EXISTING PANEL: B

LOCATION:
BUS RATING: 225.0 A
MAIN BREAKER:

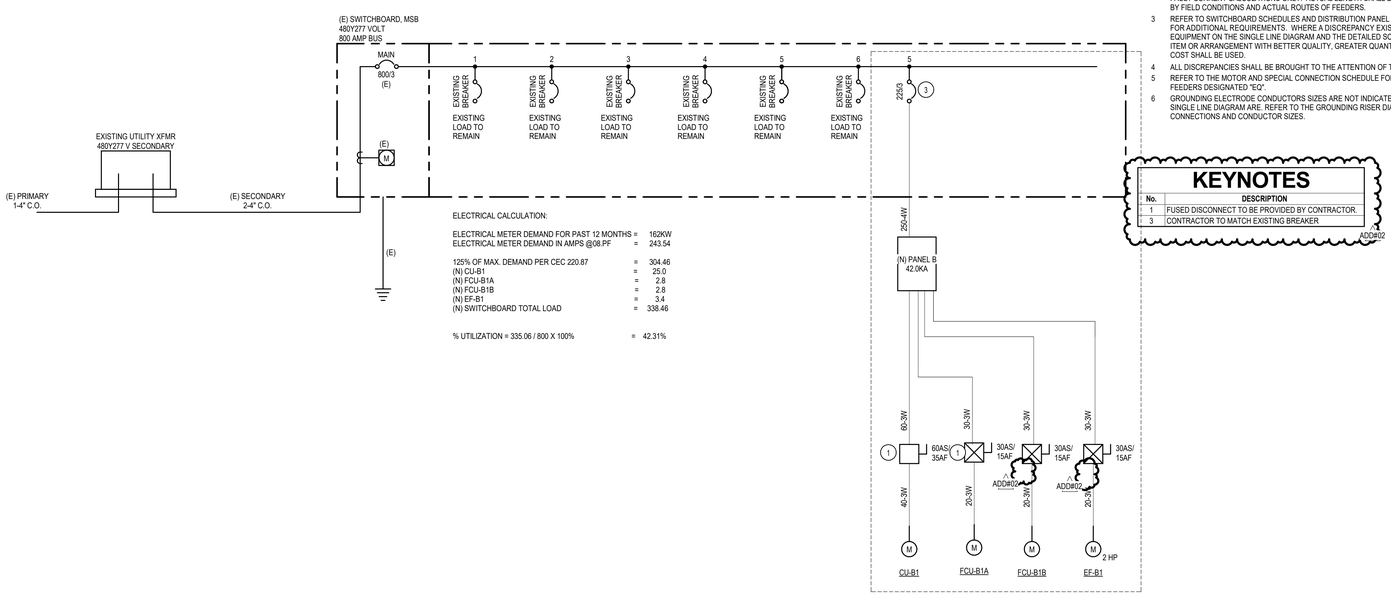
VOLTS: 480Y/277
PHASES: 3
WIRES: 4
SCCR:

MOUNTING: SURFACE
FED FROM:
INTEGRAL SPD: Type 1
LUG ACCESSORIES: SEE ONE-LINE

CKT	CIRCUIT DESCRIPTION	BKR TRIP	P	BKR TYPE	LOAD TYPE	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD TYPE	BKR TYPE	P	BKR TRIP	CIRCUIT DESCRIPTION	CKT
1						942								2
3	EF-B1	15	3		M		942							4
5								942						6
7						620								8
9	FCU-B1B	15	3		Motor		620							10
11								620						12
13						620								14
15	FCU-B1A	15	3		Motor		620							16
17								620						18
19						9,695								20
21	CU-B1	35	3		M		9,695							22
23								9,695						24
25														26
27														28
29														30
					TOTAL LOAD:	11877 VA	11877 VA	11877 VA						
					TOTAL AMPS	42.9 A	42.9 A	42.9 A						

