

<b>Project:</b>	<b>Pier A Plaza Construction Services</b>	<b>Date:</b>	<b>March 28, 2013</b>
<b>Designer:</b>	<b>Arup</b>	<b>RE:</b>	<b>Addendum #01</b>
		<b># of Pages:</b>	<b>(2 pages)</b>

---

The following revisions and/or clarifications are to be made to the proposal documents for "Pier A Plaza Construction Services". They are a result of issues discussed at the pre-proposal conference held on March 20, 2013 and any questions received by close of business on March 27, 2013.

**Clarifications:**

1. **Proposal Due date is Wednesday, April 03, 2013, by 3 pm.**
2. **Insurance/Bonding: Please add City of New York to Battery Park City Authority and Battery Parks City Parks Conservancy as Additional Insured on CG 2010(11/85) or similar and Should be on all levels of Subs and also Hold Harmless in favor of BPCA.**
3. **Download links for bid drawings and specification are listed at the end of Exhibit A – General Description & Scope of Work on page 11 of the RFP.**
4. **No construction estimate is available.**
5. **Battery Park City Authority will notify selected bidders for post-bid interviews by 8 pm on Wednesday, April 03, 2013. Post-bid interviews will be on Thursday, April 04, 2013 at BPCA, One World Financial Center, 24<sup>th</sup> floor.**
6. **Please use attached Exhibit F – Schedule of Values Form.**
7. **Modify Specification 321440 Stone Paving, Item 2.4.A.1.1b to read as follows: Red Granite - Stony Creek Granite as supplied by Stony Creek Quarry Corporation of Branford, CT, to match granite installed at Peter Minuit Plaza, State Street, New York, NY.**

**Questions:**

1. Do you know the estimated value determined for the Pier A Plaza Construction Services?  
*Answer: There is no estimate or budget at this time.*
2. Is the job broken up into separate trades or will it be bid as one contract?  
*Answer: The job will be bid as one contract.*
3. Is there a range on the electrical portion of this project or a total job estimate?  
*Answer: Estimate not available.*
4. Are Plans available on line?  
*Answer: Download links for specs and drawings are at the bottom of Exhibit A which is on page 11 of the RFP.*
5. Please provide any boring/geotechnical information performed at this site.  
*Answer: No borings or geotechnical investigation available for this site.*
6. Please provide any as built drawings for existing structures that are to be demolished. In particular: on Dwg. No. G-201, the areas denoted as "Existing Concrete Foundation To Be Removed" and the walls located on the same dwg. near the seawall.  
*Answer: The Design Team are not aware of the thickness of any existing pavements within the site. Contractor should have performed a visual inspection during the Pre-Proposal Meeting at 03/20/2013.*
7. Please provide the thickness of the existing asphalt and concrete materials to be removed.  
*Answer: As no site investigation has been performed for the site, Contractor shall assume lump sum bid to include: Site contains various types of pavement; Contractor shall remove all surface pavement and up to 12"*

*below surface material (unless directed by Engineer); All excavation of this material shall be considered unclassified excavation; Any additional removals shall be assumed at the Contractor unit rate listed in Specification 01 22 00; The above is for pavement removals only, and shall not include any other items (not limiting to) structures of any kind, historical material, sawcutting, curbs, etc.*

8. The panel schedule on drawing E-311 conflicts with the circuitry designations on drawing E-313 please clarify which takes precedence and how many lighting circuits are required.

*Answer: The 50A receptacles should be supplied by 3-phase breakers from panel LP-P. See attached sketch SK-RFI-2-001 and SK-RFI-2-002.*

9. On drawing E-311 note #1 on the "Electrical Single Line Diagram" states to provide 4#4/O, 1#2G in NEW 2-1/2" conduit from ConEd service switch to panel "LP-P". However drawing E-312 shows the floor plan of the conduit run from the ConEd service switch to panel "LP-P" and note #1 on that drawing says it is existing. Please clarify

*Answer: The 2-1/2" conduit is existing, the conductors (4#4/O, 1#2 G.) are new. See attached sketch SK-RFI-2-001 and SK-RFI-2-002.*

10. Please provide as-built drawings or any details such as dimensions for the three wooden structures that are to be demolished: Milkshake, WW Tours and Photos. I cannot seem to locate them on the plans.

*Answer: All structures are accounted for on Demolition Plan G-201. Under Schedule of Values, Contractor shall disregard and DELETE line items: Wood framed structure - Milkshake Co., Wood framed structure - Waterway Tours, Wood framed structure - Photos*

11. Please inform us which Schedule of Values Form you would like for us to submit with our bid. The file attached in your original RFP to Laura Eisenhart at this office is different from the breakdown we downloaded from the link provided in the RFP. I have attached a copy of both to this email for your convenience. It appears as though the one with pages numbered from 18 to 22 is more thorough.

*Answer: Please see clarifications above.*

12. Please advise what values we are to use for the Allowances listed in the Schedule of Values. For example, on page 19 under STONE: there is a breakdown item for "Misc. anchoring hardware (Allowance)". Unfortunately I was unable to locate the dollar amounts for each in the bid documents.

