

EXISTING PLUMBING FIXTURE EQUIPMENT LIST:

WC-1 KOHLER "KINGSTON" MODEL NO. K-4330, ELONGATED, WALL HUNG VITREOUS CHINA WATER CLOSET. ZURN MODEL NO. ZR6000XL-WS1 SENSOR OPERATED, BATTERY-POWERED FLUSH VALVE. CHURCH MODEL NO. 9500C WHITE OPEN FRONT TOILET SEAT WITH SELF-SUSTAINING CHECK HINGE. W/ JAY R. SMITH #M40 WIDE PIPE CHASE BRACKETS.

WC-2 SAME AS WC-1 EXCEPT RIM IS 17" AFF.

<u>WC-3</u> SAME AS WC-2 EXCEPT ZURN MODEL NO. Z-6000XL-WS1 FLUSH VALVE.

<u>U-1</u> KOHLER "BARDON SUPERIOR" MODEL NO. K-4960-ET WALL HUNG, VITREOUS CHINA URINAL. ZURN MODEL NO. ZR6003XL-WS1 SENSOR OPERATED, BATTERY-POWERED FLUSH VALVE.

<u>U-2</u> KOHLER "BARDON SUPERIOR" MODEL NO. K-4960-ET WALL HUNG, VITREOUS CHINA URINAL MOUNTED AT HANDICAPPED HEIGHT. ZURN MODEL NO. ZR6003XL-WS1 SENSOR OPERATED FLUSH VALVE.

PLUMBING NOTES:

PROVIDE FOLLOWING PARTS TO CONVERT THE BATTERY OPERATED EXISTING WATER CLOSET FLUSH VALVE INTO A HARD—WIRED FLUSH VALVE:

- PEMS6000-HYM-IS ACTUATOR WITH INTEGRAL SENSOR AND MANUAL PUSH-BUTTON OVERRIDE.

- P6000-ECX-WSI-CS TRIPLEY FILER DIAPHRAGM.
- P6000-HW6 HARD-WIRED POWER CONVERTER.

PRÔVIDÊ FOLLOWING PARTS TO CONVÊRT THE BATTERY OPERATED EXISTING URINAL FLUSH VALVE INTO A HARD-WIRED FLUSH VALVE:

- PEMS6000-HYM-IS ACTUATOR WITH INTEGRAL SENSOR AND MANUAL PUSH-BUTTON OVERRIDE.

- P6000-HW6 HARD-WIRED POWER CONVERTER.

PROVIDE ZURN #ZEMS6000AV-WSI-IS WATER CLOSET FLUSH VALVE AND
ZURN #ZEMS6003AV-WS1-IS URINAL FLUSH VALVE WHERE FLUSH VALVE SHALL BE REPLACED

(FIELD VERIFY).

PROVIDE (4) EXTRA REPLACEMENT PART SETS FOR WATER CLOSET FLUSH VALVE

AND (2) SETS FOR URINAL FLUSH VALVE FOR FUTURE OTC USED.

THE EXISTING PLUMBING WALL.

