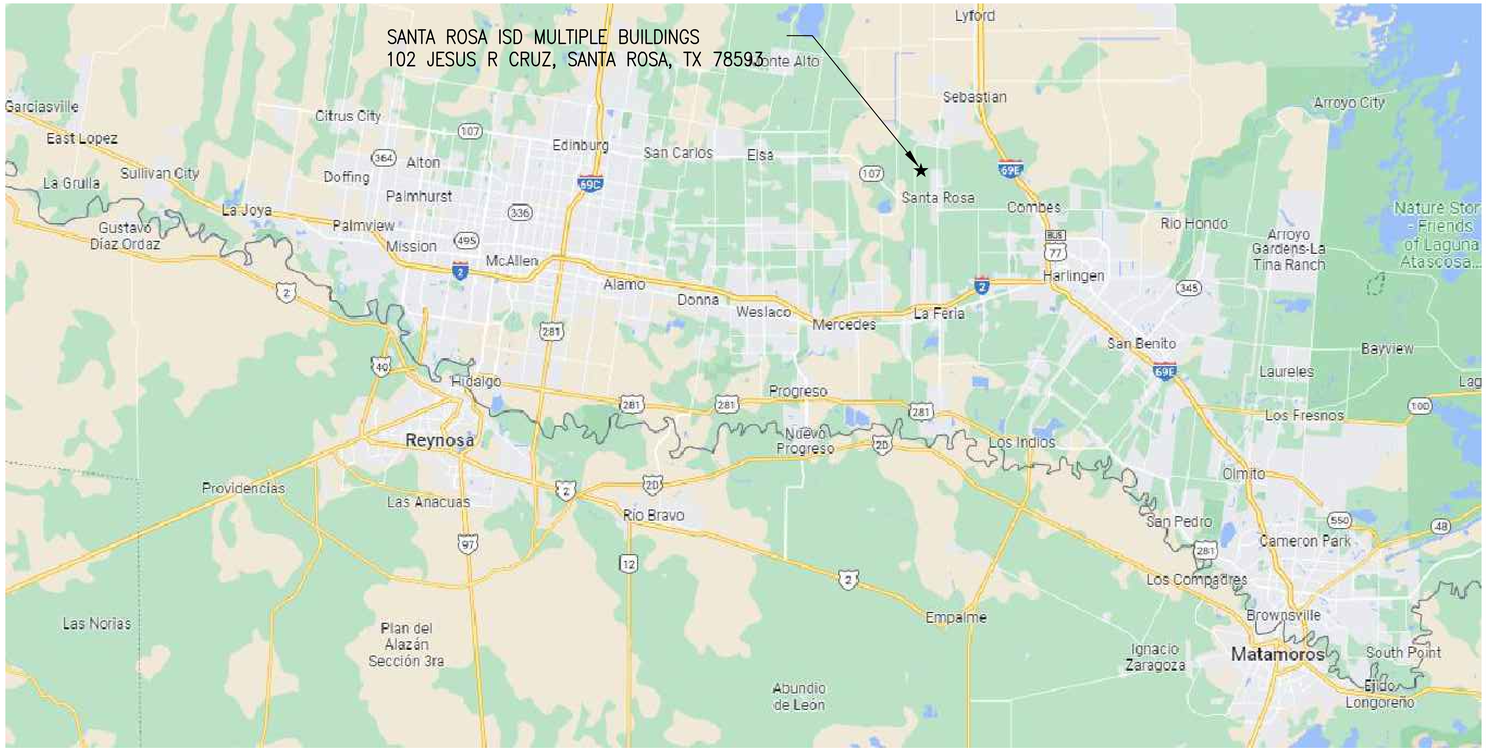
SANTA ROSA I.S.D.

INTERCOM SYSTEM UPGRADES
AT SANTA ROSA HIGH SCHOOL & JO NELSON MIDDLE SCHOOL



VICINITY MAP

NORTH

DATE OF ISSUE

MAY 07, 2026

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SCHOOL BOARD OF TRUSTEES

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SCOPE OF WORK

A. SCOPE OF WORK: "SANTA ROSA ISD – INTERCOM SYSTEM UPGRADES AT SANTA ROSA HIGH SCHOOL AND JO NELSON MIDDLE SCHOOL" CONSISTS OF MULTIPLE EXISTING SINGLE-STORY BUILDINGS AND AN EXISTING TWO-STORY BUILDING, APPROXIMATELY 218,900 SQ. FT.

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

1. EXISTING SCHOOL INTERCOM DEVICES: BEFORE COMMENCING ANY WORK, CONTRACTOR IS REQUIRED TO TEST ALL DEVICES AND DOCUMENT THEIR STATUS (FUNCTIONING AND NON-FUNCTIONING). THE REPAIRS WILL BE HANDLED SEPARATELY BY USING SPARE MATERIALS OR MONIES IN THE BETTERMENT FUND. TESTING AND REPORT ARE REQUIRED TO BE COMPLETED WITHIN THE FIRST 30 DAYS AFTER NOTICE TO PROCEED.
2. PROVIDE A NEW INTERCOM HEAD-END SYSTEM, INCLUDING BUT NOT LIMITED TO HARDWARE, SWITCHES, SOFTWARE, AND PROGRAMMING AS OUTLINED ON PLANS AND SCHOOL INTERCOM SPECIFICATIONS.
3. THE INTENT IS TO PROVIDE A HYBRID INTERCOM SYSTEM. THE NEW NETWORK-BASED HARDWARE SHALL UTILIZE THE DISTRICT'S EXISTING FIBER BACKBONE AND DATA INFRASTRUCTURE AND SHALL INTEGRATE EXISTING TO REMAIN WIRE AND ANALOG FIELD DEVICES.
4. INTERCOM WIRING: IT IS THE INTENT TO REUSE EXISTING WIRING PROVIDED IT IS TESTED, VERIFIED TO BE IN GOOD CONDITION, AND COMPATIBLE WITH THE NEW SYSTEM. WHERE EXISTING WIRING IS DAMAGED, NON-FUNCTIONAL, OR INCOMPATIBLE, NEW WIRING SHALL BE PROVIDED.
5. EXISTING INTERCOM DEVICES: CALL-IN SWITCHES, SPEAKERS, AND OUTDOOR HORNS ARE TO REMAIN UNLESS THEY DO NOT FUNCTION (TECHNOLOGY COMPARABLE) OR ARE NOT IN GOOD CONDITION. IF SO, PROVIDE NEW DEVICES.
6. EXISTING IT DATA FIBER OPTIC CAN BE USED TO COMMUNICATE BETWEEN MDF AND IDF ROOMS AND NEW RACKS. COORDINATE NEW SCHOOL INTERCOM RACKS FIBER CONNECTION WITH SANTA ROSA ISD IT STAFF PRIOR TO COMMENCING WORK.
7. VOICE AND DATA COMMUNICATION CABLING EQUIPMENT: PROVIDE CABLING, CONNECTORS, PATCH PANELS, SWITCHES, RACKS, ETC. TO UTILIZE THE EXISTING SANTA ROSA ISD IT FIBER INFRASTRUCTURE TO INTERCONNECT SCHOOL INTERCOM EQUIPMENT LOCATED AT MDF AND IDF RACKS.
8. HALLWAYS, CAFETERIAS, GYMNASIUMS, AND BUILDING EXTERIOR WALLS WITH INTERCOM SPEAKERS TO BE WIRED/TRANSMIT GENERAL ANNOUNCEMENTS AS SEPARATE ZONES AS PART OF ALL-CALL.
9. VISUAL DISPLAYS: CONTRACTOR TO PROVIDE AND INTERFACE THEM WITH THE NEW SCHOOL INTERCOM SYSTEM. COORDINATE PROGRAMMING WITH EACH CAMPUS END USER.
10. INTERCOM PROGRAMMING: CONTRACTOR TO ENGAGE WITH SCHOOL STAFF TO DEFINE ALL CALL, EMERGENCY ANNOUNCEMENTS, GROUPS OF CLASSROOMS, ETC.
11. CONTRACTOR WOULD BE ALLOWED TO USE EXISTING SCHOOL INTERCOM RACEWAYS, SOME ARE IDENTIFIED ON PLANS, BUT NOT ALL OF THEM. CONTRACTOR WOULD NEED TO CONFIRM ON-SITE PRIOR TO BIDDING.
12. CLASSROOMS WINGS AND PORTABLE BUILDINGS (DETACHED FROM MAIN BUILDING): PROVIDE NEW WIRING AND IF NECESSARY, RACEWAYS SINCE THE NEW INTERCOM ARCHITECTURE WIRING IS USING THE EXISTING FIBER OPTIC CABLE.
13. SCHOOL INTERCOM REMOTE ACCESS: PROVIDE DATA NETWORK AT HEAD-END EQUIPMENT FOR CAMPUS TO RECEIVE MESSAGES (LIVE SPOKEN) VIA ETHERNET FROM SCHOOL PERSONNEL AWAY FROM CAMPUS. PROVIDE ALL NECESSARY HARDWARE AND SOFTWARE REQUIRED. SANTA ROSA ISD IT TO PROVIDE IP ADDRESSES.
14. INTERCOM DEMOLITION: DISCONNECT SCHOOL INTERCOM CONSOLE FOR REPLACEMENT. ALL EXISTING WIRING THAT ARE NOT NEEDED SHALL BE REMOVED AND PROPERLY DISPOSED OF. UNDERGROUND RACEWAYS TO BE ABANDONED IN PLACE.
15. SEQUENCE OF CONSTRUCTION: THE EXISTING INTERCOM SYSTEM SHALL REMAIN IN OPERATION UNTIL THE NEW SYSTEM 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.
16. ELECTRICAL REQUIREMENTS ASSOCIATED WITH WORK OF THIS SECTION. THIS INCLUDES THE FOLLOWING:
    a. POWER SUPPLY WIRING TO HEAD-END EQUIPMENT, FIELD-DEVICES, AND OTHER DEVICES REQUIRING POWER AT 120 VOLTS AND HIGHER.
    b. UL LISTED PLENUM-RATED CABLE MAY BE USED ABOVE CEILINGS. CONTROL WIRING IN EXPOSED LOCATIONS SHALL BE CONCEALED IN EMT CONDUIT.
17. PROVIDE CEILING TILES AS REQUIRED TO MATCH EXISTING CONDITIONS.
18. PLEASE PROVIDE STORAGE UNITS FOR MATERIALS AS REQUIRED AND COORDINATE WITH SCHOOL PERSONNEL.
19. ALLOWANCES: THE OWNER HAS SET ASIDE ALLOWANCES FOR UNFORESEEN CIRCUMSTANCES. SEE SECTION 012100.

