

SCOPE OF WORK

SCOPE OF WORK

The scope of work will include, but not be limited to the provision of all labor, equipment and materials as necessary for the following described below. Work is to be performed per all local building codes, in a safe and workmanlike manner. Site to be broom-swept at the end of each work day. Contractor is responsible for dumpsters and legal disposal, and temporary toilets. Weekly site meetings to be scheduled, or as-needed. Layout of interior wall partitions and electrical locations to be confirmed on site with architect and owner prior to construction.

A. Demolition

1. Children's Library: Remove miscellaneous partition enclosures and sheetrock at walls, prep for new insulation. (Existing Ceiling to Remain.)
2. Upper Vestibule and Stair Entry: Remove existing walls and suspended ceiling
3. Stair: Remove existing 6' wide stair, or retain and build over.
4. Lower Level Storage/Utility Rooms: Note existing ceiling is to remain.
5. Provide protection for all finished areas of work, including finished exterior siding, curtain wall, windows, etc.

B. Masonry and Miscellaneous Exterior Envelope

1. Relocate door to rear fire exit stair at upper level, in concrete masonry wall. Patch wall where removed.
2. Relocate door to rear courtyard exit at lower level, in concrete masonry wall. Install window at old door location, patch wall as required.
3. Install new interior windows at existing brick wall between stair and Children's Library
3. Existing truck bay garage door to be replaced with new insulated glass and metal automatic garage door: Powder-coated finish to match Forest Green of existing windows and curtain wall. Repair concrete sill and apron for insulated seal at opening. (14'wide x 12'high, install at existing opening)

C. Interior Framing

1. New interior 2"x4" at 16"o.c. wood partitions as indicated on drawings
2. Exterior masonry walls to be furred-out 2"x4" at 16"o.c.
3. Interior doors and windows per attached schedule.
4. Rebuild Stair to meet code, 48" wide, fir treads w/embedded skid strip. Finish to match floor at Children's Library.

D. Sprinkler Installation

1. Both floors of building to be fully sprinklered with a Dry Pipe type system, designed per NFPA-13 Light Hazard Occupancy
2. Sprinklers to run below existing ceilings at Children's Library and storage/utility rooms.

E. Electrical, Security, Data and Phone Wiring

1. Electrical System per drawings. Include all necessary Fire Alarms, Pull Stations, Emergency Lighting and horns and strobes, tie to existing fire alarm panel at utility room. Builder-level LED lighting throughout. Wire and install exhaust fans at restrooms.
2. Data cabling: wireless for library patrons, secure system at office and circ. desk. Patron computer stations at Main Library to be hard-wired.
3. IP Based Digital Phone System: 6 units
4. Digital Surveillance Camera System: at exterior entrances, and interior library locations. 12 Cameras
5. Burglar Alarm System: At exterior entrance doors. Provide allowance
6. Audio/Visual wiring at Meeting Room: projection and sound. To be determined; provide allowance for motorized screen, projector and 4 speakers

F. Plumbing

1. Plumbing for 4 bathrooms, sinks at 2 janitors closets, kitchenette and Children's Craft Room. Drinking fountains both floors. Exterior hose bibs.
- 2.. Channel concrete at Lower Lobby and rear vestibule as necessary to plumb new restrooms and kitchenette. Repair and patch concrete where channelled. Extend waste line to 5' beyond foundation. (tie-in to septic tank by others)
3. Relocate roof drains at Upper Level in ceiling, to run down exterior wall and out to graywater/gravel planter

