

**CITY OF OAK HILL  
FAYETTE COUNTY, WEST VIRGINIA**

**CITY PARK RENOVATIONS**

**ADDENDUM #1**

**JUNE 6, 2023**

**THRASHER PROJECT #T30-11197**

TO WHOM IT MAY CONCERN:

A Pre-Bid Conference was held on Tuesday, May 23, 2023, on the above-referenced project, a copy of the sign in sheet is included in this Addendum. The following are clarifications and responses to questions posed by contractors for the above reference project.

**A. GENERAL**

N/A

**B. SPECIFICATIONS**

N/A

**C. DRAWINGS**

1. Revised and new architectural drawings for the restroom / press box / concession building have been issued with this addendum and are attached for reference.

**D. QUESTIONS AND RESPONSES**

N/A

**E. CLARIFICATIONS**

1. The City of Oak Hill has elected to waive B&O Taxes from this project and this is not to be included in your bid.
2. The City of Oak Hill will be responsible for the building permit and associated fees.

\*\*\*Continued on Page 2.

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 3:00 p.m. on Friday, June 9, 2023, at Oak Hill City Hall, 100 Kelly Avenue, Oak Hill, WV. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.

*Samuel A Rich*

SAMUEL RICH  
Project Manager



*6/6/2023*

**CITY OF OAK HILL  
FAYETTE COUNTY, WEST VIRGINIA  
CITY PARK RENOVATIONS**

**PRE-BID CONFERENCE  
Tuesday, May 23, 2023 @ 2:00 p.m.**

**Thrasher Project #T30-11197**

Name	Representing	Phone #	Email Address
DUST SNIDER	MAIN STREET BUILDERS	304 487 3912	d.c.SNIDER@OUTLOOK.COM
<i>Wes Brown</i>	DCI/SHIRES, INC. PO BOX 1259, BLUEFIELD WV 24701 PH 304-323-1996 FAX 304-323-3037 EMAIL: robertdeeb@dcishires.com		
DERRICK SEARS	FOSTER SUPPLY	304-553-6565	dsears@fostersupply.com
Nick SHEETS	CENTRAL Supply	304-629-3874	nick.sheets@centralsupplywv.com
MARTIN PERCE	COURT STREET CONSTRUCTION	304-809-5038	martin@courtstreetconstruction.com
SAM PROCTOR	VERITAS Contracting LLC	304-598-2005	B.id@VERITASWV.COM
BRENT SINSEL	THE DIRT DOCTOR	304-614-9763	bsinsel@thedirtdoctor.com

## STANDARD ABBREVIATIONS

ABV	ABOVE	MATL	MATERIAL
ACT	ACOUSTIC CEILING TILE	MAX	MAXIMUM
AD	AREA DRAIN	MCJ	MASONRY CONTROL JOINT
AFF	ABOVE FINISHED FLOOR	MDF	MEDIUM DENSITY/ FIBERBOARD
ALT	ALTERNATE	MECH	MECHANICAL
ALUM	ALUMINUM	MFR	MANUFACTURER
ANOD	ANODIZED	MIN	MINIMUM
APPROX	APPROXIMATELY	MISC	MISCELLANEOUS
ARCH	ARCHITECTURAL(TECT)	MO	MASONRY OPENING
AWRB	AIR & WATER - RESISTIVE BARRIER	MOS	MANUALLY OPERATED SHADE
BIT	BITUMINOUS	MP	METAL PANEL
BLDG	BUILDING	MR	MOISTURE-RESISTANT
BLK	BLOCK	MTD	MOUNTED
BLW	BELOW	MTL	METAL
BOF	BOTTOM OF FOOTING	NC	NOISE CRITERIA
BRG	BEARING	NIC	NOT IN CONTRACT
BRK	BRICK	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CI	CONTINUOUS INSULATION	NO	NUMBER
CJ	CONTROL JOINT	NOM	NOMINAL
CL	CENTER LINE	NTS	NOT TO SCALE
CLG	CEILING	OC	ON CENTER
CPT	CARPET	OH	OVERHEAD OR OPPOSITE HAND
CT	CERAMIC TILE	ORD	OVERFLOW ROOF DRAIN
CTB	CERAMIC TILE BASE	OSB	ORIENTED STRAND BOARD
CMU	CONCRETE MASONRY UNIT	PERF	PERFORATED
COL	COLUMN	PLT	PLATE
COMP	COMPACTED	PLAM	PLASTIC LAMINATE
CONC	CONCRETE	PLYWD	PLYWOOD
CONT	CONTINUOUS	PR TRTD	PRESSURE TREATED
DEMO	DEMOLITION	PT	PAINT
DIA	DIAMETER	PTD	PAINTED
DN	DOWN	QTY	QUALITY
DR	DOOR	R	RADIUS OR RISER
DS	DOWNSPOUT	RB	RUBBER BASE
DW	DISHWASHER	RCP	REFLECTED CEILING PLAN
DWG	DRAWING	RD	ROOF DRAIN
EA	EACH	REFG	REFRIGERATOR
EJ	EXPANSION JOINT	REQ'D	REQUIRED
ELEV	ELEVATION	RM	ROOM
EQ	EQUAL	RO	ROUGH OPENING
EXP	EXPANSION	RTU	ROOF TOP UNIT
EXT	EXTERIOR	SD	SMOKE DETECTOR
EXIST	EXISTING	SECT	SECTION
FF	FINISHED FLOOR	SF	SQUARE FEET
FFE	FINISHED FLOOR ELEVATION	SHWR	SHOWER
FEC	FIRE EXTINGUISHER CABINET	SHT	SHEET
FND	FOUNDATION	SHTHG	SHEATHING
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	SIM	SIMILAR
FRP	FIBERGLASS REINFORCED PLASTIC	SOG	SLAB ON GRADE
FRT	FIRE-RATEADANT TREATED	SPEC	SPECIFICATION OR SPECIFIED
FT	FOOT OR FEET	SPFI	SPRAY FOAM INSULATION
FTG	FOOTING	SPKR	SPEAKER
GALV	GALVANIZED	SQ	SQUARE
GC	GENERAL CONTRACTOR	SS	SOLID SURFACE OR STAINLESS STEEL
GCT	GLAZED CERAMIC TILE	STC	SOUND TRANSMISSION COEFFICIENT
GL	GLAZING OR GLASS	STD	STANDARD
GR	GRADE(ING)	STL	STEEL
GWB	GYPSUM WALL BOARD	STOR	STORAGE
HB	HOSE BIB (CONNECTION)	STRUC	STRUCTURE OR STRUCTURAL
HC	HOLLOW CORE	SUSP	SUSPENDED
H/C	HANDICAPPED	T & G	TONGUE AND GROOVE
HMI	HOLLOW METAL	TBD	TO BE DETERMINED
HORIZ	HORIZONTAL	TOP	TOP OF FOOTING
HR	HOUR	TOM	TOP OF MASONRY
HT	HEIGHT	TOR	TOP OF ROOF
HVAC	HEATING, VENTILATION, AIR CONDITIONING	TOS	TOP OF STEEL
HVT	HOMOGENEOUS VINYL TILE	TYP	TYPICAL
IBC	INTERNATIONAL BUILDING CODE	UNO	UNLESS NOTED OTHERWISE
IN	INSULATION	UTIL	UTILITY
INSUL	INSULATION	VB	VAPOR BARRIER
INT	INTERIOR	VCT	VINYL COMPOSITION TILE
JAN/JC	JANITOR/JANITOR'S CLOSET	VEST	VESTIBULE
JT	JOINT	VERT	VERTICAL
LAV	LAVATORY	VIF	VERIFY IN FIELD
LF	LINEAR FEET	VET	VINYL ENHANCED TILE
LKR	LOCKER	VSF	VINYL SHEET FLOORING
LTG	LIGHTING	VR	VAPOR RETARDER
LVR	LOUVER	W/	WITH
LVT	LUXURY VINYL TILE	W/OUT	WITHOUT
LVL	LAMINATED VENEER LUMBER	WB	WOOD BASE
MAS	MASONRY	WC	WATER CLOSET
		WD	WOOD
		WA	WAINSCOT
		WT	WALL COVERING/TEXTILE

## STANDARD DRAWING SYMBOLS

BUILDING SECTION	
WALL SECTION	
EXTERIOR ELEVATION	
INTERIOR ELEVATION	
WALL TAG	
DOOR TAG	
WINDOW TAG	
ROOM TAG	
MATERIAL TAG	
REVISION TAG	
PAINT TAG	
ACCESSORY TAG	
REFERENCE NOTE TAG	
GENERAL SURFACE CONSTRUCTION NOTE	
SPECIFIC CONSTRUCTION NOTE	
SPOT ELEVATION	
STRUCTURAL COLUMN GRID LINE	
DOOR AND FRAME	
EXISTING DOOR AND FRAME	
DENOTES ABOVE, BELOW, AND BEHIND	
DENOTES EXISTING CONSTRUCTION TO BE DEMOLISHED	

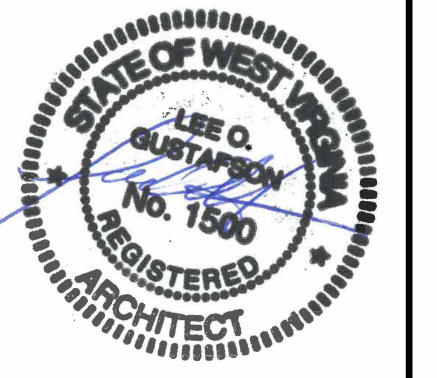
**THRASHER**

600 WHITE OAKS BLVD.  
P.O. BOX 940  
BRIDGEPORT, WV 26330

P (304) 624-4108  
F (304) 624-7831

www.thethrashergroup.com

THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2023 THE THRASHER GROUP, INC.



NO.	BY	DATE	DESCRIPTION
1	LOG	6/6/2023	ADDENDUM 1 - REVISED ARCHITECTURAL PLANS

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23

PROJECT No. T30-11197

GENERAL INFORMATION

SHEET No.

**G1.01**



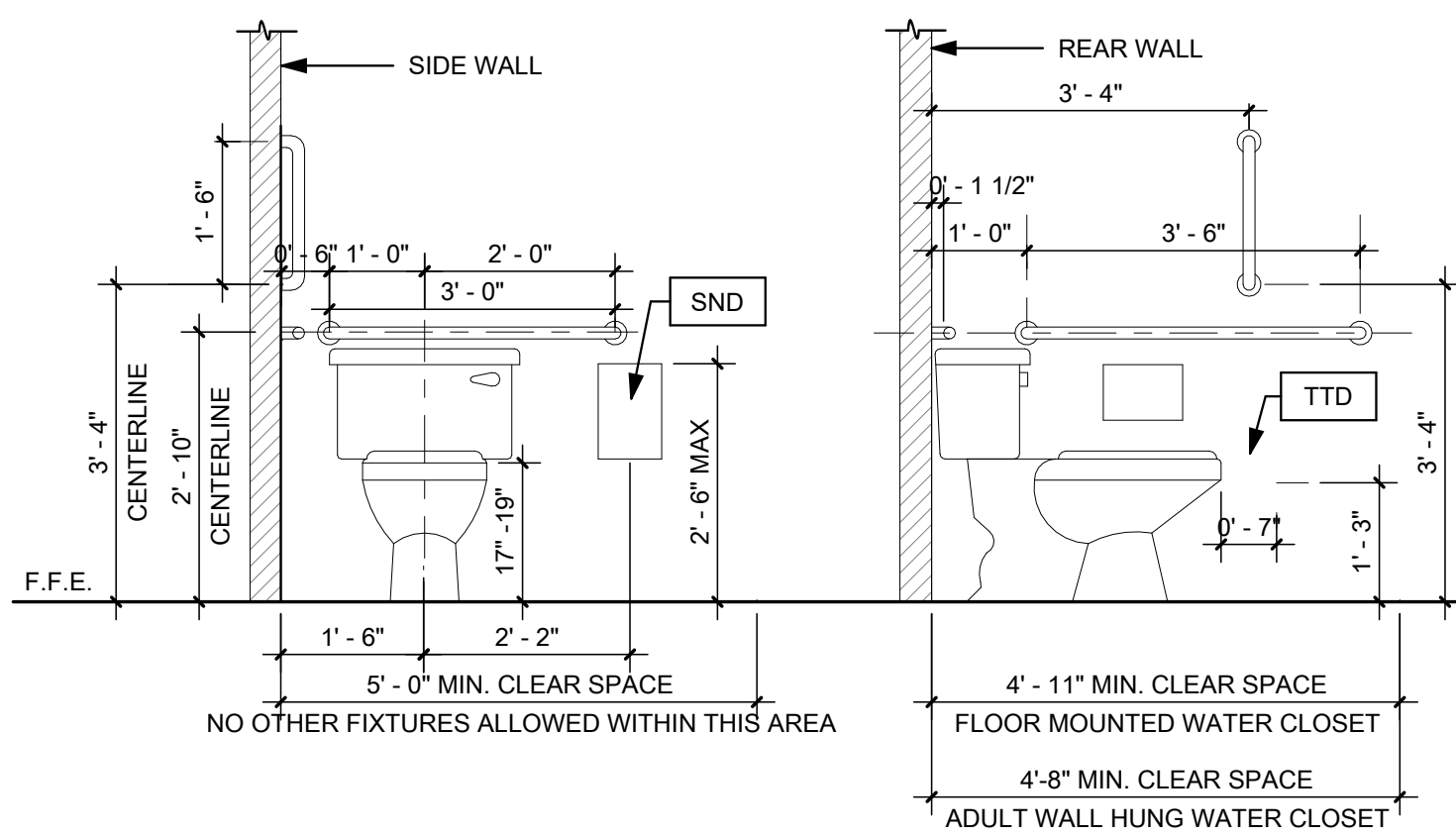
THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE, OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2023 THE THRASHER GROUP, INC.



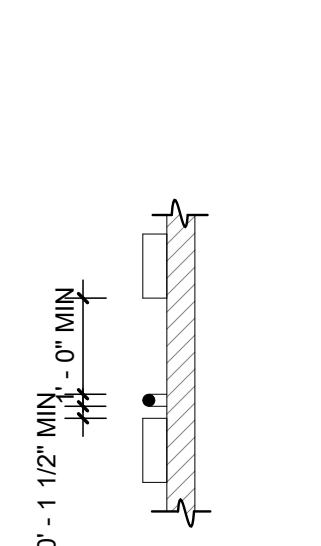
**ADA ACCESSIBLE MOUNTING HEIGHTS**

NOTE: DIMENSIONS INDICATED BELOW ARE STANDARD ADULT ADA HEIGHTS. ALL OTHER SPECIALITY HEIGHTS WILL BE INDICATED ON THE DRAWINGS.

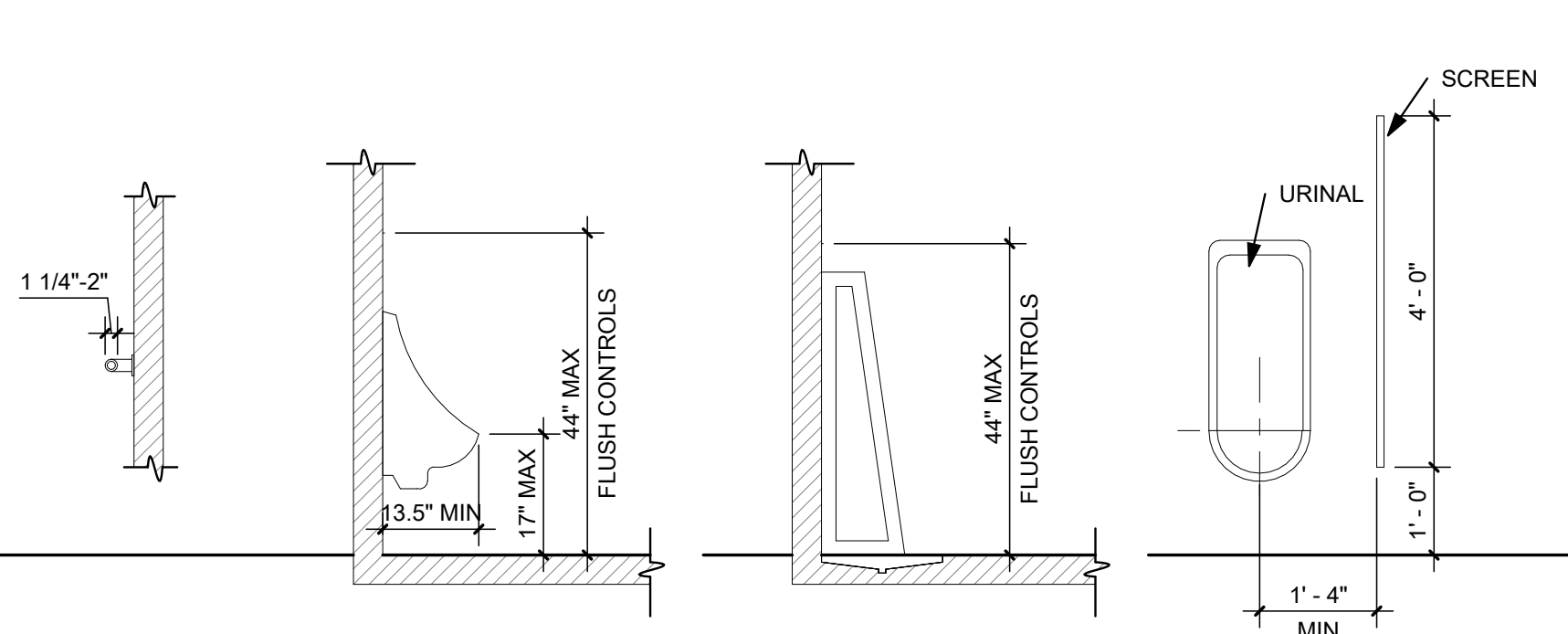
**WATER CLOSETS**



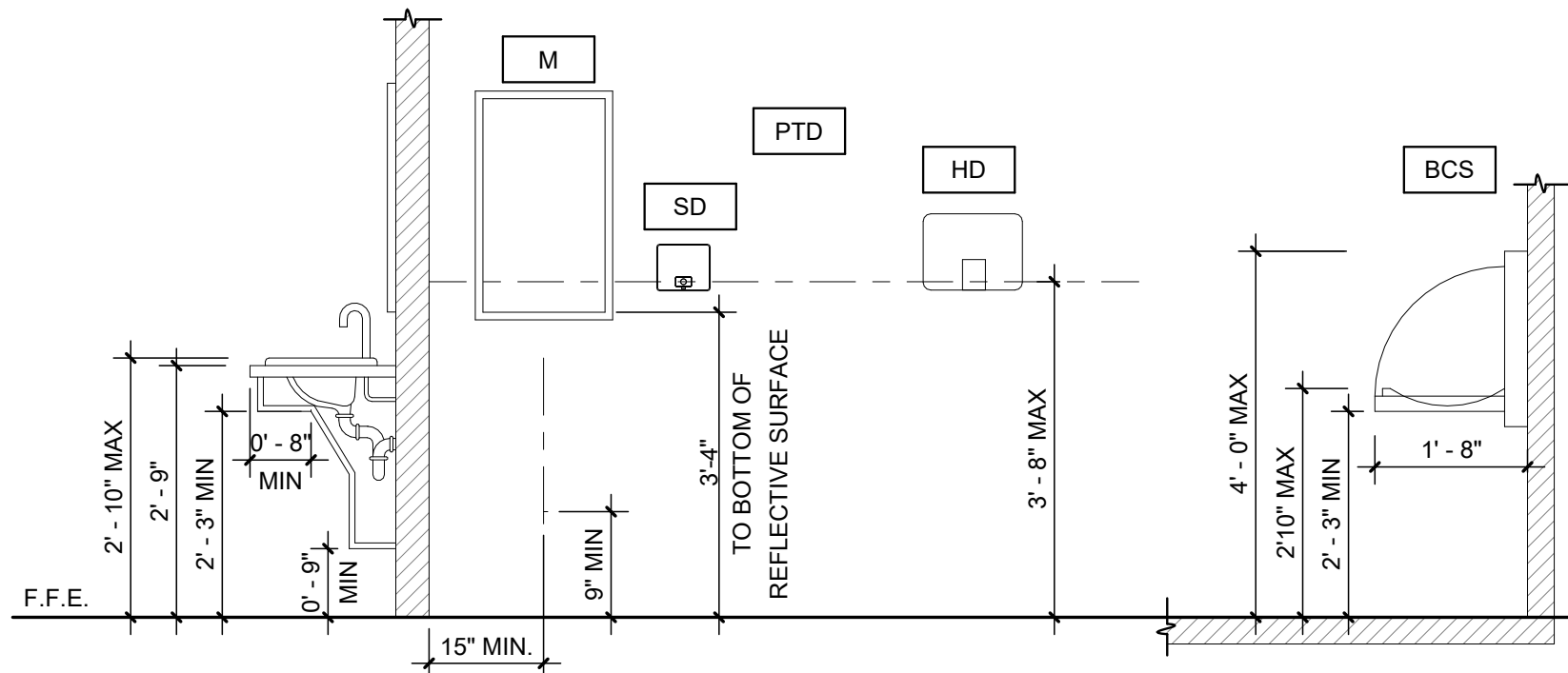
**GRAB BARS**



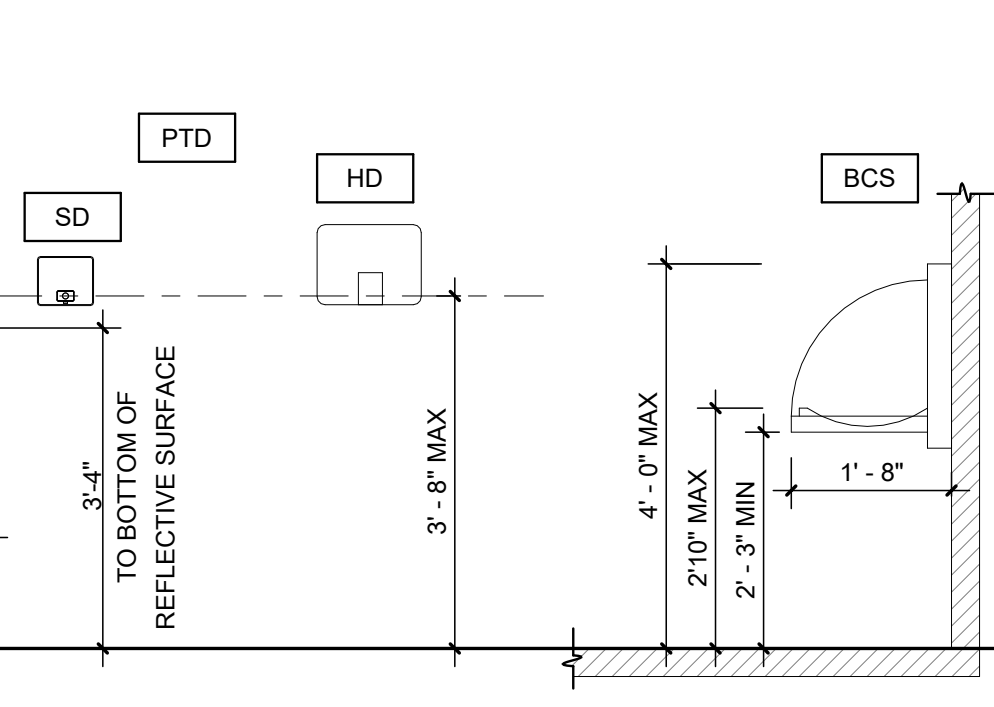
**URINALS**



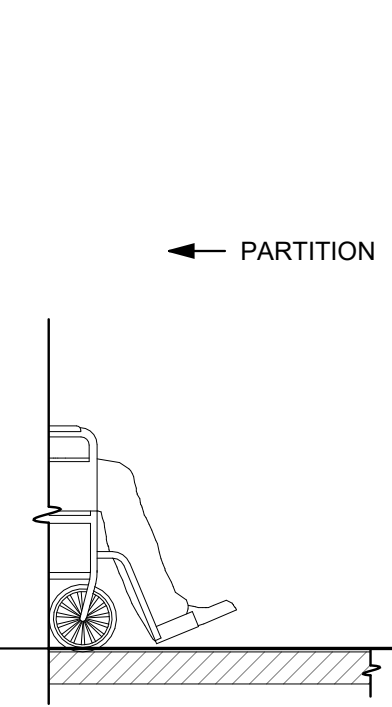
**LAVATORY**



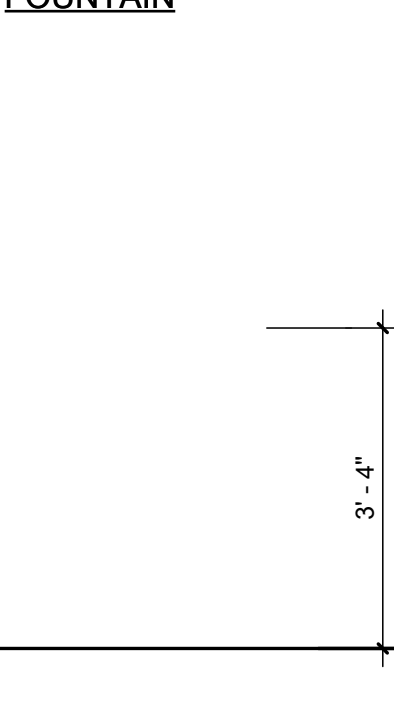
**ACCESSORIES**



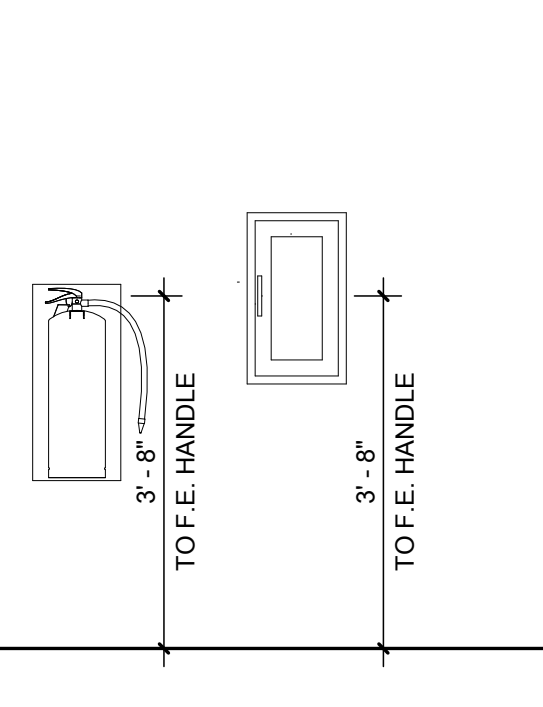
**PARTITION**



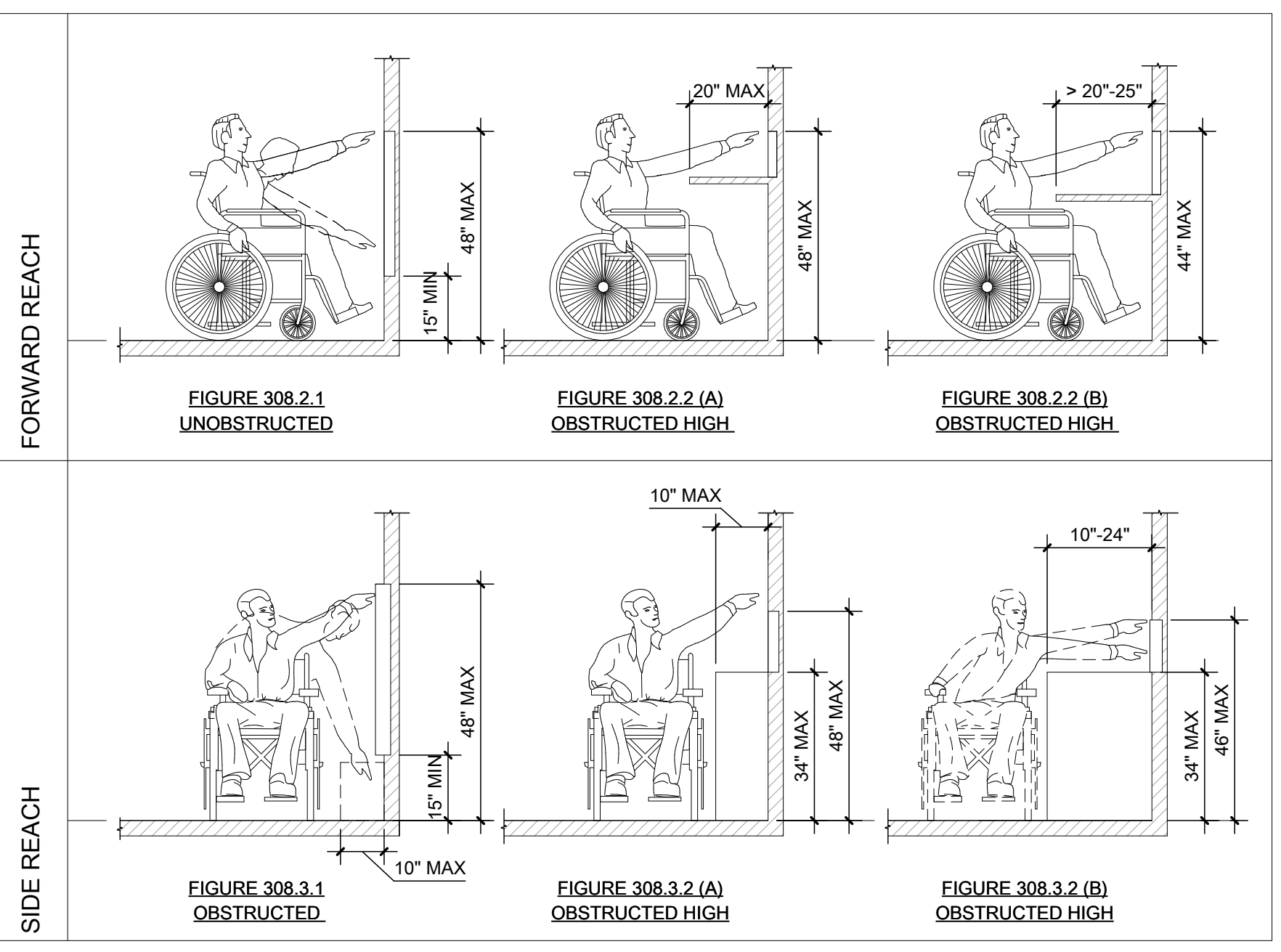
**DRINKING FOUNTAIN**



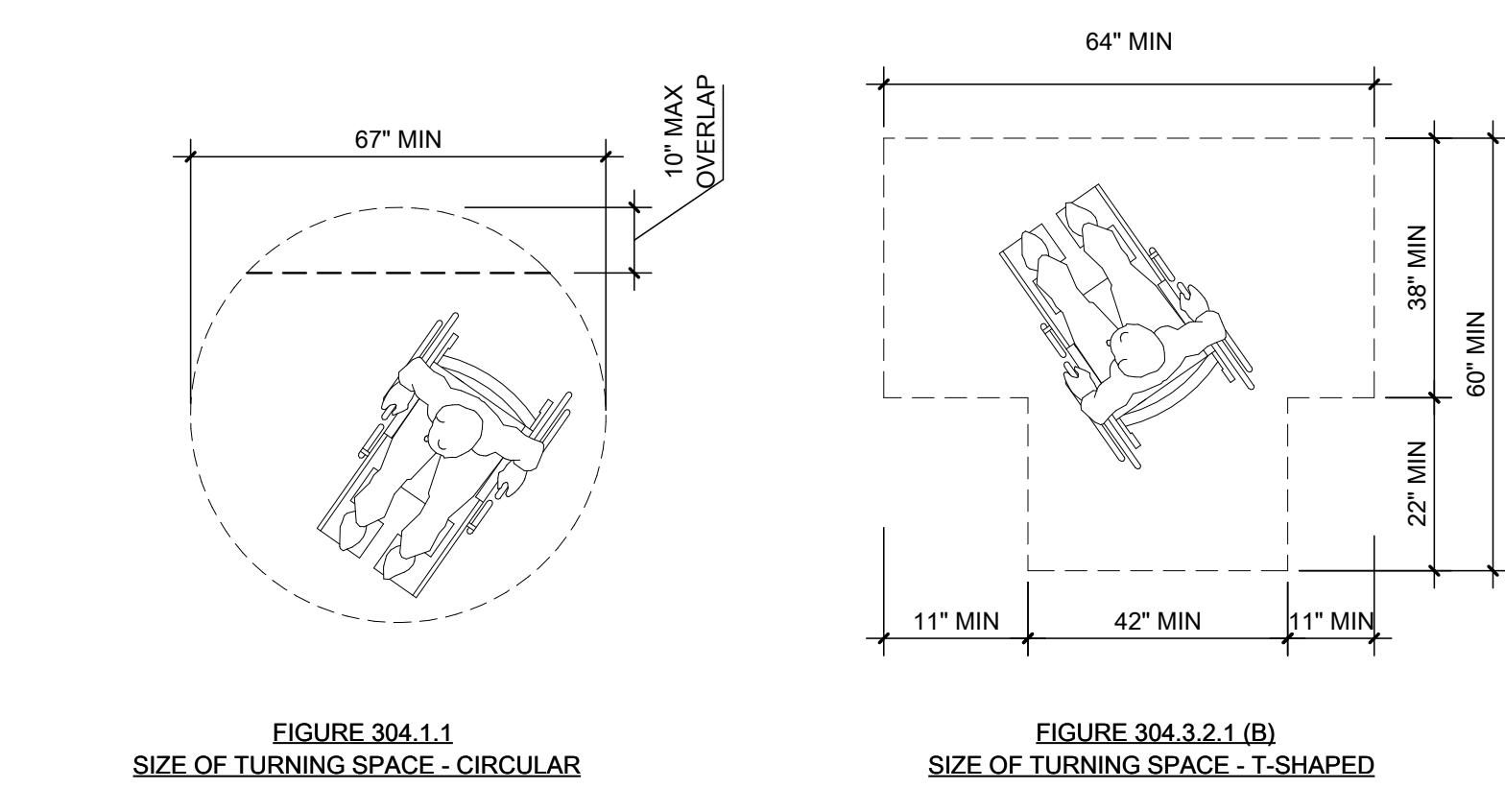
**FIRE EXTINGUISHER**



**ADA REACH GUIDELINES**



**ADA TURNING SPACE**



LAYOUT TAB - ACCESSIBILITY REQUIREMENTS  
CAD FILE: R:\03\2023\11197\_00 - Oak Hill City Park Renovations\Drawings\Accessibility\Revit\03\_22\_Oak Hill Pressbox\_v23.rvt  
PLOT DATE/TIME: 6/6/2023 6:48:19 AM  
USER: CFT

NO.	BY	DATE	DESCRIPTION
1			
LOG			
6/6/2023			ADDENDUM 1 - REVISED ARCHITECTURAL PLANS

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

ACCESSIBILITY REQUIREMENTS

SHEET: **G1.02**



SPECIFICATIONS

013100 Project Management and Coordination

Coordination Drawings: Prepare coordination drawings where installation is not completely shown on Shop Drawings, where limited space available necessitates coordination, or if coordination is required to facilitate integration of products and materials fabricated or installed by more than one entity.

