

PARALLEL ARCHITECTURAL PRODUCTS

TYPICAL BATTEN DETAILS

PROPERTY MANAGER:
PER ARCHITECT / ENGINEER

DESIGN ENGINEER:
PVE, LLC
2000 GEORGETOWN DRIVE, SUITE 101
SEWICKLEY, PA 15143

DRAWING LIST			LATEST REVISION	DATE
T-001	-	TITLE SHEET		
S-001	-	GENERAL NOTES		
S-100	-	VERTICAL BATTEN SPAN TABLES		
S-101	-	VERTICAL BATTEN CONNECTION DETAILS		
S-200	-	HORIZONTAL BATTEN SPAN TABLES		
S-201	-	HORIZONTAL BATTEN CONNECTION DETAILS		
S-300	-	MISC BATTEN CONNECTIONS		

ABBREVIATIONS:	
ABV	ABOVE
ACI	AMERICAN CONCRETE INSTITUTE
ACIP	AUGERED CAST-IN-PLACE PILES
ADD'L	ADDITIONAL
AE	AIR-ENTRAINED
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATELY
AR	ANCHOR ROD
ARCH	ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AWS	AMERICAN WELDING SOCIETY
B	BOTTOM
B/	BOTTOM OF
BH	BULKHEAD
BLDG	BUILDING
BM	BEAM
BOT	BOTTOM
CJP	COMPLETE JOINT PENETRATION
CLR	CLEAR

ABBREVIATIONS (CONT.):	
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE
db	REINFORCING BAR DIAMETER
DIA	DIAMETER
DN	DOWN
DTLS	DETAILS
DWG	DRAWING
DWLS	DOWELS
E	EXISTING
EA	EACH
EF	EACH FACE
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATOR
EMBED	EMBEDMENT

ABBREVIATIONS (CONT.):	
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
FT	FOOT/FEET
FTG	FOOTING
FE	FIRE ESCAPE
GALV	GALVANIZE
GL	GRIDLINE
H	HIGH
HORIZ	HORIZONTAL
HP	HIGH POINT
HS	HIGH STRENGTH
HSA	HEADED SHEAR ANCHOR
IN	INCH(ES)
IP	INFLECTION POINT
I.F.	INSIDE FACE
JT	JOINT
K	KIPS (1000 POUNDS)

ABBREVIATIONS (CONT.):	
KN	KILONEWTON
kPa	KILOPASCAL
L	LITER
L	LENGTH
LBS	POUNDS
Ld	REINF BAR DEVELOPMENT LENGTH
LLH	LONG LEG HORIZ
LLV	LONG LEG VERT
LP	LOW POINT
LTWT	LIGHT WEIGHT
m	METER
mm	MILLIMETER
MAX	MAXIMUM
MANUF	MANUFACTURER
MECH	MECHANICAL
MEP	MECH/ELECT/PLUMBING
MIN	MINIMUM
MPa	MEGAPASCAL
MTL	METAL
N	NEWTON
NLWT	NORMAL WEIGHT

ABBREVIATIONS (CONT.):	
(N)	NEW
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
O.F.	OUTER FACE
PJP	PARTIAL JOINT PENETRATION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSION
R	RISER
REF	REFERENCE
REINF	REINFORCING OR REINFORCEMENT
REQ'D	REQUIRED
SCHED	SCHEDULE
SC	SLIP CRITICAL
SDI	STEEL DECK INSTITUTE
SDL	SUPERIMPOSED DEAD LOAD
SEC	SECONDS
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SLV	SHORT LED (DIM) VERTICAL

ABBREVIATIONS (CONT.):	
SOG	SLAB-ON-GRADE
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
T	TOP OF TREAD
T/	TOP OF
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
THK	THICK
TMS	THE MASONRY SOCIETY
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/C	WATER-CEMENTITIOUS MATERIAL RATIO
W	WIDTH
WD	WOOD
WP	WORK POINT
WWR	WELDED WIRE REINFORCEMENT

PREPARED BY:



2000 GEORGETOWN DRIVE, SUITE 101
SEWICKLEY, PA 15143

PHONE: (724) 444-1100
FAX: (724) 444-1104
E-MAIL: STRUCTURES@PVE-LLC.COM

PREPARED FOR:



2750 S. RARITAIN STREET ENGLEWOOD, CO 80110

ISSUED FOR:

REFERENCE

ISSUED DATE:

05/02/2025

PLAN REVISIONS

NO.	DATE	DESCRIPTION

THE DESIGN CONCEPTS, IDEAS, AND ALL ASSOCIATED INFORMATION DEPICTED HEREIN IS THE SOLE PROPERTY OF PVE, LLC. THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR THE BENEFIT OF THE PERSONS NAMED ABOVE AND FOR THE PROJECT NOTED ON THIS DOCUMENT. THE REPRODUCTION, ALTERATION, USE BY ANY THIRD PARTY, OR USE FOR ANY PURPOSE OTHER THAN PROPOSED, WITHOUT WRITTEN CONSENT FROM PVE, LLC, IS PROHIBITED AND A VIOLATION OF LAW. USE OF THIS DOCUMENT IS WITH FULL RESPONSIBILITY OF ALL INHERENT ERRORS OR OMISSIONS. ELECTRONIC COPIES OF THIS DOCUMENT SHALL BE SUBJECT TO THE SAME COPYRIGHT CONDITIONS AS STATED ABOVE. ELECTRONIC MEDIA MAY CONTAIN ERRORS OR SYSTEM INCOMPATIBILITIES. PVE, LLC, IN REGARDS OF THIS DOCUMENT, MAKES NO GUARANTEES AS TO THE ACCURACY OF THE ELECTRONIC DATA OR THE GENERAL RELIABILITY OF THIS DOCUMENT.

© PVE, LLC 2023

PROJECT NAME:

PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL BATTEN DETAILS

PROJECT LOCATION:

PER PROJECT SPECIFICATIONS

DRAWING NAME:

TITLE SHEET

SEAL & SIGNATURE



PROJECT NO:

20240131

DRAWN BY:

JDM

CHECKED BY:

DSG

DRAWING NO:

T-001

PAGE NO:

1 OF 7

GENERAL NOTES:

1. DRAWING REFERENCE:
N/A
2. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO INSTALLATION. DO NOT SCALE OFF DRAWINGS.
3. ALL MEMBERS SHALL BE SAW CUT IN FIELD AS REQUIRED.
4. NO SPLICES SHALL BE PERMITTED UNLESS INDICATED OTHERWISE ON DRAWINGS.
5. TOUCH UP ALL SCRATCHES WITH DEALER PROVIDED COLORS TO MATCH.
6. WELDING IS NOT PERMITTED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
7. THE CONTENTS SHOW THE APPLICATION OF ALUMINUM COMPONENT FRAMING COMPONENTS ONLY. THE INSTALLING CONTRACTOR IS TO REFER TO THE PROJECT DOCUMENTS FOR ADDITIONAL REQUIREMENTS.
8. DIMENSIONS HEREIN ARE FOR ENGINEERING PURPOSES ONLY AND MUST BE REVIEWED FOR THE PURPOSE OF APPROVAL. ALL CONDITIONS ARE SUBJECT TO APPROVAL AND TO FIELD VERIFICATION PRIOR TO FABRICATION OR INSTALLATION.
9. BEFORE ORDERING, FABRICATING OR ERECTING ANY MATERIAL, MAKE ANY NECESSARY SURVEYS AND MEASUREMENTS TO VERIFY THAT IN PLACE WORK HAS BEEN BUILT ACCORDING TO THE CONTRACT DOCUMENTS AND ARE WITHIN ACCEPTABLE TOLERANCES. THIS INCLUDES THE ORIGINAL BUILDINGS AND ALL ADDITIONS THERETO. NOTIFY THE A/E AND OWNER'S REPRESENTATIVES OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
10. TEMPORARY BRACING OF THE SYSTEM AND SAFETY DURING CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. TEMPORARY BRACING OF THE SYSTEM SHALL REMAIN IN PLACE UNTIL THE SYSTEM IS TOTALLY IN PLACE. CONTRACTOR SHALL COORDINATE LOCATIONS OF TEMPORARY BRACING WITH OTHER CONTRACTORS. REFER TO DRAWINGS FOR ADDITIONAL CRITERIA.
11. THIS SUBMITTAL IS SUBJECT TO THE REVIEW AND APPROVAL OF THE PROJECT ARCHITECT/ENGINEER OF RECORD PRIOR TO INSTALLATION.

ALUMINUM NOTES:

1. ALL STRUCTURAL ALUMINUM COMPONENTS SHALL BE FABRICATED AND ERECTED ACCORDING TO THE GOVERNING BUILDING CODE AND ADM-2015.
2. MATERIAL NOTES:
ALL SHAPES SHALL BE ONE OF THE FOLLOWING ALUMINUM ALLOYS AND TEMPER:
BATTENS
6063-T5
F_y: 16 KSI
F_u: 22 KSI
E: 10x10⁹ KSI
3. SCREWS:
SELF-TAPPING METAL SCREWS (AS NOTED) - #10 MINIMUM
GALVANIZED UNLESS NOTED OTHERWISE
304/316 STAINLESS STEEL OR ALUMINUM COATED WHERE NOTED AT HIGH/SALT EXPOSURE
4. WHERE ALUMINUM IS IN CONTACT WITH OTHER METALS EXCEPT 300 SERIES STAINLESS STEEL, ZINC OR CADMIUM AND THE FAYING SURFACES ARE EXPOSED TO MOISTURE, THE OTHER METALS SHALL BE PAINTED OR COATED WITH ZINC, CADMIUM, OR ALUMINUM.
5. UNCOATED ALUMINUM SHALL NOT BE EXPOSED TO MOISTURE OR RUNOFF THAT HAS COME IN CONTACT WITH OTHER UNCOATED METALS EXCEPT 300 SERIES STAINLESS, ZINC, OR CADMIUM.
6. ALUMINUM SURFACES TO BE PLACED IN CONTACT WITH WOOD, FIBERBOARD, OR OTHER POROUS MATERIAL THAT ABSORBS WATER SHALL BE PAINTED.
7. ALUMINUM SURFACES SHALL BE PAINTED IF THEY ARE TO BE PLACED IN CONTACT WITH CONCRETE OR MASONRY UNLESS THE CONCRETE OR MASONRY REMAINS DRY AFTER CURING AND NO CORROSIVE ADDITIVES SUCH AS CHLORIDES ARE USED.
8. ALUMINUM SHALL NOT BE EMBEDDED IN CONCRETE WITH CORROSIVE ADDITIVES SUCH AS CHLORIDES IF THE ALUMINUM IS ELECTRICALLY CONNECTED TO STEEL. ALUMINUM EMBEDDED IN CONCRETE SHALL BE WRAPPED WITH 10 MIL PIPE WRAP OR PLASTIC TAPE. WRAP MUST PROTECT ALL ALUMINUM SURFACES FROM EXPOSURE TO CONCRETE.
9. AS AN ALTERNATIVE TO THE PREVIOUS REQUIREMENTS FOR ALUMINUM IN CONTACT WITH OTHER MATERIALS, ALUMINUM SHALL BE SEPARATED FROM THE MATERIALS OF THIS SECTION BY A NONPOROUS ISOLATOR COMPATIBLE WITH THE ALUMINUM AND THE DISSIMILAR MATERIAL.
10. STEEL FASTENERS WITH A MINIMUM TENSILE ULTIMATE STRENGTH GREATER THAN 120 KSI IN THE LOAD BEARING PORTION OF THE SHANK SHALL NOT BE USED IN CONTACT WITH ALUMINUM. ALL FASTENERS SHALL BE LOCATED AT A SPACING THAT CONFORMS TO AISC STANDARD GAGE AND PITCH.
11. BOLT HOLES SHALL BE DRILLED THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16" (U.O.N.).
12. PREDRILL ALL HOLES FOR MATERIAL THICKER THAN 3/16".
13. NOMINAL DIAMETER OF UNTHREADED HOLES FOR SCREWS SHALL NOT EXCEED THE NOMINAL DIAMETER OF THE SCREWS BY MORE THAN 1/16".
14. THE SPACING BETWEEN SCREW CENTERS SHALL NOT BE LESS THAN 2.5 TIMES THE NOMINAL DIAMETER OF THE SCREWS.
15. THE DISTANCE FROM THE EDGE OF A PART TO THE CENTER OF THE SCREWS SHALL NOT BE LESS THAN 1.5 TIMES THE NOMINAL DIAMETER OF THE SCREW.
16. WASHERS SHALL HAVE A NOMINAL DIAMETER NOT LESS THAN 5/16" AND SHALL HAVE A NOMINAL THICKNESS NOT LESS THAN 0.050".

