





# VERMILLION ELEMENTARY SCHOOL RESTROOMS

VERMILLION SCHOOL DISTRICT VERMILLION, SOUTH DAKOTA

**BIDDING DOCUMENTS** 

TSP PROJECT NO. 04252233







April 15, 2025

RE: Vermillion Elementary School Restrooms Vermillion, SD TSP Project No. 04252233

#### **SUMMARY**

PRODUCT LIST IS PROVIDED FOR CONTRACTORS TO BID THE FOLLOWING COMPARABLE PRODUCTS:

#### SECTION 033000 - CAST-IN-PLACE CONCRETE (SLAB PATCHING ONLY)

- 1. PERFORMANCE: COMPLY WITH THE FOLLOWING UNLESS MODIFIED BY REQUIREMENTS IN THE CONTRACT DOCUMENTS: ACI 301M, ACI 117M.
- 2. STEEL REINFORCEMENT: REINFORCING BARS: ASTM A615/A615M, GRADE 420 DEFORMED.
- 3. CONCRETE MATERIALS:
- A. CEMENTITIOUS MATERIALS: PORTLAND CEMENT COMPLYING WITH ASTM C150/C150M.
- B. NORMAL-WEIGHT AGGREGATES: ASTM C33/C33M.
- C. CHEMICAL ADMIXTURES: WATER-REDUCING ADMIXTURE: ASTM C494/C494M, TYPE A.

## **SECTION 061000 - ROUGH CARPENTRY**

- LUMBER: DOC PS 20 GRADED & MARKED BY ALSC CERTIFIED AGENCY STANDARDS, 19% MAX MOISTURE CONTENT, CONSTRUCTION OR NO. 2 GRADE FOR NON-LOAD-BEARING INTERIOR PARTITIONS, NO. 2 GRADE FOR EXTERIOR WALLS & LOAD-BEARING PARTITIONS.
- 2. FASTENERS: ASTM F 1667 NAILS / BRADS / STAPLES, NES NER-272 POWER-DRIVEN FASTENERS, ASTM A 307 & 563 BOLTS & HEX NUTS.

# **SECTION 072100 - THERMAL INSULATION**

1. ENCAPSULATED ACOUSTIC BLANKETS: OWEN CORNING SELECT SOUND BLANKETS OR APPROVED EQUAL.

## SECTION 075419 - MECHANICALLY FASTENED TPO ROOFING

WARRANTY: MAINTAIN EXISTING WARRANTY . PATCH AND REPAIR AT NEW VENT PENETRATIONS.

- 1. EPDM ROOFING MATERIAL: ASTM D4637, TYPE 1. 60 MIL TPO. MATCH EXISTING JOHNS MANVILLE "JM TPO 60 MIL".
- A. ROOF SYSTEM: METAL DECK, CLASS 1 VAPOR RETARDER, 5" BASE LAYER (MIN R-30) POLYISOCYANURATE INSULATION (MECHANICALLY FASTEN), TAPERED ROOF INSULATION, TPO MEMBRANE (WHITE, MECHANICALLY FASTENED).

#### **SECTION 078413 - PENETRATION FIRESTOPPING**

- 1. PENETRATION FIRESTOPPING SYSTEMS SHALL BEAR CLASSIFICATION MARKING OF A QUALIFIED TESTING AGENCY SUCH AS UL, INTERTEK GROUP, AND/OR LOCAL FM APPROVAL.
- 2. PENETRATIONS IN FIRE-RESISTANCE-RATED CONSTRUCTION: PENETRATION FIRESTOPPING SYSTEMS WITH RATINGS DETERMINED BY ASTM E814 OR UL 1479. MATCH EXISTING: "BIOSTOP BF150+ FIRESTOPPING SEALANT."

# SECTION 081113 - HOLLOW METAL DOORS & FRAMES

1. STEEL FRAMES: SDI A250.8, LEVEL 2; WELDED TYPE; 16 GA GALVANIZED SHEET STEEL, MITERED CORNERS; FACTORY PRIMED, FIELD PAINTED. MATCH EXISTING: CURRIES BY METAL DOORS & HARDWARE CO., 5-3/4".