LOAD TYPE	LOAD DESCRIPTION	CONNECTED LOAD (VA)	DEMAN D...	ESTIMATED DEMAND (VA)	DEMAND FACTOR NOTES	BKR TYPE	PANEL TOTALS
L	LIGHTING	0 VA	0.00%	0 VA	CONTINUOUS LOAD @ 125%	G = GFCI (5mA)	
R	RECEPTACLES	0 VA	0.00%	0 VA	FIRST 10KVA @ 100%, REMAINDER @ 50%	GP = GFCI (30mA)	**CONNECTED LOAD:** 32 kVA
K	KITCHEN	0 VA	0.00%	0 VA	NON-DWELLING KITCHEN LOADS, NEC ART. 220	ST = SHUNT TRIP	**ESTIMATED DEMAND:** 39 kVA
LM	LARGEST MOTOR	0 VA	0.00%	0 VA	LARGEST MOTOR, NEC ART. 430	LO = LOCK OUT	**CONNECTED CURRENT:** 38.4 A
M	MOTOR	31910 VA	122.79%	39182 VA			**EMD CURRENT:** 47.1 A
C	COOLING	0 VA	0.00%	0 VA			
H	HEATING	0 VA	0.00%	0 VA			
O	OTHER	0 VA	0.00%	0 VA			
Spare	SPARE	0 VA	0.00%	0 VA			

NOTES:
APPROX. WEIGHT = 124 LBS



1 / E5.1 One-Line Diagram
NO SCALE

GENERAL SINGLE LINE NOTES

1. OVERCURRENT DEVICES OF ENTIRE DISTRIBUTION SYSTEM SHALL MEET STATED FAULT CURRENT VALUES WITH FULLY RATED EQUIPMENT.
2. CONDUCTOR LENGTHS INDICATED ON THE SINGLE LINE DIAGRAM ARE FOR FAULT CURRENT CALCULATIONS ONLY. ACTUAL LENGTH SHALL BE DETERMINED BY FIELD CONDITIONS AND ACTUAL ROUTES OF FEEDERS.
3. REFER TO SWITCHBOARD SCHEDULES AND DISTRIBUTION PANEL SCHEDULES FOR ADDITIONAL REQUIREMENTS. WHERE A DISCREPANCY EXISTS BETWEEN EQUIPMENT ON THE SINGLE LINE DIAGRAM AND THE DETAILED SCHEDULES, THE ITEM OR ARRANGEMENT WITH BETTER QUALITY, GREATER QUANTITY, OR HIGHER COST SHALL BE USED.
4. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
5. REFER TO THE MOTOR AND SPECIAL CONNECTION SCHEDULE FOR ALL FEEDERS DESIGNATED "EC"
6. GROUNDING ELECTRODE CONDUCTORS SIZES ARE NOT INDICATED ON THE SINGLE LINE DIAGRAM ARE. REFER TO THE GROUNDING RISER DIAGRAM FOR CONNECTIONS AND CONDUCTOR SIZES.