G. Solar Hot Water

1. Rheem or equal domestic single-panel system, on south-facing roof above Children's Library. 80 gallon tank.

H. HVAC/Mechanical

1. Lower Level

- a. Meeting Room/Kitchenette:
 - i. Conventional multi-poised propane fired gas furnace, with DX coil, located in closet with condenser unit on roof.
 - ii. Assume single zone, 4 ton cooling /48,000 BTU/H heating.
 - iii. Energy recovery unit, static plate type, heat and humidity transfer, with air range of 375 to 1,575 CFM max, with motorized isolation dampers on both outside air and exhaust air airstreams. Installed in ceiling.
 - iv. Painted spiral metal duct supply in ceiling, with balancing dampers on all supplies, single point return on unit.
 - v. Kitchenette exhaust fans will be ducted to the exterior and discharged behind the elevator machine room.
- b. Exit Corridor and Storage Rooms:
 - i. Conventional multi-poised propane fired gas furnace with DX coil, located in closet, with condenser unit on roof.
 - ii. Assume single zone, 3 ton cooling /36,000 BTU/H heating.
 - iii. Energy recovery unit, static plate type, heat and humidity transfer, with air range of 100 to 200 CFM, with back draft dampers. Installed in ceiling.
 - iv. Rectangular metal duct, with supplies in storage spaces and returns in exit corridor.
- c. Lower Lobby/Bathroom:
 - i. Variable refrigerant flow (VRF) system with 4-way, in-ceiling cassettes in the Lobby ceiling, coupled with an outdoor condenser (heat pump with inverter driven compressors) for heating and cooling.
 - ii. Cassettes shall be installed with factory installed condensate pumps, grille kit,
 - iii. Assume single zone, 2 tons cooling/24,000 BTU/H heating.
 - iv. Bathrooms will have combo heat/exhaust fan/light with thermostat, and exhaust fan occupancy sensor.
 - v. Bathroom exhaust fans will be ducted to the exterior and discharged behind the elevator machine room.
- d. Lower Lobby Entrance Vestibule:
 - i. Ceiling mounted electric heater.
2. Upper Level
 - a. Children's Library, Main Library Floor, Office, Bathrooms, Conference Room, Teen Room
 - i. Variable refrigerant flow (VRF) system with 4-way, ceiling cassettes, in the ceilings of the various spaces, coupled with an outdoor condenser (heat pump with inverter driven compressors) for heating and cooling.
 - ii. Cassettes shall be installed with factory installed condensate pumps, grille kit,
 - iii. Energy Recovery Units (ERUs) shall be roof mounted and ducted to ceiling cassettes via small diameter round ductwork above ceiling.
 - iv. Assume multiple zones, with ducted outside air from ERUs, as follows:
 1. Children's Library, 3 tons cooling/36,000 BTU/H heating.
 2. Main Library Floor - Front, 3 tons cooling/42,000 BTU/H heating.
 3. Main Library Floor - Back, 3 tons cooling/36,000 BTU/H heating.
 4. Office, 1 ton cooling/9,000 BTU/H heating.
 5. Conference Room - 2 tons cooling/24,000 BTU/H heating.
 6. Teen Room, 2.5 tons cooling/36,000 BTU/H heating.
 - v. Energy recovery unit, static plate type, heat and humidity transfer, with air range of 200 to 565 CFM max, with motorized isolation dampers on both outside air and exhaust air airstreams. Installed in ceiling.
 - vi. Bathrooms will have combo heat/exhaust fan/light with thermostat, and exhaust fan occupancy sensor.
 - vii. Bathroom exhaust fans will be ducted to the exterior and discharged behind the elevator machine room.
 - b. Upper Entrance Vestibule:
 - i. Wall mounted electric heater. (Radiant Panel)
3. Miscellaneous Mechanical Notes
 - a. Gas furnaces shall have a minimum efficiency of 92% AFUE.
 - b. Concentric combustion air and exhaust gas flue to exterior of building.
 - c. DX Condenser units will have a minimum SEER of 16.
 - d. Gas Fired/DX units shall be Trane, Carrier, or Lennox, or similar.
 - e. VRF Heat Pump Units shall have a minimum IEEER of 20 (AHR).
 - f. VRF system shall be LG, Mitsubishi, or Trane, or similar.
 - g. Each furnace will be provided with a 7-day programmable thermostat, with heat/cooling mode switch and Fan/Off/Auto feature.
 - h. Each VRF zone shall be provided with a 7-day programmable thermostat, with heat/cooling mode switch and Fan/Off/Auto feature.
 - i. ERUs shall be as follows:
 - i. Interior - RenewAire - Model EV-200, HE1.5XINH
 - ii. Roof top - RenewAire - Model EV450RT ECM.
 - j. Electric vestibule heaters shall be Broan or equal.
 - k. Combo Exhaust Fan/Light Heaters shall be Broan or equal.
 - l. All line sets will be insulated with closed cell foam.
 - m. All duct work shall meet SMACNA standards.
 - n. All equipment installations shall be complete with curbs, hangers, vibration isolation, etc., as required and as necessary for complete installation..
 - o. All HVAC installations shall be in accordance with the current editions of the following codes:
 1. The New York State Building Code
 2. The New York State Mechanical Code
 3. The New York State Energy Code

H. Insulation

1. Existing Roof framing at Main Library to have closed-cell spray-foam insulation, 7"/R50 typical.
2. Exterior walls to have closed-cell sprayfoam insulation, minimum 3.5"/R30 typical. Refer to drawings for areas of work.
3. Interior Partitions to have 3" Roxul safe'n/sound batt insulation.

