Code Comment Form Article 89 General Code Provisions 89.101.1 Title 89.101.1 Title. The provisions contained in this Code shall be known as the 2019 2022 San Francisco Electrical Code, and may be cited as such and will be referred to as "this code." **COMMENT 1: Code Cycle Change** Name: Gary Clifton Date: 4/15/22 **Comments/Findings: Update Code Section** Place an X in one Retain as is: Update as noted: Revise: Delete: of the following: Х Place an X in one **More Restrictive:** Less Restrictive: Neither more nor less: of the following: Χ **COMMENT 2:** Name: Date: **Comments/Findings:** Place an X in one Retain as is: Update as noted: Revise: Delete: of the following: Place an X in one More Restrictive: Less Restrictive: Neither more nor less: of the following: Index keywords: COMMENT **TSD Analysis** Name: Date: Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Article 89 General Code Provisions Section 89.120 Permits Required

89.120 Add the following section:

89.120 Permits Required.

- (A) **General.** It shall be unlawful for any person to install, construct, alter, move, add to or replace any electrical installation regulated by this code, except as permitted in Section 89.121, without first obtaining a permit from the Department of Building Inspection.
- (B) Nonliability of City and County of San Francisco. Permits issued under the provisions of this code shall contain or be construed to contain an agreement by the owner of the building, structure or premises, or the owner's authorized agent, to save City and County of San Francisco officials and employees harmless from all costs, liability and damages resulting, whether directly or indirectly, from anything in connection with the work included in the permit, including equipment, methods of construction, inspections and approvals.
- (C) **Application For Permit.** Permit applicants shall file with the Department of Building Inspection an application form furnished for that purpose. The permit application shall show a complete itemization of the proposed electrical installation and the correct address of the job site. Electrical permits may be issued to duly licensed contractors who have registered with the Central Permit Bureau by having their state contractor's license verified by the Department of Building Inspection, or issued to a homeowner subject to Section <u>89.120(E)</u>. A separate permit shall be obtained for each separate building or structure.

See Section <u>110A</u>, Table 1A-E – Electrical Permit Fees – of the Building Code for the applicable fees.

- (D) **Illegal Use of Permit.** No person, firm, corporation, or state licensed contractor shall file an application for a permit to install any electrical wiring system unless such person, firm, corporation, or state licensed contractor shall perform such work. The Building Official or the Building Official's authorized representative shall have the authority to cancel any permit upon finding that it is contrary to this section. The permittee shall be responsible for all work performed.
- (E) **Homeowner's Permit.** A permit for electrical work in or about a single-family dwelling may be issued by the Building Official to a homeowner, provided the work to be done will be performed by the homeowner. If the electrical work performed under the homeowner's permit does not comply with the requirements of this code and if the corrections are not made as required by the Department of Building Inspection, then the deficiencies shall be corrected by a State licensed electrical contractor under a separate permit.

Note: LCC's LLC's are not eligible for an Electrical Homeowner's Permit

(F) **Emergency Work.** Emergency electrical work for the protection of persons or property shall have a permit obtained within one business day of commencing such work.

COMMENT 1: Correct Typo						
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Article 89 General	Code Provisions			
89.115, 89.116, 89.7 89.128, 89.129	117, 89.118, 89.119, 89	9.121, 89.122, 89.123, 89	0.124, 89.125, 89.12	6, 89.127,
COMMENT 1: 89.10	01.1 & 89.120 (E) are c	on separate forms		
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Article 90 Introduct	tion				
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Chapter 1 Article 1	Chapter 1 Article 110 Requirements for Electrical Installations				
110.15 & 110.26 (B)					
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Chapter 1 Article 110 Requirements for Electrical Installations Section 110.26 (A) (3) Height of Working Space

110.26 (A) (3) Height of Working Space. The work space shall be clear and extend from the grade, floor, or platform to a height of 2.0 m (6 1/2 ft) or the height of the equipment, whichever is greater. Within the height requirements of this section, other equipment that is associated with the electrical installation and is located above or below the electrical equipment shall be permitted to extend not more than 150 mm (6 in.) beyond the front of the electrical equipment.

Exception No. 4 2: [Exception deleted by local amendment.]

Exception No. 2 <u>3</u>: Meters that are installed in meter sockets shall be permitted to extend beyond the other equipment. The meter socket shall be required to follow the rules of this section.