# **SECTION 081416 - FLUSH WOOD DOORS**

WARRANTY: <LIFETIME WARRANTY> FROM DATE OF SUBSTANTIAL COMPLETION.

1. FLUSH WOOD DOORS: VTI INDUSTRIES ARCHITECTURAL WOOD DOORS; WDMA I.S 1-A; EXTRA HEAVY DUTY; PREMIUM GRADE A; SPECIES: SELECT WHITE MAPLE; BOOK & CENTER MATCH VENEERS; FIVE PLY BONDED PARTICLE BOARD







CONSTRUCTION; NON-RATED 20 & 45-MINUTE POSITIVE PRESSURE; FINISH: TRANSPARENT, SATIN. MATCH EXISTING DOOR STAIN, VTI COLOR: "OASIS OA18 111521".

## **SECTION 087100 - DOOR HARDWARE**

WARRANTY: THREE YEARS FROM DATE OF SUBSTANTIAL COMPLETION EXCEPT AS FOLLOWS. MANUAL CLOSERS TEN YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

#### TYPICAL RESTROOM HARDWARE GROUP

#### **Set: 41.0**

Doors: NEW RESTROOM DOOR (MATCHES EXISTING DOOR B-111)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK	(HI-7)
1	Dormitory / Exit Lock	ML2065 NSA CL27	630	CR	(LO-7)
1	SFIC Mortise Cylinder Housing	Size and Cam as Required	US32D		
1	Small Format Interchangeable Core	1C72	626	BE	CY-4
1	Surface Closer	7500 (Regular Arm Mount) SN-134	689	NO	CL-1
1	Kick Plate	K1050 10" x 34" high CSK BEV	US32D	RO	(KP-1)
1	Wall Stop	403	US26D	RO	(ST-1)
3	Silencer	608		MDH	(SI-1)

#### **SECTION 092216 - NON-STRUCTURAL METAL FRAMING**

- 1. STUDS AND TRACKS: ASTM C645.
- 2. 6" DEPTH AS INDICATED ON DRAWINGS.
- 3. MINIMUM BASE-STEEL THICKNESS: AS REQUIRED BY PERFORMANCE REQUIREMENTS FOR HORIZONTAL DEFLECTION.
- 4. HAT-SHAPED, RIGID FURRING CHANNELS: ASTM C645. DEPTH: AS INDICATED ON DRAWINGS:
- 5. SUSPENSION SYSTEMS: BASIS OF DESIGN < USG DRYWALL SUSPENSION SYSTEM. > 1 1/2 INCH FLANGE.
- 6. INSTALLING FRAMED ASSEMBLIES
- A. INSTALL FRAMING SYSTEM COMPONENTS ACCORDING TO SPACINGS INDICATED, BUT NOT GREATER THAN SPACINGS REQUIRED BY REFERENCED INSTALLATION STANDARDS FOR ASSEMBLY TYPES.
- B. INSTALL STUDS SO FLANGES WITHIN FRAMING SYSTEM POINT IN THE SAME DIRECTION.
- C. DOOR OPENINGS: SCREW VERTICAL STUDS AT JAMBS TO JAMB ANCHOR CLIPS ON DOOR FRAMES; INSTALL TRACK SECTION (FOR CRIPPLE STUDS) AT HEAD AND SECURE TO JAMB STUDS.
- i. INSTALL TWO STUDS AT EACH JAMB UNLESS OTHERWISE INDICATED.
- ii. INSTALL CRIPPLE STUDS AT HEAD ADJACENT TO EACH JAMB STUD, WITH A MINIMUM 1/2-INCH CLEARANCE FROM JAMB STUD TO ALLOW FOR INSTALLATION OF CONTROL JOINT IN FINISHED ASSEMBLY.
- iii. EXTEND JAMB STUDS THROUGH SUSPENDED CEILINGS AND ATTACH TO UNDERSIDE OF OVERHEAD STRUCTURE.

