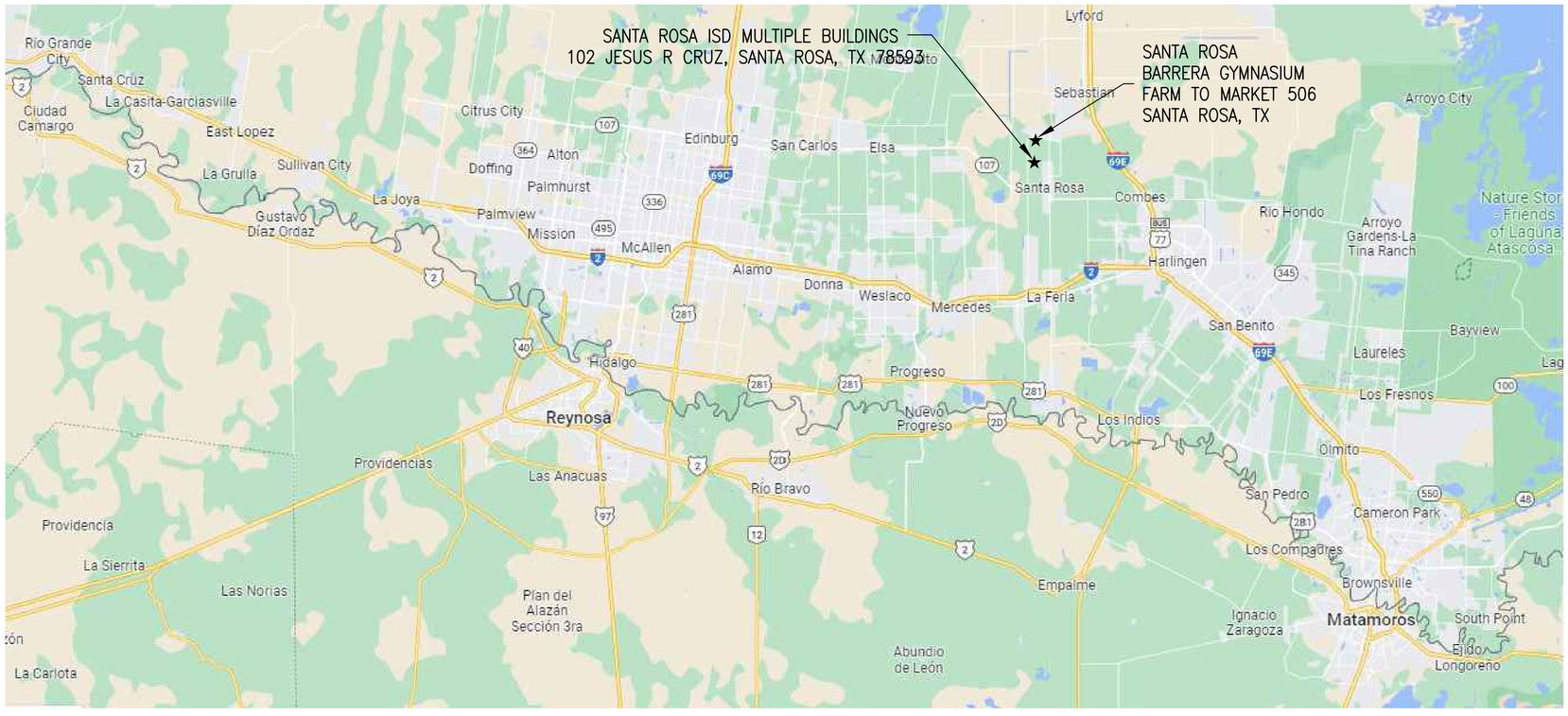
SANTA ROSA I.S.D.

FIRE ALARM SYSTEM UPGRADES AT MULTIPLE BUILDINGS



VICINITY MAP

NORTH

DATE OF ISSUE

MAY 07, 2026

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SCOPE OF WORK

SCOPE OF WORK: PROVIDE ALL MATERIALS AND LABOR ASSOCIATED WITH COMPLETE OPERATIONAL SYSTEMS. MAJOR ITEMS OF WORK INCLUDE, BUT ARE NOT LIMITED TO:

1. FIRE ALARM UPGRADES:
   a. HIGH SCHOOL GYMNASIUM BUILDING: 6,271 SQ. FT.
   b. HIGH SCHOOL LOCKER ROOM BUILDING: 10,609 SQ. FT.
   c. CHEPE GYMNASIUM BUILDING: 10,971 SQ. FT.
   d. DE LA FUENTE LOCKER ROOM BUILDING: 6,050 SQ. FT.
   e. MIDDLE SCHOOL WEIGHT ROOM BUILDING: 3,127 SQ. FT.
2. FIRE ALARM SYSTEM: PROVIDE DEMOLITION, LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE IMPLEMENTATION OF THE FIRE ALARM SYSTEM SCOPE OF WORK. THE EXISTING FIRE ALARM PANELS — ONE LOCATED AT THE HIGH SCHOOL BUILDING, AND ONE LOCATED AT THE MIDDLE SCHOOL BUILDING — SHALL REMAIN AND SHALL BE INTERCONNECTED. BUILDINGS BEING UPGRADED WITHIN THE PROJECT SCOPE SHALL BE TIED INTO THE EXISTING FIRE ALARM SYSTEM FOR THE HIGH SCHOOL. CONTRACTOR SHALL PROVIDE ALL UNDERGROUND RACEWAYS AS REQUIRED TO ACHIEVE COMPLETE AND FUNCTIONAL INTERCONNECTION BETWEEN BUILDINGS, INCLUDING ALL ASSOCIATED EXCAVATION, BACKFILL, AND SITE RESTORATION. PROVIDE ALL REQUIRED INITIATING DEVICES (AUTOMATIC AND MANUAL), NOTIFICATION APPLIANCES, RACEWAYS, POWER SUPPLIES, AND VOICE EVACUATION COMPONENTS FOR A COMPLETE AND CODE-COMPLIANT INSTALLATION. PROVIDE MONITORING AND INTERFACING WITH THE FIRE SPRINKLER SYSTEMS, EMERGENCY RADIO COMMUNICATION SYSTEM (ALTERNATE), KITCHEN HOOD FIRE SUPPRESSION SYSTEMS, AND ALL OTHER REQUIRED BUILDING SYSTEMS AS NECESSARY. PROVIDE TWO (2) GLOBAL ANNUNCIATORS, ONE LOCATED IN THE HIGH SCHOOL ADMINISTRATION AREA AND ONE IN THE MIDDLE SCHOOL ADMINISTRATION AREA. COORDINATE WITH OWNER FOR ANNUNCIATOR PREFERRED LOCATIONS.
3. ALL EXISTING WIRING COULD BE REUSED AS LONG THE CONTRACTOR TAKES RESPONSIBILITY SINCE THE SYSTEM WILL HAVE THREE (3) YEAR WARRANTY.
4. COORDINATE AND ENGAGE WITH HVAC CONTROLS CONTRACTOR FOR THE PROPER INSTALLATION/PROGRAMMING OF THE DUCT SMOKE DETECTORS.
5. UNDER BASE BID: CONTRACTOR IS REQUIRED TO PERFORM RADIO SIGNAL TESTING UTILIZING LOCAL EMERGENCY RESPONDER RADIO FREQUENCIES.
6. UNDER ALTERNATE BID: IF RADIO FREQUENCY RESULTS ARE DEEMED INADEQUATE BY THE FIRE MARSHAL OFFICE THE CONTRACTOR SHALL PROVIDE AN IN-BUILDING RADIO SIGNAL AMPLIFICATION SYSTEM TO PROVIDE COMPLETE COVERAGE IN THE BUILDING FOR THE PUBLIC SAFETY AGENCIES AS REQUIRED BY THE LOCAL AHJ (AUTHORITY HAVING JURISDICTION). SYSTEM USERS SHALL RECEIVE AND TRANSMIT RADIO SIGNALS FROM THEIR PORTABLE RADIO UNITS WITHIN THE BUILDING. CONTRACTOR SHALL EXPAND THE EXISTING SYSTEM LOCATED AT THE CTE BUILDING AND INTERCONNECT ALL BUILDINGS REQUIRING RADIO SIGNAL AMPLIFICATION. CONTRACTOR SHALL PROVIDE ALL UNDERGROUND RACEWAYS AS REQUIRED TO ACHIEVE COMPLETE AND FUNCTIONAL INTERCONNECTION BETWEEN BUILDINGS, INCLUDING ALL ASSOCIATED EXCAVATION, BACKFILL, AND SITE RESTORATION.
7. BARRERA ELEMENTARY GYMNASIUM SOUND SYSTEM: PROVIDE DEMOLITION, LABOR, MATERIAL, AND EQUIPMENT RELATED TO THE IMPLEMENTATION OF A GYMNASIUM SOUND SYSTEM REPLACEMENT INCLUDING BUT NOT LIMITED TO SPEAKERS, MICROPHONES, MICROPHONE STANDS, MULTIMEDIA OUTLET, DATA CONNECTORS, ANTENNAS, AMPLIFIERS, TRANSMITTERS, WHEELED CART, ETC. SEE SPECIFICATIONS.
8. SEQUENCE OF CONSTRUCTION: THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN IN OPERATION UNTIL THE NEW SYSTEM INTEGRATION IS READY FOR THE END USER TO OPERATE. THE WORK SHALL BE CLOSELY COORDINATED WITH PMSI, SANTA ROSA ISD MAINTENANCE AND SCHOOL STAFF AND BE SCHEDULED SO AS NOT TO DISRUPT SCHOOL INSTRUCTION.
9. ELECTRICAL REQUIREMENTS ASSOCIATED WITH WORK OF THIS SECTION. THIS INCLUDES THE FOLLOWING:
   a. POWER SUPPLY WIRING TO CONTROL PANELS, FIELD-DEVICES, AND OTHER DEVICES REQUIRING POWER AT 120 VOLTS AND HIGHER.
   b. PROVIDE CONNECTIONS FOR REMOTE ANNUNCIATOR(S), VOICE EVACUATION AMPLIFIERS, POWER SUPPLIES, ETC.
   c. UL LISTED PLENUM RATED CABLE MAY BE USED ABOVE CEILINGS. CONTROL WIRING IN EXPOSED LOCATIONS SHALL BE CONCEALED IN EMT CONDUIT.
10. PROVIDE CEILING TILES AS REQUIRED TO MATCH EXISTING CONDITIONS.
11. PLEASE PROVIDE STORAGE UNITS FOR MATERIALS AS REQUIRED AND COORDINATE WITH SCHOOL PERSONNEL.
12. ALLOWANCES: THE OWNER HAS SET ASIDE ALLOWANCES FOR UNFORESEEN CIRCUMSTANCES. SEE SECTION 012100.

