PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL 1X 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

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PREPARED FOR:
PARALLEL ARCHITECTURAL PRODUCTS
2750 S. RARITAN STREET ENGLEWOOD, CO 80110

ISSUED FOR:
REVIEW

ISSUED DATE:
09/20/2024

PLAN REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NAME:
PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL 1X 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:

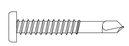
1. ALL STRUCTURAL ALUMINUM COMPONENTS SHALL BE FABRICATED AND ERECTED ACCORDING TO THE GOVERNING BUILDING CODE AND ADM-2015.
2. **MATERIAL NOTES:**
   ALL SHAPES SHALL BE ONE OF THE FOLLOWING ALUMINUM ALLOYS AND TEMPERS:

6061-T6	6063-T6	6063-T5
F_y: 35 KSI	F_y: 25 KSI	F_y: 16 KSI
F_u: 38 KSI	F_u: 30 KSI	F_u: 22 KSI
E: $10x10^3$ KSI	E: $10x10^3$ KSI	E: $10x10^3$ 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".

TYPICAL SCREW FASTENER LEGEND:

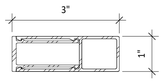
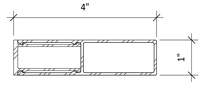
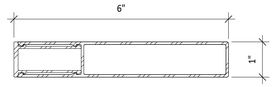
NOTE: SCREWS SHOWN BELOW ARE TYPICAL EXAMPLES AND ALL MAY NOT BE USED IN PROJECT. CONTRACTOR MAY ELECT TO USE OTHER TYPES. SCREW MATERIAL PER THE GENERAL NOTES AND MINIMUM SCREW DIAMETER PER THE DETAILS MUST BE MAINTAINED. DRILL POINT, HEAD STYLE, AND THREAD COUNT PER INCH SHALL BE SELECTED BY THE CONTRACTOR 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. 10150HWBB17CSTSBW	 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. 10200SPCGCSTS	 TRIANGLE FASTENER 1-800-486-1832
#12-11X1" GP SELF DRILLING SCREW (2/2 QUADREX DRIVE) (THIN METAL) MANUF. PART NO. 12100SPCGCSTS	 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. 126750C35E	 TRIANGLE FASTENER 1-800-486-1832

BUILDING LOADS:

1. SUPERIMPOSED DEAD LOAD AND LIVE LOADS
   a. DEAD LOAD
      1. B-1X6/B-1X2M 1.79 PLF
      2. B-1X4/B-1X2M 1.12 PLF
      3. B-1X3/B-1X2M 0.90 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

ENLARGED PART DETAILS:

B-1X2M	
B-1X3	
B-1X4	
B-1X6	

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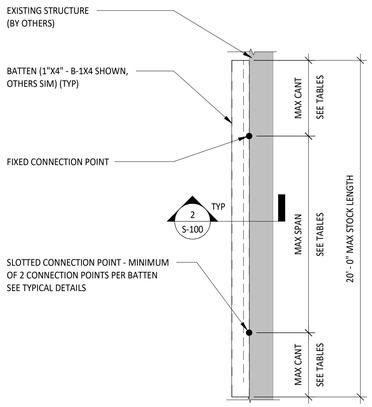
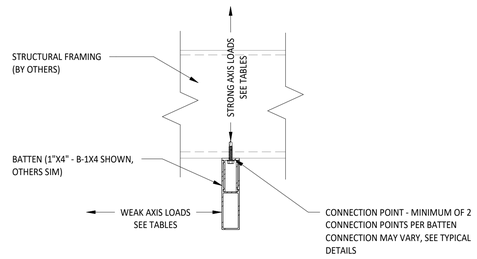


