

Author

12/2/2024 3:06:43 PM

CAD FILE: Autodesk Docs://West Liberty Softball Clubhouse/T60-11177 - WLU Softball Clubhouse - Pole Building 08/16/2024.rvt



BIDDING DOCUMENTS

SOFTBALL CLUBHOUSE

208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074

DECEMBER 2, 2024



NOTE: The 3D rendering is for reference and illustrative purposes only. Construction should be based solely on the detailed drawings and specifications provided. Any discrepancies between the rendering and the construction documents should be resolved in favor of the detailed drawings. Ensure all work complies with the specifications and details provided, not the rendering.

SHEET LIST	
SHEET #	SHEET NAME
G1.00	COVER SHEET
C1.00	GENERAL NOTES
C2.00	EXISTING CONDITIONS
C2.01	DEMO PLAN
C2.02	SITE PLAN
C2.03	UTILITY PLAN
C3.00	CIVIL DETAILS
C3.01	CIVIL DETAILS
A0.01	LIFE SAFETY PLAN
A0.02	GENERAL INFORMATION
A0.03	ACCESSIBILITY REQUIREMENTS
A1.01	FLOOR PLAN - CLUBHOUSE
A1.02	FLOOR PLAN - BATTING CAGE SHELTER
A1.03	RCP - CLUBHOUSE
A1.04	RCP - BATTING CAGE SHELTER
A1.05	ROOF PLAN - CLUBHOUSE
A1.06	ROOF PLAN - BATTING CAGE SHELTER
A2.01	BUILDING ELEVATIONS - CLUBHOUSE
A2.02	BUILDING ELEVATIONS - BATTING CAGE SHELTER
A2.03	BUILDING ELEVATIONS - BATTING CAGE SHELTER
A3.01	BUILDING SECTIONS - CLUBHOUSE
A3.02	BUILDING SECTIONS - BATTING CAGE SHELTER
A3.03	WALL SECTIONS - CLUBHOUSE
A3.04	WALL SECTIONS - BATTING CAGE SHELTER
A4.01	ENLARGED PLAN VIEWS & INT. ELEVATIONS
A5.01	DOOR DETAILS
A5.02	ROOF TO WALL AND FOUNDATION DETAILS
A6.01	SCHEDULES & DIAGRAMS
A8.01	SIGNAGE
MEP	LEGENDS AND NOTES
P1.01	DRAINAGE AND VENT PLAN
P2.01	PIPING PLAN
M1.01	HVAC PLAN
E1.01	LIGHTING PLAN
E2.01	POWER PLAN

PROJECT INFORMATION

PROJECT NUMBER T60-11177

VICINITY MAP



PROJECT DATA

IBC CONSTRUCTION TYPE: V-B
IBC OCCUPANCY TYPE: A-3
NFPA CONSTRUCTION TYPE: V(000)
NFPA OCCUPANCY GROUP: ASSEMBLY
FULLY SPRINKLED: NO

TOTAL OCCUPANCY AREA: 1,524 S.F.

GENERAL CODE COMPLIANCES

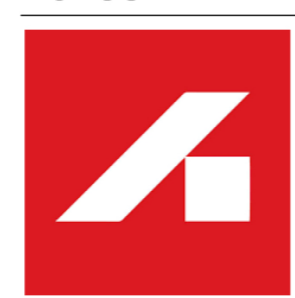
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2021 NFPA 101 - LIFE SAFETY CODE
2020 NFPA 70 - NATIONAL ELECTRIC CODE
2017 ICC A117.1 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
ASHRAE 90.1-2013 ENERGY STANDARD FOR BUILDINGS
WV STATE FIRE CODE - ADOPTED MAY. 1, 2024
WV STATE BUILDING CODE - ADOPTED AUG 1, 2022

OWNER INFORMATION



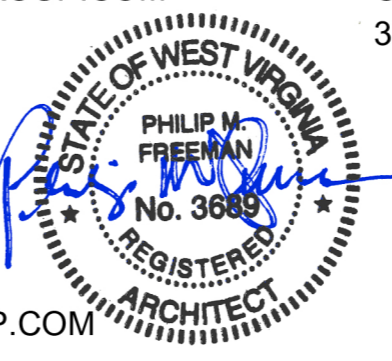
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE
WEST LIBERTY, WV 26074
304.336.5000

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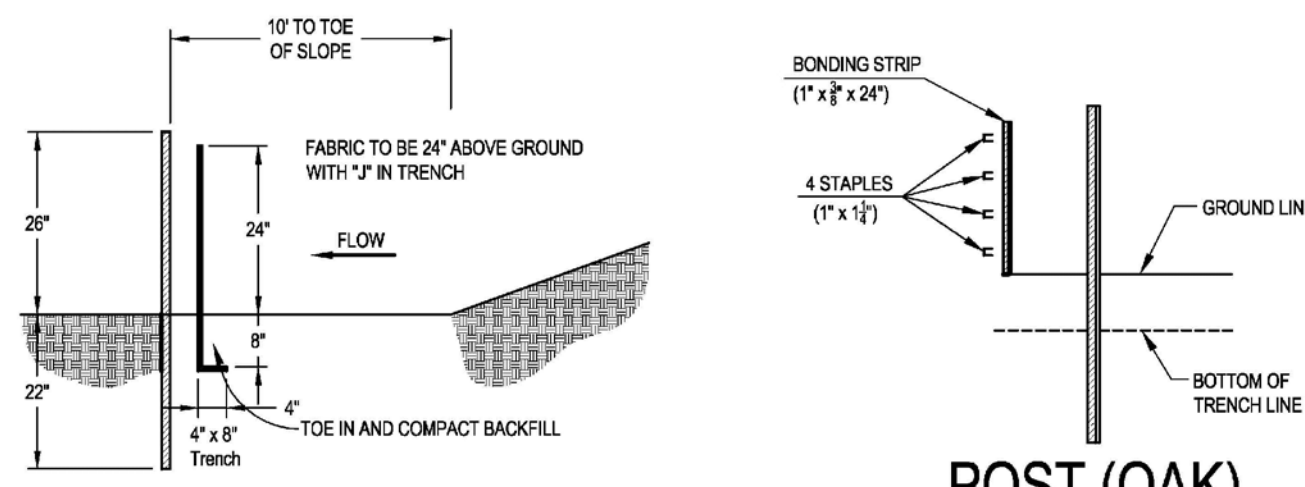
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PROJECT MANAGER
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 HARPER ENGINEERING
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ST. ALBANS, WV 25177
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JASON@HARPERENGWV.COM

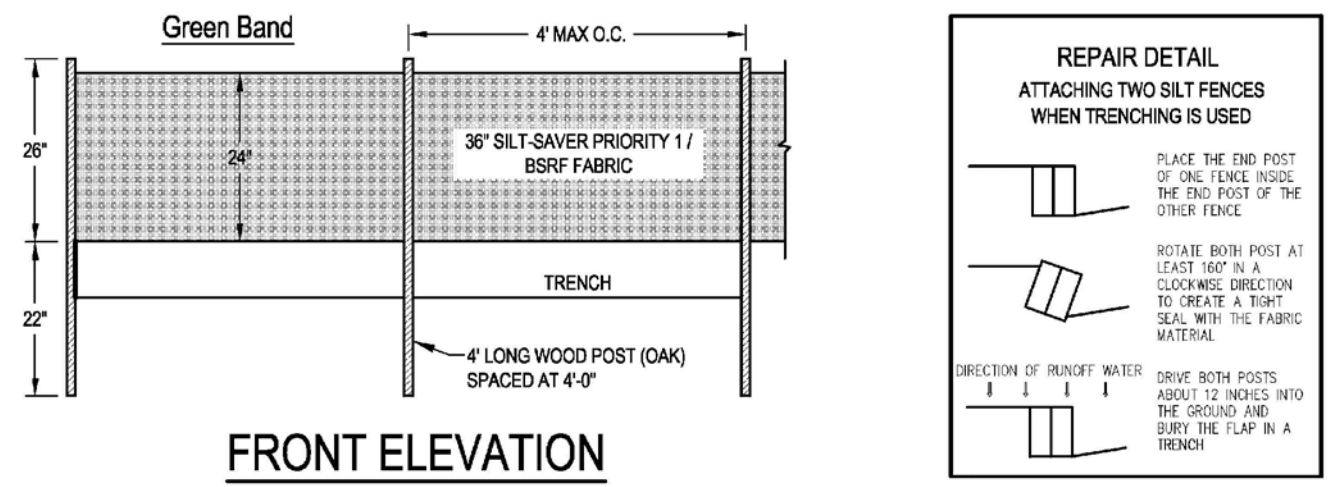
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FOR BIDDING DATE: _____ BY: _____

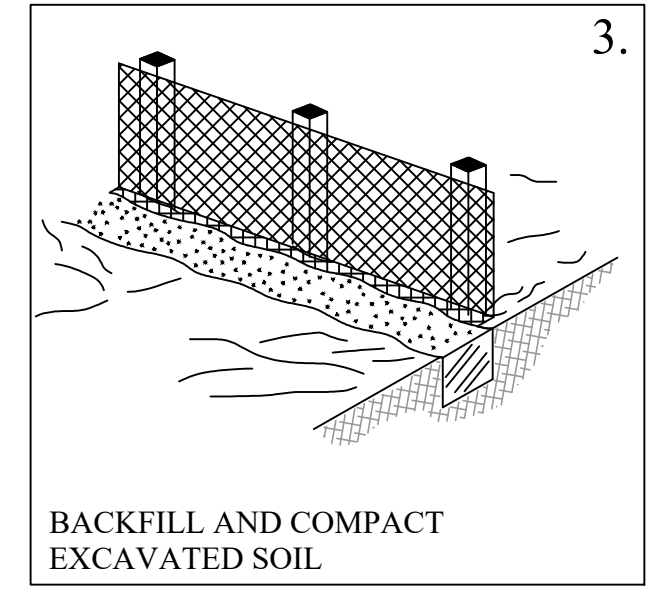
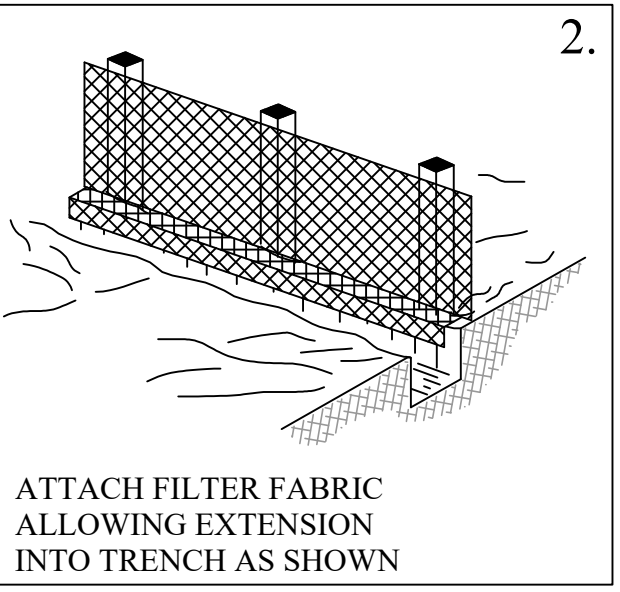
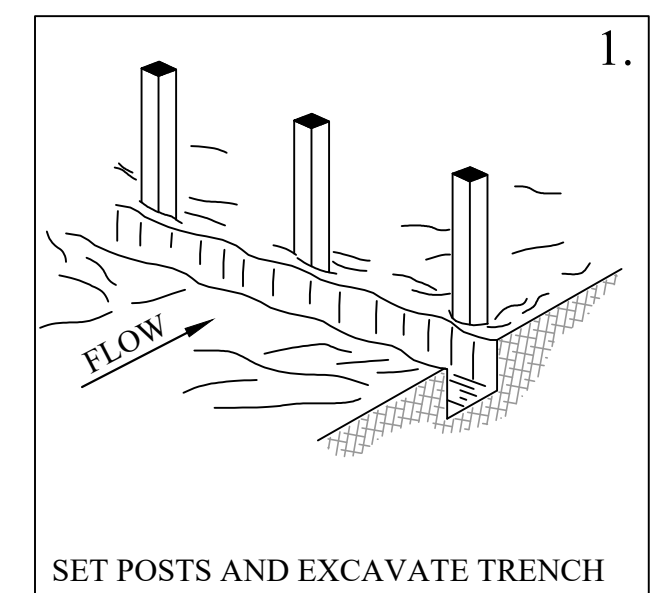
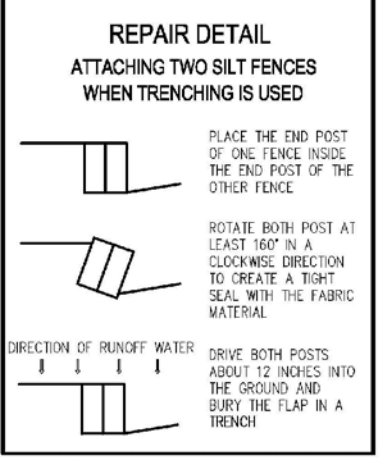
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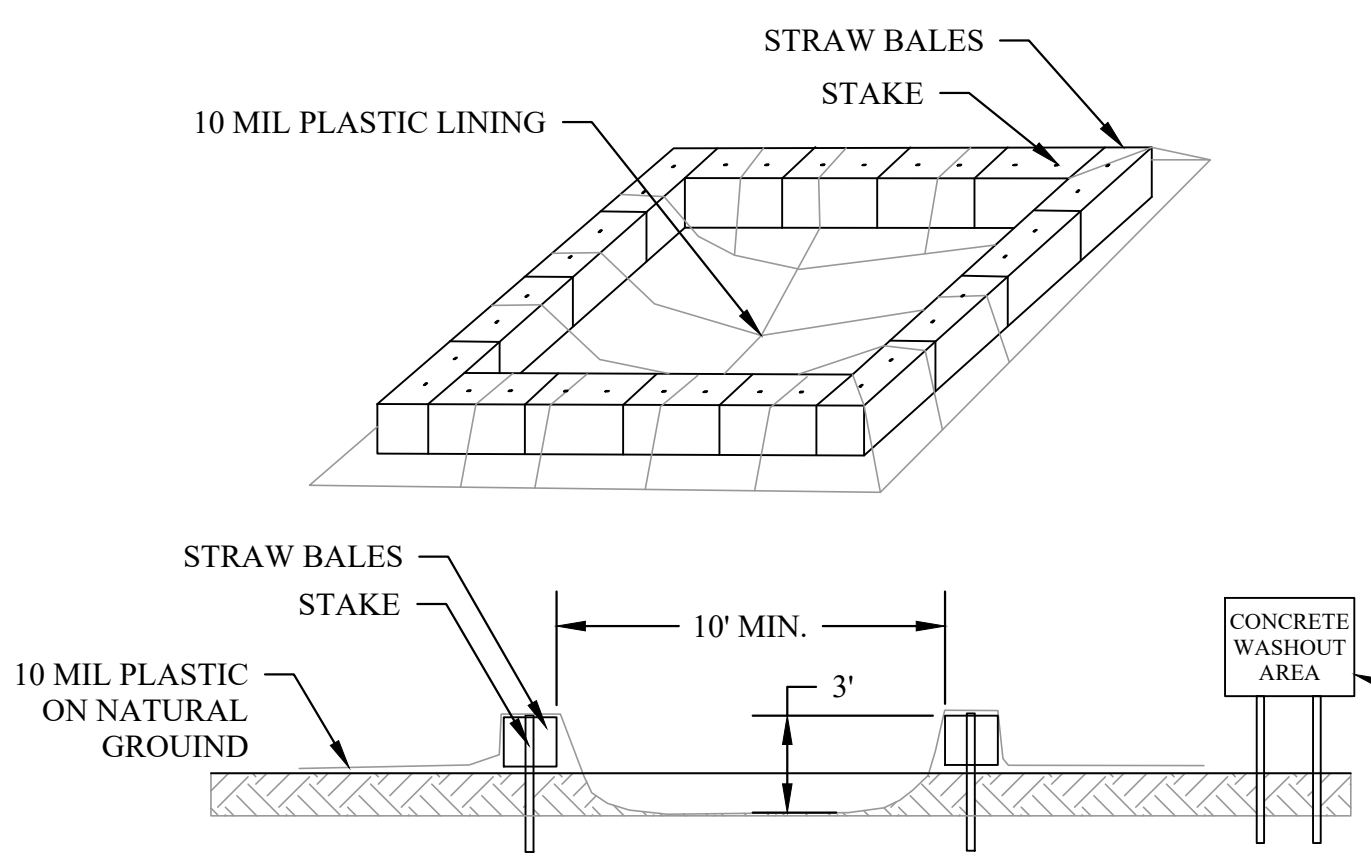
SIDE VIEW
POST (OAK)
 (1 3/4\"/>



FRONT ELEVATION
PLAN VIEW
BELTED SILT RETENTION FENCE - (BSRF)
PRIORITY 1 - GREEN BAND
 NOT TO SCALE

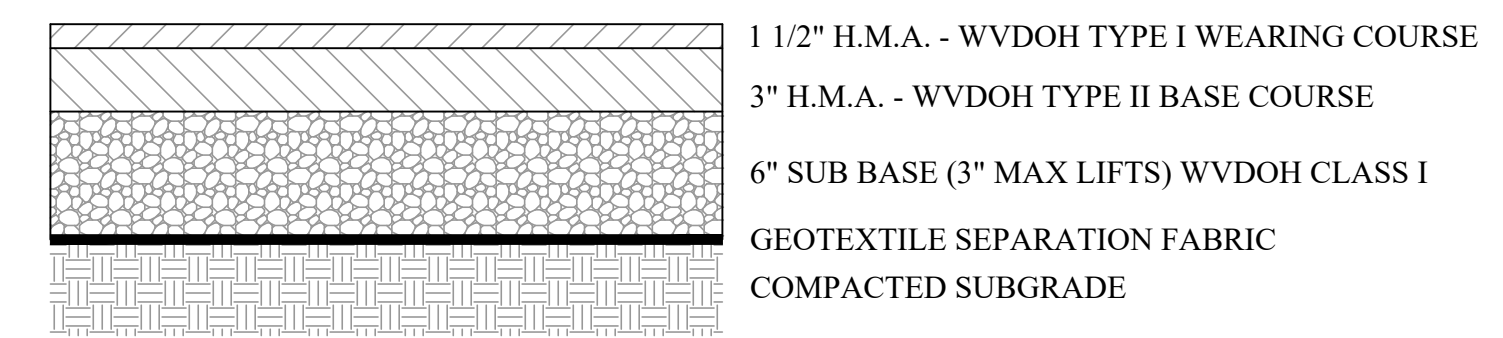


BUILDING SILT FENCE - STEP BY STEP PROCEDURE
 NOT TO SCALE

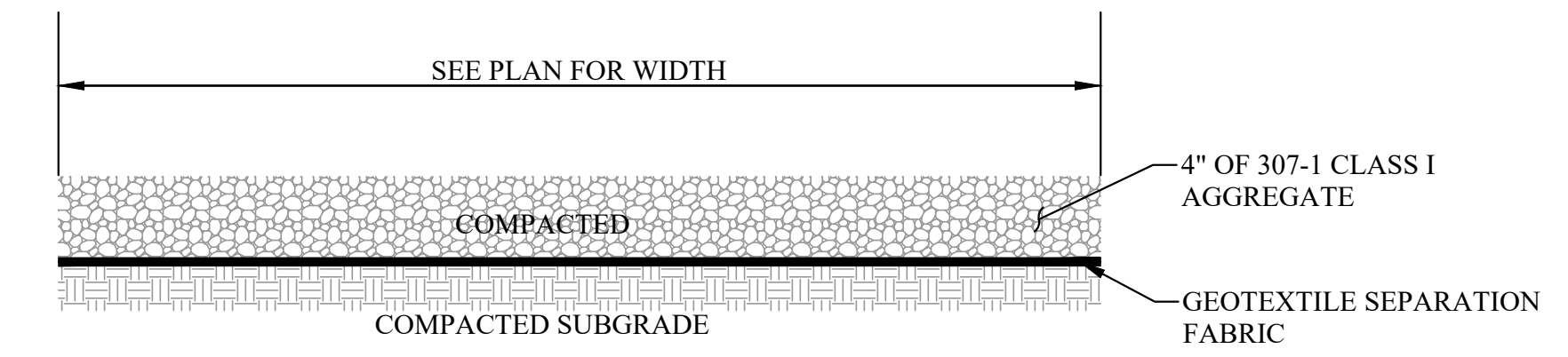


1. SIGNS SHOULD DESIGNATE THE LOCATION OF THE WASHOUT AREA, AND CONTRACTOR PERSONNEL SHOULD BE INFORMED OF ITS LOCATION.
2. STRAW BALES MAY BE SUBSTITUTED WITH SANDBAGS, WOOD, OR THE LIKE AND LINED WITH A TOTAL THICKNESS OF 10 MIL PLASTIC
3. CONCRETE WASHOUT AREAS SHOULD BE SITED A MINIMUM OF 50 YARDS AWAY FROM ANY STORM DRAINS OR WATERWAYS TO PREVENT ACCIDENTAL DISCHARGE.
4. INSPECT THE CONCRETE WASHOUT FACILITY DAILY TO DETECT LEAKS OR STRUCTURAL DEFICIENCIES, AND TO REMOVE ANY ACCUMULATED WASTE MATERIALS, AS NECESSARY.
5. HARDENED CONCRETE SHOULD BE RECYCLED OR DISPOSED OF PROPERLY.
6. ANY REMAINING LIQUID SHOULD BE COLLECTED AND RECYCLED AT THE CONCRETE PLANT, OR DISPOSED OF IN A LEAK-PROOF CONTAINER WITH OTHER CONSTRUCTION WASTE.

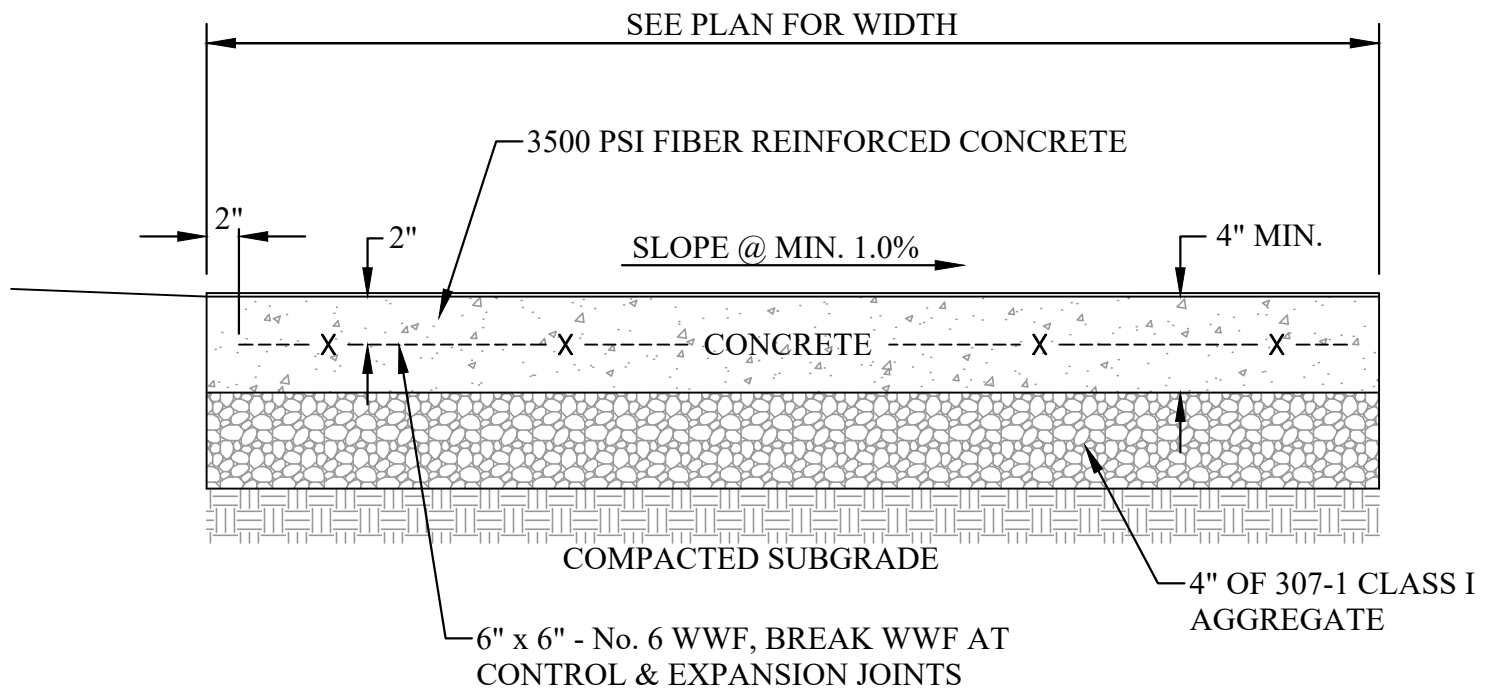
TYPICAL CONCRETE WASHOUT AREA
 NOT TO SCALE



PARKING LOT PAVEMENT/ ASPHALT TRENCH REPAIR SECTION
 NOT TO SCALE

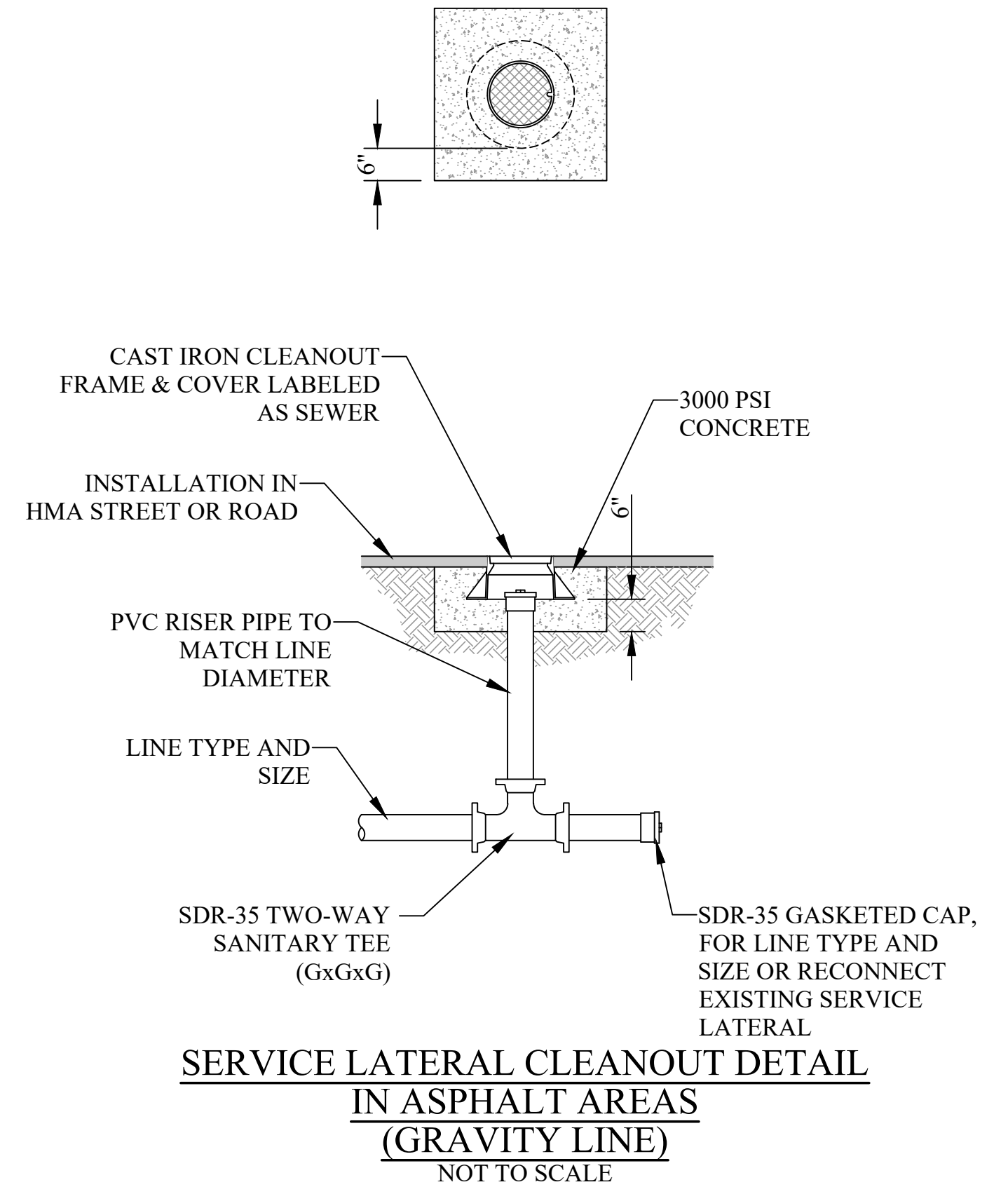


STONE WALKWAY DETAIL
 NOT TO SCALE

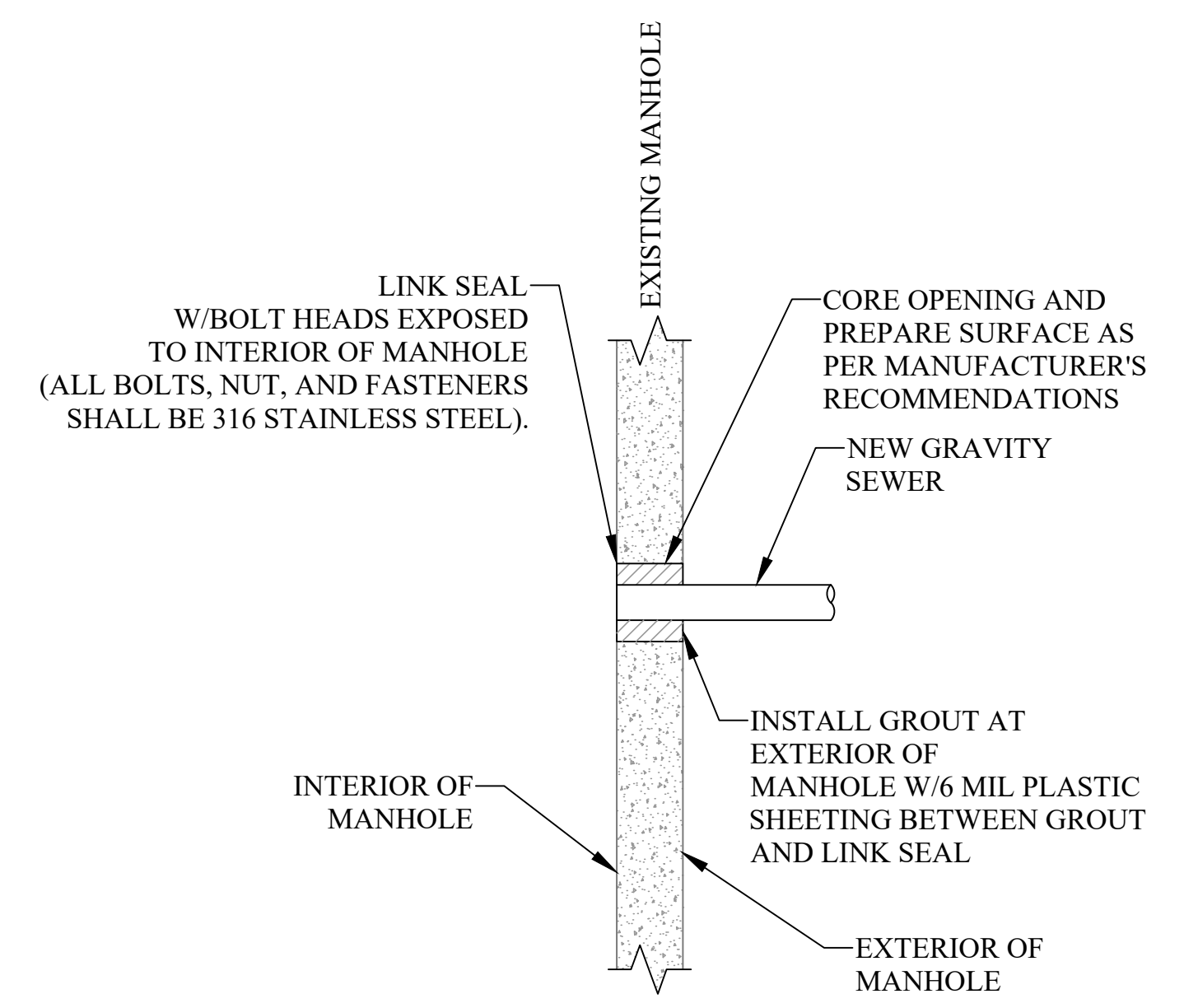


- NOTES:**
1. PLACE EXPANSION JOINT WHERE DIFFERENT SIDEWALKS ABUT, AND AGAINST ANY STRUCTURE.
 2. PLACE EXPANSION JOINTS 20' O.C.
 3. PLACE CONTRACTION JOINTS 5' O.C.
 4. FINISH SURFACE WITH A NON-SLIP BROOM SWEEP FINISH.

TYPICAL SIDEWALK SECTION
 NOT TO SCALE



SERVICE LATERAL CLEANOUT DETAIL
IN ASPHALT AREAS
(GRAVITY LINE)
 NOT TO SCALE



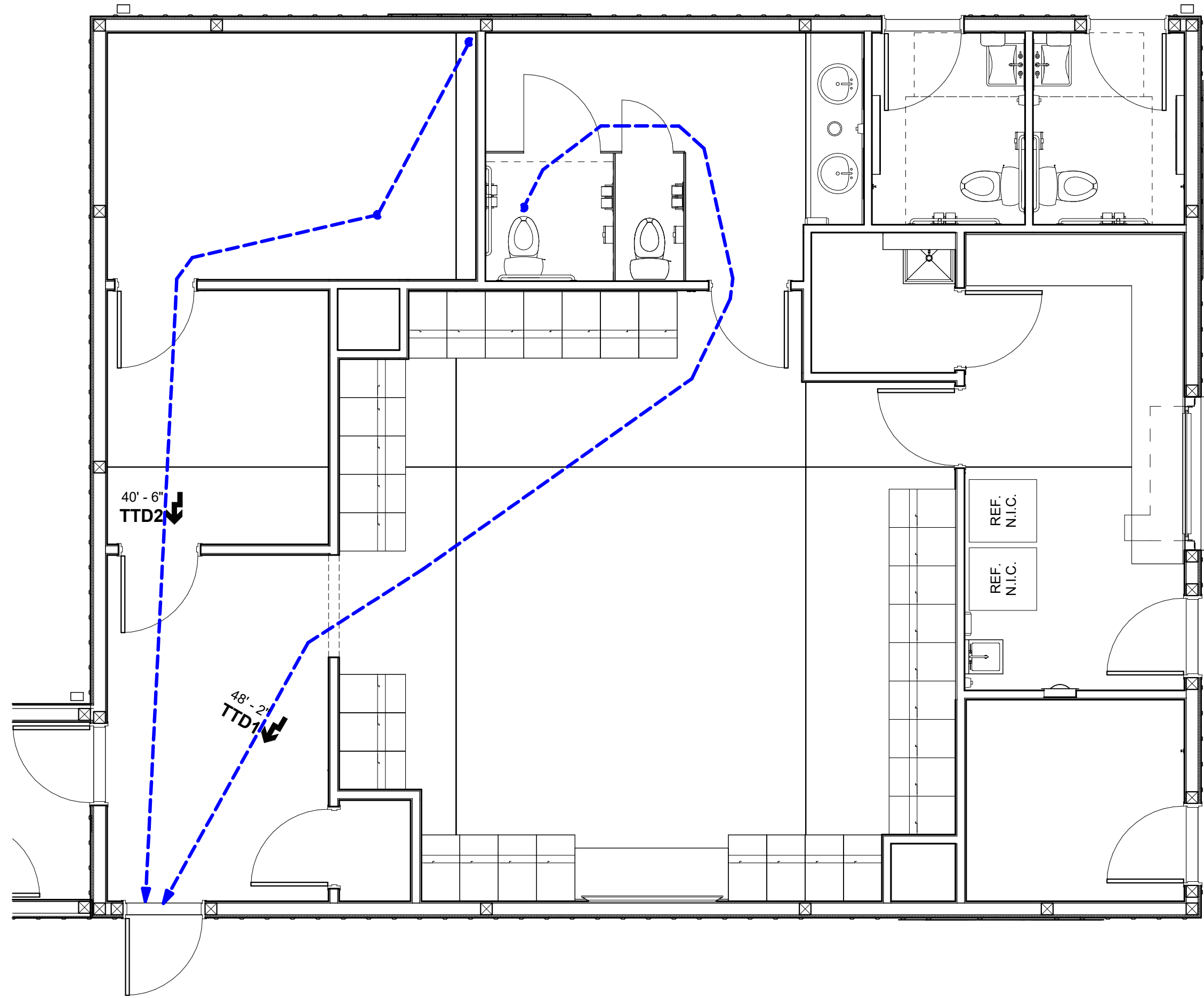
CONNECTION TO EXISTING MANHOLE DETAIL (LINK SEAL)
 NOT TO SCALE

CAD FILE: R:\060\T60-1177.00 - West Liberty University Softball Complex\1 - DRAININGS\CIVIL\60-1177-CIVIL SITE DETAILS.dwg
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 USER: brace.dgroot

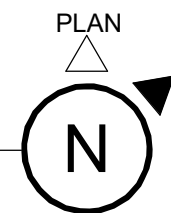
NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
 WEST LIBERTY UNIVERSITY
 208 UNIVERSITY DRIVE WEST LIBERTY, WV 26074
 MAY 6, 2024
 BIDDING DOCUMENTS

DRAWN: DATE:
 CHECKED: DATE:
 APPROVED: DATE:
 PROJECT No. T60-1177



1 LIFE SAFETY PLAN
 SCALE: 1/4" = 1'-0"



COMMON PATH OF EGRESS TRAVEL (IBC 1006.2.1)

OCCUPANCY	SPRINKLERED	MAX. DISTANCE
A	YES	75' - 0"
B	YES	100' - 0"
E	YES	75' - 0"
S	YES	100' - 0"

TOTAL TRAVEL DISTANCE (TTD)

Mark	Length

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NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
 WEST LIBERTY UNIVERSITY
 208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
 DECEMBER 2, 2024
 BIDDING DOCUMENTS

DRAWN: OOK DATE: 12/02/2024
 CHECKED: PMF DATE: 12/02/2024
 PROJECT No. T90-11177

LIFE SAFETY PLAN

SHEET No.