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SANTA ROSA I.S.D.
INTERCOM SYSTEM UPGRADES
AT SANTA ROSA HIGH SCHOOL & JO NELSON MIDDLE SCHOOL
SANTA ROSA TEXAS

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DATE: MAY 07, 2026
CHECKED BY: G.Q.
DRAWN BY: T.L.
PROJECT NO.: 25V104
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INTERCOM DEMOLITION GENERAL NOTES:

1. REMOVED EQUIPMENT, DEVICES AND MATERIALS SHALL BELONG TO OWNER. DELIVER THEM TO OWNERS DESIGNATED LOCATION. IF OWNER DOES NOT WANT THE REMOVED ITEMS, THEN REMOVE THEM FROM SITE & PROPERLY DISPOSE OF THEM.
2. 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 THE ENGINEER SHALL BE CONTACTED.THE ENGINEER WILL PROVIDE INSTRUCTIONS ON HOW TO PROCEED.
3. IT IS THE INTENT TO REUSE EXISTING INTERCOM WIRING PROVIDED IT IS TESTED, VERIFIED TO BE IN GOOD CONDITION, AND COMPATIBLE WITH THE NEW SYSTEM. WHERE EXISTING WIRING IS DAMAGED, NON-FUNCTIONAL, OR INCOMPATIBLE, NEW WIRING SHALL BE PROVIDED.
4. EXISTING RACEWAYS INTERCONNECTING BUILDINGS MAY BE REUSED. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING RACEWAYS.IF NECESSARY CONTRACTOR TO PROVIDE NEW RACEWAYS.
5. PROVIDE BLANK WALL PLATES FOR EXISTING J-BOXES NO LONGER REQUIRED. PROVIDE COLOR FINISH TO MATCH EXISTING.
6. TEMPORARILY REMOVE EXISTING CEILING TILES FOR DEMOLITION AND INSTALLATION OF NEW WIRING. REINSTALL EXISTING CEILING TILES AFTER WORK ABOVE THE CEILING HAS BEEN COMPLETED. REPLACE CEILING TILES DAMAGED DURING REMOVAL IF NECESSARY TO MATCH EXISTING.
7. FIELD TEST ALL INTERCOM DEVICES. THOSE DEVICES IN PROPER WORKING ORDER WILL REMAIN. DEVICES NOT PROPERLY WORKING SHALL BE REMOVED AND REPLACED.
8. WHERE AN EXISTING DEVICE IS LOCATED ON A EXISTING ACOUSTICAL CEILING TILE; THE CEILING TILE SHALL BE REMOVED AND PROVIDED NEW TO MATCH EXISTING.

CEILING DEMO GENERAL NOTES:

1. PRIOR TO REMOVAL OF CEILINGS REQUIRED FOR NEW ELECTRICAL AND INTERCOM 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 PRIOR TO REMOVAL AND DOCUMENT ALL BROKEN, CRACKED, MISSING TILES, ETC. AND PROVIDE REPORT TO OWNER AND ENGINEER.
3. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THEIR OWN ROUTES FROM POWER SOURCE AND OR HEAD-END TO EQUIPMENT.

ELECTRICAL GENERAL NOTES:

1. PERFORM ALL WORK PER ADOPTED N.E.C. AND APPLICABLE STATE STANDARDS, UNLESS DRAWINGS OR SPECIFICATIONS HAVE MORE STRINGENT REQUIREMENTS.
2. 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.
3. 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.
4. HAND-WRITTEN CIRCUIT BREAKER DIRECTORIES WILL NOT BE ACCEPTED. DIRECTORIES MUST BE COMPUTER GENERATED AND PRINTED TO REFLECT FINAL INSTALLED CONDITIONS.
5. MARK ALL J-BOXES WITH INDELIBLE INK, INDICATING POWER CIRCUITRY INFORMATION. LABEL ALL EQUIPMENT ITEMS PER SPECIFICATIONS.
6. ALL EXTERIOR RACEWAYS ABOVE GROUND SHALL BE RIGID GALVANIZED.
7. USE LONG-SWEEPS FOR ALL CHANGES IN DIRECTION ON CONDUIT RUNS.
8. ALL INTERIOR RACEWAYS SHALL BE EMT.
9. FIELD VERIFY PROJECT SITE EXISTING CONDITIONS AND ELEVATIONS PRIOR TO BEGINNING ANY WORK.
10. PHASING AND SEQUENCE OF CONSTRUCTION SHALL BE PER DRAWINGS AND SPECIFICATIONS.
11. 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.
12. ELECTRICAL WIRING SHALL NOT BE SPLICED BELOW GRADE.
13. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH PROJECT, INCLUDING FEES FOR INSPECTIONS, APPLICATIONS, AND PROVISION OF NEW SERVICES.
14. COORDINATE ALL WORK WITH OTHER TRADES; COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.
15. 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.
16. 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.
17. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCE AROUND ALL EQUIPMENT.
18. AFFIX ID TAGS TO ALL DIVISION 26 EQUIPMENT.
19. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH INTERCOM CONTRACTOR REGARDING EQUIPMENT SIZES AND TYPES OF ELECTRICAL INTERFACE EQUIPMENT REQUIRED.
20. FIELD VERIFY ALL CONDITIONS AND MEASURE DIMENSIONS WITHIN THE BUILDING PRIOR TO ORDERING EQUIPMENT AND/OR PROCEEDING WITH INSTALLATION.
21. 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.
22. EQUIPMENT FOUND DEFECTIVE PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED AT NO COST TO OWNER.
23. SLEEVE ALL EXTERIOR WALL PENETRATIONS.

INTERCOM GENERAL NOTES:

1. COORDINATE WORK AMONG ALL DISCIPLINES. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE (PRIME) CONTRACTOR.
2. FIELD VERIFY ALL CONDITIONS AND MEASURE DIMENSIONS WITHIN THE BUILDING(S) PRIOR TO ORDERING EQUIPMENT AND/OR PROCEEDING WITH INSTALLATION.
3. 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.
4. EQUIPMENT FOUND DEFECTIVE PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED AT NO COST TO OWNER.
5. WORK TO BE DONE UNDER ALLOWANCES BECOMES AN INTEGRAL PART OF THE PROJECT AND RESPONSIBILITY OF CONTRACTOR ONCE ALLOWANCE IS APPROVED.
6. SLEEVE ALL EXTERIOR WALL PENETRATIONS.
7. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S APPROVAL IN WRITING. UNLESS ENGINEER HAS AGREED TO SUCH CHANGE PRIOR TO IT BEING DONE, AND HAS AGREED THAT AN INCREASE IN COST ASSOCIATED WITH SUCH CHANGE IS WARRANTED; CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH CHANGE.
8. ALL PERSONNEL CONDUCTING INTERCOM WORK SHALL BE REGISTERED WITH THE STATE OF TEXAS.
9. ABOVE CEILING: ALL INTERIOR RACEWAYS SHALL BE E.M.T. AND STEEL FITTINGS. BELOW CEILING WIREMOLD RACEWAYS.
10. EXISTING RACEWAYS AND BACK BOXES MAY BE USED. REPAIR AS REQUIRED.
11. PROVIDE J-BOXES AS REQUIRED FOR PULL WIRING.
12. FIELD COORDINATE PRIOR TO BIDDING TO ASSESS EXISTING CONDITIONS.
13. IF THE MOUNTING HEIGHT OF EXISTING ROUGH-INS COMPLY WITH T.D.L.R. & A.D.A. REQUIREMENTS, THEY CAN 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.
14. ADJUST LOCATION OF NEW DEVICES IF NECESSARY DUE TO EXISTING CONDITIONS.
15. 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.
16. BELOW CEILING – METAL STUDS WALLS (ACCESSIBLE WALL CAVITY): WHEN THIS CONDITION EXISTS, ALL WIRING SHALL BE CONCEALED INSIDE THE WALL CAVITY WITHOUT RACEWAY.
17. 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.
18. NEW EXPOSED RACEWAYS AND MOUNTING HARDWARE IN FINISHED AREAS TO BE PAINTED BY THE CONTRACTOR.
19. CONTRACTOR SHALL ENSURE INSTALLATION COMPLIES WITH BICSI STRUCTURED CABLING STANDARDS AND ENSURE CABLING DOES NOT EXCEED 100 METERS (328 FEET) PER ETHERNET CHANNEL.
20. 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 THE BID PROPOSAL.
    A. INTERCOM BUTTON: (20 PER CAMPUS) OF EACH TYPE INSTALLED.
    B. INTERCOM INDOOR SPEAKER(S): (20 PER CAMPUS) OF EACH TYPE INSTALLED.
    C. INTERCOM OUTDOOR SPEAKER(S): (5 PER CAMPUS) OF EACH TYPE INSTALLED.
    D. INTERCOM ADMINISTRATION CONTROL STATION HANDSET: (2 TOTAL)
    E. PLENUM RATED CABLING: 2,000 FT TOTAL
    F. PVC, EMT & RMC RACEWAYS: 500 FT OF 1" OF EACH TYPE TOTAL INCLUDING TRENCHING, HANGERS, ETC.
    G. EXISTING CISCO PHONES: INTEGRATE 20 TO NEW SCHOOL INTERCOM SYSTEM.
21. DESIGNATED MIXED-USE AREAS (HIGH SCHOOL AND MIDDLE SCHOOL) REQUIRING TWO-WAY COMMUNICATION SHALL BE EQUIPPED WITH DEDICATED INTERCOM BUTTON/SPEAKER UNITS. INTERCOM BUTTONS IN THESE AREAS SHALL BE LABELED ACCORDINGLY.

CODES AND ORDINANCES:

1. PERFORM ALL WORK PER LATEST VERSION OF NATIONAL ELECTRICAL CODE, NFPA AND APPLICABLE LOCAL CODES AND ORDINANCES, UNLESS DRAWINGS OR SPECIFICATIONS HAVE MORE STRINGENT REQUIREMENTS.
2. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH PROJECT, INCLUDING FEES FOR INSPECTIONS, APPLICATIONS, AND PROVISION OF NEW SERVICES.
3. CONTRACTOR WHO WILL ACTUALLY PERFORM WORK MUST APPLY FOR ALL REQUIRED PERMITS.
4. NOTIFY ENGINEER OF ANY ASPECTS OF DESIGN WHICH ARE THOUGHT TO BE IN NONCOMPLIANCE WITH APPLICABLE CODES.

COORDINATION:

1. COORDINATE ALL WORK WITH OTHER TRADES; COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.
2. TIME OR MONEY ALLOWANCES WILL NOT BE MADE TO ACCOMMODATE CONFLICTS THAT CAN BE REASONABLY RESOLVED BY COORDINATION DURING SHOP DRAWING STAGE.
3. 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.
4. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCE AROUND ALL EQUIPMENT.
5. ALL WORK THAT COULD DISRUPT SCHOOL INSTRUCTION SHALL BE SCHEDULED FOR AFTER SCHOOL OR DURING HOLIDAY HOURS. COORDINATE SCHEDULING WITH SCHOOL PRINCIPAL.

