



CERTIFICATE OF ACCEPTANCE

Given to

MAKATI DEVELOPMENT CORPORATION
(General Contractor)

for partially completing Contract Works of "East Gallery Place" for

Fire Pump, Jockey Pump and Controller

in accordance with the plans, specifications and other terms and conditions of the Contract.

Given this **22ND of February 2024** at Bonifacio Global City, Taguig.

This certificate does not relieve the General Contractor from the responsibility pertaining to the Warranty of the completed items of works on the project as stipulated in the General Conditions of Contract.

Recommended by:


Aniceto S. Guiyab Jr
Project Director
MDC-CMG ALP

Ferdinand Reyes
Area Head
MDC-CMG ALP

Noted by:

Paulo L. Anareta
TG-Associate Director
APMC

Michael F. Magpusao
Chief Operating Officer
APMC

Accepted by:

Jericho Montenegro
Project Development Manager Head
ALI-ALP

Angela Yulo
Project Development Manager Head
ALI-ALP

Cherryl N. Uy
Residential Building PD
ALI-ALP

PROPERTY: AYALA LAND PREMIER

PROJECT/SYSTEM: EAST GALLERY PLACE/ FIRE PUMP, JOCKEY PUM AND CONTROLLER

CONTRACTOR: GRUNDOS

SYSTEM CERTIFICATE OF ACCEPTANCE CHECKLIST

COA REQUIRED SUBMITTALS		REQUIREMENT	MDC	APMC	REMARKS						
<div style="float: right;"> <table border="1"> <tr> <td>✓</td> <td>complete and in order</td> </tr> <tr> <td>X</td> <td>none or not acceptable</td> </tr> <tr> <td>N/A</td> <td>not applicable</td> </tr> </table> </div>						✓	complete and in order	X	none or not acceptable	N/A	not applicable
✓	complete and in order										
X	none or not acceptable										
N/A	not applicable										
1	Certificate of Acceptance										
	Recommended by:										
	MDC COG - Project Manager	Signed									
	MDC CMG - Project Director	Signed									
	Noted by:										
	APMC TSG - T&C officer	Signed									
	APMC TSG - Engineering Director	Signed									
2	Room Keys	Refer to TSG's monitoring									
a	Keys turned over by MDC to TSG	Complete number of copies	N/A	N/A	Attach MDC Transmittal Sheet received by TSG						
b	Keys turned over by TSG to Operations	Complete Quantity	N/A	N/A	Attach TSG Transmittal Sheet received by Ops						
3	Turnover Documents	Refer to TSG's monitoring									
a	Functional Performance Test and Commissioning	Attach accomplished APMC T&C Forms/Documents	✓	✓							
b	Factory Test Results	Attach Factory Test Results (acceptable to MDC and TSG)	✓	✓							
c	Trainings & Seminars on Machine and Equipment	Attach attendance sheet, training documents, video of training	✓	✓							
d	Permits	Attach scanned copy of required permits for the system (refer to permits checklist)	✓	✓							
e	Calibration Certificates	Refer to TSG's monitoring									
	Water meters	Attach calibration certificates from authorized calibration company/entity	N/A	N/A							
	Power meters		N/A	N/A							
f	Warranty Certificate	Attach original certificate (3) copies	✓	✓							
g	OIM (Operation Instruction & Maintenance) Manual	Refer to TSG's monitoring	✓	✓							
	OIM turned over to by MDC to TSG	Complete number of copies (3)	✓	✓	Attach MDC Transmittal Sheet received by TSG						
	OIMs turned over by TSG to Operations	Complete number of copies (3)	✓	✓	Attach TSG Transmittal Sheet received by Ops						
h	Contact Information of Supplier	Attach org chart with contact details	✓	✓							
i	As-built Plans of the System	Refer to TSG's monitoring	N/A	N/A	INCLUDED IN FIRE PROTECTION SYSTEM						
	As-built plans turned over by MDC to TSG	Complete 3 copies Signed & sealed with 1 reproducible or electronic file	N/A	N/A	Attach MDC Transmittal Sheet received by TSG						
	As-built plans turned over by TSG to Ops	Complete 3 copies Signed & sealed with 1 reproducible or electronic file	N/A	N/A	Attach TSG Transmittal Sheet received by Ops						
4	Attic Stocks	Refer to TSG's monitoring	N/A	N/A							
a	Tiles (5%)		N/A								
	Sprinkler heads (per NFPA requirement: three (3) spare sprinkler heads of each type and temperature rating)	- Attach MDC Transmittal Sheet received by TSG - Attach TSG Transmittal Sheet received by Ops	N/A								
c	Special Architectural materials		N/A								
d	Genset skid/day tank 8 hr fuel provision		N/A								
5	Punchlist Forms	Attach Punchlist Forms (acceptable if 100% close out or only minor items are remaining)	✓	✓	SEE ATTACHED TEST DOCS TRANSMITTAL						
6	Notation	Attach Letter of Commitment to close out minor punchlist items	N/A	N/A							

