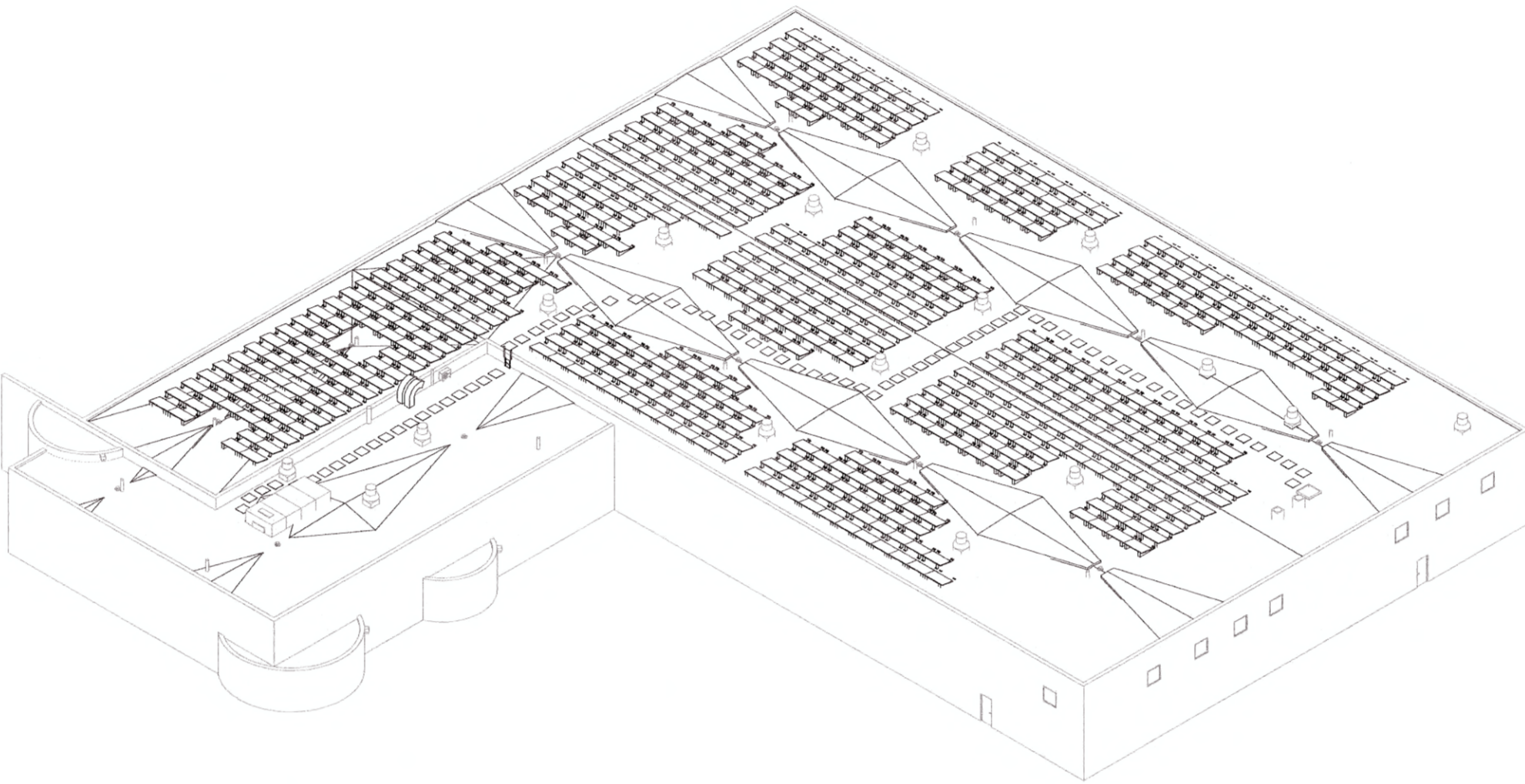


# RE-ROOFING OF BUS TERMINAL

FOR

## MOUNTAIN LINE TRANSIT AUTHORITY

MORGANTOWN, WEST VIRGINIA



LIST OF DRAWINGS	
DRAWING	TITLE
<b>SHEETS - GENERAL</b>	
G000	COVER SHEET
G001	ABBREVIATIONS & SYMBOLS
<b>SHEETS - ARCHITECTURAL</b>	
A000	ROOF DEMOLITION PLAN
A100	TAPERED INSULATION PLAN
A101	ROOF PLAN - NEW ROOFING
A102	ROOF PLAN - WALK PAD LAYOUT
A103	ROOF PLAN - REINSTALLATION OF SOLAR PANELS
A501	DETAILS
<b>SHEETS - ELECTRICAL</b>	
E001	ELECTRICAL COVER SHEET
E101	FLOOR PLANS POWER
E102	ROOF PLAN PV SYSTEMS DEMOLITION
E103	ROOF PLAN PV SYSTEMS NEW WORK
E201	POWER DISTRIBUTION DIAGRAM
E301	ELECTRICAL SPECIFICATIONS

ISSUED FOR BIDDING AND CONSTRUCTION

RE-ROOFING OF BUS TERMINAL  
FOR  
MOUNTAIN LINE TRANSIT AUTHORITY  
WESTOVER, WEST VIRGINIA



### REVISIONS

No.	ITEM	DATE

PROJ. NO.:2501003.00  
DATE:08/25/2025  
SHEET NO.:

**G000**

COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
ALL RIGHTS RESERVED.

COVER SHEET

C:\Users\alewis\Documents\Revit\Mountain Line Transit Authority Re-Roof\_Lod4e\wis 585.rvt

