



Invitation to Tender (ITT)
Main Entrance/Colonnade Glazing/Roof Replacement
Reference #: NGC110697
Buy and Sell Reference #: PW-17-00789081
September 13, 2017

ADDENDA # 2

This Addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. The cost of all contained herein is to be included in the contract sum. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form, specifically article G.2.

1. Who is responsible for the lightning protection, is it the general contractor or the electrical contractor?
 - a. The General Contractor will coordinate the reinstatement of the lightning protection with the appropriate subcontractor.
2. Please confirm the Monthly/Daily parking rates available from NGC on Level P2 per individual.
 - a. Parking rates are as follows:
 - Daily: \$2.75/half hour daily maximum of \$14
 - Monthly: \$200
3. Appendix O - 01 0 00 Section 5.1; Invitation to Tender - Page 55, Item 29 - Please clarify the intent of the note in the Invitation to Tender where it states "no building permits required". This is in conflict with the General Instructions section of the Specifications.
 - a. The NGC can confirm that no building permits are required.
4. Appendix T - Thaler Drawing/Swing Stage Drawing & Roof Anchors/Fall Arrest Narrative - Please clarify if the intent of this document is for information/coordination purposes only or if this is deemed to be part of the tender. If it is deemed to be part of our tender price, please confirm if it is acceptable to use other vendors? Also, if there are Structural Requirements outside of the Swing Stage Ltd drawings, please provide a clear concise drawing/sketch of the steel required and the ancillary work to the roofing that this affects.
 - a. This is for information only, is not part of the tender.
5. Appendix O - Section 3.3, 3.7 & Appendix Q - Items 27,28,29,30 & 31 on the Drawing Notes & Typical Drawings - Please provide a clear and concise specification for the metal/steel components of the roof structure. Please also provide a full cross section of the roof showing the intent of these members and the intended fixing details to existing members.
 - a. The intent of the new roof construction is to provide a ventilated space beneath the lead coated copper roofing. The metal components are as described in Section 07 65 00 of the specifications:
 - i. Item 27: As per Section 2.1.13 – joist modified to include 10mm vent holes at 50mm o/c. Dimensions scalable from the drawings.



- ii. Item 28: As per Section 2.1.10. Dimensions scalable from the drawings.
- iii. Item 29: As per Section 2.1.13. Dimensions scalable from the drawings.
- iv. Item 30: As per Section 2.1.14
- v. Item 31: As per Section 2.1.10 custom bent as required. Dimensions scalable from the drawings.
- vi. Fastening as described in Section 3. Lower framing to be fastened into existing corrugated metal deck.
- vii. A full cross section of the roof is not available. The detail through the upper portion of the roof is similar to the lower portion of the roof indicated in detail B6.29. The photos below show a representation of similar roofs with; 1) existing roof with exterior elements removed and 2) completed roof reconstruction.



Similar roof – exterior elements removed



Similar roof – completed construction

6. Appendix O - 07 65 00 3.6 - Please provide a specification and size for the new proposed Roof Hatch.
 - a. Please see attached sample data sheet, on page 5, for roof hatch.
7. Appendix U - Tractel Sunscreen Drawing & Notes - Please clarify if the intent of this document is for information/coordination purposes only or if this is deemed to be part of the tender. If it is deemed to be part of our tender price, please confirm if it is acceptable to use other vendors? Also, if there are Structural Requirements outside of the Tractel drawing, please provide a clear concise drawing/sketch of the steel required and the ancillary work to the roofing that this affects.
 - a. This is for information only, is not part of the tender.
8. Appendix W - Facilities Planning & Management Drawings 5/5 Item 9 - Is the Fixed Ladder part of this tender. If so, please provide clear and concise drawings and a specification for same.
 - a. This is for information only, is not part of the tender.
9. Appendix S - 8303-E-003 - Please confirm that Lightning Protection is part of the Electrical scope of work for this tender and the cost is to be carried by all tendering parties in their submission.
 - a. Yes this will form part of the Electrical scope. Therefore, this work is to be carried by all tendering parties in their submission.



