Behavioral Health Products and Systems

The following is the initial selection of materials, products and systems chosen for the Behavioral Health Nursing Unit on the 9th floor of the patient tower and the BH portion of the Emergency Department. The selections will continue to be refined during the Design Development Phase and we will review those changes with NYS Office of Mental Health. Initial selections are highlighted.

Seclusion Room Standards

- Securetech
    - Multi-Point Deadbolt Mortise Lock
        - Select lock function from options:
            - USL-K3-IHB2 (slam)
                - Latches upon closure
                - Key only projects/retracts bolts and latch
                - Exterior side of door has freely rotating lever/pull
                - Interior cylinder optional
            - UML-K3-IHB2:
                - Does not latch upon closure
                - Key only projects/retracts bolts
                - Exterior side of door has freely rotating lever/pull
                - Interior cylinder optional
- Marathon Engineering Corporation
    - Gold Medal Safety Padding – Resinous coating is scuff-resistant and long lasting. Padding material is uniform and smooth with no cracks or open seams

Anti-Barricade Strategies

- Norva Plastics, Inc. Patient toilet/shower rooms
    - Toilet Partitions, Sentinel Event Reduction (SER) Door with Sloped Top
        - Use only in suite or gang bathrooms. Never use in bathrooms shared between two bedrooms. Expanded PVC door can be painted with Lexan paint to match desired color scheme. To be used with roller latch hardware.
- Rixson
    - 340 Center Hunt Top Pivot
        - Center hung, non-handed walking beam type hinge. Fully concealed when door is closed
    - 117-3/4 Center Hung Pivot Set
        - Fully concealed, parallel arm, non-handed. Can be coordinated with a concealed overhead closer.
- Accurate Lock & Hardware
    - Keyed Emergency Stop ADL-CEK, ADL-OEK
        - Double lip strikes with keyed emergency stop. Designed to restrict and protect against unauthorized out swinging door. Key locks emergency stop into projected position.

Behavioral Health Products and Systems

Division 07 Sealants

- Security Sealants, Tamper Resistant
- Master Builders Solutions
    - MasterSeal CR 195 – one component, moisture curing, aliphatic, non-sag, polyurethane sealant.
- Sika Corporation
    - Sikaflex 11FC – one component, gun grade moisture cure polyurethane based elastomeric sealant

Division 08 Openings

- Door Hardware, Door Top Sensors
    - Stanley Security Solutions/Grainger Industrial Supply
        - SEDA (Stanley emergency Door Alarms) / Lisa (Ligature-Resistant Door Alarm)
            - A pressure activated switch, mounted on the face of a door, provides notification when a foreign object passes over the door and a downward pressure is applied. Notification is sent to a console indicating where a response is required.
- Door Hardware, Continuous Hinges
    - Architectural Builders Hardware MFG. Inc
        - A500HT
            - Stainless steel pin and barrel, full mortise, full concealed edge mount with hospital tips.
    - MARKAR Architectural Products
        - FM300-HT
            - Edge mount stainless steel
- Door Hardware, Locks & Handles
    - Accurate Lock & Hardware
        - Crescent handle (CH) & 9100 Mortise Lockset
    - Sargent
        - BHW Trim (Mortise)
            - The BHW style door trim is not a traditional lever design and can be safely used in a high risk environment.
- Door Hardware, Lever Handles
    - Best Access systems/Grainger Industrial Supply
        - Ligature Resistant Lever Set SPSL Series - LISL/LISE (Mortise)
            - The ligature resistant lever handle "freewheels" in both directions on both sides of the door whether the door is locked or unlocked. Proprietary finish resists looping by earbuds.
    - TownSteel Architectural Hardware Manufacturing
        - Ligature Resistant Lever Set TRXL Series (Cylindrical)

