



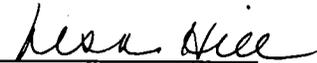
State of Rhode Island
Department of Administration / Division of Purchases
One Capitol Hill, Providence, Rhode Island 02908-5855
Tel: (401) 574-8100 Fax: (401) 574-8387

ADDENDUM #5

1/8/15

RFQ #7549049
TITLE: PORTSMOUTH MAINTENANCE FACILITY
SUBMISSION DEADLINE: 1/22/15 – 11:00 a.m.

SEE ATTACHED


Lisa Hill
Chief Buyer

I. Specifications

1. Section 01 23 00 ALTERNATES. Change the Schedule of Alternates from the listings in both the Project Manual Section 01 23 00 Alternates and Addendum #2, II Specifications, Item # [pages 2 of 9 and 3 of 9]. The new listing numbers for each Alternate is as follows:
 - A. Alternate No. 1 Brine and Magnesium Storage and Dispensing Systems
 1. Base Bid: none
 2. Alternate: Prepare site, soils as noted in Section 13 66 13, installing compacted aggregate columns and as detailed on drawing G-1; provide foundations, structure as detailed on drawings C002, C102 and Specification provide electrical power and cabling as required under the electrical information in this addendum.
 3. Provide four 5,000 gallon brine above ground storage tanks and one 5,000 gallon magnesium chloride above ground storage tank. Refer to the Specification Section 33 40 00 for additional information.
 4. Contractor to coordinate and construct the Tanks as indicated.
 - B. Alternate No. 2, Cold Patch Shed
 1. Base Bid: none
 2. Alternate: Prepare site, soils as noted in Section 13 66 13, installing compacted aggregate columns and as detailed on drawing G-1; located on drawing C102; provide foundations, structure as detailed on drawings S110, A410, and A411.
 3. Contractor to coordinate and construct the Shed as indicated.
 - C. Alternate No. 3, Metal Storage Shed
 1. Base Bid: none
 2. Alternate: Prepare site, soils as noted in Section 13 66 13.13, installing compacted aggregate columns and as detailed on drawing G-1; located on drawing C102; provide foundations, structure as detailed on drawings S110, A410, and A411.
 3. Contractor to coordinate, design, and construct the Shed as indicated.
 - D. Alternate No. 4, Large Ceiling Fans in Vehicle Bay Room 100
 1. Base Bid: No large blade ceiling fans are required.
 2. Alternate: Provide large blade ceiling fans, three required, 14 foot diameter with all required electrical power, each with a manual control wall mounted keypad, centered each fan on grid line E at 5'-4" above finish floor. Provide all components necessary for a complete and functional system.
 3. Basis of Design: Powerfoil X 2.0 washdown, - 14 foot diameter, with ten airfoils with air fence, and winglets, safety yellow color. Motor 1.5 hp, fan speed 95 RPM maximum, with redundant safety features such as safety cable, etc., with master X series digital wall keypad with two X series slave control keypad. Each keypad with clear Plexiglas dust cover. Tie fire relay to shut down fan to fire alarm system. Provide all mounting hardware and structure to secure to Metal Building System main frames.
 4. Contractor to coordinate mounting connections, weights and locations with Metal Building System Manufacturer. Fan weight is approximately 400 pounds. Install at 21 feet above finish floor elevation.
 - E. Alternate No.5 High speed overhead doors for door # 100.2 & 100.7
 1. Base Bid: Section Doors Specifications Section 08 36 10.