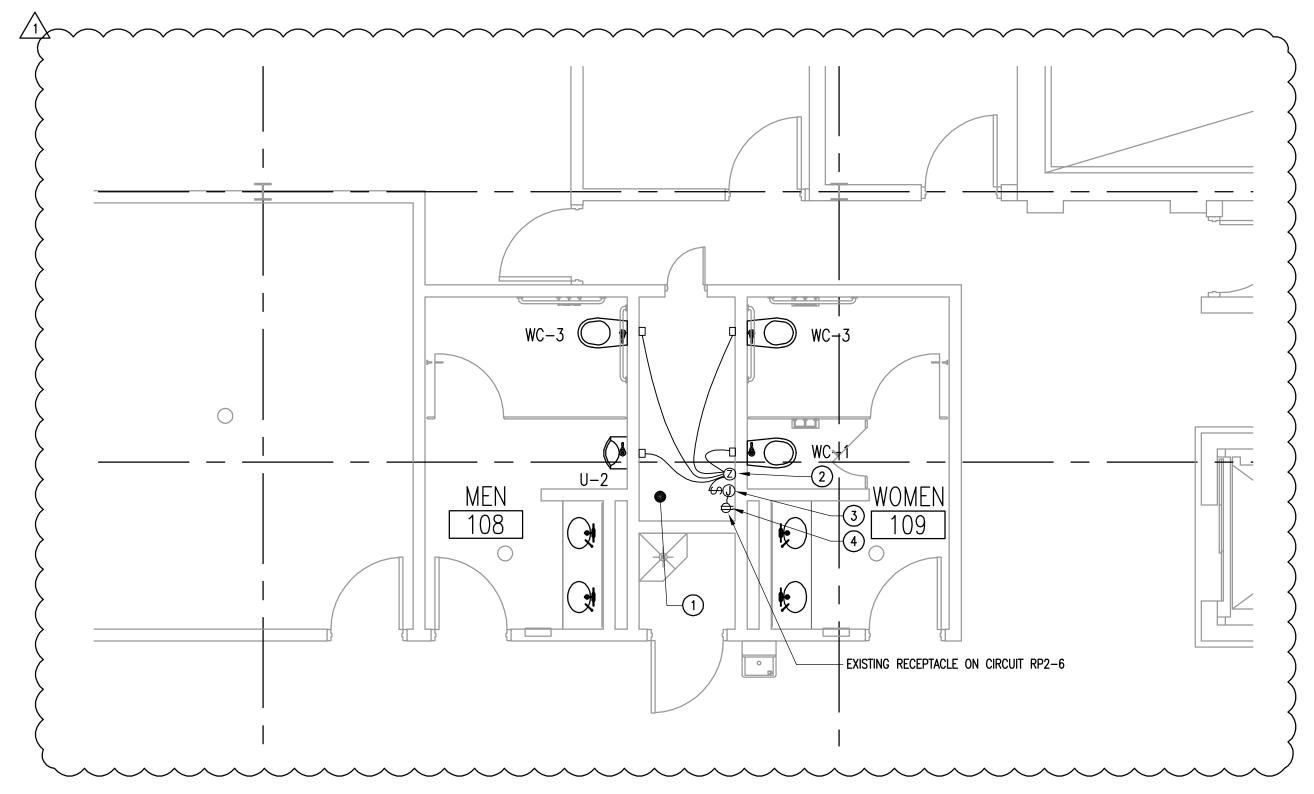
1. PROVIDE 120V POWER TO POWER NEW HARD-WIRED FLUSH

2. ZURN P6000-HW6 POWER CONVERTER PROVIDES 7.6VDC LOW VOLTAGE POWER FOR UP TO EIGHT FLUSH VALVES FROM 120 VOLT SOURCE. POWER CONVERTER IS FURNISHED BY GENERAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR, INCLUDING LOW VOLTAGE CABLES. GENERAL CONTRACTOR WILL PROVIDE PIPE THROUGH THE WALL FOR LOW VOLTAGE CABLES. EC SHALL PROVIDE BOX TO CONTAIN ALL LOW VOLTAGE SPLICES (TYPICAL).

3. PROVIDE 120V COVERED OUTLET BOX ON WALL ADJACENT TO ZURN POWER CONVERTER, BOX SHALL HAVE DISCONNECT SNAP SWITCH IN COVER. PROVIDE LABEL ON COVER READING "FLUSH VALVE POWER". (TYPICAL). EC SHALL MAKE HARD—WIRED CONNECTION BETWEEN OUTLET BOX AND ZURN POWER CONVERTER.

4. EXISTING RECEPTACLE CONNECTED TO CIRCUIT AS SHOWN. EC
SHALL EXTEND 120 VOLT CIRCUIT FROM EXISTING RECEPTACLE TO
NEW 120 VOLT SWITCHED OUTLET BOXES FOR ZURN POWER
CONVERTERS. PROVIDE A BOX EXTENSION ON EXISTING RECEPTACLE
BOX TO ACCOMMODATE CONNECTION TO EXISTING RECEPTACLE

5. EC SHALL FISH LOW VOLTAGE CABLES THROUGH THE PLUMBING
CHASE IN OPEN FASHION. EC SHALL PROVIDE A MASONRY TYPE
ELECTRICAL BOX IN EXISTING PLUMBING WALL TO ACCOMMODATE LOW
VOLTAGE SPLICES AND PASSAGE OF LOW VOLTAGE CABLES THROUGH



C EXISTING BASEMENT TOILET/SHOWER ROOM PLAN

E3.1 SCALE: 1/4" = 1'-0"

OHO STAL -1949

DATES AND REVISIONS

7/6/12 BID & PERMIT

Date/Description

7/31/12 ADDENDUM 5

TO TO THE REST OF THE PART OF

+ ASSOCIATES INC.

