

HOUSE AMENDMENT NO. _____
TO
HOUSE AMENDMENT NO. _____

Offered By

1 AMEND House Amendment No. _____ to House Bill No. 2230, Page 1, Lines 7-36, and Page 2,
2 Lines 1-18, by deleting all of said lines and inserting in lieu thereof the following:

3
4 "320.400. 1. The provisions of sections 320.400 to 320.428 shall apply to wiring, services,
5 feeders, and grounding for private residential and noncommercial docking facilities constructed or
6 occupied for the use of the owner or residents of an associated single-family or two-family dwelling
7 with an electrical service of fifty amperes or less.

8 2. For purposes of sections 320.400 to 320.428, the following terms mean:

9 (1) "Dock", a building unit that floats on water, is moored in a permanent location, and has
10 a premises wiring system served through connection by permanent wiring to an electricity supply
11 system not located on the premises;

12 (2) "Marine power outlet", an enclosed assembly that may include receptacles, circuit
13 breakers, fused switches, fuses, a watt-hour meter or meters, and monitoring means approved for
14 marine use;

15 (3) "Residential dock", a private, noncommercial docking facility, with an electrical service
16 of fifty amperes or less, that is constructed or occupied for the use of the owner or residents of an
17 associated single-family or two-family dwelling.

18 320.402. 1. Wiring inside storage sheds, wet bars, bar areas, and storage lockers located on
19 residential docks shall use the same wiring method as the rest of the dock.

20 2. The service equipment or the feeder service equipment for a residential dock shall be
21 located adjacent to but not on or in the building or any floating structure. The service or feeder
22 service equipment shall be at or within six feet of the floating building ramp.

23 3. Existing service or feeder service conductors to a dock not meeting the current
24 requirements shall not continue as installed. The conductors shall be inspected prior to being
25 covered for confirmation to determine if it meets the installation requirements for conductors as
26 identified in the 2011 National Electrical Code. Any type NM, NMC, and NMS cable used as the
27 service of feeder service conductors shall be replaced in a weatherproof junction box where it exits
28 the residence. Underground feeder cable shall meet all the current installation requirements for the
29 type of conductors used, including the correct burial depth.

30 4. The disconnecting means for the service or feeder service equipment shall be forty-two
31 inches above a finished grade or surface and shall be measured to the bottom of the equipment
32 enclosure.

33 5. All disconnecting means shall have the ability to isolate neutrals and grounds, bond the

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1 grounds, and protect all circuits with a GFCI personal protection breaker; GFCI modules, pull out
2 (AC) disconnects, or regular breakers with only GFCI protected outlets shall not be allowed. All
3 service, feeder, and branch circuits shall be personal protected GFCI breakers.

4 6. One set of service conductors shall be permitted to serve more than one set of service
5 equipment.

6 320.404. Each floating building shall be supplied by a single set of feeder conductors from
7 its service or feeder service equipment; except where the floating building has multiple occupancy,
8 each occupant shall be permitted to be supplied by a single set of feeder conductors extended from
9 the occupant's service equipment to the occupant's panel board. The feeder conductors shall extend
10 into one disconnecting means for the dock. The disconnect shall be within six feet of the ramp or
11 ramps that extended to the dock.

12 320.406. 1. Flexibility of the wiring system shall be maintained between floating buildings
13 and the supply conductors. All wiring shall be installed so that motion of the water surface and
14 changes in the water level will not result in unsafe conditions.

15 2. Liquid tight flexible metal conduit or liquid tight flexible nonmetallic conduit with
16 approved fittings shall be permitted for feeders and where flexible connections are required for
17 services. Extra-hard usage portable power cable listed for both wet locations and sunlight resistance
18 shall be permitted for a feeder to a floating building where flexibility is required. Other raceways
19 suitable for the location shall be permitted to be installed where flexibility is not required.