Prepared by:

BRYAN DAVE AGUILAR

MDC

Reviewed by:

ADONES J. AUNZO

MDC

Checked by:

IVAN DAVE ASO

TSG

2-22-24



TRANSMITTAL

Date: July 25, 2023

ATTENTION : East Gallery Place APMC Operations

FROM : East Gallery Place APMC TSG

SUBJECT : Test Documents


We are transmitting the following:

3 sets of Test Documents:

1. Fire Pump and Jockey Pump System Test Documents.

.....NOTHING FOLLOWS.....

TRANSMITTED BY:


Engr. Ivan Dave Rajel N. Aso
Project Engr., APMC-TSG, ALP

RECEIVED BY:

 07/25/23
ENGR. HARLEY D. MILLAR
Engineering Manager

Signature over Printed Name



MDC-APMC-OIM-082

RECEIVING COPY

TRANSMITTAL FORM

From: MAKATI DEVELOPMENT CORPORATION

Address: ,32nd Street, cor 11th avenue Fort BGC Taguig City

To: APMC

Address:

Attention: Mr. Harvey Villar

Thru: Mr. Ivan Dave Aso

Project: East Gallery Place Vader 1

Subject: USB / Flashdrive

COMMENTS :

1. Transmitting herewith the following documents / items :

- | | | |
|--|---|----------------------------------|
| <input checked="" type="checkbox"/> Plans and Drawings | <input type="checkbox"/> Specifications | <input type="checkbox"/> Billing |
| <input type="checkbox"/> Letter of Award / Notice to Proceed | <input type="checkbox"/> Keys | <input type="checkbox"/> Others |
| <input type="checkbox"/> Contract Documents | <input checked="" type="checkbox"/> USB | |
| <input type="checkbox"/> Proposal | <input type="checkbox"/> Report | |
| <input type="checkbox"/> Remarks | | |


2. These are submitted as marked below :

- | | | |
|---|--|---|
| <input type="checkbox"/> For Evaluation | <input type="checkbox"/> For Processing | <input type="checkbox"/> For Necessary Action |
| <input type="checkbox"/> For Release of Payment | <input type="checkbox"/> As Reference | <input type="checkbox"/> For Correction |
| <input type="checkbox"/> As Requested | <input checked="" type="checkbox"/> For Handover | <input type="checkbox"/> For Verification |
| <input type="checkbox"/> For Immediate Implementation | <input type="checkbox"/> For Signature | <input type="checkbox"/> Others |

Quantity	Unit	Description
1	3 Folders	GRUNDFOS - Fire Pump / Control Panel / Jockey Pump / Control Panel Test Results Vol.2


3. Please return _____ sheets / copies _____ documents.

Transmitted by:


Signature above Printed Name
Date : July 25, 2023
Time : 9:10am

Received by

Date
Time

7-25-23

Signature above Printed Name





TRANSMITTAL

Date: May 15, 2023

ATTENTION : East Gallery Place APMC Operations

FROM : East Gallery Place APMC TSG

SUBJECT : Operations and Instructions Manual

We are transmitting the following:

Partially Accepted 3 sets of OIM:

1. Fire and Jockey Pump System Operations and Instructions Manual (With balance: Tests results, E-file/CD)

.....NOTHING FOLLOWS.....