1 TYPICAL OVERALL VERTICAL BATTEN SECTION VIEW
1/2" = 1'-0"



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

1X3 (B-1X2M/B-1X3) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
3'-0"	147 PLF	221 LBS	92 PLF	138 LBS
4'-0"	83 PLF	165 LBS	52 PLF	104 LBS
5'-0"	53 PLF	132 LBS	33 PLF	83 LBS
6'-0"	36 PLF	110 LBS	23 PLF	69 LBS
7'-0"	27 PLF	94 LBS	17 PLF	59 LBS
8'-0"	20 PLF	83 LBS	13 PLF	52 LBS
9'-0"	16 PLF	73 LBS	10 PLF	46 LBS
10'-0"	13 PLF	66 LBS	8.3 PLF	41 LBS
11'-0"	11 PLF	60 LBS	6.9 PLF	37 LBS
12'-0"	9.2 PLF	55 LBS	5.8 PLF	34 LBS
13'-0"	7.9 PLF	51 LBS	4.9 PLF	32 LBS
14'-0"	6.8 PLF	47 LBS	3.9 PLF	29 LBS
15'-0"	5.9 PLF	44 LBS	3.2 PLF	27 LBS
16'-0"	5.2 PLF	41 LBS	2.6 PLF	26 LBS
17'-0"	4.6 PLF	39 LBS	-	-
18'-0"	4.1 PLF	36 LBS	-	-
19'-0"	3.7 PLF	34 LBS	-	-
20'-0"	3.3 PLF	33 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

1X3 (B-1X2M/B-1X3) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	83 PLF	83 LBS	52 PLF	52 LBS
3'-0"	36 PLF	55 LBS	23 PLF	35 LBS
4'-0"	20 PLF	41 LBS	13 PLF	26 LBS
5'-0"	13 PLF	33 LBS	8.0 PLF	21 LBS
6'-0"	9.2 PLF	27 LBS	-	-
7'-0"	6.8 PLF	23 LBS	-	-
8'-0"	-	-	-	-

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

1X4 (B-1X2M/B-1X4) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
3'-0"	248 PLF	372 LBS	120 PLF	180 LBS
4'-0"	139 PLF	279 LBS	67 PLF	135 LBS
5'-0"	89 PLF	223 LBS	43 PLF	108 LBS
6'-0"	62 PLF	186 LBS	30 PLF	90 LBS
7'-0"	45 PLF	159 LBS	22 PLF	77 LBS
8'-0"	34 PLF	139 LBS	16 PLF	67 LBS
9'-0"	27 PLF	124 LBS	13 PLF	60 LBS
10'-0"	22 PLF	111 LBS	10 PLF	54 LBS
11'-0"	18 PLF	101 LBS	9.0 PLF	49 LBS
12'-0"	15 PLF	93 LBS	7.5 PLF	45 LBS
13'-0"	13 PLF	86 LBS	6.4 PLF	41 LBS
14'-0"	11 PLF	79 LBS	5.1 PLF	38 LBS
15'-0"	9.9 PLF	74 LBS	4.2 PLF	36 LBS
16'-0"	8.7 PLF	69 LBS	3.4 PLF	33 LBS
17'-0"	7.7 PLF	65 LBS	2.9 PLF	30 LBS
18'-0"	6.9 PLF	62 LBS	2.4 PLF	27 LBS
19'-0"	6.2 PLF	58 LBS	-	-
20'-0"	5.6 PLF	55 LBS	-	-

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1X4 (B-1X2M/B-1X4) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	139 PLF	139 LBS	67 PLF	67 LBS
3'-0"	62 PLF	93 LBS	30 PLF	45 LBS
4'-0"	34 PLF	69 LBS	16 PLF	33 LBS
5'-0"	22 PLF	55 LBS	10 PLF	27 LBS
6'-0"	15 PLF	46 LBS	7.5 PLF	22 LBS
7'-0"	11 PLF	39 LBS	-	-
8'-0"	8.7 PLF	34 LBS	-	-

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
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3. MAXIMUM DEFLECTION OF L/60 FOR ALUMINUM MEMBERS PER IBC CONSIDERED