Requests for Information (RFI's): Immediately on the discovery of the need for additional information or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified. Submit RFI's using AIA G716 or other form with similar content acceptable to the Architect. Architect will review each RFI, determine action required, and respond. Allow seven working days for Architect's (LG) response. Maintain a weekly RFI log tabulated and organized by RFI number.

013300 Submittal Procedures

Submit submittals via Web Based Project Management Software: Submittal Exchange. Contractor shall review, check and stamp "Approved" all Informational and Action Submittals, and Shop Drawings. Submittals that have not been stamped "Approved by the Contractor shall be returned as rejected.

Shop Drawings are to be prepared with project specific information, drawn accurately to scale. Fully illustrate requirements in the Contract Documents. Contractor shall provide a shop drawing submittal schedule for anticipated submittals at least two weeks prior to the first submittal.

Samples are to be submitted for review or kind, color, pattern, and texture for a check of these characteristics between submittal and actual components as delivered and installed.

Provide physical samples of suitable size for review as requested by the Architect. Processing Time: Allow 15 days for initial review of each submittal. Allow 15 days for review of each resubmittal. Allow additional time if coordination with subsequent submittals is required.

014000 Quality Requirements

Reference to standard specifications or technical society, organization or association, or to codes of local or state jurisdiction shall mean the latest standard, code, or specification adopted at the issuance of the Construction Documents. If two or more standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement.

Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. Manufacturers, Fabricators, and Installers must be a firm or individual with relative experience in products or services similar to those required by this Project.

Testing and Inspection services are required to verify compliance with requirements specified or indicated. These services do not relieve the Contractor of the responsibility for compliance with the Contract Documents.

Testing agencies with experience and capability to conduct testing and inspecting as required for the Project must provide documentation according to ASTM E 329.

017700 Closeout Procedures

Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended use.

When the Contractor considers the Work, or a portion thereof which the Owner agrees separately, is substantially complete, the Contractor shall prepare and submit to the Architect a comprehensive list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

Upon receipt of the Contractor's list, the Architect will make an inspection to determine whether the Work or designated portion thereof is Substantially complete.

When the Work or designated portion thereof is substantially complete the Architect will prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion and establish responsibilities for the Owner and the Contractor for Final Completion.

Final Completion and Final Payment: Upon receipt of the Contractor's notice that the Work is ready for final inspection and acceptance, and upon receipt of a final Application for Payment, the Architect will promptly make such inspection. When the Architect finds the Work acceptable and the Contractor fully performed the Architect will promptly issue a Final Certificate for Payment stating that to the best of the Architect's knowledge, information and belief, and on the basis of the Architect's on-site visits and inspections, the Work has been completed in accordance with the Contract documents and the entire balance found to be due the Contractor noted in the Final Certificate is due and payable.

033053 Misc. Concrete

Cast-in-place concrete work shall conform to American Concrete Institute codes and standards. The ultimate compressive strength of concrete at 28 days shall be 4,000 psi, U.N.O. Cement shall by Type 1, U.N.O.

Maximum slump: 3" U.N.O. Reinforcing Bars: ASTM A615, Grade 60. Welded Wire Fabric: ASTM A185. Provide 6x6-w10 x w10 W.W.F. for all non-structural slab on grade, U.N.O. Place Joint Reinforcement 1 1/2" down from top of slab. Provide vertical and horizontal reinforcing bars in concrete walls to conform to the minimum provisions of ACI 318, Section 14.3, U.N.O.

042000 Unit Masonry

CMU's: ASTM 90, 2000 psi min. Normal Weight. Decorative CMU's: ASTM 90, 2000 psi min. Normal Weight. Pattern and Texture: Standard pattern, Split-Face finish. Finish to be selected from manufacturers full range. Mortar shall be ASTM C270. Reinforced Masonry: Type S, 2500 PSI minimum. Masonry below grade/contact with earth: Type M. Exterior, Above Grade, Load bearing/non-load bearing: Type N. Ties and Anchors: Provide adjustable anchors of Hot-dipped galvanized steel wire and plates. Grout Shall be ASTM C476. Use fine grout for grouting cells of H.M.U.'s and course grout when grouting bond beams. All CMU masonry walls to have galvanized truss type reinforcing with 3/16" side rods and #9ga. cross rods for all non-reinforced walls spaced 16" o.c. vertically. Conventional Reinforcing bars, shall be ASTM A615, Grade 60. All Units shall be laid with full mortar coverage on head, bed, and webs. All new wall construction shall have a bond beam course at the top row with 2-#5 bars continuous. Load bearing masonry walls shall be reinforced vertically @ 32" maximum with # 5 bar, and cells grouted full. Thru-wall Flashing: Butyl Rubber - composite, self-adhering, 0.040in. thick with stainless steel drip edge. Provide one piece, full head joint cell/weep vents @ 24" o.c., and cavity drainage material.

061053 Misc. Rough Carpentry

Wood framing, blocking and nailers, plywood backing panels. Moisture content of Lumber: 19 percent U.N.O. Dimension Lumber: Construction or No. 2 Plywood Wall and Roof Sheathing: DOC PS 1, Exterior A-C, min. 5/8" thick - Wall, 3/4" thick - Roof (3/4" when used for electrical panel backing) Preservative Treated Wood: AWWA U1; Use Category UC2 for interior construction not in contact with the ground, Use Category UC3b for exterior construction not in contact with the ground, Use Category UC4a for items in contact with the ground. Preservative chemicals: Those acceptable to AHJ and containing no arsenic or chromium.

061600 Sheathing - RR

Preservative Treated Plywood: AWWA U1; Use Category UC2 for interior construction not in contact with the ground, Use Category UC3b for exterior construction not in contact with the ground, Use Category UC4a for items in contact with the ground. Roof Sheathing: Exposure 1 sheathing, 3/4" thickness. Wall Sheathing: Exposure 1 sheathing, 5/8" thickness. Floor Sheathing: Exposure 1 sheathing, 3/4" thickness, tongue and groove.

061753 Shop-Fabricated Wood Trusses

Shop Drawings: Show fabrication and installation details for trusses. Show location, pitch, span, camber, configuration, and spacing for each type of truss required. Indicate sizes, stress grades, and species of lumber. Indicate locations of permanent bracing required to prevent buckling of individual truss members due to design loads. Indicate locations, sizes, and materials for permanent bracing required to prevent buckling of individual truss members due to design loads. Indicate type, size, material, finish, design values, orientation, and location of metal connector plates. Show splice details and bearing details.

Products

Structural Performance: Metal-plate-connected wood trusses sha;; be capable of withstanding design loads within limits and under conditions indicated. Comply with requirements in TPI 1. Comply with applicable requirements and recommendations of TPI 1, TPI DSB, and SBGA BCSI. Wood Structural Design Standard: Comply with applicable requirements in AF&PA's 'National Design Specifications for Wood Construction' and its 'Supplement.' Dimensional Lumber - Certified Wood: Wood for metal-late-connected wood trusses sha;; be certified as 'FSC Pure' or 'FSC Mixed Credit' Metal Connector Plates - Fabricate connector plates to comply with TPI 1. Hot-Dip Galvanized-Steel Sheet: ASTM A 653/A 653M; Structural Steel (SS), high-strength low-alloy steel Type A (HSLAS Type A), or high-strength low-alloy steel Type B (HSLAS Type B); G60 coating designation; and not less than 0.036 inch thick. Fasteners: Provide fasteners for use with metal framing anchors that comply with written recommendations of metal framing manufacturer. Nails, Brads, and Staples: ASTM F 1667

064300 - Wood Stairs and Railings

Shop Drawings: Show location of each item, dimensioned plans, and elevations, large-scale details, attachment devices, and other components. Products: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades of interior architectural woodwork indicated for construction, finishes, installation, and other requirements.

Finishes:

- 1. Treads: Rubber
2. Risers: Rubber
3. Stringers: Rubber
4. Balusters: Opaque
5. Handrails: Opaque
6. Scotia, Cove, and Other Mouldings: Rubber

Wood Materials: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified (AWI Quality Certification Program) unless otherwise indicated.

071113 Bituminous Dampproofing - RR

Cold-Applied, Emulsified-Asphalt Dampproofing Brush, Trowel, or Spray Apply: ASTM D 1227. Apply in a continuous plane of protection. Apply from finished-grade line to top of footing; extend over top of footing and down a minimum of 6 inches over outside face of footing.

072100 Thermal Insulation

Extruded Polystyrene Board: ASTM C578, Type IV, 25-psi minimum compressive strength, unfaced. Polyisocyanurate Board: ASTM C1289, Type I, Class 1. Roof: Compressive Strength: ASTM D1621, 20 psi minimum. Water absorption: ASTM C209, <1% volume. Flame Spread: ASTM 84 <75; Smoke Spread: ASTM 84 <450. Fiberglass, Kraft Faced

072500 - Weather Barriers

Building Paper: ASTM D226, Type 1 (No. 15 asphalt-saturated organic felt), unperforated. Apply horizontally with 2-inch overlap and a 6-inch end lap; fasten to sheathing with galv. staples or roofing nails. Building Wrap: ASTM E1677, Type I air barrier; with flame-spread and smoke-developed indexes of less than 25 and 450, respectively, when tested according to ASTM E84; UV stabilized; and acceptable to authorities having jurisdiction. Comply with manufacturer's written instructions and warranty requirements when applying. Seal seams, edges, fasteners, and penetrations with tape. Extend into jambs of openings and seal corners with tape. Building Wrap Tape: Pressure-sensitive plastic tape recommended by building-wrap manufacturer for sealing joints and penetrations in building wrap. Manufacturer: Dorken Systems, DuPont de Nemours, Inc., Kingspan Insulation LLC or approved equal.

081119 Hollow Metal Doors and Frames

Exterior Heavy Duty Doors: Metallic-coated sheet steel, 0.042 inch minimum thickness with A60 coating, Model 2 seamless edge construction, Core - Polyurethane. Exterior Heavy Duty Frames: Metallic-coated sheet steel, 0.053inch minimum thickness with A60 coating, Face welded construction, Install per SDI A250.11

092900 Gypsum Wall Board

Interior Gypsum Board: Type X, ASTM C1396/C 1396M, Thickness - 5/8 inch, Long Edges - Tapered. Gypsum Board Finish Levels: Level 1: Ceiling plenum areas, concealed areas, where indicated. Level 4: At panel surfaces that will be exposed to view, U.N.O.

095113 Acoustical Panel Ceiling

Mineral Fiber Acoustical Panels: Armstrong, USG, Certainteed, or approved equal UL rated commercial grade 2x2 suspended lay-in ceiling grid with random fissured regular 2x2 lay-in ceiling tiles. Thickness - 5/8 inch, Modular Size - 24 x 24 inches. Metal Suspension System: Heavy-duty System, Butt-edge Type, Face - Flat/Flush, Cap Material - Cold-rolled steel or Aluminum, Cap Finish - Painted White.

096513 Resilient Base and Accessories

Thermoplastic Rubber Base: ASTM F1861, Type TP, Group I Solid Homogeneous, Style B-Cove, Thickness - 0.125 inch, Height - 4 inches, Lengths: Coils in manufacturer's standard lengths, Corners - Job Formed, Colors - As selected by the Architect from the manufacturer's full range.

096723 Resinous Flooring

Basis of Design Product: Elite Crete Systems - HERMETIC Neat Floor. Color and Pattern: As selected by Architect from manufacturer's full range. Wearing Surface: Smooth; Shore D Hardness: ASTM D2240, 80; Abrasion Resistance: ASRM D4060, 9 mg loss Overall System Thickness: 60 mils. Compressive Strength: 12,300 psi, Tensile Strength: 3,200 psi; Flexural Strength: 4,800 psi. Flame Spread Rate: ASTM E84, Class A; Flamability: ASTM D635, Self-extinguishing. Critical Radiant Flux: NFPA 253, 0.45 W/cm2

096813 Tile Carpeting

Brand: Tarkett or approved equal. Color: As selected by the Architect from the manufacturer's full range. Pattern: Quarter Turn. Fiber Content: Duracolor Tricolor Premium Nylon. Pile Characteristic: Level-loop pile. Yarn Count: 12.9 stitches per inch. Pile Thickness: 0.102" for finished carpet tile; Surface Pile Weight: 17oz/sy. Size: 24 in X 24 in. Applied Treatments: Manufacturer's standard Soil Resistant treatment and Antimicrobial treatment. Accessories: Commercial grade PVC or Metal edge stairs and transition plates to be approved by the Architect. Installation: As recommended by the manufacturer for the given conditions and subfloor.

099123 Interior Paint

Products shall be listed on MPI approved products list. Prepare substrates, and apply paints according to manufacturer's written instructions and recommendations in MPI Architectural Painting Specifications Manual.

Gypsum Board Substrates:

Institutional Low-Odor/VOC Latex System. Prime Coat - Primer Sealer, interior, institutional low odor/VOC. Intermediate Coat - Latex, interior, institutional low odor/VOC, matching topcoat. Topcoat - Latex, interior, institutional low odor/VOC (MPI Gloss Level 4).

Colors: As selected by the Architect from the manufacturer's full range.

CMU Substrates:

Institutional Low-Odor/VOC Latex System. Block Filler: Interior/exterior latex block filler. Intermediate Coat: Matching topcoat. Topcoat: Interior, latex, institutional low odor/VOC, eggshell.

Galvanized-Metal Substrates:

High-Performance Architectural Latex System MPI INT 5.3M. Prime Coat: Primer, galvanized, water based, MPI #134. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat. Topcoat: Latex, interior, high performance architectural, semi-gloss (MPI Gloss Level 5), MPI #141.

102800 Toilet Accessories

Toilet Tissue Dispenser: Bobrick B-2888 or Equal. Paper Towel Dispenser: Bobrick B-262 or Equal. Soap Dispenser: Bobrick B-2111 or Equal. Grab Bars: 1 1/2 inch diameter, Stainless Steel with concealed fasteners. Length as indicated on the Drawings. Mirror Units: Frameless 304 Stainless Steel polished to a No. 8 mirror finish, 18 x 30 inches.

123623 Plastic Laminate Countertop

Comply with the "Architectural Woodwork Standards" for grades of plastic-laminate clad countertops indicating that countertops comply with requirements of grades specified. Grade: Custom. High Pressure Decorative Laminate: NEMA LD 3, Grade HGS. Colors and Patterns - As selected by the Architect from the manufacturer's full range. Edge Treatment: Bullnose. Core Thickness: 3/4 inch, Build up countertop thickness to 1 1/2 inches at front, back, and ends with additional layers of core material laminated to top. Provide 24" x 24" screw attached painted steel wall brackets at maximum 48" spacing for open span countertops. 1 1/4" x 1 1/4" x 1/4"



600 WHITE OAKS BLVD. P.O. BOX 940 BRIDGEPORT, WV 26330

P (304) 624-4108 F (304) 624-7831

www.thrashergroup.com

THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE, OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2023 THE THRASHER GROUP, INC.



Table with 2 columns: NO., DESCRIPTION

Table with 3 columns: LOG, DATE, BY

DESIGN PLANS FOR CITY PARK RENOVATIONS CITY OF OAK HILL OAK HILL, WEST VIRGINIA JUNE 6, 2023 BID PLANS

DRAWN: CFT DATE: 6/6/23 CHECKED: LOG DATE: 6/6/23 PROJECT No. T30-11197

SPECIFICATIONS

G1.03





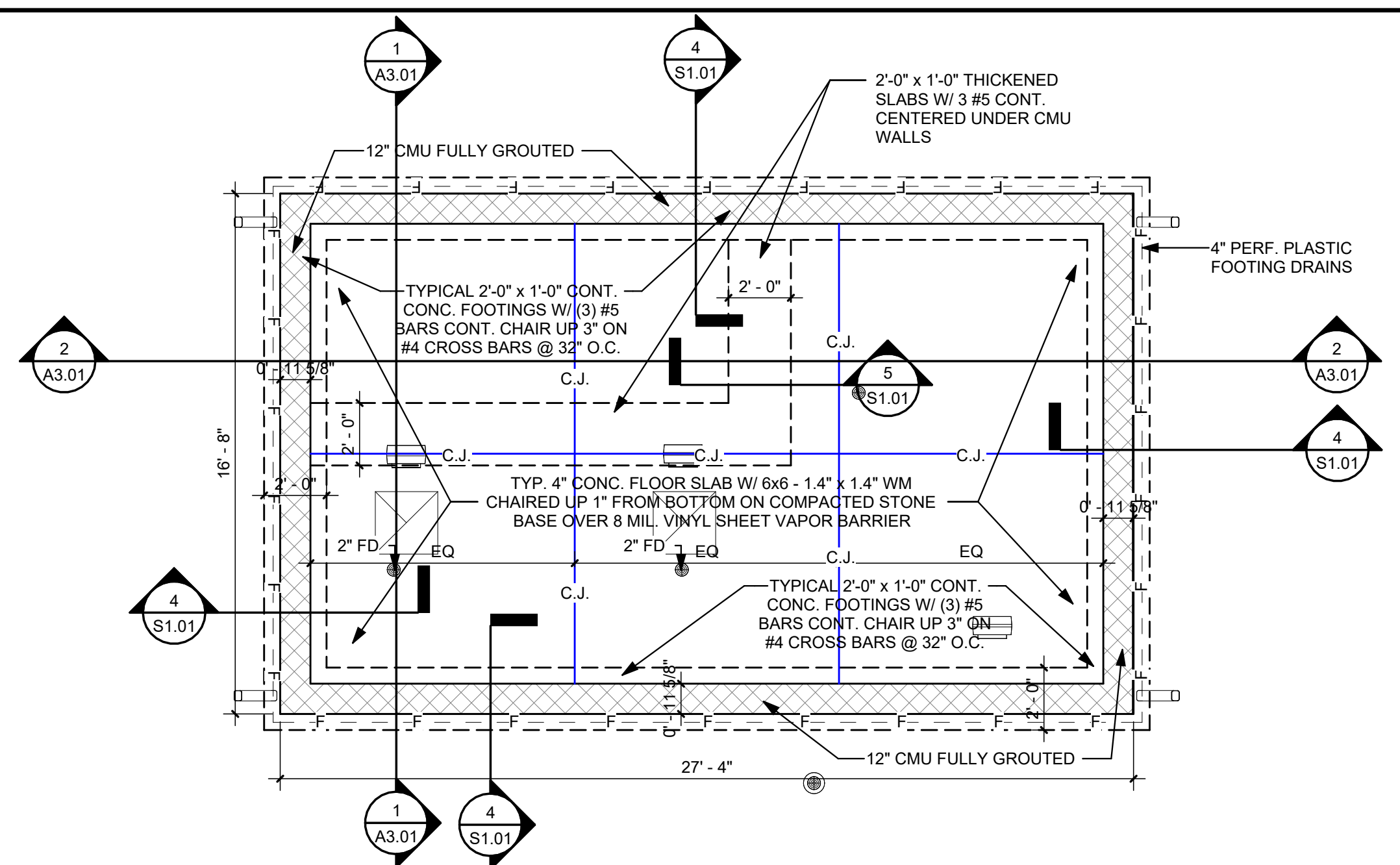
NO.	BY	DATE	DESCRIPTION
1			
LOG		6/6/2023	ADDENDUM 1 - REVISED ARCHITECTURAL PLANS

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

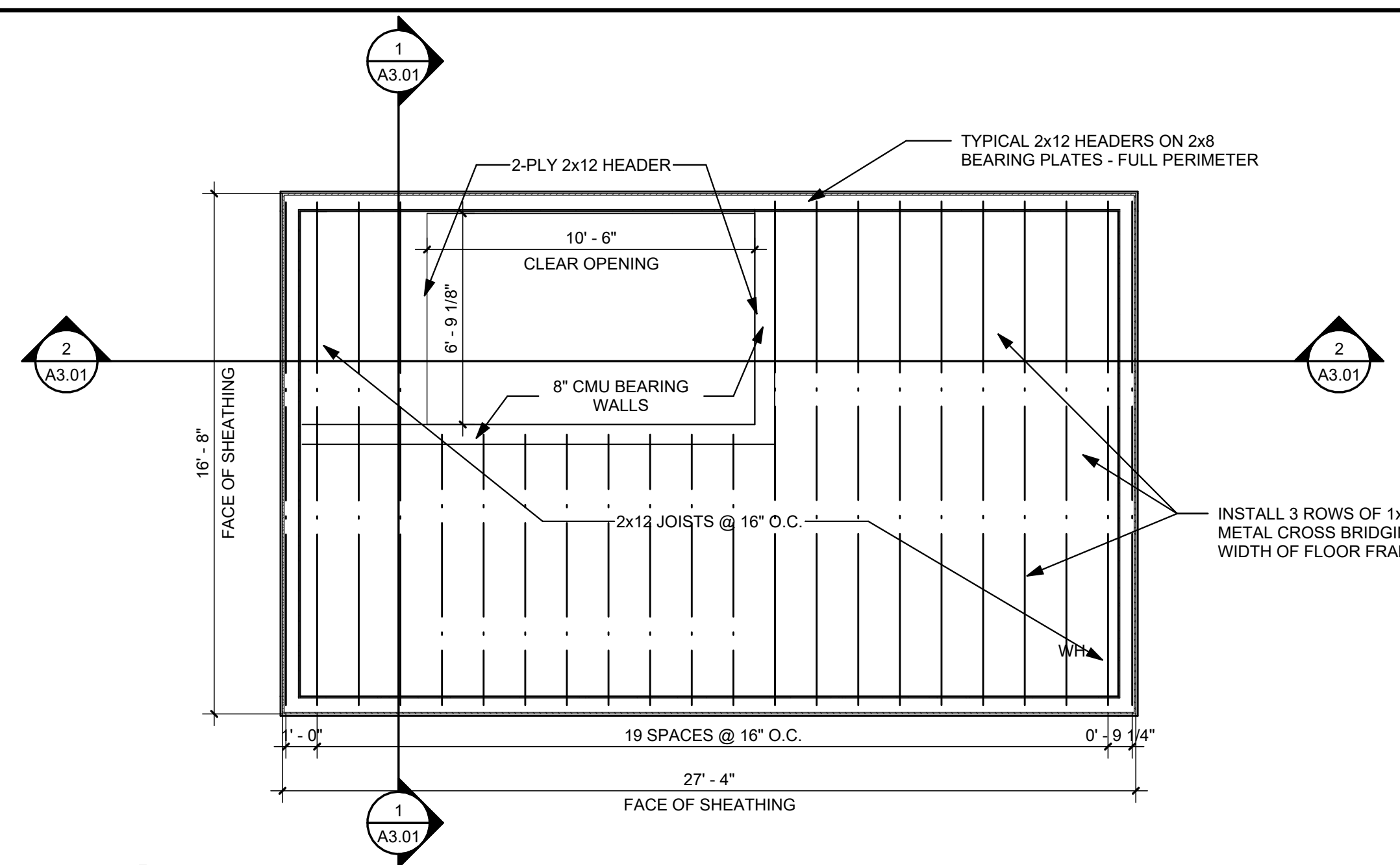
DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

STRUCTURAL DRAWINGS

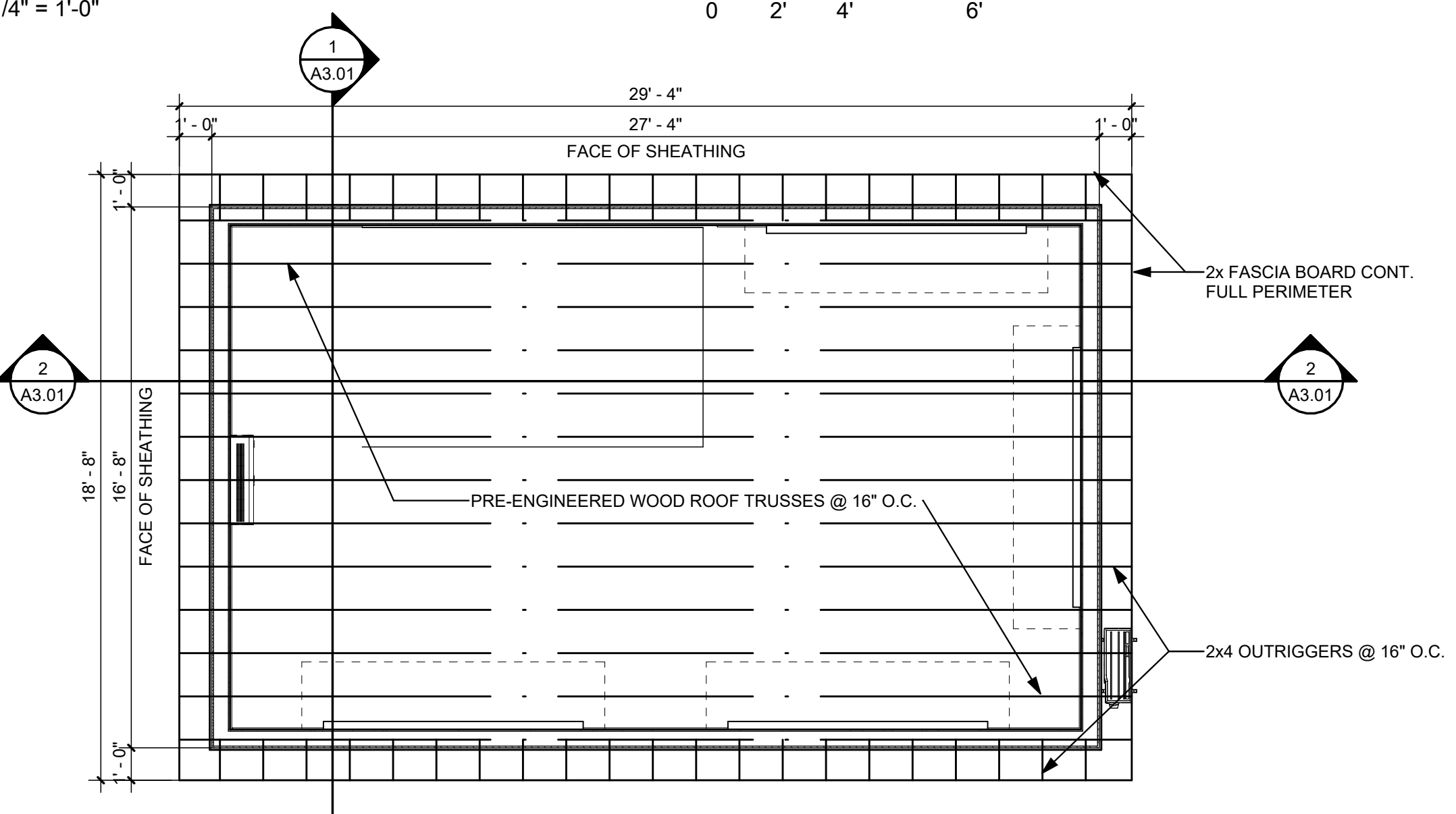
**S1.01**



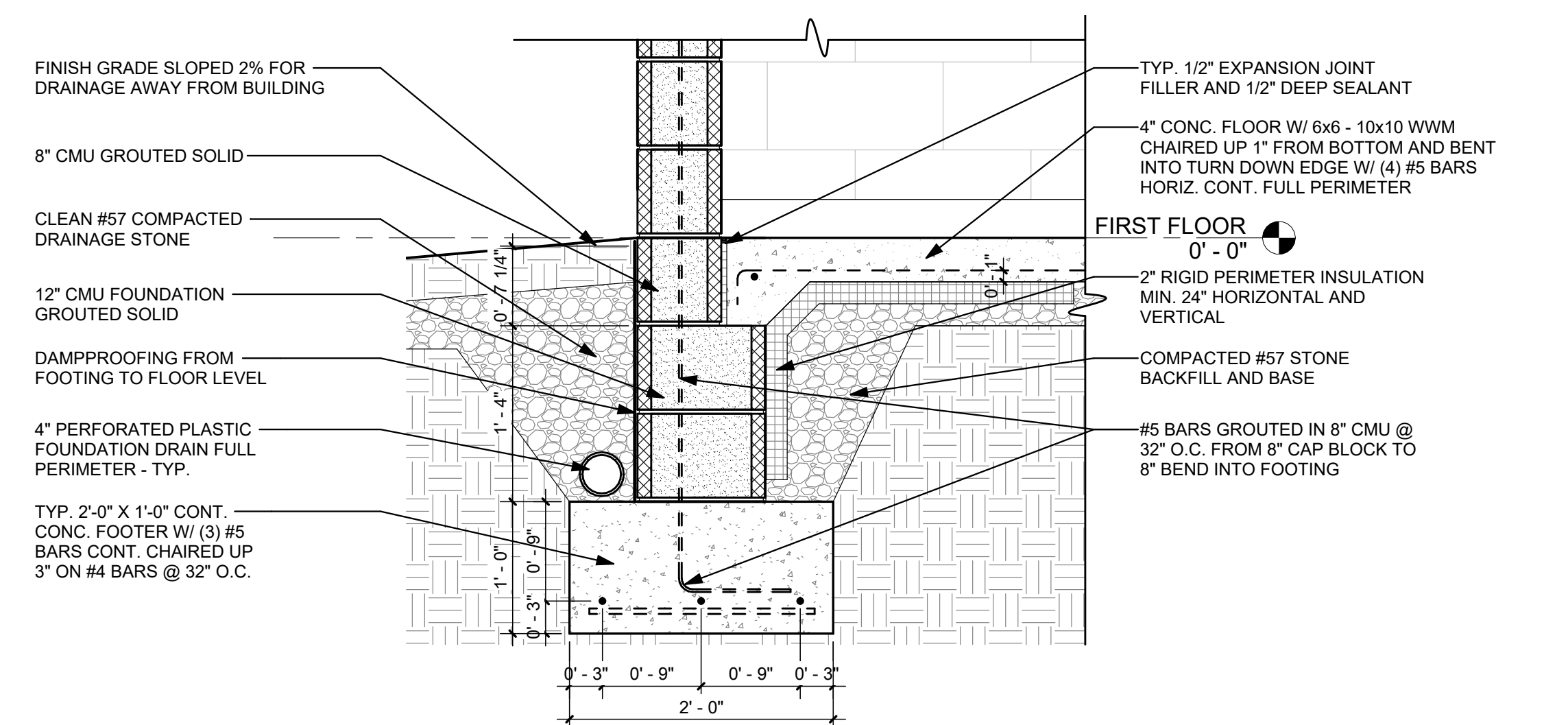
**1 FOUNDATION PLAN**  
S1.01 1/4" = 1'-0"  
0 2' 4' 6'



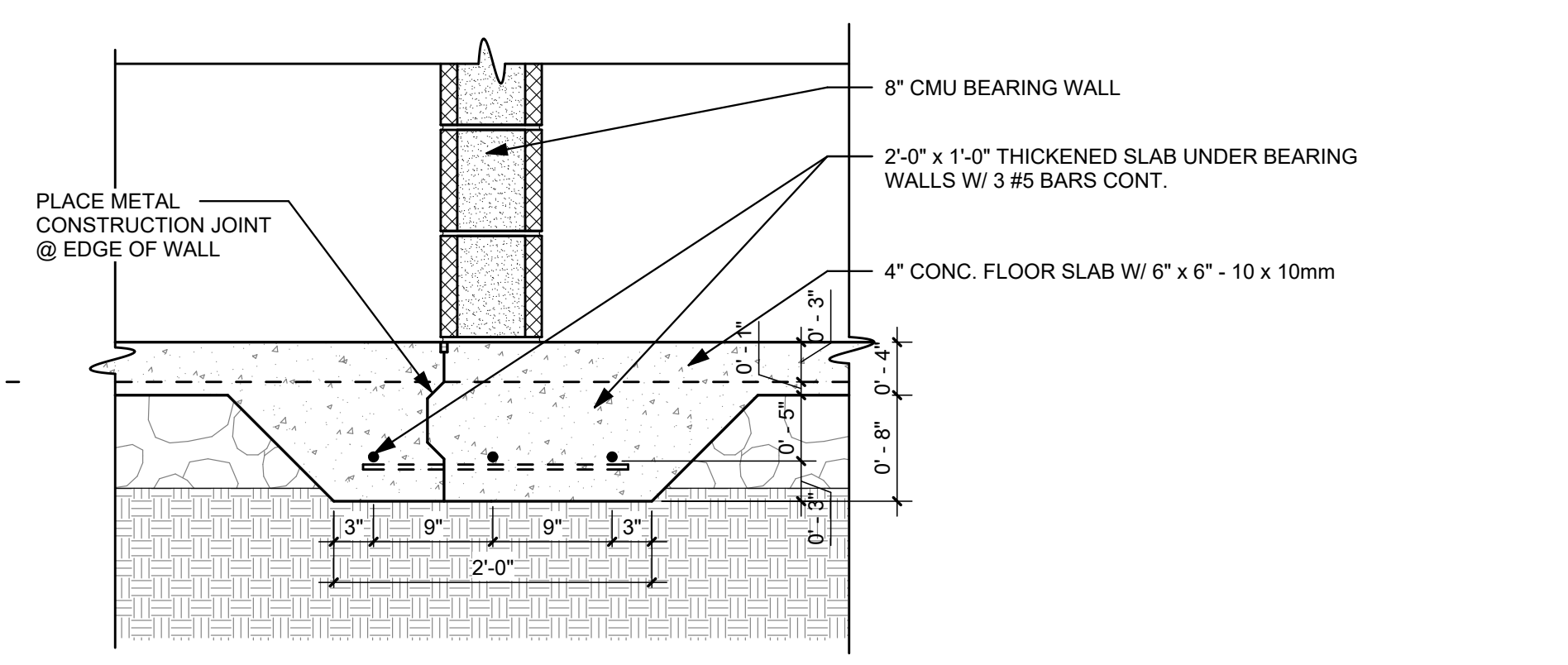
**2 SECOND FLOOR FRAMING PLAN**  
S1.01 1/4" = 1'-0"  
0 2' 4' 6'



**3 ROOF FRAMING PLAN**  
S1.01 1/4" = 1'-0"  
0 2' 4' 6'



**4 FOUNDATION DETAIL**  
S1.01 1" = 1'-0"



**5 THICKENED SLAB DETAIL**  
S1.01 1" = 1'-0"

**TRUSS NOTES:**

- WOOD TRUSSES TO BE ENGINEERED AND BUILT BY A CERTIFIED TRUSS MANUFACTURER WITH DRAWINGS AND CALCULATIONS PREPARED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF WEST VIRGINIA AND SUBMITTED FOR REVIEW PRIOR TO FABRICATION OF WOOD TRUSSES.
- SIZE AND LOCATION OF ALL BRIDGING SHALL CONFORM TO THE COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES HIB-91 BY THE TRUSS PLATE INSTITUTE.
- ROOF TRUSSES @ 24" O.C.
- FLOOR JOISTS SPACED 16" O.C. MIN. W/ 3 ROWS OF CODE APPROVED BRIDGING.
- WIND DESIGN DATA:  
a. NOMINAL 3-SECOND GUST DESIGN WIND SPEED: 103 MPH  
b. WIND EXPOSURE CATEGORY: B
- DESIGN LOADS:  
UNIFORM FLOOR LIVE LOADS: LIGHT STORAGE 125 PSF  
FLOOR DEAD LOAD 20 PSF  
GROUND SNOW LOAD 30 PSF  
SNOW EXPOSURE FACTOR  $C_e = 1.0$   
THERMAL FACTOR  $C_t = 1.1$   
IMPORTANCE FACTOR  $I_s = 0.8$   
ROOF TRUSSES:  
LIVE LOADS TOP CHORD 30 PSF  
DEAD LOADS TOP CHORD 15 PSF  
LIVE LOADS BOTTOM CHORD 7.5 PSF  
DEAD LOADS BOTTOM CHORD 7.5 PSF  
WIND LOADS 23 PSF
- ANY DESIGN LOADING NOT NOTED ARE TO BE NO LESS THAN THE MINIMUM APPLICABLE CODE REQUIREMENTS.