TRANSMITTED BY:

RECEIVED BY:

Engr. Ivan Dave Rajel N. Aso
Project Engr., APMC-TSG, AIP

05-15-23
Signature over Printed Name

TRANSMITTAL FORM

 From: MAKATI DEVELOPMENT CORPORATION
 Address: 32nd Street, cor 11th avenue Fort BGC Taguig City

 To: APMC
 Address:

 Attention: Mr. Ivan Dave Aso
 Thru:
 Project: East Gallery Place Vader 1

 Subject: **Operation and instruction manuals & USB**

COMMENTS :

1. Transmitting herewith the following documents / items :

- | | | |
|--|--|----------------------------------|
| <input type="checkbox"/> Plans and Drawings | <input type="checkbox"/> Specifications | <input type="checkbox"/> Billing |
| <input type="checkbox"/> Letter of Award / Notice to Proceed | <input checked="" type="checkbox"/> Manual | <input type="checkbox"/> Others |
| <input type="checkbox"/> Contract Documents | <input checked="" type="checkbox"/> USB | |
| <input type="checkbox"/> Proposal | <input type="checkbox"/> Report | |
| <input type="checkbox"/> Remarks | | |

2. These are submitted as marked below :

- | | | |
|---|--|---|
| <input type="checkbox"/> For Evaluation | <input type="checkbox"/> For Processing | <input type="checkbox"/> For Necessary Action |
| <input type="checkbox"/> For Release of Payment | <input type="checkbox"/> As Reference | <input type="checkbox"/> For Correction |
| <input type="checkbox"/> As Requested | <input checked="" type="checkbox"/> For Handover | <input type="checkbox"/> For Verification |
| <input type="checkbox"/> For Immediate Implementation | <input type="checkbox"/> For Signature | <input type="checkbox"/> Others |

Quantity	Unit	Description
1	3 folders	ONE GRUNDFOS - Fire Pump / Control Panel / Jockey Pump/Control Panel
2	3 USB	Carrier - FCU and ACCU
3	3 USB	Mightylynx - Fiber Optic

3. Please return _____ sheets / copies _____ documents.

Transmitted by:



Signature above Printed Name

 Date : May 11, 2023
 Time : 7:47AM

Received by



Signature above Printed Name

 Date :
 Time :

5-15-23



MPW FORM No. 77-005-M
Cert. No. 0696 MC- 2021
Date Issued: July 2021

CERTIFICATE OF INSPECTION: MACHINERY

Name of Owner: **BG West Properties, Inc.**

Location: **Fort Bonifacio, Taguig City**

No. of Units: **25 Units**

Description: **Pumps**

Total H.P.: **917.97 KW**

Date Inspected: **May 04, 2021**

Expires on: **May 03, 2022**

Fee: **Php 15,616.30**

O.R. No. **A-5241397**

Date Issued: **July 09, 2021**

ENGR. RANDIE P. TANYAG
Mechanical Inspection Division

Cert. No. 0696 MC- 2021
Date Issued: July 2021

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL
TAGUIG, CITY
DISTRICT/CITY/MUNICIPALITY

CERTIFICATE OF OPERATION: MACHINERY

THIS CERTIFIES that on this 04th day of May, 2021 the machinery in the premises of **BG West Properties, Inc.- Project Vader 1, Fort Bonifacio, Taguig City**, has been thoroughly inspected and found to be in safe working condition.

The machinery inspected are the following:

3 Units Transfer Pumps / 3 Units Constant Pressure Pump / 3 Units Elevator Pit Pump / 4 Units Fire Pump / 2 Units Jockey Pump / 10 Units Sump Pump

This CERTIFICATE is granted to **BG West Properties, Inc.- Project Vader 1** to operate the aforementioned machinery for a period of one year from the date of inspection.