1X6 (B-1X2M/B-1X6) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
3'-0"	495 PLF	743 LBS	167 PLF	251 LBS
4'-0"	278 PLF	557 LBS	94 PLF	188 LBS
5'-0"	178 PLF	446 LBS	60 PLF	151 LBS
6'-0"	123 PLF	371 LBS	42 PLF	126 LBS
7'-0"	91 PLF	318 LBS	30 PLF	108 LBS
8'-0"	69 PLF	278 LBS	23 PLF	94 LBS
9'-0"	55 PLF	247 LBS	18 PLF	84 LBS
10'-0"	44 PLF	223 LBS	15 PLF	75 LBS
11'-0"	36 PLF	202 LBS	12 PLF	68 LBS
12'-0"	31 PLF	185 LBS	10 PLF	63 LBS
13'-0"	26 PLF	171 LBS	8.9 PLF	58 LBS
14'-0"	22 PLF	159 LBS	7.1 PLF	54 LBS
15'-0"	19 PLF	148 LBS	5.8 PLF	50 LBS
16'-0"	17 PLF	139 LBS	4.8 PLF	47 LBS
17'-0"	15 PLF	131 LBS	4.0 PLF	42 LBS
18'-0"	13 PLF	123 LBS	3.4 PLF	37 LBS
19'-0"	12 PLF	117 LBS	2.9 PLF	33 LBS
20'-0"	11 PLF	111 LBS	2.4 PLF	30 LBS

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1X6 (B-1X2M/B-1X6) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	279 PLF	279 LBS	94 PLF	94 LBS
3'-0"	124 PLF	186 LBS	42 PLF	63 LBS
4'-0"	70 PLF	139 LBS	23 PLF	47 LBS
5'-0"	45 PLF	112 LBS	15 PLF	37 LBS
6'-0"	31 PLF	93 LBS	10 PLF	31 LBS
7'-0"	23 PLF	80 LBS	7.7 PLF	27 LBS
8'-0"	17 PLF	70 LBS	5.9 PLF	23 LBS

1. CONNECTIONS SHALL BE VERIFIED BY EOR AND MAY CONTROL SPAN
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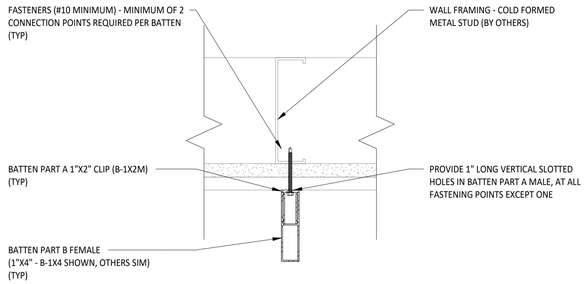
TYPICAL 1X BATTEN DETAILS

PROJECT LOCATION:
PER PROJECT SPECIFICATIONS

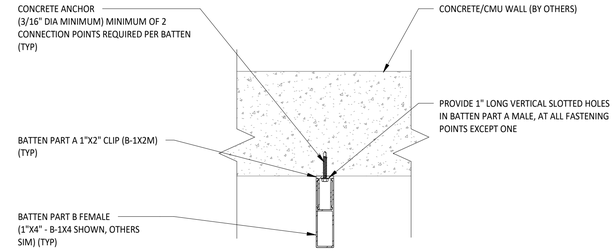
DRAWING NAME:
VERTICAL BATTEN SPAN TABLES

SEAL & SIGNATURE

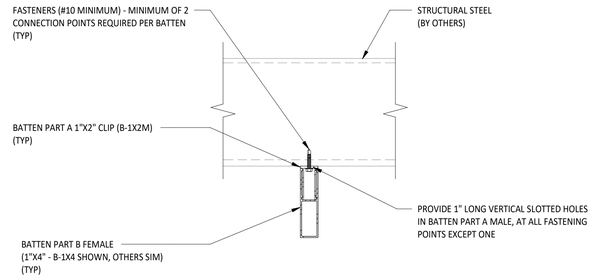
PROJECT NO: 20240131
DRAWN BY: JDM
CHECKED BY: DSG
DRAWING NO: S-100
PAGE NO: 3 OF 7



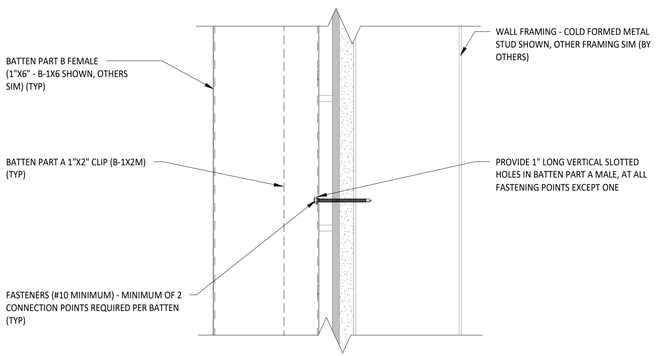
1 TYPICAL VERTICAL BATTEN CONNECTION TO LIGHT GAUGE PLAN VIEW
3" = 1'-0"



