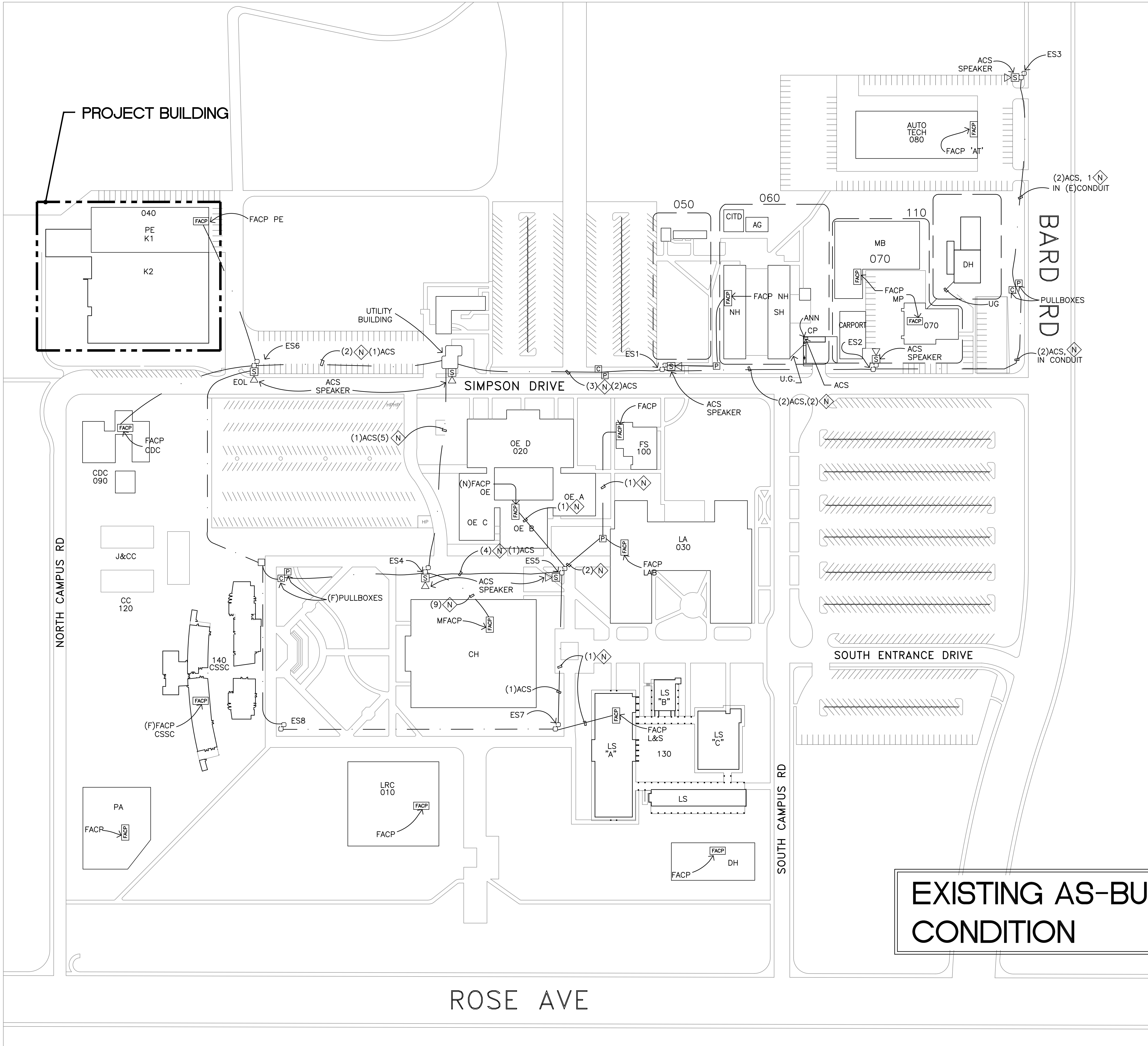




EXISTING AS-BUILT
CONDITION

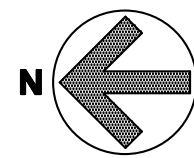
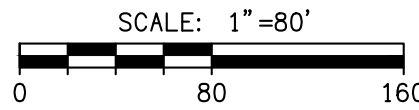
BUILDING SCHEDULE			
BUILDING	USE	CONSTRUCTION	APPLICATION (YR.)
AG	ART GALLERY	GALLERY	WOOD FRAME NOT OCCUPIED BY STUDENTS
AT	AUTO TECHNOLOGY	TRAINING	METAL BUILDING #39524 (96)
J&CC	JOB AND CAREER CENTER	OFFICES	MODULAR #10774 (90)
CDC	CHILD DEVELOPMENT CENTER	TRAINING	STEEL & MASONRY #53954 (90)
CITD	CONTRACT INSTRUCTION TECHNOLOGY DEPT.	EQUIPMENT STORAGE	MODULAR NOT OCCUPIED BY STUDENTS
CP	CAMPUS POLICE	OFFICE	MOBILE NOT OCCUPIED BY STUDENTS
CSSC	SERVICES BUILDING	-	- FUTURE (COMPLETE) (2002)
DH	DENTAL HYGIENE	OFFICES, CLASSROOM LABS	MODULAR TEMPORARY
FS	FOOD SERVICES	FOOD PREP & DISTRIBUTION	WOOD POST & BEAM #43313(81)
LA	LIBERAL ARTS	CLASSROOMS, LAB OFFICES	STEEL FRAME AND MASONRY #40181 (78)
LRC	LEARNING RESOURCE CENTER	ADMINISTRATIVE, OFFICES & LIBRARY	STEEL FRAME AND MASONRY #40181 (78)
LS	LETTERS & SCIENCE	CLASSROOMS, LAB OFFICES	STEEL FRAME AND MASONRY #60142 (95)
MB	MAINTENANCE BUILDING OFFICE	OFFICE	STEEL FRAME AND MASONRY NOT OCCUPIED BY STUDENTS
NH	NORTH HALL	CLASSROOMS	MODULAR #39600 (76)
OE	OCCUPATIONAL EDUCATION	BOOKSTORE, OFFICES CLASSROOMS, LABS	STEEL FRAME AND MASONRY #45784 (84)
PE	PHYSICAL EDUCATION K1	LOCKERS & SHOWERS	WOOD POST 7 BEAM FIRE SPRINKLED #41674 (79)
PE	PHYSICAL EDUCATION K2	GYM & PE CLASSROOMS, OFFICES	STEEL FRAME AND MASONRY #55312 (91)
SH	SOUTH HALL	CLASSROOMS & OFFICES	MODULAR #39600 (76)
SS	STUDENT SERVICES	OFFICES	MODULAR #40469 (77)
CH	CONDOR HALL	OFFICES	STEEL FRAME AND MASONRY FIRE SPRINKLED

- SYMBOLS ABBREVIATIONS
- (E) ELECTRICAL STRUCTURE
 - (E) UNDERGROUND PULLBOXES
 - SPEAKER "ALL CLEAR SYSTEM"
 - (1) ACS ALL CLEAR SYSTEM CABLE

- NOTES:
- ALL UG CONDUIT SHOWN IS EXISTING U.N.O.
 - ALL UG CONDUIT BETWEEN ELECTRICAL STRUCTURES (ES) ARE 4" C.
 - SEE RISER DIAGRAM FOR FIRE ALARM NETWORK WIRING.

FIRE ALARM PLAN - OVERALL SITE
SCALE: 1"=80'-0"

1
FA001



REFERENCE ONLY

REVISIONS

BY

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PROJECT:

BID 575, OXNARD COLLEGE
PE BUILDING FIRE ALARM
REPAIR PROJECT

4000 SOUTH ROSE AVENUE
OXNARD, CALIFORNIA 93033

DRAWN:

L. K. / S. F.

CHECKED:

K. L.

DATE:

03-04-2019

SCALE:

AS NOTED

JOB NO.

18607

SHEET:

FA001

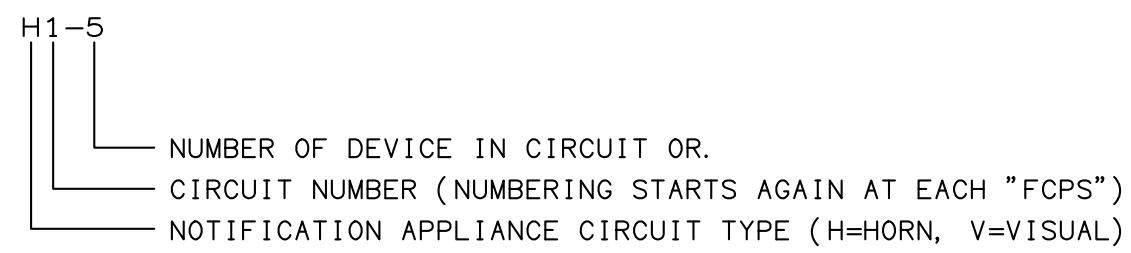
OF SHEETS

SCOPE OF WORK
PROVIDE A NEW ADDRESSABLE FIRE ALARM SYSTEM FOR BUILDING, AUTOMATIC TYPE COMPLETE BUILDING , VOICE EVACUATION.
FIRE ALARM ZONE SCHEDULE
THE NEW FIRE ALARM SYSTEM IS A EST3 EDWARD ADDRESSABLE TYPE, EACH INITIATING DEVICE IS ANNUNCIATED AS A UNIQUE ADDRESS OR ZONE AT THE PANEL AND ANNUNCIATOR.
F.A. RACEWAY SIZING
MINIMUM CONDUIT SIZE SHALL BE 3/4" DIAMETER AND SHALL NOT EXCEED 40% FILL.

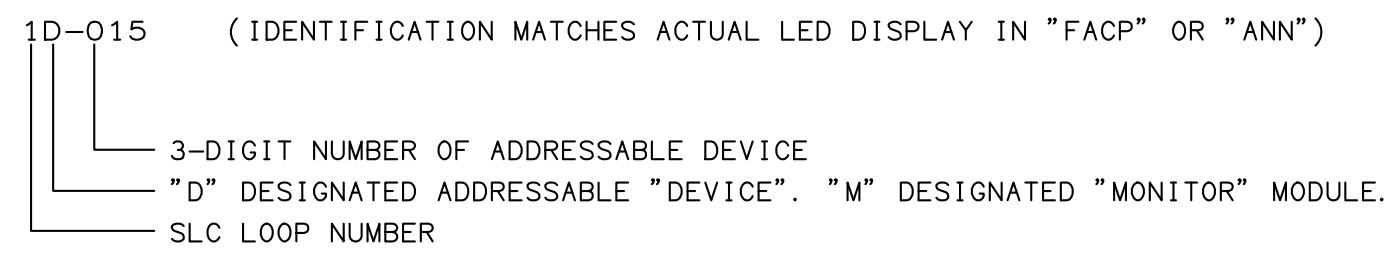
WIRE LEGEND

TYPE	CONDUCTORS	SIZE	TYPE CABLE	CIRCUIT DESCRIPTION	WIRE COLOR SCHEME
A	2	#18AWG	FPL	ADDRESSABLE DEVICE CIRCUIT	RED (+), BLACK (-)
2A	4	#18AWG	FPL	ADDRESSABLE DEVICE LOOP	RED (+), BLACK (-), BLUE (+), BROWN (-)
C	2	#14AWG	THHN	STROBE CIRCUIT	YELLOW (+), BLUE (-)
2C	4	#14AWG	THHN	STROBE LOOP	YELLOW (+), BLUE (-), YELLOW STRIPED (+), BLUE STRIPED (-)
N	4	#16AWG	THHN	NETWORK (RS484) CIRCUIT	RED (+), BLACK (-)
P	2	#14AWG	THHN	AUXILIARY POWER CIRCUIT	ORANGE (+), BROWN (-)
D	2	#12AWG	THHN	STROBE CIRCUIT	YELLOW (+), BLUE (-)
2D	4	#12AWG	THHN	STROBE LOOP	YELLOW (+), BLUE (-), YELLOW STRIPED (+), BLUE STRIPED (-)

FIRE ALARM N.A.C. DEVICE NUMBERING KEY



FIRE ALARM ADDRESSABLE DEVICE IDENTIFICATION KEY



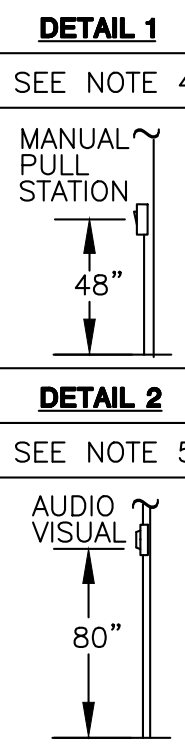
SEQUENCE OF OPERATION

DEVICE	THROUGHOUT BUILDING SOUND GENERAL ALARM	SOUND TROUBLE BUZZER	ACTIVATE ADDRESSABLE MODULE FOR MONITORING	ANNUNCIATE AT PANEL	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	TRANSMIT T. ALARM SIGNAL TO SUPERVISING STATION	ACTIVE REMOTE POWER (Y-PS) FROM PANEL TO REMOTE DEVICES & VISUAL ALARMS FROM F.A. SYSTEM	RELEASE DOOR HOLD OPEN	SHUT DOWN HVAC UNIT
MANUAL PULL STATION	●					●	●		
INDICATING CIRCUIT FAILURE		●							
INITIATING CIRCUIT FAILURE		●							
AC / BATTERY FAILURE		●					●		
F.A. SYSTEM LOW BATTERY		●							
TAMPER SWITCH		●					●		
FLOW SWITCH		●							
SMOKE DETECTORS 1ST FLOOR		●					●	●	●
DOOR HOLD OPEN		●					●		
HEAT DETECTORS		●					●		
FIRE SMOKE DAMPERS		●	●				●		
DUCT DETECTORS		●					●		
ISOLATOR LINE TROUBLE		●						●	
EARTH GROUND FAULT		●			●				

PROJECT NOTES

GENERAL NOTES

1. ALL WIRE SHALL BE IN CONDUIT PER CFC 907.
2. MANUAL PULL STATIONS TO BE MOUNTED AT 48 IN. ABOVE FLOOR SURFACE TO THE CENTER OF THE STATION. (DETAIL 1)
3. MOUNT AUDIO VISUAL 80 IN. ABOVE FINISHED FLOOR TO THE BOTTOM OF THE LIGHT OR 6" FROM BELOW CEILING WHICH EVER IS LOWEST. (DETAIL 2)
4. MAINTAIN WIRING COLOR CODES.
5. ALL WIRING TO BE AS CALLED FOR IN N.E.C. ARTICLE 760 & CFC 907.
6. IDENTIFY THE FIRE ALARM CIRCUIT AT THE ELECTRICAL PANEL IN RED, PROVIDE A BREAKER LOCKON DEVICE.
7. DEVICE TYPES AND LOCATIONS ARE SHOWN AS CALLED FOR ON THE BID DOCUMENTS.



