

			Sterling Renaissance, Inc	
			430 E. Il. Rt. 22, Lake Zurich, IL. 60047	
		4/5/2013	Scope of Work for MEP work - St. Luke Church & Academy, Chicago, IL for Drawings	
		revised 7/15/13		
			Note: This is a tax exempt project. Please do not include sales taxes in your bid.	
CSI	Bid Phase	TRADE	ITEM	Total cost
15300	all	Fire Sprinklers	Furnish drawings to Fire Dept. for approval.	
15300	all	Fire Sprinklers	Test system and furnish report	
15300	all	Fire Sprinklers	Include all coring and fire stopping as required to do the work.	
15300	1	Fire Sprinklers	Rework the existing sprinkler head and piping layout in the Auditorium 001. The present configuration is that all the piping and heads run below the existing plaster ceiling. All existing plaster will be removed. Assume that new acoustical grid and tile will be installed per the revised ceiling plan sheet A2.7 dated 6/28/13. The heads will then be changed from up-turned to down - turned heads in the ceiling tile. Assume semi-recessed chrome heads.	
15300	1	Fire Sprinklers	Furnish and install new main piping, branch piping and semi - recessed downturned heads in Classroom 202 (also called Recreation Room 202).	
15300	1	Fire Sprinklers	Furnish and install new main piping, branch piping and semi - recessed downturned heads in Vestibule 301, Recreation Room 303, Storage 302, and Storage 304.	
15300	1	Fire Sprinklers	Total cost for the Phase 1 sprinkler work	
15300	3	Fire Sprinklers	Rework the layout of the sprinkler heads around the elevator at Secretary 105, Principal 103 and Teacher's Lounge 104.	do not bid
15300	3	Fire Sprinklers	Furnish and install sprinkler head at elevator shaft	do not bid
15300	3	Fire Sprinklers	Total cost for the Phase 3 sprinkler work	do not bid
15400	all	plumbing	provide as - built at the completion of all work	
15400	all	plumbing	All coring and cutting required to perform this work shall be performed as part of this contract. Remove concrete and spoils.	
15400	all	plumbing	Fire safe and fire caulk all penetrations related to the Plumbing work.	
15400	all	plumbing	provide clean up of plumbing debris, clean up to be done daily.	
15400	1	plumbing	Furnish and install new fixtures at bathroom 106, (floor drain, sink, faucet & 2 water closets).	
15400	1	plumbing	furnish and install new roof drains at new roof areas, tie into existing drain lines. This work is shown on sheet P1.2 and P1.3.	
15400	1	plumbing	furnish and install piping and faucets for sinks at 215	
15400	1	plumbing	furnish and install new water closet at 215	
15400	1	plumbing	furnish and install roof drain above existing roof at West Balcony 225 and Cantor's Office 229 - see sheet P1.2	
15400	1	plumbing	relocate existing vent stack at room 303 to storage 302 - see plansheet P1.3.	
15400	1	plumbing	Total cost for the Phase 1 plumbing work	
15400	3	plumbing	Demo plumbing at 1st floor for elevator work if required.	do not bid
15400	3	plumbing	haul away all under slab plumbing spoils created from the under slab piping installation.	do not bid
15400	3	plumbing	Furnish and install sump pit and sump pump at the elevator pit. Tie into new drain at 010	do not bid
15400	3	plumbing	Total cost for the Phase 3 plumbing work	do not bid
15700	all	HVAC	All coring and drilling required to do the work shall be included.	
15700	all	HVAC	Fire caulk all penetrations in the floor slabs where piping runs from floor to floor.	
15700	all	HVAC	run all gas main and gas main riser starting at the service entrance point	
15700	all	HVAC	Core all holes in walls, floor, studs, etc. required to do the work. .	
15700	all	HVAC	All coring and cutting required to perform this work shall be performed as part of this contract. The patching will be done by others.	