Behavioral Health Products and Systems

- Whether locked or unlocked, this lever set "free wheels" up and down on both the keyed and non-keyed sides of the door. This "freewheeling" action is standard on double cylinder functions.
- Door Hardware, Stops
  - o Kingsway Group
    - KG182 Wall Mounted Door Stop
      - Solid stainless steel surround with high pressure rubber dome. Security screws pass through the rubber part to ensure it can't be removed.
    - KG183 Large Rubber Wall Mounted Door Stop
      - Solid high pressure domed rubber stop
- Door Hardware, Closers
  - o Rixson
    - 51 Series Offset Floor Closer
      - Fully concealed, single acting, handed. For use with top pivot hinge. Note: fully concealed closers have no readily visible or accessible components. Note: floor closers require special preparation.
    - 700 Series Overhead Concealed Closer
      - Double-acting, non-handed closer concealed in door frame head. For use with bottom pivot hinge. Note: fully concealed closers have no readily visible or accessible components.
  - o Sargent
    - 268/269 Series Overhead Concealed Closer
      - Fully concealed closer body in frame head. Fully concealed track in door. Track arm is only visible when door is open.
- Glazing, Exterior Windows, Polycarbonate Glazing
  - o Sabic Innovative Plastics
  - o Sheffield Plastics Inc.
- Glazing, Exterior Windows, Laminated Safety Glazing
  - o Oldcastle Building Envelope
    - For use as outermost surface of exterior windows.
- Glazing, Interior Windows, Non-Rated
  - o Sabic Innovative Plastics
    - Lexan SL-4855 Polycarbonate Glazing
      - 3/8" or ½" thick with Marguard II-UV coating. Specify MR15 with a 15 year warranty. Install in hollow metal frames with a 1" continuous edge bite.
  - o Oldcastle Building Envelope
    - ArmorProtect Plyus 161000 Laminated Security Glazing
      - 3/8" thick. 3M film is scratchable and may be removed from the laminated glass panel and new film installed by trained maintenance staff. Curing time for the film installation is two weeks minimum. Maintenance staff should be advised to keep spare stock that is fully cured to eliminate down time. Install in

Behavioral Health Products and Systems

> hollow metal frames with a 1" continuous edge bite if dry glazed or ½" continuous edge bite if silicone glazed.

- o Sheffield Plastics Inc.
  - ▪ Makrolon 15 Polycarbonate Glazing
    - • ½" thick. Use with NYS-OMH 15 year warranty. Install in hollow metal frames with a 1" continuous edge bite.
- o 3M
  - ▪ Ultra S600 Film
    - • 3M film is scratchable. When damaged, it may be removed from the glass panel and new film installed by trained maintenance staff. Curing time for the film installation is two weeks minimum. Exact curing time should be verified with the manufacturer. Maintenance staff should be advised to keep spare stock that is fully cured to eliminate down time.
- o DuPont
  - ▪ Spallshield CPET Film
    - • Hard coated PET film helps stop the showering of small glass particles (called "spall") that can occur when conventional glass fails.

- • Glazing, Interior Windows, Fire Rated
  - o Technical Glass Products
    - ▪ FireLite PLUS
      - • 5/16" thick laminated, polished, fire rated, and impact safety rated glazing. Listed for use in doors, sidelites, and transoms with fire rating requirements ranging from 20 minutes to 3 hours.
  - o SaftiFirst
    - ▪ SuperLite Fire Rated Glazing
      - • ¼" monolithic safety and positive pressure fire rated glazing. For use in wood, hollow metal, aluminum or an equally fire rated framing systems.
- • Glazing, Observation Mirrors
  - o Plaskolite, Inc.
    - ▪ See-thru Mirror
      - • Two way observation polycarbonate mirror, 0.236" thick minimum. Product is semi-transparent.
- • Access Doors
  - o Cendrex
    - ▪ PF Series Fire Rated Access doors

Division 09 Finishes

- • Ceiling Assemblies, General
  - o OMH Ceiling Assembly 1: 1 layer ½" or 5/8" drywall with metal framing/suspension system.