LAYOUT TAB: STRUCTURAL DRAWINGS CAD FILE: R:\030726\11197\_00 - Oak Hill City Park Renovations\Drawings\Architectural\Rev\030726\_05\_23\_Oak Hill Project - v23.rvt PLOT DATE/TIME: 6/6/2023 6:48:20 AM USER: CFT





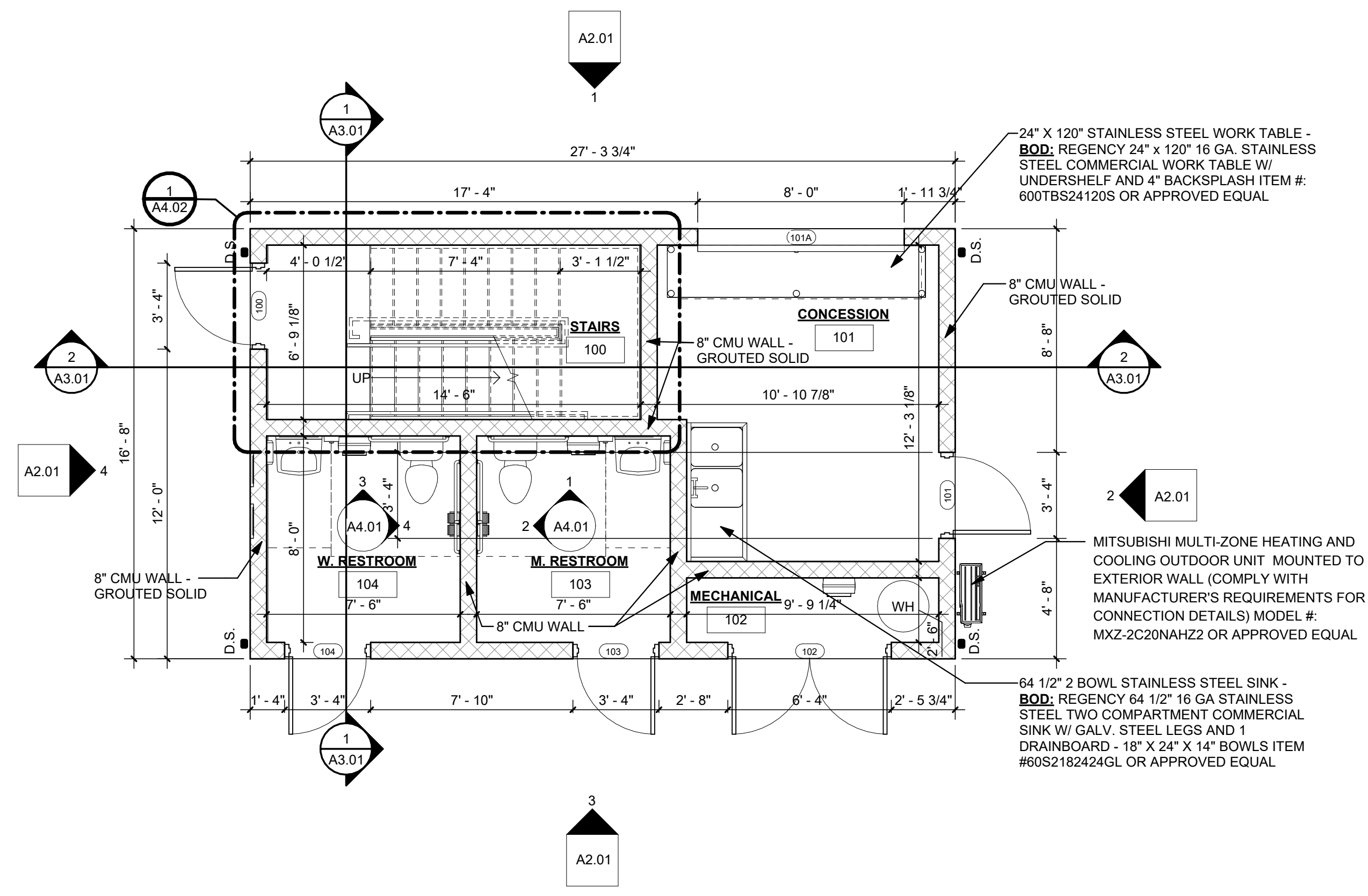
NO.	BY	DATE	DESCRIPTION
1	LOG	6/6/2023	ADDENDUM 1 - REVISED ARCHITECTURAL PLANS

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

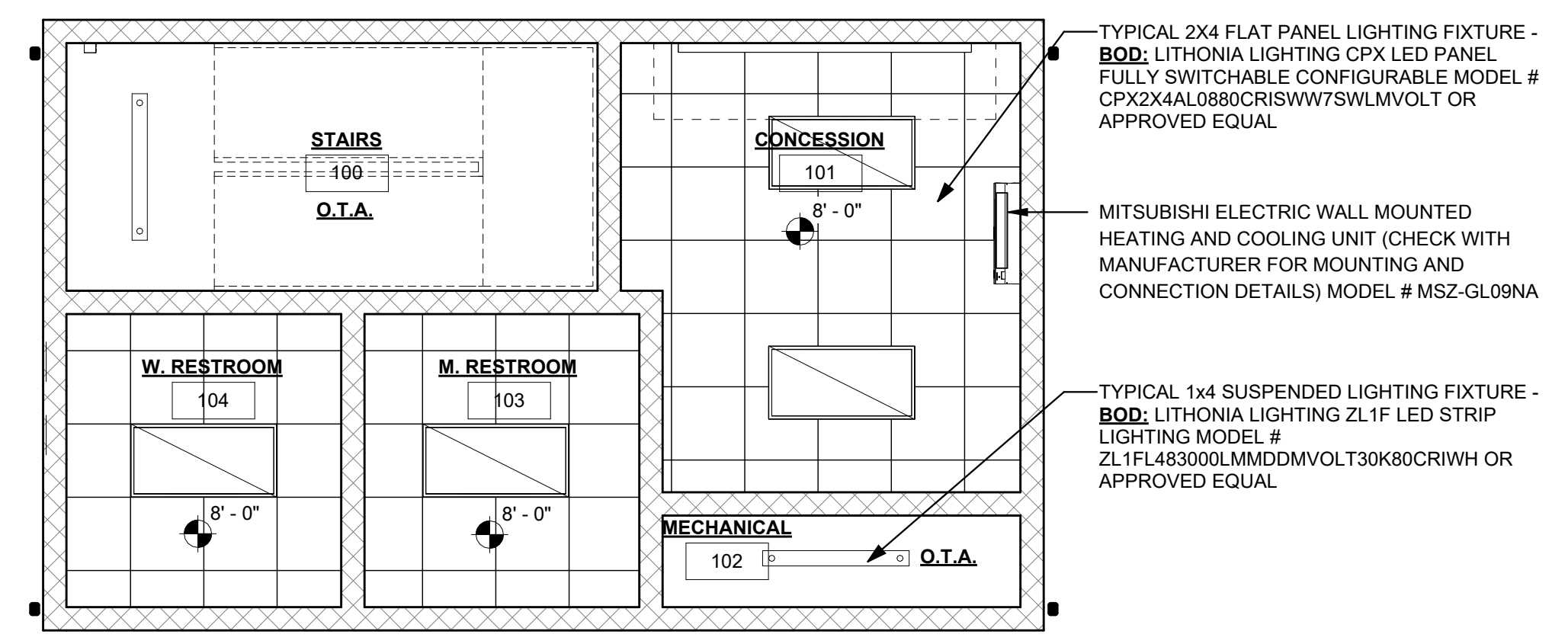
DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

FLOOR PLAN

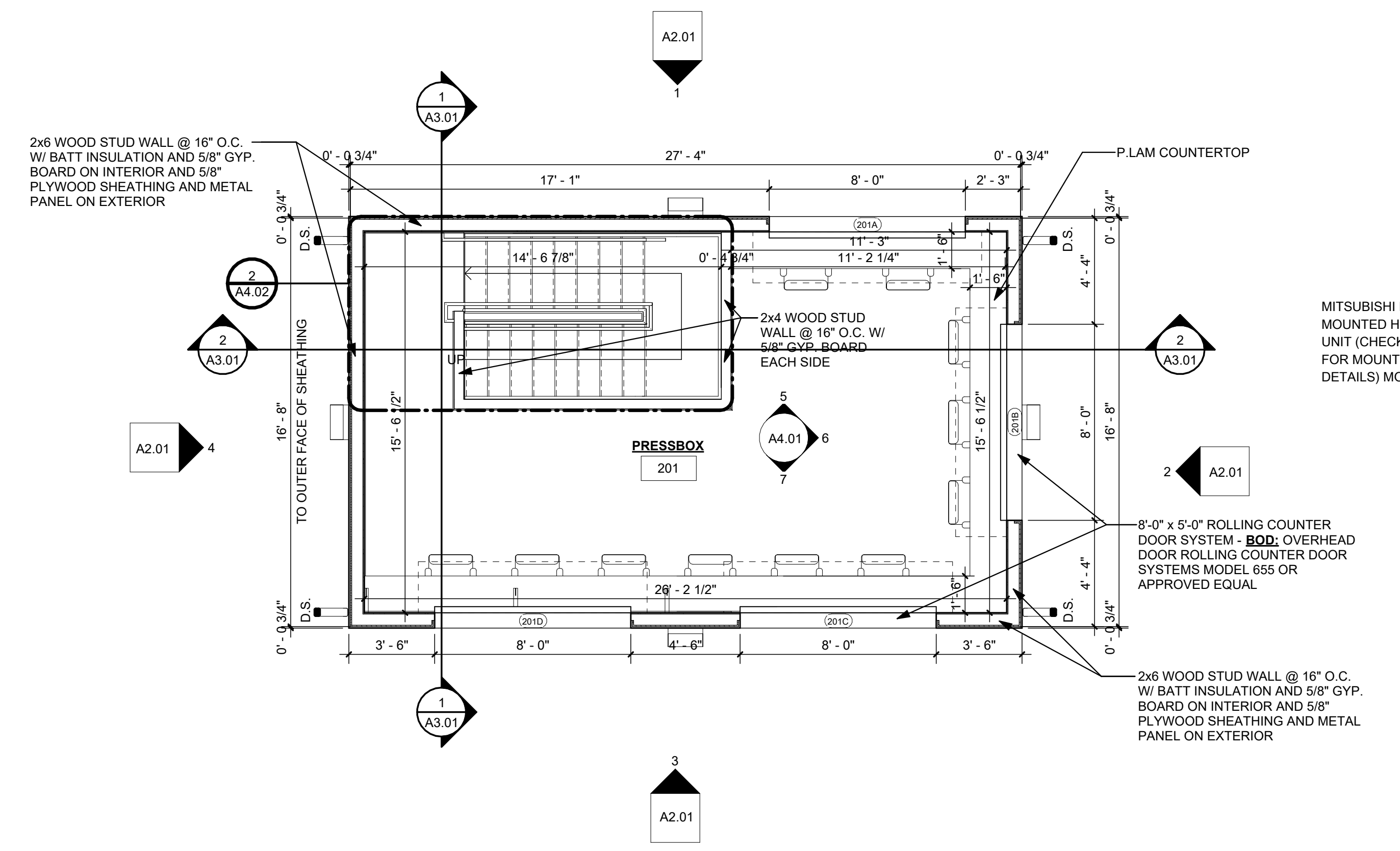
A1.01



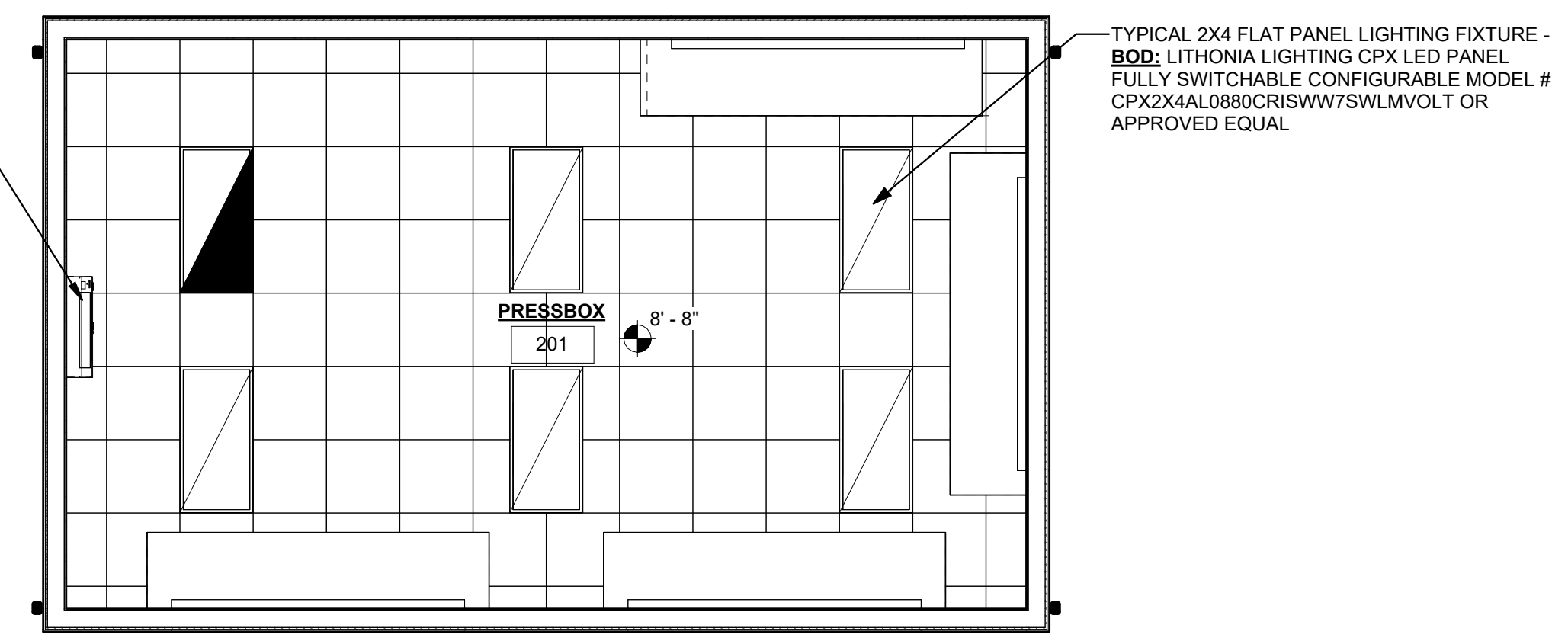
**1 FIRST FLOOR**  
A1.01 1/4" = 1'-0"



**2 FIRST FLOOR RCP**  
A1.01 1/4" = 1'-0"



**3 SECOND FLOOR**  
A1.01 1/4" = 1'-0"

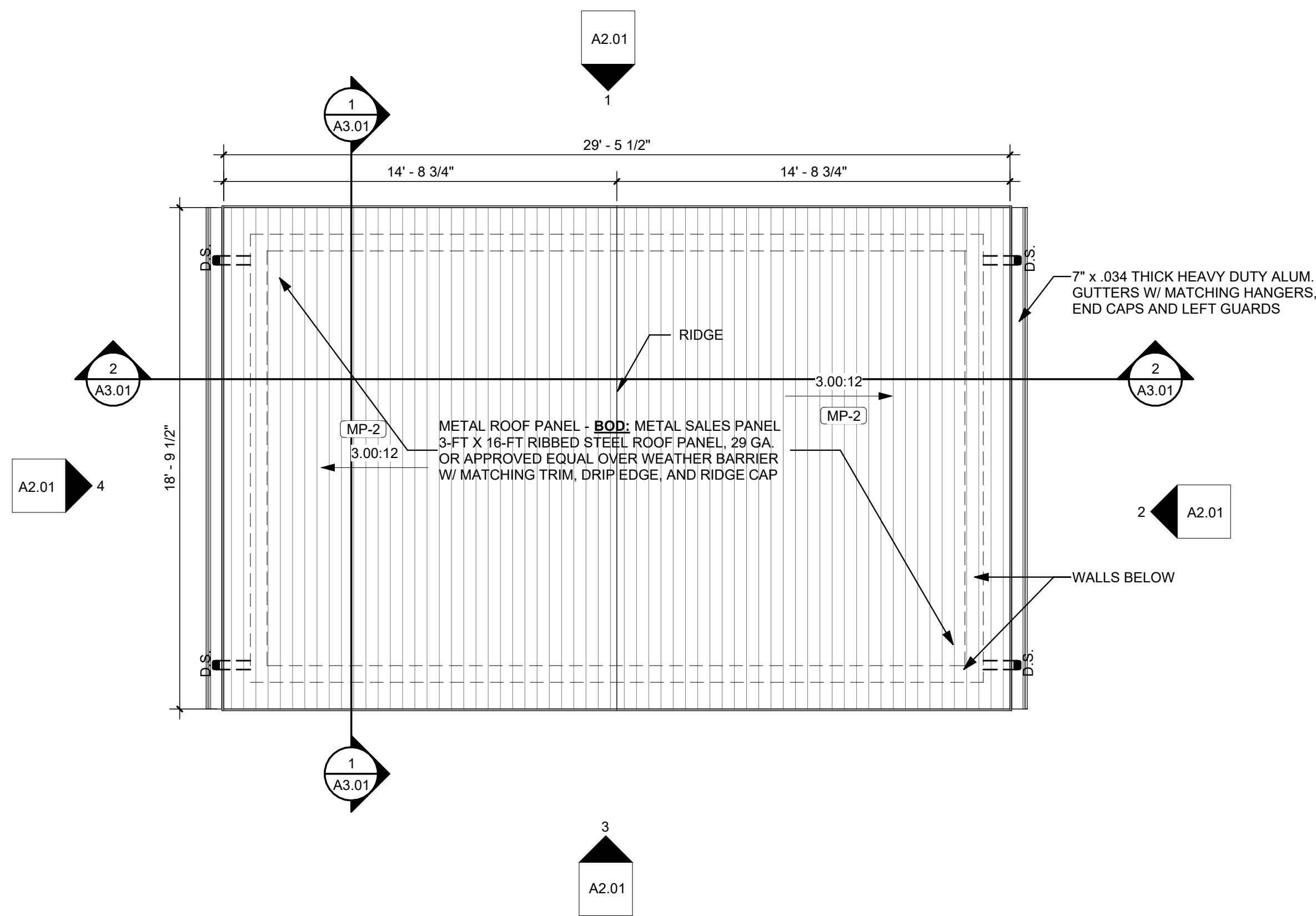
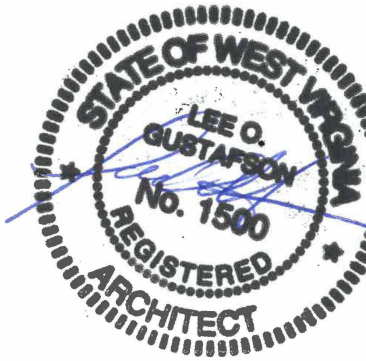


**4 SECOND FLOOR RCP**  
A1.01 1/4" = 1'-0"

LAYOUT TAB - FLOOR PLAN  
CAD FILE: R:\03\1204\1197\00 - Oak Hill City Park Renovations\Drawings\Architectural\Revit\03\_22\_Oak Hill Pressbox\_v23.rvt  
PLOT DATE/TIME: 6/6/2023 6:48:22 AM  
USER: CFT



THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE, OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2023 THE THRASHER GROUP, INC.



**1**  
A1.02 **ROOF PLAN**  
1/4" = 1'-0"

NO.	BY	DATE	DESCRIPTION
1	LOG	6/6/2023	ADDENDUM 1 - REVISED ARCHITECTURAL PLANS

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

ROOF PLAN

A1.02

THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2023 THE THRASHER GROUP, INC.



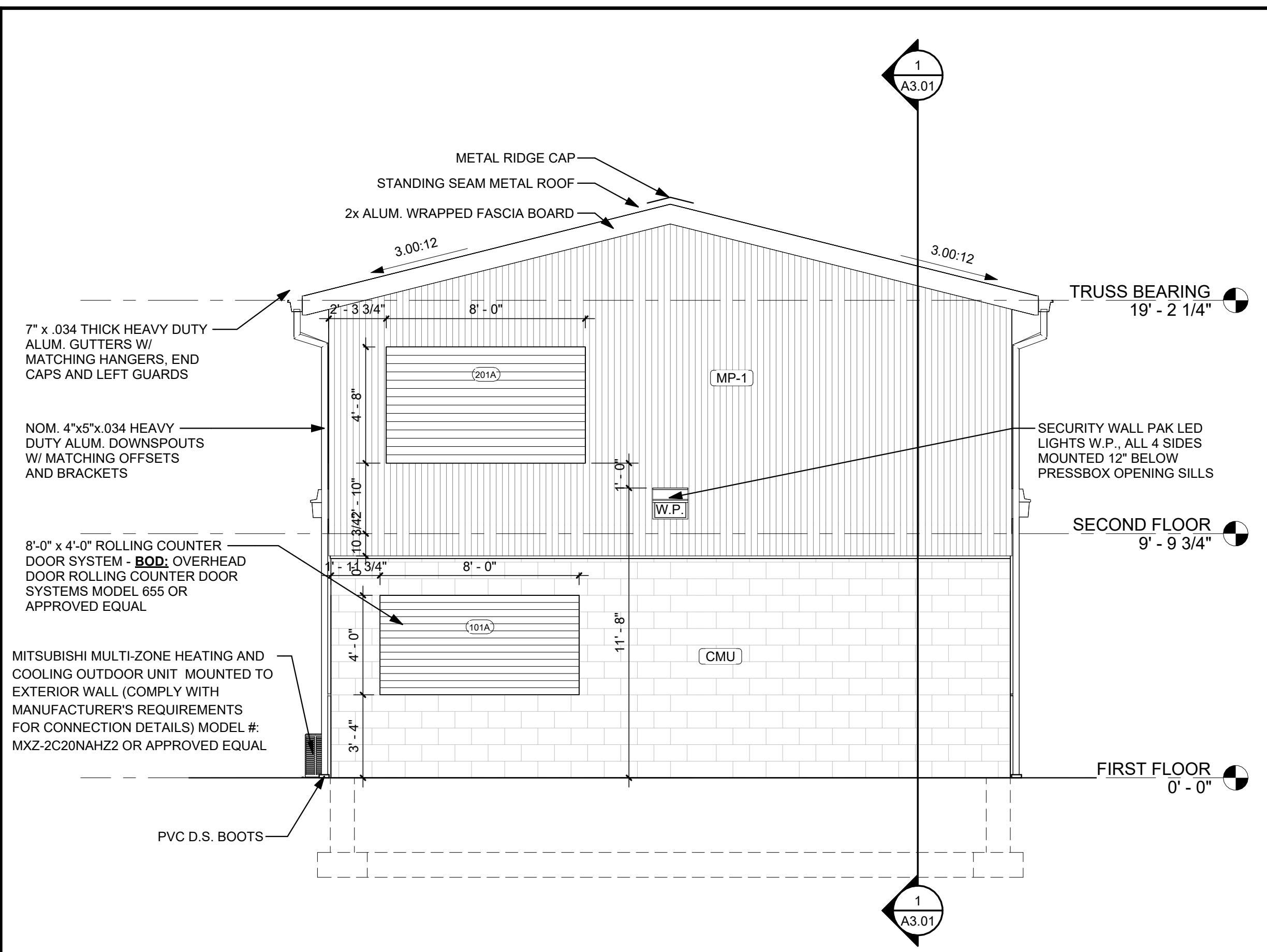
NO.	BY	DATE	DESCRIPTION
1	LOG	6/6/2023	ADDENDUM 1 - REVISED ARCHITECTURAL PLANS

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

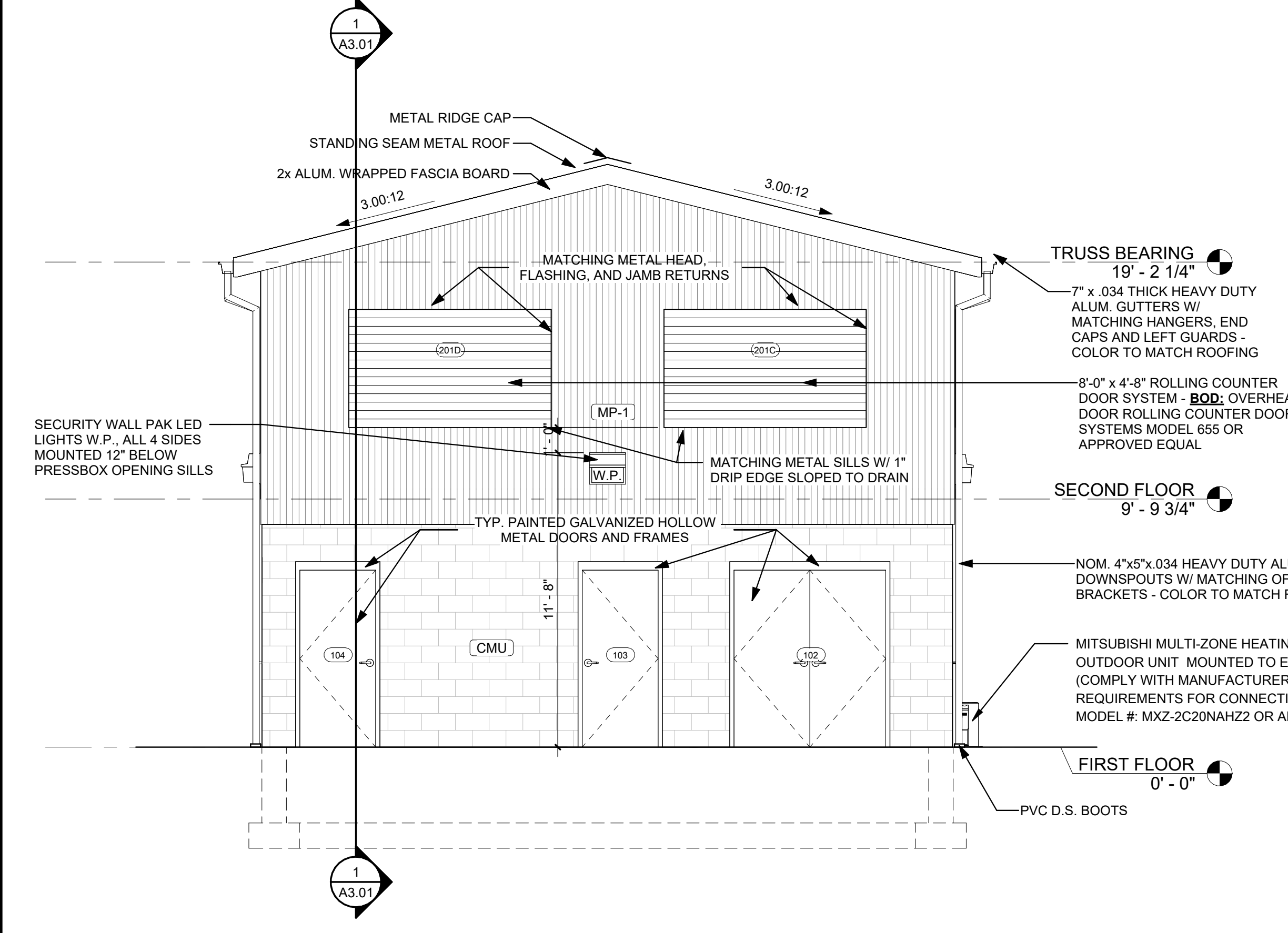
DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

BUILDING ELEVATIONS

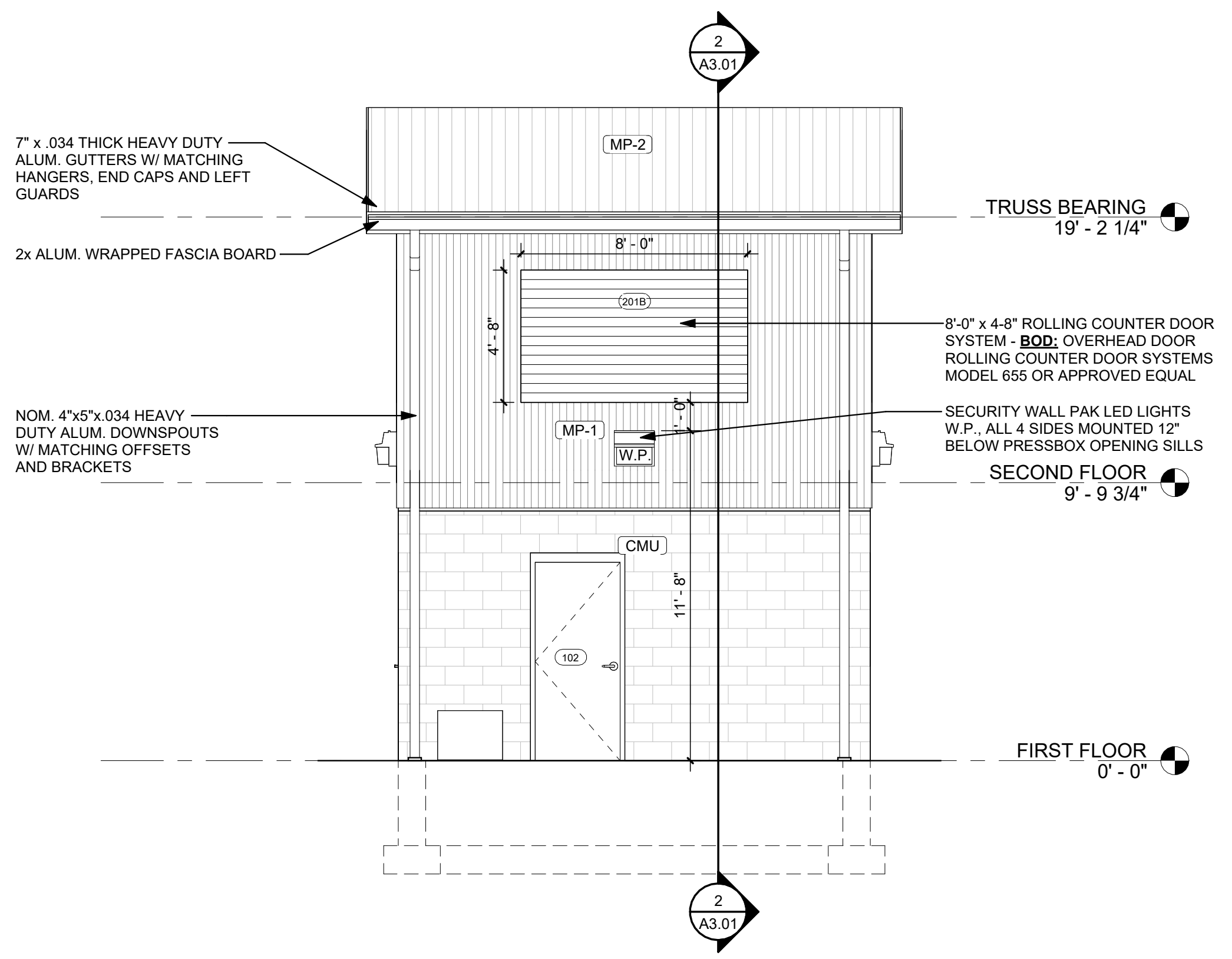
**A2.01**



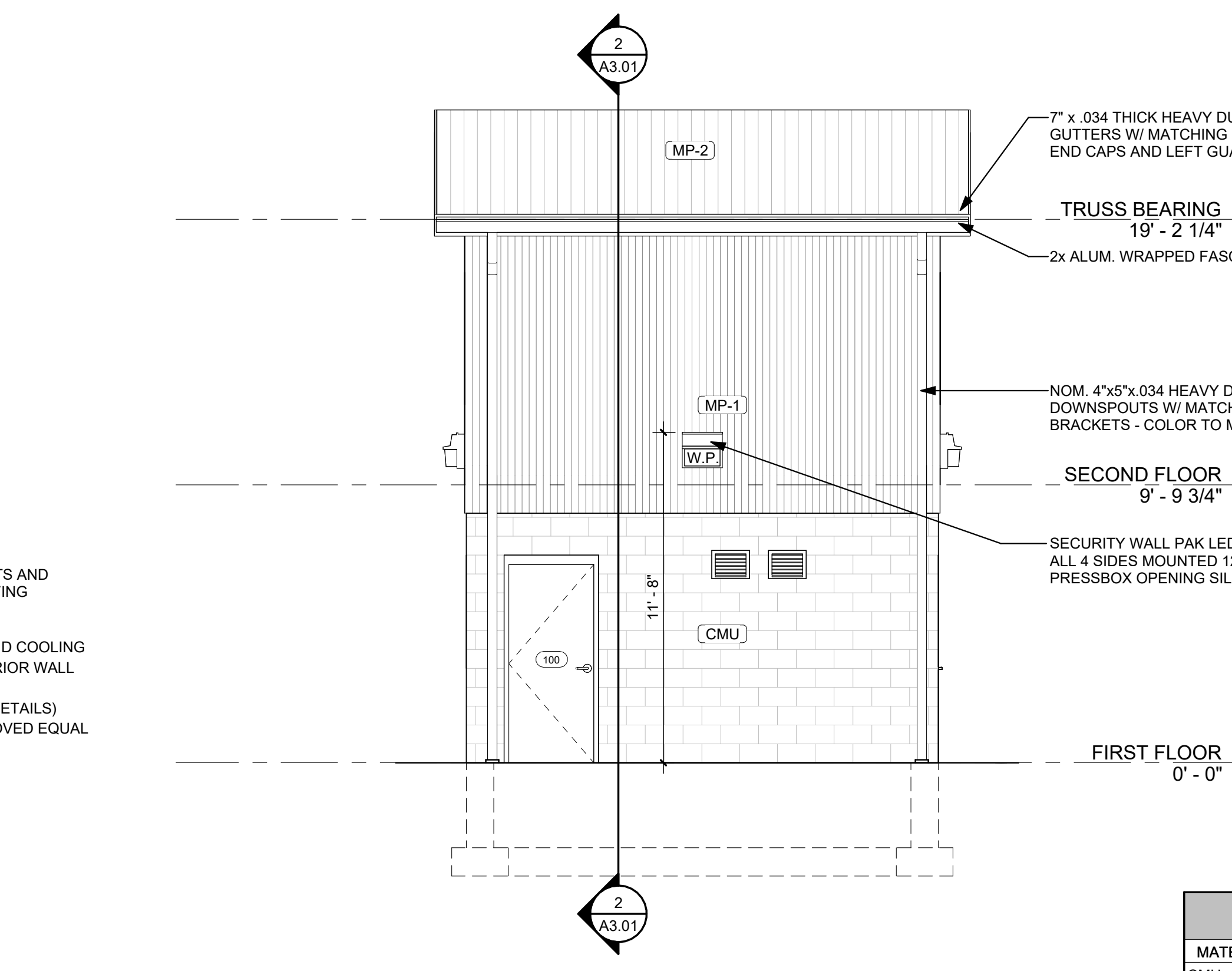
**1 NORTH ELEVATION**  
A2.01 1/4" = 1'-0"



**3 SOUTH ELEVATION**  
A2.01 1/4" = 1'-0"



**2 EAST ELEVATION**  
A2.01 1/4" = 1'-0"



**4 WEST ELEVATION**  
A2.01 1/4" = 1'-0"

MATERIAL LEGEND	
MATERIAL TAG	MATERIAL
CMU	CONCRETE MASONRY UNITS - SPLIT FACE
MP-1	METAL PANEL SIDING - BOD: METAL SALES PANEL 3-FT X 16-FT CLASSIC-RIP STEEL WALL PANEL, 29 GA. W/ MS COLORFAST45 FINISH OR APPROVED EQUAL OVER WEATHER BARRIER
MP-2	METAL PANEL SIDING - COLOR AND RIB DEPTH TO MATCH ANY EXISTING ROOFING ON PROPERTY, COORDINATE WITH OWNER.