Total H.P.:	917.97 KW	No. of Units:	25 Units
Fee:	Php 15,616.30	O.R. No.:	A-5241397
Date:	July 09, 2021		



NOTED:

ENGR. MARCELO M. SERPA JUAN
Building Official

NOTE:

TO BE POSTED CONSPICUOUSLY AT A PLACE NEAR THE AFOREMENTIONED MACHINERY.
THIS CERTIFICATE SHALL BE RENEWED ON OR BEFORE ITS EXPIRATION DATE.



GRUNDFOS PUMPS (PHILIPPINES), INC.
Grundfos Bldg., 5548 Osmeña Ave.,
San Isidro Makati City
1234 Philippines

Telephone: + 63 2 465-3000
Admin Fax No.: + 63 2 813-1548
Sales Fax No.: + 63 2 812 1675

Website: www.grundfos.ph
Email Add: inquires-ph@grundfos.com

Warranty Certificate

This warranty certificate is awarded to **Makati Development Corp** with P.O No. **4800248479** for **(East Gallery Place-Vader I.) Project** located at 28th Street Cor. 11th Ave., Bonifacio Global City Taguig as per the items described below:

Pump Description:

Fire Pump:

Two Units-**"PEERLESS" (USA) Horizontal Split-Case, Centrifugal Fire Pump, UL Listed & FM Approved, Model 5AEF8**, capable to deliver 750 gpm at 231 ft (70.43 m) TDH, cast iron pump casing, bronze impeller with integral rings, bronze casing rings, grease lube bearings, bronze shaft sleeves, flexible coupling and coupling guard, Coupled to Wye-Delta Starts, ODP F1, 1.15 SF, "Marathon" Electric Motor, UL Listed, 75Hp, 380Volts, 3Phase, 60Hz, 3600rpm, clockwise rotation viewed from the driver end (motor to pump). Pump and Motor mounted on a common fabricated non-drip rim base.

Controller:

Fire Pump Controller

"Firetrol" (U.S.A.) Fire Pump Controller, Wye-Delta Start, Closed Transition, Model FTA1350-AM075F for 75Hp, 380Volts, 3Phase, 60Hz with voltage surge protector, main disconnect switch, circuit breaker, single handle isolating disconnect switch/circuit breaker mechanism, motor contactor, emergency manual run mechanism, minimum run timer, LED graphical display (power available, alarm, system pressure pump running, interlock on, fail to start, phase failure, overvoltage, undervoltage), digital pressure display, USB host controller & port, pressure transducer. All wired in NEMA Type 3R Enclosure.

Accessories:

- Pilot Operated Relief Valve
- Enclosed Over Flow Cone
- Casing Relief Valve
- Automatic Air Release Valve
- Suction & Discharge Gauge
- Venturi Flow Meter
- Hose Valve Head



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Jockey Pump:

One Unit- **Vertical-In-Line, Multi-Stage, Centrifugal Pump, Model CR 3-15 with stainless steel (AISI 304) impeller**, shaft and intermediate chamber, cast iron pump head and base, capable to deliver 20 gpm at 254 ft (77.44 m) TDH, coupled to 3Hp, 380Volts, 3Phase, 60Hz, 2Poles (3500- 3600Rpm) TEFC "Grundfos" vertical mounted motor.

Accessories:

- Pilot Operated Relief Valve
- Enclosed Type Overflow Cone
- Butt Weld, Flow Meter
- Discharge Pressure Gauge
- Automatic Air Release Valve

Jockey Pump Controller:

One Unit- **"Firetrol" (U.S.A.) Jockey Pump Controller (Across The Line)**, UL Listed, Model FTA550F-AG003F, for 3Hp, 380Volts, 3Phase, 60Hz with motor circuit protector, HOA selector switch, minimum run timer, on-delay timer, control circuit transformer, pressure transducer. All wired in NEMA Type 3R Enclosure.