2. Alternate: In lieu of the Section Doors at door locations 100.2 and 100.7 provide High Speed Overhead doors. Refer to Alternate # 3 specification Section 08 37 30 HIGH SPEED ROLLING DOOR, ALTERNATE #3.
 3. Contractor to coordinate modifications not limited to the door jamb and head steel framing; insulated metal wall panel details; electrical power as necessary for a complete and fully functional door system that is installed in a weathertight wall opening.
- F. Alternate No. 6 Large Capacity Vehicle Lift in Vehicle Bay Room 100 at the maintenance area.
1. Base Bid: Vehicle lift as specified in Division 11, Section 11 55 30 Vehicle Lift
 2. Alternate: In lieu of specified vehicle lift, provide 50,000 pound lift, 41 feet overall length, wheel base 30 feet – 0 inches minimum, between columns 24 feet; width of runways 32 inches; 12 feet clear inside of columns, rise height 73 inches; 15 hp motor, 30 amp, independent control console; single point air actuated lock release, anti-skid diamond plate ramps secured in place. Speed rate approximately 75 seconds to full height under load condition.
 3. Base of Design: 44050X Series, four post heavy duty lift as manufactured by American Custom Lifts.
 4. Contractor to coordinate modifications, not limited to, the compressed air, electrical power as necessary for a complete and fully functional lift system.

2. Section 01 91 13 BUILDING COMMISSIONING REQUIREMENTS

- A. Clarification: Paragraph 1.2, D, add the following: ' 7. Division 7 Thermal and Moisture (Spray Acoustical Insulation, Thermal Insulation, Under Slab Vapor Barrier, Air and Vapor Barrier, Insulated Metal Wall Panel, EPDM Roofing). 8. Division 8 Openings (Translucent Wall Panels, Aluminum Windows).
- B. Clarification: Paragraph 1.5, A, 3: Add the following: The Cx Authority will review Commissioned equipment and system related submittals to ensure compliance with the Owner's Project Requirements and Basis of Design with special attention to the requirement for ongoing operation and maintenance and for facilitating performance testing."
- C. Clarification: Paragraph 1.5, A, 9: Add the following: "Reference paragraph 3.5, Non-Conformance and Approval of Tests. sub paragraph B. Cost of Retesting"

3. Section 07 42 10 INSULATED METAL WALL PANELS

- A. Clarification: Paragraph 2.3, A: Delete the word 'Horizontal' at the first line.
- B. Clarification: Paragraph 3.4: Add the following: C. Testing Results: Water-Spray Testing. The passing rating will be meeting the manufacturer's written test results as indicated in the manufacturer's written literature."

4. Section 07 53 20 ETHYLENE-PROPYLENE-DIENE-MONONMER (EPDM)

- A. Clarification: Specification Section 07 53 20: Paragraph 1.11, A, 2: Correction. The warranty period is to be the roofing manufacturer's 20 years from date of Substantial Completion. Addendum #2, II Specifications, item 9.B is to be deleted.
- B. Clarification: Addendum #2, II Specifications, Item #9.G: Intent is for the insulation and cover board to be mechanically fastened to the roof deck per roof manufacturer's

requirements to meet the required wind loading, FM Data Sheets 1-28 and 1-29, and 20 year warranty requirements