Behavioral Health Products and Systems

- o OMH Ceiling Assembly 2: 1 layer 5/8" very high impact (VH1) abuse resistant drywall with metal framing/suspension system.
- o OMH Ceiling Assembly 3: ¾" suspended acoustic tile on intermediate duty suspension system.
- • Wall Base
  - o Custom Wood Base
    - ▪ Custom Designed Wood Base
      - • Solid ¾" hardwood with eased or bullnose top and corners. Provide tamper resistant sealant at joint between floor and base, base and wall surface.
  - o Johnsonite
    - ▪ Millwork Contoured Wall Base
      - • Thermoplastic solid rubber base. Various profiles range in height from 2 1/2" to 6" high, ¼" to 3/8" thick
    - ▪ SCC-XX-A Cove Cap Moulding
      - • Vinyl cove cap moulding accessory for 1/8" cove base material.
  - o Flexco
    - ▪ Health Design Wall Base
      - • Thermoplastic rubber base tapers from 1/8" thick to adjacent floor thickness. All seams are heat welded.

Division 10 Specialties

- • Shower & Privacy Curtains
  - o InPro Corporation
    - ▪ Clickeze Ultra Cubicle Track
      - • Extruded aluminum track provides heavy duty strength. For use with Clickeze accessories.
    - ▪ Clickeze Whisper Cubicle track
      - • Extruded PVC track allows for noise reduction during curtain movement. For use with Clickeze accessories.
    - ▪ Clickeze Pop Out Carrier
      - • Hook on carrier releases, allowing the curtain to fall, and disengages at approximately 10 lbs of pressure. For use with both Clickeze Ultra and Whisper Curtain Tracks.
  - o Construction Specialties
    - ▪ Breakaway Carrier #975P
      - • Hook on carrier is designed to pop out of the axle when approximately 22 lbs of pressure is applied to the hook, and can be reused.
  - o Architex
    - ▪ Rx Privacy Curtain
      - • Made with 100% Avora polyester, style #5/2019717-1000
  - o Arc/Com
    - ▪ Options Curtain

Behavioral Health Products and Systems

- Customizable textiles to increase durability and fire resistance. Stain repellent.
  - o Standard Textile
    - Perfect Panel Curtains
      - Note: ganging of multiple snaps along the curtain track can create a ligature point.
- Closet Rods, clothes & Towel Hooks
  - o Kingsway Group
    - KG180 Coat Hook
      - Stainless steel surround. Rubber hook releases under downward applies load.
  - o Norva Plastics, Inc
    - Polyethylene hook
  - o American Specialties, Inc.
    - 123 Square Clothes Hook
  - o Oddball Industries
    - SP-6 Clothes/Towel Hook
    - SP-6! Clothes/Towel Hook with adjustable tension release
- Handrails & Grab Bars, General
- Handrails
  - o Construction Specialties, Inc.
    - HRB-20CMHLN Acrovyn 4000 Handrail
      - Handrail/bumper guard with psychiatric continuous bracket enclosure, to address safety issues for patients eliminating the gap between the wall and handrail. Meets safety codes with ADA and ANSI compliance.
  - o Pawling Corp.
    - BR-400CS Series handrail
      - 6-1/4" high vinyl handrail. Suicide resistant design to minimize leverage and looping with radius corners. Aluminum tube with laser cut 1/8" aluminum closure plates. Continuous secure bracket.
- Toilet Accessories, Grab Bars
  - o Kingsway Group
    - Grab Rail KG250/KG251
      - Horizontal and vertical mounting. Painted extruded aluminum, 600 mm long. Provide sealant at the full perimeter to prevent end to end looping.
  - o Northwest Specialty Hardware
    - NW Security Bar
  - o Cascade Specialty Hardware
    - Safebar Grab Bar
  - o Willoughby Industries, Inc.
    - AntiSuicide Grab Bar Modified with End Caps ASGB-X-ODD-MOD