ABBREVIATIONS:

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

GENERAL SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
— — —	UNDERGROUND RACEWAY	AS REQUIRED
————	CONCEALED RACEWAY	AS REQUIRED

INTERCOM SYSTEMS SYMBOL LEGEND:

SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
PBX E	EXISTING INTERCOM ADMINISTRATION CONTROL STATION HANDSET. EXISTING TO BE REMOVED AND REPLACED	– – – –
□ E MDF E	EQUIPMENT RACKS, EXISTING MDF / IDF RACK.	– – – –
□ N	EQUIPMENT RACKS, PROVIDE NEW NETWORKING RACK.	– – – –
IC E	EXISTING INTERCOM BUTTON. IF DEVICE IS IN NONFUNCTIONAL CONDITION REMOVE AND REPLACE DEVICE AND WIRING AND INTEGRATE INTO NEW INTERCOM SYSTEM. TELECOR #CS-1PT	48"AFF
IC R	REPLACE EXISTING INTERCOM BUTTON. PROVIDE BACK BOX WITH 1/2"C AND INTEGRATE INTO NEW INTERCOM SYSTEM VIA NEW WIRING. TELECOR #CS-1PT	48"AFF
IC N	NEW INTERCOM BUTTON. PROVIDE BACK BOX WITH 1/2"C AND INTEGRATE INTO NEW INTERCOM SYSTEM VIA NEW WIRING. TELECOR #CS-1PT	48"AFF
S E	EXISTING INTERCOM INDOOR ROUND 8". IF DEVICE IS IN NONFUNCTIONAL CONDITION REMOVE AND REPLACE DEVICE AND WIRING AND INTEGRATE INTO NEW INTERCOM SYSTEM. TELECOR #STB-10.	CLG.
S N	NEW INTERCOM INDOOR ROUND 8" SPEAKER. INTEGRATE INTO NEW INTERCOM SYSTEM VIA NEW WIRING. TELECOR #STB-10.	CLG.
S E	EXISTING INTERCOM LAY-IN INDOOR SPEAKER. IF DEVICE IS IN NONFUNCTIONAL CONDITION REMOVE AND REPLACE DEVICE AND WIRING AND INTEGRATE INTO NEW INTERCOM SYSTEM. TELECOR #STB-12.	CLG.
S N	PROVIDE NEW INTERCOM INDOOR LAY-IN SPEAKER. INTEGRATE INTO NEW INTERCOM SYSTEM VIA NEW WIRING. TELECOR #STB-12.	CLG.
V E	EXISTING INTERCOM SPEAKER CLOCK COMBO. IF DEVICE IS IN NONFUNCTIONAL CONDITION REMOVE AND REPLACE DEVICE AND WIRING AND INTEGRATE INTO NEW INTERCOM SYSTEM. TELECOR #2421 AND #STB-10	– – – –
S E	EXISTING INTERCOM INDOOR WALL MOUNTED SPEAKER. REFER TO PLAN SHEET FOR INSTRUCTIONS ON WHETHER DEVICE IS TO BE REPLACED OR IS TO REMAIN – TELECOR #VFT-SERIES AND ADAPTER RING	– – – –
S R	REPLACE EXISTING INTERCOM INDOOR WALL MOUNTED SPEAKER – PROVIDE BACKBOX WITH 1/2"C AND PROVIDE NEW INCLUDING WIRING– TELECOR #VFT-SERIES	– – – –
S N	NEW INTERCOM INDOOR WALL MOUNTED SPEAKER – PROVIDE BACKBOX WITH 1/2"C AND PROVIDE NEW INCLUDING WIRING– TELECOR #VFT-SERIES	– – – –
S NWG N	NEW INTERCOM OUTDOOR HORN WEATHER PROOF – PROVIDE BACKBOX WITH 1/2"C AND PROVIDE NEW INCLUDING WIRING AND WIRE GUARD – TELECOR #VT-SERIES/TELECOR #A-15T	– – – –
S NWP E	EXISTING INTERCOM OUTDOOR HORN WEATHER PROOF. IF DEVICE IS IN NONFUNCTIONAL CONDITION REMOVE AND REPLACE DEVICE AND WIRING AND INTEGRATE INTO NEW INTERCOM SYSTEM. – TELECOR #VT-SERIES/TELECOR #A-15T	– – – –
S NWP R	REPLACE INTERCOM OUTDOOR HORN WEATHER PROOF – PROVIDE BACKBOX WITH 1/2"C AND PROVIDE NEW INCLUDING WIRING. – TELECOR #VT-SERIES/TELECOR #A-15T	– – – –
S NWP N	NEW INTERCOM OUTDOOR HORN WEATHER PROOF – PROVIDE BACKBOX WITH 1/2"C AND PROVIDE NEW INCLUDING WIRING. – TELECOR #VT-SERIES/TELECOR #A-15T	– – – –
C E	EXISTING CLOCK DISPLAY. IF DEVICE IS IN NONFUNCTIONAL CONDITION REMOVE AND REPLACE DEVICE AND WIRING AND INTEGRATE INTO NEW INTERCOM SYSTEM. TELECOR #2421	– – – –
C N	NEW INTERCOM CLOCK DISPLAY. PROVIDE BACK BOX WITH 1/2" C INCLUDING CABLING – TELECOR #2421	– – – –
C 2	EXISTING INTERCOM DOUBLE SIDED CLOCK DISPLAY. IF DEVICE IS IN NONFUNCTIONAL CONDITION REMOVE AND REPLACE DEVICE AND WIRING AND INTEGRATE INTO NEW INTERCOM SYSTEM. TELECOR #2421 WITH DUAL MOUNTING KIT	8'-6"

NOTES:

1.) 48" AFF INDICATES TO TOP OF DEVICE;
EXISTING OUTDOOR HORNS TO BE REPLACED SHALL BE RELOCATED AT MAXIMUM HEIGHT POSSIBLE.
NEW OUTDOOR HORNS SHALL BE LOCATED AT MAXIMUM HEIGHT POSSIBLE.

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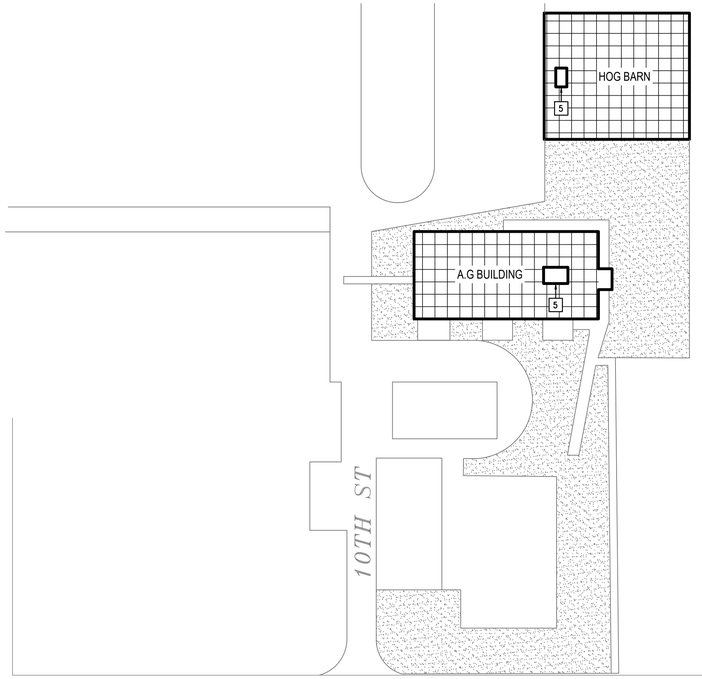
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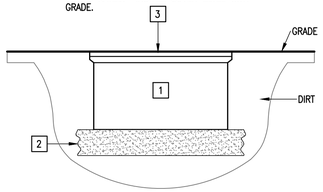
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PROJECT NO.: 25V104
CAD FILE: -
SHEET: E1.1



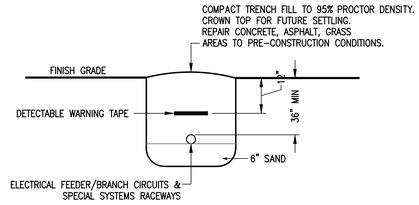
KEYED NOTES:

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

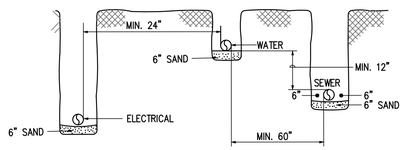
SCALE :NONE

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.

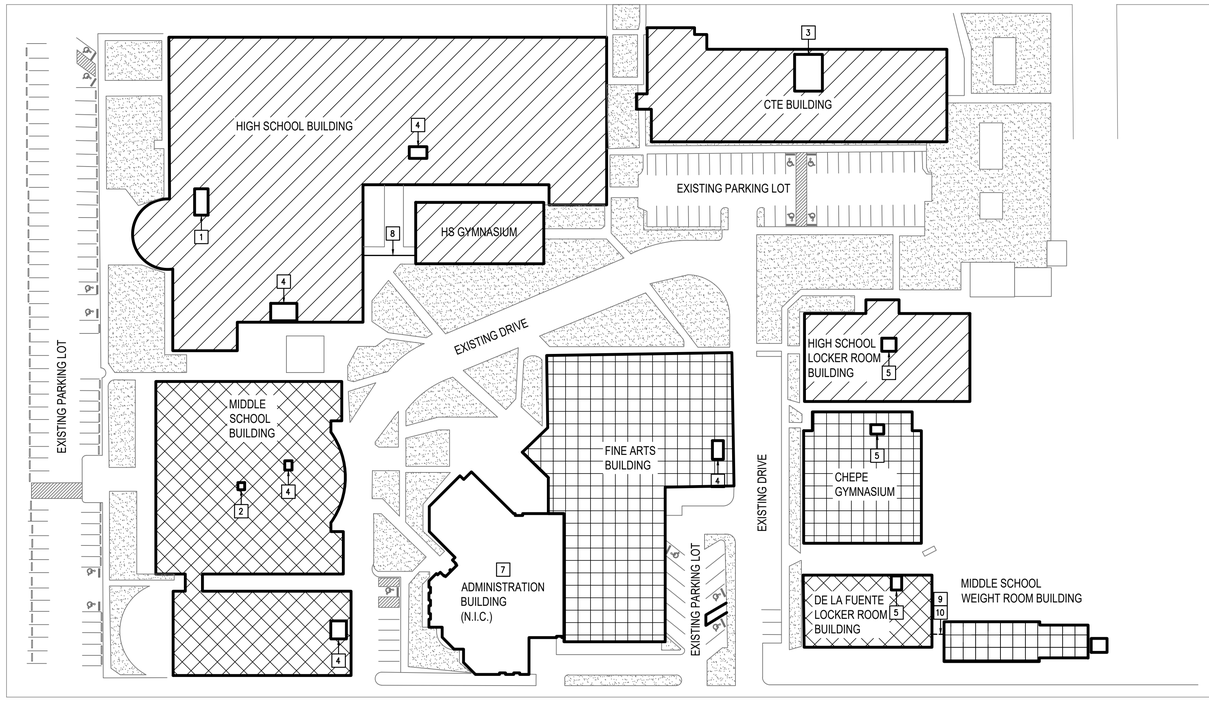
MAINTAIN A MINIMUM OF 24" HORIZONTALLY BETWEEN ELECTRICAL AND SEWER. MAINTAIN A MINIMUM OF 12" VERTICALLY OR 24" HORIZONTALLY BETWEEN ELECTRICAL AND WATER LINES, GAS LINES, TELEPHONE RACEWAYS AND CABLE RACEWAYS.



