BLOOMFIELD PUBLIC LIBRARY

MCMAHON WINTONBURY LIBRARY
1015 BLUE HILLS AVENUE, BLOOMFIELD, CT 06002

OCTOBER 7, 2022
DESIGN DEVELOPMENT

ARCHITECT
TSKP STUDIO
146 WYLlys STREET, BUILDING 1, SUITE 203
HARTFORD, CT 06106

CIVIL ENGINEER
SLR
99 REALTY DRIVE
CHESHIRE, CT 06410

STRUCTURAL
MICHAEL HORTON ASSOCIATES, INC.
151 MEADOW STREET
BRANFORD, CT 06405

MEP
RZ DESIGN ASSOCIATES, INC.
760 OLD MAIN STREET
ROCKY HILL, CT 06067

LANDSCAPE
RICHTER & CEGAN, INC.
AVON PARK NORTH P.O. BOX 567
8B CANAL COURT
AVON, CT 06405

DRAWING LIST

STRUCTURAL

P1.01 PLUMBING GENERAL INFORMATION
P1.02 FIRST FLOOR PLUMBING SUPPLY PLAN
P1.03 FIRST FLOOR PLUMBING DRAINAGE PLAN
P1.04 ROOF PLUMBING DRAINAGE PLAN
P3.01 PLUMBING DETAILS
P3.02 PLUMBING SUPPLY DETAILS
P3.03 PLUMBING SCHEDULE

MECHANICAL

M1.01 MECHANICAL GENERAL INFORMATION
M1.02 FIRST FLOOR MECHANICAL DEMOLITION PLAN
M1.03 ROOF MECHANICAL DEMOLITION PLAN
M1.04 FIRST FLOOR MECHANICAL SUPPLY PLAN
M1.05 MECHANICAL DRAINAGE PLAN
M2.01 MECHANICAL PART PLAN & ONE LINE PIPING DIAGRAM
M2.02 MECHANICAL DETAIL

ELECTRICAL

E1.01 LIGHTING PLAN
E1.02 POWER PLAN
E1.03 ROOF PLAN
E2.01 ELECTRICAL SCHEDULES
E2.02 PANEL SCHEDULES
E2.03 ELECTRICAL DETAILS

LANDSCAPE

L1.01 SITE ILLUSTRATIVE PLAN
L1.02 SITE PREPARATION PLAN
L1.03 SITE MATERIALS LAYOUT PLAN
L1.04 SITE GRADING PLAN
L1.05 SITE PLANTING PLAN
L1.06 SITE DETAILS
L1.07 SITE DETAILS
L1.08 SITE DETAILS
L1.09 SITE DETAILS
L1.10 SITE DETAILS

LOCATION PLAN

APPROVALS

PUBLIC WORKS

AGENCY

DATE

DATE
1. The intent of this drawing is to identify specific utility demolitions. However, the graphic information must be confirmed in the field.

2. The contractor is responsible for obtaining any and all permits for utility removal as well as scheduling any associated inspections.

3. The contractor is responsible for the protection, adjustment, and/or relocation of all utilities above and below grade as needed.

4. The contractor is responsible for the protection, adjustment, and/or relocation of all storm drain pipes, unless otherwise indicated.

5. Backfill and compact all areas of removed sub-surface utilities with structural fill.

6. All the remaining utility work shall be brought to the attention of the engineer for resolution.

7. All catch basin sumps should be inspected after construction completion and sediment removed. The sediment shall be disposed of in an approved location.

8. See plans provided by Richter and Cegan, Inc. for site removals.

9. See plans provided by MEP for all electrical and telecommunications removals.

10. All construction materials and methods shall conform to the Town of Farmington requirements and to the applicable sections of the State of Connecticut Department of Motor Vehicles and all Connecticut DOT and state codes for utility systems.
STORM WATER MAINTENANCE PROGRAM

A. CATCH BASINS/YARD DRAINS

1. Periodic maintenance shall be conducted to remove coarse sediment. All catch basins should be inspected two times per year, typically when the site is swept in the spring after winter sanding and in the fall after all the leaves have fallen. Site sweeping shall be provided between April 15 and May 15 each spring.

2. Sediment should be removed when it extends to within 6 inches of the outlet pipe invert or less than once per year. Cleanout with a vacuum truck is generally the best and most effective method of removing sediment.

B. STORMWATER BASINS

1. Stormwater basins shall be swept on an annual basis. Sweeping should occur in the spring. Inspections shall be conducted during wet weather to determine if the basin is meeting the targeted performance.

2. Correct deformation, such as cracks, from subside, erosion of the embankment, accumulation of sediment around the outlet; the adequacy of upstream/downstream channel erosion control measures; and modifications to the basin or its contributing watersheds that may influence basin performance. Inspections should be carried out with design plans in hand.

3. Debris and litter removal: Debris and litter will accumulate near the outlet control device and should be removed during regular inspection and/or mowing operations. Particular attention should be paid to floatable debris that could eventually clog the control device. The sediment shall be disposed of in an approved off-site location in accordance with town and state requirements. The disturbed area should be immediately seeded with fertilizer should be minimized and applied using prudent application processes.

4. The purpose of the stormwater basin is to reduce the velocity of water entering the basin and to increase the retention time of water in the basin, allowing for settling of coarse sediment. The basin height should be measured. More frequent spot cleanouts may be needed around the outlet control device or the sediment forebay. Sediment removal operations are relatively simple. Front-end loaders, backhoes, or vacuum trucks can be used to remove the accumulated sediment.

C. LAWN AND VEGETATED AREAS

1. Lawn and vegetation areas shall be maintained to improve water quality. Pesticides should be used sparingly and only when necessary. Fertilizer should be minimized and applied using prudent application processes.

2. Landscaping and irrigation should be designed to minimize the amount of water that must be applied to the site. Irrigation systems should be designed to deliver water to the ground surface and avoid excessive runoff.

3. Vegetation should be selected to provide erosion control and to reduce the amount of sediment that enters the stormwater system. Vegetation should be selected to provide erosion control and to reduce the amount of sediment that enters the stormwater system. Vegetation should be selected to provide erosion control and to reduce the amount of sediment that enters the stormwater system.
SOIL EROSION AND SEDIMENT CONTROL NARRATIVE

1. PURPOSE AND DESCRIPTION OF PROJECT
   A.) RENOVATION OF AN EXISTING LIBRARY.
   B.) DISTURBED AREA: ±1.6 AC.

2. IDENTIFICATION OF EROSION AND SEDIMENT CONTROL CONCERNS
   A.) CUTS AND FILLS ASSOCIATED WITH CONSTRUCTION.

3. IDENTIFICATION OF OTHER POSSIBLE PERMITS
   THE PERMITS REQUIRED FOR THE PROJECT ARE PLANNING AND ZONING PERMITS

4. RESPONSIBLE PARTY
   TBD

NRCS SOIL TYPES

<table>
<thead>
<tr>
<th>NRCS SOIL TYPES</th>
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<tbody>
<tr>
<td>9 SCITICO, SHAKER, MAYBID SOILS</td>
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<tr>
<td>28B ELMRIDGE FINE SANDY LOAM, 3-8% SLOPES</td>
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<tr>
<td>36B WINDSOR LOAMY SAND, 3-8% SLOPES</td>
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<td>306 UDORTHENTS - URBAN LAND COMPLEX</td>
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EROSION CONTROL LEGEND

- Erosion Control Structure
- Sediment Containment Devices
- Drainage Ditch
- Crushed Stone Driveway
- Disturbed Area (± 1.6 AC.)