15700	all	HVAC	Fire safe and fire caulk all penetrations related to the HVAC work	
15700	all	HVAC	Refer to the HVAC drawings for the full scope of work covered by this contract	
15700	all	HVAC	provide as - built drawings at the completion of all work	

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15700	all	HVAC	include the cost of all hoisting of equipment	
15700	all	HVAC	Furnish and install all control wiring	
15700	all	HVAC	Test and balance system	
15700	all	HVAC	Furnish and install thermostats and wiring	
15700	all	HVAC	Furnish and install all inline duct fire dampers where required by code for fire walls	
15700	all	HVAC	Refer to the gas piping scope of work for gas piping related scope items	
15700	all	HVAC	Provide clean up of hvac debris, clean up to be done daily	
15700	1	HVAC	Furnish and install all gas piping and shut off valves from the building service to the RT-1 rooftop unit on the roof that services classroom 208.	
15700	1	HVAC	All coring and drilling required to do the work shall be included.	
15700	1	HVAC	Fire caulk all penetrations in the floor slabs where piping runs from floor to floor.	
15700	1	HVAC	run all gas main and gas main riser starting at the service entrance point	
15700	1	HVAC	Furnish and install all sheet metal ductwork indicated on the drawings for RT-1	
15700	1	HVAC	Furnish and install all required RT-1 curbing for all roof mounted units as shown on the drawings including pipe portals.	
15700	1	HVAC	All of the roof portals for the SYSTEM 1 through SYSTEM 4 mini - split condensers need to be installed as part of the Phase 1 work. In case some of the mini-split system group work is delayed, the portals will be there when the work is ready.	
15700	1	HVAC	Furnish and install the SYSTEM 3 new mini-split systems consisting of the ceiling cassettes, ceiling control boxes, refrigerant lines, control wiring, rooftop condensers, curbs, condensate lines, coring, fire stopping and all labor for the Auditorium 001 consisting of eight ceiling cassettes AC 3-1 through AC 3-8 and the three rooftop condensers ACU 3-1, ACU 3.2 and ACU 3.3.	
15700	1	HVAC	Furnish and install the SYSTEM 4 new mini-split systems consisting of the ceiling cassettes, ceiling control boxes, refrigerant lines, control wiring and control wiring conduits, rooftop condensers, curbs, condensate lines, coring, fire stopping and all labor for the Recreation Room 202 consisting of four ceiling cassettes AC 4-1 through AC 4-4 and the single rooftop condensers ACU 4-1.	
15700	1	HVAC	supply and install interior and exterior duct insulation for RT-1.	
15700	1	HVAC	Reroute flue at room 303 that needs to be relocated to the storage area.	
15700	1	HVAC	Relocate the two existing steam radiators at the northwest corner of the gymnasium due to the installation of the new ramp - see note 15 on sheet M1.3.	
15700	1	HVAC	Total cost for the Phase 1 HVAC work	
15700	2	HVAC	Furnish and install gas piping to the two new hot water boilers P1 and P2 in the basement boiler room. Include the shut off valves and the final connections to the equipment.	
15700	2	HVAC	Please provide one complete price to furnish and install the two new hot water boilers P1 and P2, the two new air handlers AH-1 and AH-2 and Chiller CH-1. Include the control wiring and controls. The demo of the two existing air handlers will be performed by others.	
15700	2	HVAC	Total cost for the Phase 2 HVAC work	
15700	3	HVAC	Reroute ductwork around elevator shaft	do not bid
15700	3	HVAC	The replacement of the two main steam boilers is not part of this contract.	do not bid

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CSI	Bid Phase	TRADE	ITEM	Total cost
15700	3	HVAC	Furnish and install the new ductwork including supplies, grills and registers for Secretary 105, Teacher's Lounge 104, Principal 103. This ductwork gets reconnected back to the existing ductwork serviced by AH-3.	do not bid
15700	3	HVAC	Total cost for the Phase 3 HVAC work	do not bid
15700	4	HVAC	Furnish and install LV1 & LV2 at gym with bird screen and dampers with control wire	
15700	4	HVAC	Furnish and install new exhaust fan EF-1 at gym and EF-2 at the Storage Room at the northeast corner of the third floor.	
15700	4	HVAC	Total cost for the Phase 4 HVAC work	
15700	2A	HVAC	Furnish and install the SYSTEM 1 new mini-split systems consisting of the ceiling cassettes, ceiling control boxes, refrigerant lines, control wiring and control wiring conduits, rooftop condensers, curbs, condensate lines, coring, fire stopping and all labor for the following rooms: Music Room 121 (AC 1-1), Classroom 122 (AC 1-2), Classroom 115 (AC 1-3), Classroom 109 (AC-1-4), Kindergarten 217 (AC 1-5), Classroom 114 (AC 1-6). Include rooftop ACU 1-1, ACU 1-2 and ACU 1-3.	