*Answer: Under Schedule of Values where items listed with "allowances", Contractor shall disregard. Line item TO BE DELETED include: Utilities to security trailer; Misc site furnishings; Misc. protection of existing structures, utilities, and features; Misc. concrete restoration; Misc anchoring hardware.*

---

By signing the line below, I am acknowledging that all pages of the addenda has been received reviewed and understood, and will be incorporated into the bid price submitted. This document must be attached to the proposal for consideration.

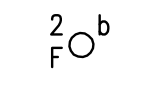
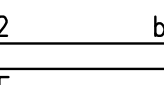

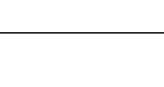


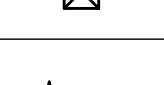


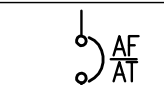

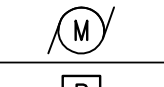

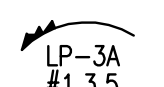
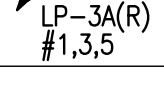
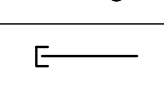
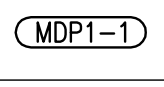
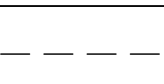




\_\_\_\_\_  
Print Name


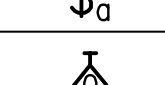

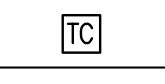


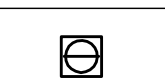

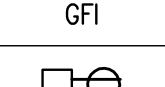

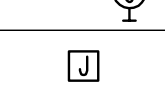
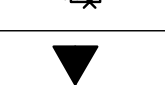

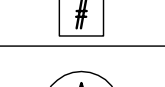








\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Number of pages received: \_\_\_\_\_ <fill in>