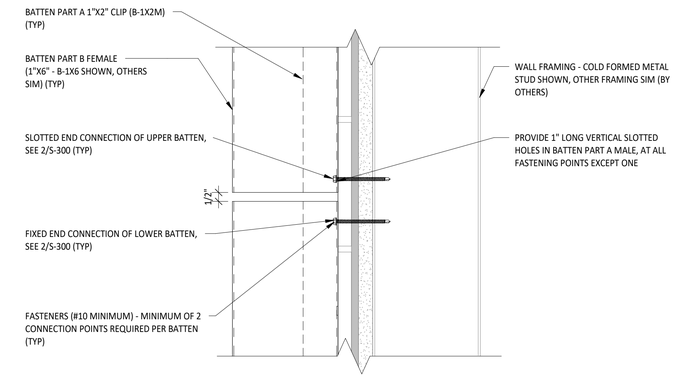
2 TYPICAL VERTICAL BATTEN CONNECTION TO CONCRETE/CMU PLAN VIEW
3" = 1'-0"



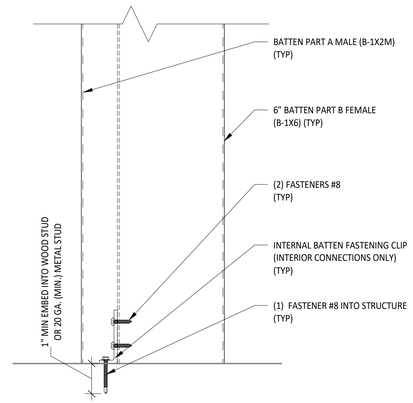
3 TYPICAL VERTICAL BATTEN CONNECTION TO STRUCTURAL STEEL PLAN VIEW
3" = 1'-0"



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



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



6 TYPICAL INTERIOR VERTICAL BATTEN END CONNECTION DETAIL
3" = 1'-0"

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ISSUED FOR:
REVIEW

ISSUED DATE:
09/20/2024

PLAN REVISIONS

NO.	DATE	DESCRIPTION

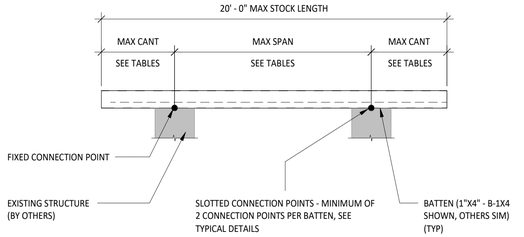
PROJECT NAME:
PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL 1X BATTEN DETAILS

PROJECT LOCATION:
PER PROJECT SPECIFICATIONS

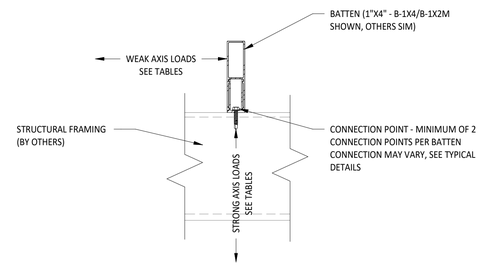
DRAWING NAME:
VERTICAL BATTEN CONNECTION DETAILS

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"

1X3 (B-1X2M/B-1X3) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
3'-0"	146 PLF	218 LBS	91 PLF	135 LBS
4'-0"	82 PLF	162 LBS	51 PLF	101 LBS
5'-0"	52 PLF	129 LBS	32 PLF	80 LBS
6'-0"	36 PLF	107 LBS	22 PLF	66 LBS
7'-0"	26 PLF	91 LBS	16 PLF	56 LBS
8'-0"	19 PLF	80 LBS	12 PLF	49 LBS
9'-0"	15 PLF	70 LBS	9.4 PLF	43 LBS
10'-0"	12 PLF	63 LBS	7.4 PLF	38 LBS
11'-0"	10 PLF	57 LBS	6.0 PLF	34 LBS
12'-0"	8.3 PLF	52 LBS	4.9 PLF	31 LBS
13'-0"	7.0 PLF	48 LBS	4.0 PLF	29 LBS
14'-0"	5.9 PLF	44 LBS	-	-
15'-0"	5.0 PLF	41 LBS	-	-
16'-0"	4.3 PLF	38 LBS	-	-
17'-0"	3.7 PLF	36 LBS	-	-
18'-0"	3.2 PLF	33 LBS	-	-
19'-0"	2.8 PLF	31 LBS	-	-
20'-0"	2.4 PLF	30 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