REVISIONS

BY



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GYMNASIUM FIRE ALARM PLANS
BASED ON AS BUILT PLANS
FROM RECORD DRAWINGS

UL/cUL SYSTEM NO. C-AJ-1597

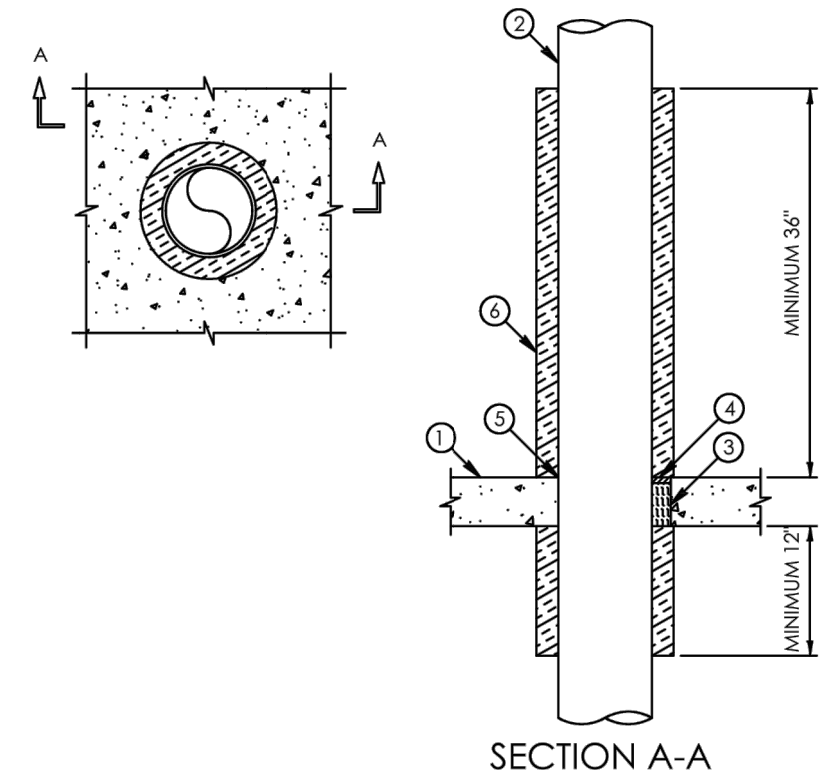
METAL PIPE THROUGH CONCRETE FLOOR/WALL OR CONCRETE BLOCK WALL

F-RATING = 3-HR.

T-RATING = 2-HR. OR 2 3/4-HR. (SEE NOTES BELOW)

L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT

L-RATING AT 400°F = LESS THAN 1 CFM / SQ FT



1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR. FIRE-RATING);
- A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4 1/2" THICK).
- B. ANY UL/CUL CLASSIFIED PRECAST (HOLLOW-CORE) CONCRETE FLOOR (MINIMUM 6" THICK).
- C. ANY UL/CUL CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
- A. MAXIMUM 8" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
- B. MAXIMUM 8" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE.
- C. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OR TUBING.
- D. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
- E. MAXIMUM 4" NOMINAL DIAMETER EMT.
3. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCD DENSITY) TIGHTLY PACKED.
4. MINIMUM 1/2" DEPTH HLTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT, HLTI CFS-5 SL, FS FIRESTOP SILICONE SEALANT, HLTI CP 404 SELF-LEVELING FIRESTOP SEALANT, OR HLTI CFS-5 SL, GG FIRESTOP SILICONE SEALANT.
5. [NOT SHOWN] MINIMUM 2" BEAD HLTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT [NOT REQUIRED WHEN CP 404 SELF-LEVELING FIRESTOP SEALANT IS USED].
6. NORMAL 1-1/2" OR 2" THICK DUCT WRAP (FIREWRAP DUCT OR FIREWRAP DUCT 1.5 INSULATION MANUFACTURED BY UNIRAP, OR FIREMASTER FASTWRAP XL MANUFACTURED BY THERMAL CERAMICS) WRAPPED AROUND PENETRANT, EXTENDING MINIMUM 36" ABOVE FLOOR AND MINIMUM 12" BELOW FLOOR OR MINIMUM 36" BEYOND BOTH SIDES OF WALL ASSEMBLY. THE ENDS ARE TO BE TIGHTLY BUTTED TOGETHER AND TAPED ON TOP SIDE OF FLOOR AND BOTH SIDES OF WALL. THE OPPOSED EDGES OF THE TAPED BLANKETS ARE TO BE TAPED WITH 4" WIDE PRESSURE-SENSITIVE ALUMINUM FOIL TAPE. ON THE BOTTOM SURFACE OF THE FLOOR ENDS ARE TO BE TIGHTLY BUTTED AND WIRE BOUND.

- NOTES: 1. MAXIMUM DIAMETER OF OPENING = 10" FOR NORMAL CONCRETE, 2" FOR PRECAST (HOLLOW-CORE) CONCRETE.
2. ANNUAL SPACE = MINIMUM 0.7.
3. HLTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL.
4. MINERAL WOOL REQUIRED TO BE INSTALLED FLUSH WITH BOTTOM FLOOR SURFACE WHEN INSTALLED IN PRECAST (HOLLOW-CORE) CONCRETE.
5. L-RATING EQUALS 2-HR. WHEN 1-1/2" THICK DUCT INSULATION IS USED.

(CONDUIT)
FLOOR PENETRATION DETAIL

UL/cUL SYSTEM NO. W-L-1243

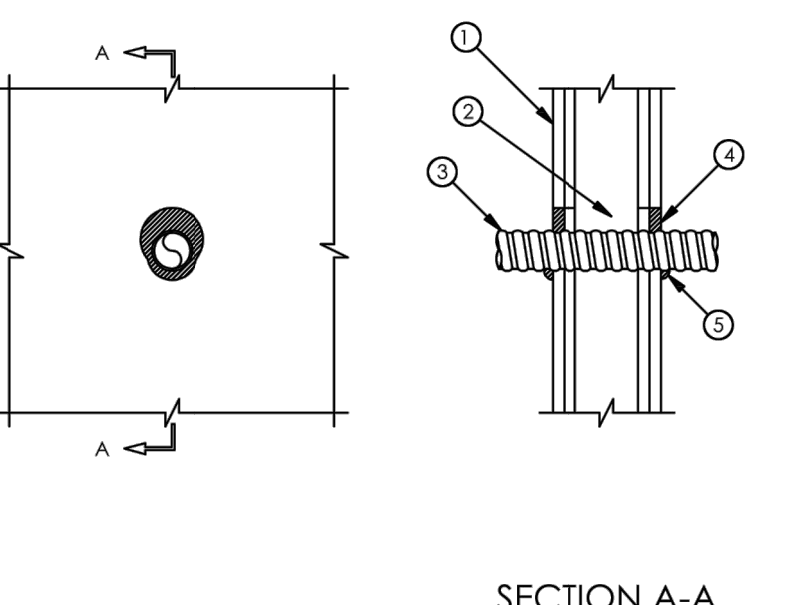
FLEXIBLE ALUMINUM CONDUIT THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR.

T-RATING = 0-HR.

L-RATING AT AMBIENT = 5 CFM/SQ. FT.

L-RATING AT 400°F = 1 CFM/SQ. FT.



1. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
2. [NOT SHOWN] WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
- A. MAXIMUM 2" NOMINAL DIAMETER FLEXIBLE ALUMINUM OR STEEL CONDUIT.
- B. MAXIMUM 2" NOMINAL DIAMETER FLEXIBLE STEEL GAS PIPING MANUFACTURED BY OMEGA FLEX INC.
- A. MAXIMUM 2" NOMINAL DIAMETER FLEXIBLE STEEL GAS PIPING MANUFACTURED BY GASTITE. DIVISION OF TITELCO OR WARD WFG, LLC.
4. MINIMUM 5/8" DEPTH HLTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HLTI FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

- NOTES: 1. MAXIMUM DIAMETER OF OPENING = 3 1/2".
2. ANNUAL SPACE = MINIMUM 0.7, MAXIMUM 1.1.

(CONDUIT)
WALL PENETRATION DETAIL

SYSTEM NO. C-AJ-3095

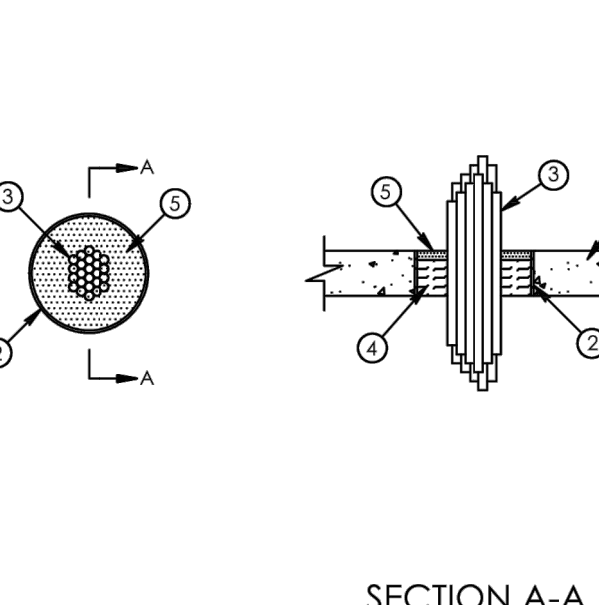
ANSI/UL 1479 (ASTM B914)

F-RATING = 3-HR.

T-RATING = 0-HR. 1/2-HR AND 3/4-HR (SEE ITEM 3).

L-RATING AT AMBIENT = 15 CFM/SQ. FT.

L-RATING AT 400°F = 8 CFM/SQ. FT.



1. FLOOR OR WALL ASSEMBLY - MIN 2-1/2 IN. (64 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE FLOOR OR MIN 3 IN. (76 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL MAY, ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS* MAX DIA OF OPENING = 6 IN. (152 MM).
- SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
2. SLEEVE - [OPTIONAL]-NOM 6 IN. (152 MM) DIA (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE CAST OR GROUDED INTO FLOOR OR WALL ASSEMBLY FLUSH WITH FLOOR OR WALL SURFACES OR EXTENDING A MAX 3 IN. (76 MM) ABOVE THE FLOOR OR BOTH SURFACES OF THE WALL, IF THE STEEL SLEEVE EXTENDS ABOVE THE FLOOR OR BOTH SURFACES OF THE WALL, THE RATING OF THE FIRESTOP SYSTEM IS 0-HR.
3. CABLES - AGGREGATE CROSS-SECTIONAL AREA OF CABLE IN OPENING TO BE MIN 25 PERCENT OF THE AGGREGATE CROSS-SECTIONAL AREA OF THE OPENING. CABLES TO BE PROPERLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF METALLIC CONDUCTOR OR FIBER OPTIC CABLE MAY BE USED:
- A. MAX 500 KCML SINGLE COPPER CONDUCTOR POWER CABLE WITH THERMOPLASTIC INSULATION AND POLYVINYL CHLORIDE (PVC) JACKET, WHEN SINGLE COPPER CONDUCTOR POWER CABLE IS USED, 1, FT, AND FTH RATING IS 0-HR.
- B. MAX 350 KCML SINGLE COPPER CONDUCTOR POWER CABLES WITH EITHER ALUMINUM OR COPPER CONDUCTORS AND CROSS-LINKED POLYETHYLENE (XLPE) INSULATION, WHEN SINGLE ALUMINUM CONDUCTOR POWER CABLE IS USED, 1 RATING IS 0-HR, WHEN SINGLE COPPER CONDUCTOR POWER CABLE IS USED, 1, FT AND FTH RATING IS 1/2-HR.
- C. MAX 300 PAIR NO. 24 AWG COPPER CONDUCTOR TELECOMMUNICATION CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET MATERIAL, WHEN TELECOMMUNICATION CABLES IS USED, 1, FT AND FTH RATING IS 0-HR.
- D. MAX THREE COPPER CONDUCTOR NO. 8 AWG CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET MATERIAL, WHEN MULTI-CONDUCTOR POWER CABLES IS USED, 1 RATING IS 0-HR.
- E. MAX 7/8 COPPER CONDUCTOR NO. 12 AWG MULTICONDUCTOR POWER AND CONTROL CABLES WITH PVC OR CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND PVC JACKET, WHEN MULTICONDUCTOR POWER AND CONTROL CABLES IS USED, 1, FT, FTH RATING IS 3/4-HR.
- F. MULTIPLE FIBER OPTIC COMMUNICATION CABLES JACKETED WITH PVC AND HAVING MAX OUTSIDE DIAM OF 1/2 IN. WHEN FIBER OPTIC CABLES IS USED, 1, FT AND FTH RATING IS 3/4-HR.
- G. MAX 3/8 COPPER CONDUCTOR NO. 12 AWG WITH BARE ALUMINUM GROUND, POLYVINYL CHLORIDE (PVC) INSULATED STEEL, METAL-CLAD CABLE, WHEN AWC CABLE IS USED, 1, FT AND FTH RATING IS 0-HR.
- AFC CABLE SYSTEMS INC.
- H. MAX 3/8 WITH GROUND AWC COPPER CONDUCTOR SER CABLE WITH CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND POLYVINYL CHLORIDE (PVC) JACKET, WHEN SER CABLES IS USED, 1, FT AND FTH RATING IS 0-HR.
- I. MAX RIGID COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND POLYVINYL CHLORIDE (PVC) JACKET HAVING A MAX OUTSIDE DIAMETER OF 1/2 IN. WHEN COAXIAL CABLES IS USED, 1 RATING IS 0-HR.
- J. FIRE RESISTIVE CABLE* - MAX 1-1/4 IN. (32 MM) DIA SINGLE CONDUCTOR OR MULTI-CONDUCTOR TYPE M CABLE, A MAX 1/8 IN. (3 MM) DIA SINGLE CONDUCTOR OR MULTI-CONDUCTOR TYPE M CABLE, A MAX 1/8 IN. (3 MM) DIA SEPARATION SHALL BE MAINTAINED BETWEEN M CABLES AND ANY OTHER TYPE OF CABLE, WHEN FIRE RESISTIVE CABLES ARE USED, 1, FT AND FTH RATING IS 0-HR.
- K. THROUGH PENETRATING PRODUCT* - ANY CABLES, METAL-CLAD CABLE OR ARMORED CABLE* CURRENTLY CLASSIFIED UNDER THE THROUGH PENETRATING PRODUCTS CATEGORY.
- SEE THROUGH PENETRATING PRODUCT (DHLT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
4. PACKING - MATERIAL - MIN 2 IN. (51 MM) THICKNESS OF MIN 4 PCF (64 KG/M3) MINERAL WOOL BATT INSULATION FRMLY PACKED INTO OPENING AS A PERMANENT FORM, PACKING MATERIAL TO BE RECESSED 1/2 IN. (13 MM) FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL TO ACCOMMODATE THE FILL MATERIAL, IF THE STEEL SLEEVE (ITEM 2) EXTENDS ABOVE THE TOP OF THE FLOOR, THE PACKING MATERIAL SHALL BE FLUSH WITH THE BOTTOM SURFACE OF THE FLOOR.
5. FILL VOID OR CAVITY MATERIAL - SEALANT - MIN 1/2 IN. (13 MM) THICKNESS OF FILL MATERIAL, APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL.
6. HLTI CONSTRUCTION CHEMICALS, DIV OF HLTI INC. - FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT.
- * INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