#### SECTION 092900 - GYPSUM BOARD

- 1. INTERIOR GYPSUM BOARD: AMERICAN GYPSUM CO. FIREBLOC OR APPROVED EQUAL; 5/8-INCH-THICK TYPE "X" WITH TAPERED LONG EDGES.
- 2. WATER-RESISTANT GYPSUM BACKING BOARD: AMERICAN GYPSUM CO. MBLOC OR APPROVED EQUAL; ASTM C1396/C1396M WITH MANUFACTURER'S STANDARD EDGES. 5/8" TYPE X.
- 3. TILE BACKER: DENSSHIELD TILE BACKER OR APPROVED EQUAL.







- 4. JOINT TREATMENT MATERIALS: COMPLY WITH ASTM C475/C475M.
- 5. CONTROL JOINTS: INSTALL PER ASTM C840 & AT 24'-0" O.C. IN SPECIFIC LOCATIONS APPROVED BY ARCHITECT.
- 6. TEXTURE FINISHES: SMOOTH.
- 7. GYPSUM BOARD FINISH LEVELS:
  - i. LEVEL 4: AT PANEL SURFACES THAT WILL BE EXPOSED TO VIEW UNLESS OTHERWISE INDICATED. PRIMER AND ITS APPLICATION TO SURFACES ARE SPECIFIED IN SECTION 099123 "INTERIOR PAINTING."

#### **SECTION 093000 - TILING**

- 1. PRODUCTS: ANSI A137.1. PROVIDE GIOIA PORCELAIN WALL TILE COLLECTION; THREE (3) COLORS: CT1 GIOIA BONE 4X16, CT2 GIOIA ROSSO 4X16, AND CT3 GIOIA STEEL 4X16. SUPPLIER: GREAT PLAINS TILE & STONE.
- 2. ACCESSORIES: METAL EDGE STRIPS: STAINLESS STEEL, HEIGHT TO MATCH ADJACENT TILE AND SETTING BED THICKNESS. USE AT TRANSITION TO OTHER MATERIALS.
  - A. WALL OUTSIDE CORNERS: SCHLUTER RONDEC
  - B. WALL TOP OF WAINSCOT OR BASE: SCHLUTER RONDEC
  - C. FLOOR TRANSITION TILE TO RESILIENT FLOORING: SCHLUTER RENO V
- 3. FABRICATION:
  - A. WATERPROOF MEMBRANE: ANSI A118.3. FLUID APPLIED MEMBRANE: LIQUID LATEX RUBBER OR ELASTOMERIC POLYMER. TEC HYDRAFLEX WATERPROOFING CRACK ISOLATION MEMBRANE OR EQUAL. INSTALL ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
  - B. SETTING MATERIALS: WATER CLEANABLE TILE SETTING EPOXY, ANSI 118.3 COMPLIANT, VOC < 65 g/L PER EPA METHOD 24; MAPEI, LATICRETE, OR ARCHITECT APPROVED EQUAL.
  - C. GROUT: WATER-CLEANABLE EPOXY GROUT, ANSI A118.3, VOC < 65 g/L, CUSTOM BUILDING PRODUCTS # 183 OR ARCHITECT APPROVED EQUAL.
  - D. ELASTOMERIC SEALANTS: POURABLE URETHANE SEALANT FOR USE T ASTM C920 COMPLIANT; TYPE S; GRADE NS; CLASS 25; FOR USE T. SIKA SIKAFLEX-1A OR ARCHITECT APPROVED EQUAL.
  - E. TILE BACKING PANELS: INSTALL ACCORDING TO ANSI A108.11 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
- 4. EXECUTION: PREPARE SUBSTRATES TO RECEIVE TILE AS RECOMMENDED BY TCNA.

