

- PROJECT TITLE, LOCATION, INDEX OF SHEETS
- PARTIAL DEMO FLOOR PLAN
- PARTIAL SITE PLAN AND NOTES
- PARTIAL FLOOR PLAN, INTERIOR ELEVATIONS,
  - PLUMBING FIXTURE LIST AND NOTES
- **SPECIFICATIONS SPECIFICATIONS**

**SPECIFICATIONS** 

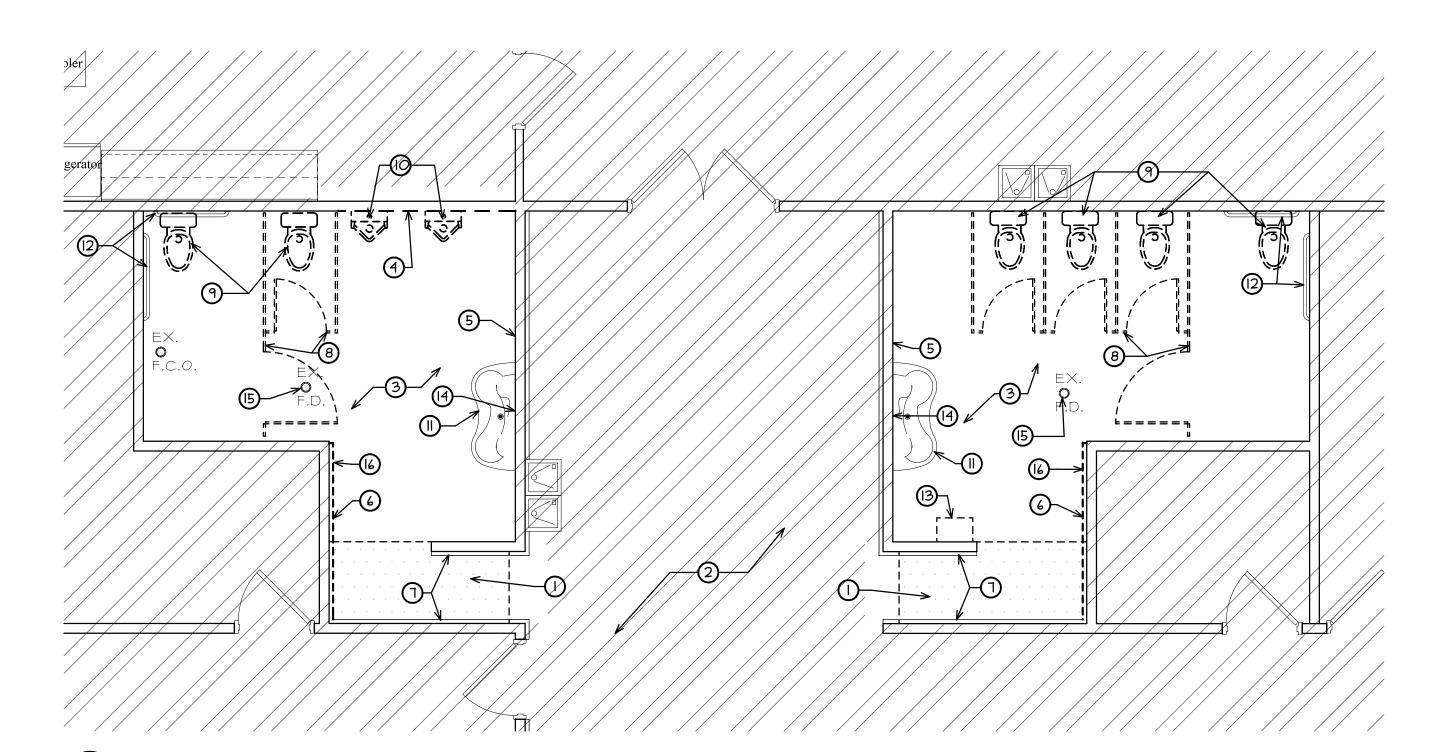
# WEITENDORF RESTROOM UPGRADES

JOLIET JUNIOR COLLEGE WEITENDORF EDUCATIONAL CENTER 17840 W. LARAWAY ROAD JOLIET, ILLINOIS

> STROMSLAND + DE YOUNG + PRYBYS ARCHITECTURE GROUP

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11/21/2024



PARTIAL DEMO FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

# DEMOLITION PLAN LEGEND

HATCH DENOTES AREAS NOT INCLUDED IN PROJECT SCOPE. EXISTING WALLS TO REMAIN (TYPICAL)

EXISTING DOOR & FRAME TO REMAIN (TYPICAL)

# DEMOLITION PLAN GENERAL NOTES

- ALL SALVAGED ITEMS NOT REUSED SHALL BE PLACED IN STORAGE, ON SITE, AT A LOCATION DESIGNATED BY THE OWNER.
- ALL ITEMS REMOVED AND NOT SALVAGED SHALL BE PROPERLY DISPOSED OF OFF SITE BY THE CONTRACTOR.
- PATCH & REPAIR HOLES AND/OR DAMAGED SURFACES CAUSED TO ADJACENT CONSTRUCTION DURING DEMOLITION.
- VERIFY ANY ADDITIONAL DEMOLITION WORK REQUIRED FOR INSTALLATION OF DEVICES/EQUIPMENT.
- EXISTING TOILET TISSUE, SOAP DISPENSER, FEMININE SANITARY NAPKIN DISPENSER, SANITARY DISPOSAL CAN, AND HAND SANITIZER DISPENSERS TO BE REMOVED. (V.I.F.)
- DEVICES INDICATED WITH AN "EX" ARE TO BE EXISTING TO REMAIN. (V.I.F.)
- SAWCUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR SLAB AS REQUIRED FOR REMOVAL AND INSTALL OF NEW/DEMO PLUMBING AT EXISTING URINALS. (V.I.F.)
- EXISTING TEXTURED CEILING PANEL NEXT TO LIGHT FIXTURES TO BE REMOVED AND REPLACED WITH NEW PANEL TO MATCH EXISTING CEILING. (V.I.F.)(TYPICAL OF 3 IN WOMEN'S AND 2 IN MEN'S)
- TEMPORARY TOILET TRAILER TO BE PROVIDED DURING CONSTRUCTION. SEE SHEET AO FOR MORE INFORMATION.

# DEMOLITION PLAN KEY NOTES

- REMOVE PORTION OF EXISTING VCT FLOORING AND WALL BASE. PREP SURFACE FOR NEW FLOOR FINISH. START OF TILE REMOVAL TO BE FULL TILE IN FROM CORNER. (V.I.F.)
  PORTION OF VCT FLOORING TO REMAIN. PROVIDE PROTECTION DURING CONSTRUCTION.
- EXISTING EPOXY FLOORING AND INTEGRAL COVE BASE TO BE REMOVED AND PREPPED FOR NEW FLOOR FINISH.
- REMOVE EXISTING WALL TILE WAINSCOT AND TILE BACKING BOARD DOWN TO EXISTING STUDS TO REMAIN. (V.I.F.)
- EXISTING WALL TILE WAINSCOT TO REMAIN. (V.I.F.)
- REMOVE PORTION OF EXISTING METAL EDGE TRACKS, CORNER METAL AND CORRUGATED METAL PANEL WAINSCOT. (V.I.F.) SALVAGE PIECES AS REQUIRED TO EXTEND EXISTING WAINSCOT TO CORNER.
- PORTION OF EXISTING CORRUGATED METAL WAINSCOT TO REMAIN. (V.I.F.)
- EXISTING METAL TOILET PARTITIONS TO BE COMPLETELY REMOVED. (V.I.F.)
- EXISTING TANK TYPE WATER CLOSET TO BE REMOVED FOR NEW FIXTURES. EXISTING PLUMBING TO REMAIN FOR REUSE. (V.I.F.)(CONTRACTOR TO MAKE ALL REQUIRED PLUMBING REPAIRS FOR A COMPLETE AND WATER TIGHT INSTALLATION)
- EXISTING URINAL TO BE REMOVED. EXISTING PLUMBING TO BE MODIFIED FOR NEW WALL HUNG UNITS.
- EXISTING WASHSTATION TO REMAIN. PROVIDE PROTECTION DURING CONSTRUCTION.
- EXISTING GRAB BARS TO REMAIN. PROVIDE PROTECTION DURING CONSTRUCTION.
- B EXISTING STAINLESS STEEL SHELF TO BE REMOVED AND SALVAGED FOR REUSE. (V.I.F.)
- EXISTING WALL MOUNTED MIRROR TO REMAIN. PROVIDE PROTECTION DURING CONSTRUCTION. (V.I.F.)
- EXISTING FLOOR DRAIN TO REMAIN AND BE ADJUSTED IF REQUIRED TO MATCH NEW FLOORING INSTALLATION. (V.I.F.)
- EXISTING HAND DRYER TO BE REMOVED. EXISTING ELECTRIC TO REMAIN FOR REUSE AND MODIFY IF REQUIRED FOR NEW FIXTURES