10. Section A.9.2 is now replaced by the following:

A.9.2 All enquiries **shall (M)** be submitted as early as possible within the bidding period. Enquiries must be received by **September 20, 2017 by 11:00 am (EDT)**. Questions received after this time **will not be answered**.

11. Section A.9.5 is now replaced by the following:

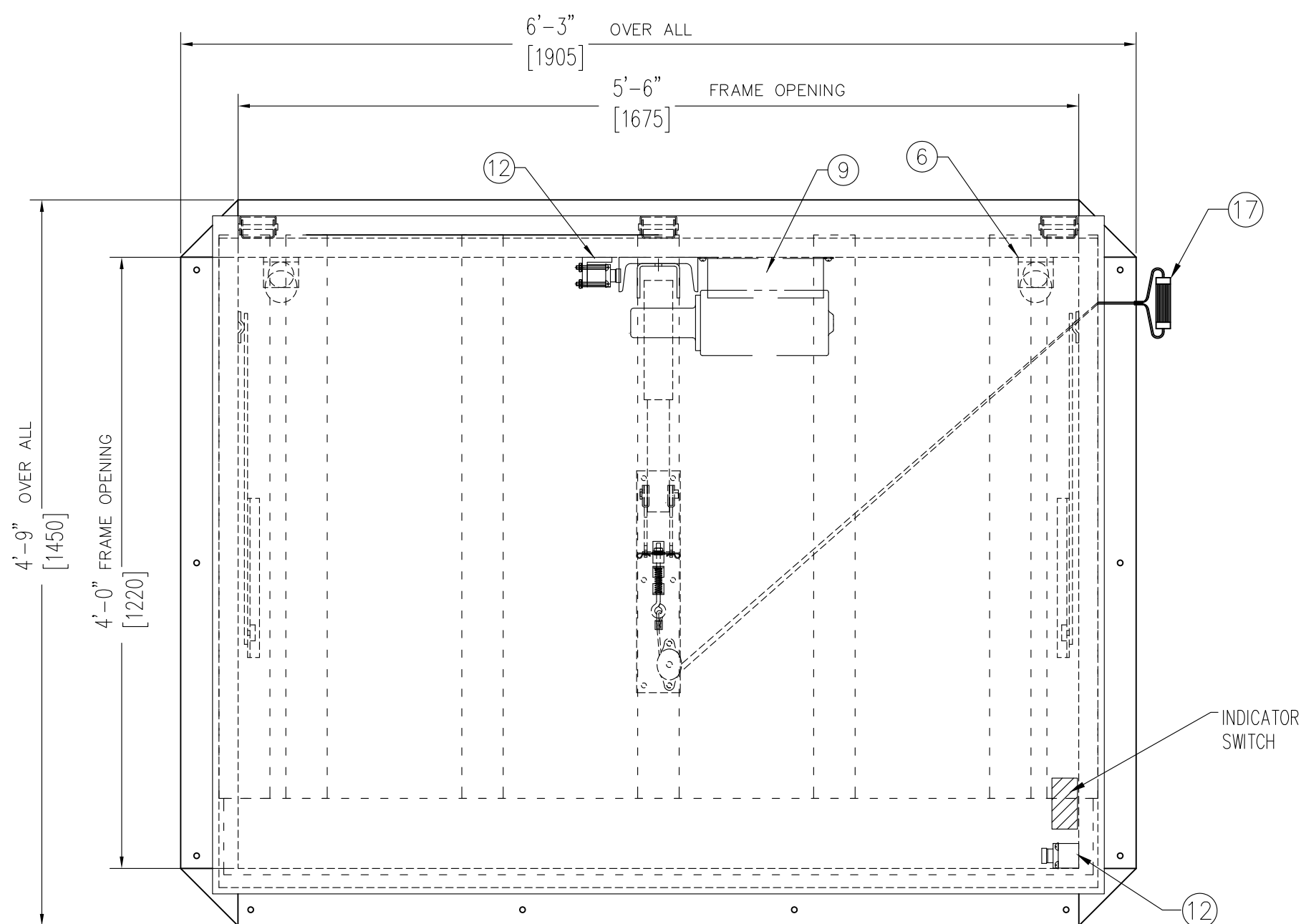
A.9.5 Proponents **shall (M)** promptly examine all documents comprising this ITT and **shall (M)** report any errors, and seek clarification of apparent errors, ambiguities or other problems by **September 20, 2017 by 11:00 am (EDT)**.