KEYNOTES

No.	DESCRIPTION
1	FUSED DISCONNECT TO BE PROVIDED BY CONTRACTOR.
3	CONTRACTOR TO MATCH EXISTING BREAKER

1 ADD#02

CYPRESS ES AC UNIT REPLACEMENT

TAGS	EXISTING UNIT ELECTRICAL V/PH	MCA	FLA	MOCP	PANEL/ CKT#	FEEDER SIZE	DISCONNECT	TAGS	DIRECT REPLACEMENT? Y/N	CFM	NEW UNIT ELECTRICAL V-PH	MCA	MOCP	PANEL/ CKT#	DISCONNECT	FEEDER	REQUIRED?	POWER EXHAUST Model#	MCA	MOCP	FEEDER SIZE	DISCONNECT	NOTES
NA	NA	NA	NA	NA	NA	NA	-	CU-B1 (BLDG. B)	NO		460-3	25	35	B-1,3,5	60A (35A FUSE)	3#6+1#10GND-0.75"C	NO				NA		
NA	NA	NA	NA	NA	NA	NA	-	FCU-B1A (BLDG. B)	NO	2,236	460-3	2.8	15	B-7,9,11	30A (15A FUSE)	3#12, 1#12GND-0.75"C	NO				NA		
NA	NA	NA	NA	NA	NA	NA	-	FCU-B1B (BLDG. B)	NO	2,236	460-3	2.8	15	B-13,15,17	30A (15A FUSE)	3#12, 1#12GND-0.75"C	NO				NA		
CU/FCU-C1 (BLDG C)	208/1	22.875	18.3	30	LI-1,3	2#10, 1#10GND-0.75"C	30	RTU-C1	Y	1,200	208-1	26	30	LI-1,3	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-C2 (BLDG C)	208/1	22.875	18.3	30	LI-2,4	2#10, 1#10GND-0.75"C	30	RTU-C2	Y	1,200	208-1	26	30	LI-2,4	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-F1 (BLDG F)	208/1	22.875	18.3	30	LI-1,3	2#10, 1#10GND-0.75"C	30	RTU-F1	Y	1,200	208-1	26	30	LI-1,3	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-F2 (BLDG F)	208/1	22.875	18.3	30	LI-2,4	2#10, 1#10GND-0.75"C	30	RTU-F2	Y	1,200	208-1	26	30	LI-2,4	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-F3(BLDG F)	208/1	22.875	18.3	30	LI-5,7	2#10, 1#10GND-0.75"C	30	RTU-F3	Y	1,200	208-1	26	30	LI-5,7	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-G1 (BLDG G)	208/1	22.875	18.3	30	LI-9,11	2#10, 1#10GND-0.75"C	30	RTU-G1	Y	1,200	208-1	26	30	LI-9,11	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-G2 (BLDG G)	208/1	22.875	18.3	30	LI-13,15	2#10, 1#10GND-0.75"C	30	RTU-G2	Y	1,200	208-1	26	30	LI-13,15	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-G3 (BLDG G)	208/1	22.875	18.3	30	LI-17,19	2#10, 1#10GND-0.75"C	30	RTU-G3	Y	1,200	208-1	26	30	LI-17,19	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-H1 (BLDG H)	208/1	22.875	18.3	30	LK-1,3	2#10, 1#10GND-0.75"C	30	RTU-H1	Y	1,200	208-1	26	30	LK-1,3	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-H2 (BLDG H)	208/1	22.875	18.3	30	LK-2,4	2#10, 1#10GND-0.75"C	30	RTU-H2	Y	1,200	208-1	26	30	LK-2,4	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-H3 (BLDG H)	208/1	22.875	18.3	30	LK-5,7	2#10, 1#10GND-0.75"C	30	RTU-H3	Y	1,200	208-1	26	30	LK-5,7	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-H4 (BLDG H)	208/1	22.875	18.3	30	LK-6,8	2#10, 1#10GND-0.75"C	30	RTU-H4	Y	1,200	208-1	26	30	LK-6,8	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-I1 (BLDG I)	208/1	22.875	18.3	30	LK-9,11	2#10, 1#10GND-0.75"C	30	RTU-I1	Y	1,200	208-1	26	30	LK-9,11	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-I2 (BLDG I)	208/1	22.875	18.3	30	LK-10,12	2#10, 1#10GND-0.75"C	30	RTU-I2	Y	1,200	208-1	26	30	LK-10,12	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-I3 (BLDG I)	208/1	22.875	18.3	30	LK-13,15	2#10, 1#10GND-0.75"C	30	RTU-I3	Y	1,200	208-1	26	30	LK-13,15	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-I4 (BLDG I)	208/1	22.875	18.3	30	LK-14,16	2#10, 1#10GND-0.75"C	30	RTU-I4	Y	1,200	208-1	26	30	LK-14,16	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-J1 (BLDG J)	208/1	22.875	18.3	30	LK-17,19	2#10, 1#10GND-0.75"C	30	RTU-J1	Y	1,200	208-1	26	30	LK-17,19	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-J2 (BLDG J)	208/1	22.875	18.3	30	LK-18,20	2#10, 1#10GND-0.75"C	30	RTU-J2	Y	1,200	208-1	26	30	LK-18,20	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-J3 (BLDG J)	208/1	22.875	18.3	30	LK-21,23	2#10, 1#10GND-0.75"C	30	RTU-J3	Y	1,200	208-1	26	30	LK-21,23	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	
CU/FCU-J4 (BLDG J)	208/1	22.875	18.3	30	LK-22,24	2#10, 1#10GND-0.75"C	30	RTU-J4	Y	1,200	208-1	26	30	LK-22,24	30A (30A FUSE)	-	YES	PCD-SRT12CA	7.1	12.8	2#10, 1#10GND-0.75"C	20A (15A FUSE)	