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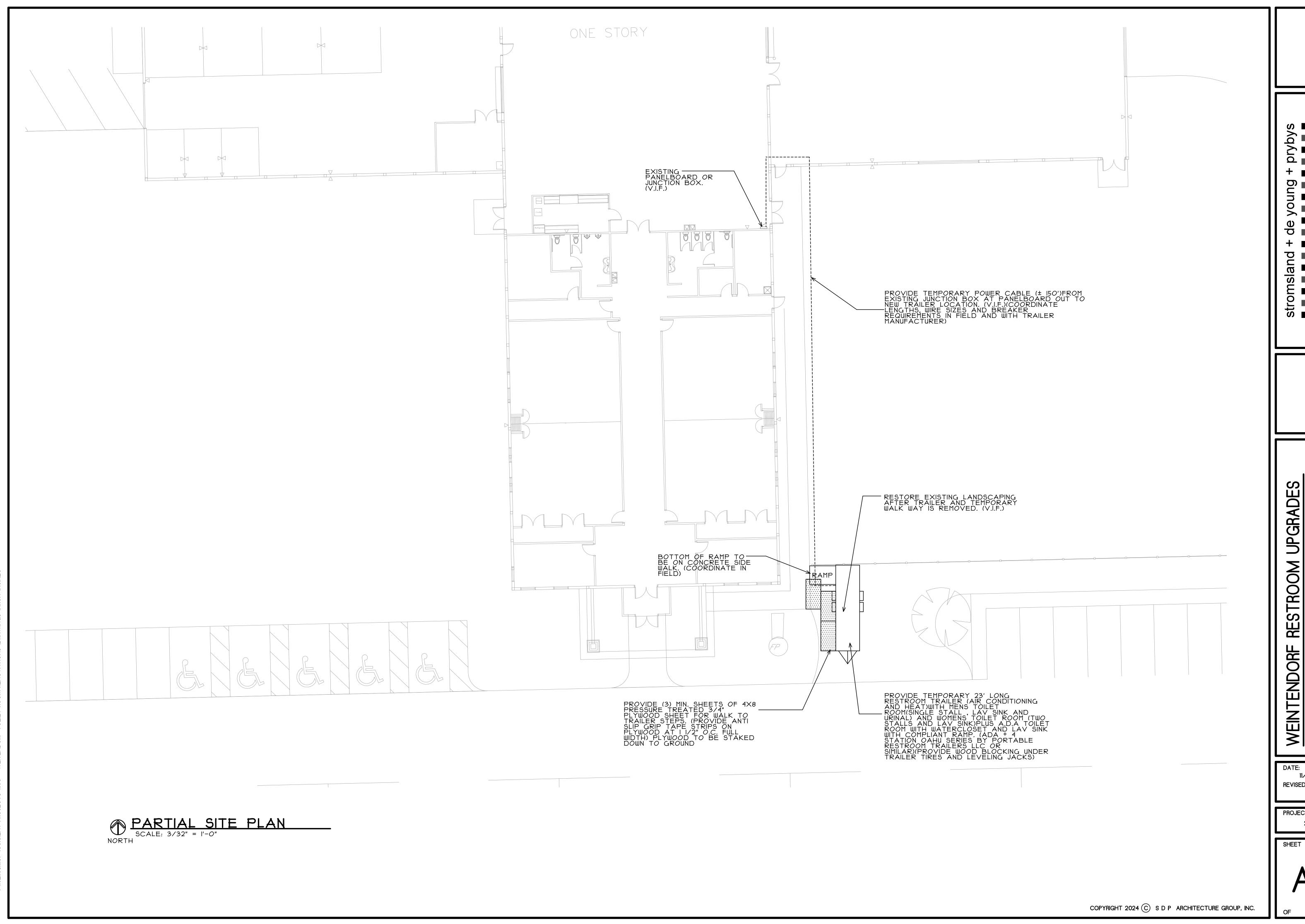
RESTROOM UPGRADES WEINTENDORF EDU WEINTENDORF EDU 17840 W. LARAWA) JOLIET, ILLINOIS

11/21/2024 REVISED:

PROJECT NO. 2408-02

SHEET

OF 1 SHEETS



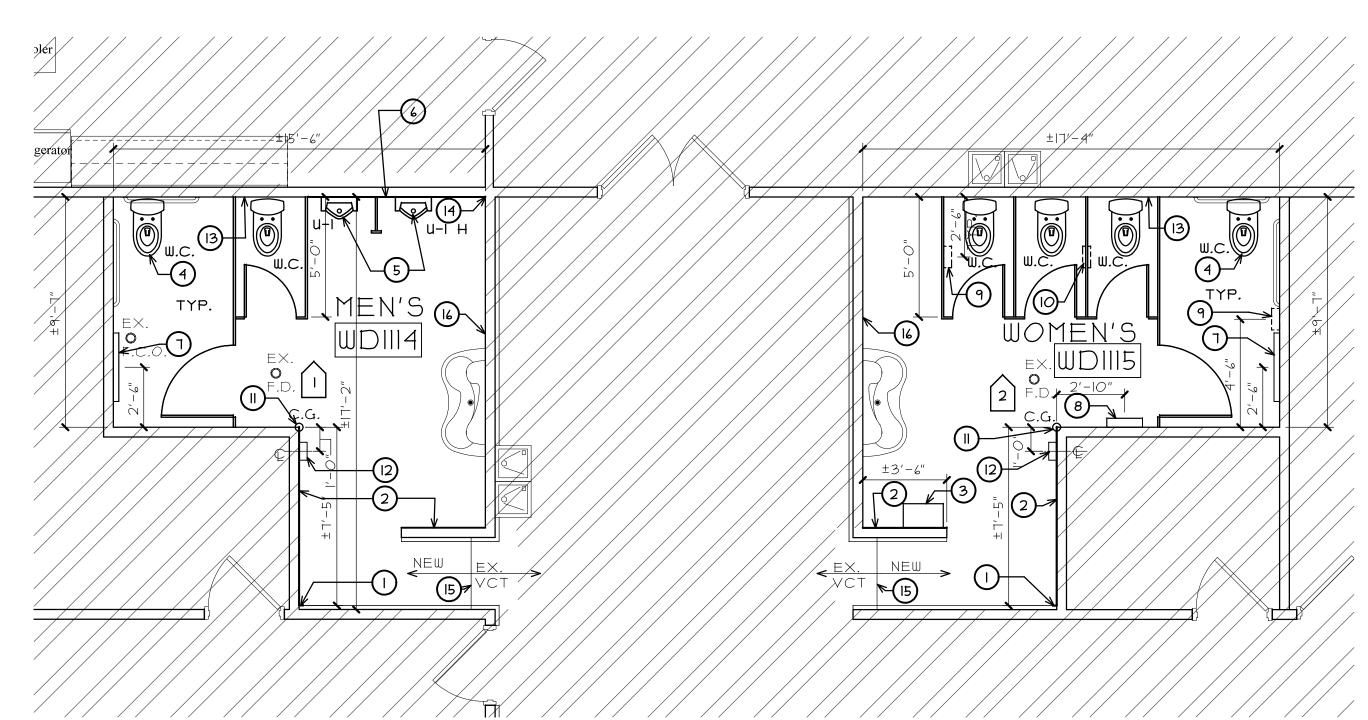
တ WEINTENDORF RESTROOM UPGRADE
WEINTENDORF EDUCATIONAL CENTER
17840 W. LARAWAY ROAD
JOLIET, ILLINOIS

DATE: 11/21/2024 **REVISED:** 

PROJECT NO. 2408-02

NUMBER

5 SHEETS

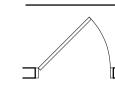




# LEGEND

HATCH DENOTES AREAS NOT INCLUDED IN PROJECT SCOPE.