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FIRE ALARM SYSTEM UPGRADES AT MULTIPLE BUILDINGS
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DEMOLITION GENERAL NOTES:

1. PHASING AND SEQUENCE OF CONSTRUCTION SHALL BE PER DRAWINGS AND SPECIFICATIONS.
2. ALL EXISTING FIRE ALARM DEVICES WITHIN THE SCOPE OF WORK ARE REQUIRED TO BE REMOVED WHETHER NOTED ON DEMOLITION PLANS OR NOT. DELIVER THEM TO OWNERS DESIGNATED LOCATION. IF OWNER DOES NOT WANT THE REMOVED MATERIALS THEN REMOVE THEM FROM SITE & PROPERLY DISPOSE OF THEM. A SITE VISIT IS REQUIRED TO PROPERLY BID THE DEMOLITION WORK.
2. ALL EXISTING GYMNASIUM SOUND SYSTEM COMPONENTS WITHIN THE SCOPE OF WORK ARE REQUIRED TO BE REMOVED WHETHER NOTED ON DEMOLITION PLANS OR NOT. DELIVER THEM TO OWNERS DESIGNATED LOCATION. IF OWNER DOES NOT WANT THE REMOVED MATERIALS THEN REMOVE THEM FROM SITE & PROPERLY DISPOSE OF THEM. A SITE VISIT IS REQUIRED TO PROPERLY BID THE DEMOLITION WORK.
3. IF REMOVAL OF EXISTING ELECTRICAL SYSTEMS RENDERS EXISTING ELECTRICAL SYSTEMS DOWNSTREAM TO REMAIN INOPERABLE, PROVIDE J-BOXES, CONDUIT WIRING AND SPLICES ABOVE ACCESSIBLE CEILINGS IN ORDER TO CONTINUE OPERATION.
4. PROVIDE BLANK COVER PLATE FOR UNUSED BACK BOXES. PAINT TO MATCH EXISTING WALLS.

CEILING DEMOLITION GENERAL NOTES:

1. PRIOR TO REMOVAL OF CEILINGS REQUIRED FOR NEW FIRE ALARM OR ELECTRICAL WORK PREPARE REFLECTED CEILING PLAN SKETCH SHOWING LOCATIONS OF ALL CEILING COMPONENTS AND DEVICES TO BE RE-USED INCLUDING BUT NOT LIMITED TO: EXISTING LIGHT FIXTURES, SPEAKERS, FIRE ALARM DEVICES, EMERGENCY LIGHTING, WIRELESS ACCESS POINTS, ETC. IF ANY OF THE ABOVE ITEMS ARE IN NON-WORKING CONDITION, SUBMIT A WRITTEN REPORT TO OWNER/ENGINEER.
2. CONTRACTOR TO EVALUATE CEILING GRID CEILING TILES PRIOR TO REMOVAL AND DOCUMENT ALL BROKEN, CRACKED, MISSING TILES, ETC. AND PROVIDE REPORT TO OWNER AND ENGINEER.
3. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DETERMINING THEIR OWN ROUTES FROM POWER SOURCE AND OR HEAD-END TO EQUIPMENT.
4. WHERE NEW CEILING MOUNTED FIRE ALARM DEVICES ARE INDICATED TO BE INSTALLED, CONTRACTOR SHALL REMOVE EXISTING CEILING TILE AND PROVIDE A NEW CEILING TILE. (MATCH EXISTING TYPE)
5. WHERE CEILING GRID MOUNTED DEVICES ARE EXISTING TO BE REMOVED, REPLACE EXISTING CEILING TILE OF REMOVED DEVICE. MATCH TYPE AND COLOR OF EXISTING TILES. ANY OTHER CEILING TILE THAT IS REMOVED OR BROKEN BY THE CONTRACTOR TO BE REPLACED.

GENERAL NOTES:

1. FIELD COORDINATE PRIOR TO BIDDING TO ASSESS EXISTING CONDITIONS.
2. IF THE MOUNTING HEIGHT OF EXISTING ROUGH-INS COMPLY WITH T.D.L.R. & A.D.A. REQUIREMENTS, THEY ARE TO BE UTILIZED TO INSTALL NEW DEVICES. OTHERWISE, CONTRACTOR SHALL PROVIDE A ONE-PIECE METAL SURFACE RACEWAY (WIREMOLD) WITH ASSOCIATED BACK BOX & FITTINGS AT APPROPRIATE WALL MOUNTING HEIGHT. IF ACCESSIBLE WALLS EXIST MAKE EVERY ATTEMPT TO PROVIDE A RECESSED ROUGH-IN TO INSTALL DEVICES FLUSH WITH THE WALL.
3. ADJUST LOCATION OF NEW DEVICES IF NECESSARY DUE TO EXISTING CONDITIONS.
4. ALL WORK THAT COULD DISRUPT SCHOOL INSTRUCTION SHALL BE SCHEDULE FOR AFTER SCHOOL OR DURING HOLIDAY HOURS. COORDINATE SCHEDULING WITH SCHOOL PRINCIPAL.
5. FOR NEW DEVICES LOCATED ON EXISTING WALLS PROVIDE A ONE-PIECE METAL SURFACE RACEWAY (WIREMOLD) WITH ASSOCIATED BACK BOX & FITTINGS AT APPROPRIATE WALL MOUNTING HEIGHT. MAKE EVERY ATTEMPT TO PROVIDE A RECESSED ROUGH-IN TO INSTALL DEVICE FLUSH WITH THE WALL.
6. BELOW CEILING – METAL STUDS WALLS (ACCESSIBLE WALL CAVITY): WHEN THIS CONDITION EXISTS, ALL WIRING SHALL BE CONCEALED INSIDE THE WALL CAVITY WITHOUT RACEWAY.
7 BELOW CEILING – CMU WALL (NON-ACCESSIBLE WALL CAVITY): CONTRACTOR TO PROVIDE ONE-PIECE METAL SURFACE RACEWAY (PAINTED TO MATCH EXISTING FINISH) WITH ALL ASSOCIATED FITTINGS AND BOXES TO CONCEAL ALL WIRING.
8. PAINT NEW EXPOSED RACEWAYS AND MOUNTING HARDWARE IN FINISHED AREAS TO MATCH COLOR OF EXISTING MOUNTING SURFACE.
9. PROVIDE J-HOOKS TO SUPPORT THE FIRE ALARM CABLING INSIDE BUILDING.
10. CONTRACTOR TO REPLACE ALL CEILING TILES THAT ARE REMOVED AND BROKEN WHILE WORKING THROUGH OUT THIS PROJECT.
11. PRIOR TO TRENCHING BETWEEN BUILDINGS COORDINATE WITH SANTA ROSA I.S.D. MAINTENANCE STAFF FOR EXISTING UNDERGROUND LINES.
12. HAND TRENCHING WILL BE REQUIRED FOR NEW RACEWAYS BETWEEN BUILDINGS IF AREA FOR NEW RACEWAY HAS EXISTING UNDERGROUND UTILITY LINES.

ELECTRICAL:

1. ALL ELECTRICAL WORK SHALL BE UNDER THE MASTER ELECTRICIAN WHO PULLED THE PERMIT AND ITS JOURNEYMAN ELECTRICIANS.
2. PERFORM ALL WORK PER ADOPTED N.E.C. AND APPLICABLE STATE STANDARDS, UNLESS DRAWINGS OR SPECIFICATIONS HAVE MORE STRINGENT REQUIREMENTS.
3. UNLESS NOTED OTHERWISE, MINIMUM POWER CIRCUIT IS TO BE #12 THWN WITH #12 GROUND IN 3/4" CONDUIT, WITH THE EXCEPTION THAT ANY CIRCUIT LONGER THAN 100 FEET SHALL BE MINIMUM #10 AWG WITH #10 GROUND WIRE. CIRCUIT LONGER THAN 200 FEET SHALL BE MINIMUM #8 AWG WITH #10 GROUND WIRE MINIMUM.
4. ALL EXISTING ID NAMETAGS AND CIRCUIT IDENTIFICATION MUST BE REVISED TO REFLECT CURRENT CONDITIONS FOR ALL EQUIPMENT WHICH IS NEW, REPLACED, OR DEMOLISHED. REMOVE ID NAMETAGS FOR DEMOLISHED EQUIPMENT. REPLACE EXISTING NAMETAGS WITH NEW FOR REPLACED EQUIPMENT, IF REPLACEMENT EQUIPMENT HAS DIFFERENT NAME. PROVIDE NEW NAMETAGS FOR ALL NEW EQUIPMENT. ALL CIRCUIT BREAKER DIRECTORIES FOR PANELS IN WHICH NEW WORK TAKES PLACE ARE TO BE REPLACED WITH NEW DIRECTORIES WHICH LIST EXISTING CIRCUITS AND NEW. ALL UNUSED CIRCUITS ARE TO BE MARKED AS 'SPARE' IN THE DIRECTORIES. DIRECTORIES ARE TO BE COMPUTER GENERATED; NO HAND WRITTEN DIRECTORIES ARE ACCEPTABLE.
5. HAND-WRITTEN CIRCUIT BREAKER DIRECTORIES WILL NOT BE ACCEPTED. DIRECTORIES MUST BE COMPUTER GENERATED AND PRINTED TO REFLECT FINAL INSTALLED CONDITIONS.
6. MARK ALL J-BOXES WITH INDELIBLE INK, INDICATING POWER CIRCUITRY INFORMATION. LABEL ALL EQUIPMENT ITEMS PER SPECIFICATIONS.
7. ALL EXTERIOR RACEWAYS ABOVE GROUND SHALL BE RIGID GALVANIZED.
8. UNDER NO CIRCUMSTANCES SHALL MORE THAN THREE CIRCUITS SHARE THE SAME NEUTRAL, AND SUCH CIRCUITS MUST BE SEPARATE PHASE.
9. USE LONG-SWEEPS ELBOWS FOR ALL CHANGES IN DIRECTION ON CONDUIT RUNS.
10. ALL INTERIOR RACEWAYS SHALL BE EMT.
11. FIELD VERIFY PROJECT SITE EXISTING CONDITIONS AND ELEVATIONS PRIOR TO BEGINNING ANY WORK.
12. PHASING AND SEQUENCE OF CONSTRUCTION SHALL BE PER DRAWINGS AND SPECIFICATIONS.
13. ALL MATERIALS AND LABOR, WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT, WHICH ARE NECESSARY FOR THE PROPER INSTALLATION AND FUNCTION OF THE SYSTEM SHALL BE FURNISHED BY THIS CONTRACTOR. INCLUDE ALL COSTS OF CHANGES, IF/AS REQUIRED IN BID PROPOSAL.
14. ELECTRICAL WIRING SHALL NOT BE SPLICED BELOW GRADE.
15. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH PROJECT, INCLUDING FEES FOR INSPECTIONS, APPLICATIONS, AND PROVISION OF NEW SERVICES.
16. CONTRACTOR WHO WILL ACTUALLY PERFORM WORK MUST APPLY FOR ALL REQUIRED PERMITS.
17. NOTIFY ENGINEER OF ANY ASPECTS OF DESIGN WHICH ARE THOUGHT TO BE IN NONCOMPLIANCE WITH APPLICABLE CODES.
18. COORDINATE ALL WORK WITH OTHER TRADES; COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.
19. SEAL AROUND ELECTRICAL RACEWAYS AT ALL WALLS AND WALL LOUVER PENETRATIONS WITH FIREPROOF CAULKING. RE: SPECS. PROVIDE FLASHING AROUND PENETRATION, BOTH INSIDE AND OUTSIDE, TO PROVIDE FINISHED LOOK.
20. CONTRACTOR SHALL REVIEW COMPLETE DOCUMENTS PRIOR TO SUBMITTAL OF PROPOSAL TO GAIN COMPLETE UNDERSTANDING OF PROJECT SCOPE, WORK BY OTHERS, AND ELECTRICAL WORK ASSOCIATED WITH OTHER DISCIPLINES.
21. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCE AROUND ALL EQUIPMENT.
22. AFFIX ID TAGS TO ALL DIVISION 26 EQUIPMENT.
23. FIELD VERIFY ALL CONDITIONS AND MEASURE DIMENSIONS WITHIN THE BUILDING PRIOR TO ORDERING EQUIPMENT AND/OR PROCEEDING WITH INSTALLATION.
24. ALL EQUIPMENT SHALL BE FACTORY TESTED, AND CONTRACTOR SHALL VERIFY THEIR CONDITION PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT DAMAGED DURING MOVING AND INSTALLATION.
25. EQUIPMENT FOUND DEFECTIVE PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED AT NO COST TO OWNER.
26. SLEEVE ALL EXTERIOR WALL PENETRATIONS.

FIRE ALARM SYSTEM GENERAL NOTES:

1. ADJUST LOCATION OF NEW FIRE ALARM DEVICES IF NECESSARY DUE TO EXISTING CONDITIONS.
2. ALL WORK THAT COULD DISRUPT SCHOOL INSTRUCTION SHALL BE SCHEDULED FOR AFTER SCHOOL OR DURING HOLIDAY HOURS. COORDINATE WITH THE SCHOOL PRINCIPAL.
3. PROVIDE ADDITIONAL DEVICES DESCRIBED BELOW THAT MATCH PRODUCTS INSTALLED & THAT ARE PACKAGED WITH A PROTECTIVE COVERING FOR STORAGE & IDENTIFIED WITH LABELS DESCRIBING THE CONTENTS. INCLUDE THE INSTALLATION COST IN BASE BID PROPOSAL.
   A. MANUAL PULL STATIONS WITH S.T.I. COVER: FIVE (5) OF EACH TYPE & RATING INSTALLED.
   B. SPEAKER STROBE: TEN (10) OF EACH TYPE & RATING INSTALLED.
   C. STROBE LIGHTS: TEN (10) OF EACH TYPE & RATING INSTALLED.
   D. H.V.A.C. DUCT SMOKE DETECTORS: FIVE (5) OF EACH TYPE & RATING INSTALLED.
   E. HEAT DETECTORS: TWO (2) OF EACH TYPE & RATING INSTALLED.
   F. SMOKE DETECTORS: TEN (10) OF EACH TYPE & RATING INSTALLED.
   G. PVC, EMT & RMC RACEWAYS: 100 FT OF 1" OF EACH TYPE TOTAL INCLUDING TRENCHING, HANGERS, ETC.
   H. FIRE SMOKE DAMPERS: TEN (10).
4. INDICATING NEW DEVICES: PROVIDE POLYCARBONATE COVERS WHEN LOCATED IN PUBLIC SPACES (UNSUPERVISED OR AREAS SUBJECT TO DAMAGE SUCH AS GYMNASIUMS, HALLWAYS, CAFETORIUMS, RESTROOMS, EXTERIOR WALKWAYS, ETC.)
5. ABANDONED BOXES WHERE DEVICES WERE REMOVED SHOULD BE COVERED UP WITH STAINLESS STEEL BLANK COVER. PATCH AND PAINT WALL IF NECESSARY.
6. REMOVED MATERIALS SHALL BELONG TO OWNER. DELIVER THEM TO OWNERS DESIGNATED LOCATION. IF OWNER DOES NOT WANT THE REMOVED MATERIALS THEN REMOVE THEM FROM SITE & PROPERLY DISPOSE OF THEM.
7. IF REMOVAL OF EQUIPMENT IN SCOPE OF WORK IS DETERMINED TO BE REQUIRED TO REMAIN IN ORDER TO NOT INTERRUPT SERVICES TO PORTION OF BUILDING NOT IN SCOPE OF WORK THE ENGINEER SHALL BE CONTACTED. THE ENGINEER WILL PROVIDE INSTRUCTIONS ON HOW TO PROCEED.
8. FIELD COORDINATE PRIOR TO BIDDING TO ASSESS EXISTING CONDITIONS.
9. IF THE MOUNTING HEIGHT OF EXISTING ROUGH-INS COMPLIES WITH T.D.L.R. & A.D.A. REQUIREMENTS, THEY ARE TO BE UTILIZED TO INSTALL NEW DEVICES. OTHERWISE, CONTRACTOR SHALL PROVIDE A ONE-PIECE METAL SURFACE RACEWAY (WIREMOLD) WITH ASSOCIATED BACK BOX & FITTINGS AT APPROPRIATE WALL MOUNTING HEIGHT. IF ACCESSIBLE WALLS EXIST MAKE EVERY ATTEMPT TO PROVIDE A RECESSED ROUGH-IN TO INSTALL DEVICES FLUSH WITH THE WALL.
10. WHERE CEILING GRID MOUNTED DEVICES ARE EXISTING TO BE REMOVED, REPLACE EXISTING CEILING TILE OF REMOVED DEVICE. MATCH TYPE AND COLOR OF EXISTING TILES. ANY OTHER CEILING TILE THAT IS REMOVED OR BROKEN BY THE CONTRACTOR TO BE REPLACED.
11. DUCT SMOKE DETECTORS SHALL BE IN SUPERVISORY.

FIRE ALARM CODE:

1. THE FIRE ALARM SYSTEM SHALL COMPLY WITH THE FOLLOWING:

A. NFPA 70.

B. NFPA 72.

C. INTERNATIONAL FIRE CODE.

D. NFPA 101 LIFE SAFETY CODE.

FIRE ALARM SYSTEMS SYMBOL LEGEND:

SYMBOL	DESCRIPTION
AV$_D$	EXISTING WALL MOUNTED AUDIO VISUAL STROBE LIGHT TO BE REMOVED.
SS$^{WP}_N$	NEW WALL MOUNT FIRE ALARM SPEAKER STROBE (WEATHER PROOF).
SS$^{WP}_E$	EXISTING WALL MOUNTED SPEAKER STROBE TO BE REPLACED (WEATHER PROOF).
SS$^{WP}_D$	EXISTING WALL MOUNTED SPEAKER STROBE TO BE REMOVED (WEATHER PROOF).
SS$_N$	NEW WALL MOUNTED SPEAKER STROBE.
SS$_E$	EXISTING WALL MOUNTED SPEAKER STROBE TO REPLACED.
SS$^{WG}_N$	NEW WALL MOUNT FIRE ALARM SPEAKER STROBE (WIREGUARD).
CS$_N$	NEW CEILING MOUNTED SPEAKER STROBE.
CS$^{WG}_N$	NEW CEILING MOUNTED SPEAKER STROBE. PROVIDE WIRE GUARD "WG" WHERE DESIGNATED.
V$^{WP}_N$	NEW WALL MOUNT FIRE ALARM STROBE LIGHT (WEATHER PROOF).
V$_N$	NEW WALL MOUNTED STROBE LIGHT.
V$_D$	EXISTING WALL MOUNTED STROBE LIGHT TO BE REMOVED.
V$^{WP}_N$	NEW CEILING MOUNTED WATER PROOF STROBE LIGHT. CEILING MOUNT CENTERED IN THE SPACE TO BE VISIBLE FROM ANY AREA OF THE ROOM (U.N.O.)
V$_N$	NEW CEILING MOUNTED STROBE LIGHT.
SD$_N$	NEW CEILING MOUNTED SMOKE DETECTOR.
SD$^{WG}_N$	NEW CEILING MOUNTED SMOKE DETECTOR. PROVIDE WIRE GUARD "WG" WHERE DESIGNATED.
SD$_N$	NEW WALL MOUNTED SMOKE DETECTOR.
SD$^{WG}_N$	NEW WALL MOUNTED SMOKE DETECTOR. PROVIDE WIRE GUARD "WG" WHERE DESIGNATED.
HD$_N$	NEW WALL MOUNTED HEAT DETECTOR.
HD$_N$	NEW CEILING MOUNTED HEAT DETECTOR.
HD$^{WP}_N$	NEW CEILING MOUNTED WATER PROOF HEAT DETECTOR.
PS$_E$	EXISTING MANUAL PULL STATION TO BE REPLACED.
PS$_N$	NEW MANUAL PULL STATION.
DD$_N$	NEW HVAC DUCT DETECTOR.
DD$_E$	EXISTING HVAC DUCT DETECTOR TO BE REPLACED.
▭	FIRE ALARM CONTROL PANEL (SURFACE MOUNTED)
▬	FIRE ALARM ANNUNCIATOR PANEL (SURFACE MOUNTED)
▪	FIRE ALARM ANNUNCIATOR PANEL (SURFACE MOUNTED)