Distributed to: All present and all prospective Proposers

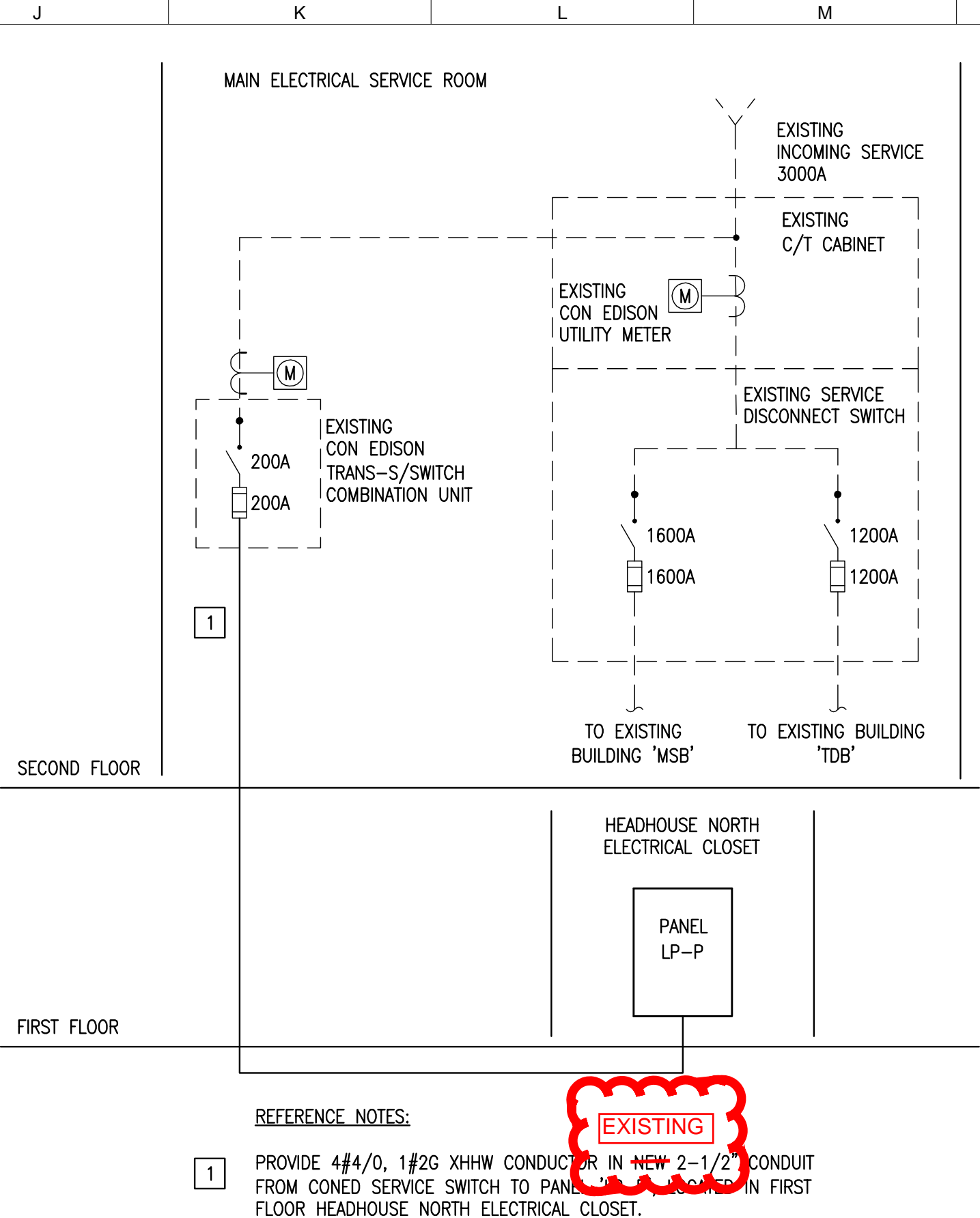
LIGHTING	
SYMBOL	DESCRIPTION
	OUTLET BOX AND COMPACT FLUORESCENT LIGHTING FIXTURE. - 'F' DENOTES FIXTURE TYPE - '2' DENOTES CIRCUIT NUMBER - 'b' DENOTES SWITCH CONTROL
	OUTLET BOX AND FLUORESCENT LIGHTING FIXTURE. - 'F' DENOTES FIXTURE TYPE - '2' DENOTES CIRCUIT NUMBER - 'b' DENOTES SWITCH CONTROL
	LINEAR FLUORESCENT LIGHTING FIXTURE WITH EMERGENCY BATTERY.
	COMPACT FLUORESCENT LIGHTING FIXTURE WITH EMERGENCY BATTERY.
	CEILING/WALL OUTLET BOX AND EXIT LIGHT, LED TYPE, SELF-CONTAINED, WITH BATTERY PACK, ARROWS AS INDICATED - SHADED AREA DENOTES LIT FACE(S) - ARROW INDICATES DIRECTION
NOTE: SEE LIGHT FIXTURE SCHEDULE AND SPECIFICATIONS FOR COMPLETE FIXTURE DESCRIPTION.	
POWER	
SYMBOL	DESCRIPTION
	COMBINATION MOTOR DISCONNECT/CONTROLLER NUMERAL DENOTES NEMA SIZE: 'A' DENOTES SWITCH/CIRCUIT BREAKER RATING 'B' DENOTES FUSE SIZE/TRIP RATING
	MOTOR CONTROLLER NUMERAL DENOTES NEMA SIZE:
	FUSED DISCONNECT SWITCH - 'A' DENOTES SWITCH SIZE - 'B' DENOTES FUSE SIZE IF INDICATED - '1' DENOTES NEMA TYPE
	UNFUSED DISCONNECT SWITCH RATING SAME OR HIGHER THAN UPSTREAM BRANCH CIRCUIT PROTECTIVE DEVICE
	SWITCH AND FUSE UNIT
	CIRCUIT BREAKER IN NEMA 1 ENCLOSURE: - 'A' DENOTES FRAME - 'B' DENOTES TRIP SETTING
	MOLDED CASE CIRCUIT BREAKER - 'A' DENOTES FRAME SIZE - 'AT' DENOTES TRIP SIZE
	DIGITAL MULTIFUNCTION kWh METER AND CURRENT/POTENTIAL TRANSFORMER
	AMMETER
	VOLTMETER
	MOTOR
	RELAY - NUMERAL DENOTES NUMBER OF POLES
	SURFACE TYPE PANELBOARD
	FLUSH TYPE PANELBOARD
	LIGHTING CONTROL CABINET
	HOMERUN TO PANELBOARD "LP-3A", NUMERALS DENOTE CIRCUIT NUMBERS. DESIGNATION DENOTES CIRCUIT NUMBERS 3#12 + 1#10N-3/4"EMT, U.O.N.
	HOMERUN TO PANELBOARD "LP-3A", VIA LOW VOLTAGE CONTROLLED RELAY
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT WITH END BUSH
	PULLBOX/JUNCTION BOX
	FEEDER NUMBER. SEE FEEDER SCHEDULE
	EXISTING CONDUIT TO BE REMOVED
	EXISTING WIRING INCLUDING CONDUIT, TO REMAIN
	NEW CONDUIT INSTALLED