GENERAL NOTES:
1. CONTRACTOR TO FIELD VERIFY CIRCUITING AND FEEDER INFORMATION PRIOR TO EQUIPMENT REMOVAL. CONTRACTOR TO PROVIDE REQUIRED ADJUSTMENTS AS NEEDED.
   PROVIDE MECHANICAL UNIT WITH INTEGRAL CONVENIENCE RECEPTACLE. FEED FROM SPARE 20A/1P BREAKER IN NEAREST PANEL. ROUTE 2#12+1#12GND IN 1/2" EMT CONDUIT FROM PANEL TO RECEPTACLE.
2. POWER NO MORE THAN 10 RECEPTACLES ON ONE CIRCUIT. FIELD VERIFY EXACT LOCATION OF NEAREST PANEL AND ROUTE OF NEW CIRCUIT FROM PANEL TO UNIT RECEPTACLE.
3. CONTRACTOR TO DEMOLISH POWER CONNECTION FROM CONDENSING UNITS, FAN COIL UNITS AND CONDENSATE PUMPS. DEMOLITION TO CONSIST OF REMOVAL OF POWER CONNECTION, CABLING, AND CONDUIT BACK TO SOURCE UNLESS NOTED OTHERWISE.
4. FIELD COORDINATE EQUIPMENT MANUFACTURER FOR FAULT CURRENT LIMITING FUSE TYPES

FEEDER SCHEDULE - COPPER

MARK (AMPS)	# SETS	Ø & N	GND	CONDUIT SIZE MARK SUFFIX -4W	-3W	-2W
15	1	12	12	3/4"	3/4"	3/4"
20	1	12	12	3/4"	3/4"	3/4"
25	1	10	10	3/4"	3/4"	3/4"
30	1	10	10	3/4"	3/4"	3/4"
35	1	8	10	3/4"	3/4"	3/4"
40	1	8	10	3/4"	3/4"	3/4"
45	1	6	10	1"	3/4"	3/4"
50	1	6	10	1"	3/4"	3/4"
60	1	4	10	1-1/4"	1"	3/4"
70	1	4	8	1-1/4"	1"	3/4"
80	1	3	8	1-1/4"	1-1/4"	1"
90	1	2	8	1-1/4"	1-1/4"	1"
100	1	1	8	1-1/2"	1-1/2"	1-1/4"
110	1	1	6	1-1/2"	1-1/2"	1-1/4"
125	1	1	6	1-1/2"	1-1/2"	1-1/4"
150	1	1/0	6	2"	1-1/2"	1-1/4"
175	1	2/0	6	2"	1-1/2"	1-1/4"
200	1	3/0	6	2"	2"	1-1/2"
225	1	4/0	4	2-1/2"	2"	1-1/2"
250	1	250	4	2-1/2"	2"	1-1/2"
300	1	350	4	3"	2-1/2"	2"
350	1	500	3	3-1/2"	3"	2-1/2"
400	1	600	3	3-1/2"	3"	2-1/2"
400	2	3/0	3	2"	2"	1-1/2"
450	2	4/0	2	2-1/2"	2"	1-1/2"
500	2	250	2	2-1/2"	2-1/2"	2"
600	2	350	1	3"	2-1/2"	2"
700	2	500	1/0	3-1/2"	3"	2-1/2"
800	2	600	1/0	3-1/2"	3"	2-1/2"
1000	3	400	2/0	3"	3"	2-1/2"
1200	3	600	3/0	3-1/2"	3-1/2"	3"
1600	4	600	4/0	3-1/2"	3-1/2"	3"
2000	5	600	250	4"	3-1/2"	3"
2500	6	600	350	4"	3-1/2"	3"
3000	8	500	400	3-1/2"	3"	2-1/2"
4000	10	600	500	4"	3-1/2"	3"

ABBREVIATIONS:

Ø	PHASE
N	NEUTRAL
GND	EQUIPMENT GROUNDING CONDUCTOR
-4W	FOUR WIRE + GROUND (3Ø,N,GND)
-3W	THREE WIRE + GROUND (3Ø,GND or 2Ø,N,GND)
-2W	TWO WIRE + GROUND