13000 Shaker Boulevard / Cleveland, Ohio 44120
Phone: (216) 491-9300 Fax: (216) 491-8053

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SERVICE PLAZA RENOVATIONS

Erie Islands and Commodore Perry
Milepost 100 - Sandusky County, Ohio

DRAWN BY: RA
CHECKED BY: JEM
RLB NO.: 6744.09
OTC NO.: 53-12-02

SERVICE PLAZA SP-4
DRAWING NO.

E3.1

SHT. 26 OF 27

ABBREVIATIONS 1PH SINGLE PHASE 3PH THREE PHASE AFF ABOVE FINISHED FLOOR AFG ABOVE FINAL GRADE AHJ AUTHORITY HAVING JURISDICTION AL ALUMINUM BFG BELOW FINAL GRADE BRKR CIRCUIT BREAKER CKT CIRCUIT EC ELECTRICAL CONTRACTOR EMT ELECTRICAL METALLIC TUBING ETR EXISTING TO REMAIN EWH ELECTRIC WATER HEATER EWC ELECTRIC WATER COOLER EXIST EXISTING FLR FLOOR FMC FLEXIBLE METAL CONDUIT GC GENERAL CONTRACTOR GND GROUND hgt height IAW IN ACCORDANCE WITH IG ISOLATED GROUND LL LANDLORD LCP LIGHTING CONTROL PANEL LT, LTS LIGHT, LIGHTS MC MECHANICAL CONTRACTOR MGT MOUNTED/MOUNTING NL NIGHT LIGHT OCP OVERCURRENT PROTECTION PNL PANEL/PANELBOARD POC POINT OF CONTACT REC RECEPTACLE REX REMOVE EXISTING DEVICE COMPLETE RGS RIGID GALVANIZED STEEL CONDUIT RR REMOVE AND RELOCATE SCHD SCHEDULE

UNO UNLESS NOTED OTHERWISE

WP WEATHERPROOF XFMR TRANSFORMER

SYMBOL	DESCRIPTION
R1-3	BRANCH CIRCUIT HOMERUN TO PANEL 'R1', CIRCUIT #3 (TYPICAL)
\square	DRY-TYPE TRANSFORMER, HANG FROM STRUCTURE
9	277/480V 3ø 4W ELECTRICAL PANEL
M	120/208V 3# 4W ELECTRICAL PANEL
ΦG	DUPLEX RECEPTACLE, NEMA 5-20, G INDICATES GFCI TYPE. MOUNT 18"AFF UNO
Ф	DUPLEX RECEPTACLE, NEMA 5-20. MOUNT 18"AFF UNO
#	QUADPLEX RECEPTACLE, NEMA 5-20.
\$ a	SWITCH, SINGLE POLE, 20A, 125/277V. SUBSCRIPT INDICATES SWITCHING SCHEME.
	DISCONNECT SWITCH, VOLTAGE AS REQUIRED, AMPACITY AS NOTED
0	J-BOX. CEILING OR WALL MTD. SIZE AND TYPE AS REQUIRED
▼	COMMUNICATION OUTLET. PROVIDE 3"X2"X2-1/8" BOX WITH IVORY COVER PLATE CONTAINING FOUR RJ-45 NON-KEYED OPENINGS. FIELD COORDINATE FINAL LOCATION OF COMMUNICATION BOXES. COMMUNICATION CABLES BY OTHERS. EC SHALL PROVIDE 1" EMT EMTPY CONDUIT SYSTEM FOR COMMUNICATIONS CABLES AS SHOWN AND NOTED ON PLANS. EMPTY CONDUIT SYSTEM SHALL TERMINATE AT EXISTING CABLE TRAY IN BASEMENT. PROVIDE PULL STRING IN ALL COMMUNICATION CONDUITS, ENTIRE LENGTH.

GENERAL ELECTRICAL NOTES:

APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.

1. ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, OR SHAFTS SHALL BE SEALED IN ACCORDANCE WITH SPECIFICATION SECTION 16050. CONDUITS ENTERING BUILDING FROM UNDERGROUND EXTERIOR SHALL HAVE "LINK SEAL" PRODUCTS, OR EQUAL, AS DIRECTED BY ARCHITECT. (EMPTY CONDUITS SHALL BE SEALED AND CAPPED). 2. CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL INTERIOR LIGHTING FIXTURES AND CEILING MOUNTED DEVICES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS,

ELEVATIONS, SECTIONS AND DETAILS. COORDINATE LOCATIONS OF RECEPTACLES AND OTHER WALL MOUNTED DEVICES WITH THE ARCHITECTURAL WALL ELEVATIONS AND 3. THE ROUTING OF ALL SURFACE MOUNTED/EXPOSED CONDUIT IN UNFINISHED AREAS

(OR WHERE NOTED ON THE DRAWINGS) SHALL BE COORDINATED WITH, AND SHALL BE

4. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR. EXACT ELECTRICAL REQUIREMENTS SHALL BE VERIFIED IN THE FIELD WITH THE EQUIPMENT'S NAMEPLATE DATA. THE CONTRACTOR SHALL MAKE APPROPRIATE ADJUSTMENTS TO WIRE AND FUSE SIZES IN ACCORDANCE WITH THE

5. THE ELECTRICAL WIRING, CONNECTION AND PROTECTION REQUIREMENTS FOR OWNER FURNISHED EQUIPMENT SHALL BE VERIFIED IN THE FIELD WITH THE OWNER'S EQUIPMENT SUPPLIER, AND WITH THE NAMEPLATE DATA. FURNISH THE PROPER NEMA RECEPTACLE CONFIGURATIONS, CONNECTIONS, AND CIRCUITS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

6. ALL BRANCH CIRCUITS AND FEEDERS SHALL CONTAIN AN INSULATED GROUNDING CONDUCTOR IN ACCORDANCE WITH SPECIFICATION SECTION 16400. NEUTRAL CONDUCTORS IN RECEPTACLE CIRCUITS SERVING DATA EQUIPMENT LOADS SHALL NOT BE SHARED IN ACCORDANCE WITH SPECIFICATION SECTION 16050.

7. THE DISCONNECTING MEANS FOR ALL MOTORS AND EQUIPMENT SHALL BE INSTALLED IN A "READILY ACCESSIBLE" LOCATION AND SHALL HAVE PROPER WORKING SPACE AS DEFINED IN N.E.C. ARTICLE 100 AND 110.

8. UTILIZATION OF THE PHRASE "PROVIDED BY" WITHIN THE CONTEXT OF THESE DOCUMENTS SHALL EXPLICITLY REPRESENT "FURNISHED AND INSTALLED BY".

9. EXPOSED NON-METALLIC CONDUIT IS NOT PERMITTED AT INTERIOR LOCATIONS. ALL NEW WORK SHALL BE CONCEALED TO GREATEST EXTENT PRACTICAL. DO NOT INSTALL EXPOSED WORK IN PUBLIC AREAS WITHOUT CM APPROVAL.

NOTE: SCOPE OF WORK SHOWN ON THE DRAWINGS ARE FOR BOTH SERVICE PLAZAS. THE ERIE ISLANDS PLAZA IS ON THE NORTH SIDE OF THE TURNPIKE AND THE COMMODORE PERRY PLAZA IS ON THE SOUTH SIDE OF THE TURNPIKE.

NOTE: EXISTING CIRCUITING SHOWN IN PANEL SCHEDULES WERE TAKEN FROM RECORD DRAWINGS AND CASUAL FIELD OBSERVATION AT THE ERIE ISLANDS SERVICE PLAZA AND IS NOT INTENDED TO BE EXACT.