- C. Clarification: Addendum #2, II Specifications, Item #9.H: Intent is for the insulation and cover board to be mechanically fastened to the roof deck per roof manufacturer's requirements to meet the required wind loading, FM data sheets 1-28 and 1-29, and 20 year warranty requirements.
 - D. Specification 07 53 20 Paragraph 3.6: Adhered Membrane Roofing Installation is required. Intent is for the roof membrane to be fully adhered to the cover board per roof manufacturer's requirements to as required to meet the required wind loading, FM data sheets 1-28 and 1-29, and 20 year warranty requirements.
 - E. Clarification: Specification Section 07 53 20: Paragraph 3.7, Mechanically Fastened Membrane Roofing Installation to be deleted.
 - F. Clarification: Addendum #2, II Specifications, Item #9.I: Delete this item. Intent is for the insulation and cover board to be mechanically fastened to the roof deck per roof manufacturer's requirements to meet the required wind loading, FM data sheets 1-28 and 1-29, and 20 year warranty requirements.
 - G. Clarification: Roofing system to meet the RI State roof requirements as follows: install per manufacturer's recommendations and requirements for a weather tight installation with a 20 year warranty, 2 year installer warranty, meeting at the minimum, the requirements of the Factory Mutual Insurance Criteria for FM Data Sheet 1-28 'Wind Design' and Sheet 1-29 'Roof Deck Securement and Above Deck Roof Components'.
5. Section 10 22 10 WIRE MESH PARTITIONS
- A. Wire Mesh partitions may be substituted for the chain link fencing at the Parts 102, east will at the Contractor's option.
6. Section 11 51 50 STORAGE EQUIPMENT, MEZZANINE STRUCTURE
- A. Paragraph 2. Design, 2.2 Specification, 2.1.4 delete the wording in its entirety and insert the following: 'RI State Building Code which is the IBC 2012 plus the RI Amendments to the IBC base code.'
 - B. Paragraph 3 Structure, 3.1 Railings, 3.1.4 delete the wording in its entirety and insert the following: 'Standard handrail design to meet the more stringent design of OSHA and/or the RI State Building code for Storage Occupancy, not open to the public, unless noted otherwise. The horizontal railing spacing shall not allow the passage of a sphere 21 inches in diameter. Note that the top of the guard railing around the Mezzanine shall be a minimum of 48 inches above the mezzanine floor deck.'
 - C. Paragraph 3 Structure, 3.4 Stairs, 3.4.2 delete the wording in its entirety and insert the following: The stair design shall meet the more stringent design of OSHA and/or RI State Building code for Storage Occupancy, not open to the public, unless noted otherwise. The handrail shall be set at 36" above the riser nosing; the guard railing shall be a minimum of 48 inches in height above the tread nosing; and the riser height shall not exceed seven inches and the tread width shall not be not be less than 11 inches from tread nosing to tread nosing".
7. Section 13 12 00 METAL BUILDING SYSTEMS
- A. Paragraph 2.2 Primary Framing, C Finish: Add the following acceptable color: 'Light Grey'.
 - B. Paragraph 2.3 Secondary Framing, C Girts, 2 Finish: Add the following acceptable finish for Girts: 'Pre-Coated galvanized cold form, hot dipped otherwise, smooth finish.' Isolation of dissimilar materials is required as necessary. General Contractor to coordinate."

8. Section 31 66 13 COMPACTED AGGREGATE COLUMNS. Revise the wording of 'Part 4-MEASUREMENT AND PAYMENT' on page 9 of 9 as follows:

- A. Delete paragraphs 4.1 and 4.2 in their entirety.
- B. Insert the following paragraphs 4.1 Method of Measurement and 4.2 Basis of Payment:

"4.1 METHOD OF MEASUREMENT

- A. Rammed aggregate columns shall not be measured separately for payment.

4.2 BASIS OF PAYMENT

- A. Payment for the design, supply, installation, testing, pre-construction survey, construction monitoring, and any other task associated with the rammed aggregate column foundation system shall be included in the lump sum payment for the Project. Payment shall include equipment labor, materials, testing, and any other incidental costs required to design, supply, install, test, complete the pre-construction survey, complete the construction monitoring, and any other incidental task associated with the rammed aggregate column foundation system that is required to finish the work complete and accepted by the Engineer."

II. Drawings

1. A030 Typical Wall, Roof & Floor Construction
 - A. Clarification: Delete the word 'Interior' at the Note titles so as to read 'Wall Designations' and 'General Notes'
 - B. Clarification: Under 'General Notes' add the following: '13. All air vapor barrier and insulation penetrations (by pipes, conduits, fenestration, ductwork, and other similar work) shall be properly sealed air and weather-tight. In addition at all penetrations through the wall panels, CMU back up, and/or roof insulation shall be sealed air and weather-tight (includes ductwork, pipes, conduit, fenestration, and other similar work) shall be properly sealed air and weather-tight. Use of batt insulation is not an acceptable means of sealing penetration at exterior conditions.'
2. A101 First Floor Plan
 - A. Floor Plan Work Note A06 & A06.1. The 10 foot sliding gate is to be a pair of 5 wide by 8 feet high gate leafs. The locking method for the sliding gates is to be by a padlock with the padlock cylinder to be compatible with the building hardware. The padlock is specified on Drawing A900 under the Hardware & Accessories, Lockset as L11 (padlock). Provide pair of gate latching device to receive the required padlock.
3. A103 Equipment Plan
 - A. Equipment Plan Work Notes #EQ 5.1. Delete reference to 'Heavy Loading 250 lbs/sf'. Provide 150 pounds per square foot loading per Specifications Section 11 51 50 STORAGE EQUIPMENT, MEZANNINE STRUCTURE.
 - B. Mezzanine Plan, detail 1/A103, the pair of 3 foot wide swinging gates shall be 48 inch high and shall be the mezzanine manufacturer's OSHA compliant railing system prepped for both non locking latch for normal hours of operation and for after-hours securing with padlock hardware type L11 as defined on drawing A900 under Hardware & Accessories.