(OPEN CABLE)
FLOOR PENETRATION DETAIL

SYSTEM NO. W-L-3065

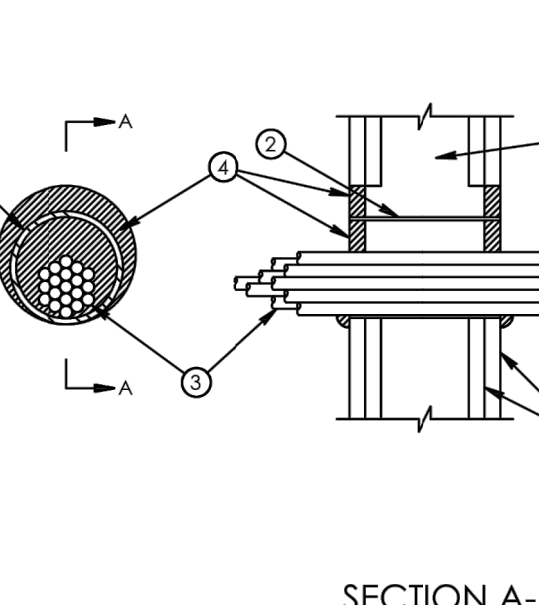
ANSI/UL 1479 (ASTM B914)

F-RATING = 1-HR. OR 2-HR (SEE ITEM 1).

T-RATING = 0-HR AND 3/4-HR (SEE ITEM 3).

L-RATING AT AMBIENT = 15 CFM/SQ. FT.

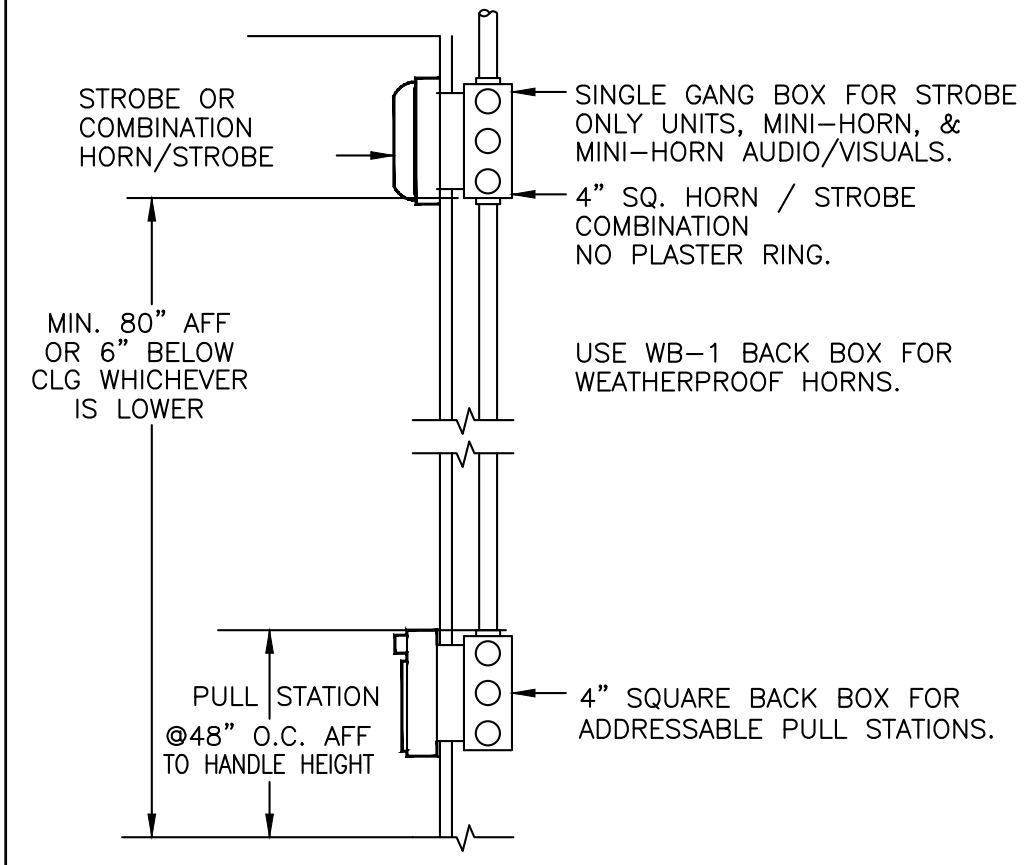
L-RATING AT 400°F = 8 CFM/SQ. FT.



1. WALL ASSEMBLY - THE 1 OR 2 FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIES IN THE INDIVIDUAL U300, U400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS, WOOD STUDS TO CONSIST OF NOM 2 1/4 IN. (61 MM) BY 102 MM LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 2-1/2 IN. (64 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
- B. GYPSUM BOARD - NOM 5/8 IN (16 MM) THICK GYPSUM BOARD, WITH SQUARE OR TAPERED EDGES, THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIA OF OPENING = 5 1/2 IN. (138 MM) WHEN SLEEVE (ITEM 2) IS EMPLOYED, MAX DIA OF OPENING = 4 1/4 IN. (102 MM) WHEN SLEEVE (ITEM 2) IS NOT EMPLOYED.
- THE FTH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE FIRE RATINGS OF THE WALL ASSEMBLY.
2. METALLIC SLEEVE - [OPTIONAL] - NOM 4 IN. (102 MM) DIA (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT) OR SCHEDULE 5 (OR HEAVIER) STEEL PIPE OR MIN 0.016 IN. THICK (0.41 MM) NO. 28 GA (0.41 MM) GALV STEEL SLEEVE INSTALLED FLUSH WITH WALL SURFACES. THE ANNULAR SPACE BETWEEN STEEL SLEEVE AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (0 MM) POINT CONTACT TO MAX 1 IN. (25 MM) WHEN SLEEVE IS CONTINUOUS ON ONE SIDE OF WALL, (SEE ITEM 3), THE CABLE FILL MAY BE TO 45% AND THE MAX ANNULAR SPACE IS NOT LIMITED. CABLES TO BE PROPERLY SUPPORTED ON ONE SIDE OF THE WALL ASSEMBLY. CABLE BUNDLE USING CABLES DESCRIBED BELOW, MAY PENETRATE THE WALL AT AN ANGLE NOT GREATER THAN 45 DEGREES. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF COPPER CONDUCTOR CABLES MAY BE USED:
- A. MAX 7/8 NO. 12 AWG WITH POLYVINYL CHLORIDE (PVC) INSTALLATION AND JACKET.
- B. MAX 28 PAIR NO. 24 AWG TELEPHONE CABLE WITH PVC INSULATION AND JACKET.
- B1. MAX 4 PR NO. 22 AWG CAT 6 COMPUTER CABLES.
- C. TYPE RGSU COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND PVC JACKET, HAVING A MAX OUTSIDE DIAMETER OF 1/2 IN. (13 MM).
- D1. MAX RGSU COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND JACKETING.
- D. MULTIPLE FIBER OPTIC COMMUNICATION CABLE JACKETED WITH PVC AND HAVING A MAX OD OF 5/8 IN. (16 MM).
- E. THROUGH PENETRATING PRODUCTS* - MAX THREE COPPER CONDUCTOR NO. 8 AWG, METAL-CLAD CABLE, AWC CABLE SYSTEMS INC.
- F. MAX 3/8 (WITH GROUND) 1 OR SMALLER) NO. 8 AWG COPPER CONDUCTOR CABLE WITH PVC INSULATION AND JACKET.
- G. MAX 3/8 (19 MM) DIA COPPER GROUND CABLE WITH OR WITHOUT A PVC JACKET.
- H. FIRE RESISTIVE CABLES* - MAX 1-1/4 IN. (32 MM) DIA SINGLE CONDUCTOR OR MULTI-CONDUCTOR TYPE M CABLE, A MAX 1/8 IN. (3 MM) DIA SEPARATION SHALL BE MAINTAINED BETWEEN M CABLES AND ANY OTHER TYPES IF CABLE.
- I. MAX 40 WITH GROUND RGSU COAXIAL CABLE WITH POLYETHYLENE (PE) INSULATION AND PVC JACKET.
- J. THROUGH PENETRATING PRODUCT* - ANY CABLES, METAL-CLAD CABLE OR ARMORED CABLE* CURRENTLY CLASSIFIED UNDER THE THROUGH PENETRATING PRODUCTS CATEGORY.
- K. MAXIMUM 3/8 NO. 8 AWG METAL-CLAD CABLE.
- L. MAXIMUM 5/8 DIA FIBER OPTIC CABLE WITH PVC JACKET.
- FOR CABLE BUNDLE PENETRATING THE WALL ASSEMBLY AT AN ANGLE OF 45 DEGREES, THE 1, FT, FTH RATINGS ARE 0-HR AND 2-HR FOR 1 AND 2-HR WALL ASSEMBLIES, RESPECTIVELY.
- SEE THROUGH PENETRATING PRODUCT (DHLT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
4. RILL VOID OR CAVITY MATERIAL - SEALANT OR PUTTY - FILL MATERIAL APPLIED WITH THE ANNULUS, FLUSH WITH EACH END OF THE STEEL SLEEVE OR WALL SURFACE. FILL MATERIAL, INSTALLED SYMMETRICALLY ON BOTH SIDES OF THE WALL, A WALL 5/8 IN. (16 MM) THICKNESS OF SEALANT IS REQUIRED FOR THE 1 OR 2-HR F-RATING, AN ADDITIONAL 1 IN. (13 MM) DIA BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE INTERFACE OF SLEEVE WITH GYPSUM BOARD.
- HLTI CONSTRUCTION CHEMICALS, DIV OF HLTI INC. - CPM-05, CPM-06, FS-ONE SEALANTS OR FS-ONE MAX INTUMESCENT SEALANT OR PUTTY.
5. PACKING MATERIAL - [OPTIONAL, NOT SHOWN] - MINERAL WOOL FORMING MATERIAL MAY BE USED AS A BACKER FOR THE FILL MATERIAL, IF THE FILL MATERIAL IS RECESSED 1/2 IN. (13 MM) FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AND RECESSED FROM END OF SLEEVE TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
- * INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.
- * BEARING THE UL LISTING MARK.

(OPEN CABLE)
WALL PENETRATION DETAIL

MOUNTING HEIGHT DETAIL



REQUIRED NOTES

THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRIC CODE.

INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE CALIFORNIA DEPT. OF THE STATE ARCHITECT'S FIRE MARSHAL.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE FIRE MARSHAL, OWNER AND ENGINEER OF RECORD.

A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED FOR ANY INSPECTION AND/OR TESTING.

ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.

A STAMPED SET OF APPROVED FIRE ALARM PLANS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION, ANY DEVIATION FROM APPROVED PLANS, INCLUDING THE SUBSTITUTION OF DEVICES SHALL BE APPROVED BY THE FIRE MARSHAL.

ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE, OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD.

A CERTIFICATE OF COMPLIANCE SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE FIRE MARSHAL UPON COMPLETION OF THE INSTALLATION.

COMPLETE THE NFPA 72 RECORD OF COMPLETION, TESTING ALL DEVICES AND APPLIANCES, PROVIDE A COPY OF THE COMPLETED RECORD OF COMPLETION TO THE OWNER (SCHOOL DISTRICT), ARCHITECT, LOCAL FIRE AUTHORITY AND DSA VIA THE PROJECT INSPECTOR.

