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2021-02-09

**REQUEST FOR QUOTATION
 CARIBOU CAFÉ – WASHROOM UPGRADES
 TZC T 02-2021-01
 ADDENDUM #2**

This addendum shall be incorporated into, and form part of TZC T 02-2021-01 and take precedence over all requirements of the previously issued bid documents including plans. This addendum must be signed by the bidder (signing officer) in the appropriate space and must be attached to the Form for submission by the bidder. This Addendum consists of two (2) pages.

1. Submission Deadline:

Original Submission Deadline: **Friday, 2021-02-12 at 12:00 p.m. local time**
 Revised Submission Deadline: **Wednesday, 2021-02-17 at 12:00 p.m. local time**

2. DELETE DRAWINGS:

SHEET NUMBER	SHEET NAME	ISSUE DATE
A002	SCHEDULES	2021-01-25
M102	MECHANICAL DETAILS, LEGEND AND DRAWING LIST	2021-01-25
M203	AFRICAN PAVILION PLUMBING AND HVAC MODIFICATION	2021-01-25
E-2.0	ELECTRICAL PLAN BUILDING	2021-01-25
E-7.1	ELECTRICAL SINGLE LINE DIAGRAM	2021-01-25

REPLACE WITH DRAWINGS:

SHEET NUMBER	SHEET NAME	ISSUE DATE
A002	SCHEDULES	2021-02-02
M102	MECHANICAL DETAILS, LEGEND AND DRAWING LIST	2021-02-04
M203	AFRICAN PAVILION PLUMBING AND HVAC MODIFICATION	2021-02-04
E-2.0	ELECTRICAL PLAN BUILDING	2021-02-03
E-7.1	ELECTRICAL SINGLE LINE DIAGRAM	2021-02-03

Receipt of the Addendum shall be acknowledged as part of your submission.

The Board of Management of the Toronto Zoo reserves the right to reject any or all Tenders or to accept any quotation, should it deem such action to be in its interests.

If you have any queries regarding this matter, please contact Mr. Peter Vasilopoulos, Supervisor, Purchasing & Supply, at 416-392-5916 or by email pvasilopoulos@torontozoo.ca.

Yours truly,

Peter Vasilopoulos
Supervisor, Purchasing & Supply

I/we hereby acknowledge receipt of this addendum and make allowance in my bid.

Signed (Must be Signing Officer of Firm)

Name of Firm

Date:

ADDENDUM

Project Name:	Pavilion Washroom Renovation	Addendum #:	AD-01
Project Number:	1193059	Date:	February 5, 2021
Project Address:	200 Meadowvale Road Toronto, Ontario	Client:	Toronto Zoo

The following information supplements and/or supersedes the bid documents issued for Tender on January 25, 2021.

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. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form. Failure to do so may subject bidder to disqualification.

Subject: Various Modifications

Description of Addendum

1. The Corian finish has been revised from "Earth" to "Canyon".
2. Refer to attached mechanical drawings for additional information.
3. Refer to attached electrical drawings for additional information.
4. The contractor shall provide a separate price line item for the supply and install of a floor based urinals in lieu of the base contract wall based urinals.
5. No painting inspections from a third party are required.
6. All doors are to remain but repaired and refinished and all hardware shall be replaced.

Issued By



Mark Faulds
Lead Designer

CLIENT:



SUB-CONSULTANTS:



WASHROOM PARTITION SPECIFICATION	
MANUFACTURER:	BOBRICK
PRODUCT:	DURA LINE
MATERIAL:	SOLID PHENOLIC
COLOUR/FINISH:	CELLO 0811 FH. FINAL COLOUR TO BE DECIDED BY THE ZOO
HARDWARE:	INSTITUTIONAL
MOUNTING:	CEILING HUNG
DOORS:	GAP-FREE CONCEALED HINGES
THICKNESS:	19mm
OPTIONS:	OCCUPIED/UNOCCUPIED DOOR LOCK WITH UNLOCK FROM EXTERIOR (OCCUPANCY INDICATOR)

FINISH SCHEDULE									
TAG	DESCRIPTION	MANUFACTURER	PRODUCT NUMBER	FINISH/COLOUR	SIZE	SUPPLIER	PURCHASED BY	INSTALLED BY	NOTES
TL.01	FLOOR TILE	CENTURA	54YP6R	SAW CUT NOCE	8"x48"	CENTURA	GC	GC	
TL.02	FLOOR TILE	OLYMPIA TILE	GM RS.TIB EYE	TIGER EYE	12"x12"	CENTURA	GC	GC	
TL.03	WALL TILE	CENTURA	25848	COLOR MARKET - MACARON	3"x9"	CENTURA	GC	GC	INSTALL IN STAGGERED PATTERN. 3" IS HORIZONTAL
TL.04	WALL TILE	CENTURA	5291	FES - VERDE - GLOSSY	5"x5"	CENTURA	GC	GC	
TL.05	SNAKE TILE	OLYMPIA TILE	MC MR SND 10.HEX	SAND MATTE	10"	OLYMPIA TILE	GC	GC	
TL.06	SNAKE TILE	OLYMPIA TILE	MC MR TPE 10.HEX	TAUPE MATTE	10"	OLYMPIA TILE	GC	GC	
TL.07	SNAKE TILE	OLYMPIA TILE	MC MR DRK 10.HEX	DARK MATTE	10"	OLYMPIA TILE	GC	GC	
PT.01	CEILING PAINT	SHERWIN WILLIAMS	SW 6727	HOUSEPLANT	N/A	SHERWIN WILLIAMS	GC	GC	PROVIDE 1 COAT PRIMER, 2 COATS FINISH
PT.02	DUCTWORK PAINT	SHERWIN WILLIAMS	SW 6727	HOUSEPLANT	N/A	SHERWIN WILLIAMS	GC	GC	PROVIDE 1 COAT PRIMER, 2 COATS FINISH
PT.03	DOOR PAINT TYPE 1	SHERWIN WILLIAMS	SW 6718	OVERT GREEN	N/A	SHERWIN WILLIAMS	GC	GC	PROVIDE 1 COAT PRIMER, 2 COATS FINISH
PT.04	DOOR PAINT TYPE 2	SHERWIN WILLIAMS	SW 6720	PARADISE	N/A	SHERWIN WILLIAMS	GC	GC	PROVIDE 1 COAT GREY PRIMER, 2 COATS FINISH
PT.05	SERVICE DOOR PAINT	SHERWIN WILLIAMS	SW 6720	PARADISE	N/A	SHERWIN WILLIAMS	GC	GC	PROVIDE 1 COAT PRIMER, 2 COATS FINISH