NOTES:
1. CONDUCTOR AMPACITIES ARE BASED ON NEC TABLE 310.15(B)(16).
2. CONDUIT SIZES ARE BASED ON A MAXIMUM FILL RATIO OF 40%.
3. SCHEDULE SHALL BE USED FOR FEEDERS AND BRANCH CIRCUITS WHERE APPLICABLE.
4. ALL FEEDERS AND BRANCH CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR.
5. SCHEDULE IS VALID FOR TYPE THHN, THWN-2, AND XHHW-2 CONDUCTORS. SEE SPECIFICATIONS FOR CONDUCTOR TYPES REQUIRED.
6. SCHEDULE IS VALID FOR TYPE EMT, IMC, FMC, LFMC, HDPE, AND RNC-40 RACEWAYS. SEE SPECIFICATIONS FOR RACEWAY APPLICATIONS.
7. OPTIONAL CONFIGURATIONS (1 OR 2 SETS) ARE GIVEN FOR SOME SIZES.
8. NOT ALL SIZES USED.

DLR Group
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Cypress Elementary School
COVINA VALLEY USD
351 CYPRESS ST, COVINA, CA 91723

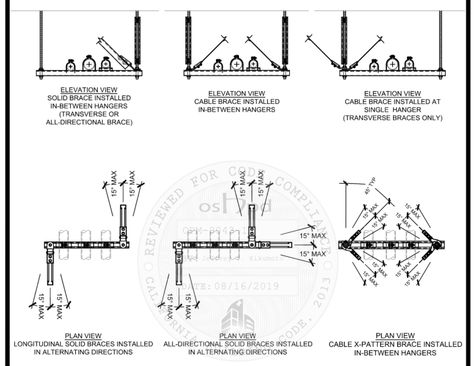
DSA Submitted Set
1/13/2023
REVISIONS
ADD#02 8/2/2023

75-22605-00

ELECTRICAL DIAGRAMS AND SCHEDULE

E5.1

ALTERNATE ARRANGEMENT OF SEISMIC BRACES FOR CONDUITS ON TRAPEZE



NOTES:
1) REFER TO APPROPRIATE DETAIL F PAGES FOR DIMENSIONS AND NOTATIONS NOT SHOWN.

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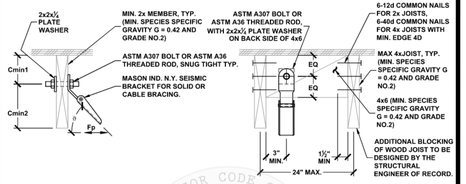
PAGE **A25.1**

SEISMIC BRACKET ATTACHMENT TO STRUCTURAL TIMBER WITH (1) THRU BOLT OR THREADED ROD



SEISMIC BRACE BRACKET PERPENDICULAR TO JOIST

SEISMIC BRACE BRACKET PARALLEL TO JOIST

BRACE BRACKET ATTACHMENT TYPE	ALLOWABLE LATERAL LOAD Fp LBS	MAX. BRACE RANGE ϕ	ASTM A307 BOLTS OR ASTM A36 THREADED ROD DIA. da INCH	MIN. EDGE Cmin1 INCH	MIN. EDGE Cmin2 INCH
38A TO 38D	250	30°- 45°	⅜	1½	1½
38A TO 38B	150	46°- 60°			
50A TO 50D	300	30°- 45°	½	1¾	2
50A TO 50B	170	46°- 60°			
63A TO 63D	340	30°- 45°	⅝	1¾	2½
63A TO 63C	200	46°- 60°			

SEE DETAIL N0.00 FOR SECTION NOTES

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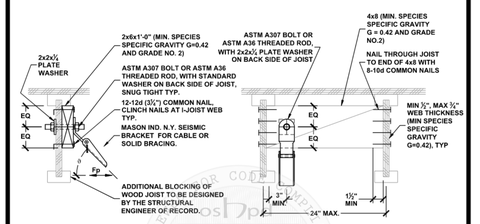
PAGE **N4.10**