#### SECTION 095113 - ACOUSTICAL PANEL CEILINGS

- 1. PRODUCTS: COMPLY WITH ASTM E 84, ASTM E 1264 AND ASTM E 119. PROVIDE USG MARS HIGH-NRC/HIGH-CAC (0.80/35) ACOUSTICAL CEILING PANELS (MATCHES EXISTING APC-1).
- 2. FABRICATION: COORDINATE WITH STRUCTURAL, LIGHTING, DIFFUSERS, GRILLES, AND SPRINKLERS.

## SECTION 096513 - RESILIENT BASE AND ACCESSORIES

- 1. PRODUCTS: PROVIDE TARKETT TRADITIONAL WALL BASE (RB-1), COLOR: 48 GREY WG; ASTM F 1861, Type TV (VINYL, THERMOPLASTIC).
  - A. GROUP: I (SOLID, HOMOGENEOUS).
  - B. STYLE AND LOCATION:
- 2. STYLE B, COVE: PROVIDE IN AREAS WITH RESILIENT FLOORING
- 3. MINIMUM THICKNESS: 0.125 INCH (3.2 MM)
- 4. HEIGHT: 4 INCHES (102 MM).
- 5. LENGTHS: COILS IN MANUFACTURER'S STANDARD LENGTH.
- 6. OUTSIDE CORNERS: JOB FORMED.
- 7. INSIDE CORNERS: JOB FORMED
- 8. EXECUTION: INSTALL AS RECOMMENDED BY MANUFACTURER.







#### **SECTION 096519 - RESILIENT TILE AND PLANK FLOORING**

- 1. PRODUCTS: MANNINGTON COMMERCIAL, COLOR ANCHOR LVT COLLECTION, STYLE: GROOVE; SIZE: 12" X 24"; THREE (3) COLORS: LVT-1 (LONDON FOG C119), LVT-2 (POPPY RED C103), LVT-3 STERLING GRAY C120
- 2. PRODUCTS: PERFORMANCE REQUIREMENTS
- A. FIRE-TEST-RESPONSE CHARACTERISTICS: FOR RESILIENT TILE FLOORING, AS DETERMINED BY TESTING IDENTICAL PRODUCTS ACCORDING TO ASTM E 648 OR NFPA 253 BY A QUALIFIED TESTING AGENCY.
- B. CRITICAL RADIANT FLUX CLASSIFICATION: CLASS I, NOT LESS THAN 0.45 W/SQ. CM.

#### **SECTION 099123 - INTERIOR PAINTING**

- 1. PRODUCTS: DIAMOND VOGEL: EAS E POXY EGGSHELL FOR ALL WALLS, DOORS AND DOOR FRAMES.
- 2. PRIMER FOR GYPSUM BOARD: DIAMOND VOGEL, POSI-PRIM PRO
- 3. PRIMER FOR FERROUS METAL: DIAMOND VOGEL, VERS-ACRYL, 3000
- 4. BLOCK FILLER AND PRIMER FOR CMU: DIAMOND VOGEL DIAPRO ACRYLIC BLOCK FILLER, AND OMNIPREP UNIVERSAL INTERIOR PRIMER.
- 5. PREPARATION AND APPLICATION:
  - i. LEVEL 4 DRYWALL PREPARATION REQUIRED.
  - 1. (1) COAT PRIMER
  - 2. TEXTURE: SMOOTH
  - 3. (1) COAT PRIMER
  - 4. (2) COATS INTERIOR PAINT
- 6. COLORS TO MATCH EXISTING:
  - i. P-1 MAIN WALL COLOR, HIRSHFIELDS SW7008 ALABASTER, ULTRA SPEC EGGSHELL.
  - ii. P-2 RED ACCENT, HIRSHFIELDS SW6594 POINSETTIA, ULTRA SPEC EGGSHELL.
  - iii. P-4 CEILINGS, HIRSHFIELDS SW7005 PURE WHITE, ULTRA SPEC EGGSHELL.