20 320.408. Grounding at floating buildings shall comply with the following:

21 (1) Grounding of both electrical and nonelectrical parts in a floating building shall be
22 through connection to a grounding bus in the building panelboard;

23 (2) The equipment-grounding conductor shall be installed with the feeder conductors and
24 connected to a grounding terminal in the service equipment;

25 (3) The equipment-grounding conductor shall be an insulated copper conductor with a
26 continuous outer finish that is either green or green with one or more yellow stripes. For conductors
27 larger than 6 AWG, or where multiconductor cables are used, reidentification of conductors as
28 allowed in articles 250.119(A)(2)(b) and 250.119(A)(2)(c), or articles 250.119(B)(2) and
29 250.119(B)(3), of the 2011 National Electrical Code shall be permitted;

30 (4) The grounding terminal in the service equipment shall be grounded by connection
31 through an insulated grounding electrode conductor to a grounding electrode on shore. The
32 installation shall comply with article 254.64 of the 2011 National Electrical Code using conduit
33 suited for the application or secured tightly to the supporting structure and buried underground to
34 the ground rod; and

35 (5) The existing service at service equipment shall have a proper grounding electrode
36 system as required under article 250.50 of the 2011 National Electrical Code. If the service is not
37 properly grounded, a grounding electrode system shall be installed that meets the requirements of
38 the 2011 National Electrical Code.

39 320.410. The neutral grounded circuit conductor shall be an insulated conductor identified
40 by a continuous white or gray outer finish or by three continuous white stripes on a color other than
41 green insulation along its entire length. The neutral conductor shall be connected to the equipment-
42 grounding terminal in the service equipment and, except for that connection, it shall be insulated
43 from the equipment grounding conductors, equipment enclosures, and all other grounded parts. The
44 neutral circuit terminals in the panelboard and in ranges, clothes dryers, counter-mounted cooking
45 units, and other similar appliances shall be insulated from the enclosures.

46 320.412. 1. All enclosures and exposed metal parts of electrical systems shall be bonded to
47 the grounding bus. If required to be grounded, cord-connected appliances shall be grounded by
48 means of an equipment-grounding conductor in the cord and a grounding-type attachment plug.

1 2. All metal parts in contact with the water, all metal piping, and all noncurrent-carrying
2 metal parts that may become energized shall be bonded to the grounding bus in the panelboard.

3 320.414. 1. Electrical equipment enclosures installed on or above deck level shall be
4 securely and substantially supported by structural members, independent of any conduit connected
5 to them. If enclosures are not attached to mounting surfaces by means of external ears or lugs, the
6 internal screw heads shall be sealed to prevent seepage of water through mounting holes.

7 2. Electrical equipment enclosures shall be located so as not to interfere with mooring lines.

8 3. Weatherproof enclosures are allowed to have weep holes.

9 320.416. 1. Circuit breakers and switches installed in gasketed enclosures shall be arranged
10 to permit required manual operation without exposing the interior of the enclosure. All such
11 enclosures shall be arranged with a weep hole to discharge condensation.

12 2. All installations above the waterline and below eight feet of the floating building shall be
13 considered a wet location. All installations above eight feet and not exposed to weather shall be
14 considered a damp location. The complete electrical system shall be located above the finished
15 surface of the dock in order to improve the ability of the owner to regularly inspect and maintain the
16 system.

17 320.418. 1. Wiring methods of Chapter 3 of the National Electrical Code of 2011 shall be
18 permitted where identified for use in wet locations.

19 2. Extra-hard usage portable power cables rated not less than 167 F (75 C), six hundred
20 volts; listed for both wet locations and sunlight resistance; and having an outer jacket rated to be
21 resistant to temperature extremes, oil, gasoline, ozone, abrasion, acids, and chemicals shall be
22 permitted as follows:

23 (1) As permanent wiring on the underside of floating or fixed piers and docks; and

24 (2) Where flexibility is necessary as on piers and docks composed of floating sections.

25 320.420. 1. Outside branch circuits and feeders shall comply with article 225 of the
26 National Electrical Code of 2011.

27 2. Where portable power cables are permitted under article 553.13(A)(2) of the National
28 Electrical Code of 2011, the installation shall comply with the following:

29 (1) Cables shall be properly supported;

30 (2) Cables shall be located on the underside of the dock or pier;

31 (3) Cables shall be securely fastened by nonmetallic clips to structural members other than
32 the deck planking;

33 (4) Cables shall not be installed where subject to physical damage; and

34 (5) If cables pass through structural members, they shall be protected against chafing by a
35 permanently installed oversized sleeve of nonmetallic material.

36 3. If portable power cables are used as provided in article 555.13(A)(2)(2) of the National
37 Electrical Code of 2011, there shall be an approved junction box of corrosion-resistant construction
38 with permanently installed terminal blocks on each pier and dock section to which the feeder and
39 feeder extensions are to be connected. Metal junction boxes and their covers, and metal screws and
40 parts that are exposed externally to the boxes, shall be of corrosion-resistant materials or protected
41 by material resistant to corrosion.