A0.01

LIFE SAFETY PLAN LEGEND

- X-X- 1 HOUR FIRE RATING
- X-X- 2 HOUR FIRE RATING
- CP1 10'-0" COMMON PATH OF TRAVEL
- TD1 10'-0" TRAVEL DISTANCE
- FIRE EXTINGUISHER - CABINET
- FIRE EXTINGUISHER - WALL MOUNT
- EXIT EXIT SIGN LOCATIONS
- 101 1hr FIRE RATED DOOR TAG

ABBREVIATIONS

ABV	ABOVE	DS	DOWNSPOUT	H/C	HANDICAPPED	MTL	METAL	SPEC	SPECIFICATIONS / SPECIFIED
ACT	ACOUSTICAL CEILING TILE	DWG	DRAWING	HB	HOSE BIB	N.I.C.	NOT IN CONTRACT	SPFI	SPRAY FOAM INSULATION
ADJ	ADJACENT	EA	EACH	HC	HOLLOW CORE	NC	NOISE CRITERIA	SPKR	SPEAKER
AFF	ABOVE FINISH FLOOR	EJ	EXPANSION JOINT	HDW	HARDWARE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	SQ	SQUARE
ALT	ALTERNATE	EL	ELEVATOR	HM	HOLLOW METAL	NO	NUMBER	SS	STAINLESS STEEL
ALUM	ALUMINUM	ELEV	ELEVATION	HORIZ	HORIZONTAL	NOM	NOMINAL	STC	SOUND TRANSMISSION COEFFICIENT
ANOD	ANODIZED	EQ	EQUAL	HR	HOUR	NTS	NOT TO SCALE	STD	STANDARD
APPROX	APPROXIMATE, APPROXIMATELY	EQUIP	EQUIPMENT	HT	HEIGHT	O.C.	ON CENTER	STL	STEEL
ARCH	ARCHITECTURAL, ARCHITECT	EXIST	EXISTING	HVAC	HEATING, VENTILATION, & AIR CONDITIONING	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	STOR	STORAGE
ATTN.	ATTENUATION	EXP	EXPANSION	HVT	HOMOGENEOUS VINYL TILE	OH or O.H.	OVERHEAD / OPPOSITE HAND	STRUCT	STRUCTURE / STRUCTURAL
AWRB	AIR & WATER - RESISTIVE BARRIER	EXT	EXTERIOR	HYD	HYDRANT	ORD	OVERFLOW ROOF DRAIN	SUSP	SUSPENDED
BIT	BITUMINOUS	FCB	FIBER-CEMENT BOARD	IBC	INTERNATIONAL BUILDING CODE	OSB	ORIENTED STRAND BOARD	SW	SIDEWALK
BLDG	BUILDING	FD	FLOOR DRAIN	IN	INCH / INCHES	P.T.	PRESSURE TREATED	T & G	TONGUE & GROOVE
BLK	BLOCK	FE	FIRE EXTINGUISHER	INSUL	INSULATION	PERF	PERFORATED	TBD	TO BE DETERMINED
BLKHD	BULKHEAD	FEC	FIRE EXTINGUISHER CABINET	INT	INTERIOR	PLAM	PLASTIC LAMINATE	TEMP	TEMPERED
BLW	BELOW	FF	FACTORY FINISH	JAN / JC	JANITOR / JANITOR'S CLOSET	PLT	PLATE	TOF	TOP OF FOOTING
BOF	BOTTOM OF FOOTING	FFE	FINISHED FLOOR ELEVATION	JT	JOINT	PLYWD	PLYWOOD	TOM	TOP OF MASONRY
BRG	BEARING	FG	FINISH GRADE	LAV	LAVATORY	PNT	PAINT	TOS	TOP OF STEEL
BRK	BRICK	FIN	FINISH / FINAL	LF	LINEAR FEET	PNTD	PAINTED	TOW	TOP OF WALL
BTW	BETWEEN	FIN. FL	FINISHED FLOOR	LKR	LOCKER	QTY	QUALITY	TRTD	TREATED
CI	CONTINUOUS INSULATION	FLR	FLOOR	LTG	LIGHTING	R	RADIUS / RISER	TYP	TYPICAL
CJ	CONTROL JOINT	FND	FOUNDATION	LVL	LAMINATED VENEER LUMBER	RB	RUBBER BASE	UNO	UNLESS NOTED OTHERWISE
CL	CENTER LINE	FOB	FACE OF BRICK	LVR	LOUVER	RCP	REFLECTED CEILING PLAN	UTIL	UTILITY
CLG	CEILING	FOC	FACE OF CONCRETE	LVT	LUXURY VINYL TILE	RD	ROOF DRAIN	VB	VAPOR BARRIER
CLR	CLEAR	FOE	FACE OF EXISTING	MAS	MASONRY	REF	REFRIGERATOR	VCT	VINYL COMPOSITION TILE
CMU	CONCRETE MASONRY UNIT	FOS	FACE OF STUD	MAT'L	MATERIAL	REIN	REINFORCING, REINFORCED	VERT	VERTICAL
COL	COLUMN	FR	FIRE RESISTANT	MAX	MAXIMUM	REQ'D	REQUIRED	VEST	VESTIBULE
COMP	COMPACTED	FRP	FIBER-REINFORCED PLASTIC	MCJ	MASONRY CONTROL JOINT	RM	ROOM	RET	REFLECTED CEILING PLAN
CONC	CONCRETE	FRT	FIRE-RETARDANT TREATED	MDF	MEDIUM DENSITY FIBERBOARD	RO	ROUGH OPENING	VF	VAPOR VARIETY IN FIELD
CONT	CONTINUOUS	FT	FEET / FOOT	MECH	MECHANICAL	RTU	ROOFTOP UNIT	VR	VAPOR RETARDER
CONC	CONCRETE	FTG	FOOTING	MIN	MINIMUM	SD	SMOKE DETECTOR	VSF	VINYL SHEET FLOORING
CPT	CARPET	FV	FIELD VERIFY	MISC	MISCELLANEOUS	SECT	SECTION	W	WITH
CT	CERAMIC TILE	GA	GAUGE	MO	MASONRY OPENING	SF	SQUARE FEET	WO	WITHOUT
CTB	CERAMIC TILE BASE	GALV	GALVANIZED	MOS	MANUALLY OPERATED SHADE	SHT	SHEET	WA	WAINSCOT
CTR	CENTER	GCT	GLAZED CERAMIC TILE	MP	METAL PANEL	SHTG	SHEATHING	WB	WOOD BASE
D/W	DISH WASHER	GFI	GROUND FAULT INTERRUPTER	MR	MOISTURE RESISTANT	SHWR	SHOWER	WC	WATER CLOSET
DBL	DOUBLE	GL	GLAZING / GLASS	MTD	MOUNTED	SIM	SIMILAR	WD	WOOD
DEMO	DEMOLISH / DEMOLITION	GR	GRADE / GRADING	MTG	MOUNTING	SOG	SLAB ON GRADE	WH	WATER HEATER
DIA	DIAMETER	GWB	GYPSUM WALLBOARD					WT	WALL COVERING / TEXTILE
DN	DOWN	GYP	GYPSUM					WWF	WELDED WIRE FABRIC

SYMBOLS LEGEND

VIEW TAG		View Name SCALE: 15" = 100'-0"	EXTERIOR ELEVATION	
BUILDING SECTION			INTERIOR ELEVATION	
WALL SECTION			REFERENCE TAG	
ROOM TAG			LEVEL HEAD	
DOOR TAG		DOOR TAG FIRE RATING PROVIDE ACCESS CONTROLS	DEMOLITION TAG	
DOOR TYPE			CEILING TAG	
WALL TAG			REVISION TAG	
WINDOW TAG			ACCESSORY TAG	
STOREFRONT TAG			VIEW REFERENCE	
STOREFRONT PANEL TYPE			SPOT ELEVATION	
STRUCTURAL COLUMN GRID LINE			FINISH TAGS	
GENERAL SURFACE CONSTRUCTION NOTE			ACOUSTICAL BATT INSULATION	
ACOUSTICAL BATT INSULATION			FINISH TAGS	
			REVISION TAG	
			ACCESSORY TAG	
			VIEW REFERENCE	
			SPOT ELEVATION	
			FINISH TAGS	
			ACOUSTICAL BATT INSULATION	

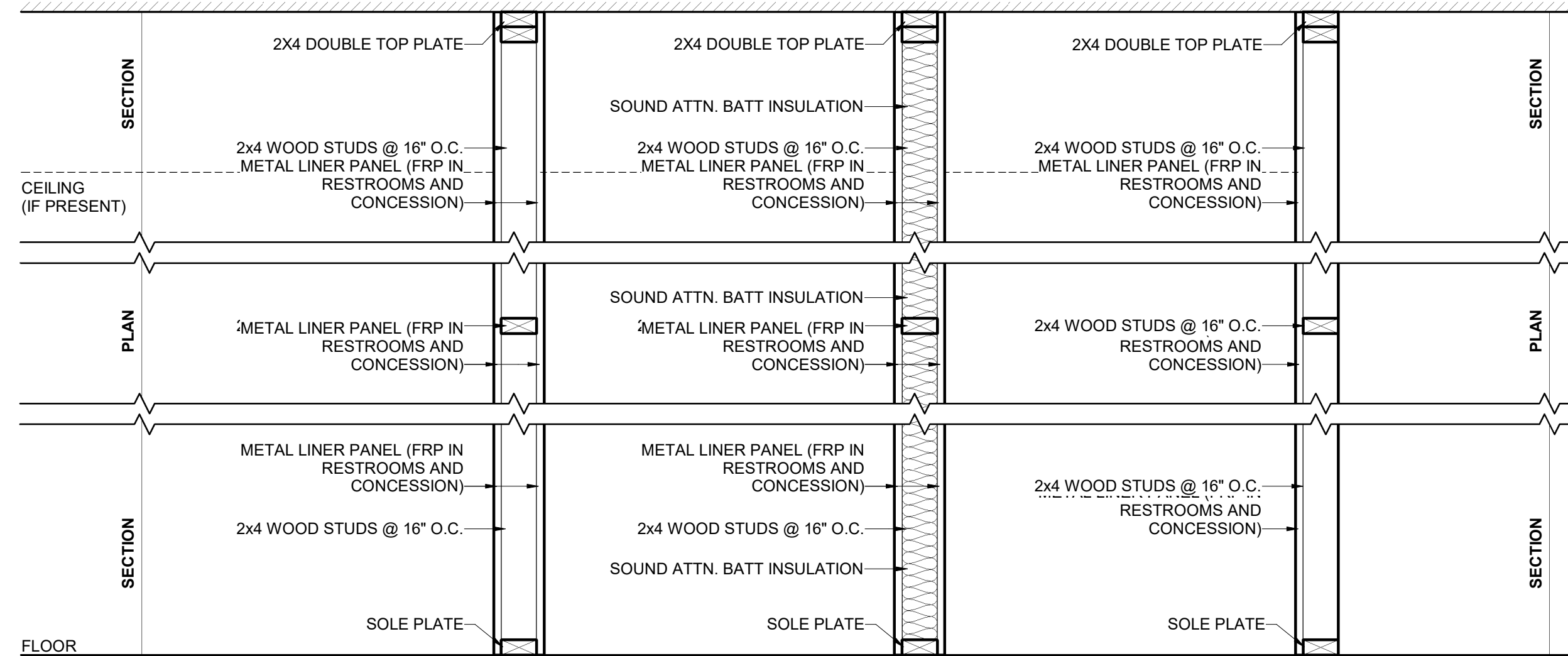
THRASHER
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DESCRIPTION	
DATE	
BY	
NO.	

WALL NOTE: ALL PARTITIOS ARE TO BE FULL HEIGHT TO DECK OR FLOOR ABOVE U.N.O.



- 1**
AS SHOWN
1A
INSTALL FRP PANELS ON ONE SIDE IN LIEU OF LINER PANEL
- 2**
AS SHOWN
2A
INSTALL FRP PANELS ON ONE SIDE IN LIEU OF LINER PANEL
- 3**
2B
INSTALL FRP PANELS ON BOTH SIDES IN LIEU OF LINER PANEL

1 INTERIOR WALL TYPES
SCALE: 1" = 1'-0"

DESIGN DATA

Wind:
Basic Design Wind Speed: V 115 mph
Allowable Stress Design Wind Speed: V_{asd} 100 mph
Risk Category: Risk Category II
Wind exposure classification: B
Internal Pressure Coefficient: ± 0.18
Exterior C&C Pressure: 25 psf

Live Loads:
Commercial:
Assembly Areas and Common Spaces 100 psf
First Floor Corridors 100 psf
Corridors above First Floor 80 psf
Fire Escapes 100 psf
File and Computer Rooms See Details
Offices 50 psf
Typical Roof 20 psf
Light Storage 20 psf

Snow Load Data:
Ground Snow Load: P_g 25 psf
Flat Roof Snow Load: P_f 25 psf (min)
Snow Exposure Factor: C_e 1.0
Thermal Factor: C_t 1.0
Snow Load Importance Factor: I_s 1.0
Slope Factor(s): C_s 1.0
Drift surcharge load(s): p_s where p_s > 20psf
Width of snow drift: w 2 ft

Seismic Load Data:
Risk Category: Risk Category II
Seismic Importance Factor: I_s 1.0
Mapped Spectral Response Accel. Parameters: S_s = 0.091; S₁ = 0.047
Mapped Spectral Response Accel. Parameters: S_{0.5} = 0.098; S_{0.1} = 0.076
Seismic Site Class: D (assumed)
Seismic Design Class: B
SFRS: Masonry Shear 140 KIP + PEMB
Structure Weight: 3.0
Response Modification Coefficient: R 1.1
Seismic Response Coefficient: C_s 1.1
Seismic Procedure Used: ELFP

Rain Load Data:
15-Minute Rainfall Intensity: 5.35 in./hr
60-Minute Rainfall Intensity: 2.58 in./hr

GENERAL NOTES

- Do not scale these drawings.
- The scope of the work is generally limited to the areas shown on these plans. Work necessary to run electrical service to existing panels or extend or reroute other utility lines is also included.
- Verify all existing conditions and dimensions prior to commencement of any on site activities.
- Dimensions shown on these plans are typically from face of stud unless noted otherwise.
- Install wood blocking in new walls to receive wall-mounted items. Wood blocking shall be fire retardant treated.

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

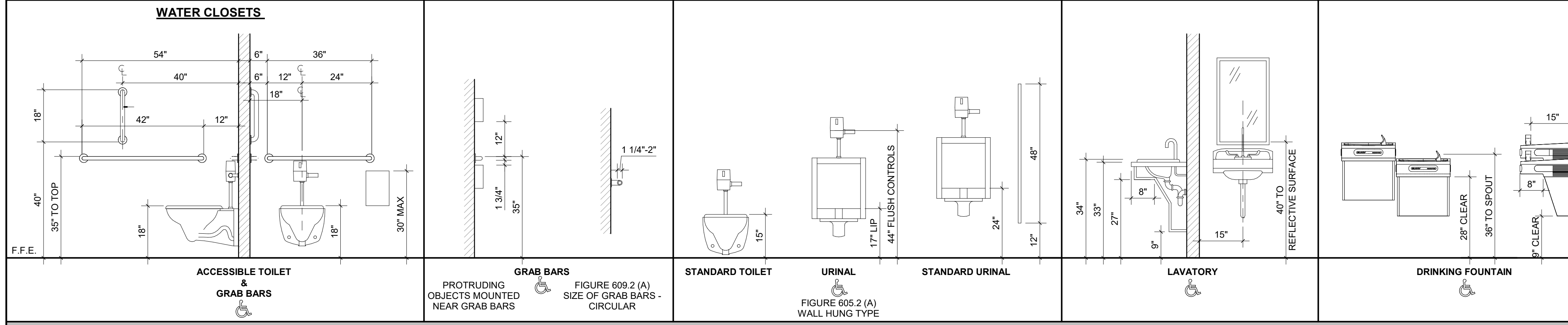
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CHECKED: PMF DATE: 12/02/2024
PROJECT No. T80-11177

GENERAL INFORMATION
SHEET No.

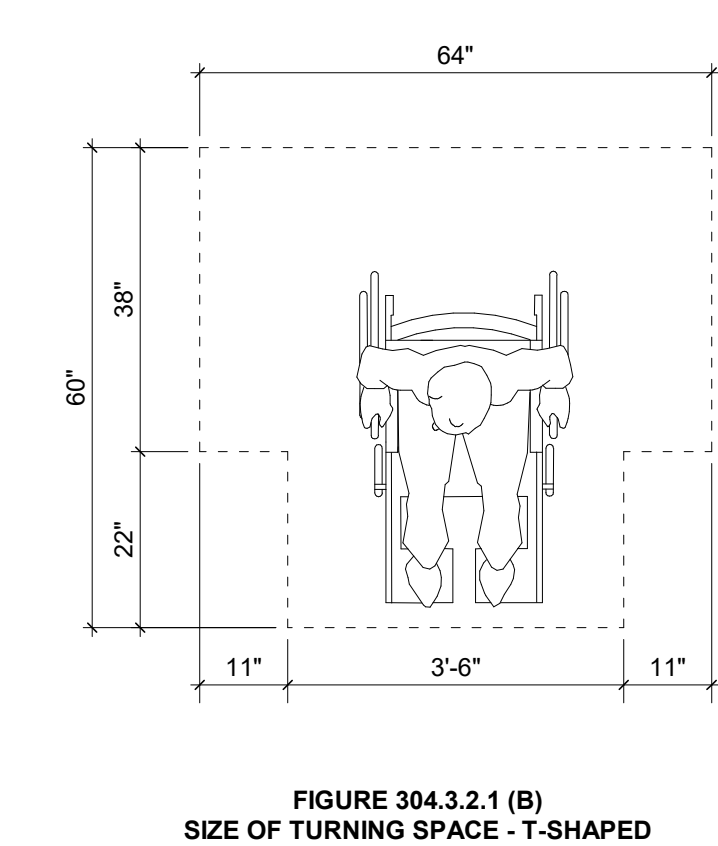
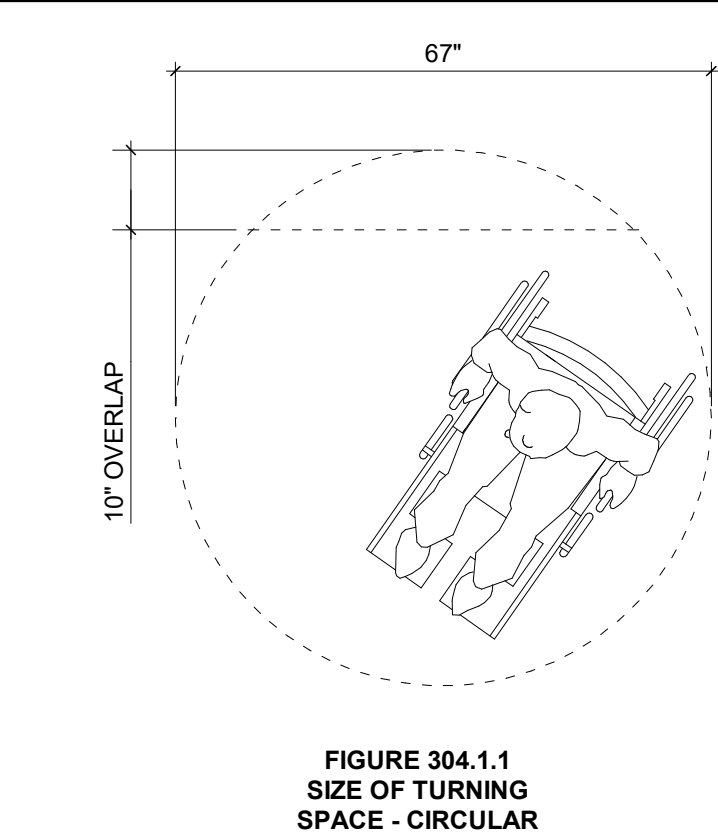
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LAYOUT TAB: GENERAL INFORMATION PLOT DATE/TIME: 12/2/2024 3:06:50 PM USER: OOK CAD FILE: A:\desk Docs\West Liberty Softball Clubhouse\T80-11177 - WL Softball Clubhouse - Pow Building (8/14/2024).rvt

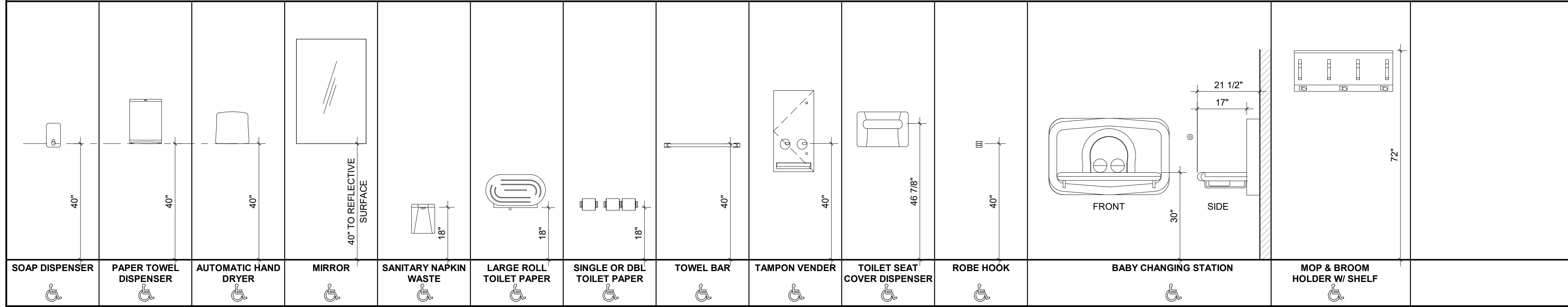
PLUMBING FIXTURE AND GRAB BAR MOUNTING HEIGHTS



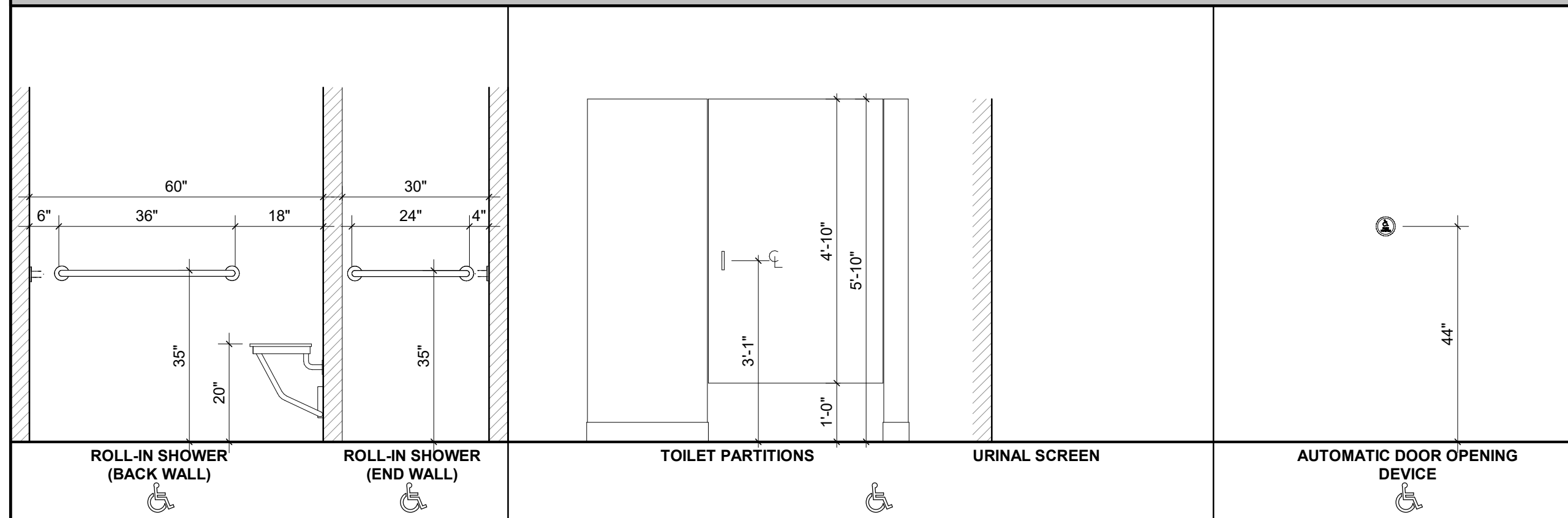
TURNING



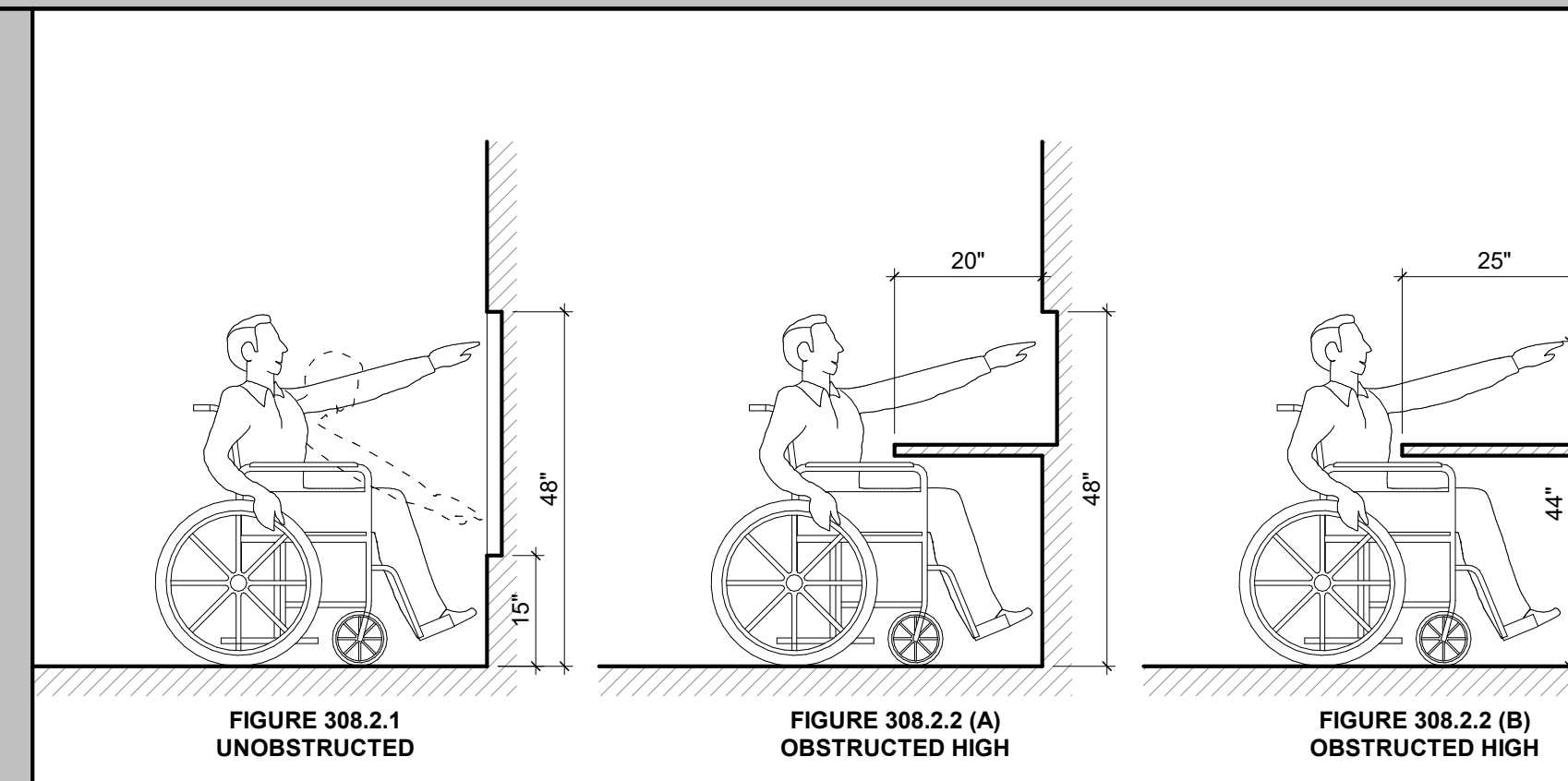
ACCESSORY MOUNTING HEIGHTS



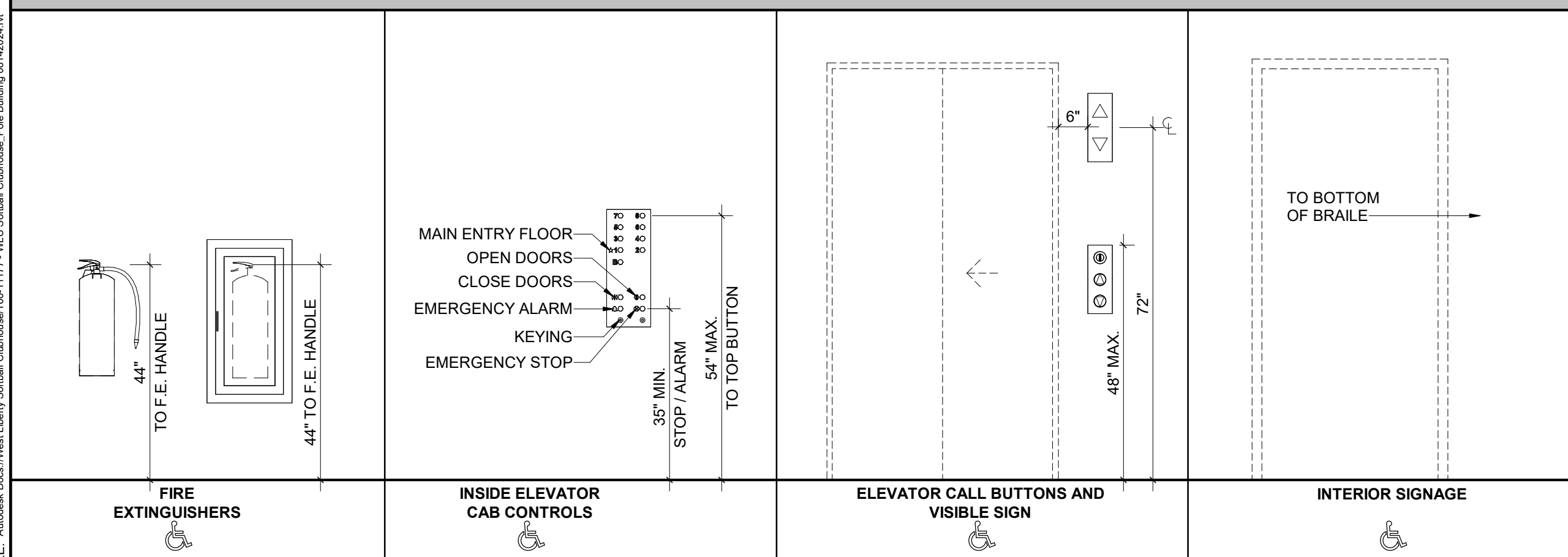
SHOWERS AND BATH TUBS MOUNTING HEIGHTS



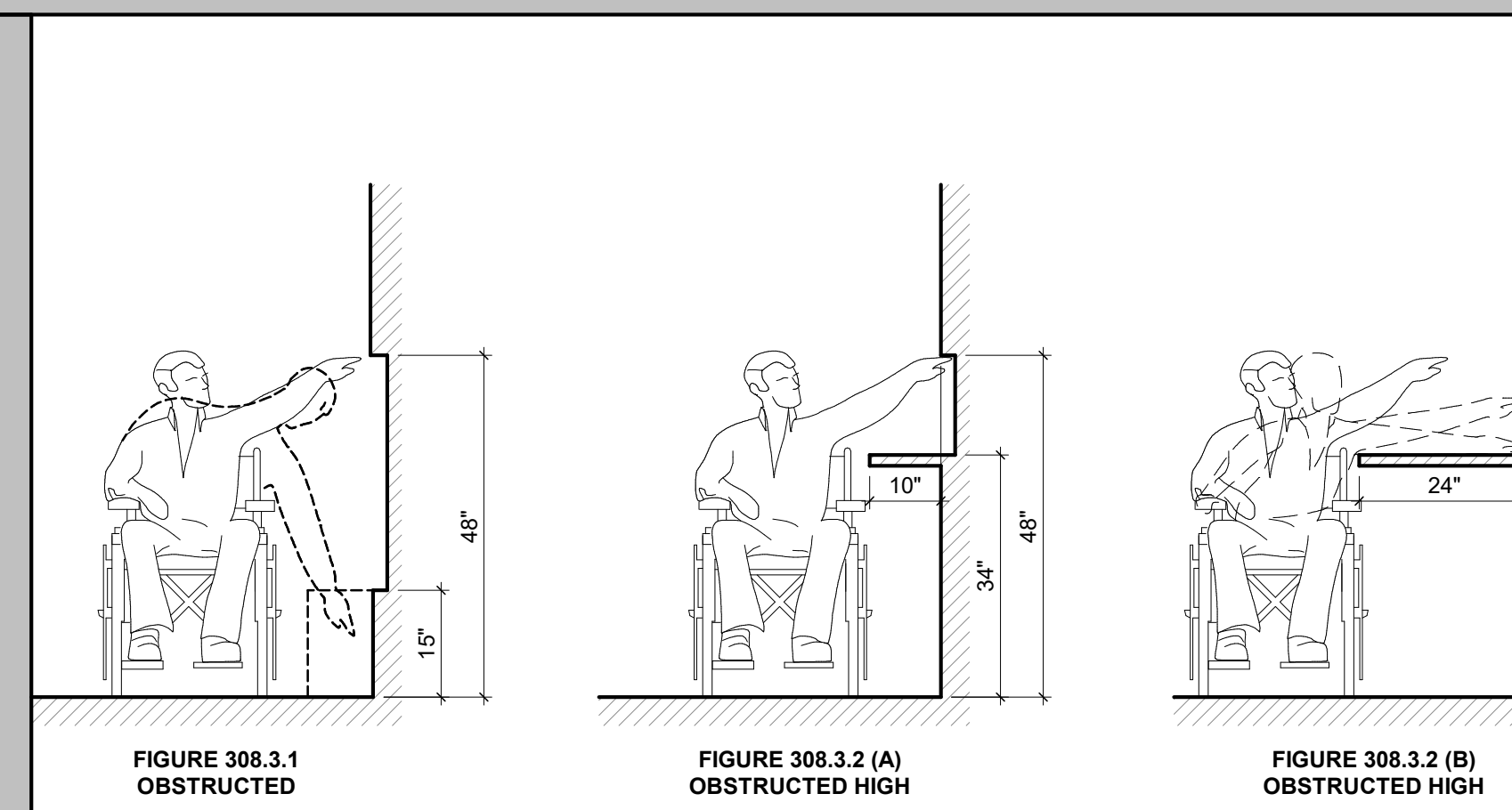
FORWARD REACH



PUBLIC WAY MOUNTING HEIGHTS



SIDE REACH



THRASHER
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USER: OOK
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 CAD FILE: A:\desk\Draws\West Liberty Softball Clubhouse\180-1117 - WL Softball Clubhouse - Pow Building 08142024.rvt
 LAYOUT TAB: ACCESSIBILITY REQUIREMENTS
 DRAWN: OOK
 CHECKED: PMF
 PROJECT No.: T80-11177
 DATE: 12/02/2024
 DATE: 12/02/2024

NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
 WEST LIBERTY UNIVERSITY
 208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
 DECEMBER 2, 2024
 BIDDING DOCUMENTS

DRAWN: OOK
 CHECKED: PMF
 PROJECT No.: T80-11177
 DATE: 12/02/2024
 DATE: 12/02/2024

ACCESSIBILITY REQUIREMENTS
 SHEET No. **A0.03**

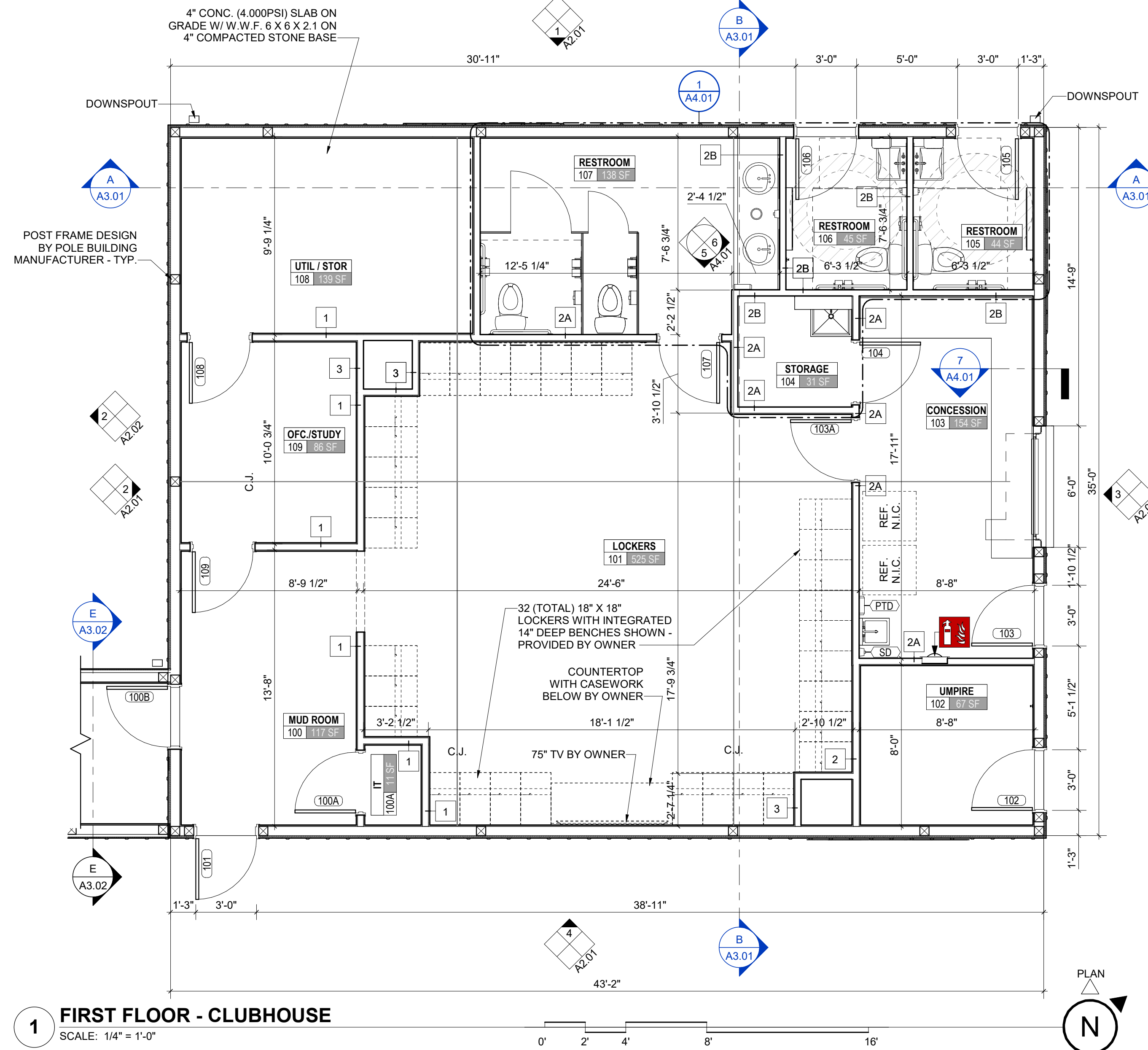
NOTE: DIMENSIONS INDICATED BELOW ARE STANDARD ADULT ADA HEIGHTS. ALL OTHER SPECIALTY HEIGHTS WILL BE INDICATED ON THE DRAWINGS.



LAYOUT TAB: FLOOR PLAN - CLUBHOUSE
CAD FILE: Autodesk Docs://WestLibertySoftballClubhouse/180-11177 - WL Softball Clubhouse - Pole Building (08/10/2024).rvt

FLOT DATE/TIME: 12/2/2024 3:08:51 PM

USER: OOK

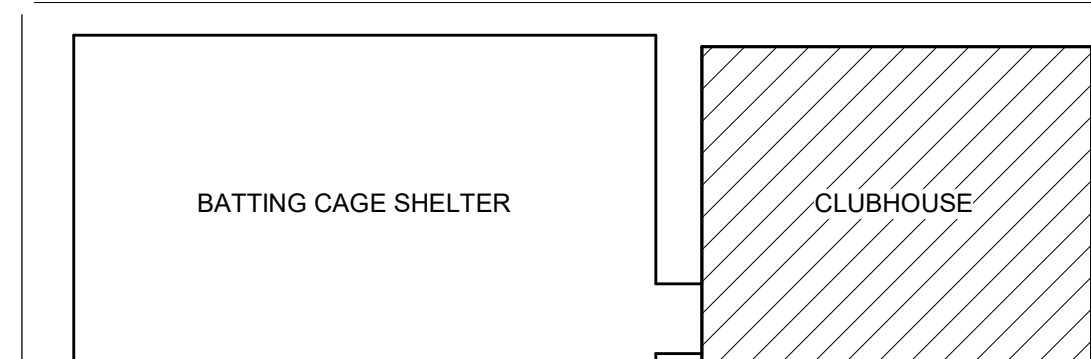


1 FIRST FLOOR - CLUBHOUSE
SCALE: 1/4" = 1'-0"

PLAN NOTES

- A. Do not scale these plans.
- B. See plans and sections for wall location and type selections.
- C. All penetrations through walls shall be sealed with firestopping material as required to achieve the respective fire-resistive rating and smoke stoppage.
- D. Interior dimensions shown on these plans are from face of stud to face of stud unless noted otherwise.
- E. Provide erosion protection as required by all governing authorities.
- F. Provide pressure treated wood where in contact with flashing, waterproofing, concrete, and/or earth.
- G. All wood fasteners, hangers, etc. in contact with pressure treated wood to receive minimum G90 galvanized or greater as required by fastener manufacturer for type of pressure treated chemical used and/or environment.
- H. Lighting protection will be installed complying with NFPA 780.
- I. Concrete footers are sized assuming a minimum soil bearing capacity of 3000 PSI.
- J. All contractors are responsible for checking dimensions before estimating, ordering, and/or starting work.