Sediment and Erosion Control Measures as Depicted on These Plans and Described Within the Sediment and Erosion Control Narrative Shall Be Implemented and Maintained Until Permanent Cover and Stabilization Is Established. All Sediment and Erosion Control Measures Shall Conform to the “Guidelines for Soil Erosion and Sediment Control, Connecticut - 2002, Town of Bloomfield Standards, and In All Cases Best Management Practices Shall Prevail.”

NO. DATE

10/06/2022

STATE PROJECT:

DRAWN BY:
CHECKED BY:

1015 BLUE HILLS AVE.
BLOOMFIELD, CT 06002

BLOOMFIELD PUBLIC LIBRARY RENOVATIONS & ADDITIONS
MCMAHON WINTONBURY LIBRARY RENOVATIONS & ADDITIONS

MUGLE AVENUE
ROCKWELL AVENUE

124
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1015 BLUE HILLS AVE.
BLOOMFIELD, CT 06002

10/06/2022

220103

DRAWING TITLE

KEY PLAN

BLOOMFIELD PUBLIC LIBRARY
MCMAHON WINTONBURY LIBRARY ADDITIONS & RENOVATIONS

PROJECT DESIGN DEVELOPMENT

99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM
SEDIMENT AND EROSION CONTROL SPECIFICATIONS

GENERAL:
MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT. IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT STORM SEWER STRUCTURE AS NEEDED

a. THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).

b. THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO TEMPORARY VEGETATIVE COVER:

* PERMANENT VEGETATIVE COVER:

DUTCH WHITE CLOVER (TRIFOLIUM REPENS) 1/4 LBS PER 1000 SF. OR 6LBS/AC.

BARON KENTUCKY BLUEGRASS 30%

f. NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, EROSION.

5. SOLUBLE SALT CONTENT OF LESS THAN 400 PPM IS REQUIRED.

APPLICATION:
GENERAL:

3. APPLY SOIL AMENDMENTS AS FOLLOWS:

LIME: ACCORDING TO SOIL TEST OR AT THE RATE OF 1 TONS PER ACRE. ROCK DUST: ACCORDING TO SOIL TEST OR AT THE RATE OF 1 TONS PER ACRE BROKEN OR CRUSHED BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO FEET (2').

1. SELECT APPROPRIATE SPECIES FOR THE SITUATION. NOTE RATES AND SEEDING CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES.

4. AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT AREAS WHERE IT IS IMPORTANT TO GET A QUICK VEGETATIVE COVER TO PREVENT COLORED SUBSOIL MATERIAL.

5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO TEMPORARY MAINTENANCE SPECIFICATIONS. (SEE VEGETATIVE COVER SELECTION & MULCHING RATES WHEN HYDROSEEDING.

APPLICATION:
GENERAL:

CONSTRUCTION:

SITE PREPARATION:

1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.

2. BALED HAY EROSION BARRIERS AND GEOTEXTILE FENCE SHALL BE INSTALLED AT TEMPORARY SOIL STOCKPILE

3. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS.

4. COVER GRASS AND LEGUME SEED WITH NOT MORE THAN 1/4 INCH OF SOIL WITH MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO TEMPORARY MAINTENANCE SPECIFICATIONS. (SEE VEGETATIVE COVER SELECTION & MULCHING RATES WHEN HYDROSEEDING.

MAINTENANCE:

CONSTRUCTION ENTRANCE PAD

FILTER FABRIC TUCKED HAY Bale INSTALLATION SEDIMENT FILTER FENCE INSTALLATION

INLET PROTECTION BUT TO SCALE

INLET PROTECTION BUT TO SCALE

CONSTRUCTION ENTRANCE PAD 4' THICK CROSSED SLOW

TEMPORARY SOIL STOCKPILE

EROSION CONTROL MAINTENANCE INTERVALS

<table>
<thead>
<tr>
<th>MEASURE</th>
<th>CONTROL OBJECTIVE</th>
<th>INSPECTION/MAINTENANCE</th>
<th>FAILURE INDICATORS</th>
<th>REMOVAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>FILTER FABRIC TUCKED</td>
<td>INTERCEPT, AND REDIRECT/DETAIN</td>
<td>EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE- REPETITIVE FAILURE</td>
<td>FROM EXCESSIVE WATER FLOW.</td>
<td></td>
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<tr>
<td>BALED HAY EROSION BARRIERS</td>
<td>PROHIBIT SILT IN CONSTRUCTION-RELATED RUNOFF</td>
<td>EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE- REPETITIVE FAILURE</td>
<td>FROM EXCESSIVE WATER FLOW.</td>
<td></td>
</tr>
<tr>
<td>INLET PROTECTION (IP)</td>
<td>INTERCEPT, AND REDIRECT/DETAIN</td>
<td>EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE- REPETITIVE FAILURE</td>
<td>FROM EXCESSIVE WATER FLOW.</td>
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<tr>
<td>SEDIMENT FILTER FENCE</td>
<td>INTERCEPT, AND REDIRECT/DETAIN</td>
<td>EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE- REPETITIVE FAILURE</td>
<td>FROM EXCESSIVE WATER FLOW.</td>
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</tr>
<tr>
<td>GEOTEXTILE FABRIC</td>
<td>INTERCEPT, AND REDIRECT/DETAIN</td>
<td>EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE- REPETITIVE FAILURE</td>
<td>FROM EXCESSIVE WATER FLOW.</td>
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</tr>
</tbody>
</table>
1. Where ledge is encountered, over excavate by 2 feet and replace with 18" of soil and 6" of topsoil. Topsoil in the bottom of all basins is to be 6" deep and 6% minimum or organic content.

4. Moisture control areas. Fill material shall contain no frozen material, sod, brush, roots, or other organic requirements of Section 5, "Compaction of Embankment." When necessary, moisture shall be added by use of approved sprinkling equipment. Water shall be added uniformly and

C. In diameters. Temporary conduit for trenches (trench width between 6" and 12")

D. During construction, the surface of the fill shall have a crown or cross-slope of not less than two percent. Each layer or lift shall extend over the entire area of the fill.

3. The embankments shall be constructed to the elevations, lines, grades and cross-sections as shown on the drawings. The embankments shall be maintained in a

E. Rainfalls which increase the moisture content beyond the limit of satisfactory compaction. The earth fill shall be brought up uniformly and its top shall be kept

F. F. Glacial till shall follow the following gradation limits:

<table>
<thead>
<tr>
<th>U.S. STANDARD</th>
<th>PERCENTAGE PASSING</th>
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<tbody>
<tr>
<td>SIEVE SIZE</td>
<td>BY WEIGHT</td>
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<tr>
<td>No. 4</td>
<td>60-95</td>
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<tr>
<td>No. 100</td>
<td>20-65</td>
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<tr>
<td>No. 200</td>
<td>10-40</td>
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</tbody>
</table>

Backfill shall be compacted by hand tamping with mechanical tampers. Heavy equipment shall not be operated within two feet of any structure. Equipment shall not be

D. Earth fill damaged by washing shall be acceptably replaced by the contractor.

5. Compaction quantities required for completion. Fill to be approved by the engineer. Glacial till shall

G. During renovations, detention basins shall be placed in horizontal layers not to exceed three inches in thickness and shall be brought up uniformly around the outlet pipe and flared end section.
STORM DRAINAGE EASEMENT
SEE NOTE #___
SANITARY SEWER EASEMENT
SEE NOTE #___
AREA
149,531 S.F.
3.433 Acres

ROCKWELL AVENUE
BLUE HILLS AVENUE (ROUTE 187)