I. Drywall

1. Exterior and new interior walls to have 1/2" drywall, 3 coats tape, sanded smooth and paint-ready.
2. Ceiling areas to be drywall: cathedral/atrium space at Main Library, and Window Alcoves, at upper level, only.
3. Sheetrock underside of exposed rafters in Main Library prior to sprinkler installation.

J. Acoustic Ceilings

1. To be integrated with light fixtures, hvac units, and sprinkler heads
2. 2'x4' Architectural-grade, texture to be determined.

K. Interior Doors and Windows

1. Interior doors and windows to be natural wood, , clear finish. See Schedules
2. Hardware finish to be brushed chrome.

L. Trim and Finish Carpentry

1. All window, base and door trim to be 1"x4" Pine trim with clear finish, #2 grade, unless otherwise noted.
2. Install p.lam. counters with wood edge at Children's Library computer desk, approx. 8' and at Office, approx. 10'. Open shelf above office counter.
3. Install p.lam counter with wood edge as back-counter at circ. desk area
4. Build and install carpeted 5" platform at Reading Alcove in Children's Library.
5. Install Book Drop deposit inserts at front and rear entry vestibules: Kwik Drop Exterior #15-8951
6. Install Cork Bulletin Boards approx. 4'x8' w/natural oak frame at front and rear vestibules.
7. Install basic Kraftmaid cabinets, maple shaker-style recess doors, and p.lam. counters at Children's Library Craft Area (approx. 6 linear feet) and at Lower Level kitchenette (approx.12 linear feet)

M. Paint

1. Benjamin Moore paint throughout all interior public areas: primer and 2 finish coats, pearl finish
 - a. Provide 3'x3' samples on walls for approval prior to finish painting
 - b. Interior brick walls at teen room, stair and vestibule to remain natural: brush clean and wash, no finish
 3. Door, window and base trim to be clear polyurethane finish, both sides, 2 coats. Sand in between coats.
2. Exterior Rear Wall of Library, masonry wall facing parking lot, to be painted to match existing siding: Sherwin Williams #SW 7513 "Sanderling".

N. Flooring

1. Children's Library floor: existing wood strip floor to remain and be refinished, sand, stain and 3 coats satin poly. Craft Area 11'x15' to be marmoleum
2. Upper Level entry vestibules, stair hall, and bathrooms to be tiled: 12"x24" ceramic porcelain at floors. Bathroom walls to be tiled to 40" height: 12"x12" light gray with 4" bullnose.
3. Main Library and Meeting Rooms to be carpet tile.
4. Lower Lobby and Storage Rooms to be exposed concrete, washed, stained and sealed.

N. Metalwork

1. Handrails to be double-rail wall-mounted at interior stair, 1.5" diam., painted
2. Accordion-style retracting security gate at bottom of stair
3. Replace existing rear exterior fire stair at parking lot to Upper Level, with new suspended canopy roof above to match existing exterior details

O. Signage

1. Install signs as required for bathrooms, circ desk, etc.- (Provide Allowance. Signage to be determined)

P. Electrical Fixtures

1. Recessed fixtures at seating alcoves: 6" round LED downlight, with basic white trim. Lithonia LDN6 or equal
2. LED Panel lights at dropped ceiling: 24"x48". Lithonia 2BLT or equal
3. LED suspended linear fixtures at Meeting Room: 48", square aluminum housing. Lumenwerx Reven S1B LED
4. Track lights with LED heads at Lower Level Lobby gallery wall, and Meeting Room gallery wall. Juno or equal
5. Ceiling fan and 2 decorative chandelier lights at Main Library double-hl/cathedral ceiling
6. Mirror lights at all bathrooms
7. Exhaust fans at bathrooms, vent to outside (see HVAC specs)
8. Standard toggle light switches, ivory devices and cover plates. Gang wherever possible.