KEYPLAN



SOFTBALL CLUBHOUSE

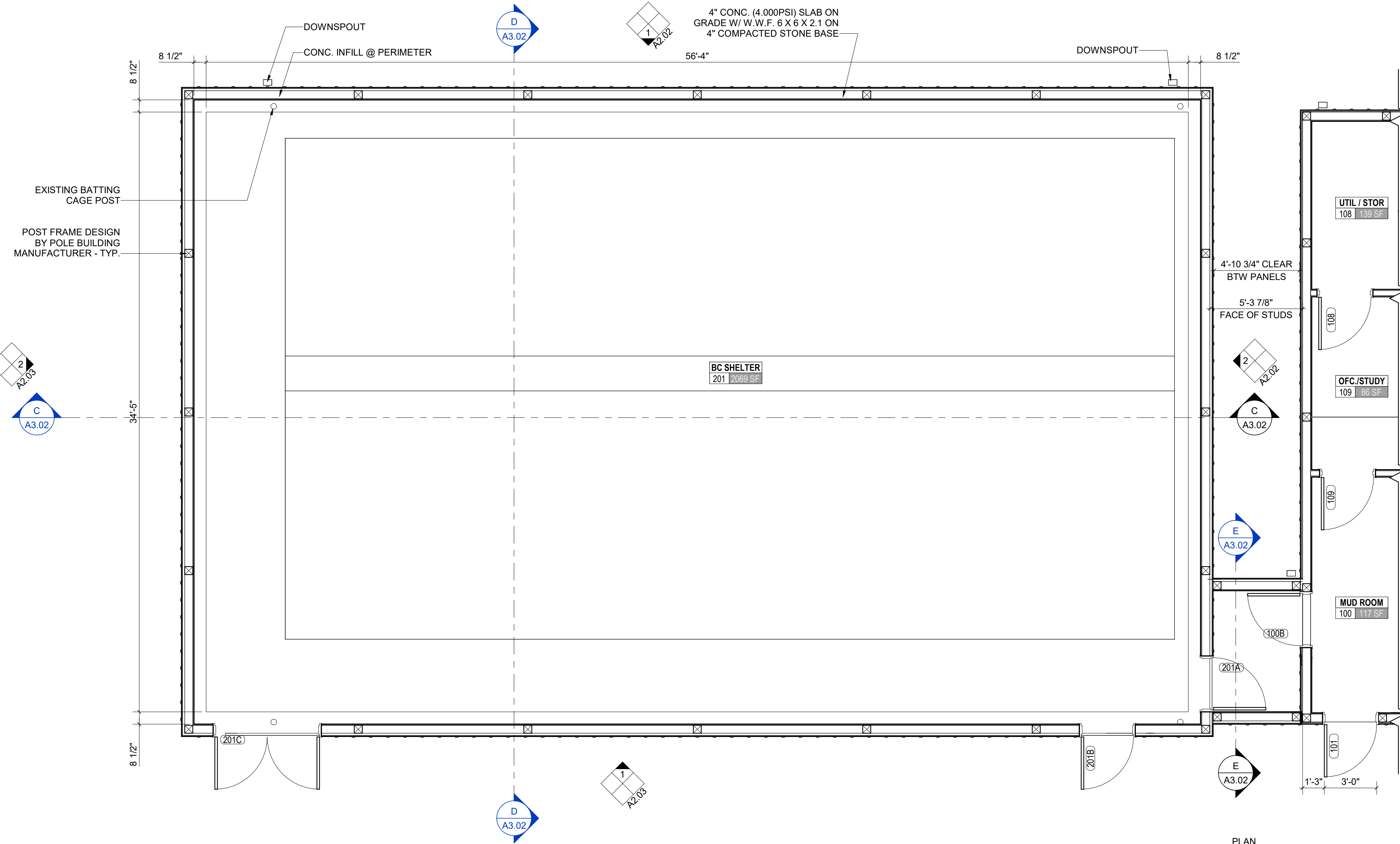
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024

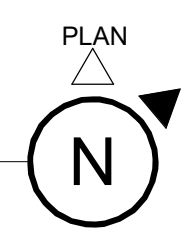
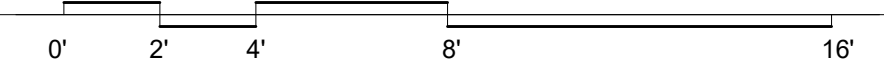
PROJECT No. T80-11177

FLOOR PLAN - CLUBHOUSE
SHEET No.

A1.01



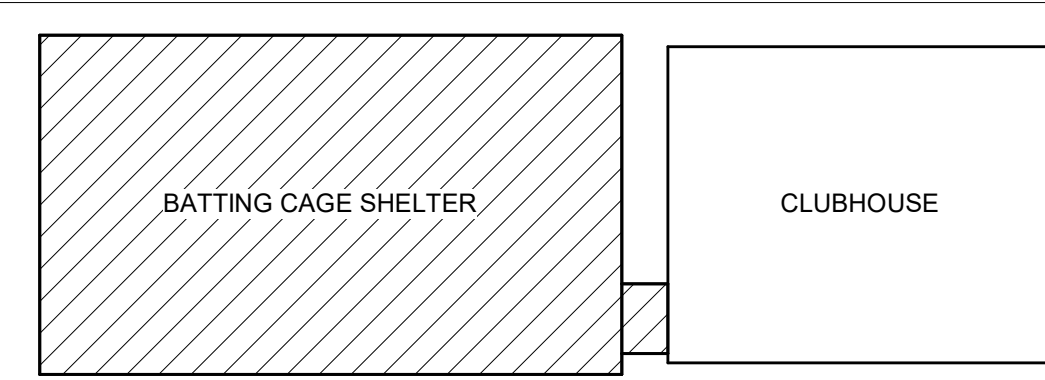
1 FIRST FLOOR - BATTING CAGE SHELTER
SCALE: 1/4" = 1'-0"



PLAN NOTES

- A. Do not scale these plans.
- B. See plans and sections for wall location and type selections.
- C. All penetrations through walls shall be sealed with firestopping material as required to achieve the respective fire-resistive rating and smoke stoppage.
- D. Interior dimensions shown on these plans are from face of stud to face of stud unless noted otherwise.
- E. Provide erosion protection as required by all governing authorities.
- F. Provide pressure treated wood where in contact with flashing, waterproofing, concrete, and/or earth.
- G. All wood fasteners, hangers, etc. in contact with pressure treated wood to receive minimum G90 galvanized or greater as required by fastener manufacturer for type of pressure treated chemical used and/or environment.
- H. Lighting protection will be installed complying with NFPA 780.
- I. Concrete footers are sized assuming a minimum soil bearing capacity of 3000 PSI.
- J. All contractors are responsible for checking dimensions before estimating, ordering, and/or starting work.

KEYPLAN



NO.	BY	DATE	DESCRIPTION

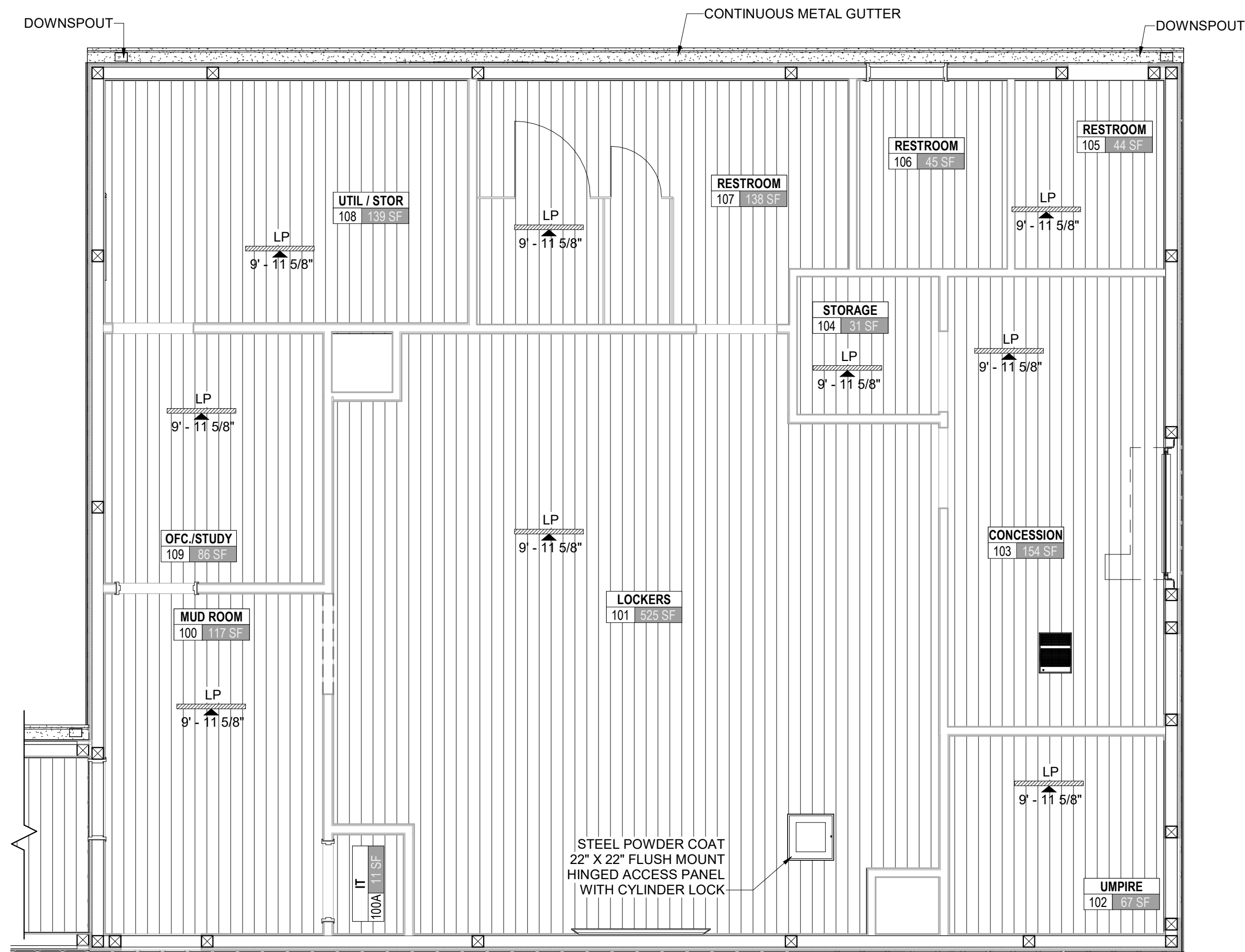
SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No. T80-11177

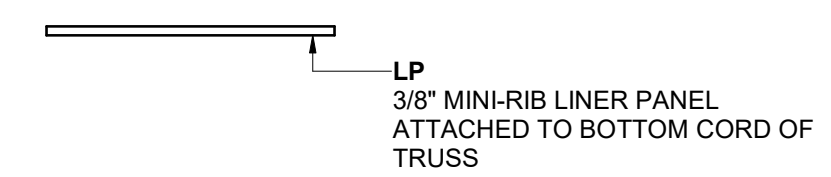
FLOOR PLAN - BATTING CAGE SHELTER
SHEET No.

A1.02

LAYOUT TAB - FLOOR PLAN - BATTING CAGE SHELTER
CAD FILE: AutoCAD Docs\West Liberty Softball Clubhouse\T80-11177 - WL Softball Clubhouse Pole Building 08142024.rvt
PLOT DATE/TIME: 12/02/2024 3:08:52 PM
USER: OOK



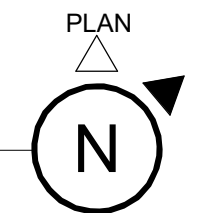
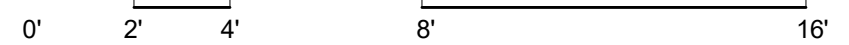
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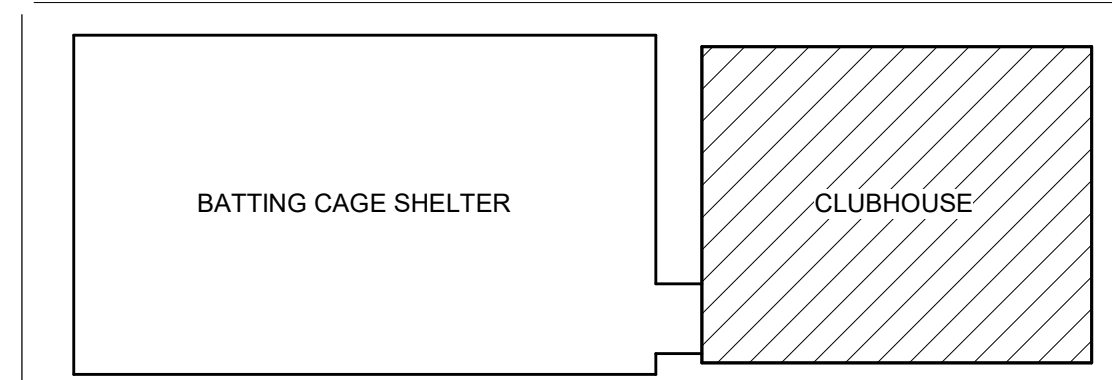
RCP LEGEND

GYPSUM BOARD CEILING		CEILING MOUNTED EXHAUST	
CEILING MOUNTED LIGHTING FIXTURE		CEILING MOUNTED SUPPLY	
EXIT SIGN		CEILING MOUNTED LIGHTING FIXTURE	
ACCESS PANEL		CEILING MOUNTED HEATER	
BULK HEAD		WALLS	

1 FIRST FLOOR - CLUBHOUSE
SCALE: 1/4" = 1'-0"



KEYPLAN



SOFTBALL CLUBHOUSE

WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

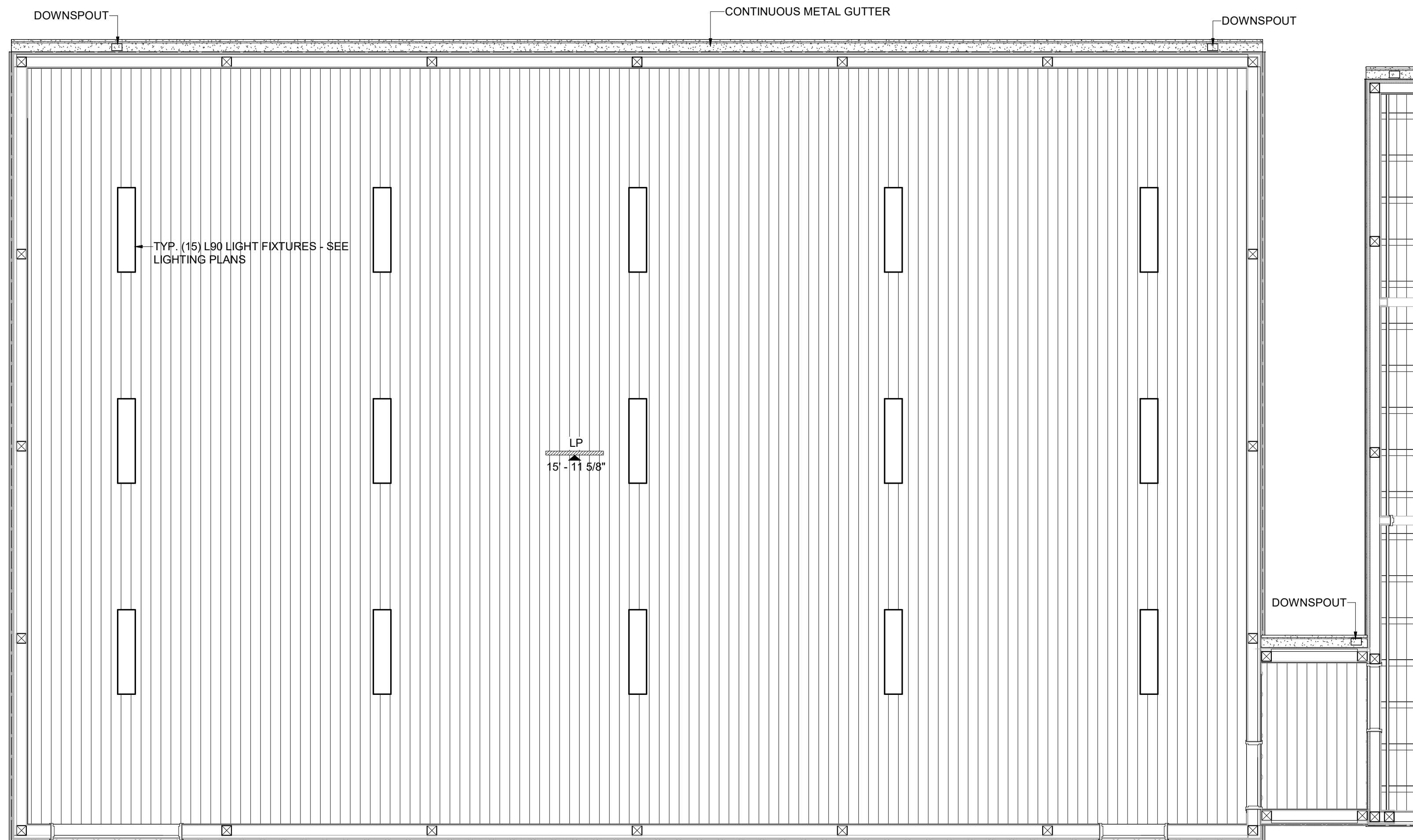
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CHECKED: PMF DATE: 12/02/2024
PROJECT No. T80-11177

RCP - CLUBHOUSE

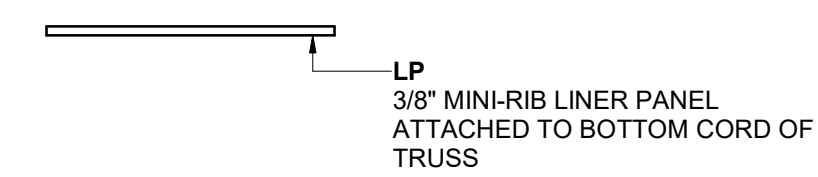
SHEET No.

A1.03

LAYOUT TAB: RCP - CLUBHOUSE
CAD FILE: Autodesk Docs://WestLibertySoftballClubhouse/T80-11177 - WL Softball Clubhouse_Plan Building 08142024.rvt
USER: OOK
FLOT DATE/TIME: 12/2/2024 3:08:52 PM

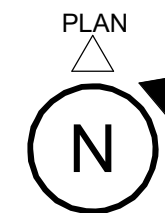


CEILING TYPE LEGEND

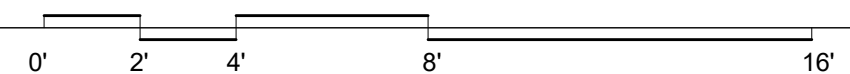


RCP LEGEND

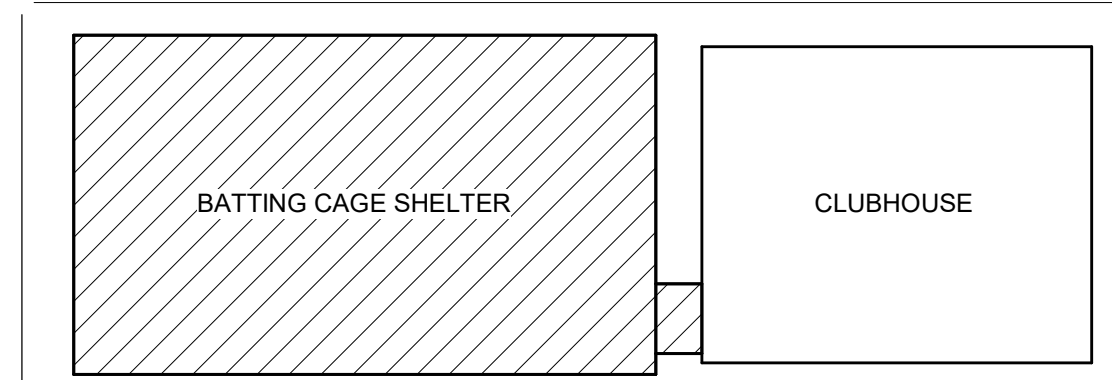
GYPSUM BOARD CEILING		CEILING MOUNTED EXHAUST	
CEILING MOUNTED LIGHTING FIXTURE		CEILING MOUNTED SUPPLY	
EXIT SIGN		CEILING MOUNTED LIGHTING FIXTURE	
ACCESS PANEL		CEILING MOUNTED HEATER	
BULK HEAD		WALLS	



1 FIRST FLOOR - BATTING CAGE SHELTER
SCALE: 1/4" = 1'-0"



KEYPLAN



SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No. T80-11177

RCP - BATTING CAGE SHELTER
SHEET No.

A1.04

USER: OOK

PLOT DATE/TIME: 12/2/2024 3:08:53 PM

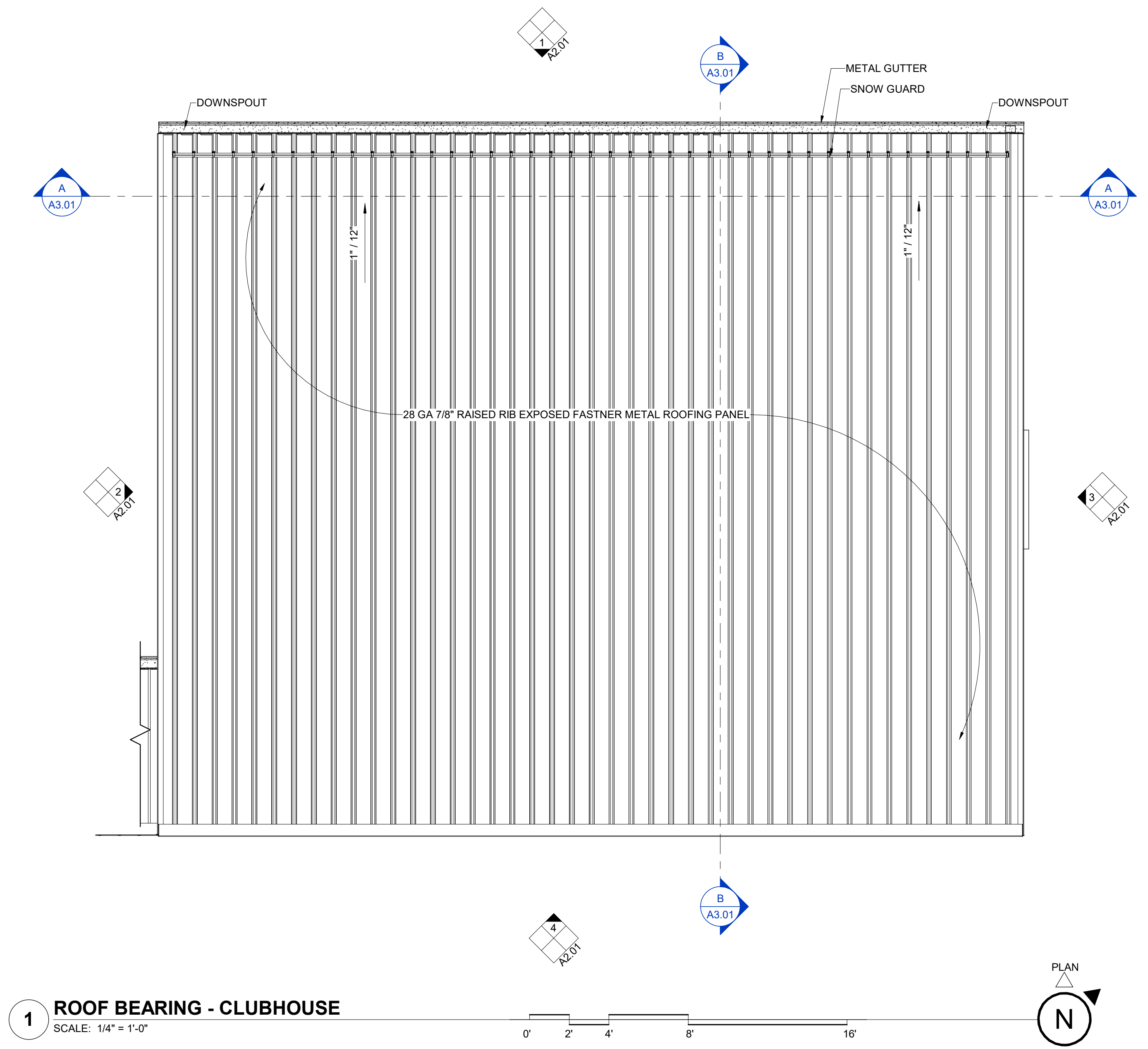
LAYOUT TAB: RCP - BATTING CAGE SHELTER
CAD FILE: Autodesk Docs://WestLibertySoftballClubhouse/T80-11177 - WL Softball Clubhouse_Plan Building 08142024.rvt



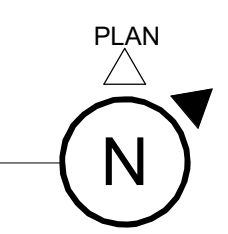
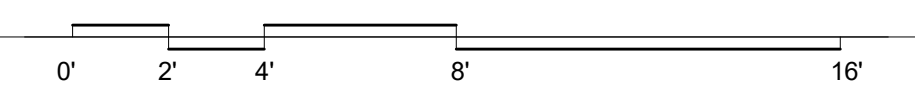
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PLOT DATE/TIME: 12/02/2024 3:08:53 PM

LAYOUT TAB: ROOF PLAN - CLUBHOUSE
CAD FILE: Autodesk Docs://WestLibertySoftballClubhouse/160-11177 - WL Softball Clubhouse - Power Building 08142024.rvt



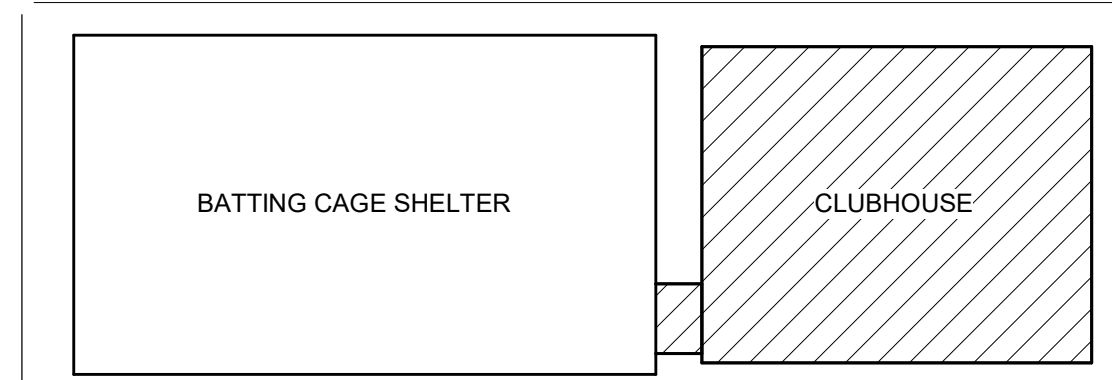
1 ROOF BEARING - CLUBHOUSE
SCALE: 1/4" = 1'-0"



ROOF NOTES

- A. Coordinate size and location of roof penetrations with mechanical and electrical.
- B. See mechanical for additional openings not shown on this plan.
- C. Provide crickets at all curbs and equipment rails set perpendicular to roof slope, which are greater than 24 inches wide.
- D. Coordinate MEP supports and penetration requirements with architectural roofing and structural drawings. Roof flashing details shown on architectural drawings take precedence over MEP drawing when a conflict exists specific to how to install roofing or sheet metal.

KEYPLAN



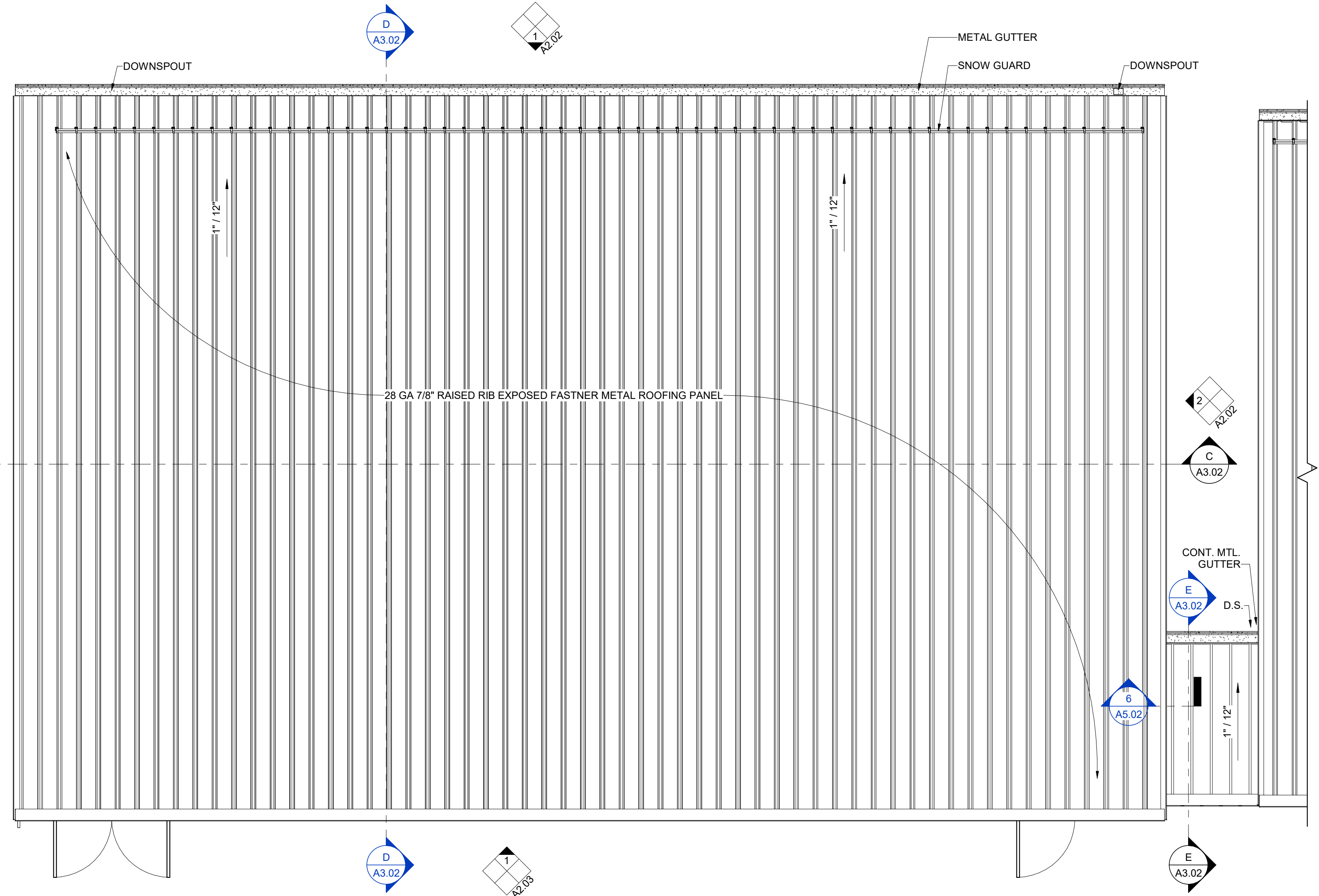
NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

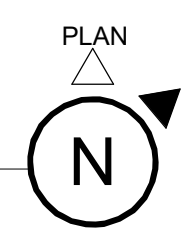
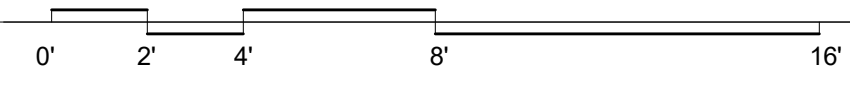
DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No. T60-11177

ROOF PLAN - CLUBHOUSE
SHEET No.

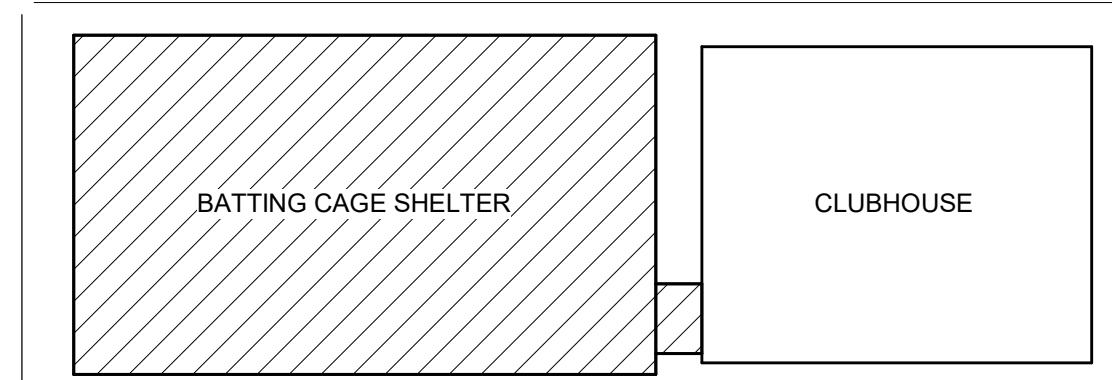
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1 ROOF BEARING - BATTING CAGE SHELTER
SCALE: 1/4" = 1'-0"



KEYPLAN



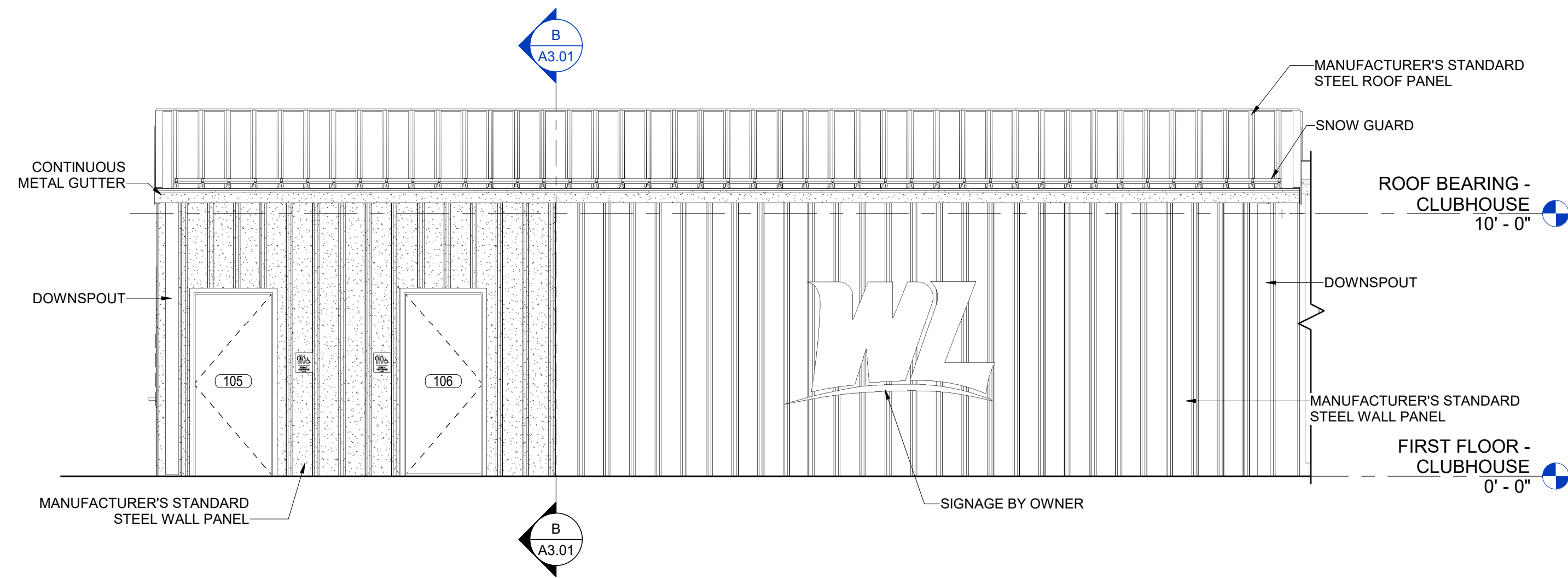
NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

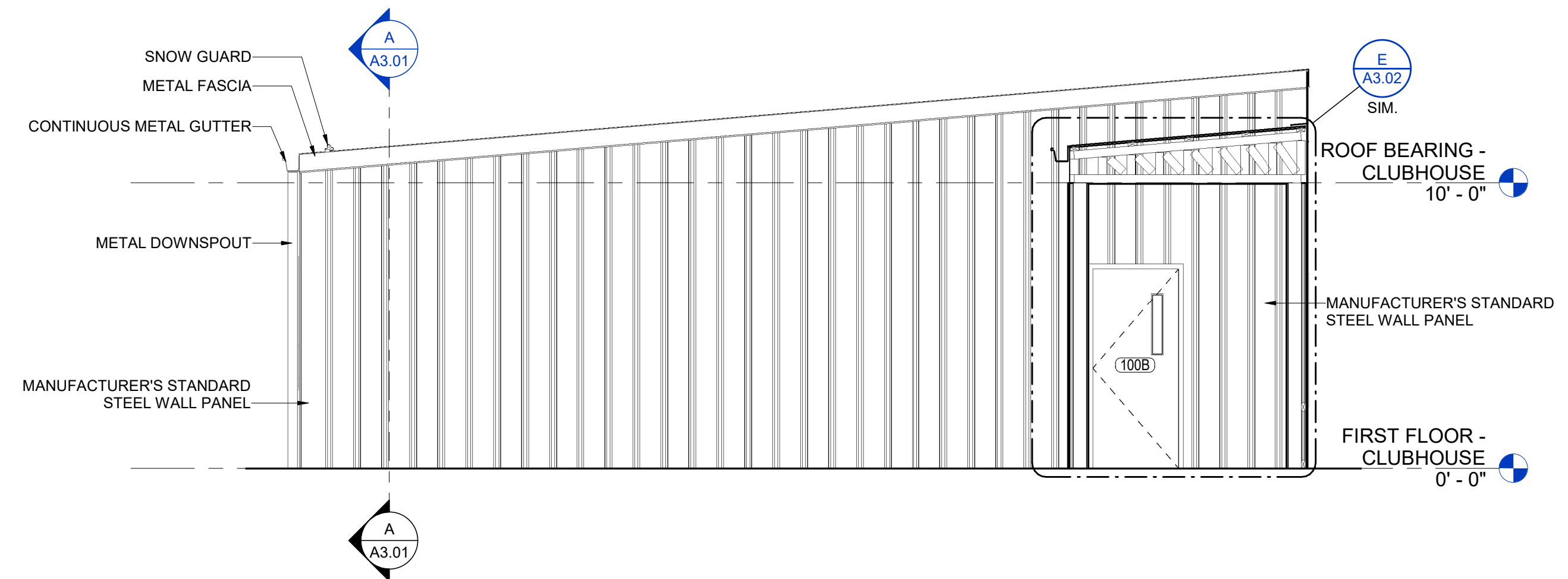
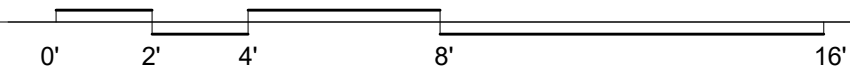
DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No. T80-11177

ROOF PLAN - BATTING CAGE SHELTER
SHEET No.