Behavioral Health Products and Systems

- Specialty self-draining end caps are available from manufacturers and should be specified. Provide sealant at the full perimeter to prevent end to end looping.
  - Whitehall Manufacturing
    - 1109-1 24" Ligature Resistant Grab Bar
  - American Specialties, Inc.
    - 0165 Grab Bar with Drain Holes
- Toilet Accessories, Soap Dispensers
  - GoJo Industries
    - LTX Behavioral Health Dispensing System
      - Stainless steel soap dispensing unit specifically designed for behavioral health environments with delayed time output, inhibited access interior, and sloped and rounded exterior.
  - Kingsway Group
    - KG06 Liquid soap
      - Stainless steel surface mounted liquid soap dispenser. Soap automatically dispenses from this battery operated unit.
- Toilet Accessories, Paper Towel Holders & Dispensers
  - American Specialties, Inc.
    - 0412 Recessed Shelf
      - 22 gauge type 304 stainless steel with a No. 4 satin finish install with tamper resistant fasteners. Provide tamper resistant sealant at flange perimeter.
  - Whitehall Manufacturing
    - Best-Care WH1820FA Recessed Shelf
      - 16 gauge type 304 stainless steel with a satin in finish or powder coated white finish. Install with tamper resistant fasters. Provide tamper resistant sealant at flange perimeter.
- Toilet Accessories, Toilet Tissue Holders & Dispensers
  - American Specialties, Inc.
    - 110-13 Recessed Toilet Paper Roll Holder (front mounted)
      - 14 gauge type 304 stainless steel with satin finish
  - Bradley corporation
    - SA12 Recessed Toilet Tissue Roll Holder (front mounted)
      - 16 gauge type 304 stainless steel with a satin finish
  - Whitehall Manufacturing
    - 1840-FA Recessed Toilet Paper Roll Holder (front mounted)
- Toilet Accessories, Mirrors
  - Sabic Innovative Plastics
  - Royal Adhesives & Sealants
    - Frameless Polycarbonate Wall to Wall Mirror
  - Behavioral Safety Products
    - Ligature Resistant Stainless Steel Framed Mirror FM 160
      - Polished stainless steel mirror with #8 finish 18x24 hardwood frame

Behavioral Health Products and Systems

- American Specialties, Inc.
  - 0600 Angle Frame Mirror
- Window Treatments
  - InPro Corp.
    - Clickeze Ultra Cubicle Track
      - Extruded aluminum track provides heavy duty strength. For use with Clickeze accessories.
    - Clickeze Whisper Cubicle Track
      - Extruded PVC track allows for noise reduction during curtain movement. For use with Clickeze accessories.
  - Construction Specialties
    - Breakaway Carrier #975P
      - Hook on carrier is designed to pop out of the axle when approximately 22 lbs. of pressure is applied to the hook, and can be reused.
  - Imperial Fastener Company
    - IFC-69 Break-a-way Track & IFC-79 Break-A-Way Track
      - The IFC-69 ceiling mounted and IFC-79 wall mounted tracks are used with "safety tabs" that attach to box pleated window draperies or shower curtains.
  - WebbShade
    - WebbLok Shades
      - The IFC-69 ceiling mounted and IFC-79 wall mounted tracks are used with "safety tabs" that attach to box pleated window draperies or shower curtains.
  - Securing Hospitals
    - 845-S86 SafeSupport SR Window Shades
      - The 845-S86 wall mounted tracks are used with "safety tabs" that attach to box pleated window draperies or shower curtains.
- Artwork Frames
  - Behavioral Safety Products
    - Ligature Resistant Art Frame #AF550
- Cabinet Hardware
  - Accurate Lock & Hardware
    - CP-CAB Crescent Cabinet Pull
  - Doug Mockett & Co.
    - DP74C Radiused Finger Grip Pull
- Signage
  - 2/90 Sign Systems
    - Custom Patient Safe signage
      - Thermoplastic frame, fully adhered to thermoplastic back panel. Clear polycarbonate insert lens. Mechanically fasten to blocking with tamper resistant screws.
  - King Architecture Products
    - KMS Series Signage