LAYOUT TAB - BUILDING ELEVATIONS PLOT DATE/TIME: 6/6/2023 6:48:24 AM USER: CFT CAD FILE: R:\030120\11197\00 - Oak Hill City Park Renovations\Drawings\Architectural\Rev\mkd\06\_22\_Oak Hill Pressbox\_v23.rvt



THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2023 THE THRASHER GROUP, INC.

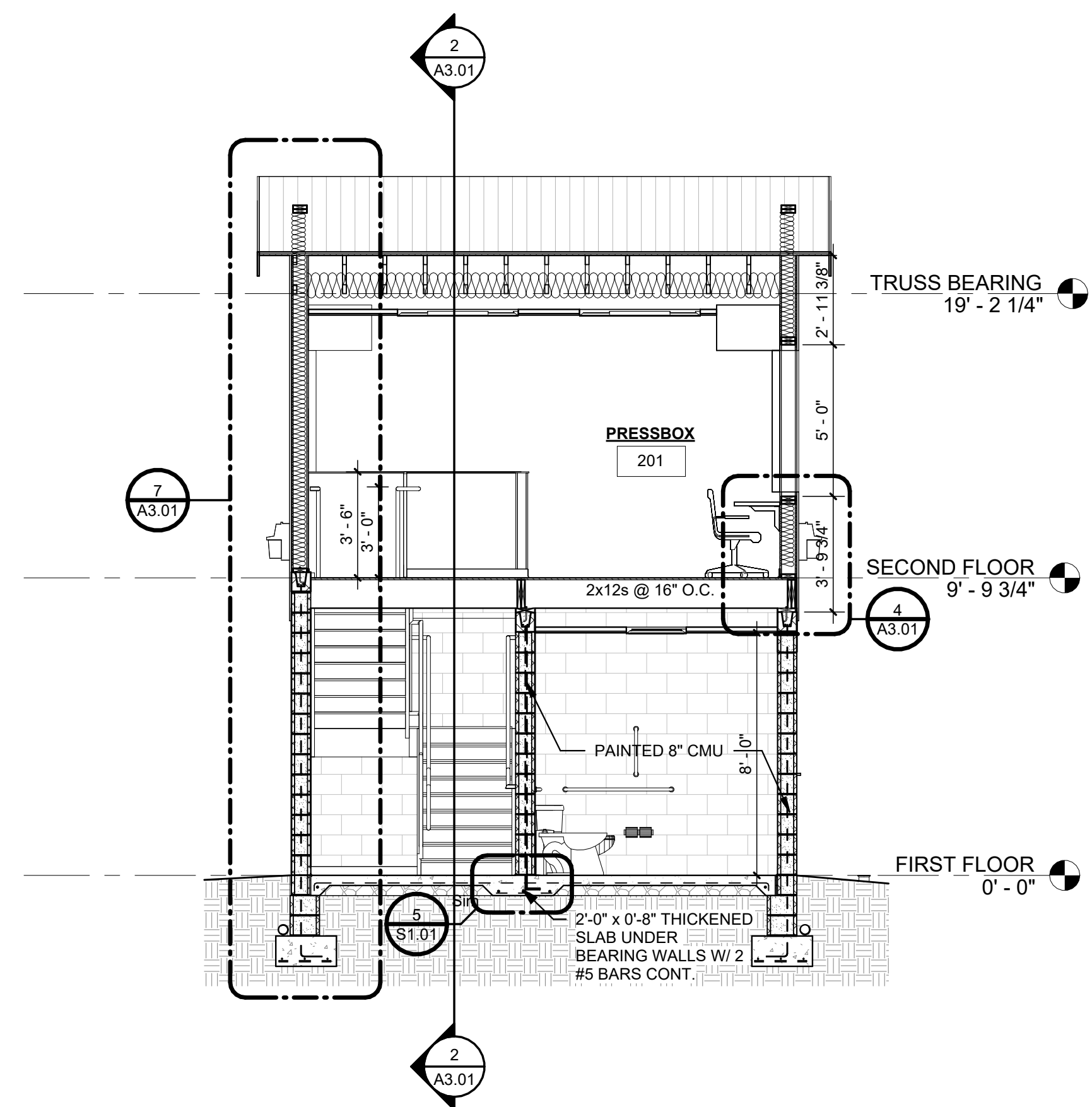


NO.	BY	DATE	DESCRIPTION
1			
LOG			
6/6/2023			ADDENDUM 1 - REVISED ARCHITECTURAL PLANS

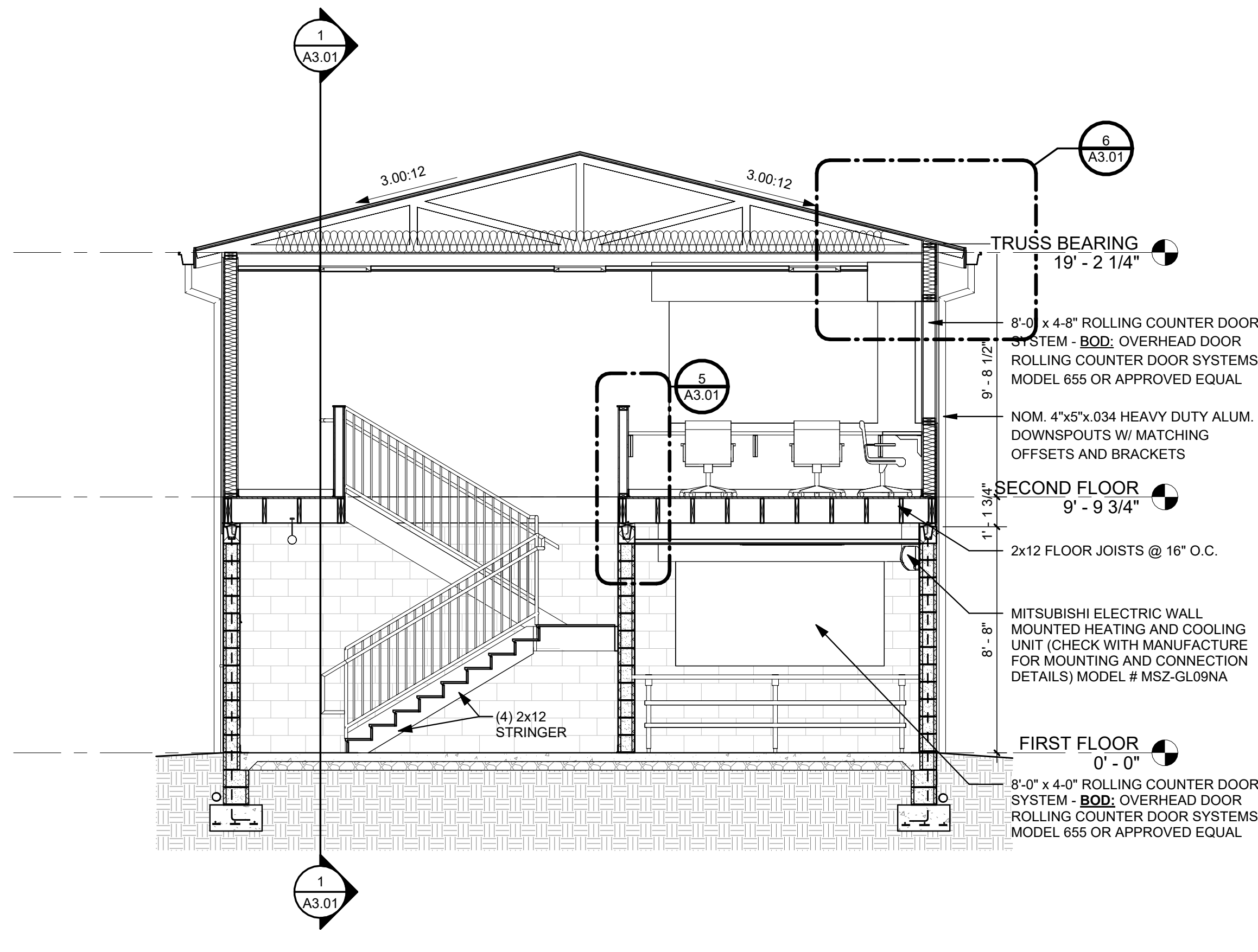
**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

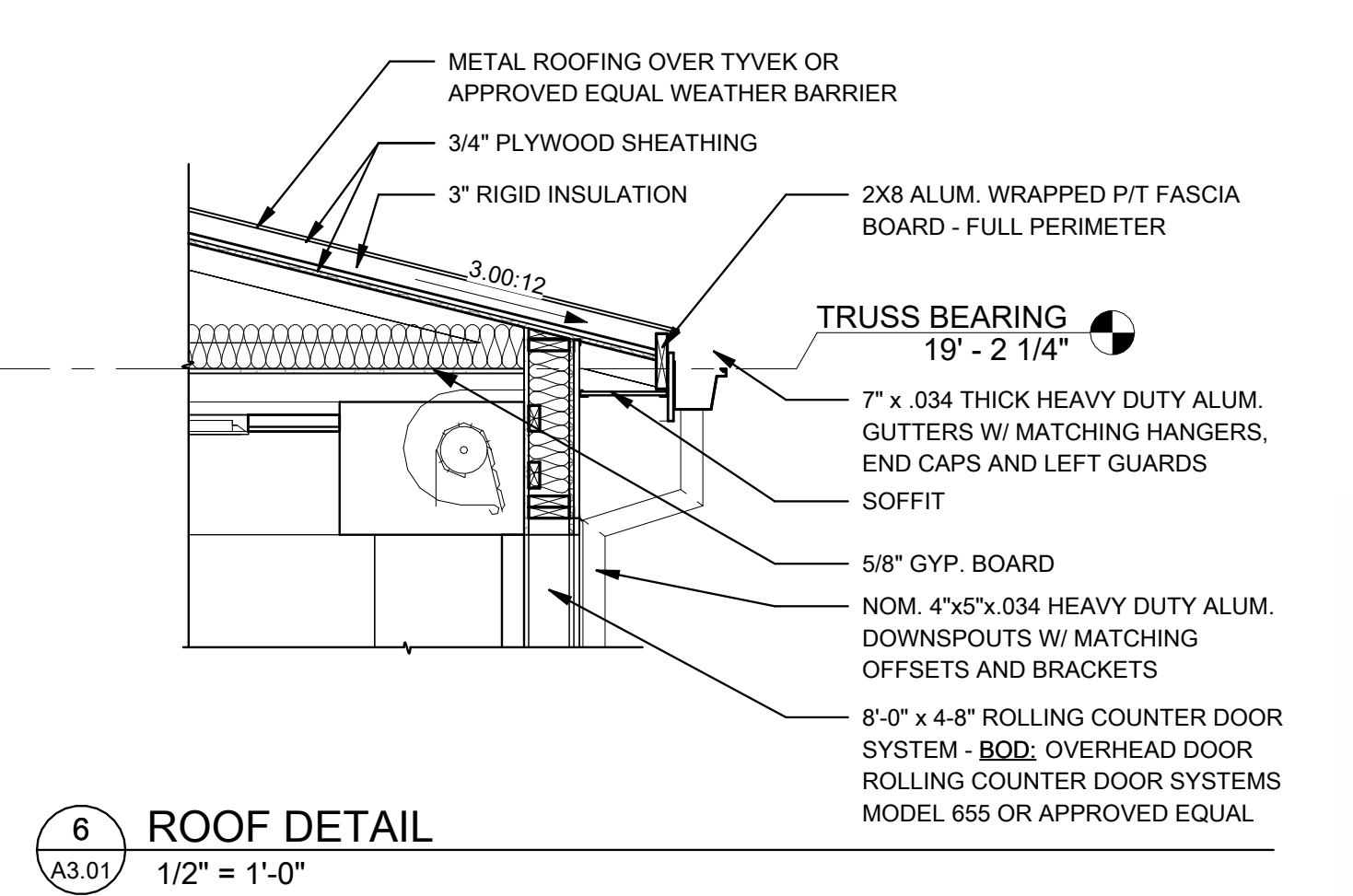
SECTIONS & DETAILS



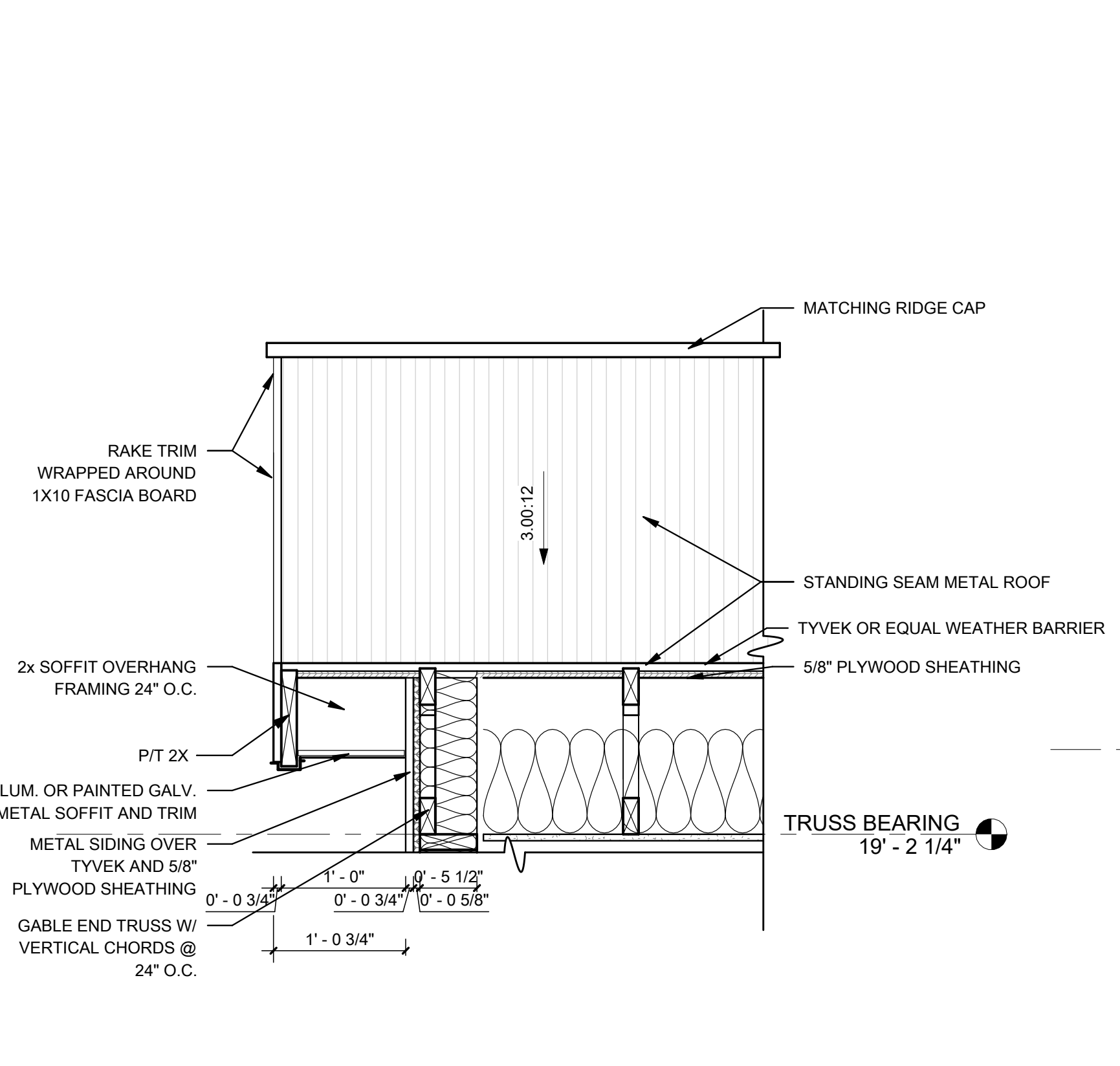
**1 BUILDING SECTION**  
A3.01 1/4" = 1'-0"



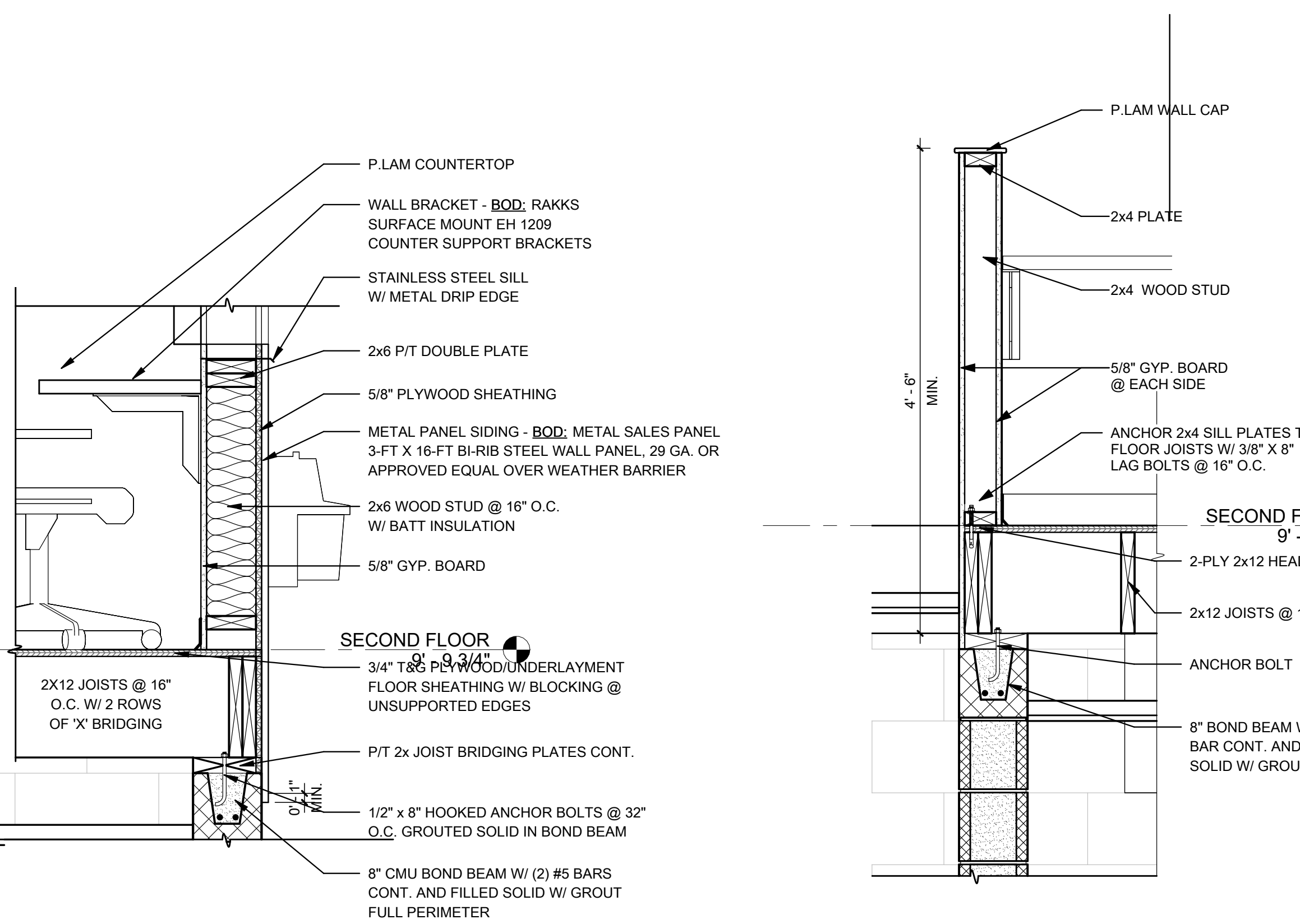
**2 BUILDING SECTION**  
A3.01 1/4" = 1'-0"



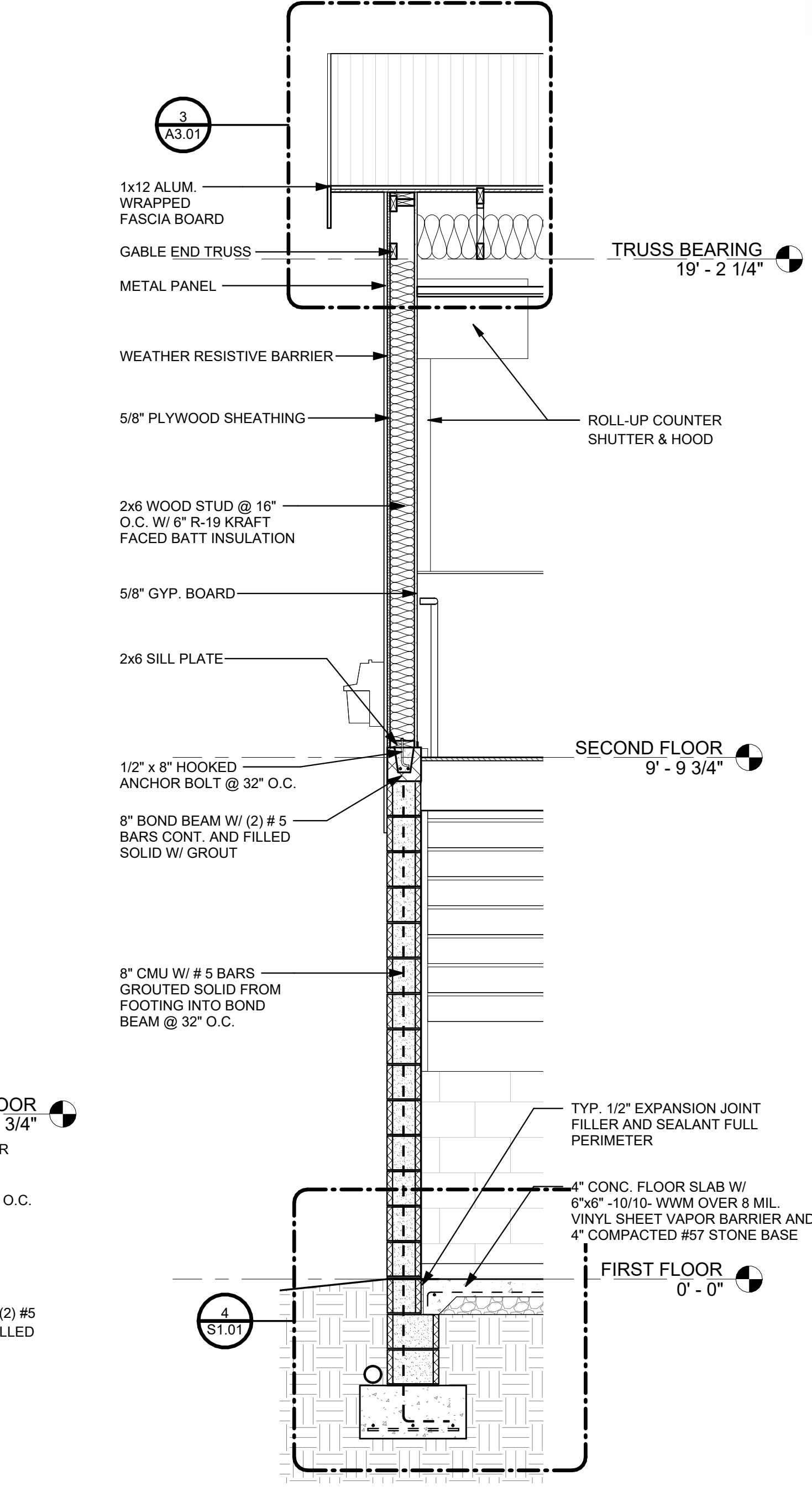
**6 ROOF DETAIL**  
A3.01 1/2" = 1'-0"



**3 ROOF DETAIL**  
A3.01 1" = 1'-0"



**4 FLOOR CONNECTION DETAIL**  
A3.01 1" = 1'-0"



**7 WALL SECTION**  
A3.01 1/2" = 1'-0"

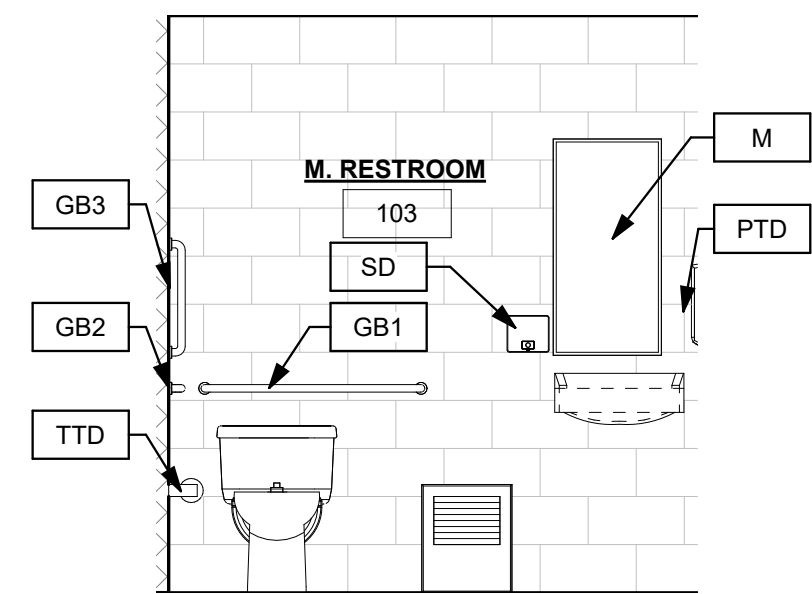
LAYOUT TAB: SECTIONS & DETAILS  
CAD FILE: R:\030720\1197\00 - Oak Hill City Park Renovations\Drawings\Architectural\Revit\03\_22\_Oak Hill Pressbox\_v23.rvt

USER: CFT

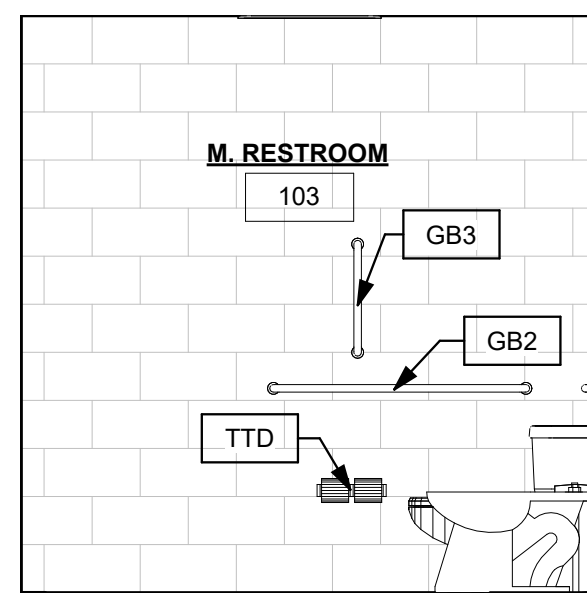
PLOT DATE/TIME: 6/6/2023 6:48:25 AM



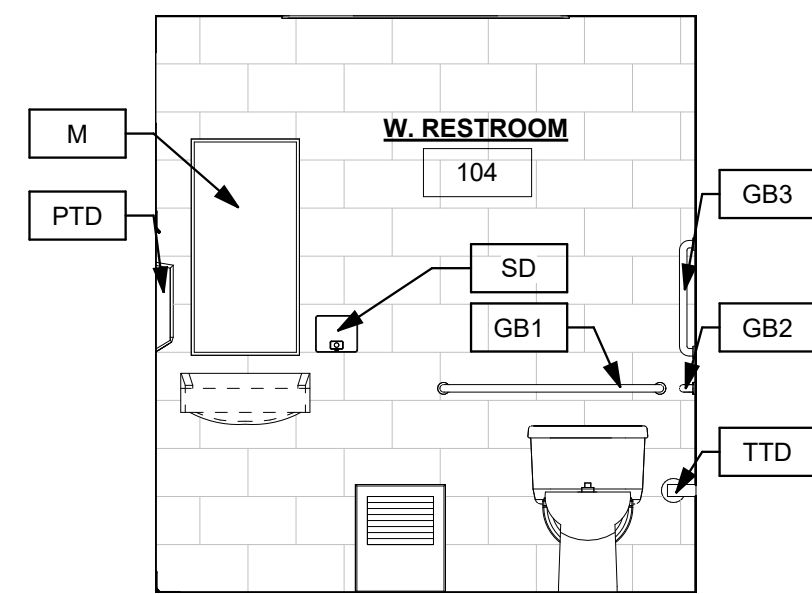
THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2023 THE THRASHER GROUP, INC.



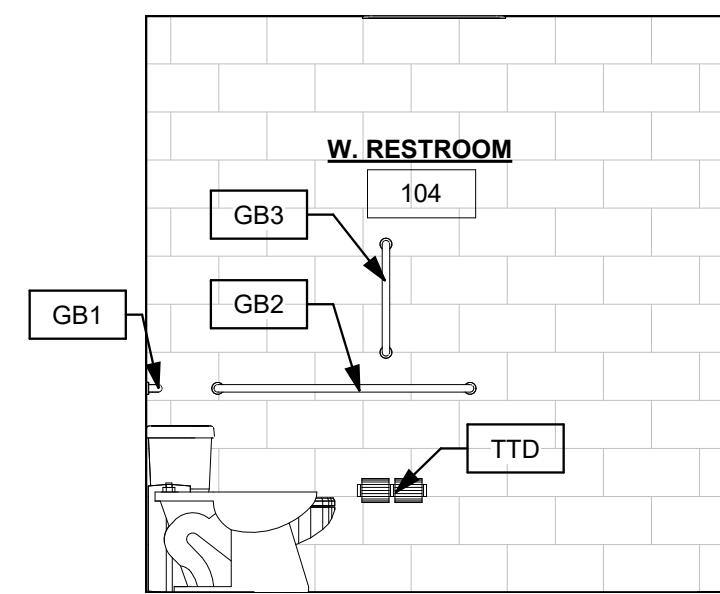
1 RESTROOM ELEVATION  
A4.01 3/8" = 1'-0"



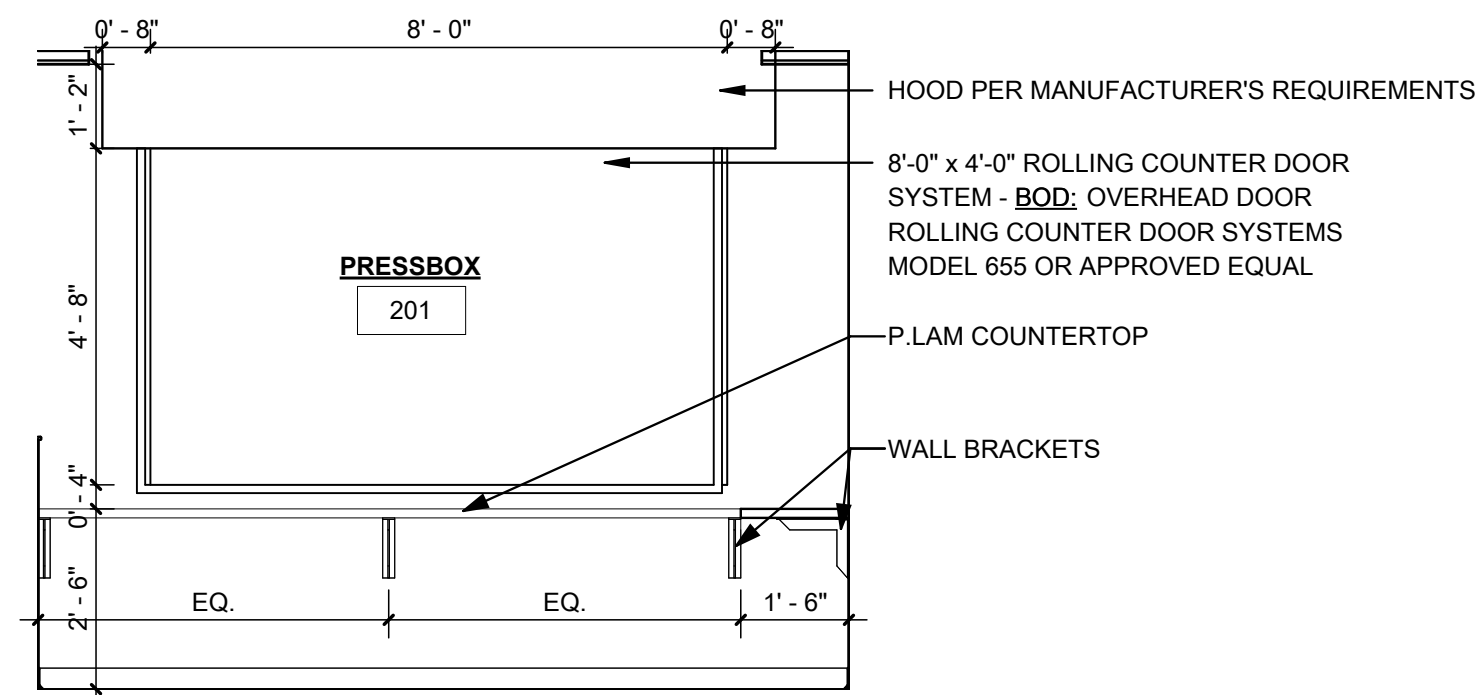
2 RESTROOM ELEVATION  
A4.01 3/8" = 1'-0"



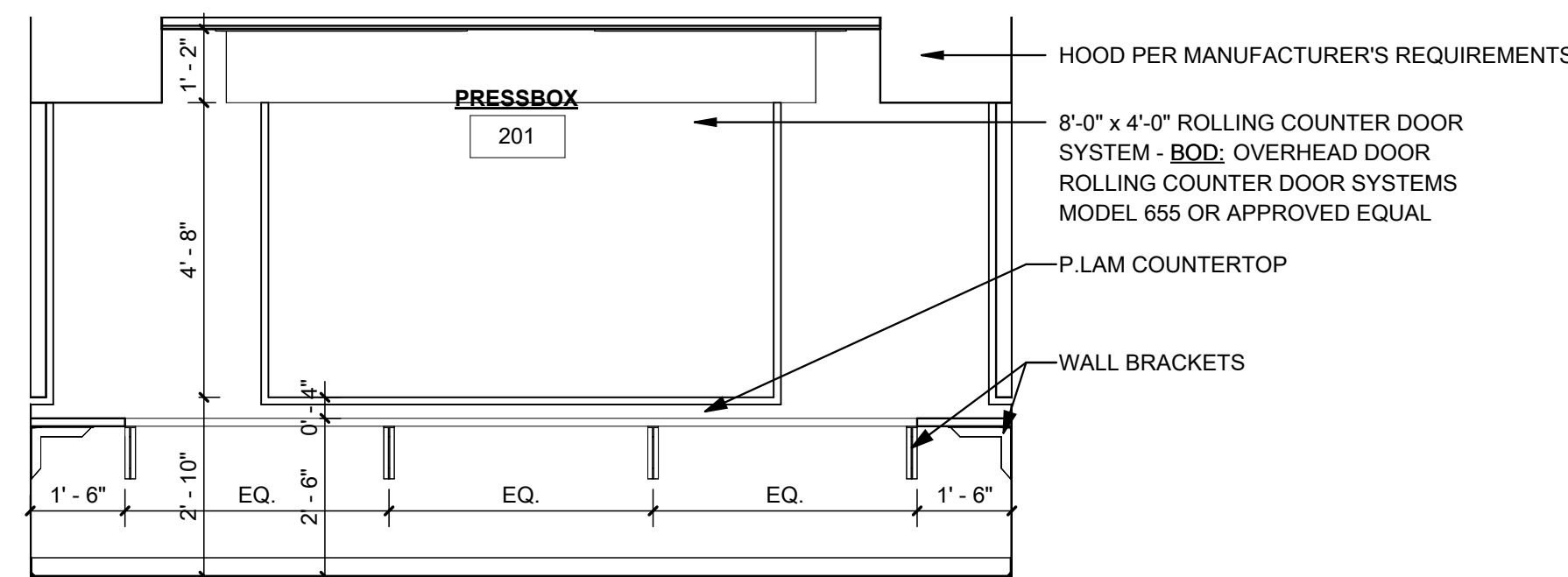
3 RESTROOM ELEVATION  
A4.01 3/8" = 1'-0"



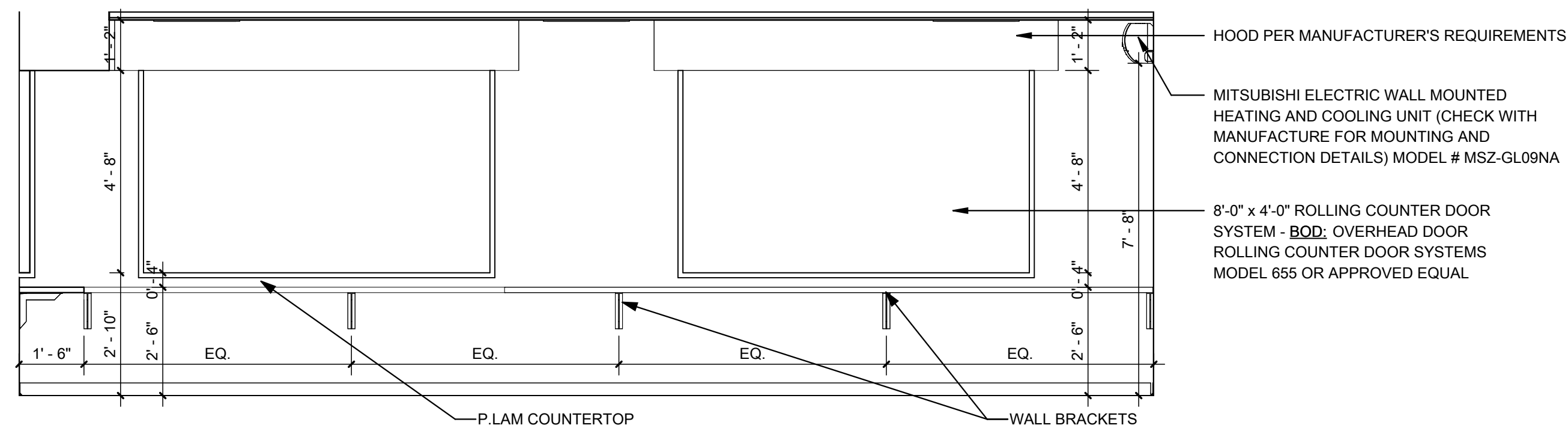
4 RESTROOM ELEVATION  
A4.01 3/8" = 1'-0"



5 PRESSBOX ELEVATION  
A4.01 3/8" = 1'-0"



6 PRESSBOX ELEVATION  
A4.01 3/8" = 1'-0"



7 PRESSBOX ELEVATION  
A4.01 3/8" = 1'-0"

LOG	NO.	BY	DATE	DESCRIPTION
1				

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

NOTE #	DESCRIPTION
BCS	BABY CHANGING STATION
CR	CURTAIN ROD
FDS	FOLD DOWN SEAT
GB1	36" HORIZONTAL GRAB BAR
GB2	42" HORIZONTAL GRAB BAR
GB3	18" VERTICAL GRAB BAR
GB4	SHOWER GRAB BARS
HD	HAND DRYER
M	MIRROR
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TB	TOWEL BAR
TCD	TOILET SEAT COVER DISPENSER
TTD	TOILET TISSUE DISPENSER

DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

ENLARGED PLAN VIEWS & INT. ELEVATIONS

**A4.01**



THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2023 THE THRASHER GROUP, INC.