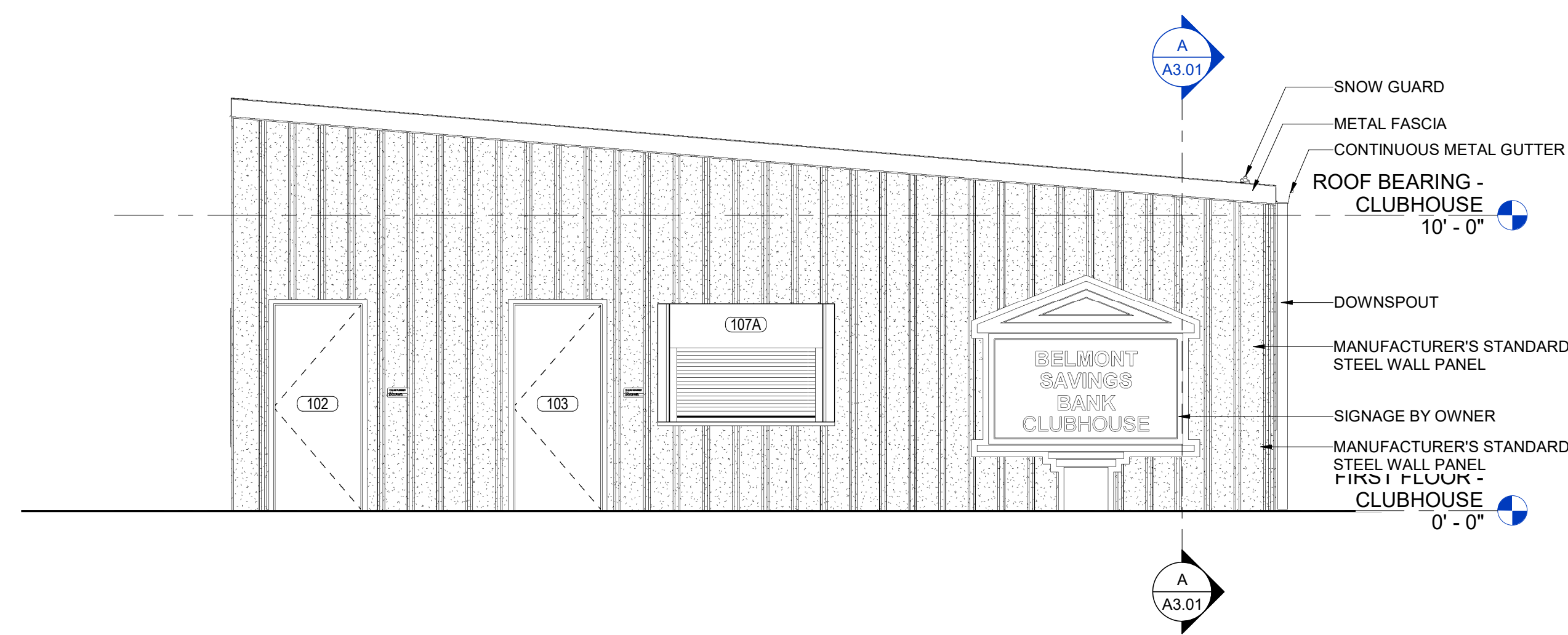
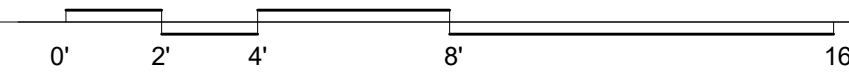
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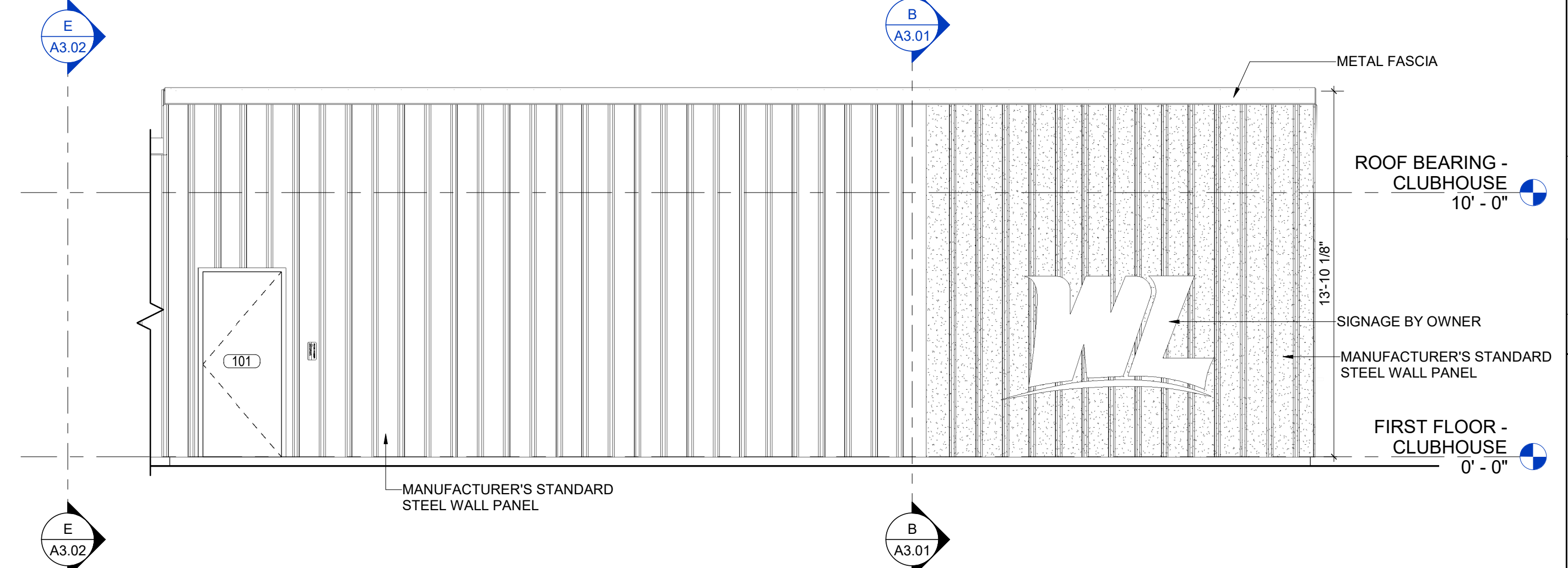
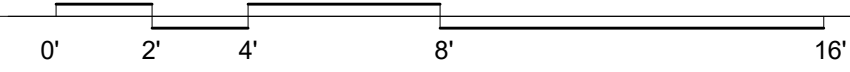
1 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



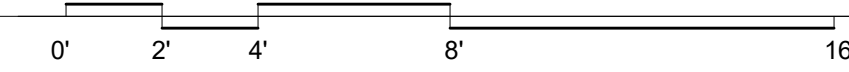
2 WEST ELEVATION
SCALE: 1/4" = 1'-0"



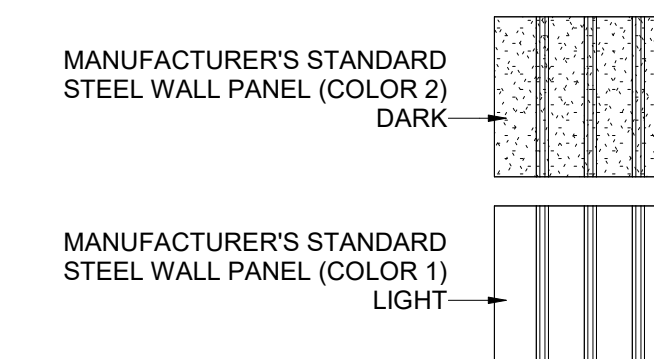
3 EAST ELEVATION
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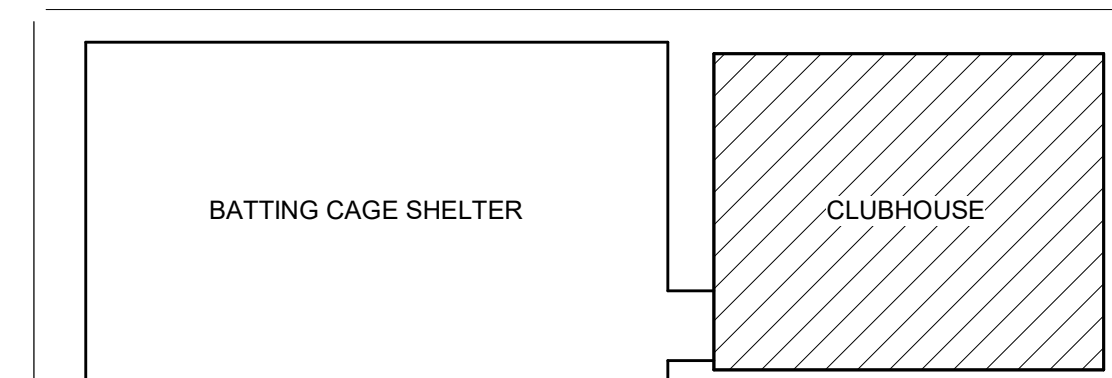
4 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



METAL WALL PANEL TYPES



KEYPLAN



NO.	BY	DATE	DESCRIPTION

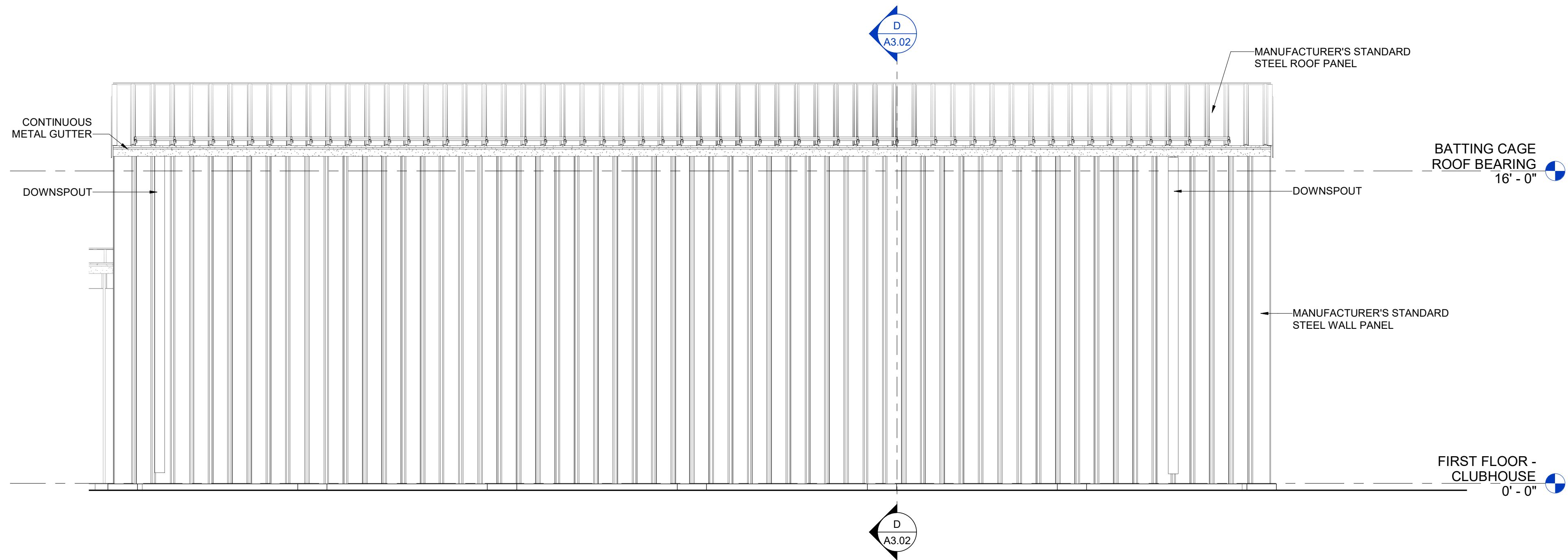
SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No. T80-11177

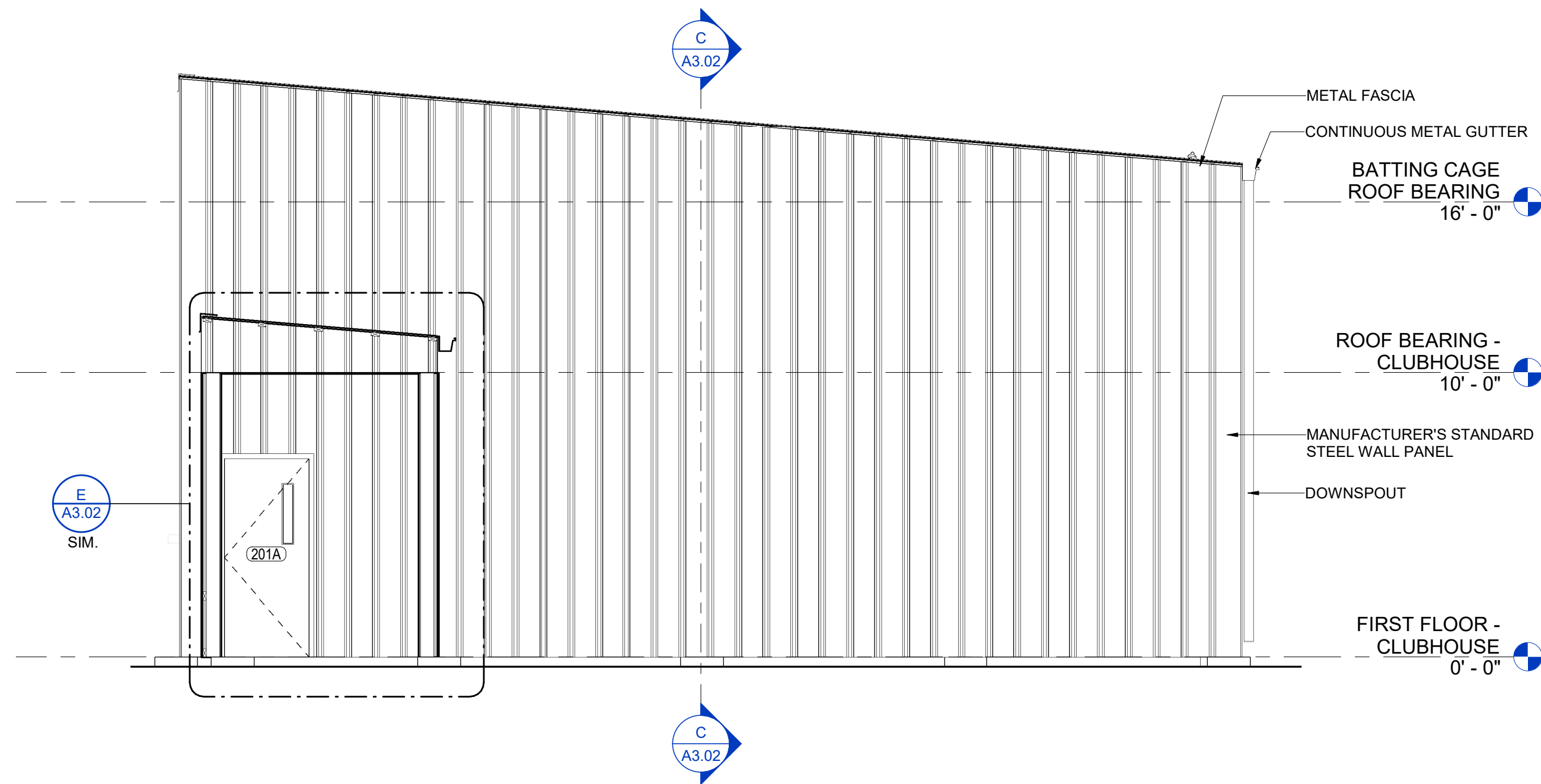
BUILDING ELEVATIONS - CLUBHOUSE

SHEET No.

A2.01

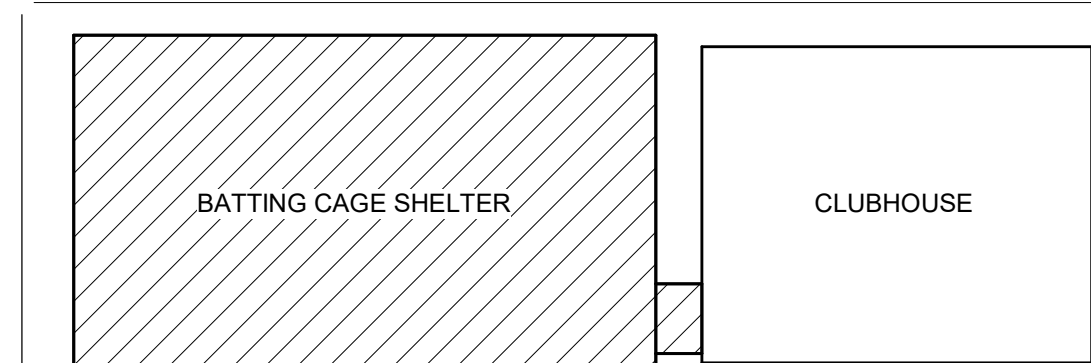


1 NORTH ELEVATION - BATTING CAGE SHELTER
SCALE: 1/4" = 1'-0"



2 EAST ELEVATION - BATTING CAGE SHELTER
SCALE: 1/4" = 1'-0"

KEYPLAN



NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

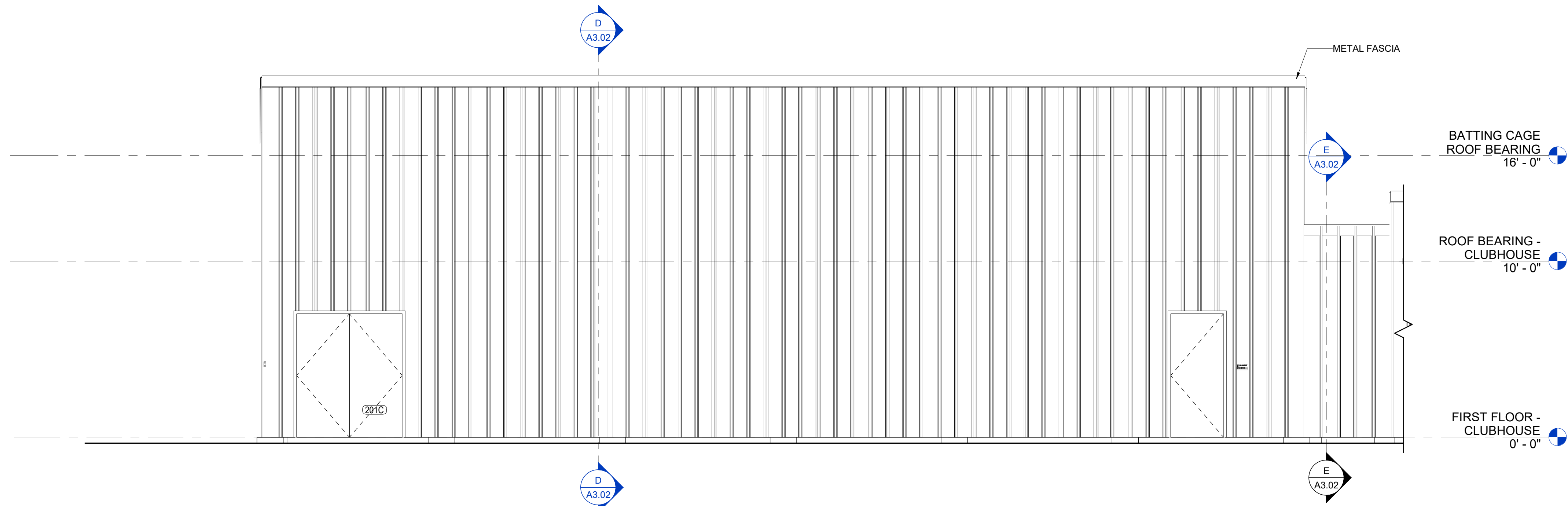
DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No.

T80-11177

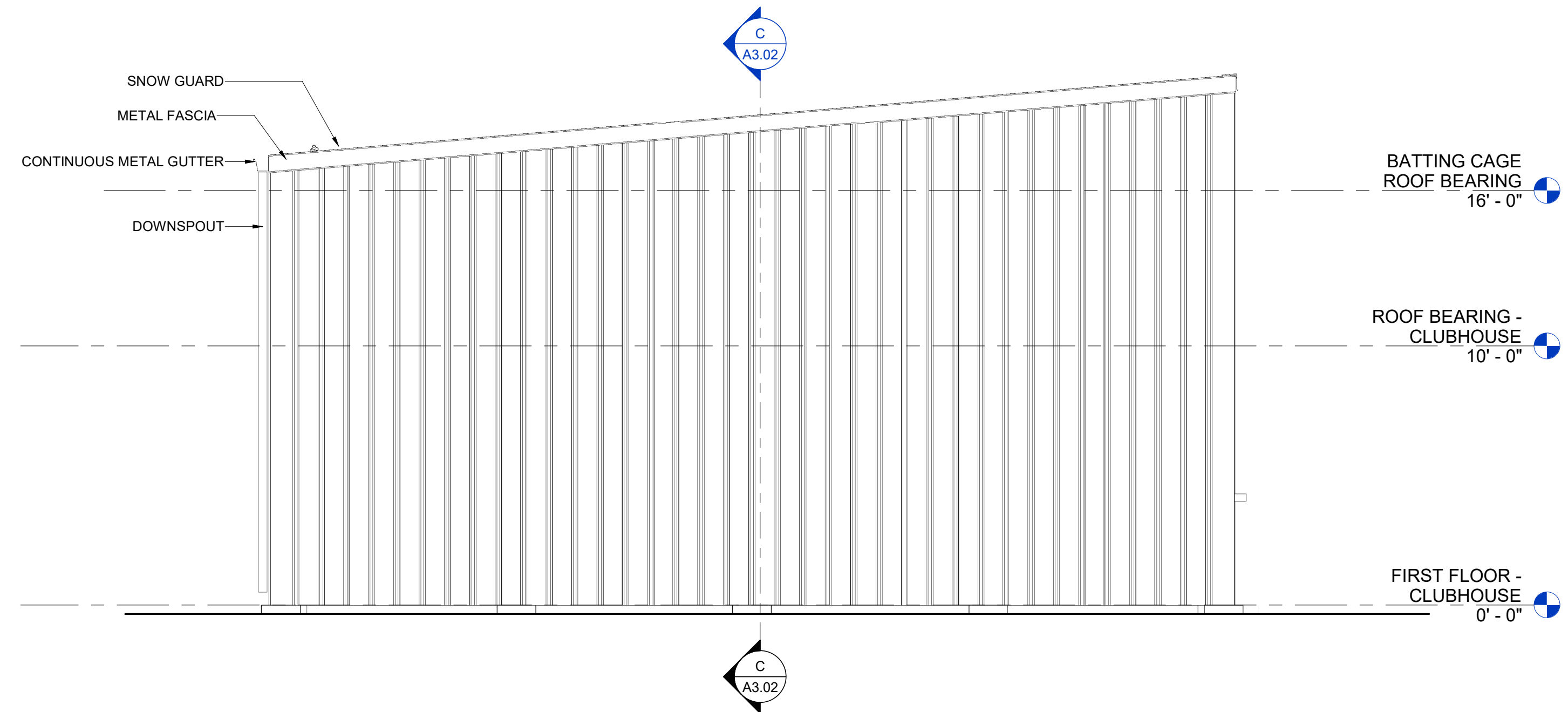
BUILDING ELEVATIONS -
BATTING CAGE
SHELTER

SHEET No.

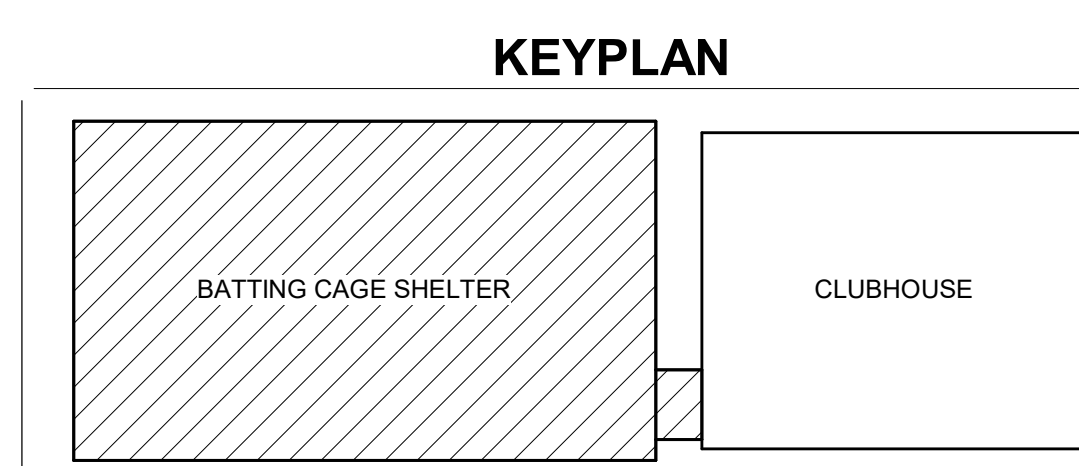
A2.02



1 SOUTH ELEVATION - BATTING CAGE SHELTER
SCALE: 1/4" = 1'-0"



2 WEST ELEVATION - BATTING CAGE SHELTER
SCALE: 1/4" = 1'-0"



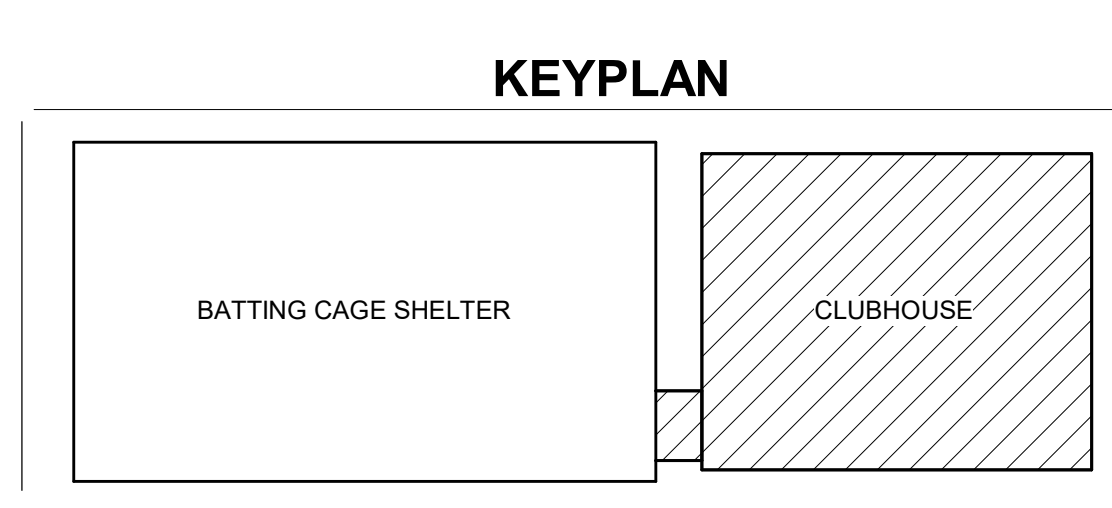
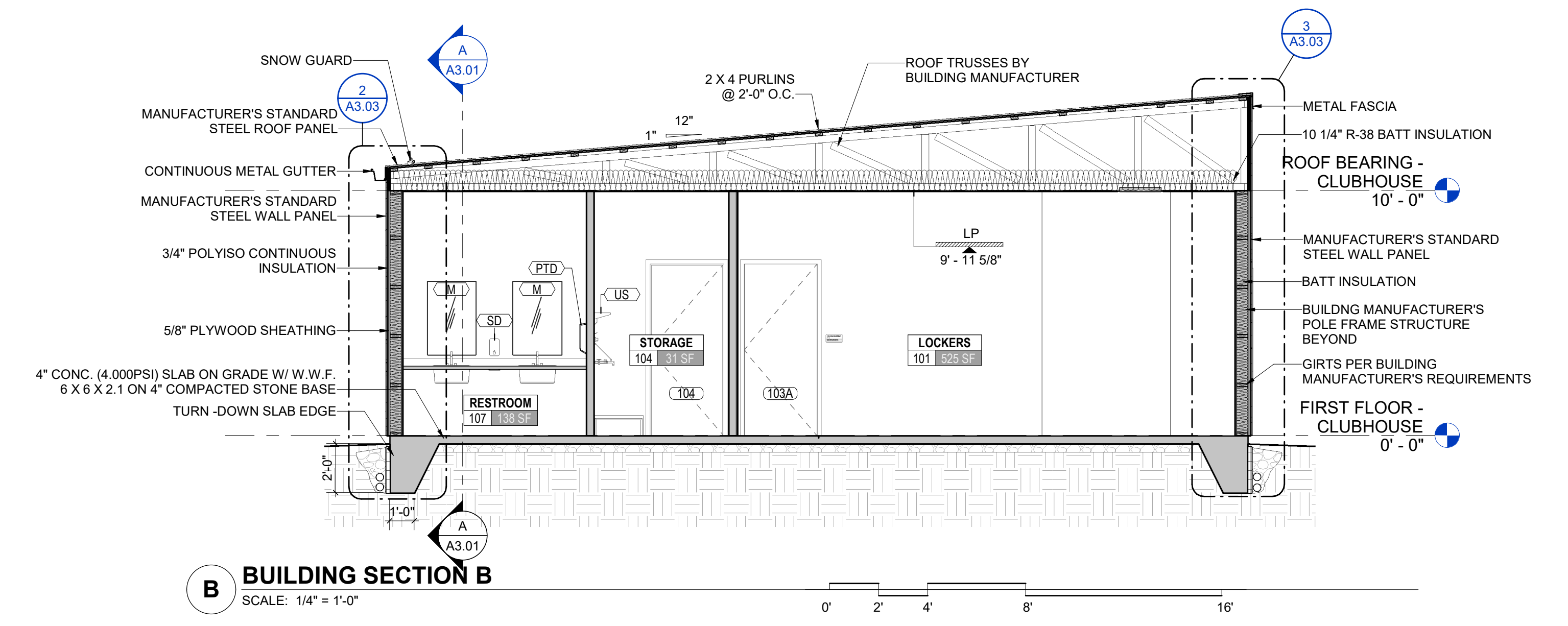
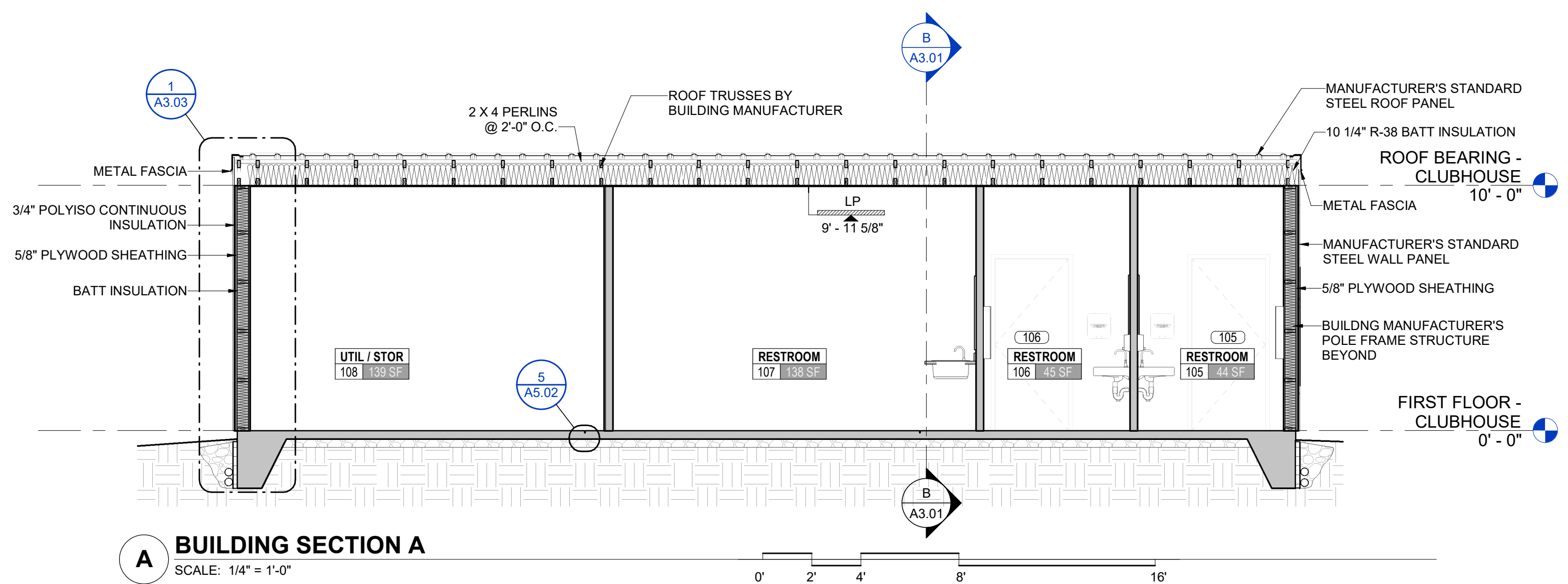
NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No. T80-11177

BUILDING ELEVATIONS -
BATTING CAGE
SHELTER
SHEET No.

A2.03



NO.	BY	DATE	DESCRIPTION

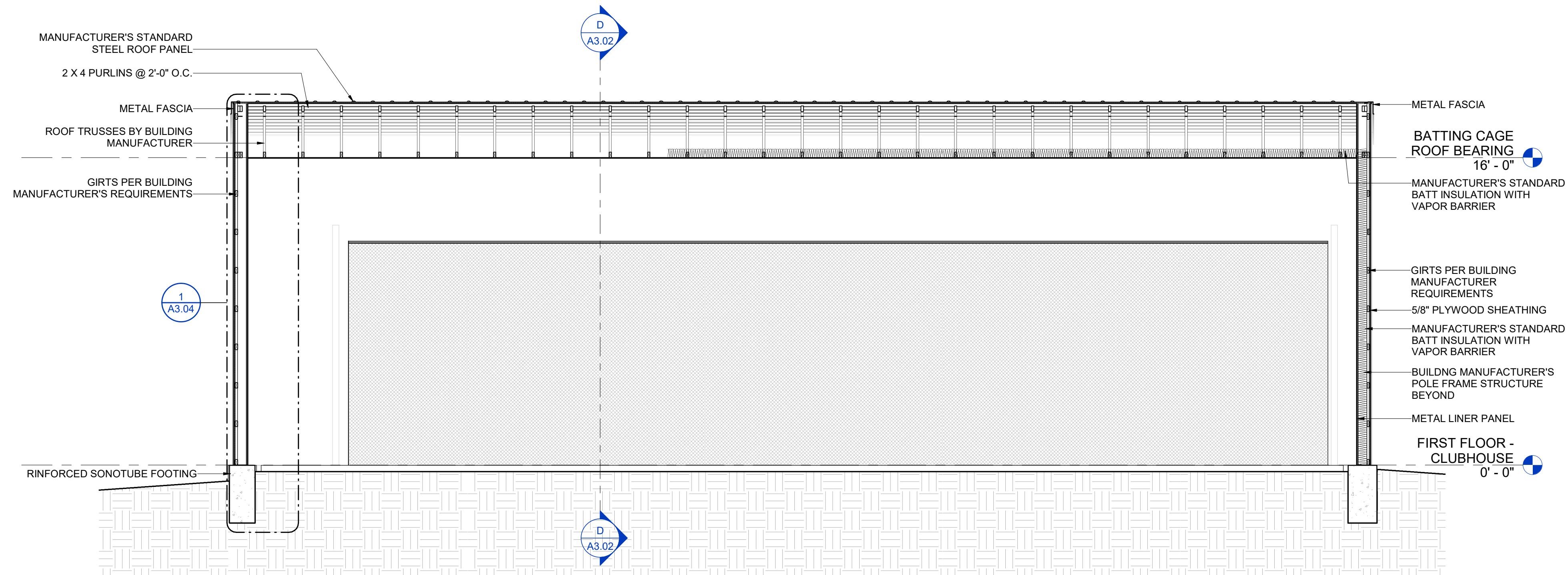
SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No. T60-11177

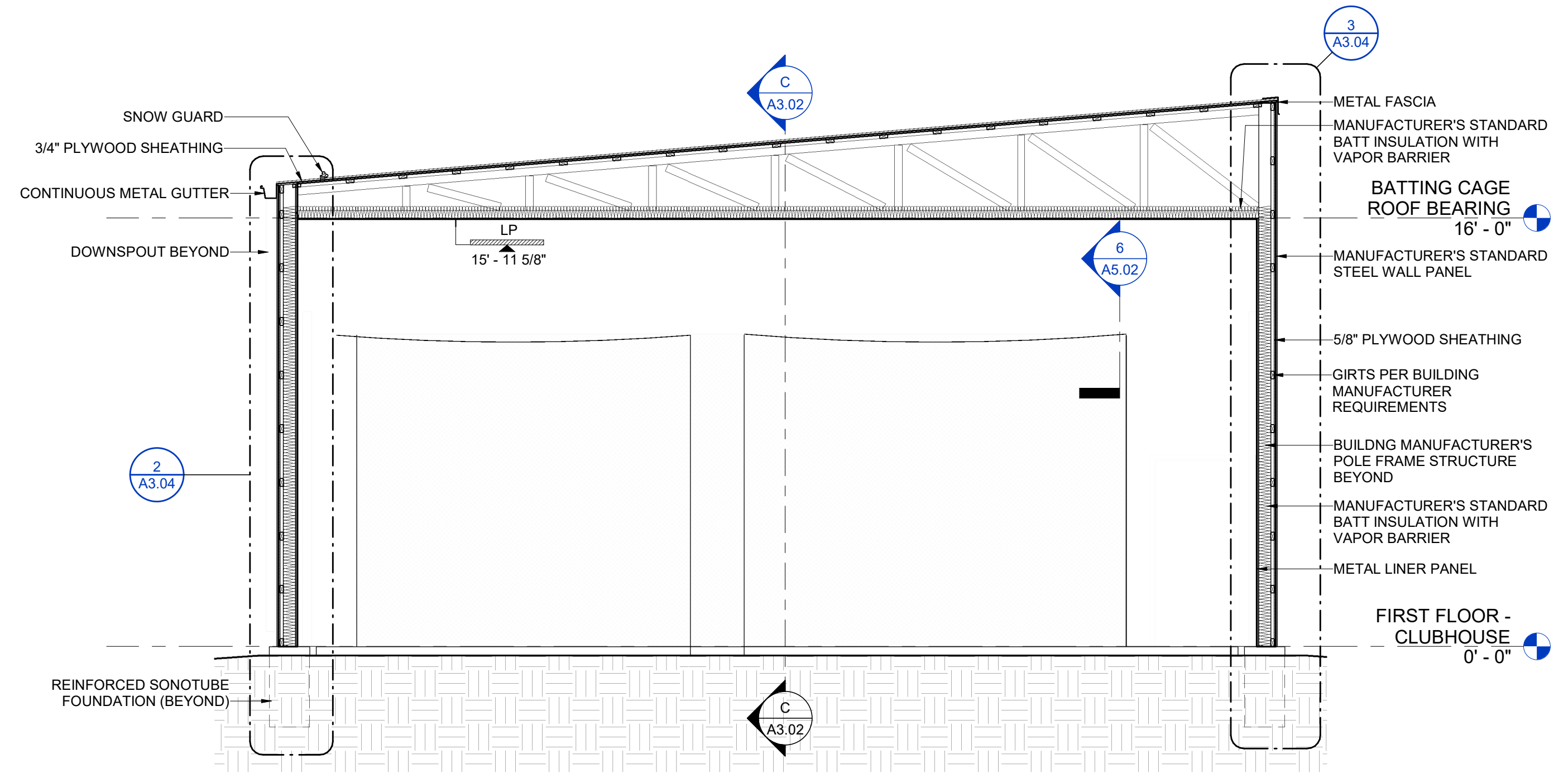
BUILDING SECTIONS - CLUBHOUSE
SHEET No.