Behavioral Health Products and Systems

- Tamper resistant locking: top, bottom, panel profiles and copy covers are held in place by manufacturer's standard concealed locking pin. Specify two locking pins per sign.
- Fire Extinguisher Cabinets
  - Larsen's Manufacturing Co.,
    - Architectural Series 2712 Fire Extinguisher Cabinet
      - Stainless steel tub with a continuous hinge. Specify fully recessed cabinet with flat trim, or semi-recessed cabinet with rolled edge trim & door w/o handle. Specify mortise lock with keyed cylinder.
      - DECS 2409-R4 Fire Extinguisher
  - Activar Construction Products Group
    - JL Industries Cosmopolitan Series Fire Extinguisher Cabinet

Division 21 Fire Suppression

- Sprinklers
  - Tyco Fire Protection Products
    - Raven Institutional Sprinklers
      - Pendant and horizontal sidewall heads. Standard, quick response & extended coverage. Stainless steel escutcheons available for installation in wet or damp areas.
    - Viking Group
      - VK410 Pendant & VK412 Sidewall Institutional Flush Sprinklers

Division 22 Plumbing

- Lavatory Assemblies
  - NYS-OMH Standard Lavatory Assembly
    - Custom solid surface lavatory with integral sink bowl & pipe enclosure.
      - Niche mounted solid surface vanity counter with integral solid surface sink bowl and deck mounted behavioral safety products ligature resistant sensor faucet #SF370. Removable integral solid surface pipe enclosure below mounted with tamper resistant fasteners.
  - Whitehall Manufacturing
    - WH3775 Solid Surface Wall-Hung Lavatory
      - Shown with fully accessible powder-coated stainless steel pipe enclosure, deck-mounted dual temp push button conical faucet. Available without overflow hole.
- Lavatory Basins
  - American Standard
    - Rondolyn Countertop Sink
      - High gloss stain resistant vitreous china sink. Specify without overflow.
    - Mezzo Countertop Sink

Behavioral Health Products and Systems

- Self-rimming fine fire clay semi-countertop sink. Specify without overflow.
- Lavatory Pipe Enclosures
  - IPS Corp
    - Truebro Lav Shield Model @2018
      - Cautions: pipe enclosure will conceal exposed plumbing piping, but is used with wall mounted lavatory that poses looping opportunity. Careful scribing to underside of lavatory is required for a proper fit and sealant joint.
- Lavatory Faucets
  - Behavioral Safety Products
    - Ligature Resistant Sensor Faucet #SF370
      - Deck mounted faucet is a single temperature faucet without controls. It may be specified as hard-wired or with a 4 year battery.
    - Ligature Resistant Metering Faucet #SF380
      - Deck mounted faucet is a dual temperature faucet with push button controls.
- Lavatory Grid Strainers
  - Oddball Industries
    - SP-11-GDK Grid Drain Kit
      - Effective drainage is achieved with the included air vent. Air introduction valve may not meet all local codes.
    - Typical Grid Strainer & Drain
      - Note: typical grid strainers are rejected because ligature can be created by threading a ligature item through the perforations and be hung over the lavatory or vanity edge.
- Toilets
  - Behavioral Safety Products
    - Ligature Resistant Toilet #TN690
      - Floor mounted, back spud, 1.6 gpm siphon jet with integral seat.
    - Intersan
      - CWC150-AST Toilet
      - CWC156-AST Toilet
        - Solid surface back to wall toilet with non-moving integral seat
  - Whitehall Manufacturing
    - WH2142 Toilet
      - Floor mounted, powder coated stainless steel toilet with ligature resistant ABS toilet seat.
- Toilet Flushometers
  - NYS-OMH Standard Concealed Flush Valve Assembly
    - Concealed flush valve assembly with remote infrared sensor.
- Shower Heads
  - Chicago Faucets