Exception No. 3 <u>1</u>: (480.10(D).	On battery systems mo	ounted on open racks, the	top clearance shall	comply with
COMMENT 1: Upda	te as noted			
Name: Gary Clifton Date: 4/15/22				
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Chapter 2 Wiring and				
210.5(C)(1)(a), 215(C)(1)(a), 230.43, 230.5	6, 230.71(A), 250.50, 250	0.64(A), 250.64(B)	
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Chapter 3 Wiring Methods and Material Article 300 General Requirements for Wiring Methods and Materials Section 334.12 Uses Not Permitted

334.12 Uses Not Permitted (A) Types NM and NMC

- (11) In any nonresidential structure or occupancy.
- (12) In Common Areas of Multi-family Dwelling Units of Group R-1 and R-2 buildings of Type IIIA construction per the 2019 2022 California Building Code 510.5

	ages above 120 volts t	-		
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Name: Gary Clifton Date: 4/18/22	1			
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Chapter 3 General F	Requirements for Wiring	g Methods and Materials			
300.3(C), 300.4(I), 3 358.10(D), 358.12, 3		08, 334.10, 340.10, 348.1	0, 350.10, 352.10,	355.10, 356.10,	
COMMENT 1: 334.1	2 Uses Not Permitted	d on a separate form			
Name: Gary Clifton Date: 4/15/22	1				
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ARTICLE 330 – METAL-CLAD CABLE: TYPE MC

330.12 Revise item (1) as follows:

330.12 Uses Not Permitted. Type MC cable shall not be used under either of the following conditions:

(1) Where subject to physical damage

Informational Note: See the 2019 2022 San Francisco Electrical Code Section 300.4 (I) Subject to Physical Damage.

...

Exception: Type MC Cable #4 AWG or larger, installed in a lockable room dedicated solely to an electrical service and distribution equipment and accessible only to qualified personnel, shall be considered to have equivalent protection from physical damage when installed in a neat and workman like manner, properly supported, and securely fastened in place.

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	nt for General Use Artio 36 (B) Suspended Ceil	cle 410 Luminaires (Lighti lings	ng Fixtures) Lamph	olders, and
410.36(B), 411.5				
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Chapter 5 Special O	ccupancies			
No San Francisco	Electrical Code An	nendments.		
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Chapter 6 Special E		de comment i omi			
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Chapter 7 Special Conditions Article 700 Emergency Systems Section 700.12 (I) (2) Installation of Unit Equipment.

700.12(I)(2) Revise item (2) and (5) of this section as follows:

700.12(F) (1) (2) Installation of Unit Equipment. Unit equipment shall be installed in accordance with 700.12(F)(2)(1) through (6). the following:

- **(2)** Unit equipment shall be permanently fixed (i.e., not portable) in place and shall have all wiring to each unit installed in accordance with the requirements of any of the wiring methods in Chapter 3. Flexible cord-and-plug connection **shall not be permitted.**
- (5) Emergency luminaires (illumination fixtures) that obtain power from a unit equipment and are not part of the unit equipment shall be wired to the unit equipment as required by 700.10 and by one of the wiring methods of Chapter 3.

	•			
COMMENT 1: Upda	ite as noted Note: 70	0.12 (I)THIS IS THE LET	TTER I (2)	
Name: Gary Clifton Date: 4/18/22				
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Comments/Findings:

700.12(F)(2) 700.12(I)(2) Revise item (2) and (5) of this section as follows:

700.12(F)(2) 700.12(I)(2) Installation of Unit Equipment. Unit equipment shall be installed in accordance with 700.12(F)(2)(1) through (6). the following:

- (2) Unit equipment shall be permanently fixed (i.e., not portable) in place and shall have all wiring to each unit installed in accordance with the requirements of any of the wiring methods in Chapter 3. Flexible cord-and-plug connection shall not be permitted [\leftarrow].
- (5) Emergency luminaires (illumination fixtures) that obtain power from a unit equipment and are not part of the unit equipment shall be wired to the unit equipment as required by 700.10 and by one of the wiring methods of Chapter 3.

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Chapter 7 Article 700 Emergency Systems Section 700.16 Emergency Illumination

700.16 Revise the first paragraph of this section as follows:

700.16 Emergency Illumination

Index keywords:

COMMENT

Name: Date:

illuminated exit signs Emergency illumin	s, and all other luminaination shall be provide	ergency illumination shall res specified as necessar ed at the location of trar I legally required stand	ry to provide require	d illumination.
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Name: M.yu Date:				
700.16 700.16(A) egress lighting, illuprovide required il	paragraph of this section Emergency Illumina aminated exit signs, a lumination. Emergen	n as follows: 700.16(A) Revaluation. Emergency illumind all other luminaires acy illumination shall be telboards that supply en	nination shall inclusions as necessitied as necessitied at the least the least state of t	nde means of ssary to ocation of
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Chapter 7 Article 760 Fire Alarm Systems							
760.46, 760.130(A) & (B), & 760.180							
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