EMERGENCY RADIO COMMUNICATION SYSTEM: SYMBOL LEGEND (ALTERNATE BID):

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
CB/CO	COMBINER/COUPLER	- - - -

LINE TYPE LEGEND

– – – – – –	UNDERGROUND
————	ABOVE CEILLING

ABBREVIATIONS:

ACL	ABOVE CEILING LINE	EXP.	EXPOSED CEILING
AFF	ABOVE FINISHED FLOOR	HT.	HEIGHT
B.	BOTTOM	ID	IDENTIFICATION
BLC.	BELOW CEILING LINE	N.I.C	NOT IN CONTRACT
C.	CONDUIT OR COMMON	FA	FIRE ALARM
CLG.	CEILING OR COOLING	GYP.	GYPSUM BOARD CEILING
COND.	CONDUIT	NTS	NOT TO SCALE
EMT	ELECTRICAL METALLIC TUBING	RM.	ROOM
E.R.C.E.S	EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS	S.A.C.	SUSPENDED ACOUSTICAL CEILING
		U.N.O	UNLESS NOTED OTHERWISE

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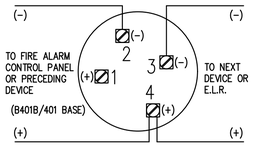
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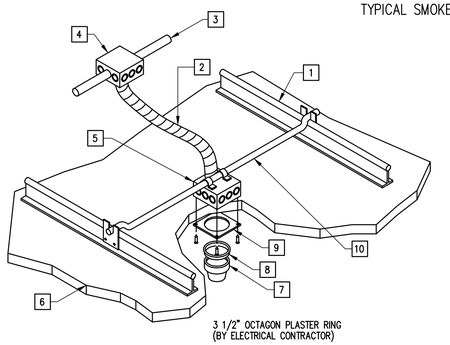
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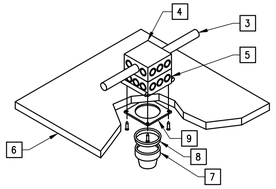
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TYPICAL SMOKE DETECTOR HOOK–UP



LIFT OUT OR INTERLOCKING TYPE CEILINGS
DETECTOR MOUNTING DETAIL
(LAY–IN CEILING)



SHEET ROCK OR PLASTER TYPE CEILINGS
DETECTOR MOUNTING DETAIL

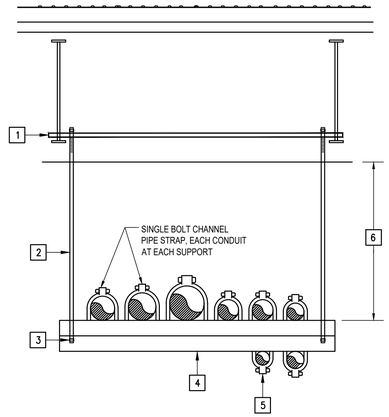
ALL SMOKE DETECTORS WILL BE PLACED AT LEAST THREE(3) FEET AWAY FROM A.H.U. SUPPLY AIR VENTS.

KEYED NOTES:

1. SUSPENDED CEILING TEE BARS.
2. 1/2" FLEX CONDUIT.
3. DETECTION SYSTEM CONDUIT.
4. NOTE–FURNISHED AND INSTALL JUNCTION BOXES ABOVE THE CEILING (MOUNTED TO STRUCTURE) WITH FLEXIBLE CONDUIT CONNECTIONS TO ALARM DEVICE WIRING BOX AT CEILING GRID.
5. 4" SQUARE OR OCTAGONAL ELECTRICAL BOX FOR HEAT DETECTOR/INTRUSION ALARM DEVICE MIN. 2 1/8" DEEP.
6. EXISTING CEILING. REPLACE EXISTING TO MATCH EXISTING.
7. DETECTOR.
8. TRIM RING.
9. 3 1/2" OCTAGON PLASTER RING (BY ELECTRICAL CONTRACTOR)
10. CADDIE NO. 512 ELECTRICAL BOX HANGER OR EQUAL.

01 HEAT/SMOKE DETECTOR DETAIL

SCALE : NOT TO SCALE



KEYED NOTES:

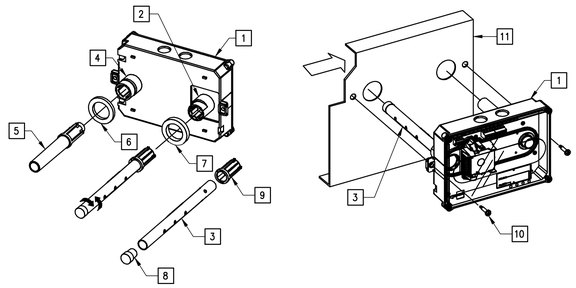
1. PROVIDE UNISTRUT STRUCTURAL CHANNEL SECURED TO TO JOIST AT BOTH ENDS.
2. PROVIDE 1/2" GALVANIZED THREADED ROD MINIMUM.
3. PROVIDE LOCKNUT.
4. PROVIDE GALVANIZED UNISTRUT 8'–0" O/C MAXIMUM.
5. 0'–1" MAXIMUM SIZE ON BOTTOM OF UNISTRUT.
6. VARIES.

02 HORIZONTAL RACEWAYS SUPPORT DETAIL

SCALE : NOT TO SCALE

KEYED NOTES:

1. DETECTOR.
2. SAMPLING TUBE SOCKET.
3. SAMPLING TUBE.
4. EXHAUST TUBE SOCKET.
5. EXHAUST TUBE.
6. THIN GASKET.
7. THICK GASKET.
8. PLUG.
9. COUPLING.
10. #10 SHEET METAL SCREW (2X).
11. HVAC DUCT.

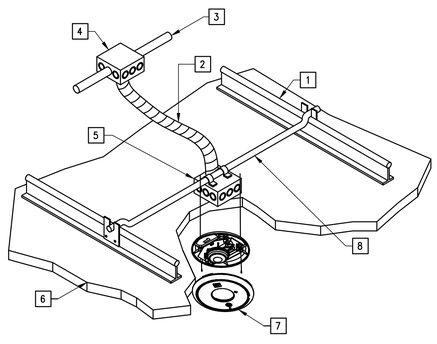


03 DUCT DETECTOR DETAIL

SCALE : NOT TO SCALE

KEYED NOTES:

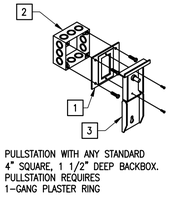
1. SUSPENDED CEILING TEE BARS.
2. 1/2" FLEX CONDUIT.
3. DETECTION SYSTEM CONDUIT.
4. NOTE–FURNISHED AND INSTALL JUNCTION BOXES ABOVE THE CEILING (MOUNTED TO STRUCTURE) WITH FLEXIBLE CONDUIT CONNECTIONS TO ALARM DEVICE WIRING BOX AT CEILING GRID.
5. NORTH AMERICAN 4" SQUARE BOX AND 2 1/8" DEEP WITH HANGER.
6. EXISTING CEILING. REPLACE EXISTING TO MATCH EXISTING.
7. SPEAKER STROBE OR STROBE.
8. CADDIE NO. 512 ELECTRICAL BOX HANGER OR EQUAL

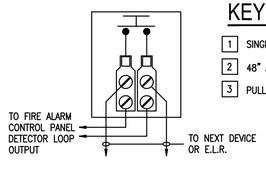


LIFT OUT OR INTERLOCKING TYPE CEILINGS
(LAY–IN CEILING)

04 SPEAKER STROBE/STROBE DETAIL

SCALE : NOT TO SCALE





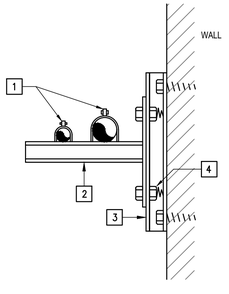
TYPICAL PULL STATION HOOK–UP

KEYED NOTES:

1. SINGLE GANG PLASTER RING.
2. 48" AFF.
3. PULL STATION WITH STI COVER.

05 WALL MOUNTED PULLSTATION

SCALE : NOT TO SCALE



KEYED NOTES:

1. PROVIDE CONDUIT CLAMPS.
2. PROVIDE GALVANIZED UNISTRUT WALL BRACKET.
3. PROVIDE RAMSET OR BOLT GALVANIZED UNISTRUT TO WALL.
4. PROVIDE SELF HOLDING CLAMPING NUT WITH SPRING.

06 RACEWAY RUNS SUPPORT DETAIL

SCALE : NOT TO SCALE

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SANTA ROSA I.S.D.

