

APPENDIX B –
OPINION OF PROBABLE
CONSTRUCTION COST DETAIL

DRAFT

MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

Clearwater, Florida

PREPARED FOR:

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CITY OF CLEARWATER MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

Municipal Services Building Feasibility Study		Gross SF
		69,750
01 - General Requirements		\$ -
02 - Existing Conditions		\$ 79,132.53
03 - Concrete		\$ -
04 - Masonry		\$ -
05 - Metals		\$ 13,311.48
06 - Woods and Plastics		\$ 68,294.00
07 - Thermal and Moisture Protection		\$ 725,701.29
08 - Doors and Windows		\$ 283,408.04
09 - Finishes		\$ 1,378,595.72
10 - Specialties		\$ 70,476.27
11 - Equipment		\$ 14,500.00
12 - Furnishings		\$ 101,808.55
13 - Special Construction		\$ -
14 - Conveying Systems		\$ 60,000.00
21 - Fire Suppression		\$ 217,092.30
22 - Plumbing		\$ 336,608.40
23 - HVAC		\$ 2,776,068.88
26 - Electrical		\$ 2,298,556.80
27 - Communications		\$ 635,673.68
28 - Electronic Safety and Security		\$ 654,555.18
32 - Exterior Improvements		\$ 44,125.00
Cost of Work Subtotal		\$ 9,757,908.12
Design Contingency @	10.00%	\$ 975,790.81
Escalation @	3.00%	\$ 292,737.24
Subtotal		\$ 11,026,436.18
Permit @	1.00%	\$ 110,264.36
Liability Insurance @	1.00%	\$ 110,264.36
Payment & Performance Bond @	1.00%	\$ 110,264.36
Subtotal		\$ 11,357,229.26
General Conditions @	10.00%	\$ 1,135,722.93
Fee @	7.00%	\$ 874,506.65
PROJECT TOTAL		\$ 13,367,458.84

CITY OF CLEARWATER MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

Municipal Services Building Feasibility Study Alternate #1		Gross SF
		69,750
01 - General Requirements		\$ -
02 - Existing Conditions		\$ 7,872.00
03 - Concrete		\$ -
04 - Masonry		\$ -
05 - Metals		\$ -
06 - Woods and Plastics		\$ -
07 - Thermal and Moisture Protection		\$ -
08 - Doors and Windows		\$ 143,451.00
09 - Finishes		\$ -
10 - Specialties		\$ -
11 - Equipment		\$ -
12 - Furnishings		\$ -
13 - Special Construction		\$ -
14 - Conveying Systems		\$ -
21 - Fire Suppression		\$ -
22 - Plumbing		\$ -
23 - HVAC		\$ -
26 - Electrical		\$ -
27 - Communications		\$ -
28 - Electronic Safety and Security		\$ -
32 - Exterior Improvements		\$ -
Cost of Work Subtotal		\$ 151,323.00
Design Contingency @	10.00%	\$ 15,132.30
Escalation @	3.00%	\$ 4,539.69
Subtotal		\$ 170,994.99
Permit @	1.00%	\$ 1,709.95
Liability Insurance @	1.00%	\$ 1,709.95
Payment & Performance Bond @	1.00%	\$ 1,709.95
Subtotal		\$ 176,124.84
General Conditions @	10.00%	\$ 17,612.48
Fee @	7.00%	\$ 13,561.61
PROJECT TOTAL		\$ 207,298.94

MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

Description	Quantity	UM	Unit Price	Total Cost
Division 02 — Existing Conditions				
Demolition				
Remove gravel ballasted roof system and accessories	25,198.55	sf	\$0.50	\$12,599
Remove all pitch pockets	1.00	ls	\$280.00	\$280
Aluminum wall louvers w/screen wall wind driven rain rated	16.00	ea	\$60.00	\$960
Aluminum wall system wind driven rain rated 7'- 0 1/2"x5'- 0 1/2"	18.00	ea	\$60.00	\$1,080
HVAC intakes aluminum wall louvers size 5'- 0 1/2" x 2'- 0"	6.00	ea	\$50.00	\$300
HVAC intakes aluminum wall louvers standard size 3'- 0 1/2" x 1'- 0 1/2"	2.00	ea	\$50.00	\$100
HVAC intakes aluminum wall louvers top of front door	1.00	ea	\$40.00	\$40
Remove restrooms vanity & countertop	6.00	ea	\$80.00	\$480
Remove restrooms accessories	8.00	ea	\$100.00	\$800
Remove shower concrete curb and prep. surface for new finishes	2.00	ea	\$350.00	\$700
Remove existing ceramic floor tile & base	1,379.00	sf	\$0.50	\$690
Remove existing ceramic wall tile	2,264.00	sf	\$0.50	\$1,132
Remove existing porcelain flooring	3,929.00	sf	\$0.50	\$1,965
Remove existing ACT	60,915.00	sf	\$0.50	\$30,458
Remove existing VCT flooring	3,778.00	sf	\$0.50	\$1,889
Remove existing carpet flooring	51,701.00	sf	\$0.25	\$12,925
Remove wall finishes	11,791.00	sf	\$0.50	\$5,896
Clean & Clear stairwells at 1st floor	2.00	ea	\$60.00	\$120
Remove window blinds	336.00	ea	\$20.00	\$6,720
Division 02 — Existing Conditions TOTAL				\$79,133