FIRE ALARM EQUIPMENT SCHEDULE				
SYMBOL	DEVICE	MFR. & CAT. NO.	NOTES: REMARKS	CSFM LISTING NO.
	FIRE ALARM CONTROL PANEL	FCI S3	ADDRESSABLE ANALOG W/ BATTERIES, INI-7100, SEE CALCS FOR BATTERY	7165-1703:0176
	REMOTE ANNUNCIATOR	FCI LCD-7100	PROVIDE W.P. ENCLOSURE WHERE MTD OUTSIDE	7120-1703:0137
	BATTERY CABINET	FCI B8C1	W/ BATTERIES SIZED PER CALCS.	-
	PHOTOELECTRIC SMOKE DETECTOR	FCI ASD.PL W/ADB.FL	ADDR. SMOKE DET. W/BASE, LOW PROFILE PHOTOELECTRIC	7272-1703:0121
	CONTROL MODULE	FCI AOM-2R FCI AOM-2S	ADDR. OUTPUT MODULE	7300-1703:0102
	MONITOR MODULE	FCI AMM.2	ADDR. MONITOR MODULE	7300-1703:0102
	MANUAL PULL STATION	MS-2	ADDR. MODULE ON WEATHERPROOF STATION W/ REPLACEMENT GLASS RODS	7150-0785:0153
	INTERIOR HORN	MIZ-24R	WBS W.P. BACKBOX (0.035)	7135-0785:0150
	INTERIOR HORN STROBE 15 CANDELA (Cd) WALL MT.	CW ETMCW	FIELD SELECTABLE HORN OPTIONS (0.041A) TEMPORAL 3 CODE	7125-0785:0152
	INTERIOR HORN STROBE 30 CANDELA (Cd) WALL MT.	CW ETMCW	FIELD SELECTABLE HORN OPTIONS (0.065A) TEMPORAL 3 CODE	7125-0785:0152
	INTERIOR HORN STROBE 75 CANDELA (Cd) WALL MT.	CW ETMCW	FIELD SELECTABLE HORN OPTIONS (0.116A) TEMPORAL 3 CODE	7125-0785:0152
	INTERIOR HORN STROBE 110 CANDELA (Cd) WALL MT.	CW ETMCW	FIELD SELECTABLE HORN OPTIONS (0.155A) TEMPORAL 3 CODE	7125-0785:0152
	INTERIOR WALL MTD STROBE 15 CANDELA (Cd)	CW RSS 24MCW	15 Cd (0.041A)	7125-0785:0141
	INTERIOR WALL MTD STROBE 30 CANDELA (Cd)	CW RSS 24MCW	30 Cd (0.065A)	7125-0785:0141
	INTERIOR WALL MTD STROBE 75 CANDELA (Cd)	CW RSS 24MCW	75 Cd (0.116A)	7125-0785:0141
	INTERIOR WALL MTD STROBE 110 CANDELA (Cd)	CW RSS 24MCW	110 Cd (0.155A)	7125-0785:0141
	INTERIOR HORN STROBE 15 Cd	CW ET 24MCC	WHITE 0.045A	7125-0785:0152
	INTERIOR HORN STROBE 30 Cd	CW ET 24MCC	WHITE 0.072A	7125-0785:0152
	INTERIOR HORN STROBE 75 Cd	CW ET 24MCC	WHITE 0.128A	7125-0785:0152
	INTERIOR HORN STROBE 95 Cd	CW ET 24MCC	WHITE 0.171A	7125-0785:0152
	INTERIOR HORN STROBE 115 Cd	CW ET 24MCC	WHITE 0.171A	7125-0785:0152
	EXTERIOR HORN	SYSTEM SENSOR		7135-1653:0189

CW - COOPER WHEELCOCK

SHEET TITLE:

PROJECT:

GENERAL NOTES,
ABBREVIATIONS, SYMBOLS -
EXISTING F.A. SYSTEM

BID 575, OXNARD COLLEGE
PE BUILDING FIRE ALARM
REPAIR PROJECT

4000 SOUTH ROSE AVENUE
OXNARD, CALIFORNIA 93033

DRAWN:

L. K. / S.F.

CHECKED:

K. L.

DATE:

03-04-2019

SCALE:

AS NOTED

JOB NO:

18607

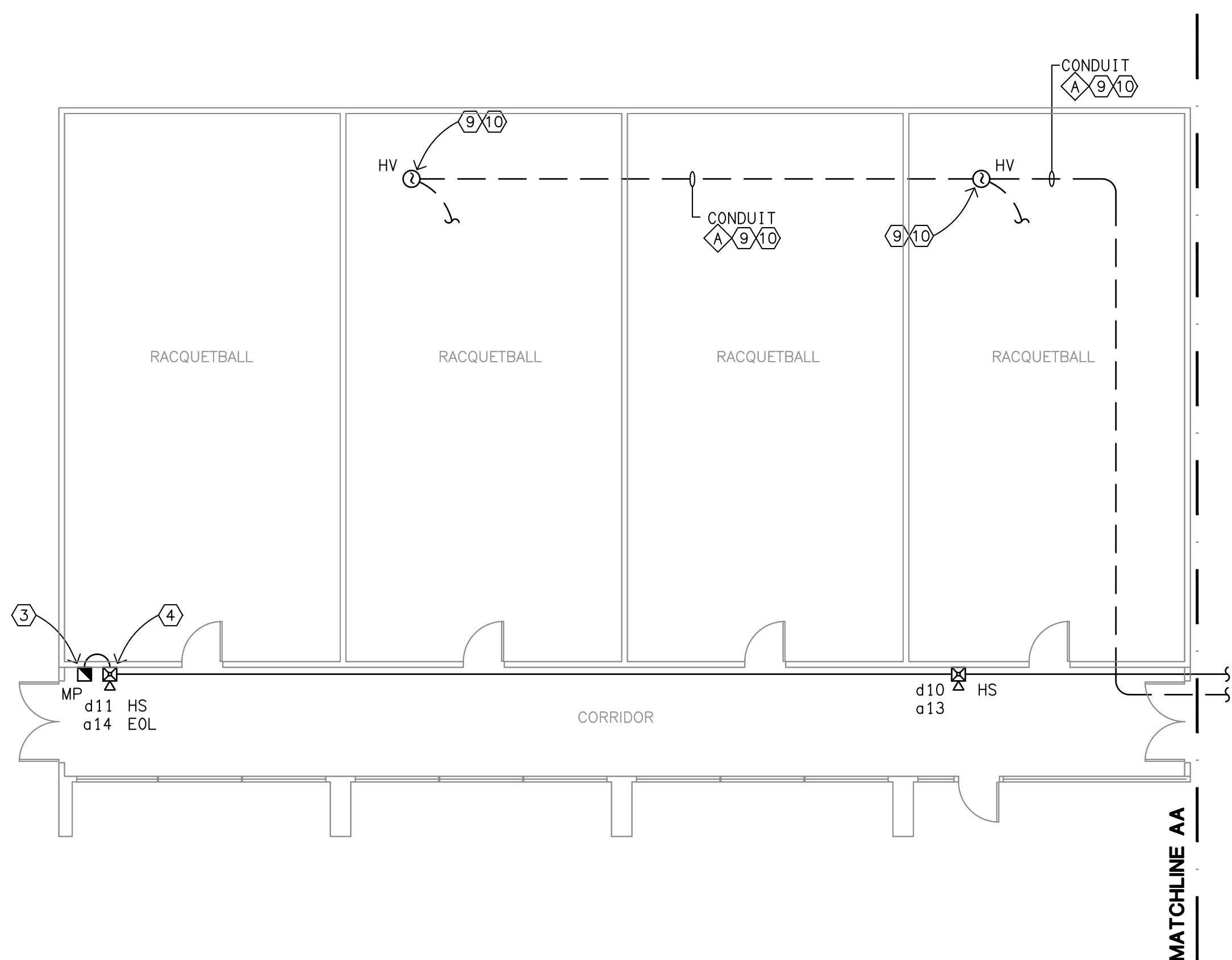
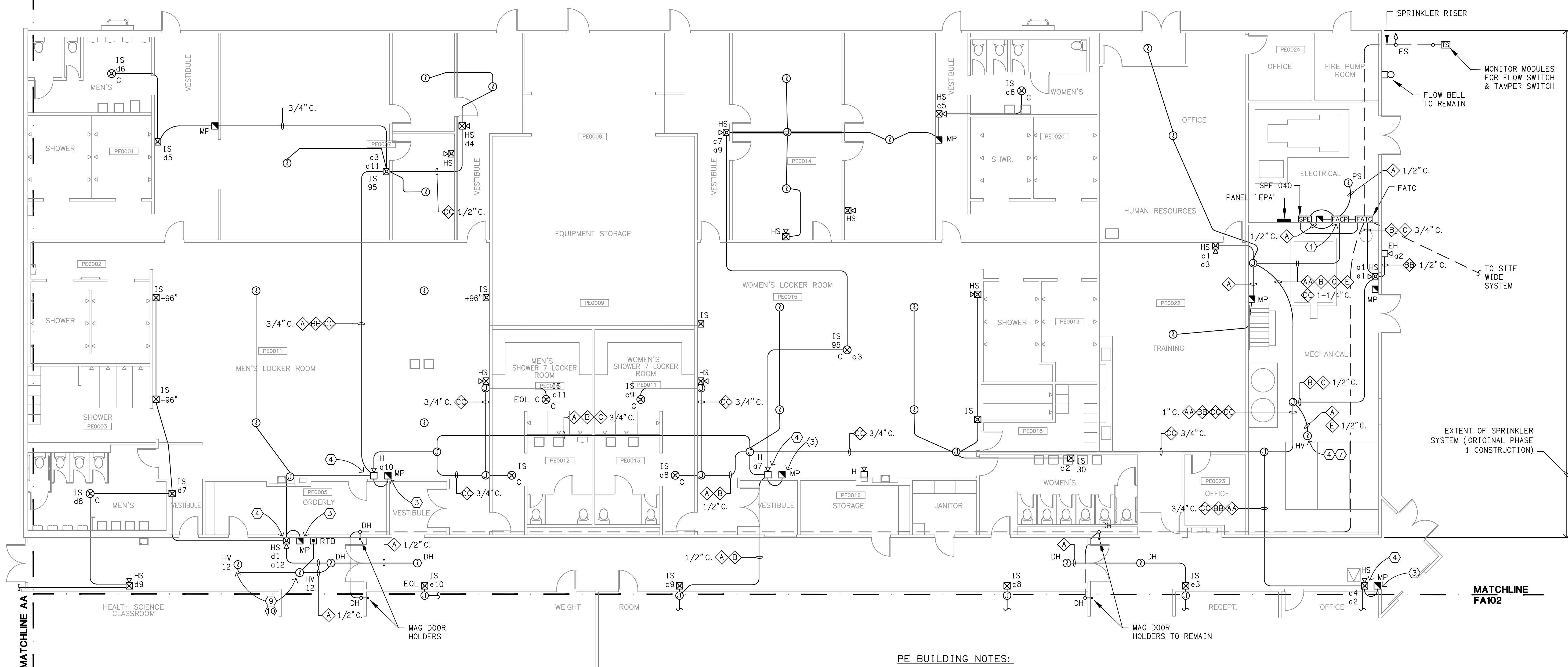
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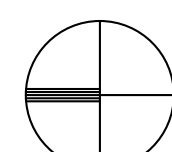
SHEETS

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XREF G\108\50\ALL\XORD+2\3360\71\B000g



FIRE ALARM PLAN - PHYSICAL EDUCATION BUILDING - EAST EXISTING F.A. CONDITIONS
SCALE: 1/8"=1'-0"

1
- FA101

PROJECT
NORTH

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

SYMBOL LIST

- | | |
|---|---|
|  | Remote Annunciator |
|  | Battery Cabinet |
|  | Fire Alarm Control Panel (Building) |
|  | Fire Alarm Terminal Cabinet |
|  | Compus Fire Alarm Control Panel |
|  | Signal Power Expander |
|  | Photoelectric Smoke Detector - Door Releasing |
|  | Photoelectric Smoke Detector W/Addressable Base |
|  | Duct Mounted Smoke Detector Addressable |
|  | Thermal Detector - Addressable Base |
|  | Manual Pull Station Interior |
|  | Manual Pull Station Exterior |
|  | Control Module Addressable |
|  | Monitor Module Addressable |
|  | Wall Mounted Horn - Exterior |
|  | Wall Mounted Horn - Interior |
|  | Wall Mounted Horn Strobe - Interior 15cd |
|  | Wall Mounted Horn Strobe - Interior 30cd |
|  | Wall Mounted Horn Strobe - Interior 75cd |
|  | Wall Mounted Horn Strobe - Interior 110cd |
|  | Wall Mounted Interior Strobe 15cd |
|  | Wall Mounted Interior Strobe 30cd |
|  | Wall Mounted Interior Strobe 75cd |
|  | Wall Mounted Interior Strobe 110cd |
|  | Ceiling Mounted Interior Strobe 15cd |
|  | Ceiling Mounted Interior Strobe 30cd |
|  | Ceiling Mounted Interior Strobe 75cd |
|  | Ceiling Mounted Interior Strobe 95cd |
|  | Ceiling Mounted Interior Strobe 115cd |
|  | Ceiling Mounted Horn Strobe 15cd |
|  | Ceiling Mounted Horn Strobe 30cd |
|  | Ceiling Mounted Horn Strobe 75cd |
|  | Ceiling Mounted Horn Strobe 95cd |
|  | Ceiling Mounted Horn Strobe 115cd |
|  | Magnetic Door Holder (24V) |
|  | Water Flow Switch |
|  | Tamper Switch |
|  | Control Relay |
|  | Junction Box |

