPPLY AND RETURN GRILLES		



1 REFLECTED CEILING PLAN - HIGH COUNTRY ELEMENTARY SCHOOL  
 SCALE: 1/16"=1'-0"



Reed, Wells, Benson & Company  
Consulting Engineers  
Firm Registration # F-2174  
5001 GREENWAY DRIVE, SUITE 1100 FORT WORTH, TEXAS 76107  
2000 NEARLY CENTRAL EXPRESSWAY FORT WORTH, TEXAS 76107  
DALLAS, TEXAS 75201  
RWB PROJECT # 18008-00

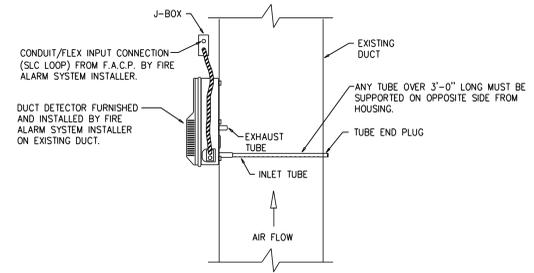


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**02** TYPICAL DUCT DETECTOR MOUNTING DETAIL  
SCHEMATIC ONLY

**FIRE ALARM NOTES BY SYMBOLS 'O':**

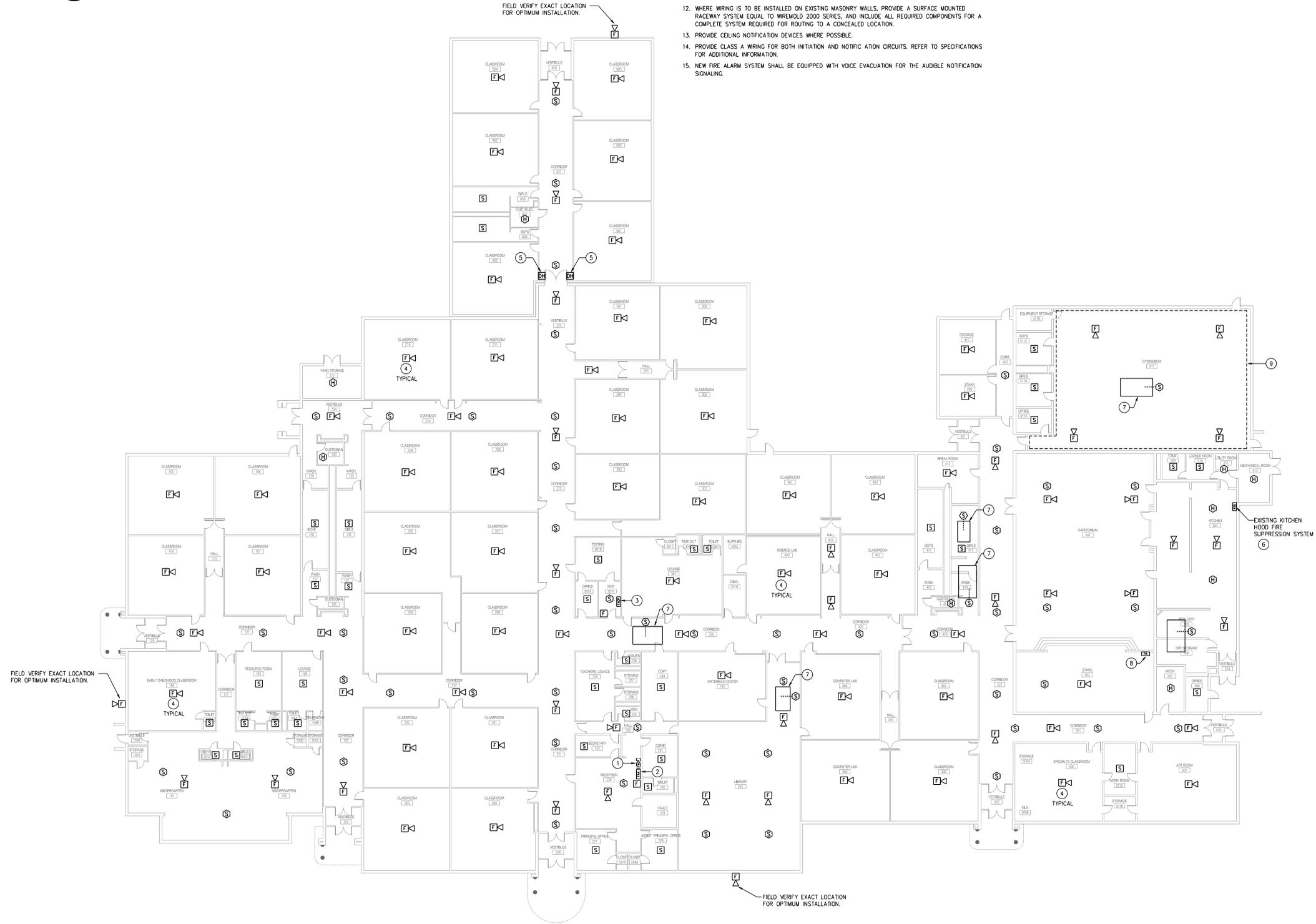
- EXISTING FIRE ALARM PANEL DISCONNECT AND REMOVE UPON ACCEPTANCE AND CERTIFICATION OF NEW FIRE ALARM SYSTEM.
- NEW FIRE ALARM REMOTE ANNUNCIATOR, VERIFY APPROVED LOCATION WITH LOCAL FIRE MARSHAL.
- LOCATE NEW FIRE ALARM PANEL IN EXISTING MDF ROOM. PROVIDE NEW, 120V, 20 AMP CIRCUIT FOR NEW FIRE ALARM PANEL, EXTEND FROM EXISTING PANEL. PROVIDE NEW 20 AMP CIRCUIT BREAKER AS REQUIRED.