BUILDING LOADS:

1. SUPERIMPOSED DEAD LOAD AND LIVE LOADS

a. DEAD LOAD

1. B-2X81.57 PLF

2. B-2X61.30 PLF

3. B-2X41.04 PLF

4. B-2X20.78 PLF

b. LIVE LOADS

1. SEE SPAN TABLES
2. SNOW LOADS

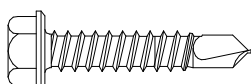
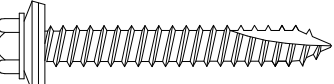
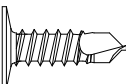
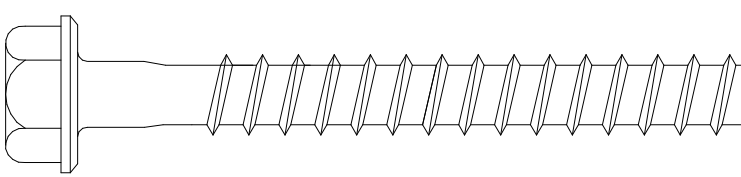
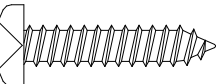
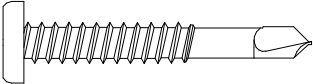
a. SEE SPAN TABLES
3. WIND

a. SEE SPAN TABLES
4. SEISMIC LOADS

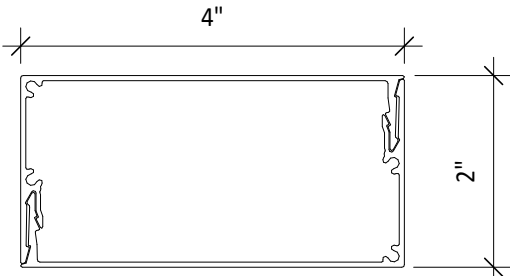
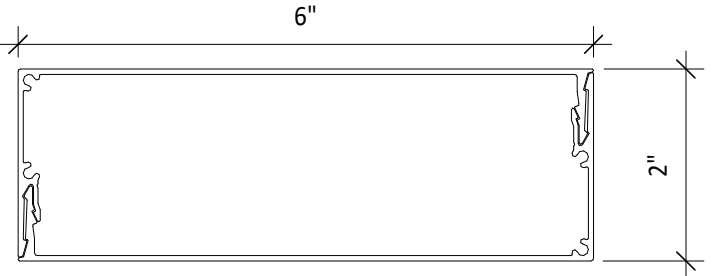
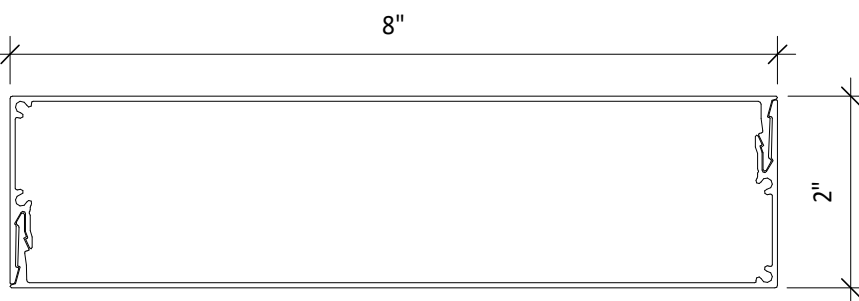
a. SEE SPAN TABLES

TYPICAL SCREW FASTENER LEGEND:

NOTE: SCREWS SHOWN BELOW ARE TYPICAL EXAMPLES AND ALL MAY NOT BE USED IN PROJECT. CONTRACTOR MAY ELECT TO USE OTHER TYPES. SCREW MATERIAL PER THE GENERAL NOTES AND MINIMUM SCREW DIAMETER PER THE DETAILS MUST BE MAINTAINED. DRILL POINT, HEAD STYLE, AND THREAD COUNT PER INCH SHALL BE SELECTED BY THE CONTRACTOR BASED ON THE APPLICATION.

#10-16X1" HEX WASHER HEAD (HWH) SELF DRILLING SCREW (5/16" HEX-HEAD) (METAL TO METAL) MANUF. PART NO. 10100HW3CS		TRIANGLE FASTENER 1-800-486-1832
#10-12X1-1/2" BURR-BUSTER SELF DRILLING SCREW (5/16" HEX-HEAD) (METAL TO WOOD) MANUF. PART NO. 10150HWB817CST5BW		TRIANGLE FASTENER 1-800-486-1832
#10-16X5/8" BLAZER LO PROFILE PANCAKE HEAD SELF DRILLING SCREW (2/2 QUADREX DRIVE) (METAL TO METAL) MANUF. PART NO. CSSD5-#10X5/8"-PC-QX-F		TRIANGLE FASTENER 1-800-486-1832
#10-13X2" GP SELF DRILLING SCREW (2/2 QUADREX DRIVE) (THIN METAL) MANUF. PART NO. 10200SPCGSTS		TRIANGLE FASTENER 1-800-486-1832
1/4"x2" KH-EZ S5316 SELF DRILLING SCREW (7/16" HEX-HEAD) (METAL TO CONCRETE) MANUF. PART NO. KH-EZ S5316 1/4x2 SCREW		HILTI 1-800-879-8000
#12-11X1" GP SELF DRILLING SCREW (2/2 QUADREX DRIVE) (THIN METAL) MANUF. PART NO. 12100SPCGSTS		TRIANGLE FASTENER 1-800-486-1832
#12-24X1-1/2" SD5 PANCAKE HEAD SELF DRILLING SCREW (2/2 QUADREX DRIVE) (METAL TO METAL) MANUF. PART NO. CSSD5-#12X1-1/2"-PC-QX-F		SFS INTECT 1-800-234-4533
#12-24X4-3/4" CONCEALOR SELF DRILLING SCREW (#3 SQUARE) (METAL THRU EPS TO METAL) MANUF. PART NO. 12675OC3SE		TRIANGLE FASTENER 1-800-486-1832

ENLARGED PART DETAILS:

B-2X4	
B-2X6	
B-2X8	

PREPARED BY:



PREPARED FOR:



ISSUED FOR:

REFERENCE

ISSUED DATE:

05/02/2025

PLAN REVISIONS

NO.	DATE	DESCRIPTION

THE DESIGN CONCEPTS, IDEAS, AND ALL ASSOCIATED INFORMATION DEPICTED HEREIN IS THE SOLE PROPERTY OF PVE, LLC. THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR BENEFIT OF THE PERSONS NAMED ABOVE AND FOR THE PROJECT NOTED ON THIS DOCUMENT. THE REPRODUCTION, ALTERATION, USE BY ANY THIRD PARTY, OR USE FOR ANY PURPOSE OTHER THAN PROPOSED, WITHOUT WRITTEN CONSENT FROM PVE, LLC, IS PROHIBITED AND A VIOLATION OF LAW. USE OF THIS DOCUMENT IS WITH FULL RESPONSIBILITY OF ALL INHERENT ERRORS OR OMISSIONS. ELECTRONIC COPIES OF THIS DOCUMENT SHALL BE SUBJECT TO THE SAME COPYRIGHT CONDITIONS AS STATED ABOVE. ELECTRONIC MEDIA MAY CONTAIN ERRORS OR SYSTEM INCOMPATIBILITIES. PVE, LLC, IN ISSUANCE OF THIS DOCUMENT, MAKES NO GUARANTEE AS TO THE ACCURACY OF THE ELECTRONIC DATA OR THE GENERAL AVAILABILITY OF THIS DOCUMENT.
© PVE, LLC 2023

PROJECT NAME:

PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL BATTEN DETAILS

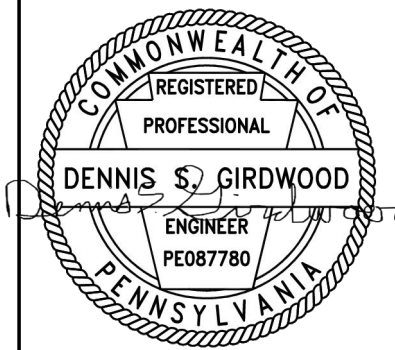
PROJECT LOCATION:

PER PROJECT SPECIFICATIONS

DRAWING NAME:

GENERAL NOTES

SEAL & SIGNATURE



PROJECT NO:

20240131

DRAWN BY:

JDM

CHECKED BY:

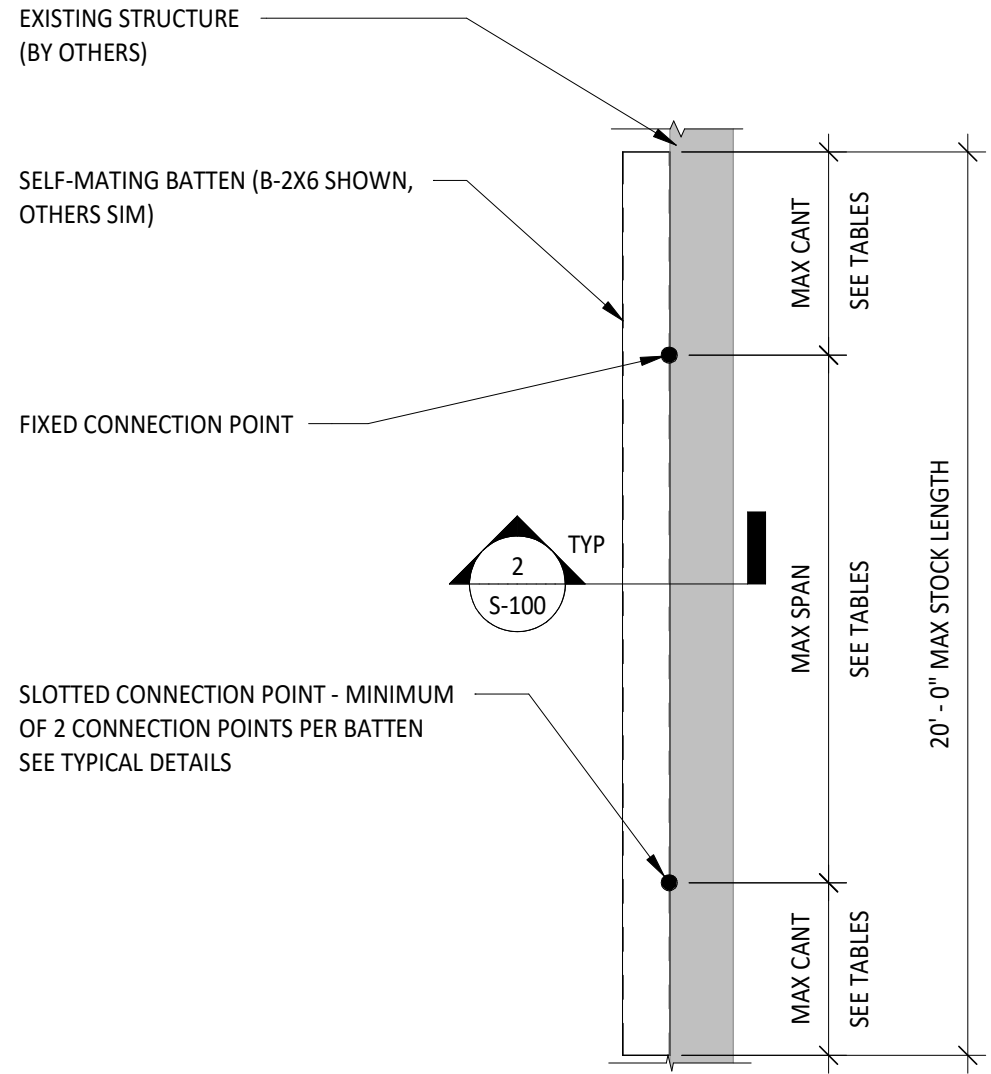
DSG

DRAWING NO:

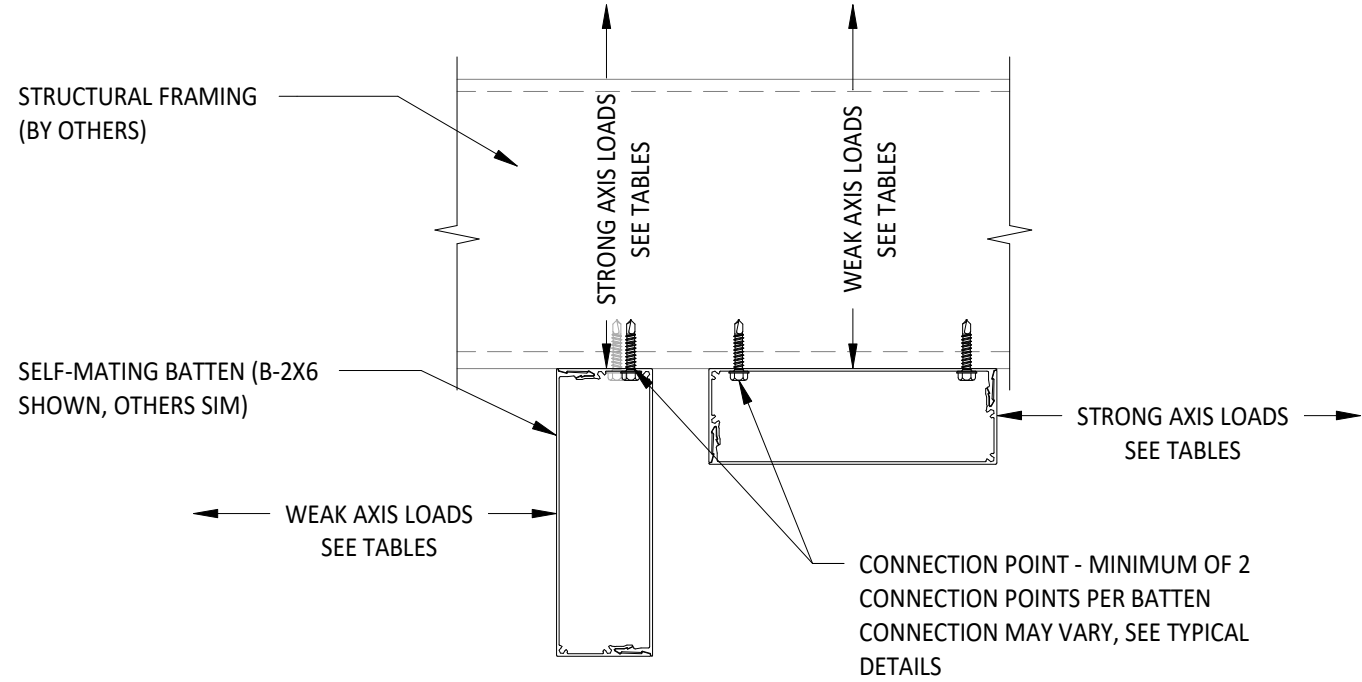
S-001

PAGE NO:

2 OF 7



1 TYPICAL OVERALL VERTICAL BATTEN SECTION VIEW
1/2" = 1'-0"



2 TYPICAL VERTICAL BATTEN LOADING DIAGRAM
3" = 1'-0"

2X4 (B-2X4) SIMPLY SUPPORTED BATTEN SPAN TABLE ¹²³				
MAX SPAN	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	109 PLF	435 LBS	87 PLF	348 LBS
9'-0"	86 PLF	387 LBS	67 PLF	309 LBS
10'-0"	69 PLF	348 LBS	49 PLF	278 LBS
11'-0"	57 PLF	317 LBS	37 PLF	253 LBS
12'-0"	48 PLF	290 LBS	28 PLF	214 LBS
13'-0"	41 PLF	268 LBS	22 PLF	182 LBS
14'-0"	35 PLF	249 LBS	18 PLF	157 LBS
15'-0"	31 PLF	232 LBS	14 PLF	137 LBS
16'-0"	27 PLF	217 LBS	12 PLF	120 LBS
17'-0"	24 PLF	205 LBS	10 PLF	106 LBS
18'-0"	21 PLF	193 LBS	8 PLF	95 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

2X4 (B-2X4) CANTILEVERED BATTEN SPAN TABLE ¹²³				
MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	435 PLF	435 LBS	348 PLF	348 LBS
3'-0"	193 PLF	290 LBS	154 PLF	232 LBS
4'-0"	109 PLF	217 LBS	87 PLF	174 LBS
5'-0"	69 PLF	174 LBS	55 PLF	139 LBS
6'-0"	48 PLF	145 LBS	38 PLF	107 LBS
7'-0"	35 PLF	124 LBS	28 PLF	78 LBS
8'-0"	27 PLF	109 LBS	20 PLF	60 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

2X6 (B-2X6) SIMPLY SUPPORTED BATTEN SPAN TABLE ¹²³				
MAX SPAN	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	189 PLF	756 LBS	76 PLF	306 LBS
9'-0"	149 PLF	672 LBS	60 PLF	272 LBS
10'-0"	121 PLF	605 LBS	49 PLF	245 LBS
11'-0"	100 PLF	550 LBS	40 PLF	223 LBS
12'-0"	84 PLF	504 LBS	34 PLF	204 LBS
13'-0"	71 PLF	465 LBS	29 PLF	188 LBS
14'-0"	61 PLF	432 LBS	24 PLF	175 LBS
15'-0"	53 PLF	403 LBS	20 PLF	163 LBS
16'-0"	47 PLF	378 LBS	16 PLF	153 LBS
17'-0"	41 PLF	355 LBS	13 PLF	144 LBS
18'-0"	37 PLF	336 LBS	11 PLF	131 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

2X6 (B-2X6) CANTILEVERED BATTEN SPAN TABLE ¹²³				
MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	756 PLF	756 LBS	306 PLF	306 LBS
3'-0"	336 PLF	504 LBS	136 PLF	204 LBS
4'-0"	189 PLF	378 LBS	76 PLF	153 LBS
5'-0"	121 PLF	302 LBS	49 PLF	122 LBS
6'-0"	84 PLF	252 LBS	34 PLF	102 LBS
7'-0"	61 PLF	216 LBS	25 PLF	87 LBS
8'-0"	47 PLF	189 LBS	19 PLF	76 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

2X8 (B-2X8) SIMPLY SUPPORTED BATTEN SPAN TABLE ¹²³				
MAX SPAN	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	283 PLF	1135 LBS	97 PLF	390 LBS
9'-0"	224 PLF	1009 LBS	77 PLF	347 LBS
10'-0"	181 PLF	908 LBS	62 PLF	312 LBS
11'-0"	150 PLF	826 LBS	51 PLF	284 LBS
12'-0"	126 PLF	757 LBS	43 PLF	260 LBS
13'-0"	107 PLF	698 LBS	37 PLF	240 LBS
14'-0"	92 PLF	649 LBS	31 PLF	223 LBS
15'-0"	80 PLF	605 LBS	25 PLF	208 LBS
16'-0"	71 PLF	567 LBS	21 PLF	195 LBS
17'-0"	62 PLF	534 LBS	17 PLF	183 LBS
18'-0"	56 PLF	504 LBS	14 PLF	167 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

2X8 (B-2X8) CANTILEVERED BATTEN SPAN TABLE ¹²³				
MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	1135 PLF	1135 LBS	390 PLF	390 LBS
3'-0"	504 PLF	757 LBS	173 PLF	260 LBS
4'-0"	283 PLF	567 LBS	97 PLF	195 LBS
5'-0"	181 PLF	454 LBS	62 PLF	156 LBS
6'-0"	126 PLF	378 LBS	43 PLF	130 LBS
7'-0"	92 PLF	324 LBS	31 PLF	111 LBS
8'-0"	71 PLF	283 LBS	24 PLF	97 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

PREPARED BY:



PREPARED FOR:



ISSUED FOR:

REFERENCE

ISSUED DATE:

05/02/2025

PLAN REVISIONS

NO.	DATE	DESCRIPTION

THE DESIGN CONCEPTS, IDEAS, AND ALL ASSOCIATED INFORMATION DEPICTED HEREIN IS THE SOLE PROPERTY OF PVE, LLC. THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR THE BENEFIT OF THE PERSONS NAMED ABOVE AND FOR THE PROJECT NOTED ON THIS DOCUMENT. THE REPRODUCTION, ALTERATION, USE BY ANY THIRD PARTY, OR USE FOR ANY PURPOSE OTHER THAN PROPOSED, WITHOUT WRITTEN CONSENT FROM PVE, LLC, IS PROHIBITED AND A VIOLATION OF LAW. USE OF THIS DOCUMENT IS WITH FULL RESPONSIBILITY OF ALL INHERENT ERRORS OR OMISSIONS. ELECTRONIC COPIES OF THIS DOCUMENT SHALL BE SUBJECT TO THE SAME COPYRIGHT CONDITIONS AS STATED ABOVE. ELECTRONIC MEDIA MAY CONTAIN ERRORS OR SYSTEM INCOMPATIBILITIES. PVE, LLC, IN REGARDS OF THIS DOCUMENT, MAKES NO GUARANTEE AS TO THE ACCURACY OF THE ELECTRONIC DATA OR THE GENERAL INFORMABILITY OF THIS DOCUMENT.
© PVE, LLC, 2023

PROJECT NAME:

PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL BATTEN DETAILS

PROJECT LOCATION:

PER PROJECT SPECIFICATIONS

DRAWING NAME:

VERTICAL BATTEN SPAN TABLES

SEAL & SIGNATURE



PROJECT NO:

20240131

DRAWN BY:

JDM

CHECKED BY:

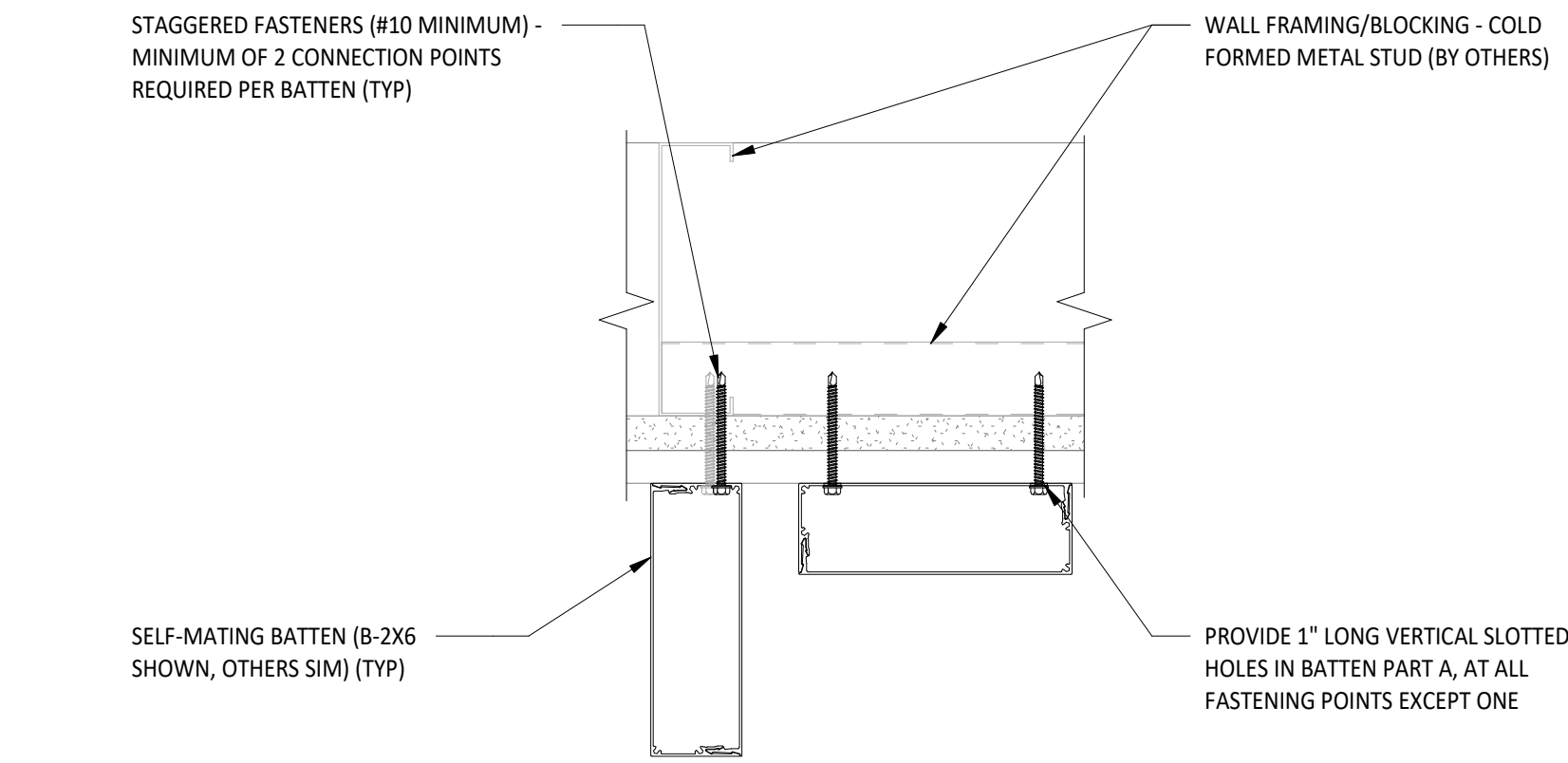
DSG

DRAWING NO:

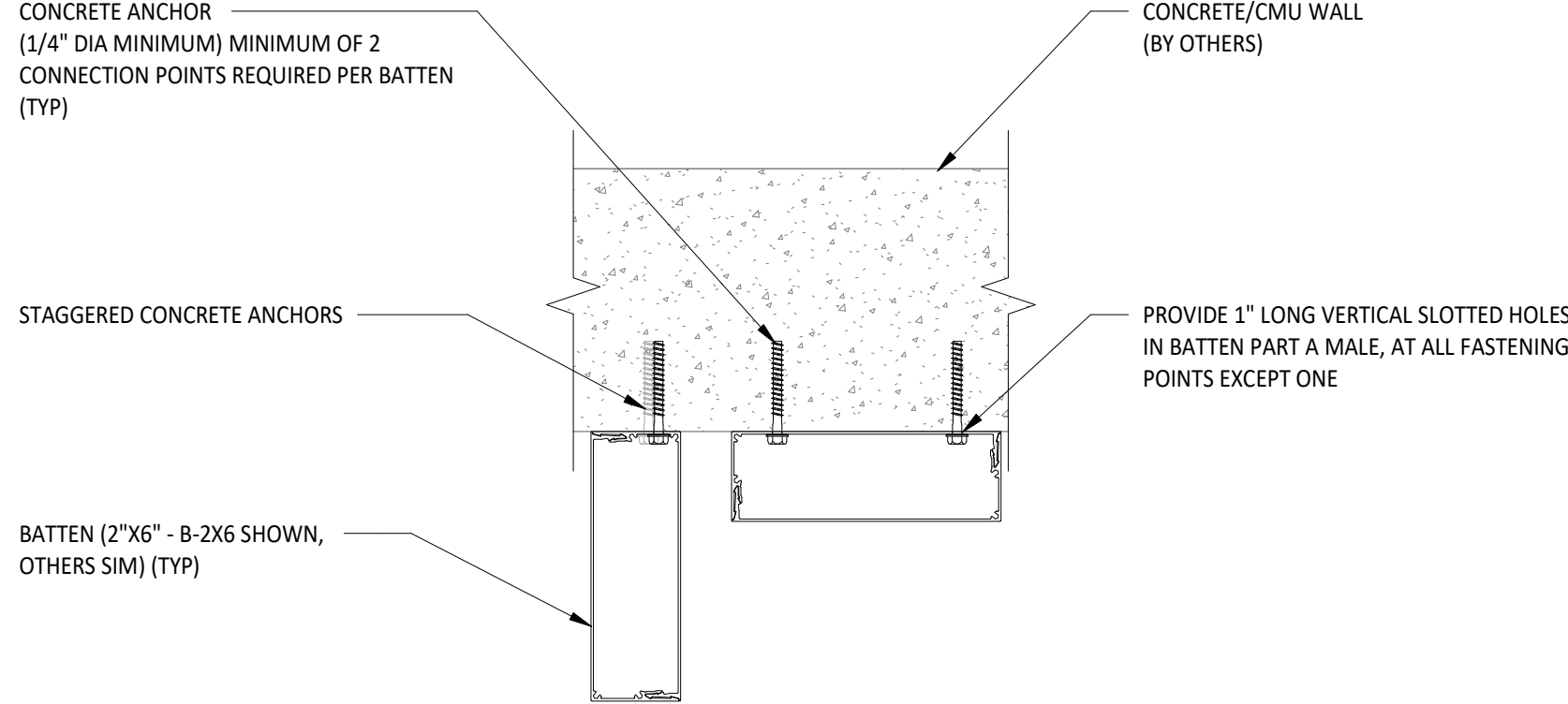
S-100

PAGE NO:

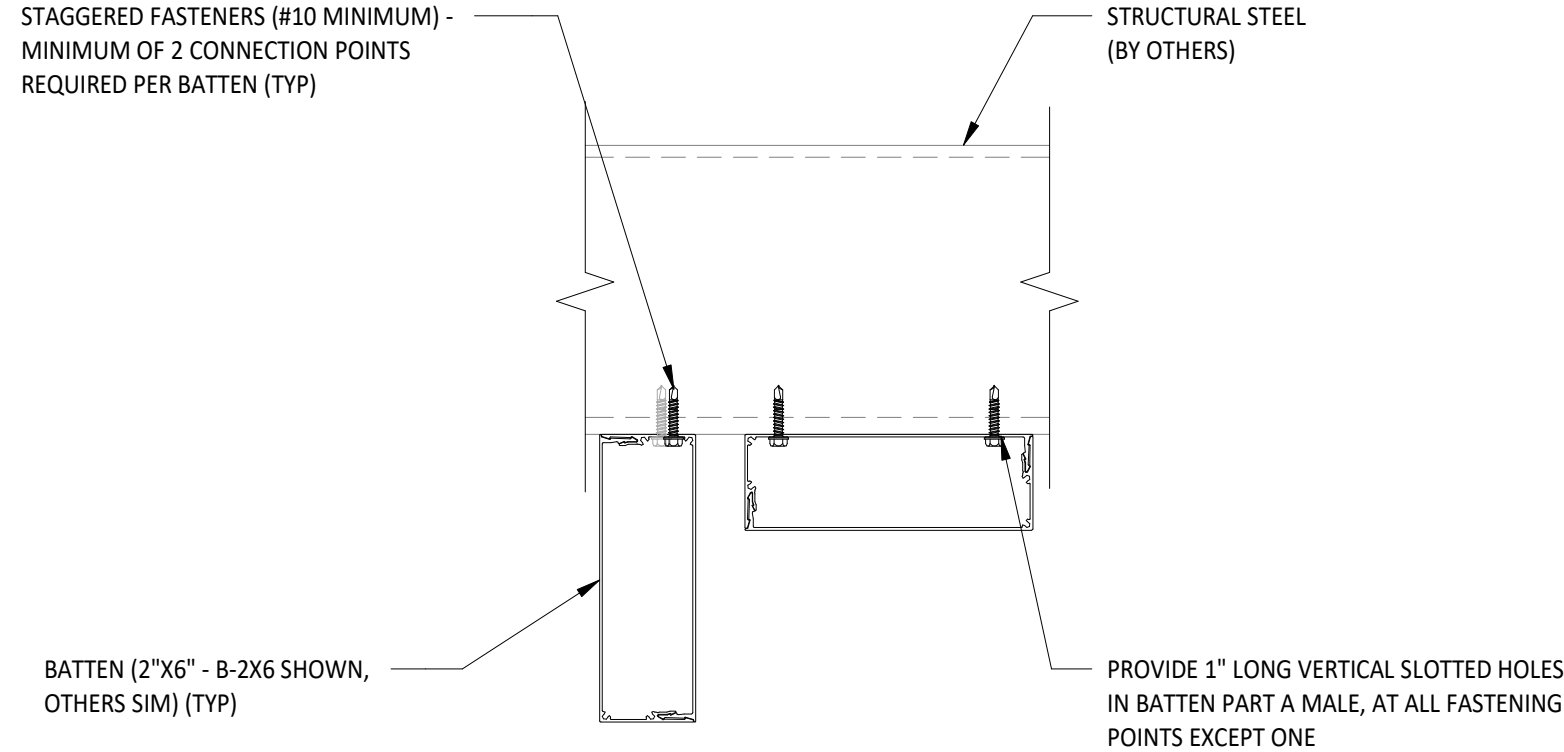
3 OF 7



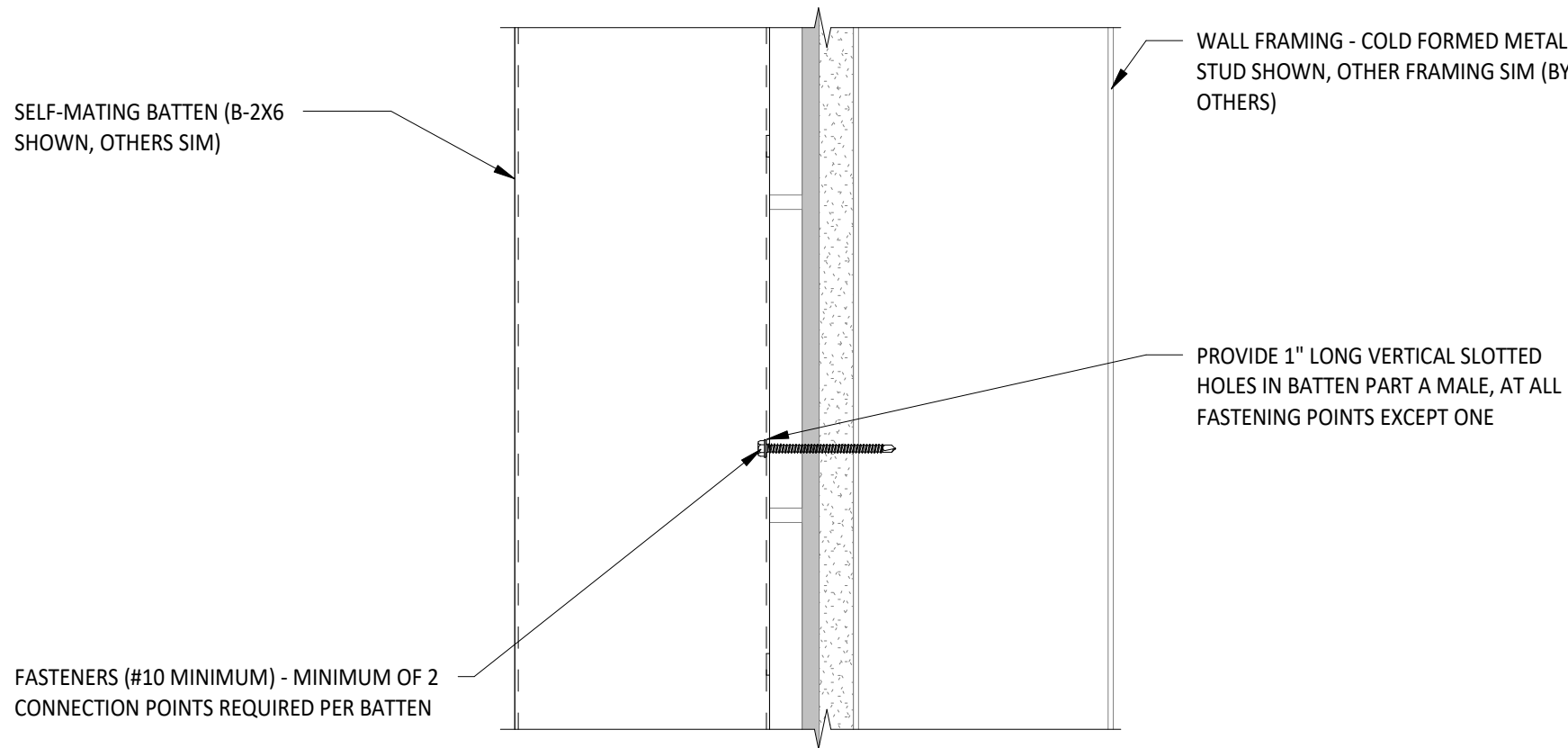
1 TYPICAL VERTICAL BATTEN CONNECTION TO LIGHT GAUGE PLAN VIEW
3" = 1'-0"



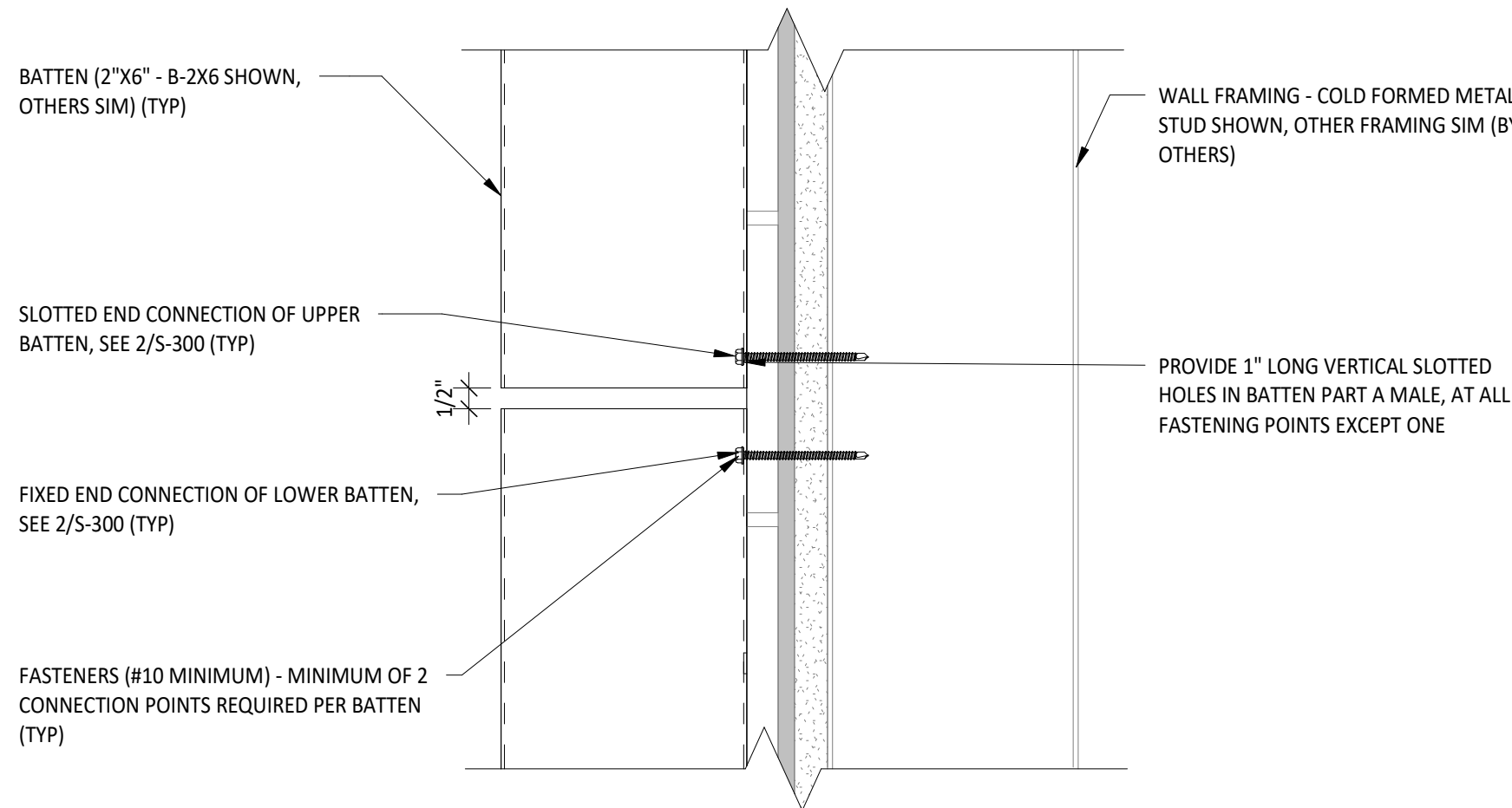
2 TYPICAL VERTICAL BATTEN CONNECTION TO CONCRETE/CMU PLAN VIEW
3" = 1'-0"



3 TYPICAL VERTICAL BATTEN CONNECTION TO STRUCTURAL STEEL PLAN VIEW
3" = 1'-0"



4 TYPICAL VERTICAL BATTEN CONNECTION SECTION VIEW
3" = 1'-0"



5 TYPICAL VERTICAL BATTEN SPLICE CONNECTION SECTION VIEW
3" = 1'-0"

PREPARED BY:



PREPARED FOR:



ISSUED FOR:

REFERENCE

ISSUED DATE:

05/02/2025

PLAN REVISIONS

NO.	DATE	DESCRIPTION

THE DESIGN CONCEPTS, IDEAS, AND ALL ASSOCIATED INFORMATION DEPICTED HEREIN IS THE SOLE PROPERTY OF PVE, LLC. THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR THE BENEFIT OF THE PERSONS NAMED ABOVE AND FOR THE PROJECT NOTED ON THIS DOCUMENT. THE REPRODUCTION, ALTERATION, USE BY ANY THIRD PARTY, OR USE FOR ANY PURPOSE OTHER THAN PROPOSED, WITHOUT WRITTEN CONSENT FROM PVE, LLC, IS PROHIBITED AND A VIOLATION OF LAW. USE OF THIS DOCUMENT IS WITH FULL RESPONSIBILITY OF ALL INHERENT ERRORS OR OMISSIONS. ELECTRONIC COPIES OF THIS DOCUMENT SHALL BE SUBJECT TO THE SAME COPYRIGHT CONDITIONS AS STATED ABOVE. ELECTRONIC MEDIA MAY CONTAIN ERRORS OR SYSTEM INCOMPATIBILITIES. PVE, LLC, IN ISSUANCE OF THIS DOCUMENT, MAKES NO GUARANTEE AS TO THE ACCURACY OF THE ELECTRONIC DATA OR THE GENERAL RELIABILITY OF THIS DOCUMENT.