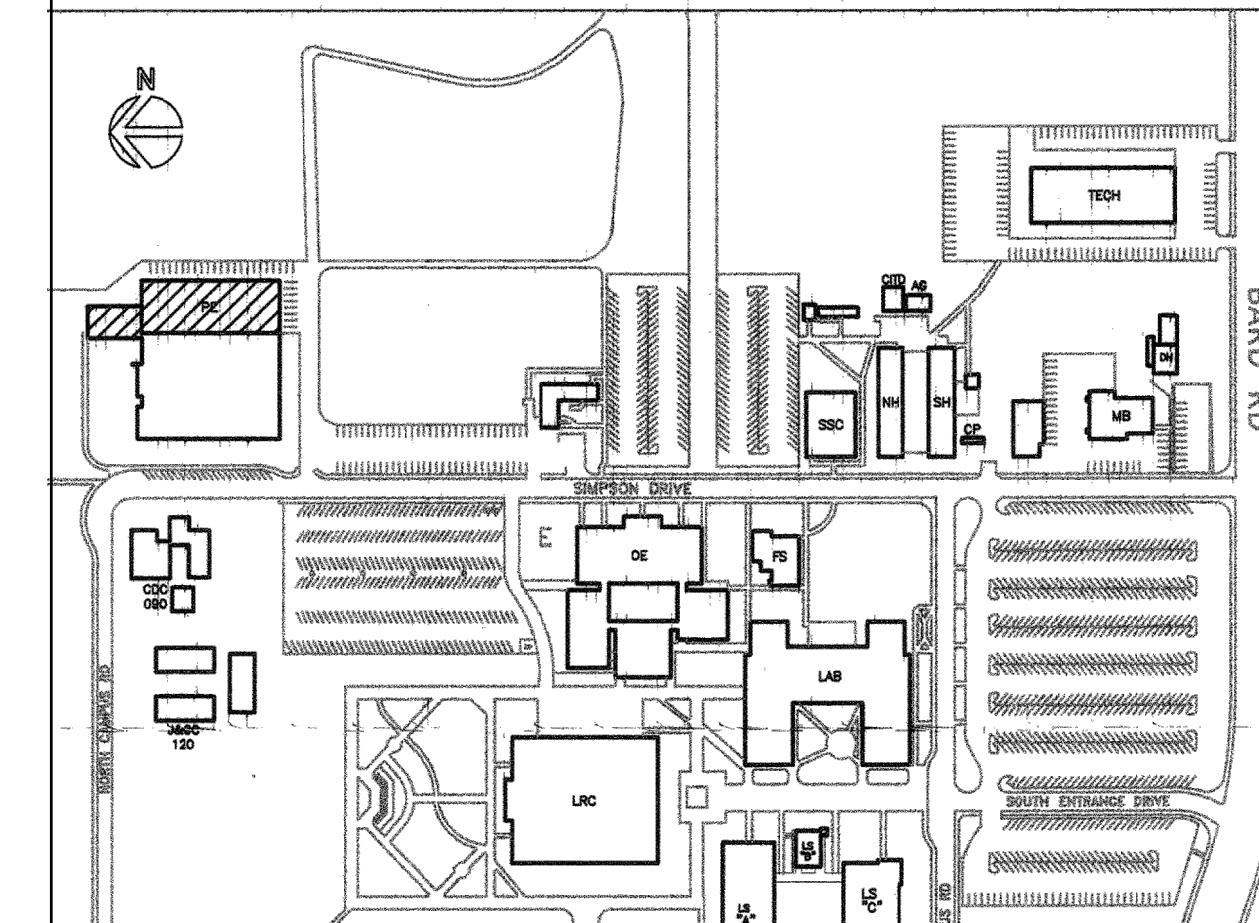
ABBREVIATIONS

- | | |
|------|-------------------------------------|
| A/P | Access Panel |
| ACS | All Clear System |
| ACW | All Clear Wiring |
| BBS | Back Box Skirt |
| CM | Control Module (AOM) |
| DH | (Magnetic) Door Holder |
| (E) | Existing |
| EH | Exterior Horn |
| EMP | Exterior Manual Pull Station |
| EP | Electrical Panel |
| ES | Exterior Siren |
| FA | Fire Alarm |
| FACP | Fire Alarm Control Panel |
| FATC | Fire Alarm Terminal Cabinet |
| FPL | Fire Alarm Power Limited Cable |
| H | Interior Horn |
| HS | Horn Strobe |
| DC | Initiation Device Circuit |
| IS | Interior Strobe |
| MP | Manual Pull Station Interior |
| MM | Monitor Module |
| (N) | New |
| PS | Notification Appliance Circuit |
| (R) | Remove |
| (RL) | Relocate |
| RTB | Remote Test Button (Duct Detectors) |
| SBB | Smoke Fire Detector |
| SM | NAC Synchronizing Module |
| SMR | Surface Mounted Raceway |
| TD | Thermal Detector |
| TS | Waterflow Tamper Switch |
| WP | Weather Proof |
| WF | Water Flow Switch |

FIRE ALARM WIRING NOTES

- | | | | |
|---|--------------------------------|---|---------------|
|  | 2#14 IDC |  | #14 (Network) |
|  | 4#14 IDC(S) | | |
|  | 2#12 NAC Horns | | |
|  | 4#12 NAC Horns | | |
|  | 2#12 NAC Strobes | | |
|  | 4#12 NAC Strobes | | |
|  | 2#12, 2#14, 1#12 (Common) Ann. | | |
|  | 2#12 (24VDC) | | |

LOCATION PLAN

[illegible]

LUBIN & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #5H
CARMILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519
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SHEET TITLE:

PROJECT:
BID 575, OXNARD COLLEGE
PE BUILDING FIRE ALARM
REPAIR PROJECT

OXNARD, CALIFORNIA 93033

4000 SOUTH ROSE AVENUE

DRAWN: L. K. / S. F.
CHECKED: K. L.
DATE: 03-04-2019
SCALE: AS NOTED
JOB NO. 18607
SHEET:

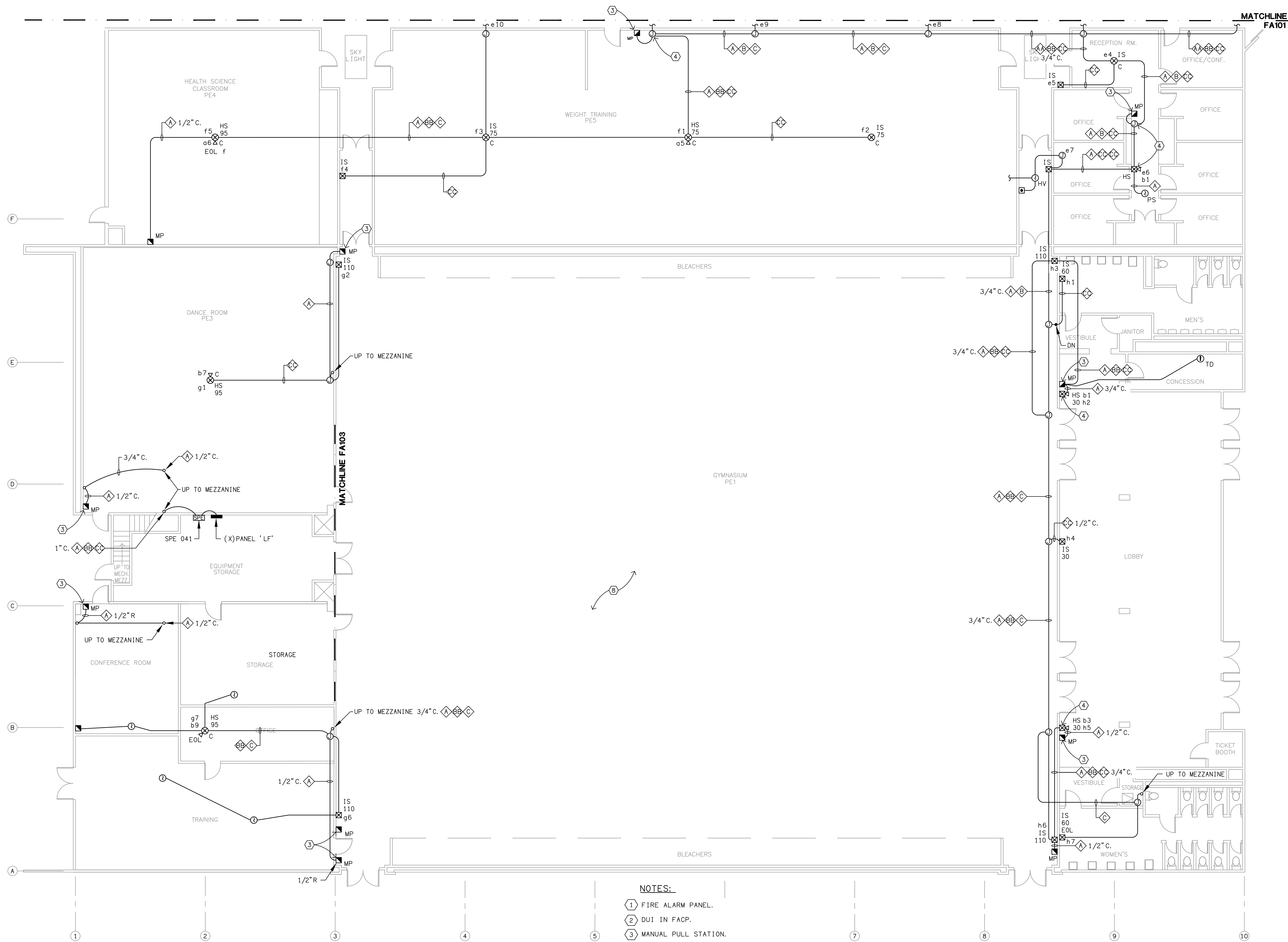
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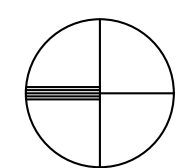
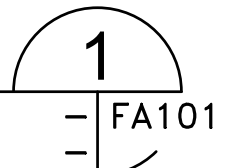
L.A.I.# 18607 PAPER SIZE 42"x30"

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FIRE ALARM PLAN - PHYSICAL EDUCATION BUILDING - WEST EXISTING F.A. CONDITIONS
SCALE: 1/8"=1'-0"

PROJECT
NORTH

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



A horizontal scale bar with alternating black and white segments. It is marked with the numbers 0, 4, 8, and 16, representing feet. The total length of the bar is 16 feet.

BASED ON AS BUILT PLANS
FROM RECORD DRAWINGS

REFERENCE ONLY
NOT TO SCALE

SYMBOL LIST

- | | |
|---|---|
|  | Remote Annunciator |
|  | Battery Cabinet |
|  | Fire Alarm Control Panel (Building) |
|  | Fire Alarm Terminal Cabinet |
|  | Campus Fire Alarm Control Panel |
|  | Signal Power Expander |
|  | Photoelectric Smoke Detector - Door Releasing |
|  | Photoelectric Smoke Detector W/Addressable Base |
|  | Duct Mounted Smoke Detector Addressable |
|  | Thermal Detector - Addressable Base |
|  | Manual Pull Station Interior |
|  | Manual Pull Station Exterior |
|  | Control Module Addressable |
|  | Monitor Module Addressable |
|  | Wall Mounted Horn - Exterior |
|  | Wall Mounted Horn - Interior |
|  | Wall Mounted Horn Strobe - Interior 15cd |
|  | Wall Mounted Horn Strobe - Interior 30cd |
|  | Wall Mounted Horn Strobe - Interior 75cd |
|  | Wall Mounted Horn Strobe - Interior 110cd |
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|  | Wall Mounted Interior Strobe 75cd |
|  | Wall Mounted Interior Strobe 110cd |
|  | Ceiling Mounted Interior Strobe 15cd |
|  | Ceiling Mounted Interior Strobe 30cd |
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|  | Ceiling Mounted Interior Strobe 95cd |
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|  | Ceiling Mounted Horn Strobe 30cd |
|  | Ceiling Mounted Horn Strobe 75cd |
|  | Ceiling Mounted Horn Strobe 95cd |
|  | Ceiling Mounted Horn Strobe 115cd |
|  | Magnetic Door Holder (24V) |
|  | Water Flow Switch |
|  | Tamper Switch |
|  | Control Relay |
|  | Junction Box |