RENOVATED LIBRARY BUILDING
NEW ADDITION
FFE: 125.0'
PARKING
38 SPACES
EXISTING WOODS TO REMAIN

EXISTING WOODS TO REMAIN

CHILDREN'S LEARNING GARDEN
GATHERING AREAS
EXISTING TWO STEM 6" MEMORIAL DOGWOOD VEGETATIVE BUFFER
EXISTING 15" SYCAMORE SHRUB/GROUND COVER PLANTING (TYP.)
LAWN
CONCRETE WALK (TYP.) AND CURB RAMP
TRANSPLANTED MEMORIAL CHERRY

SITE ILLUSTRATIVE PLAN LEGEND

RENOVATED LIBRARY BUILDINGS
NEW ADDITION
EXISTING CONCRETE PAVEMENT
CONCRETE PAVEMENT
HEAVY DUTY CONCRETE PAVEMENT
GRAVEL
LAWN
WATER QUALITY BASIN
SHRUB/GROUND COVER PLANTING
EXISTING TREE (DECIDUOUS)
EXISTING TREE (EVERGREEN)
TRANSPLANTED FLOWERING TREE
PROPOSED SHADE TREE
SMOKE DETECTOR
ROOF OVERHANG
YARD ESTIMATES
PROPERTY LINE

DEVELOPMENT SUMMARY
PARCEL SIZE: ±3.43 Ac
ZONE: GWD
PARKING: 38 TOTAL
STANDARD: 34
ACCESSIBLE: 2
ACCESSIBLE EV: 2

SCALE: 1" = 20' - 0"

TSKP STUDIO
DESIGN DEVELOPMENT

DEVELOPMENT DESIGN
PARCEL SIZE: ±3.43 Ac
ZONE: GWD
PARKING: 38 TOTAL
STANDARD: 34
ACCESSIBLE: 2
ACCESSIBLE EV: 2

SCALE: 1" = 20' - 0"

McMAHON WINTONBURY LIBRARY ADDITIONS & RENOVATIONS
BLOOMFIELD PUBLIC LIBRARY
BLOOMFIELD, CT 06002

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DRAWING TITLE
KEY PLAN

ISSUE DATES
NO.
DATE
SCALE
STATE PROJ NO.
DRAWN BY:
CHECKED BY:

 purposely placed - 20' - 0"
SITE MATERIALS/LAYOUT LEGEND

BITUMINOUS CONCRETE PAVEMENT
CONCRETE PAVEMENT
HEAVY DUTY CONCRETE PAVEMENT
STONE SURFACING
VAN ACCESSIBLE PARKING SIGN
PROPERTY LINE

SITE MATERIALS/LAYOUT NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY IN THE FIELD ALL ELEVATIONS, UTILITY LOCATIONS AND SITE CONDITIONS. IF ANY UTILITY OR STRUCTURE IS FOUND TO EXIST WHICH IS NOT SHOWN ON THE DRAWING, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT SO THAT THE APPROPRIATE AMENDMENTS CAN BE MADE PRIOR TO CONSTRUCTION.
2. STRIPES ON CONCRETE WALKS OR PAVEMENT ARE FOR GUIDANCE ONLY, AND THEIR USE CONSTRUCTION SHALL BE ALTERED TO THEIR ORIGINAL CONDITION.
3. ALL MATURED AND IMMATURED STONE SURFACES ARE TO BE PLANED PERPENDICULAR TO THE MAXIMUM KICK AT THE CENTER LINE, THEN MEASURED PERPENDICULAR TO THE MAXIMUM KICK AT THE CENTER LINE.
4. ALL PARKING SPACES ARE 9' X 20' UNLESS OTHERWISE INDICATED.
5. ALL PARKING LOT LINES ARE 4" WHITE REFLECTORIZED PAINT.
ENCLOSURE GATE

1. Accessible parking spaces shall be in accordance with ADA and other appropriate codes and standards.

2. Provide concrete walk pad under bench, 3'-0" wide, 3'-0" long, 3'-0" from front of bench.

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20. Provide concrete walk pad under bench, 3'-0" wide, 3'-0" long, 3'-0" from front of bench.

NOTES:
1. Located side by each accessible space. Order deck on office level shown otherwise.

2. Accessible parking spaces shall be in accordance with ADA and other appropriate codes and standards.

3. Location of elements shall be in accordance with ADA and other appropriate codes and standards.

4. Remodel area shall be in accordance with ADA and other appropriate codes and standards.

5. Location of elements shall be in accordance with ADA and other appropriate codes and standards.

6. Location of elements shall be in accordance with ADA and other appropriate codes and standards.

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20. Location of elements shall be in accordance with ADA and other appropriate codes and standards.
CONNDOT DETAILS

VARIES

JP/RM

MC

NOTE:

1. CONNDOT DETAILS INCLUDED FOR WORK TO BE DONE WITHIN STATE RIGHT OF WAY.

2. REFER TO MOST RECENT CTDOT STANDARD DETAILS AT TIME OF CONSTRUCTION.

DRAWING TITLE

KEY PLAN

BLOOMFIELD PUBLIC LIBRARY

McMAHON WINTONBURY LIBRARY

ADDITIONS & RENOVATIONS

1015 BLUE HILLS AVE.

BLOOMFIELD, CT 06002

PURPOSE

ISSUE DATES

NO.

DATE

STATE PROJ NO.

DATE:

PROJECT NO.

DRAWN BY:

CHECKED BY:

PROJECT DESIGN DEVELOPMENT

LANDSCAPE ARCHITECT

8B CANAL COURT

P.O. BOX 567

AVON, CT 06001

PHONE: 860-678-0669

Y:\2022002\3DESDEV\Details\2022002L-504.dwg  10/05/2022  10:05:00  AM    jperacchio

GENERAL NOTES:

1. CONNDOT DETAILS INCLUDED FOR WORK TO BE DONE WITHIN STATE RIGHT OF WAY.

2. REFER TO MOST RECENT CTDOT STANDARD DETAILS AT TIME OF CONSTRUCTION.

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1. CONNDOT DETAILS INCLUDED FOR WORK TO BE DONE WITHIN STATE RIGHT OF WAY.

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CONNDOT DETAILS

VARIES

JP/RM

MC

L-505

DRAWING TITLE

KEY PLAN

BLOOMFIELD PUBLIC LIBRARY

McMAHON WINTONBURY LIBRARY ADDITIONS & RENOVATIONS

1015 BLUE HILLS AVE.

BLOOMFIELD, CT 06002

NOTE:

1. CONNDOT DETAILS INCLUDED FOR WORK TO BE DONE WITHIN STATE RIGHT OF WAY.
2. REFER TO MOST RECENT CTDOT STANDARD DETAILS AT TIME OF CONSTRUCTION.
CONNDOT DETAILS INCLUDED FOR WORK TO BE DONE WITHIN STATE RIGHT OF WAY.

REFER TO MOST RECENT CTDOT STANDARD DETAILS AT TIME OF CONSTRUCTION.
1. See Mech. / Elec. / Plumbing / Abatement drawings for additional demolition information, trenching, and cutting related to new M.E.P systems.

2. All information on demolition plans have been completed from existing drawings and limited field observations. The contractor shall verify all existing conditions and coordinate demolition with all new construction and with all trades. No attempt has been made to illustrate all required demolition. The contractor is ultimately responsible for all demolition necessary to complete the work.

3. Provide steel lintels per structural dwgs at new openings in existing masonry walls as required.

4. The contractor shall be responsible to patch & repair all existing work disturbed by demolition activities in a manner that result in a complete and finished product. This patch & repair includes all finishes needed to match adjacent surfaces.

5. If a wall or surface has been worked on, that wall or surface shall be patched & repaired with a complete finish, to the nearest corner, change of plane or other juncture which allows for smooth & clean transition from newly finished surface to the surrounding existing surface; i.e., the intent is to eliminate the appearance of a patched condition.