Fire Pump Retail:

Two Units - **"PEERLESS" (USA) Horizontal Split-Case, Centrifugal Fire Pump, UL Listed & FM Approved, Model 4AEF10**, capable to deliver 500 gpm at 370 ft (112.77 m) TDH, cast iron pump casing, bronze impeller with integral rings, bronze casing rings, grease lube bearings, bronze shaft sleeves, flexible coupling and coupling guard, Coupled to Wye-Delta Starts, ODP F1, 1.15 SF, "Marathon" Electric Motor, UL Listed, 100Hp, 380Volts, 3Phase, 60Hz, 3600rpm, clockwise rotation viewed from the driver end (motor to pump). Pump and Motor mounted on a common fabricated non-drip rim base.



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Sales Fax No.: + 63 2 812 1675

Website: www.grundfos.ph
Email Add: inquires-ph@grundfos.com

Fire Pump Controller:

"Firetrol" (U.S.A.) Fire Pump Controller, Wye-Delta Start, Closed Transition, Model FTA1350-AM100 for 100Hp, 380Volts, 3Phase, 60Hz with voltage surge protector, main disconnect switch, circuit breaker, single handle isolating disconnect switch/circuit breaker mechanism, motor contactor, emergency manual run mechanism, minimum run timer, LED graphical display (power available, alarm, system pressure pump running, interlock on, fail to start, phase failure, overvoltage, undervoltage), digital pressure display, USB host controller & port, pressure transducer. All wired in NEMA Type 3R Enclosure.

Accessories:

- Pilot Operated Relief Valve
- Enclosed Over Flow Cone
- Casing Relief Valve
- Automatic Air Release Valve
- Suction & Discharge Gauge
- Venturi Flow Meter
- Hose Valve Head
- Angle Hose Valve with Cap-Chain



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Sales Fax No.: + 63 2 812 1675

Website: www.grundfos.ph
Email Add: inquires-ph@grundfos.com

Jockey Pump for Retail:

One Unit "GRUNDFOS" – Vertical-In-Line, Multi-Stage, Centrifugal Pump, Model CR 5-15 with stainless steel (AISI 304) impeller, shaft and intermediate chamber, cast iron pump head and base, capable to deliver 25 gpm at 393 ft (119.78 m) TDH, coupled to 5.5Hp, 380Volts, 3Phase, 60Hz, 2Poles (3500- 3600Rpm) TEFC "Grundfos" vertical mounted motor.

Jockey Pump Controller:

"Firetrol" (U.S.A.) Jockey Pump Controller (Across The Line), UL Listed, Model FTA550F-AG006F, for 5.5Hp, 380Volts, 3Phase, 60Hz with motor circuit protector, HOA selector switch, minimum run timer, on-delay timer, control circuit transformer, pressure transducer. All wired in NEMA Type 3R Enclosure.


Products manufactured by GRUNDFOS are warranted to the original user only to be free of defects in material and workmanship at the time of shipment for a period of 12 months.

Grundfos will not be liable for damage or wear to products caused by abnormal operating conditions, unauthorized alteration or repair, or the product is used for an application, which has not been recommended by Grundfos.

SUBSCRIBED AND SWORN TO BEFORE ME THIS **OCT 09 2023**
20 IN THE CITY OF MAKATI, AFFRANT EXHIBITING TO ME HIS/HER
WITH NO ISSUED ON

Certified by:

Grundfos Pumps Philippines, Inc.


Emerson D. Galamgam
CBS- Sales Manager,
CBS- Sales Manager

Doc. No. 385
Page No. 70
Book No. 15
Series of 20 24

ATTY. JOA. FERRER FLORES

Notary Public City of Makati
Until December 31, 2023(2023-2024)
Appointment No. M-115
ROLL NO. 77376

MCLE COMPLIANCE NO. 0001393, Jan. 03, 2023 Until Apr. 14, 2026
PTR No. 9563564 / Jan. 3, 2023 / Makati City
IBP No. 261994 / Jan. 03, 2023 Pasig City
1107 BATAAN ST. GUADALUPE NUEVO, MAKATI CITY