15700	2A	HVAC	Total cost for the Phase 2A HVAC work	
15700	2B	HVAC	Furnish and install the SYSTEM 2 new mini-split systems consisting of the ceiling cassettes, ceiling control boxes, refrigerant lines, control wiring and control wiring conduits, rooftop condensers, curbs, condensate lines, coring, fire stopping and all labor for the following rooms: Library 213 (AC 2-1), Classroom 212 (AC 2-2), Classroom 205 (AC 2-3), Classroom 209 (AC 2-4), Lounge 307 (AC 2-5) and Recreation 303 (AC 2-6). Include rooftop ACU 2-1, ACU 2-2 and ACU 2-3.	
15700	2B	HVAC	Total cost for the Phase 2B HVAC work	
15700	2C	HVAC	Remove the existing air handler at the basement location below the church office. Furnish and install a new AH-3 air handler and rooftop mounted condenser CU-1. Include all coring, cutting, and fire stopping. Reconnect new unit to old ductwork as indicated.	
15700	2C	HVAC	Total cost for the Phase 2C HVAC work	
16200	all	Electrical	All coring and cutting required to perform this work shall be performed as part of this contract. The patching will be done by others. Slab sleeving is also to be included.	
16200	all	Electrical	Fire safe and fire caulk any penetration that was created from the electrical work	
16200	all	Electrical	The owner will cover the cost of the general building and electrical permit.	
16200	all	Electrical	Provide conduit for the temperature control wiring that is to be installed by the HVAC contractor.	
16200	all	Electrical	Label existing panels with new circuits as required	
16200	all	Electrical	Engineering time to research and to route conduit to equipment and lighting	
16200	all	Electrical	Provide as-built drawings at the completion of all work.	
16200	all	Electrical	include the cost of all hoisting if required.	
16200	all	Electrical	Refer to the specifications on the drawings for the complete requirements of the work that should be included in the contract.	
16200	all	Electrical	Provide clean up of electrical debris, clean up to be done daily	
16200	all	Electrical	Make electric safe for demolition, (disconnects, wire removal, etc)	
16200	1	Electrical	Furnish and install all conduit, boxes, wire, trim rings, etc. for all power wiring	
16200	1	Electrical	Furnish and install all emergency lighting and exit lighting	

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CSI	Bid Phase	TRADE	ITEM		Total cost
16200	1	Electrical	Wire the new rooftop unit RT-1. Include the conduit for the temperature control wiring. The wiring and the thermostat will be furnished and installed by the HVAC contractor.		
16200	1	Electrical	The HVAC contractor will furnish and install all pipe portals on the roof for all condensers.		
16200	1	Electrical	Provide all power wiring and all low voltage conduit for the SYSTEM 3 new mini-split systems including power wiring of the ceiling cassettes, power wiring of the ceiling control boxes, control wiring conduits and power wiring of the rooftop condensers, coring, fire stopping and all labor for the Auditorium 001 consisting of eight ceiling cassettes AC 3-1 through AC 3-8 and the three rooftop condensers ACU 3-1, ACU 3.2 and ACU 3.3.		
16200	1	Electrical	Provide all power wiring and all low voltage conduits for the SYSTEM 4 new mini-split systems consisting of power wiring the ceiling cassettes, power wiring the ceiling control boxes, control wiring conduits, power wiring the rooftop condensers, coring, fire stopping and all labor for the Recreation Room 202 consisting of four ceiling cassettes AC 4-1 through AC 4-4 and the single rooftop condensers ACU 4-1.		
15700	1	Electrical	Disconnect the existing electrical at the Auditorium 001 to allow for the demolition contractor to complete the demolition work.		
16200	1	Electrical	Include temporary power and lighting. Include temporary 20 amp GFCI outlets during construction. Include temporary lighting as required by code.		
16200	1	Electrical	Furnish and install temporary lighting under the 80' long covered temporary walkway that will be installed along the north side of the building during construction. Include the removal of the lighting after the walkway is no longer required.		