# **SECTION 099600 - HIGH-PERFORMANCE COATINGS**

1. SEE SECTION 099123 - INTERIOR PAINTING

#### **SECTION 102113 - TOILET COMPARTMENTS**

- DOOR, PANEL AND PILASTER: SCRANTON "ARIA" OR APPROVED EQUAL. FULL-HEIGHT FLOOR-TO-CEILING TOILET PARTITIONS. COLOR: TO BE SELECTED BY OWNER. PROVIDE 1" GAP AT BOTTOM OF PARTITIONS AND 4" GAP AT TOP OF PARTITIONS.
- 2. HARDWARE: STAINLESS STEEL.
- 3. ACCESSORIES (1 PER DOOR): LATCH AND KEEPER, COAT HOOK, DOOR BUMPER, DOOR PULL.

## **SECTION 102600 - WALL AND DOOR PROTECTION**

SPECIAL WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

- 1. PLASTIC: ASTM D 1784, CLASS 1, TEXTURED, STAIN- AND IMPACT RESISTANT PVC, INTEGRAL COLOR THROUGHOUT.
- 2. MATCH EXISTING: EPCO, ACROVYN CORNER GUARDS, SSM SERIES (SSM20AN 90 DEG, SURFACE-MOUNTED, 1/4" NOSE RADIUS, ALUMINUM RETAINER, CAPS. COLOR: 934 PEARL.
- 3. CG: CORNER GUARDS: 2" WINGS, 4' HIGH, .078" THICK.

# SECTION 102800 - TOILET, BATH AND LAUNDRY ACCESSORIES

SPECIAL WARRANTY PERIOD: FIFTEEN YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

- 1. STAINLESS STEEL: ASTM A666, TYPE 304, 0.031" MIN. NOM. THICKNESS.
- 2. WASHROOM ACCESSORIES: BASIS OF DESIGN LISTED OR APPROVED EQUAL.



# PRODUCT LIST





- A. GRAB BARS **<TA-GB>**: BASIS OF DESIGN **<**ASI SERIES 3800>. 1-1/2" DIAMETER WITH SNAP-ON FLANGE COVERS, PEENED NON-SLIP SURFACE. PROVIDE SIZES: 18" VERTICAL @ SIDEWALL, 36" HORIZONTAL @ BACKWALL, AND 42" HORIZONTAL @ SIDEWALL.
- B. MIRROR UNIT **<TA-MI>**: ASTM C1503, CLEAR-GLASS, 6MM NOM. THICKNESS. BASIS OF DESIGN <ASI SERIES 0600> INTER-LOCK STAINLESS STEEL FRAMED MIRROR. PROVIDE 24" X 36" SIZE.
- C. ROBE HOOK <TA-RH>: BASIS OF DESIGN <ASI 7308> SINGLE ROBE HOOK, 304 STAINLESS STEEL.
- D. CHANGING STATION **<TA-BCS>**: BASIS OF DESIGN <ASI 9018-0>. SURFACE MOUNTED STAINLESS STEEL HORIZONTAL BABY CHANGING STATION.
- E. TOILET TISSUE (ROLL) DISPENSER <TA-TP>: OWNER FURNISHED / OWNER INSTALLED.
- F. PAPER TOWEL DISPENSER **<TA-PTD>**: OWNER FURNISHED / OWNER INSTALLED.
- G. SOAP DISPENSER **<TA-SP>**: OWNER FURNISHED / OWNER INSTALLED.