1X3 (B-1X2M/B-1X3) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	82 PLF	80 LBS	51 PLF	49 LBS
3'-0"	36 PLF	52 LBS	22 PLF	32 LBS
4'-0"	19 PLF	38 LBS	12 PLF	23 LBS
5'-0"	12 PLF	30 LBS	-	-
6'-0"	-	-	-	-
7'-0"	-	-	-	-
8'-0"	-	-	-	-

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

1X4 (B-1X2M/B-1X4) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
3'-0"	247 PLF	369 LBS	119 PLF	177 LBS
4'-0"	138 PLF	276 LBS	66 PLF	132 LBS
5'-0"	88 PLF	220 LBS	42 PLF	105 LBS
6'-0"	61 PLF	183 LBS	29 PLF	87 LBS
7'-0"	44 PLF	156 LBS	21 PLF	74 LBS
8'-0"	33 PLF	136 LBS	15 PLF	64 LBS
9'-0"	26 PLF	121 LBS	12 PLF	57 LBS
10'-0"	21 PLF	108 LBS	9.7 PLF	51 LBS
11'-0"	17 PLF	98 LBS	7.8 PLF	46 LBS
12'-0"	14 PLF	90 LBS	6.4 PLF	42 LBS
13'-0"	12 PLF	83 LBS	5.3 PLF	38 LBS
14'-0"	10 PLF	76 LBS	4.0 PLF	35 LBS
15'-0"	8.8 PLF	71 LBS	3.0 PLF	33 LBS
16'-0"	7.6 PLF	66 LBS	2.3 PLF	30 LBS
17'-0"	6.6 PLF	62 LBS	1.7 PLF	27 LBS
18'-0"	5.8 PLF	59 LBS	-	-
19'-0"	5.1 PLF	55 LBS	-	-
20'-0"	4.5 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

1X4 (B-1X2M/B-1X4) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	138 PLF	136 LBS	66 PLF	64 LBS
3'-0"	61 PLF	90 LBS	29 PLF	42 LBS
4'-0"	33 PLF	66 LBS	15 PLF	30 LBS
5'-0"	21 PLF	52 LBS	9.7 PLF	24 LBS
6'-0"	14 PLF	43 LBS	-	-
7'-0"	-	-	-	-
8'-0"	-	-	-	-

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

1X6 (B-1X2M/B-1X6) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
3'-0"	493 PLF	740 LBS	166 PLF	248 LBS
4'-0"	277 PLF	554 LBS	92 PLF	185 LBS
5'-0"	176 PLF	443 LBS	58 PLF	148 LBS
6'-0"	122 PLF	368 LBS	40 PLF	123 LBS
7'-0"	89 PLF	315 LBS	29 PLF	105 LBS
8'-0"	67 PLF	275 LBS	21 PLF	91 LBS
9'-0"	53 PLF	244 LBS	16 PLF	81 LBS
10'-0"	42 PLF	220 LBS	13 PLF	72 LBS
11'-0"	35 PLF	199 LBS	10 PLF	65 LBS
12'-0"	29 PLF	182 LBS	8.7 PLF	60 LBS
13'-0"	24 PLF	168 LBS	7.1 PLF	55 LBS
14'-0"	21 PLF	156 LBS	5.3 PLF	51 LBS
15'-0"	18 PLF	145 LBS	4.0 PLF	47 LBS
16'-0"	15 PLF	136 LBS	3.0 PLF	44 LBS
17'-0"	13 PLF	128 LBS	2.2 PLF	39 LBS
18'-0"	12 PLF	120 LBS	1.6 PLF	34 LBS
19'-0"	10 PLF	114 LBS	1.1 PLF	30 LBS
20'-0"	9.4 PLF	108 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