16200	1	Electrical	Unload, inventory and install all light fixtures per the fixture schedule. Include installing all required lamps. Include all lighting at Auditorium 001, Recreation 202, Recreation 303, Vestibule 301, Storage 302 and 304, the bridge to the parking garage and the exterior areas shown on the drawings. The lighting fixtures are listed in section 16300 of this scope, and shall be furnished and delivered by the general contractor. Refer to the 16300 light fixture portion of this scope of work for a list of the fixtures.		
16200	1	Electrical	The Owner would like all of the hanging fluorescent fixtures at the Auditorium 001 to be dimmable, so please make the 'A' switch and the "b" switch dimmable. This is not shown on the drawings.		
16200	1	Electrical	Furnish and install all electrical service equipment per the riser diagram. The base work will be to furnish and install the modifications to the existing 1200 amp distribution panel and add the new 800 amp switch, then furnish and install the new HP1, HP1A, HP2 and HP3 breaker panels complete with the conduit, coring, fire stopping, wiring, and breakers. Note: The 1200 amp C/T, the 1200 amp distribution panel, the 800 amp C/T and the 800 amp distribution panel are all existing. The transformer and all conduit feeds to the two C/T cabinets are also existing.		
16200	1	Electrical	Furnish and install new breakers in existing distribution panels.		
16200	1	Electrical	GFI outlets at roof top equipment where indicated.		
16200	1	Electrical	Furnish and install all exit and emergency lighting.		
16200	1	Electrical	Furnish and install all new outlets, switches, dimmers, conduits, wiring, etc. at Auditorium 001, Recreation 202, Recreation 303, Vestibule 301 and the two third floor storage rooms 302 and 304.		
16200	1	Electrical	Remove and save the four (4) existing sconce lights in the Auditorium as shown on E1.0. Reinstall the same fixtures at the completion of the construction work.		
16200	1	Electrical	Electrical demolition in the first floor Toilet Room 106. Remove the existing light fixture on the wall and leave the existing rough - in. Install the new light fixture on the existing rough - in box.		
16200	1	Electrical	Furnish and install all new conduit as required for all new fire alarm devises.		

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16200	1	Electrical	Remove the existing junction box on the third floor vestibule in the elevator lobby at the garage bridge per sheet E1.2.	
16200	1	Electrical	Total cost for the Phase 1 Electrical Work	
16200	2	Electrical	Please provide one complete price to furnish and install the power wiring for the following: the two new hot water boilers P1 and P2, the two new air handlers AH-1 and AH-2 and Chiller CH-1. Include the coring, cutting, fire-stopping , and control wiring conduit (the wiring and controls will be by the HVAC contractor).	
16200	2	Electrical	Total cost for the Phase 2 Electrical Work	
16200	3	Electrical	Furnish and install pit light, GFI for the elevator sump pump, power to the elevator equipment, elevator dedicated telephone wire and 110 volt elevator lighting circuit	do not bid
16200	3	Electrical	Provide power wiring to all elevator equipment.	do not bid
16200	3	Electrical	Furnish and install the smoke detectors for the elevator recall system.	do not bid
16200	3	Electrical	Rework the existing lighting at Principal 103, Secretary 105, and Teacher's Lounge 104 area. Furnish and install new power, data	do not bid
16200	3	Electrical	All work associated with the elevator and the elevator shaft shall be considered Phase 3.	do not bid
16200	3	Electrical	Total cost for the Phase 3 Electrical Work	do not bid
16200	4	Electrical	Furnish and install power wiring for the new exhaust fan EF-1 at gym and EF-2 at the Storage Room at the northeast corner of the third floor.	
16200	4	Electrical	Furnish and install power wiring and control wiring conduits for LV1 & LV2 at gym.	
16200	4	Electrical	Total cost for the Phase 4 Electrical Work	
16200	2A	Electrical	Furnish and install the power wiring for the SYSTEM 1 new mini-split systems consisting of the power wiring of the ceiling cassettes, power wiring of the ceiling control boxes, refrigerant lines, control wiring conduits, power wiring of the rooftop condensers, coring, fire stopping and all labor for the following rooms: Music Room 121 (AC 1-1), Classroom 122 (AC 1-2), Classroom 115 (AC 1-3), Classroom 109 (AC-1-4), Kindergarten 217 (AC 1-5), Classroom 114 (AC 1-6). Include rooftop ACU 1-1, ACU 1-2 and ACU 1-3.	