42 4. Rigid metal or nonmetallic conduit suitable for the location shall be installed to protect
43 wiring above decks of piers, docks, and landing stages and below the enclosure that the dock serves.
44 The conduit shall be connected to the enclosure by full standard threads. The use of special fittings
45 of nonmetallic material to provide a threaded connection into enclosures on rigid nonmetallic
46 conduit, employing joint design as recommended by the conduit manufacturer, for attachment of the
47 fitting to the conduit shall be acceptable, provided the equipment and method of attachment are
48 approved and the assembly meets the requirements of installation in damp or wet locations as

1 applicable.

2 320.422. 1. Disconnecting means shall be provided to isolate each boat from its supply
3 connection or connections.

4 2. The disconnecting means shall be permitted to consist of a circuit breaker, switch, or
5 both, and shall be properly identified as to which receptacle it controls.

6 3. The disconnecting means shall be readily accessible, located not more than thirty inches
7 from the receptacle it controls, and shall be located in the supply circuit ahead of the receptacle.
8 Circuit breakers or switches located in marine power outlets complying with this section shall be
9 permitted as the disconnecting means.

10 320.424. 1. Receptacles shall be mounted not less than thirty-six inches above the deck
11 surface. All shore power receptacles shall be GFCI protected. Receptacles intended to supply shore
12 power to boats shall be housed in marine power outlets listed as marina power outlets or listed for
13 set locations, or shall be installed in listed enclosures protected from the weather or in listed
14 weatherproof enclosures. The integrity of the assembly shall not be affected when the receptacles
15 are in use with any type of booted or nonbooted attachment plug or cap inserted.

16 2. Means shall be provided as necessary to reduce the strain on the plug and receptacle
17 caused by the weight and catenary angle of the shore power cord.

18 3. Each single receptacle that supplies shore power to boats shall be supplied from a marine
19 power outlet or panelboard by an individual branch circuit of the voltage class and rating
20 corresponding to the rating of the receptacle.

21 4. Shore power boats shall be provided by single receptacles rated not less than thirty
22 amperes. For locking-type and grounding-type receptacles for auxiliary power to boats, the
23 provisions of article 303-2000, Fire Protection Standard for Marinas and Boatyards, of the National
24 Electrical Code of 2011, shall apply.

25 5. Receptacles rated not less than thirty amperes or more than fifty amperes shall be of the
26 locking and grounding type.

27 6. Receptacles rated for sixty amperes or one hundred amperes shall be of the pin and sleeve
28 type.

29 320.426. 1. Fifteen and twenty ampere, single-phase, one hundred twenty-five-volt
30 receptacles installed outdoors, in boathouses, in buildings used for storage, maintenance, or repair
31 where portable electrical hand tools or portable lighting equipment are to be used shall be provided
32 with GFCI protection for personnel. Receptacles in other locations shall be protected in accordance
33 with article 210.8(B) of the National Electrical Code of 2011.

34 2. Receptacles other than those supplying shore powers to boats shall be permitted to be
35 housed in marine power outlets with the receptacles that provide shore power to boats, provided
36 they are marked to clearly indicate that they are not to be used to supply power to boats.

37 320.428. Temporary wiring shall not be used to supply boats or docks.

38 320.500. The provisions of sections 320.500 to 320.536 shall apply to the installation of
39 wiring and equipment on fixed or floating piers, wharves, docks, and other areas in marinas,
40 boatyards, boat basins, boathouses, yacht clubs, boat condominiums, docking facilities associated
41 with residential condominiums, any multiple docking facility, or similar occupancies, residential
42 docks with a service of fifty-one amperes or larger, and facilities that are used, or intended for use,
43 for the purpose of repair, berthing, launching, storage, or fueling of small craft and the moorage of
44 floating buildings. The provisions of sections 320.500 to 320.536 shall not apply to private
45 residential and noncommercial docking facilities constructed or occupied for the use of the owner or
46 residents of an associated single-family or two-family dwelling with an electrical service of fifty
47 amperes or less.