EQUIPMENT SCHEDULE										
TAG	QUANTITY	DESCRIPTION	MANUFACTURER	PRODUCT NUMBER	PRODUCT	DIMENSIONS	FINISH	PURCHASED BY	INSTALLED BY	NOTES
EQ.01	12	WATER CLOSET & BF WATER CLOSET			REFER TO MECHANICAL			GC	GC	PROVIDE BACK REST FOR ACCESSIBLE WATER CLOSETS. REFER TO MECHANICAL FOR ADDITIONAL INFORMATION.
EQ.02	5	URINAL			REFER TO MECHANICAL			GC	GC	REFER TO MECHANICAL FOR ADDITIONAL INFORMATION.
EQ.03	2	LAVATORY	SLOAN	N/A	AER-DEC/WALL MOUNT SINK	CUSTOM AS PER DRAWINGS	CORIAN - CANYON	OWNER	GC	INSTALL SUPPORTS, BRACKETS, UNDERCOUNTER SKIRT, ETC. SUPPLIED BY THE ZOO.
EQ.04	9	FAUCET	SLOAN	EFX200	BASYS SENSOR ACTIVATED FAUCET	N/A	CHROME FINISH	OWNER	GC	
EQ.04	9	DRYER	SLOAN	EHD-510A	HIGH SPEED HAND DRYER	N/A	CHROME FINISH	OWNER	GC	
EQ.04	9	SOAP DISPENSER	SLOAN	ES0400	TOUGH FREE SOAP DISPENSER	N/A	CHROME FINISH	OWNER	GC	
EQ.06	2	SIDE GRAB BAR	BOBRICK	B-5898	90 DEGREE GRAB BAR	762x762mm, 32mm DIA.	SATIN FINISH PEENED	GC	GC	
EQ.07	4	REAR GRAB BAR	BOBRICK	B-5806x24	STRAIGHT GRAB BAR	610mm LONG, 32mm DIA.	SATIN FINISH PEENED	GC	GC	
EQ.08	1	NAPKIN DISPENSER	BOBRICK	B-47069 25	SURFACE MOUNTED NAPKIN DISPENSER	725x370x180mm	STAINLESS STEEL	GC	GC	
EQ.09	12	SURFACE MOUNTED COAT HOOK	BOBRICK	B-635	KLUTCH DEVICE HOLDER	190x228x64mm	STAINLESS STEEL	GC	GC	
EQ.10	2	BF TOILET PAPER DISPENSER	BOBRICK	B-2890	SINGLE JUMBO ROLL TOILET TISSUE DISPENSER	N/A	STAINLESS STEEL	GC	GC	
EQ.11	10	TOILET PAPER DISPENSER	BOBRICK	B-2892	TWIN JUMBO ROLL TOILET TISSUE DISPENSER	N/A	STAINLESS STEEL	GC	GC	
EQ.12	2	CHANGE TABLE	KOALA CARE	KB110-SSWM	BABY CHANGE TABLE	892x508x102mm	STAINLESS STEEL	GC	GC	
EQ.13	2	KIDS PULL DOWN STEP	N/A	N/A	STEP N WASH	N/A	STAINLESS STEEL	OWNER	GC	RE-USE AND RE-INSTALL EXISTING
EQ.14	8	SHELVING	CORIAN	N/A	CORIAN SOLID SLAB	511mmX308mm	CORIAN - CANYON	GC	GC	
EQ.15	2	MIRROR	N/A	N/A	SOLID PIECE MIRROR	REFER TO DRAWINGS	MIRROR	GC	GC	WITH 4" WIDE WOOD BORDER

DO NOT SCALE OFF DRAWINGS. CONTRACTOR TO SITE VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT. DRAWINGS ARE THE PROPERTY OF THE ARCHITECT AND ARE NOT TO BE REPRODUCED AND DISTRIBUTED WITHOUT WRITTEN PERMISSION FROM ARCHITECT. DRAWINGS ARE NOT TO BE USED FOR ANY PURPOSE OTHER THAN THE LATEST ISSUE SHOWN BELOW.

NO.	DESCRIPTION	DATE
01	50% REVIEW	19/09/24
02	TENDER REVIEW	19/10/04
03	TENDER	19/10/29
04	TENDER	20/03/13
05	ADDENDUM #01	20/04/02
06	ADDENDUM #02	20/04/08
07	ADDENDUM #03	20/04/14
08	CLARIFICATION	20/04/21
09	TENDER REVIEW	21/01/08
10	TENDER	21/01/25
11	ADDENDUM #01	21/02/02

NOTE:

- CONTRACTOR TO BE AWARE THAT THE SINK ALONG WITH THE SKIRT IS PURCHASED BY THE ZOO AND TO BE INSTALLED BY CONTRACTOR.

DOOR HARDWARE SPECIFICATIONS:

INTERIOR DOORS (D02, D04):

DOORS: FLEMING "H SERIES DOOR" (16 GAUGE CONTINUOUS WELDED SEAMS)
 FRAMES: 16 GAUGE FRAME c/w PRE-DILLED AND COUNTERSUNK ATTACHMENT HOLES
 HINGES: PRE DOOR AND FRAME FOR 4-1/2" x 4-1/2" "HAGER NRP SS HEAVY DUTY BUTT HINGES (BB1199) OR "STANLEY HINGES (FBB 199-NRP 32D), THREE PER DOOR
 KICKPLATE: DON-JO J 301 S.S
 PUSH PLATE: DON-JO J 301 (S.S. PUSH PLATE)
 PULL HANDLE: FAUX TREE BRANCH
 ADO: HORTON 4100 SERIES c/w 6-1/4" DIAMETER PLATE. SURFACE MOUNTED AND WIRED
 ELECTRIC STRIKE: TBD

INTERIOR DOORS (D05):

DOORS: FLEMING "H SERIES DOOR" (16 GAUGE CONTINUOUS WELDED SEAMS)
 FRAMES: 16 GAUGE FRAME c/w PRE-DILLED AND COUNTERSUNK ATTACHMENT HOLES
 HINGES: PRE DOOR AND FRAME FOR 4-1/2" x 4-1/2" "HAGER NRP SS HEAVY DUTY BUTT HINGES (BB1199) OR "STANLEY HINGES (FBB 199-NRP 32D), THREE PER DOOR
 KICKPLATE: DON-JO J 301 S.S
 DOOR SWEEP: K.N.CROWDER #W-24S
 LEVER SET: 2-1/8" HOLE FOR 93 K SERIES H.D. STANLEY BEST "LEVER SET" WITH HOUSING FOR "BEST 7-PIN IC-CORE", #15 LEVER WITH "C" ROSE, 626 FINISH.

EXTERIOR DOORS (D01, D03):

DOORS: FLEMING "H SERIES DOOR" (16 GAUGE CONTINUOUS WELDED SEAMS)
 FRAMES: 16 GAUGE FRAME c/w PRE-DILLED AND COUNTERSUNK ATTACHMENT HOLES
 HINGES: PRE DOOR AND FRAME FOR 4-1/2" x 4-1/2" "HAGER NRP SS HEAVY DUTY BUTT HINGES (BB1199) OR "STANLEY HINGES (FBB 199-NRP 32D), THREE PER DOOR
 WEATHER STRIPPING: K.N.CROWDER #13
 THRESHOLD: K.N. CROWDER #CT-11
 DOOR SWEEP: K.N.CROWDER #W-24S
 VINYL CAPS: TOP OF DOOR RAIN CAP
 LOCKS: 2-3/4" BACKSET HOLE PRE DRILLED FOR STANLEY BEST SERIES LOCKS
 KICKPLATE: DON-JO J 301 S.S
 PUSH PLATE: DON-JO J 301 (S.S. PUSH PLATE)
 PULL HANDLE: FAUX TREE BRANCH
 ADO: HORTON 4100 SERIES c/w 6-1/4" DIAMETER PLATE. SURFACE MOUNTED AND WIRED
 DEADBOLT: TUBLAR DEADBOLT, BEST 83T 7S-STK-626, 1200mm HIGH ON CENTRE
 ELECTRIC STRIKE: TBD

DOOR SCHEDULE										COMMENTS
ROOM NAME	DOOR #	WIDTH	HEIGHT	THICKNESS	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	FIRE RATING	
MALE VESTIBULE	D01	915	2134	50	HM	PT	HM	PT	N/A	EXISTING DOOR AND FRAME TO BE REPAIRED AND REFINISHED
FEMALE VESTIBULE	D02	915	2134	50	HM	PT	HM	PT	N/A	EXISTING DOOR AND FRAME TO BE REPAIRED AND REFINISHED
MALE WASHROOM	D03	915	2134	50	HM	PT	HM	PT	N/A	EXISTING DOOR AND FRAME TO BE REPAIRED AND REFINISHED
FEMALE VESTIBULE	D04	915	2134	50	HM	PT	HM	PT	N/A	EXISTING DOOR AND FRAME TO BE REPAIRED AND REFINISHED
MALE WASHROOM	D05	622	2134	50	HM	PT	HM	PT	N/A	EXISTING DOOR AND FRAME TO BE REPAIRED AND REFINISHED

TORONTO ZOO
 361A OLD FINCH AVE
 TORONTO, ONTARIO, M1B 5K7
 WASHROOM UPGRADES - AFRICAN PAV.