DENOTES EXISTING WALLS OR PARTITIONS TO REMAIN (VERIFY IN FIELD)



DENOTES EXISTING DOOR AND FRAME TO REMAIN (VERIFY IN FIELD)

# GENERAL NOTES

- NEW M-E-P SERVICES IN EXISTING METAL AND GYPSUM BOARD WALLS MAY BE "FISHED DOWN" IF POSSIBLE, OR THE WALL IS TO BE CHANNEL CUT AND PATCHED WITH "LIKE" MATERIALS. COORDINATE WITH M.E.P.
- PATCH & REPAIR ALL EXISTING GYPSUM BOARD SURFACES TO "LIKE NEW" CONDITION PRIOR TO INSTALLING NEW FINISHES.
- ALL WALLS IN PROJECT AREA TO RECEIVE NEW PAINT
- PROVIDE ALL REQUIRED IN-WALL BLOCKING FOR ALL NEW AND EXISTING REINSTALLED EQUIPMENT SUPPORT.
- HOLES AT REMOVAL OR INSTALLATION OF EXISTING/ NEW PLUMBING THROUGH EXISTING CONCRETE SLAB TO BE PROPERLY PATCHED FLUSH AND LEVEL WITH ADJACENT AREA. SEE DETAIL I ON SHEET AI (V.I.F.)
- INFILL CEILING PANELS AT LOCATION OF REMOVED PANELS NEXT TO EXISTING LIGHT FIXTURES WITH NEW MATCHING VINYL FACED GYPSUM BOARD PANELS (VINYL ROCK BY CERTAINTEED OR SIMILAR) MATCH EXISTING. (V.I.F.) (TYPICAL OF 5)

# ROOM FINISHES

FLOOR: RESILIENT SHEET FLOORING WITH HEAT BONDED SEAMS

BASE: 4" HIGH INTEGRAL COVE BASE (PER SHEET MANUFACTURERS DETAILS)

TYPICAL WALLS: FINISHED, PRIMED AND PAINTED (PNT-I). ACCENT WALLS: FINISHED, PRIMED AND PAINTED (AC-I).

CEILING: EXISTING

# KEY NOTES

- TEND EXISTING METAL WAINSCOT TO CORNER, USE .VAGED CORRUGATED METAL PANEL AND TOP AND ITOM TRACK AS REQUIRED. RE- INSTALL SALVAGE END .CK IN CORNER. (V.I.F.)
- RE-INSTALL EXISTING STAINLESS STEEL SHELF MOUNT AT EXISTING HEIGHT. (V.I.F)
- PROVIDE NEW FLOOR MOUNTED TANK TYPE WATER CLOSET. RECONNECT TO EXISTING PLUMBING. SEE FIXTURE SCHEDULE
- PROVIDE NEW WALL MOUNTED URINALS. SEE FIXTURE SCHEDULE AND ELEVATIONS MODIFY EXISTING SANITARY AND WATER PIPING FROM REMOVED URINALS TO NEW URINALS. COORDINATE REQUIRED MOUNTING AND BLOCKING FOR NEW FIXTURES (VIE)
- PATCH IN WALL WITH NEW LAYER OF MOLD AND MILDEW RESISTANT DRYWALL (SHEETROCK MOLD TOUGH BY USG OR APPROVED EQUAL)(MATERIAL THICKNESS TO MATCH WALL ABOVE)AT LOCATION OF REMOVED WALL TILE AFTER NEW PLUMBING WORK IS COMPLETE. (V.I.F.)
- PROVIDE WALL MOUNTED DIAPER CHANGING STATION. SEE MOUNTING DIAGRAM.
- PROVIDE SURFACE MOUNTED NAPKIN DISPENSER. SEE MOUNTING DIAGRAM.
- PROVIDE NEW SURFACE MOUNTED STAINLESS STEEL NAPKIN DISPOSAL CAN
- PROVIDE NEW DOUBLE SIDE PARTITION STAINLESS STEEL NAPKIN DISPOSAL CAN.
- PROVIDE NEW IMPACT RESISTANT CORNER GUARD. START TOP OF BASE AND RUN UP TO 8'-O" A.F.F. (COLOR TO MATCH EXISTING)(SM-20AN BY C.S. SPECIALTIES OR APPROVED
- NEW SURFACE MOUNTED HAND DRYER. CONNECT TO EXISTING POWER FROM REMOVED HAND DRYER. MODIFY EXISTING POWER AS REQUIRED FOR NEW FIXTURE. (V.I.F.)
- PROVIDE FULL PAINTED ACCENT WALL(AC-I)
- FILL GAP AT INSIDE CORNER WHERE EXISTING WALL TILE WAS REMOVED WITH SILICONE SEALANT. (COLOR WHITE) (V.I.F.)
- PROVIDE BRUSHED STAINLESS STEEL TRANSITION STRIP BETWEEN NEW SHEET FLOORING AND EXISTING VCT FLOORING. (SCHIENE BY SCHLUTER OR APPROVED EQUAL)
- AT LOCATION OF EXISTING WALL TILE NEW FLOORING TO STOP AT COVE OF EXISTING TILE BASE (NO INTEGRAL FLOORING BASE) AND PROVIDE BRUSHED STAINLESS STEEL TRANSITION STRIP. (SCHIENE BY SCHLUTER OR APPROVED EQUAL)

# PLUMBING FIXTURE LIST

MODEL: KOHLER, (HIGHLINE CLASSIC, K-3519-RA) OR APPROVED EQUAL.

SEAT- WHITE, EXTRA HEAVY, OPEN FRONT, INJECTION MOLDED SOLID ANTI- MICROBIAL PLASTIC, CHECK HINGE, STAINLESS STEEL OR PLATED STEEL POSTS AND NUTS.

ACCEPTABLE MANUFACTURERS: BEMIS (3155C), CHURCH (3155C), BENEKE (533PC), OLSONITE (95), SAME AS WATER CLOSET MANUFACTURER

# <u> J-I AND U-I H (A.D.A. COMPLIANT)</u>

TOP SPUD.

CARRIER: JOSAM 17550-UR OR APPROVED EQUAL FLUSH VALVE - EXPOSED, SENSOR OPERATED, BATTERY POWERED, CHROME PLATED I" I.P.S. SCREWDRIVER STOP-CHECK VALVE, CHEMICAL RESISTANT MATERIAL, VACUUM BREAKER, WALL AND SPUD FLANGES, O.5 G.P.F., OVER-RIDE BUTTON, LOW BATTERY INDICATOR LIGHT, RANGE ADJUSTMENT SCREW, 3 YEAR WARRANTY.

\* VERIFY ALL FIXTURES WITH OWNER PRIOR TO PURCHASE AND APPROVED SHOP DRAWINGS

PLASTIC TOILET PARTITIONS. (TYPICAL)

ELEVATION

SCALE: 1/4" = 1'-0"

MEN

EXISTING GRAB BARS

J.C. (A.D.A. COMPLIANT)

WATER CLOSET- ACCESSIBLE, FLOOR MOUNTED, TANK TYPE, WHITE VITROUS CHINA, PRESSURE ASSISTED, WATER SAVING, ELONGATED BOWL, BOLT

URINAL- WALL MOUNTED, FLUSH VALVE TYPE, WHITE VITROUS CHINA, SIPHON JET, WATER SAVING, , 3/4" FACILITY STANDARD: AMERICAN STANDARD (WASHBROOK FLOWISE 6590.005)

FACILITY STANDARD: SLOAN (RESS- U-0.5-XD)

MOUNTING HEIGHT DIAGRAM

FLOOR MOUNTED ADA TÖILET WITH EXISTING GRAB BARS AND TOILET TISSUE DISPENSER

SCALE: 1/4'' = 1'-0''

CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND VERIFY ALL EXISTING SYSTEMS TO DETERMINE EXTENT OF DEMOLITION WORK. ANY ITEMS NOT SPECIFICALLY INDICATED ON DRAWINGS THAT ARE IN CONFLICT WITH CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT PRIOR TO BID FOR A CLARIFICATION.

GENERAL PLUMBING NOTES

URINAL -SEE PLUMBING DRAWINGS (TYPICAL)

-A.D.A. URINAL -SEE PLUMBING DRAWINGS

FLOOR MOUNTED TANK— TYPE TOILET, SEE FIXTURE SCHEDULE, (TYPICAL)

SURFACE MOUNTED/ PARTITION NAPKIN DISPOSAL- MODEL 4122-I5(SURFACE), 4121-I5 (PARTITION)BY BRADLEY OR APPROVED EQUAL)

**ELEVATION 2** WOMEN

SURFACE MOUNTED SURFACE MOUNTED SURFACE MOUNTED/ SURFACE MOUNTED SOAP DISPENSER PARTITION NAPKIN DIAPER CHANGING SURFACE MOUNTED DISPENSER OWNER TO PROVIDE AND INSTALL)

SURFACE MOUNTED SURFACE MOUNTED/ DIAPER CHANGING SURFACE MOUNTED DISPOSAL STATION NARROW DEPTH HAND DRYER

SCALE: 1/4'' = 1'-0''

-18" DEEP WALL MOUNTED URINAL SCREENS. (TYPICAL) MOUNT CENTERED BETWEEN URINALS.

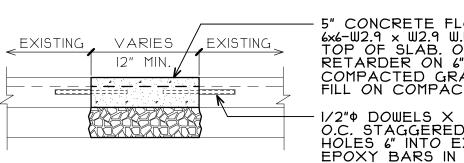
CONTRACTOR SHALL SCHEDULE ALL WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT A TIMES. ALL REQUIRED SHUTDOWN OF EXISTING UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING

ALL CUTTING AND PATCHING REQUIRED FOR THE REMOVAL AND INSTALLATION OF ALL EXISTING AND NEW PIPING AND FIXTURES SHALL BE DONE BY THE PLUMBING CONTRACTOR.