- NEW FIRE ALARM DEVICE MOUNTED ON CEILING.
- EXISTING DOOR HOLD DEVICE, EXTEND TO NEW FIRE ALARM SYSTEM TO RELEASE ON ALARM.
- CONNECT NEW FIRE ALARM SYSTEM, TO EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM, FOR ALARM ON ACTIVATION.
- PROVIDE NEW DUCT MOUNTED SMOKE DETECTOR AT EXISTING HVAC DUCT FOR FAN SHUT-DOWN. INCLUDE ALL SCOPE REQUIRED FOR CONNECTION TO EXISTING UNIT FAN CONTROL RELAY. COORDINATE LOCATION AND INSTALLATION REQUIREMENTS WITH DISTRICT, HVAC, AND ENERGY MANAGEMENT DEPARTMENTS. FOLLOW RECOMMENDED INSTALLATION INSTRUCTIONS FROM THE MANUFACTURER. REFER TO DETAIL 02.
- EXISTING PA SYSTEM RACK, PROVIDE INTEGRATED CONNECTION TO MUTE EXISTING PA SYSTEM OUTPUT, ON FIRE ALARM.
- PROVIDE OPEN-AREA SMOKE IMAGING DETECTORS (OSID) IN THIS AREA. SYSTEM TO BE XTRALIS OSID. PROVIDE EMITTER LOCATION AND QUANTITY AS REQUIRED FOR COVERAGE IN THIS SPACE. PROVIDE MANUFACTURER'S WIRE-GUARD FOR ALL DEVICES.