ABBREVIATIONS

@	AT	DL	DEAD LOAD	LIVE LOAD	LIVE LOAD	SAF	SYNTHETIC ATHLETIC FLOORING
A.B.	ANCHOR BOLT	DMH	DROP MANHOLE	LL GB	LEAD LINED GYPSUM BOARD	SAN	SANITARY
ABC	AGGREGATE BASE COURSE	DN	DOWN	LLH	LONG LEG HORIZONTAL	SB	SPLASH BLOCK
ABV	ABOVE	D.O.S.	DIAMETER OF SHAFT	LLV	LONG LEG VERTICAL	SC	SOLID CORE, SLIP-CRITICAL
A/C	AIR CONDITIONING	DOUG FIR	DOUGLAS FIR	LONG.	LONGITUDINAL	SCT	STRUCTURAL CLAY TILE
AC	AMORED CABLE	DR	DOR	LPS	LIQUID PENETRATING SEALER	SD	STORM DRAIN
ACCESS	ACCESS	DS	DOWNSPOUT	LSL	LONG SLOT	SEC	SECRETARY
ACST	ACOUSTIC, ACOUSTICAL	DWG	DRAWING	LT	LEFT	SECT	SECTION
A.C.T.	ACOUSTIC CEILING TILE	DVV	DRAIN, WASTE, VENT	LWC	LIGHTWEIGHT CONCRETE	SF	SQUARE FOOT
ACP	ASPHALTIC CONCRETE PAVING					SFP	SPRAYED FIRE PROTECTION
AD	ACCESS DOOR	(E)	EXISTING (CONSTRUCTION)	MAHOG	MAHOGONY	SFTWD	SOFTWOOD
ADD.	ADDITIONAL	(E)	EPOXY-COATED (REBAR)	MATL	MATERIAL	SG	SILTY GRAVEL
ADJ	ADJACENT	EA	EACH	MAX	MAXIMUM	SH	SHINGLES
AED	AUTOMATIC EXTERNAL DEFIBRILLATOR	EBF	ECCENTRICALLY BRACED FRAME	MECH	MECHANICAL	SHT	SHEET
AFF	ABOVE FINISH FLOOR	EC	EDGE OF CURB	MEMB	MEMBRANE	SHTHG	SHEATHING
AGGR	AGGREGATE	E.E.	EACH END	M.F.	MOMENT FRAME	SHT MTL	SHEET METAL (FLASHING)
AHR	ANCHOR	E.F.	EACH FACE	MFL	METAL	SHV	SHELVING
AHU	AIR HANDLING UNIT	EFC	EXPOSED FINISHED CONCRETE	MFR, MFRG	MANUFACTURER	SIM	SIMILAR
ALUMINUM	ANCHOR	EIFS	EXTERIOR INSULATION & FINISHING SYSTEM	MH	MANHOLE	SM	SHEET METAL
ALT	ALTERNATE	EL	ELEVATION	MIN	MINIMUM	SMP	SOLID MASONRY PIER
ANCH.	ANCHOR	ELEC.	ELECTRIC	MK	MARK	SMB	SMART BOARD
ANG B&M	ANGLE B&M	ELFV	ELEVATOR	MO	MASONRY OPENING	SP	SPACE, SPACES
ANOD	ANODIZED	E.T.B.	ELEVATION TOP OF BEAM	MON	MONUMENT	SPEC	SPECIFICATION
AP	ACCESS PANEL	E.T.F.	ELEVATION TOP OF FOOTING	MR	RECEPTOR MOP	SPF	SPRUCE-PINE-FIR
APP	ATACTIC PROPYLENE	E.T.S.	ELEVATION TOP OF SHAFT	MT	MOUNT	SPR	SPRINKLER
APPR	APPROVED	E.T.W.	ELEVATION TOP OF WALL	MTO	MOUNTING	SQ	SQUARE
APPROX.	APPROXIMATE	N.	EDGE NAILING	MULL	MULLION	SQ BR	SQUARE BAR
ARCH	ARCHITECTURAL, ARCHITECT	ENGR	ENGINEER	MULLF	MULLION	SS	SANITARY SEWER, STAINLESS STEEL
ASPH	ASPHALT	EOS	EDGE OF SLAB	MWFRS	MAIN WIND FORCE RESISTING SYSTEM	SDD	SURFACE DRAIN
AUTO.	AUTOMATIC	EPX	EPOXY POURED FLOOR	MWP	MEMBRANE WATERPROOFING	SSL	SHORT SLOT
AVG	AVERAGE	EQ	EQUAL			SSM	SOLID SURFACE MATERIAL
		EQUIP	EQUIPMENT	(N)	NEW (CONSTRUCTION)	SSP	STAINLESS STEEL PIPE
(B)	BOTTOM	EV	EVERGREEN	NA	NOT APPLICABLE	SST	STAINLESS STEEL
B/	BOTTOM OF	E.W.	EACH WAY	NIC	NOT IN CONTRACT	ST	STREET, SNUG-TIGHTENED
B PL	BASE PLATE	EWG	ELECTRIC WATER COOLER	NKL	NICKEL	STA	STATION
BAFFLE	BAFFLE	EXC	EXCAVATE, EXCAVATION	NLB	NON LOAD BEARING	STD	STANDARD
BASEBOARD	BASEBOARD	EXH	EXHAUST	NO, NOS	NUMBER, NUMBERS	STL	STEEL
BD	BOARD	EXP	EXPOSED	NS	NEAR SIDE	STL GL	STAINED GLASS
BD FT	BOARD FEET	EXP JT	EXPANSION JOINT	NS/FS	NEAR SIDE AND FAR SIDE	STL LNTL	STEEL LINTEL
BDG	BRIDGING	EXPS	EXPOSED PAINTED STRUCTURE	NTS	NOT TO SCALE	STL PL	STEEL PLATE
BDNG	BEDDING	EXIST	EXISTING			STL RF DK	STEEL ROOF DECK
BET	BETWEEN	EXT	EXTERIOR			STL TB	STEEL TUBE
BF	BACK FACE					STL TR	STEEL TRUSS
BFF	BELOW FINISH FLOOR	F TO F	FACE TO FACE	OUT TO OUT	OUT TO OUT	STNLS	STAINLESS
BITUM	BITUMINOUS	FAS	FASCIA	OA	OVERALL	STOR	STORAGE
B OR BL	BUILDING LINE, BASE LINE	FC BRK	FACE BRICK	O.C.	ON CENTER	STS	STEEL TROWELED SURFACE
BKBD	BACKBOARD	FD	FLOOR DRAIN	O.D.	OUTSIDE DIAMETER	STRUCT STL	STRUCTURAL STEEL
BKNG	BACKING	FDN	FOUNDATION	O.F.	OUTSIDE FACE	STRUCT	STRUCTURE, STRUCTURAL
BL	BEARING LINE	FE	FIRE EXTINGUISHER	OGL	OBSCURE GLASS	STSTL	STAINLESS STEEL
B/L	BOUNDARY LINE	FEC	FIRE EXTINGUISHER CABINET	OPG	OPENING	SUBSTA	SUBSTATION
B/L	BRACING LINE	FF	FINISH FLOOR, FRONT FACE	OPP	OPPOSITE	SUP	SUPPLY
BLDG	BUILDING	FGL	FIBERGLASS	OQO	OPAQUE	SURF	SURFACE
BLKG	BLOCKING	OHYD	FIRE HYDRANT	OSB	ORIENTED STRAND BOARD	SUSPD	SUSPENDED
BLW	BELOW	OVH	OVERHEAD	OVS	OVERSIZE(D)	SV	SHEET VINYL
BLW FL	BELOW FLOOR	FL	FLOOR	OWGL	OBSCURE WIRED GLASS	SW	SIDEWALK, SHEARWALL
BM	BEAM, BENCH MARK	FL FIN CONC	FLOAT FINISH CONCRETE			SYM	SYMMETRIC
B.N.	BOUNDARY NAILING	FLEX	FLEXIBLE	PAGB	PAINTED ABUSE RESISTANT GYPSUM BOARD	SYNTH	SYNTHETIC
BOTTOM	BOTTOM	FLG	FLANGE	PAR	PARAPET	(T)	TOP
BR	BARE ROOT	FLSH	FLASHING	PBD	PARTICLE BOARD	T/	TOP OF
BRG	BEARING	FMBD	FORM BOARD	PC, P.C.	PORTLAND CEMENT, PRECAST CONCRETE	T	TREAD
BRK	BRICK	F.O., F/O	FACE OF	PCF	POUNDS PER CUBIC FOOT	T & B	TOP AND BOTTOM
BRLP	BURLAP	FRT	FIRE RESISTANT TREATED	PCP	PRECAST CONCRETE PANEL	T & CS	TONGUE AND GROOVE
BROWNZ	BROWN	FT	FOOT, FEET	PCT	PAINTED CONCRETE SURFACE	TBE	TRUSS BEARING ELEVATION
BSMT	BASEMENT	FTG	FOOTING	PEG	PEDESTAL	TC	TERRA COTTA
BSP	BLACK STEEL PIPE	FUR	FURRED (ING)	PH	PHASE	TD	TRENCH DUCT
		FURN	FURNISH	PI	POINT OF INTERSECTION	TEL	TELEPHONE
C/C, C TO C	CENTER TO CENTER	G	GIRDER	PGB	POLYISOBUTYLENE	TEMP	TEMPERATURE
C&C CONC	CAST CONCRETE	GA	GAGE, GAUGE	PGB	PAINTED IMPACT RESISTANT GYPSUM BOARD	T/F, T/FTG.	T/O OF FOOTING
CAB	CABINET	GALV	GALVANIZE, GALVANIZED	PL	PLATE	THK	THICK
CANT., CANTIL	CANTILEVER	GC	GENERAL CONTRACTOR	PLBG	PLUMBING	THRES	THRESHOLD
CANV	CANVAS	GFE	GOVERNMENT FURNISHED EQUIPMENT	PLAM	PLASTIC LAMINATE	TKBD	TACKBOARD
CB	CEMENT BASE	GFECl	GOVERNMENT FURNISHED EQUIPMENT, CONTRACTOR INSTALLED	PLAS	PLASTER	TMPD	TEMPERED
CBF	ECCENTRICALLY BRACED FRAME			PLATF	PLATFORM	TMPD GL	TEMPERED GLASS
C.E.	CONTINUOUS END	GFM	GOVERNMENT FURNISHED MATERIAL	PLF	POUNDS PER LINEAL FOOT	TMPD HDBD	TEMPERED HARDBOARD
CEM	CEMENT	GFRC	GLASS-FIBER REINFORCED CONCRETE	PLF	PLATE	TN	TRUE NORTH
CEM FIN	CEMENT FINISH	GFRC	GLASS-FIBER REINFORCED CONCRETE	-P	PLUS/MINUS	T O C	TOP OF CONCRETE
CEM PLAS	CEMENT PLASTER	GRFP	GLASS-FIBER REINFORCED GYPSUM	PLYWD	PLYWOOD	T.O.S.	TOP OF SLAB
CF	CORNER GUARD	GL	GLASS	PMBC	PLANT MIX BITUMINOUS CONCRETE	TRTD	TREATED
CHKR	CHECKER, CHECKERED	GLZ	GLAZING	PMGB	PAINTED MOISTURE RESISTANT GYPSUM BOARD	TS	TUBE STEEL
CH BD	CHALKBOARD	GOVT	GOVERNMENT	PNT	PANEL	T/S	TOP OF STEEL
CHR PL	CHROME PLATED	GRD	GRADE	POL	POLISH, POINT OF LINE	T/W	TOP OF WALL
CI	CAST IRON	GRND	GROUND	POLY	POLYETHYLENE	TYP	TYPICAL
CIP	CAST IRON PIPE	GRTG	GRATING	PORC	PORCELAIN	U.L.	UNDERWRITERS LABORATORY
CISP	CAST IRON SOIL PIPE	GSB	GYPSUM SHEATHING BOARD	POTW	POTABLE WATER	U.O.N.	UNLESS OTHERWISE NOTED
CJ	CONTROL JOINT	GUT	GUTTER	PP	POLYPROPYLENE	UNPY RD	UNPAVED ROAD
CL, -C	CENTER LINE	PVL	GRAVEL	PPGL	POLISHED PLATE GLASS	UR	URINAL
CLDG	CLADDING	PS	GYPSUM	PS	POLYSTYRENE	U.S.	URINAL SCREEN
CLG	CEILING	PS CONC	GYPSUM PLASTER	PSF	PRESTRESSED CONCRETE	UTIL	UTILITY
CLO	CLOSET	PSF	GYPSUM WALLBOARD	PSF	PRESTRESSED CONCRETE	VAT	VINYL ASBESTOS TILE
CLR	CLEAR	PT		PT	PARTITIONED	VB	VAPOR BARRIER
CLWG	CLEAR WIRED GLASS	PTN		PTN	PARTITION	VCT	VINYL COMPOSITION TILE
CMP	CORRUGATED METAL PIPE	P.T.		P.T.	PRESSURE TREATED	VERT	VERTICAL
CMPSN	COMPOSITION	PUR		PUR	PURLINS	VEST	VESTIBULE
CMU	CONCRETE MASONRY UNIT	PVA		PVA	POLYVINYL ACETATE	VT	VINYL TILE
CND	CONDUIT	PVC		PVC	POLYVINYL CHLORIDE	VW	VINYL WOOD
CNR	CORNER	PVF		PVF	POLYVINYL FLUORIDE	VWC	VINYL WALL COVERING
CO	CLEANOUT	PVMT		PVMT	PAVEMENT	VWF	VINYL WALL FABRIC
COL	COLUMN	QT		QT	QUARRY TILE	W	WATER MAIN
COMP	COMPRESSED, COMPOSITE					W/	WITH
CONC	CONCRETE					W/, w/	WITHOUT
CONST	CONSTRUCTION					W/O, w/o	WAINSCOT
CONT	CONTINUOUS, CONTINUATION					WB	WOOD BASE
CONTR	CONTRACT, CONTRACTOR					WBL	WOOD BLOCKING
CORR	CORRUGATED, CORRIDOR					WBS	WROUGHT BRASS
CP	CEMENT PIPE					WDC	WOOD CLAD
CPT	CARPET	IB	I BEAM			WC	WATER CLOSET
CRS	COLD-ROLLED STEEL	I.D.	INSIDE DIAMETER			WD	WOOD
CS	CAST STONE	I.F.	INSIDE FACE			WDPT	WOOD (PRESSURE TREATED)
CSC	CURED SEALED CONCRETE	I.F.H.	INSIDE FACE HORIZONTAL			WDW	WINDOW
CSN, JT.	CONSTRUCTION JOINT	I.F.V.	INSIDE FACE VERTICAL			WF	WIDE FLANGE
CSP	CEMENT SEWER PIPE	INFL	INFLUENT			WFR	WOOD FRAME
CSTL	CAST STEEL	INN	INNER			WGL	WIRED GLASS
CT	CERAMIC TILE	INSUL	INSULATION			WI	WROUGHT IRON
CUT STN	CUT STONE	INV	INVERT, INVERSE			WM	WIRE MESH
CTB	CERAMIC TILE BASE	IP	IRON PIPE, IRON PIN			WMP	WIRE MESH PARTITION SYSTEM
CTR	CENTER	ISO, JT.	ISOLATION JOINT			WP	WORKING POINT, WEATHERPROOF
CU, FT.	CUBIC FOOT	JBE	JOIST BEARING ELEVATION			WPF	WATERPROOFING
CU YD	CUBIC YARD	JC	JANITOR'S CLOSET			WPM	WATERPROOF MEMBRANE
CULV	CULVERT	JST	JOIST			WS	WEATHER STRIP
		JT	JOINT			WRF	WEATHER SEAL
		K	THOUSAND			WST	WASTE
DAT	DATUM	KIP	KILO-POUND (1000 POUNDS)			WT	WINDOW TYPE
DBL	DOUBLE					WTR	WATER
D.E.	DECK EDGE, DISCONTINUOUS END	LA	LAMINATE			WVC	WOOD VENEER WALL COVERING
DECI	DECIDUOUS	LAM GL	LAMINATED GLASS			WWF	WELDED WIRE FABRIC
DEM	DEMOUNTABLE	LAT	LATTICE			WWW	WELDED WIRE MESH
DEPT	DEPARTMENT	LAV	LAVATORY			WWR	WELDED WIRE REINFORCEMENT
DET	DETAIL	LAY	LAYER				
DF	DRINKING FOUNTAIN	LB	LUMBER				
DFT	DRY FILM THICKNESS	LBearing	LOAD BEARING				
DI	DROP INLET, DUCTILE IRON	LKR	LOCKER				
DIA	DIAMETER						
DIR	DIRECTION						
DISP	DISPENSER						

SYMBOL LEGEND

SYMBOL	DESCRIPTION
	CONCRETE
	CLAY UNIT MASONRY
	CONCRETE UNIT MASONRY
	WOOD FRAMING
	PLYWOOD
	FINISHED WOOD
	BATT INSULATION
	RIGID INSULATION
	GYPSUM BOARD
	SOIL
	CRUSHED STONE
	CENTER LINE
	HIDDEN LINE
	VIEW TITLE
	ELEVATION MARKER
	SECTION MARKER
	DETAIL CALLOUT
	ROOM TAG
	GRID LINE MARKER
	ELEVATION DATUM
	SPOT ELEVATION MARK
	WALL TAG
	WALL REINFORCING TAG
	DOOR TAG
	WINDOW TAG

GENERAL NOTES

- THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE, THE LIFE SAFETY CODE (NFPA 101-2021) AND THE STATE FIRE CODE.
- WRITTEN SPECIFICATIONS FOR THE PROJECT ARE PROVIDED TO ESTABLISH AND MAINTAIN A LEVEL OF MANUFACTURE AND QUALITY. ALL SUBSTITUTION REQUESTS MUST BE MADE IN WRITING NO LESS THAN (10) BUSINESS DAYS PRIOR TO THE DATE OF THE BID. ANY ACCEPTED SUBSTITUTION SHALL BE MADE BY WRITTEN ADDENDUM FROM THE OFFICE OF THE ARCHITECT PRIOR TO THE BID DATE.
- CONSTRUCTION METHODS, PROCEDURES AND SEQUENCES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEANS TO MAINTAIN AND PROTECT THE STRUCTURAL INTEGRITY OF ALL CONSTRUCTION AT ALL STAGES. THE DESIGN FIRM(S) SHALL NOT BE RESPONSIBLE FOR THE NEGLIGENCE OF THE CONTRACTOR(S), SUB-CONTRACTOR(S) OR ANY OTHER PERSON(S) INVOLVED IN THE WORK, OR IN THE FAILURE OF SAID PERSON(S) TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- WRITTEN SPECIFICATIONS SHALL SUPERSEDE DRAWINGS.
- DIMENSIONS SHALL SUPERSEDE DRAWINGS. DO NOT SCALE DRAWINGS. WHERE A MISSING OR CONFLICTING DIMENSION OCCURS, THE ARCHITECT SHALL BE CONTACTED IMMEDIATELY TO OBTAIN THE NECESSARY CLARIFICATION.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS IMMEDIATELY UPON DISCOVERY.
- COMMENCEMENT OF THE WORK SHALL SIGNIFY THE CONTRACTOR IS FAMILIAR WITH AND AGREES TO THE SCOPE OF WORK AS OUTLINED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL ABIDE BY ALL SAFETY RULES AND REGULATIONS IMPOSED BY OSHA AND THE OWNER AT ALL TIMES. IF THERE IS A CONFLICT BETWEEN THE TWO, THE STRICTER REGULATION SHALL APPLY.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEANS TO MAINTAIN AND PROTECT ADJACENT PROPERTY FROM DAMAGE DURING THE PROCESS OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF ALL MATERIALS RESULTING FROM THE WORK OF THIS PROJECT. THE PROJECT SITE SHALL AT ALL TIMES BE MAINTAINED IN AN ORDERLY MANNER SO AS TO MINIMIZE ACCUMULATION OF WASTE AND/OR SURPLUS MATERIALS. PROPER DISPOSAL RECEIPTS SHALL BE OBTAINED AND RETAINED FOR OWNER'S REVIEW. AT THE COMPLETION OF THE WORK THE CONTRACTOR SHALL REMOVE ALL DEBRIS, SURPLUS MATERIAL AND CONSTRUCTION EQUIPMENT FROM THE PREMISES.
- SHOP DRAWINGS ARE REQUIRED AS LISTED IN THE PROJECT MANUAL.

BUILDING CODE ANALYSIS

**OCCUPANCY**  
NFPA 101 2021 - STORAGE  
IBC/IEBC 2018 - STORAGE GROUP(S)

**BUILDING TYPE**  
NFPA 101 - I(000)  
IBC 2018 - TYPE IIB

**GROSS SQ. FOOTAGE**  
37,943 SF

SPRINKLERS - FULLY SPRINKLED

PROJECT DESCRIPTION

REMOVAL AND REINSTALLATION OF EXISTING ROOFING MATERIAL AND INSULATION, AND EXISTING SOLAR PANEL ARRAY LOCATED ON THE ROOFTOP OF THE BUILDING LOCATED AT 420 DUPONT ROAD, WESTOVER, WEST VIRGINIA.