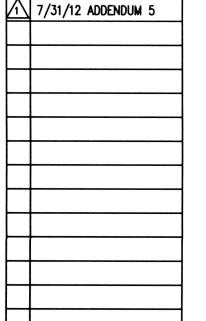
************	ELBOARD LOADING SCHEDU	VOLTS 120/208			PANEL LP1				LOCATION: BASEMENT			
SUR	FACE MOUNTED	PHASE 3			10 KAIC				EXISTING (ON EMERGENCY PWR)			
GRO	UND BAR	WIRE 4			MAINS	AMPS	225/3 N	225/3 M.L.O.				
CKT	LOAD										LOAD	CK
No.	DESCRIPTION	VA	AMPS	POLE	Α	В	С	POLE	AMPS	VA	DESCRIPTION	No
1	MENS RR LTG.	700	20	1	1700		L	1	20	1000	BASEMENT LTG.	2
3	MENS RR LTG.	1200	20	1		1700		1	20	500	PHONES BUS. CTR. LTG.	4
5	RR ENT. LTG.	500	20	1			1300	1	20	800	TR INFO, GAME, VEND LTG.	6
7	WOMENS RR LTG.	700	20	1	1700			1	20	1000	PATRON ENT.	8
9	WOMEN RR LTG.	1200	20	1		1700		1	20	500	LOBBY TRACK	10
11	TRUCKERS ENT.	700	20	1			700	1	20		SPARE	12
13	TRUCKERS ENT.	1200	20	1	1700			1	20	500	LOBBY TRACK	14
15	SPARE		20	1		500		1	20	500	S.W. VENDING RCPT.	16
17	FOOD COURT CORR. LTG.	600	20	1			1100	1	20	500	S.W. VENDING RCPT.	18
19	FOOD COURT CORR. LTG.	1100	20	1	2100			1	20	1000	FOOD CT. DOWN LTG.	20
21	FOOD COURT CORR. LTG.	1100	20	1		1800		1	20	700	FOOD CT. DOWN LTG.	22
23	FOOD COURT CORR. LTG.	1100	20	1			1800	1	20	700	FOOD CT. DOWN LTG.	24
25	FOOD COURT CORR. LTG.	1100	20	1	2100			1	20	1000	FOOD CT. DOWN LTG.	26
27	LOBBY LTG.	1500	20	1		2500		1	20	1000	FOOD CT. DOWN LTG.	28
29	LOBBY LTG.	1500	20	1			2500	1	20	1000	CENTER FOOD CT. LTG.	30
31	GIFT SHOP LTG.	1000	20	1	2000			1	20	1000	CENTER FOOD CT. LTG.	32
33	LOBBY LTG.	1100	20	1		1350		1	20	250	TRACK LTG.	34
35	CANOPY COL. LTG.	700	20	1			2000	1	20	1300	FOOD CT. & CANOPY LTG.	36
37					1000			1	20	1000	S.W. VENDING RCPT.	38
39	ASCO TRANSFER SWITCH		70	3		1000		1	20	1000	S.W. VENDING RCPT.	40
41							1000	1	20	1000	EXIT/NL	42
1						r		1				
	TOTAL CONNECTED LOAD		33250	12300	10550	10400						
	TOTAL AMPERES		92.4	102.5	87.9	86.7	NO. DE LA CONTRACTION DE LA CO					