CONTRACTOR SHALL REPAIR OR REPLACE ALL PIPING INSULATION DAMAGED DURING NEW CONSTRUCTION WORK. PATCH INSULATION TO MATCH EXISTING IN A NEAT AND WORKMANLIKE MANNER.

CONTRACTOR SHALL VERIFY ALL EXISTING SERVICES PRIOR TO START OF NEW CONSTRUCTION. COORDINATE AND ADJUST NEW WORK AS REQUIRED TO AVOID CONFLICTS WITH EXISTING SERVICES.

- PROVIDE THE FOLLOWING PIPE AND FITTING MATERIALS FOR THE APPLICATIONS INDICATED:
- NEW WASTE PIPING TO MATCH EXISTING. - NEW WATER LINES TO BE TYPE "L" COPPER PIPING.
- ALL NEW PLUMBING LINES SHALL BE THOROUGHLY TESTED (WATER OR AIR)BEFORE BEING COVERED WITH OR CONCEALED BY CONSTRUCTION AND SHALL BE FREE FROM ALL IMPERFECTION.
- NEW SANITARY PIPING SHALL BE SUBJECTED TO A HYDROSTATIC TEST OF NOT LESS THAN TEN FEET OF WATER COLUMN AND PROVEN TIGHT.
- NEW WATER PIPING SHALL BE TESTED WITH WATER UNDER PRESSURE OF 150 PSI FOR A PERIOD OF THREE HOURS AND MADE TIGHT AT THIS PRESSURE.
- AFTER INSTALLATION AND TESTING THOROUGHLY FLUSH ALL PIPING TO REMOVE SOLIDS OR CONTAMINATED MATERIAL THAT MAY HAVE BECOME LODGED IN THE PIPE. SUFFICIENT FLUSHING WATER SHALL BE INTRODUCED AND THIS FLOW SHALL BE MAINTAINED UNTIL THE DISCHARGE IS CLEAN AND CLEAR, AND DOES NOT SHOW EVIDENCE OF SILT OR FOREIGN MATTER WHEN A SAMPLE IS VISUALLY INSPECTED.



- 5" CONCRETE FLOOR SLAB W/ 6x6-W2.9 x W2.9 W.W.F. I I/2" DOWN FROM TOP OF SLAB. OVER VAPOR RETARDER ON 6" MINIMUM COMPACTED GRANULAR DRAINAGE FILL ON COMPACTED BACKFILL - 1/2"\$ DOWELS X 1'-0" LONG AT 24"
O.C. STAGGERED. DRILL RECEPTOR
HOLES 6" INTO EXISTING SLAB AND

FIN. FLOOR

SECTION AT CONCRETE
FLOOR SLAB PATCH AI NOT TO SCALE

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-PLASTIC TOILET PARTITIONS. (TYPICAL)

-EXISTING GRAB BARS

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DATE: 11/21/2024 REVISED:

WEINTE WEINTE 17840 V

PROJECT NO.

2408-02

NUMBER SHEET

OF 5 SHEETS

#### **SECTION 013300 - SUBMITTAL PROCEDURES**

# PART 1 - GENERAL

#### 1.1 SUMMARY

Section includes requirements for the submittal schedule and administrative and procedural requirements for submitting Shop Drawings, Product Data, Samples, and other submittals.

#### **DEFINITIONS**

- Action Submittals: Written and graphic information and physical samples that require Architect's responsive action. Action submittals are those submittals indicated in individual Specification Sections as "action submittals."
- Informational Submittals: Written and graphic information and physical samples that do not require Architect's responsive action. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as "informational submittals."
- C. File Transfer Protocol (FTP): Communications protocol that enables transfer of files to and from another computer over a network and that serves as the basis for standard Internet protocols. An FTP site is a portion of a network located outside of network firewalls within which internal and external users are able to access
- D. Portable Document Format (PDF): An open standard file format licensed by Adobe Systems used for representing documents in a device-independent and display resolution-independent fixed-layout document format.

#### 1.3 ACTION SUBMITTALS

- Submittal Schedule: Submit a schedule of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, ordering, manufacturing, fabrication, and delivery when establishing dates. Include additional time required for making corrections or revisions to submittals noted by Architect and additional time for handling and reviewing submittals required by those corrections.
- 1. Coordinate submittal schedule with list of subcontracts, the schedule of values, and Contractor's construction schedule
- 2. Final Submittal: Submit concurrently with the first complete submittal of Contractor's construction schedule.
  - a. Submit revised submittal schedule to reflect changes in current status and timing for submittals.

#### 3. Format: Arrange the following information in a tabular format:

- Scheduled date for first submittal.
- Specification Section number and title. Submittal category: Action; informational
- Name of subcontractor.
- Description of the Work covered.
- Scheduled date for Architect's final release or approval. Scheduled date of fabrication.
- Scheduled dates for purchasing
- Scheduled dates for installation.

# SUBMITTAL ADMINISTRATIVE REQUIREMENTS

- Architect's Digital Data Files: Electronic digital data files of the Contract Drawings will not be provided by Architect for Contractor's use in preparing
- B. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
  - Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
  - Submit all submittal items required for each Specification Section concurrently unless partial submittals for portions of the Work are
  - indicated on approved submittal schedule. Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate
  - Coordinate transmittal of different types of submittals for related parts of the Work so processing will not be delayed because of need to review submittals concurrently for coordination.
  - a. Architect reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.
- Processing Time: Allow time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Architect's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.
- Initial Review: Allow 15 days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required. Architect will advise Contractor when a submittal being processed must be delayed for coordination.
- Intermediate Review: If intermediate submittal is necessary, process it in same manner as initial submittal.
- Resubmittal Review: Allow 15 days for review of each resubmittal. Sequential Review: Where sequential review of submittals by Architect's consultants, Owner, or other parties is indicated, allow 21 days for initial review of each submittal.
- Paper Submittals: Place a permanent label or title block on each submittal item
- Indicate name of firm or entity that prepared each submittal on label or
- Provide a space approximately 6 by 8 inches on label or beside title block to record Contractor's review and approval markings and action taken by
- Include the following information for processing and recording action
- Project name.
- Name of Architect.
- Name of Contractor. Name of subcontractor.

Name of supplier.

- Submittal number or other unique identifier, including revision
- Submittal number shall use Specification Section number followed by a decimal point and then a sequential number (e.g., 061000.01). Resubmittals shall include an alphabetic suffix after another decimal point (e.g., 061000.01.A).
- Number and title of appropriate Specification Section.
- Drawing number and detail references, as appropriate.
- Location(s) where product is to be installed, as appropriate. Other necessary identification.
- 4. Transmittal for Paper Submittals: Assemble each submittal individually and appropriately for transmittal and handling. Transmit each submittal using a transmittal form. Architect will return without review submittals received from sources other than Contractor.
  - a. Transmittal Form for Paper Submittals: Use form acceptable to the
- b. Transmittal Form for Paper Submittals: Provide locations on form
- for the following information:
- Project name.
- Date.
- Destination (To:).
- Source (From:). Name and address of Architect.
- Name of Contractor.
- Name of firm or entity that prepared submittal. Names of subcontractor, manufacturer, and supplier.
- Category and type of submittal. 10) Submittal purpose and description.
- 11) Specification Section number and title.
- 12) Drawing number and detail references, as appropriate.
- 13) Indication of full or partial submittal.
- 14) Submittal and transmittal distribution record.
- 15) Remarks.
- 16) Signature of transmitter.
- Electronic Submittals: Identify and incorporate information in each electronic submittal file as follows:
- 1. Assemble complete submittal package into a single indexed file incorporating submittal requirements of a single Specification Section and transmittal form with links enabling navigation to each item.
- 2. Name file with submittal number or other unique identifier, including revision identifier.
  - a. File name shall use project identifier and Specification Section number followed by a decimal point and then a sequential number (e.g., LNHS-061000.01). Resubmittals shall include an alphabetic suffix after another decimal point (e.g., LNHS-061000.01.A).
- 3. Provide means for insertion to permanently record Contractor's review and
- approval markings and action taken by Architect. 4. Transmittal Form for Electronic Submittals: Use electronic form acceptable to the Architect, containing the following information:
  - Project name.

  - Name and address of Architect
  - Name of Contractor.
  - Name of firm or entity that prepared submittal. Names of subcontractor, manufacturer, and supplier.
  - Category and type of submittal.
  - Submittal purpose and description. Specification Section number and title.
  - Drawing number and detail references, as appropriate.
- Location(s) where product is to be installed, as appropriate.
- Related physical samples submitted directly. Indication of full or partial submittal.
- Submittal and transmittal distribution record. Other necessary identification.
- Remarks.