DATE: MAY 27 2023

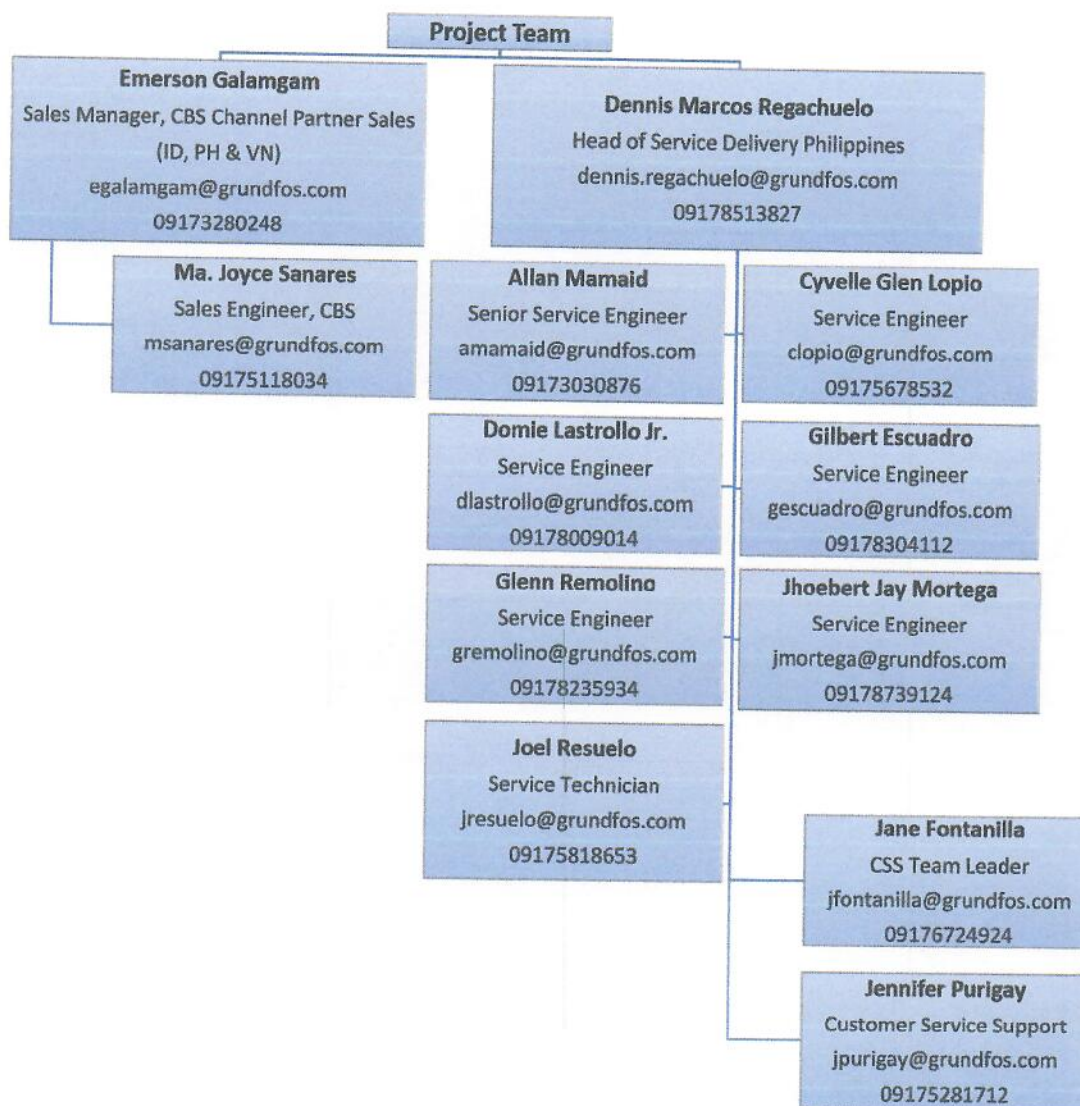
ATTENDANCE LIST

[illegible]