- C. Mezzanine Plan, 1/A103, the removable safety chains are independent of the pair of swing gates. The purpose of the safety chains are to remain in place while the gates are being opened. Removal of the safety chains are when material is being moved through the opening and then reinstalled prior to the gates being closed.
4. A200 Exterior Elevations
- A. Delete Exterior Material and Color #1D from the Project.
5. A500 Exterior Sections
- A. Clarification: Detail 3, & 4. Change the material note #74M to 70C, Cap flashing within the roof assembly.
- B. Clarification Detail 6. Omit reference to material note #74M.
- C. Clarification Detail 2 & 6. Provide low expansion polyurethane foam insulation at the deck flutes, top and bottom, to seal deck to the roof blocking above and the steel structure below weather tight as both thermal and air barriers.
6. A501 Exterior Sections
- D. Clarification: Detail 1: Change Wall Construction Type from 4C to Wall Type 2. The air vapor barrier material note #74M [indicated above the material note #45M should be changed to material note #71c. The bottom material note #74M [indicated above material note #45L] to remain as indicated, #74M for the membrane flashing for the cavity base wall flashing.
- E. Clarification: Detail 2 & 3. Change the material note #74M to 76B.
7. A903 Window Details & Schedule
- A. Detail 2/A903: Delete bullnose indication at exterior 4 inch veneer. Provide square corner.
8. E100
- A. Add: At each site light Type 'G' pole, provide light pole break away 'kits' per SKE.05.
- B. Clarification: Site lighting conduit size shall be 2" schedule 40 PVC. Concrete encase conduit under paved areas.
- C. Clarification: Site lighting sire size shall be minimum two #6, one #8 GRD, Type XHHW. Coordinate Panel L schedule shown E501.
- D. Clarification: Exterior lighting is to be controlled by the time clock in the lighting relay control panel located in Electrical Room 104.
- E. The conduits associated with the fuel tank island shall be PVC in the concrete duct bank and are to transition to rigid steel at each end before the elbow leading up.
- F. The 'FIP' panel is future, not in this contract, to be located by RIDOT. Terminate conduits in through as shown in elevation A-A. Provide conduits capped at interior west wall of Parts 102 on the CMU wall. Coordinate locations with Furniture Plan F101.
9. E301
- A. Clarification Locate the 800 amp NEMA 1 main breaker is to be located in the Electrical Room 104. Electrical Contractor to provide room layout accordingly.
10. Add the following new sketches to the Project Documents:
SKE.02R Precast Type 'A' Handhole dated 02 May 2014.
SKE.05 Breakaway Support Couplings for Light Standards dated 02 May 2014
11. Delete the following sketches from the Project Documents:
- A. Addendum #2 dated 18 December 2014 item #22.C, Sketch SKE.02 is void. Replaced by SKE.02R issued this addendum.