A3.01

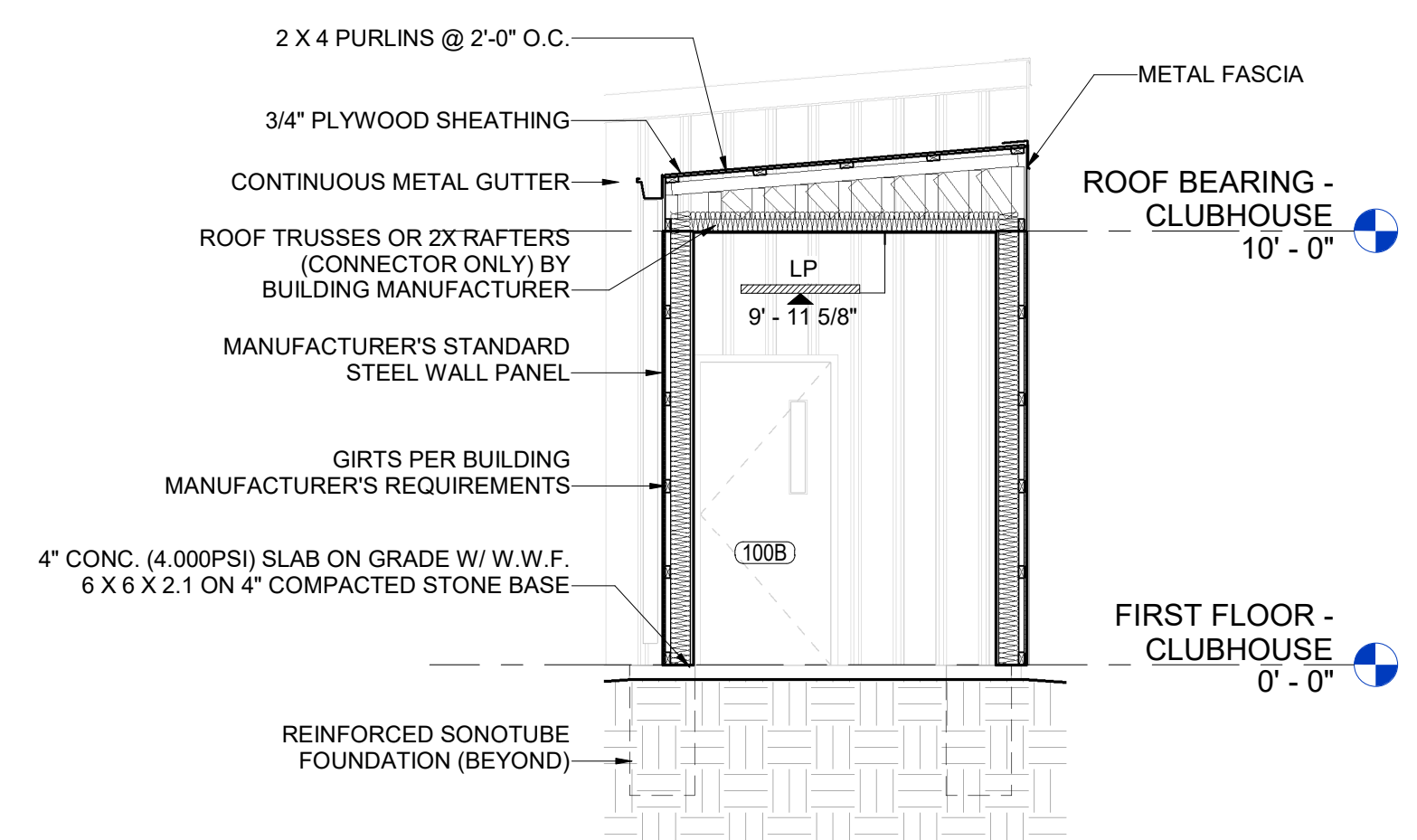
LAYOUT TAB: BUILDING SECTIONS - CLUBHOUSE
CAD FILE: Autodesk Docs://WestLibertySoftballClubhouse/T60-11177 - WL/Softball Clubhouse_Pole Building 08142024.rvt
PLOT DATE/TIME: 12/2/2024 3:07:04 PM
USER: OOK



C BUILDING SECTION C
SCALE: 1/4" = 1'-0"

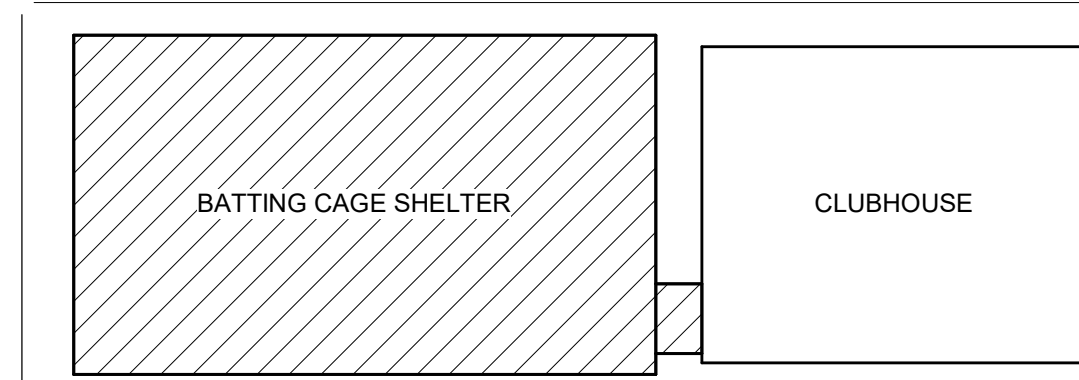


D BUILDING SECTION D
SCALE: 1/4" = 1'-0"



E BUILDING SECTION E
SCALE: 1/4" = 1'-0"

KEYPLAN



NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No. T80-11177

BUILDING SECTIONS -
BATTING CAGE
SHELTER
SHEET No.

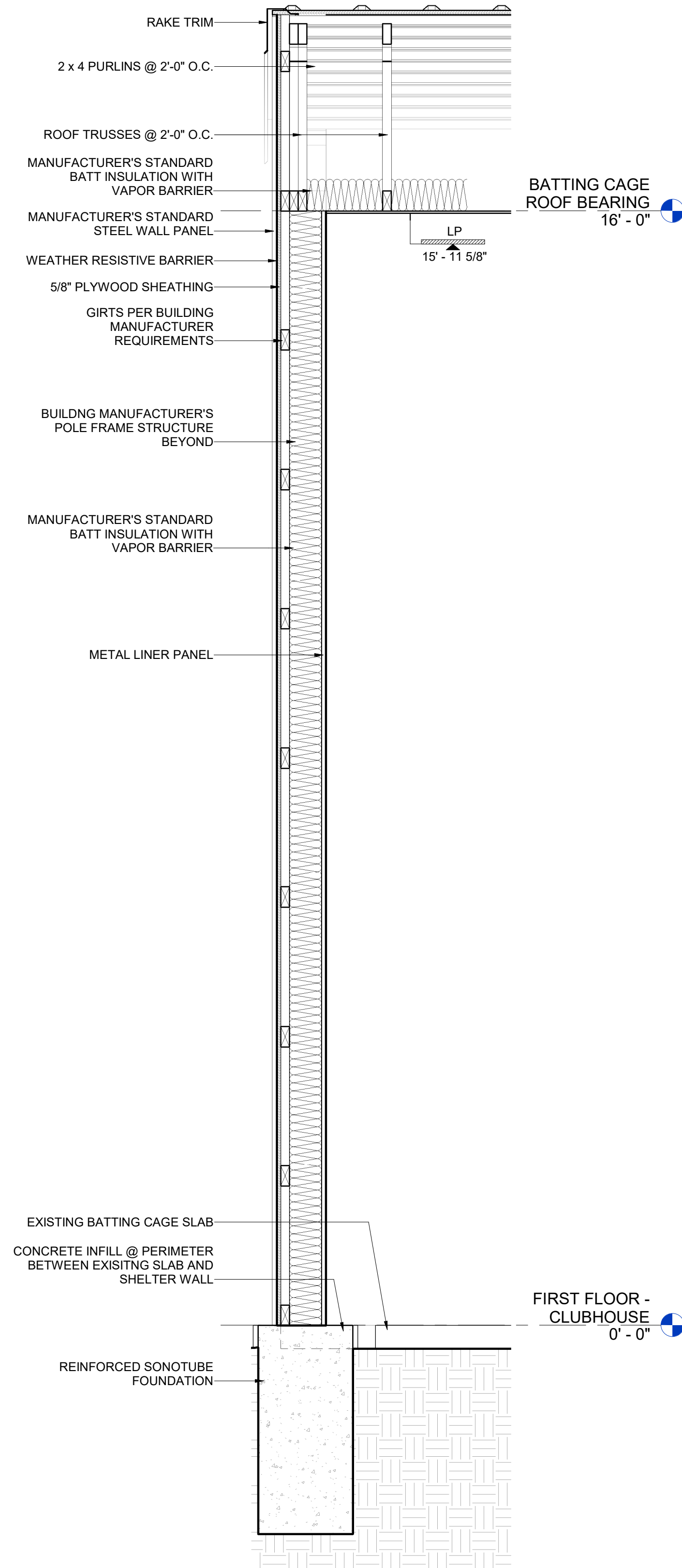
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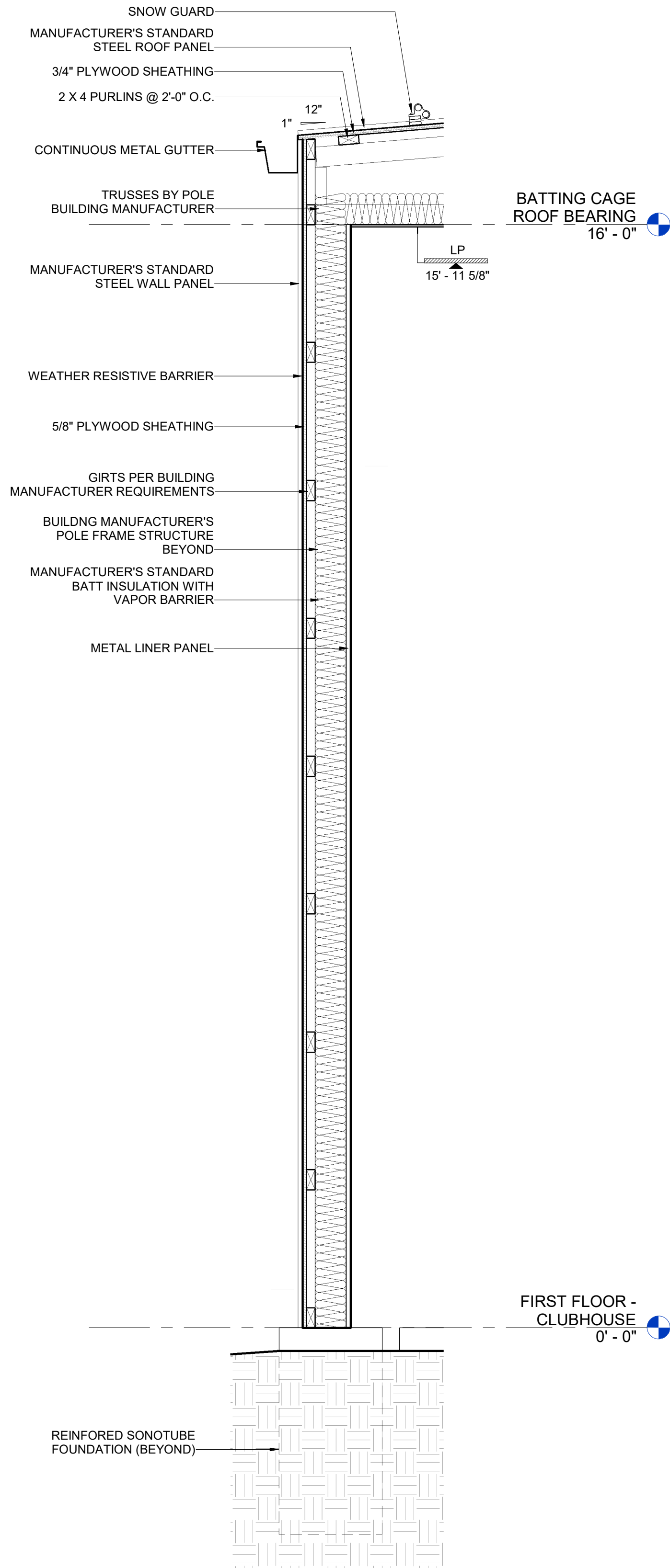


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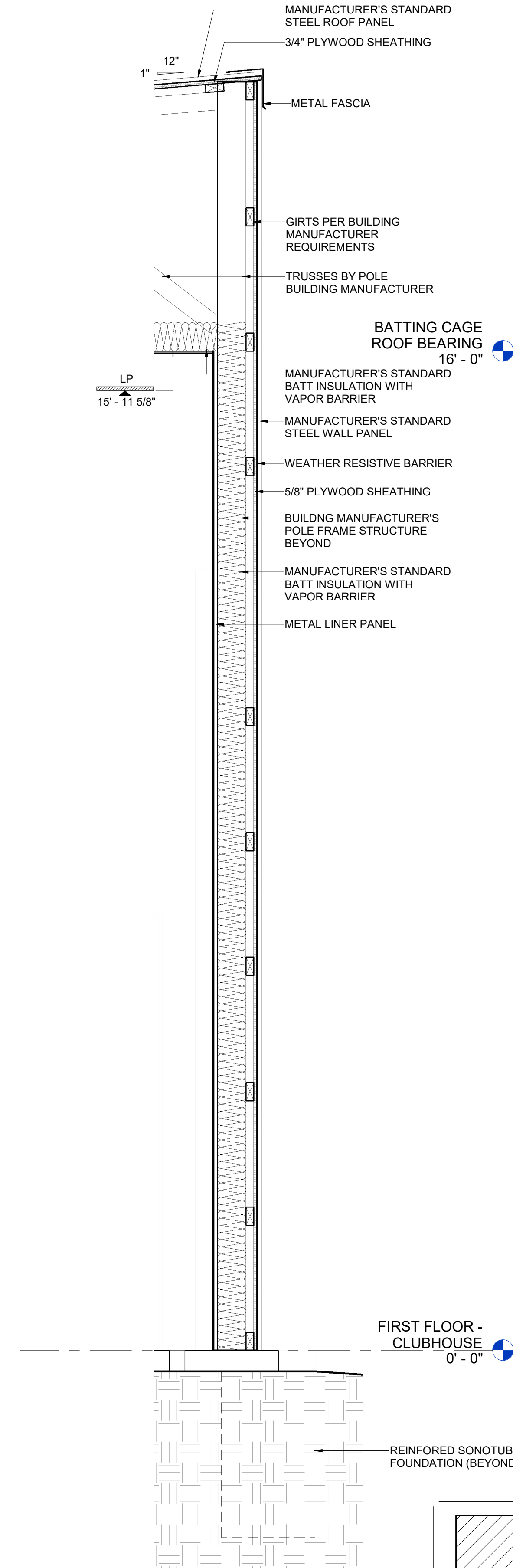
LAYOUT TAB: WALL SECTIONS - BATTING CAGE SHELTER
CAD FILE: Autodesk Docs://WestLibertySoftballClubhouse11177 - WLS Softball Clubhouse, Pole Building 08142024.rvt
PLOT DATE/TIME: 12/02/2024 3:07:18 PM



1 WALL SECTION C - RAKE WALL
SCALE: 3/4" = 1'-0"

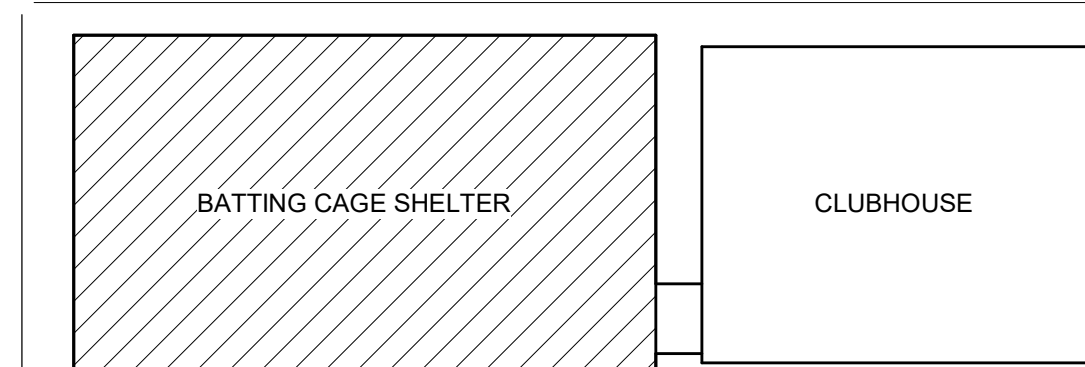


2 WALL SECTION D1 - LOW EDGE @ GUTTER
SCALE: 3/4" = 1'-0"



3 WALL SECTION D2 - @ ROOF PEAK
SCALE: 3/4" = 1'-0"

KEYPLAN



SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

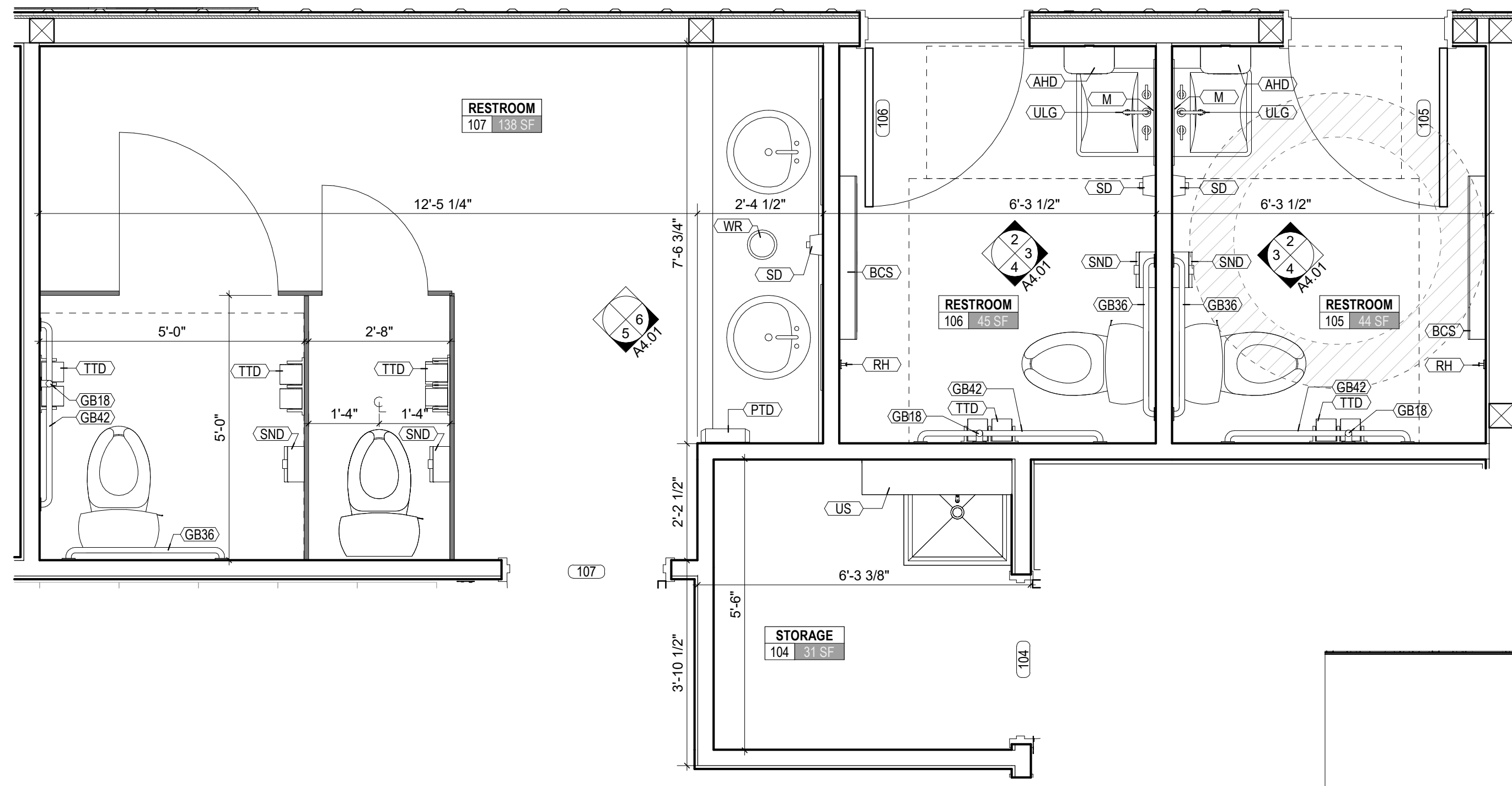
DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No. T80-11177

WALL SECTIONS -
BATTING CAGE
SHELTER
SHEET No.

A3.04

NO. BY DATE DESCRIPTION

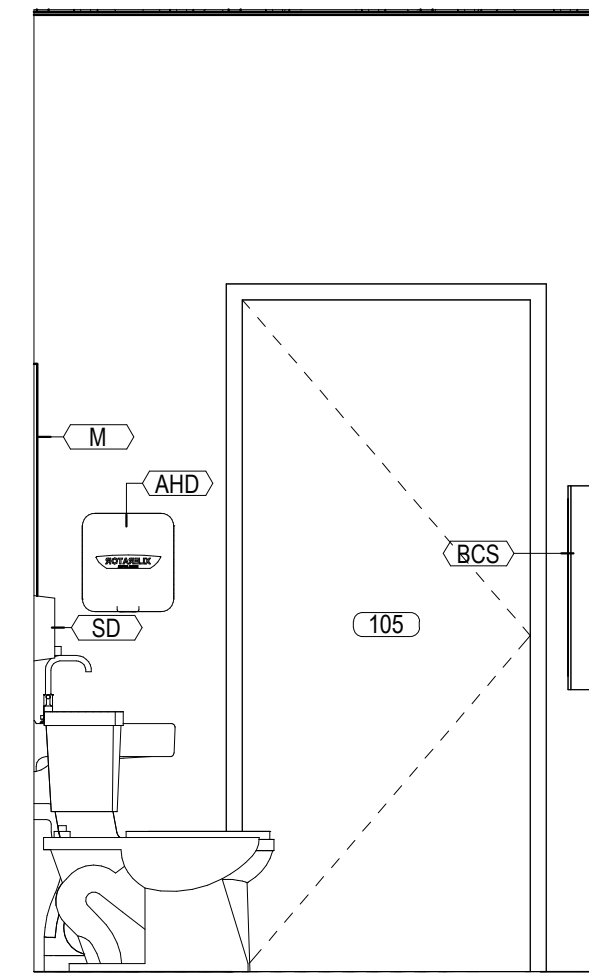
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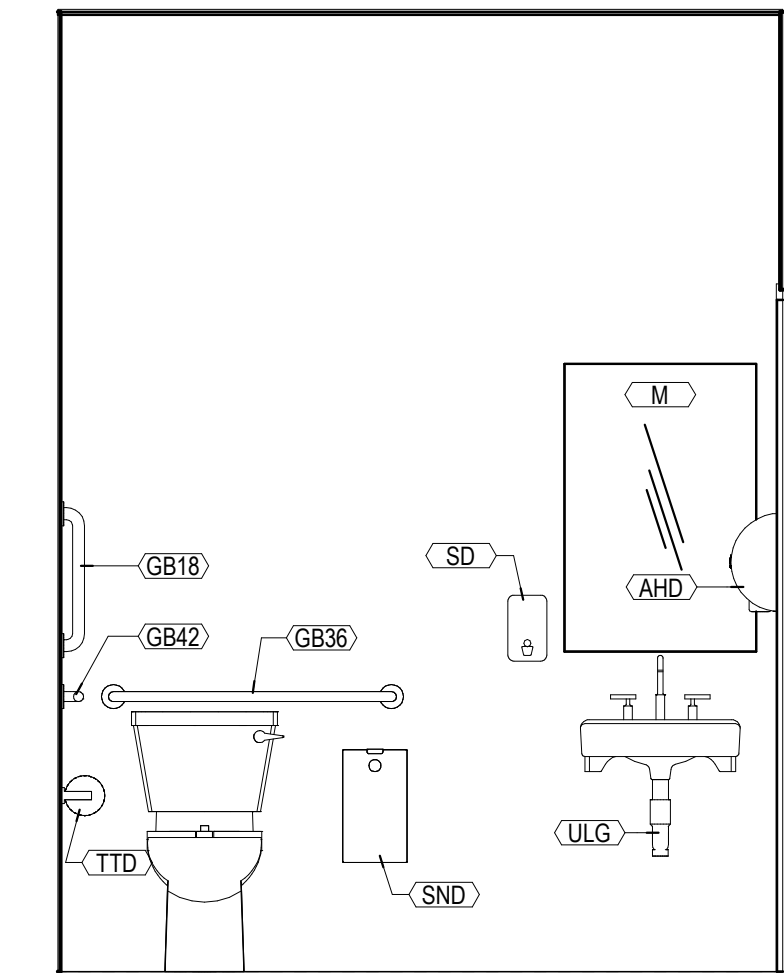
TOILET, BATH, AND LAUNDRY...

MARK	DESCRIPTION
AHD	AUTOMATIC HAND DRYER
BCS	BABY CHANGING STATION - SURFACE MOUNTED
GB18	18" VERTICALLY PLACED GRAB BAR
GB36	36" HORIZONTALLY PLACED GRAB BAR
GB42	42" HORIZONTALLY PLACED GRAB BAR
M	MIRROR
PTD	PAPER TOWEL DISPENSER
RH	ROBE HOOK
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TTD	TOILET TISSUE DISPENSER
ULG	UNDER LAVATORY GUARD
US	34" UTILITY SHELF
WR	6" WASTE RECEPTACLE

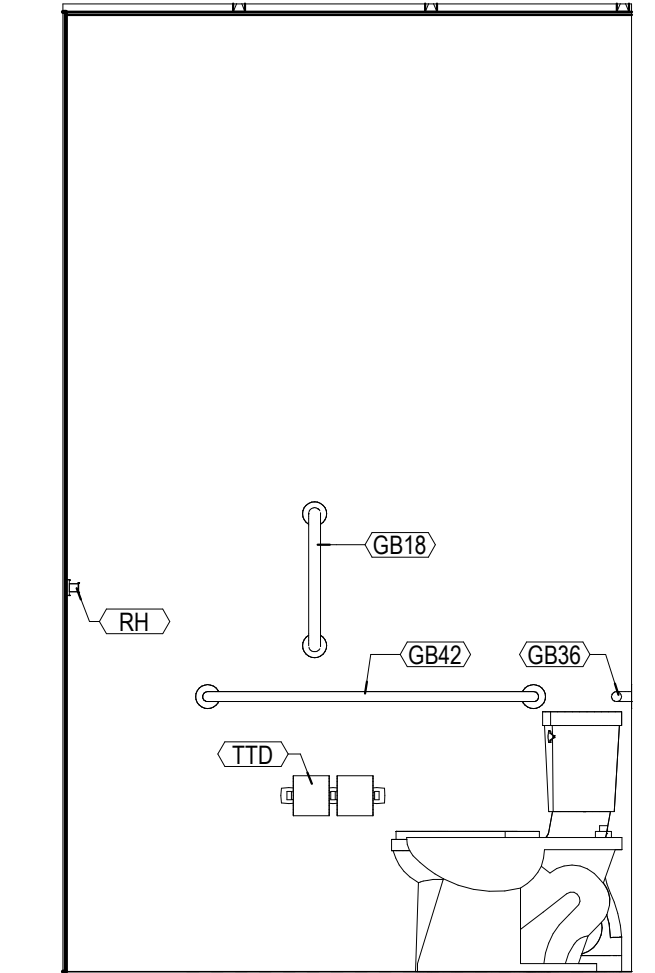
1 ENLARGED RESTROOM PLAN
SCALE: 1/2" = 1'-0"



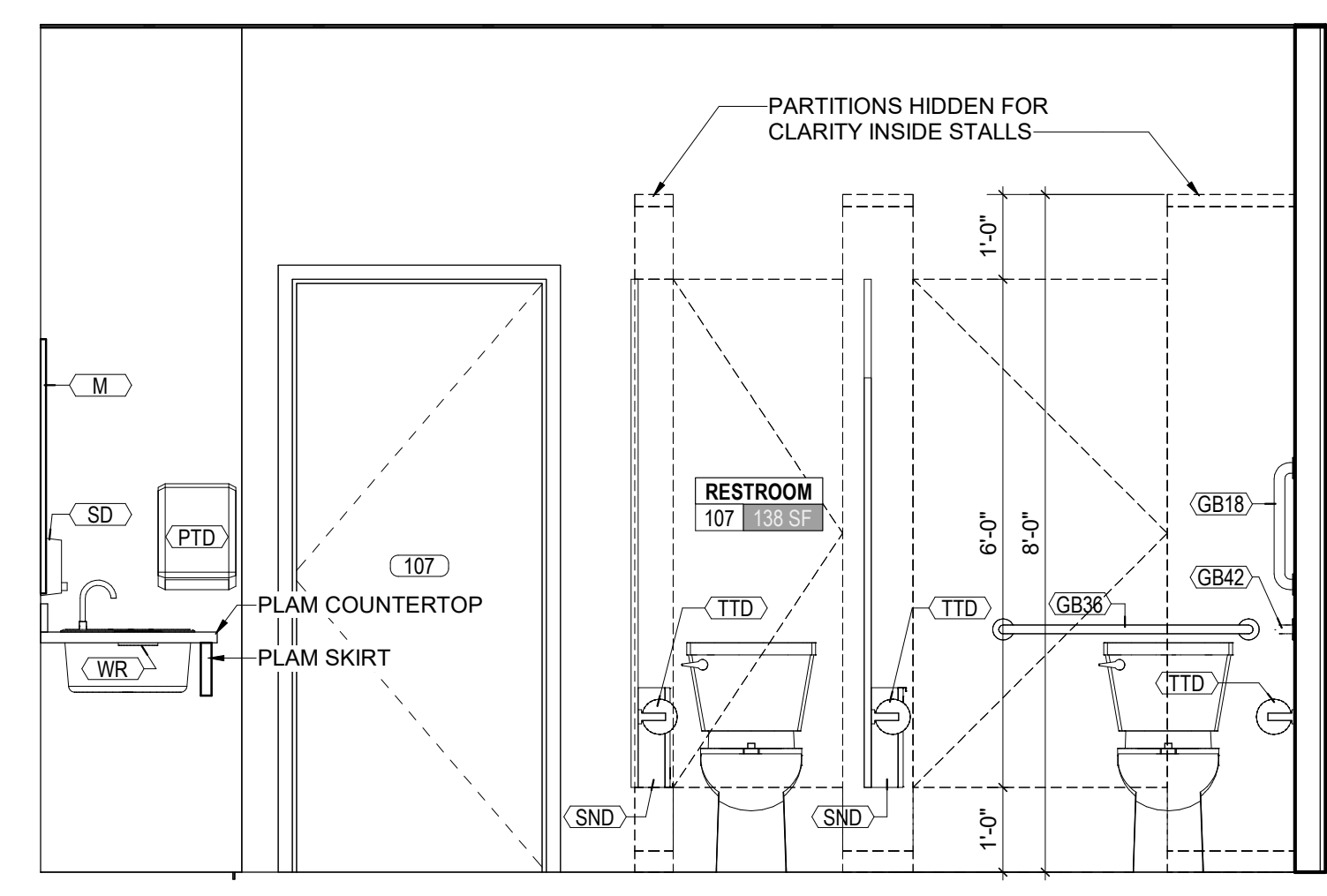
2 PUBLIC RESTROOM
SCALE: 1/2" = 1'-0"



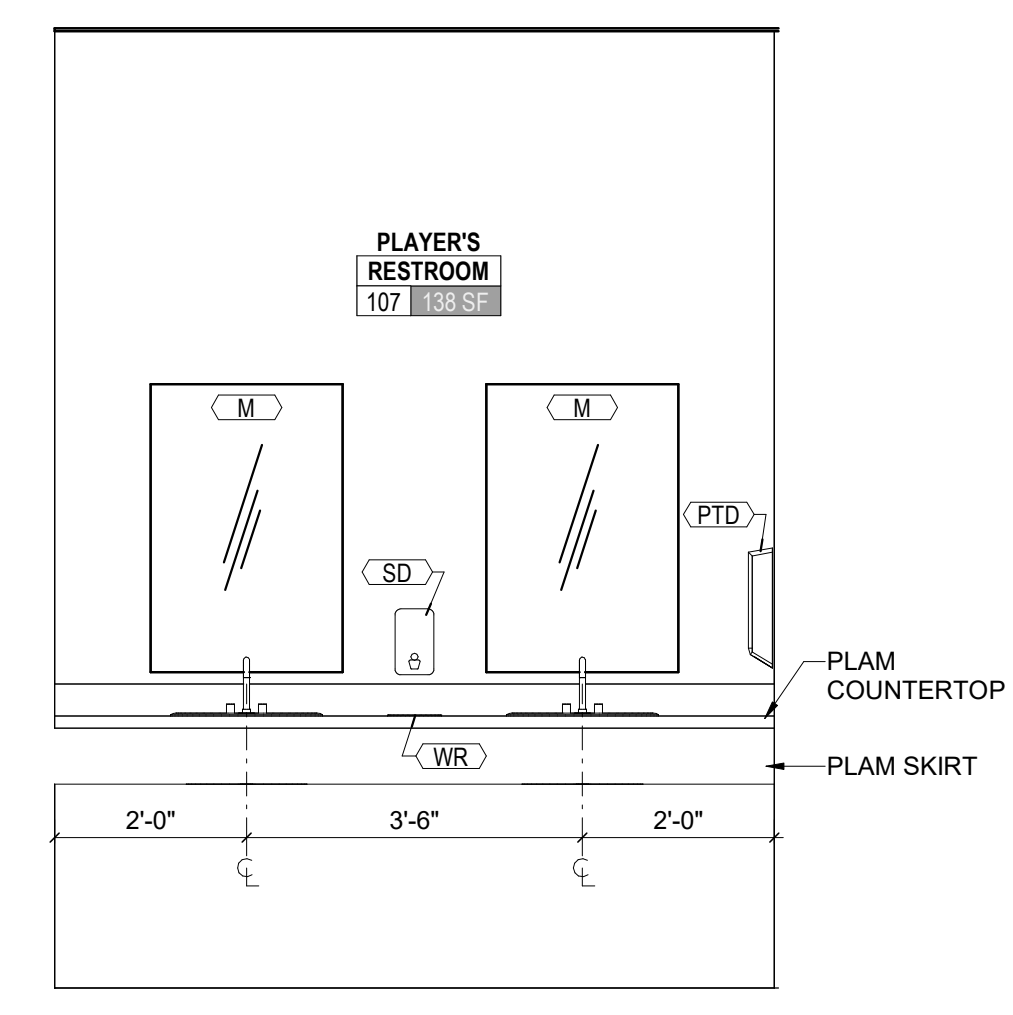
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SCALE: 1/2" = 1'-0"



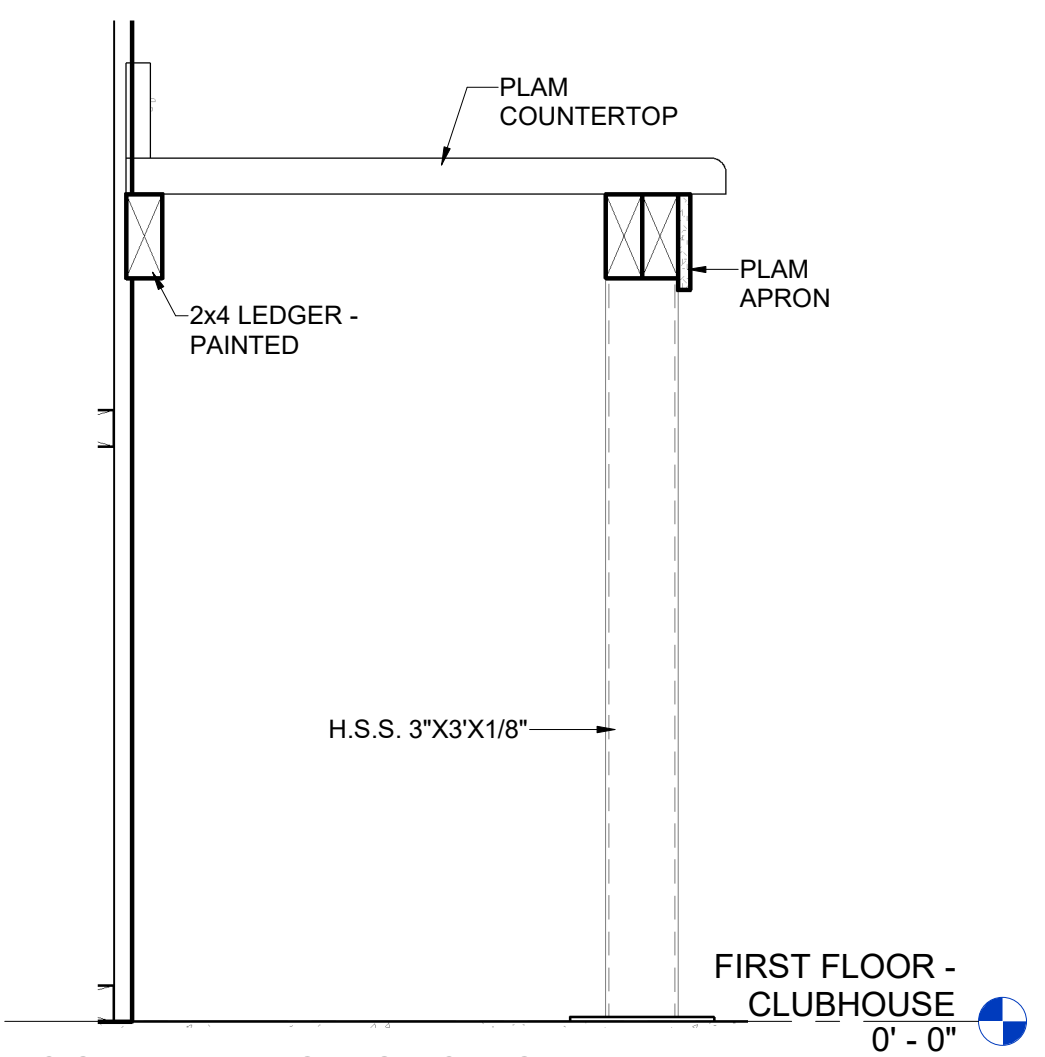
4 PUBLIC RESTROOM
SCALE: 1/2" = 1'-0"



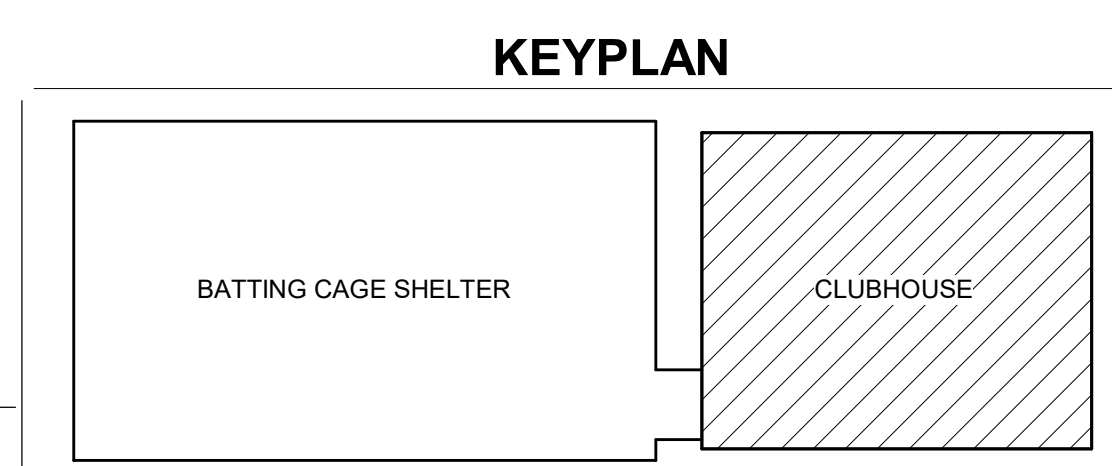
5 RESTROOM ELEVATION - SOUTH
SCALE: 1/2" = 1'-0"



6 RESTROOM ELEVATION - EAST
SCALE: 1/2" = 1'-0"



7 COUNTERTOP SECTION
SCALE: 1 1/2" = 1'-0"



SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
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DECEMBER 2, 2024
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PROJECT No. T80-11177
ENLARGED PLAN VIEWS & INT. ELEVATIONS
SHEET No.