**GENERAL FIRE ALARM NOTES:**

- BUILDING PLAN IS DIAGRAMMATIC ONLY. SOME DIFFERENCES OCCUR BETWEEN PLANS AND ACTUAL BUILDING, CONTRACTOR TO FAMILIARIZE HIMSELF WITH BUILDING, AND VERIFY ACTUAL LAY-OUT.
- ALL EXISTING PA, TELEPHONE, POWER AND OTHER WIRING ABOVE EXISTING LAY-IN CEILING AND HARD CEILINGS SHALL BE MAINTAINED IN OPERATION AT ALL TIMES. CONTRACTOR IS RESPONSIBLE FOR RECONNECTING ANY SERVICES DISRUPTED AT NO ADDITIONAL COST TO OWNER.
- ALL ELECTRICAL WORK, NEW CIRCUITS, ECT. REQUIRED TO FACILITATE NEW FIRE ALARM SYSTEM SHALL BE PROVIDED BY CONTRACTOR.
- EXISTING FIRE ALARM SYSTEM MUST BE KEPT IN OPERATION, UNTIL THE NEW FIRE ALARM SYSTEM IS ACCEPTED BY THE LOCAL AUTHORITY AND GREEN TAG IS AWARDED.
- MAINTAIN MINIMUM 36" CLEAR FROM ALL AIR DISTRIBUTION DEVICES.
- DEVICE LOCATIONS SHOWN ARE APPROXIMATE, ADJUST DEVICE LOCATIONS TO ACCOMMODATE EXISTING CEILING ELEMENTS, HVAC GRILLES, LIGHT FIXTURES OR OTHER BLDG. ELEMENTS.
- PROTECT ALL DEVICES DURING INSTALLATION FROM DUST AND DEBRIS.
- PROTECT ALL EXISTING PA, AND SECURITY SYSTEM DEVICES DURING INSTALLATION FROM DUST AND DEBRIS.
- REMOVE ALL ABANDONED DEVICES / PANELS / EQUIPMENT THRU OUT FACILITY. PATCH AND PAINT ALL EXISTING WALL OPENINGS AND OPENINGS IN GYPSUM/HARD CEILINGS AS DIRECTED BY ARCHITECT.
- FIRE ALARM CONTRACTOR TO FIELD VERIFY EXISTING HVAC FOR REQUIRED DUCT SMOKE DETECTION.
- ALL WIRING LOCATED IN GYMS, MECHANICAL ROOMS, ELECTRICAL ROOMS, AND OTHER LOCATIONS WHERE SUBJECT TO DAMAGE SHALL BE INSTALLED IN A METALLIC RACEWAY SYSTEM.
- WHERE WIRING IS TO BE INSTALLED ON EXISTING MASONRY WALLS, PROVIDE A SURFACE MOUNTED RACEWAY SYSTEM EQUAL TO WIREMOLD 2000 SERIES, AND INCLUDE ALL REQUIRED COMPONENTS FOR A COMPLETE SYSTEM REQUIRED FOR ROUTING TO A CONCEALED LOCATION.
- PROVIDE CEILING NOTIFICATION DEVICES WHERE POSSIBLE.
- PROVIDE CLASS A WIRING FOR BOTH INITIATION AND NOTIFICATION CIRCUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- NEW FIRE ALARM SYSTEM SHALL BE EQUIPPED WITH VOICE EVACUATION FOR THE AUDIBLE NOTIFICATION SIGNALING.

SPECIAL SYSTEMS LEGEND	
F	FIRE ALARM MANUAL PULL STATION
F<	FIRE ALARM SPEAKER/STROBE ASSEMBLY
S	FIRE ALARM STROBE ASSEMBLY
S	CEILING MOUNTED SMOKE DETECTOR
S-----	DUCT MOUNTED SMOKE DETECTOR
H	CEILING MOUNT HEAT DETECTOR
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
PA	PA SYSTEM RACK
DH	FIRE ALARM DOOR HOLD OPEN DEVICE

NOT ALL SYMBOLS USED



**01** FLOOR PLAN - FIRE ALARM - BRYSON ELEMENTARY SCHOOL  
SCALE: 1/16" = 1'-0"



ISSUED: MARCH 8, 2018

REVISIONS

Revision No.