04 TRENCHING DETAIL

SCALE :NONE

JESUS R CRUZ



JESUS TAVILA

KEYED NOTES:

1. APPROXIMATE LOCATION OF EXISTING INTERCOM HEAD-END "TELECOR"
2. APPROXIMATE LOCATION OF EXISTING INTERCOM HEAD-END VALCOM CLASS CONNECTION.
3. APPROXIMATE LOCATION OF EXISTING MDF.
4. APPROXIMATE LOCATION OF EXISTING IDF.
5. APPROXIMATE LOCATION OF EXISTING WALL RACK.
6. PROPOSED LOCATION OF NEW WALL RACK.
7. DO NOT RUN ANY WIRING INSIDE OF THIS BUILDING.
8. PROVIDE 1" RACEWAY ABOVE CANOPY
9. PROVIDE 1" RACEWAY UNDERGROUND FOR NEW WIRING.
10. PRIOR TO TRENCHING CONTRACTOR IS REQUIRED TO INVESTIGATE AND LOCATE UNDERGROUND UTILITY LINES.

01 SANTA ROSA CAMPUS INTERCOM SITE PLAN

SCALE: 1" = 60'

TRUE NORTH

COLOR CODE HATCH LEGEND	
	HIGH SCHOOL
	MIDDLE SCHOOL SCHOOL
	MIXED USED

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05.07.2026

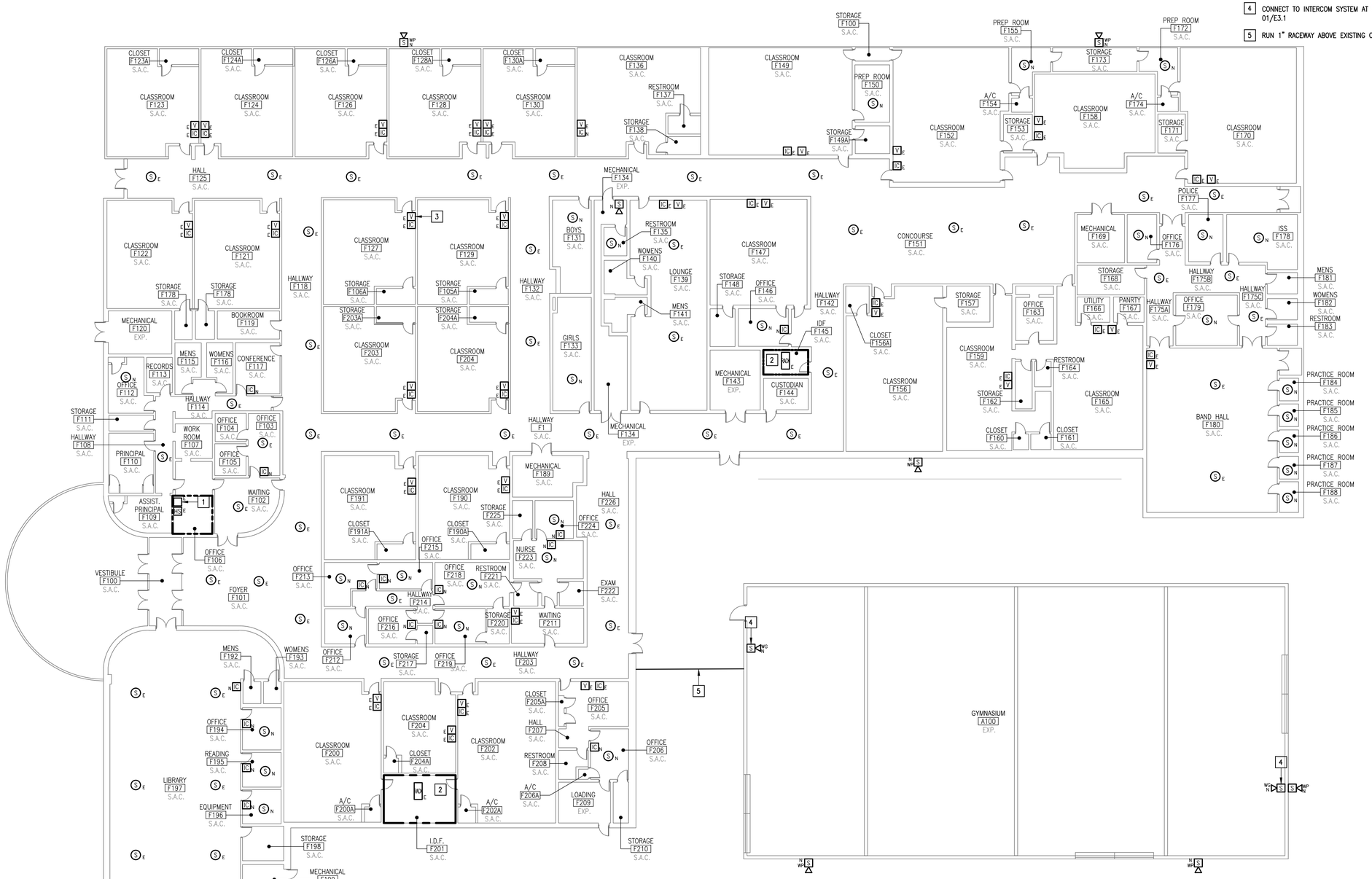
SANTA ROSA I.S.D.
INTERCOM SYSTEM UPGRADES
AT SANTA ROSA HIGH SCHOOL & JO NELSON MIDDLE SCHOOL
SANTA ROSA TEXAS

ethos engineering
1126 SOUTH COMMERCE ST.
HARLINGEN, TX
PHONE: 956-230-3435
TEXAS REGISTERED
ENGINEERING FIRM
F-15998

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DRAWN BY:	T.L.
PROJECT NO.:	25V104
CAD FILE:	-
SHEET:	E2.1

KEYED NOTES:

1. REMOVE EXISTING TELECOR HEAD-END EQUIPMENT AND PROVIDE NEW TELECOR HEAD-END EQUIPMENT.
2. EXISTING SCHOOL NETWORK ROOM LOCATION.
3. IF EXISTING SPEAKER/CLOCK NEEDS REPLACEMENT LAYOUT LIKE CLASSROOMS F105 IN FINE ARTS AND CAFETERIA BUILDING SEE SHEET E3.7
4. CONNECT TO INTERCOM SYSTEM AT SANTA ROSA HIGH SCHOOL SEE SHEET 01/E3.1
5. RUN 1" RACEWAY ABOVE EXISTING CANOPY

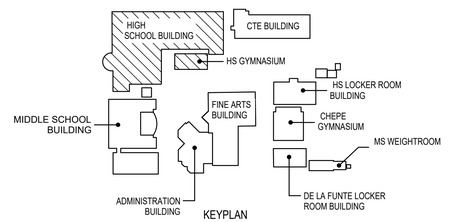


01 HIGH SCHOOL INTERCOM PLAN
SCALE : 1/16" = 1'-0"

TRUE NORTH

02 HIGH SCHOOL GYMNASIUM INTERCOM PLAN
SCALE : 3/32" = 1'-0"

TRUE NORTH



KEYPLAN

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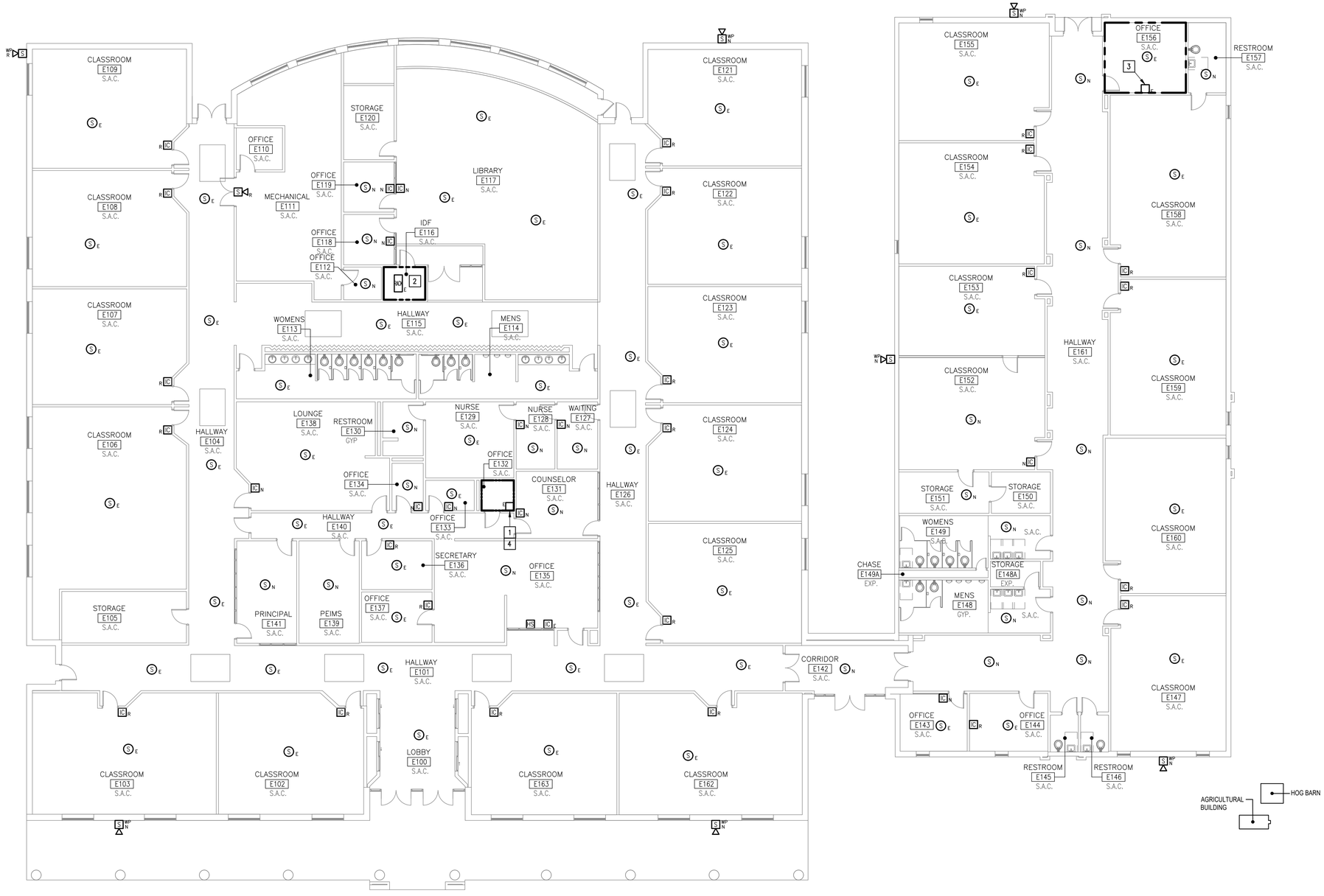
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PROJECT NO.:	25V104
CAD FILE:	-
SHEET:	E3.1

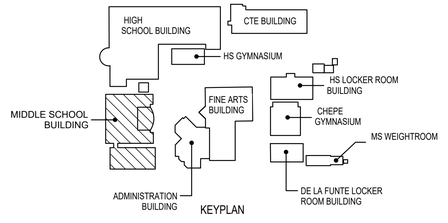
KEYED NOTES:

1. REMOVE EXISTING HEAD-END EQUIPMENT AND INTEGRATE INTO NEW SYSTEM.
2. EXISTING SCHOOL NETWORK ROOM LOCATION.
3. EXISTING WALL RACK.
4. PROVIDE NEW WALL RACK.