6. It is not the intent to show every piece or item to be removed in demolition work. Mechanical, electrical, and other work related to a wall or area scheduled for demolition and removal shall be performed whether so noted or not.

7. Patch and repair any existing ceiling, flooring and/or wall finishes damaged during the insulation of new wall, piping, ductwork, or under this project.

8. Demol include full tear up of roof down to existing structure.

General Demol Notes

- Remove wall as indicated
- Remove door and frame
- Remove window
- Remove casework
- Remove flooring down to concrete slab
- Remove base
- Remove plumbing fixture, cap associated piping at nearest main, see plumbing demo dwgs
- Remove marker board and turn over to the owner
- Remove bulletin board and turn it over to the owner
- Remove smart board and turn it over to the owner
- Remove TV and TV mount, and turn it over to the owner
- Remove curtain wall frame and glass
- Remove ceiling, lights and fixtures
- Remove lockers
- Remove kitchen equipments
- Add Alt: Create openings within existing masonry walls for windows

Demolition Key Notes

- keyed demolition note symbol
- existing construction to be removed
- existing construction to remain
- existing areas where demolition work to be done

Demolition Plan Legend

- key plan
- drawing title
- state proj. no.
- proj. no.
- scale
- date
- drawn by
- approved by

Project

- 10/7/2022 6:45:25 AM

As indicated

220103

10/07/22

D1.01
**Exterior Elevation Notes:**

1. All exterior windows are Storefront (ST) unless otherwise noted. Refer to A0.01 for more information.

**Key Plan:**
- Existing metal panel
- New fascia
- New clerestory
- New wall curb on top of extension
- New exterior signage
- Modified existing wall parapet
- HPL wood siding
- Bluestone top bench with HPL wood siding
- Book drop

**Drawing Title:**
- Bloomfield Public Library
- McMahon Wintonbury Library
- 1015 Blue Hills Ave, Bloomfield, CT 06002

**Project:**
- DSN Development

**Key Plan:**
- DSN Development
- McMahon Library

**State Project No.:**
- 220103

**Issue Dates:**
- 10/07/22

**Approver:**
- McMahon Wintonbury Library

**Author:**
- McMahon Wintonbury Library

**References:**
- A3.01

**Drawing Sheet:**
- A3.01

**Scale:**
- 1/8" = 1'-0"
ADULT ROOM ROOF
- SINGLE PLY ROOF,
- 1/2" PROTECTIVE BD,
- 5" RIGID INSUL.,
- METAL DECK

ADULT ROOM ROOF
- METAL DECK
- SINGLE PLY ROOF,
- 1/2" PROTECTIVE BD,
- 5" RIGID INSUL.

ROOF OVERHANG CEILING
- MTL STUDS FRAMING,
- 5/8" EXT. GYP.

ROOF AD
- DIRECT APPLIED FINISH

OVERHANG CEILING
- MTL STUDS FRAMING
- 5/8" EXT. GYP.

ALUMINUM CURTAIN WALL SYSTEM (2 1/2" X 8" STEEL REINFORCED MULLION)

CLERESTORY, FRITTED GLASS IN 4 1/2" ALUMINUM FRAMING

HSS COLUMN BEYOND 17'

LINEA WOOD GRILLE SYSTEM ON MTL STUDS FRAMING

EXISTING MASONRY WALL CUT OUT ON EXISTING BRICK WALL FOR MECHANICAL & PLENUM BOX DUCTWORK

RADIANT HEATING

ALUMINUM LINEAR GRILLE & PLENUM BOX GRILLE

HPL INTERIOR WD PANEL ON Z-CLIPS

LINEAR GRILLE

HPL WD SIDING ON CLAMPS

CMU 3" RIGID INSULATION

3/32" STEEL BACKING PLATE

5/8" GYP. ON MTL STUDS FRAMING

WATER RESISTANT BARRIER

HPL WD PANEL ON Z-CLIPS

PROJECT BUILT IN

BOOKCASES

8" MTL STUDS FRAMING W/ BATT INSULATION

- 5/8" GYP. FINISH

HPL WOOD EXTERIOR WALL ASSEMBLY

BUILT-IN BOOKCASES

FRITTED GLASS}

2 1/2" BLUESTONE BENCH TOP

HPL WD SIDING ON CLAMPS

ALUMINUM J CHANNEL

MTL ANGLE COLUMN BEYOND LEVEL 1

BENCH SEAT ON EXTERIOR SIDE

SILICONE BUTT JOINT BETWEEN GLAZING PANELS

DSN DEVELOPMENT

2 1/2" BLUESTONE MTL ANGLE

SEALANT

VENT SCREEN

HPL INTERIOR WD PANEL ON Z-CLIPS

ALUMINUM J CHANNEL

2" RIGID INSULATION

EXTENDS 4'0" HORIZONTALLY

HPL WD SIDING ON CLAMPS

ALUMINUM LINEAR GRILLE

MTL ANGLE COLUMN

2" RIGID INSULATION

EXTENDS 4'0" HORIZONTALLY

HPL WD PANEL ON Z-CLIPS
BUILT IN MILLWORK STORAGE,
WORKSURFACE BELOW
2' - 10"
RECESSED ART RAIL
15' - 6"
9' - 6"
5' - 2 5/8"
7' - 0"
CUSTOM RECESSED
ROLLING DOOR
9' - 6"
14' - 6"
PRINTED VINYL GRAPHIC
14' - 6"
AWP
6' - 0"
27' - 0"
CUSTOM MILLWORK CIRCULATION
DESK WITH BUILT IN STORAGE
BUILT IN MILLWORK STORAGE,
WORK SURFACE
2' - 10"
HARDWOOD
WORK SURFACE
5' - 2"
UNLESS OTHERWISE NOTED IN INTERIOR ELEVATIONS:

- **CLR OPENING:** 30" MIN.
- **2' - 10"** CLR. OPENING
- **27" MIN.**
- **PLASTIC LAMINATE TOP & BACKSPLASH WITH POSTFORMED EDGE**
- **WOOD VENEER DOOR & DRAWER FRONTS WITH 3MM PVC EDGE TYP @ ALL SIDES**
- **SATIN STAINLESS WIRE PULLS**
- **WALL BASE**
  - **MELAMINE INTERIOR**
  - **4" TYP**
- **3" TYP**
- **ADJ SHELVES**
  - **PLASTIC LAMINATE W 3MM PVC ALL SIDES**

**ADA CLEARANCE SHOWN SHADED**

**WOOD VENEER TO MATCH CABINET FACES**

**WOOD VENEER APRON W/3MM PVC EDGES AT 34" H COUNTERS ONLY**

**PLASTIC LAMINATE TOP & BACKSPLASH WITH POSTFORMED EDGE**

**UNLESS OTHERWISE NOTED IN ELEVATIONS:**

- **2' - 10"**
- **4" TYP**
- **3" TYP**
- **2' - 4"**
- **6"**
- **1 1/2"**
- **2' - 6"**
- **1' - 1"**

**PROVIDE BLOCKING AS REQUIRED**

**DISTANCE TO FLOOR NOT TO EXCEED 56"**

**ADJUST CABINET HT AS NECESSARY**
SATIN STAINLESS WIRE PULL W/ SATIN FINISH (TYP)

WOOD VENEER DRAWER FRONTS W 3MM PVC EDGES

WOOD BASE (TYP)

PLASTIC LAMINATE SURFACE WITH SOLID WOOD EDGE

1' - 0"

11"

9 1/4"

PROVIDE FRONT-TO-BACK RAILS, TYPICAL AT ALL FILE DRAWERS

1 3/4"

1/2"

1' - 9 3/4"

TYP

1/2"

1/2"

1' - 0"

1' - 0"

1' - 0"