#### **SECTION 101423 - INTERIOR PANEL SIGNAGE**

- 1. BASIS OF DESIGN: FORD SIGN CO.
- 2. MODIFIED ACRYLIC PANEL MATERIAL IS GEMINI DUETS STANDARD COLOR. MATCH EXISTING.
- 3. 1/32" TACTILE COPY AND GRAPHICS IN GEMINI DUETS STANDARD COLOR. MATCH EXISTING.
- 4. 3/4" ROOM DESIGNATION HT. HELVETICA STYLE.
- 5. BRAILLE TRANSLATION.
- 6. DOUBLE-FACED MOUNTING TAPE APPLIED.
- 7. VERBIAGE "RESTROOM", "GIRLS", "BOYS"

# **SECTION 224000 - PLUMBING FIXTURES**

- 1. WC-1 Water Closet Floor mounted
  - Kohler Wellcomme Ultra K-96053 Water Closet with Sloan Royal 111 Flush Valve and Bemis 1955 CT Commercial Heavy-Duty Seat. 15" rim height. No grab bars required. Connections: 4" W., 2" V. & 1 ½" CW
- 2. WC-1.1A Ambulatory Water Closet Floor mounted
  - Kohler Highcliff Ultra K-96057 Water Closet with Sloan Royal 111 Flush Valve and Bemis 1955 CT Commercial Heavy-Duty Seat. 15" to Rim. Provide 48" grab bars on each side mounted at 27" top of bar. Connections: 4" W., 2" V. &  $1\frac{1}{2}$ " CW
- 3. WC-1A ADA Water Closet Floor mounted
  - Kohler Highcliff Ultra K-96057 Water Closet with Sloan Royal 111 Flush Valve and Bemis 1955 CT Commercial Heavy-Duty Seat. 16.5" to Rim. Provide (3) grab bars (mounted at standard adult height) Connections: 4" W., 2" V. & 1 ½" CW
- 4. LAV 1A –Wall-Mount ADA Lav
  - Kohler Kingston Model K-2005 with Kohler Coralais K-151994NDRA Centerset Faucet. Provide floor mounted Lav carrier with concealed arms, ADA compliant offset drain, 1 ¼" P-trap, perforated strainer, chrome supplies & stops, pre-molded pipe insulation kit (white), ASSE 1070 point of use thermostatic mixing valve and transformer. Connections: 2" W., 1 1/2" V., ½" CW & ½" HW.
- 5. WF-1 Wash Fountain
  - Sloan EW-62000 SloanStone 2\_Station Wall-Mounted Sink, SloanStone Solid Surface, electronic sensors for hands free point of use activation, liquid soap dispenser, below deck mixing valve, plug-in transformer.
- Color to be selected by Arch. Connections: ½" CW, ½" HW, 2" W., 1 ½" V., 29-3/4" rim height.
- 6. FD-1 Floor Drain
  - JR SMITH 2010B Cast iron, nickel bronze adjustable strainer, flashing collar clamp and p-trap, square top Connections: 2" Waste/1 ½" V.