FIRE ALARM SYSTEM UPGRADES AT MULTIPLE BUILDINGS

TEXAS

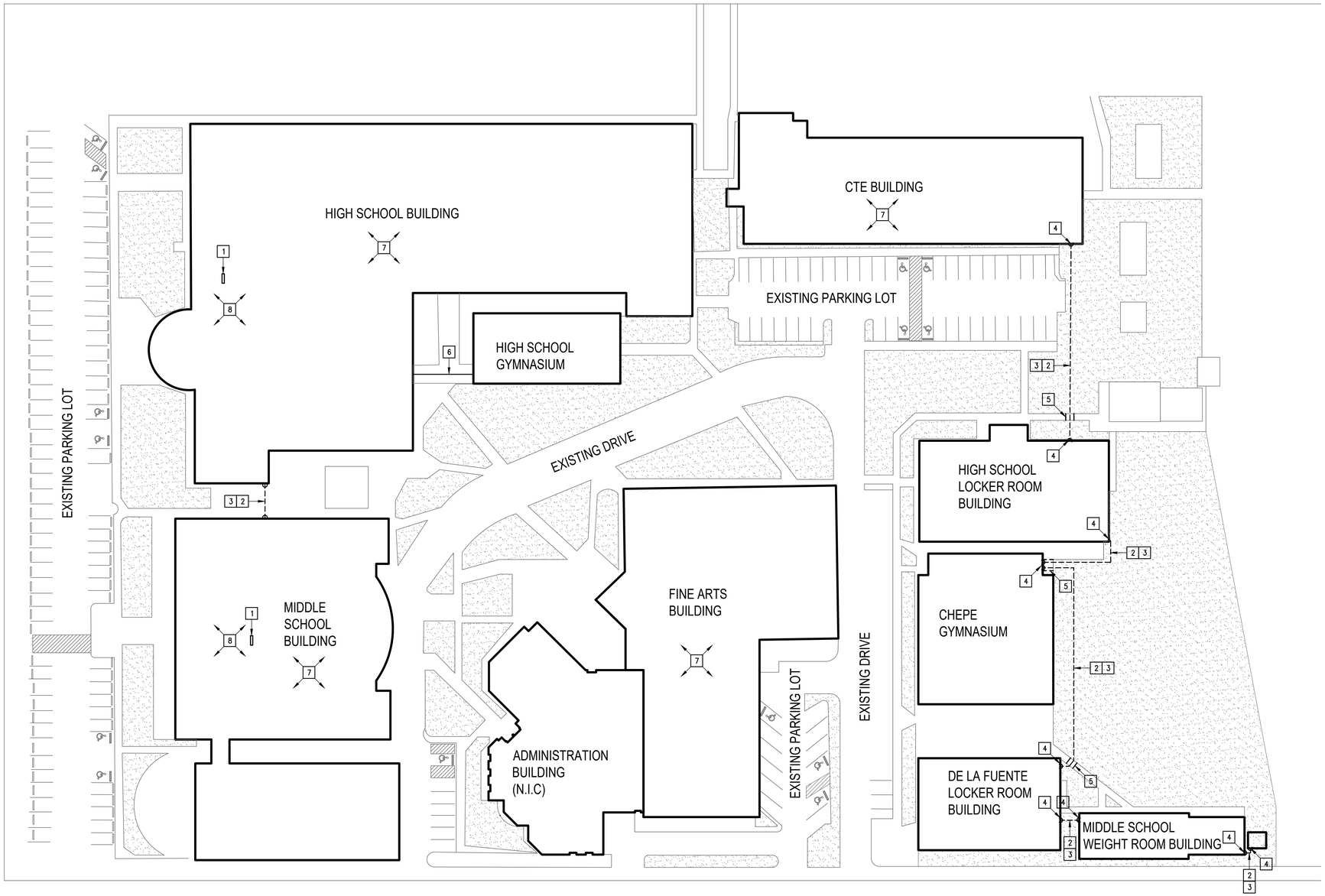
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DATE: MAY 07, 2026
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PROJECT NO.: 25V105
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SHEET: E2.1

JESUS R CRUZ

SANTA ROSA BLVD



JESUS TAVILA

01 SANTA ROSA CAMPUS FIRE ALARM SITE PLAN
SCALE : 1" = 40'

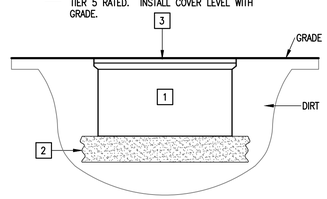
NORTH

KEYED NOTES:

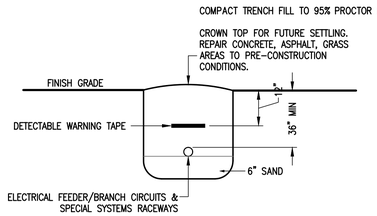
1. APPROXIMATE LOCATION OF EXISTING FIRE ALARM CONTROL PANEL SILENT KNIGHT 6820EVS.
2. PROVIDE 2" RACEWAY UNDERGROUND FOR FIRE ALARM WIRING.
3. PRIOR TO TRENCHING CONTRACTOR IS REQUIRED TO INVESTIGATE AND LOCATE UNDERGROUND UTILITY LINES. TYPICAL.
4. RISE UP RACEWAY ALONG EXTERIOR WALL AND PENETRATE EXISTING BUILDING AT AN ACCESSIBLE LOCATION ABOVE CEILING – TYPICAL.
5. SAWCUT EXISTING CONCRETE SIDEWALK. REPAIR TO MATCH EXISTING CONDITIONS.
6. PROVIDE 2" RACEWAY FOR FIRE ALARM ABOVE EXISTING CANOPY.
7. EXISTING FIRE ALARM DEVICES TO REMAIN AS LONG THEY CAN BE FULLY FUNCTIONAL ONCE THE HIGH SCHOOL AND MIDDLE SCHOOL FIRE ALARM SYSTEMS ARE INTEGRATED.
8. PROVIDE GLOBAL ANNUNCIATOR IN ADMINISTRATION AREA TO PROVIDE REAL TIME STATUS OF ALL INTERCONNECTED BUILDINGS AS PART OF THE UNIFIED SYSTEM. COORDINATE WITH OWNER FOR ANNUNCIATOR PREFERRED LOCATION.

KEYED NOTES:

1. PROVIDE POLYMER CONCRETE PULL BOX TIER 5 RATED. COMPLYING WITH ANSI/SCTE 77 AND NEC 314.30.
2. PROVIDE 8" OF GRAVEL OR CRUSHED ROCK.
3. PROVIDE ONE PIECE LOCKING COVER WITH LOGO TIER 5 RATED. INSTALL COVER LEVEL WITH GRADE.



02 POLYMER CONCRETE PULLBOX DETAIL
SCALE : NONE



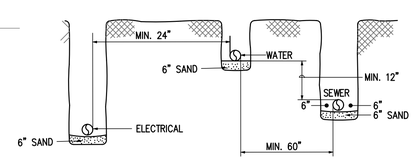
03 BURIAL DETAIL FOR ELECTRICAL RACEWAYS
SCALE : NONE

CLEAR TRENCH OF ALL ROCKS AND DEBRIS BEFORE ADDING SAND CUSHION.

COMPACT TRENCH FILL TO 95% PROCTOR DENSITY.

MAINTAIN A MINIMUM OF 60 INCHES UNDISTURBED EARTH BETWEEN PARALLEL WATER AND SEWER LINES OR SUPPORT WATER LINE ON SEPARATE SHELF A MINIMUM OF 12" ABOVE SEWER LINE.

MAINTAIN A MINIMUM OF 24" HORIZONTALLY BETWEEN ELECTRICAL AND SEWER. MAINTAIN A MINIMUM OF 12" VERTICALLY OR 24" HORIZONTALLY BETWEEN ELECTRICAL AND WATER LINES, GAS LINES, TELEPHONE RACEWAYS AND CABLE RACEWAYS.



04 TRENCHING DETAIL
SCALE : NONE

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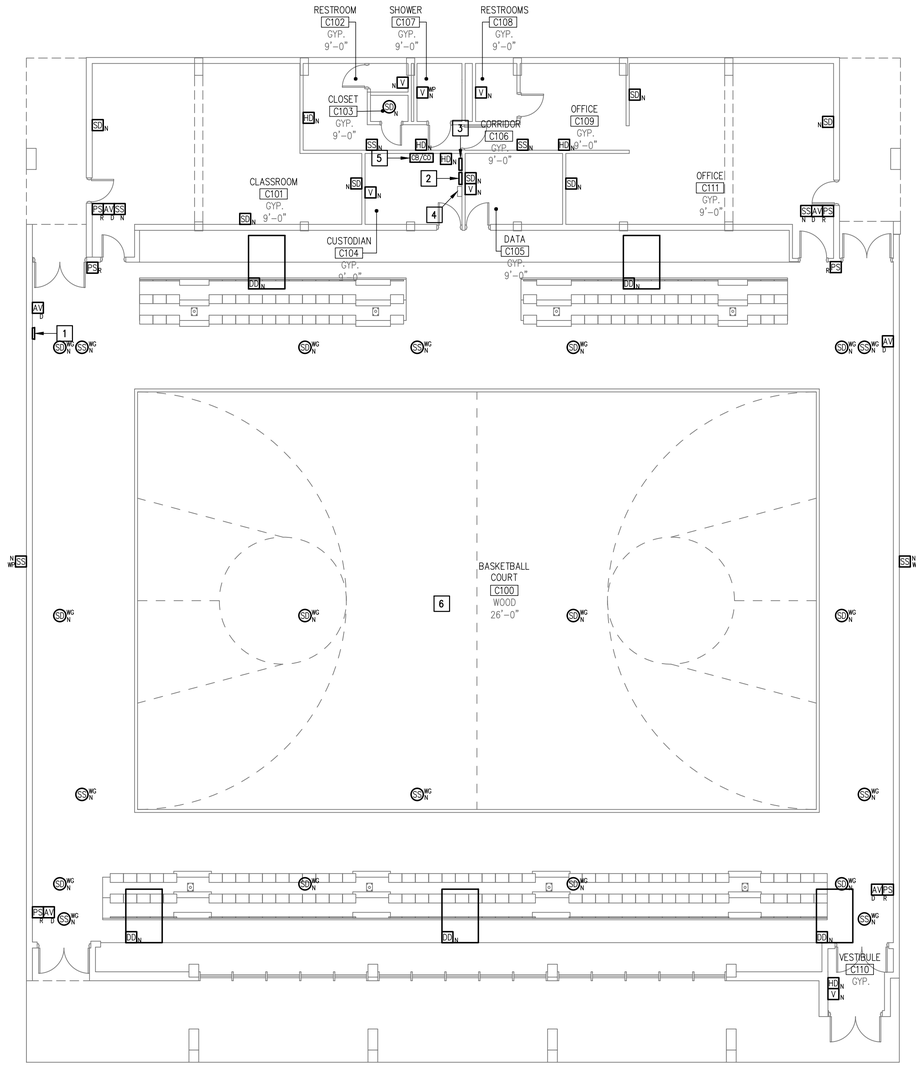
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DRAWN BY: T.L.
PROJECT NO.: 25V105
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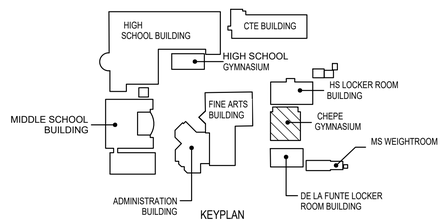