DEFINITIONS

PROVIDE: FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.

FURNISH: SUPPLY AND DELIVER TO PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.

INSTALL: UNLOAD, TEMPORARILY STORE, UNPACK, ASSEMBLE, ERECT, PLACE, ANCHOR, APPLY, WORK TO DIMENSION, FINISH, CURE, PROTECT, CLEAN, AND SIMILAR OPERATIONS AT PROJECT SITE.

EXISTING TO REMAIN (OR EXISTING) (OR EX.): LEAVE EXISTING ITEMS THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE SALVAGED OR REINSTALLED.

REMOVE (OR DEMOLISH) (OR DEMO): DETACH ITEMS FROM EXISTING CONSTRUCTION AND DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.

REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION, IN A MANNER TO PREVENT DAMAGE, AND DELIVER TO OWNER READY FOR REUSE.

REMOVE AND REINSTALL (OR REMOVE AND REUSE): DETACH ITEMS FROM EXISTING CONSTRUCTION, IN A MANNER TO PREVENT DAMAGE, PREPARE FOR REUSE, AND REINSTALL WHERE INDICATED.

DISMANTLE: TO REMOVE BY DISASSEMBLING OR DETACHING AN ITEM FROM A SURFACE, USING GENTLE METHODS AND EQUIPMENT TO PREVENT DAMAGE TO THE ITEM AND SURFACES; DISPOSING OF ITEMS UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.

DISPOSE: REMOVAL OFF-SITE OF DEMOLITION AND CONSTRUCTION WASTE AND SUBSEQUENT SALE, RECYCLING, REUSE, OR DEPOSIT IN LANDFILL OR INCINERATOR ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND IN ACCORDANCE WITH PROJECT REQUIREMENTS.

Alpha

ARCHITECTS ENGINEERS

ALPHA ASSOCIATES, INC.

209 PRAIRIE AVENUE

MORGANTOWN, WV 26501

PHONE: 304-296-8216

www.thinkALPHAfirst.com

ISSUED FOR BIDDING AND CONSTRUCTION

FOR

RE-ROOFING OF BUS TERMINAL

MOUNTAIN LINE TRANSIT AUTHORITY

WESTOVER, WEST VIRGINIA

REVISIONS		
No.	ITEM	DATE

PROJ. NO.:2501003.00  
DATE:08/25/2025  
SHEET NO.:

G001

COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
ALL RIGHTS RESERVED

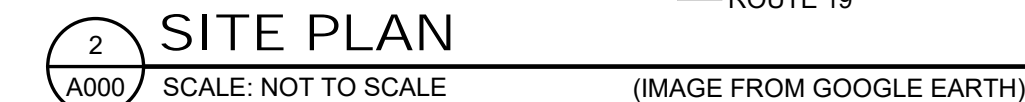
ABBREVIATIONS & SYMBOLS

8/25/2025 11:52:29 PM

## GENERAL RE-ROOFING DEMOLITION NOTES

1. G.C. TO PROTECT OCCUPIED AREAS OF BUILDING FROM DUST & DEBRIS DURING CONSTRUCTION.
2. PRIOR TO ANY DEMOLITION A PHASING PLAN MUST BE IN PLACE THAT ADDRESSES THE ORDER OF DEMOLITION AND THE TIMING OF DEMOLITION. THIS PLAN IS TO BE COMMUNICATED NOT ONLY TO THE OWNER, BUT THE OWNER'S REPRESENTATIVE ON SITE THAT WILL COMMUNICATE SAID PLAN TO EMPLOYEES OF THE OCCUPIED SPACE. THE BUILDING IS TO REMAIN OCCUPIED DURING THE DEMOLITION AND RENOVATION OF THE BUILDING.
3. PRIOR TO DEMOLITION OF THE EXTERIOR ELEMENTS, A PLAN MUST BE IN PLACE THAT ADDRESSES THE PROTECTION OF THE INTERIOR SPACE FROM EXPOSURE TO THE ELEMENTS AND THE SECURITY OF THE PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE OF THE CONTRACTOR TO MAINTAIN THE BUILDING SECURITY AND PROTECTION FROM EXPOSURE TO THE ELEMENTS FOR THE DURATION OF THE PROJECT.
4. EXCESSIVE NOISE MAKING ACTIVITIES SHALL BE SCHEDULED IN ADVANCE WITH THE OWNER'S REPRESENTATIVE AND PERFORMED AT SUCH TIME OF DAY SO AS TO MINIMIZE DISRUPTION TO THE ACTIVITY OF THE OCCUPANTS.
5. DEMOLITION DEBRIS SHALL BE REMOVED DAILY FROM THE WORK AREA AND SHALL NOT BE ALLOWED TO COLLECT. A CONSTRUCTION DEBRIS WASTE AND RECYCLING PLAN SHALL BE IN PLACE PRIOR TO START OF DEMOLITION.
6. NO ON SITE BURNING SHALL BE ALLOWED.
7. CONTRACTOR TO PROVIDE SAFETY TRAINING AND A WORKPLACE ENVIRONMENT CONSISTENT WITH OSHA AND STATE LABOR RULES AND REGULATIONS.

1. PLUG ROOF DRAINS FIRST TO DEMOLITION TO PREVENT DEBRIS FROM ENTERING STAKES.
2. **ROOF "A" IS TO HAVE SOLAR PANEL ARRAY DISCONNECTED AND RELOCATED TO ADJACENT PARKING AREA FOR TEMPORARY STORAGE.**
  - A. DISPOSE OF BALLAST.
  - B. REMOVE ELECTRICAL WIRING AND JUNCTION BOXES IN ANTICIPATION OF RE-ROOFING. SEE ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
  - C. REMOVE AND RELOCATE SOLAR PANEL FRAMES FOR RE-USE AND RE-INSTALLATION.
  - D. REMOVE AND RELOCATE PANEL RACKING SYSTEM (ECOFOOT) FOR RE-USE AND REINSTALLATION.
3. **ROOF A & B TO BOTH HAVE THE FOLLOWING:**
  - A. EXISTING ROOFING MEMBRANE TO BE REMOVED AND DISPOSED.
  - B. EXISTING WOOD FIBER BOARD TO BE REMOVED AND DISPOSED.
  - C. EXISTING INSULATION TO BE REMOVED AND DISPOSED.
    - a. AREAS OF "WET" INSULATION FROM A PREVIOUS INFRARED MOISTURE SURVEY ARE SHOWN FOR INFORMATIONAL PURPOSES TO INDICATE LOCATIONS OF POSSIBLE METAL DECK REPLACEMENT. HOWEVER, NO METAL DECK REPLACEMENT IS TO BE INCLUDED IN BID. REVIEW OF STRUCTURE FROM UNDERNEATH AREAS DID NOT INDICATE THE METAL DECK HAS BEEN COMPROMISED.
  - D. RETAIN METAL DECK.
  - E. REMOVE EXISTING ALUMINUM COPING AND DISPOSE.



# ISSUED FOR BIDDING AND CONSTRUCTION

**RE-ROOFING OF BUS TERMINAL  
FOR  
MOUNTAIN LINE TRANSIT AUTHORITY  
WESTOVER, WEST VIRGINIA**

## EYPLAN

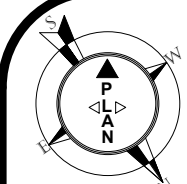
## REVISIONS

[illegible]

PROJ. NO.:2501003.00  
DATE:08/25/2025  
SHEET NO.:

# A000

COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
ALL RIGHTS RESERVED



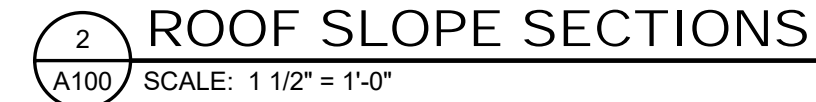
## ROOF DEMOLITION PLAN

SLOPES SHOWN ARE GENERAL IN NATURE AND ARE TO BE MODIFIED TO INCLUDE CRICKETS AT EXISTING EXHAUST FAN LOCATIONS. CONTRACTOR TO SUBMIT SHOP DRAWINGS INDICATING LOCATIONS FOR APPROVAL PRIOR TO FABRICATION.

1. PROVIDE AND MECHANICALLY FASTEN AVERAGE **R20** POLYISOCYANURATE STARTING WITH 1.5" TAPER.
2. SHOW DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION
3. FOLLOW SLOPE INDICATORS ON DRAWINGS: TAPERED SLOPE 1/4", CRICKET SLOPE 1/2"
4. RAISE CURBS WHERE NECESSARY ON EXISTING EXHAUST FANS AND OTHER ROOF TOP EQUIPMENT TO PROVIDE POSITIVE DRAINAGE TO ROOF DRAINS WITH "SUMPS" AS SHOWN.
5. MINIMUM CURB HEIGHTS ARE 8" SEE RELATED DETAILS
6. PLUMBING STACK MINIMUM 12"
7. MINIMUM CURB HEIGHT AT MECHANICAL EQUIPMENT IS 8"
8. PROVIDE AND INSTALL APPROPRIATE CANTS AT EXISTING EXHAUST FANS, ETC.
9. PROVIDE WOOD BLOCKING AT NEW INSULATION HEIGHT AT PERIMETER EDGE, READY TO RECEIVE ALUMINUM COPING
10. TAPER INSULATION TO SUMPS AT ROOF DRAINS
11. PROVIDE AND INSTALL WITH APPROPRIATE ADHESION 1/2" DENS DECK COVER BOARD.

1. PROVIDE AND MECHANICALLY FASTEN AVERAGE **R30** POLYISOCYANURATE STARTING WITH 2.5" TAPER.
2. SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION
3. FOLLOW SLOPE INDICATORS ON DRAWINGS: TAPERED SLOPE 1/4", CRICKET SLOPE 1/2"
4. RAISE CURBS WHERE NECESSARY ON EXISTING EXHAUST FANS AND OTHER ROOF TOP EQUIPMENT TO PROVIDE POSITIVE DRAINAGE TO ROOF DRAINS WITH "SUMPS" AS SHOWN.
5. MINIMUM CURB HEIGHTS ARE 8" SEE RELATED DETAILS
6. PLUMBING STACK MINIMUM 12"
7. MINIMUM CURB HEIGHT AT MECHANICAL EQUIPMENT IS 8"
8. PROVIDE AND INSTALL APPROPRIATE CANTS AT EXISTING EXHAUST FANS, ETC.
9. PROVIDE WOOD BLOCKING AT NEW INSULATION HEIGHT AT PERIMETER EDGE, READY TO RECEIVE ALUMINUM COPING
10. TAPER INSULATION TO SUMPS AT ROOF DRAINS
11. PROVIDE AND INSTALL WITH RECOMMENDED ADHESION 1/2" DENS DECK COVER BOARD.
12. HALF CIRCLE CANOPIES TO HAVE 0.5" OF INSULATION WITH 1/2" DENS DECK COVER BOARD.

- EXHAUST FAN
- ROOF DRAIN (RD)
- OVERFLOW DRAIN (OF)
- ⇒ SLOPE INDICATOR



SCALE: 1/16" = 1'-0"

EXISTING SCUPPER (VERIFY  
LOCATION IN FIELD)

HALF-CIRCLE  
CANOPY

— EXISTING SCUPPER (VERIFY LOCATION IN FIELD)

— HALF-CIRCLE  
CANOPY

— ROOFING CONTRACTOR TO PROVIDE APPROPRIATE CRICKET AROUND EXHAUST FAN AND OTHER PENETRATIONS TO PROVIDE POSITIVE DRAINAGE (TYP. ALL)

# ISSUED FOR BIDDING AND CONSTRUCTION

**RE-ROOFING OF BUS TERMINAL  
FOR  
MOUNTAIN LINE TRANSIT AUTHORITY  
WESTOVER, WEST VIRGINIA**

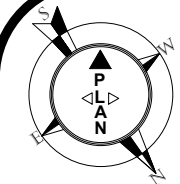
## REVISIONS

[illegible]