# **SECTION 262726 - ELECTRICAL WIRING DEVICES**

1. GFI Tamper Resistant Outlet(s) – Equivalent to Legrand 2097TR.

# **SECTION 260923 - ELECTRICAL LIGHTING CONTROL DEVICES**

1. Wall Occupancy Sensor(s) – Equivalent to Cooper Greengate ONW-D-1001-MV-W.

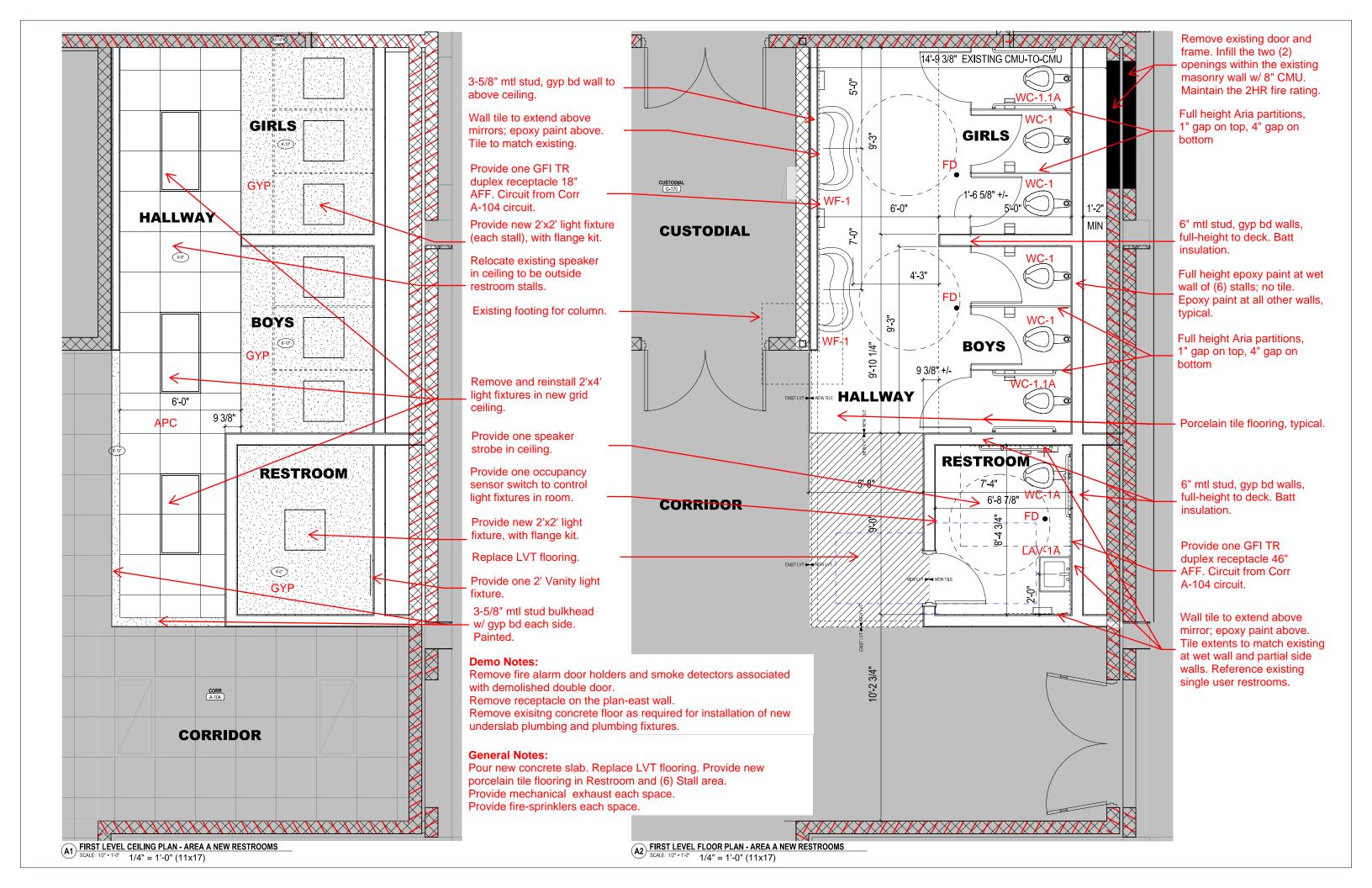
## **SECTION 265100 - ELECTRICAL INTERIOR LIGHTING**

- 1. 2''X2' Recessed Troffer Equivalent to Metalux 22FP2535HE. Provide flange kit (DF-22W-U) as needed for ceiling type.
- 2. 2' Vanity Light Fixture Equivalent to Metalux 2BCLED-LD4-16SL-F-UNV-L835-CD1-U.

## SECTION 283111 - ELECTRICAL DIGITAL ADDRESSABLE FIRE ALARM SYSTEM

- 1. Speaker Strobe Equivalent to SLSPSCW-F ## and U.L. Listed to work with existing Siemens Cerebrus Pro fire alarm system.
- 2. Speaker Equivalent to SLSPWW-F and U.L. Listed to work with existing Siemens Cerebrus Pro fire alarm system.











**VERMILLION ELEMENTARY SCHOOL - NEW RESTROOMS**SCRANTON PRODUCTS "ARIA" FULL-HEIGHT FLOOR-TO-CEILING TOILET PARTITIONS FOR (6) STALLS.