CHEPE GYMNASIUM
01 FIRE ALARM PLAN
SCALE : 1/8" = 1'-0"

NORTH

KEYED NOTES:

1. PROVIDE REMOTE ANNUNCIATOR SURFACE MOUNTED ON WALL. PAINT WIREMOLD TO MATCH EXISTING WALL. PROVIDE CLEAR LOCKING COVER.
2. PROVIDE FIRE ALARM POWER SUPPLY; BRANCH CIRCUIT: 1/2" – 2#12 & #12G, TO NEAREST 120V, 20A/1P SPARE CIRCUIT BREAKER. PROVIDE 20A/1P C.B. TO MATCH EXISTING IN AVAILABLE SPACE IF NEEDED.
3. PROVIDE FIRE ALARM EMERGENCY VOICE SYSTEM AMPLIFIER; BRANCH CIRCUIT: 1/2" – 2#12 & #12G, TO NEAREST 120V, 20A/1P SPARE CIRCUIT BREAKER. PROVIDE 20A/1P C.B. TO MATCH EXISTING IN AVAILABLE SPACE IF NEEDED.
4. APPROXIMATE LOCATION OF EXISTING PANELBOARD.
5. PROPOSED LOCATION OF COMBINER/COUPLER.
6. MOUNT FIRE ALARM DEVICES TO EXISTING WOOD STRUCTURAL MEMBERS. DO NOT CUT, NOTCH, BORE, OR OTHERWISE STRUCTURALLY MODIFY FRAMING MEMBERS. ATTACHMENT OF BOXES AND CONDUIT SUPPORTS WITH SCREWS OR LISTED FASTENERS IS PERMITTED, PROVIDED INSTALLATION DOES NOT COMPROMISE THE STRUCTURAL CAPACITY OR ARCHITECTURAL FINISH OF THE MEMBERS. CONTRACTOR SHALL FIELD-VERIFY MOUNTING METHODS.



KEYPLAN

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UPGRADES AT MULTIPLE BUILDINGS
TEXAS

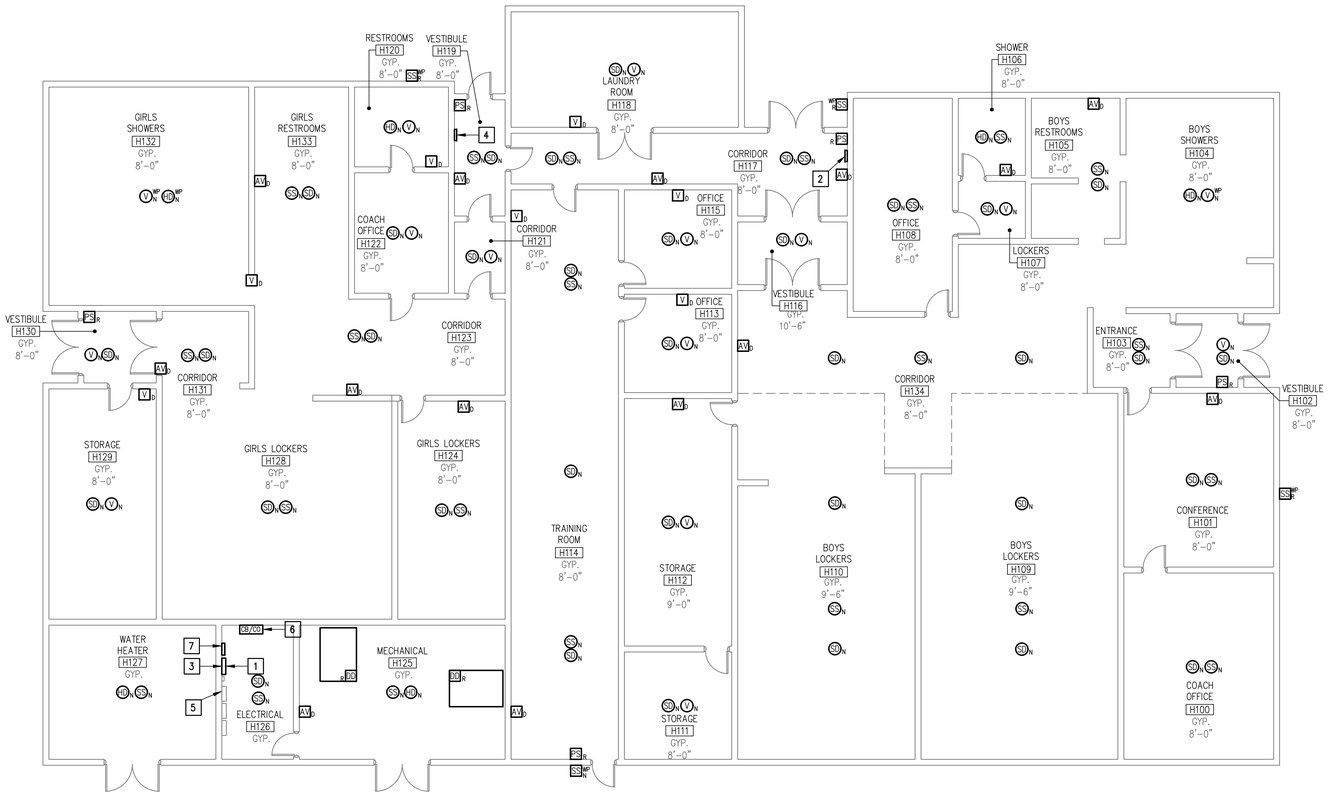
FIRE ALARM SYSTEM
SANTA ROSA

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PROJECT NO.:	25V105
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SHEET:	E3.2

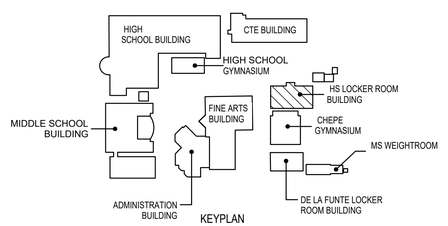
KEYED NOTES:

1. REMOVE EXISTING SILENT KNIGHT SK-4224 FIRE ALARM CONTROL PANEL.
2. PROVIDE NEW REMOTE ANNUNCIATOR SURFACE MOUNTED ON WALL. PAINT WIREMOLD TO MATCH EXISTING WALL.
3. PROVIDE FIRE ALARM POWER SUPPLY; RETAIN AND REUSE BRANCH CIRCUIT FROM REMOVED FIRE ALARM CONTROL PANEL.
4. REMOVE EXISTING REMOTE ANNUNCIATOR SURFACE MOUNTED ON WALL. PATCH AND PAINT WALL TO MATCH EXISTING WALL.
5. APPROXIMATE LOCATION OF EXISTING PANELBOARD.
6. PROPOSED LOCATION OF COMBINER/COUPLER.
7. PROVIDE FIRE ALARM EMERGENCY VOICE SYSTEM AMPLIFIER; EXTEND EXISTING FIRE ALARM BRANCH CIRCUIT.