WIRING DEVICES	
SYMBOL	DESCRIPTION
	SWITCH WITH THERMAL OVERLOAD PROTECTION USED AS DISCONNECTING MEANS FOR EQUIPMENT
	WALL MOUNTED SWITCH LIGHT 'b' DENOTES CONTROL ZONE
	WALL MOUNTED OCCUPANCY/VACANCY SENSOR BY HUBBELL CAT NO LHMTS1 PROVIDE MANUAL ON/AUTOMATIC OFF OPERATION
	CEILING MOUNTED OCCUPANCY SENSOR BY HUBBELL CAT NO OMNIDT2000, FURNISH AND INSTALL POWER PACKS AS REQUIRED -'b' DENOTES CONTROL ZONE
	DIGITAL ASTRONOMICAL TIMECLOCK
	WALL MOUNTED SIMPLEX RECEPTACLE, 20A,125V, 2P, 3W (GROUNDED) NEMA CONFIG. 5-20R
	WALL MOUNTED DUPLEX RECEPTACLE, 20A,125V, 2P, 3W (GROUNDED) NEMA CONFIG. 5-20R
	WALL MOUNTED DOUBLE DUPLEX RECEPTACLE 20A,125V,2P, 3W (GROUNDED) NEMA CONFIG. 5-20R
	WALL MOUNTED SPECIAL NEMA CONFIGURATION SIMPLEX OUTLET: 'X' INDICATES NEMA CONFIGURATION, ON PLANS
	FLOOR MOUNTED SIMPLEX RECEPTACLE, 20A,125V, 2P, 3W (GROUNDED) NEMA CONFIG. 5-20R
	FLOOR MOUNTED DUPLEX RECEPTACLE, 20A,125V, 2P, 3W (GROUNDED) NEMA CONFIG. 5-20R
	FLOOR MOUNTED DOUBLE DUPLEX RECEPTACLE 20A, 125V,2P, 3W (GROUNDED) NEMA CONFIG. 5-20R
	GROUND FAULT INTERRUPTOR
	DUPLEX RECEPTACLE MOUNTED IN SERVICE FITTING SECURED TO FLOOR BOX
	CEILING MOUNTED DUPLEX RECEPTACLE, 20A,125V, 2P, 3W (GROUNDED) NEMA CONFIG. 5-20R
	WALL MOUNTED DUPLEX RECEPTACLE AND SWITCH IN 2 GANG BOX
	CEILING/WALL MOUNTED JUNCTION BOX
	EXISTING JUNCTION BOX MOUNTED UNDER FDR DRIVE TO REMAIN
	EXISTING JUNCTION BOX MOUNTED UNDER FDR DRIVE TO BE REMOVED
	TELEPHONE OUTLET
MISCELLANEOUS	
SYMBOL	DESCRIPTION
	REFERENCE NOTE
	DETAIL REFERENCE: DETAIL DESIGNATION AND SHEET NUMBER REFERENCE

ABBREVIATIONS	
SYMBOL	DESCRIPTION
A, AMP	AMPERE
BFG	BELOW FINISHED GRADE
C, CDT	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
ELEC	ELECTRICAL
EM	EMERGENCY
ETR	EXISTING TO REMAIN
EX	EXISTING
G, GRD	GROUND
GFI	GROUND FAULT INTERRUPTER
HP	HORSE POWER
JB,J	JUNCTION BOX
KW	KILO WATT
LTG	LIGHTING
LV	LOW VOLTAGE
N	NEUTRAL
NO, #	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
P	POLES
PB	PULL BOX
PH, Ø	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PWR	POWER
RM	ROOM
SW	SWITCH
TC	TIME CLOCK
TYP	TYPICAL
UG	UNDERGROUND
V	VOLT
W	WATT
WP	WEATHERPROOF

ELECTRICAL NOTES

- ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE - 2011 NYC ELECTRICAL CODE EDITION, AND APPLICABLE LOCAL CODES AND REGULATIONS.
- DRAWINGS ARE DIAGMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND SPACE CONDITIONS AT ALL TIMES.
- ALL MATERIALS USED TO SUPPORT OR CONNECT NEW ELECTRICAL CONDUITS, JUNCTION BOXES, LUMINARIES, ETC, INCLUDING STRUCTURAL STEEL PLATES AND SHAPES, ANCHOR BOLTS, U-BOLTS, NUTS, AND WASHERS SHALL BE HOT DIPPED GALVANIZED U.O.N.
- FURNISH EXPANSION FITTINGS, 0-2 GEDNEY TYPE EX OR APPROVED EQUAL, WHERE CONDUIT CROSSES EXPANSION JOINTS.
- ALL EMPTY POWER AND TEL/DATA CONDUITS SHALL HAVE A NYLON DRAG ROPE INSTALLED. THE COST OF THIS WORK TO BE INCLUDED IN THE PRICE BID FOR CONDUIT ITEMS.
- PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT.
- WHERE FLEXIBLE CONDUIT IS REQUIRED ON STRUCTURES THE MINIMUM LENGTH SHALL BE 2'-6". SIZE OF THE FLEXIBLE CONDUIT SHALL MATCH SIZE OF RIGID CONDUIT TO WHICH IT IS CONNECTED, UNLESS OTHERWISE SHOWN.
- ALL PANELS, SWITCHES, AND WIRING TROUGHS SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS TO ACCOMMODATE CONDUCTORS SHOWN.
- ALL OUTDOOR DEVICES AND EQUIPMENT CONNECTED TO THE ELECTRICAL SYSTEM MUST BE UL RATED FOR OUTDOOR INSTALLATION.
- REFER TO ARCHITECTURAL LIGHTING PLANS FOR QUANTITY OF LIGHTING FIXTURES, MOUNTING DETAILS, AND AREA SCOPE OF WORK.
- REFER TO LIGHTING SUBMITTALS FOR THE LIGHTING FIXTURE SPECIFICATIONS FOR FIXTURE TYPES AP1, AP2, AND AR1.
- ALL WIRING WILL BE INSTALLED IN CONDUIT. ALL WIRE WILL BE INSULATED COPPER, WITH AN INSULATION VOLTAGE RATING OF 600 VOLTS. PROVIDE XHHW INSULATED CONDUCTORS FOR FEEDER/OUTDOOR, IN-SLAB AND IN-GROUND WIRING, AND THHN/THWN FOR BRANCH WIRING. SIZE CONDUCTORS TO LIMIT THE VOLTAGE DROP TO LESS THAN 2.5% AT FINAL DISTRIBUTION POINT AND LESS THAN 5% AT FARTHEST LOAD END.
- RACEWAYS WILL BE PVC COATED RIGID GALVANIZED STEEL CONDUIT (RGS) FULL WEIGHT CONDUIT, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE, THREADED, MINIMUM 3/4" INCH FOR ALL WORK UNLESS OTHERWISE NOTED.
- ALL FITTINGS WILL BE FULLY THREADED OR COMPRESSION TYPE. ALL FITTINGS SHALL BE THE SAME MATERIAL AS CONDUITS. PROVIDE WATERTIGHT COUPLINGS AND CONNECTIONS FOR INSTALLATIONS IN CONCRETE AND OUTDOORS. LOCKNUTS WILL BE BONDING TYPE. BUSHINGS WILL BE METALLIC INSULATING TYPE. FITTINGS WILL BE CORROSION RESISTANT. SEALING FITTINGS WILL BE THREADED CAST IRON CONTINUOUS DRAIN TYPE.