SEISMIC BRACKET ATTACHMENT TO WOOD I-JOISTS WITH (1) THRU BOLT OR THREADED ROD



PERPENDICULAR TO JOIST

PARALLEL TO JOIST

BRACE BRACKET ATTACHMENT TYPE	ALLOWABLE LATERAL LOAD Fp LBS	MAX. BRACE RANGE ϕ	DIA. da INCH
38A TO 38B	150	30°- 45°	⅜
38A TO 38A	80	46°- 60°	
50A TO 50C	180	30°- 45°	½
50A TO 50A	100	46°- 60°	
63A TO 63C	210	30°- 45°	⅝
63A TO 63A	120	46°- 60°	

SEE DETAIL N0.00 FOR SECTION NOTES

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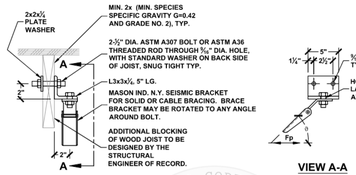
PAGE **N4.11**

SEISMIC BRACKET ATTACHMENT TO WOOD JOIST



BRACE BRACKET ATTACHMENT TYPE	ALLOWABLE LATERAL LOAD Fp LBS	MAX BRACE RANGE ϕ	DIA. da INCH
38A TO 38E	420	30°- 45°	⅜
38A TO 38D	300	46°- 60°	
50A TO 50E	420	30°- 45°	½
50A TO 50D	300	46°- 60°	
63A TO 63E	420	30°- 45°	⅝
63A TO 63D	300	46°- 60°	

SEE DETAIL N0.00 FOR SECTION NOTES

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PAGE **N4.13**

CONDUIT	ELECTRICAL METALLIC TUBING (EMT) MAXIMUM SEISMIC BRACE SPACINGS	VERTICAL FORCE Fpv = 0.375g (ASD)

TRADE SIZE	MAX WEIGHT PER FOOT (LBS/FT)	MAX GRAVITY SUPPORT SPACING (FT)	MAX TRANSVERSE BRACE SPACING BASED ON TRADE SIZE AND g FORCE (FT)						
			g FORCE						
			0.25	0.375	0.5	0.625	0.75	0.875	1
3	8.26	10	45	41	38	36	35	33	31
3.5	10.98	10	48	44	41	39	37	35	33
4	13.64	10	50	45	42	40	38	36	34

NOTES:

1. **MAXIMUM BRACE SPACING IS BASED ON ASCE 7-10 SECTION 13.6.8, NOTE b, 70 PERCENT OF THE MATERIAL MINIMUM SPECIFIED TENSILE STRENGTH FOR STEEL TUBING.**
2. **EMT CONSIDERED FULL OF CONDUCTORS WHEN DETERMINING WEIGHT (REFER TO APPENDIX).**
3. **FOR LONGITUDINAL AND ALL-DIRECTIONAL BRACE SPACING, MULTIPLY THE TABULATED VALUES BY 3. BRACE AND OR CONNECTION CAPACITY MAY GOVERN MAXIMUM SPACING IN SOME CASES.**
4. **BRACE SPACINGS ARE BASED ON EMT STEEL TUBING CONSTRUCTED TO UL-797 OR ANSI C-80.3 WITH A MINIMUM YIELD STRENGTH OF 30,000 PSI.**
5. **COUPLINGS FOR UP TO 2½" EMT TO MEET PROJECT SPECIFICATIONS. HOWEVER, COMPRESSION COUPLINGS OR COUPLINGS WITH MIN. (2) SCREWS AT EACH END, e.g., CONDUIT CAN BE PUSHED INTO COUPLING + 2" AND SET WITH MIN. (2) SCREWS, SHALL BE USED FOR 3", 3½", AND 4" EMT.**

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TEL (714) 630 - 0701, www.masonwest.com

Jiefu "Jeff" Zhang, SE
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ELECTRICAL CONDUIT WEIGHT TABLES