1' - 0"

1' - 9 3/4"

1/2"

LED LIGHTSTRIP GROMMET

3' - 6"

2' - 6"

4"

1 3/4"

WOOD VENEER FACE W SOLID WOOD EDGES

WOOD VENEER FACE W SOLID WOOD EDGES

PLASTIC LAMINATE SURFACE WITH SOLID WOOD EDGE

1 3/4"

1 3/4"

1/2"

LEVEL 1

0' - 0"

LEVEL 1

0' - 0"

CIRCULABA

HARDWOOD TOP

VINYL GRAPHIC SIGNAGE ON PTD PLYWOOD BEYOND WOOD SLATS

HARDWOOD CAP PTD PLYWOOD ACCENT

LED STRIP LIGHT

LOCKABLE CABINET DOORS

ENGINEERED WOOD STORY STEPS

ACOUSTIC WALL PANEL PTD PLYWOOD ACCENT

HARDWOOD AT EXPOSED EDGES, TYPICAL

PLASTIC LAMINATE SURFACE WITH SOLID WOOD EDGE, TYPICAL

PLASTIC LAMINATE SURFACE WITH SOLID WOOD BASE

HARDWOOD VENEER DESK SURFACE

WOOD FINISH AT PERIMETER PTD PLYWOOD ACCENT

LED STRIP LIGHT

HARDWOOD CAP SLANTED PLYWOOD

INTEGRATED LINEAR SUPPLY GRILLE

As indicated

220103

10/07/22

A9.02

BLOOMFIELD PUBLIC LIBRARY
McMAHON WINSTONBURY LIBRARY
1015 BLUE HILLS AVE.
BLOOMFIELD, CT 06002

DSN DEVELOPMENT

MILWORK DETAILS

Approver

1 1/2" = 1'-0" 7CW - SECTION AT RECEPTION DESK

NOTE: CONTRACTOR TO ABIDE BY AWI STANDARDS FOR CUSTOM GRADE CABINETS.

ECONOMY GRADE SHALL NOT BE ACCEPTED

ISSUE DATES NO. DATE PURPOSE

1/2" = 1'-0" 4CIRCULATION DESK PLAN

1/2" = 1'-0" 5CIRCULATION DESK ELEVATION

1 1/2" = 1'-0" 10 STORY STEPS DETAIL

1 1/2" = 1'-0" 1CW - TYP DESK SECTION @ OPEN SHELVES

1 1/2" = 1'-0" 2SECTION DETAIL @ ADULT CASEWORK
**REMARKS:**

1. COILING SECURITY GRILLE
2. THIS DOOR IS AN ALTERNATE. SEE PLAN FOR ALTERNATE NUMBER.
3. EXISTING FLOORING MATERIAL TO BE PATCHED, VERIFY IN FIELD FOR THE THRESHOLD CONDITION
4. DOOR HAS A CARD READER
5. CONTACTS
6. SOUND SEAL
7. VERIFY EXISTING MASONRY OPENING DIMENSIONS
8. DOOR SIZE AND FRAME DETAILS ARE TO BE V.I.F
9. FOLDING PARTITION POCKET DOOR, SEE 7/A4.34 FOR DETAILS.
10. KNURLED HANDLE
11. NO LOCKING HARDWARE
12. EXIT ONLY
13. 1" DOOR UNDERCUT

---

**DOOR AND FRAME SCHEDULE**

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>SIZE</th>
<th>HEAD DETAIL</th>
<th>JAMB DETAIL</th>
<th>SADDLE DETAIL</th>
<th>FIRE RATING (MINUTES)</th>
<th>HARDWARE - SEE SPECIFICATIONS</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>104A</td>
<td>3' - 0&quot; 7' - 9 7/8&quot;</td>
<td>GLASS ALUM</td>
<td>GLASS ALUM</td>
<td>GLASS ALUM</td>
<td>120</td>
<td>INTER. SYMBOL OF ACCESSIBILITY SIGNAGE REQUIRED</td>
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<tr>
<td>104B</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
<td>WOOD WOOD</td>
<td>WOOD WOOD</td>
<td>WOOD WOOD</td>
<td>120</td>
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<tr>
<td>105</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
<td>WOOD WOOD</td>
<td>WOOD WOOD</td>
<td>WOOD WOOD</td>
<td>120</td>
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<tr>
<td>106</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
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<td>WOOD WOOD</td>
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<tr>
<td>108</td>
<td>3' - 0&quot; 6' - 10 7/8&quot;</td>
<td>GLASS ALUM</td>
<td>GLASS ALUM</td>
<td>GLASS ALUM</td>
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<tr>
<td>109</td>
<td>3' - 0&quot; 6' - 10 7/8&quot;</td>
<td>GLASS ALUM</td>
<td>GLASS ALUM</td>
<td>GLASS ALUM</td>
<td>120</td>
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<tr>
<td>110</td>
<td>3' - 0&quot; 6' - 10 7/8&quot;</td>
<td>GLASS ALUM</td>
<td>GLASS ALUM</td>
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<td>120</td>
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<tr>
<td>111</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
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<td>WOOD WOOD</td>
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<tr>
<td>112</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
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<td>WOOD WOOD</td>
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<td>120</td>
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<tr>
<td>113</td>
<td>3' - 0&quot; 7' - 9 7/8&quot;</td>
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<tr>
<td>114A</td>
<td>3' - 0&quot; 7' - 7 5/8&quot;</td>
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<td>GLASS ALUM</td>
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<td>120</td>
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<tr>
<td>114B</td>
<td>3' - 0&quot; 7' - 7 5/8&quot;</td>
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<td>GLASS ALUM</td>
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<td>115</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
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<tr>
<td>116</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
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<tr>
<td>117</td>
<td>3' - 0&quot; 7' - 11 7/8&quot;</td>
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<td>GLASS ALUM</td>
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<tr>
<td>118</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
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<td>120</td>
<td>3' - 0&quot; 7' - 10 7/8&quot;</td>
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<td>GLASS ALUM</td>
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<td>121</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
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<td>123</td>
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<tr>
<td>124</td>
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<tr>
<td>125</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
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<tr>
<td>126</td>
<td>3' - 0&quot; 7' - 0&quot;</td>
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<td>V101A</td>
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<tr>
<td>V101B</td>
<td>6' - 0&quot; 7' - 10 7/8&quot;</td>
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<td>GLASS ALUM</td>
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<td>V101C</td>
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<td>GLASS ALUMINUM</td>
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<td>V102A</td>
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<td>V102B</td>
<td>6' - 0&quot; 7' - 11&quot;</td>
<td>GLASS ALUM</td>
<td>GLASS ALUM</td>
<td>GLASS ALUM</td>
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</tr>
</tbody>
</table>
REFER TO SECTION -4' - 3"
RENOVATIONS -5' - 3"
APPROVED BY
EX F4.0 EX F3.5 15' - 2"
FOUNDATION AND FIRST FLOOR PLAN
EX F4.0 1 7 3/4" N6 -3' - 0"
1015 BLUE HILLS AVE.
MHAI
STATE PROJ. NO.
8. INDICATES RADON REMOVAL PIT. COORDINATE WITH PLUMBING DRAWINGS.