48 320.502. For purposes of sections 302.300 to 302.336, the following terms mean:

1 (1) "Electrical datum plane":

2 (a) In land areas subject to tidal fluctuation, the electrical datum plane is a horizontal plane
3 six hundred six mm, or two feet, above the highest tide level for the area occurring under normal
4 circumstances, commonly referred to as highest high tide;

5 (b) In land areas not subject to tidal fluctuation, the electrical datum plane is a horizontal
6 plane six hundred six mm, or two feet, above the highest water level for the area occurring under
7 normal circumstances;

8 (c) The electrical datum plane for floating piers and landing stages that are installed to
9 permit rise and fall response to water level, without lateral movement, and so equipped that they can
10 rise to the datum plane established for subdivisions (1) or (2) of this subsection, is a horizontal plane
11 seven hundred sixty-two mm, or thirty inches, above the water level at the floating pier or landing
12 stage and a minimum of three hundred five mm, or twelve inches, above the level of the deck;

13 (2) "Marine power outlet", an enclosed assembly that may include receptacles, circuit
14 breakers, fused switches, fuses, a watt-hour meter or meters, and monitoring means approved for
15 marine use.

16 320.504. 1. The main overcurrent protective device serving the dock shall be protected with
17 ground fault protection not exceeding 100 mA. The circuits leaving the sub-panels on the dock
18 shall be GFCI personal protected with a breaker; all branch circuits on a dock shall be GFCI
19 protected, not just the receptacle outlets.

20 2. Yard and pier distribution systems shall not exceed six hundred volts phase to phase.

21 3. Transformers and enclosures shall be specifically approved for the intended location.
22 The bottom of enclosures for transformers shall not be located below the electrical datum plane.

23 320.506. The service equipment for floating docks or marinas shall be located adjacent to,
24 but not on or in, the floating structure. The service equipment shall be at or within six feet of the
25 marina and boatyard ramp.

26 320.508. Existing service or feeder service conductors to a dock not meeting the current
27 requirements shall not continue as installed. The conductors shall be inspected prior to being
28 covered for confirmation to determine they meet the installation requirements for conductors as
29 identified in the 2011 National Electrical Code. Any type NM, NMC, and NMS cable used as the
30 service of feeder service conductors shall be replaced in a weatherproof junction box where it exits
31 the residence. Underground feeder cable shall meet all the current installation requirements for the
32 type of conductors used including the correct burial depth.

33 320.510. The disconnecting means for the service or feeder service equipment shall be
34 forty-two inches above a finished grade or surface and shall be measured to the bottom of the
35 equipment enclosure.

36 320.512. All electrical connections shall be located at least thirty-six inches above the deck
37 of a floating pier, pier, or dock.

38 320.514. 1. Electrical equipment enclosures installed on piers above deck level shall be
39 securely and substantially supported by structural members, independent of any conduit connected
40 to them. If enclosures are not attached to mounting surfaces by means of external ears or lugs, the
41 internal screw heads shall be sealed to prevent seepage of water through mounting holes.

42 2. Electrical equipment enclosures on piers shall be located so as not to interfere with
43 mooring lines.

44 3. Weatherproof enclosures shall be allowed to have weep holes.

45 320.516. Circuit breakers and switches installed in gasketed enclosures shall be arranged to
46 permit required manual operation without exposing the interior of the enclosure. All such
47 enclosures shall be arranged with a weep hole to discharge condensation.

48 320.518. General lighting and other loads shall be calculated in accordance with article 220

1 of the National Electrical Code of 2011 and, in addition, the demand factors set forth in the table
 2 contained in section 320.320 shall be permitted for each service or feeder circuit supplying
 3 receptacles that provide shore power for boats. These calculations shall be permitted to be modified
 4 as indicated in notes (1) and (2) of the table contained in section 320.520.
 5 320.520.

Number of Receptacles	Demand Factors Sum of the Rating of the Receptacles (percent)
1-4	100
5-8	90
9-14	80
15-30	70
31-40	60
41-50	50
51-70	40
71-and up	30

17 Notes:

18 1. Where shore power accommodations provide two receptacles specifically for an
 19 individual boat slip and these receptacles have different voltages, only the receptacle with the larger
 20 kilowatt demand shall be required to be calculated.

21 2. If the facility being installed includes individual kilowatt-hour submeters for each slip
 22 and is being calculated using the criteria listed in the table contained in this section, the total
 23 demand ampere may be multiplied by 0.9 to achieve the final demand ampere.

24 3. These demand factors may be inadequate in areas of extreme hot or cold temperatures
 25 with loaded circuits for heating, air-conditioning, or refrigerating equipment

26 320.522. 1. All installations measured from above the waterline and below eight feet shall
 27 be considered a wet location. All installations above eight feet and not exposed to weather shall be
 28 considered damp locations.