# Options: Identify options requiring selection by Architect.

- Deviations and Additional Information: On an attached separate sheet, prepared on Contractor's letterhead, record relevant information, requests for data, revisions other than those requested by Architect on previous submittals, and deviations from requirements in the Contract Documents, including minor variations and limitations. Include same identification information as related
- Resubmittals: Make resubmittals in same form and number of copies as initial
  - 1. Note date and content of previous submittal.
  - 2. Note date and content of revision in label or title block and clearly indicate
  - 3. Resubmit submittals until they are marked with approval notation from Architect's action stamp.
- Distribution: Furnish copies of final submittals to manufacturers, subcontractors, suppliers, fabricators, installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.
- Use for Construction: Retain complete copies of submittals on Project site. Use only final action submittals that are marked with approval notation from Architect's action stamp.

# PART 2 - PRODUCTS

# SUBMITTAL PROCEDURES

- General Submittal Procedure Requirements: Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
  - 1. Submit electronic submittals via email as PDF electronic files.
    - Architect will return annotated file. Annotate and retain one copy of file as an electronic Project record document file.
- B. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
  - 1. If information must be specially prepared for submittal because standard published data are not suitable for use, submit as Shop Drawings, not as

- 2. Mark each copy of each submittal to show which products and options are
- Include the following information, as applicable:
- Manufacturer's catalog cuts.
- Manufacturer's product specifications. Standard color charts.
- Statement of compliance with specified referenced standards. Testing by recognized testing agency.
- Application of testing agency labels and seals. Notation of coordination requirements.
- Availability and delivery time information.
- 4. For equipment, include the following in addition to the above, as
  - Wiring diagrams showing factory-installed wiring.
  - Printed performance curves.
  - Operational range diagrams. d. Clearances required to other construction, if not indicated on accompanying Shop Drawings.
- Submit Product Data before or concurrent with Samples. Submit Product Data in the following format:
- PDF electronic file.
- One paper copy of Product Data unless otherwise indicated. Architect will not return copies.
- C. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or
- standard printed data. 1. Preparation: Fully illustrate requirements in the Contract Documents.
- Include the following information, as applicable:
  - Identification of products.
- Compliance with specified standards. Notation of coordination requirements.
- Notation of dimensions established by field measurement.
- Relationship and attachment to adjoining construction clearly
- Seal and signature of professional engineer if specified.
- Sheet Size: Except for templates, patterns, and similar full-size drawings, submit Shop Drawings on sheets at least 8-1/2 by 11 inches, but no larger
- than 24 by 36 inches. 3. Submit Shop Drawings in the following format:
- PDF electronic file.
- One opaque (bond) copies of each submittal. Architect will not
- Samples: Submit Samples for review of kind, color, pattern, and texture for a check of these characteristics with other elements and for a comparison of these characteristics between submittal and actual component as delivered and
- 1. Transmit Samples that contain multiple, related components such as
- accessories together in one submittal package. Identification: Attach label on unexposed side of Samples that includes the
  - Generic description of Sample.

construction associated with each set.

- Product name and name of manufacturer.
- Sample source. Number and title of applicable Specification Section.
- Specification paragraph number and generic name of each item. 3. For projects where electronic submittals are required, provide corresponding electronic submittal of Sample transmittal, digital image file
- illustrating Sample characteristics, and identification information for 4. Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of
  - Samples that may be incorporated into the Work are indicated in individual Specification Sections. Such Samples must be in an
  - undamaged condition at time of use. Samples not incorporated into the Work, or otherwise designated as Owner's property, are the property of Contractor.

5. Samples for Initial Selection: Submit manufacturer's color charts

textures, and patterns available. a. Number of Samples: Submit two full set(s) of available choices where color, pattern, texture, or similar characteristics are required to be selected from manufacturer's product line. Architect will return

consisting of units or sections of units showing the full range of colors,

- submittal with options selected. 6. Samples for Verification: Submit full-size units or Samples of size indicated, prepared from same material to be used for the Work, cured and finished in manner specified, and physically identical with material or product proposed for use, and that show full range of color and texture variations expected. Samples include, but are not limited to, the following: partial sections of manufactured or fabricated components; small cuts or containers of materials; complete units of repetitively used materials; swatches showing color, texture, and pattern; color range sets; and
  - Number of Samples: Submit three sets of Samples. Architect will retain two Sample sets; remainder will be returned. Mark up and retain one returned Sample set as a project record sample.

components used for independent testing and inspection.

Submit a single Sample where assembly details, workmanship, fabrication techniques, connections, operation, and other similar characteristics are to be demonstrated.

2) If variation in color, pattern, texture, or other characteristic is

inherent in material or product represented by a Sample,

submit at least three sets of paired units that show

approximate limits of variations. Qualification Data: Prepare written information that demonstrates capabilities and experience of firm or person. Include lists of completed projects with project names and addresses, contact information of architects and owners, and other

information specified.

Welding Certificates: Prepare written certification that welding procedures and personnel comply with requirements in the Contract Documents. Submit record of Welding Procedure Specification and Procedure Qualification Record on AWS forms. Include names of firms and personnel certified.

- Material Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting test results of material for compliance with requirements in the Contract Documents.
- H. Product Test Reports: Submit written reports indicating that current product produced by manufacturer complies with requirements in the Contract Documents. Base reports on evaluation of tests performed by manufacturer and witnessed by a qualified testing agency, or on comprehensive tests performed by a qualified
- I. Field Test Reports: Submit written reports indicating and interpreting results of field tests performed either during installation of product or after product is installed in its final location, for compliance with requirements in the Contract

## DELEGATED-DESIGN SERVICES

- A. Performance and Design Criteria: Where professional design services or certifications by a design professional are specifically required of Contractor by the Contract Documents, provide products and systems complying with specific performance and design criteria indicated.
- 1. If criteria indicated are not sufficient to perform services or certification required, submit a written request for additional information to Architect.
- Delegated-Design Services Certification: In addition to Shop Drawings, Product Data, and other required submittals, submit digitally signed PDF electronic file and two paper copies of certificate, signed and sealed by the responsible design professional, for each product and system specifically assigned to Contractor to be designed or certified by a design professional.
- Indicate that products and systems comply with performance and design criteria in the Contract Documents. Include list of codes, loads, and other factors used in performing these services.

# PART 3 - EXECUTION

# CONTRACTOR'S REVIEW

- A. Action and Informational Submittals: Review each submittal and check for coordination with other Work of the Contract and for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Architect.
- Approval Stamp: Stamp each submittal with a uniform, approval stamp. Include Project name and location, submittal number, Specification Section title and number, name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.

## ARCHITECT'S ACTION

- Action Submittals: Architect will review each submittal, make marks to indicate corrections or revisions required, and return it. Architect will stamp each submittal with an action stamp and will mark stamp appropriately to indicate action.
- Informational Submittals: Architect will review each submittal and will not return it, or will return it if it does not comply with requirements. Architect will forward
- C. Partial submittals prepared for a portion of the Work will be reviewed when use of partial submittals has received prior approval from Architect.
- be returned for resubmittal without review. Submittals not required by the Contract Documents may be returned by the

D. Incomplete submittals are unacceptable, will be considered nonresponsive, and will

# END OF SECTION 013300

# SECTION 016000 - PRODUCT REQUIREMENTS

Architect without action.

- SUMMARY Section includes administrative and procedural requirements for selection of products for use in Project; product delivery, storage, and handling; manufacturers'

standard warranties on products; special warranties; and comparable products.

- B. In the event of disagreement between drawings and specifications or with either documents, it is the better quality or greater quantity of work which shall take
- C. The contractor is responsible for reviewing the drawings, specifications and site prior to submitting their bid.

- **DEFINITIONS** Products: Items obtained for incorporating into the Work, whether purchased for Project or taken from previously purchased stock. The term "product" includes the terms "material," "equipment," "system," and terms of similar intent.
- Named Products: Items identified by manufacturer's product name, including make or model number or other designation shown or listed in manufacturer's published product literature, that is current as of date of the
- project or facility. Products salvaged or recycled from other projects are not considered new products. 3. Comparable Product: Product that is demonstrated and approved through submittal process to have the indicated qualities related to type, function, dimension, in-service performance, physical properties, appearance, and

other characteristics that equal or exceed those of specified product.

Basis-of-Design Product Specification: A specification in which a specific

2. New Products: Items that have not previously been incorporated into another

manufacturer's product is named and accompanied by the words "basis-of-design product," including make or model number or other designation, to establish the significant qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics for purposes of evaluating comparable products of additional manufacturers named in the specification.