1X6 (B-1X2M/B-1X6) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	277 PLF	276 LBS	93 PLF	91 LBS
3'-0"	122 PLF	183 LBS	40 PLF	60 LBS
4'-0"	68 PLF	136 LBS	22 PLF	44 LBS
5'-0"	43 PLF	109 LBS	13 PLF	35 LBS
6'-0"	29 PLF	90 LBS	9 PLF	28 LBS
7'-0"	21 PLF	77 LBS	6 PLF	24 LBS
8'-0"	16 PLF	67 LBS	4 PLF	21 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

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ISSUED FOR:
REVIEW

ISSUED DATE:
09/20/2024

PLAN REVISIONS

NO.	DATE	DESCRIPTION

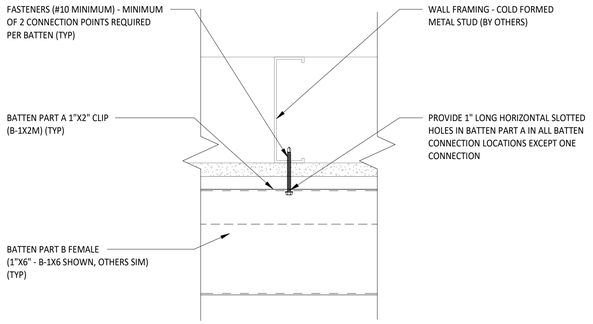
PROJECT NAME:
PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL 1X BATTEN DETAILS

PROJECT LOCATION:
PER PROJECT SPECIFICATIONS

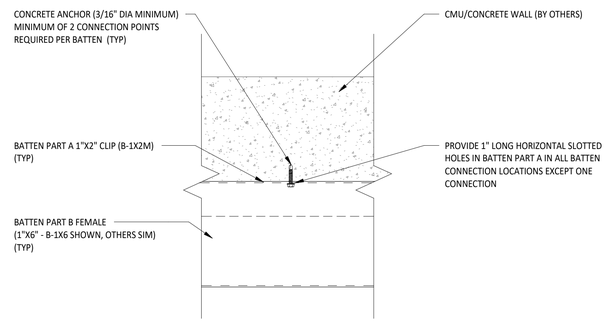
DRAWING NAME:
HORIZONTAL BATTEN SPAN TABLES

SEAL & SIGNATURE

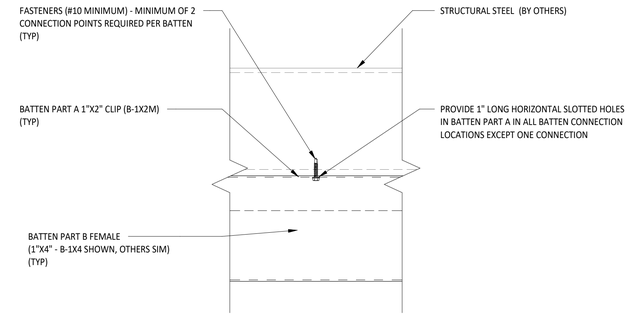
PROJECT NO: 20240131
DRAWN BY: JDM
CHECKED BY: DSG
DRAWING NO: S-200
PAGE NO: 5 OF 7



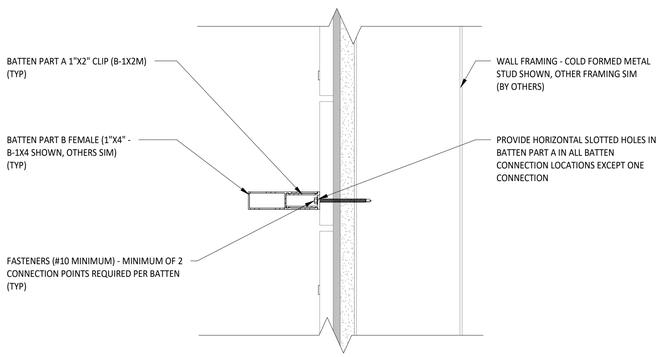
1 TYPICAL HORIZONTAL BATTEN CONNECTION TO LIGHT GAUGE PLAN VIEW
3" = 1'-0"



