

ADDENDUM

Project: Shawnee HVAC Replacement

Property No.: 5258391

Addendum No.: 3

Project Address: 5001 W Shawnee Ave, Spokane, WA 99208

Date: June 12th, 2023

Owner: The Church of Jesus Christ of Latter-day Saints, a Utah corporation
sole

From (Engineer): Engineered Systems Associates

Instructions to Prospective Bidders:

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents and/or prior Addenda as noted below. All conditions, requirements, materials, and workmanship are to be as described in the Contract Documents unless specifically stated otherwise. This Addendum consists of 1 page(s) and 16 pg. attachment(s), for a total of 17 pages.

1. Changes to prior Addenda:

- a. None

2. Changes to Bidding Requirements:

- a. The bid date has been postponed until June 21, 2023. The time is to remain the same at 1:00 pm, Pacific Time.

3. Changes to Conditions of the Contract:

- a. None

4. Changes to Specifications:

- a. None

5. Changes to Drawings:

- a. It has been requested to provide Mechanical & Electrical as-builts to bid this project. Attached to this addendum contains these as-builts.
- b. On sheet ME-2, Item 4 in the air cooled condensing unit schedule to now state "SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS. 13 SEER MINIMUM."

End of Addendum

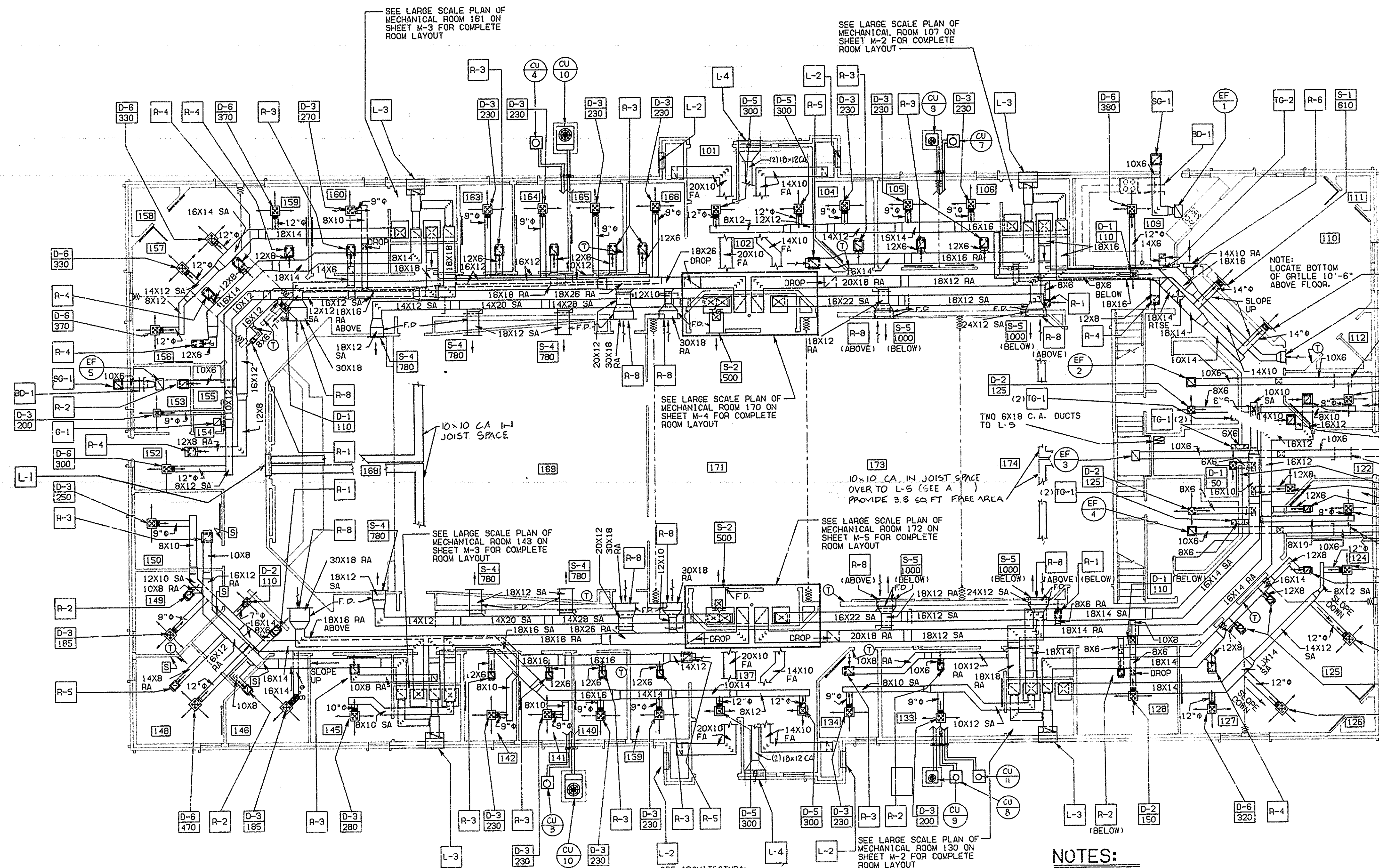


THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
3rd & 7th Wards/Spokane North Side
W. 8001 Shawano Av. n/w/Spokane, WA

warren cummings hayman & partners, p.c.
a r c h i t e c t s
north 100 parkside plaza
spokane, washington 99201 (809)338-2701

SHEET TITLE
MECHANICAL FLOOR PLAN

PROJECT NUMBER
DEVELOPMENT NUMBER
SHEET NO.
M-1



MECHANICAL FLOOR PLAN
SCALE: 1/8"=1'-0"

FRESH AIR BALANCE SCHEDULE			
MARK	BALANCE TO CFM	MARK	BALANCE TO CFM
F-1	250	F-7	245
F-2	245	F-8	275
F-3	100	F-9	645
F-4	230	F-10	* 865
F-5	225	F-11	295
F-6	165		

* PER TAND-EM SET OF FURNACES

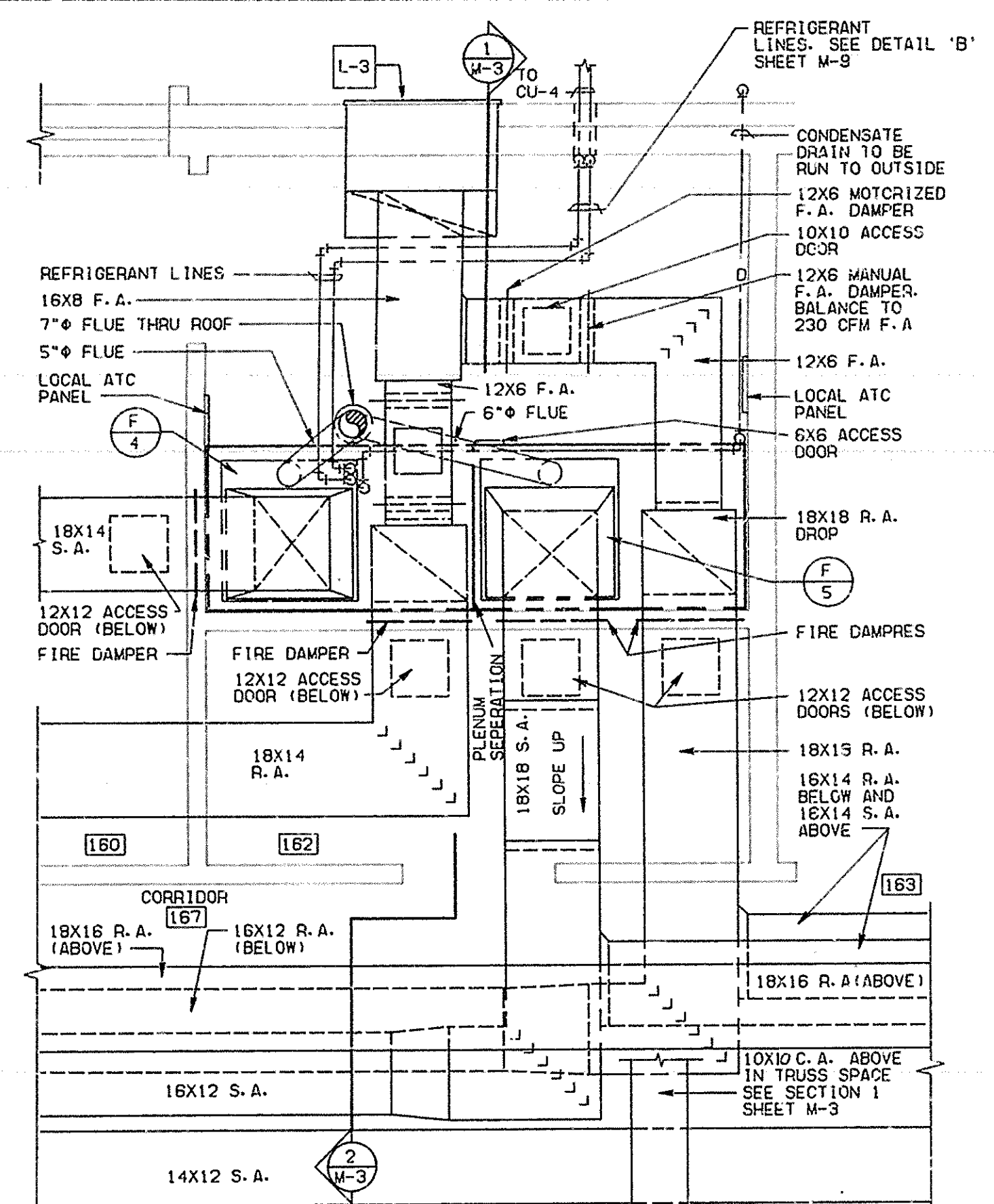
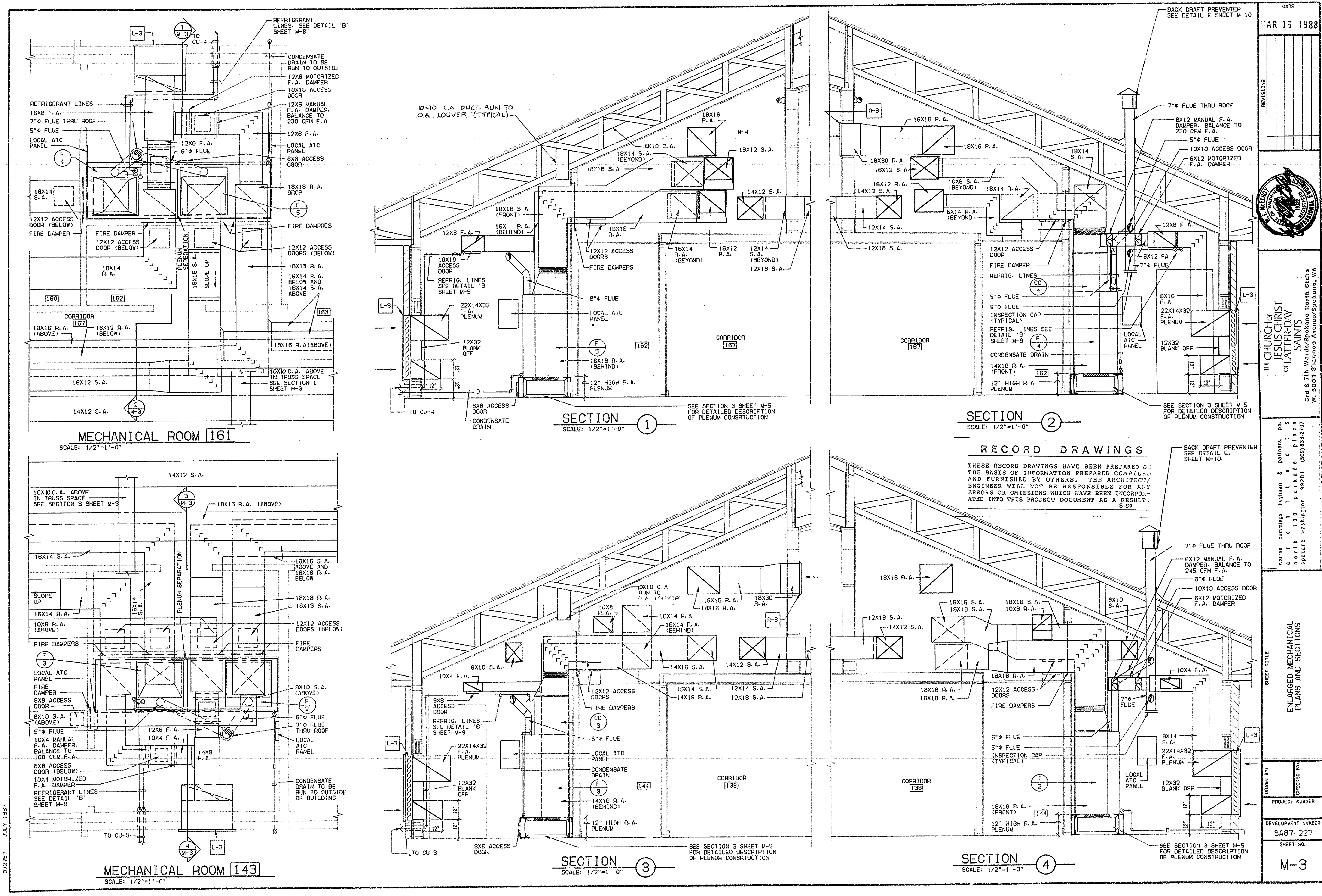
DESIGN CONDITIONS	OUTSIDE	INSIDE
WINTER	-10°F	70°F
SUMMER	92°F db, 63°F wb	78°F db, 64°F wb

NOTE:
DUE TO THE CLOSE PROXIMITY OF THE DUCTWORK, WATER PIPING AND VENT PIPING, THE MECHANICAL CONTRACTOR WILL NEED TO COORDINATE WITH THE FRAMER, SHEET METAL AND PLUMBING CONTRACTOR FOR ALL CONCEALED WORK WITHIN JOIST SPACE OVER REST ROOM AREA. SEE SECTIONS 1/P-3, 1/W-6, 2/M-6 AND 3/M-6. ALSO, PLEASE NOTE THE BOTTOM SUPPLY DUCT TAKE-OFFS AND VOLUME DAMPERS IN THIS AREA.

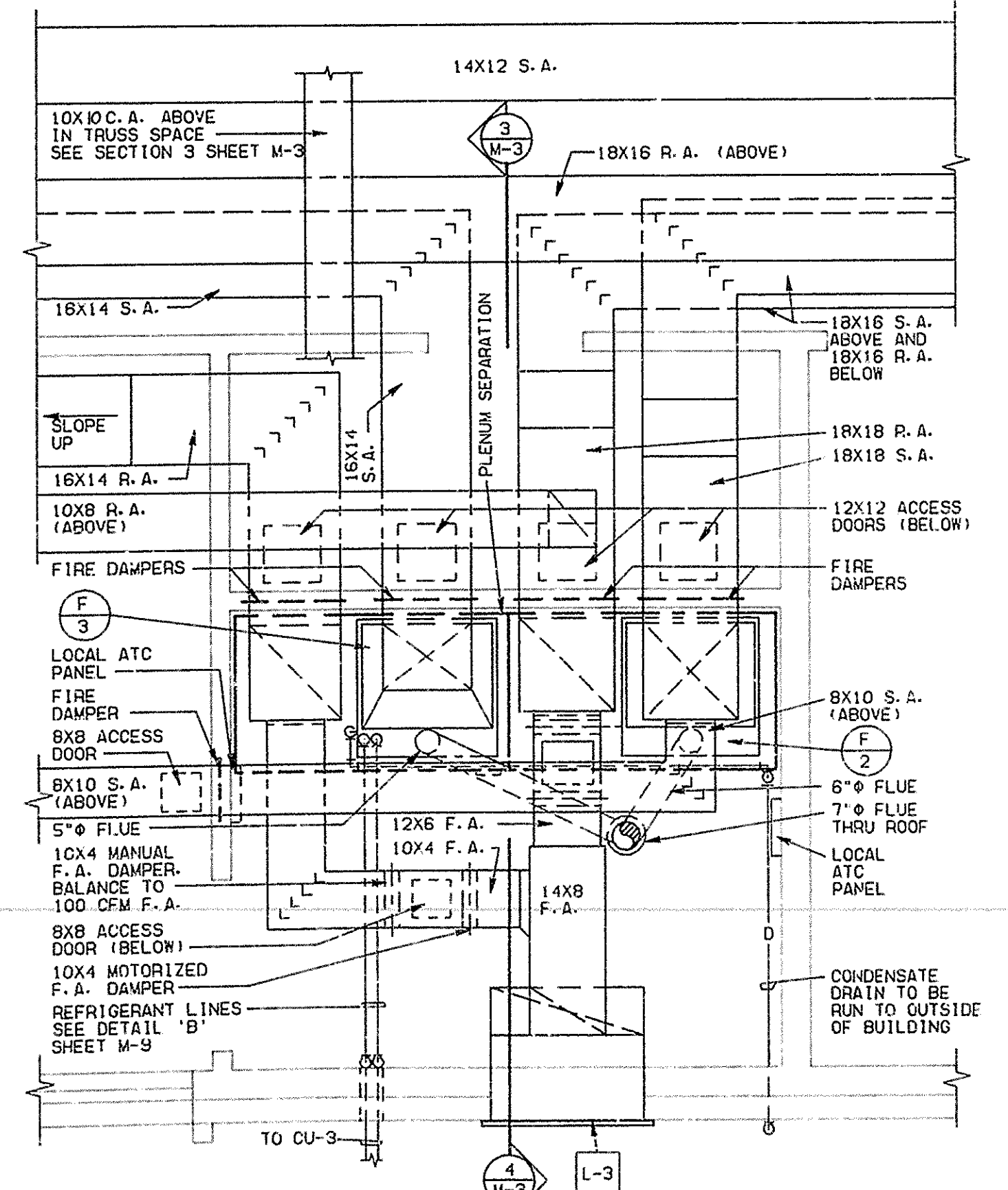
RECORD DRAWINGS
THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT ASSUMES NO LIABILITY FOR ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.
8-89

SYMBOL	DESCRIPTION
	BRANCH DUCT TAKE-OFF SEE DETAIL (B) (W-8)
	RETURN AIR DUCT TAKE-OFF SEE DETAIL (F) (W-8)
	TURNING VANES
	DUCT TEE CONNECTION
	DUCT TRANSITION
	OPPOSED BLADE VOLUME DAMPER W/ CONCEALED CEILING DAMPER REGULATOR
(T)	THERMOSTAT
(S)	REMOTE SENSOR
R. A.	RETURN AIR
S. A.	SUPPLY AIR
F. A.	FRESH AIR
C. A.	COMBUSTION AIR
M. A.	MIXED AIR
F. D.	FIRE DAMPER

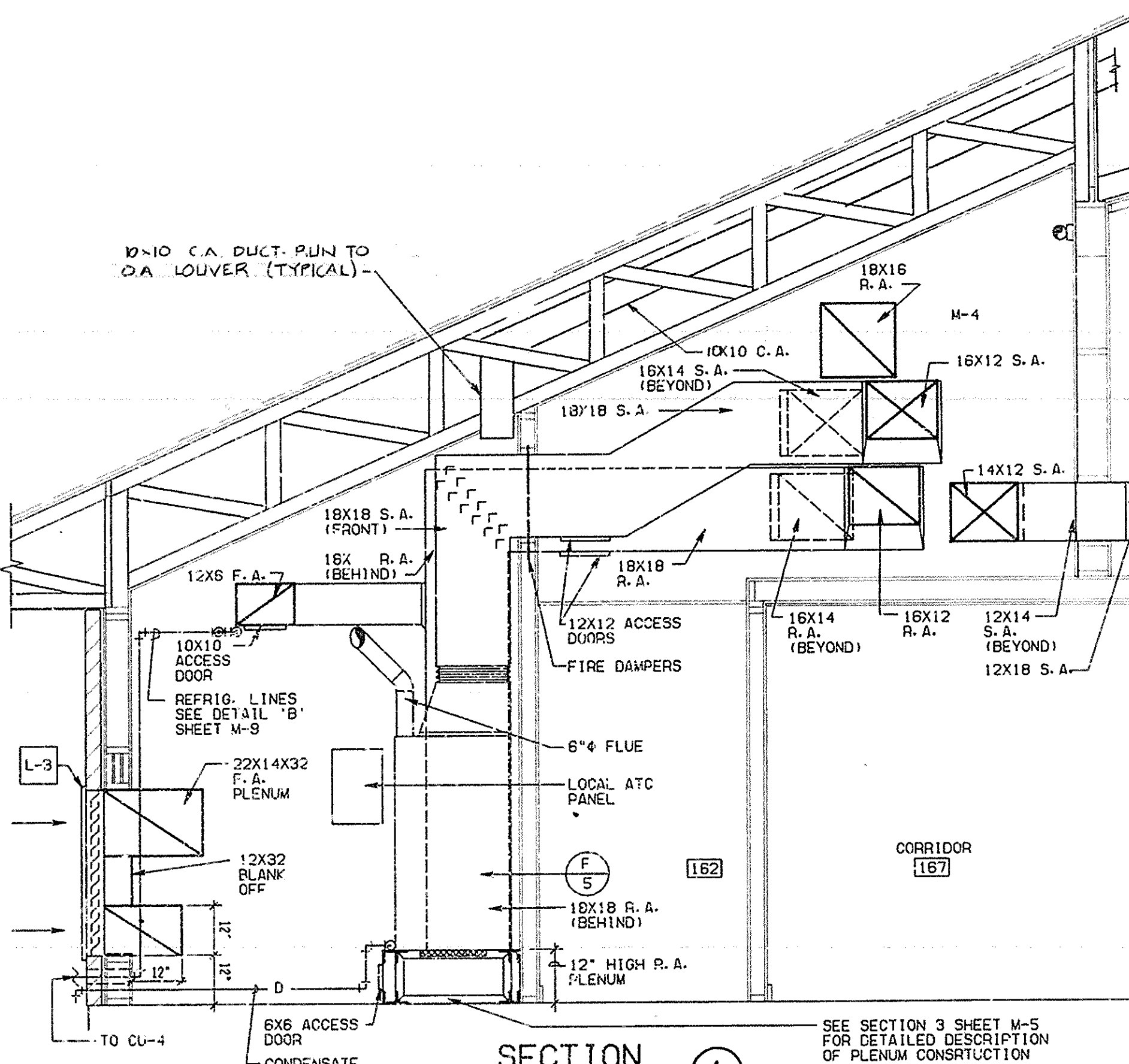
- NOTES:**
- 1-FOR PENETRATION OF PIPING AND DUCTWORK THRU VAPOR BARRIER. SEE DETAIL SHEET A-18.
 - 2-MOUNT ALL (T) AND (S) 4'-6" ABOVE FLOOR.
 - 3-FIRE DAMPERS AND FIRE DAMPER INSTALLATION SHALL CONFORM TO LOCAL CODE REQUIREMENTS.
 - 4-ALL DUCT DIMENSIONS SHOWN ARE CLEAR DIMENSIONS INSIDE DUCT LINER.
 - 5-PROVIDE FIRE DAMPERS AT CEILING PENETRATIONS TO CORRIDOR AND FOYER CEILING DIFFUSERS.
 - 6-ALL FILTERS SHALL BE INSTALLED SO THEY MAY BE EASILY REMOVED AND REPLACED.
 - 7-SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF GRILLES AND DIFFUSERS.
 - 8-FLUES ARE NOT SHOWN FOR CLARITY. SEE LARGE SCALE MECHANICAL ROOM AND NOTES SHEETS M-2, M-3, M-4 AND M-5.
 - 9-CONDENSING UNITS AND GAS METER SHALL BE PLACED ON 4" THICK CONCRETE PAD. PAD TO BE A MIN. OF 6" LARGER ALL AROUND EQUIPMENT SIZE. COORDINATE WITH MECHANICAL.
 - 10-SET ALL RETURN AIR GRILLES WITH SLOPED PORTION (VANES) OF GRILLES TOWARDS THE INTERIOR WALL.
 - 11-FOR INSTALLATION OF SUPPLY AIR BRANCH DUCT RUNOUTS. SEE DETAIL B/M-8.
 - 12-DO NOT PLACE CONDENSING UNITS UNDER ROOF DRIP EDGE OR VALLEYS.