### ACTION SUBMITTALS

- A. Comparable Product Requests: Submit request for consideration of each comparable product. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers
- Architect's Action: If necessary, Architect will request additional information or documentation for evaluation within one week of receipt of a comparable product request. Architect will notify Contractor of approval or rejection of proposed comparable product request within 15 days of receipt of request, or seven days of receipt of additional information or
  - a. Form of Approval: As specified in Section 013300 "Submittal
  - b. Use product specified if Architect does not issue a decision on use of a comparable product request within time allocated.
- Basis-of-Design Product Specification Submittal: Comply with requirements in Section 013300 "Submittal Procedures." Show compliance with requirements.

### **QUALITY ASSURANCE**

Compatibility of Options: If Contractor is given option of selecting between two or more products for use on Project, select product compatible with products previously selected, even if previously selected products were also options.

### PRODUCT DELIVERY, STORAGE, AND HANDLING

documentation, whichever is later.

Deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft and vandalism. Comply with manufacturer's written instructions.

### B. Delivery and Handling:

- Schedule delivery to minimize long-term storage at Project site and to prevent overcrowding of construction spaces.
- Coordinate delivery with installation time to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other losses. Deliver products to Project site in an undamaged condition in
- manufacturer's original sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting, and installing. Inspect products on delivery to determine compliance with the Contract

# protected.

1. Store products to allow for inspection and measurement of quantity or

Documents and to determine that products are undamaged and properly

weathertight enclosure above ground, with ventilation adequate to prevent

humidity, ventilation, and weather-protection requirements for storage.

- Store materials in a manner that will not endanger Project structure. Store products that are subject to damage by the elements, under cover in a
- Protect foam plastic from exposure to sunlight, except to extent necessary
- for period of installation and concealment. Comply with product manufacturer's written instructions for temperature,

PRODUCT WARRANTIES A. Warranties specified in other Sections shall be in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of

Protect stored products from damage and liquids from freezing.

- obligations under requirements of the Contract Documents. Manufacturer's Warranty: Written warranty furnished by individual
- manufacturer for a particular product and specifically endorsed by manufacturer to Owner. Special Warranty: Written warranty required by the Contract Documents
- to provide specific rights for Owner. Special Warranties: Prepare a written document that contains appropriate terms and identification, ready for execution.
- information and properly executed. Specified Form: When specified forms are included with the Specifications, prepare a written document using indicated form properly

requirements for submitting special warranties.

Manufacturer's Standard Form: Modified to include Project-specific

Refer to other Sections for specific content requirements and particular

# PART 2 - PRODUCTS

- PRODUCT SELECTION PROCEDURES General Product Requirements: Provide products that comply with the Contract Documents, are undamaged and, unless otherwise indicated, are new at time of
- Provide products complete with accessories, trim, finish, fasteners, and other items needed for a complete installation and indicated use and effect.
- produced and used successfully in similar situations on other projects. Owner reserves the right to limit selection to products with warranties not in conflict with requirements of the Contract Documents.

Standard Products: If available, and unless custom products or nonstandard

options are specified, provide standard products of types that have been

Where products are accompanied by the term "as selected," Architect will

Descriptive, performance, and reference standard requirements in the Specifications establish salient characteristics of products.

# Product Selection Procedures:

- Product: Where Specifications name a single manufacturer and product, provide the named product that complies with requirements. Comparable products or substitutions for Contractor's convenience will not be
- Manufacturer/Source: Where Specifications name a single manufacturer or source, provide a product by the named manufacturer or source that complies with requirements. Comparable products or substitutions for Contractor's convenience will not be considered. Products:
  - COPYRIGHT 2024 C S D P ARCHITECTURE GROUP, INC.

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Nonrestricted List: Where Specifications include a list of names of both available manufacturers and products, provide one of the products listed, or an unnamed product, that complies with requirements. Comply with requirements in "Comparable Products" Article for consideration of an unnamed product.

### 4. Manufacturers:

- a. Restricted List: Where Specifications include a list of manufacturers' names, provide a product by one of the manufacturers listed that complies with requirements. Comparable products or substitutions for Contractor's convenience will not be considered unless otherwise indicated.
- Nonrestricted List: Where Specifications include a list of available manufacturers, provide a product by one of the manufacturers listed, or a product by an unnamed manufacturer, that complies with requirements. Comply with requirements in "Comparable Products" Article for consideration of an unnamed manufacturer's product.
- Basis-of-Design Product: Where Specifications name a product, or refer to a product indicated on Drawings, and include a list of manufacturers, provide the specified or indicated product or a comparable product by one of the other named manufacturers. Drawings and Specifications indicate sizes, profiles, dimensions, and other characteristics that are based on the product named. Comply with requirements in "Comparable Products" Article for consideration of an unnamed product by one of the other named manufacturers.
- C. Visual Matching Specification: Where Specifications require "match Architect's sample", provide a product that complies with requirements and matches Architect's sample. Architect's decision will be final on whether a proposed product matches.
- 1. If no product available within specified category matches and complies with other specified requirements, comply with requirements in Section 012500 "Substitution Procedures" for proposal of product.
- D. Visual Selection Specification: Where Specifications include the phrase "as selected by Architect from manufacturer's full range" or similar phrase, select a product that complies with requirements. Architect will select color, gloss, pattern, density, or texture from manufacturer's product line that includes both standard and premium items.

### COMPARABLE PRODUCTS

- Conditions for Consideration: Architect will consider Contractor's request for comparable product when the following conditions are satisfied. If the following conditions are not satisfied, Architect may return requests without action, except to record noncompliance with these requirements:
  - 1. Evidence that the proposed product does not require revisions to the Contract Documents, that it is consistent with the Contract Documents and will produce the indicated results, and that it is compatible with other portions of the Work.
  - Detailed comparison of significant qualities of proposed product with those named in the Specifications. Significant qualities include attributes such as performance, weight, size, durability, visual effect, and specific features and requirements indicated.
  - Evidence that proposed product provides specified warranty.
  - List of similar installations for completed projects with project names and addresses and names and addresses of architects and owners, if requested.
  - Samples, if requested.

# PART 3 - EXECUTION (Not Used)

# END OF SECTION 016000

# SECTION 66116 - SOLID SURFACING WALL PANELS

# PART 1 - GENERAL

# 1.1 SUMMARY

- Section Includes:
- 1. Solid surface wall cladding panels.
- ACTION SUBMITTALS
- Product Data: For Wall cladding
- Shop Drawings: For Cladding, Show materials, finishes, edge profiles, methods
  - 1. Show locations and details of joints. 2. Show direction of directional pattern, if any.

1. Cladding material, 6 inches square.

- Samples for Verification: For the following products:
- 1.3 FIELD CONDITIONS
- A. Field Measurements: Verify dimensions of cladding by field measurements.
- COORDINATION
- A. Coordinate locations of utilities that will penetrate cladding.

# PART 2 - PRODUCTS

- SOLID SURFACE WALL CLADDING
- Solid Surface Material: Homogeneous-filled plastic resin complying with
  - Manufacturers: Subject to compliance with requirements, provide products by the following:

- a. DuPont; DuPont de Nemours, Inc, Corian.
- Material Thickness: 1/4 inch, Nominal Colors and Patterns: Deep Cloud.

#### ACCESSORIES

- Adhesive: As recommended by plastic paneling manufacturer.
- Sealant: Mildew-resistant, single-component, neutral-curing silicone sealant recommended by solid surface manufacturer.
- **FABRICATION**
- Fabricate components in shop, to greatest extent practicable, in sizes and shapes indicated according to approved shop drawings and manufacturer's published fabrication requirements.
- Form joint seams between solid surfacing components with specified seam adhesive. Completed joints inconspicuous in appearance and without voids.
- Provide holes and cutouts indicated on approved shop drawings. Rout cutouts and complete by sanding all edges smooth.

#### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- Examine substrates and conditions that could adversely affect the work of this
- Substrates must be sound, flat, smooth, and free from dust or other surface
- Proceed with installation only after unsatisfactory conditions have been corrected.

### INSTALLATION

- Install wall cladding panels plumb, level, and true according to approved shop drawings and manufacturer's published installation instructions. Shim as required during installation process. Use woodworking and specialized fabrication tools acceptable to manufacturer.
- B. Rout all wall cladding panels to size; sawcuts are not permissible. Cutouts must also be routed with eased edges.
- Provide eased panel edges where specified silicone sealant is required to fill gap
- Attach wall cladding panels to substrate with specified construction adhesive. Apply construction adhesive as 1/4 inch beads in locations and spacing according to manufacturer's published installation instructions. Provide temporary bracing until adhesive has to set to proper strength. Promptly remove excess adhesive.
- Form wall cladding joint seams for multiple panels with specified joint adhesive. Seams in locations shown on approved shop drawings and acceptable to manufacturer. Promptly remove excess adhesive.
- Top of panels to have beveled edge to shed water.

# CLEANING AND PROTECTION

- Clean solid surfacing components according to manufacturer's published maintenance instructions. Completely remove excess adhesives and sealants from
- Protect completed work from damage during remainder of construction period.