LAYOUT TAB: ENLARGED PLAN VIEWS & INT. ELEVATIONS
CAD FILE: Autodesk Docs://WestLibertySoftballClubhouse/T80-11177 - WLU Softball Clubhouse_Plan Building 08142024.rvt
PLOT DATE/TIME: 12/2/2024 3:07:19 PM
USER: OOK

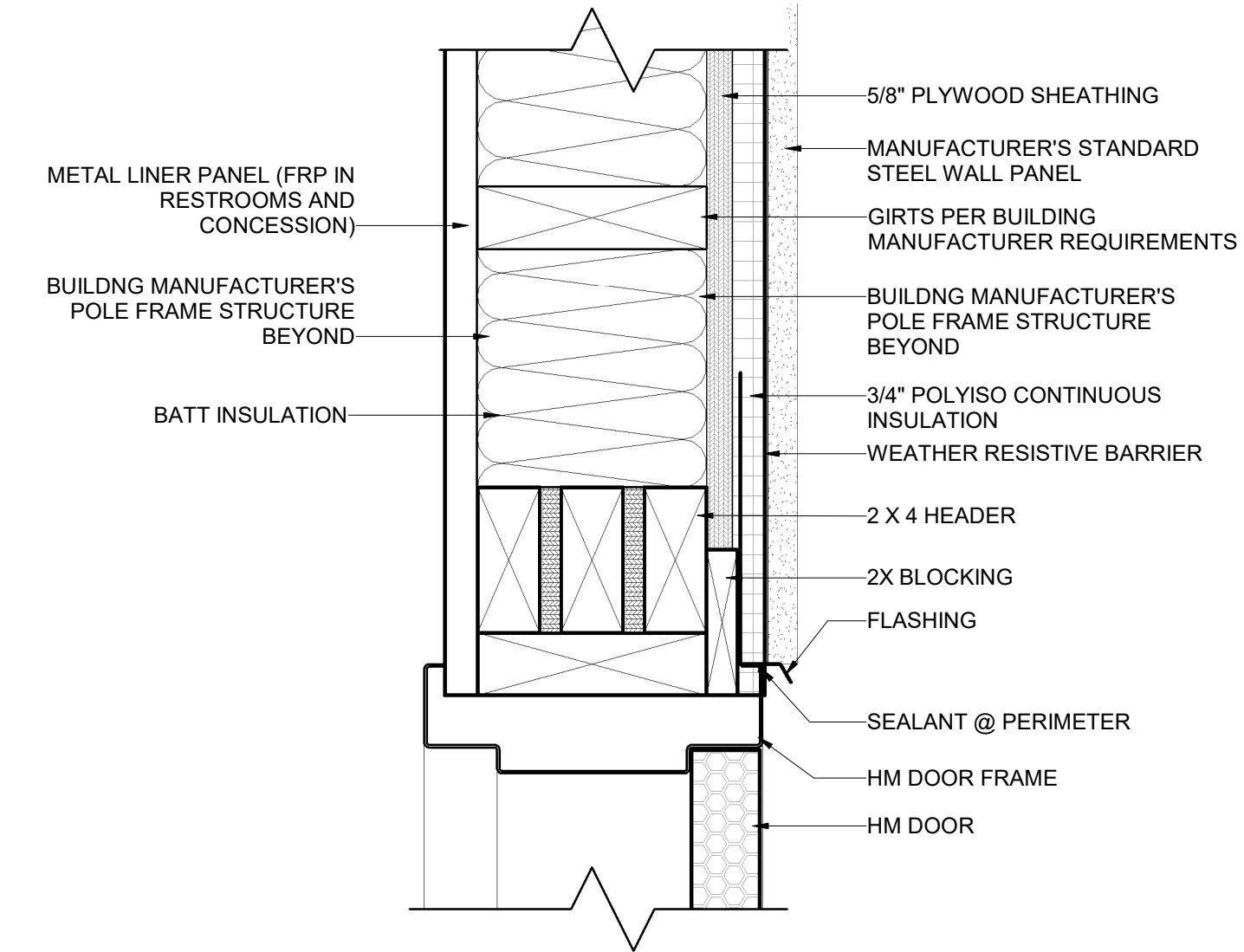
NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

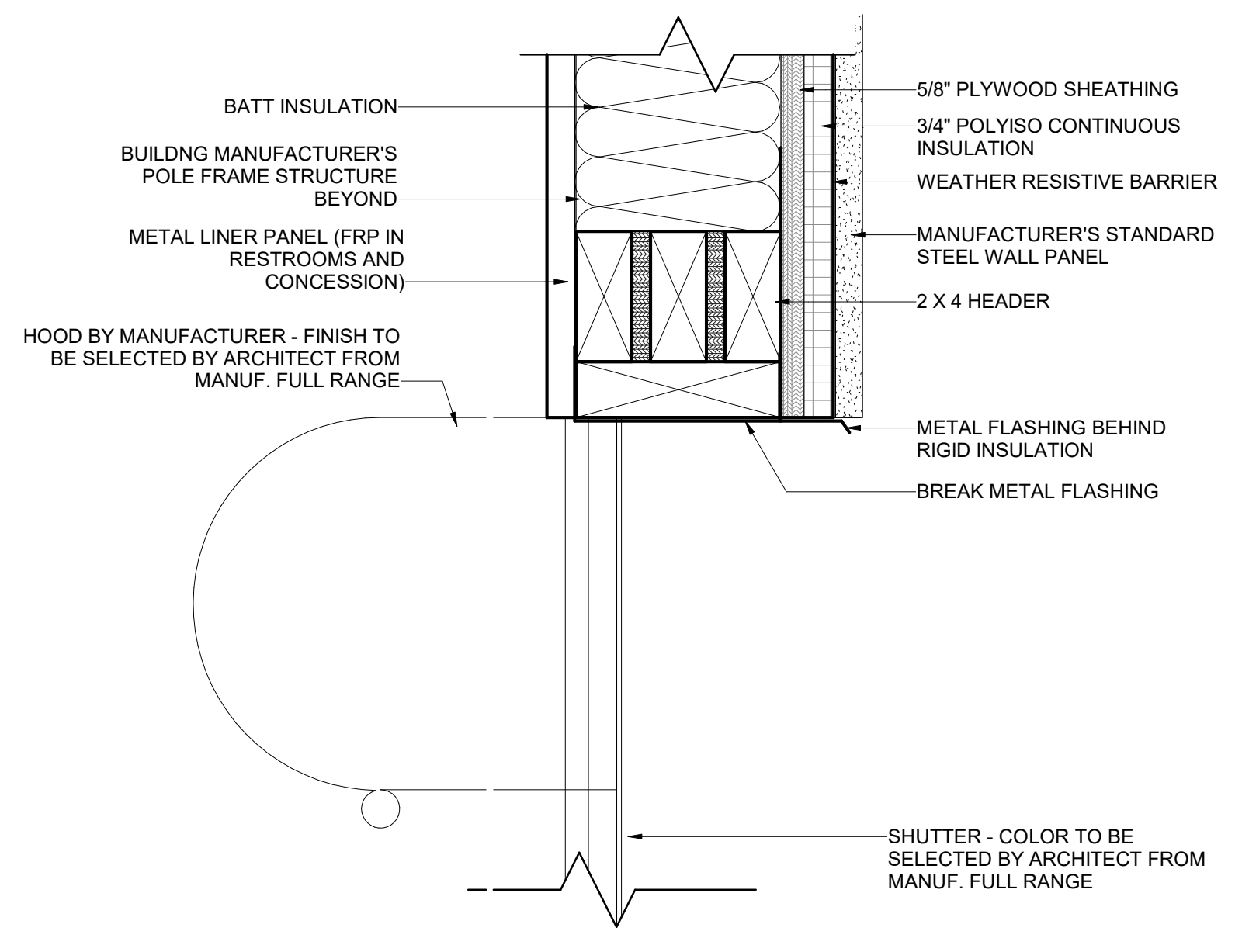
DRAWN: OOK DATE: 12/02/2024
CHECKED: PMF DATE: 12/02/2024
PROJECT No. T80-11177

DOOR DETAILS

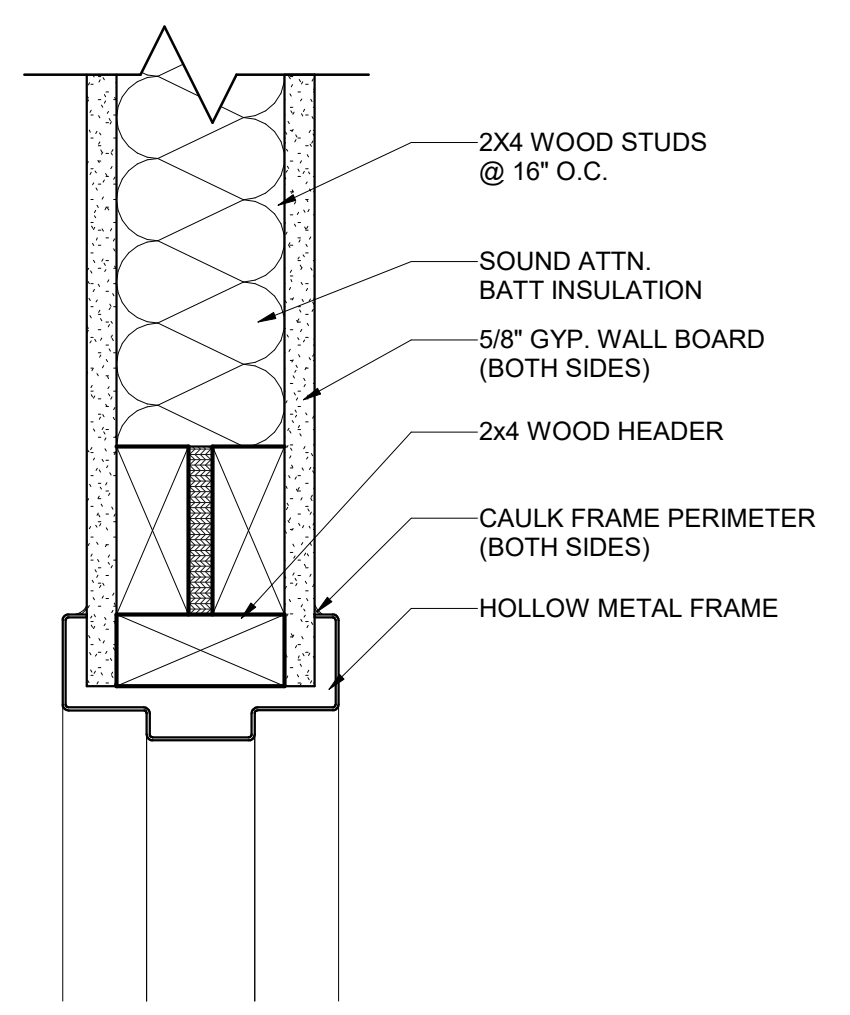
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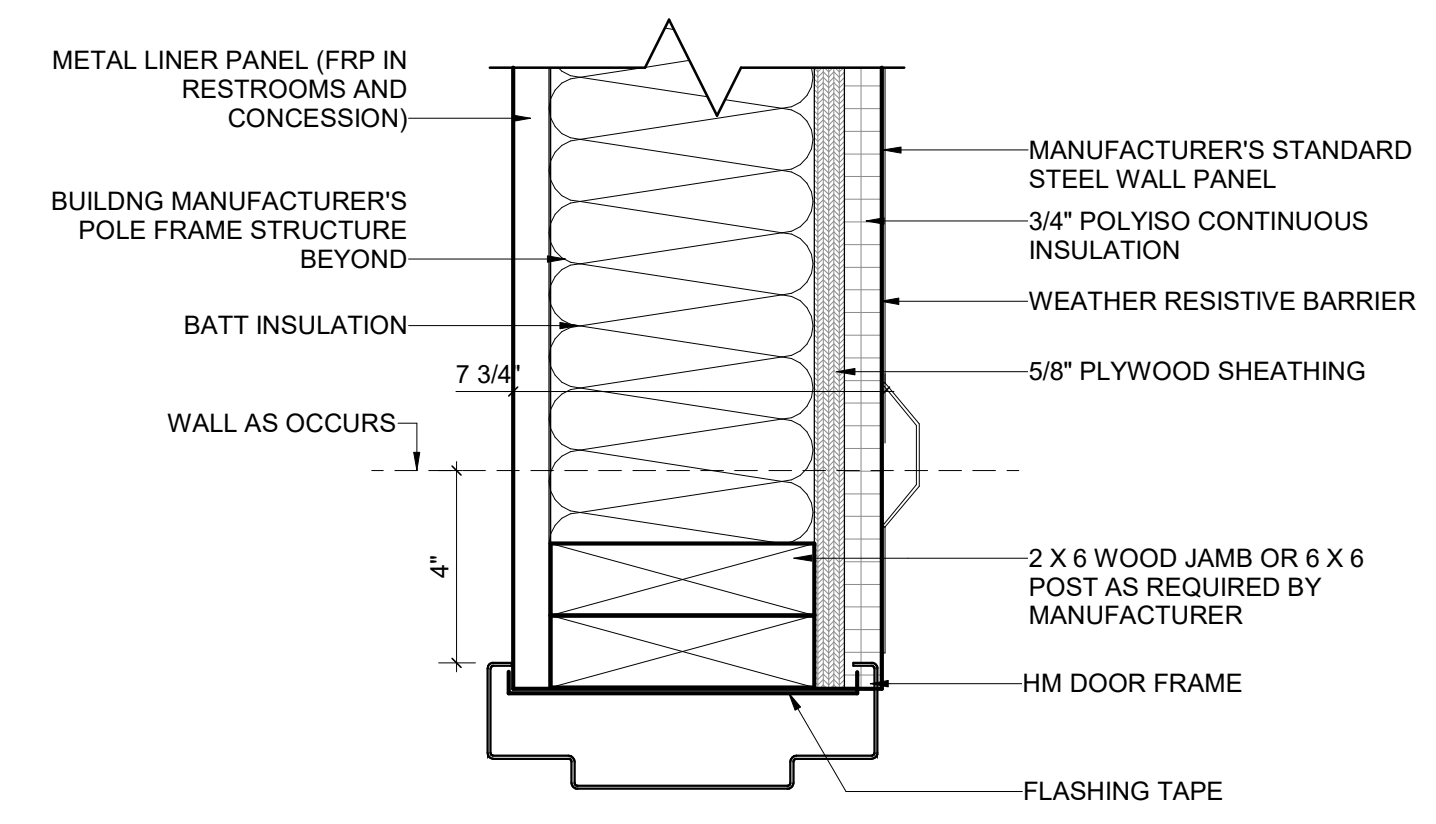
H2 EXT. WOOD FRAMED HEAD
SCALE: 3" = 1'-0"



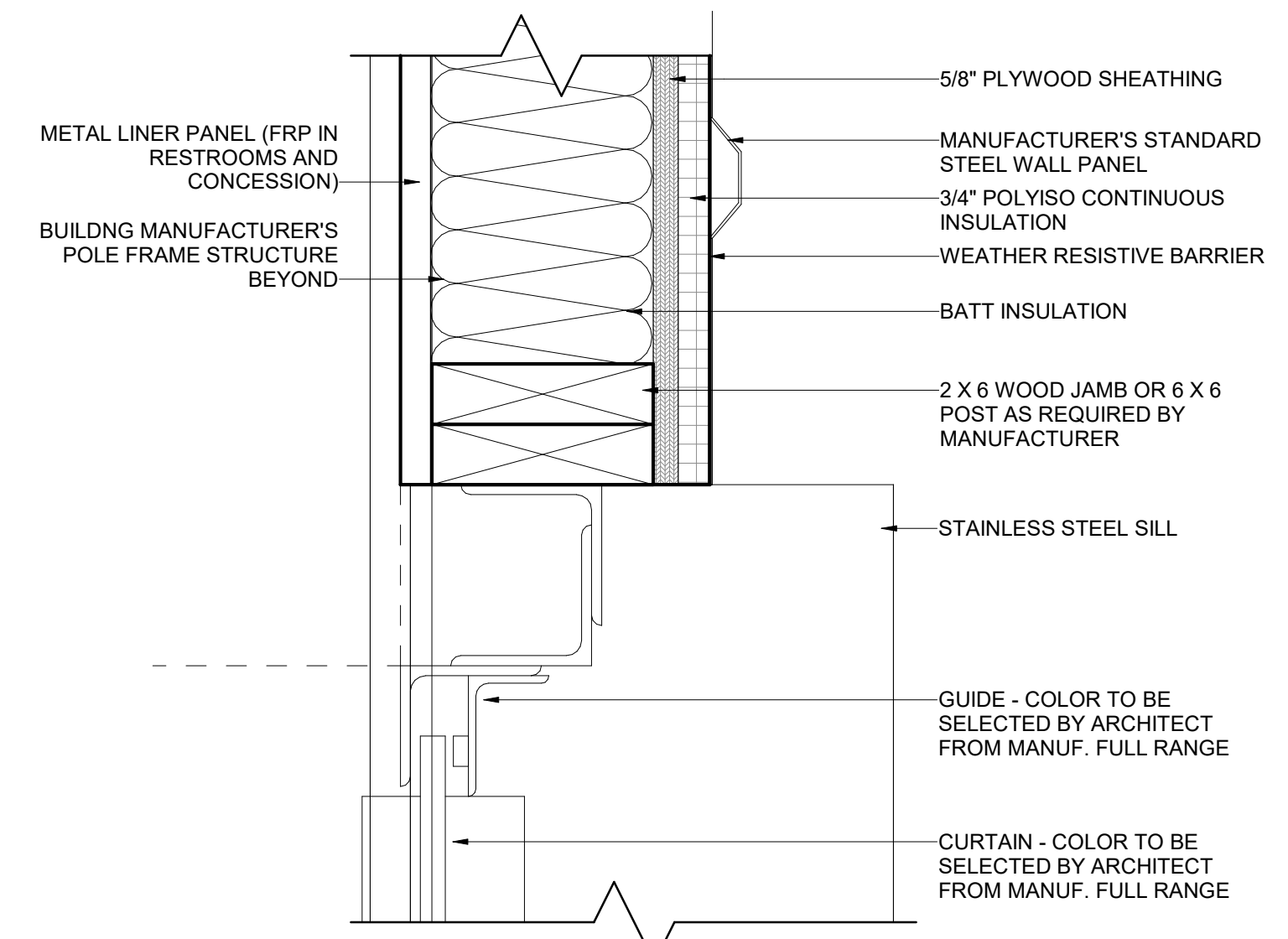
H4 OVERHEAD COILING DOOR HEAD
SCALE: 3" = 1'-0"



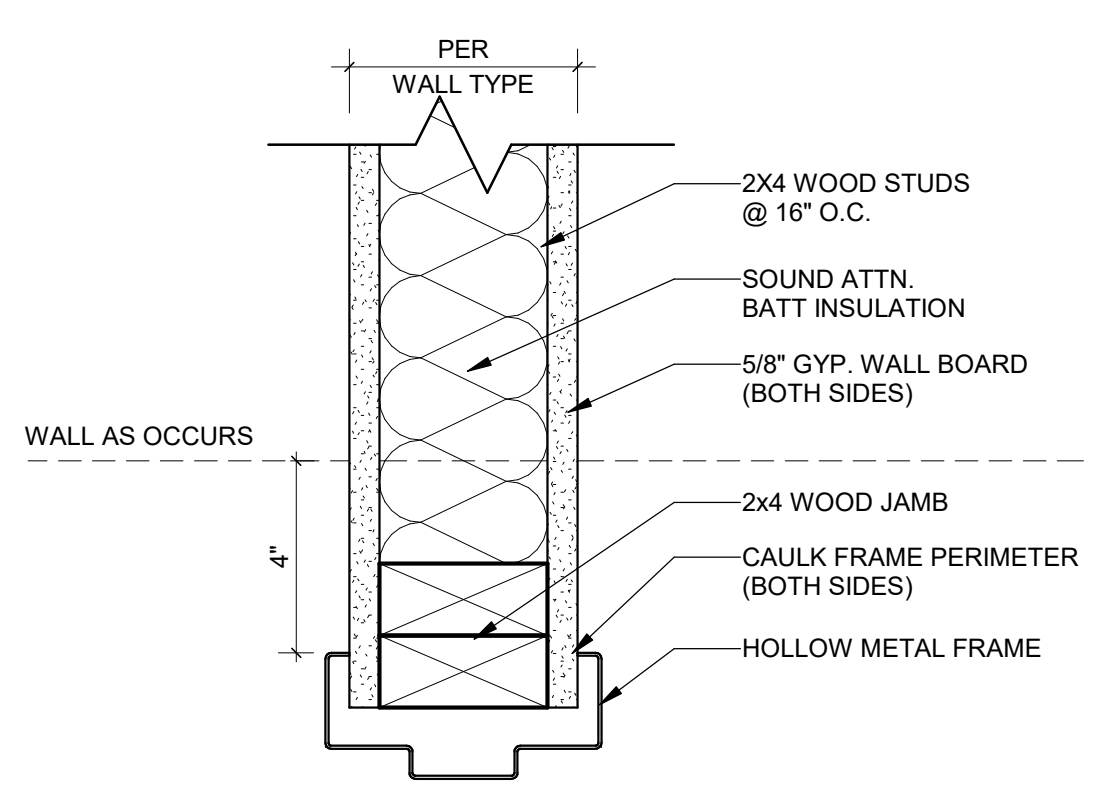
H1 DETAIL - INT. WOOD FRAMING - HEAD
SCALE: 3" = 1'-0"



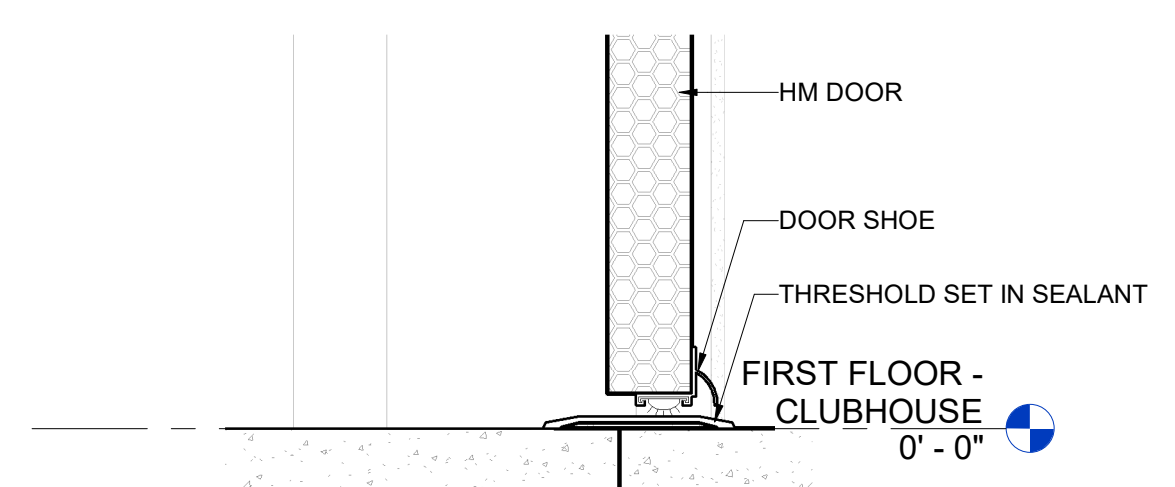
J2 EXT. WOOD FRAMED JAMB
SCALE: 3" = 1'-0"



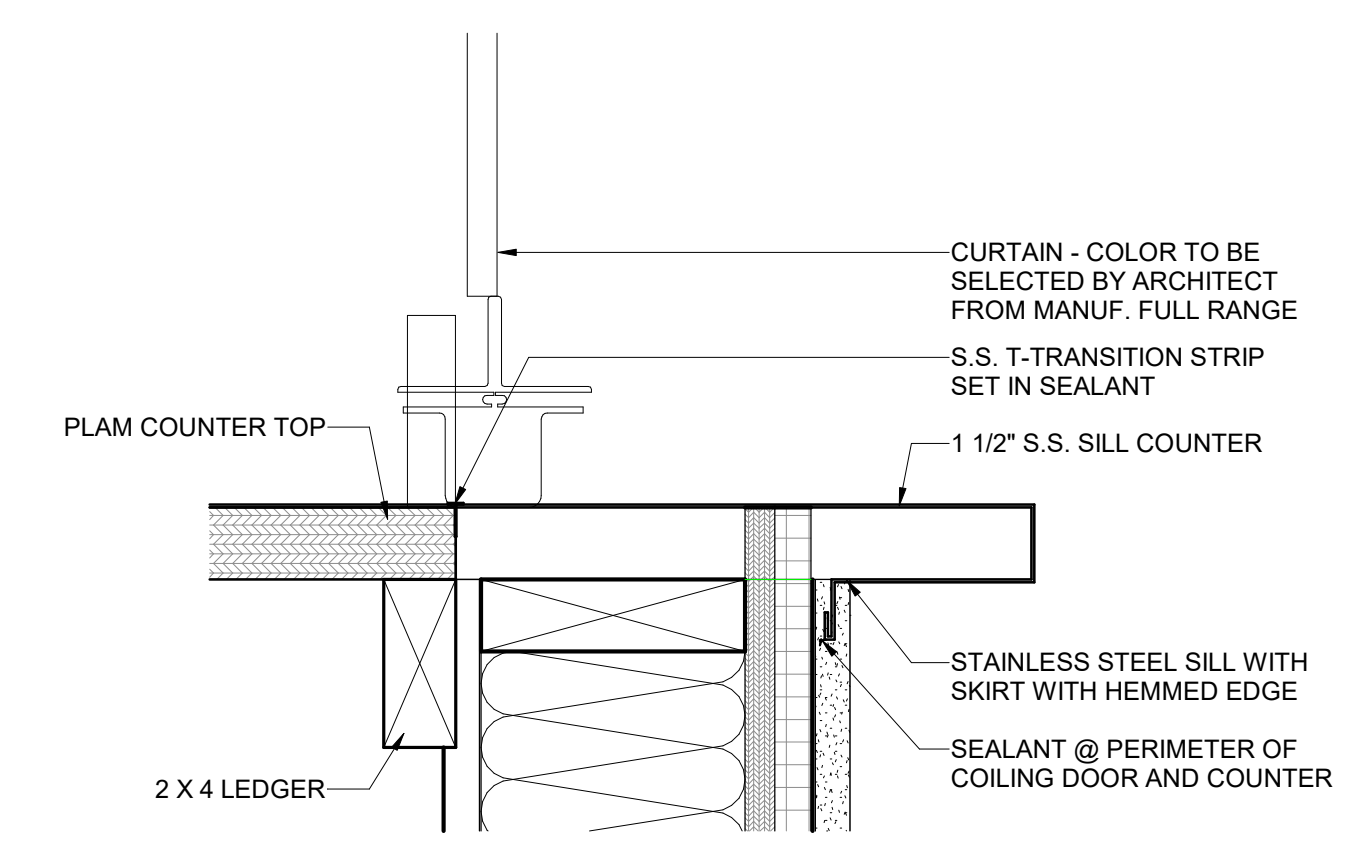
J4 OVERHAD COILING COUNTER DOOR JAMB
SCALE: 3" = 1'-0"



J1 DETAIL - INT. WOOD FRAMING - JAMB
SCALE: 3" = 1'-0"

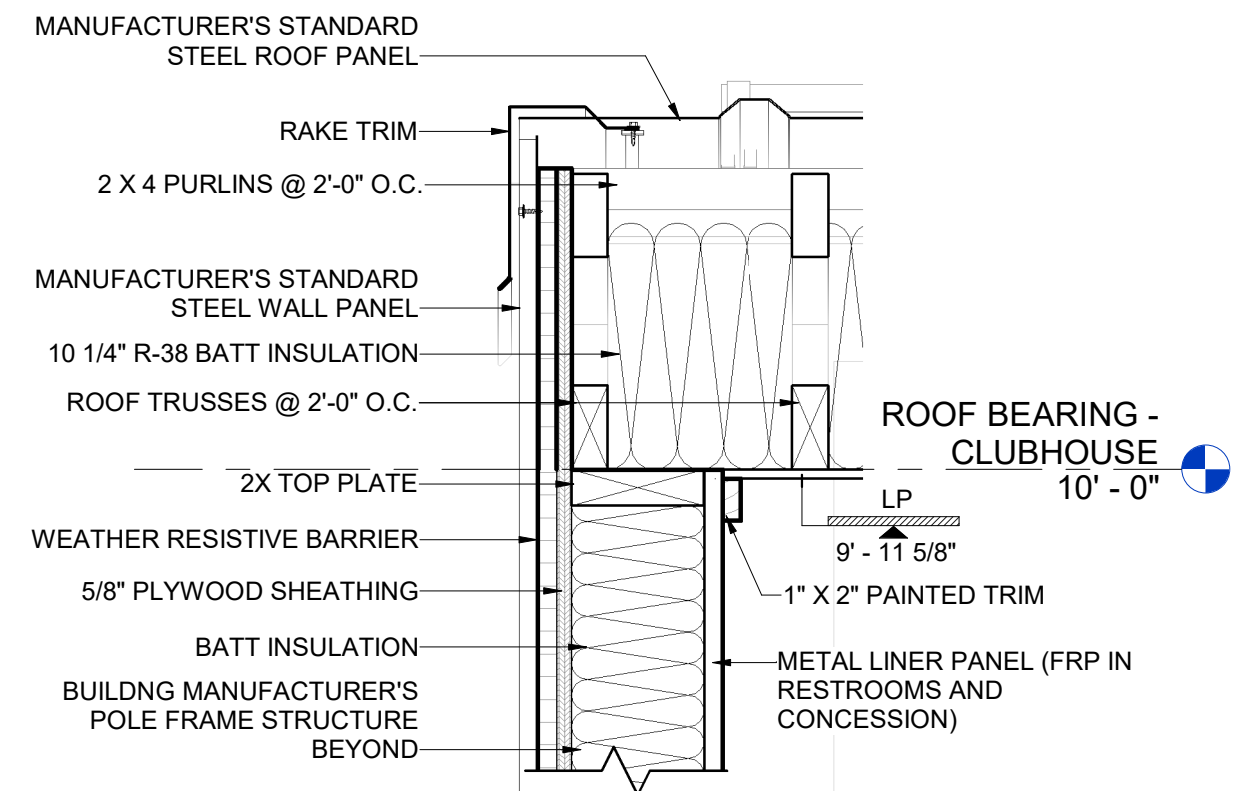


T2 EXT. WOOD FRAMED THRESHOLD
SCALE: 3" = 1'-0"

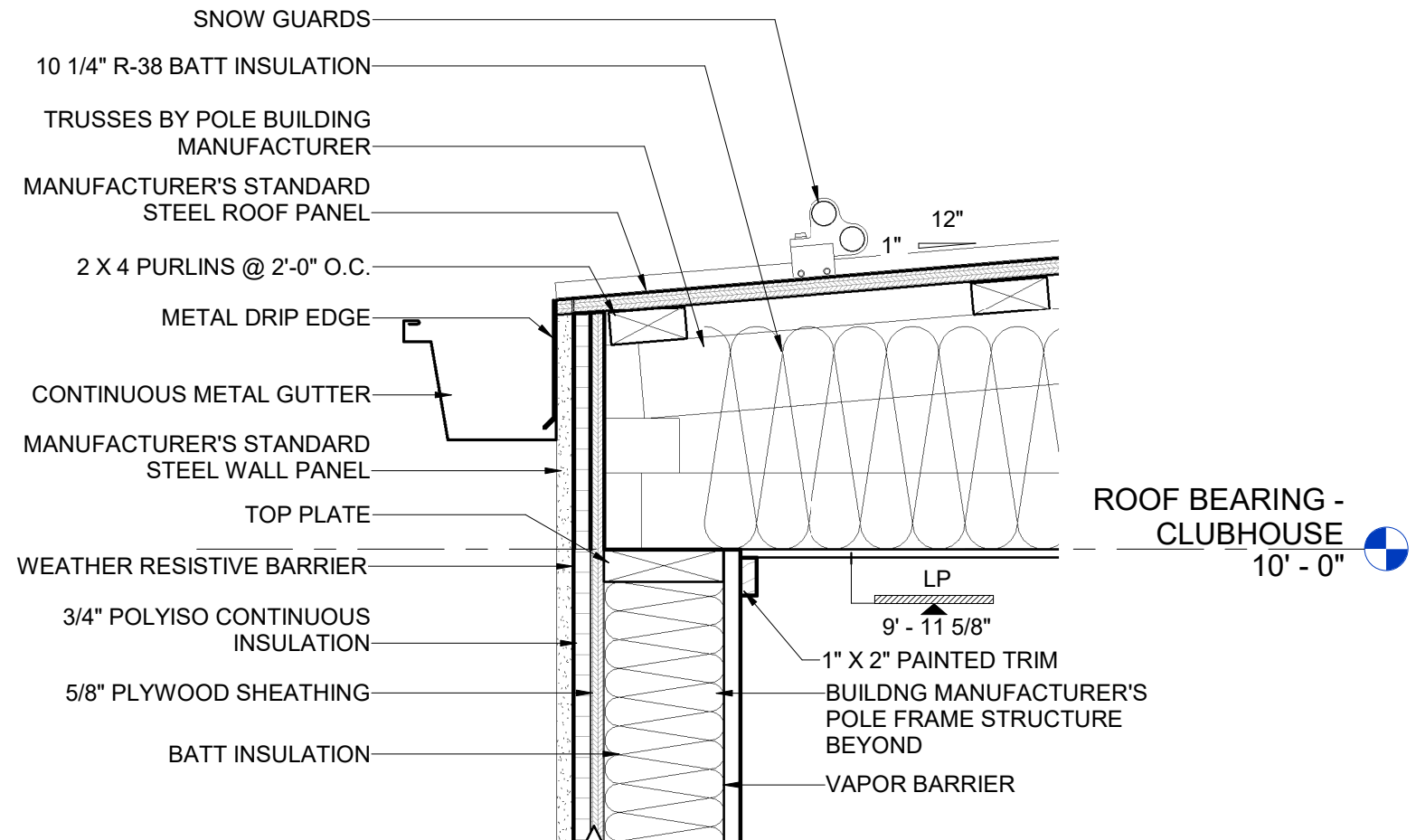


S4 OVERHEAD COILING COUNTER DOOR SILL
SCALE: 3" = 1'-0"

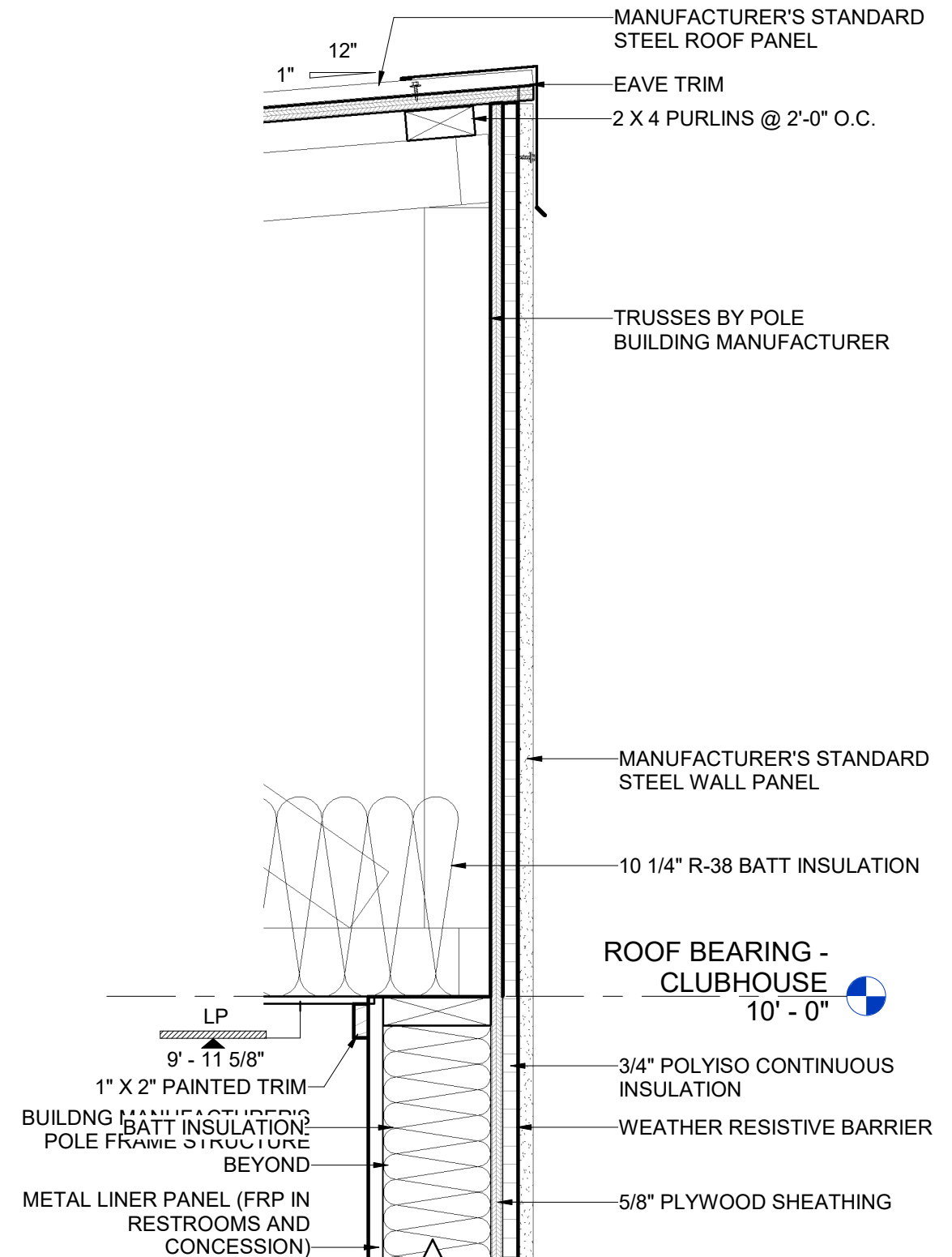
LAYOUT TAB: DOOR DETAILS
CAD FILE: Autodesk Docs://WestLibertySoftballClubhouse/180-11177 - WL Softball Clubhouse_Pole Building 08142024.rvt
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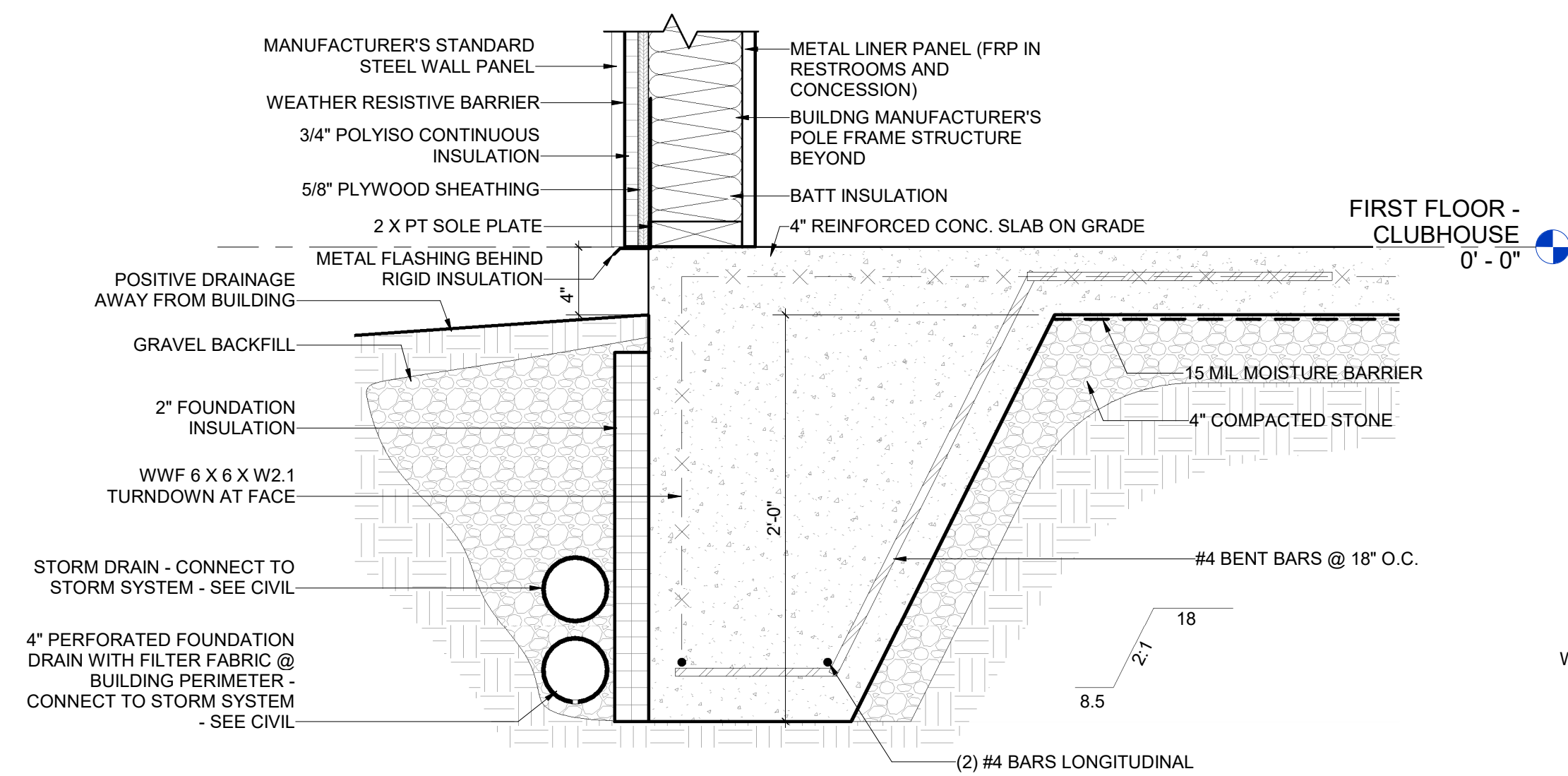
1 ROOF DETAIL @ RAKE DETAIL
SCALE: 1 1/2" = 1'-0"