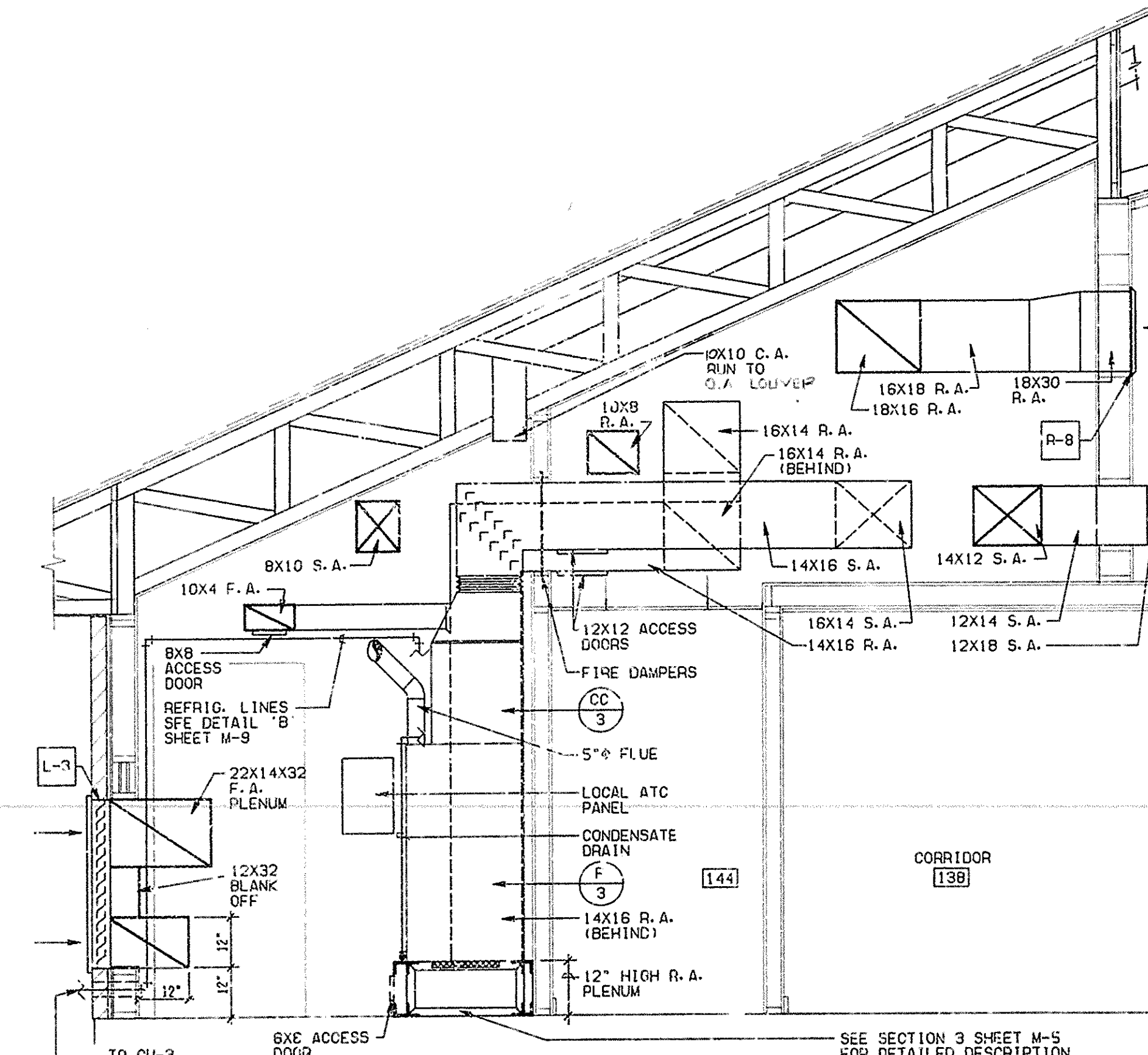
MECHANICAL ROOM 161
SCALE: 1/2"=1'-0"



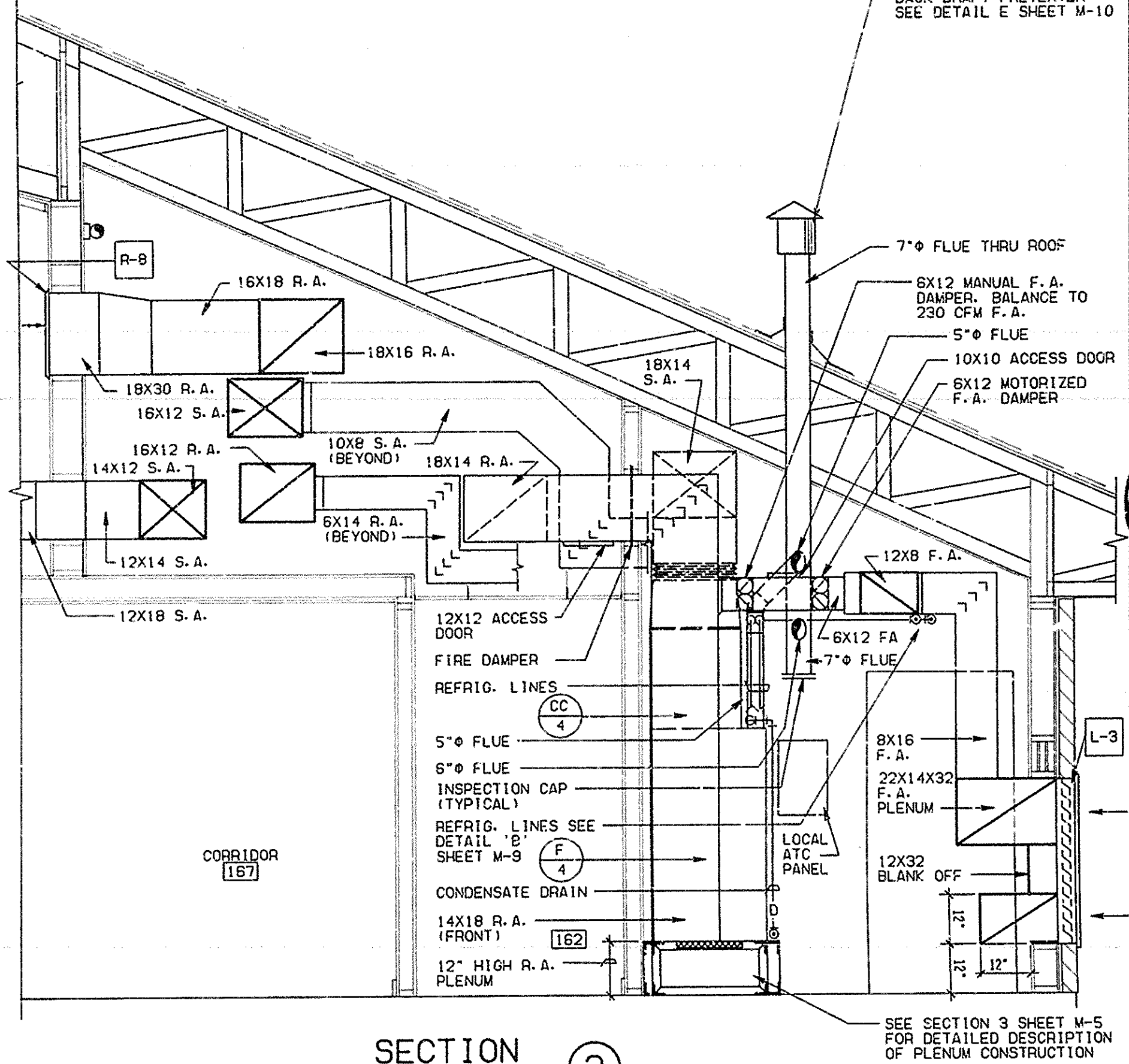
MECHANICAL ROOM 143
SCALE: 1/2"=1'-0"



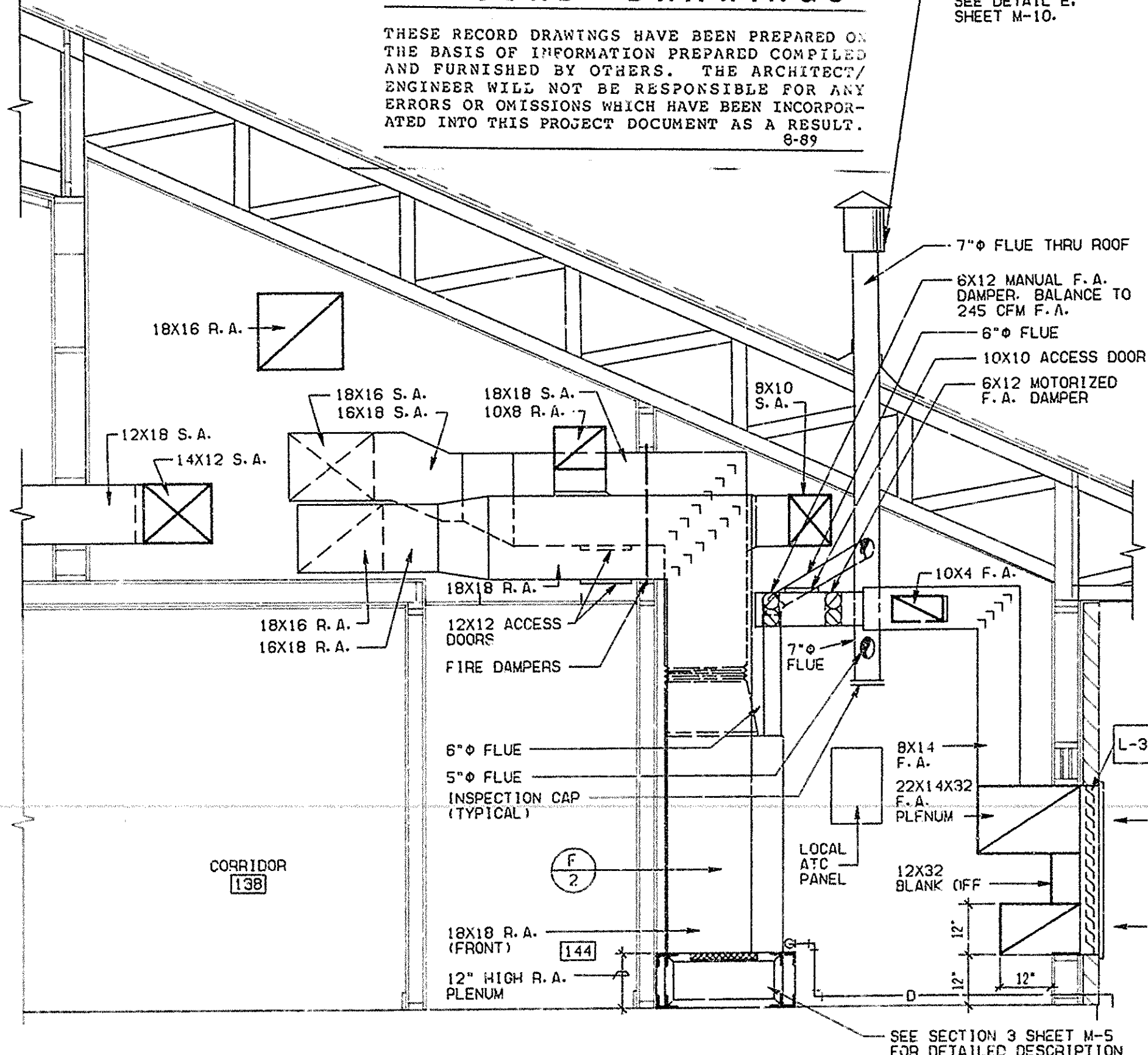
SECTION 1
SCALE: 1/2"=1'-0"



SECTION 3
SCALE: 1/2"=1'-0"



SECTION 2
SCALE: 1/2"=1'-0"



SECTION 4
SCALE: 1/2"=1'-0"

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.

DATE: **MAR 15 1988**

REVISIONS:

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
3rd & 7th Wards/Spookane North Side
W. 5001 Shawnee Avenue/Spookane, WA

ENLARGED MECHANICAL PLANS AND SECTIONS

PROJECT NUMBER: **SAB7-227**

DEVELOPMENT NUMBER: **SAB7-227**

SHEET NO.: **M-3**

DATE
MAR 16 1987

NO.	REVISIONS



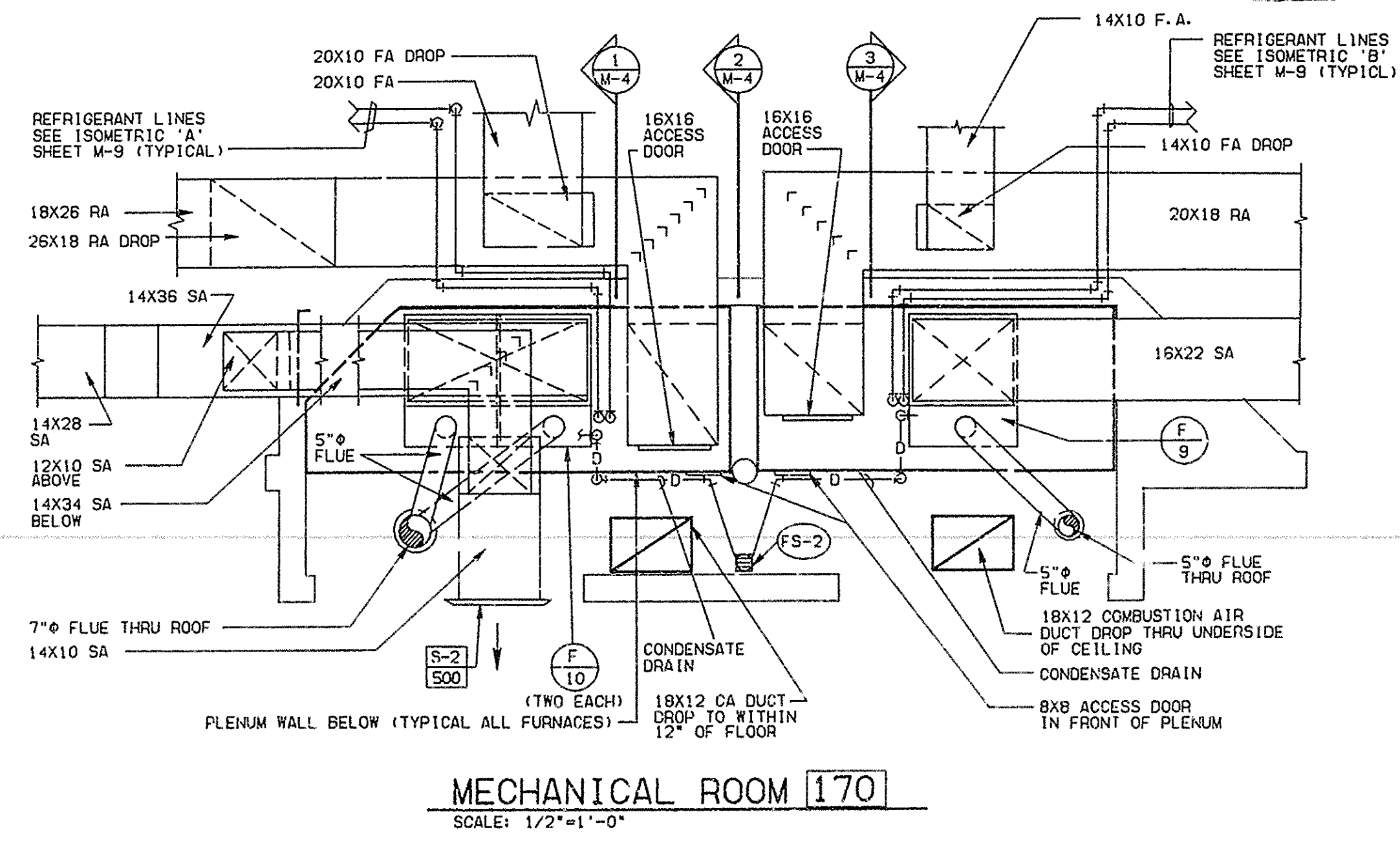
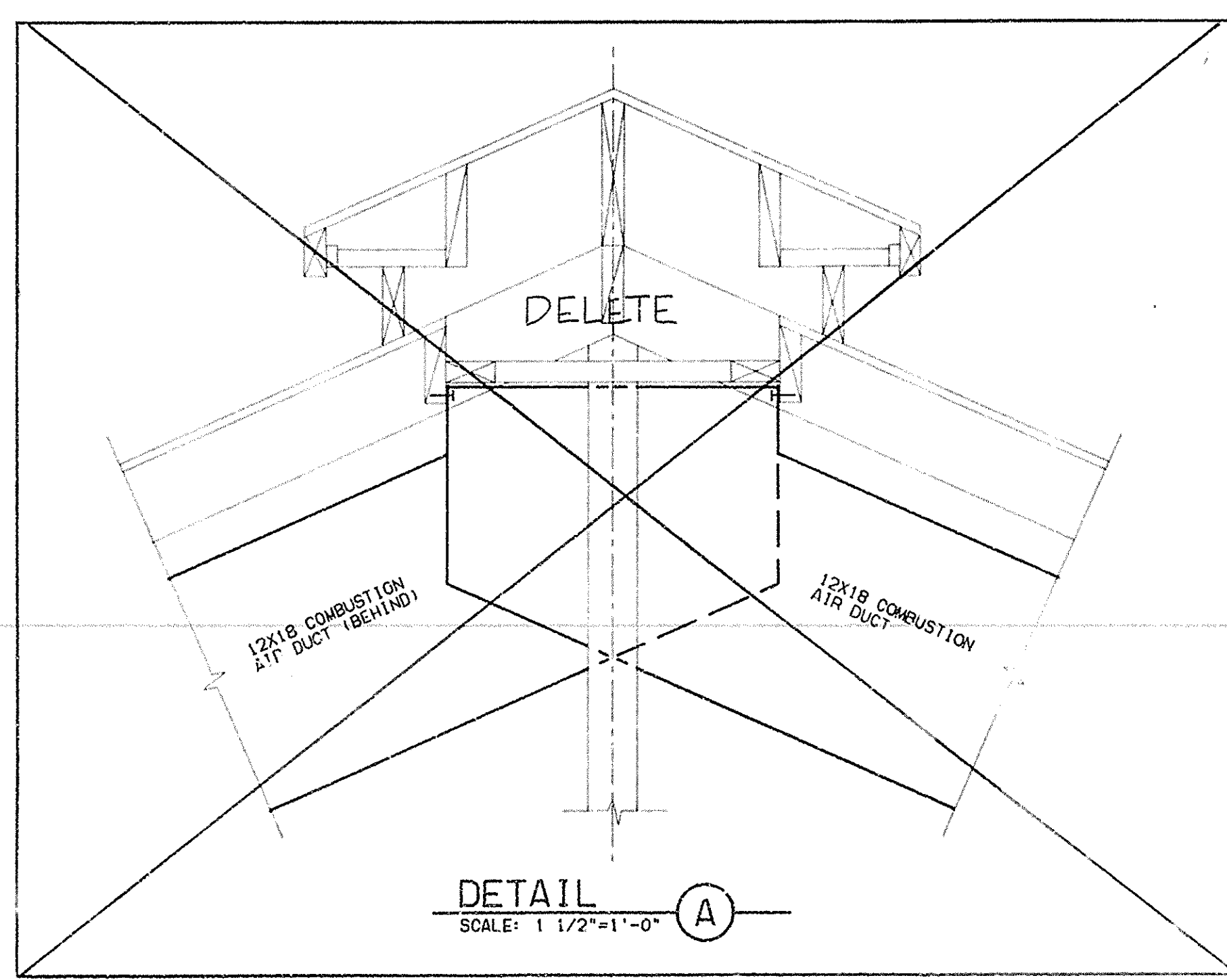
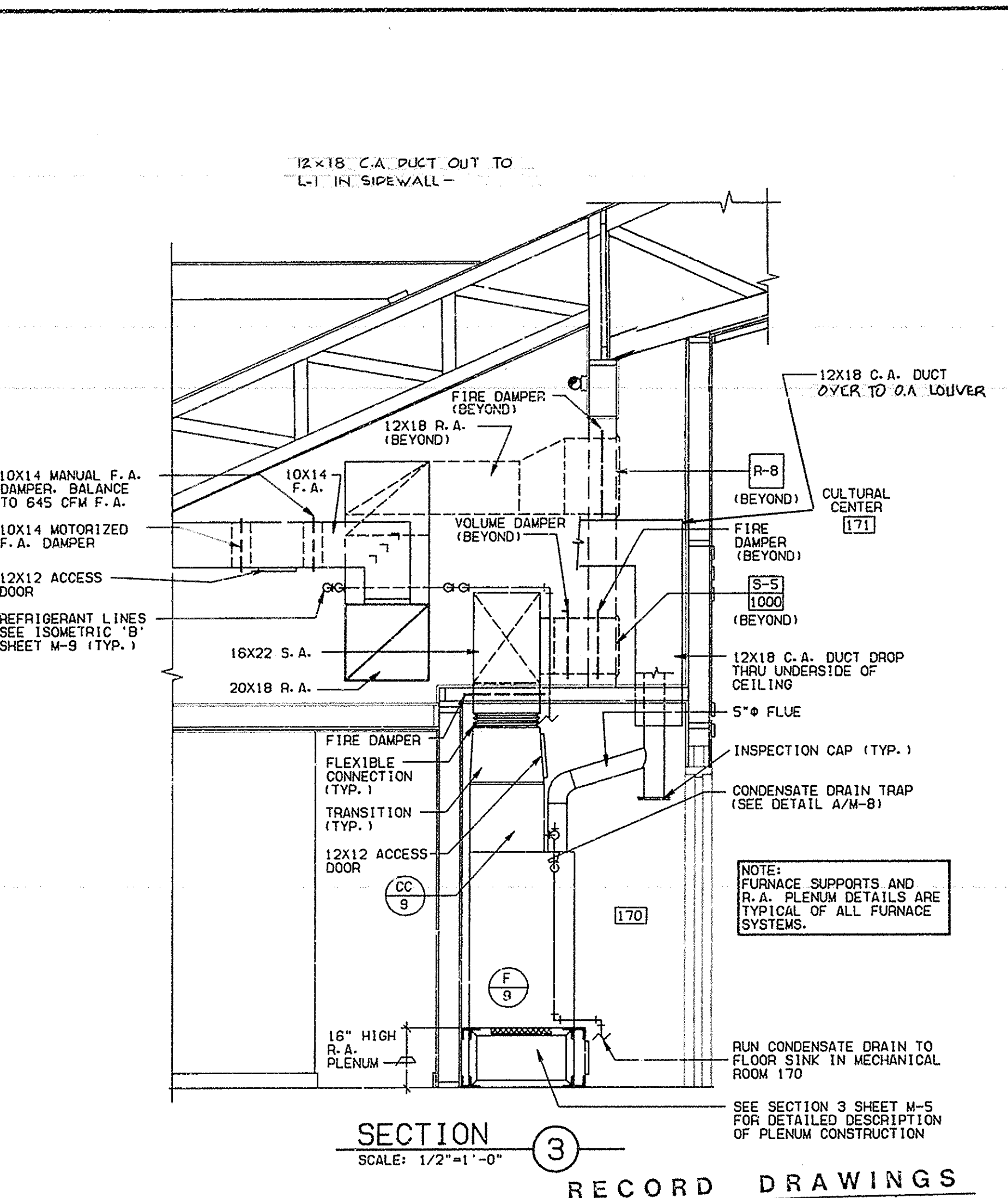
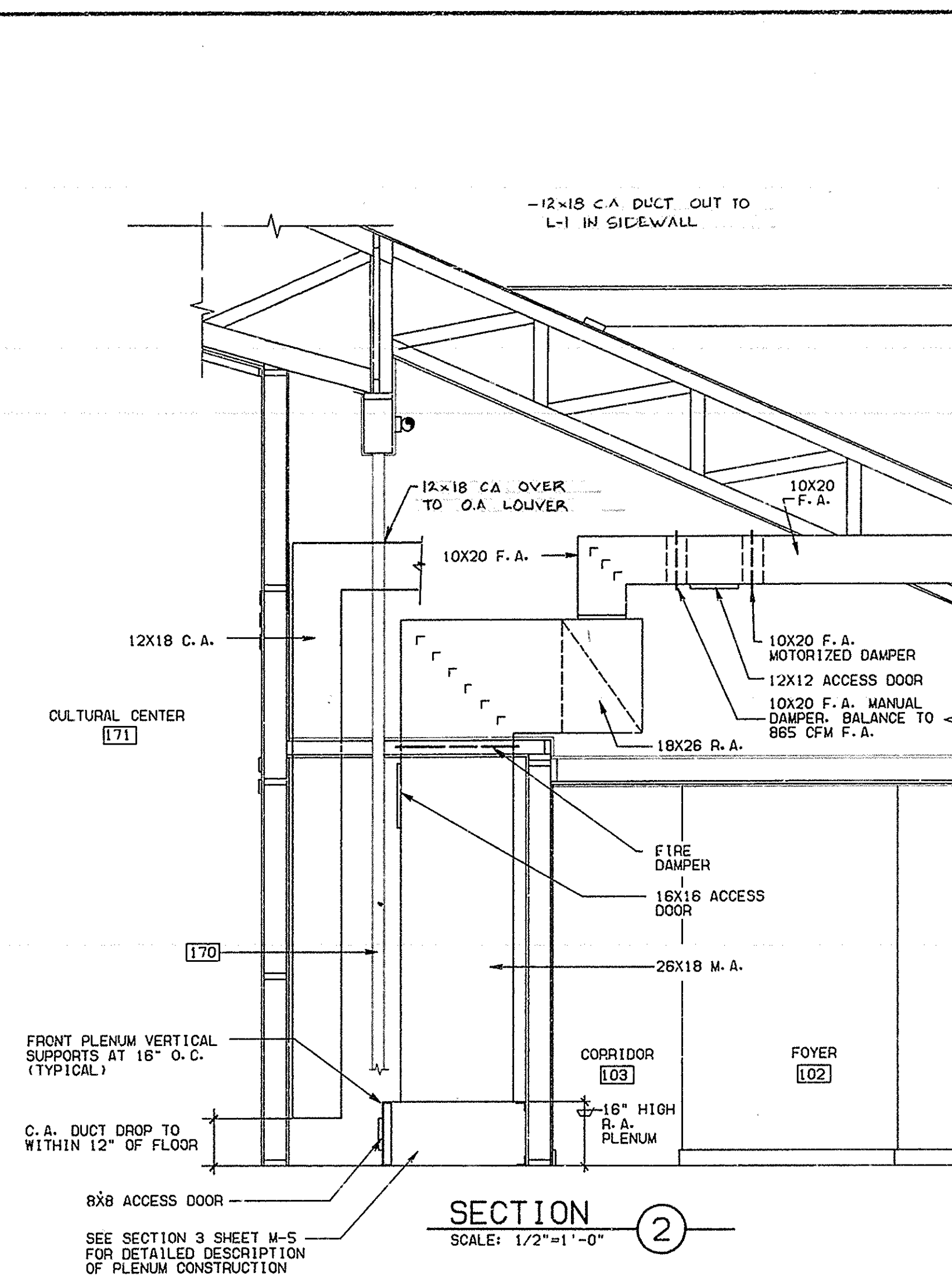
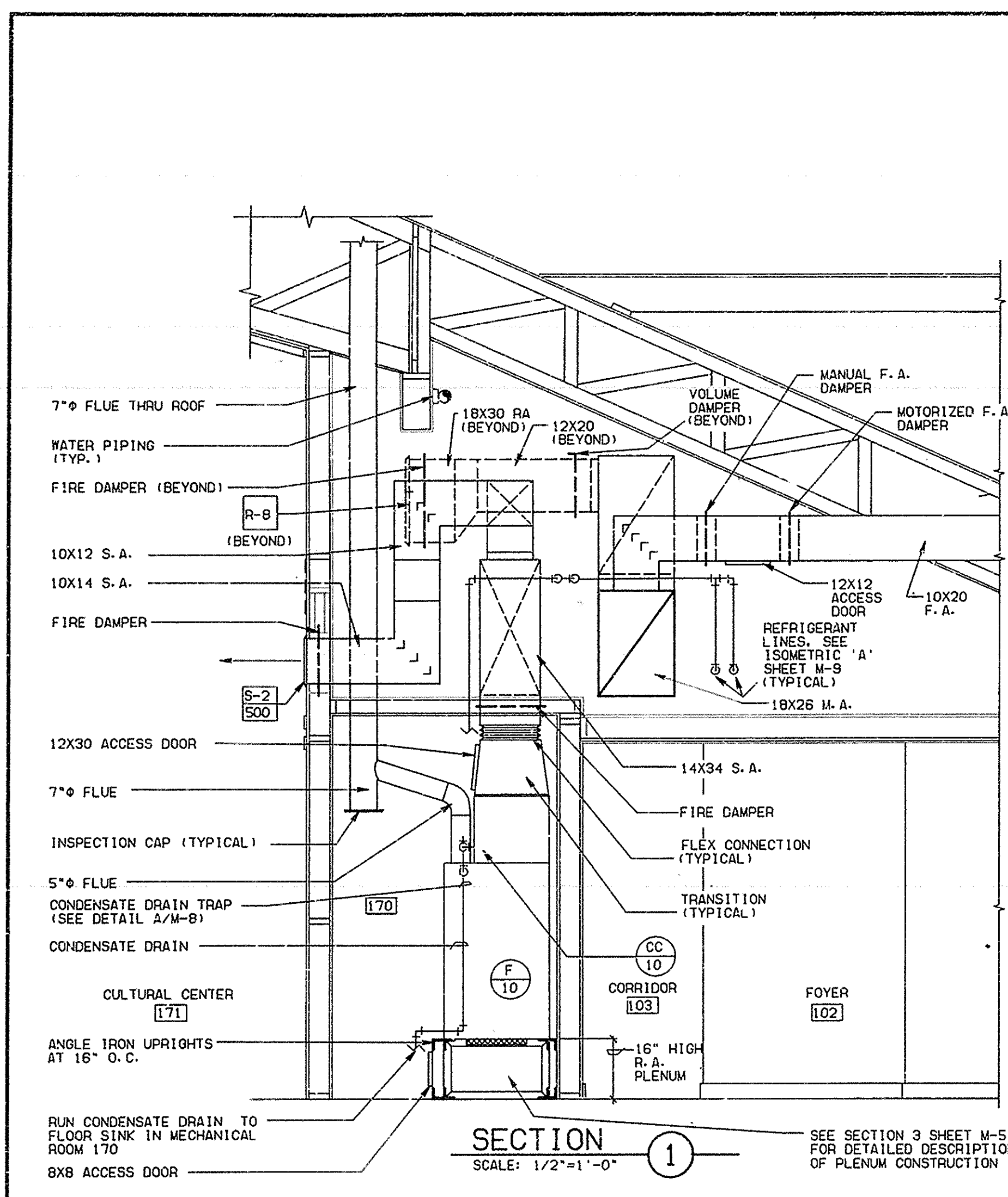
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
3rd & 4th Wards/Spokane North Stake
P.O. Box 100 Parkade Plaza
Spokane, Washington 99201 (509) 838-2707
M. 3001 Shawano Avenue/Spokane, WA

Station Cummings, Inc. & Partners, P.C.
1000 North 100th Street
Spokane, WA 99208
(509) 838-2707

SHEET TITLE
ENLARGED MECHANICAL PLANS AND SECTIONS

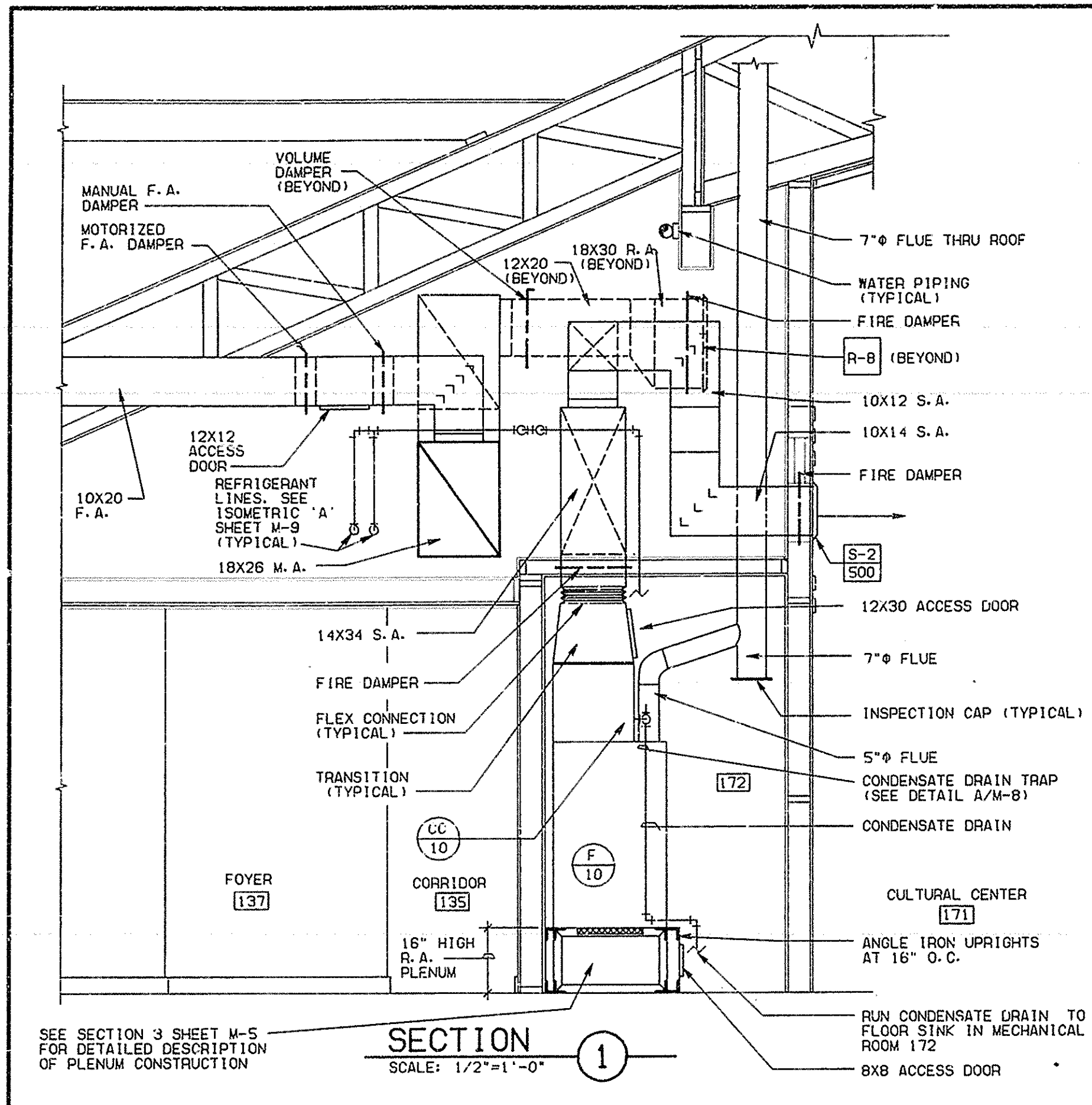
DESIGNED BY
CHECKED BY
PROJECT NUMBER
DEVELOPMENT NUMBER
SAB7-227
SHEET NO.