Director LGV  
Designer DSN  
Proj. Arch. PA

Drawn By  
Quality Control QC

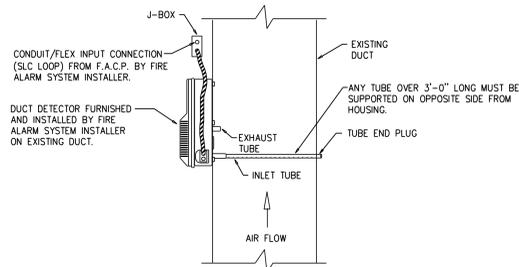
PROJECT NO.  
**1803.00**

SHEET TITLE  
FLOOR PLAN - FIRE ALARM - BRYSON ELEMENTARY SCHOOL

SHEET NO.

**FA1.01**

**Fire Alarm Replacement - Bryson ES & High Country ES**



**02** TYPICAL DUCT DETECTOR MOUNTING DETAIL  
SCHEMATIC ONLY

**FIRE ALARM NOTES BY SYMBOLS 'O':**

- 1 EXISTING FIRE ALARM PANEL. DISCONNECT AND REMOVE UPON ACCEPTANCE AND CERTIFICATION OF NEW FIRE ALARM SYSTEM.
- 2 NEW FIRE ALARM REMOTE ANNUNCIATOR. VERIFY APPROVED LOCATION WITH LOCAL FIRE MARSHAL.
- 3 LOCATE NEW FIRE ALARM PANEL IN EXISTING MDF ROOM. PROVIDE NEW, 120V, 20 AMP CIRCUIT FOR NEW FIRE ALARM PANEL, EXTEND FROM EXISTING PANEL. PROVIDE NEW 20 AMP CIRCUIT BREAKER AS REQUIRED.
- 4 NEW FIRE ALARM DEVICE MOUNTED ON CEILING.
- 5 EXISTING DOOR HOLD DEVICE, EXTEND TO NEW FIRE ALARM SYSTEM TO RELEASE ON ALARM.
- 6 CONNECT NEW FIRE ALARM SYSTEM, TO EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM, FOR ALARM ON ACTIVATION.
- 7 PROVIDE NEW DUCT MOUNTED SMOKE DETECTOR AT EXISTING HVAC DUCT FOR FAN SHUT-DOWN. INCLUDE ALL SCOPE REQUIRED FOR CONNECTION TO EXISTING UNIT FAN CONTROL RELAY. COORDINATE LOCATION AND INSTALLATION REQUIREMENTS WITH DISTRICT, HVAC, AND ENERGY MANAGEMENT DEPARTMENTS. FOLLOW RECOMMENDED INSTALLATION INSTRUCTIONS FROM THE MANUFACTURER. REFER TO DETAIL 02.
- 8 EXISTING PA SYSTEM RACK, PROVIDE INTEGRATED CONNECTION TO MUTE EXISTING PA SYSTEM OUTPUT, ON FIRE ALARM.
- 9 LOCATE NEW CEILING MOUNTED FIRE ALARM DEVICE WITHIN CEILING BEAM AS REQUIRED BY THE CURRENTLY ADOPTED CODE.
- 10 PROVIDE OPEN-AREA SMOKE IMAGING DETECTORS (OSD) IN THIS AREA. SYSTEM TO BE XTRALIS OSD. PROVIDE EMITTER LOCATION AND QUANTITY AS REQUIRED FOR COVERAGE IN THIS SPACE. PROVIDE MANUFACTURER'S WIRE-GUARD FOR ALL DEVICES.
- 11 PROVIDE NEW FLOW/TAMPER SWITCHES ON EXISTING FIRE SPRINKLER RISER.
- 12 RE-USE EXISTING EXTERIOR FIRE ALARM DEVICE BACKBOX AND RACEWAY FOR NEW DEVICE. LOCATE NEW DEVICE TO ACCOMMODATE BOX LOCATION.