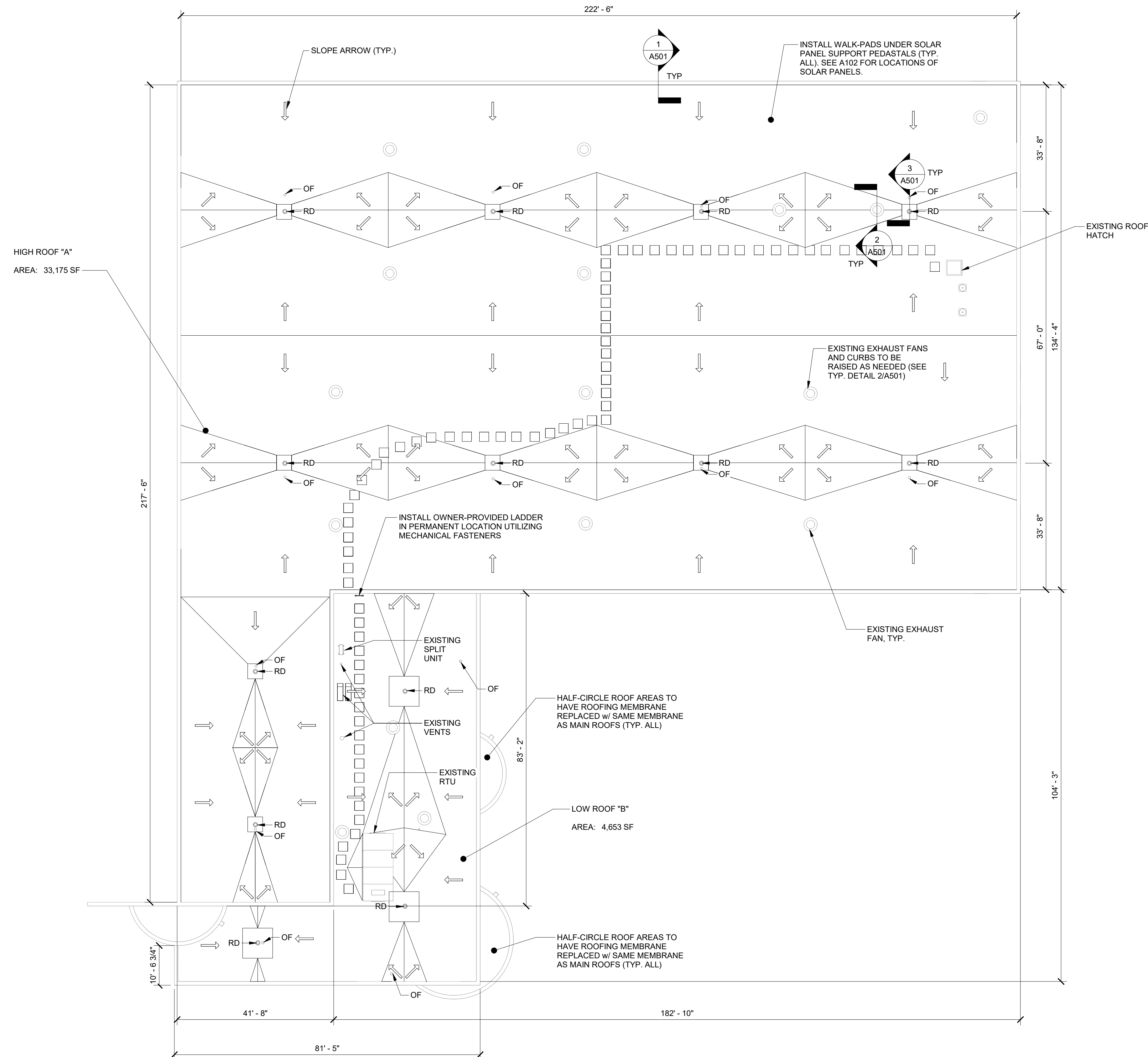
PROJ. NO.:2501003.00  
DATE:08/25/2025  
SHEET NO.:

# A101

COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
 ALL RIGHTS RESERVED



## ROOF PLAN - NEW ROOFING



ROOF PLAN - NEW ROOFING

SCALE: 1/16" = 1'-0"

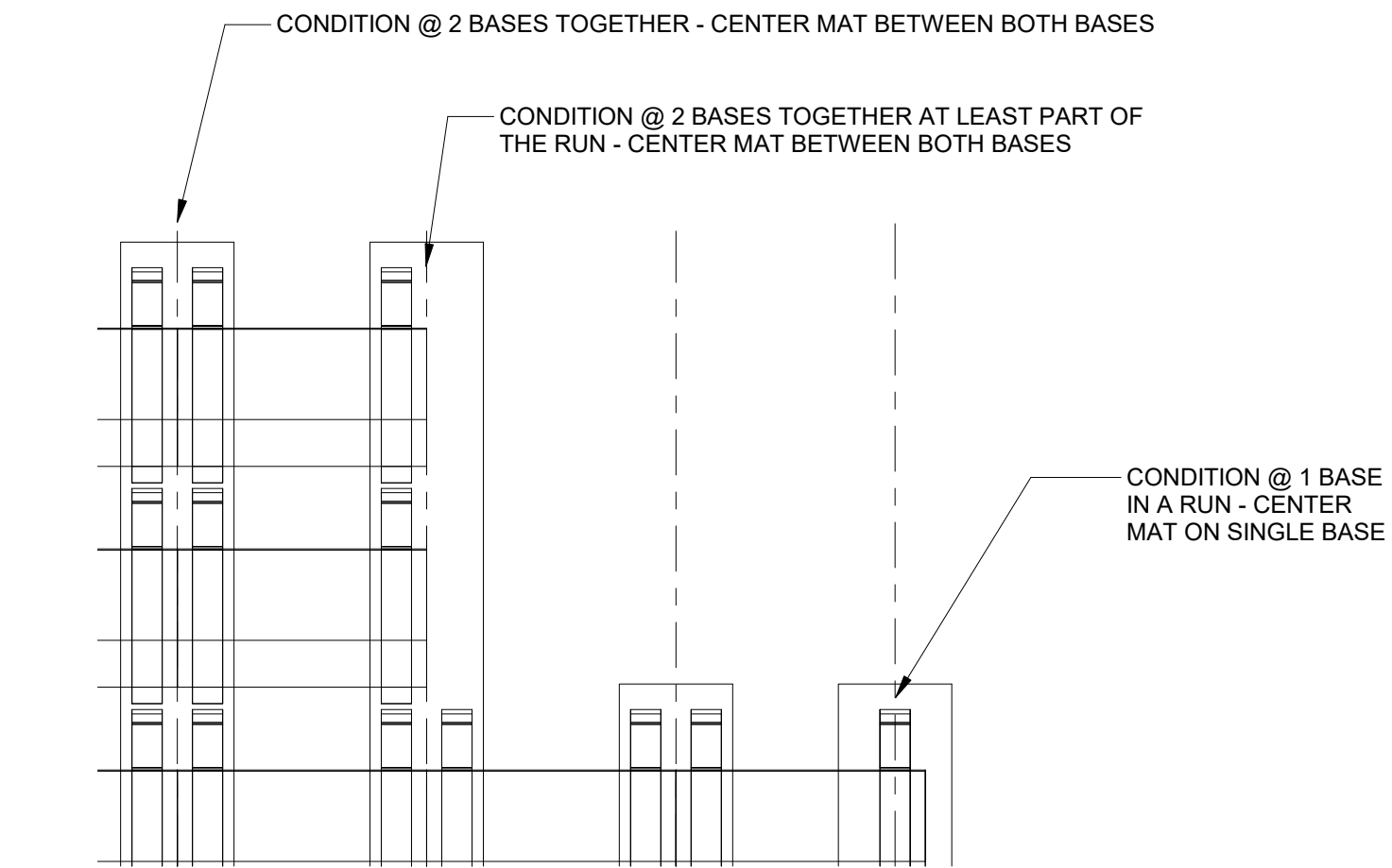
## GENERAL PLAN NOTES

1. PROVIDE AND INSTALL ROOFING MEMBRANE AS SPECIFIED OVER ½" DENS DECK COVER BOARD.
2. BASE BID AND ALTERNATE ROOFING MEMBRANE ARE TO USE ½" DENS DECK COVER BOARD.
3. PROVIDE AND INSTALL NEW ALUMINUM COPING AT ROOF EDGE.
4. ENSURE ROOFING MEMBRANE PLIES HAVE BEEN CUT OUT OF DRAIN BOWL. SEE ROOF DRAIN DETAILS.
5. REMOVE DRAIN PLUGS AND INSTALL ROOF STRAINER

### ROOF PLAN LEGEND

- EXHAUST FAN
- ROOF DRAIN (RD)
- OVERFLOW DRAIN (OF)
- ⇒ SLOPE INDICATOR

1. PROVIDE AND INSTALL EQUIPMENT PADS AT LOCATIONS INDICATED SO THAT SOLAR PANEL FRAMES WILL SIT ATOP A 30" WIDE EQUIPMENT PAD.
2. PROVIDE AND INSTALL WALK PADS FOR MAINTENANCE PURPOSES. PLACE WALK PADS NO MORE THAN 12" APART. WALK PAD PATH AS SHOWN IS FOR DIAGRAMMATIC PATH PURPOSES ONLY.
3. BASE BID AND ALTERNATE ROOFING MEMBRANE ARE TO HAVE COMPATIBLE WALK AND EQUIPMENT PADS AS SHOWN.



2 ENLARGED DETAIL @ PANEL BASE & ROOF MAT  
A102 SCALE: 1/4" = 1'-0"

**ISSUED FOR BIDDING AND CONSTRUCTION**

**RE-ROOFING OF BUS TERMINAL**

**FOR**

**MOUNTAIN LINE TRANSIT AUTHORITY**

**WESTOVER, WEST VIRGINIA**

## EYPLAN

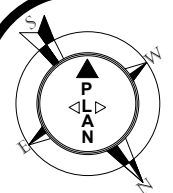
## REVISIONS

[illegible]

PROJ. NO.:2501003.00  
DATE:08/25/2025  
SHEET NO.:

# A102

COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
 ALL RIGHTS RESERVED



## ROOF PLAN - WALK PAD LAYOUT

# ISSUED FOR BIDDING AND CONSTRUCTION

**RE-ROOFING OF BUS TERMINAL  
FOR  
MOUNTAIN LINE TRANSIT AUTHORITY  
WESTOVER, WEST VIRGINIA**

## KEYPLAN

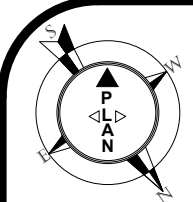
## REVISIONS

[illegible]

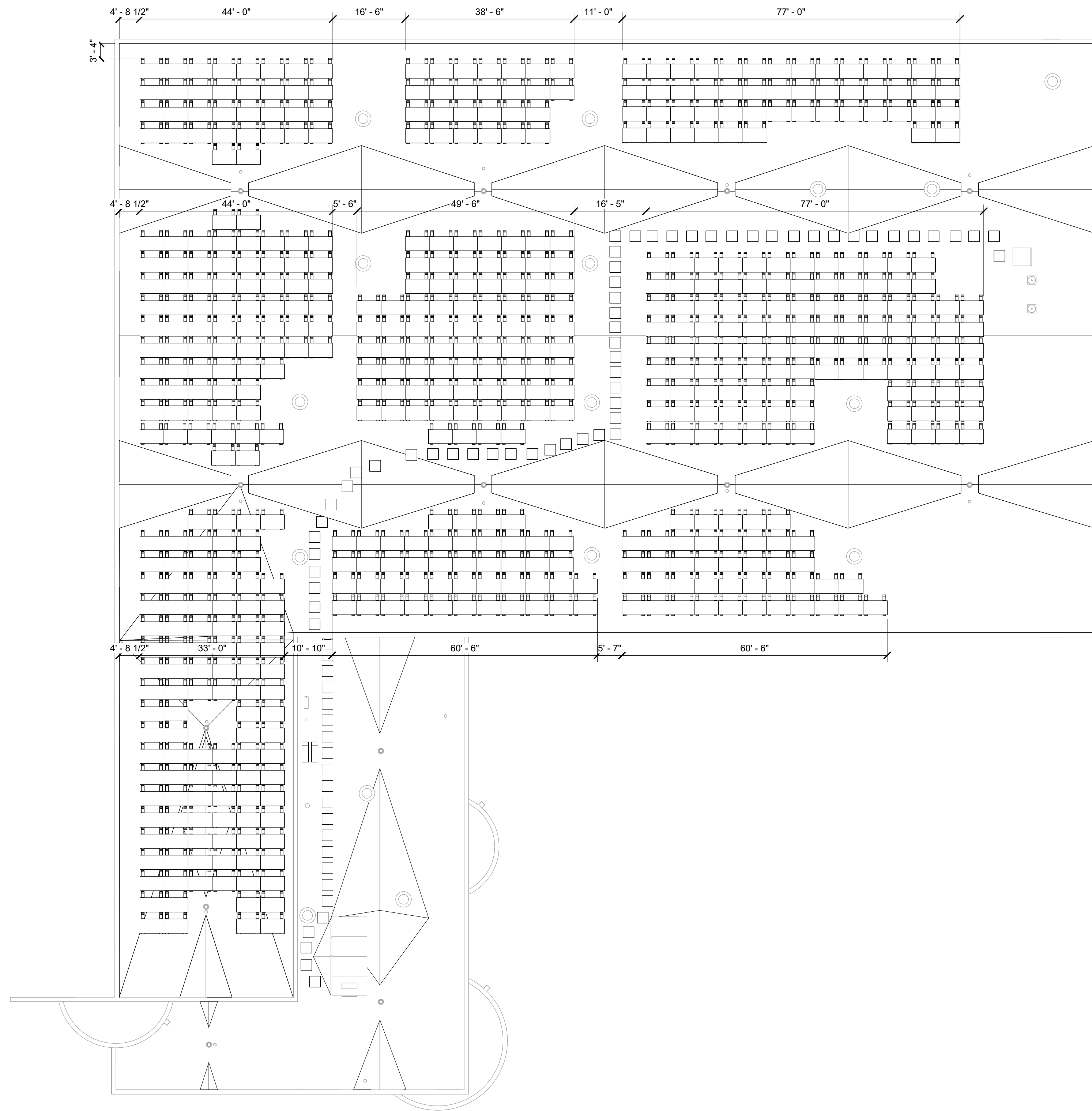
PROJ. NO.:2501003.00  
DATE:08/25/2025  
SHEET NO.:

# A103

COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
 ALL RIGHTS RESERVED



# ROOF PLAN - REINSTALLATION OF SOLAR PANELS



## ROOF PLAN - REINSTALLATION OF SOLAR PANELS

SCALE: 1/16" = 1'-0"

## GENERAL SOLAR PANEL REINSTALLATION NOTES

1. RE-INSTALL ECOFOOT SUPPORT FRAMES ATOP WALK TREADS.
2. PROVIDE BALLAST WITH THE FOLLOWING CHARACTERISTICS:
  - A. BALLAST BLOCKS ARE SOLID CMU (CONCRETE MASONRY UNITS) 4" X 8" X 16"
  - B. COMPLY WITH ASTM CONCRETE ROOF PAVERS DESIGNATION C1491-14 OR C90-16a FOR A NORMAL WEIGHT DENSITY WITH A COMPRESSIVE STRENGTH OF 3000psi.
  - C. BLOCK TO HAVE INTEGRAL WATER REPELLANT : LATEX POLYMERIC, INTEGRAL WATER-REPELLANT ADMIXTURE, TESTED ACCORDING TO ASTM E514/E514M.
  - D. APPROXIMATE WEIGHT OF EACH UNIT 31.5 LBS.
  - E. ONGOING INSPECTION BY OWNER OF BALLAST BLOCK SHOULD BE PERFORMED ON AN ANNUAL BASIS FOR ANY SIGNS OF DEGRADATION. IF DEGRADATION IS OBSERVED THEN THE CONTRACTOR SHALL IMMEDIATELY AS APPENDED TO THE TECHNICAL SPECIFICATIONS.
3. SEE ORIGINAL PROJECT MANUAL FOR SOLAR ARRAY AS APPENDED TO THE ELECTRICAL SPECIFICATIONS.
4. REFER TO ELECTRICAL DRAWINGS FOR COMPLETE WIRING SYSTEM.