M-4



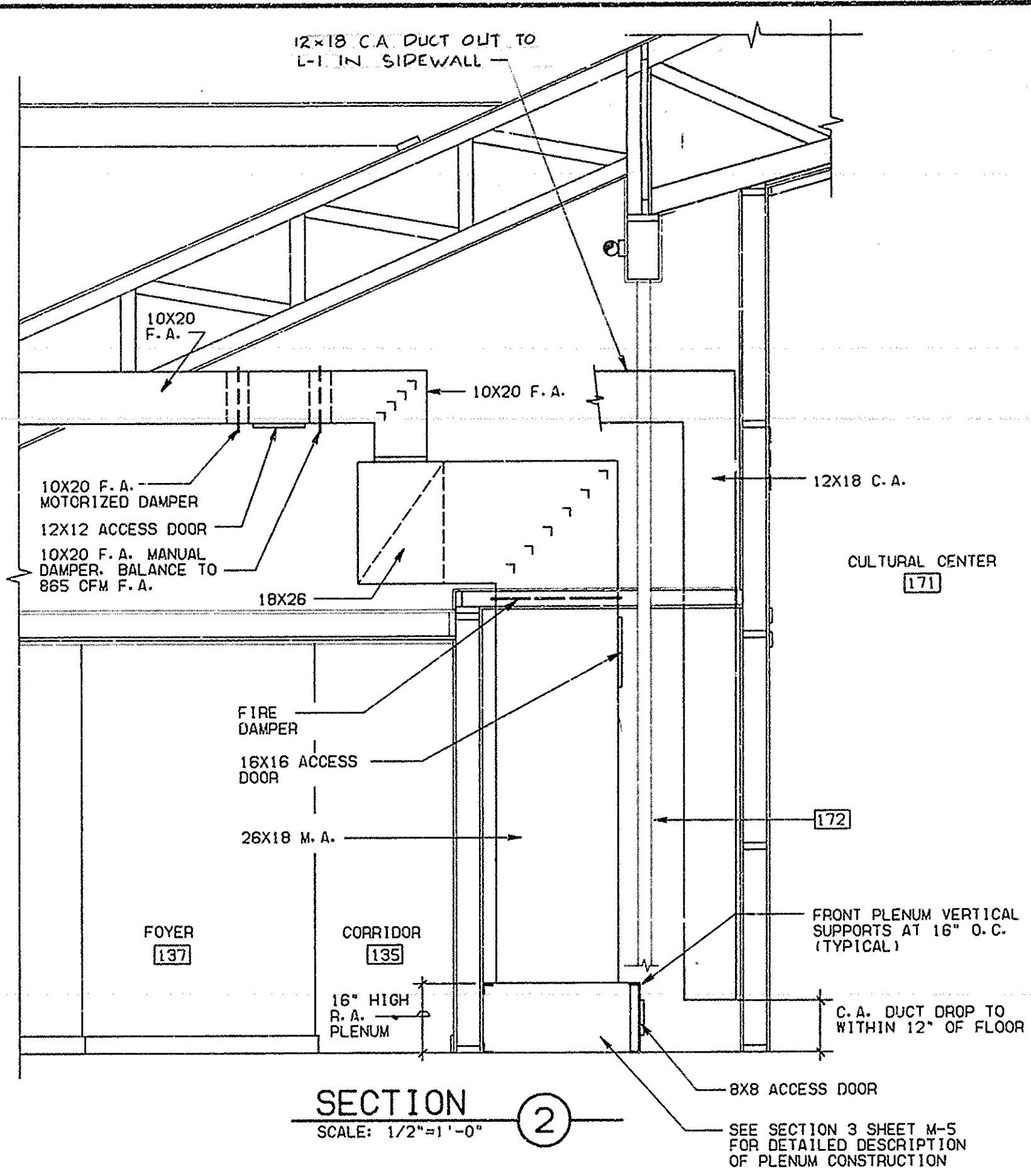
RECORD DRAWINGS
THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT OF SUCH INFORMATION.

072287 JULY 1987

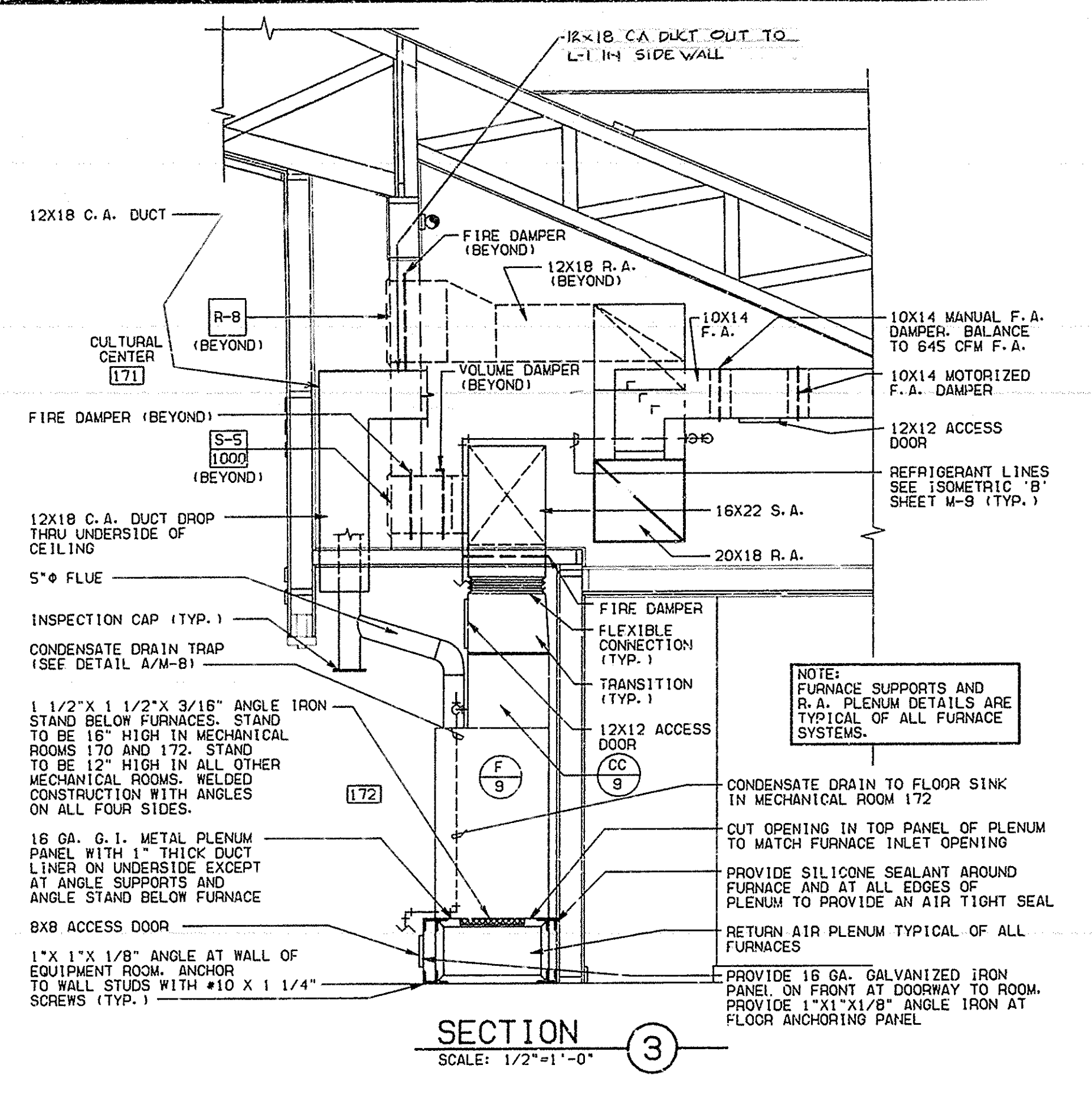


SEE SECTION 3 SHEET M-5 FOR DETAILED DESCRIPTION OF PLENUM CONSTRUCTION

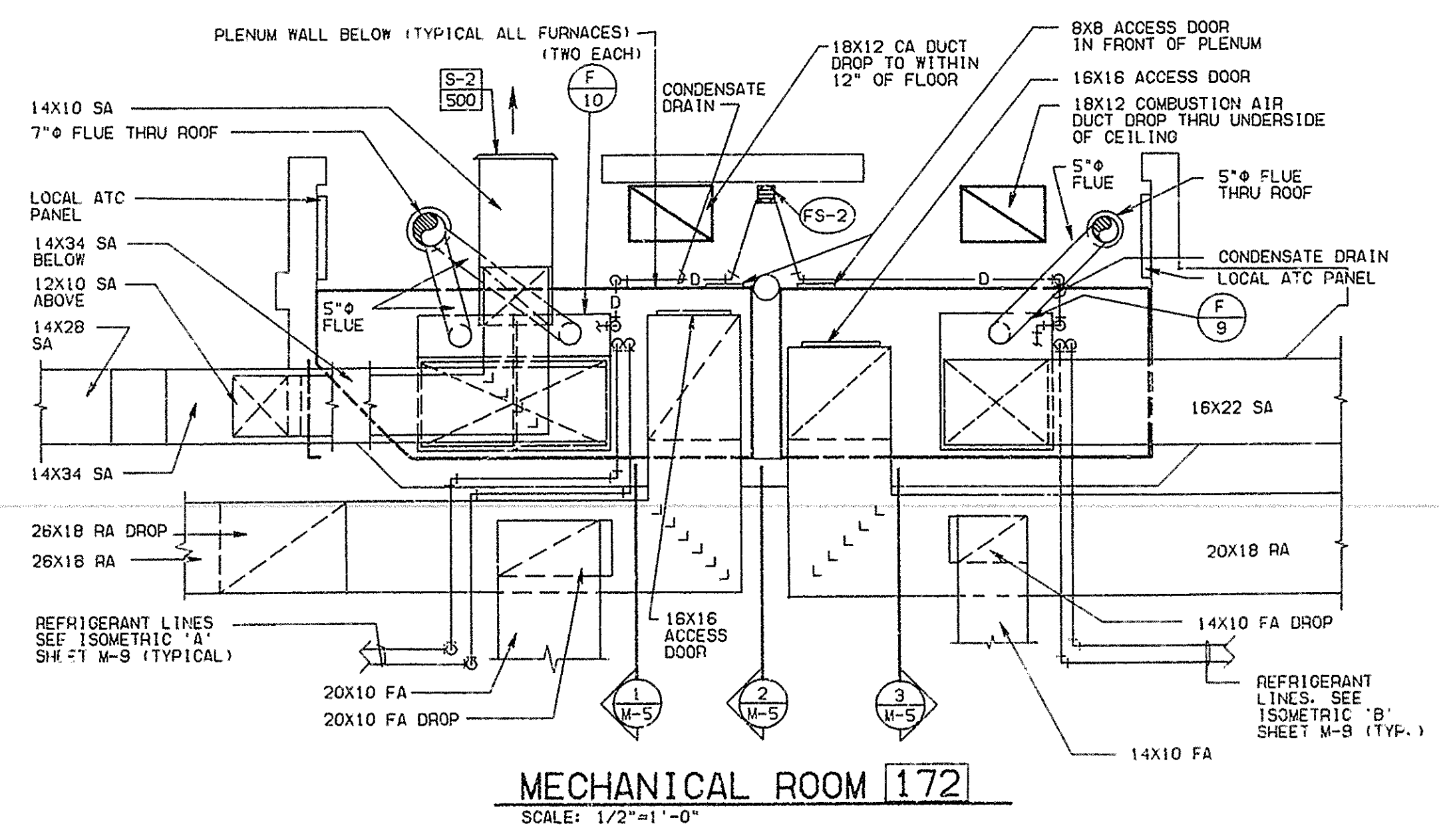
SECTION 1
SCALE: 1/2"=1'-0"




SECTION 2
SCALE: 1/2"=1'-0"



SECTION 3
SCALE: 1/2"=1'-0"



MECHANICAL ROOM 172
SCALE: 1/2"=1'-0"

DATE MAR 18 1988
REVISIONS

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS 801 & 7th Wards/Polk and North Streets W. 80011 Salt Lake City, Utah 84143
SHEET TITLE ENLARGED MECHANICAL PLANS AND SECTIONS
DRAWN BY CHECKED BY
PROJECT NUMBER S487-227
DEVELOPMENT NUMBER S487-227
SHEET NO. M-5

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.

032587 JULY 1987

DATE
MAR 13 1988

REVISIONS

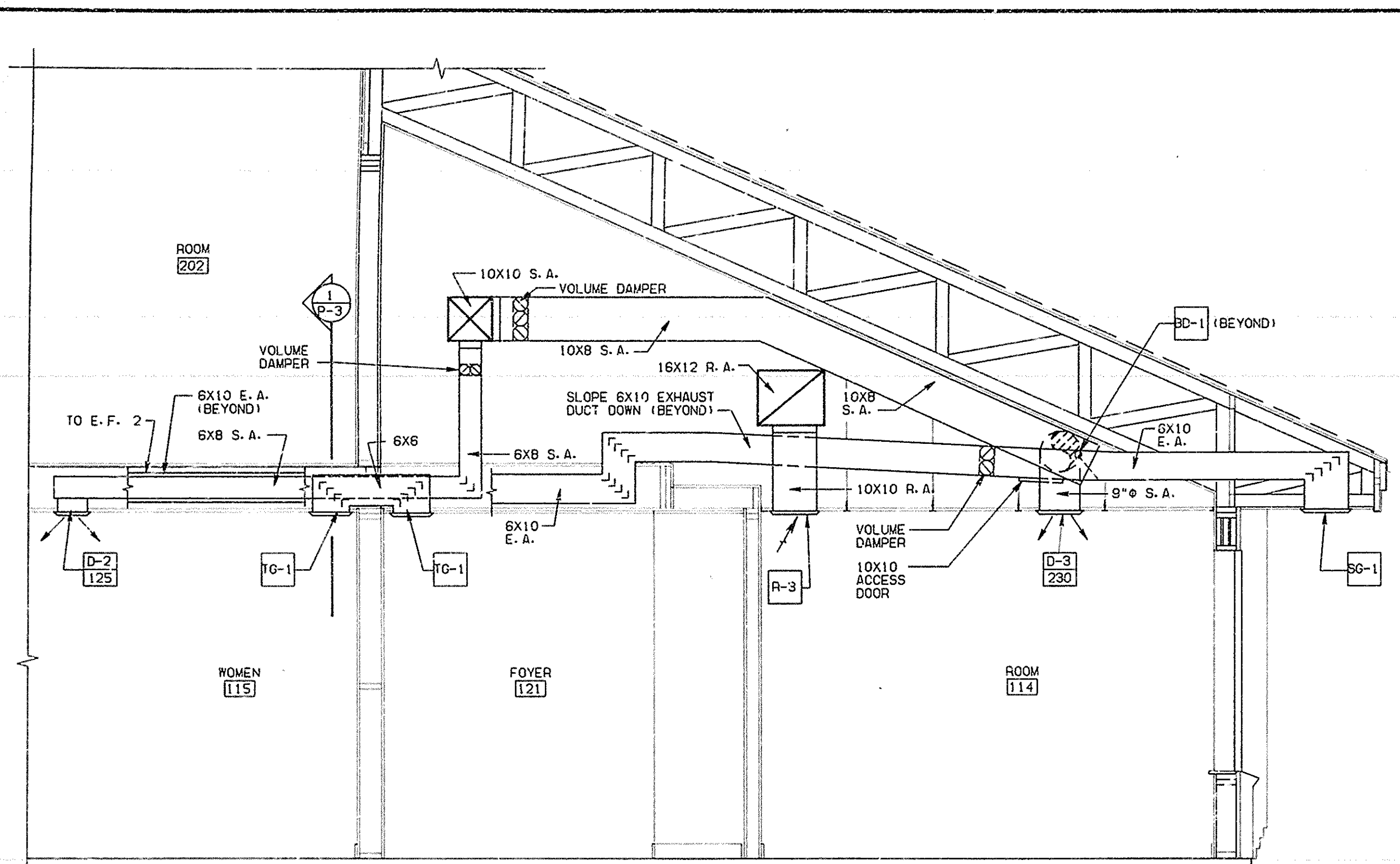


THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
3rd & 7th Wards/Spokane North Side
W. 5001 Shawano Avenue/Spokane, VA

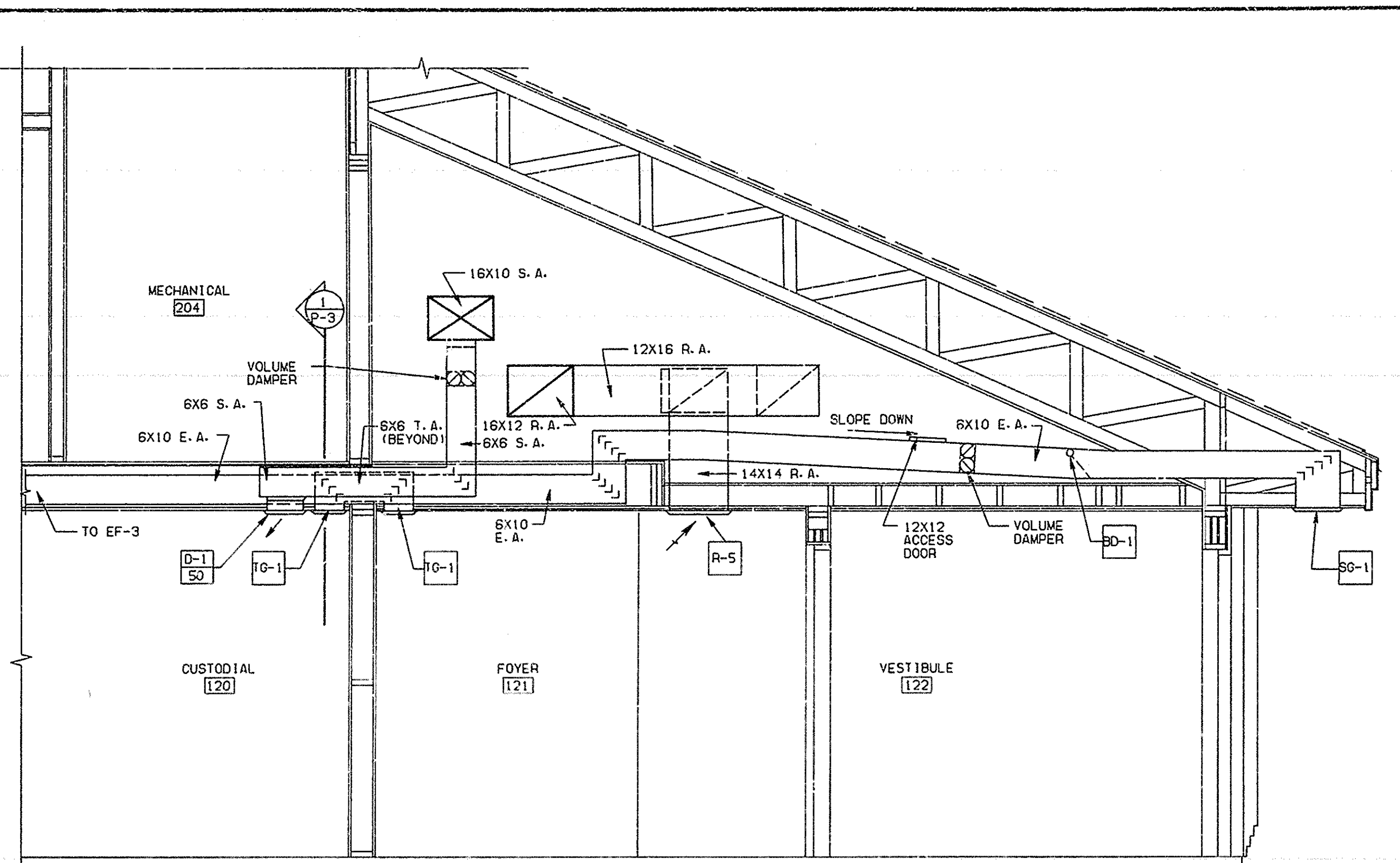
warren cummings heftman & partners, p.s.
a full service architectural and engineering firm
spokane, washington 99201 (509) 838-2707

SHEET TITLE
ENLARGED SECTIONS

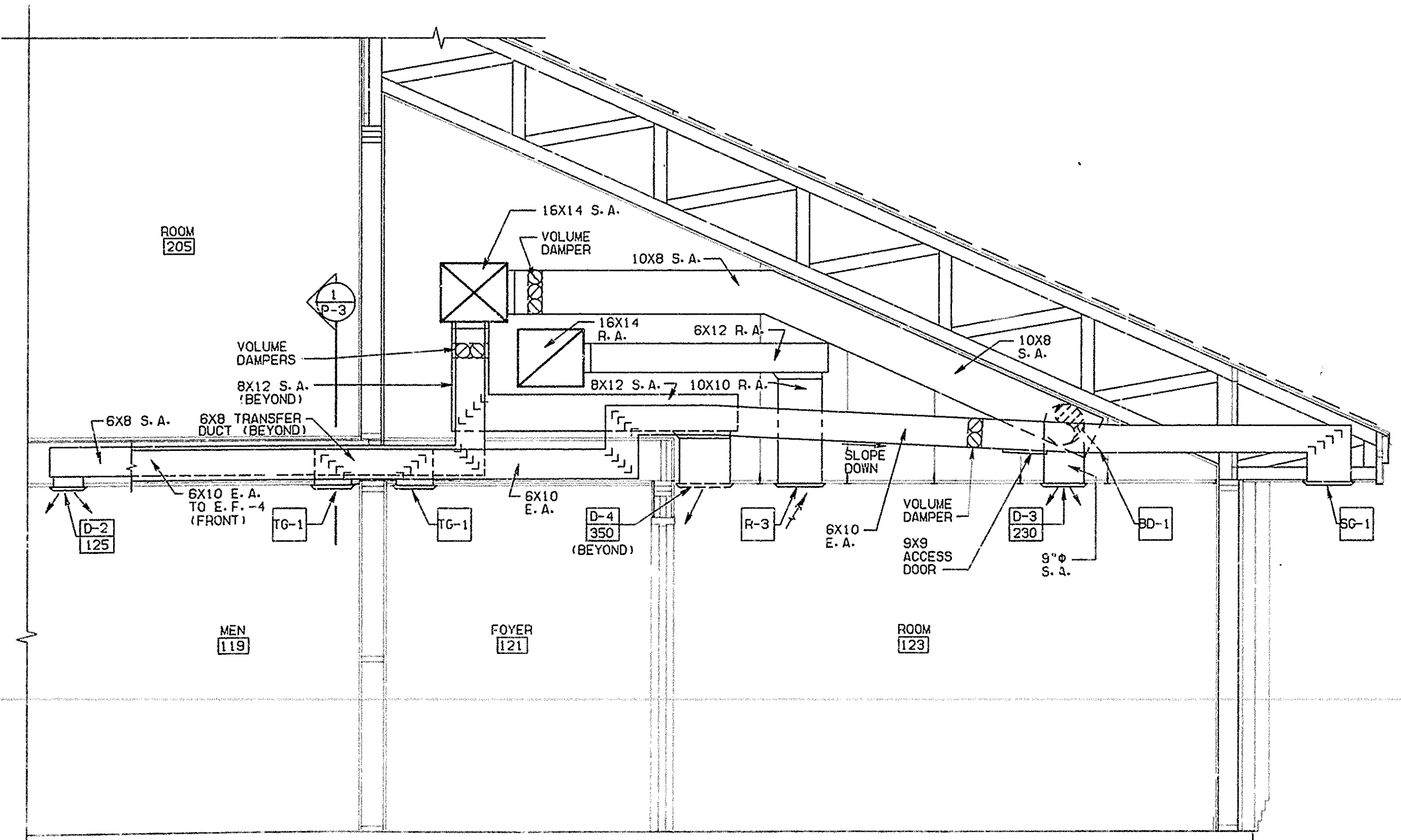
PROJECT NUMBER
DEVELOPMENT NUMBER
SHEET NO.
M-6



SECTION 1
SCALE: 1/2"=1'-0"



SECTION 2
SCALE: 1/2"=1'-0"



SECTION 3
SCALE: 1/2"=1'-0"

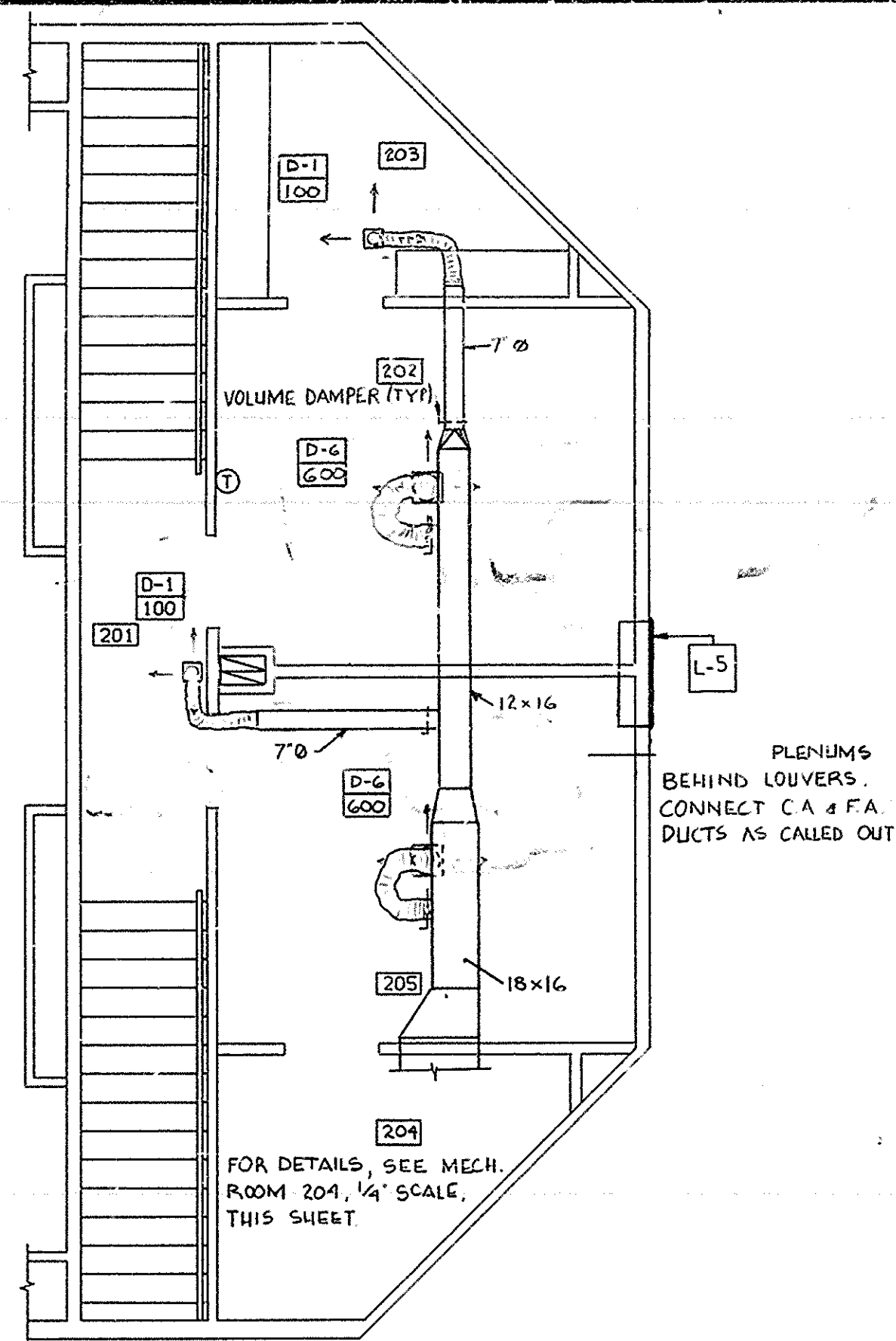
RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.