REFERENCE NOTES:  
1 PROVIDE 4#4/0, 1#26 XHHW CONDUCTOR IN NEW 2-1/2" CONDUIT FROM CONED SERVICE SWITCH TO PANEL IN FIRST FLOOR HEADHOUSE NORTH ELECTRICAL CLOSET.

1 ELECTRICAL SINGLE LINE DIAGRAM  
NTS

ELECTRICAL PANEL SCHEDULE									
PANEL: LP-P				VOLTAGE: 120 /208					
FED FROM: SERVICE DISCONNECT				3 PHASE, 4 WIRE					
LOCATION: SECOND FLOOR ELECTRICAL ROOM									
BUS AMPS = 225				MIN AIC		22000 AMPS			
X	M.C.B.		200	X	100% RATED NEUTRAL BUS				
-				-					
X	SURFACE MOUNT			X	EQUIPMENT GROUND BUS				
-				-					
#	POLE	TRIP	LOAD DESCRIPTION		LOAD DESCRIPTION	TRIP	POLE	#	
*1	1	20	Pier Lighting		Pier Lighting	20	1	2*	
*3	1	20	Pier Lighting		Pier Lighting	20	1	4*	
*5	1	20	Pier Lighting		Pier Lighting	20	1	6*	
*7	1	20	Pier Lighting		Plaza Lighting	20	1	8*	
*9	1	20	Pier Lighting		Plaza Lighting	20	1	10*	
*11	1	20	Spare		Plaza Lighting	20	1	12*	
*13	1	20	Spare		Spare	20	1	14*	
*15	1	20	Spare		Spare	20	1	16*	
*17	1	20	Spare		Spare	20	1	18*	
19	1	20	Spare		Plaza Receptacle	50	3	20	
21	1	20	Spare		Spare	20	1	22	
23	1	20	Spare		Plaza Receptacle	50	2	24	
25	3	50	Plaza Receptacle		Plaza Receptacle	50	3	26	
27	2	50	Plaza Receptacle		Plaza Receptacle	50	2	28	
29	-	-	-		-	-	-	30	
SQUARE D POWERLINK PANEL									
* - INDICATES CONTROLLABLE CIRCUIT BREAKER									

2 EXTERIOR LIGHTING PANEL SCHEDULE  
NTS

SK-RFI-2-001

0	02/28/13	CM	GLM	SM
Issue	Date	By	Chkd	Appd

ARUP

77 Water Street  
New York, NY 10005  
T +1-212-896-3000  
www.arup.com

ROGERS MARVEL ARCHITECTS, PLLC

145 HUDSON STREET THIRD FLOOR  
NEW YORK, NEW YORK 10013  
212 941-6716 212 941-7573 FAX

SiteWorks Landscape Architecture

150 W. 28th Street Suite 625  
New York, NY 10001  
212-255-8350

YU & Associates, Inc.