**GENERAL FIRE ALARM NOTES:**

1. BUILDING PLAN IS DIAGRAMMATIC ONLY. SOME DIFFERENCES OCCUR BETWEEN PLANS AND ACTUAL BUILDING. CONTRACTOR TO FAMILIARIZE HIMSELF WITH BUILDING, AND VERIFY ACTUAL LAY-OUT.
2. ALL EXISTING PA, TELEPHONE, POWER AND OTHER WIRING ABOVE EXISTING LAY-IN CEILING AND HARD CEILINGS SHALL BE MAINTAINED IN OPERATION AT ALL TIMES. CONTRACTOR IS RESPONSIBLE FOR RECONNECTING ANY SERVICES DISRUPTED AT NO ADDITIONAL COST TO OWNER.
3. ALL ELECTRICAL WORK, NEW CIRCUITS, ECT. REQUIRED TO FACILITATE NEW FIRE ALARM SYSTEM SHALL BE PROVIDED BY CONTRACTOR.
4. EXISTING FIRE ALARM SYSTEM MUST BE KEPT IN OPERATION, UNTIL THE NEW FIRE ALARM SYSTEM IS ACCEPTED BY THE LOCAL AUTHORITY AND GREEN TAG IS AWARDED.
5. MAINTAIN MINIMUM 36" CLEAR FROM ALL AIR DISTRIBUTION DEVICES.
6. DEVICE LOCATIONS SHOWN ARE APPROXIMATE. ADJUST DEVICE LOCATIONS TO ACCOMMODATE EXISTING CEILING ELEMENTS, HVAC GRILLES, LIGHT FIXTURES OR OTHER BLDG. ELEMENTS.
7. PROTECT ALL DEVICES DURING INSTALLATION FROM DUST AND DEBRIS.
8. PROTECT ALL EXISTING PA, AND SECURITY SYSTEM DEVICES DURING INSTALLATION FROM DUST AND DEBRIS.
9. REMOVE ALL ABANDONED DEVICES / PANELS / EQUIPMENT THRU OUT FACILITY. PATCH AND PAINT ALL EXISTING WALL OPENINGS AND OPENINGS IN GYPSUM/HARD CEILINGS AS DIRECTED BY ARCHITECT.
10. FIRE ALARM CONTRACTOR TO FIELD VERIFY EXISTING HVAC FOR REQUIRED DUCT SMOKE DETECTION.
11. ALL WIRING LOCATED IN GYMS, MECHANICAL ROOMS, ELECTRICAL ROOMS, AND OTHER LOCATIONS WHERE SUBJECT TO DAMAGE SHALL BE INSTALLED IN A METALLIC RACEWAY SYSTEM.
12. WHERE WIRING IS TO BE INSTALLED ON EXISTING MASONRY WALLS, PROVIDE A SURFACE MOUNTED RACEWAY SYSTEM EQUAL TO WIREMOLD 2000 SERIES, AND INCLUDE ALL REQUIRED COMPONENTS FOR A COMPLETE SYSTEM REQUIRED FOR ROUTING TO A CONCEALED LOCATION.
13. PROVIDE CEILING NOTIFICATION DEVICES WHERE POSSIBLE.
14. PROVIDE CLASS A WIRING FOR BOTH INITIATION AND NOTIFICATION CIRCUITS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
15. NEW FIRE ALARM SYSTEM SHALL BE EQUIPPED WITH VOICE EVACUATION FOR THE AUDIBLE NOTIFICATION SIGNALING.

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FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL
PA	PA SYSTEM RACK
DH	FIRE ALARM DOOR HOLD OPEN DEVICE