SCHEDULES

Project number: 2019-06
 Date: 2021-02-02
 Drawn by: M FAULDS
 Checked by: J HORVATH

A002

Scale

EXISTING DEMOLITION KEY NOTES

- DEMOLISH LABORATORY C/O FAUCETS/ISOLATION VALVES/ALL ACCESSORIES/DEMOLISH SANITARY PIPE IN DRAIN DN TO MAIN CAP/MODIFY SERVICE (DC/D/CL/CE/NT) TO RECEIVE NEW FIXTURE.
- DEMOLISH EXISTING FLOOR DRAIN CLEAN OUT.
- DEMOLISH FLOOR/DALL MOUNTED URINAL/DATER CLOSET C/O ISOLATION VALVES/ALL ACCESSORIES/MODIFY SERVICES (DC/D/CL/CE/NT) TO RECEIVE NEW FIXTURE.
- DEMOLISH FLOOR MOUNTED DATER CLOSET (C-1/C-2/C-3) AS PER SCHEDULE IN SIMILAR LOCATION/RECONNECT SERVICES (DC/D/CL/CE/NT).
- PRO IDE ALL MOUNTED ATER CLOSET (C-2 C-4) AS PER SCHEDULE PRO IDE 1000 SAN. DRAIN DN TO 1000 NE SANITARY MAIN RECONNECT SER ICES (DC ENT).
- PRO IDE THERMOSTATIC MIXING VALVE (M-1) IN SAME LOCATION AS PER SCHEDULE/RECONNECT SERVICES (DC/D/CL/CE/NT) TEMPERED WATER.
- PRO IDE DC/D/CL/CE/NT INSULATION FROM BUILDING CONNECTION TO ALL SERVICES IN CLASSROOM/REMOVE/REPLACE ANY EXISTING DAMAGED INSULATION.
- PRO IDE 200 DOMESTIC WATER RE-CIRCULATION LINE CONNECT TO EXISTING DOMESTIC HOT WATER LINE.
- PRO IDE DC/D LINE C/O INSULATION.
- EXISTING INSULATION IS SUSPECT OF ASBESTOS. CONFIRM AND COMPLETE ABATEMENT PRIOR TO PLUMBING DEMOLITION BY OTHERS.
- PRO IDE FLOOR DRAIN C/O TRAP PRIMER/CLEAN OUT AND ALL ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM.
- PRO IDE NEW BURIED SANITARY LINES TO MATCH EXISTING DESIGN (SCHEDULE LOCATION/QUANTITY/ETC). COORDINATE SLAB/FLOOR REPAIR WITH ARCH DRAININGS.

EXISTING DEMOLITION KEY NOTES

- DEMOLISH SUPPLY/RETURN/TRANSFER DRILL.
- DEMOLISH ELECTRIC CEATER C/O DRILLING.
- DEMOLISH CEILING/UNDER MAKE-UP AIR UNIT C/O CONTROLS/COMBUSTION AIR INTAKE C/O FLUE CENT.
- DEMOLISH THERMOSTAT AT C/O C/O DRILLING.
- DEMOLISH INSULATED EXHAUST DUCT UP THROUGH ROOF.
- DEMOLISH EXHAUST FAN AT CEILING LEVEL.
- DEMOLISH FRESH AIR INTAKE DUCT C/O DAMPER/FRESH AIR LOUVER.
- EXISTING NATURAL GAS PIPE TO REMAIN.
- DEMOLISH EXHAUST DUCTWORK. COORDINATE DALL REPAIR WITH ARCH.

MODIFICATION KEY NOTES

- INSTALL OTHER SUPPLIED SINK AS PER SCHEDULE PRO IDE 500 SAN. DN TO 1000 (APPR.) EXISTING SANITARY MAIN RECONNECT SERVICES (DC ENT).
- PRO IDE ALL MOUNTED URINAL (UR-1) AS PER SCHEDULE PRO IDE 1000 SAN. DRAIN DN TO NE 1000 (APPR.) SANITARY MAIN RECONNECT SERVICES (DC ENT).
- PRO IDE FLOOR MOUNTED DATER CLOSET (C-1/C-2/C-3) AS PER SCHEDULE IN SIMILAR LOCATION/RECONNECT SERVICES (DC/D/CL/CE/NT).
- PRO IDE ALL MOUNTED ATER CLOSET (C-2 C-4) AS PER SCHEDULE PRO IDE 1000 SAN. DRAIN DN TO 1000 NE SANITARY MAIN RECONNECT SER ICES (DC ENT).
- PRO IDE THERMOSTATIC MIXING VALVE (M-1) IN SAME LOCATION AS PER SCHEDULE/RECONNECT SERVICES (DC/D/CL/CE/NT) TEMPERED WATER.
- PRO IDE DC/D/CL/CE/NT INSULATION FROM BUILDING CONNECTION TO ALL SERVICES IN CLASSROOM/REMOVE/REPLACE ANY EXISTING DAMAGED INSULATION.
- PRO IDE 200 DOMESTIC WATER RE-CIRCULATION LINE CONNECT TO EXISTING DOMESTIC HOT WATER LINE.
- PRO IDE DC/D LINE C/O INSULATION.
- EXISTING INSULATION IS SUSPECT OF ASBESTOS. CONFIRM AND COMPLETE ABATEMENT PRIOR TO PLUMBING DEMOLITION BY OTHERS.
- PRO IDE FLOOR DRAIN C/O TRAP PRIMER/CLEAN OUT AND ALL ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM.
- PRO IDE NEW BURIED SANITARY LINES TO MATCH EXISTING DESIGN (SCHEDULE LOCATION/QUANTITY/ETC). COORDINATE SLAB/FLOOR REPAIR WITH ARCH DRAININGS.