16200	2A	Electrical	Total cost for the Phase 2A Electrical Work	
16200	2B	Electrical	Furnish and install the power wiring for the SYSTEM 2 new mini-split systems consisting of the power wiring of the ceiling cassettes, power wiring of the ceiling control boxes, control wiring conduits, power wiring of the rooftop condensers, coring, fire stopping and all labor for the following rooms: Library 213 (AC 2-1), Classroom 212 (AC 2-2), Classroom 205 (AC 2-3), Classroom 209 (AC 2-4), Lounge 307 (AC 2-5) and Recreation Room 303 (AC 2-6). Include rooftop ACU 2-1, ACU 2-2 and ACU 2-3.	
16200	2B	Electrical	Total cost for the Phase 2B Electrical Work	
16200	2C	Electrical	Provide and install power wiring for the new AH-3 air handler and rooftop mounted condenser CU-1. Include all coring, cutting, and fire stopping. Provide and install control wiring conduit (control wiring will be by the HVAC contractor).	
16200	2C	Electrical	Total cost for the Phase 2C Electrical Work	
16300	1	light fixtures	Fixture A and B: 12 - groups of Four - 4' long fluorescents on pendants for Auditorium 001 (48 - 4' fixtures total) including lamps. Note that these fixtures should be dimmable.	
16300	1	light fixtures	Fixture F: 8 - theater lights mounted to the truss in Auditorium 001 (truss by others)	
16300	1	light fixtures	Fixture D: 1 - Surface mounted flag light fixture for the Auditorium	
16300	1	light fixtures	Fixture E: 1 - Surface mounted light fixture for the north side of the Auditorium to illuminate the Jesus mural.	
16300	1	light fixtures	One - 30" wide wall mounted light strip for the toilet room 106 - this is not indicated on sheet E1.1	
16300	1	light fixtures	1 - Surface mounted 12" x 48" light fixture on the ceiling of the bridge (no letter designation for this.	

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16300	1	light fixtures	Fixture A and B: 6 - groups of three - 4' long fluorescents on pendants for Recreation 202 (18 - 4' fixtures total) including lamps	
16300	1	light fixtures	1 - 12' long track light and five heads on the east side of Recreation Room 202.	
16300	1	light fixtures	Total cost for the Phase 1 light fixtures	
16300	3	light fixtures	New lighting at Principal 103, Secretary 105, and Teacher's Lounge 104 area	do not bid
16300	3	light fixtures	Total cost for the Phase 3 light fixtures	do not bid
16500	1	Fire Alarm	Furnish and install duct detectors for RT-1 that services Classroom 208	
16500	1	Fire Alarm	New horn strobe in basement electrical room 007-B	
16500	1	Fire Alarm	New Horn strobe in basement Fan Room 012	
16500	1	Fire Alarm	Furnish and install a new fire alarm annunciator panel at the front entry per the E1.1 drawing. There is an existing conduit at that location that runs to the basement electrical area.	
16500	1	Fire Alarm	New Horn strobe in Recreation Room 202	
16500	1	Fire Alarm	Horn Strobe at Recreation Room 303.	
16500		Electrical	Extend existing fire alarm with new devices to new areas of construction	
16500		Electrical	Provide Fire Alarm drawing for approval by City and engineer	
16500	1	Fire Alarm	Add a horn strobe and a pull station in the Lobby 112 per sheet A1.1.	
16500	1	Fire Alarm	Total cost for the Phase 1 base Fire Alarm work	
16500	2	Fire Alarm	As an alternate price to the Phase 1 base work, provide a price to rework the existing fire alarm system and bring it up to today's codes. Rewire everything that is existing and connect it to a new addressable annunciator panel so that there will be only one panel for the new and existing portions of the building.	
16500	2	Fire Alarm	Total cost for the Phase 2 base Fire Alarm work	
16500	3	Fire Alarm	Furnish and install all smoke detectors and heat detectors related to the elevator work.	do not bid
175100	1	structural	furnish and install the new metal truss for the new theater lighting west of the stage in the Auditorium. Anchor the vertical supports of the truss to the underside of the concrete deck above (assume 3'-6" from the acoustical ceiling to the underside of the concrete deck).	