12. Section B.2.3 is now replaced by the following:

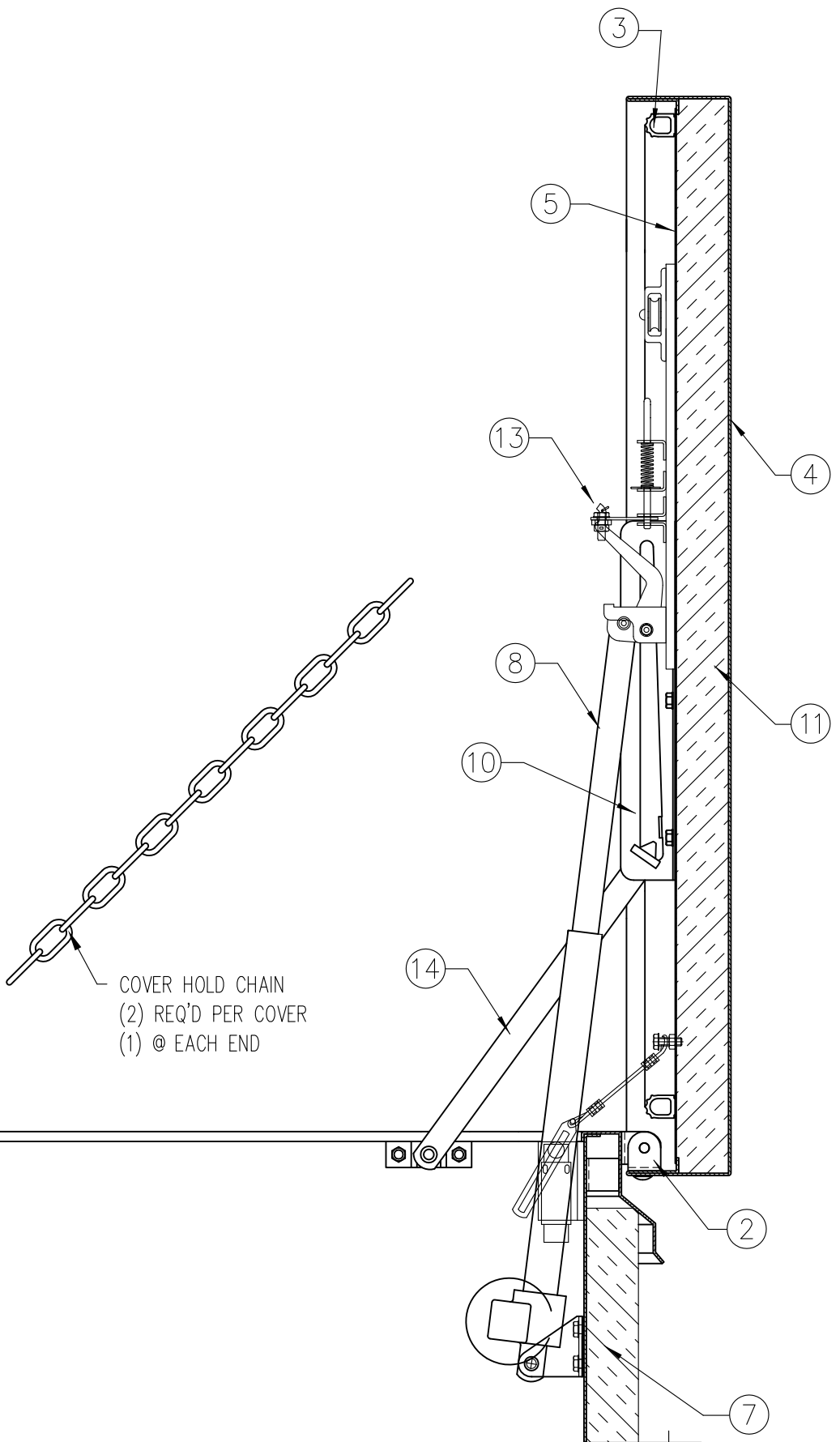
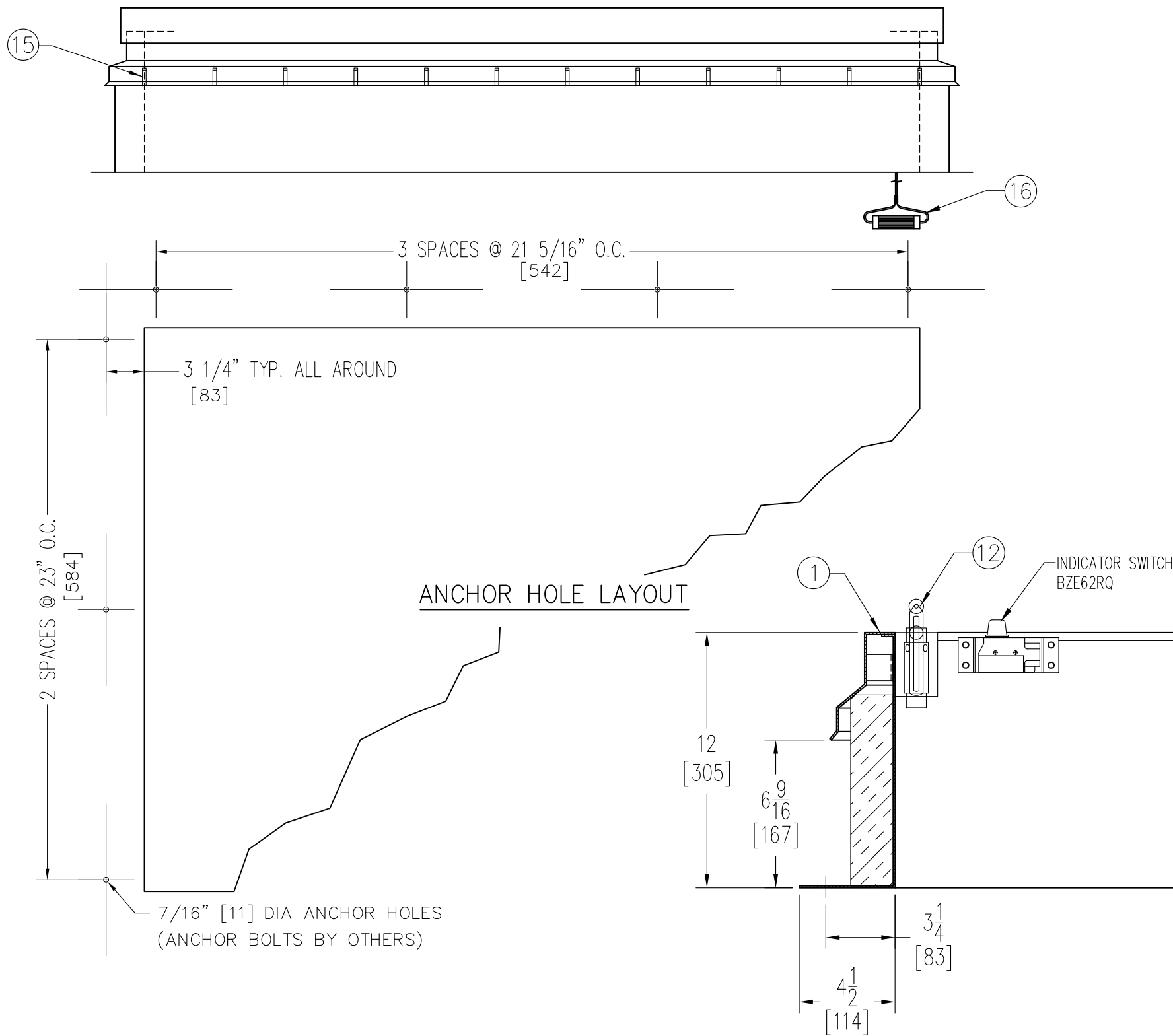
B.2.3 All Tenders must (M) be delivered to the address specified above, before the closing date and time as specified, unless subsequently amended by the NGC.

