PROPERTY MANAGER:
PER ARCHITECT / ENGINEER

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

DRAWING LIST			LATEST REVISION	DATE
T-100	-	TITLE SHEET		
G-100	-	GENERAL NOTES		
A-100	-	VERTICAL BATTEN SPAN TABLES		
A-101	-	VERTICAL BATTEN CONNECTION DETAILS		
A-200	-	HORIZONTAL BATTEN SPAN TABLES		
A-201	-	HORIZONTAL BATTEN CONNECTION DETAILS		
A-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 FOR:
OMNIMAX INTERNATIONAL
30 TECHNOLOGY PKWY S. SUITE 400/600
PEACHTREE CORNERS, GA 30092

DATE ISSUED: 2/8/2023

PLAN REVISIONS

NO.	DATE	DESCRIPTION

SITUATED IN:
N/A

PROJECT NAME:
KNOTWOOD
GENERIC BATTENS SHOP DRAWINGS

DRAWING NAME:
TITLE SHEET

PROJECT NO: **2110314**

DRAWING NO: **T-100**

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 KNOTWOOD 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.

BUILDING LOADS:

1. SUPERIMPOSED DEAD LOAD AND LIVE LOADS
   a. DEAD LOAD
      1. 2X2 - KEB5050M/KEB5050F — 1.21 PLF
      2. 2X4 - KEB5050M/KEB10050F — 1.93 PLF
      3. 2X6 - KEB5050M/KEB15050F — 2.58 PLF
      4. 2X8 - KEB5050M/KEB20050F — 3.14 PLF

   a. LIVE LOADS
      1. DISTRIBUTED LOAD — SEE SPAN TABLES
      2. CONCENTRATED LOAD — SEE SPAN TABLES

1. SNOW LOADS
   a. SEE SPAN TABLES FOR MAX DISTRIBUTED LOADS

2. WIND
   a. SEE SPAN TABLES FOR MAX DISTRIBUTED LOADS

1. SEISMIC
   a. SEE SPAN TABLES FOR MAX DISTRIBUTED LOADS

CODES AND STANDARDS:

1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATIONS REFFERENCED WITHIN, APPLY TO THE DESIGN AND CONSTRUCTION OF THIS PROJECT WITH LATEST EDITION PER GOVERNING BUILDING CODE TO BE USED:
   a. ASCE 7-16, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"
   b. IBC 2018, "INTERNATIONAL BUILDING CODE"
   c. AA ADM-2015 "ALUMINUM DESIGN MANUAL"
   d. ACI 318-14. "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
   e. 7TH EDITION - 2020 FLORIDA BUILDING CODE

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
F_y: 35 KSI	F_y: 25 KSI
F_u: 38 KSI	F_u: 30 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 TELL, 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”.

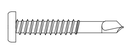
14. THE SPACING BETWEEN SCREW CENTERS SHALL NOT BE LESS THAN 2.5 TIMES THE NOMINAL DIAMETER OF THE SCREWS.

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.

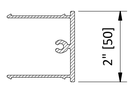
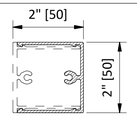
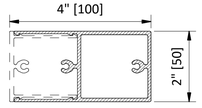
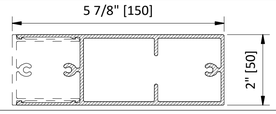
16. WASHERS SHALL HAVE A NOMINAL DIAMETER NOT LESS THAN 5/16” AND SHALL HAVE A NOMINAL THICKNESS NOT LESS THAN 0.050”.

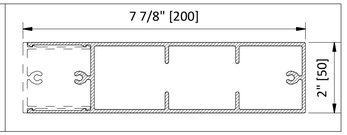
TYPICAL SCREW FASTENER LEGEND:

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
3/16"x1-3/4" ULTRACON+ SELF DRILLING SCREW (1/4" HEX-HEAD) (METAL TO CMU) MANUF. PART NO. DFM12702	 DEWALT, ELCO, & POWERS 1-800-524-3244
#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

ENLARGED PART DETAILS (UNITS IN BRACKETS ARE MM):