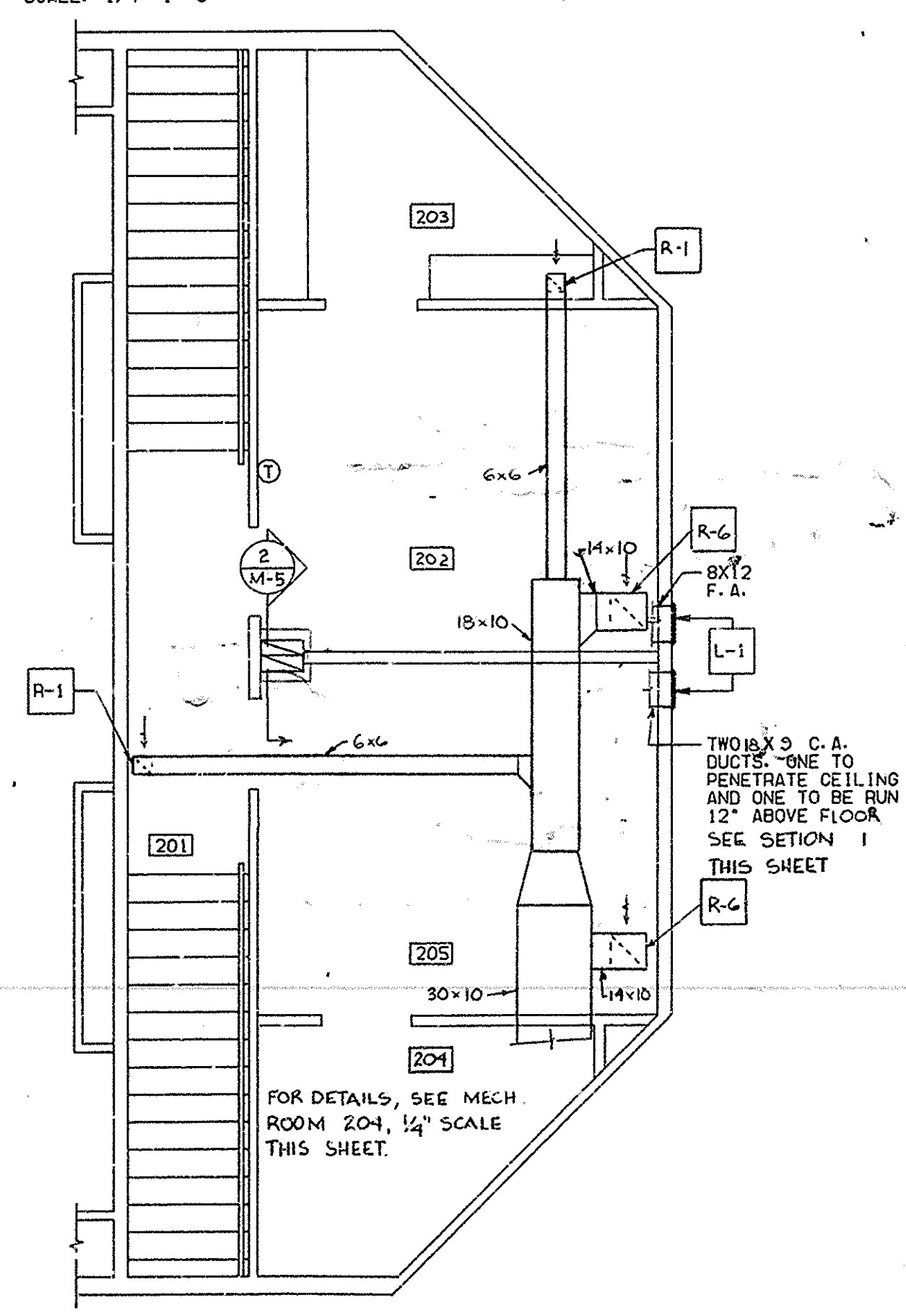
8-89

072887 JULY 1987

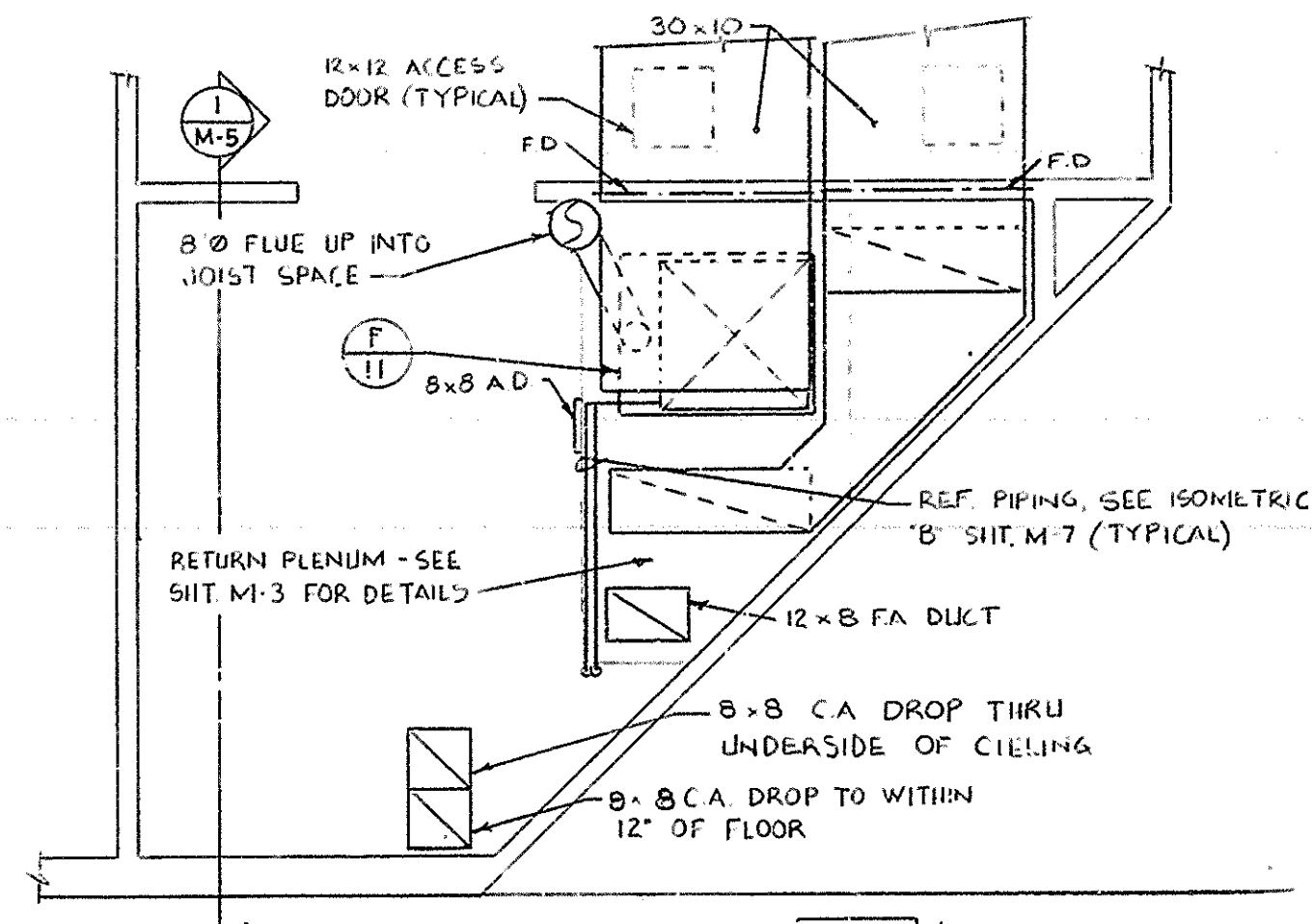
24X



SECOND FLOOR SUPPLY AIR PLAN
SCALE: 1/4"=1'-0"

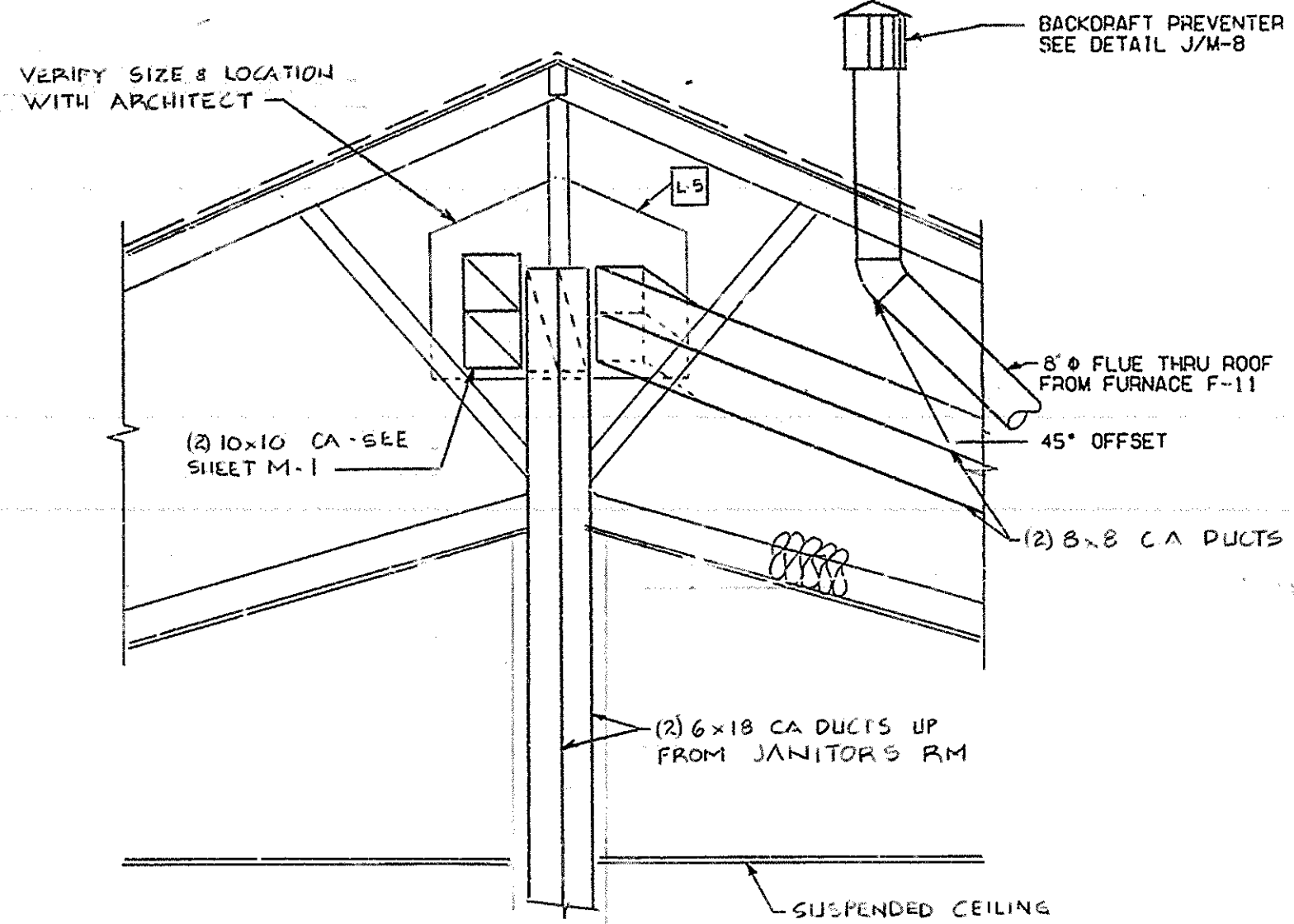


SECOND FLOOR RETURN AIR PLAN
SCALE: 1/4"=1'-0"

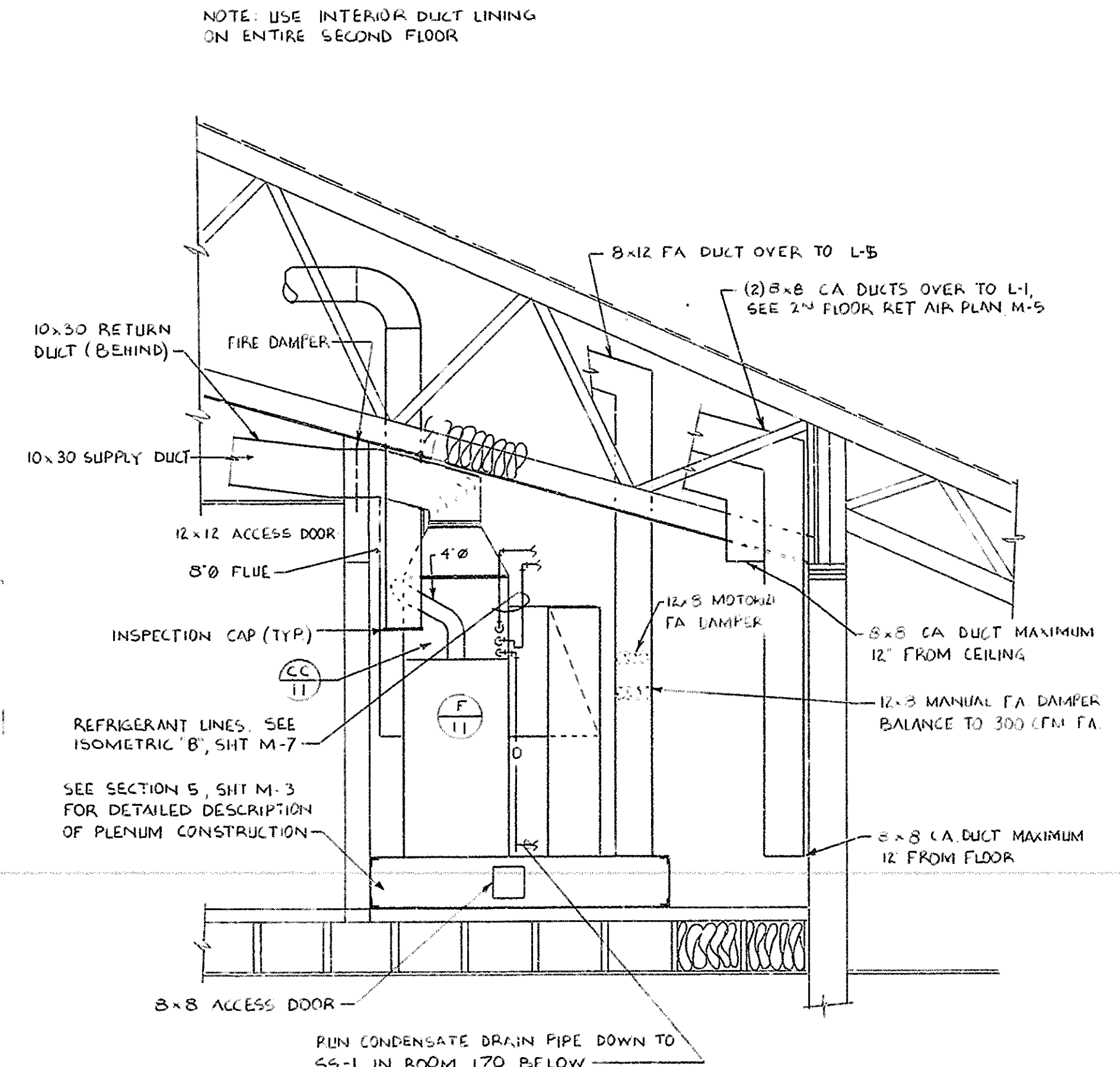


MECHANICAL ROOM 204
SCALE: 1/2"=1'-0"

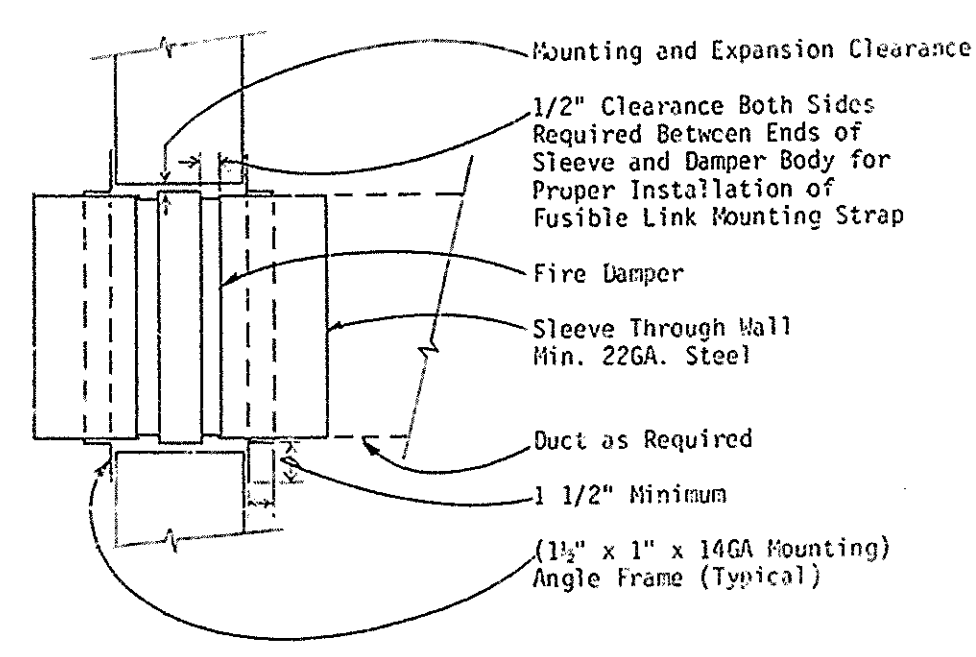
NOTE:
SEAL DUCTS AT VAPOR
BARRIER WHERE DUCTS
PENETRATE VAPOR BARRIER



SECTION 2
SCALE: 1/2"=1'-0"



SECTION 1
SCALE: 1/2"=1'-0"



TYPICAL WALL FIRE DAMPER DETAIL A
SCALE: NONE

DATE
MAR 13 1987
MAR 13 1988

REVISIONS	DATE	BY	DESCRIPTION
R-1			NEW SHEET ADDED



THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY
SAINTS

warren cunnings hayman & partners, ps
architects and engineers
1000 1st Ave. S.W.
Seattle, Washington 98101 (509) 838-2707

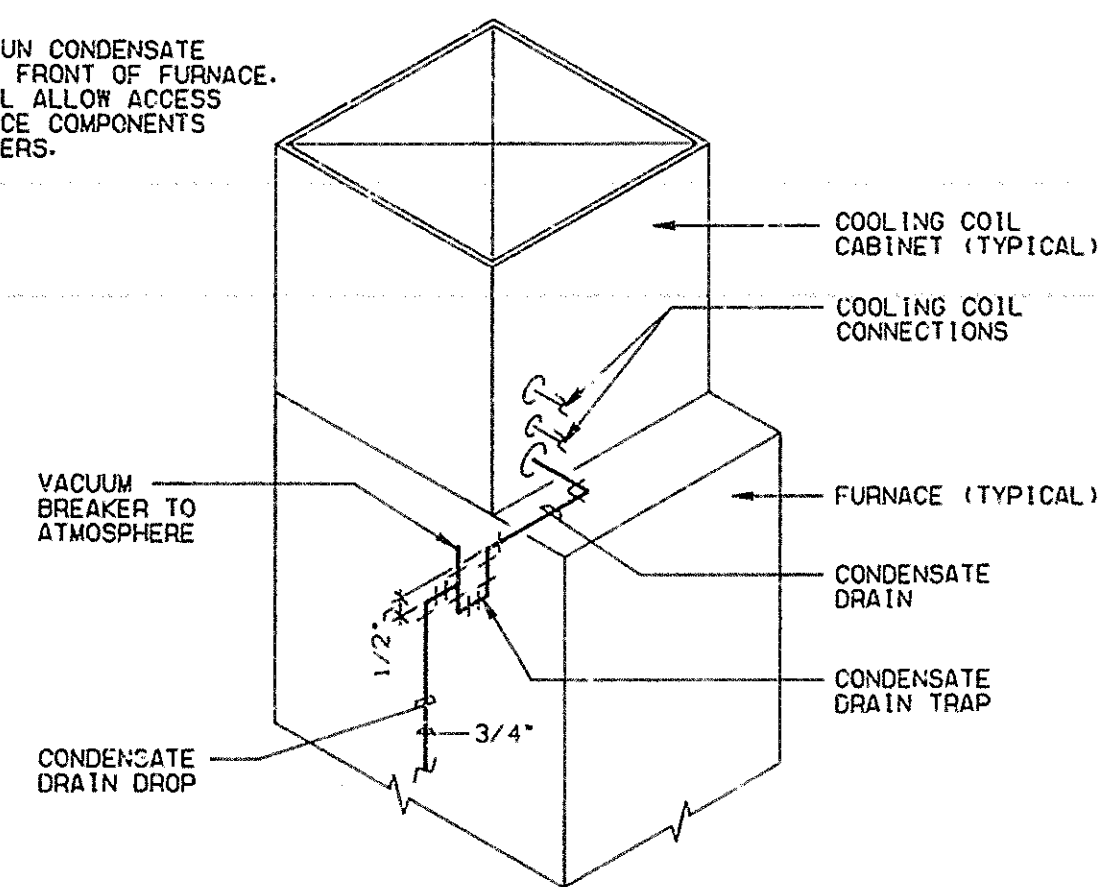
ENLARGED PLANS AND SECTIONS

PROJECT NUMBER
DEVELOPMENT NUMBER
SHEET NO.

RECORD DRAWINGS
THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.

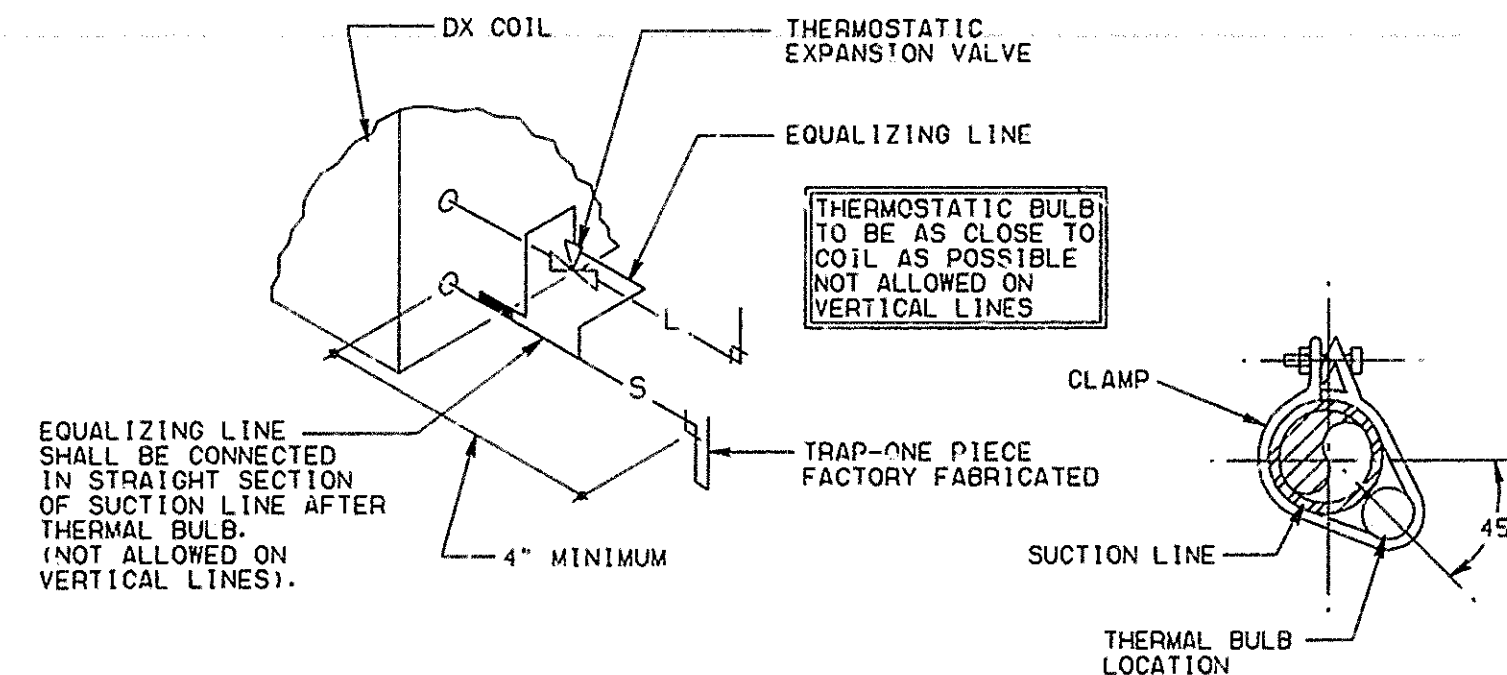
M-7

NOTE:
DO NOT RUN CONDENSATE
DRAIN IN FRONT OF FURNACE.
THIS WILL ALLOW ACCESS
TO FURNACE COMPONENTS
AND FILTERS.