200 Riverfront Boulevard  
Elmwood Park, New Jersey 07407-1037  
T: (201) 791-0075 x108 F: (201) 791-4533  
www.yuassociates.com

NORTHERN DESIGNS LLC

IRRIGATION CONSULTANTS AND DESIGNERS  
2089 Hartford Turnpike  
North Haven, Connecticut 06473  
(203) 238-2710 FAX (203) 238-2715

Client



Battery Park City Authority  
1 World Financial Center  
24th Floor  
New York, NY 10281

Job Title

Pier A Plaza  
22 Battery Pl  
New York, NY 10004

Drawing Title

UTILITIES  
Electrical  
Lead Sheet

Scale NTS

File Name E-311.DWG

Drawing Status

100% CONSTRUCTION DOCUMENTS

Job No 213185-08

Drawing No E-311

Issue 0



SK-RFI-2-002

## NOTES

- ALL LIGHTING BRANCH CIRCUITS FED FROM PANEL LP-P.
- ALL CIRCUITS SHALL RUN IN PVC COATED RGS CONDUIT. ALL FITTINGS AND JUNCTION BOXES SHALL BE PVC COATED RGS. ALL EXTERIOR JUNCTION BOXES SHALL BE GASKETED WATERPROOF TYPE.
- LIGHT FIXTURE TYPE AR1 TO BE MOUNTED CONTINUOUSLY IN EXISTING HANDRAIL. PROVIDE FIXTURE LENGTH TO LENGTH OF HANDRAIL SEGMENTS. CONTRACTOR TO VERIFY FIELD CONDITIONS FOR EXACT FIXTURE LENGTHS.
- PROVIDE MINIMUM (1) LED DRIVER PER HANDRAIL SEGMENT FOR POWER TO TYPE AR1 FIXTURES. DRIVERS TO BE LOCATED PER 40 FEET OF TYPE AR1 FIXTURE LENGTH. CONTRACTOR TO CONFIRM EXACT LED DRIVER QUANTITIES FOR FIXTURE TYPE AR1.
- LOW VOLTAGE FEED FROM LED DRIVER TO LIGHT FIXTURE TYPE AR1 SHALL BE LIQUIDTIGHT CABLE WITH IP68 FITTING IN 1/2" PVC COATED RGS CONDUIT.
- ALL FIXTURES TO BE CONTROLLED VIA ASTRONOMICAL TIME SWITCH.
- ALL CONDUIT INSTALLED IN PLAZA AREA SHALL BE 18" BELOW FINISHED GRADE.
- ALL EXTERIOR LIGHTING BRANCH CIRCUITS SHALL BE FED USING #10-000C THHN WIRING IN 1" C.
- NEMA 44-50R RECEPTACLES 125/250V SHALL BE FED USING 3/4", 1#8 GND. IN 1" C.
- REFER TO EXTERIOR LIGHTING SPECIFICATION FOR FURTHER DETAILS AND REQUIREMENTS.
- REFER TO DETAILS 2 AND 3 ON DRAWING S-601 FOR LIGHT POLE MOUNTING DETAILS.
- REFER TO DRAWING E-311 FOR ELECTRICAL SYMBOL LEGEND, GENERAL NOTES, ELECTRICAL RISER DIAGRAM, AND "LP-P" PANEL SCHEDULE.
- REFER TO DRAWING E-312 ELECTRICAL ROOM FLOOR PLANS FOR ADDITIONAL INFORMATION ON ELECTRICAL EQUIPMENT LOCATIONS.

## REFERENCE NOTES

- PROVIDE AND INSTALL A 18"x18"x24" JUNCTION BOX FLUSH TO FINISHED GRADE. NEMA 4 CAST IRON BOX WITH NEOPRENE GASKET AND STAINLESS STEEL CHECKERED PLATE COVERS FOR FOOT TRAFFIC. PROVIDE WATERTIGHT AND CORROSION RESISTANT HUB FOR TERMINATING PVC COATED RGS CONDUIT TO ENCLOSURE. EXACT LOCATION OF JUNCTION BOX TO BE DETERMINED IN THE FIELD.
- PROVIDE AND INSTALL MARINE GRADE NEMA 44-50R RECEPTACLE IN HOFFMAN WATERSHED, NEMA 4X STAINLESS STEEL BOX WITH LOCK. REFER TO DETAIL 1 ON DRAWING E-601 FOR ADDITIONAL INFORMATION.
- PROVIDE AND INSTALL MARINE GRADE NEMA 44-50R RECEPTACLE IN NEMA 4X INGROUND ENCLOSURE. REFER TO DETAIL 2 ON DRAWING E-601 FOR ADDITIONAL INFORMATION.
- PROVIDE WEATHERPROOF JUNCTION BOX AT EVERY LED DRIVER LOCATION. COORDINATE LOCATION OF JUNCTION BOX AND LED DRIVER WITH LOCATION OF RAIL POSTS.
- PROVIDE THREADED WATERTIGHT CONNECTION TO LED DRIVER LOCATED WITHIN EXISTING HANDRAIL. REFER TO DETAIL 1 ON DRAWING E-611 FOR AR1 FIXTURE LED DRIVER AND SUPPORT DETAIL.
- TRENCH EXISTING CONCRETE SEAWALL AS REQUIRED TO EMBED 1" CONDUIT 4" BELOW GRADE.
- PROVIDE AND INSTALL 8"x8"x8" DISTRIBUTION BOX LEVEL WITH TOP OF PLANTER. NEMA 4 CAST IRON BOX WITH NEOPRENE GASKET. PROVIDE WATERTIGHT AND CORROSION RESISTANT HUB FOR TERMINATING PVC COATED RGS CONDUIT TO ENCLOSURE.
- PROVIDE AND INSTALL 8"x8"x8" DISTRIBUTION BOX FLUSH TO FINISHED GRADE. NEMA 4 CAST IRON BOX WITH NEOPRENE GASKET AND STAINLESS STEEL CHECKERED PLATE COVER FOR FOOT TRAFFIC. PROVIDE WATERTIGHT AND CORROSION RESISTANT HUB FOR TERMINATING PVC COATED RGS CONDUIT TO ENCLOSURE. EXACT LOCATION TO BE DETERMINED IN THE FIELD.