Behavioral Health Products and Systems

- 621-CP Institutional Shower Head
  - o Oddball Industries
    - SP-7 Shower Head
    - SP-7TF Tub Filler
  - o Moen
    - M-Dura 8292
  - o Speakman Company
    - S-2460-AF Shower Head
  - o Behavioral Safety Products
    - SH330 Shower Head
- Shower Controls & Activators
  - o Armstrong International
    - Brainwave Water Temp Control
      - Stainless steel face plate is to be specified for all NYS-OMH facilities. Provide tamper resistant sealant at perimeter of plate touchless on/off flow control. Touchless temp adjustment. Cautions: control buttons are plastic and have the potential to be damaged. Product can be specified with a plastic cover by facilities other than NYS-OMH but should be used with caution due to the increased potential to be damaged.
  - o Behavioral Safety Products
    - Ligature Resistant Shower Valve, Handle & Escutcheon Plate #SV230
  - o Interesan
    - 50140 Ligature Resistant Shower Diverter

Division 23 HVAC

- Diffusers & Grilles
  - o Behavioral Safety Products
    - Ligature Resistant Exhaust/Supply Grille #EG450
      - Designed to replace existing grilles that are not ligature resistant. 11 gauge aluminum with 1/8" round holes.
  - o Carnes company
    - Model RSPA51 Suicide Deterrent Security R&G
  - o Titus
    - SG-SD Maximum Security Suicide Deterrent Grille
      - Face and sleeve are 3/16" hot rolled steel. Hole pattern is 3/16" round holes on staggered 9/32" centers. 2x2x3/16" steel angles are provided as standard in four loose pieces for field welding. Mounting sleeve is for installation in CMU walls only. Specify with 1" flange. Caution: perforated diffusers grilles and radiator covers pose a particular risk as they can be easily looped by a think shoelace or similar object.

Behavioral Health Products and Systems

Division 26 Electrical

- Receptacles & GFCI/AFCI Circuit Breakers
  - o Leviton
    - ▪ 8200-SG Series Tamper Resistant Receptacles
- Wall Plates
  - o Hubbell
    - ▪ Nylon Wall Plates
  - o Legrand
    - ▪ Unbreakable Nylon Wall Plates
  - o Leviton
    - ▪ Unbreakable Nylon Wall Plates
- Light Fixtures, Lenses
  - o Behavioral Safety Products
    - ▪ Impact Resistant Prismatic Polycarbonate Light Lenses #PL640
      - • Lenses are to be installed in an existing fixture frame. If the existing frame will not adequately secure the lens, it is recommended to install the tamper resistant fasteners through the frame and lens.
- Light Fixtures, Interior, General, Recessed
  - o Cooper lighting
    - ▪ Fail Safe FRM LED Linear
    - ▪ Fail Safe ENV LED 2x2
  - o Kenall Manufacturing
    - ▪ MedMaster Behavioral Health MMAC 14, MMAC22 & MMAC24
    - ▪ Mighty Mac RAC, RCB, RCC, RCD Series
- Light Fixtures, Interior, Task Lighting
  - o Cooper Lighting
    - ▪ FFLD6A 6" Vandal Resistant LED Downlight – Flush Lens
  - o Kenall Manufacturing
    - ▪ Millenium HADL Series Downlight LED
    - ▪ Stratalume UC Series, UCSL
- Light Fixtures, Interior, Night Lighting
  - o Cooper Lighting
    - ▪ Fail-safe MCL, MLN & MSN Night Lights
  - o Kenall Manufacturing
    - ▪ MedMaster SoftStep Contour Steplight, MCSL
- Light Fixtures, Exit Signage
  - o Kenall manufacturing
    - ▪ Millennium Metrex METSR Series Exit Light (Recessed)
  - o Philips Chloride
    - ▪ 60 Series Max All Purpose Exit

Behavioral Health Products and Systems

Division 28 Electronic Safety & Security

- Fire Alarm Components, Notification Devices
  - o Tyco SimplexGrinnell
    - TruAlert Addressable Notification Appliances, Series 49AV
      - Wall and ceiling mounted. Multi-electronic horn & strobe combinations.
    - 2099 Series Manual Fire Alarm Station
      - Single action with institutional cover, key operated only
  - o Edwards Signaling
    - EGC-SVM Series Notification Appliances
      - Caution: the curved return against the ceiling presents a potential ligature opportunity