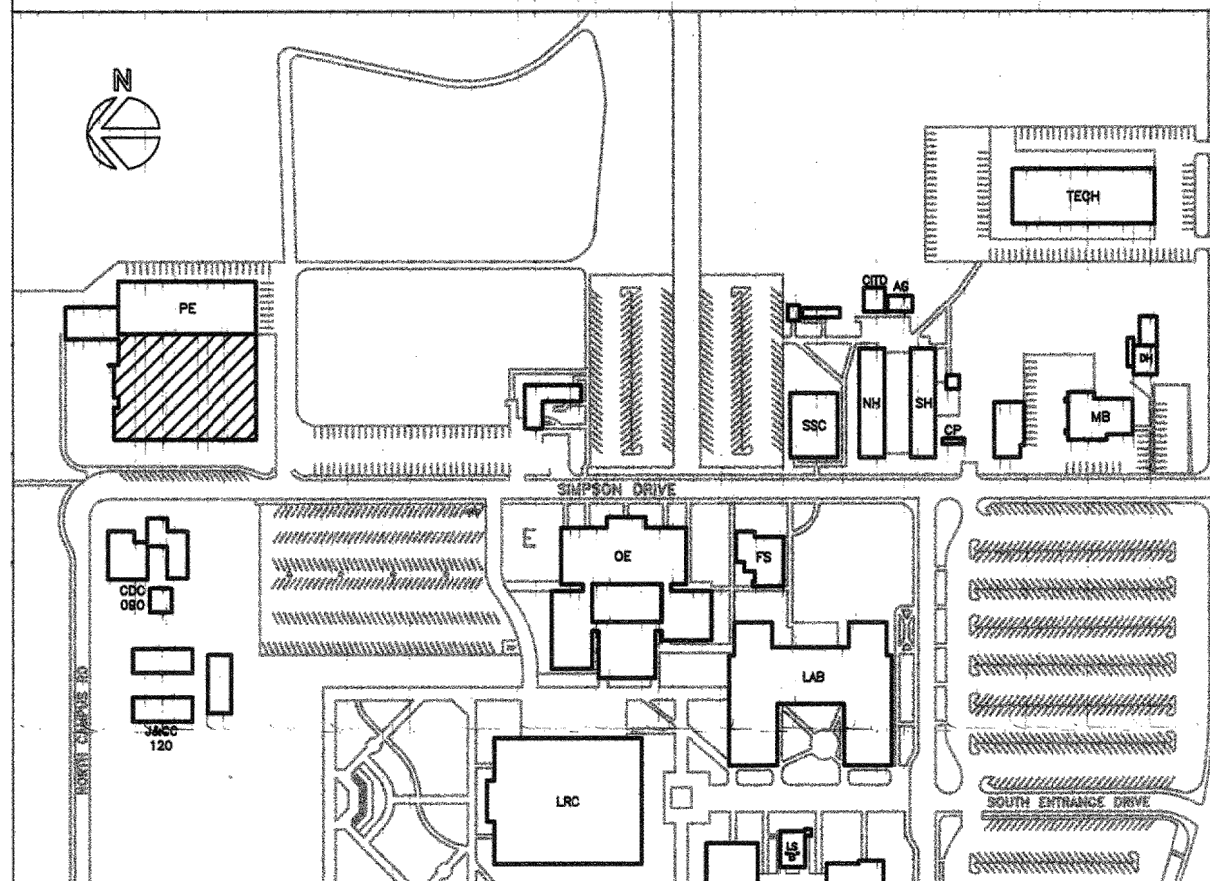
ABBREVIATIONS

- | | |
|------|-------------------------------------|
| A/P | Access Panel |
| ACS | All Clear System |
| ACS | All Clear Wiring |
| BBS | Back Box Skirt |
| CM | Control Module (ADM) |
| DH | (Magnetic) Door Holder |
| (E) | Existing |
| EH | Exterior Horn |
| EMP | Exterior Manual Pull Station |
| EP | Electrical Panel |
| ES | Exterior Siren |
| FA | Fire Alarm |
| FACP | Fire Alarm Control Panel |
| FACP | Fire Alarm Terminal Cabinet |
| FPL | Fire Alarm Power Limited Cable |
| H | Interior Horn |
| HS | Horn Strobo |
| IDC | Initiation Device Circuit |
| IS | Interior Strobo |
| MP | Manual Pull Station Interior |
| MM | Monitor Module |
| (N) | New |
| PS | Notification Appliance Circuit |
| (R) | Remove |
| (RL) | Relocate |
| RTB | Remote Test Button (Duct Detectors) |
| SBBS | Smoke Fire Detector |
| SM | NAC Synchronizing Module |
| SMR | Surface Mounted Raceway |
| TD | Time Delay Detector |
| TS | Waterflow Tempster Switch |
| WP | Weather Proof |
| WF | Water Flow Switch |

FIRE ALARM WIRING NOTES

- | | | | |
|----|--------------------------------|---|---------------|
| A | 2#14 IDC | N | #14 (Network) |
| A4 | 4#14 IDC(S) | | |
| B | 2#12 NAC Horns | | |
| B4 | 4#12 NAC Horns | | |
| C | 2#12 NAC Strobes | | |
| C4 | 4#12 NAC Strobes | | |
| D | 2#12, 2#14, 1#12 (Common) Ann. | | |
| E | 2#12 (24VDC) | | |

LOCATION PLAN

[illegible]

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**FIRE ALARM PLAN -
PHYSICAL EDUCATION
BUILDING - WEST
EXISTING F.A. CONDITIONS**

PROJECT:
BID 575, OXNARD COLLEGE
PE BUILDING FIRE ALARM
REPAIR PROJECT

OXNARD, CALIFORNIA 93033

DRAWN: L. K. / S. F.
CHECKED: K. L.
DATE: 03-04-2019
SCALE: AS NOTED
JOB NO. 18607
SHEET:

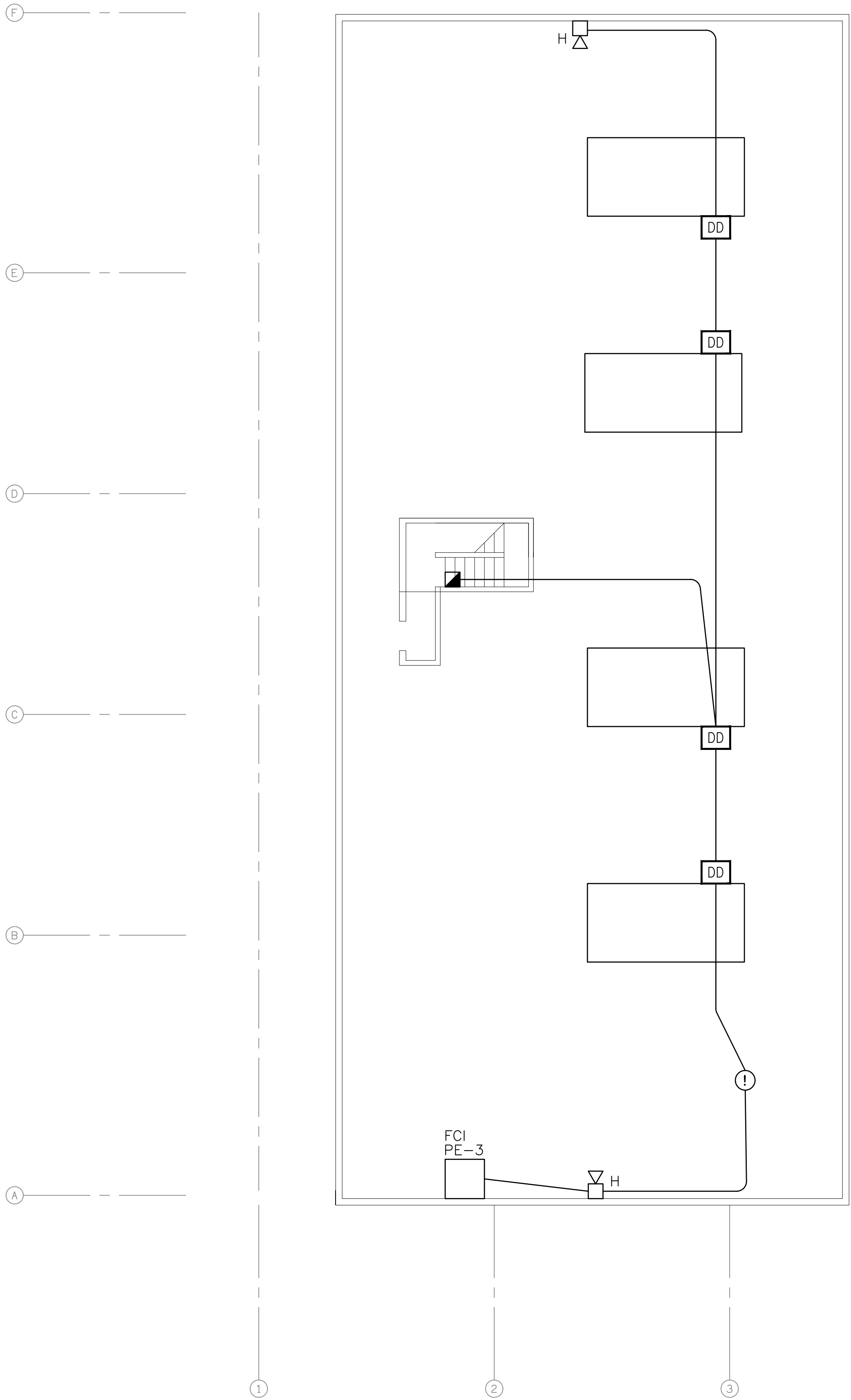
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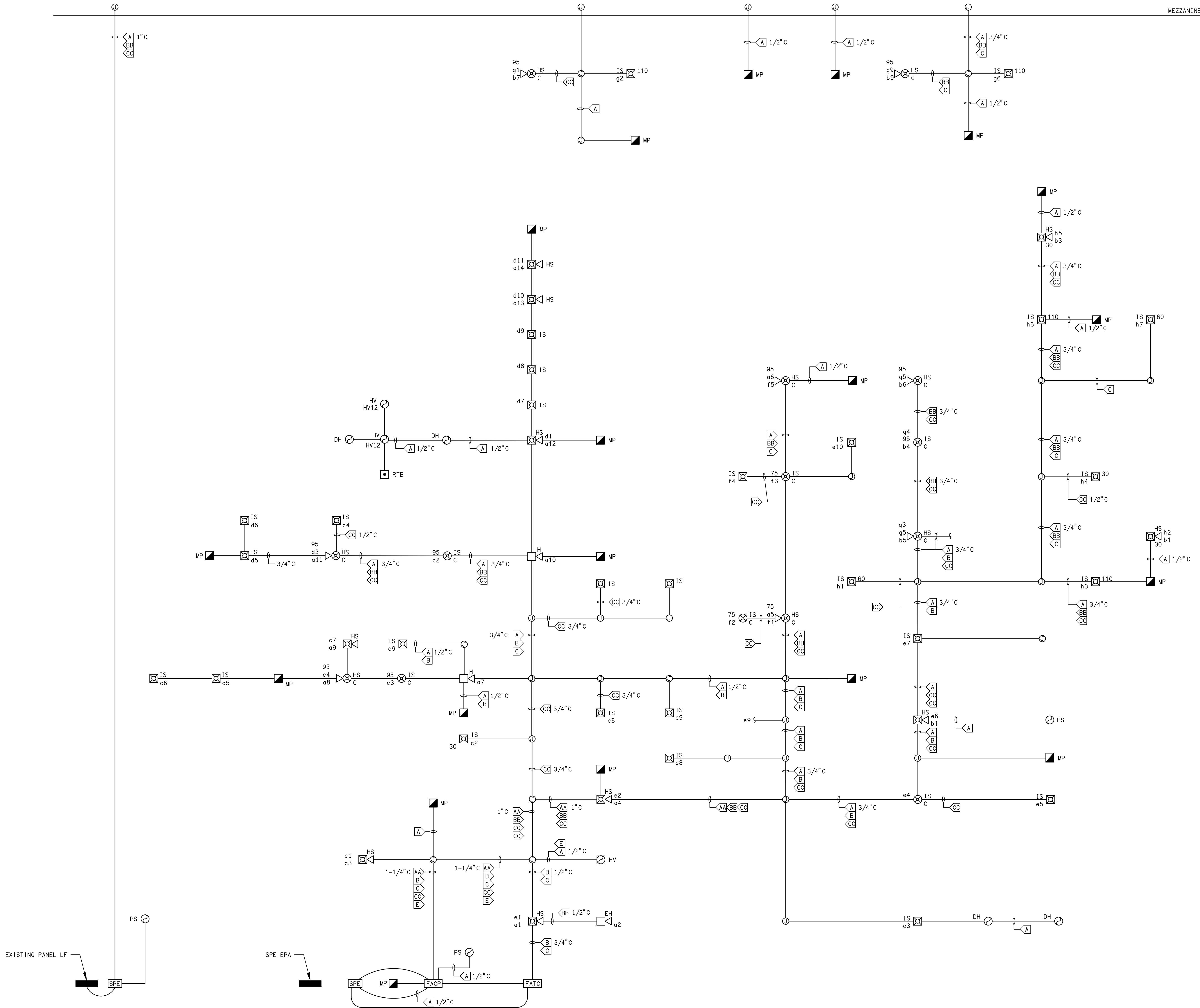
OF: SHEETS:

L.A.I.# 18607 PAPER SIZE 42"x30"

FIRE ALARM MEZZANINE PLAN - PHYSICAL EDUCATION BUILDING - NORTH EXISTING F.A. CONDITIONS

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





SYMBOL LIST

- FACP FIRE ALARM CONTROL PANEL
FATC FIRE ALARM TERMINAL CABINET
SPE SIGNAL POWER EXPANDER
DH PHOTOELECTRIC SMOKE DETECTOR - DOOR RELEASING
PS PHOTOELECTRIC SMOKE DETECTOR - W/ ADDRESSABLE BASE
HV DUCT MOUNTED SMOKE DETECTOR ADDRESSABLE
MP MANUAL PULL STATION INTERIOR
EH WALL MOUNTED HORN - EXTERIOR
H WALL MOUNTED HORN - INTERIOR
HS WALL MOUNTED HORN STROBE - INTERIOR 15cd
IS WALL MOUNTED INTERIOR STROBE - 15cd
IS95 CEILING MOUNTED INTERIOR STROBE - 95cd
HS95 CEILING MOUNTED HORN STROBE - 95cd
JB JUNCTION BOX

KEY NOTES:

- A 2#14 IDC
AA 4#14 IDC(S)
B 2#12 NAC HORNS
BB 4#12 NAC HORNS
C 2#12 NAC STROBES
CC 4#12 NAC STROBES
D 2#12, 2#14, 1#12 (COMMON) ANN.
E 2#12 (24VDC)

EXACT CONNECTION ROUTING DETAILS ARE UNKNOWN. ADDITIONAL DEVICES ARE INSTALLED IN THE FIELD WHICH ARE NOT SHOWN ON THIS RISER DIAGRAM

BASED ON AS BUILT PLANS
FROM RECORD DRAWINGS

FIRE ALARM RISER DIAGRAM - EXISTING F.A. CONDITIONS
SCALE: NONE

1
- FA110

REVISIONS	BY



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Web Site <http://www.lucelland.com>

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SHEET TITLE:

FIRE ALARM RISER DIAGRAM -
EXISTING F.A. CONDITION

PROJECT:

BID 575, OXNARD COLLEGE
PE BUILDING FIRE ALARM
REPAIR PROJECT

4000 SOUTH ROSE AVENUE OXNARD, CALIFORNIA 93033

DRAWN:
L. K. / S.F.

CHECKED:
K. L.