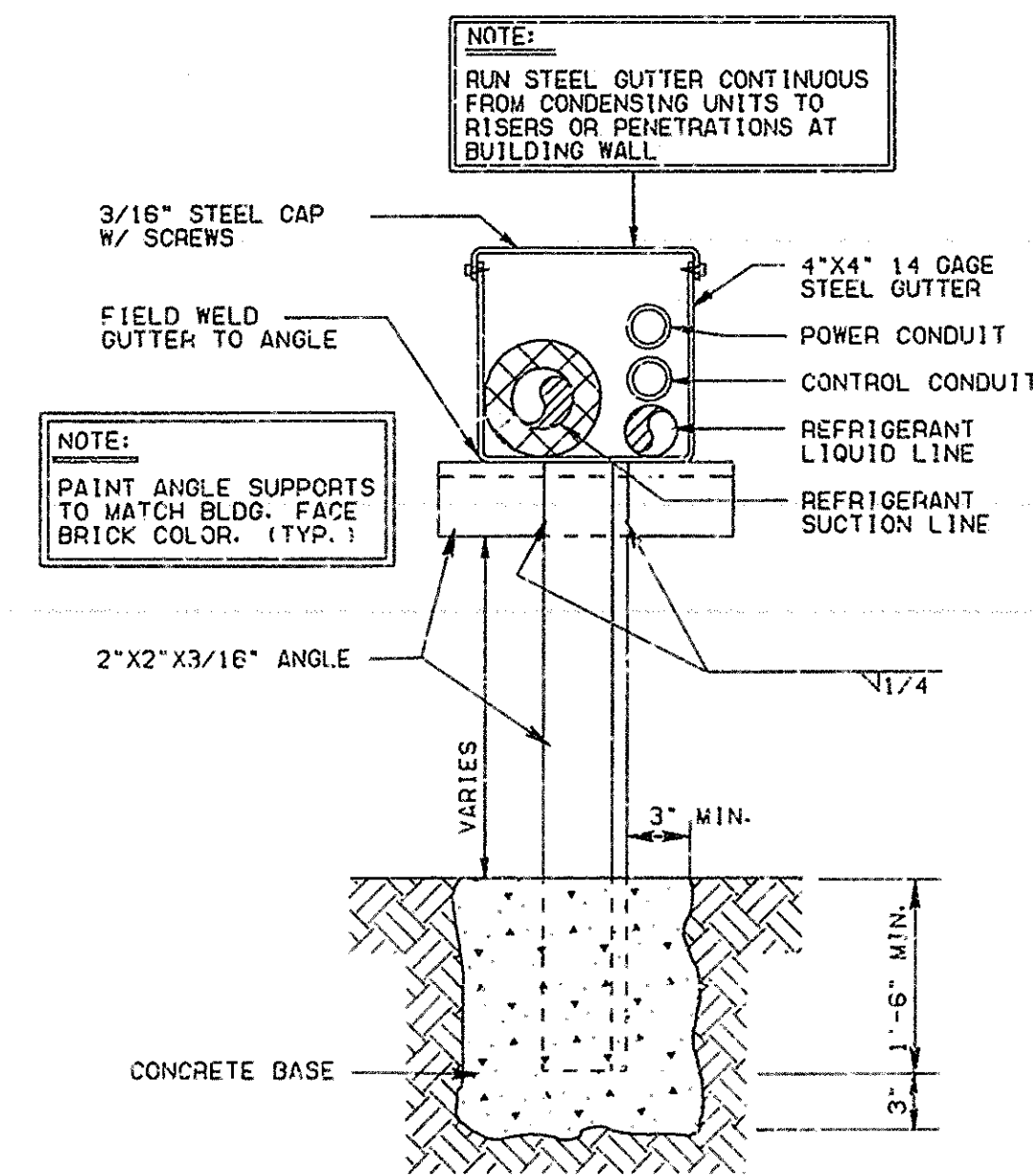
CONDENSATE DRAIN TRAP DETAIL
SCALE: NONE

(A)



REFRIGERANT COIL CONNECTION DETAIL
SCALE: NONE

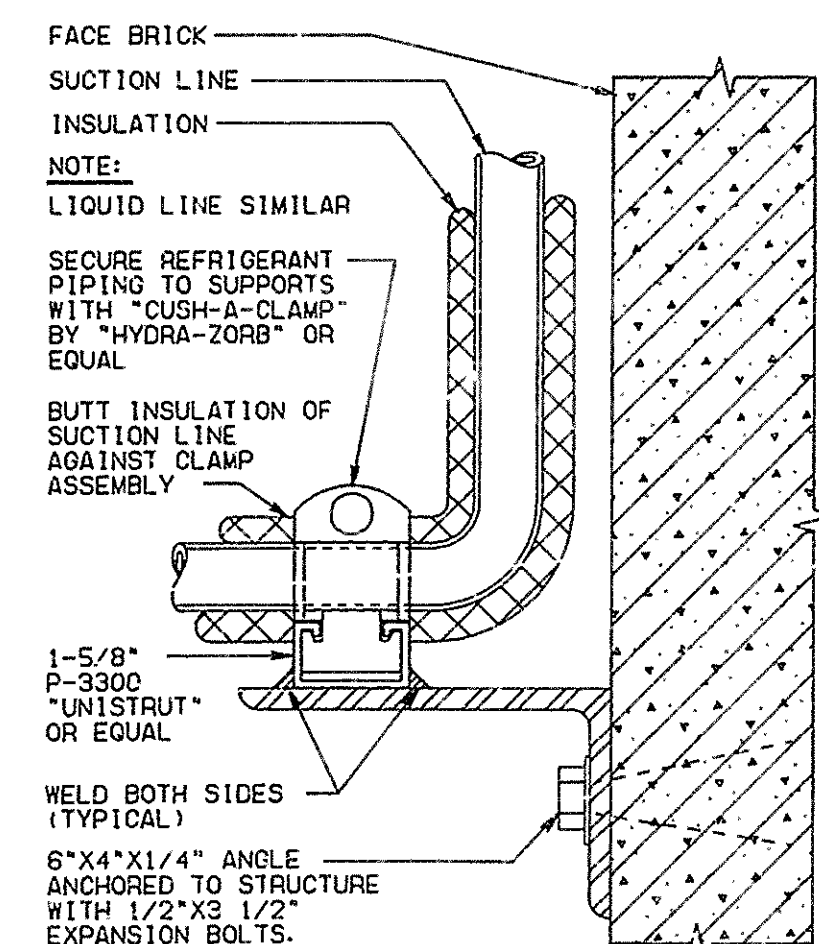
(B)



EXTERIOR REFRIGERANT PIPE SUPPORT
SCALE: NONE

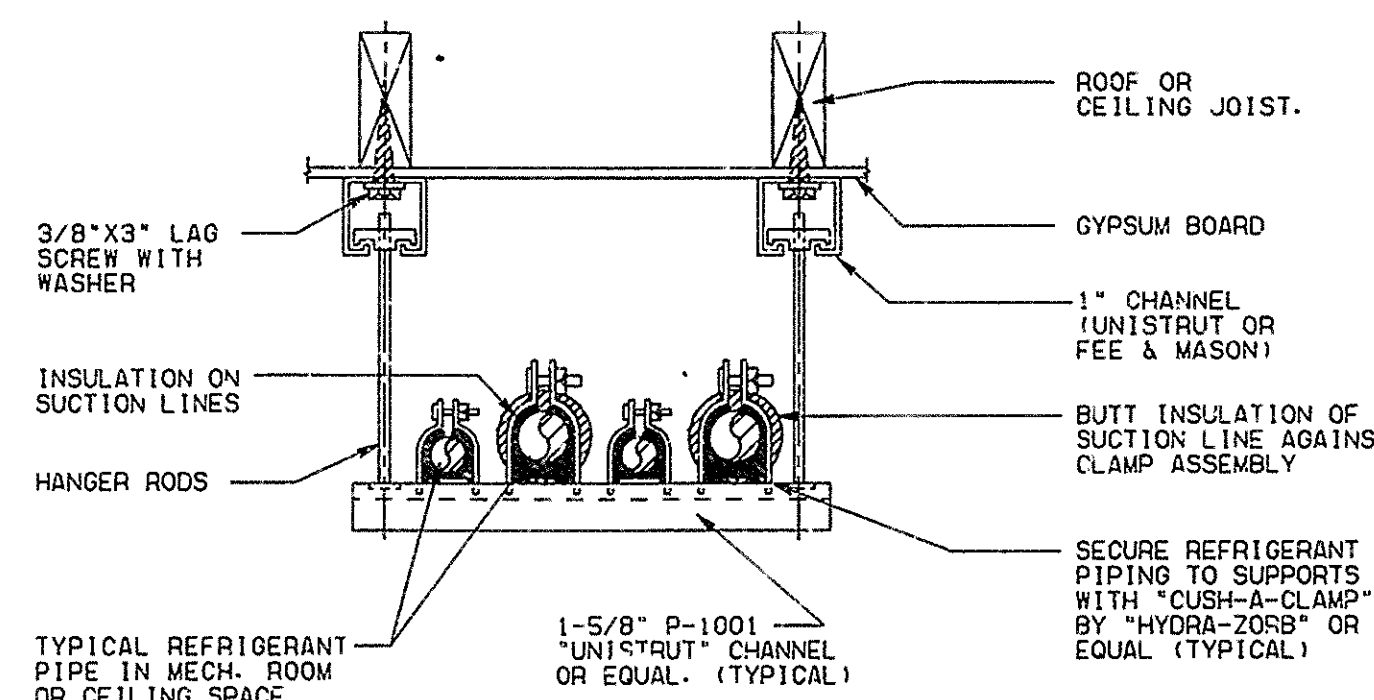
(C)

REFRIGERANT PIPING LEGEND	
SYMBOL	DESCRIPTION
	REFRIGERANT SHUT-OFF VALVE
	EXPANSION VALVE. SEE DETAIL (B)
	MOISTURE INDICATING SIGHT GLASS
	FLEXIBLE CONNECTION
	FILTER DRIER
	PIPE SUPPORT. SEE DETAILS (D, E, F, W-B)
	EXTERIOR PIPE SUPPORT. SEE DETAIL (C, W-B)
	TRAP. ONE PIECE FACTORY FABRICATED
	DIRECTION OF SLOPE
	SUCTON LINE
	LIQUID LINE



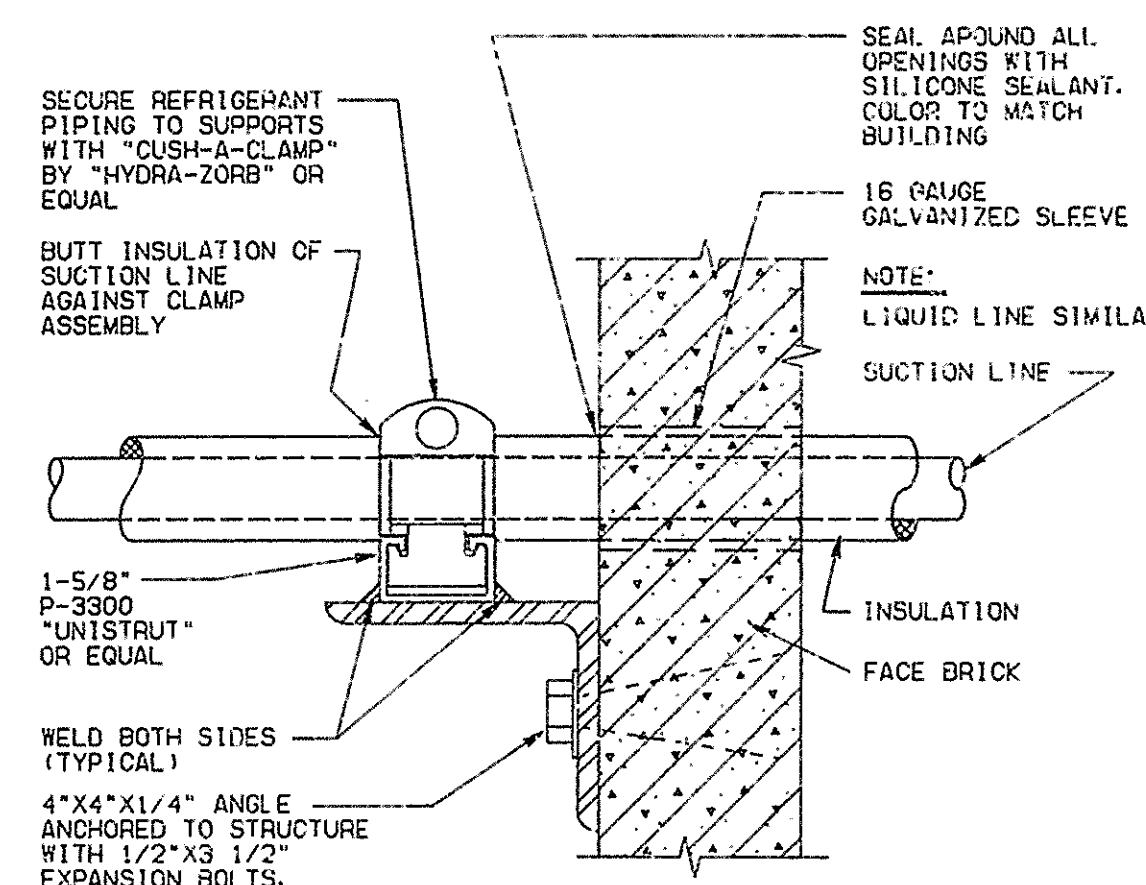
REFRIGERANT PIPE SUPPORT AT WALL
SCALE: NONE
(FOR CU-9, CU-10 & CU-11)

(D)



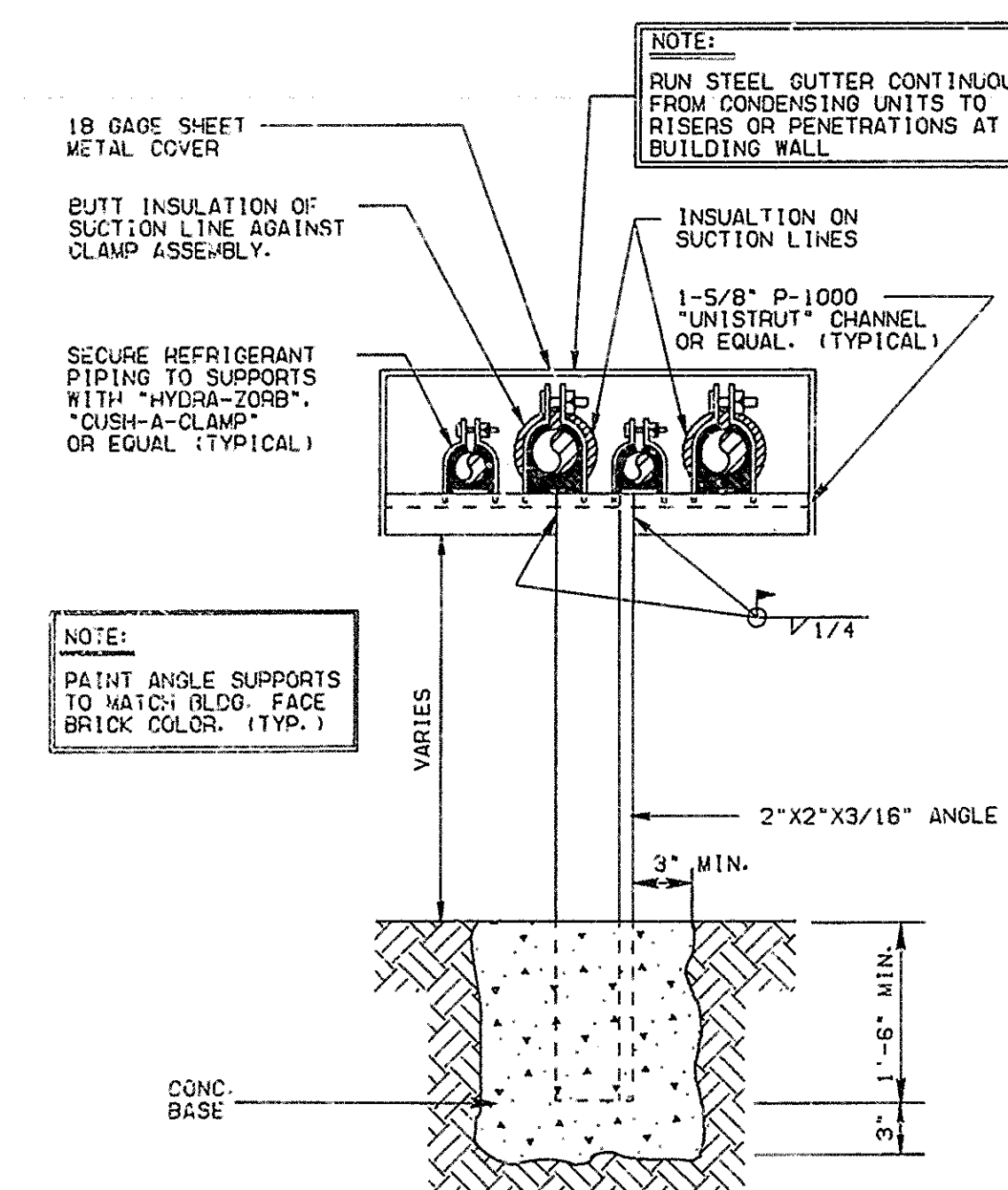
SUSPENDED REFRIGERANT PIPE SUPPORT AT CEILING
SCALE: NONE

(E)



REFRIGERANT PIPE SUPPORT AT WALL
SCALE: NONE

(F)



EXTERIOR REFRIGERANT PIPE SUPPORT
SCALE: NONE

(G)

DATE
MAR 16 1988

REVISIONS



THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
3rd & 7th Wards/Spokane North Stake
W. 5001 Shawnee Avenue/Spokane, WA

warren cummings heyman & partners, p.s.
801 N. C. 100 P.O. Box 6
Spokane, Washington 99201 (509) 838-2707

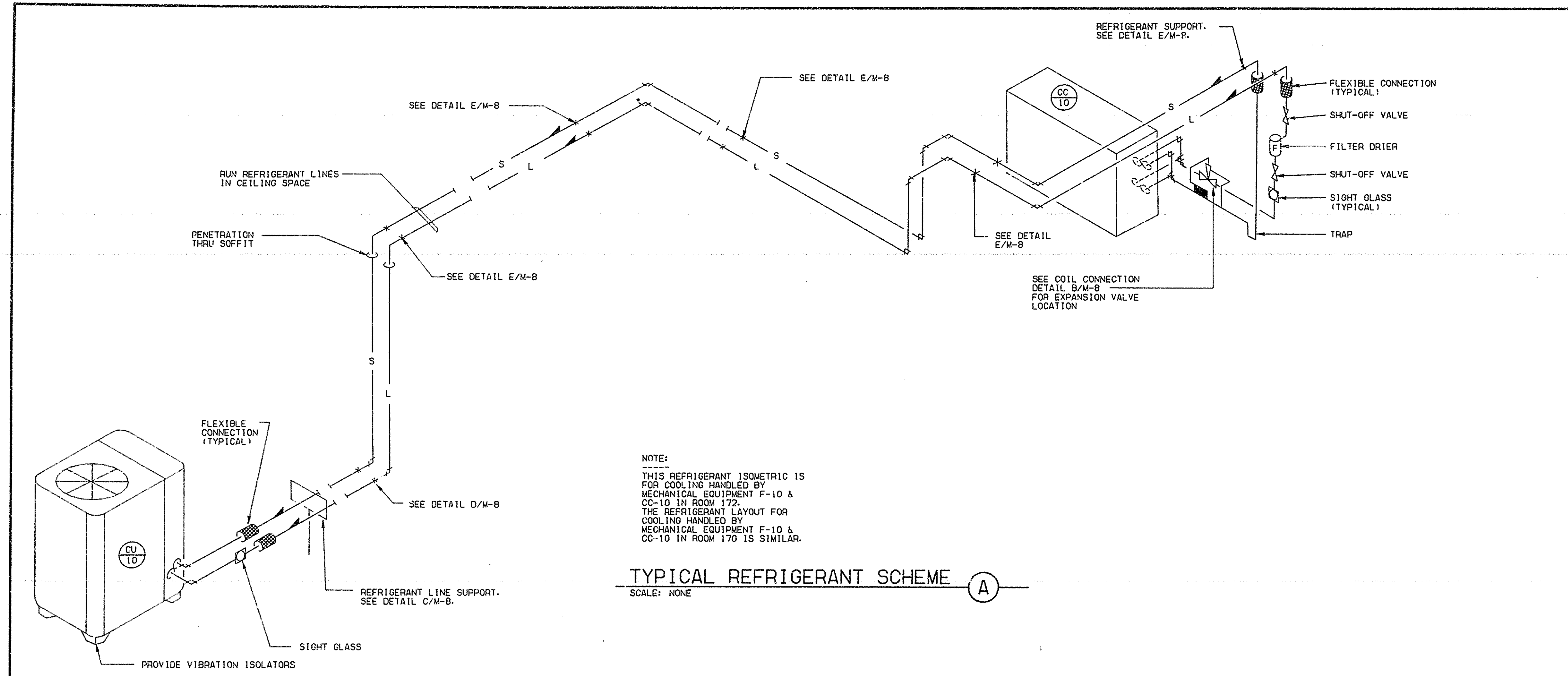
SHEET TITLE
REFRIGERANT DETAILS

DRAWN BY
CHECKED BY
PROJECT NUMBER
DEVELOPMENT NUMBER
SA87-227
SHEET NO.
M-8

RECORD DRAWINGS

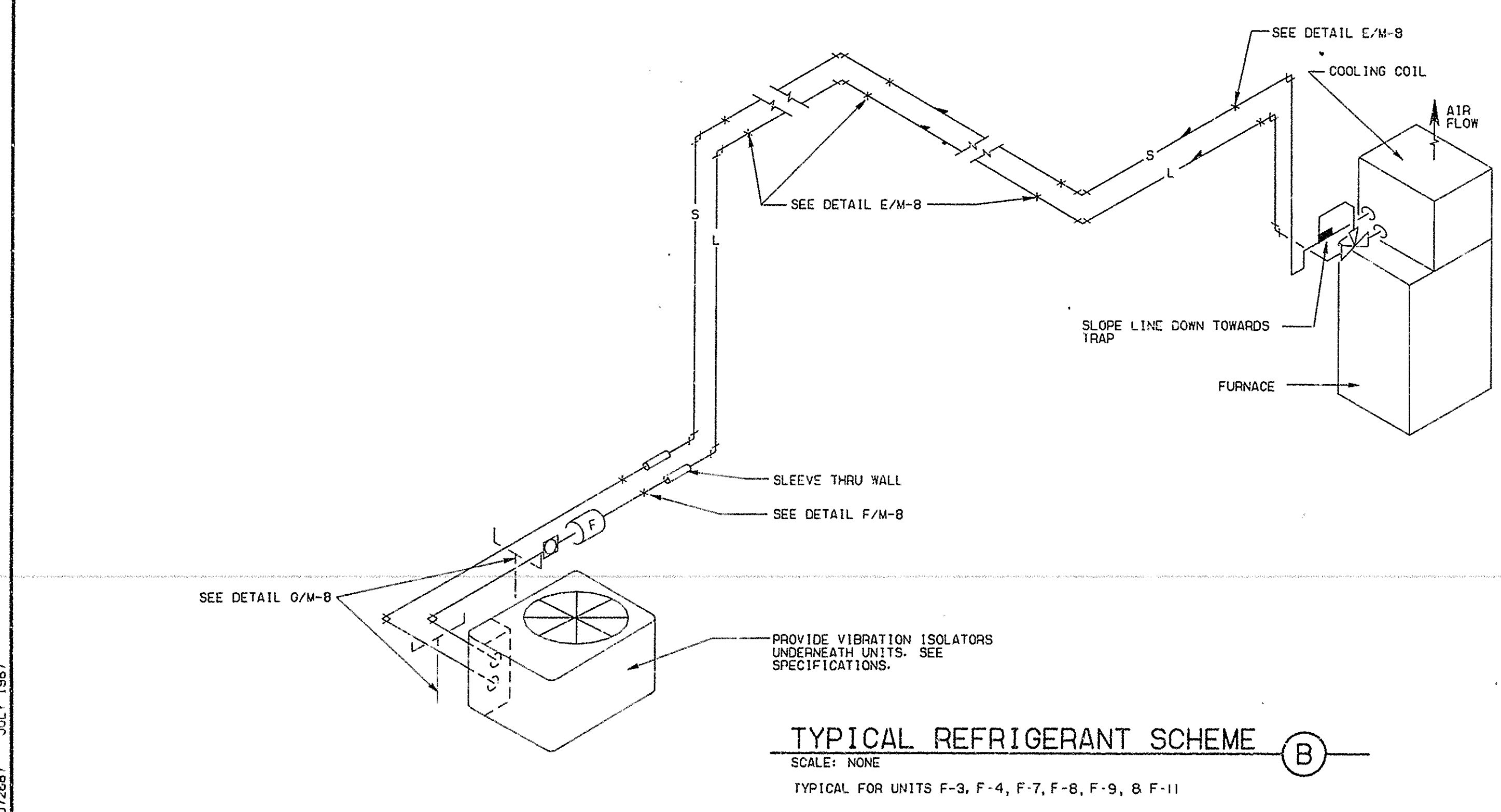
THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.

072687 JULY 1987



NOTE:
 THIS REFRIGERANT ISOMETRIC IS FOR COOLING HANDLED BY MECHANICAL EQUIPMENT F-10 & CC-10 IN ROOM 172. THE REFRIGERANT LAYOUT FOR COOLING HANDLED BY MECHANICAL EQUIPMENT F-10 & CC-10 IN ROOM 170 IS SIMILAR.