III. General Questions and Answers**1. Metal Building Questions**

- A. The horizontal deflection requirement may not be reduced. Provide as specified.
- B. Finish of Purlins must be compatible with the spray coating required under Section 07 21 20 Spray Acoustical Insulation. General Contractor to coordinate between the Trades.
- C. Galvanized purlins may be allowed if resistant to salt and calcium, in contact with metal panel and associated fasteners. Proper isolation of dissimilar metals will be required. General Contractor to coordinate between the Trades.
- D. Roof purlins to remain as required by drawings and specifications, flush design. Bypass design purlins are not acceptable and may not be used.
- E. Eave height to be as required by drawings and specifications.
- F. At the metal building overhead door jambs and headers on A902, the steel framing indicated is to be provided as detailed. No substitutions.

2. Masonry General Questions

- A. The exterior 4" inch veneer around the exterior windows does not require bullnose corners at the head, jamb, or sills.
- B. Drawing A010 does not indicate no fire rated CMU walls, only indicates that there is not a specific State Building Code, based on the construction, that load bearing wall and occupancy separation walls are not code required to have a fire rating [note that the architect can exceed the State Building Code within the building design]. Specifications 04 22 00 provides the specifications for fire rated CMU material [when it is required by the documents]. The floor plan indicates the wall construction types required. The required wall construction types are detailed and indicated on drawing A030. Contractor/bidder to confirm where the fire rated walls are required by careful review of the plans and other bid documents.
- C. Material Note #74M [A002 Material List] is defined within the specifications Section 04 22 00 Paragraph 2.9, B Flexile Membrane (metal) Flashing.

End of Addendum #4

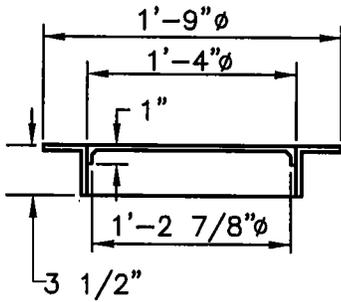
Attachments:

SKE.02R Precast Concrete Type A Handhole dated 02 May 2014

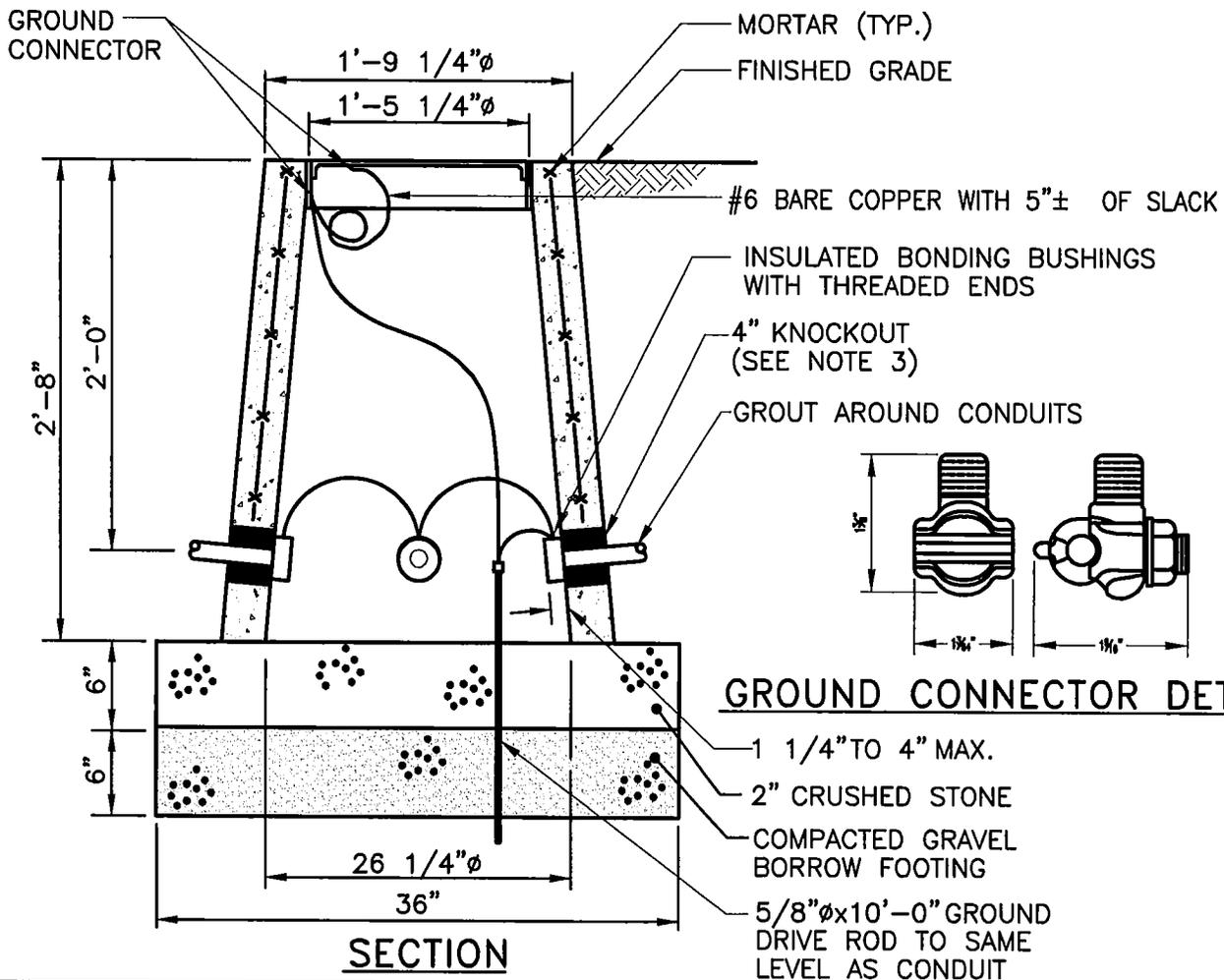
SKE.05 Breakaway Support Couplings for Light Standards dated 02 May 2014

NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION T.05 OF THE R.I. STANDARD SPECIFICATIONS.
2. COVER TO HAVE DIAMOND SURFACE AND THE WORD "ELECTRIC" FOR ELECTRIC HANDHOLES, "SIGNAL" FOR SIGNAL HANDHOLES AND "COMM." FOR TELEPHONE HANDHOLES.
3. 4" KNOCKOUTS ARE TO BE PROVIDED ON ALL FOUR SIDES OF THE HANDHOLE. FOLLOWING CONDUIT INSTALLATION THE CONTRACTOR SHALL SEAL AROUND CONDUIT ENTRANCES WITH CEMENT.
4. MINIMUM REQUIRED CONCRETE REINFORCEMENT = (EACH WAY). 0.058 SQ. IN./LIN. FT.
5. HANDHOLE RING TO BE SET IN MORTAR OVER HANDHOLE WALL.
6. FRAME AND COVER TO BE PROVIDED WITH GROUND CONNECTOR (BLACKBURN CAT.# TTC3 CONNECTOR) AND WELD NUT. BOND BOTH ITEMS TO GROUND ROD USING #6cu. BARE CONDUCTOR.
7. MAX ADJUSTMENT FOR COVER TO FINISH GRADE NOT EXCEED 3".



**SECTION
HANDHOLE RING
AND COVER**



GROUND CONNECTOR DETAIL

50 Holden Street
Providence, Rhode Island 02908

Phone: (401) 272-1730
Fax: (401) 273-7156