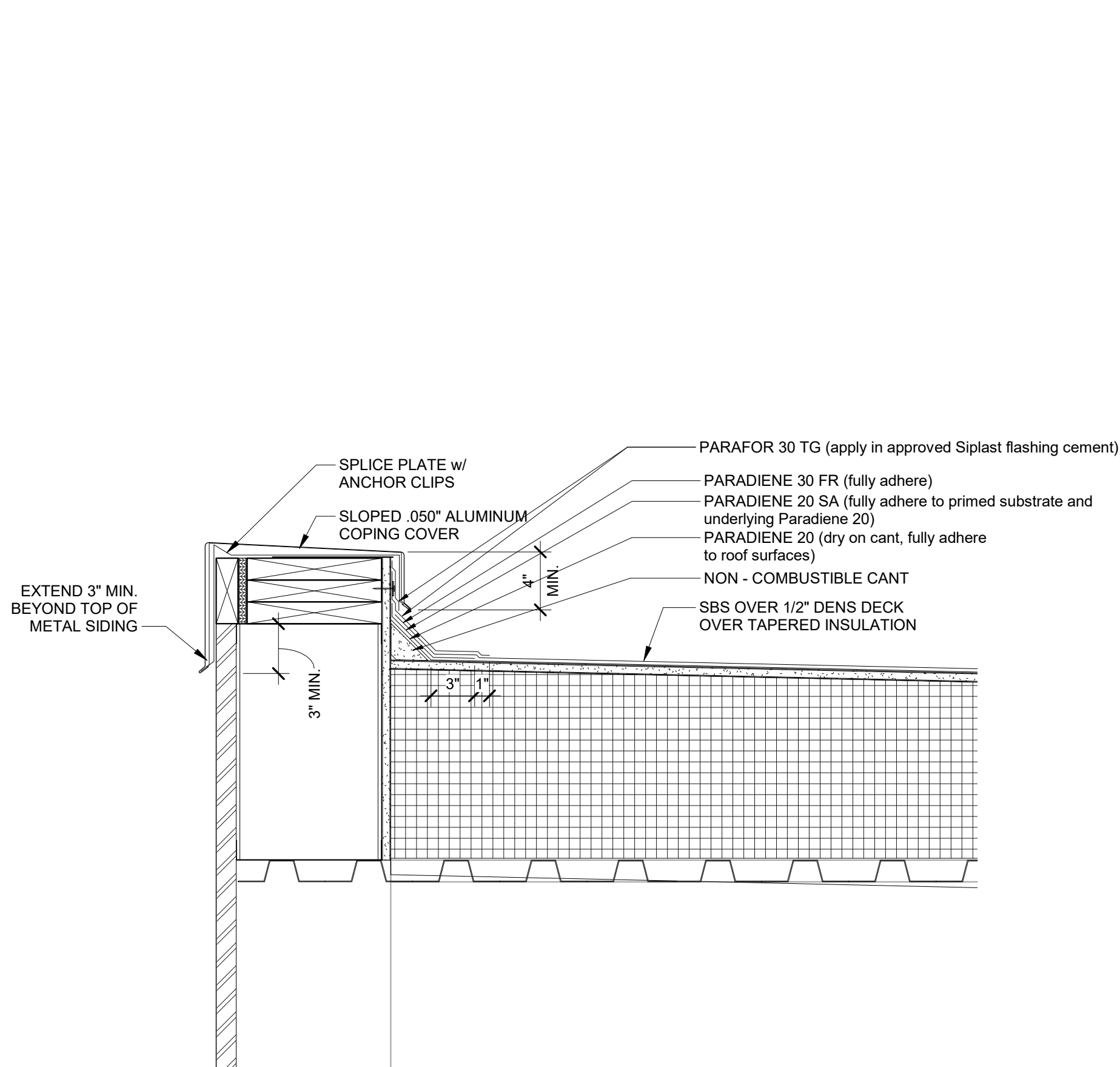
C:\Users\alewis\Documents\Revit\Mountain Line Transit Authority Re-Roof\_Lodde\lewis1585.rvt

REVISIONS		
No.	ITEM	DATE

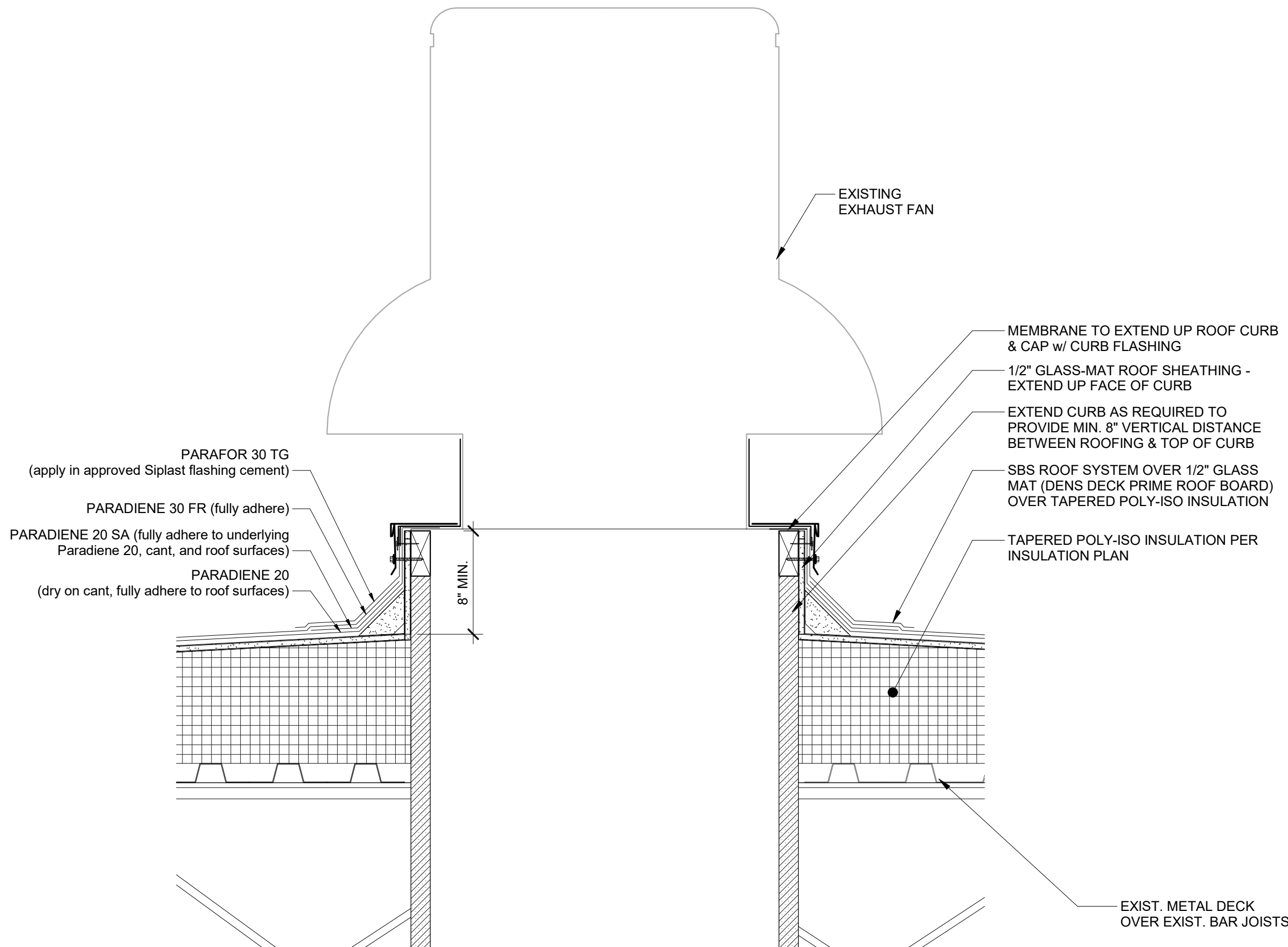
PROJ. NO.:2501003.00  
DATE:08/25/2025  
SHEET NO.:

A501

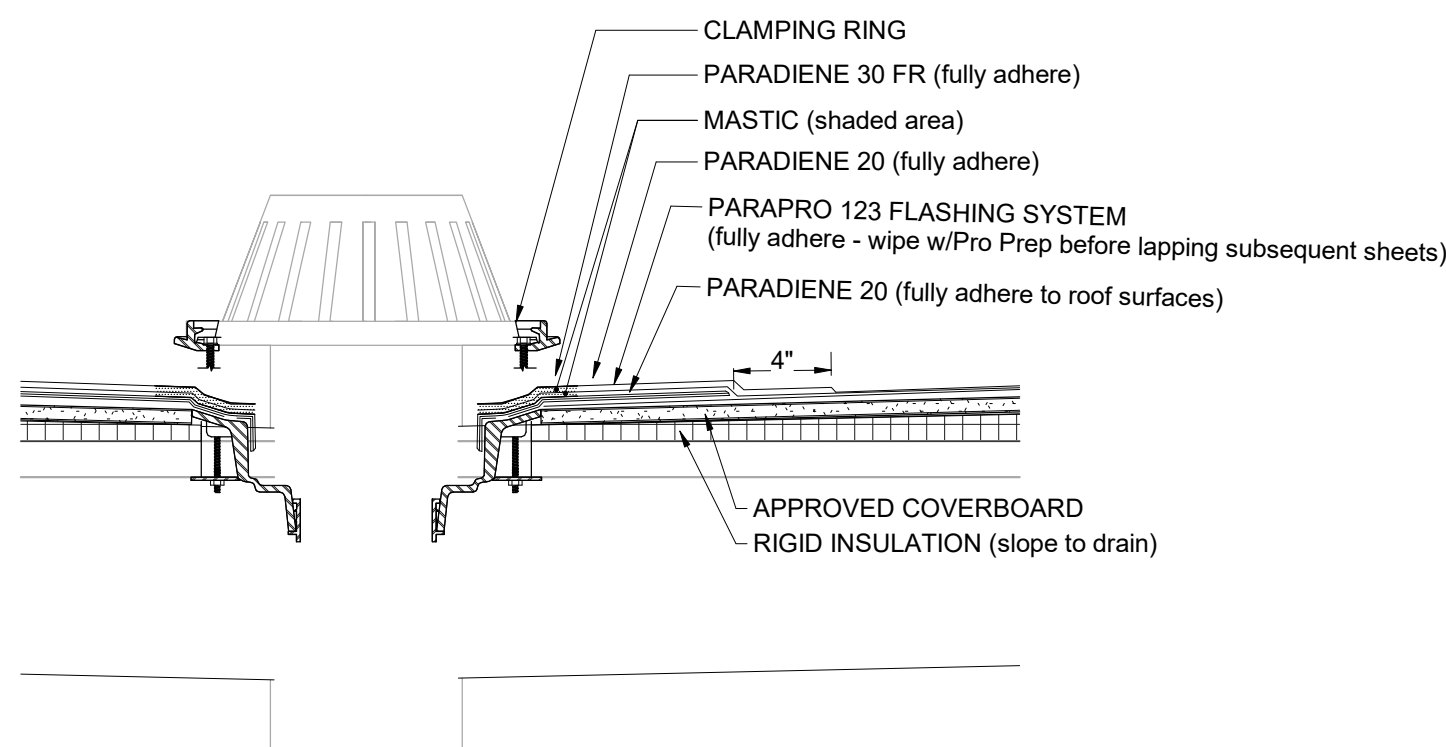
COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
ALL RIGHTS RESERVED.