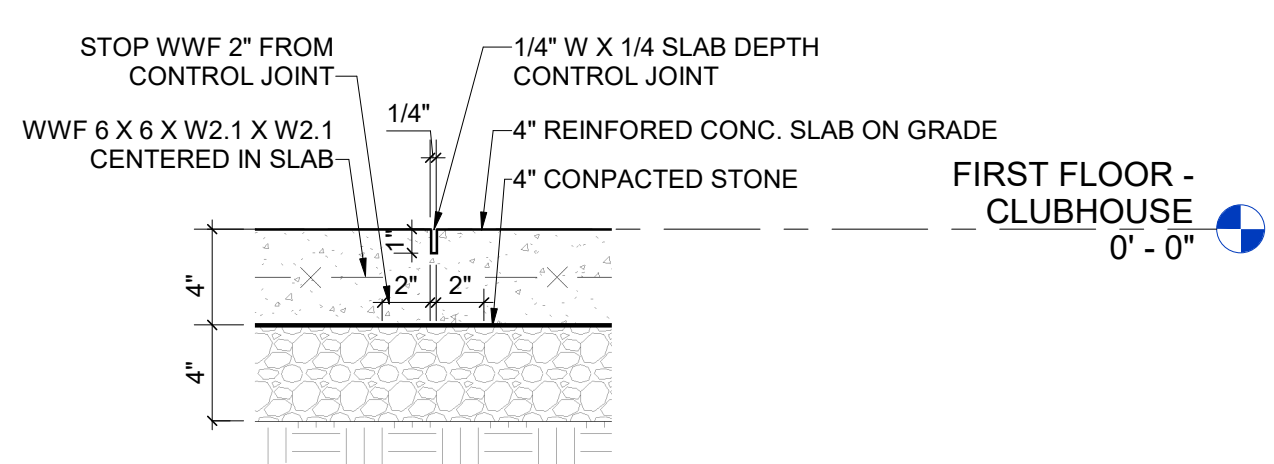
2 ROOF DETAIL @ GUTTER
SCALE: 1 1/2" = 1'-0"



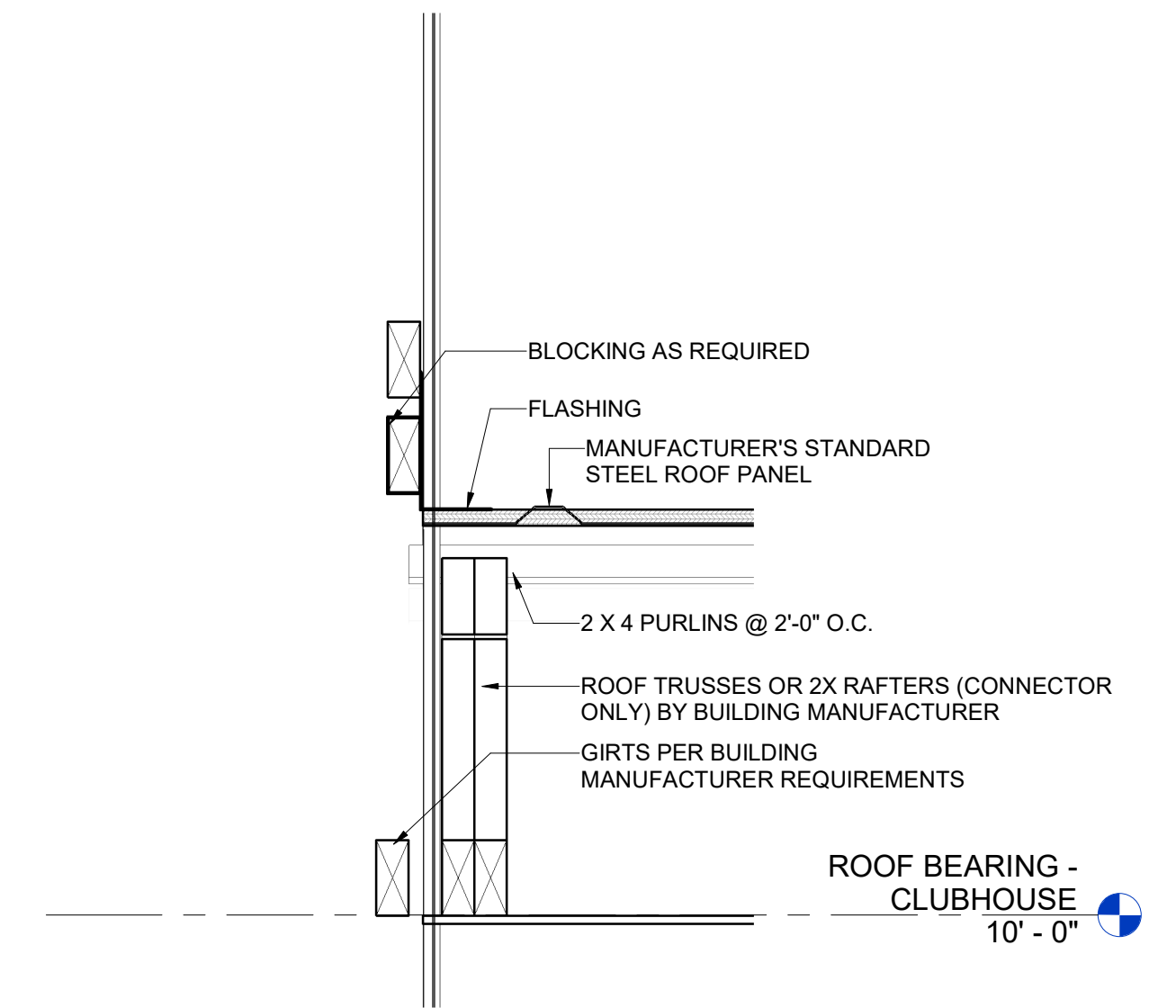
3 ROOF DETAIL @ PEAK
SCALE: 1 1/2" = 1'-0"



4 TYPICAL FOUNDATION
SCALE: 1 1/2" = 1'-0"



5 CONTROL JOINT DETAIL
SCALE: 1 1/2" = 1'-0"



6 Section 3
SCALE: 1 1/2" = 1'-0"

NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
BIDDING DOCUMENTS

DRAWN: OOK DATE: 12/02/2024
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PROJECT No. T80-11177

ROOF TO WALL AND FOUNDATION DETAILS

SHEET No.

LAYOUT TAB: ROOF TO WALL AND FOUNDATION DETAILS
CAD FILE: Autodesk Docs://WestLibertySoftballClubhouse/110-11177 - WL Softball Clubhouse Pole Building 08142024.rvt
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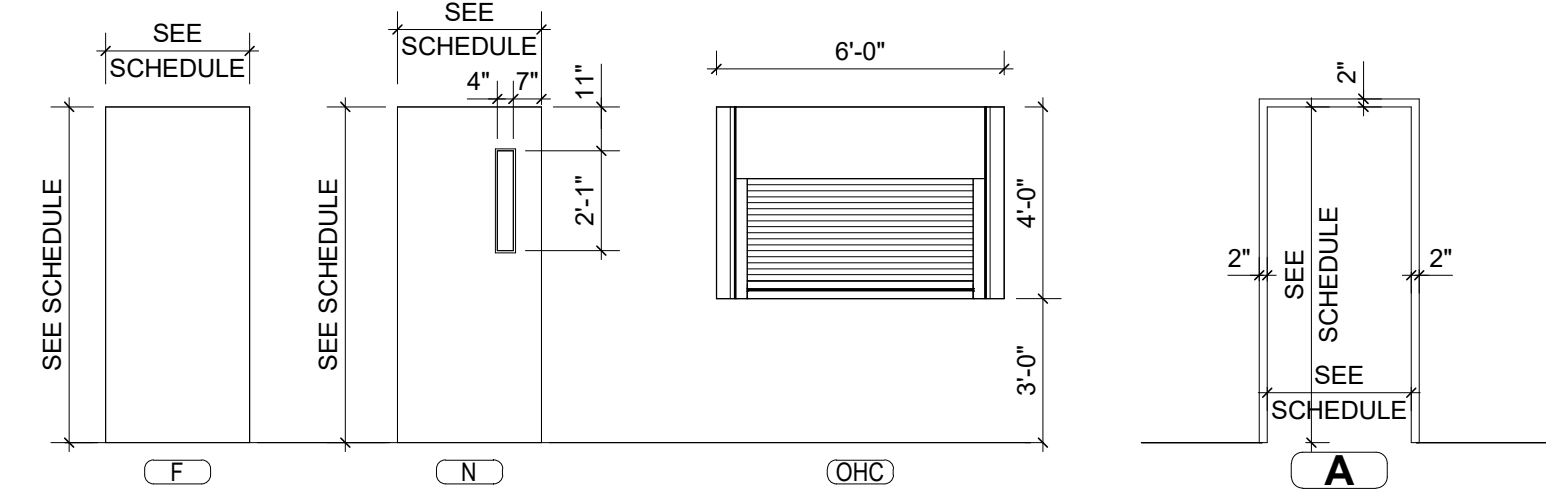
ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH				CEILING FINISH	REMARKS
				NORTH	EAST	SOUTH	WEST		
100	MUD ROOM	S.C.	-	LP	LP	LP	LP	LP	
100A	IT	S.C.	-	LP	LP	LP	LP	LP	
101	LOCKERS	S.C.	-	LP	LP	LP	LP	LP	
102	UMPIRE	S.C.	-	LP	LP	LP	LP	LP	
103	CONCESSION	S.C.	RB	FRP	FRP	FRP	FRP	LP	
104	STORAGE	S.C.	RB	FRP	FRP	FRP	FRP	LP	
105	PUBLIC RESTROOM	S.C.	RB	FRP	FRP	FRP	FRP	LP	
106	PUBLIC RESTROOM	S.C.	RB	FRP	FRP	FRP	FRP	LP	
107	PLAYER'S RESTROOM	S.C.	RB	FRP	FRP	FRP	FRP	LP	
108	UTIL / STOR	S.C.	-	LP	LP	LP	LP	LP	
109	OFFICE / STUDY	S.C.	-	LP	LP	LP	LP	LP	
201	BATTING CAGE SHELTER	-	-	-	-	-	-	-	
202	CONNECTOR	S.C.	-	-	-	-	-	-	

ROOM FINISH ABBREVIATIONS

ROOM FINISH SCHEDULES MAY USE THE FOLLOWING ABBREVIATIONS:

- MATERIALS:**
LP PRE-FINISHED LINER PANEL
FRP FIBERGLAS REINFORCED PLASTIC PANEL
RB RUBBER BASE
S.C. SEALED CONCRETE



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

2 FRAMES TYPES
SCALE: 1/4" = 1'-0"

DOOR, FRAME, & WINDOW NOTES

- Field verify dimensions of all openings prior to fabrication.
- Provide shims and sealant at all openings.
- Heads, jambs, and thresholds (if present) of hollow metal frames installed within masonry walls are to be grouted full.
- Frame, door, glass (where present), and all other door components within a fire rated door are to be fabricated and installed as a complete assembly for the intended use.
- See structural drawings for information on masonry and steel lintels.
- Glazing to be of clear tempered glass in all non-rated hollow metal doors and frames.
- Width and height of overhead sectional doors shown on these plans represent the clear opening size. The exact size of the door and amount of shim space to be coordinated by the Contractor with the door manufacturer.

DOOR & FRAME ABBREVIATIONS

DOOR SCHEDULES MAY USE THE FOLLOWING ABBREVIATIONS:

- DOOR OR FRAME MATERIALS:**
HM HOLLOW METAL

DOOR OR FRAME FINISHES:
P PAINT
FF FACTORY FINISH

TYPES:
F FLUSH

DOOR, FRAME, & HARDWARE SCHEDULE

#	MARK	DOORS				FRAMES			CONSTRUCTION			ASSEMBLY	
		WIDTH	HEIGHT	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD	JAMB	THRESHOLD	RATING	HARDWARE
100A	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H1	J1	-		07
100B	N	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H2	J2	-		07
101	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H2	J2	T2		06
102	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H2	J2	T2		04
103	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H2	J2	T2		01
103A	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H1	J1	-		07
104	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H1	J1	-		03
105	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H2	J2	T2		05
106	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H2	J2	T2		08
107	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H1	J1	-		03
107A	OHC	6'-0"	4'-0"	GALV. STL.	FF	-	GALV. STL.	FF	H4	J4	S4		02
108	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H1	J1	-		07
109	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H1	J1	-		07
201A	N	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H1	J1	-		07
201B	F	3'-0"	7'-0"	HM	PNT	A	HM	PNT	H1	J1	T2		06
201C	F	6'-0"	7'-0"	HM	PNT	A	HM	PNT	H1	J1	-		07

SOFTBALL CLUBHOUSE
 WEST LIBERTY UNIVERSITY
 208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
 DECEMBER 2, 2024
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DRAWN: OOK DATE: 12/02/2024
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 PROJECT No. T80-11177

SCHEDULES & DIAGRAMS

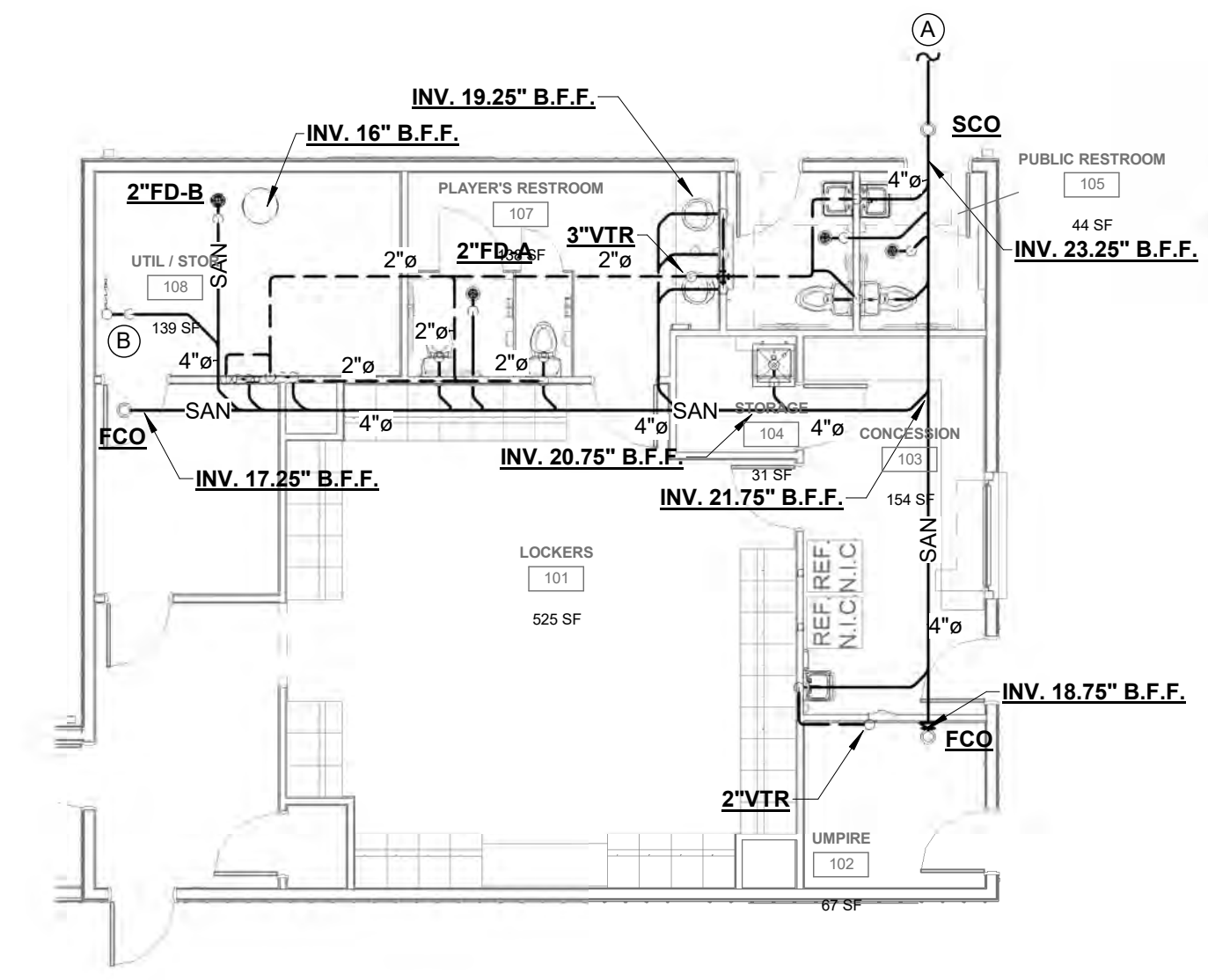
SHEET No.

A6.01

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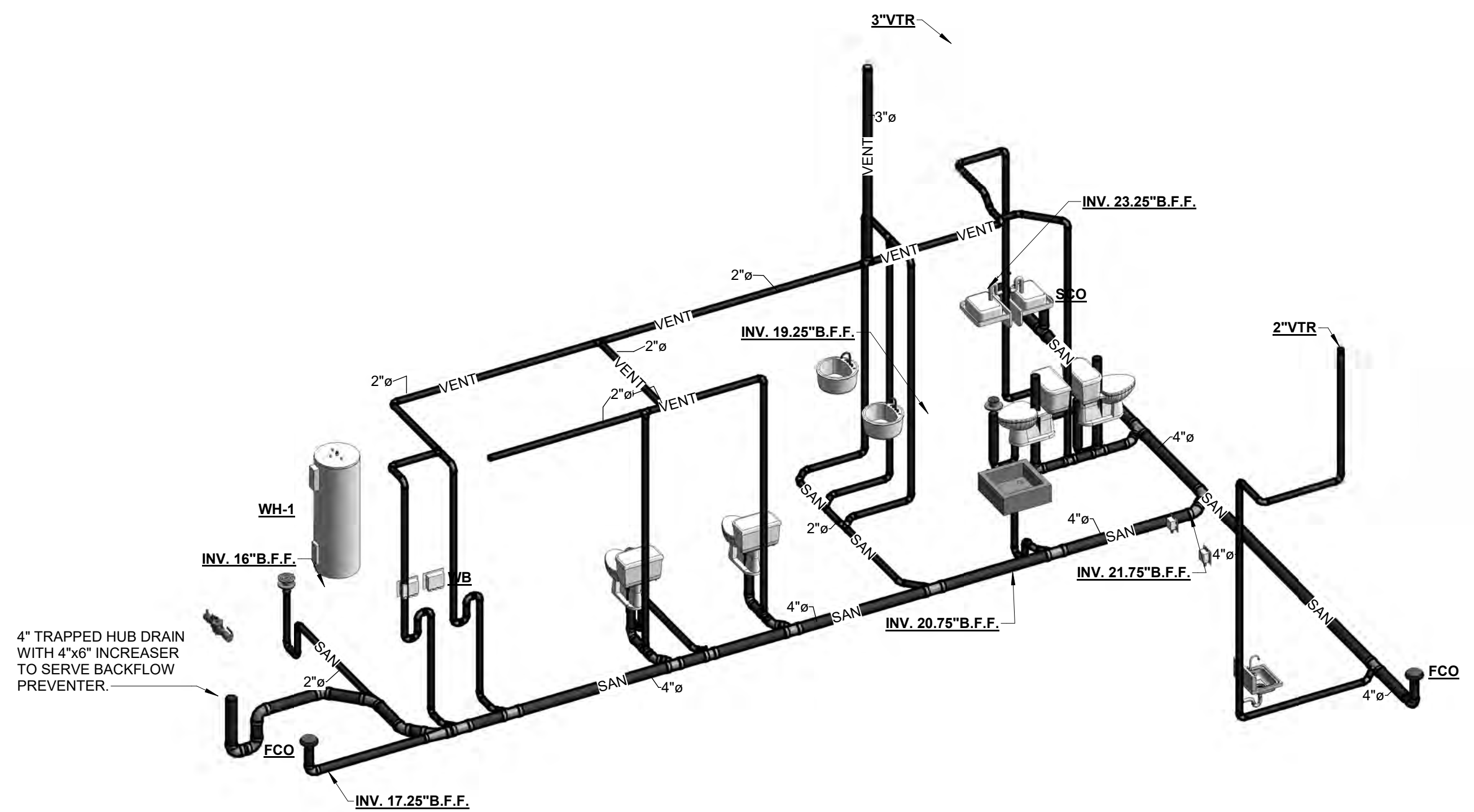


Harper Engineering
52 B Street
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phone: 304.722.3602
fax: 304.722.3603



- PLAN NOTES:** (X)
- A. REFER TO CIVIL PLANS FOR CONTINUATION.
 - B. 4" TRAPPED HUB DRAIN WITH 4"x6" INCREASER TO SERVE BACKFLOW PREVENTER.

1 FIRST FLOOR SANITARY PLAN
P1.01
1/8" = 1'-0"



2 DRAINAGE AND VENT PLUMBING
P1.01

NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
FOR CONSTRUCTION

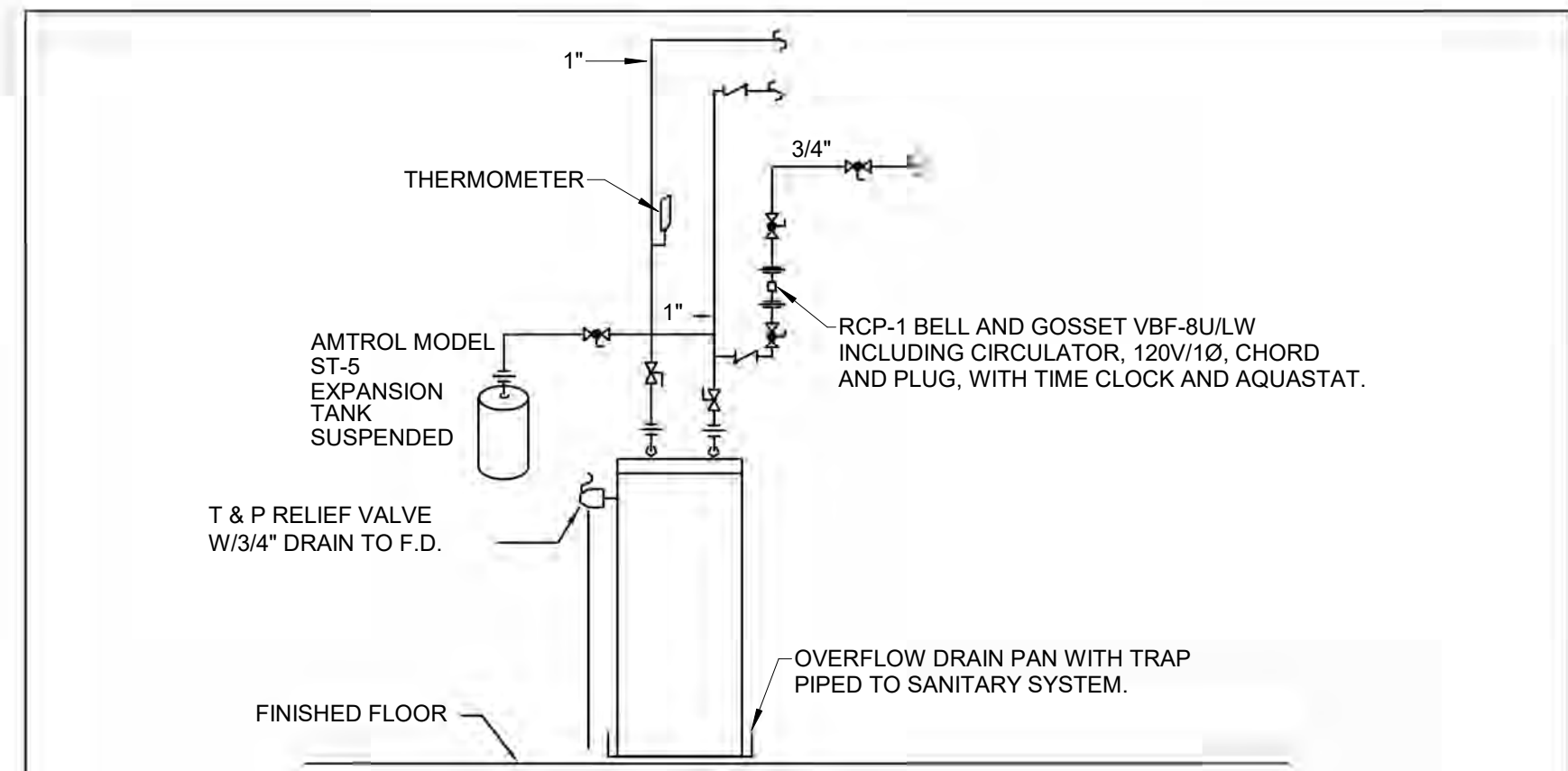
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CHECKED: JEH DATE: 12-2-2024
APPROVED: JEH DATE: 12-2-2024

PROJECT No. T60-11177

DRAINAGE AND VENT PLAN

SHEET No.

P1.01



WATER HEATER DETAIL

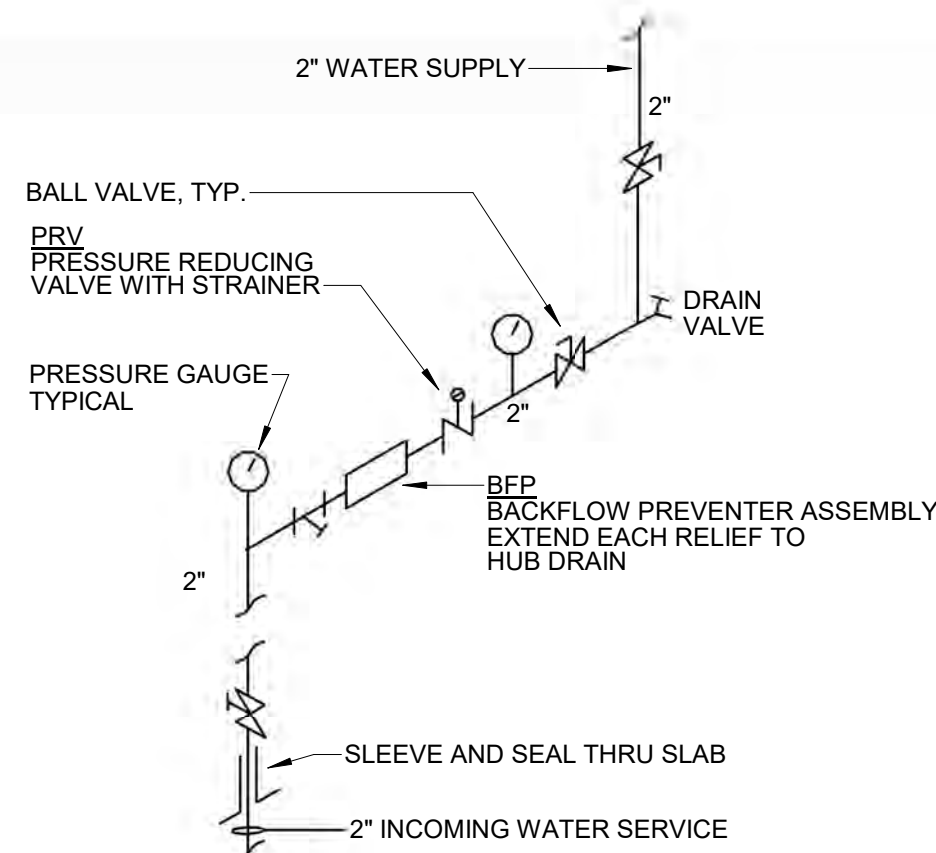
NTS

ELEC WATER HEATER SCHEDULE

MARK	MFGR.	MODEL NO.	TOTAL K.W.	ELEMENTS	VOLT.	K.W. EACH ELEMENT	GAL. STOR.	REMARKS
WH-1	LOCHINVAR	LCA-100	9	1	240 V	4.5	50	1.2

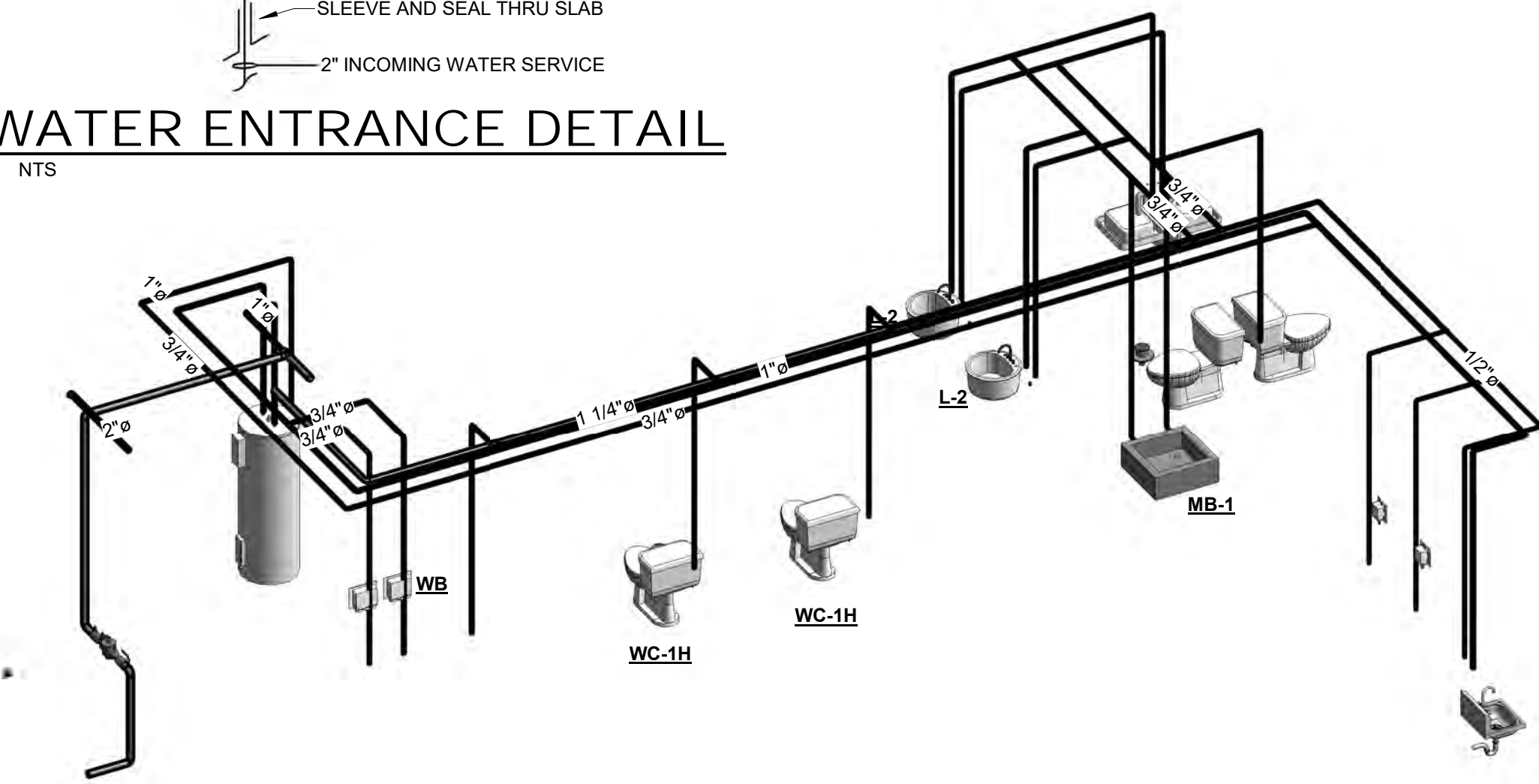
1. LIGHT DUTY COMMERCIAL ELECTRIC WATER HEATER, COMPLIES WITH ASHRAE ENERGY EFFICIENCY STANDARDS. 150 PSI WORKING PRESSURE, GLASS LINED STEEL TANK, NON-FCF FOAM INSULATION, TANK SAVOR ANODE, ADJUSTABLE THERMOSTATS, INCOLOY SHEATH EMERSION ELEMENTS. ASME TEMPERATURE AND PRESSURE RELIEF, NON-SIMULTANEOUS OPERATION. 3 YEAR TANK AND 1 YEAR PARTS WARRANTY.

2. COMPACT ASME HI-POWER COMMERCIAL ELECTRIC WATER HEATER, COMPLIES WITH ASHRAE ENERGY EFFICIENCY STANDARDS. 150 PSI WORKING PRESSURE, NON-FCF FOAM INSULATION, TANK SAVER ANODE AND POWERED ANODE, LOW WATT INCOLOGY HEATING ELEMENT, HINGED ACCESS DOOR, IMMERSION THERMOSTATS WITH CONTACTORS. 3 YEAR TANK AND 1 YEAR PARTS WARRANTY.



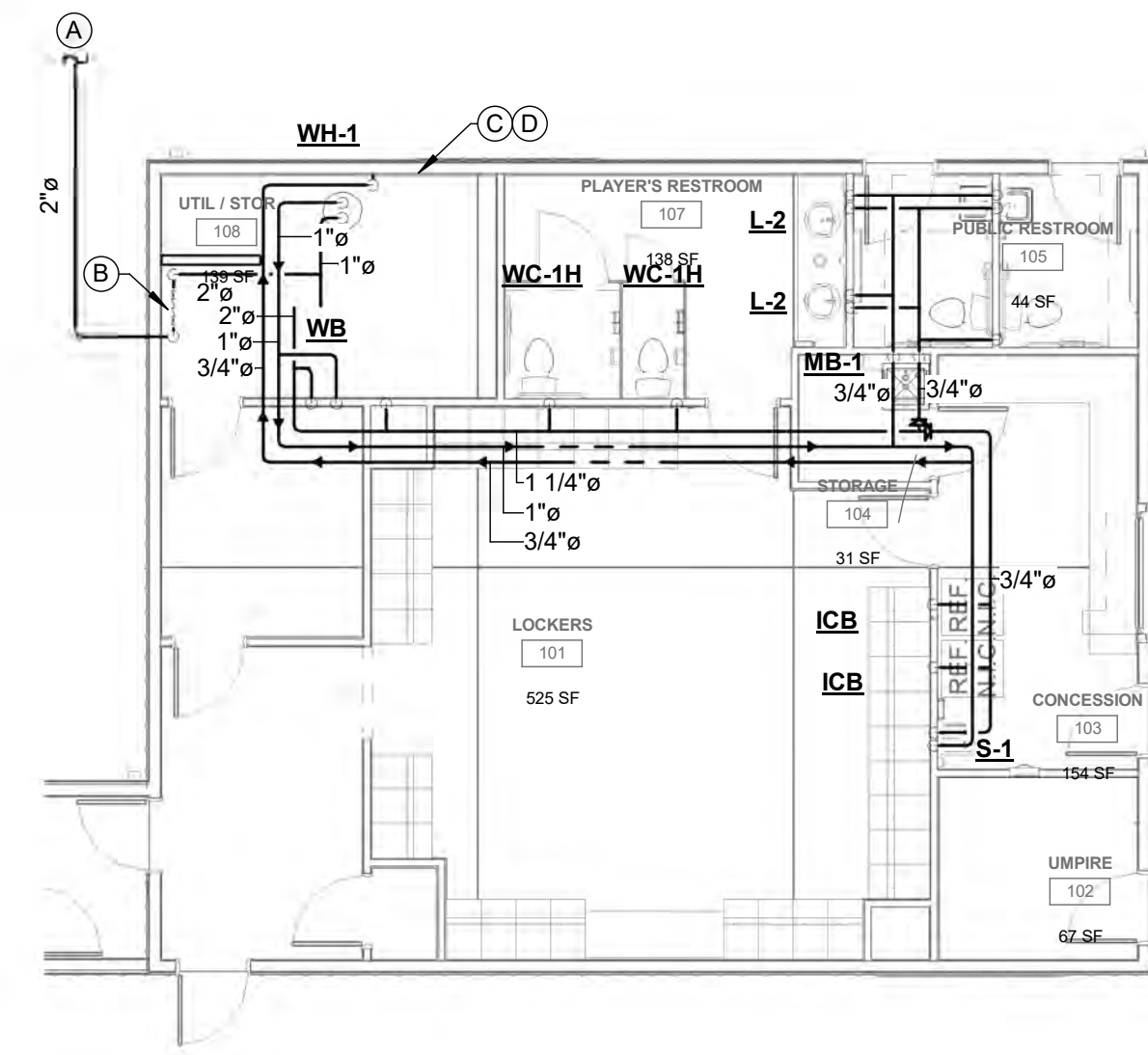
WATER ENTRANCE DETAIL

NTS



2 DOMESTIC PIPING

P2.01



1 FIRST FLOOR PIPING PLAN

P2.01 1/8" = 1'-0"

PLAN NOTES: (X)

- A. REFER TO CIVIL PLANS FOR CONTINUATION.
- B. WATER ENTRANCE. REFER TO WATER ENTRANCE DETAIL ON SHEET P3.01.
- C. WATER HEATER. REFER TO WATER HEATER DETAIL ON SHEET P3.01.
- D. 1/2" HOT WATER RETURN. REFER TO WATER HEATER DETAIL ON SHEET P3.01.