Division 05 — Metals				
Metal Railings				
Metal picket infill at stairs guardrail returns	12.00	lf	\$109.29	\$1,311
Metal Repairs				
Allowance to replace damaged members on the chiller platform	1.00	ls	\$12,000.00	\$12,000
Division 05 — Metals TOTAL				\$13,311

Division 06 — Wood, Plastics				
Millwork				
Restrooms vanity	58.42	lf	\$200.00	\$11,684
Lower millwork (Coffee & Breakroom)	62.90	lf	\$500.00	\$31,450
Upper millwork (Coffee & Breakroom)	62.90	lf	\$400.00	\$25,160
Division 06 — Wood, Plastics TOTAL				\$68,294

Division 07 — Thermal				
Modified Bituminous Roofing				

MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

Description	Quantity	UM	Unit Price	Total Cost
3 PLY modified bituminous roofing w/granular cap sheet, R-30 insulation	25,198.55	sf	\$23.69	\$596,954
Flashing and Sheet Metal				
New stainless steel flashing	1,176.00	lf	\$59.41	\$69,866
Roof Accessories				
New 4" downspout w/dome + 2" jacket insulation	1,029.00	lf	\$10.45	\$10,753
Joint Protection				
New precast concrete panel clear silicone resin sealant	36,636.59	sf	\$0.50	\$18,318
New backer rod and silicone sealants at exterior walls	15,055.60	lf	\$1.98	\$29,810
Division 07 – Thermal TOTAL				\$725,701

Division 08 – Openings				
Wood Doors and Frames				
Re-install interior - 3' x 7' Wood door w/ new hardware	118.00	ea	\$428.07	\$50,512
Re-install interior - 6' x 7' Wood doors w/new hardware	11.00	ea	\$779.93	\$8,579
Storefronts				
Interior FRT Hollow metal frame system w/45 min FRT glazing	1,109.50	sf	\$106.08	\$117,696
Louvers				
Aluminum wall louvers w/screen wall wind driven rain rated	16.00	ea	\$2,944.71	\$47,115
Aluminum wall system wind driven rain rated 7'- 0 1/2"x5'- 0 1/2"	18.00	ea	\$2,944.71	\$53,005
HVAC intakes aluminum wall louvers standard size 3'- 0 1/2" x 1'- 0 1/2"	2.00	ea	\$377.88	\$756
HVAC intakes aluminum wall louvers size 5'- 0 1/2" x 2'- 0"	6.00	ea	\$841.35	\$5,048
HVAC intakes aluminum wall louvers top of front door	1.00	ea	\$696.28	\$696
Division 08 – Openings TOTAL				\$283,408

Division 09 – Finishes				
Gypsum Board Assemblies				
New Partition wall 3-5/8" Studs w/ 5/8" gypsum board both sides w/ insulation (Incl. Remove demountable partitions)	4,499.97	sf	\$15.00	\$67,500
Cement Plastering				
Stucco repairs (Allowance)	3,663.66	sf	\$15.00	\$54,955
Tiling				
Ceramic mosaic floor tiles	1,379.44	sf	\$14.21	\$19,602
Ceramic mosaic wall base	488.34	lf	\$10.00	\$4,883
White ceramic at walls	2,264.07	sf	\$15.95	\$36,112
Porcelain floor tile	3,929.02	sf	\$10.85	\$42,630
Porcelain wall base	970.34	lf	\$8.27	\$8,025
Acoustical Ceilings				
T-Grid ceiling 2'x2'	60,841.70	sf	\$8.53	\$518,980
Resilient Flooring				

MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

Description	Quantity	UM	Unit Price	Total Cost
Flooring - VCT	3,778.00	sf	\$8.97	\$33,889
Base - Vinyl	1,133.00	lf	\$4.50	\$5,099
Concrete Sealer				
Concrete sealer	4,880.12	sf	\$1.50	\$7,320
Base - Vinyl	1,017.87	lf	\$4.50	\$4,580
Carpeting				
Carpet - tile	5,744.69	sy	\$42.65	\$245,011
Base - vinyl	9,150.54	lf	\$4.50	\$41,177
Wall Coverings				
Vinyl wall covering (Allowance)	11,017.62	sf	\$8.00	\$88,141
Caulking & Sealants	1,335.95	lf	\$0.75	\$1,002
Painting and Coating				
Interior walls Painting	103,102.18	sf	\$1.35	\$139,188
Interior ceiling Painting	2,627.60	sf	\$1.80	\$4,730
Clean, prime, and paint stair handrails	356.45	lf	\$25.00	\$8,911
Clean, prime, and paint stair handrails & railing system	154.49	lf	\$35.00	\$5,407
Repair, prime, & paint the rooftop mechanical platform and guardrails	1.00	ls	\$10,000.00	\$10,000
Repair, prime, & paint - Steel column	32.00	lf	\$150.00	\$4,800
Pressure wash and cleaning	36,636.59	sf	\$0.40	\$14,655
Clean, prime, & paint exposed steel (Allowance)	1.00	ea	\$12,000.00	\$12,000
Division 09 – Finishes TOTAL				\$1,378,596

Division 10 – Specialties				
Signage				
Interior building signage package	4.00	ls	\$3,000.00	\$12,000
Compartments and Cubicles				
Handicap toilet partition - phenolic	6.00	ea	\$2,200.00	\$13,200
Toilet partition - phenolic	12.00	ea	\$1,800.00	\$21,600
Toilet, Bath, and Laundry Accessories				
Grab bar - 36"	6.00	ea	\$100.70	\$604
Grab bar - 48"	6.00	ea	\$126.10	\$757
Mirror, framed 24"x36"	6.00	ea	\$196.05	\$1,176
Mirror, frameless 24"x72"	9.00	ea	\$703.32	\$6,330
Paper towel dispenser with receptacle	6.00	ea	\$576.95	\$3,462
Robe hook	2.00	ea	\$46.56	\$93
Shower curtain	2.00	ea	\$50.00	\$100
Shower rod - 5'	2.00	ea	\$80.00	\$160
Soap dispenser - surface-mounted	21.00	ea	\$108.45	\$2,277
Toilet paper dispenser - double	18.00	ea	\$176.90	\$3,184
Toilet seat cover dispenser	18.00	ea	\$119.75	\$2,156
U-Shape back & 2 side wall grab bar 24"x60"x24"	2.00	ea	\$567.90	\$1,136
Sanitary napkin disposal	12.00	ea	\$53.46	\$642

MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

Description	Quantity	UM	Unit Price	Total Cost
Toilet seat	18.00	ea	\$50.00	\$900
ADA shower seat	2.00	ea	\$350.00	\$700
Division 10 – Specialties TOTAL				\$70,476

Division 11 – Equipment				
Residential Equipment				
Microwave	4.00	ea	\$500.00	\$2,000
Refrigerator	5.00	ea	\$2,500.00	\$12,500
Division 11 – Equipment TOTAL				\$14,500

Division 12 – Furnishings				
Window Shades				
Window roller shades	336.00	ea	\$250.00	\$84,000
Countertops				
Countertop - solid surface	237.45	sf	\$75.00	\$17,809
Division 12 – Furnishings TOTAL				\$101,809

Division 14 – Conveying Systems				
Elevator cab				
Elevator cab refurbished (Allowance)	2.00	ls	\$12,500.00	\$25,000
Elevator equipment system (Allowance)	2.00	ls	\$17,500.00	\$35,000
Division 14 – Conveying Systems TOTAL				\$60,000

Division 21 – Fire Suppression				
Water Based Fire Suppression Systems				
Replace Existing Diesel Fire Pump & Controller	1.00	lsum	\$104,523.03	\$104,523
Replace Existing Jockey Pump	1.00	lsum	\$23,515.52	\$23,516
Allowance for Modifications to Interior FP System	71,243.00	sf	\$1.25	\$89,054
Division 21 – Fire Suppression TOTAL				\$217,092

