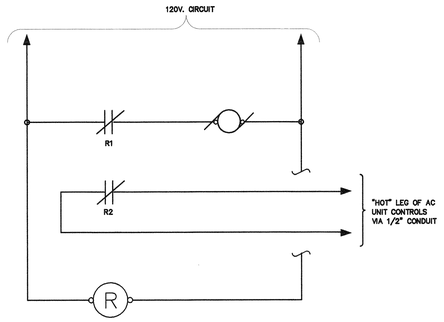
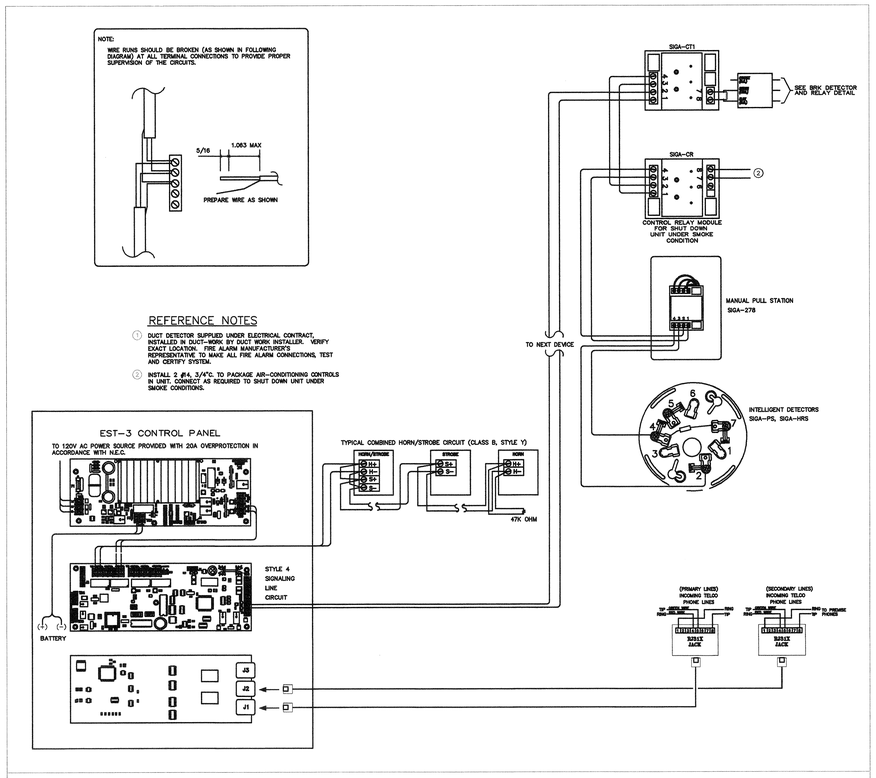
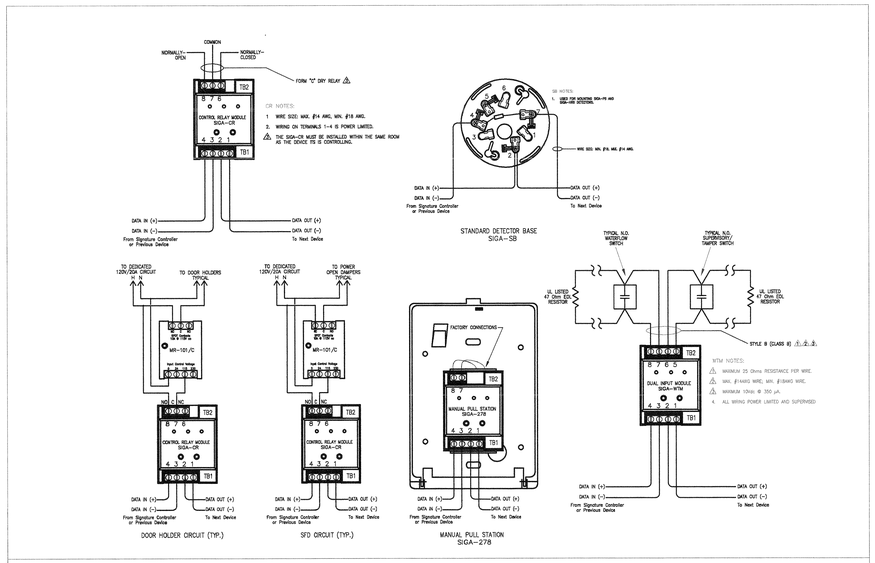


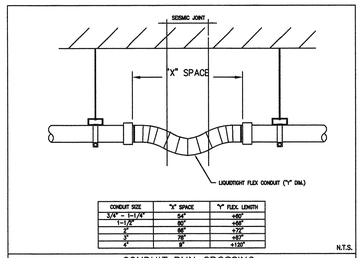
*FSD CONNECTION DIAGRAM (8)
NTS



FIRE ALARM POINT TO POINT WIRING DIAGRAM



TYPICAL DEVICE WIRING DIAGRAMS



CONDUIT SIZE	"X" SPACE	"Y" FLEX LENGTH
3/4" - 1-1/4"	54"	+60"
1-1/2"	60"	+66"
2"	66"	+72"
3"	78"	+84"
4"	9'	+120"

CONDUIT RUN CROSSING SEISMIC JOINT (TYP.)