JO NELSON MIDDLE SCHOOL
01 INTERCOM PLAN

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



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SANTA ROSA TEXAS

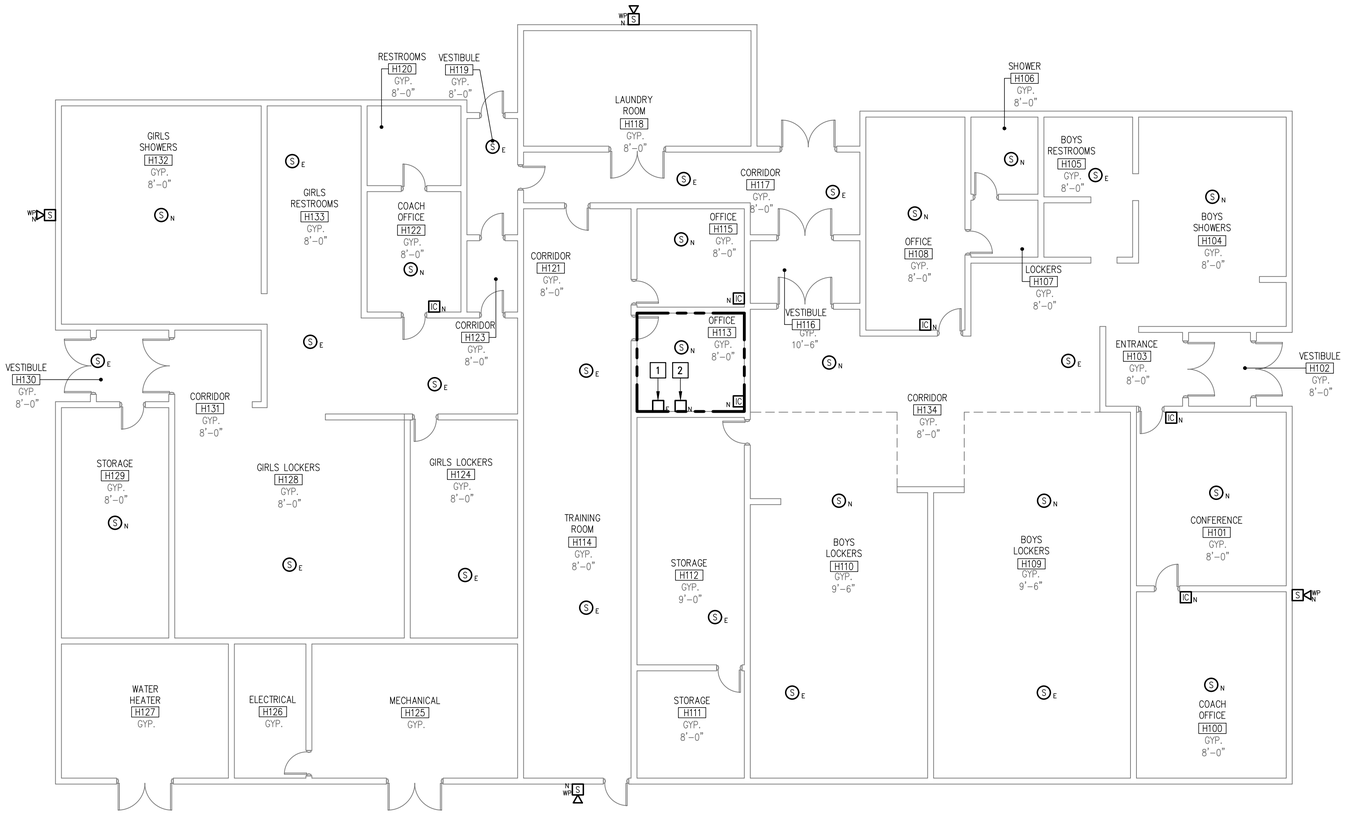
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DATE: MAY 07, 2026
CHECKED BY: G.Q.
DRAWN BY: T.L.
PROJECT NO.: 25V104
CAD FILE: -
SHEET: E3.2

KEYED NOTES:

1 EXISTING WALL RACK.

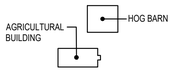
2 PROVIDE NEW WALL RACK.

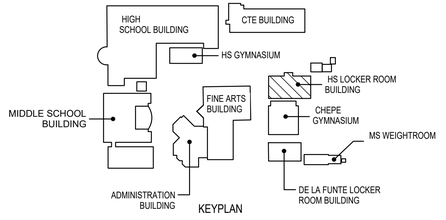


01 HIGH SCHOOL LOCKER ROOM INTERCOM PLAN

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

TRUE NORTH





KEYPLAN

NO: REVISION: BY:

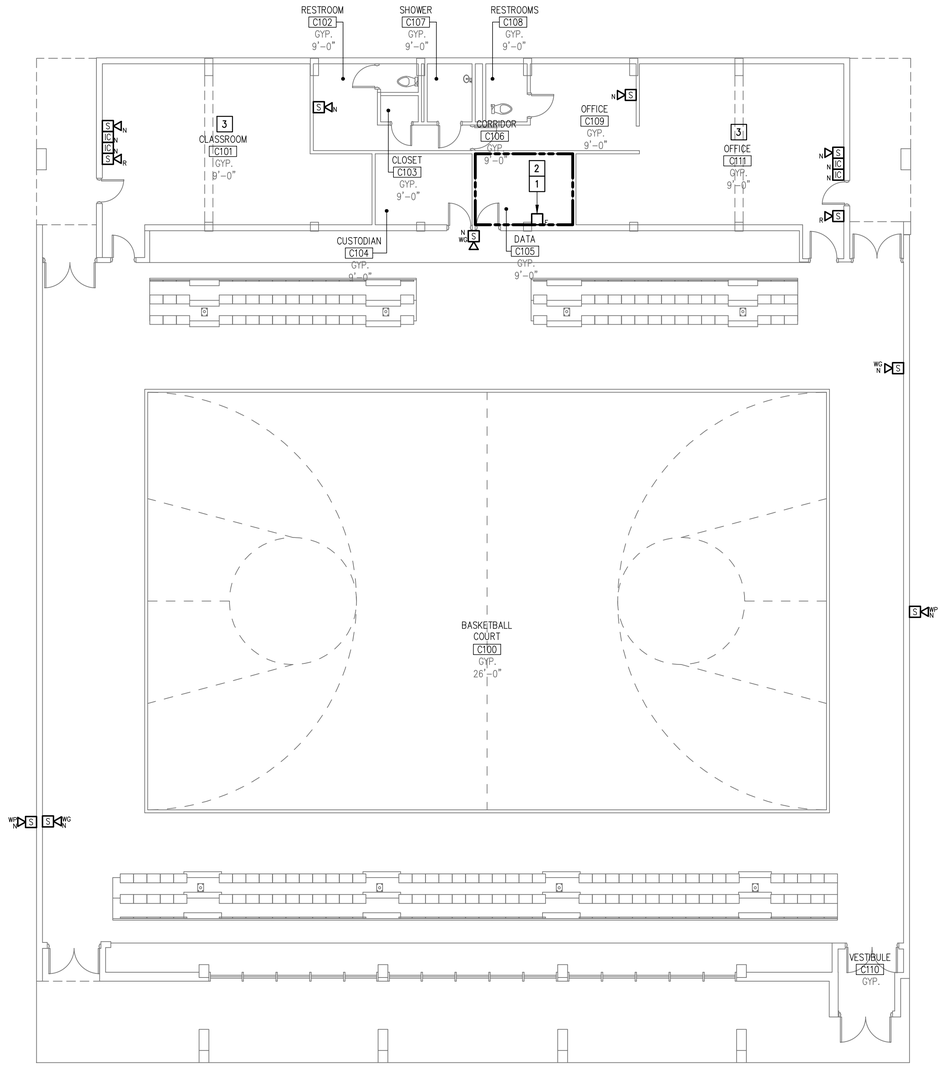
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DATE: MAY 07, 2026
CHECKED BY: G.Q.
DRAWN BY: T.L.
PROJECT NO.: 25V104
CAD FILE: -
SHEET: E3.3



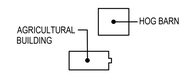
CHEPE GYMNASIUM
01 INTERCOM PLAN

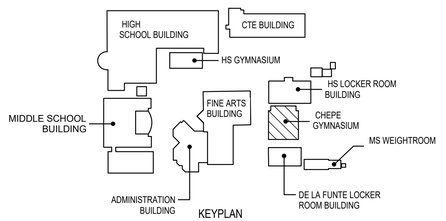
SCALE : 1/8" = 1'-0"

TRUE NORTH

KEYED NOTES:

1. EXISTING WALL RACK.
2. PROVIDE NEW WALL RACK.
3. PROVIDE DEDICATED INTERCOM BUTTON/SPEAKER UNITS IN THIS ROOM FOR TWO-WAY COMMUNICATION WITH THE HIGH SCHOOL AND MIDDLE SCHOOL. LABEL INTERCOM BUTTONS ACCORDINGLY.