Division 22 – Plumbing				
1. Plumbing Fixtures, Includ'g Fixtures & Rough-In				
Lavatory - replace	18.00	ea	\$3,406.14	\$61,311
Wall Mounted Lavatory - replace	6.00	ea	\$3,634.74	\$21,808
Water Closet - replace	15.00	ea	\$2,841.98	\$42,630
Urinal - replace	3.00	ea	\$4,205.77	\$12,617
Shower - replace controls	2.00	ea	\$1,065.03	\$2,130
Floor Mtd Mop Basin - replace	3.00	ea	\$5,362.54	\$16,088
Electric Water Cooler - Bi-Level - replace	3.00	ea	\$4,626.60	\$13,880
2. Equipment				
90 Gallon Electric Water Heater - replace	1.00	ea	\$3,850.25	\$3,850
Domestic Water Recirculation Pump - replace	1.00	ea	\$3,184.70	\$3,185
3. Drain, Waste, & Vent Piping				

MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

Description	Quantity	UM	Unit Price	Total Cost
Roof Drain Piping 4"	2,500.00	lf	\$58.67	\$146,675
Replace Existing Roof Drains & Domes	25.00	es	\$497.40	\$12,435
Division 22 – Plumbing TOTAL				\$336,608

Division 23 – HVAC				
1. Equipment				
Replace Air Cooled Chillers - 150 Ton	2.00	ea	\$180,797.84	\$361,596
Replace Chiller Pump Packages	1.00	lsum	\$32,278.96	\$32,279
Replace Existing Air Handling Units	1.00	lsum	\$960,729.60	\$960,730
VAV Boxes with Electric Re-Heat	100.00	ea	\$1,268.35	\$126,835
Replace existing Hot Water Generator	1.00	ea	\$23,142.45	\$23,142
Replace Boiler Circulation Pumps	1.00	ls	\$11,523.98	\$11,524
Replace Boiler Piping Insulation	1.00	allow	\$10,752.58	\$10,753
11. Supply & Return Duct				
Provide Return Air Ductwork throughout	39,184.00	lbs	\$17.53	\$686,896
Replace existing supply Flex duct	1.00	allow	\$65,000.00	\$65,000
Provide allowance to clean existing supply duct	1.00	allow	\$15,000.00	\$15,000
15. Building Controls				
Building Control	71,243.00	sf	\$4.76	\$339,117
16. Misc.				
Testing, Adjusting, and Balancing	71,243.00	sf	\$0.53	\$37,759
Start-up and commissioning support	71,243.00	sf	\$1.48	\$105,440
Division 23 – HVAC TOTAL				\$2,776,069

Division 26 – Electrical				
2. Site Lighting				
Replace non-LED Fixtures with LED Fixtures	1.00	allow	\$28,740.61	\$28,741
Connect Site Lighting to BMS	1.00	ls	\$6,383.12	\$6,383
Add Photocell & Manual Bypass Controls	1.00	ls	\$4,812.18	\$4,812
Public Way Emergency Egress Lighting	1.00	allow	\$22,215.98	\$22,216
3. Interior Lighting & Controls				
Replace All non-LED Light Fixtures with LED Fixtures	71,243.00	sf	\$8.71	\$620,527
Replace all Emergency & Egress Lighting Interior	71,243.00	sf	\$1.17	\$83,354
Lighting Control System	1.00	allow	\$46,285.91	\$46,286
Interior Lighting Occ Sensors . Switches	71,243.00	sf	\$1.45	\$103,302
4. Branch Power				
Power at Stud Walls (replace demountable partitions)	1.00	allow	\$13,392.53	\$13,393
Replace Existing service receptacles with 20A GFCI receptacles on roof	10.00	ea	\$295.87	\$2,959
5. Equipment Power				
Reconnect Elevator	1.00	ea	\$6,114.74	\$6,115
Provide New Disconnect Switches & Labeling for all equipment	1.00	allow	\$31,682.72	\$31,683
6. Service & Distribution				

MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

Description	Quantity	UM	Unit Price	Total Cost
Replace Main Switchboard - 2500 Amps	1.00	lsum	\$119,169.89	\$119,170
Replace Distribution Panelboards	1.00	lsum	\$25,022.36	\$25,022
Replace 277/480 Volt Panels	1.00	lsum	\$53,187.97	\$53,188
Replace Dry Type Transformers	1.00	lsum	\$122,080.47	\$122,080
Replace 120/208 Volt Panelboards	1.00	lsum	\$78,657.46	\$78,657
Emergency Generator - 500 KW Diesel w/1200 gallon sub base fuel tank	1.00	ea	\$279,619.15	\$279,619
Automatic Transfer Switches	600.00	Amp	\$103.04	\$61,824
Emergency Power Panels	600.00	Amps	\$29.24	\$17,544
Emergency Power Dry Type Xfrms	150.00	kva	\$155.21	\$23,282
Modify Feeders & Connections	1.00	allow	\$184,632.60	\$184,633
Remote annunciator/control panel	1.00	ea	\$7,113.27	\$7,113
Add Shunt Trip to existing UPS	1.00	ea	\$1,361.80	\$1,362
7. Misc.				
Lightning Protection Replacement	24,421.74	sf	\$6.03	\$147,263
Temporary Power & Lighting	71,243.00	sf	\$0.62	\$44,171
Testing & Startup	71,243.00	sf	\$1.21	\$86,204
Demolition (Disconnect & Make-Safe)	71,243.00	sf	\$1.09	\$77,655
Division 26 – Electrical TOTAL				\$2,298,557

Division 27 – Communications				
1. Telecommunications				
Replace all interior horizontal cabling & jacks	71,243.00	sf	\$7.44	\$530,048
2. Public Address				
Allowance to Test & Upgrade if Necessary	1.00	allow	\$42,125.76	\$42,126
4. Audio Visual				
Allowance for A/V in Conference Rooms	1.00	allow	\$63,500.00	\$63,500
Division 27 – Communications TOTAL				\$635,674

Division 28 – Electronic Safety and Security				
1. Fire Detection & Alarm				
Replace Existing F/A with Addressable Voice Evac System	71,243.00	sf	\$7.62	\$542,872
2. Access Control				
Video Surveillance System - Test & Repair as necessary	1.00	allow	\$59,016.76	\$59,017
Access Control System - Test & repair as necessary	1.00	allow	\$52,666.76	\$52,667
Division 28 – Electronic Safety and Security				\$654,555

Division 32 – Exterior Improvements				
Curbs, Gutters, Sidewalks, and Driveways				
Slab on grade at employee break area 4" (Incl. Demo, compaction and reinforcement)	875.00	sf	\$15.00	\$13,125
Patch and repair concrete encasement at exterior steel columns	1.00	ls	\$1,000.00	\$1,000
ADA Upgrades				

MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

Description	Quantity	UM	Unit Price	Total Cost
Exterior ADA upgrades	1.00	ls	\$30,000.00	\$30,000
Division 32 – Exterior Improvements TOTAL				\$44,125

MUNICIPAL SERVICES BUILDING FEASIBILITY STUDY

ALTERNATE #1

Description	Quantity	UM	Unit Price	Total Cost
Division 02 — Existing Conditions				
Demolition				
Remove existing storefront system, doors, and glazing at building first floor exit and lobby	1,574.40	sf	\$5.00	\$7,872
Division 02 — Existing Conditions TOTAL				\$7,872
Division 08 — Openings				
Sliding Glass Doors				
Aluminum sliding glass door system 10'x7'	3.00	ea	\$14,870.00	\$44,610
Storefronts				
New NOA/FPA Storefront system at building first floor exit and lobby	775.56	sf	\$118.78	\$92,121
Interior - 3' x 7' Aluminum storefront door with frame and hardware	2.00	ea	\$1,680.00	\$3,360
Interior - 6' x 7' Aluminum storefront doors with frame and hardware	1.00	ea	\$3,360.00	\$3,360
Division 08 — Openings TOTAL				\$143,451

CLARIFICATIONS & EXCLUSIONS

Division 05 – Metals

- 1 We are considering an allowance for replacement of damaged member of the chiller platform.

Division 09 – Finishes

- 2 We are considering a total of 4,500 sf divided among the 3 floors, to remove demountable partitions and replace them with new drywall.
- 3 Stucco repair is considered only at 10% of the exterior walls
- 4 Replacement of the ACT ceiling is considered in all the offices and rooms except for the restrooms and shower rooms. For those areas, painting of the existing ceilings is included.

Division 21 – Fire Suppression

- 5 This estimate includes replacement of Diesel Fire Pump and Controller as well as the jockey pump.
- 6 This estimate includes an allowance for modifications to the existing heads & piping if required.

Division 22 – Plumbing

- 7 This estimate includes replacing all existing plumbing fixtures.
- 8 This estimate includes replacing existing 80 gallon electric water heater with new 90 gallon water heater.
- 9 This estimate includes replacing existing domestic water circulation pumps
- 10 This estimate does not include any new or replacement piping other than the roof drains.