PANELBOARD LOADING SCHEDULE VOLTS					3	PANEL RP1				LOCATION: BASEMENT		
SURFACE MOUNTED PHASI						10 KAIC				EXISTING (ON EMERGENCY PWR)		
GROUND BAR WIRE						MAINS AMPS		225/3 M.L.O.				
CKT	LOAD			************						.	LOAD	CK
No.	DESCRIPTION	VA	AMPS	POLE	Α	В	С	POLE	AMPS	VA	DESCRIPTION	No
1	BASEMENT ANNEX RCPT.	700	20	1	1500		L	1	20	800	ADA DOORS	2
3	BASEMENT ANNEX RCPT.	1200	20	1		2000]	1	20	800	LOBBY RCPT.	4
5	EXT. RCPT./ADA DOORS	600	20	1			1200	1	20	600	LOBBY RCPT.	6
7	GAME RM. RCPT.	1000	20	1	2000]		1	20	1000	COPIER	8
9	GAME RM. RCPT.	1200	20	1		1700	1	1	20	500	FAX MACHINE	1(
11	VENDING MACHINES	1000	20	1			1500	1	20	500	ATM	1:
13	VENDING MACHINES	1000	20	1	1800]	L	1	20	800	M & W RESTRM.	14
15	VENDING MACHINES	1000	20	1		1800		1	20	800	M & W RESTRM.	10
17	VENDING MACHINES	1000	20	1			1600	1	20	600	M & W RESTRM.	18
19	VENDING MACHINES	1000	20	1	2000]		1	20	1000	VENDING MACHINE	20
21	ELECTRIC WATER COOLER	1000	20	1		2000		1	20	1000	WOMENS RR FLUSH VALVE	2
23	ELECTRIC WATER COOLER	1000	20	1			2000	1	20	1000	MENS RR FLUSH VALVE	24
25	VENDING RCPT.	1000	20	1	2000			1	20	1000	WASHER	26
27	VENDING RCPT.	1000	20	1		2000		1	20	1000	WASHER	28
29	PIPE CHASE RCPT.	800	20	1			1300	1	20	500	DRYER	30
31	COUNTER DOOR MTR.	1000	20	1	1500			1	20	500	DRYER	32
33	EF1 & EF2	1400	20	1		2400		1	20	1000	WASHER	34
35	EF3 & EF7	700	20	1		_	1200	1	20	500	DRYER	36
37	RESTRM. SENSORS	500	20	1	700			1	20	200	TRUCKER FLUSH VALVE	38
39	RESTRM. SENSORS	500	20	1		500		1	20		SPARE	40
41	FIRE ALARM	1000	20	1			1000	1	20		SPARE	42
	TOTAL COMMESTED : CC							1				
	TOTAL CONNECTED LOAD			33700	11500	12400	9800					
	TOTAL AMPERES		93.6	95.8	1033	817						

TOTAL AMPERES

PANELBOARD LOADING SCHEDULE V				VOLTS 120/208				GS		LOCATION: BASEMENT		
SURFACE MOUNTED PH				PHASE 3)			EXISTING (ON EMERGENCY PWR)		
GROUND BAR WIRE				IRE 4		MAINS AMPS 50/3 MCB						
CKT LOAD			1			1				L	LOAD	CK
No.	DESCRIPTION	VA	AMPS	POLE	Α	В	С	POLE	AMPS	VA	DESCRIPTION	No.
1	GIFT SHOP LTG. 16' TRACK	1200	20	1	2200			1	20	1000	GIFT SHOP RCPT.	2
3	GIFT SHOP LTG. 16' TRACK	1200	20	1		2200		1	20	1000	GIFT SHOP RCPT.	4
5	GIFT SHOP LTG. 16' TRACK	1200	20	1		-	2200	1	20	1000	GIFT SHOP RCPT.	6
7	GIFT SHOP LTG. 16' TRACK	1200	20	1	2200			1	20	1000	GIFT SHOP RCPT.	8
9	DISPLAY LTG.	700	20	1		1700		1	20	1000	GIFT SHOP RCPT.	10
11	DISPLAY LTG.	700	20	1			1700	1	20	1000	GIFT SHOP RCPT.	12
13	SPARE		30	1	1000			2	20*	1000	GIFT SHOP RCPT.	14
15	SPACE					1000				1000		16
17	SPACE						0	1	20		SPARE	18
19	SPACE				0			1	20		SPARE	20
21	SPACE					0		1	20		SPARE	22
23	SPACE						0				BLANK	24
' IND	ICATES NEW CIRCUIT BREAK	ER IN E	EXISTING	SPACE	_							to est manufacture and a second
	TOTAL CONNECTED LOAD	***************************************		14200	5400	4900	3900					
	TOTAL AMPERES	39.4	45.0	40.8	32.5							

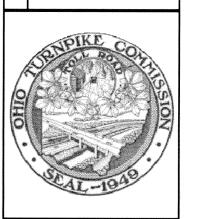
93.6 95.8 103.3 81.7

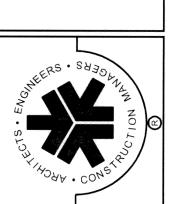


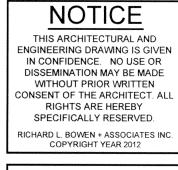
DATES AND REVISIONS

7/6/12 BID & PERMIT

No. Date/Description







DRAWN BY: CHECKED BY: RLB NO.: 6744.09 OTC NO.: 53-12-02 SERVICE PLAZA

DRAWING NO.