EAST GALLERY PLACE**GRUNDFOS PUMPS PHILIPPINES INC**

Grundfos Bldg. Km. 18 West Service Road,
Marcelo Green, Paranaque City,
Philippines 1700

Telephone: 632-84653000

Table of Organization

EAST GALLERY PLACE

Operation, Instruction and Maintenance Manual

List of Contact Persons:

Name	Position	Contact Number	E-Mail Address
Katherine Meneses	Service Coordinator	09177034379	kmeneses@grundfos.com
Jennifer Purigay	Service Coordinator	09175281712	jpurigay@grundfos.com
Jane Fontanilla	Service Coordinator	09176724924	jfontanilla@grundfos.com
Allan Mamaid	Service Engineer	09173030876	amamaid@grundfos.com
Joel Resuelo	Service Technician	09175818653	jresuelo@grundfos.com
Gilbert Escuadro	Service Engineer	09178304112	gescuadro@grundfos.com
Glenn Remolino	Service Engineer	09178235934	gremolino@grundfos.com
Domie Lastrollo Jr.	Service Engineer	09178009014	dlastrollo@grundfos.com
Cyvelle Glen Lopio	Service Engineer	09175678532	clopio@grundfos.com
Jhoebert Jay Mortega	Service Engineer	09178739124	jmortega@grundfos.com



MDC-APMC-OIM-081

RECEIVING COPY

TRANSMITTAL FORM

From: MAKATI DEVELOPMENT CORPORATION

Address: ,32nd Street,cor 11th avenue Fort BGC Taguig City

To: APMC

Address:

Attention: Mr. Harvey Villar

Thru: Mr.Ivan Dave Aso

Project:East Gallery Place Vader 1

Subject: USB / Flashdrive

COMMENTS :

1. Transmitting herewith the following documents / items :

- | | | |
|--|---|----------------------------------|
| <input checked="" type="checkbox"/> Plans and Drawings | <input type="checkbox"/> Specifications | <input type="checkbox"/> Billing |
| <input type="checkbox"/> Letter of Award / Notice to Proceed | <input type="checkbox"/> Keys | <input type="checkbox"/> Others |
| <input type="checkbox"/> Contract Documents | <input checked="" type="checkbox"/> USB | |
| <input type="checkbox"/> Proposal | <input type="checkbox"/> Report | |
| <input type="checkbox"/> Remarks | | |


2. These are submitted as marked below :

- | | | |
|---|--|---|
| <input type="checkbox"/> For Evaluation | <input type="checkbox"/> For Processing | <input type="checkbox"/> For Necessary Action |
| <input type="checkbox"/> For Release of Payment | <input type="checkbox"/> As Reference | <input type="checkbox"/> For Correction |
| <input type="checkbox"/> As Requested | <input checked="" type="checkbox"/> For Handover | <input type="checkbox"/> For Verification |
| <input type="checkbox"/> For Immediate Implementation | <input type="checkbox"/> For Signature | <input type="checkbox"/> Others |

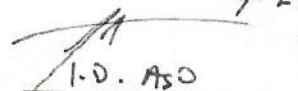
Quantity	Unit	Description
1	3 USB/ Flashdrive	GRUNDFOS - Fire Pump / Control Panel / Jockey Pump / Control Panel
2	3 USB/ Flashdrive	Konnect - Accelerometer System

3. Please return _____ sheets / copies _____ documents.

Transmitted by:


Signature above Printed Name
Date : July 24, 2023
Time : 8:20AM

Received by


Signature above Printed Name
Date :
Time :



TRANSMITTAL

Date: July 24, 2023

ATTENTION : East Gallery Place APMC Operations

FROM : East Gallery Place APMC TSG

SUBJECT : E-file


We are transmitting the following:

3 sets of E-file:

1. Fire Pump and Jockey Pump System E-file.

.....NOTHING FOLLOWS.....

TRANSMITTED BY:


Engr. Ivan Dave Rajel N. Aso
Project Engr., APMC-TSG, AIP

RECEIVED BY:

 07/24/23
ENGR. HARLEY D. MILLAR
Engineering Manager

Signature over Printed Name