MODIFICATION KEY NOTES

- PRO IDE THERMOSTAT C/O DRILLING AT ACCESSIBLE LEVEL.
- PRO IDE 0200 EXHAUST DUCT UP THROUGH ROOF AND TRANSITION TO 0300. TERMINATE AT DOSE NECK AT MIN. 304/10FT. AWAY FROM ANY FRESH AIR INTAKE INCLUDING OPERABLE WINDOWS.
- PRO IDE BLOWER TYPE EXHAUST FAN AT C/O TO SLAB/MODIFY EXISTING EXHAUST DUCTWORK TO ALLOW FOR UNIT INSTALLATION. CONTRACTOR SHALL RELOCATE EXISTING FIRE ALARM IF REQUIRED/SITE VERIFY SPACE AVAILABILITY AND UNIT ORIENTATION PRIOR TO PURCHASE.
- MAKE-UP AIR UNIT/ EXHAUST FAN SHALL BE OPERATED BY SCHEDULE BASED (24 HOUR PROGRAMMABLE THERMOSTAT/ELECTRONIC 24 HOUR WEEKLY TIMER) C/O MANUAL OCCUPANCY OVERRIDE.
- PRO IDE CEILING/UNDER MAKE-UP AIR UNIT PER SCHEDULE AT 510MM FROM U/S OF SLAB C/O INSULATED FRESH AIR INTAKE DUCTWORK CEILING UP THROUGH ROOF. MODIFY RE-CONNECT EXISTING SUPPLY DUCTWORK TO SUIT NEW INSTALLATION. CONTRACTOR SHALL COORDINATE DOOR FRAME DEMOLITION WITH ARCH AND SITE VERIFY SPACE AVAILABILITY PRIOR TO PURCHASE.
- PRO IDE SCENT AIR SYSTEM PER SCHEDULE/OPERATED BY SCHEDULE BASED. COORDINATE FRAGRANCE TYPE/UNIT COLOR/LOCATION WITH ARCH PRIOR TO PURCHASE.
- PRO IDE SUPPLY /RETURN DRILL. MODIFY EXISTING DUCTWORK TO SUIT NEW DRILL INSTALLATION/COORDINATE DALL/CEILING REPAIR WITH ARCH DRAININGS.
- PRO IDE NATURAL GAS PIPING C/O SUPPORT TO CSA B14 STANDARD.
- PRO IDE 150 DEEP DRAINABLE LOUVER (EXTRUDED ALUMINUM/164 SQ.M (1.6 SQ.FT) FREE AREA C/O BIRD SCREEN/INSECT SCREEN/BACKDRAFT DAMPER/SIMILAR TO CENTEX 2430/2435 OR EQUIVALENT/COORDINATE LOUVER SIZE (610/610/610) OR 500/500/500) WITH EXISTING OPENING. CONTRACTOR SHALL DEMOLISH/REPAIR DALL TO ACCOMMODATE NEW LOUVER INSTALLATION.
- CAP EXISTING EXHAUST AIR CONNECTION AT CEILING LEVEL.
- PRO IDE DOOR MOUNTED TRANSFER DRILL/COORDINATE INSTALLATION WITH ARCH DRAININGS.
- PRO IDE ELECTRIC CEATER PER SCHEDULE.
- PRO IDE NEW BELT AND PULLEY FOR EXISTING SIDE DALL MOUNTED EXHAUST FAN AS REQUIRED TO MEET AIRFLOW PER SCHEDULE.
- PRO IDE SIDE DALL MOUNTED EXHAUST FAN AT 1 FT FROM PFL C/O EXHAUST DUCTWORK. CONTRACTOR SHALL SITE VERIFY SPACE AVAILABILITY AND COORDINATE EXACT LOCATION OF DALL OPENING (31MMX31MM) WITH ARCH AND EXISTING SERVICES PRIOR TO PURCHASE.
- CONTRACTOR SHALL COORDINATE WITH ARCH TO PROVIDE MINIMUM 25MM DOOR UNDERCUT.
- MOUNT EXHAUST DRILL ON U/S OF NEW EXHAUST DUCTWORK.

CONTRACTOR SHALL REFERENCE "TENDER" COLUMN IN SCHEDULES TO IDENTIFY EQUIPMENT INCLUDED IN THIS TENDER

DOMESTIC HOT WATER TANK SCHEDULE

TAD	TENDER	MANUF.	MODEL	QUANTITY	DRY WEIGHT (KIL)	CAPACITY (LTS)	RECOVERY 100 F (LPH)	INPUT (KW)	ELECTRICAL (V / PH)	HEIGHT (MM/IN)	DIAMETER (MM/IN)	NOTES
HW-1	CANBOW SAFE	AG SHINE	07R9365	1	246	1340	100	120/1/60				1. NEW 2. EXISTING

MAKE UP AIR UNIT SCHEDULE

TAD	TENDER	MANUF.	MODEL	SUPPLY FAN AIR (L/S)	ESP (CPA)	RPM	AS CEATING INPUT (KW)	OUTPUT (L/S)	CEILING DIMENSION L X W X D (MM)	FILTER	ELECTRICAL SERVICE (V/PH)	MCA (AMPS)	NOTES
MU-1	CANBOW SAFE	ENCL	S125	170	0.13	1250	36.63	2013	107	1663X507X1215	MER		2017/1/60 115 115/1/60

EXHAUST FAN SCHEDULE

TAD	TENDER	MANUF.	MODEL	QTY	CEILING (MM)	CEILING DIA. (MM)	FAN PERFORMANCE MIN. FLOW (L/S)	ESP (CPA)	DIMENSION L X W X D (MM)	RPM	WATTS	CEILING (V / PH)	FLA (A)	NOTES
EF-1	CANBOW SAFE	ONARK	F20110025B	1	10	510	0.13	0.28	928X508X454	1250	240	115/1/60	5.0	1. NEW 2. EXISTING
EF-2	AFRICAN PACILION	GREEN CHECK	CDB-140-LM DC-CD	1	-	640	0.1	-	-	1105	115	-	-	2

SCENT AIR SYSTEM

TAD	TENDER	MANUF.	MODEL	QTY	CEILING (MM)	COVER (SQ.M)	DISPERSION	DIMENSION L X W X D (MM)	ELECTRICAL WATTS (V / PH)	NOTES	
SAS-1	ALL	AROMA360	DN/DC/360	1	6.6	15	CCAC (OR) STANDALONE	254X140X330	14	120/1/60	115/1/60

EXPANSION TANK SCHEDULE

TAD	TENDER	MANUF.	MODEL	SYSTEM	QTY	DRY WEIGHT (KIL)	TANK VOLUME (L)	ACCEPTANCE VOLUME (L)	DIMENSION ØD X (MM)	NOTES
EXP-1		BELL	ETA-5	DOMESTIC	1	16	10	10	Ø300 X 366	- DATER UNIT TO BE INSTALLED VERTICALLY
EXP-2	CANBOW SAFE	BELL	ETA-300	DOMESTIC	1	140	20	13	Ø300 X 412	- DATER UNIT TO BE INSTALLED VERTICALLY
EXP-3		BELL	ETA-120	DOMESTIC	1	44	66	42	Ø406 X 610	- DATER UNIT TO BE INSTALLED VERTICALLY

CEATER SCHEDULE

TAD	TENDER	TYPE	MANUFACTURER/ MODEL	CAPACITY (L)	DIMENSION Ø X X D (MM)	QTY	INSTALLATION	CEILING (V / PH)	CEILING (MM)	NOTES
FFD-1	AFRICAN PACILION	FAN FORCED CEATER	STELPRO/RDF200	2	220X435X100	2	DALL	2017/1/60	2.0	-115/1/60
UD-1	AFRICAN PACILION	UNIT CEATER	STELPRO/RUCSTCAR	5	332X300X305	2	CEILING	2017/1/60	0.0	-201/60
BBB-1	AFRICAN PACILION	BASE BOARD	STELPRO/B115	1.05	1030X500X5	1	DALL	2017/1/60	1.00	-115/1/60

DRAINING LIST SCHEDULE

D/NO.	TENDER	DESCRIPTION
M100	ALL	MECHANICAL SPECIFICATIONS
M101	ALL	MECHANICAL SPECIFICATIONS
M102	ALL	MECHANICAL DETAILS/LEGEND AND DRAINING LIST
M103	ALL	MECHANICAL DETAILS
M104	ALL	MECHANICAL DETAILS
M200	CANBOW SAFE	CANBOW SAFE PLUMBING/ET/AC DEMOLITION
M201	CANBOW SAFE	CANBOW SAFE PLUMBING/ET/AC MODIFICATION
M202	AFRICAN PACILION	AFRICAN PACILION PLUMBING/ET/AC DEMOLITION
M203	AFRICAN PACILION	AFRICAN PACILION PLUMBING/ET/AC MODIFICATION
M301	EDUCATION	EDUCATION PLUMBING/ET/AC DEMOLITION
M302	EDUCATION	EDUCATION PACILION PLUMBING/ET/AC MODIFICATION