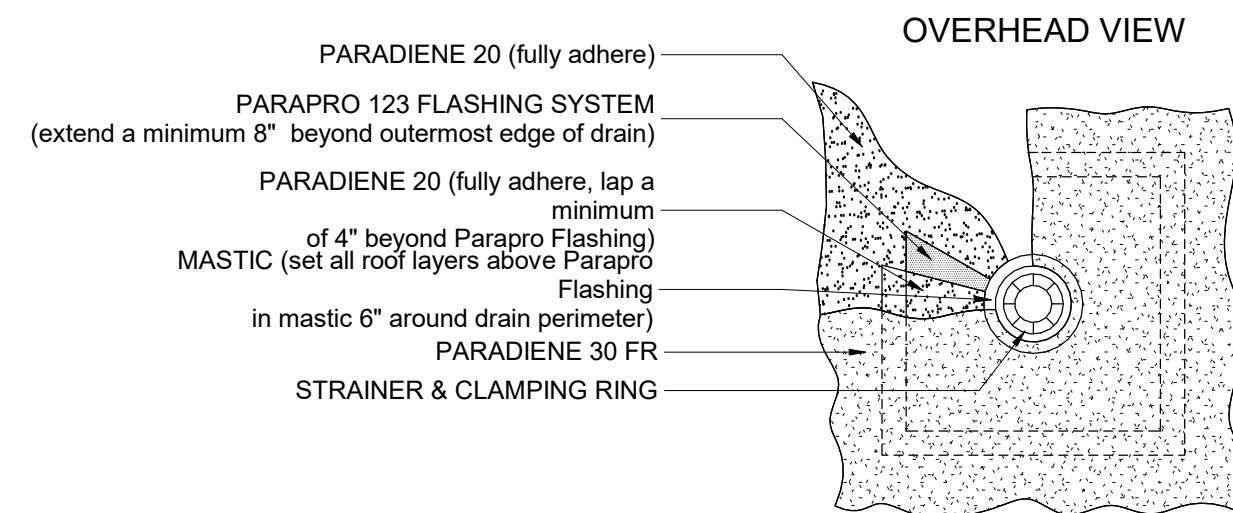
1 TYP. SECTION @ ROOF EDGE  
A501 SCALE: 1 1/2" = 1'-0"



2 TYP. SECTION @ EXHAUST FAN  
A501 SCALE: 1 1/2" = 1'-0"















3 SECTION @ ROOF DRAIN  
A501 SCALE: 1 1/2" = 1'-0"



4 TYP. PLAN VIEW @ ROOF DRAIN  
A501 SCALE: 3" = 1'-0"



SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE - STANDARD, 125 VOLT UNO 18" AFF UNO (1)
	DUPLEX RECEPTACLE - EMERGENCY GENERATOR, 125 VOLT, 18" AFF UNO, RED FINISH (1)
	DUPLEX RECEPTACLE - TV OUTLET, 125 VOLT (1)(8)
	DUPLEX RECEPTACLE - STANDARD, 125 VOLT UNO 18" AFF UNO. PROVIDE WITH (2) BUILT-IN USB PORTS. (1)
	DUPLEX RECEPTACLE - COUNTERTOP HEIGHT, 125 VOLT, 44" AFF UNO (1)
	DUPLEX RECEPTACLE - TOP HALF SWITCHED CONTROLLED, 125 VOLT, 18" AFF UNO (1)(7)
	DUPLEX RECEPTACLE - GFI PROTECTED, 125 VOLT. 44" AFF AT COUNTER, OTHERWISE AT 18" AFF UNO (1)(6)
	ELECTRIC WATER COOLER - PROVIDE DEDICATED CIRCUIT WITH GFCI PROTECTION. (VERIFY ELECTRICAL REQUIREMENTS AND MOUNTING HEIGHTS PRIOR TO ROUGH-IN) (1)(6)
	DUPLEX RECEPTACLE - WP AND GFI PROTECTED, 125 VOLT, 18" AFF UNO (1)(6)
	DUPLEX RECEPTACLE - DEDICATED CIRCUIT OR SEPARATE CIRCUIT (SEE PLANS), 125 VOLT, 18" AFF UNO (1)
	QUAD OUTLET; TWO 125 VOLT DUPLEX RECEPTACLES, COMMON CIRCUIT; 18" AFF UNO (1)
	QUAD OUTLET, TWO 125 VOLT DUPLEX RECEPTACLES, SPLIT CIRCUIT; 18" AFF UNO (1)(7)
	SIMPLEX RECEPTACLE - SPECIAL PURPOSE, VERIFY CONFIGURATION; 18" AFF UNO
	FLOOR BOX (WITH NEMA 5-20R RECEPTACLES). DEVICE TYPE AND OUTLET QUANTITY AND CONFIGURATION SHALL BE AS INDICATED ON THE DRAWINGS.
	DUPLEX RECEPTACLE, 125 VOLT. FLUSH IN CEILING.
	VOICE OUTLET. 18" AFF UNO (4)
	DATA OUTLET. 18" AFF UNO (4)
	COMBINATION VOICE/DATA OUTLET 18" AFF UNO (4)
	FLOOR BOX DATA OUTLET, DEVICE TYPE AND OUTLET CONFIGURATION AS REQUIRED (4)
	TELEVISION OUTLET - MATV/CATV SYSTEM (8)
	JUNCTION OR PULL BOX - CEILING, WALL MOUNTED. SIZE PER N.E.C. UNLESS NOTED OTHERWISE.
	POWER POLE W/POWER AND DATA FEED (3),(4)
	POWER FURNITURE FEED FLUSH IN WALL, PROVIDE WHIP CONNECTION (3)
	DATA FURNITURE FEED FLUSH IN WALL, PROVIDE WHIP CONNECTION (3),(4)
	MULTI-OUTLET RACEWAY - SIMPLEX OUTLETS 12" ON CENTER UNLESS NOTED OTHERWISE. MOUNT ABOVE COUNTER.
	\$ SWITCH - SINGLE POLE, DOUBLE POLE, THREE WAY, FOUR WAY, SUPERSWITCH DENOTES OUTLETS CONTROLLED. 44" AFF UNO PROVIDE NEUTRAL CONDUCTOR AT ALL SWITCHES.*
	\$ DIMMER - MOUNT AT 44" AFF UNO PROVIDE NEUTRAL CONDUCTOR AT ALL SWITCHES. (0-10 VOLT LED COMPATIBLE/CONNECT CONTROL WIRING TO DRIVER)*
	\$ KEY OPERATED, PILOT LIGHT, MOTOR RATED, INTEGRAL 30 MINUTE TIMER. PROVIDE NEUTRAL CONDUCTOR AT ALL SWITCHES.
	CONTACTOR: SEE PLANS FOR SPECIFICATIONS
	MANUAL THERMAL MOTOR STARTER. SIZE OVERLOAD AS REQUIRED.
	TIME CLOCK

<b>SYMBOL</b>	<b>DESCRIPTION</b>
	CONTROL EQUIPMENT
	PHOTOCELL - CIRCUIT CONTROLLED AS INDICATED ON PLANS.
	WIRING CONCEALED ABOVE CEILING OR IN WALL, (INSULATED CONDUCTOR CONFIGURATION AS REQUIRED AND GROUND PER CODE) (5).
	WIRING BELOW GRADE OR BELOW FINISHED SLAB (INSULATED CONDUCTOR CONFIGURATION AS REQUIRED AND GROUND PER CODE) (5).
	ELECTRICAL PANEL: 120/208 VOLT - SURFACE, RECESSED MOUNTED
	ELECTRICAL PANEL: 277/480 VOLT - SURFACE, RECESSED MOUNTED
	PLAN NOTE - REFER TO NOTES ON DRAWING.
	EQUIPMENT CONNECTION NOTE - SEE SCHEDULE.
 NL	SOLID INDICATES 24 HOUR EMERGENCY CIRCUIT (NIGHT LIGHT UNO)
	SPECIAL EQUIPMENT DESIGNATION (SEE SCHEDULE FOR REQUIREMENTS)
	EQUIPMENT CONNECTION - PROVIDE LOCAL DISCONNECT AT UNIT W/USE PROTECTED WHERE REQUIRED (SEE EQUIPMENT PLANS AND SCHEDULES TO INCLUDE DOCUMENTS OR EQUIPMENT PROVIDED UNDER OTHER DIVISIONS FOR CONNECTION REQUIREMENTS)
	INDICATES LIGHTING CONTROL SYSTEM - LETTER DESIGNATES TYPE (2)
<b><u>SYMBOL NOTES</u></b>	
(1)	ALL RECEPTACLES TO BE TAMPER RESISTANT WHERE REQUIRED BY CODE.
(2)	ALL SPACES SHALL HAVE OCCUPANCY SENSOR CONTROL PER ENERGY CODE. MANUAL SWITCHES SHALL BE COMPATIBLE WITH OCCUPANCY SENSOR SYSTEM WHERE APPLICABLE (SEE LIGHTING CONTROL SCHEDULE FOR ADDITIONAL SYSTEM REQUIREMENTS)
(3)	FURNITURE FEED LOCATIONS AND CONNECTION REQUIREMENTS TO BE COORDINATED WITH FURNITURE SUPPLIER PRIOR TO ROUGH-IN.
(4)	COORDINATE VOICE/DATA REQUIREMENTS WITH TECHNOLOGY SYSTEM PROVISIONS PRIOR TO ROUGH-IN. PROVIDE CONDUIT RACEWAY AS REQUIRED.
(5)	WIRING SHOWN FOR CIRCUIT/SWITCH CONTROL CLARITY ONLY. PROVIDE QUANTITY OF CONDUCTORS AS REQUIRED.
(6)	PROVIDE GFCI OUTLET FOR EACH LOCATION INDICATED AND WHERE REQUIRED BY CODE. USE OF FEED THRU NEUTRAL/PROTECTION IS NOT ACCEPTABLE.
(7)	PROVIDE ROOM VACANCY SENSOR OR PROGRAMMABLE TIME CLOCK CONTROL FOR SWITCHED PLUG AND INTERFACE/ROOM LIGHTING CONTROL WHERE REQUIRED BY ENERGY CODE (CONTROL TOP-HALF FOR DUPLEX AND SINGLE DUPLEX FOR QUAD OUTLETS. SWITCHED OUTLETS TO BE WITHIN 12" OF NON-SWITCHED OUTLETS FOR ROOMS DESIGNATED OR REQUIRED BY CODE. SEE TYPICAL WIRING DETAILS).
(8)	VERIFY LOCATION AND MOUNTING HEIGHTS OF ALL TV POWER AND DATA OUTLETS PRIOR TO ROUGH-IN (72" AFF UNO OR AS INDICATED ON ARCHITECTURAL / INTERIOR DWGS.).

POWER DISTRIBUTION SYMBOLS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
3/XXX	INDICATES 3-POLE/AMP TRIP (FRAME RATING FOR SWITCH)		FSS
2/XXX	INDICATES 2-POLE/AMP TRIP (FRAME RATING FOR SWITCH)		NFSS
XXF	INDICATES FUSE AMP RATING		CFSS
	FUSED SWITCH		METER
	CIRCUIT BREAKER		GROUNDING ELECTRODE
	SURGE PROTECTION DEVICE (TVSS) LOCATED AT MAIN SERVICE, LIFE SAFETY PANELS AND WHERE INDICATED)		STEP DOWN TRANSFORMER
			GROUND FAULT PROTECTION WHERE REQUIRED PER NEC
FEEDER LEGEND		EXISTING CONDITIONS	
X SETS	← QTY. OF PARALLEL SETS (1 SET IF BLANK)	DESIGNATION	DESCRIPTION
3#XXX	← WIRE SIZE IN AWG.		← PHANTOM DEVICES TO BE REMOVED
1#XXX N	← NEUTRAL SIZE	(N)	NEW EQUIPMENT
1#XX G	← EQUIPMENT GROUND	(E)	EXISTING EQUIPMENT TO REMAIN
1#XX IG	← ISOLATED GROUND	(R)	EXISTING EQUIPMENT RELOCATED
X"C	← CONDUIT SIZE	(X)	EXISTING EQUIPMENT TO BE REMOVED
		(X/R)	EXISTING EQUIPMENT TO BE RELOCATED
		NOTE:	ALL EQUIPMENT SHOWN IS NEW U.N.O.
CIRCUIT CONNECTION LEGEND			
[P3]	← INDICATES CIRCUIT SOURCE PANEL (TYPICAL FOR ROOM/SPACE)		
2,3	← INDICATES CIRCUITS TO BE CONNECTED (ADJACENT TO DEVICE)		
ABBREVIATIONS			
A	AMP, AMPERE (RATING AS INDICATED)	MTG	MOUNTING PROVISIONS/HEIGHT
AFCI	ARC FAULT CIRCUIT INTERRUPTER (PROVIDE FOR ALL DWELLING UNIT 120V, 15 & 20 AMP CIRCUITS PER NEC 210.12)	N	NEUTRAL CONDUCTOR
AF	ABOVE FINISHED FLOOR (TO CENTERLINE UNO)	NEC	NATIONAL ELECTRICAL CODE (LATEST EDITION UNO)
C, CDT	CONDUIT	NFSS	NON-FUSED SAFETY SWITCH
C/B	CIRCUIT BREAKER	NL	NIGHTLIGHT (24 HOUR OPERATION)
CFSS	COMBINATION FUSED STARTER SWITCH	P	POLE
ECB	ENCLOSED CIRCUIT BREAKER	PC	PC/COMMUNICATION OUTLET
EWC	ELECTRIC WATER COOLER, GFCCI (VERIFY MTG.)	S-1	SECTION #1 OF 2 SECTION PANEL (PROVIDE PANEL WITH FEED THRU LUGS)
G, GND	EQUIPMENT GROUND	S-2	SECTION #2 OF 2 SECTION PANEL
GFP	GROUND FAULT PROTECTION	SHUNT	SHUNT TRIP CIRCUIT BREAKER
GFCCI	GROUND FAULT CIRCUIT PROTECTOR (PROVIDE FOR ALL LOCATIONS PER NEC 210.8)	SPD	SURGE PROTECTION DEVICE (TVSS)
FSS	FUSED SAFETY SWITCH	SN	SUPPER NEUTRAL
IG	ISOLATED GROUND	TG	TRANSFORMER GROUND
MCB	MAIN CIRCUIT BREAKER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
MLO	MAIN LUGS ONLY	UNO	UNLESS NOTED OTHERWISE
MCCP	MAIN OVER CURRENT DEVICE	V	VOLTAGE (RATING AS INDICATED)

1. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS OF THIS PROJECT.
2. BID PHASE:  
IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DOCUMENTS TO INCLUDE PERMITS AND SPECIFICATIONS FOR THE ARCHITECTURAL AND OTHER WORK UNDER OTHER DIVISIONS THAT CAN AFFECT THE WORK OF THIS DIVISION. THE CONTRACTOR SHALL ISSUE A FORMAL REQUEST FOR INFORMATION FOR CLARIFICATIONS OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO FINAL BID SUBMISSION.
3. PRE-CONSTRUCTION:  
IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL REVISED DOCUMENTS TO INCLUDE ARCHITECTURAL PERMITS AND WORK UNDER OTHER DIVISIONS THAT CAN AFFECT THE WORK OF THIS DIVISION. THIS INCLUDES REVIEW OF ALL ADDENDUMS, REVISIONS AND SHOP DRAWINGS THAT AFFECT THE WORK OF THIS DIVISION. THE CONTRACTOR SHALL NOTIFY THE A/E TEAM OF ANY DISCREPANCIES PRIOR TO FINAL ROUGH-IN.