Division 23 – Heating, Ventilation, and Air Conditioning

- 11 This estimate includes replacement of air cooled chillers, pump package, air handling units, and VAV boxes.
- 12 This estimate includes new ductwork for return air only.
- 13 No replacement piping is included.
- 14 New building controls is included.
- 15 No work is included for exhaust systems.

Division 26 – Electrical

- 16 Replacement of existing non-LED fixtures on the site is included.
- 17 New emergency egress lighting allowance for the exterior is included.
- 18 Replacement of all interior lighting with new LED light fixtures is included.
- 19 New lighting controls to comply with Florida Energy Code is included.
- 20 Replacement of all existing switchgear and emergency generator system is included.
- 21 Replacement of existing Lightning Protection System is included.

Division 27 – Communications

- 22 Replacement of all Cat5, Cat5E, and Cat6 cabling with Cat6A cabling and outlet jacks is included.
- 23 CATV work is not included.
- 24 An allowance for testing and upgrading Public Address System is included.
- 25 An allowance for Conference Room A/V systems is included.
- 26 Traffic Signal Computer / Control room work is not included.

Division 28 – Electronic Safety and Security

- 27 Replacement of existing F/A system with addressable voice evacuation system is included.
- 28 No work has been included for the existing Security Intrusion Detection System.
- 29 An allowance for testing and upgrading the existing video surveillance system is included.
- 30 An allowance for testing and upgrading the existing access control system is included.

Division 32 – Exterior Improvements

- 31 Exterior improvements are considered as an allowance for ADA compliance.



August 16, 2013

Subject: MXL Phase-Out

To our valued customer:

As announced in January of 2013 (POA 01-13_MXL_Phaseout), due to component availability issues, we have phased out all versions of the MXL as of October 1, 2013. Orders for new MXL systems will continue to be accepted until October 1, 2013 and thereafter solely for support and expansion purposes. Siemens will continue to support the MXL and all affected parts for 5 years until October of 2018 and will support MXL devices and detectors for 10 years until October of 2023. This includes support, repair and replacement (if available) or expansions of existing MXL systems. Please note that our suppliers have had difficulty in providing older generation components which has led to an increase in price for MXL replacement parts.

However, in order to reduce your maintenance costs, there is now a cost effective total migration solution that will allow you to convert your existing MXL panel to the FireFinder XLS panel while still using your existing field devices, wiring and back boxes. This kind of system migration allows you to extend the life of your system and save money over total system replacement. Additionally, it allows you to leverage the more advanced features included in the newer technology FireFinder XLS which include:

- Improved performance and response time
- Intuitive Person Machine Interface for easier annunciation and control
- Digital Voice
- Background Music and Convenience Paging

Contact your authorized Siemens representative for more information or to see if your system is a candidate for this upgrade.

Kind regards,

Siemens Sales Outlet

Siemens Industry, Inc.
Building Technologies
Fire Safety
8 Fernwood Road
Florham Park, NJ 07932
+1 973 593 2600

An aerial photograph of the New York City skyline, featuring the Chrysler Building as the central focus. The building's iconic Art Deco architecture, including its tiered crown and spire, is clearly visible. The surrounding city is a dense collection of skyscrapers and lower-rise buildings. In the background, the Hudson River and the George Washington Bridge can be seen under a clear sky. A large, semi-transparent white arrow points from the top right towards the Chrysler Building, and a smaller white arrow points from the text below towards the building's base.

How can I migrate our life safety system to the latest technologies without all the chaos?

Only Siemens can provide you with the right products and services for a seamless migration of your MXL and MXLV life safety system. Siemens has an MXL migration strategy that provides you with planned minimal costs and virtually no down time.

Answers for Infrastructure.

SIEMENS

Our Large Investment.... Your Substantial Gain!

Leverage our experience to get the peace of mind you need as you safeguard your building occupants and business mission.

Siemens is your experienced partner for the seamless migration of your MXL life safety system.



XLS System

Smooth
Migration



MXL System

We have made a significant investment on a transition program to minimize the cost and time our customers experience in migrating their MXL life safety systems to the latest technologies.

A Superior Migration Strategy – Designed by MXL Experts

Starting in 2012, you will be able to replace your MXL head-end with an XLS state of the art life safety head-end, enabling the seamless use of your existing field devices and cabinet.