PLUMBING FIXTURE SCHEDULE

TAD	TENDER	PRODUCTS	DESCRIPTION	ACCESSORIES
DC-1	ALL	TOILET	SLOAN FLUSHOMETER ASSEMBLY 1.6 GPM/6.8 L PER FLUSH/ELONGATED BOWL/SPICDN (ET FLUSH) ACTION.	SLOAN C16 ESSPOLISHED CHROME FINIS/EXPOSED FLUSHOMETER FOR TOP SPUD TOILET/SENSOR ACTIVATE/DRAIN/POWERED/MET/AC/OCERRIDE FLUSH/DALLE/PROVIDE DALL FLAN/C(SAME MATERIAL AS TCE CONNECTING PIPE DRAIN) C/O ALL FASTENERS/CAN/CERS/CASKETS C/O
DC-2	ALL	TOILET	SLOAN FLUSHOMETER ASSEMBLY 1.6 GPM/6.8 L PER FLUSH/ELONGATED BOWL/SPICDN (ET FLUSH) ACTION.	SLOAN C16 ESSPOLISHED CHROME FINIS/EXPOSED FLUSHOMETER FOR TOP SPUD TOILET/SENSOR ACTIVATE/DRAIN/POWERED/MET/AC/OCERRIDE FLUSH/DALLE/PROVIDE DALL FLAN/C(SAME MATERIAL AS TCE CONNECTING PIPE DRAIN) C/O ALL FASTENERS/CAN/CERS/CASKETS C/O
DC-3	ALL	TOILET	SLOAN FLUSHOMETER ASSEMBLY 1.6 GPM/6.8 L PER FLUSH/ELONGATED BOWL/SPICDN (ET FLUSH) ACTION. BARRIER FREE.	SLOAN C16 ESSPOLISHED CHROME FINIS/EXPOSED FLUSHOMETER FOR TOP SPUD TOILET/SENSOR ACTIVATE/DRAIN/POWERED/MET/AC/OCERRIDE FLUSH/DALLE/PROVIDE DALL FLAN/C(SAME MATERIAL AS TCE CONNECTING PIPE DRAIN) C/O ALL FASTENERS/CAN/CERS/CASKETS C/O EXTRA DUTY TOILET SEAT/SOLID PLASTIC C/O ANTIMICROBIAL SURFACE OPEN FRONT.
DC-4	ALL	TOILET	SLOAN FLUSHOMETER ASSEMBLY 1.6 GPM/6.8 L PER FLUSH/ELONGATED BOWL/SPICDN (ET FLUSH) ACTION. BARRIER FREE.	SLOAN C16 ESSPOLISHED CHROME FINIS/EXPOSED FLUSHOMETER FOR TOP SPUD TOILET/SENSOR ACTIVATE/DRAIN/POWERED/MET/AC/OCERRIDE FLUSH/DALLE/PROVIDE DALL FLAN/C(SAME MATERIAL AS TCE CONNECTING PIPE DRAIN) C/O ALL FASTENERS/CAN/CERS/CASKETS C/O COUPLERS. EXTRA DUTY TOILET SEAT/SOLID PLASTIC C/O ANTIMICROBIAL SURFACE OPEN FRONT.
TS-1	ALL	SINK	SLOAN AER-DEC DALL-MOUNTED SINK/BARRIER FREE. CONTRACTOR TO COORDINATE DIMENSION/COLOR/MATERIAL WITH ARCH DRAINING.	SLOAN CFX-200 SINGLE HANDLE POLISHED CHROME FINIS/FAUCET/DRAIN/POCERED/DECK MOUNTED/INFRA/RED/AERATED SPRAY TYPE/CP-TRAP/SINK SUPPORT BRACKETS.
UR-1	ALL	URINAL	SLOAN URINAL 1.0 GPM/3.8 L PER FLUSH/AS/DOCN FLUSHING.	SLOAN C16 ESSPOLISHED CHROME FINIS/EXPOSED FLUSHOMETER FOR TOP SPUD TOILET/SENSOR ACTIVATE/DRAIN/POWERED/MET/AC/OCERRIDE FLUSH/DALLE/PROVIDE DALL FLAN/C(SAME MATERIAL AS TCE CONNECTING PIPE DRAIN) C/O ALL FASTENERS/CAN/CERS/CASKETS C/O
MD-1	ALL	THERMOSTATIC MIXING VALVE	MODEL/VALVE/Ø1-1/8-Ø506/ET/AC/OCERRIDE/SCALL CONTROL TEMPERATURE FROM LO OF 0.5°C/PM/25/CM AT 10PSI DROP ACROSS T E A L E TEMP. RAN E 0 -120 F SET POINT OF 110 F 125PSI BRON E BODY STAINLESS STEEL SPRINGS/INTEGRAL CHECK VALVE ON HOT AND COLD INLETS.	STAINLESS STEEL CABINET C/O LOCK/DO/THERMOMETER/CUTOFF VALVES/FITTING FOR A FULLY FUNCTIONAL SYSTEM.

NOTES:
- CONTRACTOR SHALL COORDINATE WITH ARCH/DRAINING TO CONFIRM FLUSHOMETER COMPATIBILITY WITH PLUMBING FIXTURE PRIOR TO PURCHASE.

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	NEO DORK	(M)	DATER METER
---	EXISTING TO REMAIN		CLEANOUT
X X	EXISTING TO BE DEMOLISHED	○	CLEANOUT - UPRICT
---	FUTURE PCASE 2	○	DOSE BIBB
---	FLEX DUCT	(FE)	FIRE EXTINGUISHER
---	CONTROL WIRE	●	SPRINKLER - PENDANT (ANCD)
---	DOMESTIC COLD DATER	○	SPRINKLER - UPRICT EXPOSED
---	DOMESTIC HOT DATER	○	SPRINKLER - SIDE/CALL
---	DOMESTIC HOT DATER RETURN	(FHC)	FIRE DOSE CABINET
---	CHWS	---	FIRE DOSE CABINET - RECESSED
---	CHWR	---	FIRE DOSE CABINET - SURFACE MOUNTED
---	CD	---	TEMPERATURE GAUGE
---	F	---	2-DAY CONTROL VALVE - DDC
---	SAN	---	2-DAY CONTROL VALVE - PNEUMATIC
---	SAN --	---	AUTOMATIC AIR CENT
---	ST	---	MANUAL AIR CENT
---	ST --	---	RADIATOR
---	CENT	---	BASEBOARD CEATER
---	PIPE RISE	---	SUPPLY DUCT - UP
---	PIPE DROP	---	SUPPLY DUCT - DOCN
---	TEE DROP	---	RETURN DUCT - UP
---	PIPE BREAK	---	RETURN DUCT - DOCN
---	CAP	---	EXHAUST DUCT - UP
---	UNION	---	EXHAUST DUCT - DOCN
---	PUMP	---	THERMALLY LINED DUCT/DORK UNLESS INDICATED OTHERWISE
---	FLOOR ARRO	---	ACOUSTICALLY LINED DUCT/DORK
---	DATE VALVE	---	ACOUSTICALLY LINED DUCT/DORK (SINGLE LINE)
---	BALL VALVE	---	FLEX DUCT CONNECTION
---	THERMOSTAT	---	AIR FLO
---	UMIDISTAT	---	DUCT REDUCER
---	CARBON DIOXIDE SENSOR	---	BALANCING DAMPER
---	OCCUPANCY SENSOR	---	FIRE DAMPER
---	BALANCING VALVE	---	SMOKE DAMPER
---	CHECK VALVE	---	BACK DRAFT DAMPER
---	BACK DATER PREVENTION LABEL ASSEMBLY	---	DIFFUSER TAD
---	Y-STRAINER	---	X Y Z (REFER TO SPECIFICATIONS FOR MORE DETAIL)
---	GLOBE VALVE	---	Ø AIR FLO (L/S)
---	FLOOR DRAIN	---	Ø FLEX DUCT SIZE (MM)
---	P-TRAP	---	DETAIL CALLOUT X Y Z (REFER TO SPECIFICATIONS FOR MORE DETAIL)
		---	MOTORIZED DAMPER
		---	VARIABLE FREQUENCY DRIVE
		---	DIFFERENTIAL PRESSURE
		---	SUPPLY DIFFUSER