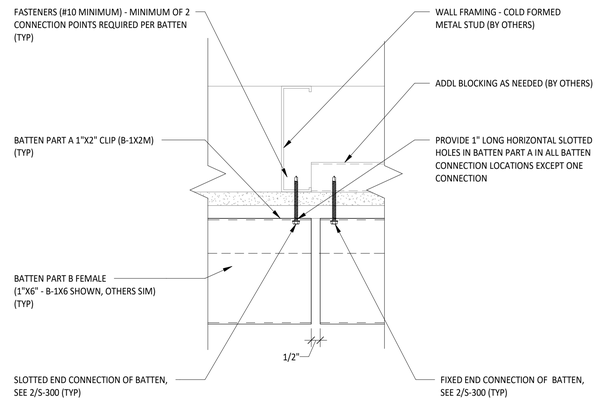
2 TYPICAL HORIZONTAL BATTEN CONNECTION TO CONCRETE/CMU PLAN VIEW
3" = 1'-0"



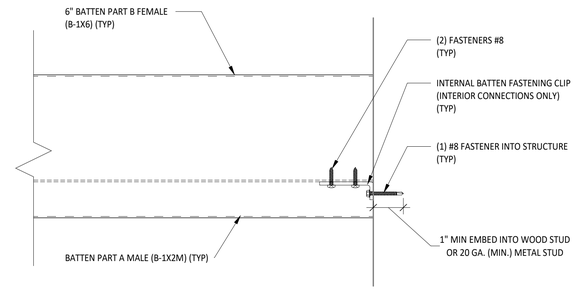
3 TYPICAL HORIZONTAL BATTEN CONNECTION TO STRUCTURAL STEEL PLAN VIEW
3" = 1'-0"



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



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



6 TYPICAL INTERIOR HORIZONTAL BATTEN END CONNECTION DETAIL
3" = 1'-0"

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PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL 1X BATTEN DETAILS

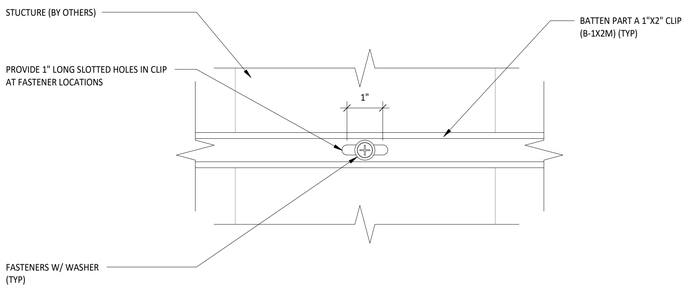
PROJECT LOCATION:
PER PROJECT SPECIFICATIONS

DRAWING NAME:
HORIZONTAL BATTEN CONNECTION DETAILS

SEAL & SIGNATURE

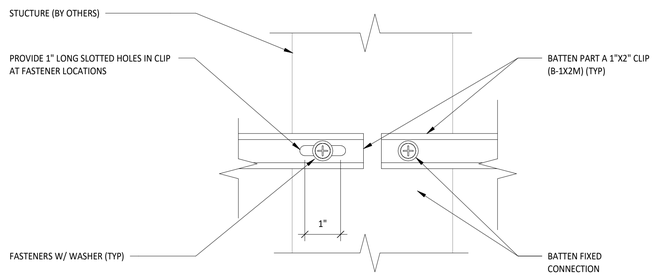
PROJECT NO: 20240131
DRAWN BY: JDM
CHECKED BY: DSG
DRAWING NO: S-201
PAGE NO: 6 OF 7

NOTE:
BATTEN PART B FEMALE NOT SHOWN FOR CLARITY

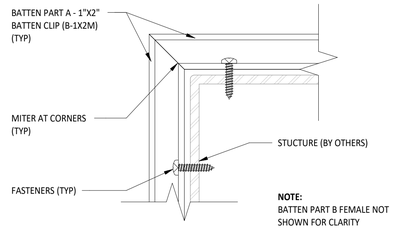


1 TYPICAL BATTEN PART A (2"X2" CLIP) SLOTTED HOLE DETAIL
6" = 1'-0"

NOTE:
BATTEN PART B FEMALE NOT SHOWN FOR CLARITY



2 TYPICAL BATTEN PART A (2"X2" CLIP) SLOTTED HOLE END CONNECTION DETAIL
6" = 1'-0"



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

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09/20/2024

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PROJECT NAME:

PARALLEL ARCHITECTURAL PRODUCTS
TYPICAL 1X 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