# END OF SECTION 066116

# SECTION 096516 - RESILIENT SHEET FLOORING

# PART 1 - GENERAL

- 1.1 RELATED DOCUMENTS
- Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this
- SUMMARY
- Section Includes
- Unbacked vinyl sheet flooring.
- **ACTION SUBMITTALS**
- Product Data: For each type of product.
- Shop Drawings: For each type of resilient sheet flooring.
  - Include sheet flooring layouts, locations of seams, edges, columns,
- doorways, enclosing partitions, built-in furniture, cabinets, and cutouts. 2. Show details of special patterns. Samples for Verification: For each type of resilient sheet flooring, in

manufacturer's standard size, but not less than 6-by-9-inch sections of each color,

- texture, and pattern required. 1. For heat-welding bead, manufacturer's standard-size Samples, but not less than 9 inches long, of each color required.
- Qualification Data: For Installer.

INFORMATIONAL SUBMITTALS

- 1.5 MAINTENANCE MATERIAL SUBMITTALS
- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Resilient Sheet Flooring: Furnish 10 linear feet in roll form and in full roll width for each type, color, and pattern of flooring installed.

# 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are competent in techniques required by manufacturer for resilient sheet flooring installation and seaming method indicated.
- DELIVERY, STORAGE, AND HANDLING
- Store resilient sheet flooring and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F. Store rolls upright.
- FIELD CONDITIONS
- Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 85 deg F, in spaces to receive resilient sheet flooring during the following periods:
  - 48 hours before installation.
  - During installation. 48 hours after installation.
- B. Close spaces to traffic during resilient sheet flooring installation.
- C. Close spaces to traffic for 48 hours after resilient sheet flooring installation.
- D. Install resilient sheet flooring after other finishing operations, including painting, have been completed.

### PART 2 - PRODUCTS

- 2.1 PERFORMANCE REQUIREMENTS
- 2.2 UNBACKED VINYL SHEET FLOORING
- A. Basis of Design: Mipolam Affinity by Gerflor.
- B. Seamless-Installation Method: Heat welded.
- C. Colors and Patterns: 7245 Gray
- INSTALLATION MATERIALS
- Trowelable Leveling and Patching Compounds: Latex-modified, portland-cementbased or blended hydraulic-cement-based formulation provided or approved by resilient sheet flooring manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by flooring and adhesive manufacturers to suit resilient sheet flooring and substrate conditions indicated.
- C. Seamless-Installation Accessories:
  - Heat-Welding Bead: Manufacturer's solid-strand product for heat welding
    - a. Colors: Match flooring.
- D. Integral-Flash-Cove-Base Accessories:
  - 1. Cove Strip: 1-inch radius provided or approved by resilient sheet flooring
  - 2. Cap Strip: Square metal cap provided or approved by resilient sheet flooring

# **PART 3 - EXECUTION**

- 3.1 EXAMINATION
- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the
- 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient sheet flooring.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

# 3.2 PREPARATION

- A. Prepare substrates according to resilient sheet flooring manufacturer's written instructions to ensure adhesion of resilient sheet flooring.
- B. Concrete Substrates: Prepare according to ASTM F710.
  - 1. Verify that substrates are dry and free of curing compounds, sealers, and
  - Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by resilient sheet flooring manufacturer. Do not use

3. Alkalinity and Adhesion Testing: Perform tests recommended by resilient

sheet flooring manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by adhesive manufacturer Moisture Testing: Perform tests so that each test area does not exceed 200

sq. ft. and perform no fewer than three tests in each installation area and

a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-

with test areas evenly spaced in installation areas.

emission rate of 3 lb of water/1000 sq. ft. in 24 hours. b. Relative Humidity Test: Using in-situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.

- C. Fill cracks, holes, depressions and entire surface of substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- D. Do not install resilient sheet flooring until materials are the same temperature as space where they are to be installed
- 1. At least 48 hours in advance of installation, move flooring and installation materials into spaces where they will be installed.
- Immediately before installation, sweep and vacuum clean substrates to be covered by resilient sheet flooring.
- RESILIENT SHEET FLOORING INSTALLATION
- Comply with manufacturer's written instructions for installing resilient sheet
- B. Unroll resilient sheet flooring and allow it to stabilize before cutting and fitting.
- C. Lay out resilient sheet flooring as follows:
  - Maintain uniformity of flooring direction.
- Minimize number of seams; place seams in inconspicuous and low-traffic areas, at least 6 inches away from parallel joints in flooring substrates.
- Match edges of flooring for color shading at seams.
- Avoid cross seams.
- D. Scribe and cut resilient sheet flooring to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and
- E. Extend resilient sheet flooring into toe spaces, door reveals, closets, and similar
- Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on resilient sheet flooring as marked on substrates. Use chalk or other nonpermanent marking device.
- G. Adhere resilient sheet flooring to substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.
- Seamless Installation:
- Heat-Welded Seams: Comply with ASTM F1516. Rout joints and heat weld with welding bead to fuse sections permanently into a seamless flooring installation. Prepare, weld, and finish seams to produce surfaces flush with adjoining flooring surfaces.
- Integral-Flash-Cove Base: Cove resilient sheet flooring 4 inches up vertical surfaces. Support flooring at horizontal and vertical junction with cove strip. Butt at top against cap strip.
- CLEANING AND PROTECTION
- A. Comply with manufacturer's written instructions for cleaning and protecting
- resilient sheet flooring. Perform the following operations immediately after completing resilient sheet
- Remove adhesive and other blemishes from surfaces. Sweep and vacuum surfaces thoroughly.
- Damp-mop surfaces to remove marks and soil. C. Protect resilient sheet flooring from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.

# END OF SECTION 096516

# **SECTION 099123 - PAINTING**

# PART 1 - GENERAL

- 1.1 SUMMARY Section includes surface preparation and the application of paint systems on interior and exterior substrates.
- 1.2 **DEFINITIONS**
- MPI Gloss Level 1: Not more than five units at 60 degrees and 10 units at 85 degrees, according to ASTM D 523.
- MPI Gloss Level 2: Not more than 10 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.

C. MPI Gloss Level 3: 10 to 25 units at 60 degrees and 10 to 35 units at 85 degrees,

- according to ASTM D 523. D. MPI Gloss Level 4: 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, according to ASTM D 523.
- MPI Gloss Level 5: 35 to 70 units at 60 degrees, according to ASTM D 523.
- MPI Gloss Level 6: 70 to 85 units at 60 degrees, according to ASTM D 523.
- G. MPI Gloss Level 7: More than 85 units at 60 degrees, according to ASTM D 523.

# ACTION SUBMITTALS

- Product Data: For each type of product. Include preparation requirements and application instructions.
- Samples for Verification: For each type of paint system and in each color and gloss of topcoat.

category specified, with the proposed product highlighted.

Include Printout of current "MPI Approved Products List" for each product

1. Submit Samples on rigid backing, 8 inches square.

- Apply coats on Samples in steps to show each coat required for system.
- Label each coat of each Sample. 4. Label each Sample for location and application area.
- Product List: Use same designations indicated on Drawings and in the Interior Painting Schedule to cross-reference paint systems specified in this Section.
- DELIVERY, STORAGE, AND HANDLING

Include color designations.

- Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.
- Maintain containers in clean condition, free of foreign materials and residue.
- 2. Remove rags and waste from storage areas daily.
- 1.5 FIELD CONDITIONS
- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.
- B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

# PART 2 - PRODUCTS

- PAINT, GENERAL
- A. MPI Standards: Products shall comply with MPI standards indicated and shall be
- Material Compatibility

listed in its "MPI Approved Products Lists."

1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application

as demonstrated by manufacturer, based on testing and field experience.

- 2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.
- Performance Coatings. D. Colors: As Follows:
  - 1. All Walls: Devoe color match to Sherwin Williams SW7004, Snowbound

Paint Manufacturer: Building Standard, all paint to be by Devoe High

2. Accent Walls: Devoe color match to Benjamin Moore, 2121-20 Steel Wool.

# PART 3 - EXECUTION

- 3.1 EXAMINATION
- Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting
- performance of the Work. Maximum Moisture Content of Substrates: When measured with an electronic
  - moisture meter as follows:

with existing finishes and primers.

- 1. Gypsum Board: 12 percent.
- C. Gypsum Board Substrates: Verify that finishing compound is sanded smooth. Verify suitability of substrates, including surface conditions and compatibility,
- E. Proceed with coating application only after unsatisfactory conditions have been
- 1. Application of coating indicates acceptance of surfaces and conditions.
- **PREPARATION** A. Comply with manufacturer's written instructions and recommendations in "MPI
- Architectural Painting Specification Manual" applicable to substrates and paint systems indicated. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface
- 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
- dirt, oil, grease, and incompatible paints and encapsulants. 1. Remove incompatible primers and reprime substrate with compatible

Clean substrates of substances that could impair bond of paints, including dust,

primers or apply tie coat as required to produce paint systems indicated. 2. Patch wall imperfections prior to painting. (Verify in Field)(Typical)

Use of Brush and roller are ok. (No spraying is allowed)

similar hinged items to match exposed surfaces.

preparation and painting.