© PVE, LLC, 2023

PROJECT NAME:

PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL BATTEN DETAILS

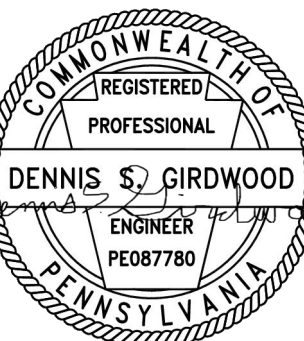
PROJECT LOCATION:

PER PROJECT SPECIFICATIONS

DRAWING NAME:

VERTICAL BATTEN CONNECTION DETAILS

SEAL & SIGNATURE



PROJECT NO:

20240131

DRAWN BY:

JDM

CHECKED BY:

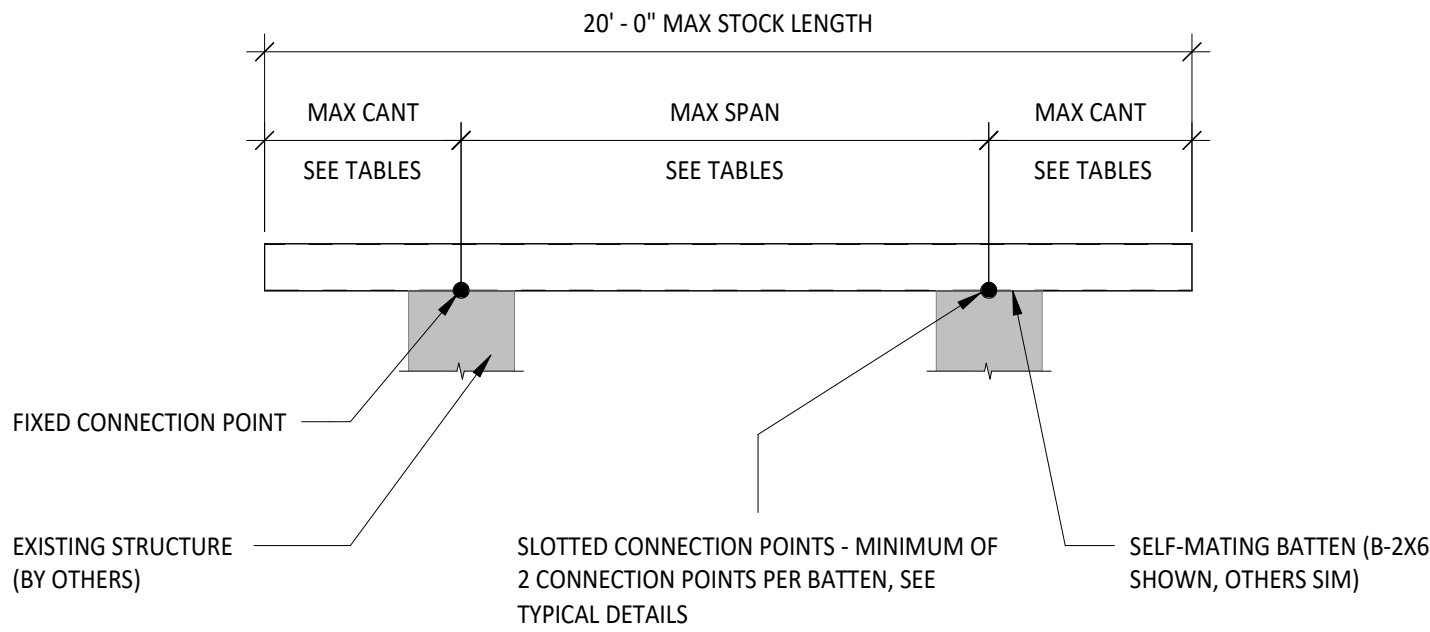
DSG

DRAWING NO:

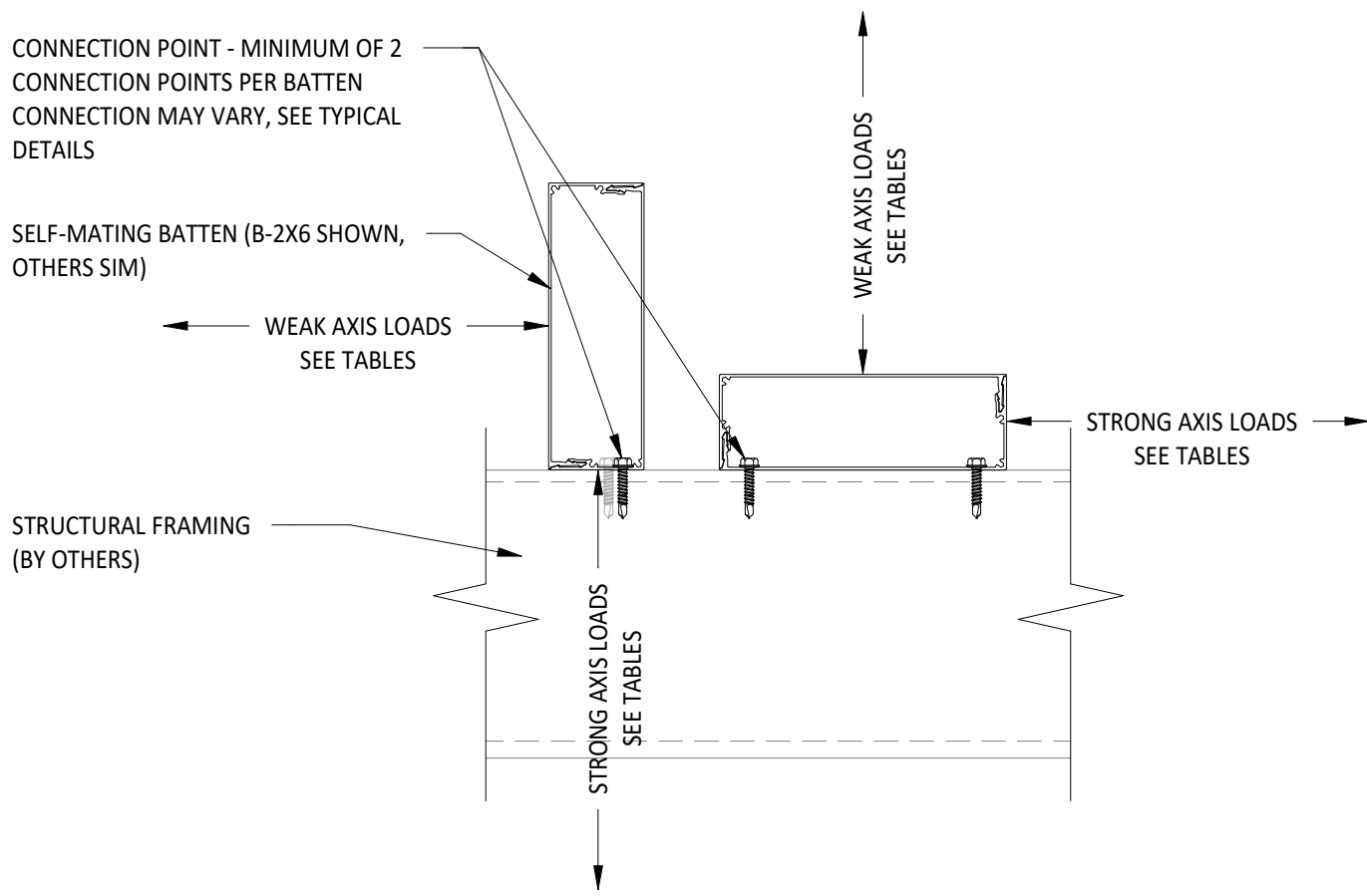
S-101

PAGE NO:

4 OF 7



1 TYPICAL OVERALL HORIZONTAL BATTEN SECTION VIEW
1/2" = 1'-0"



2 TYPICAL HORIZONTAL BATTEN LOADING DIAGRAM
3" = 1'-0"

2X4 (B-2X4) SIMPLY SUPPORTED BATTEN SPAN TABLE ¹²³				
MAX SPAN	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	108 PLF	432 LBS	54 PLF	219 LBS
9'-0"	85 PLF	384 LBS	43 PLF	194 LBS
10'-0"	68 PLF	345 LBS	34 PLF	174 LBS
11'-0"	56 PLF	314 LBS	28 PLF	158 LBS
12'-0"	47 PLF	287 LBS	23 PLF	145 LBS
13'-0"	40 PLF	265 LBS	20 PLF	133 LBS
14'-0"	34 PLF	246 LBS	17 PLF	124 LBS
15'-0"	30 PLF	229 LBS	13 PLF	115 LBS
16'-0"	26 PLF	214 LBS	11 PLF	108 LBS
17'-0"	23 PLF	202 LBS	9 PLF	101 LBS
18'-0"	20 PLF	190 LBS	7 PLF	92 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

2X4 (B-2X4) CANTILEVERED BATTEN SPAN TABLE ¹²³				
MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	434 PLF	432 LBS	221 PLF	219 LBS
3'-0"	192 PLF	287 LBS	97 PLF	145 LBS
4'-0"	108 PLF	214 LBS	54 PLF	108 LBS
5'-0"	68 PLF	171 LBS	34 PLF	85 LBS
6'-0"	47 PLF	142 LBS	23 PLF	71 LBS
7'-0"	34 PLF	121 LBS	17 PLF	60 LBS
8'-0"	26 PLF	106 LBS	12 PLF	52 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

2X6 (B-2X6) SIMPLY SUPPORTED BATTEN SPAN TABLE ¹²³				
MAX SPAN	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	187 PLF	753 LBS	74 PLF	303 LBS
9'-0"	147 PLF	669 LBS	58 PLF	269 LBS
10'-0"	119 PLF	602 LBS	47 PLF	242 LBS
11'-0"	98 PLF	547 LBS	38 PLF	220 LBS
12'-0"	82 PLF	501 LBS	32 PLF	201 LBS
13'-0"	69 PLF	462 LBS	27 PLF	185 LBS
14'-0"	59 PLF	429 LBS	23 PLF	172 LBS
15'-0"	52 PLF	400 LBS	18 PLF	160 LBS
16'-0"	45 PLF	375 LBS	14 PLF	150 LBS
17'-0"	40 PLF	352 LBS	12 PLF	141 LBS
18'-0"	35 PLF	333 LBS	9 PLF	128 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

2X6 (B-2X6) CANTILEVERED BATTEN SPAN TABLE ¹²³				
MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	754 PLF	753 LBS	304 PLF	303 LBS
3'-0"	334 PLF	501 LBS	134 PLF	201 LBS
4'-0"	187 PLF	375 LBS	74 PLF	150 LBS
5'-0"	119 PLF	299 LBS	47 PLF	119 LBS
6'-0"	82 PLF	249 LBS	32 PLF	99 LBS
7'-0"	59 PLF	213 LBS	23 PLF	84 LBS
8'-0"	45 PLF	186 LBS	17 PLF	73 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

2X8 (B-2X8) SIMPLY SUPPORTED BATTEN SPAN TABLE ¹²³				
MAX SPAN	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	281 PLF	1132 LBS	95 PLF	387 LBS
9'-0"	221 PLF	1006 LBS	74 PLF	344 LBS
10'-0"	179 PLF	905 LBS	60 PLF	309 LBS
11'-0"	147 PLF	823 LBS	49 PLF	281 LBS
12'-0"	123 PLF	754 LBS	41 PLF	257 LBS
13'-0"	105 PLF	695 LBS	34 PLF	237 LBS
14'-0"	90 PLF	646 LBS	29 PLF	220 LBS
15'-0"	78 PLF	602 LBS	23 PLF	205 LBS
16'-0"	68 PLF	564 LBS	18 PLF	192 LBS
17'-0"	60 PLF	531 LBS	15 PLF	180 LBS
18'-0"	53 PLF	501 LBS	12 PLF	164 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

2X8 (B-2X8) CANTILEVERED BATTEN SPAN TABLE ¹²³				
MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS ²		MAX WEAK AXIS LOAD ²	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	1133 PLF	1132 LBS	388 PLF	387 LBS
3'-0"	502 PLF	754 LBS	171 PLF	257 LBS
4'-0"	281 PLF	564 LBS	95 PLF	192 LBS
5'-0"	179 PLF	451 LBS	60 PLF	153 LBS
6'-0"	123 PLF	375 LBS	41 PLF	127 LBS
7'-0"	90 PLF	321 LBS	29 PLF	108 LBS
8'-0"	68 PLF	280 LBS	22 PLF	94 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
2. MAXIMUM ASD FACTORED LOADS ALLOWED FOR SPAN AS DEFINED BY ASCE 7
3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

PREPARED BY:



PREPARED FOR:



ISSUED FOR:

REFERENCE

ISSUED DATE:

05/02/2025

PLAN REVISIONS

NO.	DATE	DESCRIPTION

THE DESIGN CONCEPTS, IDEAS, AND ALL ASSOCIATED INFORMATION DEPICTED HEREIN IS THE SOLE PROPERTY OF PVE, LLC. THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR THE BENEFIT OF THE PERSONS NAMED ABOVE AND FOR THE PROJECT NOTED ON THIS DOCUMENT. THE REPRODUCTION, ALTERATION, USE BY ANY THIRD PARTY, OR USE FOR ANY PURPOSE OTHER THAN PROPOSED, WITHOUT WRITTEN CONSENT FROM PVE, LLC, IS PROHIBITED AND A VIOLATION OF LAW. USE OF THIS DOCUMENT IS WITH FULL RESPONSIBILITY OF ALL INHERENT ERRORS OR OMISSIONS. ELECTRONIC COPIES OF THIS DOCUMENT SHALL BE SUBJECT TO THE SAME COPYRIGHT CONDITIONS AS STATED ABOVE. ELECTRONIC MEDIA MAY CONTAIN ERRORS OR SYSTEM INCOMPATIBILITIES. PVE, LLC, IN REGARDS OF THIS DOCUMENT, MAKES NO GUARANTEE AS TO THE ACCURACY OF THE ELECTRONIC DATA OR THE GENERAL RELIABILITY OF THIS DOCUMENT. © PVE, LLC 2023

PROJECT NAME:

PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL BATTEN DETAILS

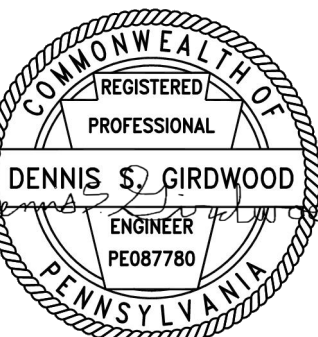
PROJECT LOCATION:

PER PROJECT SPECIFICATIONS

DRAWING NAME:

HORIZONTAL BATTEN SPAN TABLES

SEAL & SIGNATURE



PROJECT NO:

20240131

DRAWN BY:

JDM

CHECKED BY:

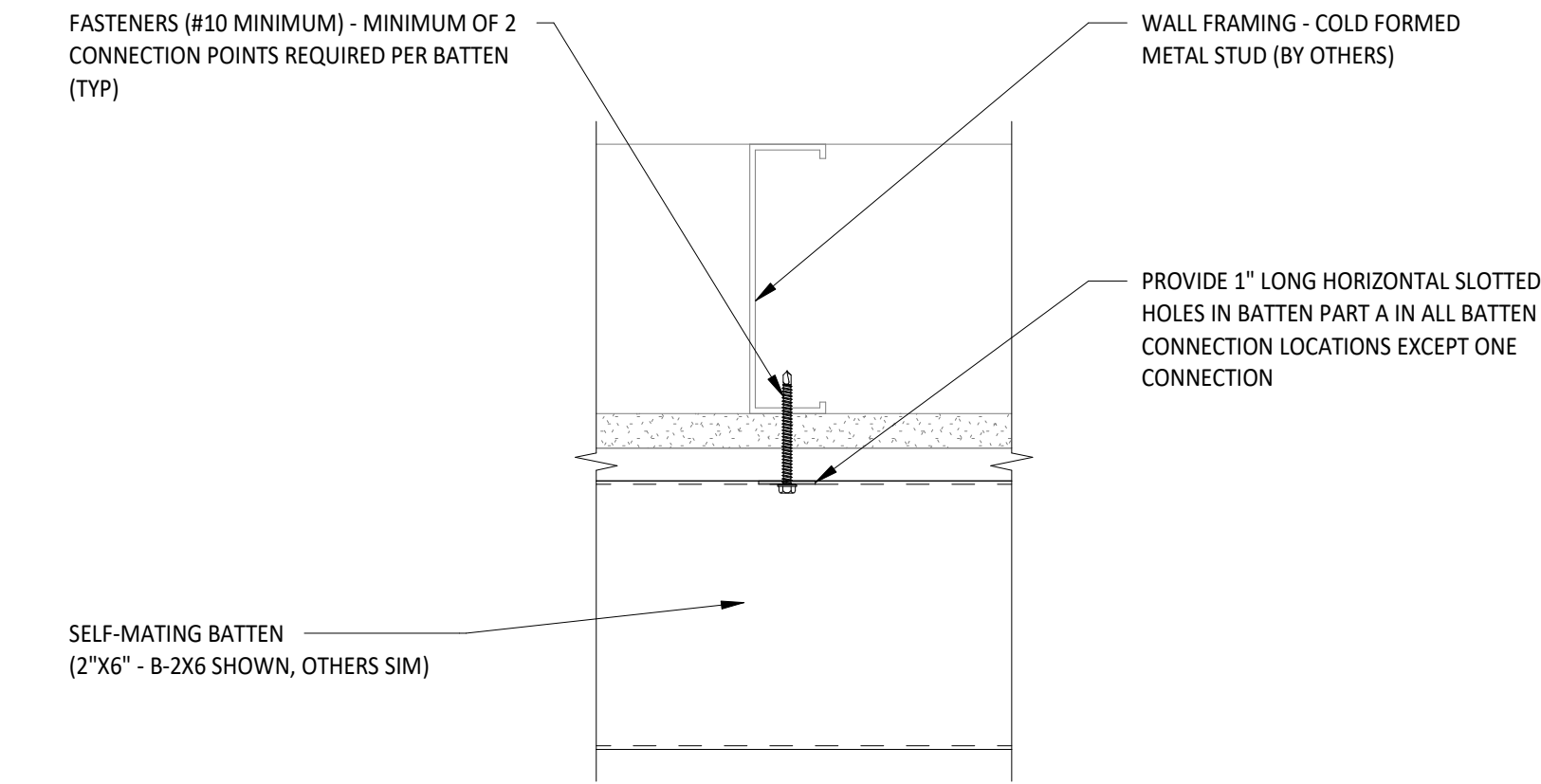
DSG

DRAWING NO:

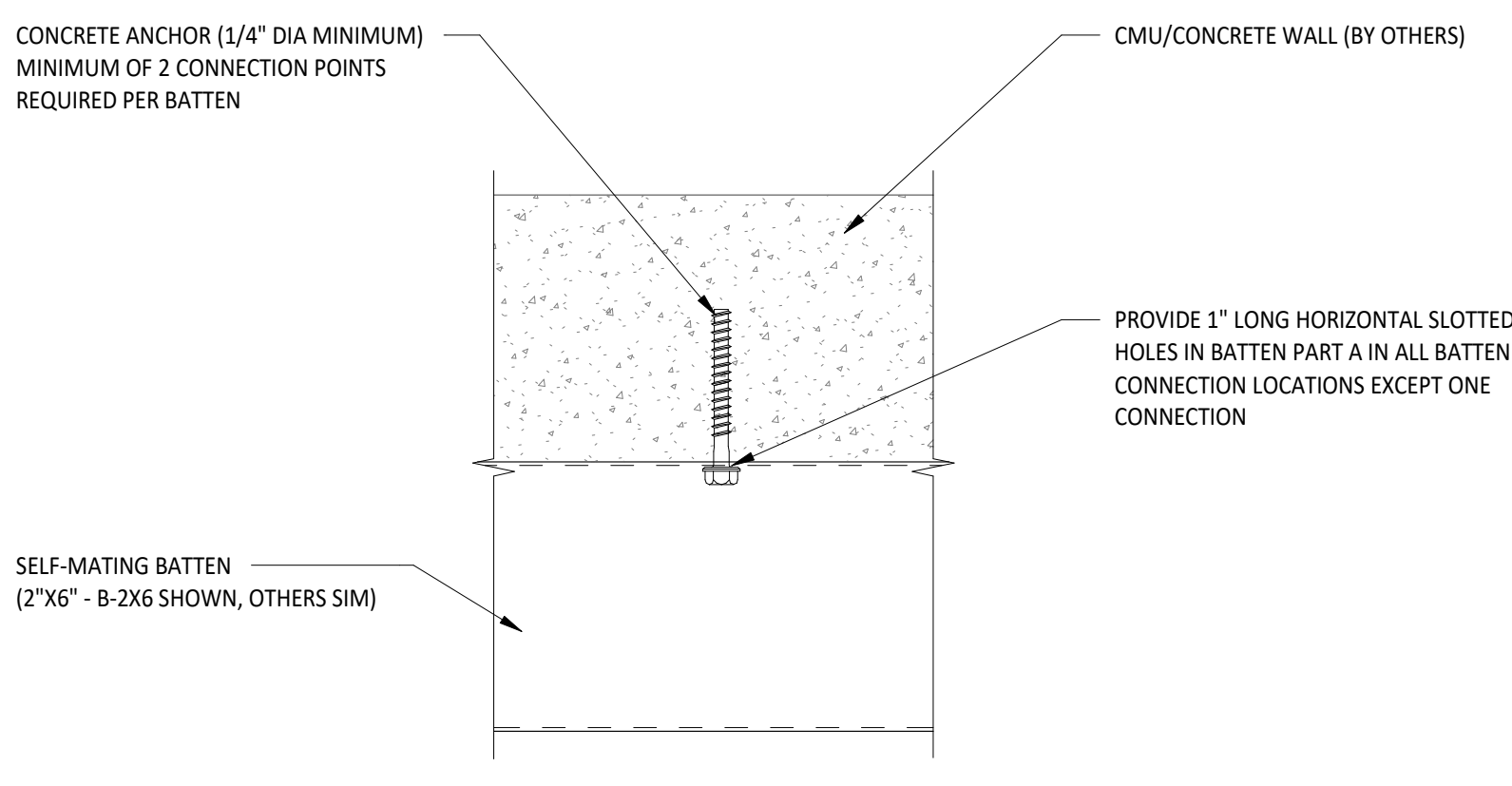
S-200

PAGE NO:

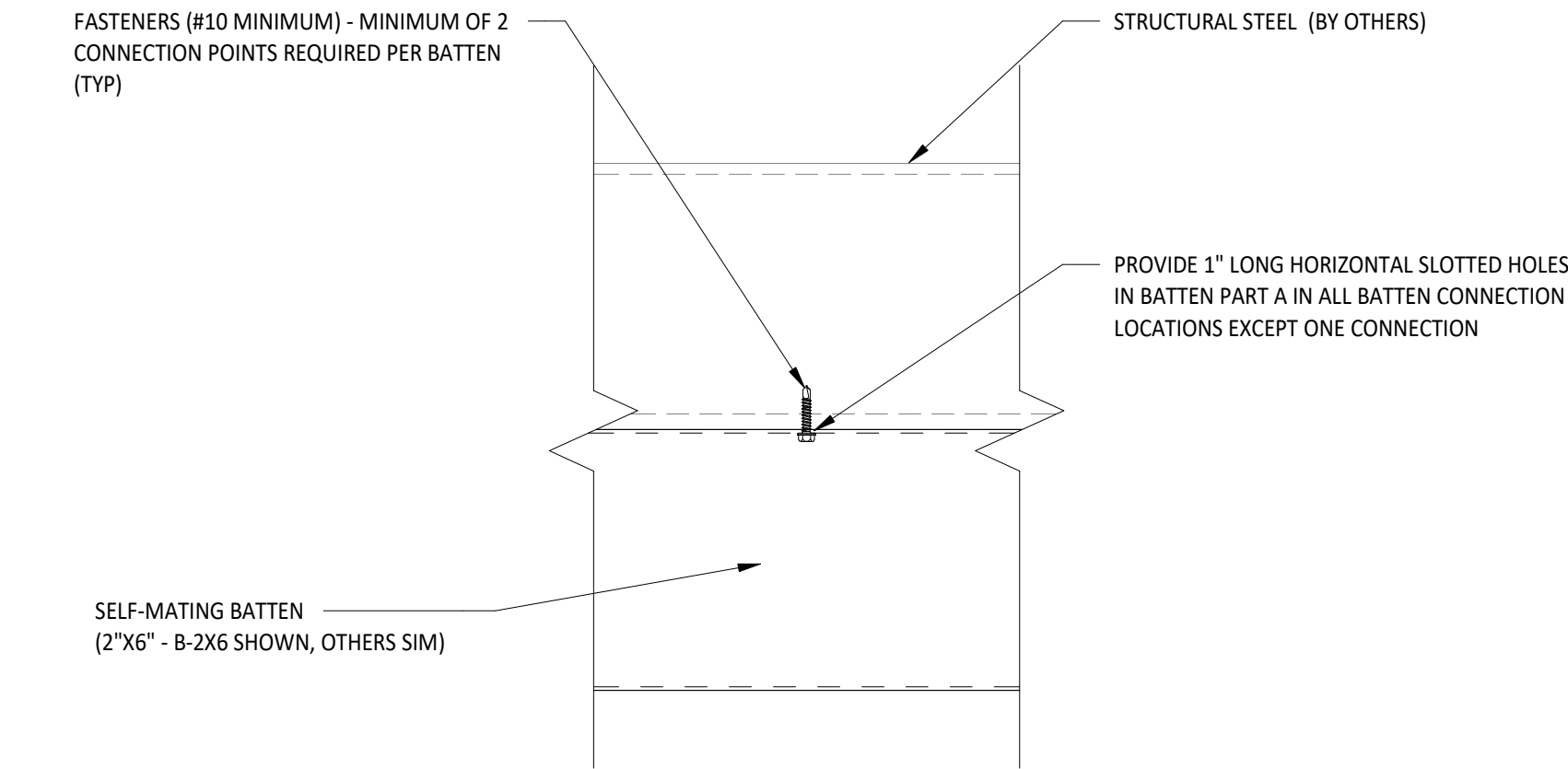
5 OF 7



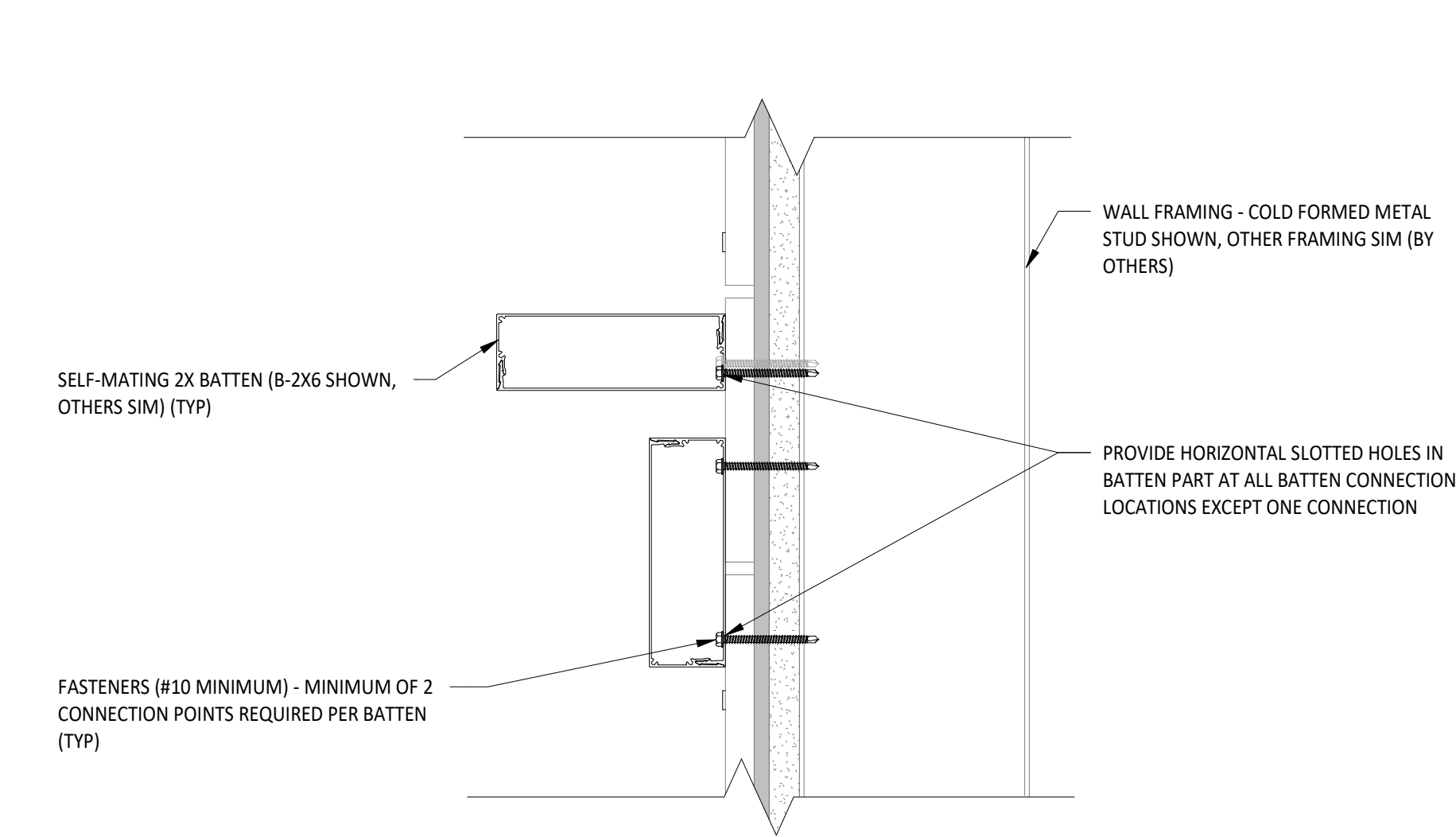
1 TYPICAL HORIZONTAL BATTEN CONNECTION TO LIGHT GAUGE PLAN VIEW
3" = 1'-0"



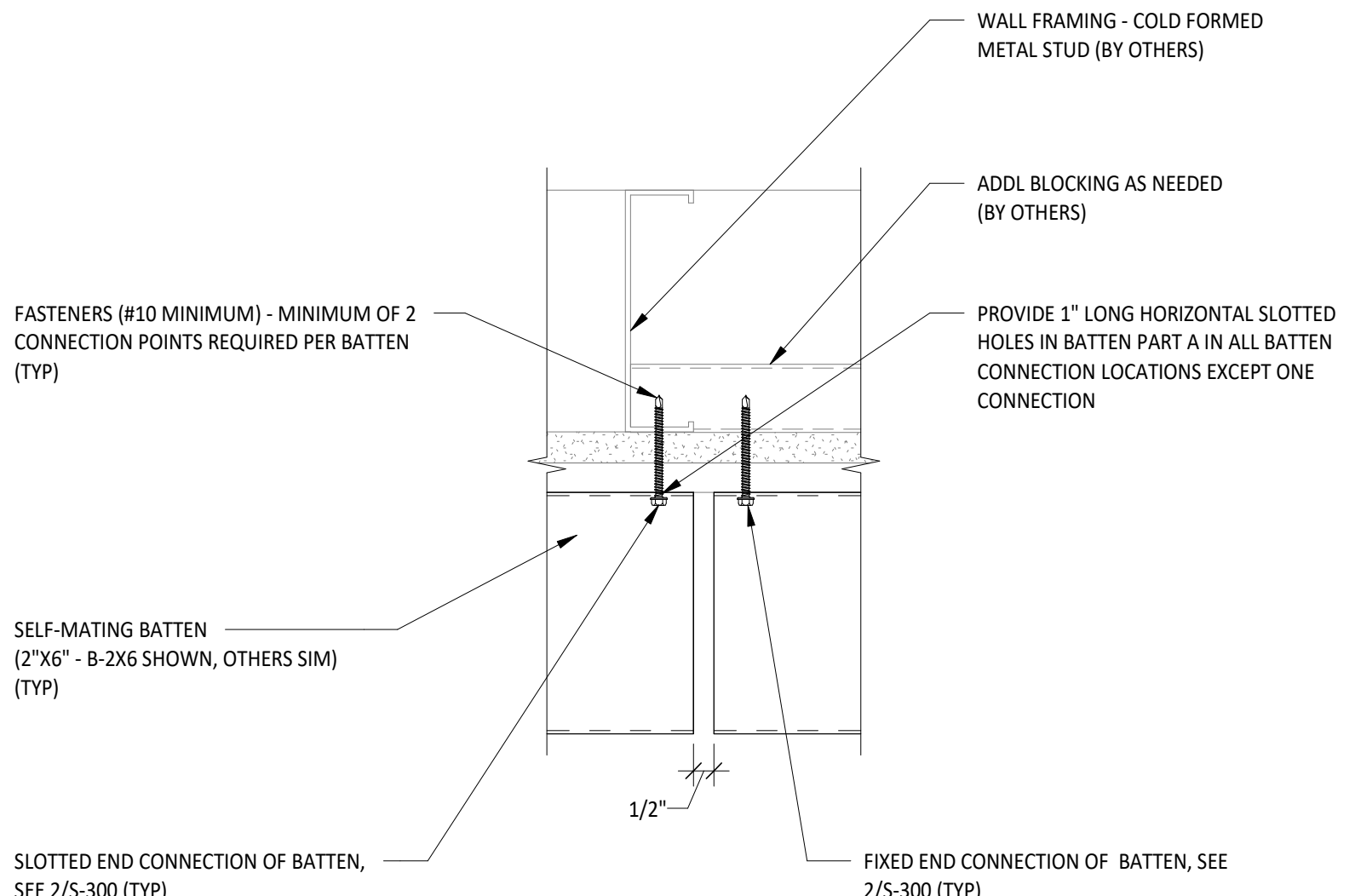
2 TYPICAL HORIZONTAL BATTEN CONNECTION TO CONCRETE/CMU PLAN VIEW
3" = 1'-0"



3 TYPICAL HORIZONTAL BATTEN CONNECTION TO STRUCTURAL STEEL PLAN VIEW
3" = 1'-0"



4 TYPICAL HORIZONTAL BATTEN CONNECTION SECTION VIEW
3" = 1'-0"



5 TYPICAL HORIZONTAL BATTEN SPLICE CONNECTION PLAN VIEW
3" = 1'-0"

PREPARED BY:



PREPARED FOR:



ISSUED FOR:

REFERENCE

ISSUED DATE:

05/02/2025

PLAN REVISIONS

NO.	DATE	DESCRIPTION

THE DESIGN CONCEPTS, IDEAS, AND ALL ASSOCIATED INFORMATION DEPICTED HEREIN IS THE SOLE PROPERTY OF PVE, LLC. THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR THE BENEFIT OF THE PERSONS NAMED ABOVE AND FOR THE PROJECT NOTED ON THIS DOCUMENT. THE REPRODUCTION, ALTERATION, USE BY ANY THIRD PARTY, OR USE FOR ANY PURPOSE OTHER THAN PROPOSED, WITHOUT WRITTEN CONSENT FROM PVE, LLC, IS PROHIBITED AND A VIOLATION OF LAW. USE OF THIS DOCUMENT IS WITH FULL RESPONSIBILITY OF ALL INHERENT ERRORS OR OMISSIONS. ELECTRONIC COPIES OF THIS DOCUMENT SHALL BE SUBJECT TO THE SAME COPYRIGHT CONDITIONS AS STATED ABOVE. ELECTRONIC MEDIA MAY CONTAIN ERRORS OR SYSTEM INCOMPATIBILITIES. PVE, LLC, IN REGARDS OF THIS DOCUMENT, MAKES NO GUARANTEE AS TO THE ACCURACY OF THE ELECTRONIC DATA OR THE GENERAL RELIABILITY OF THIS DOCUMENT.

© PVE, LLC 2023

PROJECT NAME:

PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL BATTEN DETAILS

PROJECT LOCATION:

PER PROJECT SPECIFICATIONS

DRAWING NAME:

HORIZONTAL BATTEN CONNECTION DETAILS

SEAL & SIGNATURE



PROJECT NO:

20240131

DRAWN BY:

JDM

CHECKED BY:

DSG

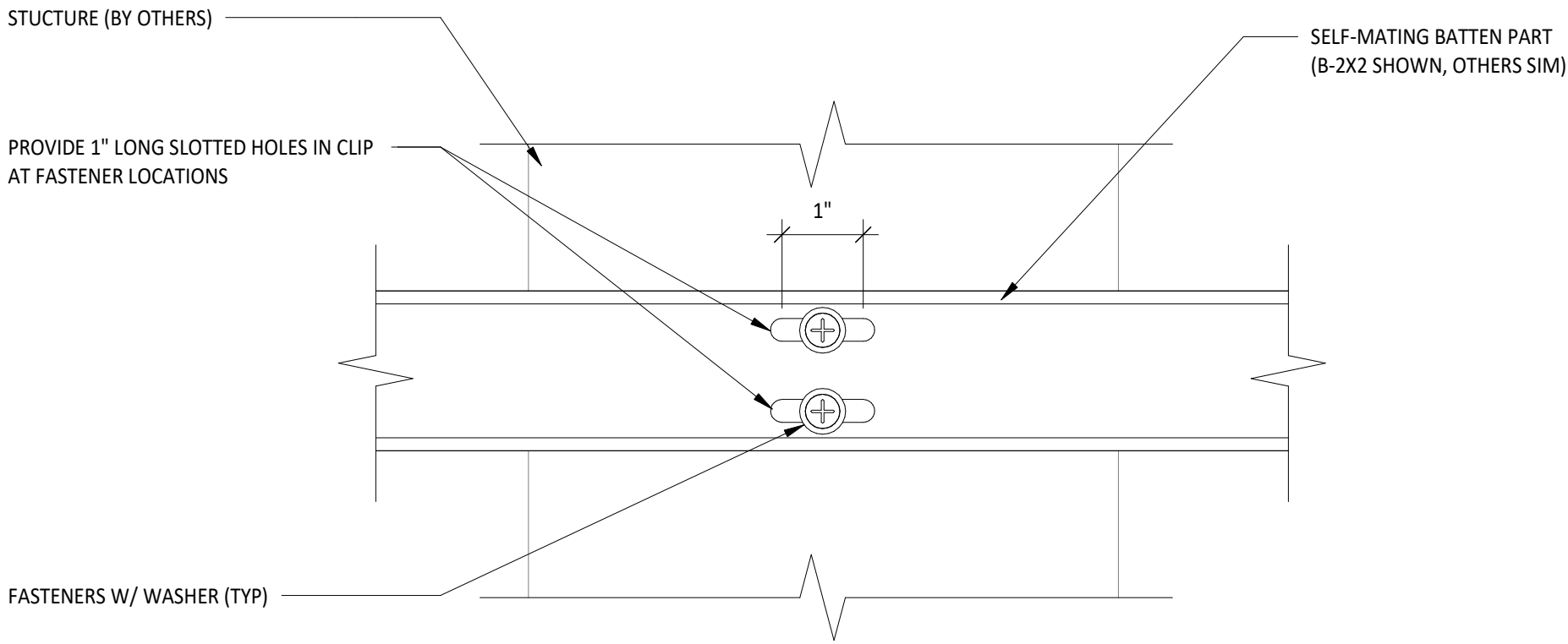
DRAWING NO:

S-201

PAGE NO:

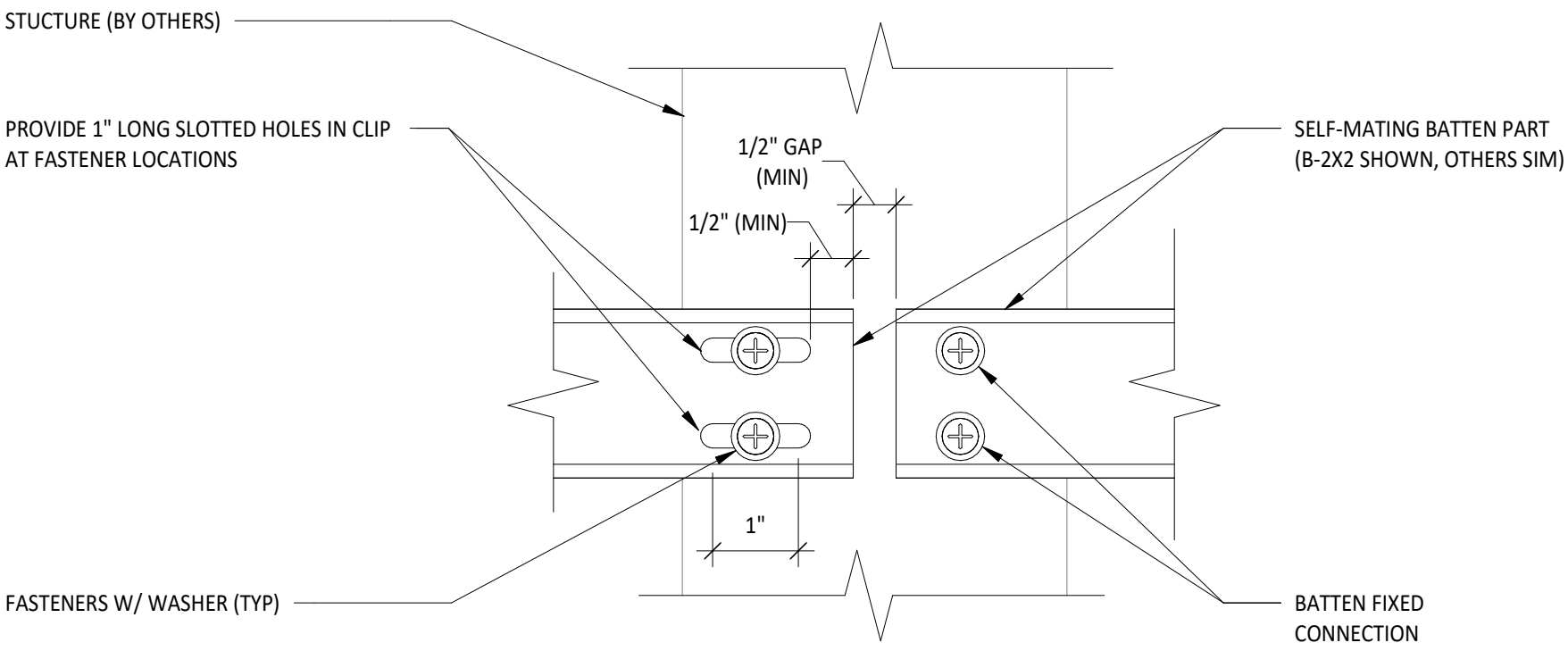
6 OF 7

NOTE:
ONLY SINGLE BATTEN PART SHOWN FOR CLARITY

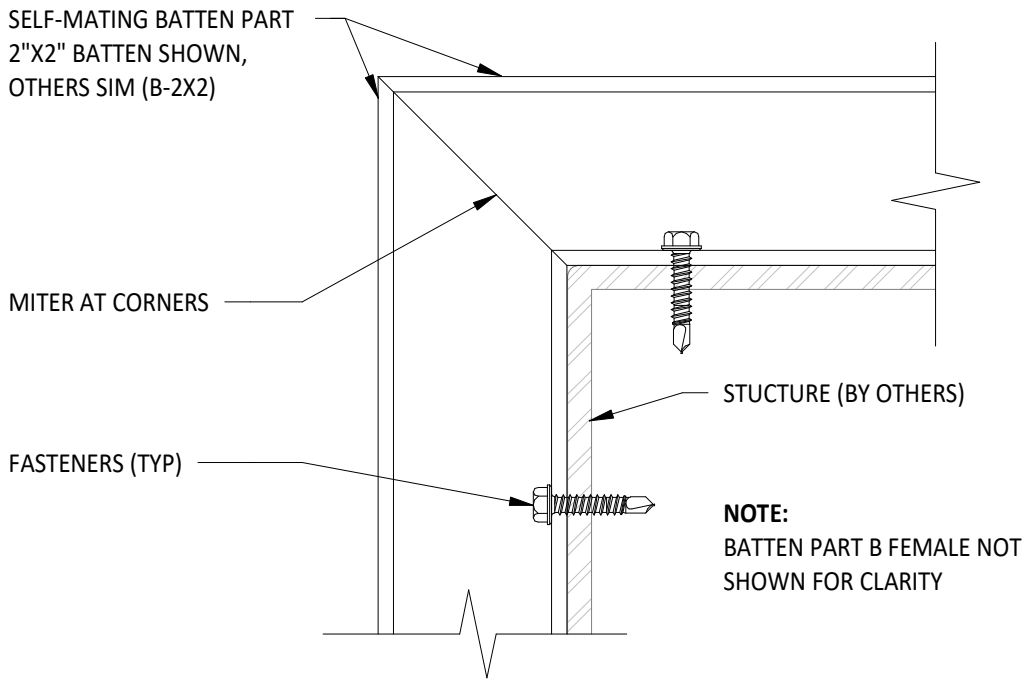


1 TYPICAL SELF-MATING BATTEN SLOTTED HOLE DETAIL
6" = 1'-0"

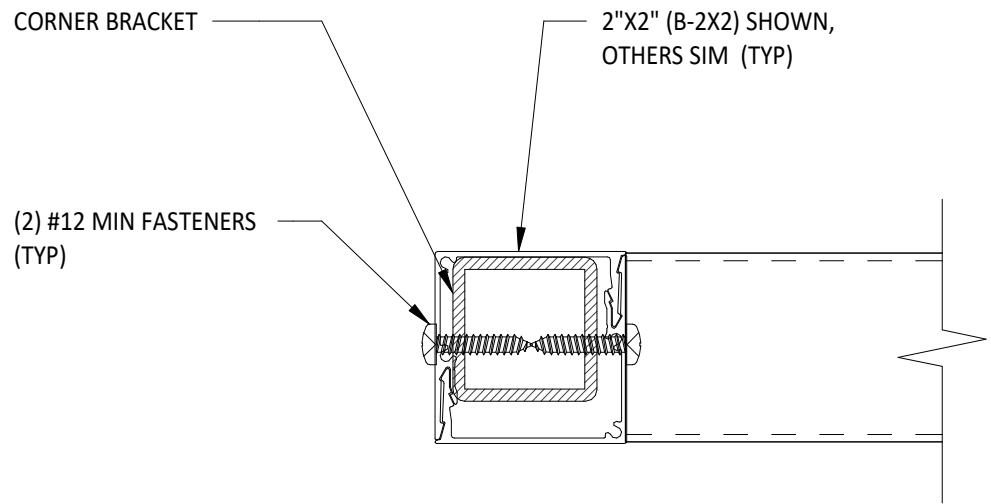
NOTE:
ONLY SINGLE BATTEN PART SHOWN FOR CLARITY



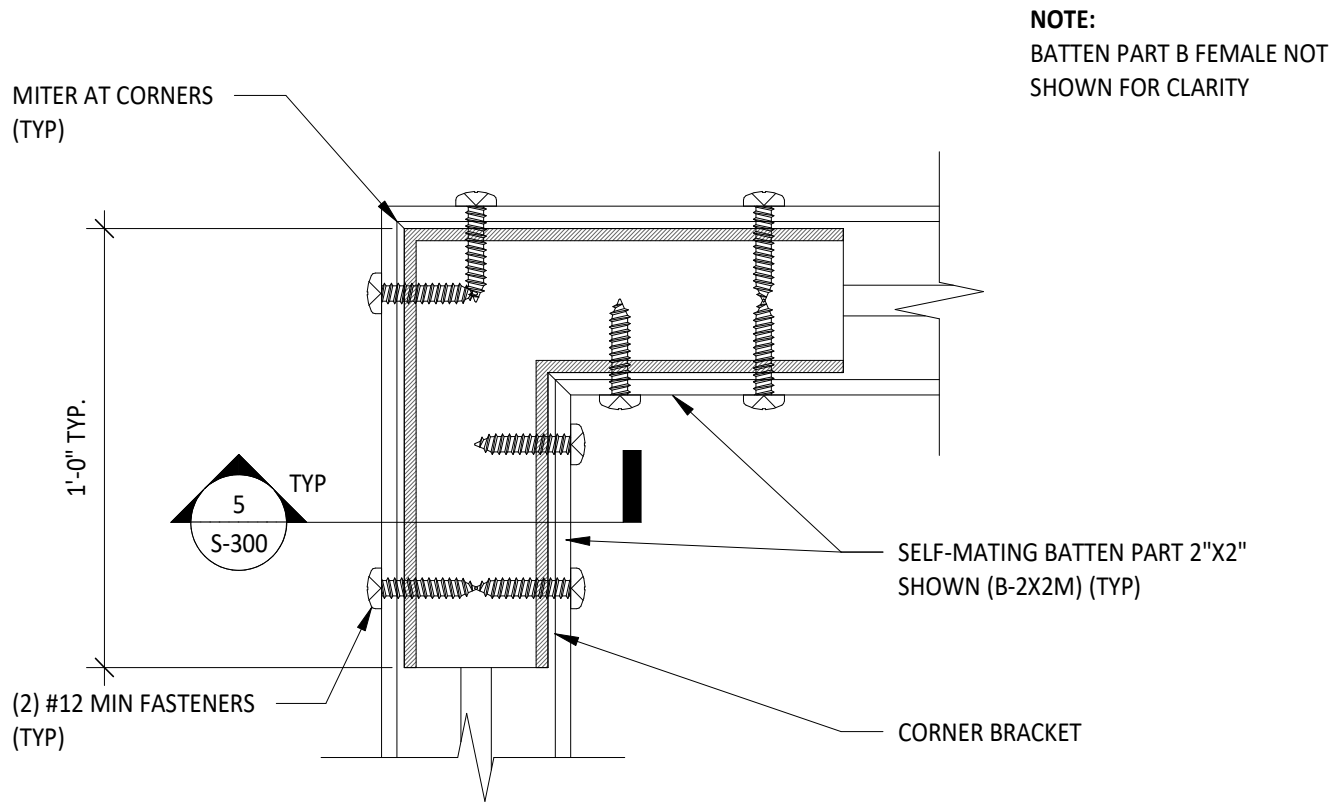
2 TYPICAL SELF-MATING BATTEN SLOTTED HOLE END CONNECTION DETAIL
6" = 1'-0"



4 TYPICAL BATTEN CORNER SPLICE DETAIL I
6" = 1'-0"



5 TYPICAL BATTEN CORNER SPLICE W/ CORNER BRACKET DETAIL I
6" = 1'-0"



6 TYPICAL BATTEN CORNER SPLICE W/ CORNER BRACKET DETAIL II
6" = 1'-0"

PREPARED BY:



PREPARED FOR:



ISSUED FOR:

REFERENCE

ISSUED DATE:

05/02/2025

PLAN REVISIONS

NO.	DATE	DESCRIPTION

THE DESIGN CONCEPTS, IDEAS, AND ALL ASSOCIATED INFORMATION DEPICTED HEREIN IS THE SOLE PROPERTY OF PVE, LLC. THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR THE BENEFIT OF THE PERSONS NAMED ABOVE AND FOR THE PROJECT NOTED ON THIS DOCUMENT. THE REPRODUCTION, ALTERATION, USE BY ANY THIRD PARTY, OR USE FOR ANY PURPOSE OTHER THAN PROPOSED, WITHOUT WRITTEN CONSENT FROM PVE, LLC, IS PROHIBITED AND A VIOLATION OF LAW. USE OF THIS DOCUMENT IS WITH FULL RESPONSIBILITY OF ALL INHERENT ERRORS OR OMISSIONS. ELECTRONIC COPIES OF THIS DOCUMENT SHALL BE SUBJECT TO THE SAME COPYRIGHT CONDITIONS AS STATED ABOVE. ELECTRONIC MEDIA MAY CONTAIN ERRORS OR SYSTEM INCOMPATIBILITIES. PVE, LLC, IN REGARDS OF THIS DOCUMENT, MAKES NO GUARANTEES AS TO THE ACCURACY OF THE ELECTRONIC DATA OR THE GENERAL AVAILABILITY OF THIS DOCUMENT.
© PVE, LLC, 2023

PROJECT NAME:

PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL BATTEN DETAILS

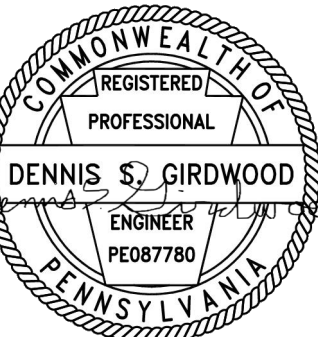
PROJECT LOCATION:

PER PROJECT SPECIFICATIONS

DRAWING NAME:

MISC BATTEN CONNECTIONS

SEAL & SIGNATURE



PROJECT NO:

20240131

DRAWN BY:

JDM

CHECKED BY:

DSG

DRAWING NO:

S-300

PAGE NO:

7 OF 7