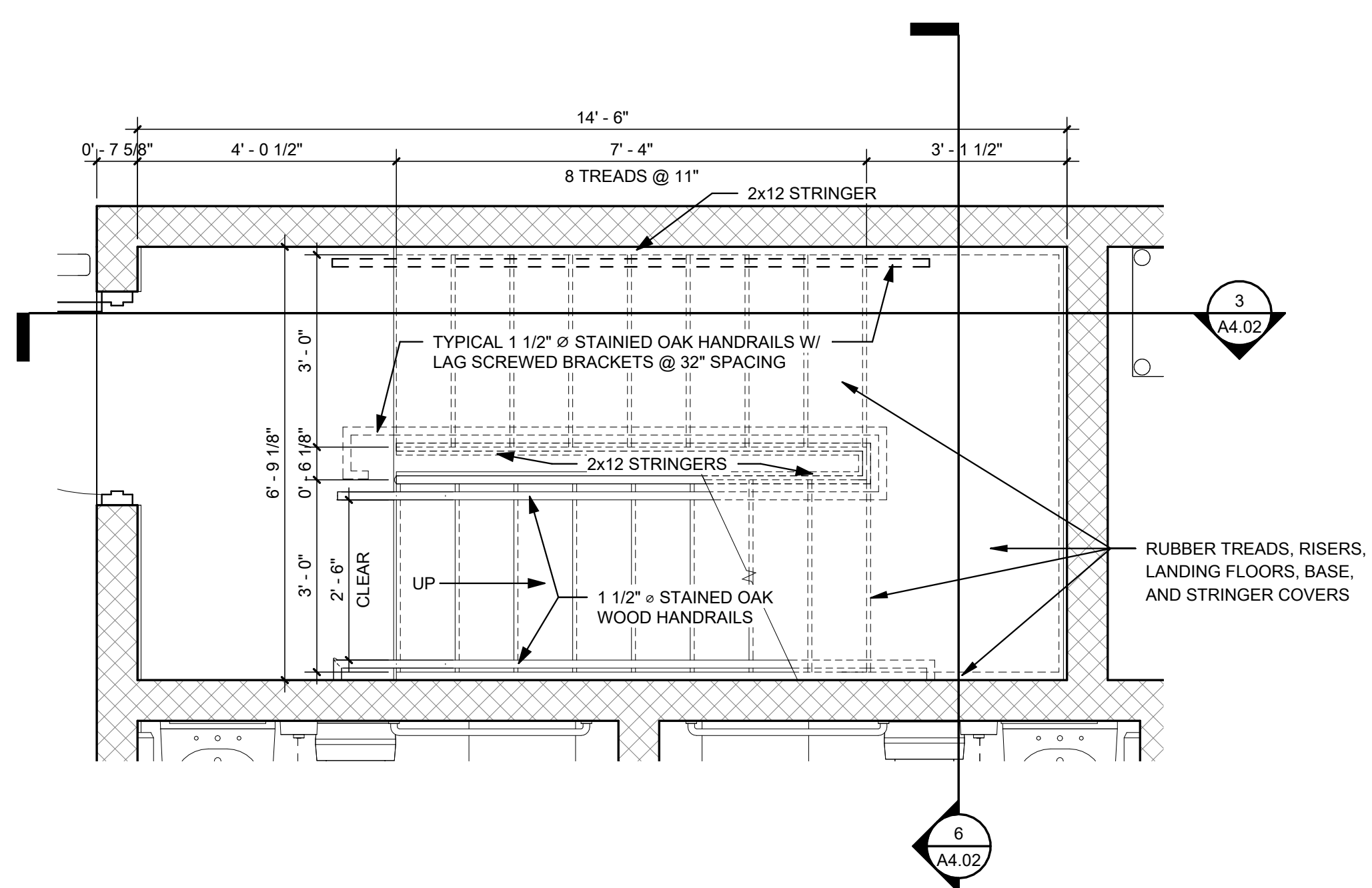
NO.	BY	DATE	DESCRIPTION
1	LOG	6/6/2023	ADDENDUM 1 - REVISED ARCHITECTURAL PLANS

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

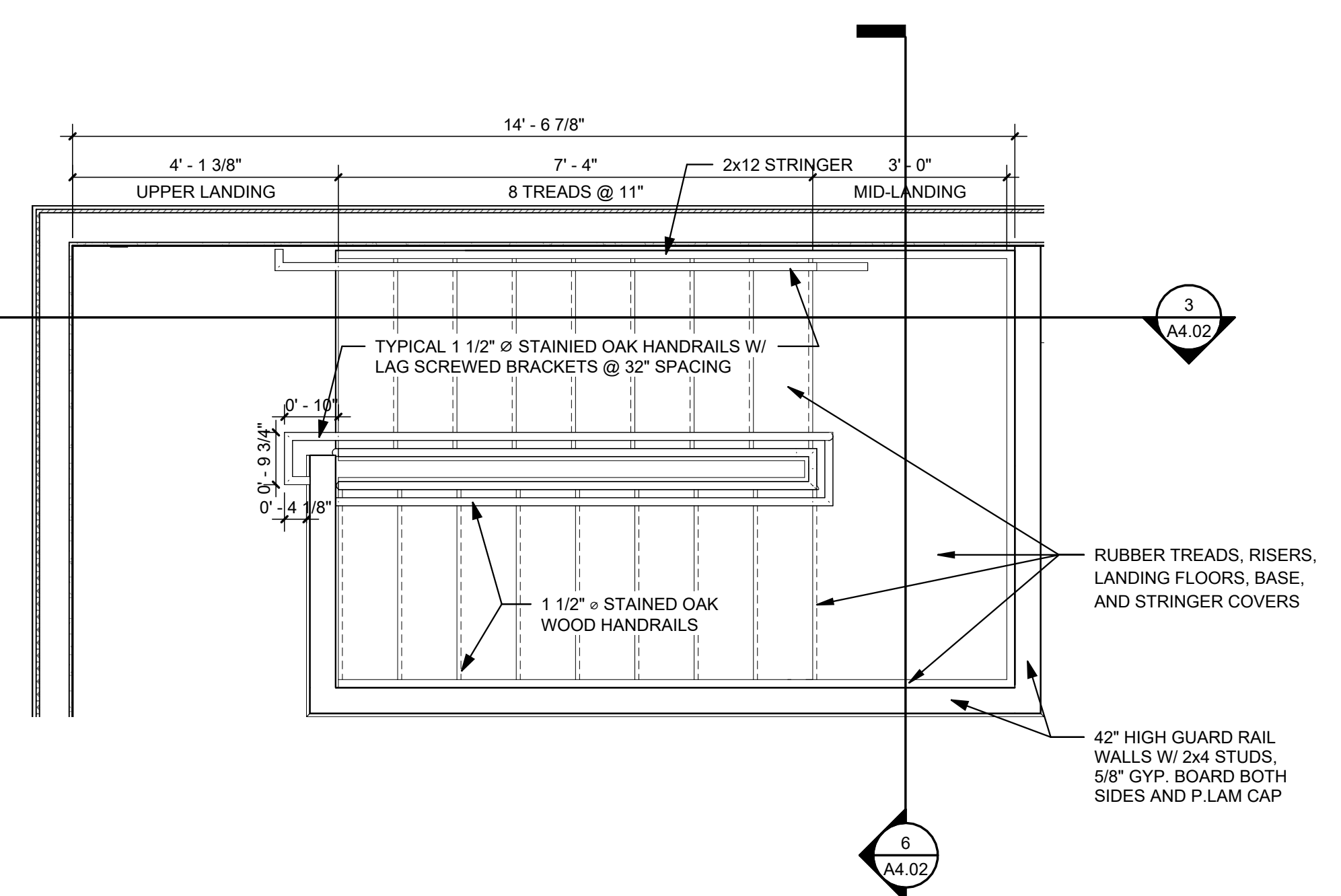
DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

VERTICAL CIRCULATION

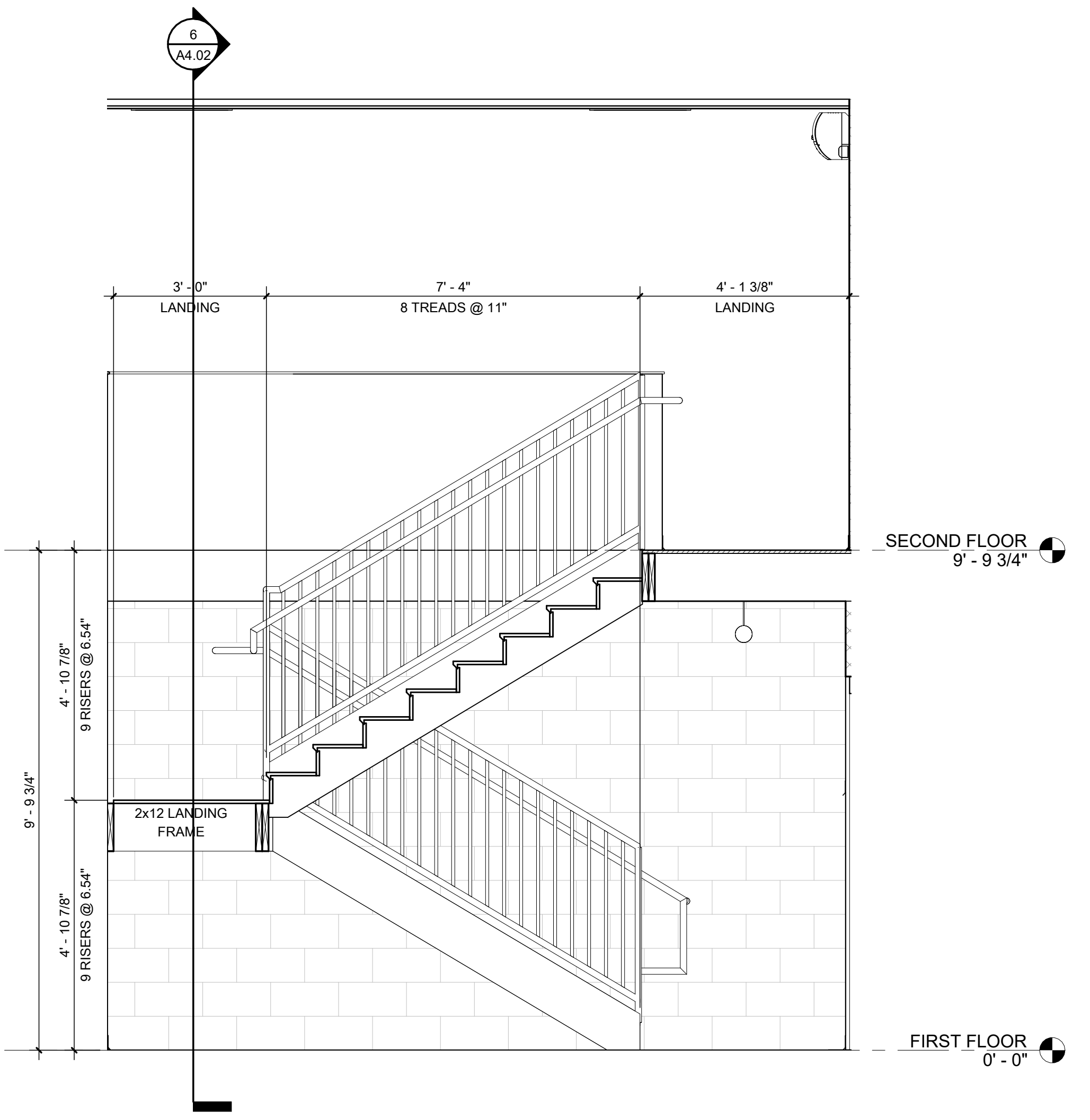
**A4.02**



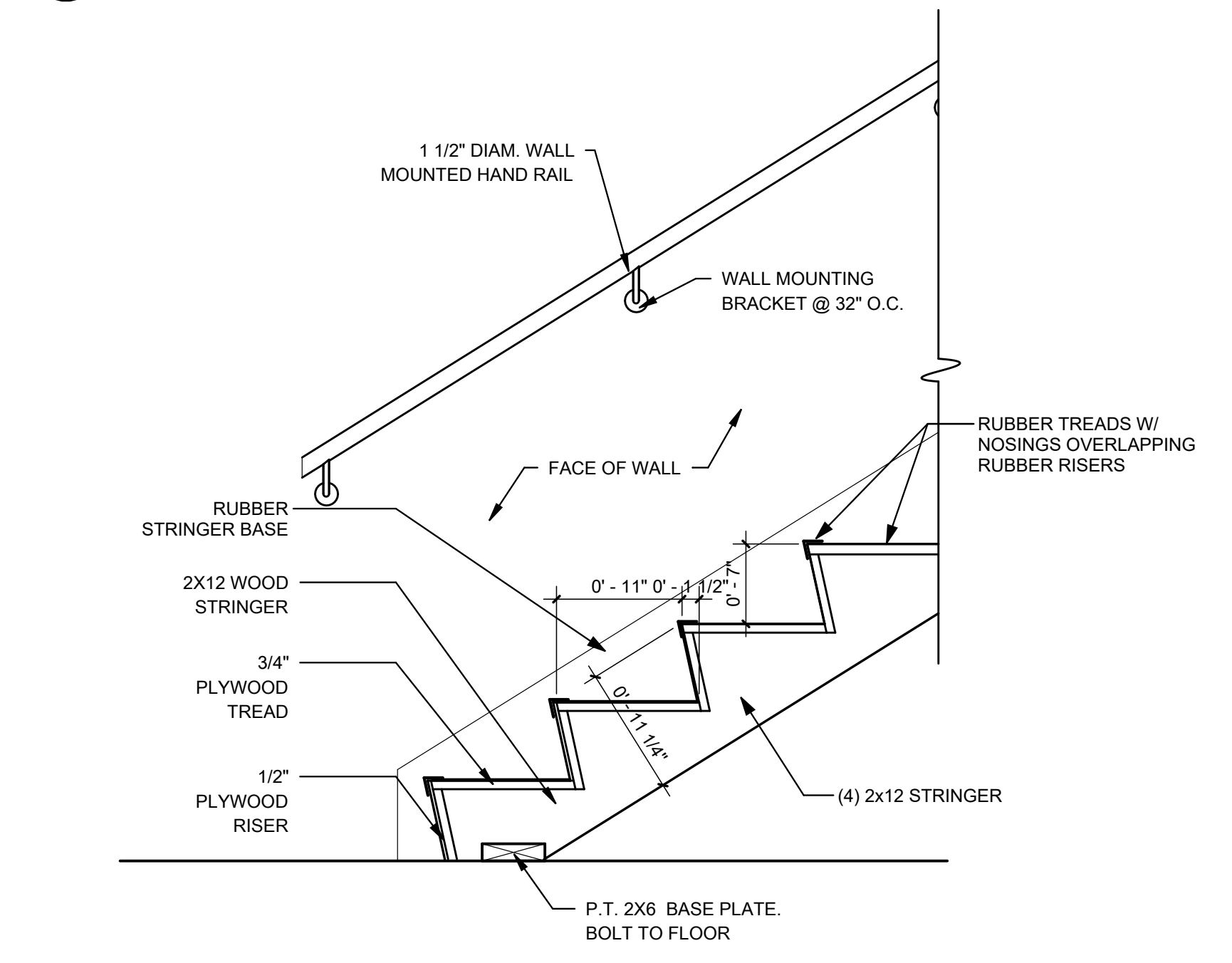
**1 STAIR PLAN - FIRST FLOOR**  
1/2" = 1'-0"



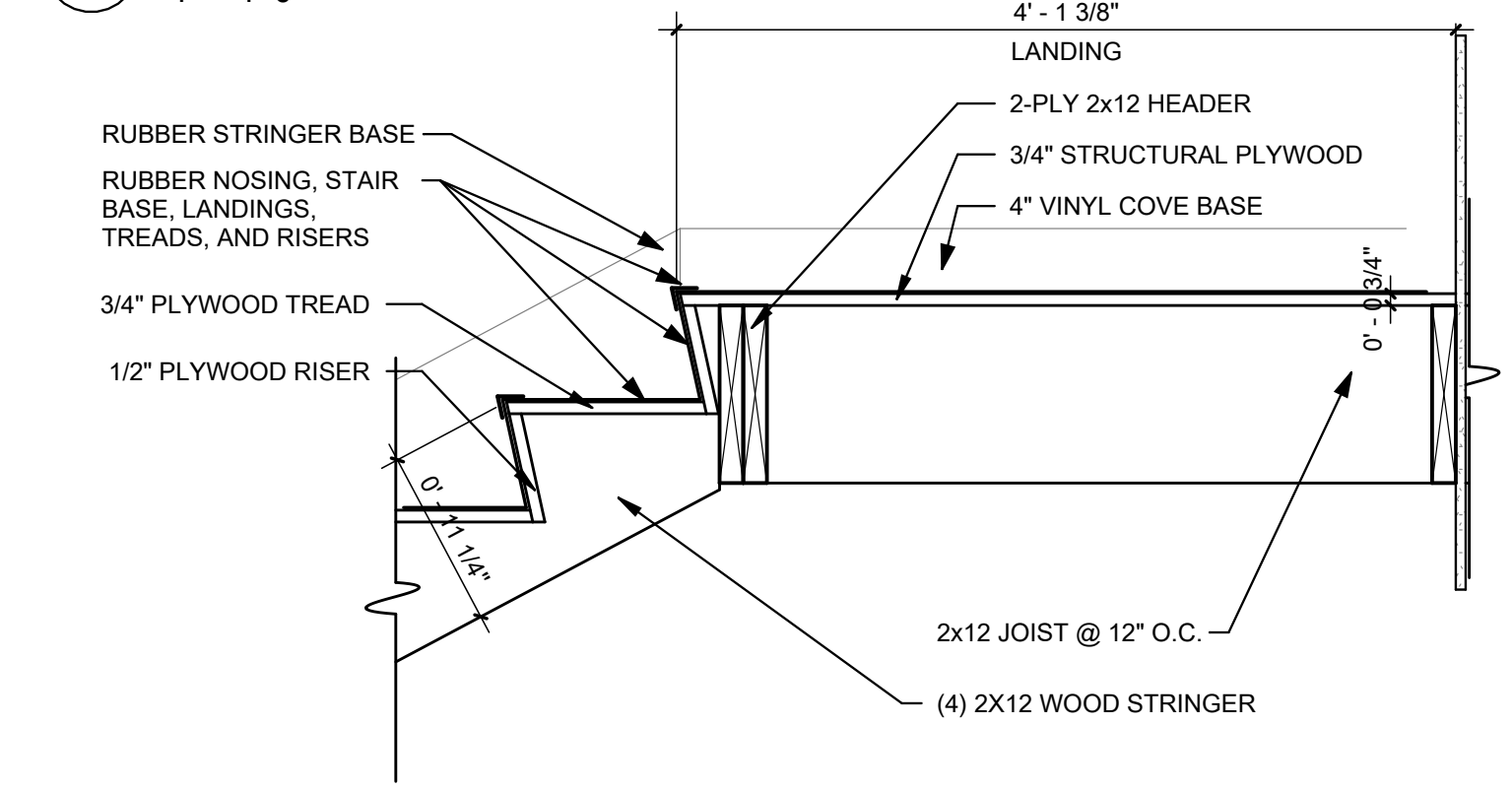
**2 STAIR PLAN - SECOND FLOOR**  
1/2" = 1'-0"



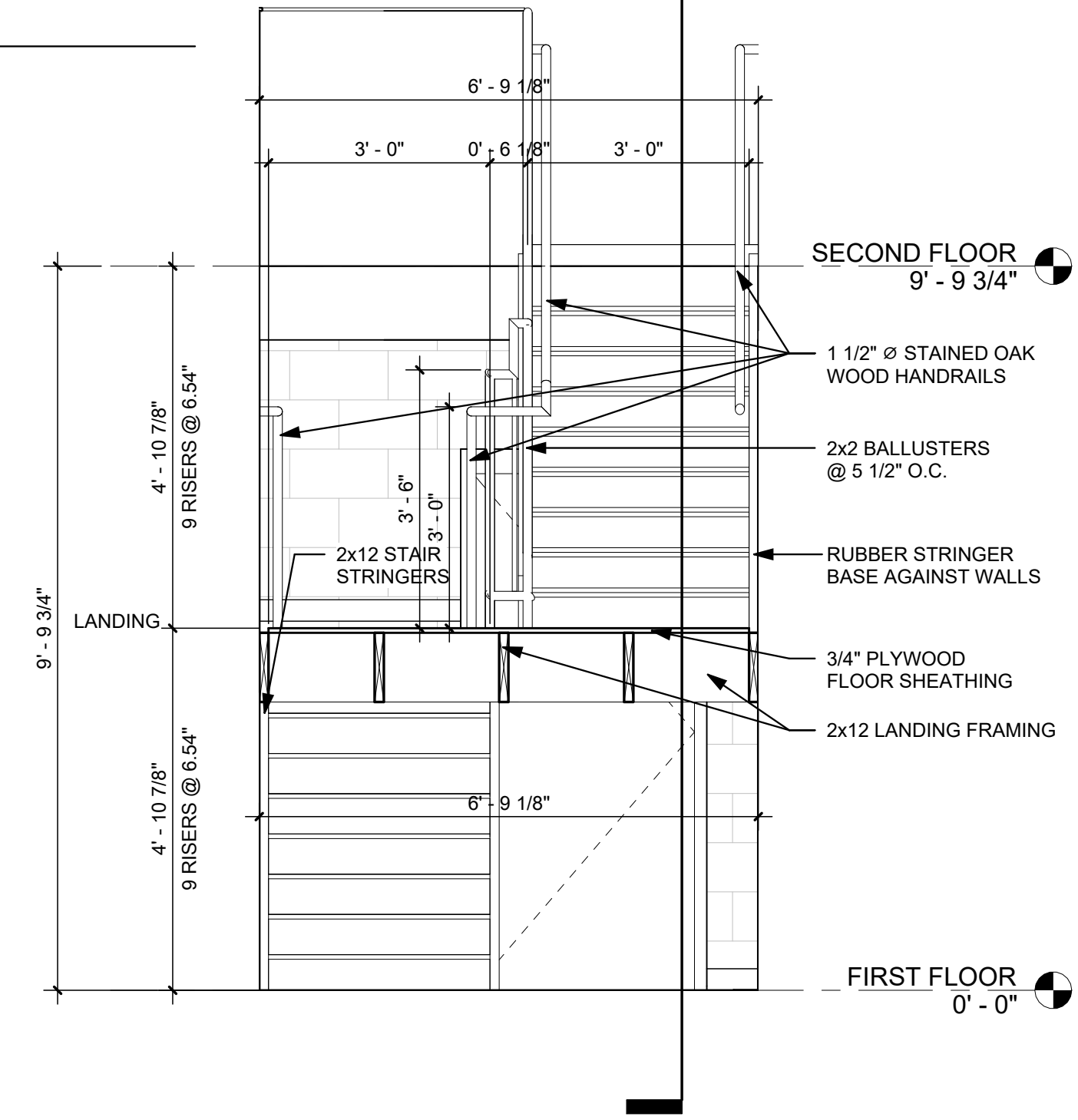
**3 STAIR SECTION**  
1/2" = 1'-0"



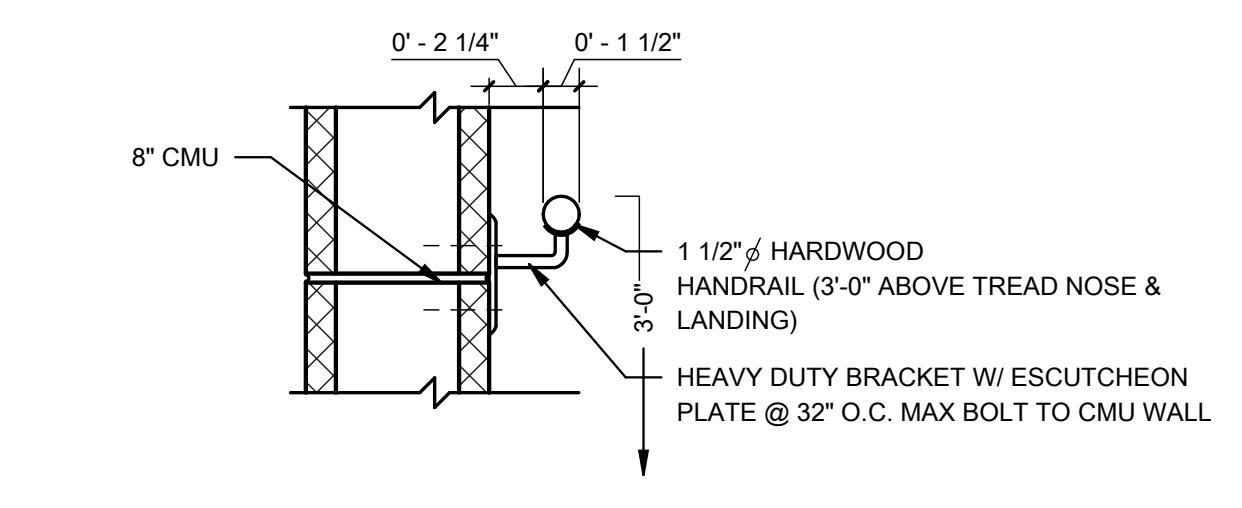
**4 STAIRS/RAILING - TYP. WOOD STRINGER (BOTTOM)**  
1" = 1'-0"



**5 STAIRS/RAILING - TYP. STRINGER (UPPER LANDING)**  
1" = 1'-0"



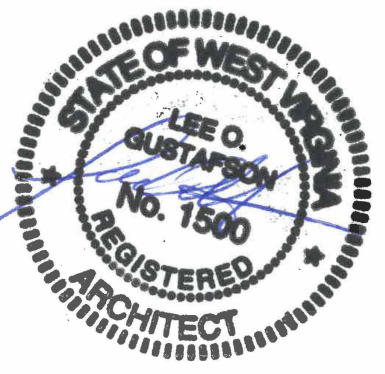
**6 STAIR SECTION**  
1/2" = 1'-0"



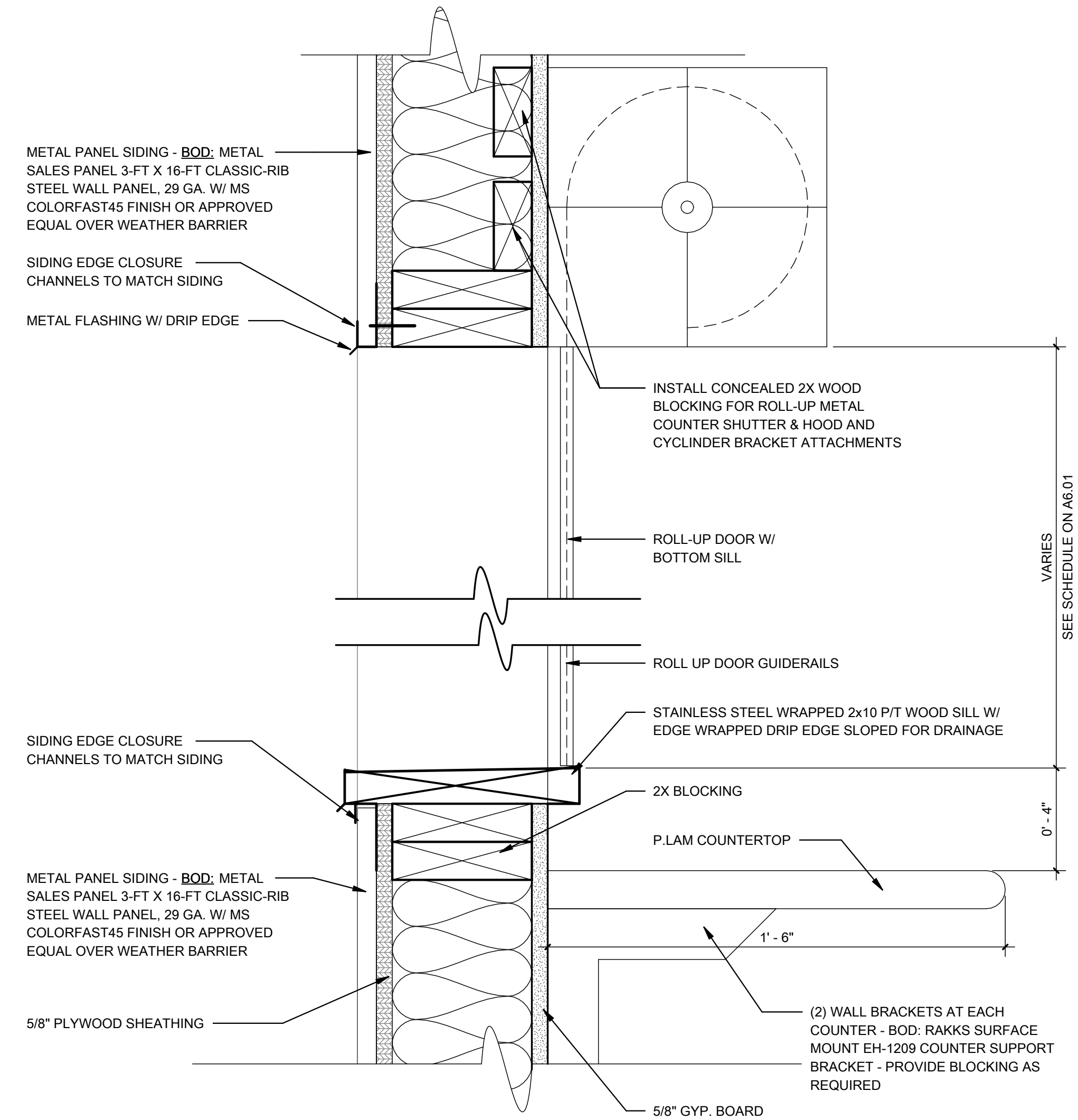
**7 STAIRS/RAILING - STAIR RAILING MOUNT**  
1 1/2" = 1'-0"

LAYOUT TAB - VERTICAL CIRCULATION 6/6/2023 6:48:27 AM  
CADD FILE: R:\03\2023\1197\00 - Oak Hill City Park Renovations\Drawings\Architectural\Revit\A4.02 - Oak Hill Project - v2.rvt  
USER: CFT

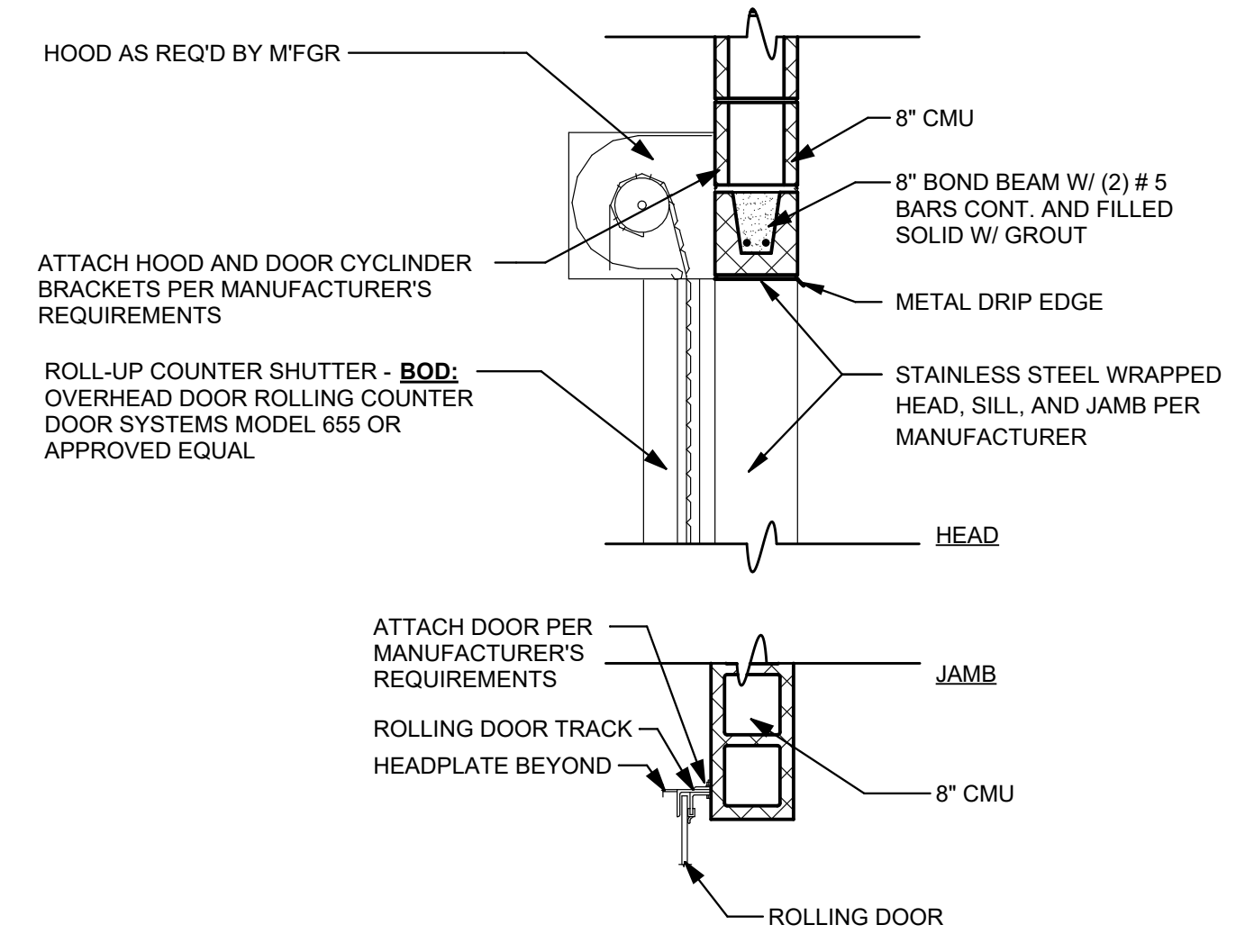
THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2023 THE THRASHER GROUP, INC.