E-mail: rgbinfo@rgb.net
www.rgb.net

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Project



STATE OF RHODE ISLAND DEPARTMENT
OF TRANSPORTATION
PROPOSED MAINTENANCE FACILITY
BOYDS LANE, PORTSMOUTH

Contents

**PRECAST TYPE "A"
HANDHOLE**

Project No. 20140066

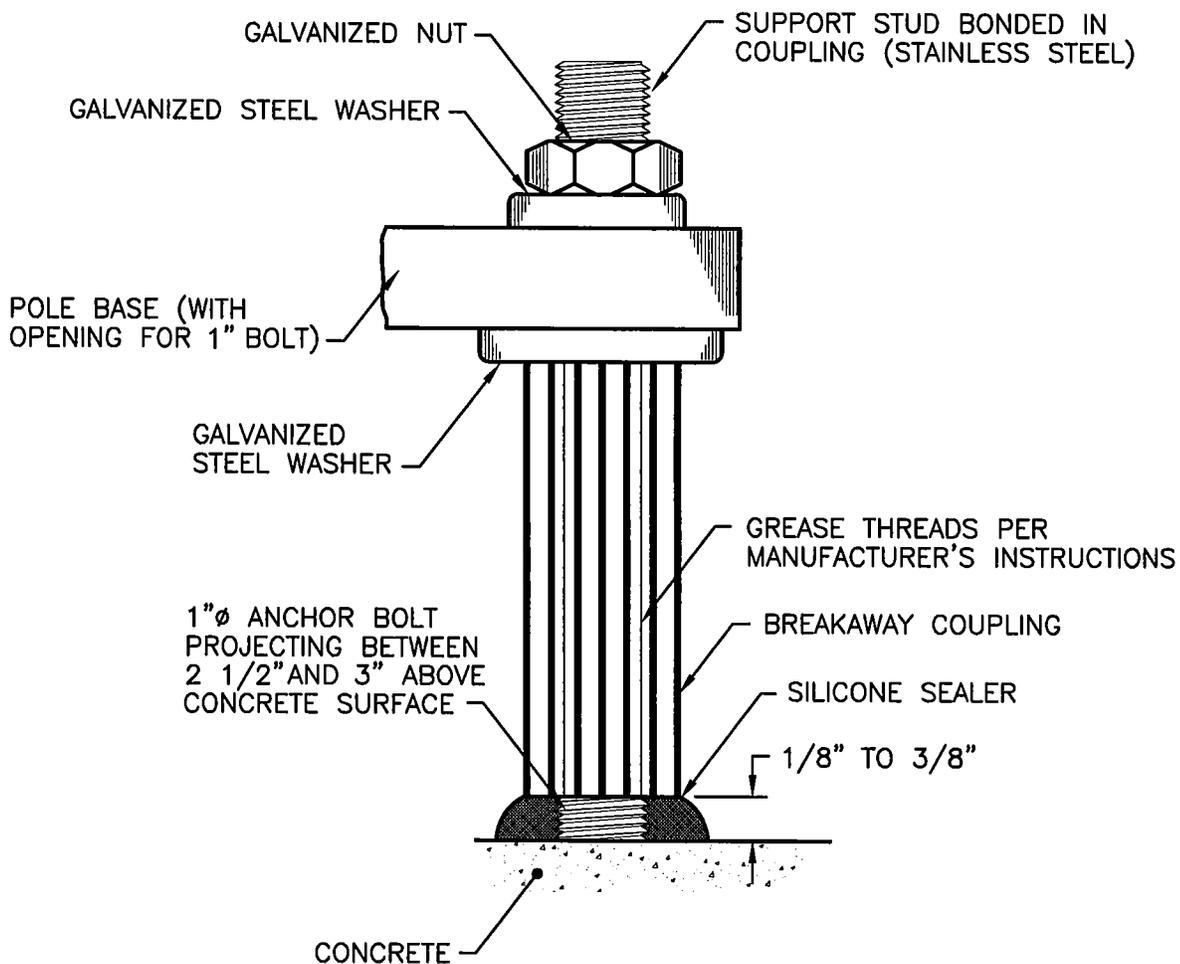
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Issued 02-May-14

Drawing No.

SKE.02R

Sheet of



NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION T.08 OF THE R.I. STANDARD SPECIFICATIONS.
2. STD. 18.3.5 TO BE USED WITH THIS STANDARD.

50 Holden Street
Providence, Rhode Island 02908

Phone: (401) 272-1730
Fax: (401) 273-7156

E-mail: rgbinfo@rgb.net
www.rgb.net

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Contents
**BREAKAWAY SUPPORT
COUPLINGS FOR LIGHT
STANDARDS**

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Drawing No.

SKE.05

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