Siemens Makes it Easy

This smooth migration will be possible thanks to our line card which will reside in the XLS life safety system to seamlessly receive data from the MXL's field devices. The XLS system will also have a signaling card designed to interface with your current notification appliances such as strobes, horns, speakers and combined devices.

Everything will be designed to work in concert with each other leveraging our expert knowledge of your current Siemens system. You will have a smooth migration of your MXL to an XLS system!

So basically, your new system will run smoothly without the need to replace all your field devices! This allows you to take that well planned first step, in plenty of time and within budget.

You can count on Siemens for the best migration strategy.

So what do you need to do to get your building's life safety system to the latest technologies? ... Follow these easy steps:

Two Easy Steps to Migrate Your Life Safety System....

1

Call your Siemens representative to review your current system and get an estimate for your system migration (the replacement of the head-end). Use that number for your budget planning.

2

Let Siemens know to start planning the migration of your system and provide a timeline that they can begin installing the XLS system head-end.

**Expect peace of mind
knowing that you have
done your best for your
building occupants and
business mission, as
our Siemens experts
provide you with a
smooth transition to
the latest technologies!**



XLS Screen/Keypad

Act now, so we may provide you with a smooth migration plan, in time to meet your budgetary needs.



Some of the benefits of XLS

Responding to an emergency can induce anxiety in most people. The XLS system is unique in that the operator is not challenged by having to remember the training he or she received a long time ago. The easy to use system interface of the XLS is like an ATM machine! So virtually no training is needed to operate the system. All you need to do is follow the prompts like you would at a bank teller machine. The smarts are programmed in to the system, so the right actions are taken in plain language terms.

The XLS even has a help button! If the operator wants to know more about a function or step, she only needs to press the help button for additional instructions.

XLS's ability to display Hazmat symbols allows the addition of critical information that involves hazardous materials which may be in certain areas of your building. This is critical information that may be life saving to first respondents in the event of a fire. Similarly special facilities for handling the evacuation or taming the fire may be posted graphically, such as facilities for special needs personnel.

Built-in symbols and graphics can also be used to highlight areas where individuals with special needs reside. This is possible thanks to XLS's ability to map to devices installed in those locations. In this way, first respondents will know when they are dealing with circumstances that may need additional assistance and special consideration.

Separate contact numbers can be designated for your building areas and stored in the additional information screen available to

the first respondents. Additionally, custom instructions on necessary actions to be taken during an emergency event can be stored in the XLS life safety system. These guidelines can then be displayed when needed in the event of an emergency, to be executed as defined in your life safety plan.

Building graphics with fire location Icons and the "you are here" indicator also make it very simple to know where the operator's panel is in relation to the fire. And you get all of this without buying any additional hardware, right on the operator's panel of the XLS.

...And there is more... like the built-in touch screen for more advanced features and system management, but we could go on forever.

Do you need special financing?

We can help you acquire funds for your project via Siemens financing. Our life safety professionals can also assist you with presentations to a condominium board or management company.

After Installation Service

Of course, our support does not end after installation. Siemens' factory-trained, NICET certified technicians are backed by more than 60 years of proven innovation in designing and maintaining life safety systems. Our skilled service technicians are also trained to test and maintain other major fire alarm system brands. This means we are able to provide service for all of your life safety needs.

Now it's time to make the right decision and call Siemens Fire Safety to ensure you have the right partner for your life safety system migration.



Some of the benefits
of having Siemens
as your partner for
your MXL /MXLV
life safety system
migration strategy.

- **Superior migration strategy**
- **Siemens systems experts**
- **Help with financing**
- **No new learning curve**
- **After installation service**
- **Smooth transition with minimal costs**
- **Central station monitoring**
- **“No False Alarm” – Guarantee**
- **Unmatched ease of use and much more**



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www.usa.siemens.com/fire



Building Technologies

Fire Safety & Security Products

Phase-Out Announcement

Product Line: Fire Detection

Date: December 23, 2016

Distribution (please mark):

Product ☐

Solution ☒

Multi-Channel ☐

Product Family	Product Name	Part Number
Detection	MXL Detectors	*see parts list in this document

Updated Phase Out Announcement for MXL Detectors

Situation:

Due to major changes of the Underwriters Laboratory detector (UL268) test standard, Siemens is forced to change the previously announced discontinuance date of MXL detectors. The original published MXL discontinuance date was published as October 1, 2023 (reference POA 01-13 MXL). The updated new product discontinuance date is May 29, 2020 corresponding with UL's mandatory compliance date. This also matches the phase-out (discontinuance) date recently published for the HFP-11 detector line (reference POA-01-16 HFP-11).