NOT ALL SYMBOLS USED



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RWB PROJECT # 18008-00



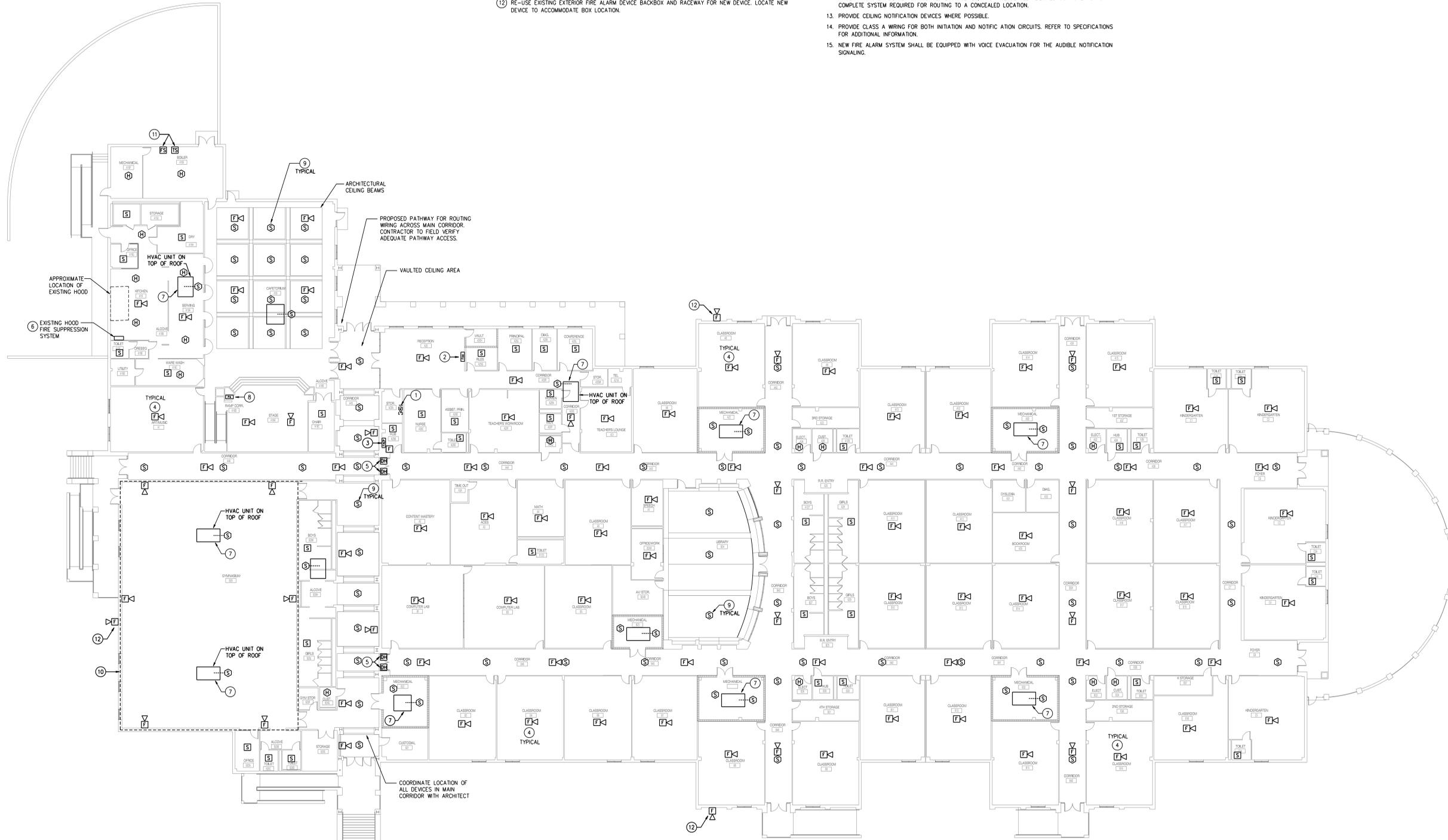
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**01**

**FLOOR PLAN - FIRE ALARM - HIGH COUNTRY ELEMENTARY SCHOOL**

SCALE: 1/16" = 1'



ISSUED: MARCH 8, 2018

REVISIONS	
Revision No.	

Director	Drawn By
LGV	Quality Control
Designer	QC
DSN	
Proj. Arch.	
PA	

PROJECT NO.

1803.00

SHEET TITLE  
FLOOR PLAN - FIRE ALARM - HIGH COUNTRY ELEMENTARY SCHOOL

SHEET NO.

**FA2.01**

**Fire Alarm Replacement - Bryson ES & High Country ES**