Closing Date: September 29, 2017
Time: 2:00 pm EDT

Sample drawing provided for information only



MOTOR OPERATOR:
115V 3400 RPM ACTUATOR (ACTUATOR IS SHIPPED SEPARATELY AND MUST BE MOUNTED IN THE FIELD)
W/ 1-(3) PUSH BUTTON STATION IN STANDARD CONTROL BOX
INSTALLATION OF ACTUATOR & ELECTRICAL HOOK UP BY OTHERS IF THE VOLTAGE IS OTHER THAN SPECIFIED
PLEASE ADVISE AFTER WIRING ELECTRICIAN ON SITE SHOULD ADJUST LIMIT SWITCHES IF NECESSARY



2@(400)

SECTION

SYM.	REVISION	DATE	BY
A	NEW RELEASE		
B	ADD PULL RELEASE MECHANISM & HANDLES	5/24/13	BF.

SPECIFICATIONS

1. FRAME 11 GAUGE ALUMINUM W/ CAPFLASHING (CORNERS FULL WELDED)
2. PINTLE HINGE
3. GASKET (ALL AROUND COVER)
4. COVER 11 GAUGE ALUMINUM
5. COVER LINER 18 GAUGE ALUMINUM
6. LIFTING MECHANISM WITH REINFORCED COMPOSITE TUBES AND COMPRESSION SPRINGS
7. 2" CURB INSULATION - POLYISOCYANURATE (SUPER TUFF-R)
8. BALL SCREW ACTUATOR
9. JUNCTION BOX
10. ARM GUIDE BRACKET
11. 2" COVER INSULATION - POLYISOCYANURATE (SUPER TUFF-R)
12. LIMIT SWITCH
13. COVER RELEASE MECHANISM
14. GUIDE ARM
15. FLASHING SYSTEM
16. PULL GRIP TO OPEN FROM INSIDE 1/8" DIA STEEL CABLE
17. PULL GRIP TO OPEN FROM OUTSIDE 1/8" DIA STEEL CABLE

THIS PRODUCT MAY BE INSTALLED ON EITHER A FLAT OR SLOPING ROOF. WHEN INSTALLED ON A SLOPE, THE HINGE SIDE MUST RUN PARALLEL WITH THE SLOPE. IF SLOPE EXCEEDS 30°, ADVISE FACTORY FOR MODIFICATION.

- 2 UNIT(S) REQUIRED
- SHOP FINISH:
COVER: MILL FINISH
FRAME: MILL FINISH
HARDWARE: ZINC PLATED & CHROMATE SEALED (UNLESS OTHERWISE SPECIFIED)

CUSTOMER:

P.O. N°

JOB: NATIONAL GALLERY

TAG:

SINGLE LEAF ROOF ACCESS HATCH SIZE 4'-0" x 5'-6" [1220mm x 1675mm]			
DRAWN BY	DATE	DRAWING NO.	REV.
	SCALE DO NOT SCALE		