- A. Apply paints according to manufacturer's written instructions and to recommendations in "MPI Manual."
- 2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only. 3. Paint front and backsides of access panels, removable or hinged covers, and
- Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates. 5. Primers specified in painting schedules may be omitted on items that are

factory primed or factory finished if acceptable to topcoat manufacturers.

Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color

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- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
- E. Painting Electrical, Communication, and Electronic Safety and Security Work: These items to not be painted and shall be protected during painting of walls.
- 3.4 FIELD QUALITY CONTROL
- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
  - Contractor shall touch up and restore painted surfaces damaged by testing.
  - If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.
- 3.5 CLEANING AND PROTECTION
- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore 2.3 damaged or defaced painted surfaces.
- 3.6 PAINTING SCHEDULE
- A. General: First paint coat (prime coat) may be omitted at previously painted surfaces and/or new surfaces with factory primer, subject to paint manufacturer's written instructions.
- B. Gypsum Board and Plaster Substrates: Including walls, ceilings, soffits, headers.
  - 1. Latex over Latex Sealer System:
    - a. Prime Coat: Primer sealer, latex, interior, MPI #50 (not required at existing walls with prior paint finish).
    - Intermediate Coat: Latex, interior, matching topcoat.
    - c. Topcoat: Latex, interior (MPI Gloss Level 3), MPI #52.

### END OF SECTION 099123

SECTION 102113.19 - PLASTIC TOILET COMPARTMENTS

# PART 1 - GENERAL

- 1.1 SUMMARY
- A. Section Includes
  - 1. Solid-plastic toilet compartments.
- ACTION SUBMITTALS
- Product Data:
- 1. Solid-plastic toilet compartments:
  - a. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for toilet compartments.
- B. Shop Drawings:
  - Include plans, elevations, sections, details, and attachment details.
  - Show locations of cutouts for compartment-mounted toilet accessories. Show locations of centerlines of toilet fixtures.
- C. Samples for Verification: Actual sample of finished products for each type of toilet
- compartment, hardware, and accessory. 1. Size: Manufacturer's standard size.
- D. Product Schedule: For toilet compartments, prepared by or under the supervision of supplier, detailing location and selected colors for toilet compartment material.
- 1.3 CLOSEOUT SUBMITTALS
  - A. Maintenance Data: For toilet compartments to include in maintenance manuals.
- 1.4 FIELD CONDITIONS
- A. Field Measurements: Verify actual locations of toilet fixtures, walls, columns, ceilings, and other construction contiguous with toilet compartments by field measurements, and coordinate before fabrication.

# PART 2 - PRODUCTS

- PERFORMANCE REQUIREMENTS
- A. Fire Performance: Tested in accordance with, and pass the acceptance criteria of, NFPA 286.
- Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines for Buildings and Facilities, ICC A117.1, and the Illinois Accessibility Code for toilet compartments designated as accessible.

- SOLID-PLASTIC TOILET COMPARTMENTS
- Manufacturers: Subject to compliance with requirements, provide the following:
- 1. Basis of Design Product: ASI Partitions, Solid Plastic HDPE Toilet
- B. Toilet-Enclosure Style: Overhead braced.
- C. Urinal-Screen Style: Wall hung with integral flanges and end Pilaster.
- D. Door, Panel, and Pilaster Construction: Solid, high-density polyethylene (HDPE) material, not less than 1 inch thick, seamless, with eased edges, and with homogenous color throughout thickness of material. Provide with nosightline system consisting of door and pilaster lapped edges on strike side of door and door and pilaster lapped edges on hinge side of door (unless continuous hinge is used).
  - 1. Color: 9237 Charcoal.
- 2. Privacy option: Provide compartments with no sightline privacy strips
- E. Door and Panels dimensions:
- Door and panels widths: See plans and elevations
- Door and Panel Height: 64 inches.
- Door and panel Height Above Floor: 9 inches
- Urinal-Screen Construction: Matching panel construction.
- G. Pilaster Shoes: Manufacturer's standard design; stainless steel.
- Pilaster Sleeves (Caps): Manufacturer's standard design; stainless steel.
- Brackets (Fittings): 1. Full-Height (Continuous) Type: Manufacturer's standard design; stainless
- HARDWARE AND ACCESSORIES
- Door Hardware and Accessories: Manufacturer's operating hardware and accessories.
- 1. Hinges:
- 2. Hinges: Manufacturer's minimum 0.062-inch thick, stainless steel selfclosing type that can be adjusted to hold doors open at any angle up to 90 degrees, allowing emergency access by lifting door. Mount with through
- 3. Latch and Keeper: Manufacturer's heavy-duty, surface-mounted, cast stainless steel latch unit, designed to resist damage due to slamming, with combination rubber-faced door strike and keeper, and with provision for emergency access. Provide units that comply with regulatory requirements for accessibility at toilet enclosures designated as accessible. Mount with through bolts.
- 4. Coat Hook: Manufacturer's heavy-duty, combination cast stainless steel hook and rubber-tipped bumper, sized to prevent inswinging door from
- hitting compartment-mounted accessories. Mount with through bolts. Door Bumper: Manufacturer's heavy-duty, rubber-tipped, cast stainless
- steel bumper at outswinging doors. Mount with through bolts. 6. Door Pull: Manufacturer's heavy-duty, cast stainless steel pull at outswinging doors that complies with regulatory requirements for accessibility. Provide units on both sides of doors at toilet enclosures
- Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with antigrip profile and in manufacturer's standard finish.

designated as accessible. Mount with through bolts.

- C. Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel, finished to match items they are securing, with theft-resistanttype heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use stainless steel, hot-dip galvanized steel, or other rust-resistant, protective-coated steel compatible with related materials.
- **MATERIALS**
- A. Stainless Steel Sheet: ASTM A240/A240M or ASTM A666, Type 304, stretcher-leveled standard of flatness.
- Stainless Steel Castings: ASTM A743/A743M.
- **FABRICATION**
- A. Fabricate toilet compartment components to sizes indicated. Coordinate requirements and provide cutouts for through-partition toilet accessories where required for attachment of toilet accessories.
- Overhead-Braced Units: Manufacturer's standard corrosion-resistant supports, leveling mechanism, and anchors at pilasters and walls to suit floor and wall conditions. Provide shoes at pilasters to conceal supports and leveling
- C. Door Size and Swings: Unless otherwise indicated, provide 24-inch wide, in swinging doors for standard toilet enclosures and 36-inch wide, in swinging doors with a minimum 32-inch wide, clear opening for toilet enclosures designated as accessible.

# PART 3 - EXECUTION

- 3.1 EXAMINATION
- Examine areas and conditions, with Installer present, for compliance with requirements for fastening, support, alignment, operating clearances, and other conditions affecting performance of the Work.
- 1. Confirm location and adequacy of blocking and supports required for installation.
- Proceed with installation only after unsatisfactory conditions have been

#### 3.2 INSTALLATION

- General: Comply with manufacturer's written installation instructions. Install units rigid, straight, level, and plumb. Secure units in position with manufacturer's recommended anchoring devices.
- Maximum Clearances:
  - Pilasters and Panels or Screens: 1/2 inch.
  - b. Panels or Screens and Walls: 1 inch.
- Full-Height (Continuous) Brackets: Secure panels or screens to walls and to pilasters with full-height brackets.
- a. Locate bracket fasteners, so holes for wall anchors occur in masonry or tile joints.
- b. Align brackets at pilasters with brackets at walls.
- B. Overhead-Braced Units: Secure pilasters to floor and level, plumb, and tighten. Set pilasters with anchors penetrating not less than 1-3/4 inches into structural floor unless otherwise indicated in manufacturer's written instructions. Secure continuous head rail to each pilaster with no fewer than two fasteners. Hang doors to align tops of doors with tops of panels and adjust, so tops of doors are parallel with overhead brace when doors are in closed position.
- C. Urinal Screens: Attach with anchoring devices to suit supporting structure. Set units level and plumb, rigid, and secured to resist lateral impact.
- 3.3 ADJUSTING
- A. Hardware Adjustment: Adjust and lubricate hardware in accordance with hardware manufacturer's written instructions for proper operation. Set hinges on in swinging doors to hold doors open approximately 30 degrees from closed position when unlatched. Set hinges on in swinging doors in accessible stall to return doors to fully closed position.

**END OF SECTION 102113.19** 

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DATE: 11/21/2024 **REVISED:** 

PROJECT NO. 2408-02

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