FOUNDATION NOTES:
5. TOP OF FOOTING ELEVATION (X'') GIVEN FROM MAIN LEVEL ELEVATION (0' -0"
6. "C.J." INDICATES FOUNDATION WALL CONTROL JOINT. REFER TO TYPICAL DETAIL ON DRAWING S
7. "TYPICAL SLAB ON GRADE"
8. FOUNDATIONS AS SHOWN MAY NOT BE CONCAUCTION WITH FOUNDATION WALL CONTROL JOINT.
9. INDICATES RASCH MASONARY PT. COORDINATE WITH PLUMBING DRAWINGS.
1. TYPICAL ROOF CONSTRUCTION: 1 1/2" X 20GA. GALVANIZED TYPE "B" METAL ROOF DECK,

2. REFER TO DRAWING S-601 FOR ALL EXISTING FRAMING SIZES, SPACING AND LOCATIONS

3. INDICATES MOMENT CONNECTION, REFER TO TYPICAL DETAILS ON DRAWING S-601

4. REFER TO GENERAL NOTES FOR FASTENING REQUIREMENTS.

5. CONTRACTOR TO FIELD VERIFY ALL EXISTING FRAMING SIZES, SPACING AND LOCATIONS

6. APPROVED BY

7. DATE

8. DRAWN BY

9. APPROVER

10. PLANNED FOR CONSTRUCTION

11. KEY PLAN

12. MHAI

13. TSKP STUDIO

14. BLOOMFIELD PUBLIC LIBRARY

15. MCMAHON WINTONBURY LIBRARY ADDITION & RENOVATIONS

16. 1015 BLUE HILLS AVE.

17. 203-481-8600  mha-eng.com

18. 1/8" = 1'-0" - 10/07/2022 3:34:07 PM BIM 360://Bloomfield Library - McMahon Building/21-241B Wintonbury Library Site STRUCT.rvt

19. 10/7/2022
1. TYPICAL ROOF CONSTRUCTION: 1 1/2" X 20GA. GALVANIZED TYPE "B" METAL ROOF DECK.

5. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ALL OPENING.
   COORDINATE ALL OPENING Widths - 14X26

6. ALL BEAM FRAMING SHALL HAVE EQUAL SPACING BETWEEN COLUMNS, UNLESS NOTED OTHERWISE.

S-103
### COLUMN SCHEDULE AREA A

<table>
<thead>
<tr>
<th>Column Location</th>
<th>Ref.</th>
<th>Top of Concrete</th>
<th>#4 Ties</th>
<th>Pier Size</th>
<th>Column Schedule</th>
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<tbody>
<tr>
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<td></td>
<td></td>
<td>@12&quot; O.C.</td>
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<td>N1-NB (TYPICAL)</td>
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<td>N1-NC (TYPICAL)</td>
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<td>N4-NE (TYPICAL)</td>
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<td>N6-NA (TYPICAL)</td>
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**Notes:**
- Top of Concrete is given from main level finished floor.
- Refer to Drawing S200 for base plate details.
- For columns between walls, refer to typical column pier.
- For columns at corners, refer to typical column pier.
- Pier size is indicated as T/F. Refer to pier schedule for details.
- **References:**
  - Footing Schedule
  - Column Pier Schedule
  - Typical Column Pier Details
  - Typical Column Base Plate Details

**Dimensions:**
- GRID 1/2" = 1'-0"
- 3/4" = 1'-0"

**Accreditation:**
- MHAI
- 1015 Blue Hills Ave.
- Branford, Connecticut 06405
REFER TO PLAN
SLAB ON GRADE
LEVEL 1
- LEVEL 1
VERT. REINF.
#4 AT 12" O.C.
REINF. EACH CONT. HORIZ. #5 CONT.
9"
2' - 6"
3/4" = 1'-0"
1' - 0"
BLOOMFIELD PUBLIC LIBRARY
McMAHON WINTONBURY LIBRARY ADDITION & RENOVATIONS
1015 BLUE HILLS AVE.
BLOOMFIELD, CT 06002
LEVEL 1
APPRAOVED BY
DATE
PROJ. NO.
STATE PROJ. NO.
A
B
C
D
E
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G
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Y
Z
10/7/2022 3:34:15 PM BIM 360://Bloomfield Library - McMahon Building/21-241B Wintonbury Library Site ST RUCT.rvt
BLOOMFIELD, CT 06002
WASHINGTON ST.
HANCOCK ST.
TOP WIRE
2" X 6" WOOD PLATE
STUD WALL
2" X 6" WOOD PLATE
STUD WALL
#4 AT 12" O.C.
REINF. EACH CONT. HORIZ. #5 CONT.
#5 AT 16" O.C.
BLOOMFIELD, CT 06002
LEVEL 1
- LEVEL 1
VERT. REINF.
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#4 AT 12" O.C.
REINF. EACH CONT. HORIZ. #5 CONT.
#5 AT 16" O.C.
SUBMITTING THEIR BID FOR REFERENCE TO ALL NOTES ON ARCHITECTURAL DRAWINGS REFERRING TO REQUIREMENTS, LOCATIONS AND DETAILS TO STRUCTURAL SUBCONTRACTORS. EXCESS COST PROVIDED FOR THEIR TRADE IN ROOFS, FLOORS AND WALLS, WHETHER SHOWN OR NOT SHOWN ON

3. REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.

4. ALL CALCULATIONS SHALL BE SIGNED AND SEALED BY THE ENGINEER AND SUBMITTED FOR THE STRUCTURE IS DESIGNED TO BE SELF-WIND LOAD CRITERIA:

- ULTIMATE WIND SPEED $V_{U}$ $= 140$ MPH
- $P_{T}$ $= 30$ PSF
- $F_{R}$ $= 0.85$ (0.65 for 2nd story)

318 CHAPTER 19, AND SHALL HAVE THE MAXIMUM WATER TO CEMENT RATIO, TARGET AIR CONTENT

10. PROVIDE CORROSION RESISTANT ACCESSORIES IN ALL EXPOSED CONSTRUCTION.

7. PROVIDE THE FOLLOWING AT OPENINGS IN ALL CONCRETE WALLS AND FRAMED SLABS,

- PROVIDE 1/4" CLOSURE PLATES WITH FULL SEAL WELDS FOR ALL TUBE OR PIPE HOLLOW DECKS
- PROVIDE 1/8" CLOSURE PLATES FOR ALL OTHER OPENINGS

5. PRODUCE CONCRETE SLABS AT LEAST 8" BELOW THE INVERT ELEVATION OF THE PIPING AND CONDUITS.

8. BOOMING AND PLACING IS TO BE DONE BY CONTRACTOR'S ELECTRONIC砶 TOWING HOME AND CONCRETE PLACEMENT BY HOSE AND FINISHING. CONTRACTOR

4. PROVIDE LEVELING NUTS FOR ALL COLUMN BASE PLATES WITH FOUR (4) ANCHOR BOLTS AND

6. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS MUST FOLLOW ACI

28. REFER TO SITE CONCRETE SPECIFICATIONS FOR ALL OTHER EXTERIOR CONCRETE REQUIREMENTS.

20. PROVIDE DEFORMED BAR ANCHORS ON THE TOP OF ALL BEAMS SUPPORTING CONCRETE

22. PROVIDE DUROMAXX ADHESIVE OR APPROVED EQUAL.

3. Afläche HY200 ADHESIVE OR APPROVED EQUAL.

16. PROVIDE THE FOLLOWING AT OPENINGS IN ALL CONCRETE WALLS AND FRAMED SLABS,

- PROVIDE 1/4" CLOSURE PLATES WITH FULL SEAL WELDS FOR ALL TUBE OR PIPE HOLLOW DECKS
- PROVIDE 1/8" CLOSURE PLATES FOR ALL OTHER OPENINGS

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20. PROVIDE DEFORMED BAR ANCHORS ON THE TOP OF ALL BEAMS SUPPORTING CONCRETE