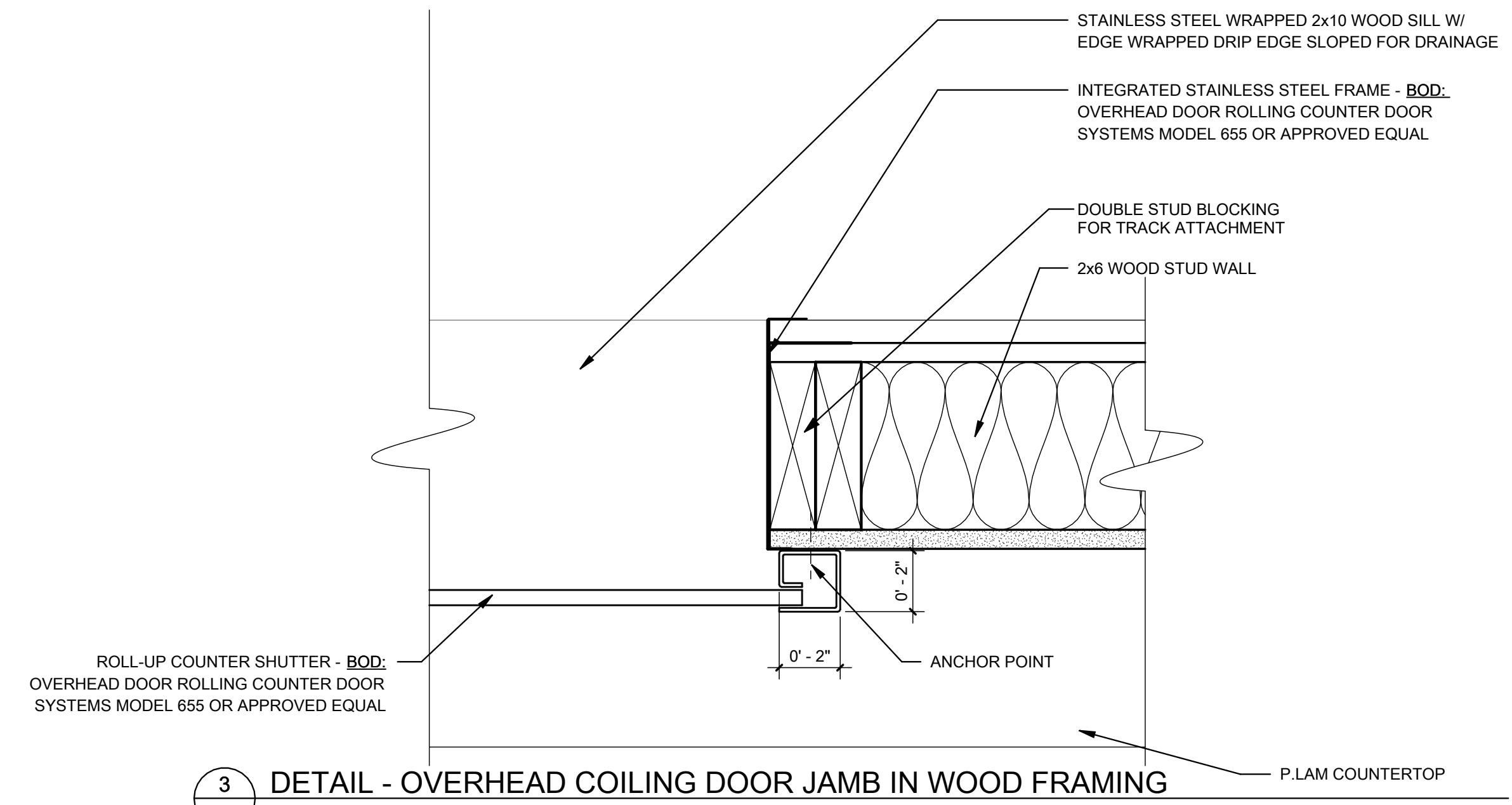
NO.	BY	DATE	DESCRIPTION
1	LOG	6/6/2023	ADDENDUM 1 - REVISED ARCHITECTURAL PLANS



**2** DETAIL - OVERHEAD COILING DOOR HEAD/SILL IN WOOD FRAMING  
A5.01 3" = 1'-0"



**1** DOOR DETAIL -OVERHEAD COILING DOOR @ CMU  
A5.01 3/4" = 1'-0"



**3** DETAIL - OVERHEAD COILING DOOR JAMB IN WOOD FRAMING  
A5.01 3" = 1'-0"

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

DETAILS

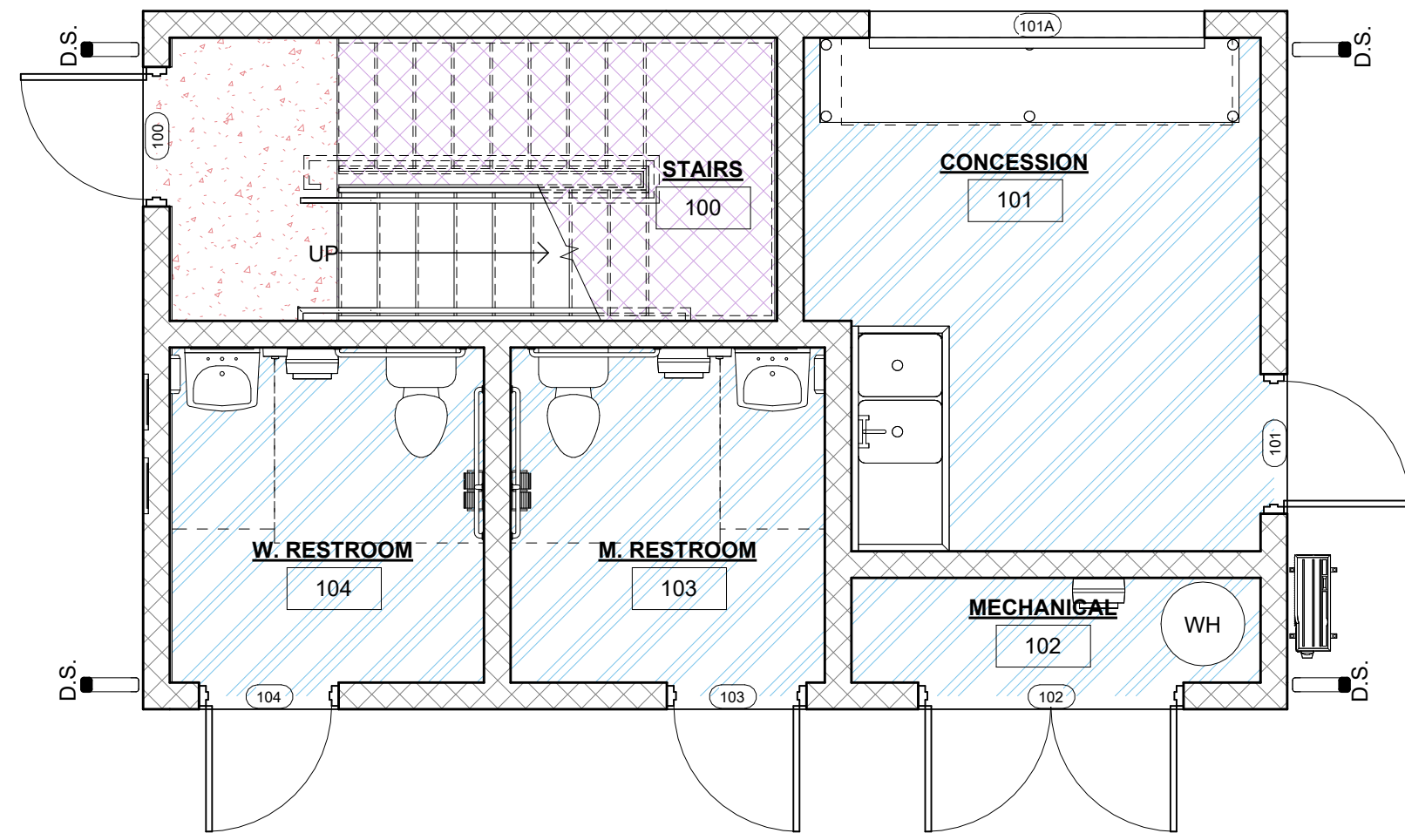
SHEET No. **A5.01**

LAYOUT TAB - DETAILS CAD FILE: R:\030720\11197\_00 - Oak Hill City Park Renovations\Drawings\Architectural\Revit\03\_22\_Oak Hill Project\03\_23.rvt USER: CFT PLOT DATE/TIME: 6/6/2023 9:48:28 AM



**ROOM FINISH SCHEDULE**

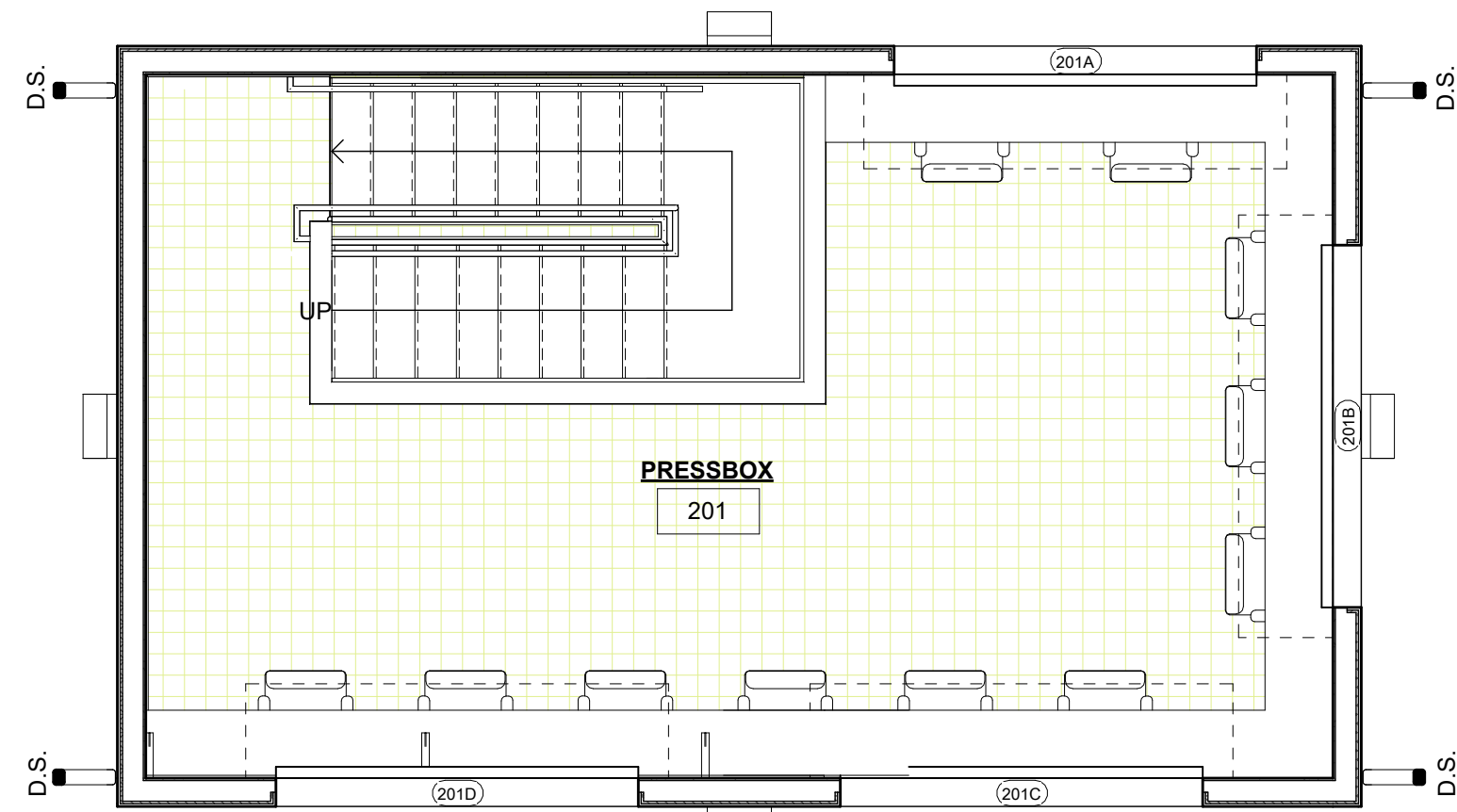
ROOM #	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH				CEILING HEIGHT	CEILING FINISH	REMARKS
				NORTH	EAST	SOUTH	WEST			
100	STAIRS	RUBBER	RUBBER	PAINT	PAINT	PAINT	PAINT	8'-8"	ACT	LANDING AT BOTTOM OF STEP TO BE CONC.
101	CONCESSION	EPOXY	EPOXY	PAINT	PAINT	PAINT	PAINT	8'-0"	ACT	
102	MECHANICAL	EPOXY	EPOXY	PAINT	PAINT	PAINT	PAINT	8'-0"	ACT	
103	FAMILY RESTROOM	EPOXY	EPOXY	PAINT	PAINT	PAINT	PAINT	8'-0"	ACT	
104	W. RESTROOM	EPOXY	EPOXY	PAINT	PAINT	PAINT	PAINT	8'-0"	ACT	
201	PRESSBOX	CARPET	RESILIENT	PAINT	PAINT	PAINT	PAINT	8'-8"	ACT	



**ROOM FINISH LEGEND**

- CONC.
- EPOXY
- RUBBER

**1** FIRST FLOOR - FINISHED FLOOR PLAN  
A6.01 1/4" = 1'-0"



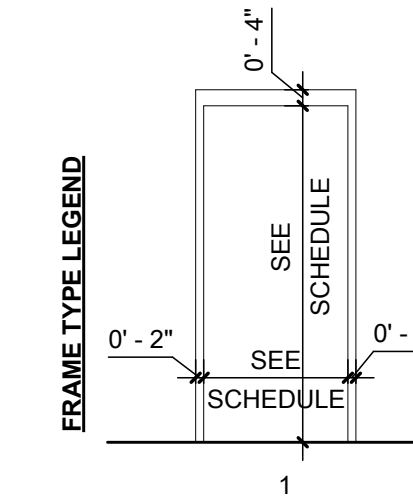
**ROOM FINISH LEGEND**

- CARPET

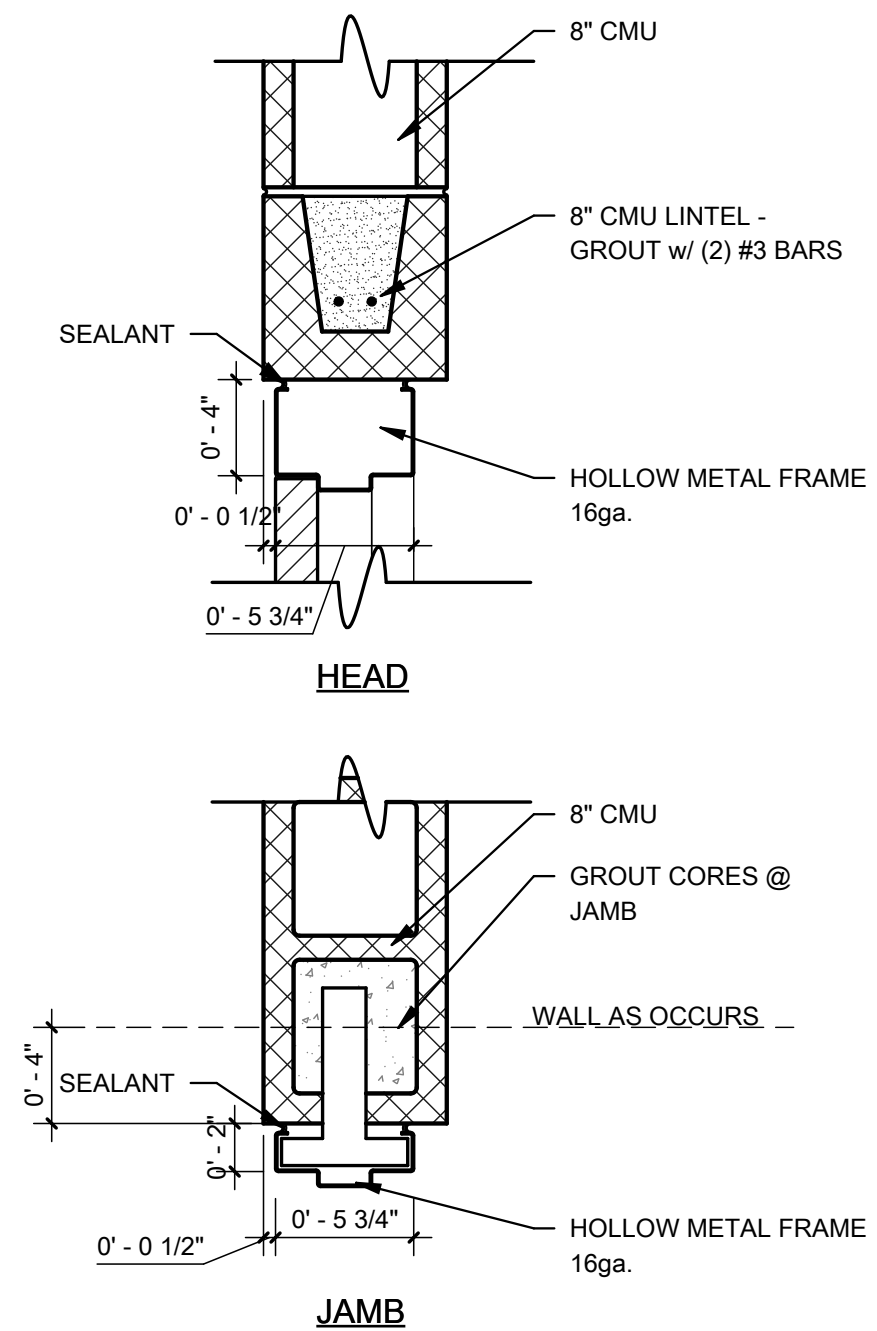
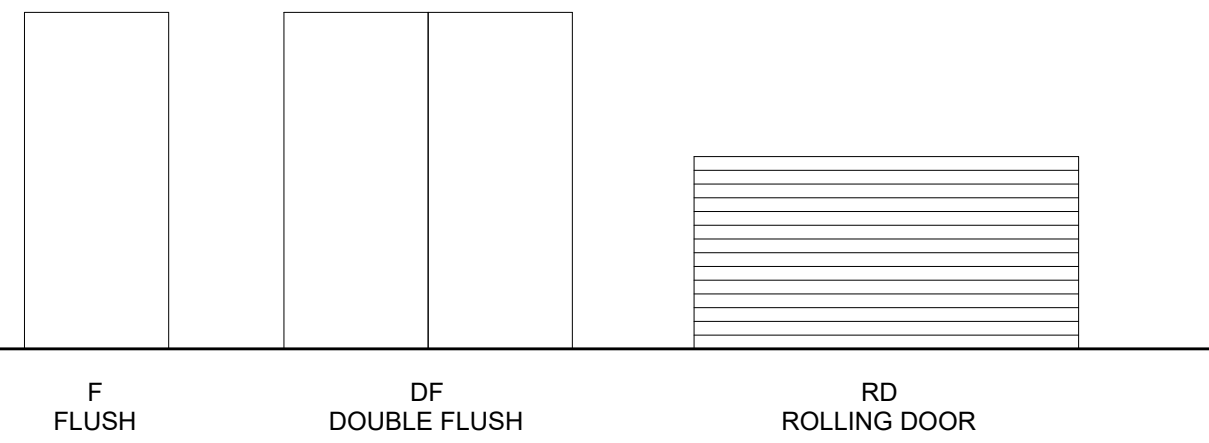
**2** SECOND FLOOR - FINISHED FLOOR PLAN  
A6.01 1/4" = 1'-0"

**DOOR FRAME & HARDWARE SCHEDULE**

#	DOOR						FRAME			ASSEMBLY			
	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME TYPE	FRAME DEPTH	FRAME MATERIAL	FRAME FINISH	FIRE RATING	HARDWARE SET	REMARKS
100	F	3'-0"	7'-0"	0'-1 3/4"	GALV. H.M.	PAINT	1	0'-5 3/4"	GALV. H.M.	PAINT		02	
101	F	3'-0"	7'-0"	0'-1 3/4"	GALV. H.M.	PAINT	1	0'-5 3/4"	GALV. H.M.	PAINT		02	
101A	RD	8'-0"	4'-0"	0'-2"	ALUM.							01	
102	DF	6'-0"	7'-0"	0'-1 3/4"	GALV. H.M.	PAINT	1	0'-5 3/4"	GALV. H.M.	PAINT		04	
103	F	3'-0"	7'-0"	0'-1 3/4"	GALV. H.M.	PAINT	1	0'-5 3/4"	GALV. H.M.	PAINT		03	
104	F	3'-0"	7'-0"	0'-1 3/4"	GALV. H.M.	PAINT	1	0'-5 3/4"	GALV. H.M.	PAINT		03	
201A	RD	8'-0"	4'-8"	0'-2"	GALV. STEEL							01	
201B	RD	8'-0"	4'-8"	0'-2"	GALV. STEEL							01	
201C	RD	8'-0"	4'-8"	0'-2"	GALV. STEEL							01	
201D	RD	8'-0"	4'-8"	0'-2"	GALV. STEEL							01	



DOOR TYPE LEGEND



**3** DOOR DETAIL - EXT. CMU  
A6.01 1 1/2" = 1'-0"

**HARDWARE GROUP NO. 01**

FOR USE ON DOOR #(S): 101A 201A 201B 201C 201D

PROVIDE EACH OPENING WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	All Hardware by Door Supplier		

**HARDWARE GROUP NO. 02**

FOR USE ON DOOR #(S): 100 101

PROVIDE EACH OPENING WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	628	IVE
1	EA	CLASSROOM SECURITY	626	SCH
1	EA	SFIC CORE	626	FAL
1	EA	SURFACE CLOSER	689	LCN
1	SET	GASKETING	AA	ZER
1	EA	DOOR SWEEP	AA	ZER
1	EA	THRESHOLD	A	ZER
1	EA	RAIN DRIP	A	ZER
1	EA	DOOR CONTACT	BLK	SCE

**HARDWARE GROUP NO. 03**

FOR USE ON DOOR #(S): 103 104

PROVIDE EACH OPENING WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	652	IVE
1	EA	PRIVACY LOCK	626	FAL
1	EA	OH STOP	630	GLY
1	EA	SURFACE CLOSER	689	FAL
1	EA	GASKETING	BK	ZER
1	EA	RAIN DRIP	AA	ZER
2	EA	DOOR SWEEP	AA	ZER
1	EA	THRESHOLD	A	ZER
2	EA	DOOR CONTACT	BLK	SCE

**HARDWARE GROUP NO. 04**

FOR USE ON DOOR #(S): 102

PROVIDE EACH OPENING WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	628	IVE
1	EA	SFIC CORE	626	FAL
2	EA	SURFACE CLOSER	689	LCN
1	EA	RAIN DRIP	AA	ZER
1	SET	GASKETING	AA	ZER
2	EA	DOOR SWEEP	AA	ZER
1	EA	THRESHOLD	A	ZER
2	EA	DOOR CONTACT	BLK	SCE



NO.	DATE	BY	DESCRIPTION
1	6/6/2023		ADDENDUM 1 - REVISED ARCHITECTURAL PLANS

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

SCHEDULES & DIAGRAMS

**A6.01**





NO.	DATE	BY	DESCRIPTION
1	6/6/2023		ADDENDUM 1 - REVISED ARCHITECTURAL PLANS
LOG			

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

LEGEND & NOTES

SHEET No.

**MEP**

PLUMBING SYMBOL LEGEND		MECHANICAL LEGEND		ELECTRICAL SYMBOL LEGEND		GENERAL ELECTRICAL NOTES	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	MT HEIGHT UNO	
	TURN UP OR FROM BELOW		COLD WATER PIPE (CW)		CIRCUIT SETTER (GPM INDICATED ON PLANS)		1. COORDINATE LOCATIONS OF CEILING-MOUNTED LIGHTING FIXTURES, SPEAKERS AND OTHER ITEMS WITH THE CEILING PATTERN AND MECHANICAL EQUIPMENT.
	TURN DOWN		HOT WATER PIPE (HW)		ROUND FLEXIBLE DUCT (ONLY @ DIFFUSER CONNECTION)		2. CENTER WALL-MOUNTED LIGHTING FIXTURES DIRECTLY OVER ANY RELATED LAVATORY, MIRROR OR OTHER EQUIPMENT.
	VENT THRU ROOF		(HW) PIPE @140°F		FIRE DAMPER		3. LOCATE FLOOR SERVICE FITTINGS, FLOOR BOXES AND FLOOR CONDUIT TERMINATIONS APPROXIMATELY AS INDICATED, EXACTLY AS NECESSARY OR AS DIRECTED TO COORDINATE WITH THE ASSOCIATED FURNISHINGS OR EQUIPMENT.
	BALL VALVE		HOT WATER RECIRCULATING (HWC)		MANUAL BALANCING DAMPER		4. LOCATE SNAP SWITCHES APPROXIMATELY 4 TO 6 INCHES FROM THE LATCH SIDE OF THE RELATED DOOR FRAME WHERE POSSIBLE, EXCEPT AS NOTED OTHERWISE.
	CHECK VALVE		BELOW GRADE STORM DRAIN		SUPPLY DUCT RISER		5. LOCATE SNAP SWITCHES DIRECTLY UNDER THERMOSTATS WHERE THEY ARE SHOWN IN CLOSE PROXIMITY (SEE MECHANICAL DRAWINGS).
	UNION		SANITARY SEWER		RETURN OR OUTSIDE AIR DUCT RISER		6. LOCATE WALL BOXES APPROXIMATELY AS INDICATED, EXACTLY AS DIRECTED OR AS NECESSARY TO ACHIEVE SYMMETRY AND COORDINATED WITH THE BUILDING, FINISHES AND EQUIPMENT.
	GAS VALVE		ACID WASTE PIPING		EXHAUST AIR DUCT RISER		7. LOCATE ALL BOXES TO BE ACCESSIBLE. MOUNT FLUSH BOXES WITH THEIR FRONT EDGES EVEN WITH THE FINISHED SURFACE OF COMBUSTIBLE MATERIALS, WITHIN 1/4 INCH OF NON-COMBUSTIBLE MATERIALS. WRAP ALL BOXES WITH SOUND INSULATIONS.
	GAS VALVE IN VERTICAL		ACID VENT PIPING		DUCT SIZE INSIDE DIMENSIONS - 24"W x 10"D		8. MOUNT SINGLE-GANG BOXES WITH THE LONGER DIMENSION VERTICAL EXCEPT AS NOTED OTHERWISE. MOUNT ALL BOXES AND PLATES PLUM.
	SHOCK ABSORBER, LETTER DESIGNATES SIZE		VENT PIPING		DUCT SIZE - 10" DIAMETER		9. DO NOT INSTALL BOXES BACK TO BACK ON BOTH SIDES OF A PARTITION. OFFSET BOXES A MINIMUM OF 6 INCHES EXCEPT AS NOTED OTHERWISE.
	PRESSURE REGULATING VALVE		GAS PIPING		THERMOSTAT	16" AFF	10. LOCATE ALL RACEWAYS TO AVOID INTERFERENCE WITH DUCTS, PIPES, MECHANICAL EQUIPMENT, WITH THE REMOVAL OF CEILING TILE, OR WITH ACCESS TO EQUIPMENT THAT REQUIRES PERIODIC ADJUSTMENT OR MAINTENANCE.
	FLOOR CLEANOUT		WALL HYDRANT		HUMIDISTAT	16" AFF	11. DO NOT SUPPORT RACEWAYS OR EQUIPMENT FROM PIPES, DUCTS, OR A CEILING SUSPENSION SYSTEM.
	SURFACE CLEANOUT		ROOF DRAIN		CONNECT TO EXISTING	16" AFF	12. BRANCH CIRCUIT AND FEEDERS ARE DESIGNATED BY A NUMBER AND LETTER.
	FLOOR DRAIN		FORCE MAIN PIPING		WIRE GUARD	80" AFF	13. INSTALL FEEDER RACEWAYS WITH NO MORE THAN 3 CURRENT-CARRING CONDUCTORS PLUS A NEUTRAL CONDUCTOR, PLUS A GROUND CONDUCTOR.
	FLOOR SINK		FIRE PROTECTION PIPING		EXISTING		14. INDICATED BRANCH CIRCUIT CONDUCTOR SIZES ARE BASED ON NO MORE THAN 3 CURRENT-CARRING CONDUCTORS AND A NON-CURRENT-CARRING NEUTRAL CONDUCTOR IN EACH RACEWAY. WHERE THE NUMBER OF CONDUCTORS EXCEEDS THIS AMOUNT, ADJUST THE CONDUCTOR SIZES IF AND AS NECESSARY TO ACCOUNT FOR DERATING THEIR AMPACITY IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
	FIXTURE DESIGNATION		CONDENSATE DRAIN PIPING		DUCT MOUNT SMOKE DETECTOR		15. FROM EACH FLUSH MOUNTED PANELBOARD EXTEND A MINIMUM OF THREE EMPTY 3/4" CONDUITS TO ABOVE AN ACCESSIBLE CEILING AND CAP.
	ABOVE GRADE RAINWATER CONDUCTOR		DOWNSPOUT NOZZLE		LOOP SUPPLY PIPING		16. PROVIDE AN ADJACENT DISCONNECT SWITCH FOR EACH ELECTRIC UNIT HEATER.
	STRAINER		SECONDARY ROOF DRAIN		LOOP RETURN PIPING		17. IN MECHANICAL ROOMS ADJUST LIGHTING FIXTURE LOCATIONS AS NECESSARY TO COORDINATE WITH EQUIPMENT AND TO PROVIDE OPTIMUM ILLUMINATION.
<b>GENERAL PLUMBING NOTES</b>			KITCHEN EQUIPMENT NUMBER		DIFFUSER SYMBOL-SEE SCHEDULE		18. LOCATE TV AND DATA OUTLETS APPROXIMATELY AS SHOWN ON DRAWINGS. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
1.	ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF INTERNATIONAL PLUMBING CODE & LOCAL AUTHORITIES HAVING JURISDICTION.				DESIGN CUBIC FEET PER MINUTE OF AIR QUANTITY FOR ROOM OR SPACE		19. WHERE EMERGENCY LIGHTING FIXTURES ARE CONTROLLED BY ONE OR MORE WALL SWITCHES, PROVIDE AN UNSWITCHED CIRCUIT CONDUCTOR FOR OPERATION OF THE EMERGENCY CONTROLS.
2.	ALL PIPING IN EXTERIOR WALLS TO BE RUN ON BUILDING SIDE OF INSULATION.			<b>ABBREVIATIONS</b>			20. PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH DIMMED LIGHTING CIRCUIT.
3.	PIPING LAYOUT IS SCHEMATIC. EXACT LOCATIONS OF PIPES TO BE COORDINATED WITH BUILDING STRUCTURE AND WORK OF OTHER TRADES.			AFF	ABOVE FINISHED FLOOR		21. COORDINATE OUTLET LOCATIONS AND CIRCUIT RATINGS WITH THE EQUIPMENT SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS AND WITH ALL EQUIPMENT AND FURNISHINGS SHOWN ON THE ARCHITECTURAL DRAWINGS.
4.	MINIMUM PIPE SLOPE ON THE DRAINAGE AND VENT SYSTEM WITHIN THE BUILDING. A. 2" PIPING SHALL SLOPE AT LEAST 1/4" PER FOOT. B. ALL PIPE 3" AND LARGER SHALL SLOPE AT LEAST 1/8" PER FOOT.			BFF	BELOW FINISH FLOOR		22. EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH SPECIFICATIONS AND AS REQUIRED BY THE NATIONAL ELECTRIC CODE.
5.	PIPING SHALL NOT BE ROUTED ABOVE ELECTRIC PANELS.			BTU	BRITISH THERMAL UNIT		23. ALL WORK SHALL COMPLY WITH NFPA 70 AND THE NEC.
6.	COORDINATE PIPING IN TOILET AREAS WITH RECESSED TOILET ACCESSORIES. OFFSET PIPING AS REQUIRED TO ALLOW RECESS OF THESE ITEMS. SEE ENLARGED TOILET PLANS FOR LOCATIONS.			DN	DOWN		24. ELECTRICAL BRANCH CIRCUITS SHALL NOT SHARE A COMMON NEUTRAL.
7.	NOT ALL PLUMBING FIXTURES, ACCESSORIES AND PIPE SIZES ARE NECESSARILY SHOWN ON THIS DRAWING. REFER TO ALL OTHER SECTIONS, DETAILS, RISERS, PLANS AND SPECIFICATIONS FOR THIS PROJECT FOR COMPLETE SYSTEM REQUIREMENTS.			GC	GENERAL CONTRACTOR		
8.	ALL PENETRATIONS THROUGH FIRE/SMOKE RATED CONSTRUCTION WILL BE SEALED WITH A FIRE RATED CAULK EQUAL TO OR EXCEEDING THE CONSTRUCTION FIRE RATING.			GPM	GALLON PER MINUTE		
9.	COORDINATE FINAL LOCATION OF PLUMBING FIXTURES, PIPING, ACCESSORIES, ETC. WITH GENERAL CONTRACTOR BEFORE FABRICATION OR INSTALLATION.			NTS	NOT TO SCALE		
10.	COORDINATE ALL PENETRATIONS OF FLOORS, ROOF, WALLS, ETC. WITH GENERAL CONTRACTOR.			PC	PLUMBING CONTRACTOR		
				(TYP)	TYPICAL		
				VTR	VENT THRU ROOF		
				W	WITH		
				WG	WIRE GUARD		
				WP	WEATHER PROOF		
				<b>GENERAL MECHANICAL NOTES</b>			
				1.	PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE HVAC SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.		
				2.	ALL EQUIPMENT SHALL CLEAR DOORS AND WINDOWS.		
				3.	LOCATE ALL MECHANICAL EQUIPMENT FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS, FILTERS, CONTROLS, AND VALVING.		
				4.	RUNS OF FLEXIBLE EXHAUST DUCTWORK SHALL NOT EXCEED 10 FEET.		
				5.	CONTROL RELAYS SHALL BE WIRED BY THE ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND MOUNTING THE RELAY IN THE EQUIPMENT.		