01 HIGH SCHOOL LOCKER ROOM BUILDING FIRE ALARM PLAN
SCALE : 1/8" = 1'-0"

NORTH



KEYPLAN

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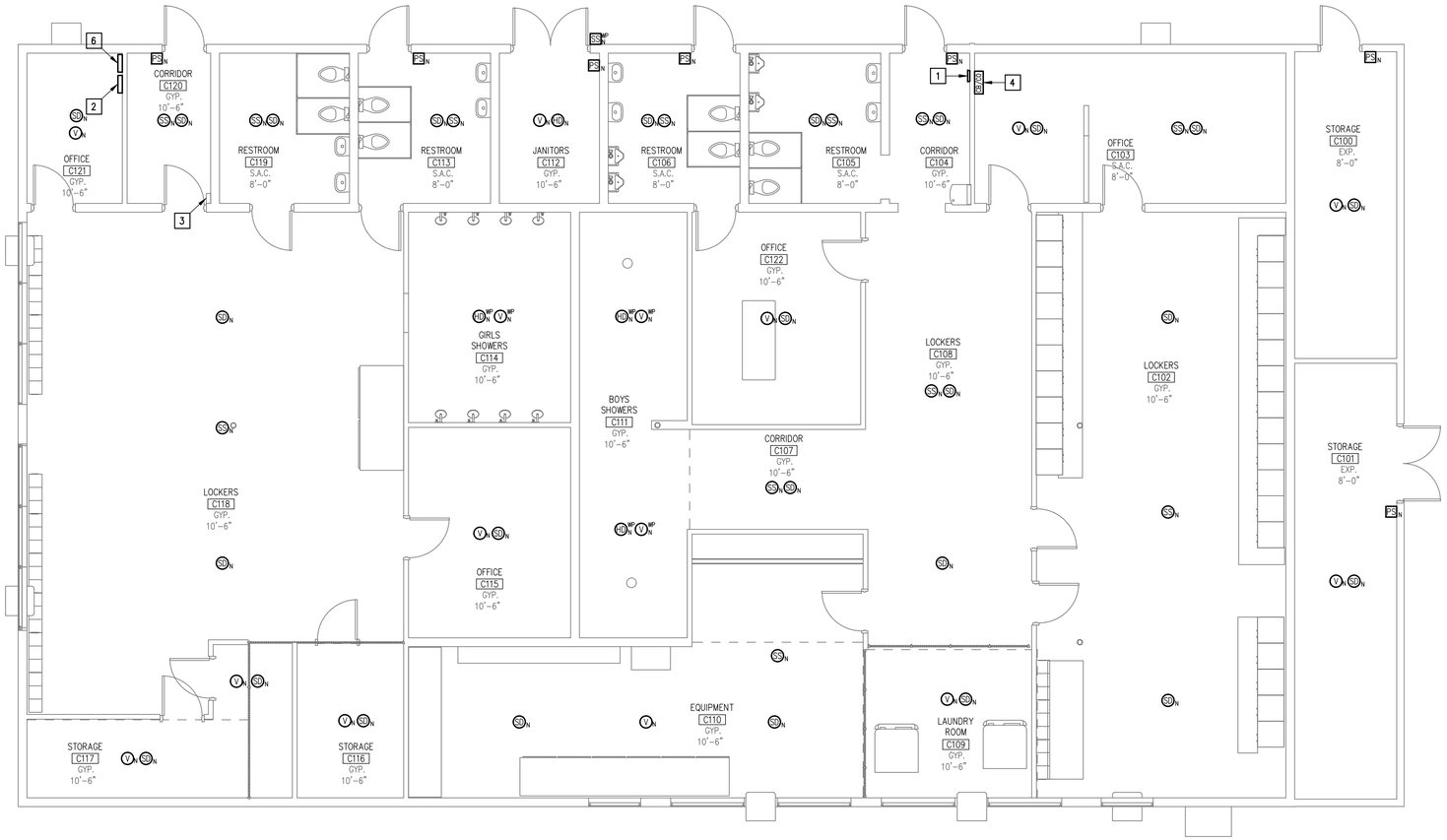
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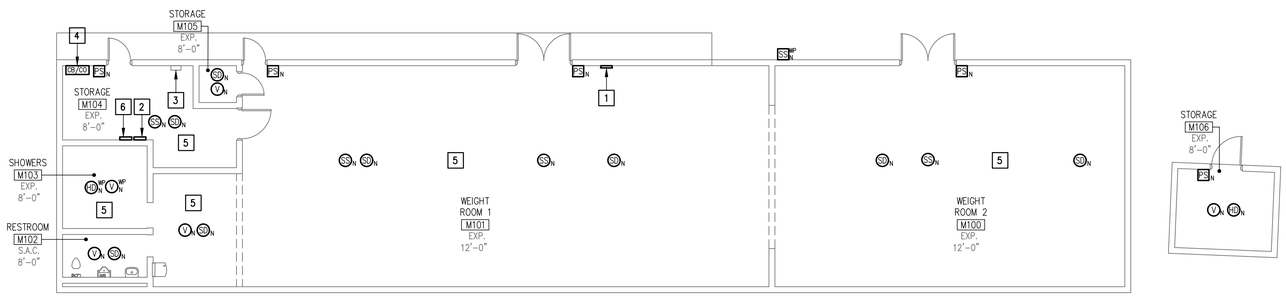
DATE:	MAY 07, 2026
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DRAWN BY:	T.L.
PROJECT NO.:	25V105
CAD FILE:	-
SHEET:	E3.3



01 DE LA FUENTE LOCKER ROOM BUILDING FIRE ALARM PLAN

SCALE : 3/16" = 1'-0"

NORTH



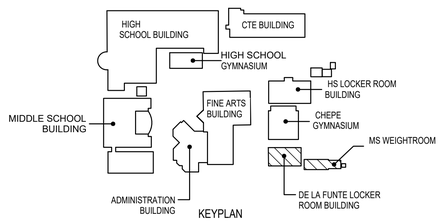
02 MIDDLE SCHOOL WEIGHT ROOM BUILDING FIRE ALARM PLAN

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

NORTH

KEYED NOTES:

1. PROVIDE REMOTE ANNUNCIATOR SURFACE MOUNTED ON WALL. PAINT WIREMOLD TO MATCH EXISTING WALL.
2. PROVIDE FIRE ALARM POWER SUPPLY; BRANCH CIRCUIT: 1/2" – 2#12 & #12G, TO NEAREST 120V, 20A/1P SPARE CIRCUIT BREAKER. PROVIDE 20A/1P C.B. TO MATCH EXISTING IN AVAILABLE SPACE IF NEEDED.
3. APPROXIMATE LOCATION OF EXISTING LOADCENTER.
4. PROPOSED LOCATION OF COMBINER/COUPLER.
5. PROVIDE UNITSTRUT TO ATTACH TO STRUCTURAL STEEL FOR MOUNTING OF FIRE ALARM DEVICES – TYPICAL.
6. PROVIDE FIRE ALARM EMERGENCY VOICE SYSTEM AMPLIFIER; BRANCH CIRCUIT: 1/2" – 2#12 & #12G, TO NEAREST 120V, 20A/1P SPARE CIRCUIT BREAKER. PROVIDE 20A/1P C.B. TO MATCH EXISTING IN AVAILABLE SPACE IF NEEDED.



KEYPLAN

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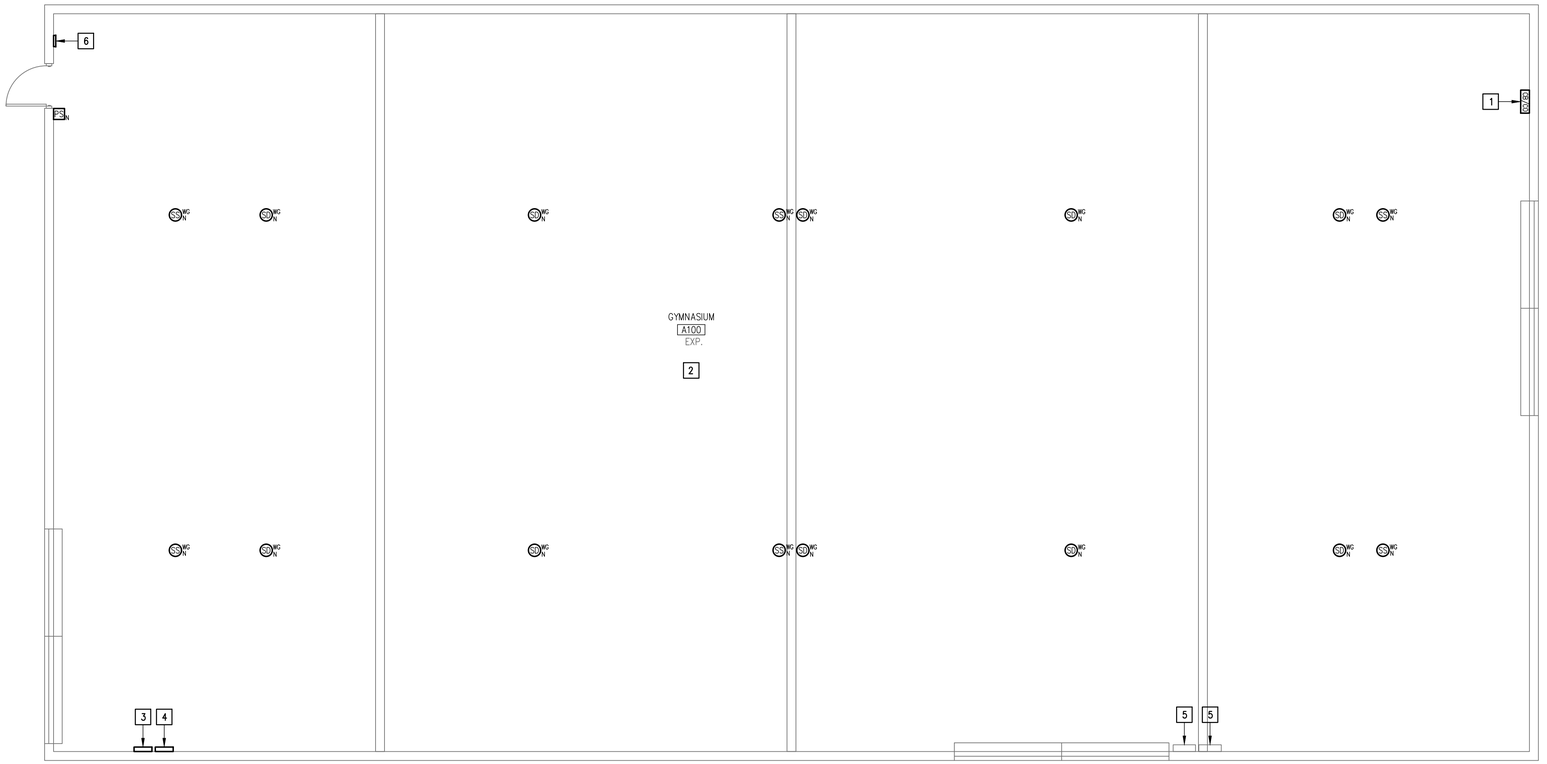
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FIRE ALARM SYSTEM
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PROJECT NO.:	25V105
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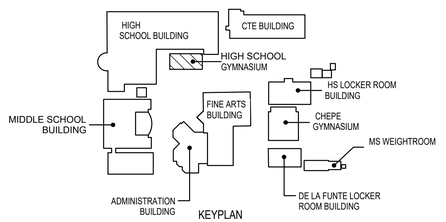
KEYED NOTES:

1. PROPOSED LOCATION OF COMBINER/COUPLER.
2. PROVIDE UNITSTRUT TO ATTACH TO STRUCTURAL STEEL FOR MOUNTING OF FIRE ALARM DEVICES – TYPICAL.
3. PROVIDE FIRE ALARM POWER SUPPLY; BRANCH CIRCUIT: 1/2" – 2#12 & #12G, TO NEAREST 120V, 20A/1P SPARE CIRCUIT BREAKER. PROVIDE 20A/1P C.B. TO MATCH EXISTING IN AVAILABLE SPACE IF NEEDED.
4. PROVIDE FIRE ALARM EMERGENCY VOICE SYSTEM AMPLIFIER; BRANCH CIRCUIT: 1/2" – 2#12 & #12G, TO NEAREST 120V, 20A/1P SPARE CIRCUIT BREAKER. PROVIDE 20A/1P C.B. TO MATCH EXISTING IN AVAILABLE SPACE IF NEEDED.
5. APPROXIMATE LOCATION OF EXISTING LOADCENTER.
6. PROVIDE REMOTE ANNUNCIATOR SURFACE MOUNTED ON WALL. PROVIDE CLEAR LOCKING COVER.