29 2. Wiring methods of Chapter 3 of the National Electrical Code of 2011 shall be permitted
 30 where identified for use in wet locations.

31 3. Extra-hard usage portable power cables rated not less than 167°F (75°C), six hundred
 32 volts; listed for both wet locations and sunlight resistance; and having an outer jacket rated to be
 33 resistant to temperature extremes, oil, gasoline, ozone, abrasion, acids, and chemicals shall be
 34 permitted as follows:

35 (1) As permanent wiring on the underside of floating or fixed piers;

36 (2) If flexibility is necessary as on piers composed of floating sections; and

37 (3) Temporary wiring, except as permitted by article 590 of the National Electrical Code of
 38 2011 shall not be used to supply power to boats.

39 320.524. 1. Outside branch circuits and feeders shall comply with article 225 of the
 40 National Electrical Code of 2011, except that clearances for overhead wiring in portions of the yard
 41 other than those described in article 555.13(B)(1) of the code shall not be less than 5.49 m, or
 42 eighteen feet, above grade.

43 2. If portable power cables are permitted under article 555.13(A)(2) of the National
 44 Electrical Code of 2011, the installation shall comply with the following:

45 (1) Cables shall be properly supported;

46 (2) Cables shall be located on the underside of the pier;

47 (3) Cables shall be securely fastened by nonmetallic clips to structural members other than
 48 the deck planking;

1 (4) Cables shall not be installed where subject to physical damage; and

2 (5) If cables pass through structural members, they shall be protected against chafing by a
3 permanently installed oversized sleeve of nonmetallic material.

4 3. If portable power cables are used as permitted in article 555.13(A)(2)(2) of the National
5 Electrical Code of 2011, there shall be an approved junction box of corrosion-resistant construction
6 with permanently installed terminal blocks on each pier section to which the feeder and feeder
7 extensions are to be connected. A listed marine power outlet employing terminal blocks or bars
8 shall be permitted in lieu of a junction box. Metal junction boxes and their covers, and metal screws
9 and parts that are exposed externally to the boxes, shall be of corrosion-resistant materials or
10 protected by material resistant to corrosion.

11 4. Rigid metal conduit, reinforced thermosetting resin conduit (RTRC) listed for above-
12 ground use, or rigid polyvinyl chloride (PVC) conduit suitable for the location shall be installed to
13 protect wiring above decks of piers and landing stages and below the enclosure that it serves. The
14 conduit shall be connected to the enclosure by full standard threads or fittings listed for the use in
15 damp or wet locations, as applicable. The use of special fittings of nonmetallic material to provide
16 a threaded connection into enclosures on rigid nonmetallic conduit, employing joint design as
17 recommended by the conduit manufacturer, for attachment of the fitting to the conduit shall be
18 acceptable, provided the equipment and method of attachment are approved and the assembly meets
19 the requirements of installation in damp or wet locations as applicable.

20 320.526. 1. Wiring and equipment within the scope of sections 320.500 to 320.536 shall be
21 grounded as specified in article 250 and as required by article 555.15(A) through 555.15(E) of the
22 National Electrical Code of 2011.

23 2. The following items shall be connected to an equipment grounding conductor run with
24 the circuit conductors in the same raceway, cable, or trench:

25 (1) Metal boxes, metal cabinets, and all other metal enclosures;

26 (2) Metal frames of utilization equipment; and

27 (3) Grounding terminals of grounding-type receptacles.

28 3. The equipment grounding conductor shall be an insulated copper conductor with a
29 continuous outer finish that is either green or green with one or more yellow stripes. The equipment
30 grounding conductor of Type MI cable shall be permitted to be identified at terminations. For
31 conductors larger than 6 AWG, or if multiconductor cables are used, re-identification of conductors
32 as allowed in articles 250.119(A)(2)(b) and 250.119(A)(2)(c), or articles 250.119(B)(2) and
33 250.119(B)(3), of the National Electrical Code of 2011 shall be permitted.

34 4. The insulated copper equipment grounding conductor shall be sized in accordance with
35 250.122 but not smaller than 12 AWG.

36 5. The insulated equipment-grounding conductor for branch circuits shall terminate at a
37 grounding terminal in a remote panelboard or the grounding terminal in the main service equipment.

38 6. If a feeder supplies a remote panelboard, an insulated equipment-grounding conductor
39 shall extend from a grounding terminal in the service equipment to a grounding terminal in the
40 remote panel board.