PLUMBING FIXTURE SCHEDULE

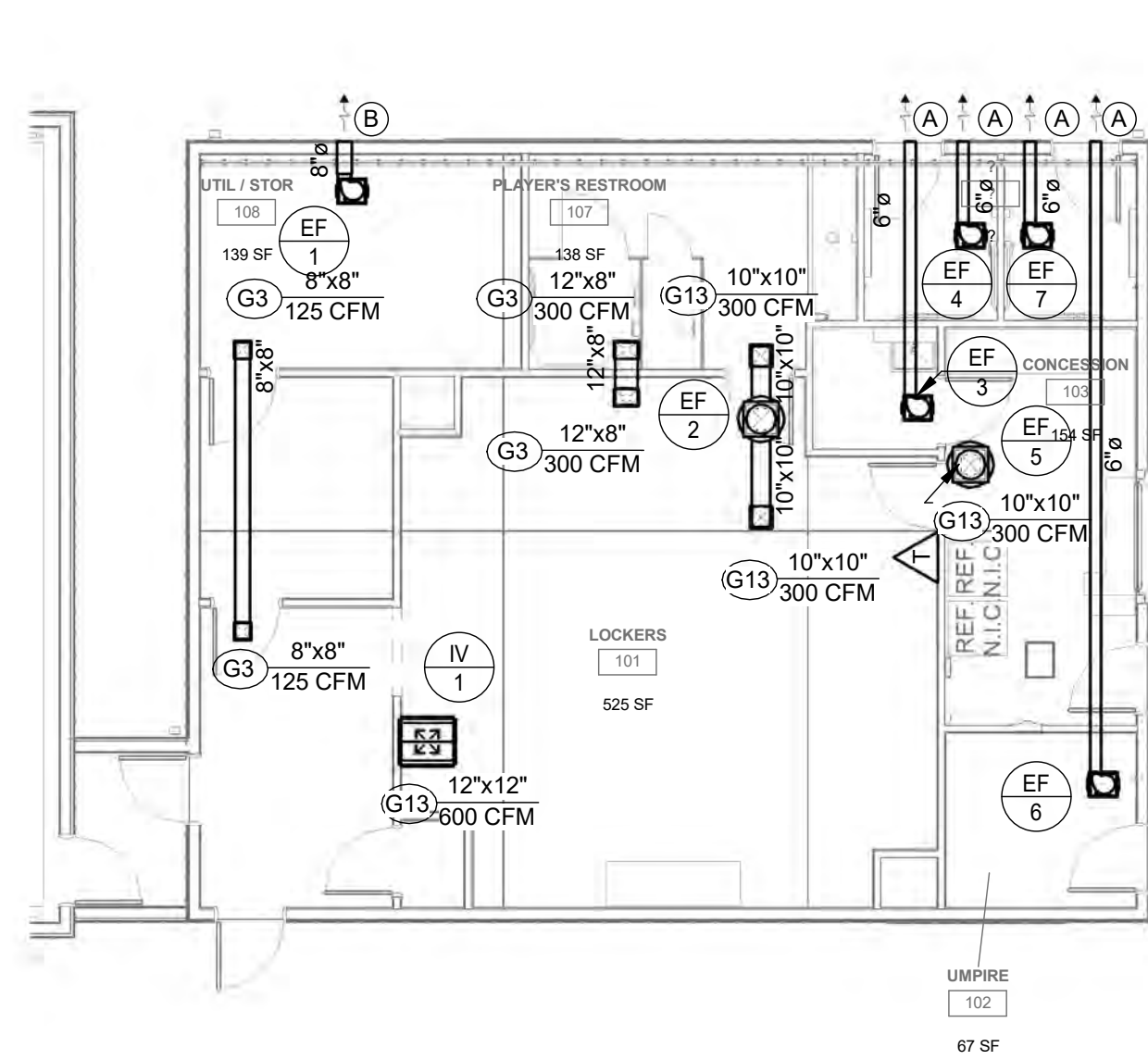
MARK	DESCRIPTION	HW	CW	SAN	VENT	MOUNTING HEIGHT
S-1	SINK: ADVANCE TABCO 7-PS-50 WALL MOUNTED SINK, K-59 4" O.C. SPLASH MOUNTED GOOSENECK FAUCET, LEVER OPERATED DRAIN AND BUILT-IN OVERFLOW WITH PLASTIC OVERFLOW TUBE AND SPRING CLAMPS. 1-1/2" P-TRAP.	1/2"	1/2"	1 1/2"	1 1/2"	
WC-1H	WATER CLOSET: KOHLER K-3999 1 28 GPF ELONGATED TWO PIECE TOILET WITH TANK, LEFT HAND TRIP LEVER; ADA COMFORT HEIGHT, WHITE, BEMIS 1200SLOWT SEAT, CLOSED FRONT WITH SLOW CLOSE COVER.		1/2"	3"	2"	FLOOR SET
L-1H	LAVATORY: ZURN #Z5344 20"x18" WALL LAVATORY, WHITE W/PUNCHING ON 4" CENTERS FOR ZURN Z81101-XL FAUCET, GRID STRAINER, GENERAL MIXING TEE, TRAP, TAIL PIECE, LOOSE KEY STOPS, SUPPLY KIT WITH INSULATION, & ZURN #1231 CHAIR TYPE CONCEALED ARE CARRIER.	1/2"	1/2"	1 1/4"	1 1/4"	WALL 34" ADA
L-2	LAVATORY: KOHLER K-2215 23 1/4" X 16 1/4" UNDERMOUNT LAVATORY, LEAD FREE SLOAN OPTIMA ETP-80-4-B-DBM HARD WITED SENSOR FAUCET WITH INTEGRAL 4" COVER PLATE AND THERMOSTATIC MIXING VALVE AND GRID DRAIN.	1/2"	1/2"	2"	1 1/2"	
MB-1	MOP BASIN: ACORN MODEL #TDF-24-KDGS, 24"x24"x12" WITH 6" FRONT DROP STAINLESS STEEL CAP TERRAZZO CONSTRUCTION, T&S B-0665-BSTR FITTING WITH INTEGRAL STOPS; BUCKET HOOK; VACUUM BREAKER; HOSE AND WALL HOOK, STAINLESS STEEL MOP HANGER; STAINLESS STEEL BACK SPLASH CATCHER; 2 SIDES.	1/2"	1/2"	3"	1 1/2"	FLOOR SET

PLUMBING SPECIALTY SCHEDULE

MARK	MANUFACTURER	MODEL NO.	DESCRIPTION	REMARKS
2'FD-A	JR SMITH	2005L-A-NB	RESTROOM FLOOR DRAIN	CAST IRON BODY WITH BOTTOM OUTLET AND ADJUSTABLE 5" ROUND NICKEL BRONZE STRAINER. PROVIDE "SURE SEAL" TRAP SEAL PRIMER IN DRAIN.
2'FD-B	JR SMITH	2110Y	MECHANICAL ROOM FLOOR DRAIN	CAST IRON BODY WITH BOTTOM OUTLET, CAST IRON FRAME AND ROUND NICKEL BRONZE DIA. TOP. PROVIDE "SURE SEAL" TRAP SEAL PRIMER IN DRAIN.
BFP-1	WATTS	LF009	BACKFLOW PREVENTER	LEAD FREE BRONZE BODY, COMPACT SIZE, CAPTURED SPRINGS, TOP MOUNTED ACCESS COVER, REPLACEABLE SEATS AND SEAT DISCS, STRAINER, FULL PORT BALL VALVES, BALL VALVE TEST COCKS, DISCHARGE FITTING. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF ASSE 1013.
FCO	JR SMITH	4031L	FLOOR CLEANOUT	ADJUSTABLE FLOOR CLEANOUT CAST IRON BODY WITH GAS & WATER TIGHT ABS TAPERED THREAD PLUG AND ROUND NICKEL BRONZE ADJUSTABLE TOP. INCLUDE "EZ1" FEATURE PROVIDING CONCRETE PROTECTION, VERTICAL ADJUSTMENT AND TILT ADJUSTMENT.
ICB	GUY GRAY	BIM875	REFRIGERATOR CONN. BOX	RECESSED 16 GAUGE STEEL BOX WITH EPOXY FINISH 1/2"x1/4" COMPRESSION ANGLE VALVE.
SCO	JR SMITH	4031L	SURFACE CLEANOUT	ADJUSTABLE FLOOR CLEANOUT CAST IRON BODY WITH GAS & WATER TIGHT ABS TAPERED THREAD PLUG AND ROUND NICKEL BRONZE ADJUSTABLE TOP. INCLUDE "EZ1" FEATURE PROVIDING CONCRETE PROTECTION, VERTICAL ADJUSTMENT AND TILT ADJUSTMENT.
WB	GUY GREY	PL200	WASHER BOX	HIGH IMPACT POLYSTYRENE, 2" DRAIN CONNECTION AND MIP OR SWEAT CONNECTION VALVES.



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fax: 304.722.3603



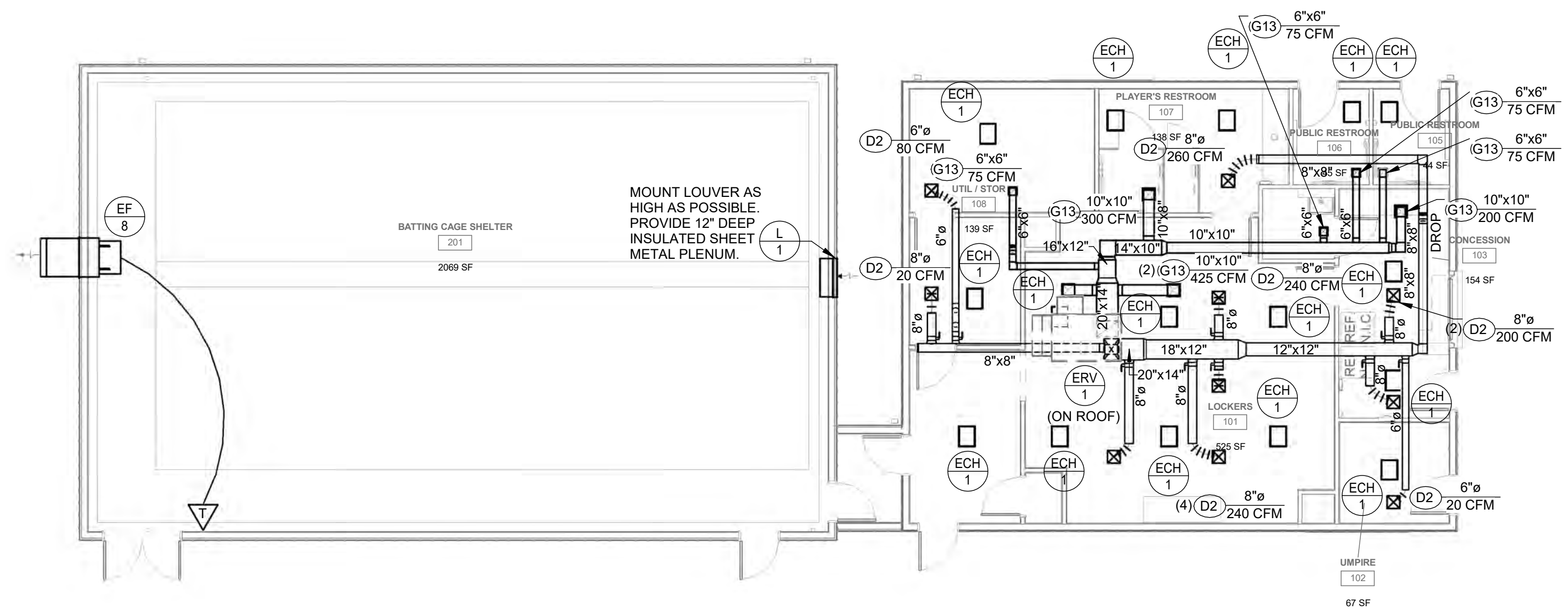
2 ALTERNATE FIRST FLOOR HVAC PLAN
M1.01 1/8" = 1'-0"

PLAN NOTES

- A. 6"Ø EXHAUST AIR DUCT TO LOREN COOK WALL CAP WITH BIRDSCREEN (OR EQUAL). TRANSITION AS REQUIRED.
- B. 8" EXHAUST AIR DUCT TO LOREN COOK WALL CAP WITH BIRDSCREEN (OR EQUAL). TRANSITION AS REQUIRED.

NOTE:

SEE FIRST FLOOR HVAC PLANS FOR HEATER SIZE AND LOCATION.



1 FIRST FLOOR HVAC PLAN
M1.01 1/8" = 1'-0"

ENERGY RECOVERY VENTILATOR SCHEDULE

		ENERGY CORE SECTION														ELECTRICAL DATA											
		WINTER							SUMMER																		
MANUFACTURER	MODEL NO.	WEIGHT	EX FAN CFM	EX FAN ESP	EX FAN HP	EX FAN RPM	SUPPLY FAN CFM	SUPPLY FAN ESP	SUPPLY FAN HP	SUPPLY FAN RPM	OA DBT	OA WBT	SA DBT	SA RH	EA DBT	EA WBT	OA DBT (SUMMER)	OA WBT (SUMMER)	SA DBT (SUMMER)	SA WBT (SUMMER)	EA DBT (SUMMER)	EA WBT (SUMMER)	VOLTAGE	PHASE	MCA	MOCP	NOTES
GREENHECK	ECV-20-P-H	848	1600	0.5	1	1750	1700	.5	1	1750	30	25	56	44	72	55	89	72	80	67°F	75	62	240 V	1	41 A	45 A	1, 2

- NOTES:
1. OUTDOOR ROOF MOUNTED ERV WITH POLYMER MEMBRANE ENERGY CORE. HINGED ACCESS DOORS, MODULATING VFD'S, AND MERV-8 OUTDOOR AIR FILTERS.
2. ROOF CURB

INTAKE VENT SCHEDULE (ALTERNATE)

MARK	MANUFACTURER	MODEL NO.	USE	CFM	MOD	VOLTAGE	FLA	PHASE	NOTES
IV-1	COOK	GI-DUCTED	INTAKE	600 CFM	NO	0 V	0 A	-	1

- NOTES:
1. ALL ALUMINUM INTAKE VENTILATOR WITH INSECT SCREEN, GRAVITY BACKDRAFT DAMPER, 16" HIGH INSULATED ROOF CURB.

LOUVER SCHEDULE

MARK	MANUFACTURER	MODEL NO.	USE	MODULATING DAMPER	SIZE	CFM	NOTES
L-1	RUSKIN	ELF6375DXH	INTAKE	NO	36"X36"	3400 CFM	1, 2

- NOTES:
1. EXTEND ALUMINUM LOUVER WITH STANDARD FRAME, INSECT SCREEN.
2. COLOR BY ARCHITECT.

EXHAUST FAN AND BOOSTER SCHEDULE (ALTERNATE)

MARK	MANUFACTURER	MODEL NO.	WEIGHT (LBS.)	CONTROLLED BY	CFM	TS	ESP	RPM	SONES	FAN HP / WATTS	VOLTAGE	PHASE	FLA	MCA	MOCP	NOTES
EF-1	LOREN COOK	GC-168	20	LIGHT SWITCH	125 CFM	25 MPH	0.25 in-wg	1140	3.0	80W	120 V	1	0.3 A	0.6 A	20 A	3, 4
EF-2	LOREN COOK	101C15D	50	LINE VOLT STAT	600 CFM	-	0.50 in-wg	1200	8.5	1/8 HP	120 V	1	5.8 A	7.3 A	20 A	1, 4
EF-3	LOREN COOK	GC-148	15	LIGHT SWITCH	75 CFM	78 MPH	0.25 in-wg	1075	.9	30W	120 V	1	0.3 A	0.4 A	20 A	3, 4
EF-4	LOREN COOK	GC-148	15	LIGHT SWITCH	75 CFM	78 MPH	0.25 in-wg	1075	.9	30W	120 V	1	0.3 A	0.4 A	20 A	3, 4
EF-5	LOREN COOK	90C15DL	60	LIGHT SWITCH	300 CFM	34	0.30 in-wg	1455	5.9	.125 HP	120 V	1	3.8 A	4.8 A	20 A	1, 4
EF-6	LOREN COOK	GC-148	15	LIGHT SWITCH	75 CFM	78 MPH	0.25 in-wg	1075	.9	30W	120 V	1	0.3 A	0.4 A	20 A	3, 4
EF-7	LOREN COOK	GC-148	15	LIGHT SWITCH	75 CFM	78 MPH	0.25 in-wg	1075	.9	30W	120 V	1	0.3 A	0.4 A	20 A	3, 4
EF-8	LOREN COOK	XWD	150	THERMOSTAT	3250 CFM	44 MPH	0.10 in-wg	786	11.2	3/4	120 V	1	13.8 A	17.3 A	20 A	5

- NOTES:
1. DIRECT DRIVE CENTRIFUGAL ROOF EXHAUST FAN WITH MOTORIZED DAMPER; NON-FUSED POWER DISCONNECT, 24" ROOF CURB.
2. BELT DRIVE UP-BLAST ROOF EXHAUST FAN WITH GREASE TROUGH, BIRDSCREEN; NON-FUSED POWER DISCONNECT; GALVANIZED ROOF CURB WITH HINGE. FAN SHALL BE PG2 LABEL.
3. DIRECT DRIVE CEILING FAN WITH GRILLE, BACKDRAFT DAMPER; NON-FUSED POWER DISCONNECT.
4. SOLID STATE SPEED CONTROL (MOUNT ON SIDE OF FAN HOUSING).
5. DIRECT DRIVE PACKAGED WALL PROPELLER FAN, OSHA WIRE GUARD, WALL COLLAR, SHUTTER, DISCONNECT, DISCONNECT SWITCH, AND WEATHERHOOD.

GRILLE REGISTER AND DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL NO.	USE	DESCRIPTION	NOTES
D2	TITUS	TMS	SUPPLY	SQUARE FULL LOUVER FACE CEILING DIFFUSER WITH FRAME TYPE FOR SURFACE MOUNT	1, 4
G13	TITUS	50F	EXHAUST	1/2"X1/2"X1/2" EGGCRATE CEILING GRILLE WITH FRAME TYPE FOR SURFACE MOUNT. PROVIDE PLASTER FRAME WHERE REQUIRED.	1, 4

- NOTES:
1. STEEL
2. ALUMINUM
3. STAINLESS STEEL
4. WHITE FINISH
5. ALUMINUM FINISH
6. SPECIAL FINISH
7. VOLUME DAMPER (OPPOSED BLADE)
8. TAMPERPROOF VOLUME DAMPER
9. FIRE DAMPER
10. FILTER
11. TAMPERPROOF SCREWS
12. BAFFLE
13. SAFETY CHAIN

ELECTRIC HEATER SCHEDULE

MARK	MANUFACTURER	MODEL NO.	WEIGHT (LBS.)	HEATER KW	CFM	VOLTAGE	PHASE	FLA	MCA	MOCP	NOTES
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1
ECH-1	QMARK	QCH	25	1.5	100 CFM	120 V	1	12.5 A	15.6 A	20 A	1

- NOTES:
1. SURFACE CEILING HEATER WITH BUILT-IN TAMPERPROOF THERMOSTAT, AUTOMATIC RESET THERMAL OVERLOAD, FAN DELAY SWITCH, POWER DISCONNECT.
2. SURFACE MOUNT WALL HEATER WITH BUILT-IN TAMPERPROOF THERMOSTAT CONTROL, THERMAL OVERLOAD, FAN DELAY SWITCH, POWER DISCONNECT SWITCH.
3. UNIT HEATER WITH BUILT-IN THERMOSTAT CONTROL, THERMAL OVERLOAD, FAN DELAY SWITCH, POWER DISCONNECT SWITCH, UNIVERSAL MOUNTIN BRACKET.
4. LINE VOLTAGE CONTROL RELAY. COORDINATE EXACT REQUIREMENTS WITH CONTROL MANUFACTURER.

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
FOR CONSTRUCTION

DRAWN: JEH DATE: 12-2-2024
CHECKED: JEH DATE: 12-2-2024
APPROVED: JEH DATE: 12-2-2024

PROJECT No. T60-11177

HVAC PLAN

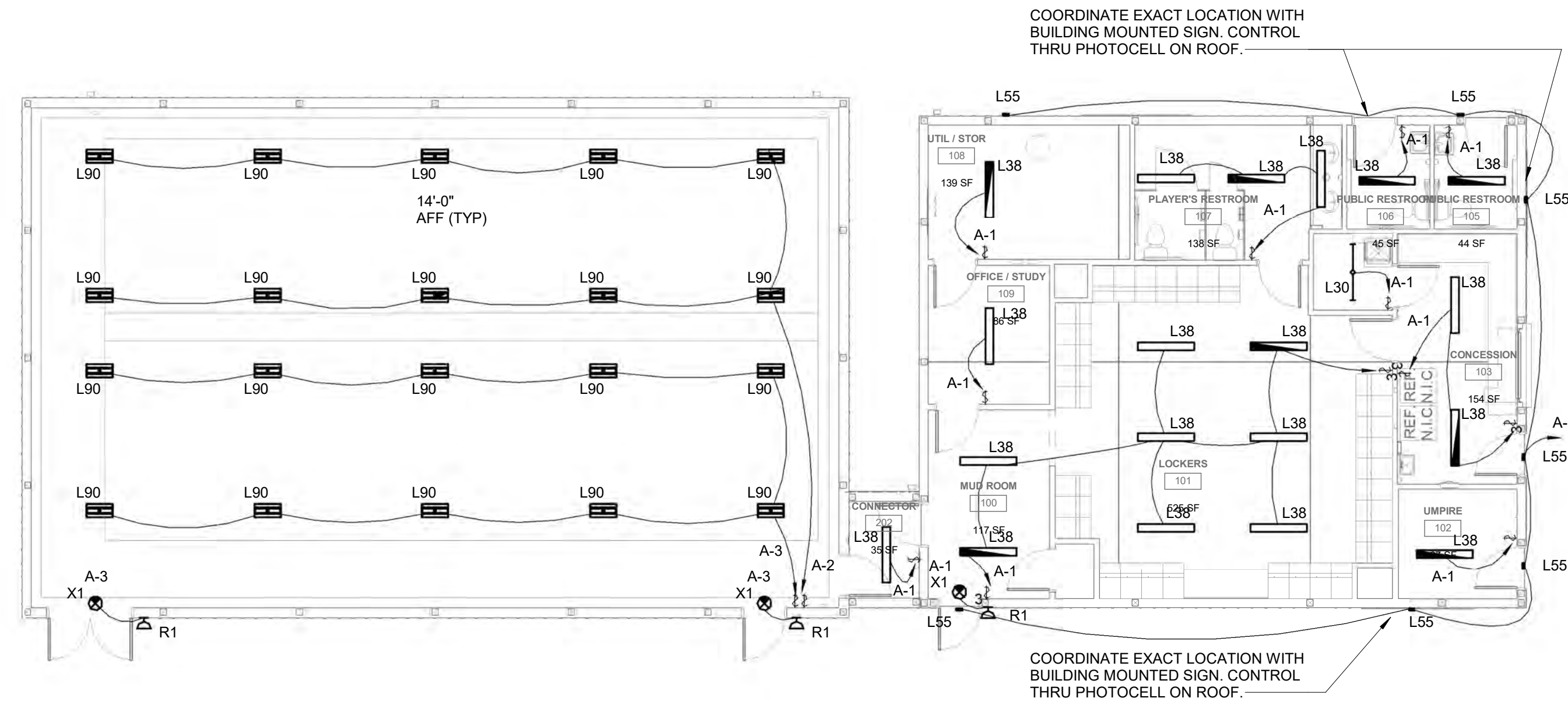
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M1.01

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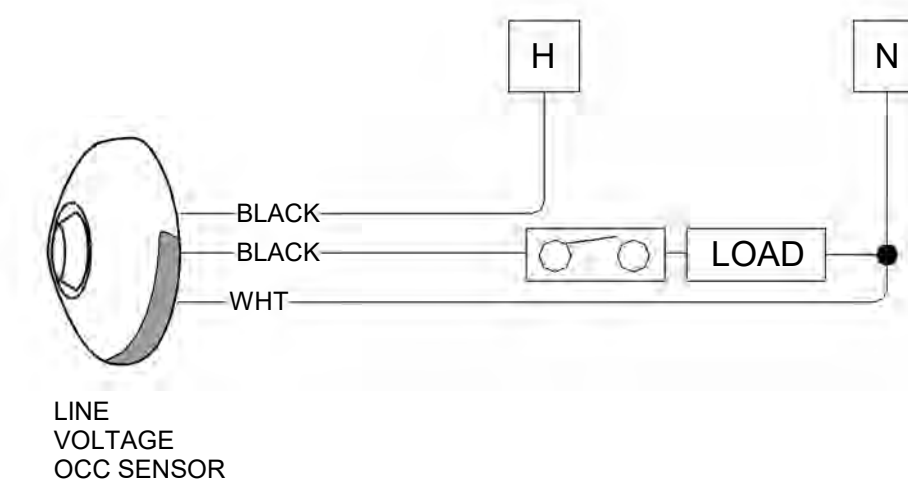
1 FIRST FLOOR LIGHTING PLAN
E1.01 1/8" = 1'-0"

LIGHTING FIXTURE SCHEDULE

MARK	LAMP	MOUNTING	MANUFACTURER	MODEL	DESCRIPTION	NOTES
L30	LED	PENDANT	LITHONIA COOPER DAY-BRITE	ZL2NL48 3000LM	4' STRIP W/ACRYLIC LENS ELECTRONIC DRIVER	120V
L38	LED	SURFACE	LITHONIA COOPER DAY-BRITE	FML4W48ALO6840MVOLT	4' LINEAR WRAP METAL HOUSING PLASTIC END CAPS WHITE POLYCARBONATE LENS DAMP LOCATION RATED	120V
L55	LED	WALL	LITHONIA COOPER DAY-BRITE	WPX0LEDALO	WALPAK SWITCHABLE LUMENS/COLOR TEMP DK BRONZE FINISH. WET LOCATION RATED	120V
L90	LED	PENDANT	LITHONIA COOPER DAY-BRITE	CPHB15000LMMD	LED LOWBAY FIXTURE ALUM HOUSING, ACRYLIC LENS, MED DIST WIREGUARD	120V
R1	LED	Surface	LITHONIA COOPER COLUMBIA	ELA NX	EMERGENCY EGRESS WALL LIGHT	6V
X1	LED	UNIV	LITHONIA COOPER DAY-BRITE	LHQMLEDRHO	EXIT SIGN WHITE/RED LETTERS, THERMOPLASTIC HOUSING NICAD BATTER, REMOTE CAPIBLE	120V

LIGHT FIXTURE SCHEDULE NOTES:

- VERIFY CEILING CONSTRUCTION TYPE WITH ARCHITECTURAL DRAWINGS TO DETERMINE WHETHER RECESSED LIGHTING FIXTURES SHALL BE FLANGE OR GRID TYPE MOUNTING.
- DIRECTIONAL INDICATOR ON EXIT SIGNS SHALL COMPLY WITH NFPA 101 SECTION 5-10.4.1.2.
- VERIFY VOLTAGE TO OPERATE FIXTURE WITH ELECTRICAL DRAWINGS.
- LIGHT FIXTURES SHALL COME COMPLETE WITH NECESSARY MOUNTING HARDWARE.
- ALL RECESSED LIGHT FIXTURES SHALL BE PAINTED AFTER FABRICATION.
- 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 (FOURTEEN) 14 DAYS PRIOR TO BID. ACCEPTED SUBSTITUTIONS SHALL BE REFLECTED IN AN ADDENDUM.
- SUPPLY HANGING BAR KITS WITH ALL RECESSED DOWN LIGHTS.
- EMERGENCY BATTERY PACK FOR LIGHT FIXTURES SHALL BE RATED TO SUPPLY A MINIMUM OF 600 INITIAL LUMENS.



OCCUPANCY SENSOR WIRING DIAGRAM
NOT TO SCALE

NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
DECEMBER 2, 2024
FOR CONSTRUCTION

DRAWN: JCS DATE: 12-2-2024
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PROJECT No. T60-11177

LIGHTING PLAN

SHEET No.

E1.01

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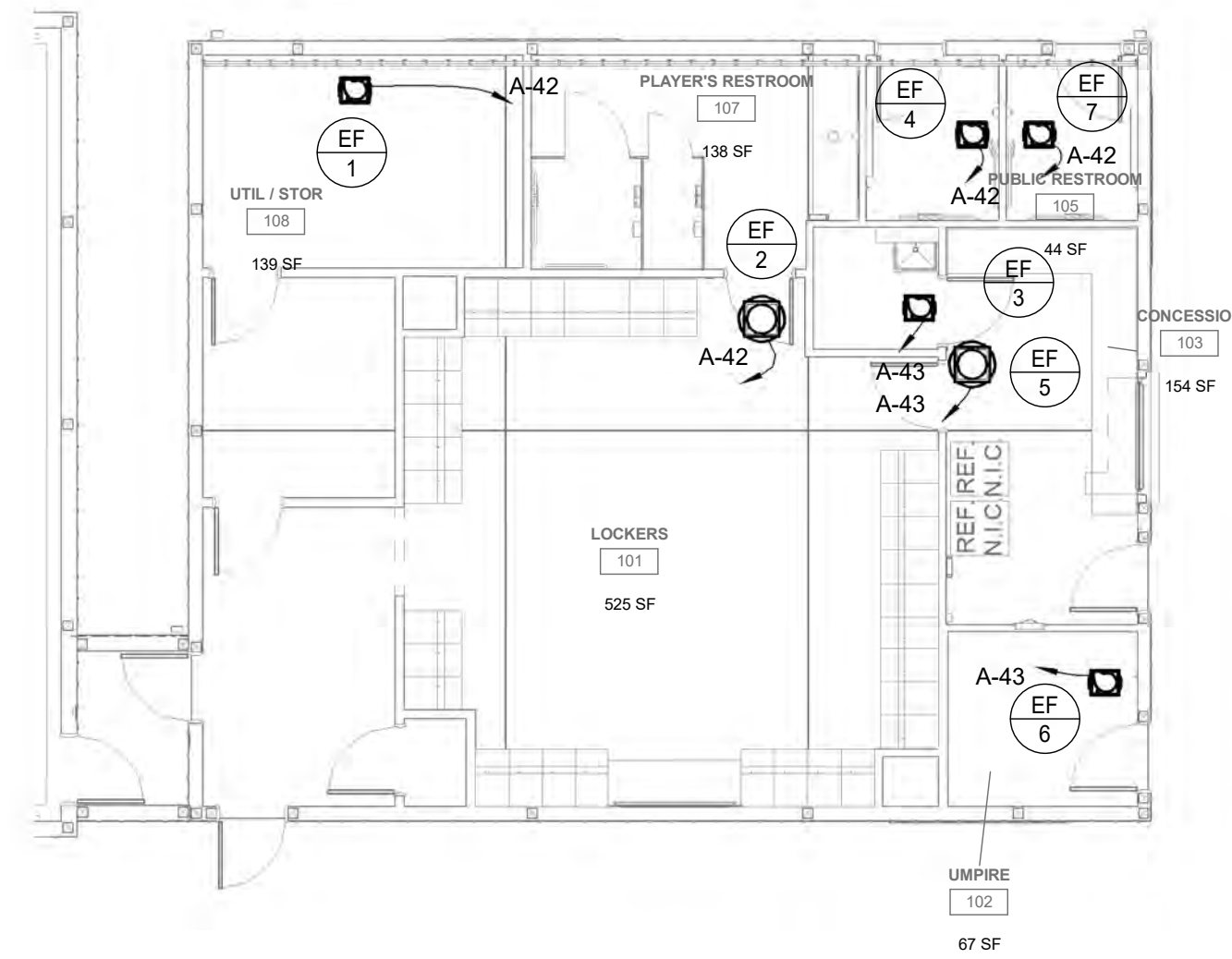


PLAN NOTES:

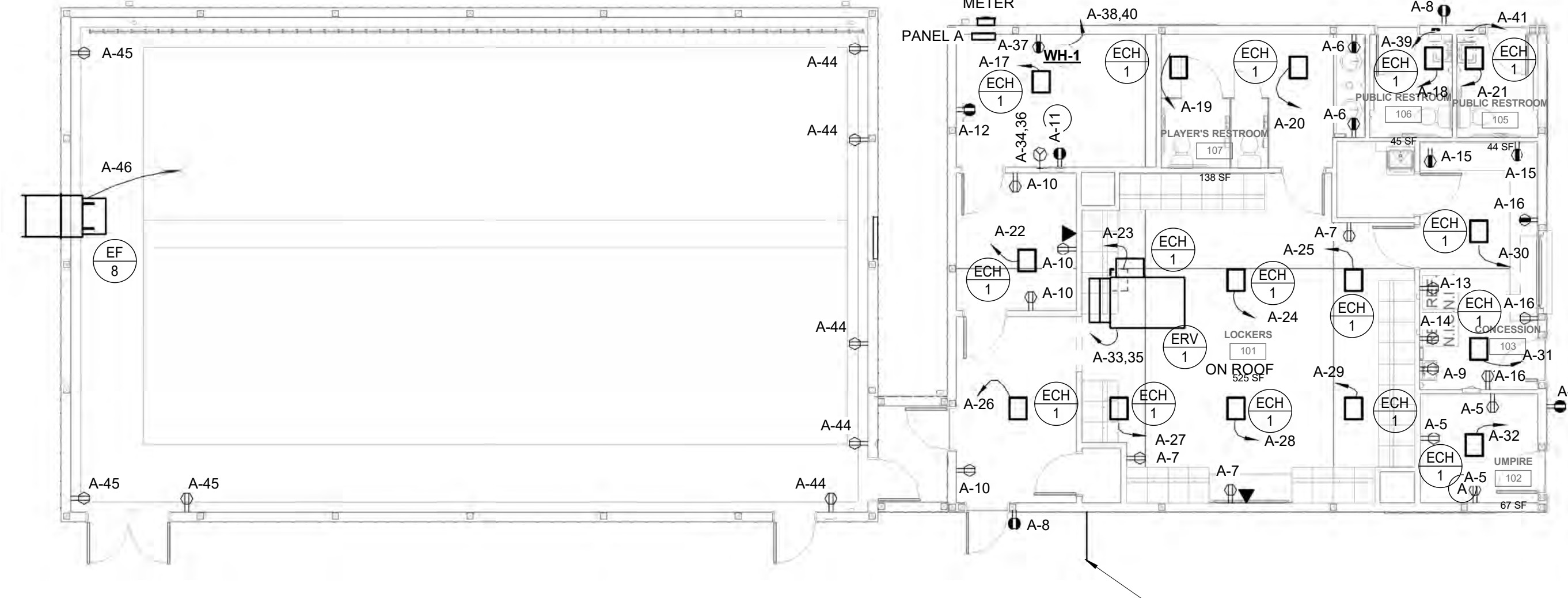
- A. HAND DRYER. COORDINATE INSTALLATION WITH MANUFACTURER'S CUTSHEET.
- B. STACKABLE WASHERS AND DRYERS.

GENERAL NOTES:

- 1. PROVIDE GFCI PROTECTION PER NEC 210.8.
- 2. ALL EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT AND SHALL HAVE WEATHER PROOF COVER EVEN WHILE "IN USE" PER NEC 406.9.
- 3. DATA CABLING SHALL BE CAT 6.



4 ALTERNATE FIRST FLOOR POWER PLAN
E2.01 1/8" = 1'-0"



1 FIRST FLOOR POWER PLAN
E2.01 1/8" = 1'-0"

2" CONDUIT WITH PULL STRING.
COORDINATE TERMINATION POINT
WITH OWNER PROVIDED FIBER OPTIC
LINE.

Branch Panel: A

Location: UTIL / STOR 108
Supply From: Meters
Mounting: Surface
Enclosure:
Volts: 120/240 Single
Phases: 1
Wires: 3
A.I.C. Rating: 22,000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

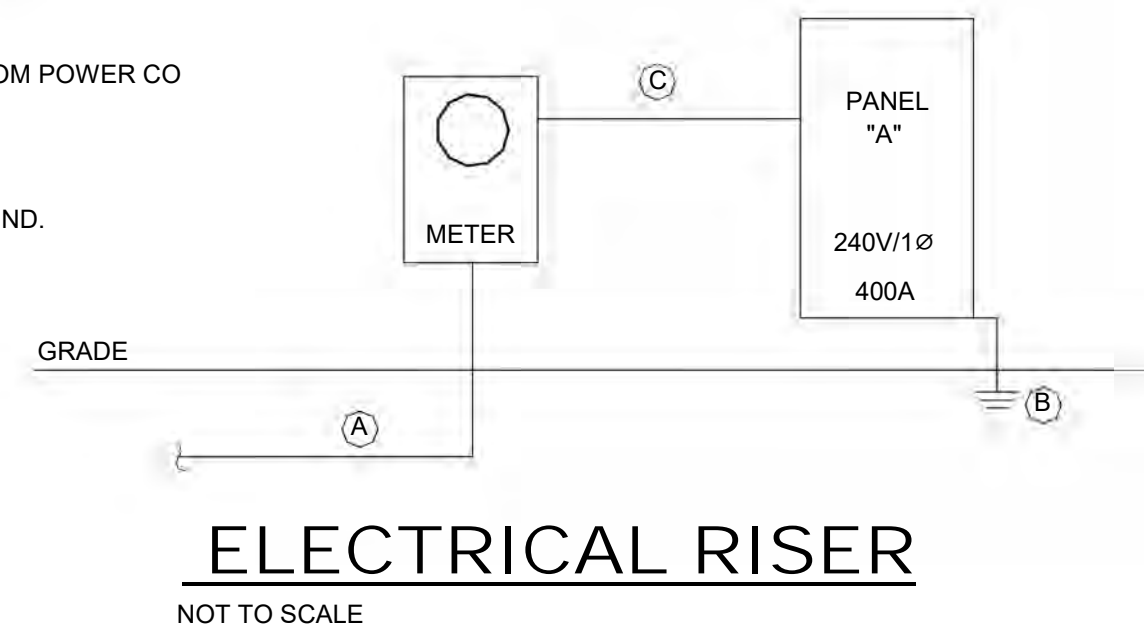
CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT
A-1	Lighting	20 A	1	909 VA	900 VA	1	20 A	Lighting	A-2
A-3	Lighting	20 A	1		900 VA 0 VA	1	20 A	Spare	A-4
A-5	Receptacle	20 A	1	540 VA	360 VA	1	20 A	Receptacle	A-6
A-7	Receptacle	20 A	1		540 VA 540 VA	1	20 A	Receptacle	A-8
A-9	RECEPTACLE REF	20 A	1	750 VA	720 VA	1	20 A	Receptacle	A-10
A-11	Receptacle washer	20 A	1		750 VA 180 VA	1	20 A	Receptacle	A-12
A-13	Receptacle	20 A	1	750 VA	750 VA	1	20 A	Receptacle REF	A-14
A-15	Receptacle	20 A	1		360 VA 540 VA	1	20 A	Receptacle	A-16
A-17	ECH-1	20 A	1	1500 VA	1500 VA	1	20 A	ECH-1	A-18
A-19	ECH-1	20 A	1		1500 VA 1500 VA	1	20 A	ECH-1	A-20
A-21	ECH-1	20 A	1	1500 VA	1500 VA	1	20 A	ECH-1	A-22
A-23	ECH-1	20 A	1		1500 VA 1500 VA	1	20 A	ECH-1	A-24
A-25	ECH-1	20 A	1	1500 VA	1500 VA	1	20 A	ECH-1	A-26
A-27	ECH-1	20 A	1		1500 VA 1500 VA	1	20 A	ECH-1	A-28
A-29	ECH-1	20 A	1	1500 VA	1500 VA	1	20 A	ECH-1	A-30
A-31	ECH-1	20 A	1		1500 VA 1500 VA	1	20 A	ECH-1	A-32
A-33				3912 VA	2500 VA				A-34
A-35	ERV-1	45 A	2		3912 VA 2500 VA	2	30 A	DRYER	A-36
A-37	Receptacle	20 A	1	180 VA	2250 VA				A-38
A-39	HAND DRYER	20 A	1		1450 VA 2250 VA	2	30 A	WATER HEATER	A-40
A-41	HAND DRYER	20 A	1	1450 VA	811 VA	1	20 A	EF-1,2,4,7	A-42
A-43	EF-3,5,6	20 A	1		533 VA 900 VA	1	20 A	Receptacle	A-44
A-45	Receptacle	20 A	1	540 VA	1656 VA	1	20 A	EF-8	A-46
A-47									A-48
A-49									A-50
A-51									A-52
A-53									A-54
Total Load:				30978 VA	27355 VA				
Total Amps:				258 A	228 A				

Legend:

Notes: CKT A-33,35 FOR ERV-1 - (2)-1P/20 BREAKERS IF ALTERNATE IS ACCEPTED
CKTS A-42, A-43 FOR EXHAUST ANS ONLY IF ALTERNATE IS ACCEPTED

RISER NOTES: x

- A. (1) - 4" CONDUIT WITH PULL STRING FROM POWER CO POLE.
- B. GROUND PER NEC.
- C. (1) - 3" CONDUIT WITH (3)-500MCM, 1/0 GND.



ELECTRICAL RISER

NOT TO SCALE

WIRE AND CONDUIT SIZE SCHEDULE

MOCP (AMP)	CONDUCTOR SIZE	GROUND SIZE	CONDUIT SIZE WITH GROUND		
			1-POLE	2-POLE	3-POLE
20	#12	#12	3/4"	3/4"	3/4"
30	#10	#10	3/4"	3/4"	3/4"
40	#8	#10	3/4"	3/4"	3/4"
50	#8	#10	3/4"	3/4"	3/4"
60	#6	#8	3/4"	3/4"	3/4"
70	#4	#8	1"	1"	1"
80	#4	#8	-	1"	1"
90	#3	#8	-	1 1/4"	1 1/4"
100	#2	#8	-	1 1/4"	1 1/4"
110	#2	#6	-	1 1/4"	1 1/4"
125	#1	#6	-	1 1/4"	1 1/4"
150	#1/0	#6	-	1 1/2"	1 1/2"
175	#2/0	#6	-	1 1/2"	2"
200	#3/0	#6	-	1 1/2"	2"
225	#4/0	#4	-	-	2-1/2"
250	250MCM	#3	-	-	2 1/2"
300	350MCM	#3	-	-	3"
350	500MCM	#3	-	-	4"
400	500MCM	#3	-	-	4"

INCREASE CONDUCTOR SIZE AS REQUIRED FOR MAXIMUM VOLTAGE DROP OF 2% FOR FEEDERS AND 3% FOR BRANCH CIRCUITS.

ALL CIRCUITS SHALL COMPLY WITH NEC AND OTHER APPLICABLE CODES.

CONDUCTOR SIZE BASED ON 75 DEGREE C LUGS.

NO.	BY	DATE	DESCRIPTION

SOFTBALL CLUBHOUSE
WEST LIBERTY UNIVERSITY
208 UNIVERSITY DRIVE, WEST LIBERTY, WV 26074
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POWER PLAN

SHEET No.

E2.01