DATE:
03-04-2019

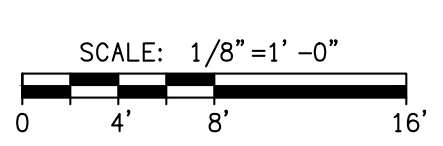
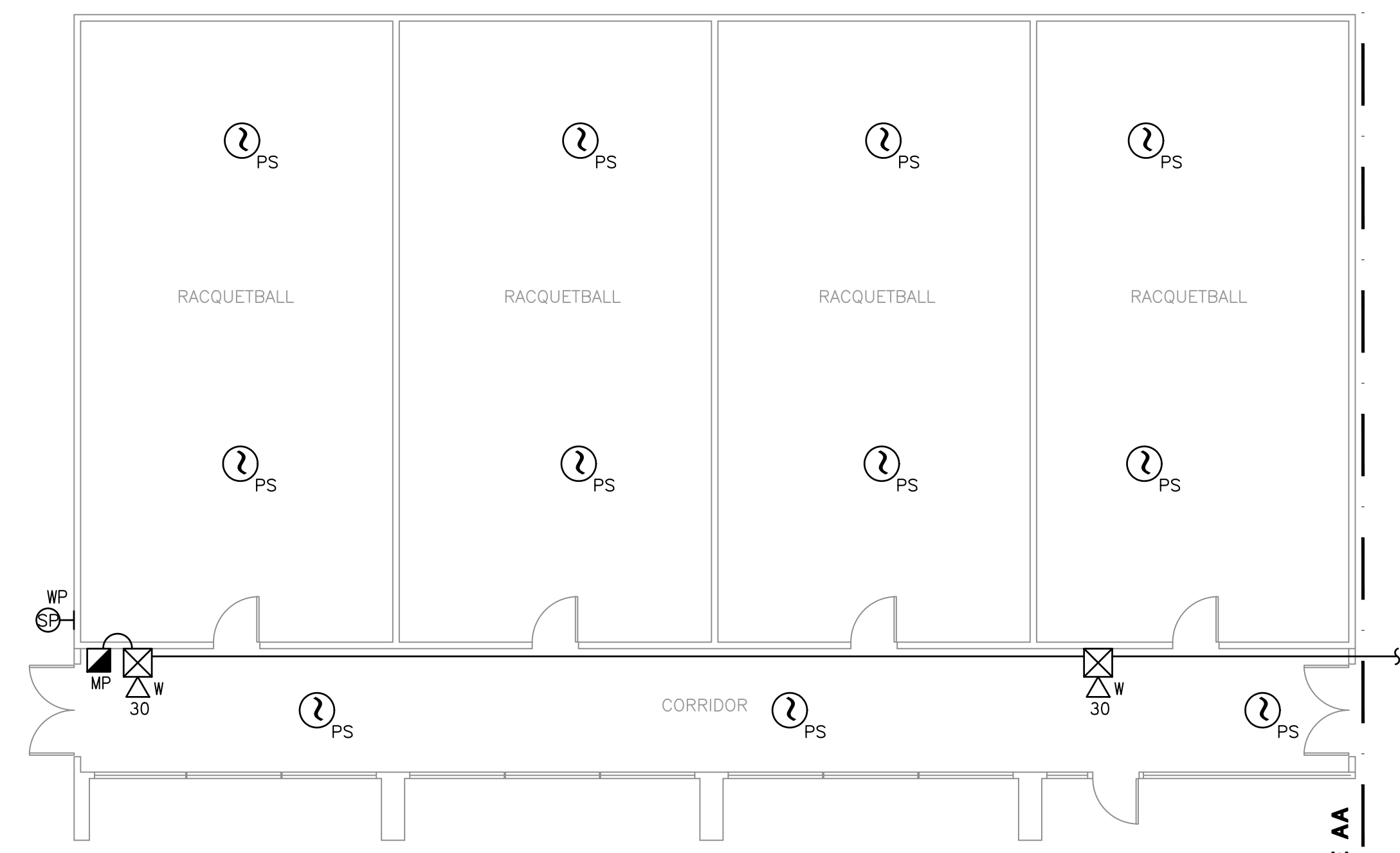
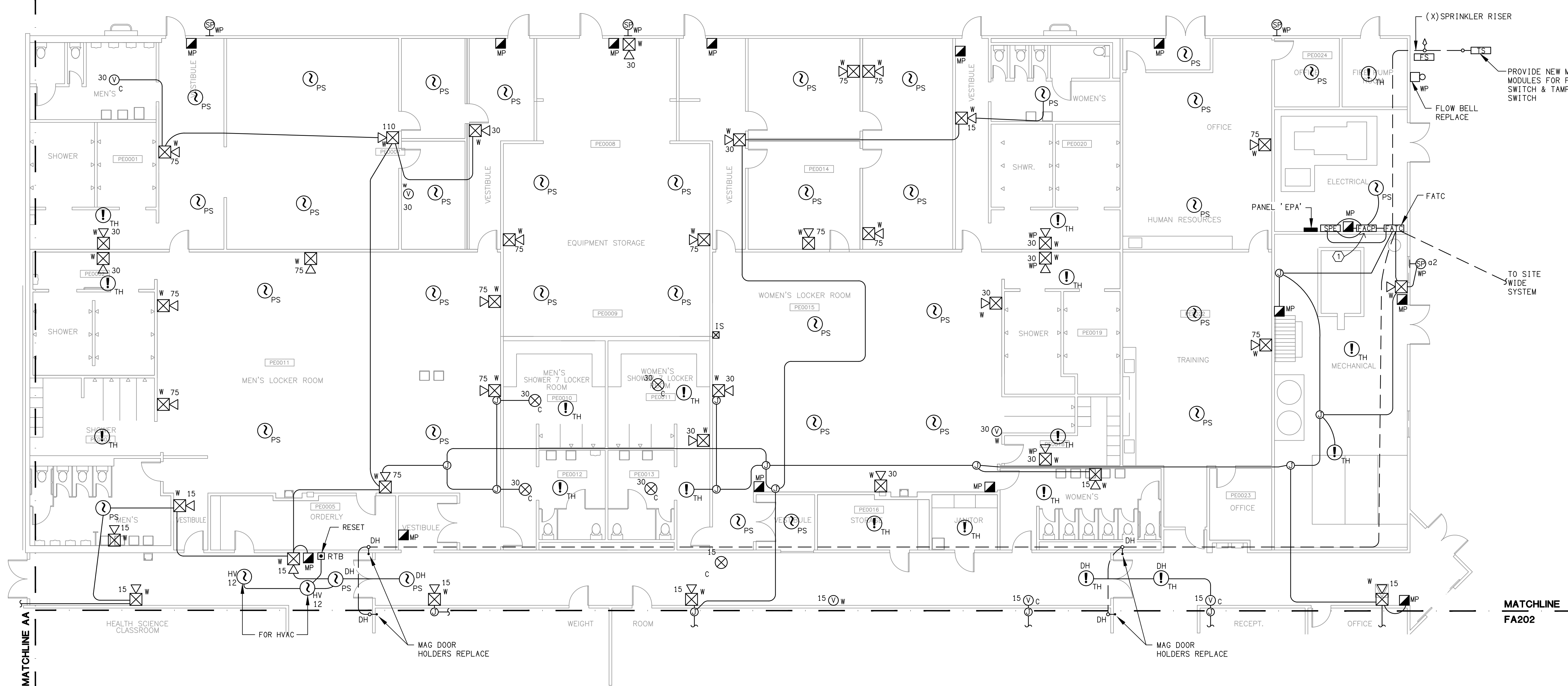
SCALE:
AS NOTED

JOB NO.
18607

SHEET:

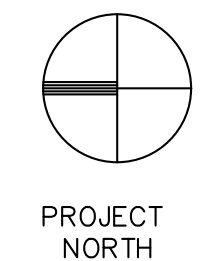
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OF SHEETS



FIRE ALARM PLAN - PHYSICAL EDUCATION BUILDING (NEW WORK)
SCALE: 1/8"=1'-0"

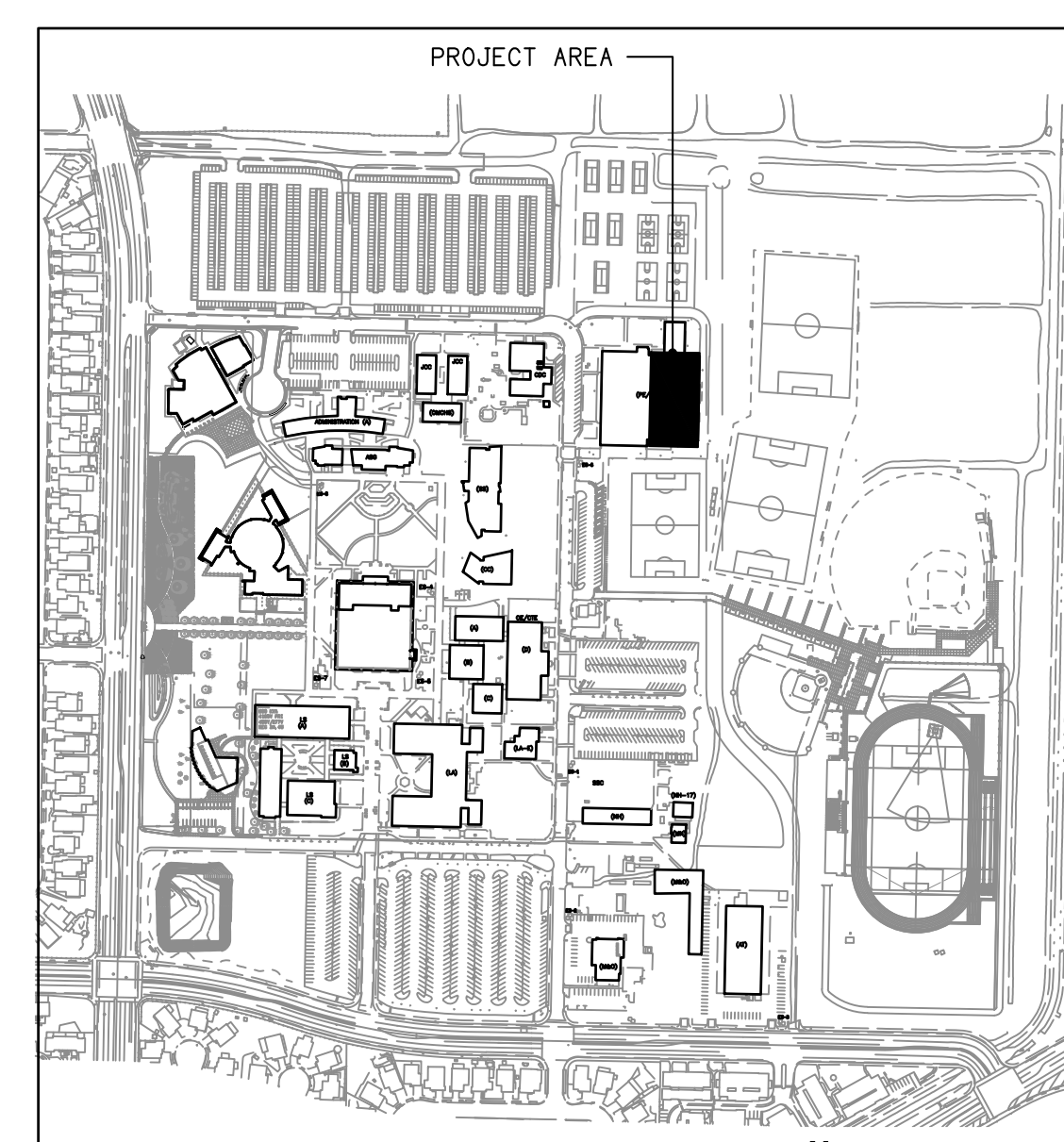
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- FA201



- SHEET NOTES:**
1. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
 2. 3/4" CONDUIT (PAINTED RED FOR NEW) MINIMUM UNLESS OTHERWISE NOTED.
 3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL FIRE ALARM CABLING PER CABLE MANUFACTURERS' RECOMMENDATIONS.
 4. MAXIMUM 270 DEGREE OF BEND BETWEEN PULL POINTS.
 5. UNIQUELY LABEL BOTH ENDS OF ALL CABLING.

ALL DEVICES SHOWN SHALL BE NEW AND CSFM LISTED (CURRENT YEAR)

CONTRACTOR TO VERIFY ROUTING OF EACH EXISTING CONDUIT AND REUSE, AS APPROPRIATE. ALL EXISTING CONDUIT WHILE MAINTAINING EXISTING DEVICE/EXISTING FA SYSTEM INTEGRITY. ALL CABLE TO BE USED ON THIS PROJECT SHALL BE 'NEW' DO NOT REUSE EXISTING FA CABLES.