**A. DEMOLITION COORDINATION:**

1. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
2. REFER TO ARCHITECTURAL PLANS AND/OR SUPPLEMENTAL DOCUMENTS FOR CONSTRUCTION PHASE SEQUENCE REQUIREMENTS FOR OCCUPIED SPACES AFFECTED BY THE WORK.
3. NOTIFY THE OWNER OF ANY WORK THAT MAY DISRUPT OTHER AREAS OUTSIDE OF THE WORK AREA.

**B. WIRING REQUIREMENTS:**

1. WIRING METHOD TO BE SUITABLE FOR EXTERIOR APPLICATION.
2. PROVIDE QUANTITY OF CONDUCTORS REQUIRED TO INCLUDE EQUIPMENT GROUNDING PER CODE. WIRING SHOWN ON PLAN FOR GENERAL PATHWAY ONLY.
3. PROVIDE SOLID INSULATED GROUND CONDUCTOR FOR ALL WIRING, EQUIPMENT CONNECTIONS AND WHERE REQUIRED BY CODE.
4. CONDUCTOR AWG SIZE SHALL BE AS REQUIRED BY CODE AND ADJUSTED FOR VOLTAGE DROP.

1. PROJECT INVOLVES ROOF REPLACEMENT AND EXISTING PV SYSTEM TO BE TEMPORARILY REMOVED, STORED, AND REINSTALLED BY A QUALIFIED PV SYSTEM CONTRACTOR. QUALIFIED CONTRACTOR MUST DEMONSTRATE REGULAR INSTALLATION EXPERIENCE OF PV SYSTEMS OVER THE PAST 10 YEARS. SUBMIT QUALIFICATIONS OF THE CONTRACTOR, OR SUB-CONTRACTOR, WITH FINAL BID SUBMISSION.
2. CONTRACTOR TO TEST THE EXISTING SYSTEM IN PLACE AND VERIFY FUNCTION. CONTRACTOR TO DOCUMENT AND REPORT ANY DEFICIENCIES OF THE EXISTING SYSTEM TO THE OWNER PRIOR TO REMOVAL.
3. CONTRACTOR TO PHOTO DOCUMENT THE EXISTING PV SYSTEM AND TAG EACH COMPONENT FOR REINSTALLATION PRIOR TO START OF ROOF WORK. COMPONENTS INCLUDE ALL PV PANELS, INVERTER CONFIGURATION, DC DISTRIBUTION PANELS AND OTHER COMPONENTS THAT ARE ESSENTIAL TO THE FUNCTION OF THE SYSTEM. PROVIDE WRITTEN DOCUMENTATION ON DOCUMENTATION AND TESTING TO INCLUDE PHOTOGRAPHS AND SUBMIT AS SHOP DRAWING PRIOR TO START OF ROOF WORK.
4. PERMANENTLY LABEL DC PANELS TO MATCH THE PLAN DESIGNATIONS. DOCUMENT EACH PANEL CONFIGURATION, BRANCH/ OVERCURRENT DEVICES, AND CONNECTED DC BRANCH STRING TO EACH PANEL.
5. DOCUMENT NUMBER OF CONNECTED PV PANELS ON EACH STRING (PROVIDE SINGLE LINE SKETCH FOR EACH DC DISTRIBUTION PANEL TO INCLUDE OVERCURRENT DEVICES, WIRE SIZE AND QUANTITY OF PV PANELS PER STRING). SUBMIT SKETCHES AS PART OF SHOP DRAWING SUBMISSION AND PRIOR TO REMOVAL OF EQUIPMENT.

1. EXISTING CONDUIT AND WIRING ON THE ROOF TO BE REMOVED AND CLEARED FOR NEW ROOF WORK (NEW WIRING AND CONDUIT TO BE PROVIDED FOR REINSTALLATION).
2. CONTRACTOR TO TEMPORARILY REMOVE ALL DC DISTRIBUTION PANELS (DCP), PV PANELS AND SUPPORTS TO BE STORED IN A NEARBY DESIGNATED AREA. CONTRACTOR TO RENT TRAILERS FOR COMPONENT STORAGE, PROTECTION, AND SECURITY.
3. STACK COMPONENTS PER THE MANUFACTURERS SHIPPING REQUIREMENTS. ANY COMPONENTS (S) DAMAGED WILL BE REPLACED IN-KIND BY THE CONTRACTOR FOR FULL SYSTEM OPERATION AS IT WAS DOCUMENTED AT START OF PROJECT. PV PANEL STORAGE TO INCLUDE PLASTIC CORNER GUARDS.
4. CONTRACTOR TO REMOVE ALL EXISTING BALLAST BLOCKS AND PROVIDE NEW BALLAST BLOCKS PER THE ARCHITECT'S SPECIFICATIONS FOR REINSTALLATION OF THE SYSTEM SUPPORTS ON THE NEW ROOF.

**E. SCOPE OF WORK - RE-INSTALLATION:**

1. PRIOR TO REINSTALLATION, PROVIDE SKETCHES FOR THE NEW PROPOSED CONFIGURATION FOR EACH DC PANEL AND DC STRING CONNECTIONS TO INCLUDE IDENTIFYING ALL PV PANELS ON EACH STRING PRIOR TO REINSTALLATION. VERIFY NEW WIRING COMPLIES WITH VOLTAGE DROP REQUIREMENTS FOR THE NEW CONFIGURATION AND RESTORATION OF THE ORIGINAL SYSTEM CAPACITY. CONTRACTOR TO IDENTIFY ANY PROPOSED CHANGES TO THE CONFIGURATION FOR BEST OPERATION, SUBMIT SKETCHES OF THE NEW CONFIGURATION SHOWING ALL PROPOSED WIRING AND SIZES FOR SHOP DRAWING REVIEW AND APPROVAL PRIOR TO REINSTALLATION WORK.
2. AFTER COMPLETION OF THE NEW ROOF, CONTRACTOR TO RE-INSTALL THE SYSTEM PER THE APPROVED NEW CONFIGURATION.
3. PROVIDE ALL NEW CONDUIT DISTRIBUTION ON THE ROOF TO INCLUDE WIRING, CONDUIT, AND SUPPORTS CONNECTED TO ACCOMMODATE THE NEW CONFIGURATION AND PROVIDE NEW SUPPORTS AT REQUIRED INTERVALS PER STRUT DETAIL OR APPROVED EQUIVALENT.
4. CONTRACTOR TO REINSTALL ALL PV PANEL SUPPORTS AND PROVIDE NEW BALLAST BLOCKS PER THE ARCHITECT'S SPECIFICATIONS.
5. PROVIDE ALL NEW DC STRING WIRING AND CONNECT EACH PV PANEL PER THE APPROVED SHOP DRAWING CONFIGURATION. ADVISE THE ENGINEER OF ANY NECESSARY DEVIATIONS. PROVIDE CABLE SUPPORTS PER MINI PIPE GUARD DETAIL OR STRUT SUPPORT FOR CABLE BUNDLES IN THE OPEN AT REQUIRED INTERVALS.
6. RE-INSTALLED SYSTEM TO BE TESTED AND CERTIFIED BY A QUALIFIED PV CONTRACTOR. PV PANELS TO BE RE-INSTALLED WITH EXISTING SUPPORTS AT SAME ANGLE AND WIRING PROVIDED NEW BALLASTING AT EACH SUPPORT PER THE ARCHITECT'S SPECIFICATION.

ELECTRICAL DRAWING LIST		
No.	Sheet No.	Sheet Title
1	E001	ELECTRICAL COVER SHEET
2	E101	FLOOR PLANS POWER
3	E102	ROOF PLAN PV SYSTEMS DEMOLITION
4	E103	ROOF PLAN PV SYSTEMS NEW WORK
5	E201	POWER DISTRIBUTION DIAGRAM
6	E301	ELECTRICAL SPECIFICATIONS



**ISSUED FOR BIDDING AND CONSTRUCTION**

---

**RE-ROOFING OF BUS TERMINAL  
FOR  
MOUNTAIN LINE TRANSIT AUTHORITY  
WESTOVER, WEST VIRGINIA**



## REVISIONS

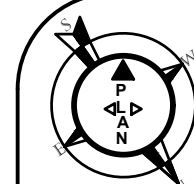
[illegible]

BIDDING AND CONSTRUCTION DOCUMENTS 08/25/2025



757 Frederick Road Suite 300 - Catonsville, Maryland 21228

SRBR No: 25024



PROJ. NO.: 2405048.00  
DATE: 08/25/2025  
SHEET NO.:

# E001

COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
ALL RIGHTS RESERVED

# ELECTRICAL COVER SHEET



**RE-ROOFING OF BUS TERMINAL  
FOR  
MOUNTAIN LINE TRANSIT AUTHORITY  
WESTOVER, WEST VIRGINIA**



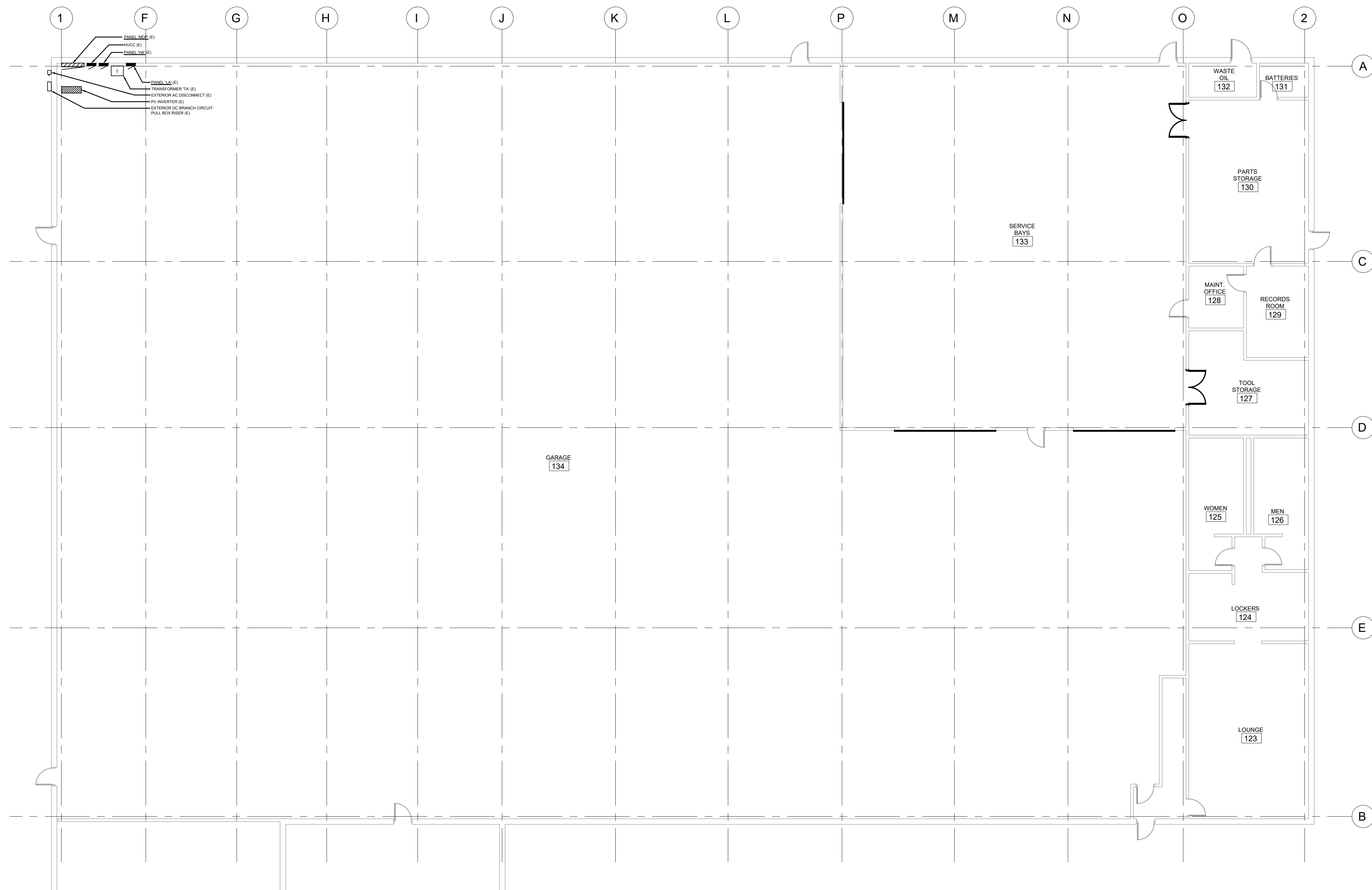
## REVISIONS

[illegible]