CONDUIT WEIGHTS				
CONDUIT DIAMETER (IN)	PIPE TYPE	PIPE WEIGHT PER FOOT (LBS)		
		PIPE	CONDUCTORS	TOTAL
½	ELECTRICAL METALLIC TUBING (EMT) WEIGHT	0.29	0.22	0.51
¾		0.44	0.40	0.84
1		0.64	0.66	1.30
1 ¼		0.95	1.17	2.12
1 ½		1.10	1.60	2.70
2		1.40	2.62	4.02
2 ½		2.05	3.74	5.79
3		2.50	5.76	8.26
3 ½		3.25	7.73	10.98
4		3.70	9.94	13.64
5		---	---	---
6		---	---	---
½	INTERMEDIATE METAL CONDUIT (IMC) WEIGHT	0.60	0.22	0.82
¾		0.82	0.41	1.23
1		1.16	0.66	1.82
1 ¼		1.50	1.17	2.67
1 ½		1.82	1.60	3.42
2		2.42	2.62	5.04
2 ½		4.28	3.47	7.75
3		5.26	5.43	10.69
3 ½		6.12	7.34	13.46
4		6.82	9.50	16.32
5		---	---	---
6		---	---	---
½	RIGID METAL CONDUIT (RMC) WEIGHT	0.79	0.22	1.01
¾		1.05	0.41	1.46
1		1.53	0.66	2.19
1 ¼		2.01	1.17	3.18
1 ½		2.48	1.61	4.09
2		3.32	2.62	5.94
2 ½		5.27	3.74	9.01
3		6.82	5.77	12.59
3 ½		8.31	7.73	16.04
4		9.72	9.95	19.67
5		13.14	15.62	28.76
6		17.45	22.58	40.03

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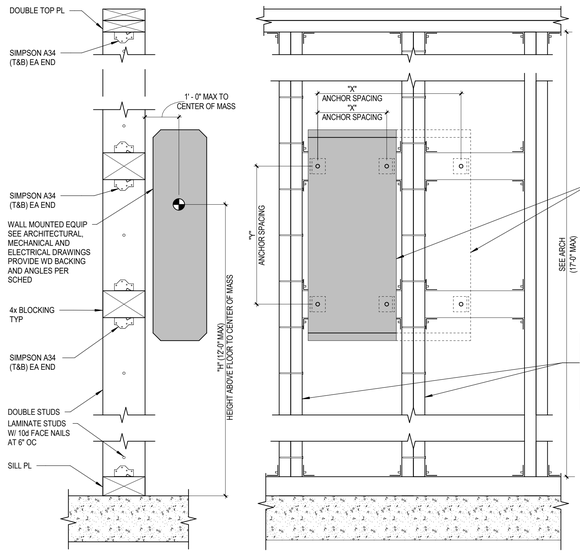
PAGE **APP3.0**

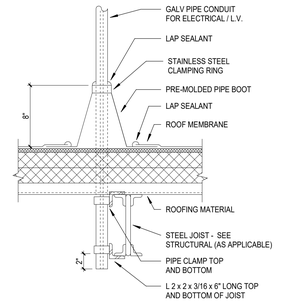


NON-STRUCTURAL EQUIPMENT WEIGHT	
WEIGHT < 250 LBS	SINGLE 2x STUD
250 LBS ≤ WEIGHT < 500 LBS	DOUBLE 2x STUD

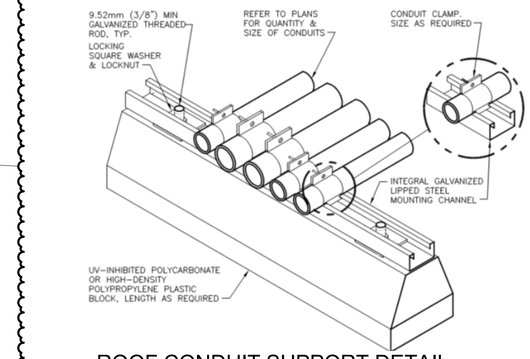
NOTES:

1. MAXIMUM WEIGHT OF EQUIPMENT UNIT NOT TO EXCEED 500 LBS.
2. COORDINATE EXACT LOCATIONS WITH MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS.

1 E6.1 TYP WALL EQUIPMENT BACKING
NO SCALE



2 E6.1 ROOF PENETRATION DETAIL
NO SCALE



ADD#02

3 E6.1 ROOF CONDUIT SUPPORT DETAIL

DLR Group
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Cypress Elementary School
COVINA VALLEY USD
351 CYPRESS ST., COVINA, CA 91723

DSA Submitted Set
1/13/2023
REVISIONS
ADD#02 8/2/2023

75-22605-00

ELECTRICAL DETAILS

E6.1