0	02/28/13	SF	GLM	SM
Issue	Date	By	Chkd	Appd

ARUP

77 Water Street  
New York, NY 10005  
T +1-212-896-3000  
www.arup.com

## ROGERS MARVEL ARCHITECTS, PLLC

145 HUDSON STREET THIRD FLOOR  
NEW YORK, NEW YORK 10013  
212 941-6716 212 941-7573 FAX

## SiteWorks Landscape Architecture

150 W. 28th Street Suite 625  
New York, NY 10001  
212-255-8350

## YU &amp; Associates, Inc.

200 Riverfront Boulevard  
Elmwood Park, New Jersey 07407-1037  
T: (201) 791-0075 x108 F: (201) 791-4533  
www.yuassociates.com

## NORTHERN DESIGNS LLC

IRRIGATION CONSULTANTS AND DESIGNERS  
2089 Hartford Turnpike  
North Haven, Connecticut 06473  
(203) 238-2710 FAX (203) 238-2715

## Client



Battery Park City Authority  
1 World Financial Center  
24th Floor  
New York, NY 10281

## Job Title

Pier A Plaza  
22 Battery Pl  
New York, NY 10004

## Drawing Title

UTILITIES

Electrical Plan

Scale 1" = 20'-0"

File Name E-313.DWG

Drawing Status

100% CONSTRUCTION DOCUMENTS

Job No 213185-08

Drawing No E-313

Issue 0



## **EXHIBIT F**

### **Schedule of Values Form**

**BID PRICING INSTRUCTIONS:** Provide bid amounts as indicated, in the spaces provided below. The undersigned bidder ("Bidder") proposes to furnish all labor, materials, tools, supplies, equipment, services, insurance, overhead and profit and to pay all applicable taxes and to perform all Work as provided in the Contract Documents for the complete performance of the above referenced Contract ("Contract").

<i>Item</i>	<i>Unit</i>	<i>Unit Price</i>
<b><u>Demolition</u></b>		
Mobilization	MO	
Engineer's field office	MO	
Maintenance and protection of traffic	MO	
Removal/salvage of historical material	CY	
Temporary tree protection	MO	
Paint removal and surface preparation	SF	
Rodent extermination	MO	
Concrete ramp	SF	
Unclassified Excavation	CY	
Sawcut paving	LF	
Asphalt paving	SF	
Granite curb	LF	
Drainage structure 4'-3" dia	EA	
Water taxi signs	EA	
Concrete foundation 4'-3" x 4'-3"	EA	
Existing security trailer	SF	
Wood framed structure - Milkshake Co.	SF	
Wood framed structure - Waterway Tours	SF	
Wood framed structure - Photos	SF	
8' high plywood fence	LF	
8' high chain-link fence	LF	
Concrete foundation adjacent to bulkhead	LF	
<b><u>Erosion Control</u></b>		
Catch basin sediment trap and inlet protection	EA	
Silt fence	LF	
Stabilized construction entrance	EA	
<b><u>Site Preparation/ Excavation</u></b>		
Chain-link construction fence	LF	
Chain closure to pier entrance	LF	
Double gate chain-link construction fence	PR	

Grade and compact subgrade for new paving areas	SF	
Excavate site to subgrade for new paver areas (+/- 8")	CY	
Disposal of excess graded soil	CY	
Excavate & backfill at planter walls	CY	
Excavate & dispose of soil in planters	CY	
Provide & install 6" gravel base under new pavers	CY	
Utilities to security trailer (Allowance)	LS	
Misc. site furnishings (Allowance)	LS	
Misc. protection of existing structures, utilities and features (Allowance only)	LS	
<b><u>Concrete</u></b>		
Concrete planter wall with integral light pole base	CY	
Flagpole foundation	CY	
Concrete ramp	CY	
6" reinforced concrete base slab under new pavers	SF	
Reinforced concrete base for Light poles	EA	
Misc. concrete restoration (Allowance)	LS	
<b><u>Stone</u></b>		
3" granite top at planter walls	SF	
2" granite face of planter walls	SF	
Stainless steel skateboard deterrent	EA	
Granite curb 6" x 13.5" including concrete base	LF	
Misc. anchoring hardware (Allowance)	LF	
<b><u>Pavers</u></b>		
3" thick asphalt hex tile paver with 2" mortar bed	SF	
Granite paving with 2" mortar bed (between planter areas)	SF	
Red granite inlay paving with 2" mortar bed	SF	
White granite inlay paving with 2" mortar bed	SF	
Incised stone bike path symbol	EA	
Roughened Red granite inlay	SF	
Extra for sandblasting text 1/8" thick in white granite	EA	
Stainless steel edging in plater walls	LF	
Expansion joint filler, backer rod & sealant (at perimeter of property)	LF	
Reset existing inlet grate	EA	
<b><u>Landscaping</u></b>		
Geotextile fabric under tree pits and planters	SF	
Structural planting soil mix in planters	CY	
Trees - Burr Oak (10'-12' high)	EA	
Trees - Willow Oak (15'-20' high)	EA	
Cedar stakes AY - 8'-0" long x 3" dia	EA	
Shrubs - HQ - Oakleaf Hydrangea - Hydrangea Quercifolia 'Alice'	EA	