PLUMBING FIXTURE ROOM IN

TAD	C.O.	Ø.	T.O	ØASTE	ØENT	REMARKS
DC-1	2500	-	-	1000	400	
DC-2	2500	-	-	1000	400	
DC-3	2500	-	-	1000	400	
DC-4	2500	-	-	1000	400	
UR-1	1000	-	-	1000	400	
TS-1	-	-	1300	500	-	REFER LAYOUT FOR FAUCET AND DRAIN QUANTITY
FD-1	-	-	-	500	-	
MC-1	1000	1000	2500	-	-	

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HCC ENGINEERING
HCC ENGINEERING LIMITED



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NO.	DESCRIPTION	DATE
1	ISSUED FOR REVIEW (AFRICAN PV)	NOV. 08. 2019
2	ISSUED FOR TENDER (AFRICAN PV)	MAR. 12. 2020
3	ISSUED FOR ADDENDUM #1 (AFRICAN PV)	APR. 08. 2020
4	RE-ISSUED FOR TENDER (AFRICAN PV)	JAN. 25. 2021
5	RE-ISSUED FOR ADDENDUM #M1	FEB. 04. 2021

MECHANICAL DETAILS, LEGEND AND DRAWING LIST

Project number	18153
Date	05.03.2019
Drawn by	SV
Checked by	DN
Scale	-

M102

HCC ENGINEERING LIMITED

Design and Technology Services Group

40 Eglinton Avenue East

Suite 600

Toronto, Ontario

M4P 3A2

Tel: (416) 932-2423

Tender Addendum #E-01

Project: **WC Upgrades – African Pavilion
Toronto Zoo
361A Old Finch Ave
Toronto, Ontario**

HCC Engineering Project No.: **19240
BCIN# 28954**

Date: **February 1, 2021**

1. General

1. This tender addendum is an integral part of the Specifications and Drawings and shall form an integral part of the Contract Documents.

2. Drawings

1. Drawing No. E-2.0 (Reissued with Addendum)
2. Drawing No. E-7.1 (Reissued with Addendum)

End of Tender Addendum #E-01



SUB-CONSULTANTS:
telstorm
entrust: E
 ENGINEERING INC.
HCC ENGINEERING
 DESIGN AND TECHNOLOGY SERVICES GROUP
 HCC ENGINEERING LIMITED



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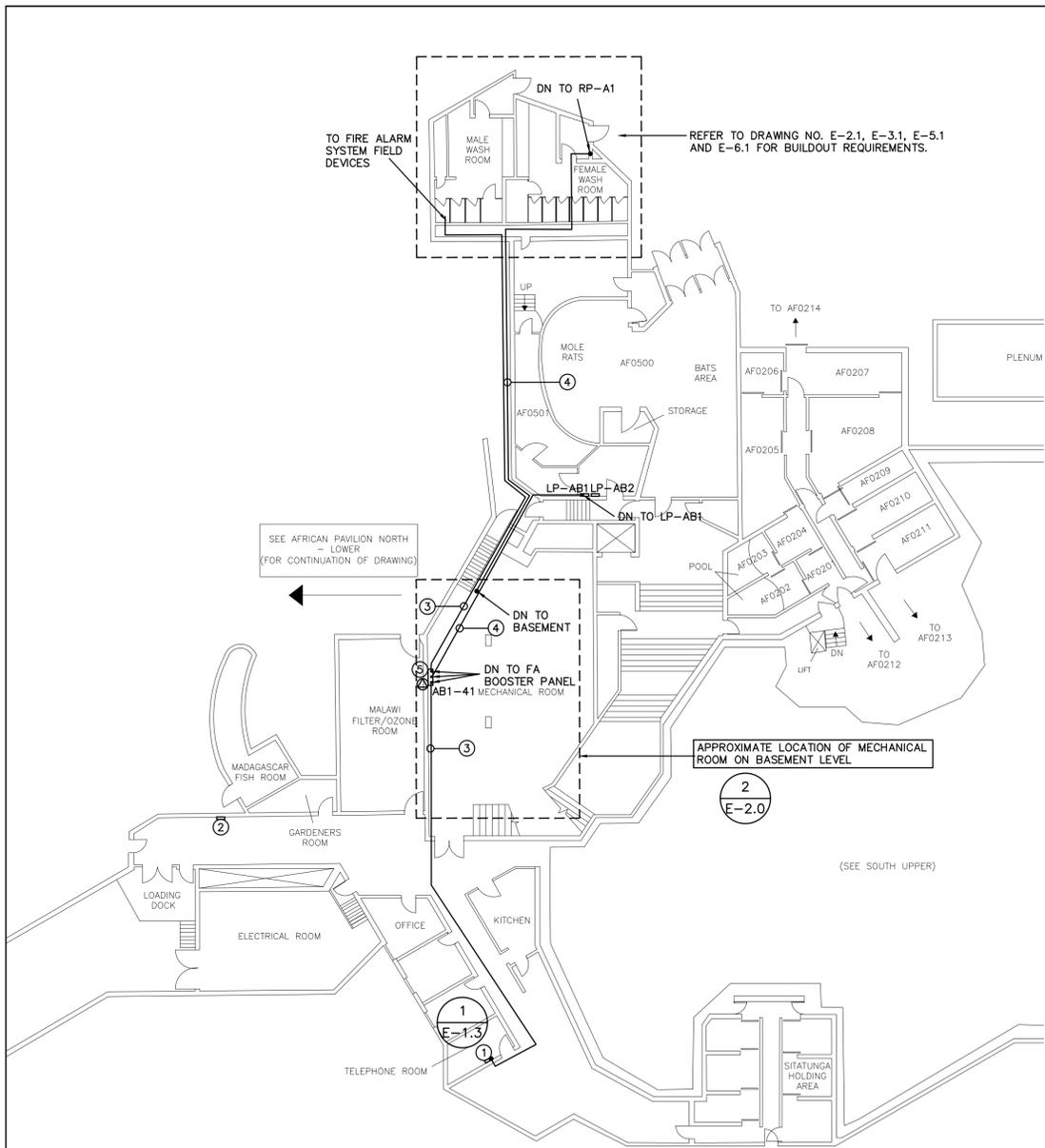
No.	Description	Date
1	ISSUED FOR CLIENT REVIEW	04OCT19
2	ISSUED FOR TENDER	03APR20
3	ISSUED FOR ADDENDUM E-01	08APR20
4	ISSUED FOR TENDER REVIEW	08JAN21
5	REISSUED FOR TENDER	25JAN21
6	ISSUED FOR ADDENDUM E-01	03FEB21