REVISIONS	BY

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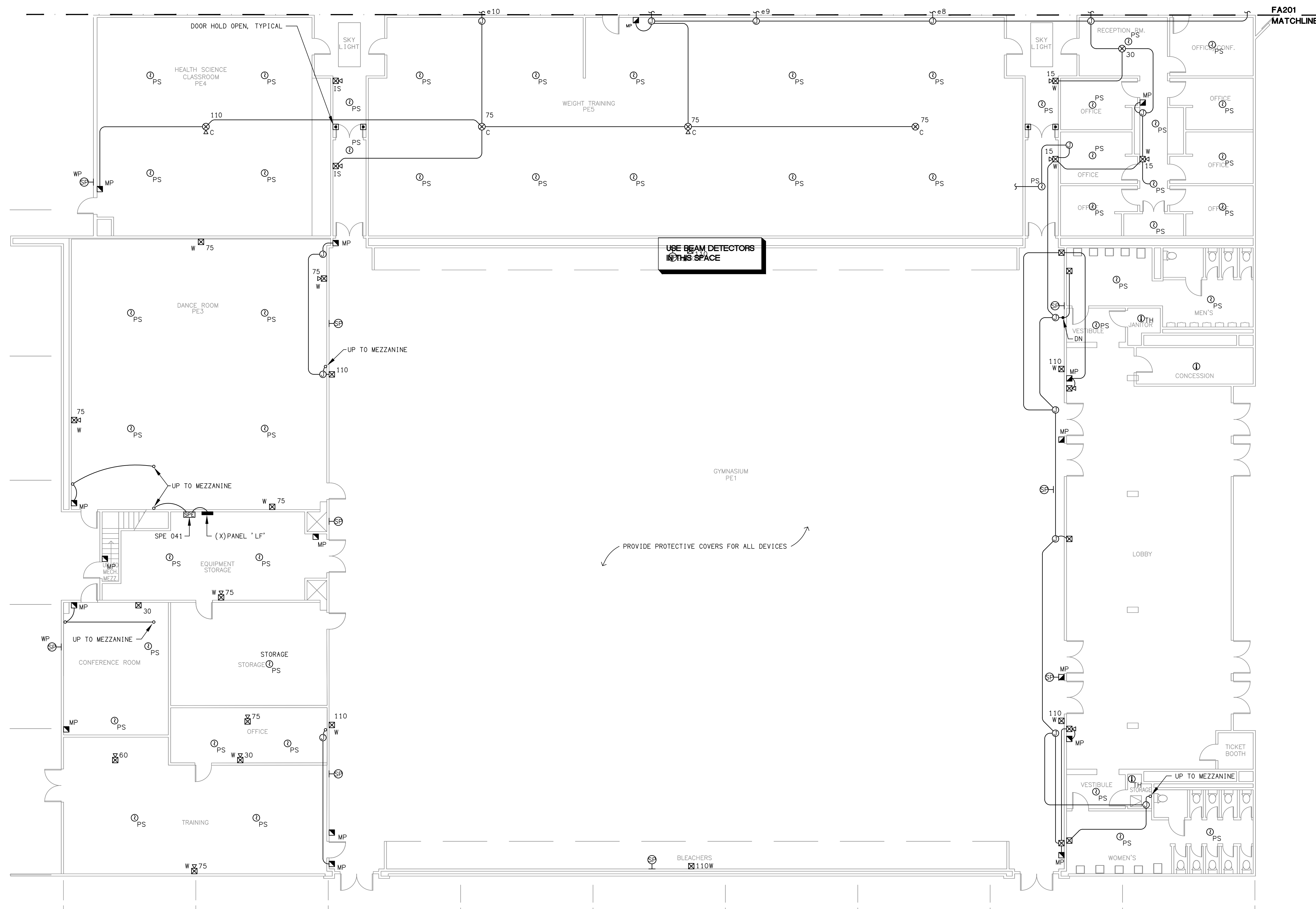
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SHEET TITLE:
FIRE ALARM PLAN -
PHYSICAL EDUCATION
BUILDING - EAST
(NEW WORK)

PROJECT:
BID 575, OXNARD COLLEGE
PE BUILDING FIRE ALARM
REPAIR PROJECT
4000 SOUTH ROSE AVENUE
OXNARD, CALIFORNIA 93033

DRAWN:
L. K. / S.F.
CHECKED:
K. L.
DATE:
03-04-2019
SCALE:
AS NOTED
JOB NO.
18607
SHEET:

FA201
OF SHEETS

[illegible]

FIRE ALARM PLAN - PHYSICAL EDUCATION BUILDING - WEST
SCALE: 1/8"=1'-0"

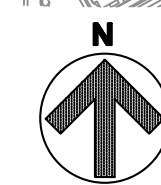
NEW F.A. WORK

1
- FA202
- ✓



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

KEY MAP

[illegible]

LUCIC & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
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Web Site <http://www.luciland.com>

SHEET TITLE:

**FIRE ALARM PLAN -
PHYSICAL EDUCATION
BUILDING - WEST
NEW F.A. WORK**

PROJECT: **BID 575, OXNARD COLLEGE
PE BUILDING FIRE ALARM
REPAIR PROJECT**

OXNARD, CALIFORNIA 93033

1000 SOUTH ROSE AVENUE

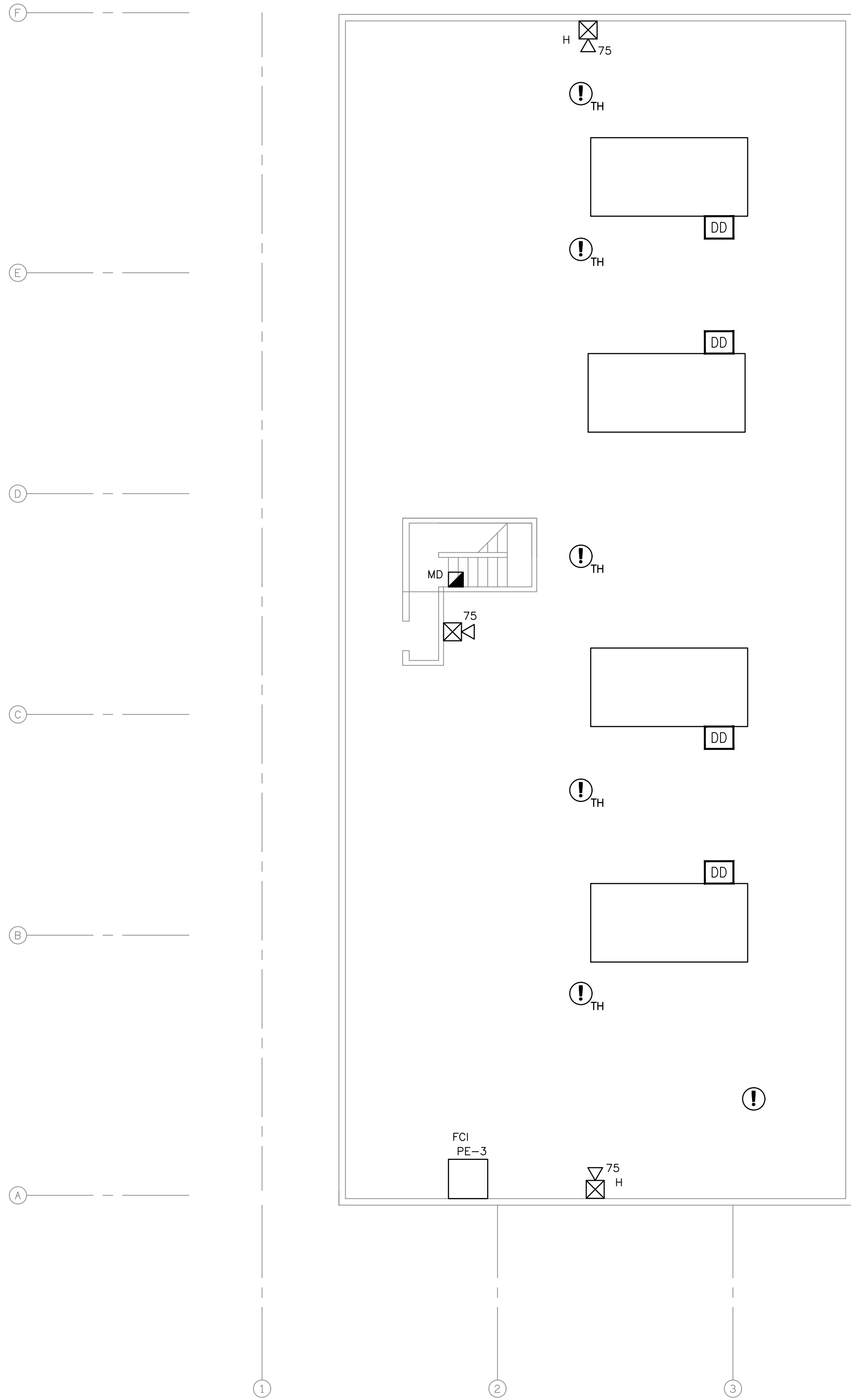
DRAWN: L. K. / S. F.
CHECKED: K. L.
DATE: 03-04-2019
SCALE: AS NOTED
JOB NO. 18607
SHEET:

FA202

OF: SHEETS:

FIRE ALARM MEZZANINE PLAN - PHYSICAL EDUCATION BUILDING - NORTH (NEW F.A. WORK)

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



1
FA203



SHEET NOTES:

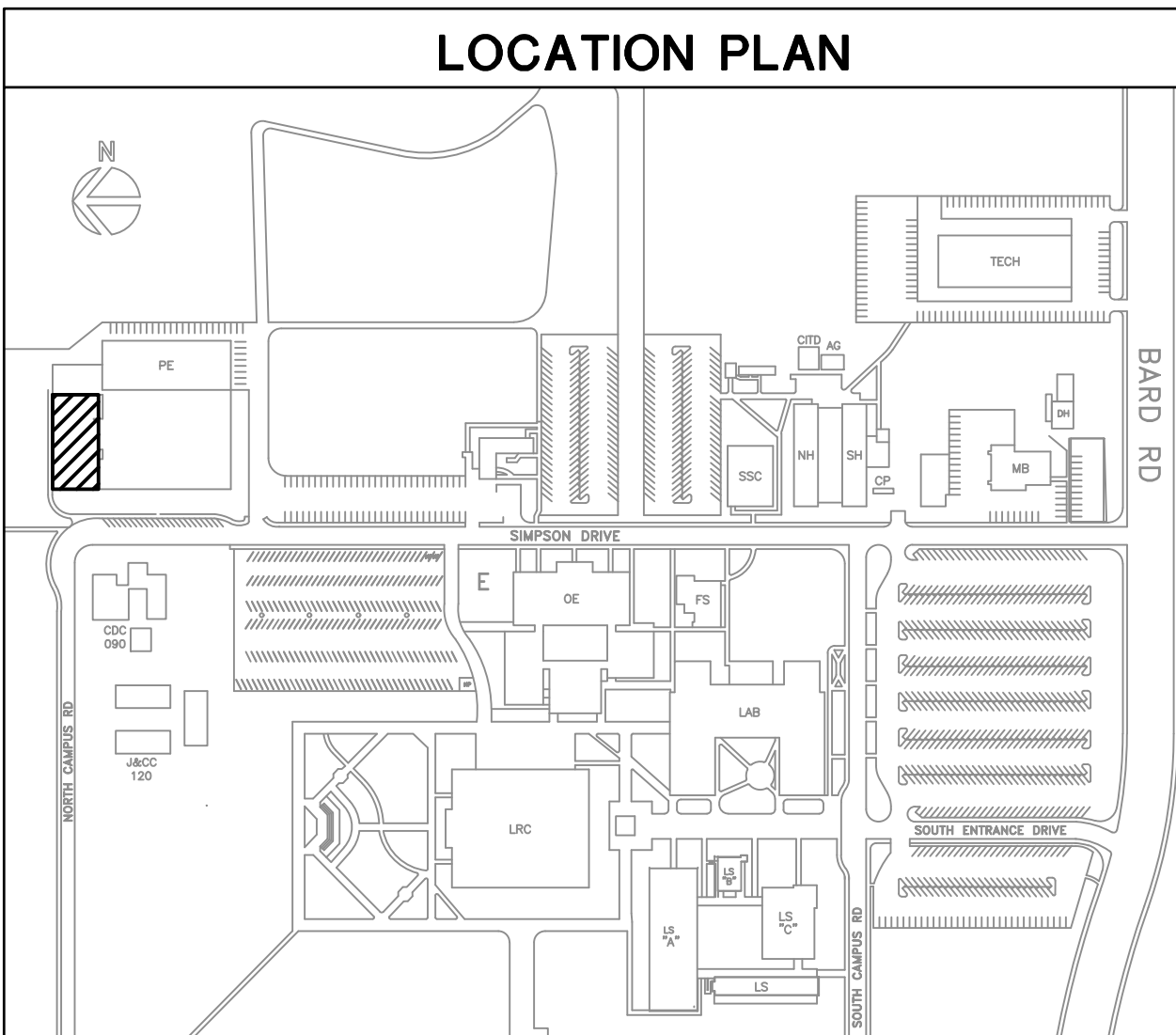
1. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
2. 3/4" CONDUIT (PAINTED RED FOR NEW) MINIMUM UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL COMMUNICATION CABLING PER CABLE MANUFACTURERS RECOMMENDATIONS.
4. MAXIMUM 270 DEGREE OF BEND BETWEEN PULL POINTS.
5. UNIQUELY LABEL BOTH ENDS OF ALL CABLING.

SHEET NOTES:

1 NEW DEVICE.

ALL DEVICES SHOWN SHALL BE NEW AND CSFM LISTED (CURRENT YEAR)

CONTRACTOR TO VERIFY ROUTING OF EACH EXISTING CONDUIT AND REUSE, AS APPROPRIATE, ALL EXISTING CONDUIT WHILE MAINTAINING EXISTING DEVICE/EXISTING FA SYSTEM INTEGRITY. ALL CABLE TO BE USED ON THIS PROJECT SHALL BE 'NEW' DO NOT REUSE EXISTING FA CABLES.



REVISIONS	BY
LUCI & ASSOCIATES, INC. CONSULTING ELECTRICAL ENGINEERS 2881 GATE MILPITAS, #204 MILPITAS, CA 95032-6004 (805) 389-6520 FAX (805) 389-6519 Web Site http://www.luciland.com LUCI & ASSOCIATES, INC. reserves their right to make changes to this drawing without notice and without liability. The user of this drawing shall be responsible for obtaining the necessary permits and approvals from the appropriate authorities. The user shall be responsible for obtaining the necessary permits and approvals from the appropriate authorities. The user shall be responsible for obtaining the necessary permits and approvals from the appropriate authorities.	
SHEET TITLE: FIRE ALARM MEZZANINE PLAN - PHYSICAL EDUCATION BUILDING - NORTH (NEW F.A. WORK)	
PROJECT: BID 575, OXNARD COLLEGE PE BUILDING FIRE ALARM REPAIR PROJECT	4000 SOUTH ROSE AVENUE OXNARD, CALIFORNIA 93033
DRAWN: L. K. / S. F.	CHECKED: K. L.
DATE: 03-04-2019	SCALE: AS NOTED
JOB NO. 18607	SHEET: FA203
OF	SHEETS