KEYPLAN

NO:	REVISION:	BY:

COPY NO:

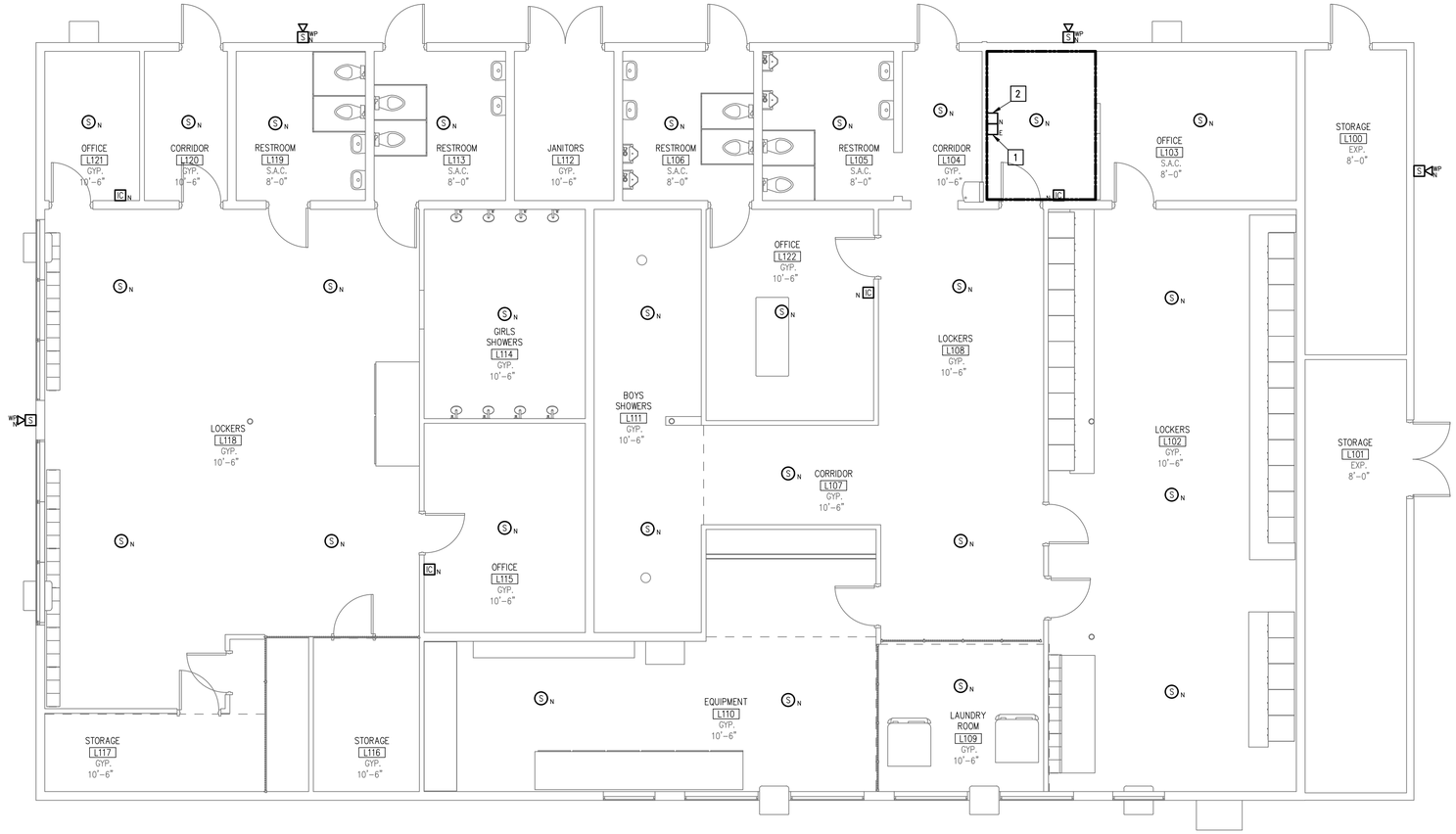
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CAD FILE:	-

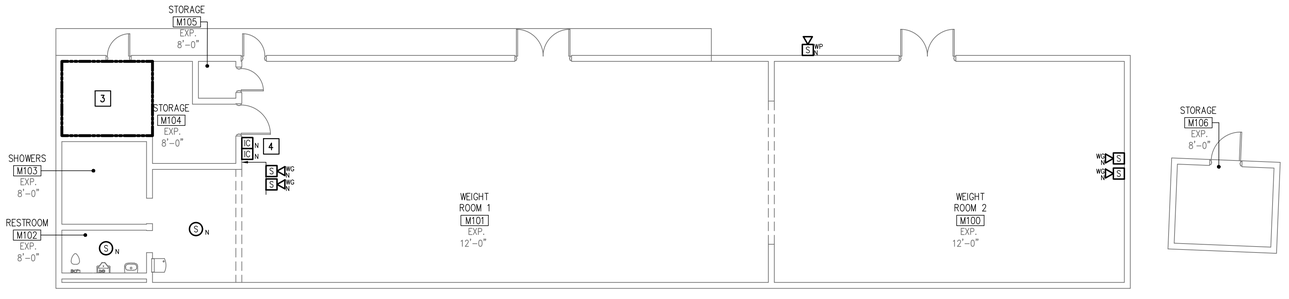
SHEET:
E3.4



01 DE LA FUENTE LOCKER ROOM INTERCOM PLAN

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

TRUE NORTH



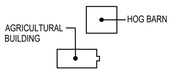
02 MIDDLE SCHOOL WEIGHT ROOM INTERCOM PLAN

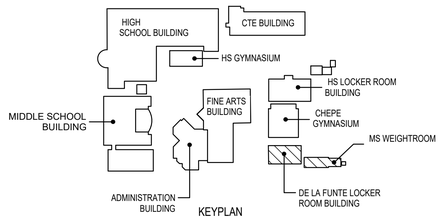
SCALE : 3/16" = 1'-0"

TRUE NORTH

KEYED NOTES:

1. EXISTING WALL RACK.
2. PROVIDE NEW WALL RACK.
3. CONNECT TO DE LA FUENTE LOCKER ROOM SEE SHEET 01/E3.5
4. PROVIDE DEDICATED INTERCOM BUTTON/SPEAKER UNITS IN THIS ROOM FOR TWO-WAY COMMUNICATION WITH THE HIGH SCHOOL AND MIDDLE SCHOOL. LABEL INTERCOM BUTTONS ACCORDINGLY.





KEYPLAN

NO:	REVISION:	BY:

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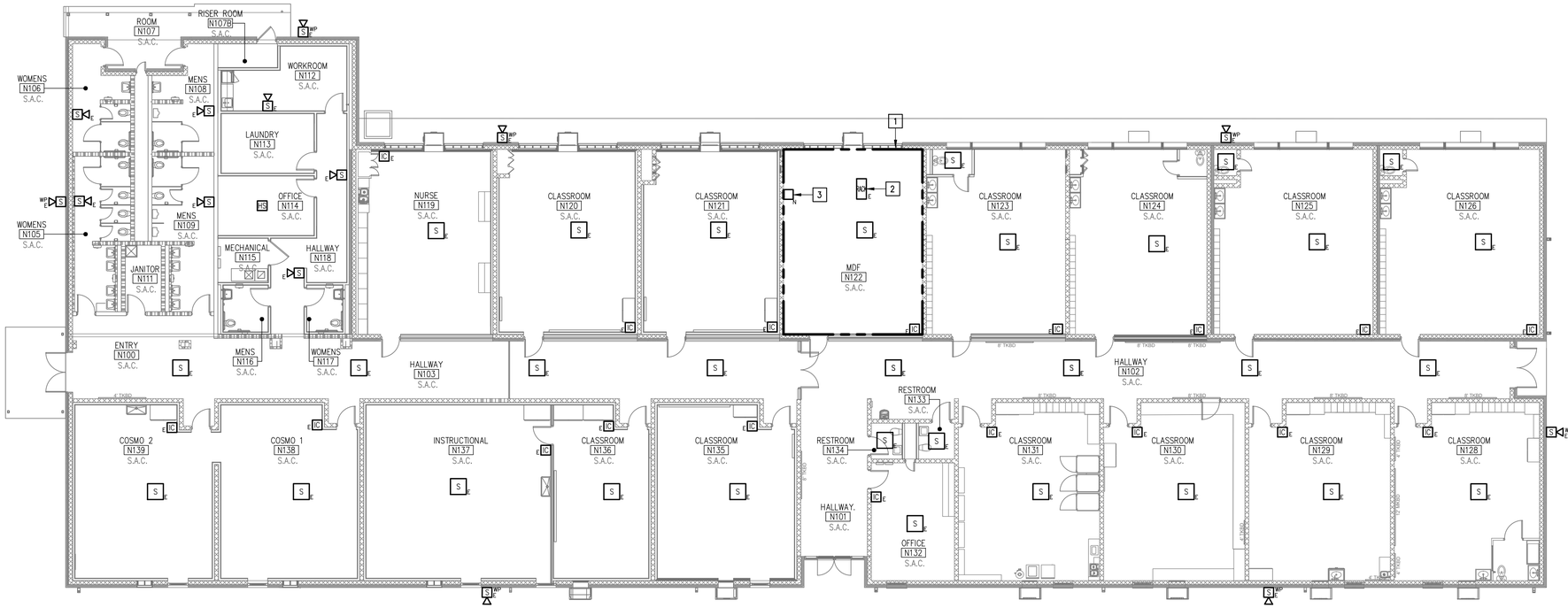
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DRAWN BY:	T.L.
PROJECT NO.:	25V104
CAD FILE:	-
SHEET:	E3.5

KEYED NOTES:

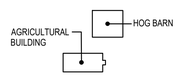
1. EXISTING MDF ROOM.
2. EXISTING NETWORK RACK.
3. PROVIDE NEW WALL RACK.

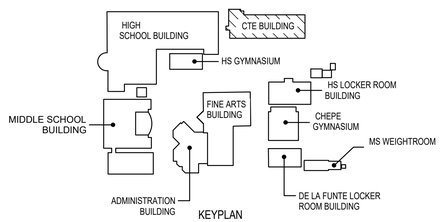


01 CTE BUILDING INTERCOM PLAN

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

TRUE NORTH





KEYPLAN

NO:	REVISION:	BY:

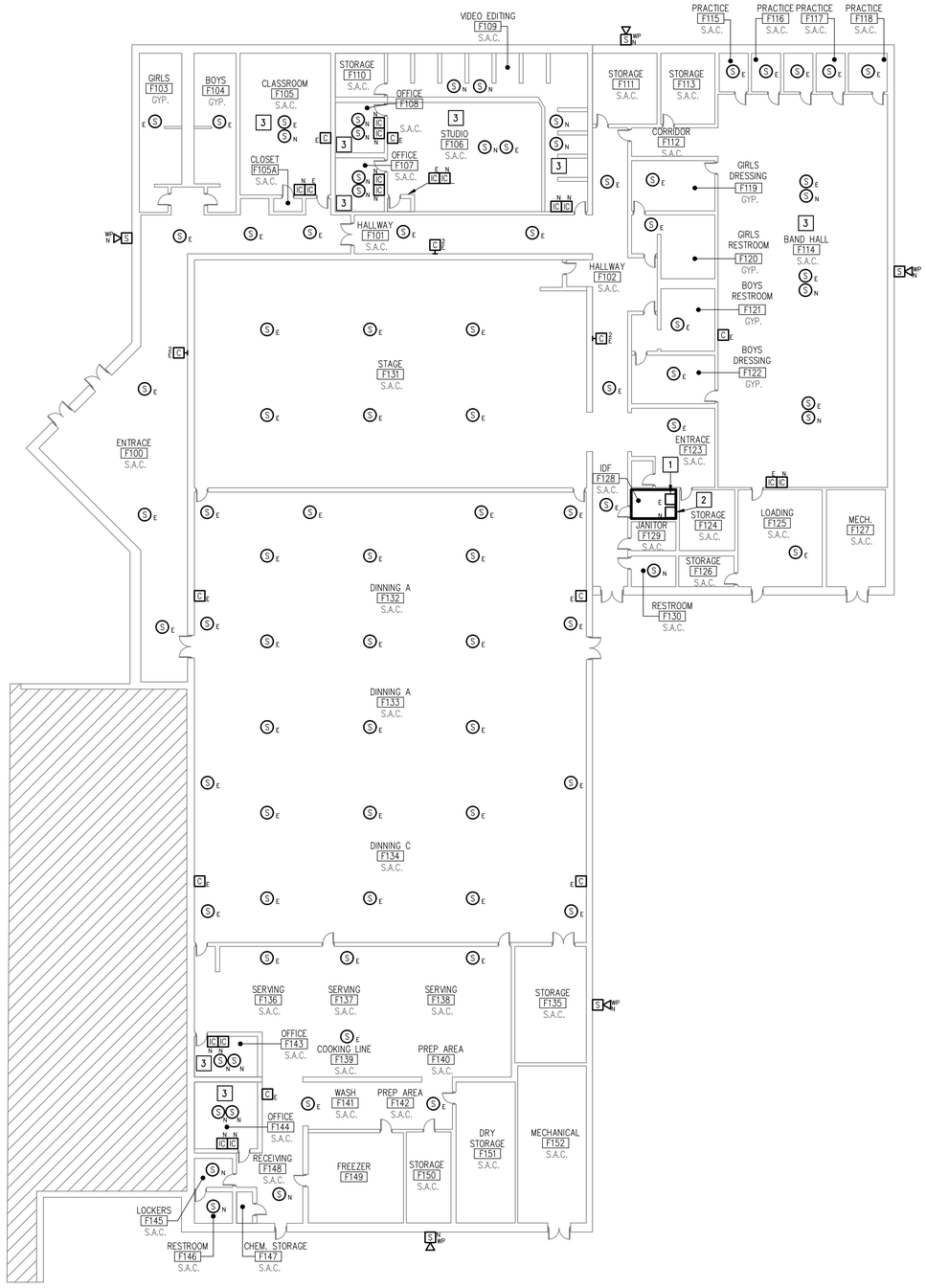
COPY NO:



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DRAWN BY:	T.L.
PROJECT NO.:	25V104
CAD FILE:	-
SHEET:	E3.6



01 FINE ARTS AND CAFETERIA BUILDING INTERCOM PLAN

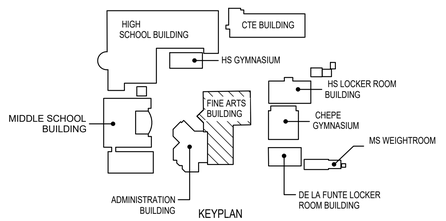
SCALE : 1/16" = 1'-0"

TRUE NORTH

KEYED NOTES:

1. EXISTING WALL RACK.
2. PROVIDE NEW WALL RACK.
3. PROVIDE DEDICATED INTERCOM BUTTON/SPEAKER UNITS IN THIS ROOM FOR TWO-WAY COMMUNICATION WITH THE HIGH SCHOOL AND MIDDLE SCHOOL. LABEL INTERCOM BUTTONS ACCORDINGLY.





KEYPLAN

NO:	REVISION:	BY:

COPY NO:



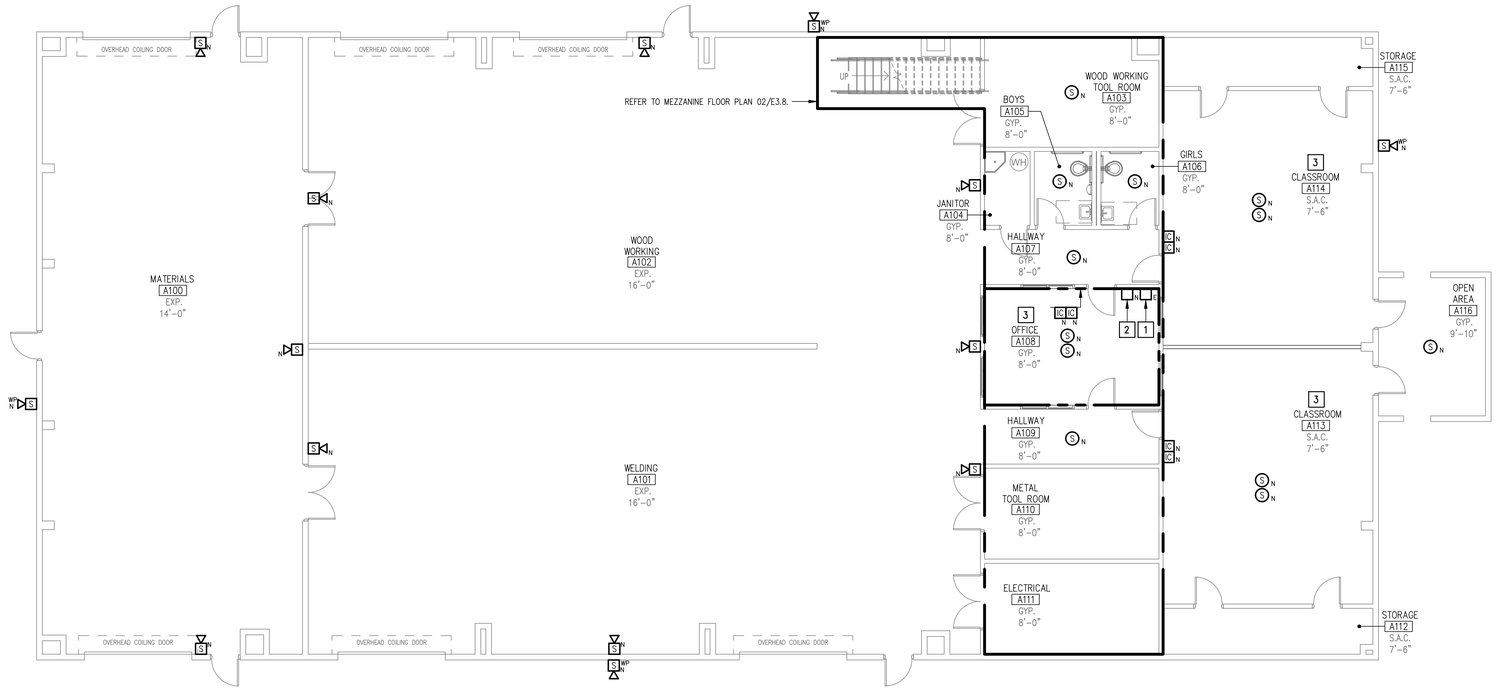
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DRAWN BY:	T.L.
PROJECT NO.:	25V104
CAD FILE:	-
SHEET:	E3.7

KEYED NOTES:

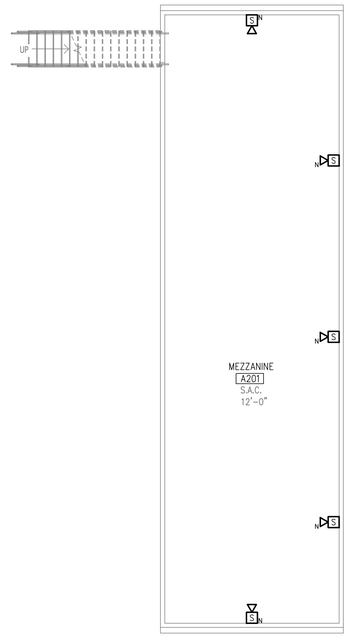
1. EXISTING WALL RACK.
2. PROVIDE NEW WALL RACK.
3. PROVIDE DEDICATED INTERCOM BUTTON/SPEAKER UNITS IN THIS ROOM FOR TWO-WAY COMMUNICATION WITH THE HIGH SCHOOL AND MIDDLE SCHOOL. LABEL INTERCOM BUTTONS ACCORDINGLY.



01 AG BUILDING INTERCOM PLAN

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

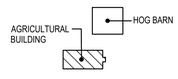
TRUE NORTH

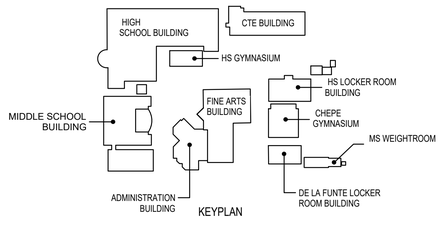


02 AG BUILDING MEZZANINE INTERCOM PLAN

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

TRUE NORTH





KEYPLAN

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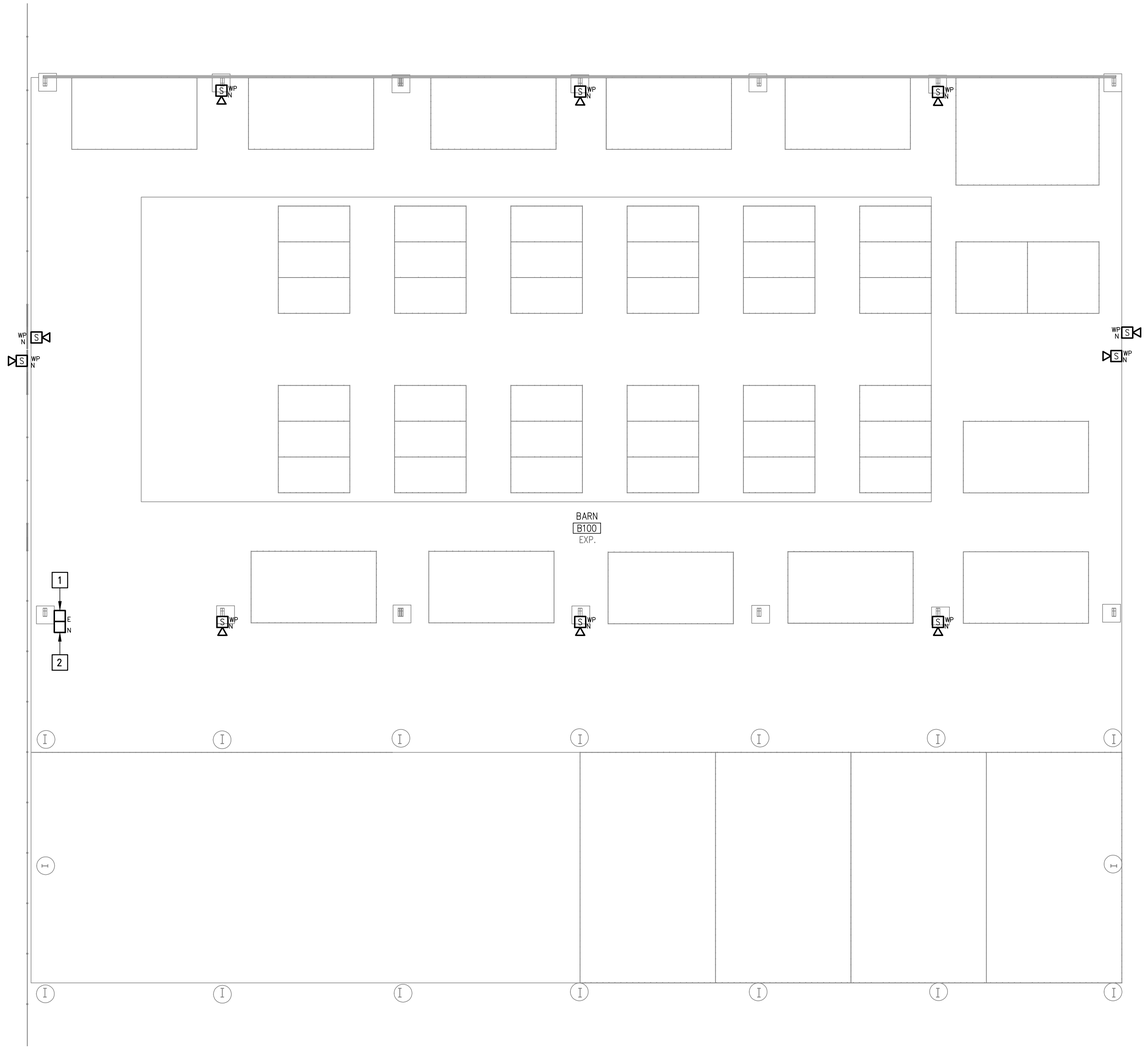
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DATE:	MAY 07, 2026
CHECKED BY:	G.Q.
DRAWN BY:	T.L.
PROJECT NO.:	25V104
CAD FILE:	-
SHEET:	E3.8

KEYED NOTES:

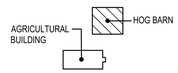
1. EXISTING WALL RACK.
2. PROVIDE NEW WALL RACK.