22. PROVIDE DUROMAXX ADHESIVE OR APPROVED EQUAL.

3. Aflate HY200 ADHESIVE OR APPROVED EQUAL.

16. PROVIDE THE FOLLOWING AT OPENINGS IN ALL CONCRETE WALLS AND FRAMED SLABS,
FIRST FLOOR MECHANICAL PIPE PLAN

1/8" = 1'-0"
### FLEXIBLE DUCT SIZE

<table>
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<th>Size</th>
<th>Diameter (in)</th>
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### ELECTRICAL DATA

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<tr>
<th>Room</th>
<th>Volts</th>
<th>CFM</th>
<th>Horsepower (hp)</th>
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<td>450</td>
<td>0.0</td>
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<td>0.0</td>
<td>35 0 0 0 0 0 0 120 V 1</td>
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### PROJECT ROOMS

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<tr>
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### AIRFLOW SCHEDULE

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<th>CFM</th>
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<td>120</td>
<td>450</td>
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<tr>
<td>6</td>
<td>120</td>
<td>450</td>
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</table>

### PUMP SCHEDULE

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### MOUNT SCHEDULE

<table>
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<th>Room</th>
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<th>CFM</th>
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<td>450</td>
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### MOUNT SCHEDULE

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### SPECIAL REQUIREMENTS

- **See Architectural Drawings for Ceiling Types and Construction.**
- Size and CFM indicated on mechanical drawings.
1. BEFORE COMMENCING, THE CONTRACTOR SHALL REVIEW AND VERIFY THIS DRAWING TO DETERMINE THE GENERAL SCOPE OF WORK TO BE PERFORMED. IT MUST BE DETERMINED THAT THE INFORMATION CONTAINED HEREIN IS CORRECT PRIOR TO BEGGINING WORK.

2. ALL ASPECTS OF THE DEMOLITION OF THE EXISTING LIGHTING SYSTEM WILL BE PERFORMED AS SHOWN ON THE DRAWING SHEET. THIS INCLUDES THE EXISTING LIGHTING FIXTURES, AND ALL ASSOCIATED FIXTURES, SWITC

3. THE CONTRACTOR SHALL FIELD VERIFY PRIOR TO COMMENCEMENT OF CONSTRUCTION, EXACT LOCATION OF EXISTING ELECTRICAL SYSTEM SHOWN ON FLOOR PLANS, IS BASED ON THE BEST AVAILABLE INFORMATION. THE LOCATION OF EXISTING ELECTRICAL SYSTEM SHOWN ON FLOOR PLANS, IS BASED ON THE BEST AVAILABLE INFORMATION.

4. TIME AND DATES OF ALL SALVAGEABLE MATERIALS OR EQUIPMENT TO BE REMOVED SHALL BE TURNED OVER TO THE OWNER AT THE END OF THE COMMITMENT. THE CONTRACTORS SHALL COORDINATE THE DEMOLITION SCOPE OF WORK WITH THE GENERAL CONTRACTOR'S OR CONSTRUCTION MANAGER'S PHASING SCHEDULE PRIOR TO COMMENCEMENT OF WORK.

5. THE CONTRACTOR SHALL DEMOLISH ALL THE EXISTING LIGHTING FIXTURES ALONG WITH ALL ASSOCIATED ELECTRICAL FIXTURES, SWITCHES, CONTROL SENSORS, FEEDERS, CONDUITS, WIRES, AND CONTROLS BACK TO THE POINT OF ELECTRICITY ORIGIN.

6. ALL SALVAGEABLE MATERIALS OR EQUIPMENT TO BE REMOVED SHALL BE TURNED OVER TO THE OWNER AT THE END OF THE COMMITMENT. THE CONTRACTORS SHALL COORDINATE THE DEMOLITION SCOPE OF WORK WITH THE GENERAL CONTRACTOR'S OR CONSTRUCTION MANAGER'S PHASING SCHEDULE PRIOR TO COMMENCEMENT OF WORK.

7. THE CONTRACTOR SHALL DEMOLISH ALL THE EXISTING LIGHTING FIXTURES ALONG WITH ALL ASSOCIATED ELECTRICAL FIXTURES, SWITCHES, CONTROL SENSORS, FEEDERS, CONDUITS, WIRES, AND CONTROLS BACK TO THE POINT OF ELECTRICITY ORIGIN.

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POWER PLAN - DEMOLITION

1. REMOVE ALL EXISTING ELECTRICAL SYSTEMS, PANELS, Disconnects, panel boards, electrical systems associated with AC/DC power, etc., etc. proper disposal of all materials in accordance with local codes and regulations. This applies to all existing electrical systems back to the source.

2. ALL EXISTING LOW VOLTAGE SERVICES (DATA, TELEPHONE, ETC.) SHALL BE DEMOLISHED BACK TO THE SOURCE. CONCRETE, BRICK, ETC. SHALL BE DEMOLISHED BACK TO THE SOURCE.

3. REMOVE OR DEMOLISH ANY EQUIPMENT, APPURTENANCES OR DEVICES INTENDED TO REMAIN. REFER TO THE ARCHITECTURAL DEMOLITION DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND ORIGIN.

4. PROVIDE TEMPORARY SERVICES AND SYSTEM MODIFICATIONS TO ACCOMMODATE CONTINUOUS OPERATION OF FACP, LP, NH, DC, CC, CP, NF, NE, ETC. UNLESS OTHERWISE SPECIFIED.

5. Field verify prior to commencement of construction, exact issue dates and proper disposal of all materials in accordance with local codes and regulations. This applies to all existing conditions.

6. The contractor shall ensure that all electrical equipment and systems are properly disposed of in accordance with local codes and regulations. This applies to all existing electrical systems back to the source.

7. The contractor shall field verify prior to commencement of construction, exact issue dates and proper disposal of all materials in accordance with local codes and regulations. This applies to all existing electrical systems back to the source.

8. The contractor shall ensure that all electrical equipment and systems are properly disposed of in accordance with local codes and regulations. This applies to all existing electrical systems back to the source.

9. All existing electrical systems, panels, disconnects, panel boards, electrical systems associated with AC/DC power, etc., etc. proper disposal of all materials in accordance with local codes and regulations. This applies to all existing electrical systems back to the source.

**Fire Alarm Riser Diagram (Typical)**

- **1.** Review all information provided to ensure proper equipment and components are installed.
- **2.** Obtain a clear understanding of the system's components and their configuration.
- **3.** Ensure all fire alarm device wiring meets manufacturer's specifications.
- **4.** Review all wiring diagrams and labels for clarity and accuracy.
- **5.** Prior to final inspection, ensure all fire alarm devices are in working order.
- **6.** Refer to the manufacturer's specifications for device compatibility and installation requirements.
- **7.** Ensure all devices are properly connected and labeled.
- **8.** Provide a final inspection report to the fire authority before the building is occupied.
- **9.** Refer to the fire alarm system's installation manual for additional information.
- **10.** Provide a final inspection report to the fire authority before the building is occupied.
- **11.** Ensure all devices are properly connected and labeled.
- **12.** Prior to final inspection, ensure all fire alarm devices are in working order.
- **13.** Refer to the manufacturer's specifications for device compatibility and installation requirements.
- **14.** Ensure all wiring diagrams and labels for clarity and accuracy.
- **15.** Review all information provided to ensure proper equipment and components are installed.
- **16.** Obtain a clear understanding of the system's components and their configuration.
ELECTRICAL ROOF PLAN

1/8" = 1'-0"
### Switchboard: Main CT

**Location:** Bloomfield, NJ 07002  
**Date:** 10/30/2012

#### Distribution Section No. 1

<table>
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<tr>
<th>Circuit Description</th>
<th>Phase</th>
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**Notes:**
- Rating expressed is in terms of circuit equipment in nominal specifications.

#### Branch Panel: PP1

**Location:** Bloomfield, CT 06002  
**Date:** 10/15/2012

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**Notes:**
- Rating expressed is in terms of circuit equipment in nominal specifications.