41 7. The installation shall be made in conduit suited for the application secured tightly to the
42 supporting structure and buried underground to the ground rod, and shall comply with article 254.64
43 of the National Electrical Code of 2011.

44 8. The existing service at service equipment shall have a proper grounding electrode system
45 as provided in section 250.50 of the National Electrical Code of 2011. If the service is not properly
46 grounded, a grounding electrode system shall be installed that meets the requirements of the 2011
47 National Electrical Code.

48 320.528. 1. Disconnecting means shall be provided to isolate each boat from its supply

1 connection or connections.

2 2. The disconnecting means shall be permitted to consist of a circuit breaker, switch, or
3 both, and shall be properly identified as to which receptacle it controls.

4 3. The disconnecting means shall be readily accessible, located not more than seven
5 hundred sixty-two mm, or thirty inches, from the receptacle it controls, and shall be located in the
6 supply circuit ahead of the receptacle. Circuit breakers or switches located in marine power outlets
7 complying with this section shall be permitted as the disconnecting means.

8 320.530. 1. All receptacles shall be GFCI protected.
9 Receptacles shall be mounted not less than thirty-six inches above the deck surface.

10 2. All shore power receptacles shall be GFCI protected.

11 3. Receptacles intended to supply shore power to boats shall be housed in marine power
12 outlets listed as marine power outlets or listed for set locations, or shall be installed in listed
13 enclosures protected from the weather or in listed weatherproof enclosures. The integrity of the
14 assembly shall not be affected when the receptacles are in use with any type of booted or nonbooted
15 attachment plug or cap inserted.

16 4. Means shall be provided as necessary to reduce the strain on the plug and receptacle
17 caused by the weight and catenary angle of the shore power cord.

18 5. Each single receptacle that supplies shore power to boats shall be supplied from a marine
19 power outlet or panelboard by an individual branch circuit of the voltage class and rating
20 corresponding to the rating of the receptacle. Supplying receptacles at voltages other than the
21 voltages marked on the receptacle may cause overheating or malfunctioning of connected
22 equipment.

23 6. Shore power for boats shall be provided by single receptacles rated not less than thirty
24 amperes. For locking-type and grounding-type receptacles for auxiliary power to boats, the
25 provisions of article 303-2000, Fire Protection Standards for Marinas and Boatyards, of the National
26 Electrical Code of 2011, shall apply.

27 7. Receptacles rated not less than thirty amperes or more than 50 amperes shall be of the
28 locking and grounding type.

29 8. Receptacles rated for sixty amperes or 100 amperes shall be of the pin and sleeve type.

30 9. Fifteen and twenty ampere, single-phase, 125-volt receptacles installed outdoors, in
31 boathouses, in buildings or structures used for storage, maintenance, or repair where portable
32 electrical hand tools, electrical diagnostic equipment, or portable lighting equipment are to be used
33 shall be provided with GFCI protection for personnel. Receptacles in other locations shall be
34 protected in accordance with 210.8(B) of the National Electrical Code of 2011.

35 10. Receptacles other than those supplying shore powers to boats shall be permitted to be
36 housed in marine power outlets with the receptacles that provide shore power to boats, provided
37 they are marked to clearly indicate that they are not to be used to supply power to boats.

38 320.532. Electrical wiring and equipment located at or serving motor fuel dispensing
39 stations shall comply with Article 514 of the National Electrical Code of 2011 in addition to the
40 requirements of sections 320.500 to 320.536. All electrical wiring for power and lighting shall be
41 installed on the side of the wharf, pier, or dock opposite from the liquid piping system.

42 320.534. Electrical wiring and equipment located at facilities for the repair of marine craft
43 containing flammable or combustible liquids or gases shall comply with article 511 of the National
44 Electrical Code in addition to the requirements of sections 320.500 to 320.536.

45 320.536. Motors and controls for marine hoists, railways, cranes, and monorails shall not be
46 located below the electrical datum plane. If it is necessary to provide electric power to a mobile
47 crane or hoist in the yard and a trailing cable is utilized, it shall be a listed portable power cable
48 rated for the conditions of use and be provided with an outer jacket of distinctive color for safety.";

1 and

2

3 Further amend said bill by amending the title, enacting clause, and intersectional references
4 accordingly.

5

6 THIS AMENDMENT AMENDS AMENDMENT 5923H01.05H