TYPICAL REFRIGERANT SCHEME (A)
 SCALE: NONE



TYPICAL REFRIGERANT SCHEME (B)
 SCALE: NONE
 TYPICAL FOR UNITS F-3, F-4, F-7, F-8, F-9, & F-11

REFRIGERANT LINE SIZES			
UNIT	LIQUID	SUCTION	REMARKS
CC 1	-	-	OMIT
CC 2	-	-	OMIT
CC 3	1/2"	7/8"	
CC 4	1/2"	7/8"	
CC 5	-	-	OMIT
CC 6	-	-	OMIT
CC 7	1/2"	7/8"	
CC 8	1/2"	7/8"	
CC 9	1/2"	1 1/8"	
CC 10	5/8"	1 3/8"	
CC 11	1/2"	1 1/8"	

DATE
 MAR 16 1988

NO.	REVISIONS



IIIRD CHURCH for JESUS CHRIST of LATTER-DAY SAINTS
 841 & 7th W. Spokane, North Spoke W. 49001
 Spokane, Washington 99201 (509)838-2707

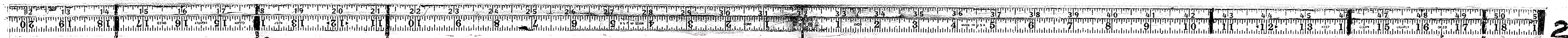
warren cummings heyman & partners, p.c.
 a r c h i t e c t s
 n o r t h 1 0 0 p a r k a d e p l a z a
 s p o k a n e, w a s h i n g t o n 9 9 2 0 1 (5 0 9) 8 3 8 - 2 7 0 7

SHEET TITLE
 REFRIGERANT SCHEMES AND REFRIGERANT LINE SIZES

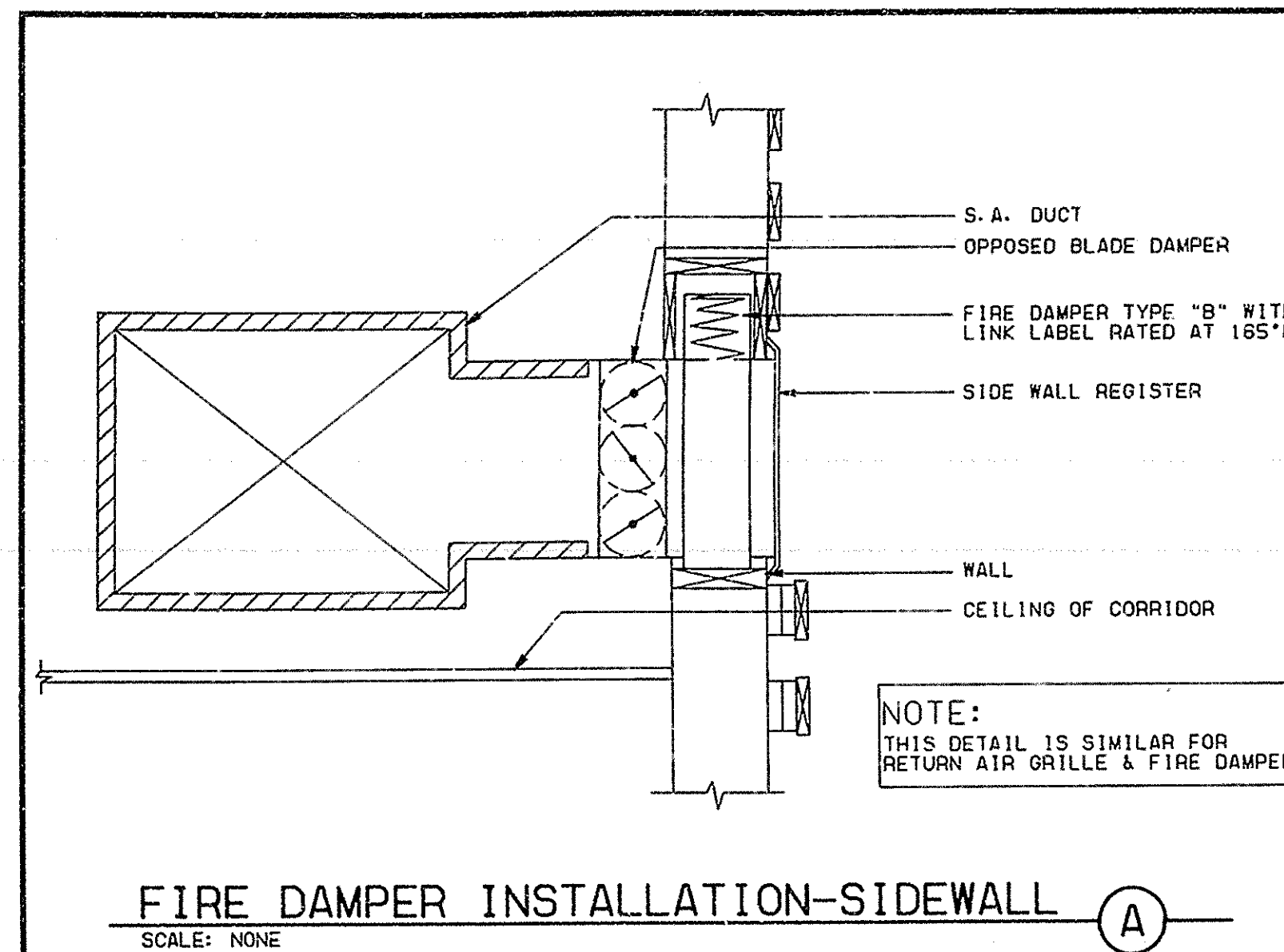
DRAWN BY
 CHECKED BY
 PROJECT NUMBER
 DEVELOPMENT NUMBER
 SHEET NO.
 M-9

RECORD DRAWINGS
 THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.
 8-89

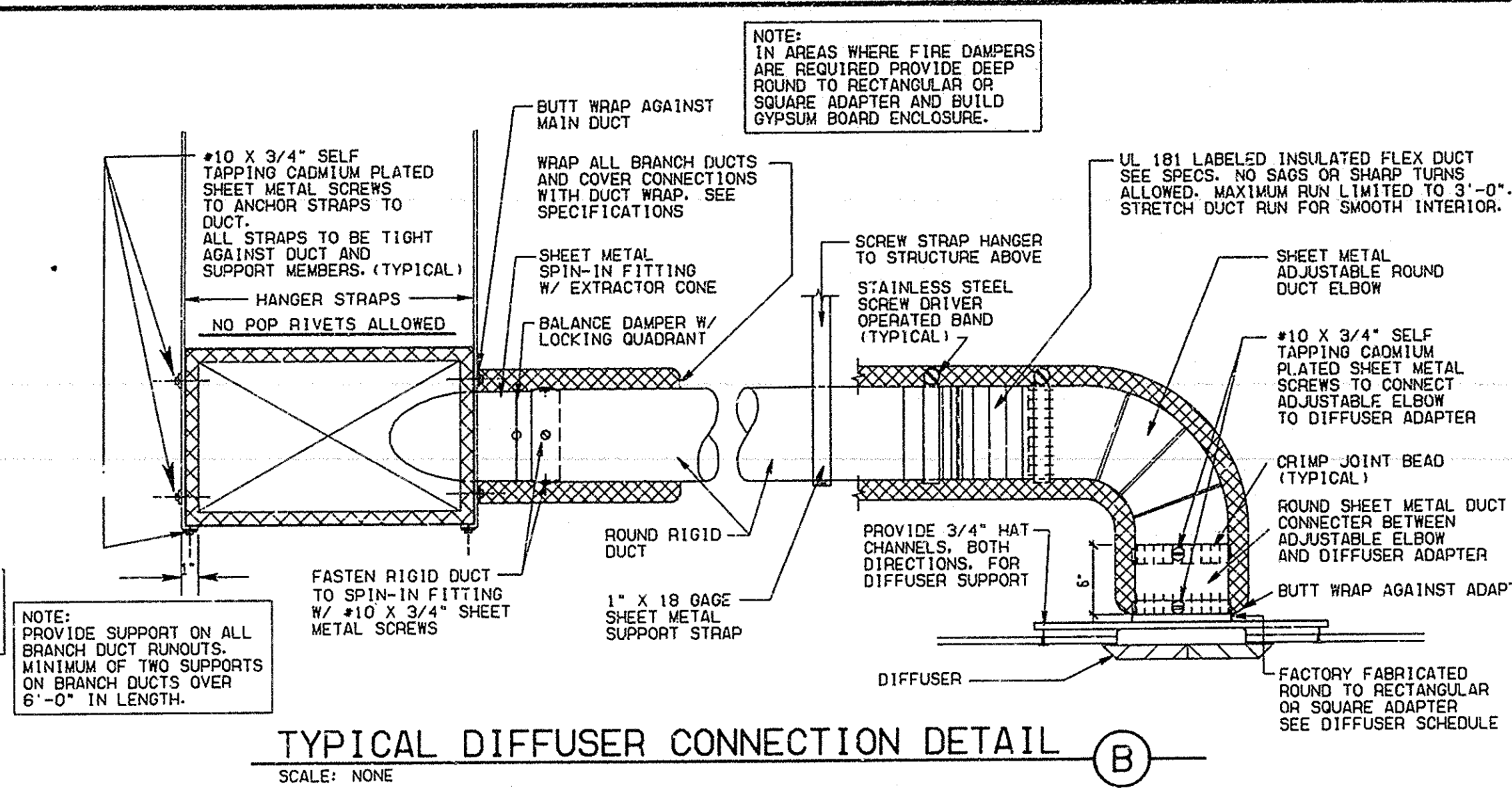
072587 JULY 1987



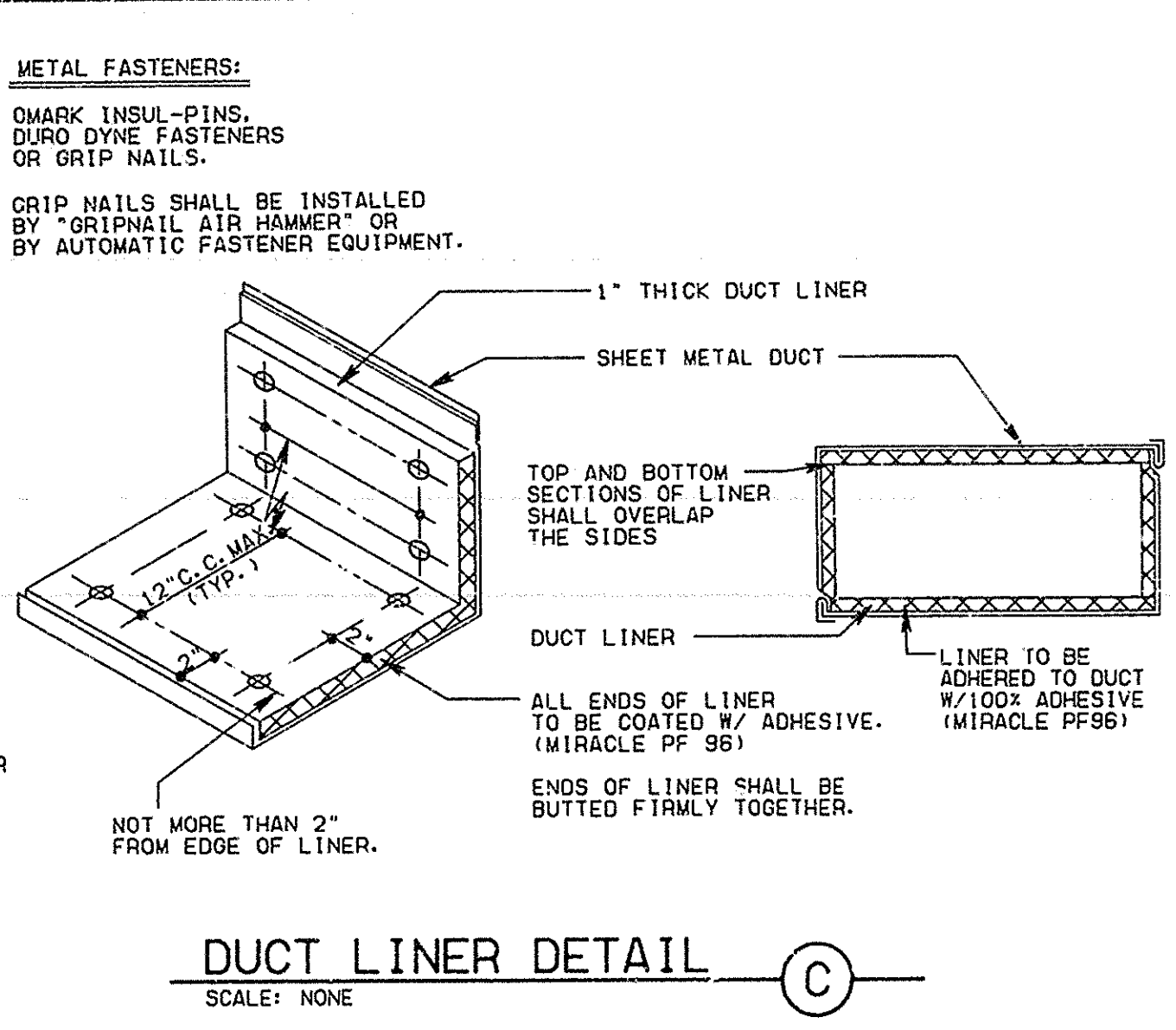
241



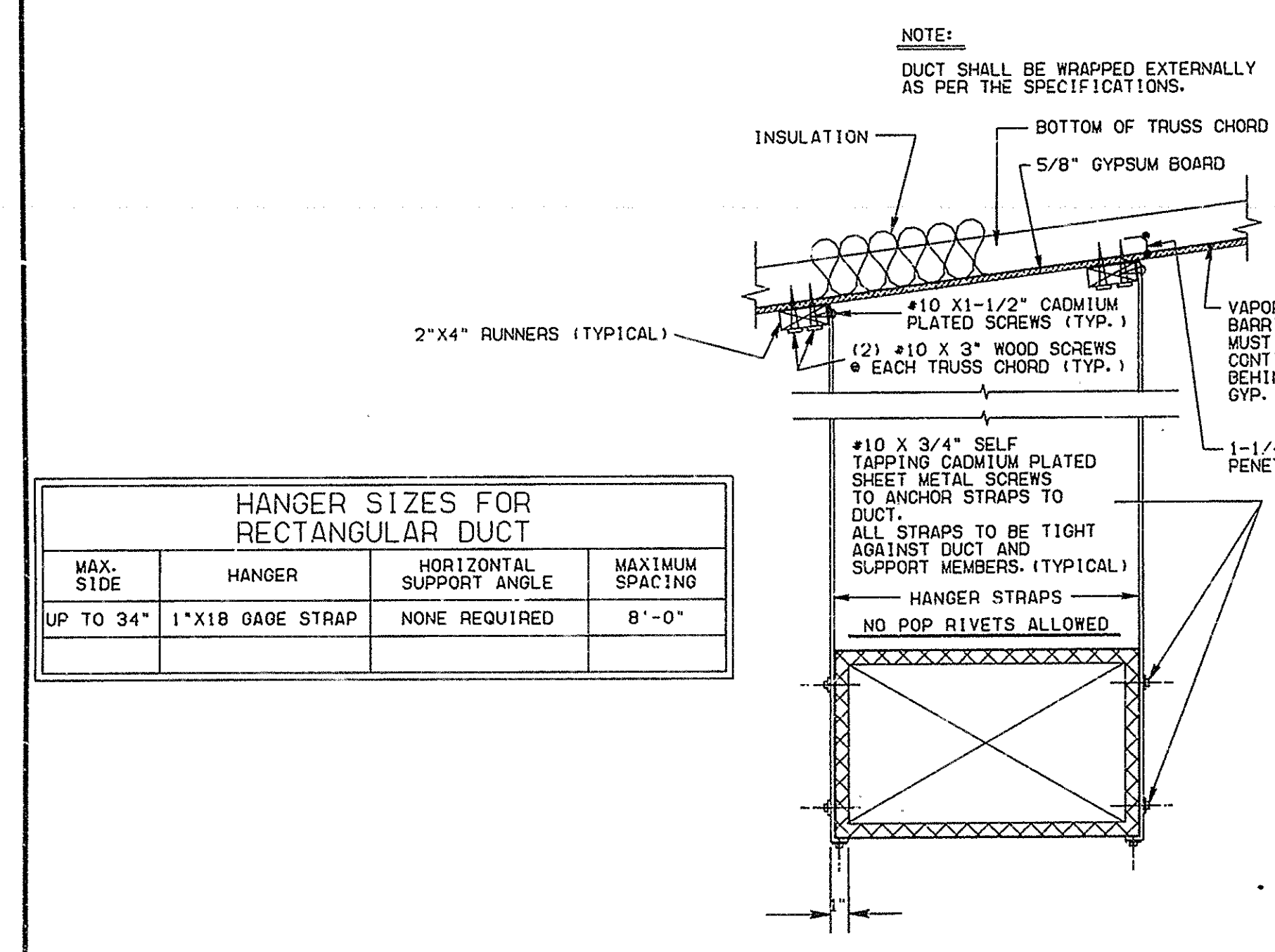
FIRE DAMPER INSTALLATION-SIDEWALL (A)
SCALE: NONE



TYPICAL DIFFUSER CONNECTION DETAIL (B)
SCALE: NONE

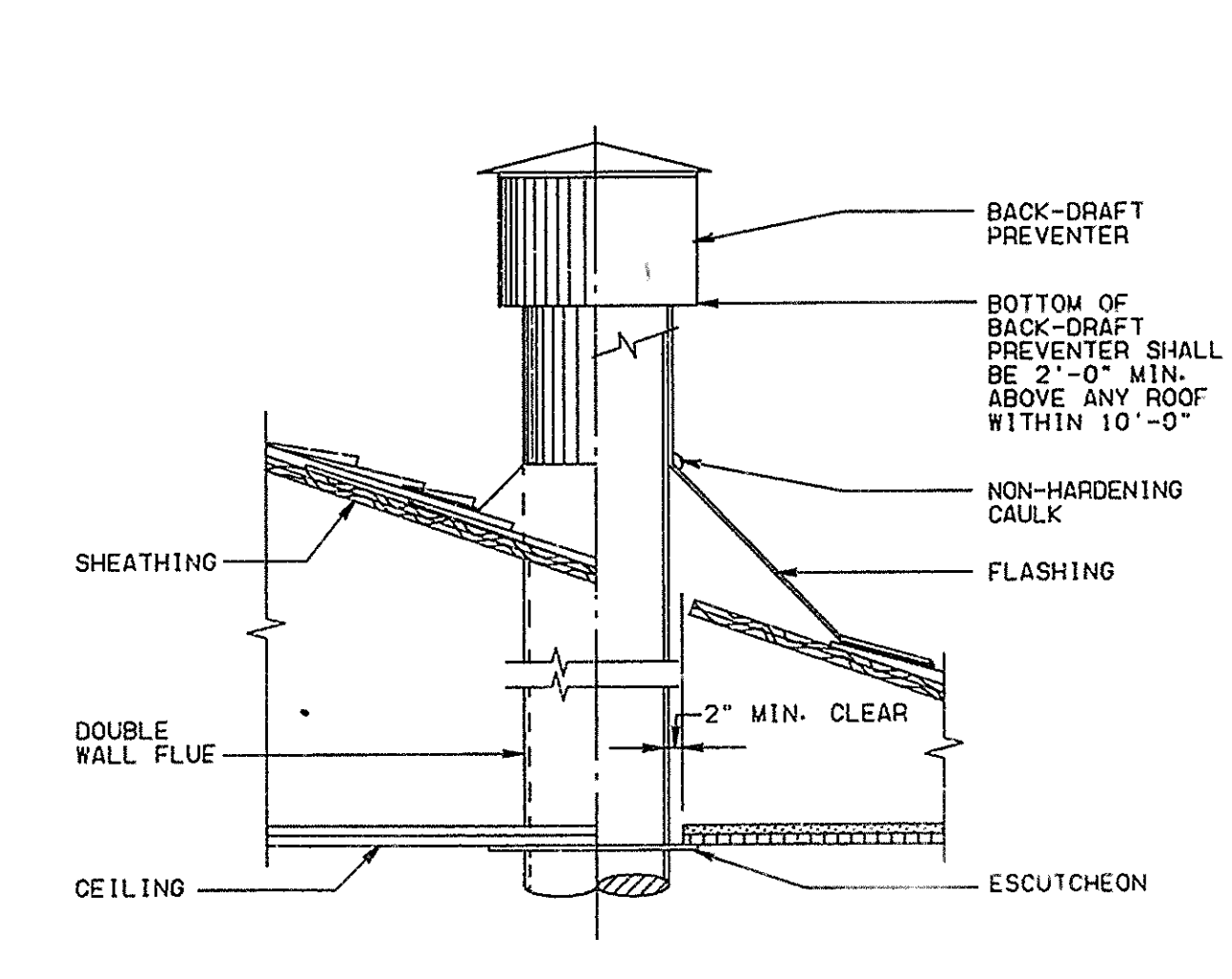


DUCT LINER DETAIL (C)
SCALE: NONE

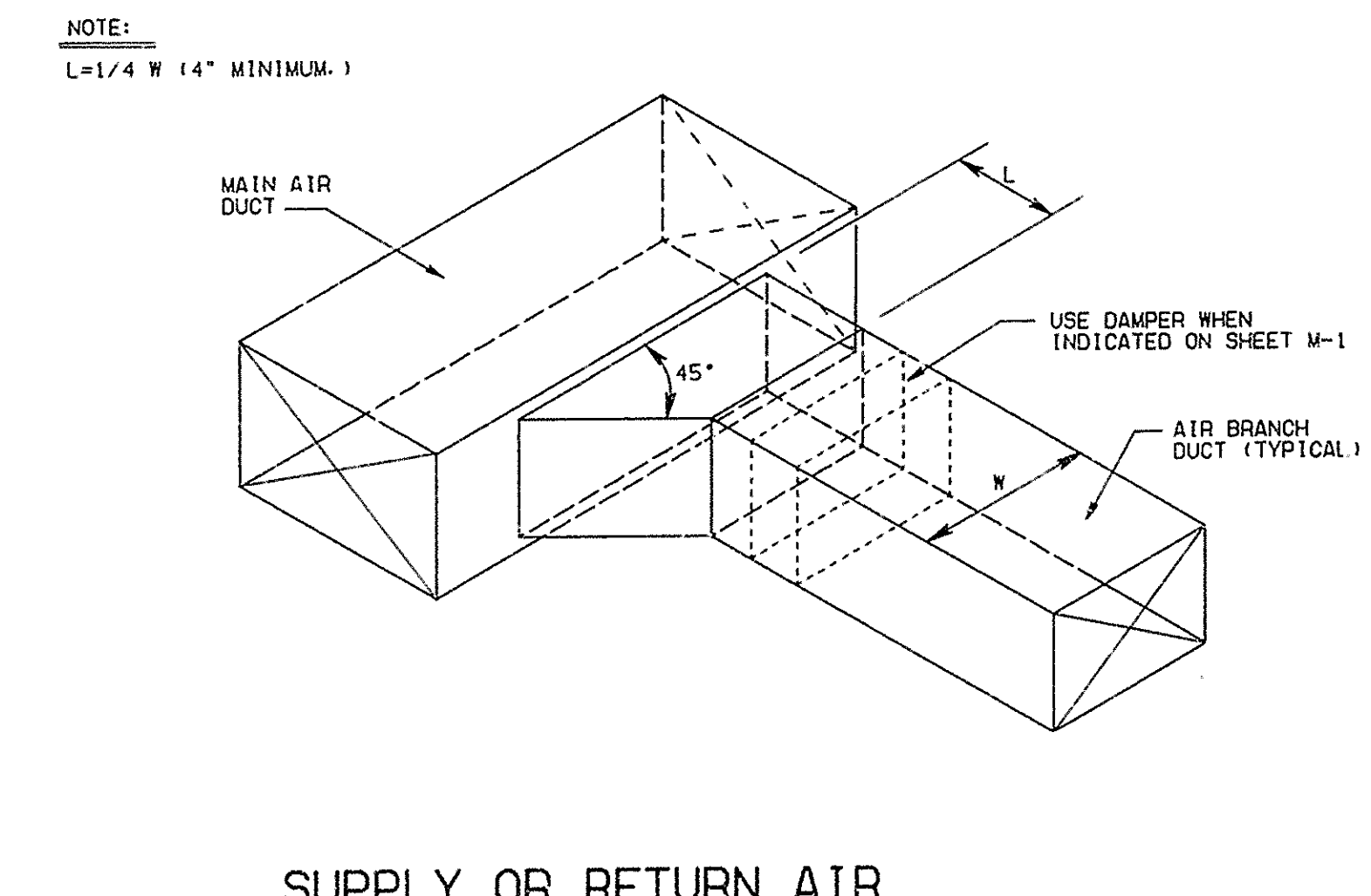


MAX. SIDE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
UP TO 34"	1" X 1/8" GAGE STRAP	NONE REQUIRED	8'-0"

DUCT STRAP HANGER DETAIL (D)
SCALE: NONE



FLUE THRU ROOF DETAIL (E)
SCALE: NONE

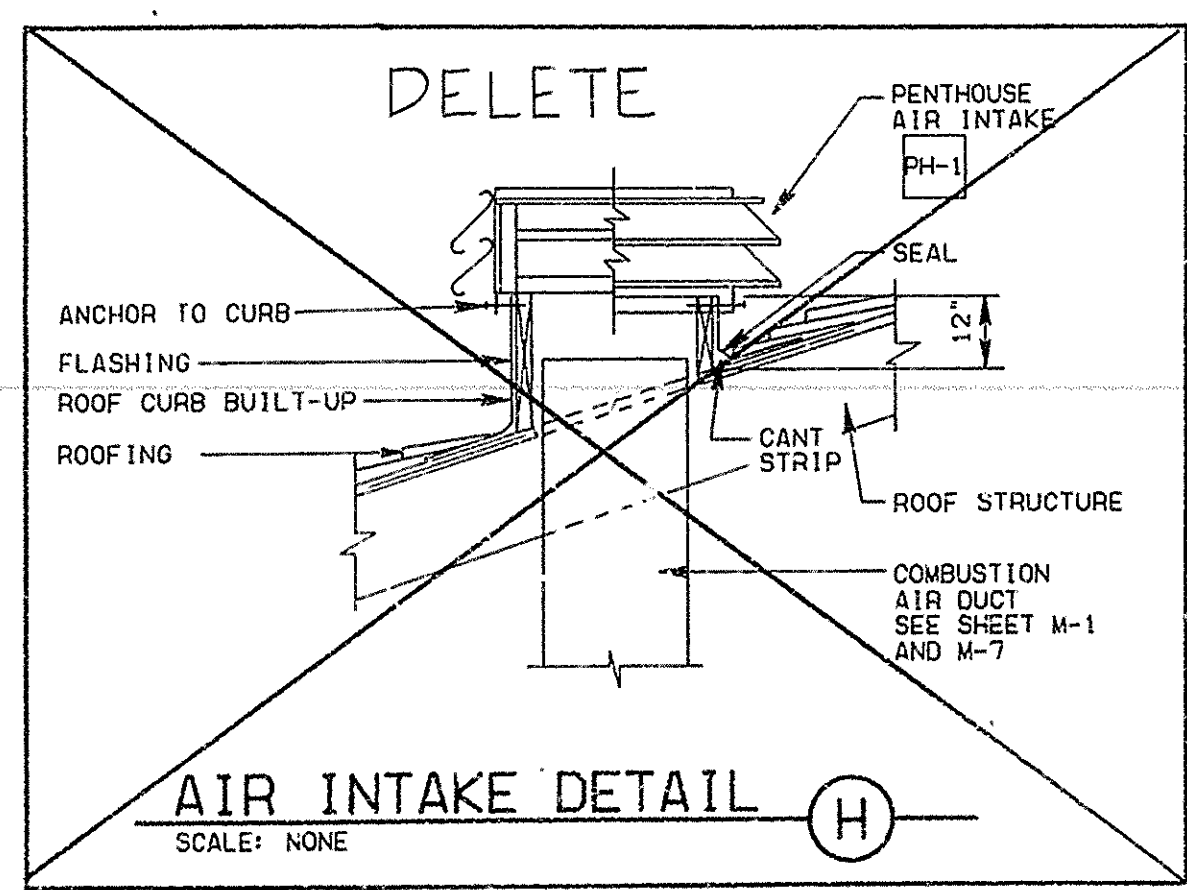


SUPPLY OR RETURN AIR DUCT CONNECTION DETAIL (F)
SCALE: NONE

DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	TRANSVERSE REINFORCING (1)			
			MIN. H. IN.	DRIVE SLIP	HEIMED SLIP	ALTER 'NT BAR SLIP
UP THRU 12	26	NONE REQUIRED	1	26	24	24
13 - 18	24	NONE REQUIRED	1	24	24	24
19 - 30	24	1" X 1" X 1/8" • 80 IN	1	-	24	24
31 - 42	22	1" X 1" X 1/8" • 80 IN	1	-	22	22

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

DUCT CONSTRUCTION DETAIL (G)
SCALE: NONE



AIR INTAKE DETAIL (H)
SCALE: NONE

DATE
MAR 16 1988

REVISIONS	DATE	BY	DESCRIPTION



THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
3rd & 7th Wards/Spokane North Stake
W. 5001 Shawano Avenue/Spokane, WA

scarten commings heflman & partners, p.c.
a r c h i t e c t s p l l c
spokane, washington 99201 (509) 838-2707

SHEET TITLE
MECHANICAL DETAILS

PROJECT NUMBER
DEVELOPMENT NUMBER
SAB7-227
SHEET NO.
M-10

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.

072887 JULY 1987

EXHAUST FAN SCHEDULE

MARK	NO. REQ'D	SERVES	MIN. S.C.F.M.	STATIC PRESSURE IN. W.G.	MOTOR				CONTROL	TYPE	
					MIN. HP	Ø	HERTZ	VOLTS			MAX. RPM
EF 1	1	SERVING AREA 109	180	1/8"	1/10	1	60	115	1050	0-1 HR. TIMER	CEILING
EF 2	1	WOMEN 115	200	1/8"	1/10	1	60	115	1050	0-15 MIN. TIMER	CEILING
EF 3	1	FOOT 117	200	1/8"	1/10	1	60	115	1050	0-1 HR. TIMER	CEILING
EF 4	1	MEN 119	200	1/8"	1/10	1	60	115	1050	0-15 MIN. TIMER	CEILING
EF 5	1	MOTHERS ROOM 153	100	1/8"	1/10	1	60	115	1050	0-15 MIN. TIMER	CEILING

① SET BALANCE DAMPERS SHOWN ON M-1 TO CFM LISTED.