01 HIGH SCHOOL GYMNASIUM FIRE ALARM PLAN
SCALE : 3/16" = 1'-0"

NORTH



KEYPLAN

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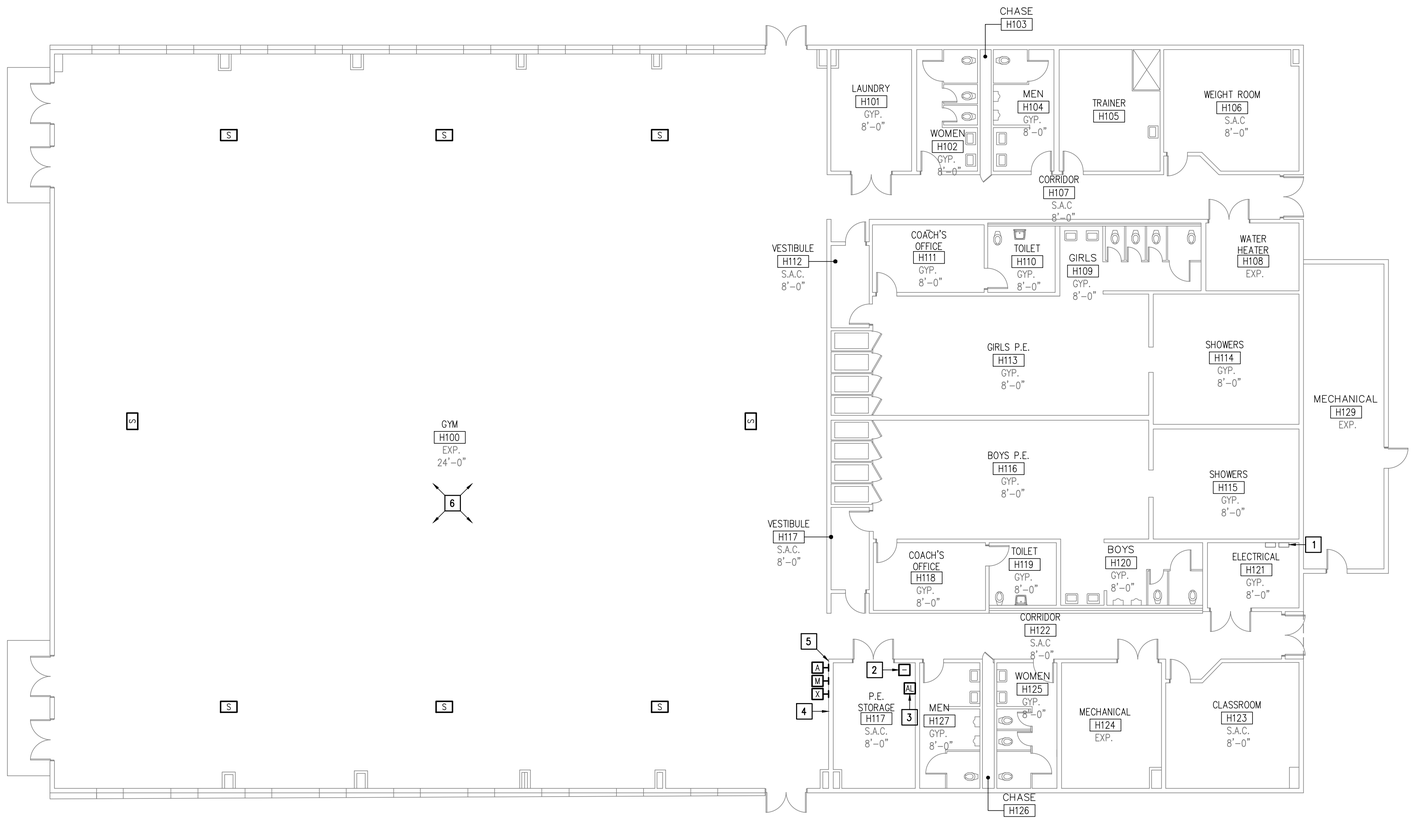
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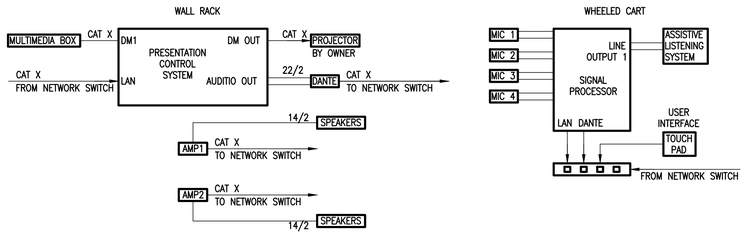


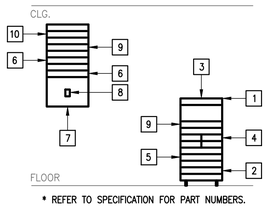
KEYED NOTES:

1. APPROXIMATE LOCATION OF EXISTING 225A, 120/208V, 3ϕ, 4W SQUARE "D" NQOD PANELBOARD "LH".
2. PROVIDE GYM SOUND SYSTEM WHEELED CART – SEE SPECIFICATIONS.
3. PROVIDE RACK MOUNTED AMPLIFIER AND ASSISTIVE LISTENING TRANSMITTER; PROVIDE NEW BRANCH CIRCUIT: 1/2" –2#12 & #12G. PROVIDE NEW 20AMP/1P CIRCUIT BREAKER (MATCH EXISTING) IN PANELBOARD "LH" AVAILABLE SPACE.
4. ASSISTED LISTENING SYSTEM ANTENNA TO BE MOUNTED TO THIS WALL 20'-0" A.F.F.
5. FOR NEW DEVICES MOUNTED TO THIS WALL, RUN SURFACE MOUNTED RACEWAY INSIDE STORAGE ROOM AND PENETRATE AT DEVICE LOCATION. THE INTENT IS TO AVOID INSTALLING SURFACE MOUNTED RACEWAYS ON THE GYM SIDE OF THE WALL.
6. DISCONNECT AND REMOVE THE EXISTING GYMNASIUM SOUND SYSTEM IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED RACEWAYS, WIRING, DEVICES, AND SUPPORT HARDWARE. MAINTAIN THE EXISTING SOUND SYSTEM IN FULL OPERATIONAL CONDITION UNTIL THE NEW SOUND SYSTEM HAS BEEN COMPLETELY INSTALLED, TESTED, AND PLACED INTO SERVICE.

01 BARRERA GYMNASIUM SOUND REINFORCEMENT PLAN

SCALE : 3/32" = 1'-0"





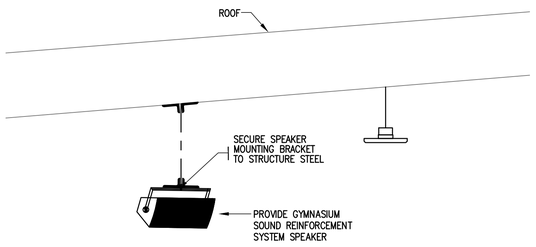
* REFER TO SPECIFICATION FOR PART NUMBERS.

KEYED NOTES:

1. PROVIDE WHEELED CART.
2. PROVIDE SIGNAL PROCESSOR.
3. PROVIDE USER INTERFACE TOUCH PANEL.
4. PROVIDE MICROPHONE WIRELESS TRANSMITTER.
5. PROVIDE ASSISTIVE LISTENING TRANSMITTER.
6. PROVIDE AMPLIFIER.
7. PROVIDE WALL MOUNT RACK.
8. PROVIDE 120V DEDICATED CIRCUIT.
9. PROVIDE SEQUENCER.
10. PROVIDE PRESENTATION CONTROL SYSTEM.

02 GYMNASIUM SOUND SYSTEM RACK RISER DETAIL

SCALE : NOT TO SCALE



03 GYMNASIUM SPEAKER RISER DETAIL

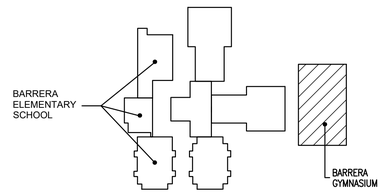
SCALE : NOT TO SCALE

BARRERA GYMNASIUM SOUND SYSTEMS SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
S	SPEAKER – PROVIDE BACK BOX WITH 1" RACEWAY STUBBED INTO ACCESSIBLE CLG. WITH PULL WIRE.	- - - -
M	MICROPHONE OUTLET – PROVIDE BACK BOX WITH 1" RACEWAY STUBBED INTO ACCESSIBLE CLG. WITH PULL WIRE.	AS REQUIRED
A	WIRELESS MICROPHONE ANTENNA.	AS REQUIRED
X	SOUND SYSTEM DIGITAL MEDIA OUTLET (XLR CONNECTOR).	AS REQUIRED
	SOUND SYSTEM WHEELED CART	- - - -
AL	ASSISTIVE LISTENING TRANSMITTER	24"BLC

NOTES:

1.) 18" AFF INDICATES TO TOP OF DEVICE;
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.



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PROFESSIONAL ENGINEER
05.07.2026

SANTA ROSA I.S.D.

FIRE ALARM SYSTEM UPGRADES AT MULTIPLE BUILDINGS

TEXAS

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