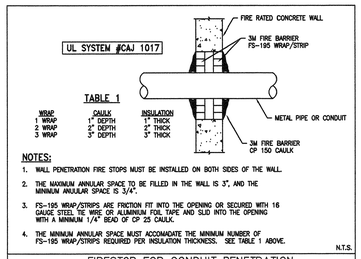
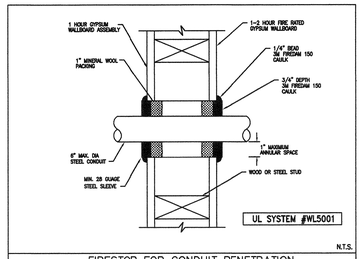


TABLE 1

WRAP	CAULK	INSULATION
1 WRAP	1" DEPTH	1" THICK
2 WRAP	2" DEPTH	2" THICK
3 WRAP	3" DEPTH	3" THICK

NOTES:
1. WALL PENETRATION FIRE STOPS MUST BE INSTALLED ON BOTH SIDES OF THE WALL.
2. THE MAXIMUM ANNULAR SPACE TO BE FILLED IN THE WALL IS 3", AND THE MINIMUM ANULAR SPACE IS 3/4".
3. FS-195 WRAP/STRIPS ARE FRICTION FIT INTO THE OPENING OR SECURED WITH 16 GAUGE STEEL TIE WIRE OR ALUMINUM FOIL TAPE AND SLID INTO THE OPENING WITH A MINIMUM 1/4" BEAD OF CP 25 CAULK.
4. THE MINIMUM ANNULAR SPACE MUST ACCOMADATE THE MINIMUM NUMBER OF FS-195 WRAP/STRIPS REQUIRED PER INSULATION THICKNESS. SEE TABLE 1 ABOVE.

FIRESTOP FOR CONDUIT PENETRATION THROUGH CONCRETE WALL

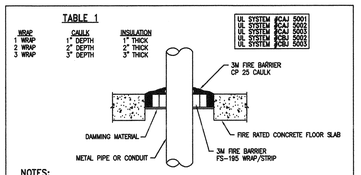


FIRESTOP FOR CONDUIT PENETRATION THROUGH GYPSUM BOARD

TABLE 1

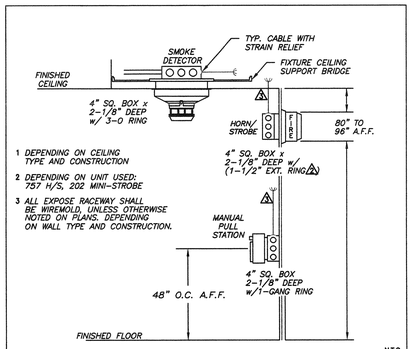
WRAP	CAULK	INSULATION
1 WRAP	1" DEPTH	1" THICK
2 WRAP	2" DEPTH	2" THICK
3 WRAP	3" DEPTH	3" THICK

UL SYSTEM #CAJ 5001
UL SYSTEM #CAJ 5002
UL SYSTEM #CAJ 5003
UL SYSTEM #CBJ 5002
UL SYSTEM #CBJ 5003



NOTES:
1. THE MAXIMUM ANNULAR SPACE TO BE FILLED IN THE FLOOR IS 3", AND THE MINIMUM ANULAR SPACE IS 3/4".
2. FS-195 WRAP/STRIPS ARE FRICTION FIT INTO THE OPENING OR SECURED WITH 16 GAUGE STEEL TIE WIRE OR ALUMINUM FOIL TAPE AND SLID INTO THE OPENING WITH A MINIMUM 1/4" BEAD OF CP 25 CAULK.
3. THE MINIMUM ANNULAR SPACE MUST ACCOMADATE THE MINIMUM NUMBER OF FS-195 WRAP/STRIPS REQUIRED PER INSULATION THICKNESS. SEE TABLE 1 ABOVE.

FIRESTOP FOR CONDUIT PENETRATION THROUGH CONCRETE FLOOR



TYPICAL DEVICE MOUNTING REQUIREMENTS

HMC ARHCITECTS
Architecture Interiors Planning
300 Capitol Mall, Suite 1230
Sacramento, California 95814
Telephone: 916 . 325 . 1100
Fax: 916 . 325 . 1118

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL PER DSA POLICY 95-03(FLS)

CONSULTANT SEAL

REGISTERED PROFESSIONAL ENGINEER J. RODGERS No. E-17951 Exp. 9-30-08 ELECTRICAL STATE OF CALIFORNIA

CONSULTANT

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KEY PLAN

AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04-106133
ACCESS FLS. 11/SS. 11
DATE DEC 3 8 2007

PROJECT TITLE

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT
777 NORTH "F" STREET
SAN BERNARDINO, CA. 92410

RAMONA-ALESSANDRO ELEMENTARY SCHOOL
MODERNIZATION
670 RAMONA AVENUE
SAN BERNARDINO, CA 92411

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NO.	REVISIONS	DATE	NO.	REVISIONS	DATE

DRAWING TITLE

FIRE ALARM WIRING DIAGRAM DETAILS

ARCHITECT SEAL

LICENSED ARCHITECT CHRISTOPHER BLOMQUIST TAYLOR No. C-19759 REN. 02-24-09 STATE OF CALIFORNIA

DESIGNED BM	PROJECT NO. 31137117-000
DRAWN RL	SCALE NO SCALE
CHECKED JJR	DRAWING NO. E-3.2
DATE	

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DCGA #20-03142

" BID ISSUANCE SET"