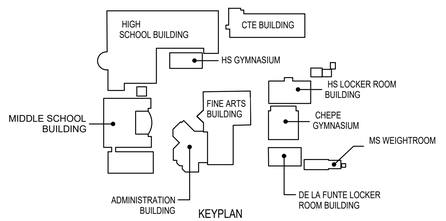


01 HOG BARN INTERCOM PLAN

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

TRUE NORTH





KEYPLAN

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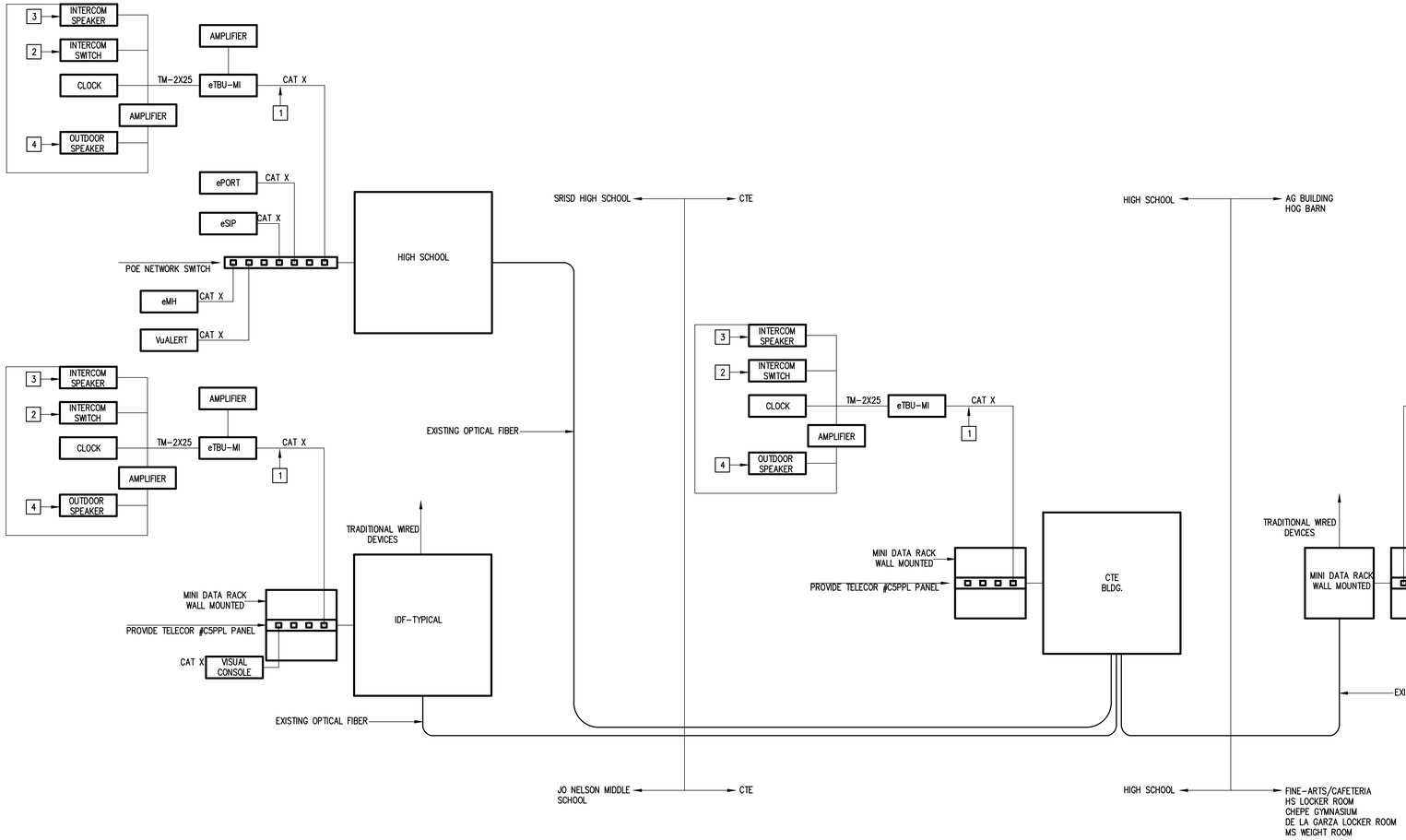
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SANTA ROSA TEXAS

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HARLINGEN, TX
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DRAWN BY:	T.L.
PROJECT NO.:	25V104
CAD FILE:	-
SHEET:	E3.9

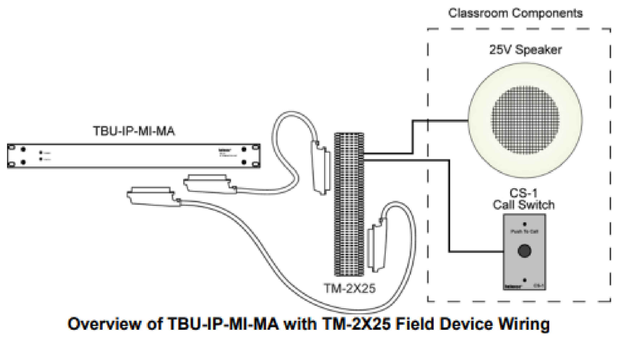
KEYED NOTES:

1. ETHERNET CONNECTION WITH END TO END CONNECTIVITY – TYPICAL.
2. INTERCOM SWITCH – TYPICAL.
3. INTERCOM INTERIOR SPEAKER – TYPICAL.
4. INTERCOM OUTDOOR SPEAKER – TYPICAL.



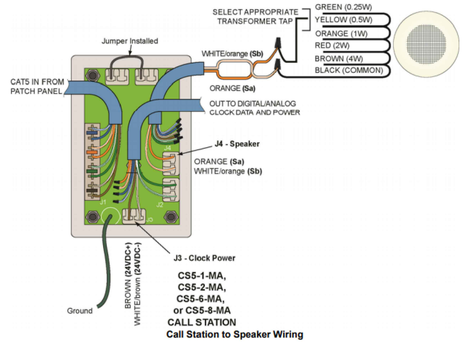
SCALE : NOT TO SCALE

INTERCOM DEVICES DIAGRAM 01



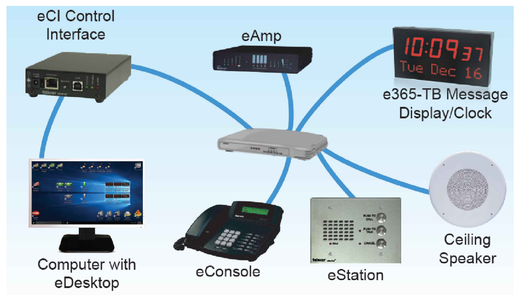
TBU-IP / TM-2X25 WIRING DIAGRAM 02

SCALE : NOT TO SCALE



CALL STATION / SPEAKER WIRING DIAGRAM 03

SCALE : NOT TO SCALE



eCI CONTROL INTERFACE WIRING DIAGRAM 04

SCALE : NOT TO SCALE

NO:	REVISION:	BY:

COPY NO:



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DATE:	MAY 07, 2026
CHECKED BY:	G.Q.
DRAWN BY:	T.L.
PROJECT NO.:	25V104
CAD FILE:	-
SHEET:	E4.1



01 TERMINATION UNIT
MODEL #eTBU-MA-MI
SCALE : NOT TO SCALE



07 SPEAKER BREAKOUT MODULE
MODEL #eSBM-TB
SCALE : NOT TO SCALE



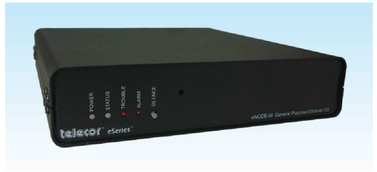
12 CALL SWITCH
TELECOR #CS-1
SCALE : NOT TO SCALE



17 INTERIOR SPEAKER
MODEL #VTF SERIES
SCALE : NOT TO SCALE



02 PATCH PANEL
TELECOR #C5PPL
SCALE : NOT TO SCALE



08 GENERAL PURPOSE INPUT-OUTPUT DEVICE
MODEL #eNODE
SCALE : NOT TO SCALE



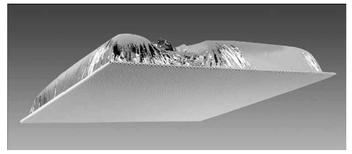
13 CEILING 8" ROUND SPEAKERS
TELECOR #STB-10
SCALE : NOT TO SCALE



03 PBX INTERFACE MODULE
eSIP
SCALE : NOT TO SCALE



09 ADMINISTRATIVE CONTROL
TELECOR #MCC-300
SCALE : NOT TO SCALE



14 LAY-IN CEILING SPEAKER
TELECOR #STB-12
SCALE : NOT TO SCALE



04 MASTER CLOCK
eMH
SCALE : NOT TO SCALE



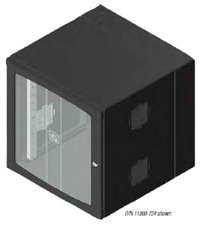
10 125W AMPLIFIER
MODEL #SI-125
SCALE : NOT TO SCALE



15 DIGITAL CLOCK DISPLAY
TELECOR #2421
SCALE : NOT TO SCALE



05 CONTROL INTERFACE
MODEL #ECI-ma
SCALE : NOT TO SCALE



11 WALL-MOUNT RACK AND CABINET
CHATSWORTH #11900-X24
SCALE : NOT TO SCALE



16 OUTDOOR SPEAKER
MODEL #VT-SERIES
SCALE : NOT TO SCALE



06 CONTROL INTERFACE
MODEL #eMA
SCALE : NOT TO SCALE

NO: REVISION: BY:

COPY NO:

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