PART 1 - GENERAL

I. DESCRIPTION OF THE WORK

A. THE EXTENT OF THE PLUMBING WORK IS INDICATED ON THE DRAWINGS.

II. CODES

A. ALL EQUIPMENT AND THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CURRENT EDITION OF THE INTERNATIONAL PLUMBING CODE, O.S.H.A. REQUIREMENTS, LIFE SAFETY CODE AND ALL APPLICABLE LOCAL AND STATE LAWS AND ORDINANCES.

B. THE CONTRACTORS SHALL PAY ALL INSPECTION FEES AND PURCHASE ALL PERMITS REQUIRED FOR THIS WORK.

III. LOCATION OF EQUIPMENT

A. THE CONTRACTOR SHALL NOTE THAT THE PLUMBING DRAWINGS ARE INTENDED TO INDICATE ONLY THE EXTENT DIAGRAMMATICALLY. GENERAL CHARACTER AND LOCATIONS OF THE WORK, WORK INTENDED, BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED, SHALL BE FURNISHED AND INSTALLED COMPLETE BY THIS CONTRACTOR AT HIS EXPENSE.

IV. ROUGH-IN

A. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH SHOP DRAWINGS, FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED PRIOR TO ROUGH-IN.

B. OBTAIN FROM OWNER AND GENERAL CONTRACTOR COPIES OF "EQUIPMENT BROCHURE" AND A SET OF SHOP DRAWINGS OF EQUIPMENT BEFORE ROUGHING IN ANY WATER, WASTE, CONNECTIONS, ETC. CHANGES RESULTING FROM FAILURE TO OBTAIN THIS INFORMATION WILL NOT RESULT IN ADDITIONAL COST.

V. WARRANTIES

A. GUARANTEE ALL PLUMBING SYSTEM MATERIALS AND WORKMANSHIP TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE AND PROPERLY CORRECT LATENT DEFECTS ARISING WITHIN THIS PERIOD UPON NOTIFICATION BY THE OWNER'S REPRESENTATIVE WITHOUT ADDITIONAL COMPENSATION.

VI. CHANGES

A. THE DRAWINGS INDICATE GENERALLY THE LOCATIONS OF PLUMBING FIXTURES, APPARATUS, PIPING, ETC., BUT IF, BEFORE INSTALLATION, IT IS FOUND NECESSARY TO CHANGE THE LOCATION OF SAME TO ACCOMMODATE THE CONDITIONS AT THE BUILDING, SUCH CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER AND AS DIRECTED BY THE OWNER.

VII. PLUMBING SUBMITTALS:

A. SUBMITTALS ARE REQUIRED ON THE FOLLOWING ITEMS AND THEY MAY BE SELECTED FROM ONE OF THE MANUFACTURERS LISTED OR APPROVED EQUAL:

1. PLUMBING FIXTURES

- a. AMERICAN STANDARD d. JUST g. SLOAN j. ELMUSTEE
b. KOHLER e. ELKAY h. OASIS k. SWANN
c. ZURN f. T&S BRASS i. BRADLEY l. CLARION

2. FLOOR DRAINS & SPECIALTIES

- a. ZURN d. WATTS
b. J.R. SMITH e. PRIER
c. GUY GRAY

VIII. AS BUILT DRAWINGS

A. FURNISH THE OWNER THREE (3) SETS OF AS-BUILT DRAWINGS UPON COMPLETION OF THE WORK.

PART 2 - PRODUCTS

I. PIPING

- A. INTERIOR BELOW GRADE SANITARY SHALL BE SCH. 40 PVC PIPE AND FITTINGS CONFORMING TO ASTM D 2665 WITH THE EXCEPTION OF KITCHEN FLOOR SINK...
B. INTERIOR ABOVE GRADE SANITARY AND STORM SYSTEMS MAY BE SCH. 40 PVC PIPE AND FITTINGS CONFORMING TO ASTM D 2665...
C. ALL WATER PIPING BELOW SLAB SHALL BE TYPE "L" SOFT COPPER WITH NO JOINTS UNDER SLAB...
D. INTERIOR HOT AND COLD WATER PIPE ABOVE CEILING SHALL BE TYPE "L" HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS...
E. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON FITTINGS...
F. COMPRESSED AIR PIPING SHALL BE SCHEDULE 40 ASTM A53 HOT DIP ZINC COATED STEEL PIPE WITH GALVANIZED MALLEABLE IRON FITTINGS...
G. EXPOSED PIPE IN RESTROOMS SHALL BE CHROME PLATED BRASS WITH CHROME PLATED WALL PLATES, AMERICAN BRASS CO. OR EQUIVALENT.

II. CLEANOUTS

A. FLOOR CLEANOUTS SHALL HAVE CAST IRON BODY, NICKEL BRONZE SCORRIATED TOP AND RUBBER GASKETED CONNECTION.

III. VALVES

A. INTERIOR: BALL VALVES SHALL BE 125 POUND, SCREWED, ALL BRONZE, TWO PIECE, FULL PORT DESIGN. NIBCO T-580 OR EQUIVALENT

IV. STOP VALVES

A. CHROME PLATED MACHINED FROM SOLID BRASS, 1/4 TURN BALL TYPE OPERATION, PTFE SEATS, COMPLIES WITH ASME A112.18.6. EQUAL TO BRASS CRAFT SERIES "KT".

V. WATER CONNECTORS

A. FIXTURES: ONE PIECE SUPPLY BRAIDED CONNECTOR EQUAL TO BRASS CRAFT "SPEEDI PLUMB PLUS". COMPLIES WITH ASME A112.18.6.

VI. P-TRAPS

- A. FLOOR DRAINS AND HUB DRAINS SHALL HAVE DEEP SEAL TRAPS NOT TO BE INTEGRAL WITH DRAINS.
B. SINKS AND LAVATORIES SHALL HAVE CHROME PLATED COPPER P-TRAPS 17 GA. MIN.

VII. ESCUTCHEON PLATES

A. CHROME PLATED ESCUTCHEON PLATES FOR ALL EXPOSED PIPE PASSING THROUGH WALLS, FLOORS OR CEILINGS.

VIII. PIPE INSULATION

A. INSULATE HOT AND COLD WATER PIPING WITH 1" THICK FLEXIBLE ELECTROMETRIC CELLULAR PIPE INSULATION. SELF SEALING JACKET. INSULATION SHALL HAVE 25/50 SMOKE AND FLAME SPREAD RATING.

PART 3 - EXECUTION

I. INSTALLATION OF PIPING

- A. ON VERTICAL SANITARY DRAIN LINES, CONNECT ALL SOIL AND WASTE INLETS THROUGH SANITARY TEES, WYES, OR WYES AND EIGHT BENDS...
B. MAKE SCREW JOINTS BETWEEN THREADED CONNECTIONS AND OTHER PIPES WATER-TIGHT WITH APPROVED COMPOUND.
C. PITCH HORIZONTAL DRAINS 1/8" PER FOOT MINIMUM, OR AS PER LOCAL CODE.
D. PROVIDE CLEANOUTS AT EVERY CHANGE IN DIRECTION OF MORE THAN FORTY-FIVE DEGREES AND EVERY HUNDRED FEET AS REQUIRED BY LOCAL CODES.
E. CUT BRASS AND COPPER PIPE BY MEANS OF A TUBING CUTTER...
F. ADEQUATELY SUPPORT ALL PIPING ABOVE FLOORS, INSIDE THE BUILDING FROM OR ON THE BUILDING STRUCTURE...

Table with 4 columns: COPER AND STEEL PIPE SIZE, MAXIMUM SPAN, PVC PIPE SIZE, MAXIMUM SPAN. Rows include 3/4" & UNDER, 1", 1-1/4", 1-1/2", 2".

G. REFER TO ARCHITECTURAL SPECIFICATIONS FOR TRENCHING AND BACKFILL REQUIREMENTS.

II. INSTALLATION OF VALVES

A. ISOLATE ALL MAJOR PIPING ASSEMBLIES AS SHOWN ON THE DRAWINGS AND AS REQUIRED FOR PROPER OPERATION AND MAINTENANCE. ALL VALVES SHALL BE ACCESSIBLE...

III. INSTALLATION OF TRAPS

- A. TRAP EACH FIXTURE BY WATER SEALING TRAP PLACED AS NEAR THE FIXTURE AS POSSIBLE.
B. VENT ALL TRAPS AS PER LOCAL PLUMBING CODE REQUIREMENTS.

IV. INSTALLATION OF PIPE SLEEVES

A. INSTALL PIPE SLEEVES AT ALL LOCATIONS WHERE PIPE PASSES THROUGH WALLS, FLOORS, OR CEILINGS.

V. INSTALLATION OF AIR CHAMBERS

A. INSTALL A WATER HAMMER ARRESTOR AT EACH FIXTURE, OR GROUP OF FIXTURES. WATER HAMMER ARRESTERS, SHALL BE ZURN SHOKTROL SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATION.

VI. INSTALLATION OF FIXTURE TRIM AND FITTINGS

- A. INSTALL THE FIXTURE TRIM AND FITTINGS SPECIFIED, TAKING CARE TO PROPERLY ANCHOR EACH FIXTURE.
B. WHEN THE USE OF A WRENCH IS NECESSARY ON CHROMIUM PLATED PIPING PROTECT THE PIPE FROM MARRING BY USE OF FELT OR CLOTH WRAPPING BENEATH WRENCH JAWS.

VII. INSTALLATION OF GAS PIPING

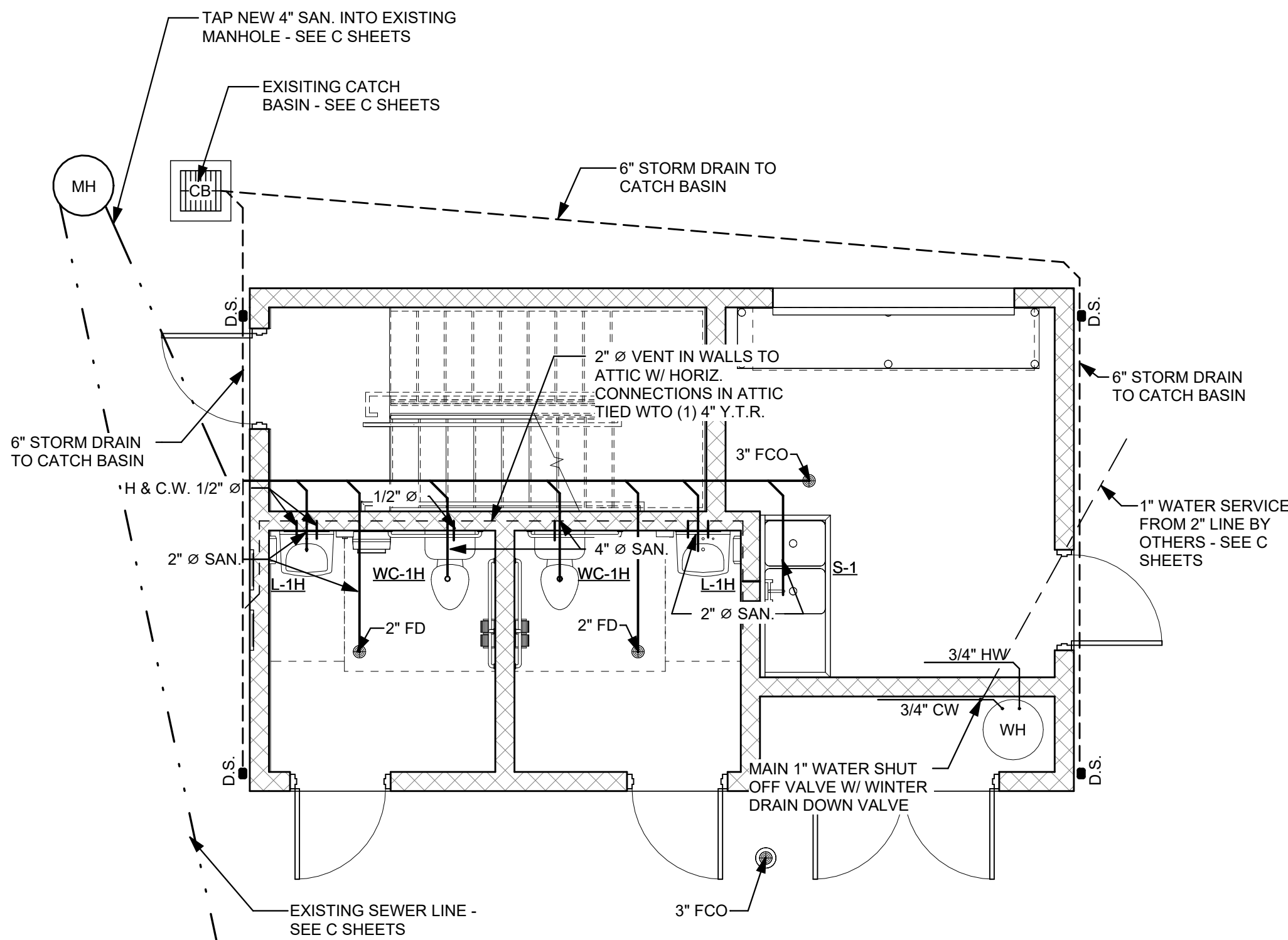
- A. INSTALL GAS PIPING IN ACCORDANCE WITH ALL APPLICABLE CODES. 2 1/2" AND LARGER SHALL BE WELDED, 2" AND SMALLER MAY BE THREADED.
B. PAINT EXPOSED GAS PIPING WITH ONE COAT PRIMER AND TWO COATS OF EPOXY PAINT MATCHING BUILDING.

VIII. INSTALLATION OF PIPE INSULATION

A. INSULATE ALL DOMESTIC HOT, COLD, AND HOT WATER RECIRC WATER PIPING.

VIII. TESTS AND INSPECTIONS

- A. MAKE ALL WATER TESTS OF THE PIPING SYSTEMS IN THE PRESENCE OF AND TO THE SATISFACTION OF THE OWNER OR HIS DESIGNATED REPRESENTATIVE...
B. TEST WATER PIPING TO HYDROSTATIC PRESSURE OF 150 PSI AND HOLD FOR 4 HOURS WITH LESS THAN 2 PSI LOSS IN PRESSURE.
C. AFTER THE INSTALLATION OF SANITARY PIPING AND BEFORE THE PIPE IS CONCEALED OR THE FIXTURES ARE INSTALLED...
D. PERFORM FINAL DRAINAGE AND VENT TEST BY FILLING ALL TRAPS WITH WATER AND INTRODUCING SYSTEM WITH SMOKE...
E. LABEL ALL VALVES IN EQUIPMENT ROOM AS TO SERVICE AND FUNCTION WITH BRASS TAGS...
F. THE STERILIZATION PROCESS SHALL COMPLY WITH ALL GOVERNING REGULATIONS AND WITH THE STERILIZATION PROCEDURES RECOMMENDED BY THE AMERICAN WATER WORKS ASSOCIATION...



1 FIRST FLOOR - PLUMBING PLAN

P1.01 1/4" = 1'-0"

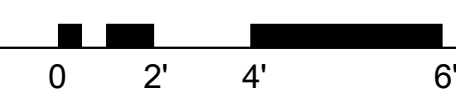


Table with 6 columns: MARK, DESCRIPTION, HW, CW, SAN, VENT, MOUNTING HEIGHT. Rows include WC-1H, L-1H, S-1.

THRASHER
600 WHITE OAKS BLVD.
P.O. BOX 940
BRIDGEPORT, WV 26330
P (304) 624-4108
F (304) 624-7831
www.thrashergrgroup.com

THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED.
COPYRIGHT © 2023
THE THRASHER GROUP, INC.

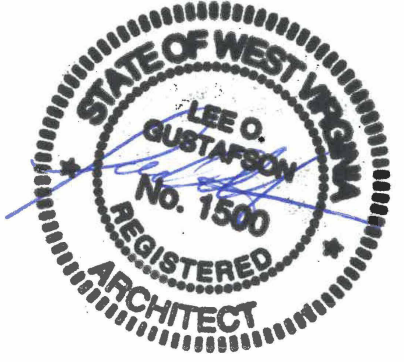


Table with 4 columns: LOG, DATE, BY, NO. Row 1: 6/6/2023, LOG, , 1.

DESIGN PLANS FOR
CITY PARK RENOVATIONS
CITY OF OAK HILL
OAK HILL, WEST VIRGINIA
JUNE 6, 2023
BID PLANS

DRAWN: CFT DATE: 6/6/23
CHECKED: LOG DATE: 6/6/23
PROJECT No. T30-11197

PLUMBING SPECIFICATIONS & DRAWINGS

P1.01



SECTION 15500 - HEATING, VENTILATION AND AIR CONDITIONING

GENERAL

1. DESCRIPTION OF THE WORK:

- A. THE CONTRACTOR SHALL FURNISH AND INSTALL EQUIPMENT AS INDICATED ON THE DRAWINGS. ITEMS NOT LISTED OR DETAILED, BUT REQUIRED FOR INSTALLATION OF A COMPLETE, FULLY FUNCTIONAL HEATING, AIR CONDITIONING AND VENTILATION SYSTEM SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
- B. THE EXTENT OF THE MECHANICAL WORK IS INDICATED ON THE DRAWINGS. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING FACTORY PROVIDED ACCESSORIES.
- C. THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, APPLICABLE REQUIREMENTS OF THE MANUFACTURERS OF THE EQUIPMENT AND LOCAL CODES REQUIREMENTS, AND IN ACCORDANCE WITH SMACNA STANDARDS AND THE CURRENT EDITIONS OF THE STATE BUILDING CODES, NFPA-90A, AND NFPA-101.

II. OPERATION MANUALS

- A. MAINTENANCE MANUALS AND INSTRUCTIONS: FURNISH THREE (3) SETS OF COMPLETE OPERATING INSTRUCTIONS COVERING ENTIRE HEATING, VENTILATING AND AIR CONDITIONING SYSTEM.

III. SYSTEM REQUIREMENTS

- A. NOISE AND VIBRATION: EQUIPMENT SHALL OPERATE QUIETLY AND THE DESIGN OF THE SUPPORTS SHALL BE SUCH THAT THE OPERATION OF THE EQUIPMENT SHALL CAUSE NO PERCEPTIBLE VIBRATION IN THE FLOORING ADJACENT TO THE EQUIPMENT, NOR CAUSE, DIRECTLY OR INDIRECTLY, VIBRATION OR OBJECTIONABLE NOISE IN ANY OTHER PORTION OF THE BUILDING AND/OR IN THE BUILDING STRUCTURE ITSELF.
- B. FLASHING: ALL FLASHING REQUIRED FOR PENETRATION OF ROOF SURFACES BY HVAC SYSTEM, VENTS, PIPE CURBS, ETC. SHALL BE INCLUDED UNDER THE GENERAL CONTRACTOR'S SCOPE OF WORK AND SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS OF THE ROOFING MANUFACTURER.
- C. FOUNDATIONS: FURNISH ALL FOUNDATIONS FOR EQUIPMENT COVERED IN THE SPECIFICATIONS, AS A PART OF THIS SECTION, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

IV. WARRANTY:

- A. FURNISH A FIVE (5) YEAR WARRANTY ON ALL COMPRESSORS, AND A ONE (1) YEAR SERVICE AND GUARANTEE ON ALL CONTROLS, COMPRESSORS, EQUIPMENT AND MATERIALS.

PART 2 - PRODUCTS

I. MANUFACTURERS

- A. MANUFACTURERS LISTED SHALL BE CONSIDERED AS ACCEPTABLE.

- 1. LOUVERS:
  - A. GREENHECK
  - B. RUSKIN
- 2. ELECTRIC HEATER:
  - A. QMARK
  - B. MARKEL
  - C. MARLEY
  - D. TRANE
  - E. STIEBEL EXTRON
- 3. EXHAUST FANS:
  - A. LOREN COOK COMPANY
  - B. GREENHECK
  - C. CARNES
  - D. PENN VENTILATION
  - E. BROAN
- 4. DUCTLESS SPLIT SYSTEMS:
  - A. MITSUBISHI OR APPROVED EQUAL

II. GRILLES, REGISTERS AND DIFFUSERS

- A. ALL SUPPLY DIFFUSERS, RETURN GRILLES, AND EXHAUST FANS SHALL BE AS SCHEDULED ON DRAWINGS, WITH OFF-WHITE BAKED ON ENAMEL FINISH.

PART 3 - EXECUTION

I. SUPERVISION OF ELECTRICAL WORK

- A. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR SUPERVISION OF ALL WIRING (INCLUDING CONTROL WIRING) OF EQUIPMENT INCLUDED IN THIS SECTION AND SHALL FURNISH ALL NECESSARY DIAGRAMS REQUIRED, INCLUDING CONTROL WIRING DIAGRAMS. THIS CONTRACTOR SHALL MOUNT OR SUPERVISE MOUNTING OF ALL CONTROL DEVICES.

II. PAINTING

- A. EXCEPT AS SPECIFIED HEREIN, ALL PAINTING WILL BE DONE BY OTHERS. LEAVE WORK FREE FROM RUST, DIRT, GREASE AND PLASTER.
- B. EQUIPMENT WITH A FACTORY APPLIED FINISH SHALL HAVE SCRATCHES, CHIPS, ETC. PRIMED AND TOUCHED UP WITH MATERIALS WHICH WILL PROTECT THE SURFACE AND MATCH THE ADJACENT AREAS.

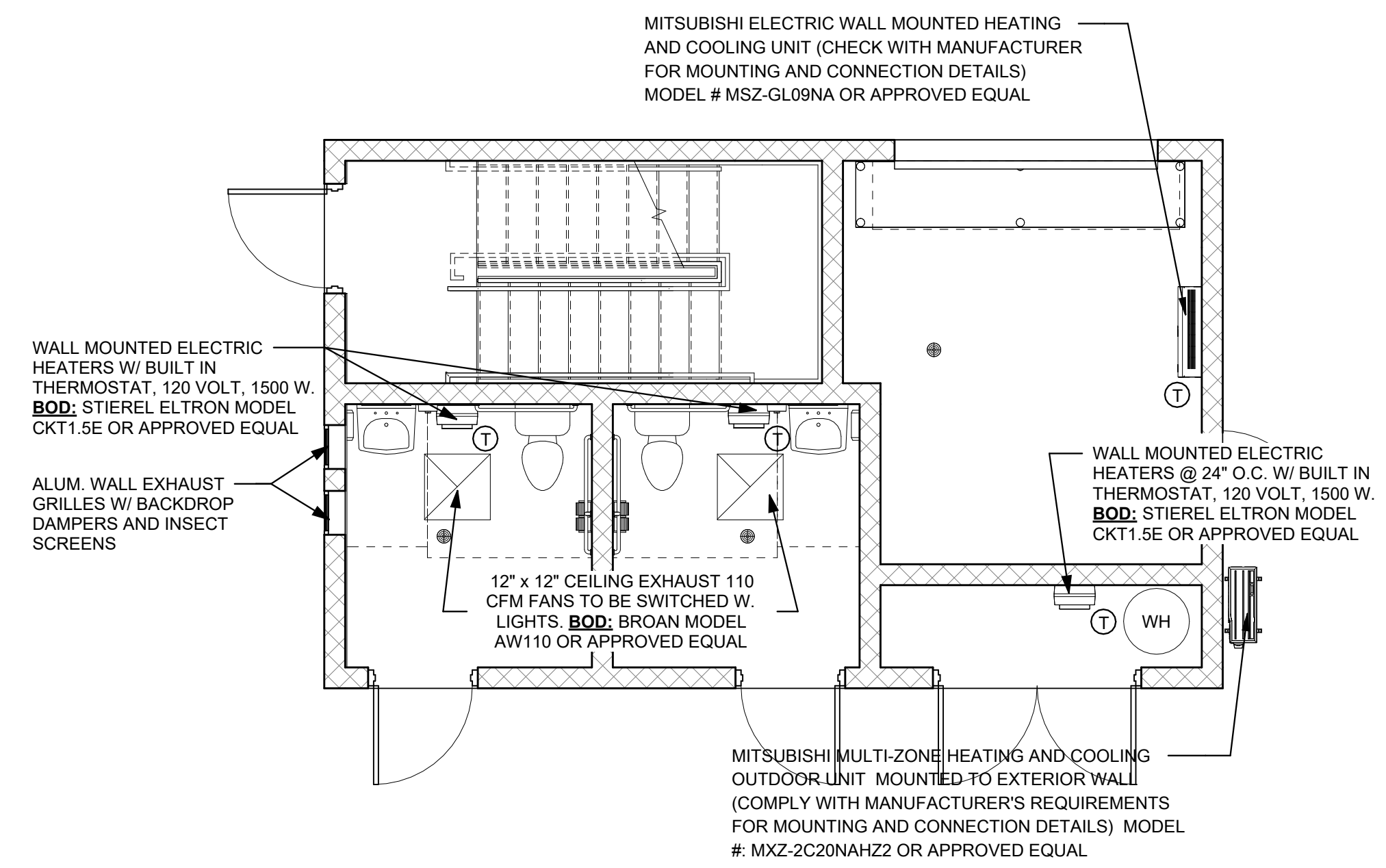
III. CLEANING AND ADJUSTMENTS

- A. UPON COMPLETION OF WORK, CLEAN, OIL AND GREASE ALL FANS, MOTORS, OTHER RUNNING EQUIPMENT AND APPARATUS AND MAKE CERTAIN THAT ALL SUCH APPARATUS AND MECHANISMS ARE IN PROPER WORKING ORDER AND MADE READY FOR TEST.

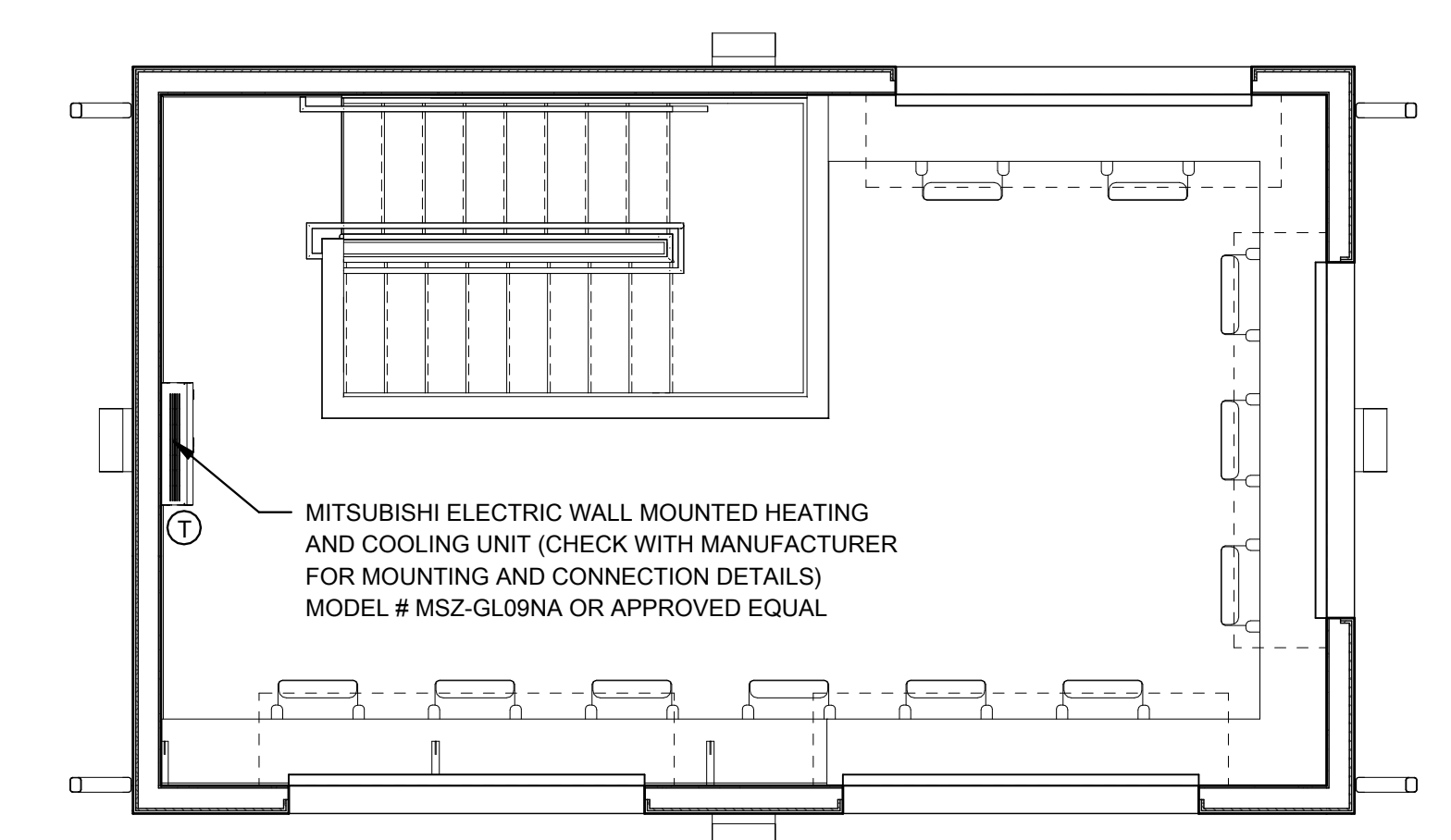
END OF SECTION 15500

DELEGATED MECHANICAL DESIGN REQUIREMENTS:

- 1. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND INSTALLATION OF MITSUBISHI OR APPROVED EQUAL SPLIT SYSTEMS WITH EXTERIOR WALL MOUNTED CONDENSER UNITS AND INTERIOR HIGH WALL MOUNTED AIR HANDLERS WITH HEAT AND COOLING SUFFICIENT FOR SUMMER HEAT AND COLL SPRING AND FALL WEATHER. COORDINATE LINE VOLTAGE POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR AND INSTALL LOW VOLTAGE CONTROL WIRING AND THERMOSTATIC CONTROLS AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.



1 FIRST FLOOR - MECHANICAL PLAN  
 M1.01 1/4" = 1'-0"



2 SECOND FLOOR - MECHANICAL PLAN  
 M1.01 1/4" = 1'-0"

THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE, OR IN PART FOR ANY REASON WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED.  
 COPYRIGHT © 2023  
 THE THRASHER GROUP, INC.



LOG	NO.	BY	DATE	DESCRIPTION
6/6/2023				ADDENDUM 1 - REVISED ARCHITECTURAL PLANS

**DESIGN PLANS FOR  
 CITY PARK RENOVATIONS**  
 CITY OF OAK HILL  
 OAK HILL, WEST VIRGINIA  
 JUNE 6, 2023  
 BID PLANS

DRAWN: CFT DATE: 6/6/23  
 CHECKED: LOG DATE: 6/6/23  
 PROJECT No. T30-11197

MECHANICAL SPECIFICATIONS & DRAWINGS

M1.01



SECTION 16000 - ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL

I. GENERAL

A. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT NECESSARY TO COMPLETELY INSTALL ELECTRICAL AND RELATED WORK INDICATED ON THE DRAWINGS AND IN THESE SPECIFICATIONS.

II. CODES

A. ALL EQUIPMENT, WIRING AND THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), O.S.H.A. REQUIREMENTS, LIFE SAFETY CODE AND ALL APPLICABLE LOCAL AND STATE LAWS AND ORDINANCES

B. THE OWNER SHALL PAY ALL INSPECTION FEES AND PURCHASE ALL PERMITS REQUIRED FOR THIS WORK

III. LOCATION OF EQUIPMENT

A. THE CONTRACTOR SHALL NOTE THAT THE ELECTRICAL DRAWINGS ARE INTENDED TO INDICATE ONLY THE EXTENT DIAGRAMMATICALLY, GENERAL CHARACTER AND LOCATION OF THE WORK. WORK INTENDED, BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED, SHALL BE FURNISHED AND INSTALLED COMPLETE BY THIS CONTRACTOR AT HIS EXPENSE.

IV. ROUGH-IN

A. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH SHOP DRAWINGS, FIELD MEASUREMENTS, AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED PRIOR TO ROUGH-IN

B. REFER TO EQUIPMENT SPECIFICATIONS IN DIVISIONS 2 THROUGH 15 FOR ROUGH-IN REQUIREMENTS.

V. INSTALLATION

A. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN A NEAT AND FIRST CLASS MANNER, LEVEL AND PLUMB, AND SECURELY SUPPORTED.