AIR COOLED CONDENSING UNIT SCHEDULE ①②

MARK	NO. REQ'D	AREA SERVED	MIN. REQ'D MBH	MAX. FLA.	COMPRESSOR MOTOR				CONDENSER		MANUFACTURER MODEL NUMBER		
					NO.	MIN. HP	Ø	VOLTS	HERTZ	Ø		VOLTS	HERTZ
CU 1		OMIT											
CU 2		OMIT											
CU 3	1	ROOM 146, 147, 148, 149, 150	23.9	14.7	1	3	3	208	60	1	208	60	5676P036
CU 4	1	ROOM 156, 157, 159	25.0	17.2	1	3 1/2	3	208	60	1	208	60	5676P042
CU 5		OMIT											
CU 6		OMIT											
CU 7	1	ROOM 109, 110	31.2	18.7	1	4	3	208	60	1	208	60	5676P048
CU 8	1	ROOM 124, 125, 127	28.8	17.2	1	3 1/2	3	208	60	1	208	60	5676P042
CU 9	2	CULTURAL CENTER 173, 174	56.2	24.7	1	5	3	208	60	1	208	60	5676P060
CU 10	2	CHAPEL/CULT. 168, 169, 171	78.9	33.0	1	7 1/2	3	208	60	1	208	60	5698090
CU 11	1	ROOM 201, 202, 205	24.8	17.2	1	3 1/2	3	208	60	1	208	60	5676P042

① REFRIGERANT R-22
 ② AT DESIGN CONDITIONS AND 101° ENTERING AIR TEMPERATURE TO CONDENSER
 ③ CONDENSING UNIT MARKS CORRESPOND WITH COOLING COIL AND FURNACE MARKS.
 ④ MANUFACTURER NUMBERS LISTED ARE BDP. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.

DIFFUSER SCHEDULE ④⑤

MARK	C.F.M. RANGE	NECK SIZE	BLOW	PATTERN	AIR DIST./SIDE		ROUND TO SQUARE ADAPTER
					A (X)	B (X)	
D-1	50-110	6X6	3-WAY	AB	50	25	6"
D-2	100-150	6X6	4-WAY	AB	25	25	6"
D-3	185-280	9X9	4-WAY	AB	25	25	8"
D-4	350	12X12	2-WAY	AB	50	50	12"
D-5	300	12X12	3-WAY	AB	50	25	12"
D-6	300-470	12X12	4-WAY	AB	25	25	12"

FURNACE SCHEDULE ②③

MARK	NO. REQ'D	MIN. REQ'D OUTPUT BTU/HR	MINIMUM S.C.F.M.	EXT. S.P. IN. W.G.	MOTOR				MANUFACTURER MODEL NUMBER	
					MIN. HP	Ø	HERTZ	VOLTS		SPEED
F 1	1	93,000	1800	0.47	1/2	1	60	120	MED. LOW	395B060095
F 2	1	93,000	1800	0.47	1/2	1	60	120	MED. LOW	395B060095
F 3	1	77,000	1200	0.70	1/2	1	60	120	MED. HIGH	395B048080
F 4	1	77,000	1400	0.52	1/2	1	60	120	HIGH	395B048080
F 5	1	93,000	1800	0.47	1/2	1	60	120	MED. LOW	395B060095
F 6	1	77,000	1400	0.52	1/2	1	60	120	MED. HIGH	395B048080
F 7	1	93,000	1800	0.56	1/2	1	60	120	LOW	395B060095
F 8	1	77,000	1400	0.63	1/2	1	60	120	HIGH	395B048080
F 9	2	117,000	2000	0.64	1/2	1	56	120	HIGH	395B060120
F 10	4	93,000	1420	0.60	1/2	1	60	120	HIGH	395B048095
F 11	1	77,000	1400	0.63	1/2	1	60	120	HIGH	395B048080

① SEA LEVEL RATING
 ② FURNACE MARKS CORRESPOND WITH CONDENSING UNIT AND COOLING COIL MARKS.
 ③ MANUFACTURER NUMBERS LISTED ARE BDP. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
 ④ CAPACITIES SHOWN ARE FOR INDIVIDUAL FURNACES AND NOT FOR TANDEM TOTALS.
 ⑤ FOR ALTITUDES OVER 2000 FT., CHANGE BURNER ORIFICES TO MEET ALTITUDE NEEDS. (BY FURNACE DISTRIBUTOR)

COOLING COIL SCHEDULE ①

MARK	NO. REQ'D	MIN. REQ'D CAP		COND. ENT. EVAP.		C.F.M.	MAX. S.P. DP. IN. W.G.	REMARKS	MANUFACTURER MODEL NUMBER
		TOT. MBH	SEN. MBH	DB °F	WB °F				
CC 1								OMIT	
CC 2								OMIT	
CC 3	1	23.9	23.4	79.9	64.2	1200	0.26		519D036W
CC 4	1	25.0	24.4	80.7	64.4	1400	0.24		519D042
CC 5								OMIT	
CC 6								OMIT	
CC 7	1	31.2	30.4	80.6	64.3	1600	0.26		519D048W
CC 8	1	28.8	28.1	81.4	64.4	1400	0.24		519D042
CC 9	2	56.2	55.1	84.3	64.6	2000	0.29		518A060
CC 10	2	78.9	77.7	83.4	64.6	2840	0.18		507C090
CC 11	1	24.8	24.2	81.6	64.5	1400	0.24		519D042

① COMPLETE WITH FACTORY COIL BOX AND COIL
 ② MANUFACTURER NUMBERS LISTED ARE BDP. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.

REGISTER, LOUVER & GRILLE SCHEDULE

MARK	TYPE	SERVICE	CFM RANGE	NOMINAL SIZE	MANUFACTURERS NUMBERS	
						R-1
R-2	CEILING	④	R. A.	150-200	8X6	25RL
R-3	CEILING	④	R. A.	230-280	10X10	25RL
R-4	CEILING	④	R. A.	300-380	12X12	25RL
R-5	CEILING	④	R. A.	470-650	14X14	25RL
R-6	SIDEWALL	⑧	R. A.	610	18X14	1700
R-7	SIDEWALL	⑧	R. A.	650	24X12	1700
R-8	SIDEWALL	⑧	R. A.	500-1250	30X18	1700
S-1	SIDEWALL	⑧	S. A.	610	14X12	1700 ⑩
S-2	SIDEWALL	⑧	S. A.	500	14X10	1700 ⑩
S-3	SIDEWALL	⑧	S. A.	650	16X12	1700 ⑩
S-4	SIDEWALL	⑧	S. A.	780	18X12	1700 ⑩
S-5	SIDEWALL	⑧	S. A.	1000	24X12	1700 ⑩
G-1	GRILLE	④	T. A.	-	8X8	25RL
L-1	LOUVER	⑧	F. A. / C. A.	-	14X32	AIROLITE K-638 ⑧
L-2	LOUVER	⑧	F. A.	-	28X56	AIROLITE K-638 ⑧
L-3	LOUVER	⑧	F. A. / C. A.	-	32X56	AIROLITE K-638 ⑧
PH-1	PENTHOUSE	⑧	C. A.	-	12X20	COOK TRE ⑧
SG-1	SOFFIT GRILLE	⑦	E. A.	100-180	10X10	25RL
BD-1	BACKDRAFT DAMPER		E. A.	100-200	10X6	RUSKIN TYPE NMS *
TG-1	TRANS. GRILLE	④	T. A.	50-125	8X8	25RL
TG-2	TRANS. GRILLE	④	T. A.	-	12X12	25RL

* NON-METALLIC BACKDRAFT BLADES.
REGISTER, LOUVER, AND DIFFUSER SCHEDULE NOTES:
 ① MAXIMUM NC=25 • MAXIMUM OFF NOTED
 ② SHALL BE TITUS TDC TYPE 6 W/ MODEL 88 SQUARE/ ROUND ADAPTER OR EQUAL BY OTHER APPROVED MANUFACTURERS. (SEE SPECIFICATIONS)
 ③ NUMBERS SHOWN INDICATING TYPE ARE TITUS UNLESS OTHERWISE LISTED. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
 ④ FINISH SHALL BE OFF-WHITE BAKED ENAMEL.
 ⑤ FINISH SHALL BE SATIN ALUMINUM.
 ⑥ BRONZE ANODIZED ALUMINUM.
 ⑦ FINISH TO MATCH SOFFIT MATERIAL.
 ⑧ BAKED ENAMEL FINISH TO MATCH BUILDING WALL OR ROOF COLOR.
 ⑨ PROVIDE ALUMINUM BIRD SCREENS. BLANK OFF UNUSED PORTIONS.
 ⑩ SET REGISTER BLADES FOR 15° UPWARD DEFLECTION.

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.

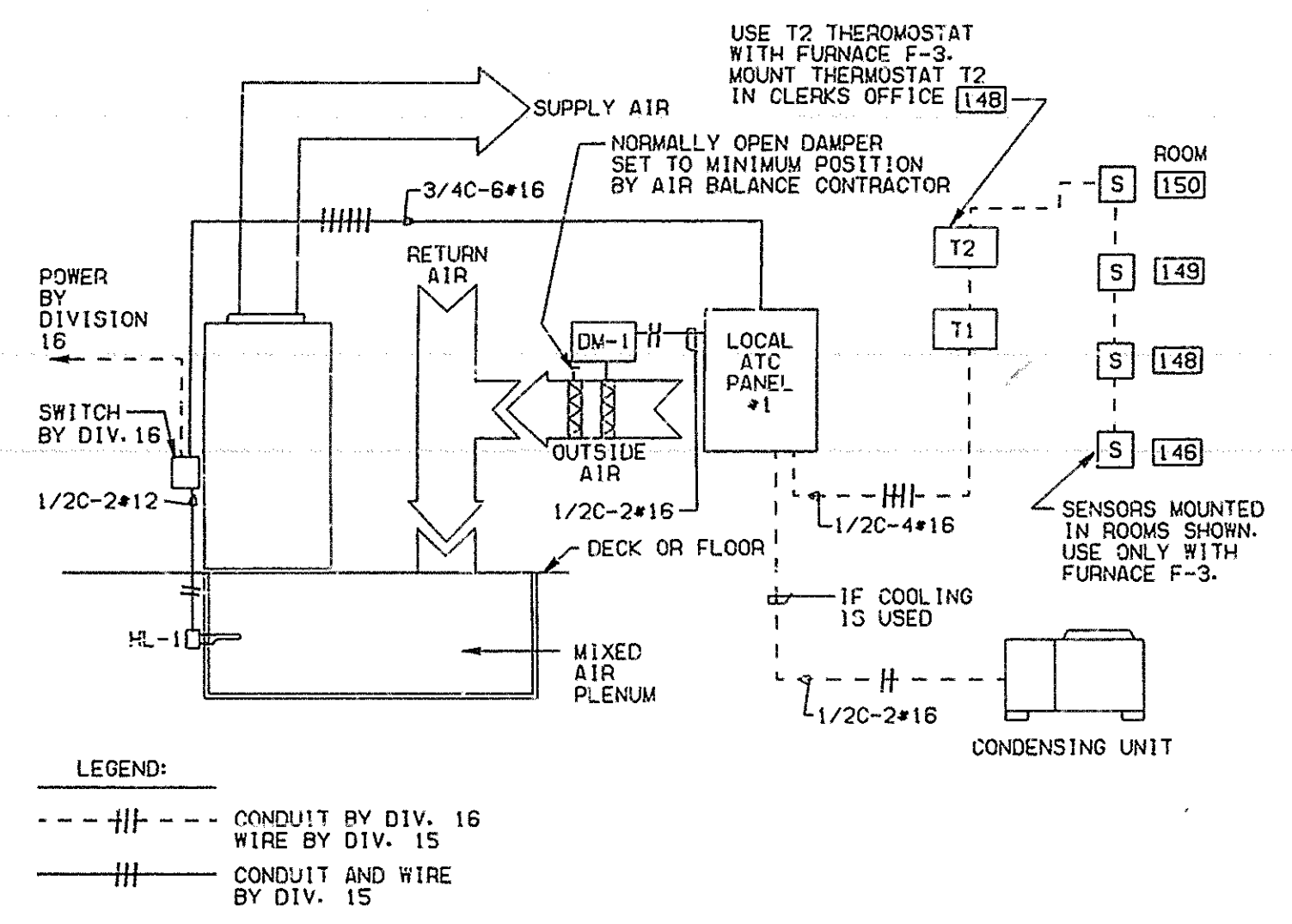


THE CHURCH OF
 JESUS CHRIST
 OF LATTER-DAY
 SAINTS
 3rd & 7th Wards/Spokane North Stake
 W. 5001 Chavanno Avenue/Spokane, WA

SHEEN CUMMINGS HEYMAN & PARTNERS, P.S.
 ARCHITECTS
 1000 PASEO DE LA SPOKANE
 SPOKANE, WASHINGTON 99201 (509) 838-2107

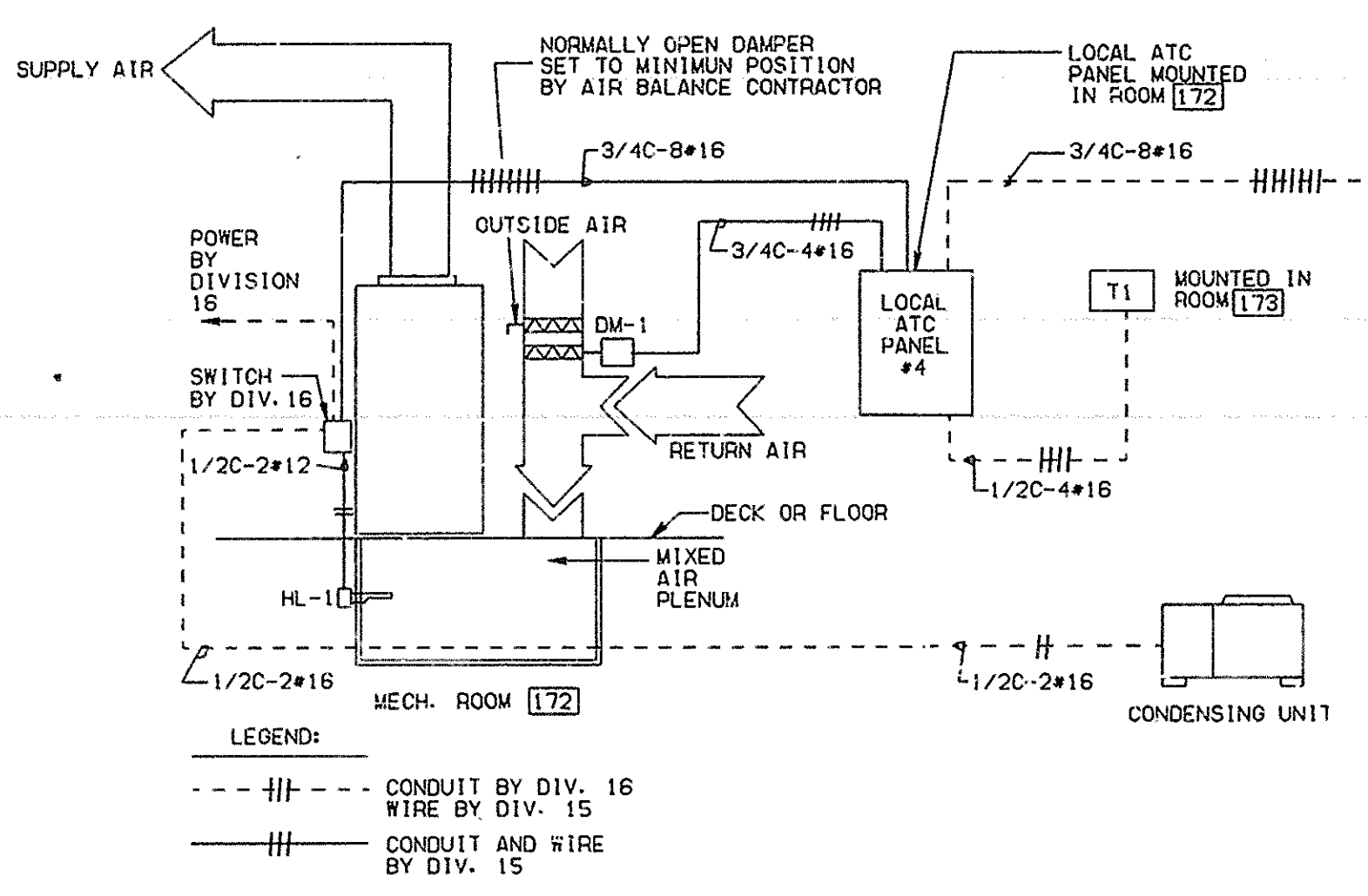
SCHEDULES

PROJECT NUMBER
 DEVELOPMENT NUMBER
 SA87-227
 SHEET NO.
 M-11



CONDUIT DIAGRAM
CLASSROOM SYSTEMS
TYPICAL OF FURNACES F-1 THRU F-8 & F-11

- NOTES:
- PASTE A COPY OF AS-BUILT CONTROL WIRING DIAGRAM ON BACK OF ATC PANEL DOOR COVER FOR EACH SYSTEM.
 - OMIT
 - INSTALL FIRESTAT IN RETURN AIR DUCT NEAR AIR HANDLER OR FURNACE.
 - IF CONDENSING UNITS FURNISHED HAVE THEIR OWN POWER SUPPLY IT MAY BE NECESSARY TO MOUNT ADDITIONAL RELAYS IN CONDENSING UNITS TO PROPERLY INTERFACE CONTROLS.
 - OMIT
 - SET SPEED TAP ON FURNACE MOTOR FOR SINGLE SPEED. SEE MECHANICAL DRAWINGS FOR CFM AND SPEED REQUIRED.

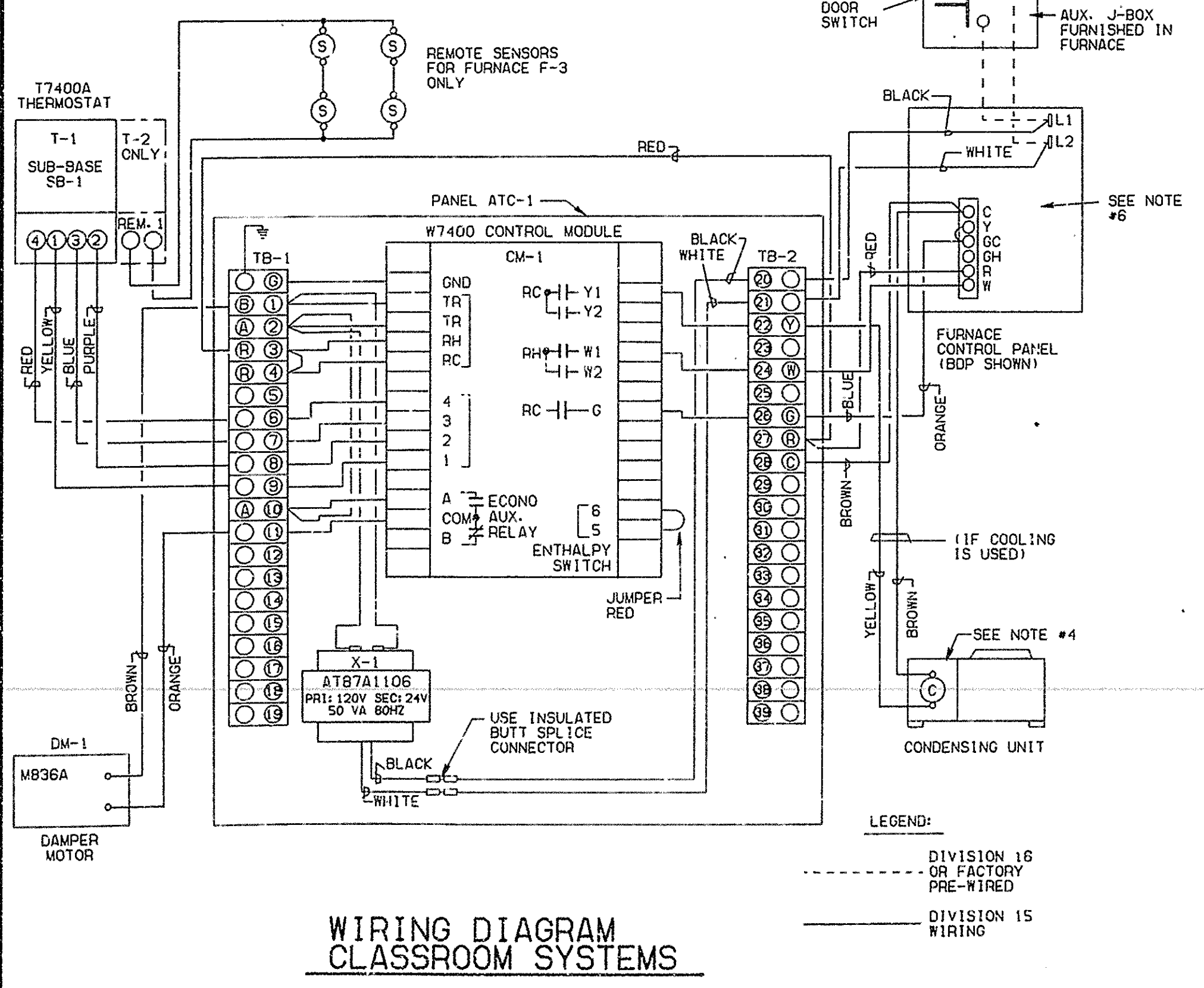


CONDUIT DIAGRAM
CULTURAL CENTER SYSTEMS
FOR SYSTEMS F-9 (CULTURAL CENTER)

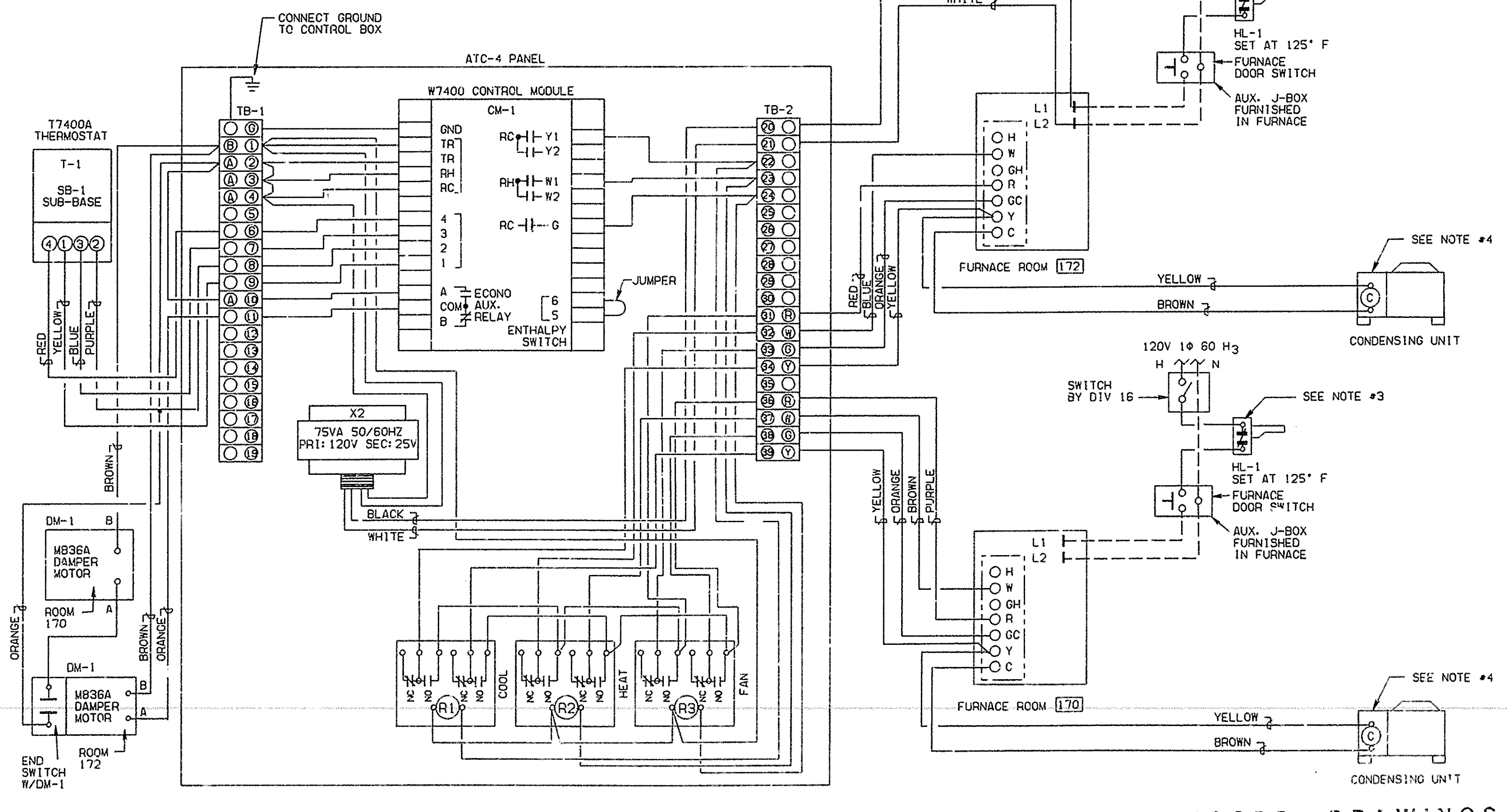
CONTROL EQUIPMENT

MARK	DESCRIPTION	CAT. NO. *
T-1	THERMOSTAT	T7400A1038
CM-1	CONTROL MODULE	W7400A1001
DM-1	DAMPER MOTOR	M836A1042
-	MOUNTING BASE	I6254AC
-	LINKAGE	Q298B1065
X-1	TRANSFORMER	AT87A1106
X-2	TRANSFORMER	Y66A1001
SB-1	THERMOSTAT SUB-BASE	Q7400D1003
ATC-1	CONTROL PANEL 18X12X4W/COVER	CIRCLE-AW
HL-1	FIRESTAT	L4028E1227
R1-R4	RELAY 2PDT	R8222D1014
-	THERMOSTAT GUARD	T0501A1010
TB-1	TERMINAL STRIP	AMP
TB-2	TERMINAL STRIP	AMP
-	THERMOSTAT GUARD	SHAW
-	CULT. CENTER	PERKINS
T-2	THERMOSTAT	T7400B1036
S	SENSOR	T7047C1025
ATC-4	CONTROL PANEL 18X18X4W/COVER	CIRCLE-AW

* ALL CATALOG NUMBERS SHOWN ARE HONEYWELL NUMBERS UNLESS OTHERWISE SPECIFIED.
** JOHNSON CONTROL CO. CAT. NO.
TERMINAL STRIP BY AMP PART NO. 1-504101-1 "FLEX1BLOCK FB-6"



WIRING DIAGRAM
CLASSROOM SYSTEMS



WIRING DIAGRAM
CULTURAL CENTER SYSTEMS
FOR SYSTEMS F-9 (CULTURAL CENTER)

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.