TORONTO ZOO
 361A OLD FINCH AVE
 TORONTO, ONTARIO, M1B 5K7
 WC UPGRADES - AFRICAN PAVILION

ELECTRICAL PLAN BUILDING

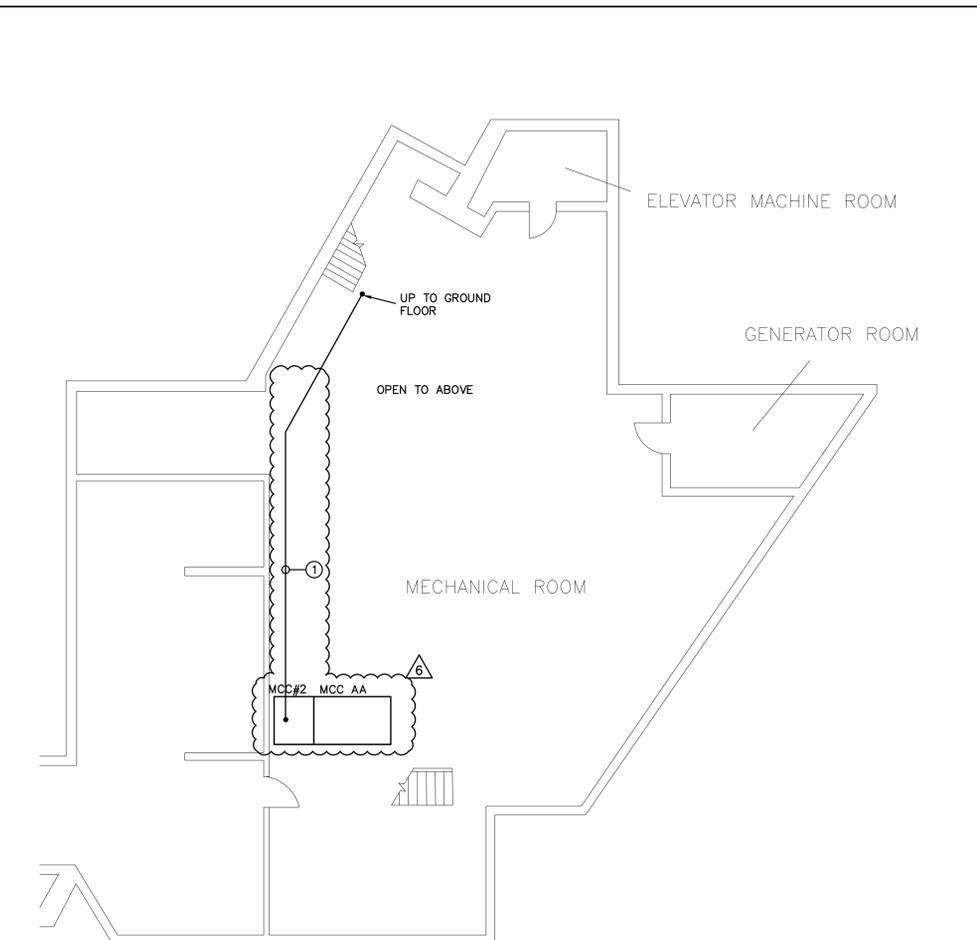
Project number 19240
 Date SEPTEMBER, 2019
 Drawn by KZ
 Checked by HDC

E-2.0
 Scale AS SHOWN



- (N-1) ROUTE ALL CONDUIT SYSTEMS, ETC AROUND EXISTING DUCT WORK, PIPING, ETC AND AROUND NEW PIPING, DUCT WORK, ETC AS REQUIRED TO ACCOMMODATE INSTALLATION.
- (N-2) CONDUIT ROUTINGS SHOWN ARE APPROXIMATE ONLY. EXACT ROUTING MUST BE CONFIRMED WITH LANDLORD AND WITH CONSULTANT PRIOR TO INSTALLATION.
- (N-3) REMOVE AND RELOCATE EXISTING FIRE ALARM SYSTEM DEVICES, LIGHT FIXTURES, EXIT SIGNS, PA SPEAKERS, ETC TO ACCOMMODATE CONDUIT ROUTINGS AND INSTALLATION. EXISTING FIRE ALARM SYSTEM DEVICES, LIGHT FIXTURES, EXIT SIGNS, ETC NOT SHOWN ON DRAWINGS.
- ① EXISTING FIRE ALARM SYSTEM CONTROL PANEL
- ② EXISTING FIRE ALARM SYSTEM ANNUNCIATOR PANEL
- ③ APPROXIMATE ROUTING OF FIRE ALARM CIRCUITS. REFER TO DETAIL NO. 1 ON DRAWING NO. E-1.3 FOR ADDITIONAL REQUIREMENTS.
- ④ APPROXIMATE ROUTING OF FEEDERS / BRANCH CIRCUITS, ETC. REFER TO DRAWING NO. E-7.1 FOR ADDITIONAL REQUIREMENTS.
- ⑤ FIRE ALARM SYSTEM BOOSTER PANEL PROVIDED AS PART OF THIS SCOPE OF WORK.

1 ELECTRICAL PLAN - MAIN BUILDING GROUND FLOOR
 E-2.0 SCALE: 1:200



- (N-1) ROUTE ALL CONDUIT SYSTEMS, ETC AROUND EXISTING DUCT WORK, PIPING, ETC AND AROUND NEW PIPING, DUCT WORK, ETC AS REQUIRED TO ACCOMMODATE INSTALLATION.
- (N-2) CONDUIT ROUTINGS SHOWN ARE APPROXIMATE ONLY. EXACT ROUTING MUST BE CONFIRMED WITH LANDLORD AND WITH CONSULTANT PRIOR TO INSTALLATION.
- (N-3) REMOVE AND RELOCATE EXISTING FIRE ALARM SYSTEM DEVICES, LIGHT FIXTURES, EXIT SIGNS, PA SPEAKERS, ETC TO ACCOMMODATE CONDUIT ROUTINGS AND INSTALLATION. EXISTING FIRE ALARM SYSTEM DEVICES, LIGHT FIXTURES, EXIT SIGNS, ETC NOT SHOWN ON DRAWINGS.
- ① APPROXIMATE ROUTING OF FEEDERS / BRANCH CIRCUITS, ETC. REFER TO DRAWING NO. E-7.1 FOR ADDITIONAL REQUIREMENTS.