B. COORDINATE CONNECTION OF ELECTRICAL SYSTEMS WITH UTILITIES AS INDICATED ON THE DRAWINGS.

C. THE USE OF MC CABLE SHALL BE PERMITTED ABOVE CEILING AND FOR CONNECTIONS TO INTERIOR EQUIPMENT AND LIGHTING.

D. ALL OUTLET BOXES SHALL BE SURFACED MOUNTED WITH RIGID CONDUIT TO ABOVE ACCESSIBLE CEILINGS.

VI. AS-BUILT DRAWINGS

A. FURNISH THE OWNER WITH 1 SET OF AS-BUILT DRAWINGS UPON COMPLETION OF THE WORK.

VII. IDENTIFICATION NAMEPLATES

A. FURNISH AND INSTALL NAMEPLATES ON ALL ITEMS OF ELECTRICAL EQUIPMENT. NAMEPLATES SHALL BE MADE FROM WHITE ENGRAVING STOCK WITH BLACK LETTERS AND BLACK FOUR EDGE BEVEL. WORDING SHALL SUITABLY DESCRIBE ITEMS AND NAMEPLATES SHALL BE ATTACHED USING PROPER SIZE AND TYPE STAINLESS STEEL BOLTS. GLUE ON, TAPE ON OR TAPE TYPE NAMEPLATES ARE NOT ACCEPTABLE.

VIII. WARRANTIES

A. GUARANTEE ALL ELECTRICAL SYSTEM MATERIALS AND WORKMANSHIP TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE AND PROPERLY CORRECT LATENT DEFECTS ARISING WITHIN THIS PERIOD.

X. TEST AND ADJUSTMENT

A. FURNISH ALL LABOR, INSTRUMENTS, AND OTHER SERVICES REQUIRED FOR COMPLETE AND SATISFACTORY TEST AND ADJUSTMENT OF ELECTRICAL SYSTEMS AND RELATED WORK FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

- CHECK ALL MOTORS AND ROTATING EQUIPMENT FOR PROPER ROTATION.
- CHECK ALL FUSES AND OVERLOADS FOR PROPER SIZING.
- CHECK ALL ELECTRICAL POWER AND CONTROL WIRING, INTERLOCKS, ETC., RELATED TO MECHANICAL INSTALLATIONS TO DETERMINE THAT ALL WIRING IS CORRECT.
- ALL EQUIPMENT FURNISHED BY THIS CONTRACTOR WHICH TEST PROVE TO BE DEFECTIVE OR OPERATING IMPROPERLY SHALL BE REMEDIATED BY THIS CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

PART 2 - PRODUCTS

I. RACEWAYS

A. EXTENT OF RACEWAY WORK IS INDICATED DIAGRAMMATICALLY ON THE DRAWINGS AND IN THE SCHEDULES.

1. WHEN SIZE IS NOT INDICATED ON PLANS, CONDUIT SHALL BE SIZED FOR CONDUCTORS IN ACCORDANCE WITH THE N.E.C.

2. THE ROUTING AND METHOD OF INSTALLATION OF ALL CONDUITS SHALL BE COORDINATED SO AS NOT TO INTERFERE WITH OTHER EQUIPMENT INSTALLATIONS AND SHALL MEET WITH THE COMPLETE SATISFACTION OF OWNER'S REPRESENTATIVE.

3. USE ONLY THE TYPES OF RACEWAYS SPECIFIED HEREIN.

B. TYPES OF RACEWAYS SPECIFIED IN THIS SECTION INCLUDE THE FOLLOWING:

- FLEXIBLE METAL CONDUIT, MINIMUM TRADE SIZE 3/4"
- LIQUID-TIGHT FLEXIBLE METAL CONDUIT (SEALTIGHT) MINIMUM TRADE SIZE 3/4"
- RIGID METAL CONDUIT, MINIMUM TRADE SIZE 3/4"
- RIGID NONMETALLIC CONDUIT (PVC), SCHEDULE 40, MINIMUM TRADE SIZE 3/4"

C. FITTINGS

- FITTINGS FOR EMT SHALL BE STEEL SET SCREW OR COMPRESSION TYPE WITH FACTORY INSTALLED INSULATED THROAT CONNECTORS, DIE CAST OR POT METAL FITTINGS ARE NOT ACCEPTABLE.
- FITTINGS FOR FLEXIBLE CONDUIT SHALL BE STEEL OR CAST IRON.
- FITTINGS FOR RIGID CONDUIT SHALL BE STEEL THREADED TYPE.
- FITTINGS FOR PVC SHALL BE SCHEDULE 40 GLUE-ON TYPE.

II. INSTALLATION OF RACEWAYS

A. A SEPARATE GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL BRANCH CIRCUITS AND FEEDERS. THE CONDUCTOR SHALL BE SIZED AS INDICATED IN THE N.E.C. ALL GROUNDING CONDUCTORS SHALL HAVE A GREEN OUTER COVERING, OR GREEN MARKING TAPE OVER THEIR ENTIRE EXPOSED LENGTHS.

B. MECHANICALLY FASTEN TOGETHER METAL CONDUITS, ENCLOSURES, AND RACEWAYS FOR CONDUCTORS TO FORM A CONTINUOUS ELECTRICAL CONDUCTOR. CONNECT TO ELECTRICAL BOXES, FITTINGS AND CABINETS TO PROVIDE ELECTRICAL CONTINUITY AND FIRM MECHANICAL ASSEMBLY.

C. AVOID USE OF DISSIMILAR METALS THROUGH SYSTEM TO ELIMINATE POSSIBILITY OF ELECTROLYSIS.

D. PROVIDE NYLON PULL CORD IN ALL EMPTY CONDUITS.

E. CONDUIT INSTALLATION

- USE RIGID METAL CONDUIT FOR ALL WEATHER EXPOSED WORK, FOR ALL SUB-UPS, FOR ALL ROOF PENETRATIONS THROUGH PATE PLUGS.
- USE RIGID METAL CONDUIT FOR ALL EXPOSED WORK.
- USE PVC FOR ALL UNDERGROUND WORK OR WORK INSTALLED IN CONCRETE.
- USE FLEXIBLE METAL CONDUIT FROM OUTLET BOXES TO RECESSED LIGHTING FIXTURE AND FINAL 24" OF CONNECTION TO ITEMS SUBJECT TO MOVEMENT OR VIBRATION.
- USE LIQUID-TIGHT FLEXIBLE CONDUIT FOR FINAL 24" CONNECTION TO ITEMS WHERE SUBJECT TO ONE OR MORE OF THE FOLLOWING CONDITIONS:
  - EXTERIOR LOCATION
  - MOIST OR HUMID ATMOSPHERE WHERE CONDENSATE CAN BE EXPECTED TO ACCUMULATE.
  - CORROSIVE ATMOSPHERE.
  - SUBJECTED TO WATER SPRAY OR DRIPPING OIL, WATER OR GREASE.
  - FINAL CONNECTION TO ROTATING OR VIBRATING EQUIPMENT.
- CUT CONDUITS STRAIGHT, PROPERLY REAM AND CUT THREADS FOR HEAVY WALL CONDUIT DEEP AND CLEAN.
- FIELD BEND CONDUIT WITH BENDERS DESIGNED FOR THE PURPOSE SO AS NOT TO DISTORT NOR VARY INTERNAL DIAMETER.

III. CONDUCTORS

A. ALL WIRE SHALL BE COPPER WITH THWN INSULATION.

B. ALL WIRING SHALL BE IN CONDUIT, EXCEPT IN CONCEALED LOCATIONS WHERE MC CABLE IS PERMITTED.

C. MC CABLE SHALL BE PERMITTED AS FOLLOWS:

- USED IN CONCEALED LOCATIONS (ABOVE CEILINGS, IN BLOCK WALLS, ETC).
- USED IN INTERIOR SPACES ONLY.
- INSTALLED PER N.E.C. REQUIREMENTS.
- LIGHTING WHIPS.
- INTERIOR EQUIPMENT CONNECTIONS.
- MC CABLES MUST HAVE GROUND WIRE.

D. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS:

- 120/208V SYSTEMS
  - PHASE A - BLACK
  - PHASE B - RED
  - PHASE C - BLUE
  - NEUTRAL - WHITE
  - GROUND - GREEN
- 120/208V SYSTEMS
  - PHASE A - BROWN
  - PHASE B - ORANGE
  - PHASE C - YELLOW
  - NEUTRAL - WHITE
  - GROUND - GREEN

IV. WIRE CONNECTIONS

A. ALL BRANCH WIRING CONNECTIONS SHALL BE 3M SCOTCH LOCK CONNECTORS OR ACCEPTABLE EQUIVALENT.

B. WHERE CABLE CONNECTIONS REQUIRE INSULATION, SCOTCH #33, ELECTRICAL TAPE SHALL BE USED FOR WRAPPING.

V. BOXES AND FITTINGS

A. EXTENT OF ELECTRICAL BOX AND ASSOCIATED FITTING WORK IS INDICATED BY DRAWINGS AND SCHEDULES.

B. OUTLET BOXES

- CEILING: 4" SQUARE, 2-1/8" DEEP FOR EXPOSED OR FURRED WORK.
- MASONRY: PROVIDE FS OR FD BOXES WITH COVERS.
- EXPOSED: PROVIDE FS OR FD BOXES WITH SUITABLE WEATHERPROOF COVERS.

C. JUNCTION AND PULL BOXES

1. PROVIDE BOXES WHERE REQUIRED TO FACILITATE THE PULLING OF WIRES OR CABLES.

D. ACCESSORIES

1. PROVIDE CORROSION-RESISTANT KNOCKOUT CLOSURES, CONDUIT LOCKNUTS AND MALLEABLE IRON CONDUIT BUSHINGS, OFFSET CONNECTORS, OF TYPES AND SIZES TO SUIT RESPECTIVE INSTALLATION REQUIREMENTS AND APPLICATIONS.

E. INSTALLATION OF BOXES AND FITTINGS

1. FASTEN ELECTRICAL BOXES FIRMLY AND RIGIDLY TO SUBSTRATES OR STRUCTURAL SURFACES TO WHICH ATTACHED OR SOLIDLY EMBED ELECTRICAL BOXES IN CONCRETE OR MASONRY.

F. LOCATION OF OUTLETS

- IN GENERAL THE VARIOUS OUTLETS ARE TO BE LOCATED AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR TO THE CENTER LINE OF BOX, UNLESS NOTED OTHERWISE AT AN INDIVIDUAL OUTLET ON THE DRAWINGS:
  - WALL SWITCHES (VERT. MTD.) 48"
  - RECEPTACLES (VERT. MTD.) 18" U.N.O.
  - PHONE OUTLETS (VERT. MTD.) 18" U.N.O.
  - OUTLETS ABOVE COUNTERS (HORZ. MTD.) 6" ABOVE BACK-SPLASH
- OUTLET MOUNTING HEIGHTS INDICATED ON THE DRAWINGS AT OUTLETS TAKE PRECEDENCE. REFER TO DRAWINGS FOR DETAILS OF OTHER EQUIPMENT MOUNTING HEIGHTS. MOUNTING HEIGHTS FOR FLUSH OUTLETS IN BLOCK WALLS MAY BE CHANGED FOR INSTALLATION. CONSULT OWNER'S REPRESENTATIVE IN FIELD PRIOR TO ANY SUCH INSTALLATION.

VI. CONNECTIONS FOR EQUIPMENT

A. GENERAL: FOR EACH ELECTRICAL CONNECTION INDICATED PROVIDE COMPLETE ASSEMBLY OF MATERIALS, INCLUDING BUT NOT NECESSARILY LIMITED TO, PRESSURE CONNECTORS, TERMINALS (LUGS), ELECTRICAL INSULATING TAPE, HEAT-SHRINKABLE INSULATING TUBING, CABLE TIES, SOLDERLESS WIRE-NUTS, AND OTHER ITEMS AND ACCESSORIES AS NEEDED TO COMPLETE SPLICES AND TERMINATIONS OF TYPES INDICATED.

VII. WIRING DEVICES

A. THE EXTENT OF WIRING DEVICE WORK IS INDICATED BY THE DRAWINGS AND SCHEDULES.

B. PROVIDE WIRING DEVICES WHICH ARE U.L. LISTED AND LABELED.

C. ACCEPTABLE MANUFACTURERS.

- HARVEY HUBBELL CO.
- GENERAL ELECTRIC CO.
- LEVITON MFG. CO.

D. FABRICATED WIRING DEVICES

- SWITCHES SHALL BE 20 AMP, 120/277 VOLT RATED, HUBBELL #1221.
- RECEPTACLES SHALL BE 20 AMP 125 VOLT RATED HUBBELL #5362. FOR OTHER APPLICATIONS REFER TO THE DRAWINGS.
- PROVIDE SMOOTH FINISH PLATES FOR ALL DEVICES WITH APPROPRIATE MOUNTING ARRANGEMENTS FOR GAUGED DEVICES

VIII. MOTOR DISCONNECTS

A. DISCONNECT SWITCHES

- GENERAL DUTY SWITCHES: PROVIDE SURFACE MOUNTED SHEET STEEL ENCLOSED SWITCHES OF TYPES, SIZES AND WITH ELECTRICAL CHARACTERISTICS INDICATED, INCORPORATING QUICK-MAKE QUICK-BREAK TYPE SWITCHES.
- SWITCH BLADE SHALL BE VISIBLE IN "OFF" POSITION WITH THE DOOR OPEN. EQUIPMENT WITH OPERATING HANDLE WHICH IS INTEGRAL PART OF ENCLOSURE BASE AND WHOSE OPERATING POSITION IS CLEARLY INDICATED.
- CONSTRUCT CURRENT CARRYING PARTS OF HIGH-CONDUCTIVITY COPPER AND SILVER-TUNGSTEN TYPE SWITCH CONTACTS. PROVIDE NEMA TYPE 3R ONLY.

IX. PANELBOARDS

A. DESCRIPTION OF WORK

1. TYPES OF PANELBOARDS FOR THIS PROJECT ARE AS FOLLOWS:

- 120/208V - 1 PHASE 3W - SN; SQUARE D "NQOD"

B. ACCEPTABLE MANUFACTURERS

- SQUARE D COMPANY
- SIEMENS
- CUTLER-HAMMER
- GENERAL ELECTRIC

C. PANELBOARDS:

- PROVIDE DEAD-FRONT SAFETY CONSTRUCTED FACTORY-ASSEMBLED CIRCUIT BREAKER TYPE PANELBOARDS IN SIZES AND RATINGS AS INDICATED.
- PANELBOARD ENCLOSURE: MINIMUM DEPTH OF 5-3/4" AND MINIMUM WIDTH OF 20" FOR "NQOD" PANELS.
- BUSS SHALL BE ALUMINUM.

XI. LIGHTING FIXTURES

A. HANDLE LIGHTING FIXTURES CAREFULLY TO PREVENT DAMAGE, BREAKING AND SCORING. DO NOT INSTALL DAMAGED FIXTURES OR COMPONENTS, REPLACE WITH NEW.

B. STORE LIGHTING FIXTURES IN A CLEAN DRY PLACE. PROTECT FROM WEATHER, DIRT, FUMES, WATER, CONSTRUCTION DEBRIS AND PHYSICAL DAMAGE.

C. SHIP FIXTURES FACTORY ASSEMBLED, WITH PARTS REQUIRED FOR A COMPLETE INSTALLATION.

D. FLUORESCENT BALLAST SHALL BE ELECTRONIC.

E. PROVIDE HID LAMP BALLAST CAPABLE OF OPERATING LAMP TYPES WITH RATINGS INDICATED, REACTOR TYPE, HIGH POWER FACTOR CORE AND COIL ASSEMBLY ENCAPSULATED IN NON-MELT RESIN. INSTALL CAPACITOR OUTSIDE BALLAST ENCAPSULATION FOR EASY FIELD REPLACEMENT.

F. PROVIDE FLUORESCENT LAMPS OF TYPES INDICATED.

G. PROVIDE HID LAMPS IN WATTAGES AND TYPES INDICATED.

H. PROVIDE FIXTURES AND/OR FIXTURE OUTLET BOXES WITH HANGERS TO PROPERLY SUPPORT FIXTURE WEIGHT.

I. INSTALL FLUSH MOUNTED FIXTURES TO ELIMINATE LIGHT LEAKAGE BETWEEN FRAME AND FINISHED SURFACE.

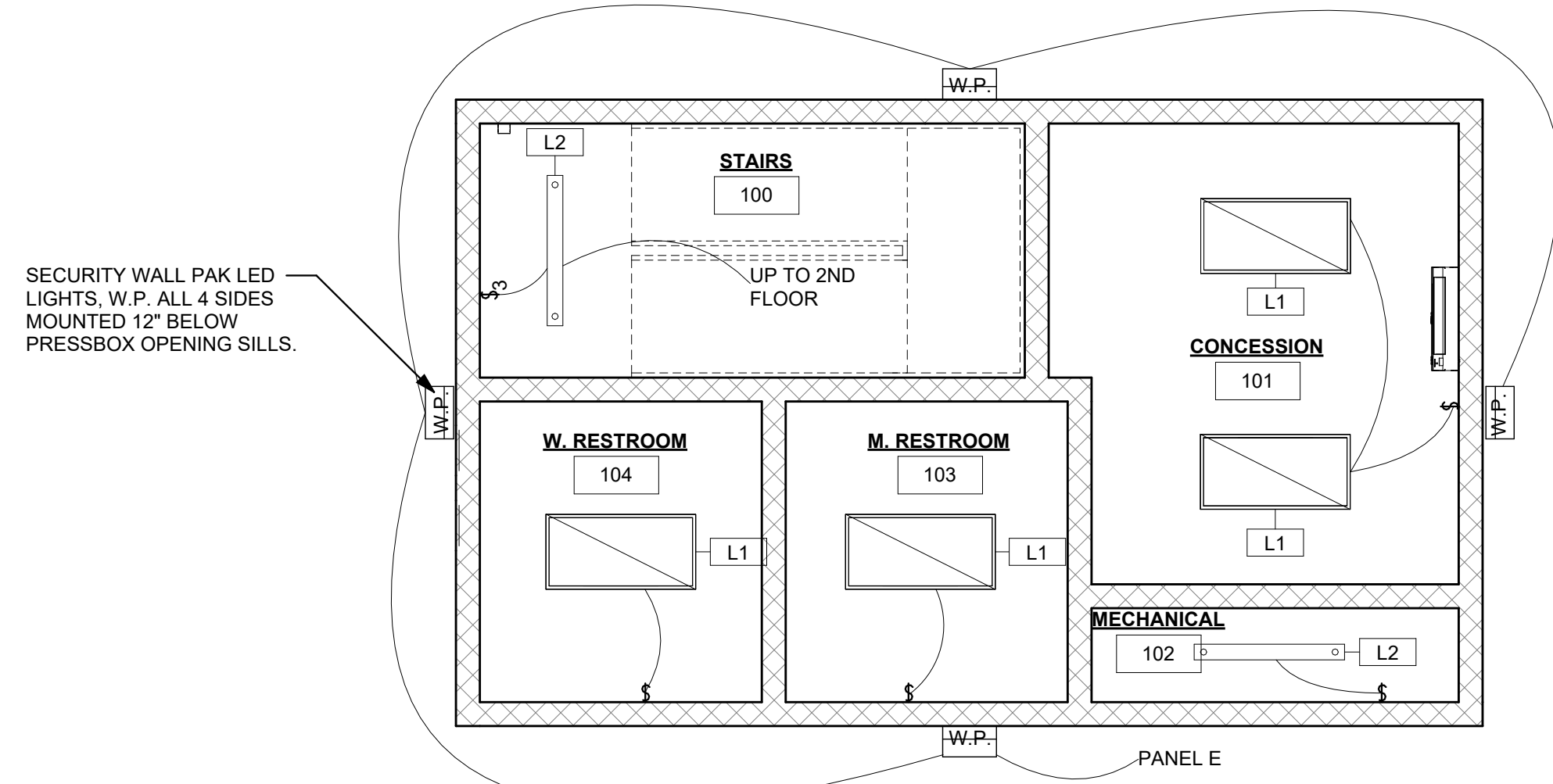
END OF SECTION 16000



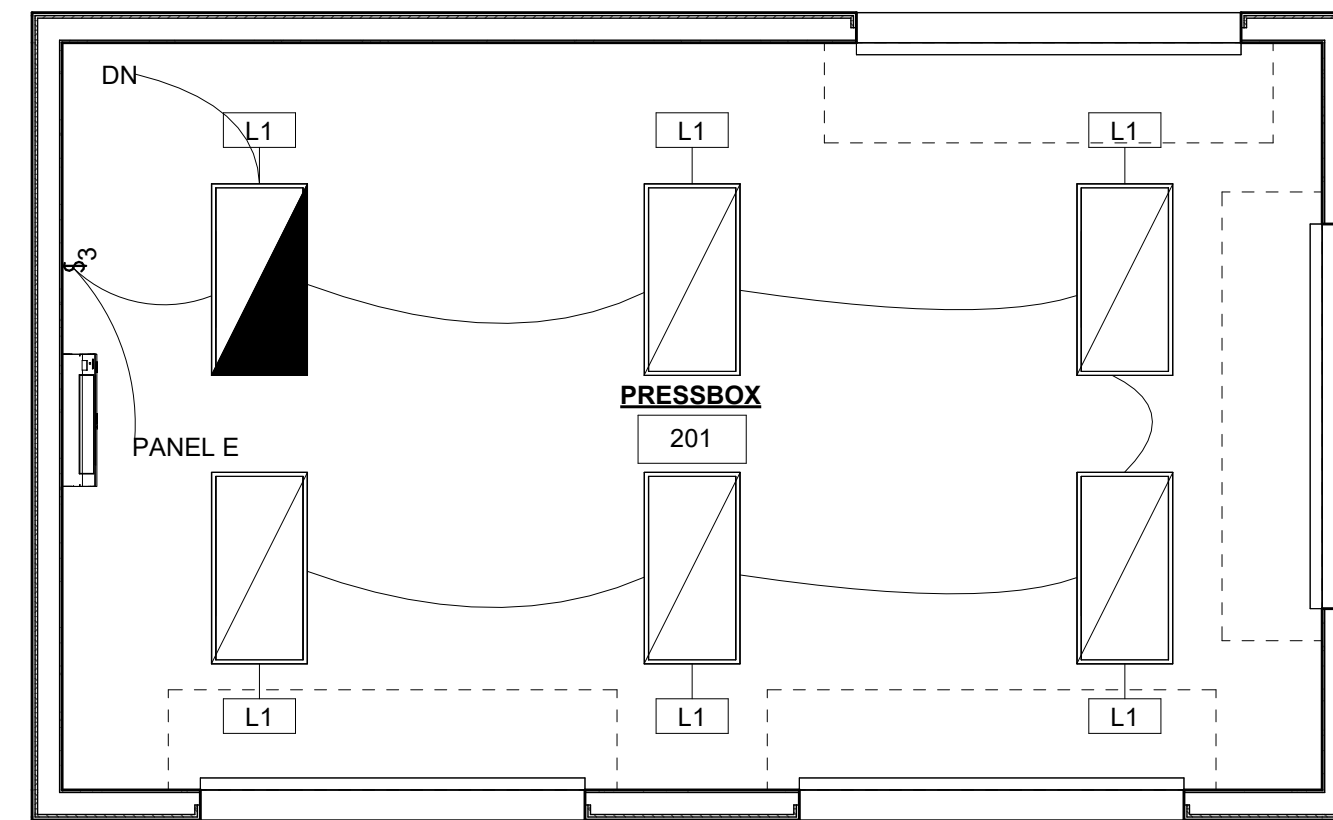
LOG	NO.	BY	DATE	DESCRIPTION
1				

DESIGN PLANS FOR  
CITY PARK RENOVATIONS  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS





1 FIRST FLOOR - LIGHTING PLAN  
1/4" = 1'-0"

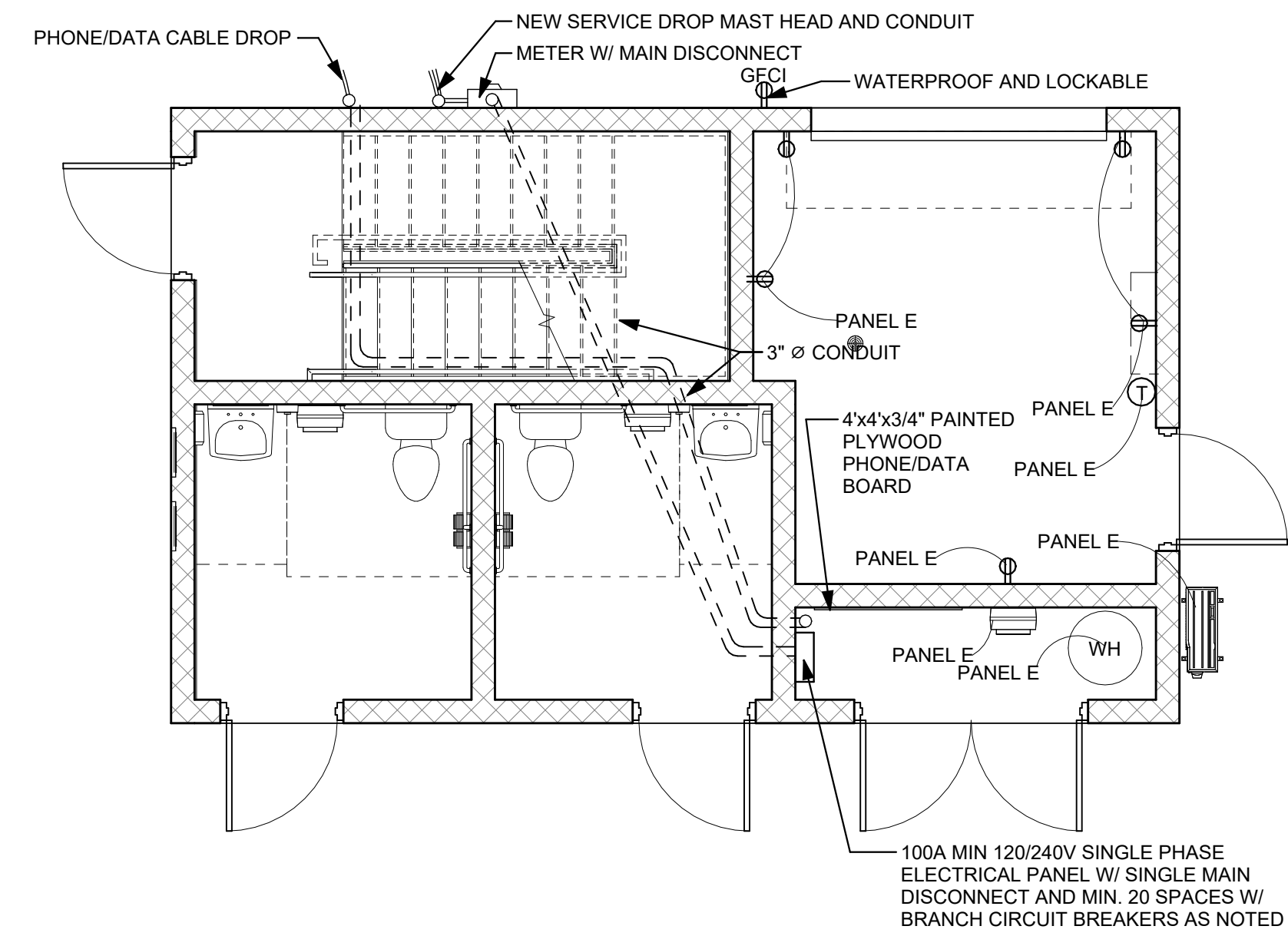


2 SECOND FLOOR - LIGHTING PLAN  
1/4" = 1'-0"

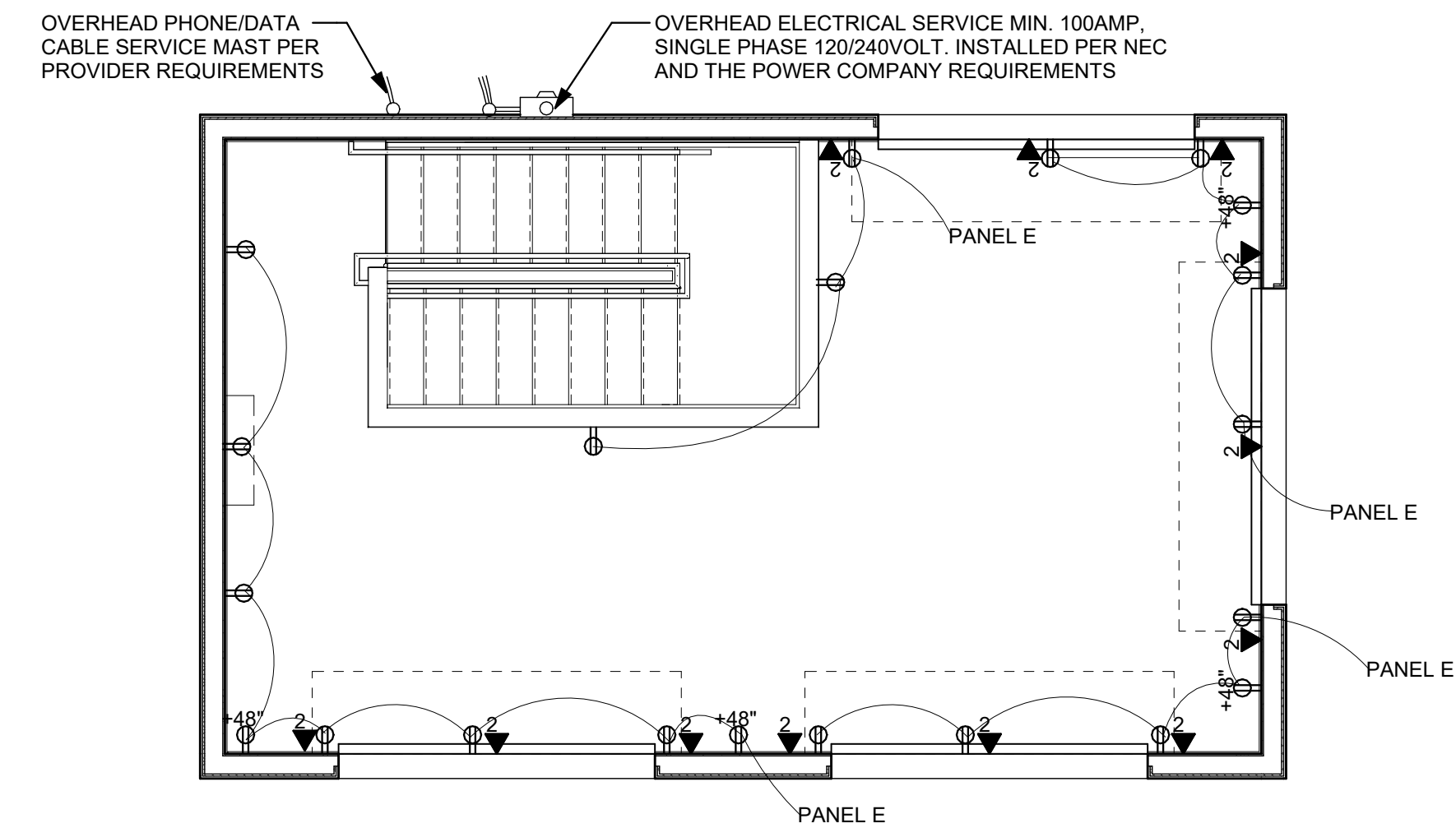
LIGHTING FIXTURE SCHEDULE				
MARK	LAMP	MANUFACTURER	MODEL	DESCRIPTION
L1	LED	LITHONIA	CPX2X4AL0880CRISWW7SWLMVOLT	CPX 2x4 LED PANEL6000LM 80CRI 4000K SATIN WHITE LENS
L2	LED	LITHONIA	ZL1FL483000LMMDDMVOLT30K80CRIWH	ZL1F LED STRIP LIGHTING

**LIGHT FIXTURE SCHEDULE NOTES:**

1. VERIFY CEILING CONSTRUCTION TYPE WITH ARCHITECTURAL DRAWINGS TO DETERMINE WHETHER RECESSED LIGHTING FIXTURES SHALL BE FLANGE OR GRID TYPE MOUNTING.
2. DIRECTIONAL INDICATOR ON EXIT SIGNS SHALL COMPLY WITH NFPA 101 SECTION 5-10.4.1.2.
3. VERIFY VOLTAGE TO OPERATE FIXTURE WITH ELECTRICAL DRAWINGS.
4. LIGHT FIXTURES SHALL COME COMPLETE WITH NECESSARY MOUNTING HARDWARE.
5. ALL RECESSED LIGHT FIXTURES SHALL BE PAINTED AFTER FABRICATION.
6. ANY REQUEST FOR SUBSTITUTION TO THE LIGHTING FIXTURE SCHEDULE SHALL BE OF EQUAL OR HIGHER QUALITY AS DETERMINED BY THE ENGINEER. ANY PERSON REQUESTING TO SUBSTITUTE FIXTURES MUST SUBMIT IN BOUND FORM A COLLECTION OF THE MANUFACTURER'S CUT SHEETS TO BE REVIEWED BY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO BID. ACCEPTED SUBSTITUTIONS SHALL BE REFLECTED IN AN ADDENDUM.
7. SUPPLY HANGING BAR KITS WITH ALL RECESSED DOWN LIGHTS.
8. EMERGENCY BATTERY PACK FOR LIGHT FIXTURES SHALL BE RATED TO SUPPLY A MINIMUM OF 600 INITIAL LUMENS.



3 FIRST FLOOR - ELECTRICAL PLAN  
1/4" = 1'-0"



4 SECOND FLOOR - ELECTRICAL PLAN  
1/4" = 1'-0"

**DELEGATED ELECTRICAL DESIGN REQUIREMENTS:**

1. ALL ELECTRICAL WORK SHALL BE INSTALLED BY A WV LICENSED ELECTRICAL CONTRACTOR WHO SHALL BE RESPONSIBLE FOR COORDINATING THE NEW OVERHEAD SERVICE DROP TO THE PRESS BOX IN COMPLIANCE WITH THE POWER COMPANY REGULATIONS FOR THE INSTALLATION, METERING, GROUNDING, DISCONNECTS, SAFETY CLEARANCES, AND ALL ACCESSORIES REQUIRED FOR THE NEW SERVICE DROP INCLUDING POWER COMPANY FEE AND ALL PERTINENT NEC REQUIREMENTS.
2. IT IS ASSUMED THAT THE DROP WILL BE IN NEW CONDUIT TO THE NEW METER AND MAIN DISCONNECT AND THEN FEED IN UNDER FLOOR CONDUIT TO A NEW DISTRIBUTION PANEL IN THE MECHANICAL ROOM WITH BRANCH CIRCUIT BREAKERS AS REQUIRED FOR THE HEATING/COOLING UNITS, HOT WATER HEATER, LIGHTING, AND GENERAL PURPOSE OUTLETS. ANY EXPOSED WIRING IS TO BE IN CONDUITS. CONCEALED WIRING IS TO MEET CODE REQUIREMENTS.
3. PHONE/DATA RECEPTACLES WILL REQUIRE CONDUIT FROM THE EMPTY WALL BOXES TO THE CEILING SPACE W/ PULL STRINGS FOR WIRING BY OTHERS, AND BLANK COVER PLATES.



LOG	NO.	BY	DATE	DESCRIPTION
1				

**DESIGN PLANS FOR  
CITY PARK RENOVATIONS**  
CITY OF OAK HILL  
OAK HILL, WEST VIRGINIA  
JUNE 6, 2023  
BID PLANS

DRAWN: CFT DATE: 6/6/23  
CHECKED: LOG DATE: 6/6/23  
PROJECT No. T30-11197

LIGHTING & ELECTRICAL DRAWINGS