REVISIONS

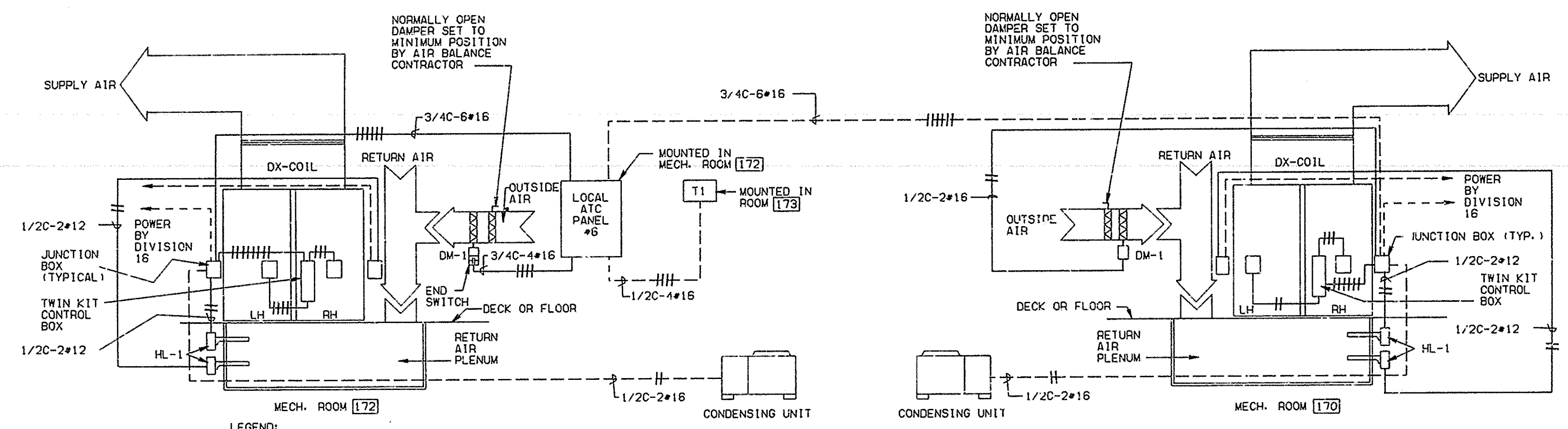
THE CHURCH of JESUS CHRIST of LATTER-DAY SAINTS
3rd & 7th Wards/Spokane North Side
W. 5001 Shawano Avenue/Spokane, WA

DRAWN BY: _____ CHECKED BY: _____
PROJECT NUMBER: SA87-227
DEVELOPMENT NUMBER: SA87-227
SHEET NO.: M-12

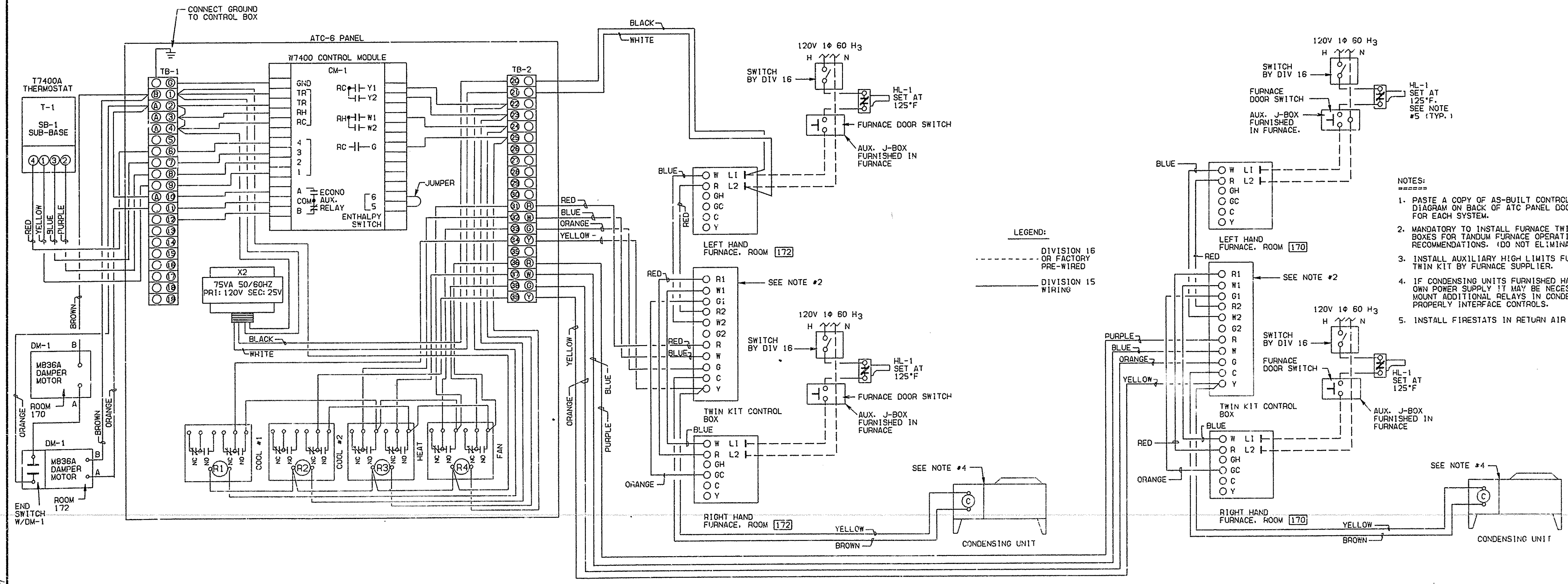
072887 JULY 1987

MARK	DESCRIPTION	CAT. NO. *
T-1	THERMOSTAT	T7400A1058
CM-1	CONTROL MODULE	W7400A1001
DM-1	DAMPER MOTOR	M836A1042
-	MOUNTING BASE	16254AC
-	LINKAGE	0298B1065
** X-2	TRANSFORMER	Y68AUD-1
SB-1	THERMOSTAT SUB-BASE	Q7400D1005
ATC-6	CONTROL PANEL 18X18X4#/COVER	CIRCLE-AW
R1-R4	RELAY 2PDT	R822D1014
-	THERMOSTAT GUARD	T6501A1010
TB-1	TERMINAL STRIP	AMP
TB-2	TERMINAL STRIP	AMP
HL-1	FIRESTAT	L4029E1227

* ALL CATALOG NUMBERS SHOWN ARE HONEYWELL NUMBERS UNLESS OTHERWISE SPECIFIED.
** JOHNSON CONTROL CO. CAT. NO.
TERMINAL STRIP BY AMP PART NO. 1-604101-1 "FLEXIBLOCK FB-6"



CONDUIT DIAGRAM FOR CHAPEL SYSTEMS
FOR DOUBLE TANDEM SYSTEMS F-10 (CHAPEL)



WIRING DIAGRAM - CHAPEL SYSTEMS
FOR DOUBLE TANDEM SYSTEMS F-10 (CHAPEL)

- NOTES:
- PASTE A COPY OF AS-BUILT CONTROL WIRING DIAGRAM ON BACK OF ATC PANEL DOOR COVER FOR EACH SYSTEM.
 - MANDATORY TO INSTALL FURNACE TWIN KIT CONTROL BOXES FOR TANDEM FURNACE OPERATION PER MFG. RECOMMENDATIONS. (DO NOT ELIMINATE TWIN KITS)
 - INSTALL AUXILIARY HIGH LIMITS FURNISHED WITH TWIN KIT BY FURNACE SUPPLIER.
 - IF CONDENSING UNITS FURNISHED HAVE THEIR OWN POWER SUPPLY IT MAY BE NECESSARY TO MOUNT ADDITIONAL RELAYS IN CONDENSING UNITS TO PROPERLY INTERFACE CONTROLS.
 - INSTALL FIRESTATS IN RETURN AIR DUCT NEAR FURNACE.

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT AND ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.

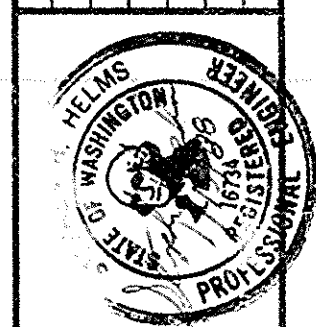
REVISIONS

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
 3rd & 7th Wards/Spokane North Stake
 W. 5001 Shawnee Avenue/Spokane, WA

DRAWN BY: _____
 CHECKED BY: _____
 PROJECT NUMBER: _____
 DEVELOPMENT NUMBER: SAR7-227
 SHEET NO.: M-13

072887 JULY 1987

REVISIONS

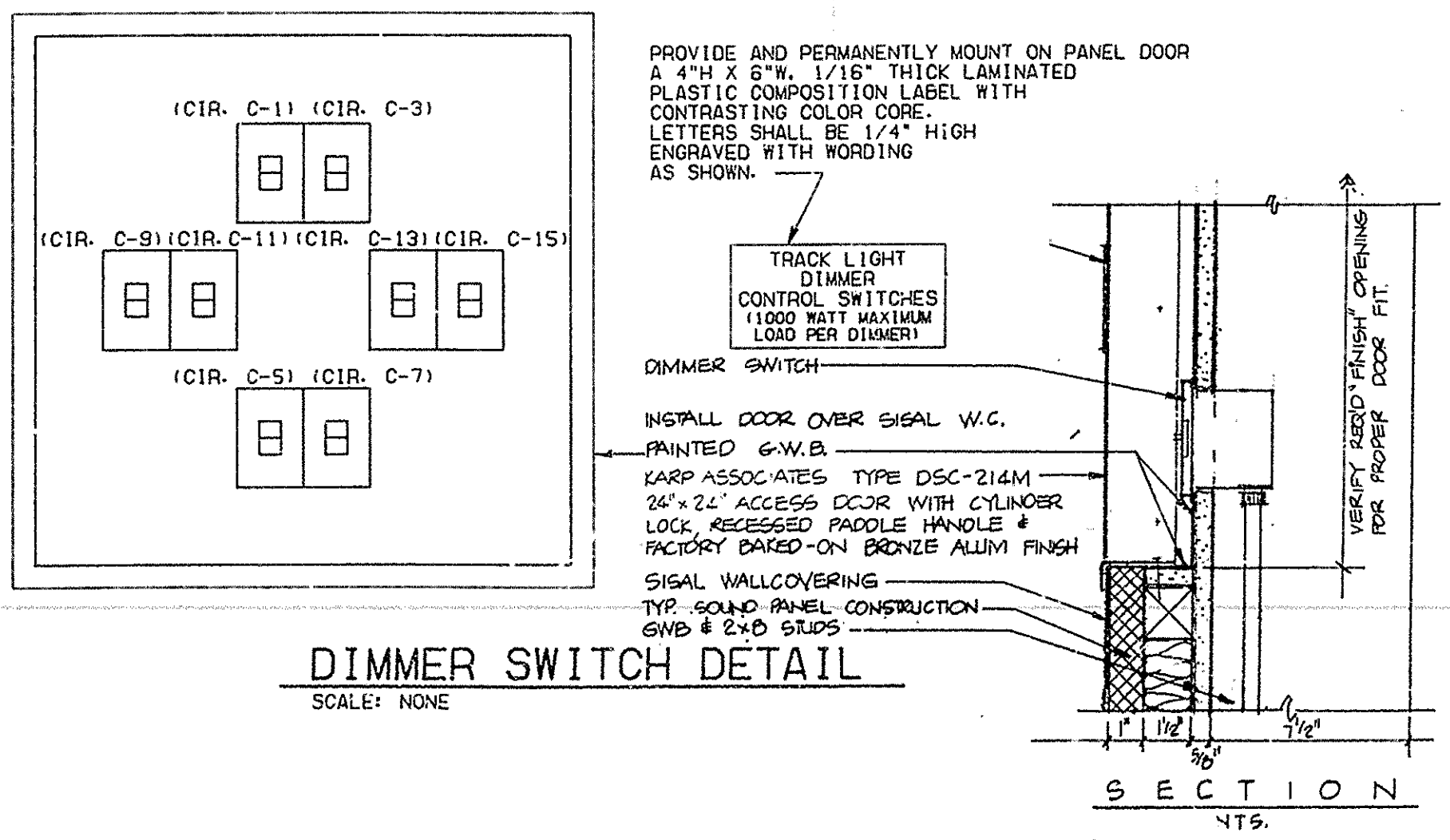
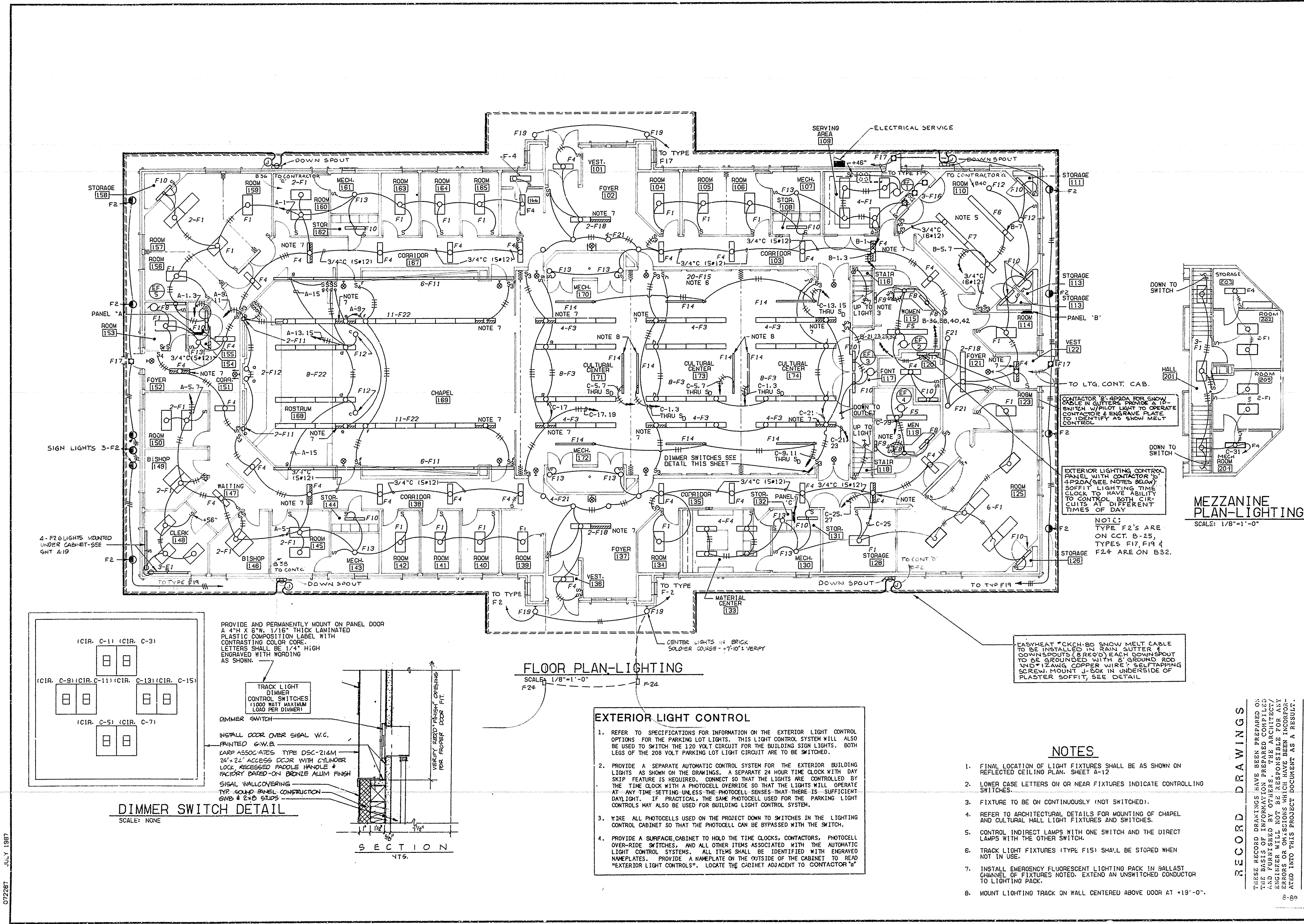


THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
3rd & 7th Wards/Spokane North State
P.O. Box 2001 Spokane, Washington, WA

warren cummings hayman & partners, ps
architects
1000 parkade plaza
spokane, washington 99201 (509) 838-2707

SHEET TITLE
LIGHTING PLAN

DESIGN BY
D.A.A.
CHECKED BY
S.H.H.
PROJECT NUMBER
DEVELOPMENT NUMBER
SA87-227
SHEET NO.
E-1



FLOOR PLAN-LIGHTING
SCALE: 1/8"=1'-0"

EXTERIOR LIGHT CONTROL

- REFER TO SPECIFICATIONS FOR INFORMATION ON THE EXTERIOR LIGHT CONTROL OPTIONS FOR THE PARKING LOT LIGHTS. THIS LIGHT CONTROL SYSTEM WILL ALSO BE USED TO SWITCH THE 120 VOLT CIRCUIT FOR THE BUILDING SIGN LIGHTS. BOTH LEGS OF THE 208 VOLT PARKING LOT LIGHT CIRCUIT ARE TO BE SWITCHED.
- PROVIDE A SEPARATE AUTOMATIC CONTROL SYSTEM FOR THE EXTERIOR BUILDING LIGHTS AS SHOWN ON THE DRAWINGS. A SEPARATE 24 HOUR TIME CLOCK WITH DAY SKIP FEATURE IS REQUIRED. CONNECT SO THAT THE LIGHTS ARE CONTROLLED BY THE TIME CLOCK WITH A PHOTOCELL OVERRIDE SO THAT THE LIGHTS WILL OPERATE AT ANY TIME SETTING UNLESS THE PHOTOCELL SENSES THAT THERE IS SUFFICIENT DAYLIGHT. IF PRACTICAL, THE SAME PHOTOCELL USED FOR THE PARKING LIGHT CONTROLS MAY ALSO BE USED FOR BUILDING LIGHT CONTROL SYSTEM.
- WIRE ALL PHOTOCELLS USED ON THE PROJECT DOWN TO SWITCHES IN THE LIGHTING CONTROL CABINET SO THAT THE PHOTOCELL CAN BE BYPASSED WITH THE SWITCH.
- PROVIDE A SURFACE CABINET TO HOLD THE TIME CLOCKS, CONTACTORS, PHOTOCELL OVERRIDE SWITCHES, AND ALL OTHER ITEMS ASSOCIATED WITH THE AUTOMATIC LIGHT CONTROL SYSTEMS. ALL ITEMS SHALL BE IDENTIFIED WITH ENGRAVED NAMEPLATES. PROVIDE A NAMEPLATE ON THE OUTSIDE OF THE CABINET TO READ "EXTERIOR LIGHT CONTROLS". LOCATE THE CABINET ADJACENT TO CONTACTOR "B".

EXTERIOR LIGHTING CONTROL PANEL WITH CONTACTOR "B" 4"X24" (SEE NOTES BELOW) SOFFIT LIGHTING TIME CLOCK TO HAVE ABILITY TO CONTROL BOTH CIRCUITS AT DIFFERENT TIMES OF DAY.

NOTES:
TYPE F2'S ARE ON CCT. B-25;
TYPES F17, F19 & F24 ARE ON B32.

- NOTES**
- FINAL LOCATION OF LIGHT FIXTURES SHALL BE AS SHOWN ON REFLECTED CEILING PLAN. SHEET A-12
 - LOWER CASE LETTERS ON OR NEAR FIXTURES INDICATE CONTROLLING SWITCHES.
 - FIXTURE TO BE ON CONTINUOUSLY (NOT SWITCHED).
 - REFER TO ARCHITECTURAL DETAILS FOR MOUNTING OF CHAPEL AND CULTURAL HALL LIGHT FIXTURES AND SWITCHES.
 - CONTROL INDIRECT LAMPS WITH ONE SWITCH AND THE DIRECT LAMPS WITH THE OTHER SWITCH.
 - TRACK LIGHT FIXTURES (TYPE F15) SHALL BE STORED WHEN NOT IN USE.
 - INSTALL EMERGENCY FLUORESCENT LIGHTING PACK IN BALLAST CHANNEL OF FIXTURES NOTED. EXTEND AN UNSWITCHED CONDUCTOR TO LIGHTING PACK.
 - MOUNT LIGHTING TRACK ON WALL CENTERED ABOVE DOOR AT +19'-0".

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCURRED OR NOTICED INTO THIS PROJECT DOCUMENTS AS A RESULT.

012287 JULY 1987

DATE
MAR 16 1988

REVISIONS
R1: FURNACE CIRCUIT CHANGES



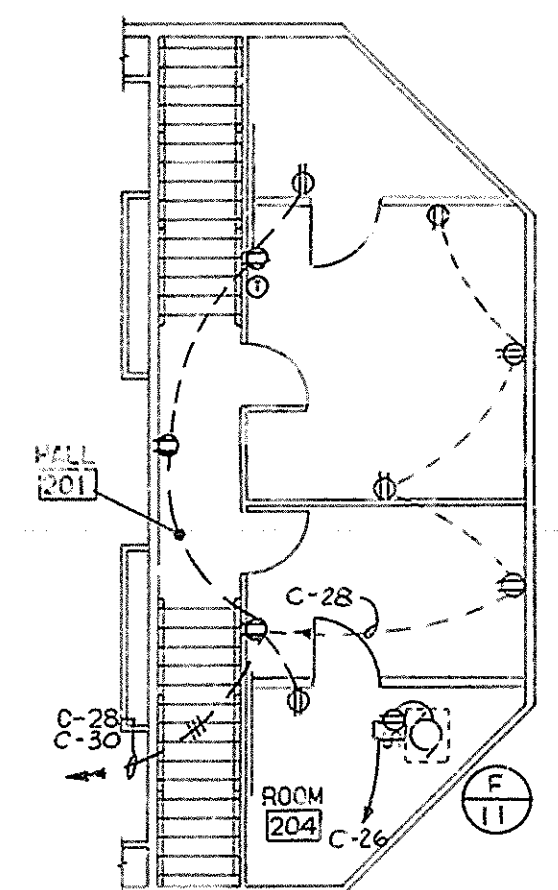
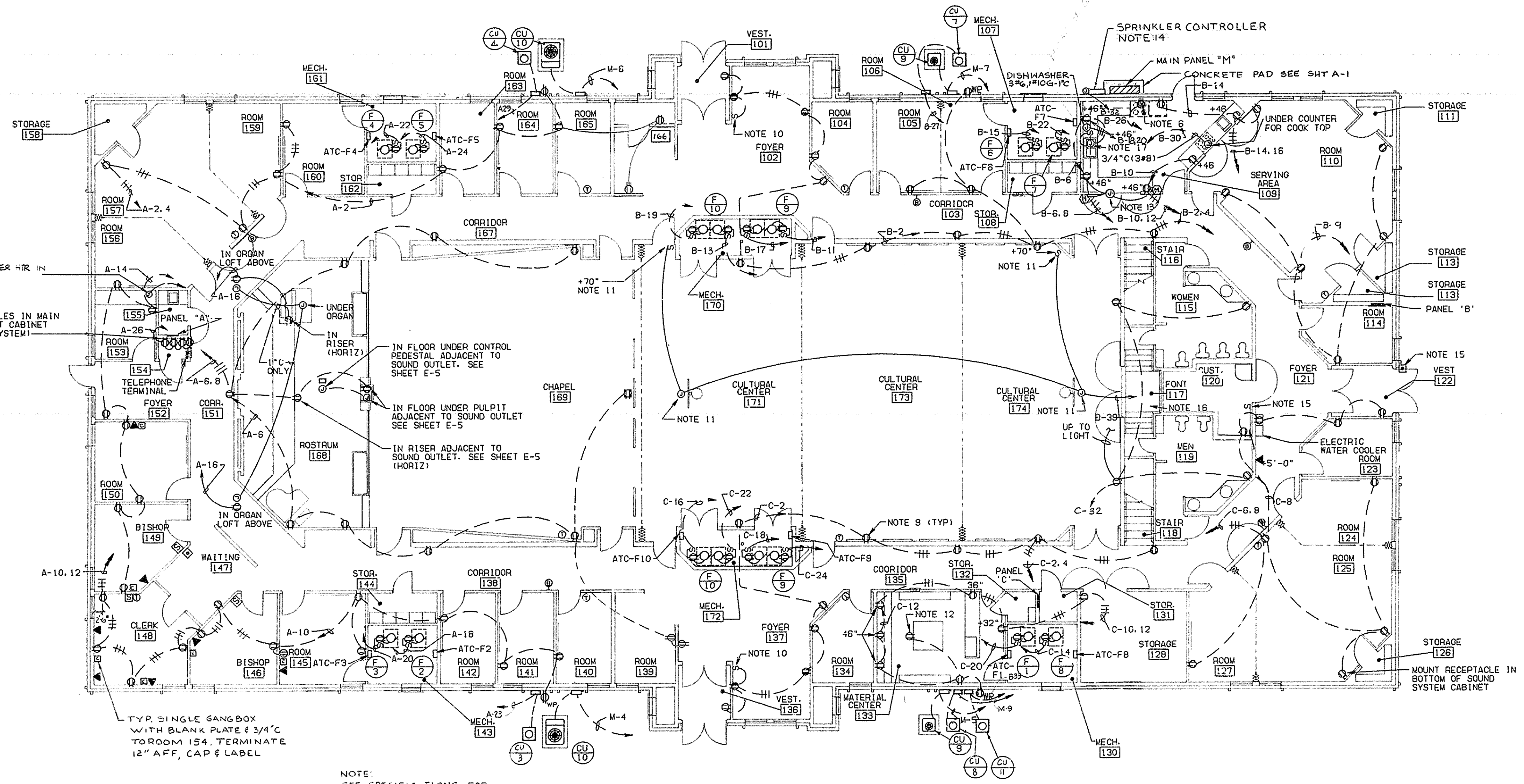
THE CHURCH OF JESUS CHRIST
OF LATTER-DAY SAINTS
948 S. 7th W. Georgetown North Ste. 10
W. 500 S. Shoreline Avenue, Shoreline, WA

Warren Cummings Hayman & Partners, P.S.
Architects
100 Parkade Plaza
Spokane, Washington 99201 (509) 838-2707

SHEET TITLE
POWER PLAN

DESIGNED BY: D.A.A.
CHECKED BY: S.H.H.
PROJECT NUMBER
DEVELOPMENT NUMBER
SAB7-227

SHEET NO.
E-2



FLOOR PLAN-POWER
SCALE: 1/8"=1'-0"

NOTES

- MECHANICAL EQUIPMENT AND LOCATIONS SHALL BE VERIFIED WITH MECHANICAL PLANS.
- EXHAUST FANS ARE SHOWN ON SHEET E-1.
- REFER TO EQUIPMENT SCHEDULE FOR EQUIPMENT FEEDER INFORMATION.
- SEE SHEET M-2 FOR MOUNTING OF DISCONNECT SWITCHES AND COORDINATION WITH LOCAL ATC PANELS.
- COORDINATE INSTALLATION OF BOXES IN CEILING AND EXTERIOR WALLS TO MINIMIZE INTERRUPTION OF VAPOR BARRIER. SEAL ANY PENETRATIONS. SEE SHEET A-20.
- MOUNT RANGE RECEPTACLE OUTLET AT FLOOR LINE AND SIX INCHES OFF CENTERLINE OF RANGE.
- MOUNT RECEPTACLES IN CABINET AT BOTTOM. SEE SHEET E-5.
- REFER TO SPECIFICATIONS 16 670 AND SHEET 9-10 FOR LIGHTNING PROTECTION SYSTEM INSTALLATION.
- REFER TO C/A-14 FOR WALL CONSTRUCTION. LOCATE CONDUITS AND/OR PROVIDE BOX EXTENSIONS AS REQUIRED.
- SWITCH TO CONTROL TOP HALF OF W/TH SPLIT WIRED DUPLEX RECEPTACLES.
- COORDINATE LOCATION OF JUNCTION BOX AND CIRCUIT SIZE WITH ACTUAL MOTORIZED BACKBOARD EQUIPMENT INSTALLED. CONTROL SWITCH IS SUPPLIED WITH EQUIPMENT.
- REFER TO DETAILS ON SHEET A-17 FOR MOUNTING OF RECEPTACLE IN FACE OF CABINET WORK.
- J-BOX ABOVE CEILING AND CONNECTED TO DOOR HOLDERS (ROOM 109).
- AUTOMATIC SPRINKLER CONTROLLER EXTERIOR MTD. PROVIDE ISOVAL CONNECTION AS REQUIRED.
- OUTSIDE PUSHBUTTON SWITCH. SEE SIGNAL SYSTEM DIAGRAM. SHEET E-4.
- BOND METAL PARTS NEAR FONT SUCH AS REBAR, HANDRAILS, CONDUITS, ETC. INTO A COMMON BONDING GRID USING #8 BARE COPPER MIN. AS REQUIRED BY NEC 680-22.
- MOUNT JUNCTION BOX UNDER SINK FOR FUTURE DISPOSER.

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PREPARED, COMPILED AND FURNISHED BY OTHERS. THE ARCHITECT/ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS PROJECT DOCUMENT AS A RESULT.

072887 JULY 1987