Reasons for modified Phase Out:

Changes to the Underwriters Laboratory (UL268) detector test standard: UL requires that all manufacturers resubmit detectors to pass the new UL 268 standard. The new test standard mandates that all smoke detectors will have to pass both flaming and smoldering polyurethane (PU) foam tests and a newly added **cooking nuisance alarm resistance test** in order to have a UL listing. The deadline for compliance is May 29, 2020. MXL detectors will not pass the new UL tests (without a redesign) and MXL detectors are already in a phase out (service) period because of component obsolescence.

Affected Products (*parts list)

Name	Part #	Short Description	Start of Service Period (as previously published on POA 01-13 MXL)	Product Discontinuance
FP-11	500-095112	FP-11 FIREPRINT INTELL DETECTOR	October 1, 2013	May 29, 2020
FPT-11	500-095918	FPT-11 THERMAL DETECTOR	October 1, 2013	May 29, 2020
FP-11C	500-095112C	FP-11 FIREPRINT INTELL DETECTOR (Canada)	October 1, 2013	May 29, 2020
FPT-11C	500-095918C	FPT-11 THERMAL DETECTOR (Canada)	October 1, 2013	May 29, 2020
ILP-1	500-092650	INTELLIGENT PHOTO DETECTOR	October 1, 2013	May 29, 2020
ILP-1C	500-093015	INTELLIGENT PHOTO DETECTOR	October 1, 2013	May 29, 2020

Phase-Out Timeline:

Author: Ron Ouimette Siemens Industry, Inc. Building Technologies Division CPS Fire Safety 8 Fernwood Road Florham Park, NJ 07932	Page: 1 / 3	PLN number: POA-03-16: Updated MXL Detector Phase Out Announcement
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Building Technologies

Fire Safety & Security Products

Phase-Out Announcement

Product Line: Fire Detection

Date: December 23, 2016

Distribution (please mark):

Product

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Activity	Start	End
Updated Phase Out Announcement (POA)	-	12/01/2016
Service Period for MXL Detectors	10/01/13 (as previously published)	05/29/2020
Last order date for new system detectors	-	12/31/2019
Product Discontinuance	-	05/29/2020

Price Adjustment

There will be yearly price increases of at least 20% once the product goes into service period.

Warranty Policy and Support:

Standard Siemens warranty policy is applicable to all of the MXL detectors and parts sold as new devices. Validated warranty claims after the May 29, 2020 discontinuance date will be replaced with the same detector (as long as inventory is available). Siemens will continue to support the MXL Series detectors during the service period outlined in the phase-out timeline.

During the service period Siemens will provide: full technical and field support & limited R&D and application support

Existing Customers / Expansions / Serving the Installed base

Siemens would like to ensure a strong continued partnership with your customers and we suggest you promote the highly successful **MXL Migration Program** during this window of opportunity. This program will provide a staged economical customer solution by first migrating the MXL panel, bringing the MXL detectors over to a **fit for future** XLS platform and later optionally upgrading the line card and devices to the most current detector and peripheral offering. To ensure your success during this migration we have several tools available to help you. To learn more about the **MXL® to FireFinder® XLS Migration Solution** and how to communicate the details, please visit our **Websites** by using the following links:

- Siemens Branches: [SSP Migration Solution](#)

Additionally existing customers will be supported as outlined in the "Warranty Policy and Support" section of this document. Customers can continue to expand their MXL fire systems that currently use FP-11 detectors by adding devices before the discontinuance date.

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PLN number: POA-03-16: Updated MXL
Detector Phase Out Announcement



Building Technologies

Fire Safety & Security Products

Phase-Out Announcement

Product Line: Fire Detection

Date: December 23, 2016

Distribution (please mark):

Product

☐

Solution

☒

Multi-Channel

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Additional information

If you need additional information, please contact the customer or technical support centers.

Customer Support:

Telephone: 800.262.7976

Fax: 800-262.3294

General email: FPKCustomerService.industry@siemens.com

Technical Support:

E-mail: support.us.i-bt@siemens.com

Phone: 1 (800) 248-7976 (US & Canada)

1 (973) 593-2666 (International)

Fax: 1 (908) 547-6877

Web: <http://www.sbt.siemens.com/fis>

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PLN number: POA-03-16: Updated MXL
Detector Phase Out Announcement