2 ELECTRICAL PLAN - BASEMENT MECHANICAL ROOM
 E-2.0 SCALE: 1:100

CLIENT:



SUB-CONSULTANTS:



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No.	Description	Date
1	ISSUED FOR CLIENT REVIEW	04OCT19
2	ISSUED FOR TENDER	03APR20
3	ISSUED FOR ADDENDUM E-02	15APR20
4	ISSUED FOR TENDER REVIEW	08JAN21
5	REISSUED FOR TENDER	25JAN21
6	ISSUED FOR ADDENDUM E-01	03FEB21

TORONTO ZOO
 361A OLD FINCH AVE
 TORONTO, ONTARIO, M1B 5K7
 WC UPGRADES - AFRICAN PAVILION

ELECTRICAL SINGLE LINE DIAGRAM

Project number	19240
Date	SEPTEMBER, 2019
Drawn by	KZ
Checked by	HDC

E-7.1

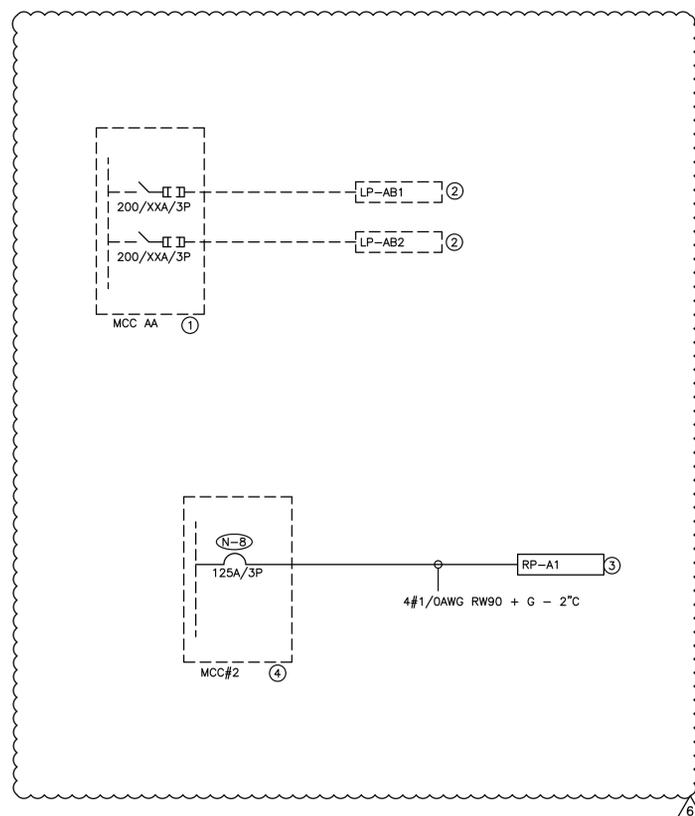
Scale NTS

- (N-1) RISER IS DIAGRAMMATIC ONLY. REFER TO FLOOR PLANS FOR DEVICE QUANTITY AND LOCATIONS.
- (N-2) PROVIDE FIRE RATED PLYWOOD BACKBOARDS FOR ALL ELECTRICAL DISTRIBUTION EQUIPMENT PROVIDED AS PART OF THIS CONTRACT AND FOR ALL PREPURCHASED / PREQUALIFIED DISTRIBUTION. PAINT BACKBOARDS WITH FIRE RETARDANT PAINT (COLOUR AS DIRECTED ON SITE BY PROJECT MANAGER). FIRE RATED STAMP MUST BE ON ALL PIECES PROVIDED AND MUST BE VISIBLE WHEN INSTALLED. DO NOT PAINT OVER STAMP.
- (N-3) ALL INDOOR DISTRIBUTION PROVIDED AS PART OF THIS SCOPE OF WORK MUST BE TYPE 2 ENCLOSURE, UNLESS SPECIFICALLY NOTED OTHERWISE. PROVIDE COMPRESSION FITTINGS FOR SERVICES ENTERING DISTRIBUTION.
- (N-4) PROVIDE DEDICATED CORE DRILLED WALL AND FLOOR PENETRATIONS ON EVERY FLOOR. EXACT LOCATION OF ALL CORE DRILLS TO BE DETERMINED BY X-RAY RESULTS. ALL X-RAYS MUST BE REVIEWED AND APPROVED BY LANDLORD PRIOR TO CORE DRILLING.
- (N-5) PROVIDE TEMPORARY POWER AND LIGHTING THROUGHOUT PROJECT TO ACCOMMODATE REQUIREMENTS OF ALL TRADES. REQUIREMENTS INCLUDE PROVIDING EXTENSION CORDS, EXTENSION LIGHTING AND EQUIPMENT REQUIRED FOR THE WORK OF ALL TRADES. ALL COSTS RELATED TO THIS WORK SHALL BE INCLUDED IN THE BASE BID PRICE.
- (N-6) ROUTE ALL CONDUIT SYSTEMS AROUND EXISTING DUCT WORK, BEAMS, NEW DUCT WORK AND PIPING AS REQUIRED TO ACCOMMODATE CONDUIT SYSTEM INSTALLATION. REFER TO MECHANICAL DRAWINGS AND DESIGNER DRAWINGS FOR ADDITIONAL DETAILS.
- (N-7) ALL BREAKERS REQUIRED TO COMPLETE ALL SCOPES OF WORK TO BE NEW. DO NOT REUSE EXISTING BREAKERS.
- (N-8) PROVIDE NEW CIRCUIT BREAKER BUCKET C/W BREAKER INDICATED. PROVIDE REPLACEMENT PARTS, DOOR, MOUNTING HARDWARE, CONN KITS, FILLER PLATES, PRE-FABBED MCC BUS LINKS, ETC., TO ACCOMMODATE INSTALLATION AND FOR MODIFYING EXISTING PANEL BUS. PROVIDE LUGS TO ACCOMMODATE WIRE SIZE INDICATED. PROVIDE THE SERVICE OF EATON'S FIELD SERVICES GROUP OR EQUIVALENT CSA APPROVED MANUFACTURER OF ELECTRICAL POWER DISTRIBUTION EQUIPMENT TO EXTEND, REWORK, MODIFY AND RECERTIFY EXISTING PANEL BUS AS REQUIRED TO FACILITATE INSTALLATION OF BREAKER BUCKET C/W BREAKER PROVIDED AS PART OF THIS SCOPE OF WORK. REFER TO DETAIL NO. 1 ON DRAWING E-7.1 FOR ADDITIONAL REQUIREMENTS.

- 1 EXISTING MOTOR CONTROL CENTER - 120/208V/3PH/4W/SIEMENS MODEL 8PG02 MOTOR CONTROL CENTRE/100KA RMS
- 2 EXISTING RECEPTACLE PANEL - 120/208V/3PH/4W/225A MAINS/42CCT/FEDERAL PACIFIC
- 3 RECEPTACLE PANEL - 120/208V/3PH/4W/125A MCB/COPPER BUS/84CCT 20"W/BASIS OF DESIGN SIEMENS P2 OR SCHNEIDER SQ D NQ/10KA RMS SERIES RATED/RECESSED TRIM FACTORY PAINTED CUSTOM COLOUR (MATCH TO PAINT CHIP TO BE PROVIDED BY INTERIOR ARCHITECT DURING CONSTRUCTION)
- 4 EXISTING MOTOR CONTROL CENTER - 120/208V/3PH/4W/EATON CUTLER-HAMMER MOTOR CONTROL CENTRE/65KA RMS

- DENOTES NEW PROVIDED BY ELECTRICAL CONTRACTOR
- DENOTES EXISTING TO REMAIN
- *-*-*-*-*- DENOTES EXISTING TO BE REMOVED BY ELECTRICAL CONTRACTOR

ELECTRICAL CONTRACTOR TO PREPARE A PRELIMINARY ZERO FEEDER LENGTH COORDINATION STUDY PRIOR TO ORDERING DISTRIBUTION. SUBMIT TO CONSULTANT FOR REVIEW AND APPROVAL.



- (N-1) PHOTO ILLUSTRATES EXISTING MOTOR CONTROL CENTER INSTALLATION AND IS INCLUDED FOR REFERENCE PURPOSES ONLY.
- (N-2) FIELD RETROFIT CIRCUIT BREAKER BUCKET C/W BREAKER PROVIDED AS PART OF THIS SCOPE OF WORK INTO EXISTING CUBICLE INDICATED. PROVIDE NEW DOOR, TYPE TO MATCH EXISTING.

1 EXISTING MOTOR CONTROL CENTER 'MCC#2' INSTLLATION PHOTO
 E-7.1 SCALE: NTS