ROJ. NO.: 2405048.00  
DATE: 08/25/2025  
HEET NO.:

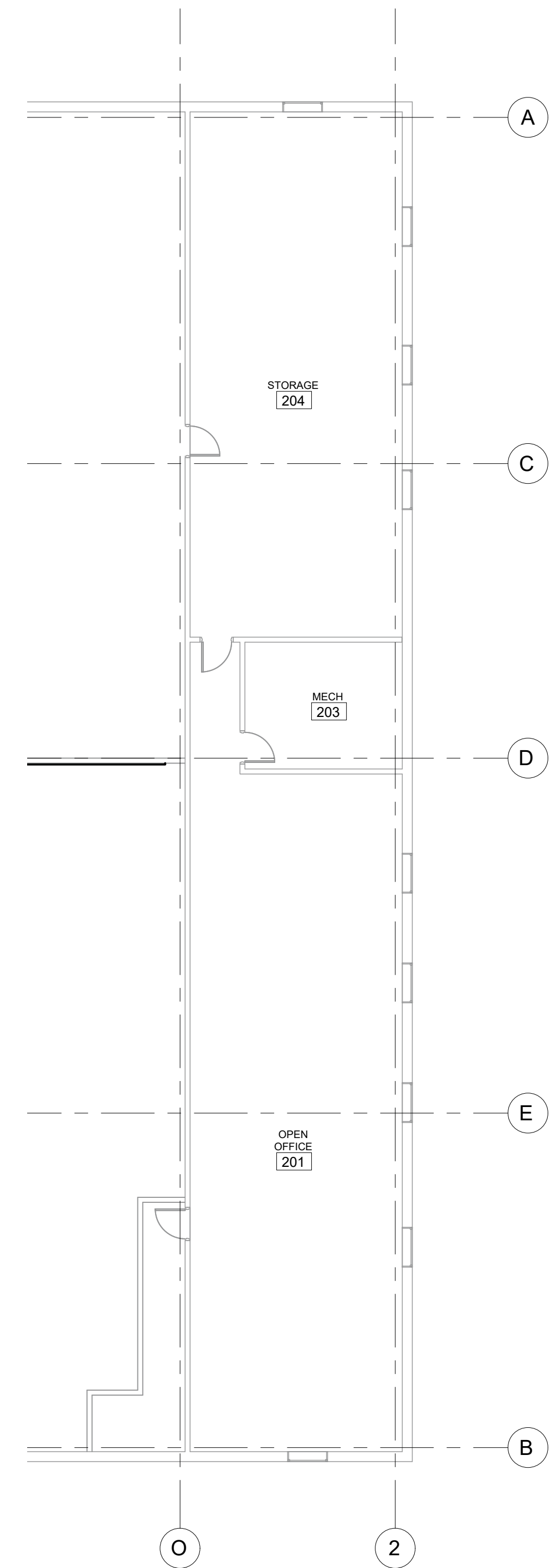
# E101

COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
 ALL RIGHTS RESERVED



### FIRST FLOOR PLAN - POWER

SCALE: 3/16" = 1'-0"



## SECOND FLOOR PLAN - POWER

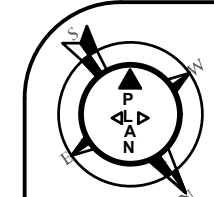
SCALE:  $\frac{3}{16}'' = 1'-0''$

BIDDING AND CONSTRUCTION DOCUMENTS 08/25/2025

**SRBR**  
MEP Consulting Engineers since 1959

757 Frederick Road Suite 300 - Catonsville, Maryland 21228  
Phone: 410/869-7282 Web: [www.SRBRengineers.com](http://www.SRBRengineers.com)

SRBR No: 25024



## FLOOR PLANS

## POWER



1. DOCUMENT THE WIRING DISTRIBUTION FROM INVERTER TO DC PANELS AT ROOF. REMOVE WIRING BACK TO DC DISTRIBUTION PANEL AT INVERTER (TO BE REPLACED FOR RE-INSTALLATION OF SYSTEM). RETAIN EXISTING EXTERIOR PULL BOX AND CONDUIT RISERS TO ROOF LINE AND TEMPORARILY CAP CONDUIT FOR RAIN PROTECTION.
2. EXISTING DC PANEL TO BE REMOVED AND REINSTALLED. DOCUMENT EXISTING DC STRING WIRING AND CONNECTIONS AND REMOVE WIRING (WIRING TO BE REPLACED AT REINSTALLATION).
3. REMOVE EXISTING PV PANELS AND STORE/PROTECT FOR REINSTALLATION.
4. REMOVE PV PANEL SUPPORTS AND STORE/PROTECT FOR REINSTALLATION. REMOVE BALLAST TO BE REPLACED AT SYSTEM REINSTALLATION PER ARCHITECT'S SPECIFICATION.
5. MAINTAIN EXISTING AC CONNECTIONS TO ROOF MOUNTED EQUIPMENT. MAKE TEMPORARY ADJUSTMENTS AS NECESSARY TO MAINTAIN FUNCTION DURING ROOF WORK.

**ISSUED FOR BIDDING AND CONSTRUCTION**

**RE-ROOFING OF BUS TERMINAL  
FOR  
MOUNTAIN LINE TRANSIT AUTHORITY  
WESTOVER, WEST VIRGINIA**

[illegible]

**SRBR**  
MEP Consulting Engineers since 1959

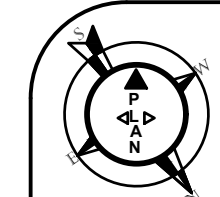
757 Frederick Road Suite 300 - Catonsville, Maryland 21228  
Phone: 410/869-7282 Web: [www.SRBEngineers.com](http://www.SRBEngineers.com)

SRBR No: 25024

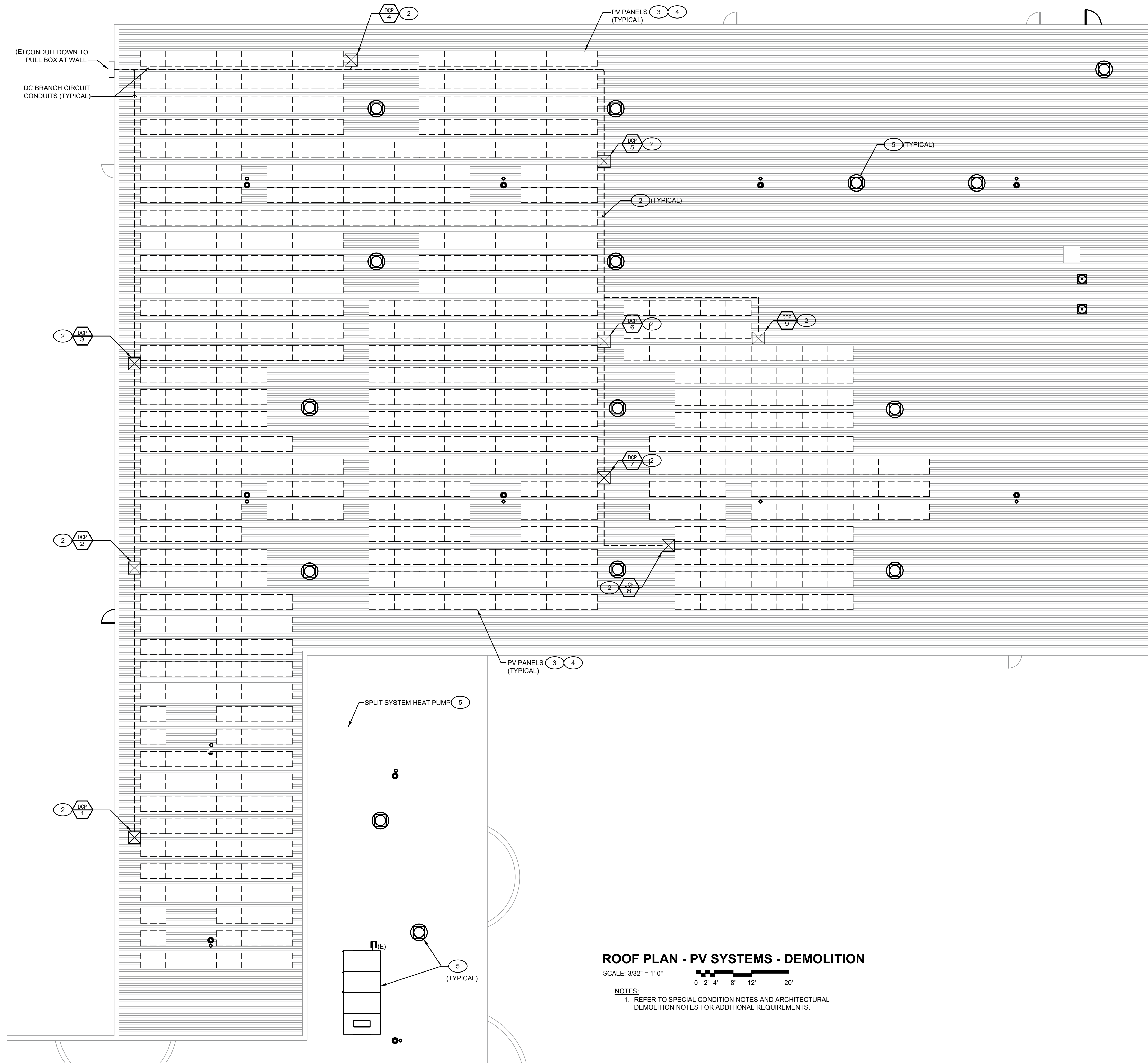
ROJ. NO.: 2405048.00  
DATE: 08/25/2025  
SHEET NO.:

## E102

COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
 ALL RIGHTS RESERVED



## ROOF PLAN PV SYSTEMS DEMOLITION



## ROOF PLAN - PV SYSTEMS - DEMOLITION

SCALE: 3/32" = 1'-0"

NOTES:

1. REFER TO SPECIAL CONDITION NOTES AND ARCHITECTURAL DEMOLITION NOTES FOR ADDITIONAL REQUIREMENTS.



1. INSTALL NEW PV WIRING DISTRIBUTION FROM INVERTOR TO RECONFIGURED DC PANELS AT ROOF AND RECONNECT PER APPROVED SHOP DRAWING.
2. EXISTING DC PANEL TO REINSTALLED. INSTALL AND CONNECT DC STRING WIRING AND CONNECTIONS.
3. CLEAN AND INSTALL EXISTING PV PANELS.
4. CLEAN AND INSTALL PV PANEL SUPPORTS. PROVIDE NEW BALAST FOR EACH SUPPORT PER ARCHITECT'S SPECIFICATION.
5. MAINTAIN EXISTING AC CONNECTIONS TO ROOF MOUNTED EQUIPMENT.

---

---

**ISSUED FOR BIDDING AND CONSTRUCTION**

**RE-ROOFING OF BUS TERMINAL  
FOR  
MOUNTAIN LINE TRANSIT AUTHORITY  
WESTOVER, WEST VIRGINIA**

[illegible]

**SRBR**  
MEP Consulting Engineers since 1959

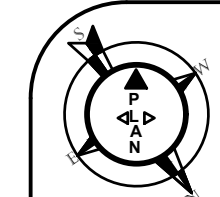
757 Frederick Road Suite 300 - Catonsville, Maryland 21228  
Phone: 410/869-7282 Web: [www.SRBEngineers.com](http://www.SRBEngineers.com)

SRBR No: 25024

PROJ. NO.: 2405048.00  
DATE: 08/25/2025  
SHEET NO.:

# E103

COPYRIGHT 2025 ALPHA ASSOCIATES, INC.  
ALL RIGHTS RESERVED



## ROOF PLAN PV SYSTEMS NEW WORK

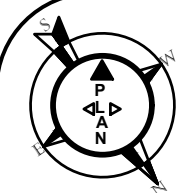


3. PROVIDE DIAGRAMS OF EACH PROPOSED PV PANEL AND STRING CONFIGURATION.

NO SCALE

757 Frederick Road Suite 300 - Catonsville, Maryland 21228  
Phone: 410/869-7282 Web: [www.SRBEngineers.com](http://www.SRBEngineers.com)

SRBR No: 25024



## POWER DISTRIBUTION DIAGRAM