Shrubs - IVjd - Winterberry - Ilex verticillata 'Jim Dandy'	EA	
Shrubs - IV - Winterberry - Ilex verticillata 'Red Spite'	EA	
Shrubs - IS - Sweetspire - Itea virginica	EA	
Perennials - Grouping A	SF	
Perennials - Grouping B	SF	
Grasses - Grouping A	SF	
Grasses - Grouping B	SF	
Mulch 2" thick	SF	
<b><u>Irrigation</u></b>		
1" PVC Class 200 Lateral Line	LF	
1.25" PVC Class 200 Lateral Line	LF	
4" Irrigation Sleeve (Sch. 40)	LF	
Tree Irrigation	EA	
Drip Irrigation	SF	
Flow sensors	EA	
Flush Valve	EA	
Automatic Valve	EA	
Misc. testing	LS	
<b><u>Signage &amp; Striping</u></b>		
Fence mounted "Dog Free Zone" sign 11" dia	EA	
Historic interpretive plaque "A" 30" x 13"	EA	
Historic interpretive plaque "B" 40" x 13"	EA	
Free standing WPAA "SS" information sign 1'-4" x 5'-0"	EA	
Yield to Peds sign	EA	
Yield markings on road	EA	
Detectible warning surface 2'-0" W in ramps	LF	
Pavement Markings	SF	
<b><u>Site Drainage &amp; Utilities</u></b>		
Catch Basin - 12" x 24"	EA	
Adjust Rim of Manholes	EA	
Replace grate - 12" x 12"	EA	
Replace grate - 24" x 24"	EA	
Replace grate - 12" dia	EA	
Replace grate - 24" dia	EA	
12" Clay Pipe	LF	
15" Clay Pipe	LF	
12" DIP Pipe	LF	
Excavation and backfilling	CY	
Water line ¾" dia copper	LF	
Water line 1" dia copper	LF	

Water line 1¼" dia copper	LF	
Water line 1½" dia copper	LF	
¾" gate valve	EA	
1" gate valve	EA	
1¼" gate valve	EA	
1½" gate valve	EA	
Ground hydrant	EA	
Dry well	EA	
Excavation	CY	
Backfill w/ selected broken stone	CY	
Backfill w/ excavated material	CY	
Cart away	CY	
<b><u>Site Furnishings</u></b>		
Trash receptacle - galvanized steel	EA	
Wave bike rack - painted steel with concrete foundation	EA	
Promenade wood slat bench (without back)	LF	
Promenade wood slat table	SF	
Plaza bench (2-sided)	LF	
Reinstall existing historical flagpole base	EA	
New flagpoles 20'-0" H	EA	
<b><u>Attic Storage</u></b>		
AP1 Lamps	EA	
AP2 Light Poles w/ Lamps	LF	
Type AR1 Rail light w/ Ballast	LF	
Catch basin cover 12"x24"	EA	
Catch basin cover 24"x24"	EA	
PVC Perforated pipe 4" dia.	LF	
<b><u>Electrical</u></b>		
Power Equipment & Distribution Feeders:		
225A Panel (120/208V, 3P, 4W)	EA	
Existing Sw. - LP-P (3#4/0, #4G In Existing Conduit):		
#4/0 THHN	LF	
#4 THHN	LF	
Light Fixtures & Branch Wiring:		
AP1	EA	
AP2	EA	
AR1 w/ All Drivers, Accessories & Connections	LF	
Photocell	EA	
WP Pull Box	EA	
Handhole	EA	



1" PVC Coated RGS	LF	
#10 THHN	LF	
Wiring Devices & Branch Wiring:		
50A GFI Duplex Receptacle	EA	
NEMA-4X J-Box	EA	
WP Pull Box	EA	
1" PVC Coated RGS	LF	
#6 THHN	LF	
#8 THHN	LF	
Mechanical Equipment Connections & Branch Wiring:		
Total Mechanical Equipment Connections	EA	
120V Power For Irrigation Controller (3#12, #12G 3/4" PVC Coated RGS):		
3/4" PVC Coated RGS	LF	
#12 THHN	LF	