DOOR & WINDOW SCHEDULES

DOOR SCHEDULE

Note: All interior door finishes to be natural wood, clear satin poly finish. Hardware to be Schlage "Falcon" lever handles, brushed chrome.
All hardware, hinges, etc. to be brushed chrome finish. (Exterior doors to be Marvin commercial, baked alum. green finish to match existing)

No.	Location:Upper Level	Size WxH	Type	Finish	Hardware	Notes
1	Exit Stair/Vestibule	3'-8" x 6'-8"	Exterior Full Glass	Clad/Green	Pushbar	Exit door w/lock
2	Conference Room	3'-0" x 6'-8"	Wood/ Interior Full Glass	Clear	Passage	Key Lock
3	Teen Room	3'-0" x 6'-8"	Wood/ Interior Full Glass	Clear	Passage	At existing opening
4	W.C. 4	3'-0" x 6'-8"	Flush SC Birch	Clear	Privacy, w/Closer, Door stop	
5	W.C. 5	3'-0"x 6'-8"	Flush SC Birch	Clear	Privacy, w/Closer, Door stop	
6	Closet 1	3'-0" x 6'-8"	Flush SC Birch	Clear	Passage	Key Lock
7	Office	3'-0" x 6'-8"	Flush SC Birch	Clear	Passage	Key Lock
8	Office/Jan.Closet2	3'-0" x 6'-8"	Flush SC Birch	Clear	Privacy	
No.	Location:Lower Level	Size WxH	Type	Finish	Hardware	Notes
9	Exit Corridor/Courtyd.	3'-0" x 6'-8"	(Existing to be painted)	Steel/Pld/Green	Pushbar	(Relocate existing)
10	Utility/Elec. Room	3'-0" x 6'-8"	Flush Steel/louver	Painted	Passage	
11	Storage 1	(2) 3'-0"x6'-8"	Flush Steel/louver	Painted	Passage	6' pair, hinged door stops
12	Storage 2	(2) 3'-0"x6'-8"	Flush Steel/louver	Painted	Passage	6' pair, hinged door stops
13	Stair Closet	2'-6" x 6'-8"	Flush SC Birch	Clear	Passage	Verify height/opening size
14	Lobby/Rear Hall	3'-0" x 6'-8"	Flush SC Birch	Clear	Passage	
15	W.C. 2	3'-0" x 6'-8"	Flush SC Birch	Clear	Privacy, w/Closer,Door stop	Key Lock
16	W.C. 1	3'-0" x 6'-8"	Flush SC Birch	Clear	Privacy, w/Closer,Door stop	Key Lock
17	Lobby/Meeting Rm.	(2) 3'-0" x 6'-8"	Wood/Interior Full Glass	Clear	Passage,w/door stop.Lock	6'pair
18	Meeting Rm/Rear Hall	3'-0" x 6'-8"	Flush SC Birch	Clear	Passage,w/door stop.Lock	
19	Jan.Closet 1	2'-6"x 6'-8"	Flush SC Birch	Clear	Passage	
20	Closet 2	2'-6" x 6'-8"	Flush SC Birch	Clear	Passage	Key Lock
21	Kitchenette	(2) 4'-0" x 6'-8"	Wood panel doors	Painted/Green	Sliding Barn Track, black finish	

WINDOW SCHEDULE

No.	Location	Size WxH	Type	Lights	Notes
1.	Office - Interior Wall	24"x30"	Fixed	1	Natural wood, clear finish, 4" jamb for interior wall
2.	Office - Interior Wall	24"x30"	Fixed	1	"
3.	Office - Interior Wall	24"x30"	Fixed	1	"
4.	Office - Interior Wall	12"x80"	Fixed	1	"
5.	Stair/Children's Library	36"x64"	Double-Hung	6/6	Marvin Integrity to match adjacent, brick wall (verify size)
6.	Stair/Children's Library	36"x64"	Double-Hung	6/6	Marvin Integrity to match adjacent, brick wall (verify size)
7.	Storage Rm.1	36"x48"	Double-Hung	1/1	Exterior Marvin Integrity to match existing, masonry wall

*EXIT CORRIDOR -
AW OTHER WINDOWS AT INTERIOR OF BUILDING

INTERIOR FINISH SCHEDULE

INTERIOR FINISH SCHEDULE

Note: Benjamin Moore Pearl Finish typical. Provide 36"x36" samples on wall for approval prior to finish painting. Exposed Brick Walls to remain unpainted.