#### Branch Panel: PP2

**Location:** Bloomfield, CT 06002  
**Date:** 10/16/2012

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**Notes:**
- Rating expressed is in terms of circuit equipment in nominal specifications.

#### Branch Panel: PP3

**Location:** Bloomfield, CT 06002  
**Date:** 10/17/2012

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**Notes:**
- Rating expressed is in terms of circuit equipment in nominal specifications.
3. APPLIES TO ALL DEVICES IN ALL AREAS.

LOCAL SINGLE

BLOOMFIELD PUBLIC LIBRARY

NTS FOR TIME CLOCK IN CONDUITS.

LABELS WITH 1/4" TALL BLACK TEXT, IN ARIAL FONT, ON CLEAR

TOGGLE SWITCH

PP-X

BOX. REFER TO FLOOR PLAN FOR

STAMPED STEEL COMBINATION BOX.

NEMA 1 ENCLOSURE. PROVIDE WITH 2-WIRE

PROVIDE WIRING WITHIN RACEWAY

SPST WITH STANDARD 3/4" PIPE THREADED NIPPLE.

4" SQ BOX W/BLANK COVER

RED(DOT)

DAYLIGHT CONTRIBUTION BASED ON TWO SETPOINTS. ONE SETPOINT SHALL BE THE TARGET LEVEL

SHALL DIM DOWN. THE SENSORS SHALL CALCULATE THE REQUIRED LIGHT LEVEL FOR CURRENT

2. PROVIDE LSR-301-S SETUP REMOTE CONTROL. PROVIDE (6) REMOTE CONTROLLER FOR ATTIC

LS

VIO(+)

THE WINDOWS

Blu

Blk

RECESSED DOWNLIGHT FIXTURE (TYP)

Blu

SYMBOL ON FLOOR

OPTIONAL CONNECTION

DASHED LINES INDICATE OPTIONAL POSSIBILITIES

CIRCUIT

CEILING TEE (TYP)

SENSOR

3-WAY

FLOOR PLAN

DAYLIGHTING

EXHAUST FAN

LIGHT

HOT

NEUTRAL

ROOM FAN

RECESSED TROFFER

LIGHTING LOAD

SWITCH

BLUE CONTROL OUTPUT

UNLESS OTHERWISE NOTED TO THE

ELECTRIC LIGHT IN THE CONTROLLED. AS THE DAYLIGHT CONTRIBUTION INCREASES THE LIGHTS

E4.01
EXISTING INTEGRATED 1/8" CW SERVICE TO REMOVED AND CAPPED BACK TO UTILITY COMPANY.

EXISTING UNDERGROUND PIPING CLAD TO BE REMOVED, AND ASSOCIATED PIPES TO BE REMOVED IN ITS ENTIRETY.

EXISTING UNDERGROUND PIPING CLAD TO REMAIN.

EXISTING SANITARY MAIN TO BE REMOVED, AND ASSOCIATED PIPES TO BE REMOVED IN ITS ENTIRETY.

EXISTING GAS SERVICE TO BE REMOVED AND REPLACED. ALL ASSOCIATED PIPING TO BE REMOVED AS PART OF SANITARY MAIN REPAIR. COORDINATE WITH UTILITY COMPANY.

FIRST FLOOR PLUMBING DEMOLITION PLAN
EXISTING SCUPPER
REMAIN N1
EXISTING INTEGRATED PROJECT
EXISTING SCUPPER
REPLACE EXISTING SCUPPER
NEW ROOF DRAIN
PROTECTIVE BD, 5" RIGID INSUL.
NEW ROOF ON EXISTING DECK
MECHANICAL, ELECTRICAL, AND MECHANICAL
NEW ROOF DRAIN
PROTECTIVE BD, 5" RIGID INSUL. ON METAL DECK)
NEW EXISTING ROOF DRAIN
PROVIDE ROOF SPILL TO LOW
EXISTING INTEGRATED PROJECT
EXISTING SCUPPER
REPLACE EXISTING SCUPPER
NEW ROOF DRAIN
EXISTING SCUPPER
REMAIN N1
CONCRETE SHUT-OFF VALVE

BLOOMFIELD PUBLIC LIBRARY
C

CONTRACTOR TO SURVEY GAS UTILIZATION EQUIPMENT FOR SELECTION AND SIZING OF PROPER FOUNDATION WALL LIMITER.

MINIMUM 3" NIPPLE SEDIMENT CONNECTION SIZE.

GAS REGULATORS.

PRESSURE PLATES TIE BOLT RECIRC. PUMP SEE PLANS FOR SIZING. CW AND HW SUPPLY PIPING, THERMOMETER 1/4" BRASS PRESSURE TAPS WATTS, SERIES CSM-61, LINE SIZE, SOLDER END CONNECTIONS, BRONZE BODY, VALVES CW AND HW SUPPLY, HWR RETURN PIPING, BALL VALVE HOSE END DRAIN (TYPICAL)

PLUMBING DETAILS

WATER SERVICE ENTRANCE DETAIL

DOMESTIC HOT WATER RECIRC PUMP (SHWP-1) DETAIL

HAIR BALANCING VALVE DETAIL

TYPICAL BRANCH PIPING DETAIL

EQUIPMENT GAS CONNECTION DETAIL

ELECTRIC WATER HEATER PIPING DIAGRAM - HW1-1

WATER RETURN PULLED OUT OF PUMP AND 20' LEAD OF EXPELLING WATER PUMP OUT OF WATER BOX AND CONTAINED IN PUMP食べる

GAS PIPE/ VALVE ORIENTATION TO BE AS SHOWN PLUS TUBE TO MAIN CHUTE OR SEWER

1. USE DRAWING PHYSICAL CONDITIONS FOR ANCHORING MEET FIRE AND BUILDING CODES

1. USE DRAWING PHYSICAL CONDITIONS FOR ANCHORING MEET FIRE AND BUILDING CODES

www.rzdesignassociates.com
ARCHITECTURAL ROUGH BRONZE FINISH DRAWINGS REFER TO DECK 12" BELOW ROOF WEATHERPROOF NOZZLE, ROUGH BRONZE FINISH STANDARD VENT PREFABRICATED COVER OVERFLOW STORM DRAIN LINE SPACING FINISHED SURFACES SUCH AS FLOORS, 18" X 18" X 6" INSTALL CAULKING FERRULE AND THE SOIL STACK OR RWL OR SANITARY DRAIN COMBINATION 1/8 3. 2. 3.

NOTES:

1. TYPICAL FLOOR DRAIN WITH TRAP GUARD INSERT DETAIL

2. TYPICAL CLEAN OUT DETAIL AT BASE OF SOIL STACK OR RWL

3. TYPICAL FLOOR CLEANOUT DETAIL

4. GYPSUM WALL PENETRATION FIRESTOP DETAIL
### Plumbing Fixtures Schedule

<table>
<thead>
<tr>
<th>Tag</th>
<th>Part Description</th>
<th>Model No.</th>
<th>Description</th>
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<tr>
<td>A</td>
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<tr>
<td>B</td>
<td>Sink</td>
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<td>C</td>
<td>Faucet</td>
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### Plumbing Schedules

#### Domestic Hot Water Recirculation Pump Schedule

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#### Electrical Data

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<th>FLA</th>
<th>PH</th>
<th>kW</th>
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#### Fixed Equipment

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#### Electrical Fixtures

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</tbody>
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#### Mechanical, Electrical, and Renovations

Bloomfield Public Library

9 Bloomfield, CT 06002

P: (860) 436-4336

F: (860) 436-4450

McMahon Wintonbury Library Addition & Renovations

1015 Blue Hills Ave

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