Location	Walls	Accent Wall	Ceiling	Trim	Flooring
Main Library	HC-81 Manchester Tan	-	Acoustic Tile (Dropped Ceiling)	Wood/pine/clear finish	Carpet Tiles: CarpetOne 20"x20" (Kraus Symmetry #7224-07/Bamboo Fence)
Office	HC-144 Palladian Blue	-	AT	Wd.	Carpet
Children's Library	HC-4 Hawthorne Yellow	-	AT	Wd.	Refinish exp. wood, mahogany stain
Conference Room	HC-45 Shaker Beige	-	AT	Wd.	Carpet
Teen Room	HC-81 Manchester Tan	2033-30 Green	AT	Wd.	Carpet
Vestibule 1	HC-81 Manchester Tan	-	AT	N/A	Exposed Concrete, clean, stain & seal
Vestibule 2	HC-81 Manchester Tan	Exposed Brick	AT	Wd.	Ceramic Tile: Lowe's 12"x24" (Style: Selections "Mitre Gray")
Stair	HC-81 Manchester Tan	Exposed Brick	AT	Wd.	Mahogany treads/ match Children's
Lower Lobby	HC-81 Manchester Tan	AT	Wd.	Wd.	Ceramic Tile "Mitre Gray"/medium dark
Meeting Room	HC-81 Manchester Tan	Sl. Doors: Forest Green	*No AT/dropped ceiling at Mtg Rm: Spray paint exposed ceiling and beams flat Black	AT	
W.C. 1	HC-7 BryantGold	Title lower wall: 12"x12"	AT	Wd.	Ceramic Tile "Mitre Gray" (Style: Selections Chilo Gray)
W.C. 2	2090-30 TerraCotta	Title lower wall: Chilo Gray	AT	Wd.	Ceramic Tile "Mitre Gray"
W.C. 3	HC-123 KennebunkGreen	Title lower wall: Chilo Gray	AT	Wd.	Ceramic Tile "Mitre Gray"
W.C. 4/Children's Storage/Utility	HC-152 WhippleBlue White	Title lower wall: Chilo Gray -	AT -	Wd. -	Ceramic Tile "Mitre Gray" *AT at exit corridor only. No AT/ dropped clg. inside stor. rooms: Spray paint flat Black

PLUMBING FIXTURE SCHEDULES

PLUMBING FIXTURES SCHEDULE

No.	Type	Manufacturer	Color	Notes	Quantity
T1	Toilet	American Standard 2989.101.020	white	elongated seat, concealed trap ADA compliant w/ soft-close seat	4
T2	Toilet	American Standard 2315.228.020B	white	"Baby Devoro" Children's height toilet w/seat	1
S1	Sink	American Standard 0356.921	white	"Lucerne" wall-mtd., ADA compliant, single-hole, trap valance	4
S2	Sink	Elkay DW5012522	s.stl.	"Dayton" drop-in single-bowl 25"x8", three-hole	2
S3	Sink	Kohler K-12787	white	"Gilford" wall-mtd. utility sink	1
S4	Mop Sink	ProFlo or equal	white	24"x24", floor mount basin w/drain	1
F1	Faucet	Grohe 32877000	chrome	"Eurosart" single-lever ADA compliant	4
F2	Faucet	Chicago Faucet W4D-L9E1369AB	chrome	swing-spout, 2-lever handle, deck-mtd.	2
F3	Faucet	Chicago Faucet 540-LDL12E1WXFABCP	chrome	chrome swing-spout, 2-lever handle, wall-mtd.	2
DF	Drinking Fountain	Halsey-Taylor #HRF-SEBP	s.stl.	Bi-level ADA Drinking Fountain, non-refrigerated, w/back plate	2
GB1	Grab Bar	Design House or equal 1.25" diam.	s.stl.	48", wall-mounted at 36"-ht. top of bar	4
GB2	Grab Bar	Design House or equal 1.25" diam.	s.stf.	36", wall-mounted at 36"-ht. top of bar	4

PLUMBING LOCATION SCHEDULE

Location	Toilet	Sink	Faucet	Accessories	Notes
W.C.1	T1	S1	F1	GB1, GB2	
W.C.2	T1	S1	F1	GB1, GB2	
W.C.3	T1	S1	F1	GB1, GB2	
W.C. 4/Children's	T2	S1	F1	GB2	
Children's Craft	-	S2	F2	-	White p.lam. counter
Kitchenette	-	S2	F2	-	White p.lam. counter
Janitor Cl.1	-	S4	F3	-	Floor drain
Jan.2/Staff W.C.	-	S3	F3	GB1	In-wall anchors and brackets for sink support

LINDA
MCNUTT, AIA

96 STICKLES ROAD
HUDSON, NY 12534
TEL: 518-851-7355

Claverack Free Library

Interior Renovations

Notes
Schedules

SCALE:

DATE: January 19, 2017

A6