KEB5050M	
KEB5050F	
KEB10050F	
KEB15050F	

KEB20050F	

PREPARED FOR:
OMNIMAX INTERNATIONAL
30 TECHNOLOGY PKWY S. SUITE 400/600
PEACHTREE CORNERS, GA 30092

DATE ISSUED: 2/8/2023

PLAN REVISIONS

NO.	DATE	DESCRIPTION

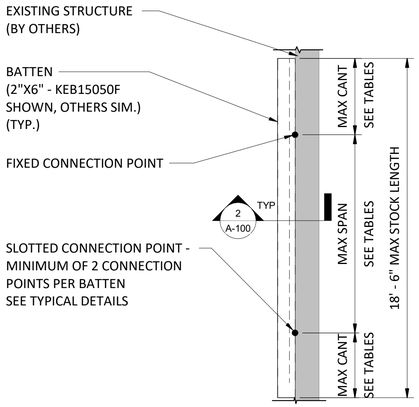
SITUATED IN:
N/A

PROJECT NAME:
KNOTWOOD®
GENERIC BATTENS SHOP DRAWINGS

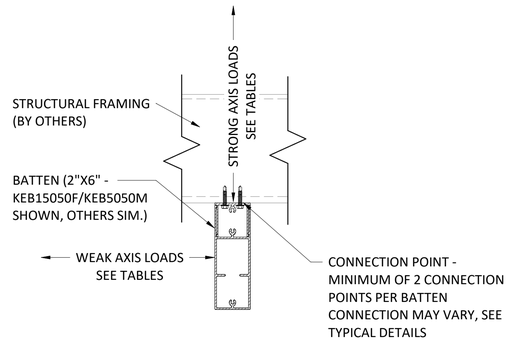
DRAWING NAME:
GENERAL NOTES

PROJECT NO: **2110314**

DRAWING NO: **G-100**



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



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

2X2 (KEB5050M/KEB5050F) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	82 PLF	330 LBS	80 PLF	325 LBS
9'-0"	63 PLF	295 LBS	63 PLF	290 LBS
10'-0"	46 PLF	265 LBS	46 PLF	260 LBS
11'-0"	34 PLF	235 LBS	34 PLF	235 LBS
12'-0"	26 PLF	200 LBS	26 PLF	200 LBS
13'-0"	21 PLF	170 LBS	21 PLF	170 LBS
14'-0"	16 PLF	145 LBS	16 PLF	145 LBS
15'-0"	13 PLF	125 LBS	13 PLF	125 LBS
16'-0"	11 PLF	110 LBS	11 PLF	110 LBS
17'-0"	9 PLF	100 LBS	9 PLF	100 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

2X2 (KEB5050M/KEB5050F) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	330 PLF	330 LBS	325 PLF	325 LBS
3'-0"	147 PLF	220 LBS	145 PLF	215 LBS
4'-0"	82 PLF	165 LBS	81 PLF	160 LBS
5'-0"	53 PLF	130 LBS	52 PLF	130 LBS
6'-0"	36 PLF	100 LBS	36 PLF	100 LBS
7'-0"	27 PLF	70 LBS	26 PLF	70 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 (KEB5050M/KEB10050F) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	198 PLF	790 LBS	147 PLF	585 LBS
9'-0"	156 PLF	705 LBS	112 PLF	520 LBS
10'-0"	126 PLF	635 LBS	82 PLF	470 LBS
11'-0"	104 PLF	575 LBS	61 PLF	420 LBS
12'-0"	88 PLF	525 LBS	47 PLF	355 LBS
13'-0"	75 PLF	485 LBS	37 PLF	300 LBS
14'-0"	64 PLF	450 LBS	29 PLF	260 LBS
15'-0"	56 PLF	420 LBS	24 PLF	225 LBS
16'-0"	49 PLF	395 LBS	20 PLF	200 LBS
17'-0"	43 PLF	370 LBS	16 PLF	175 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 (KEB5050M/KEB10050F) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	793 PLF	790 LBS	587 PLF	585 LBS
3'-0"	352 PLF	525 LBS	261 PLF	290 LBS
4'-0"	198 PLF	395 LBS	147 PLF	400 LBS
5'-0"	126 PLF	315 LBS	94 PLF	255 LBS
6'-0"	88 PLF	260 LBS	65 PLF	175 LBS
7'-0"	64 PLF	225 LBS	48 PLF	130 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 (KEB5050M/KEB15050F) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	420 PLF	1680 LBS	208 PLF	830 LBS
9'-0"	332 PLF	1495 LBS	159 PLF	740 LBS
10'-0"	269 PLF	1345 LBS	116 PLF	665 LBS
11'-0"	222 PLF	1220 LBS	87 PLF	595 LBS
12'-0"	187 PLF	1120 LBS	67 PLF	500 LBS
13'-0"	159 PLF	1035 LBS	52 PLF	425 LBS
14'-0"	137 PLF	960 LBS	42 PLF	370 LBS
15'-0"	119 PLF	895 LBS	34 PLF	320 LBS
16'-0"	105 PLF	840 LBS	28 PLF	280 LBS
17'-0"	93 PLF	790 LBS	23 PLF	250 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 (KEB5050M/KEB15050F) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	1682 PLF	1680 LBS	832 PLF	830 LBS
3'-0"	747 PLF	1120 LBS	369 PLF	555 LBS
4'-0"	420 PLF	840 LBS	208 PLF	415 LBS
5'-0"	269 PLF	670 LBS	133 PLF	330 LBS
6'-0"	187 PLF	560 LBS	92 PLF	275 LBS
7'-0"	137 PLF	480 LBS	67 PLF	235 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 (KEB5050M/KEB20050F) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	654 PLF	2615 LBS	269 PLF	1075 LBS
9'-0"	517 PLF	2325 LBS	206 PLF	955 LBS
10'-0"	418 PLF	2090 LBS	150 PLF	860 LBS
11'-0"	346 PLF	1900 LBS	113 PLF	775 LBS
12'-0"	290 PLF	1745 LBS	87 PLF	650 LBS
13'-0"	247 PLF	1610 LBS	68 PLF	555 LBS
14'-0"	213 PLF	1495 LBS	54 PLF	475 LBS
15'-0"	186 PLF	1395 LBS	44 PLF	415 LBS
16'-0"	163 PLF	1305 LBS	36 PLF	365 LBS
17'-0"	144 PLF	1230 LBS	30 PLF	325 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 (KEB5050M/KEB20050F) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	2618 PLF	2615 LBS	1077 PLF	1075 LBS
3'-0"	1163 PLF	1745 LBS	478 PLF	715 LBS
4'-0"	654 PLF	1305 LBS	269 PLF	535 LBS
5'-0"	418 PLF	1045 LBS	172 PLF	465 LBS
6'-0"	290 PLF	870 LBS	119 PLF	325 LBS
7'-0"	213 PLF	745 LBS	88 PLF	235 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

GENERAL NOTES:

PREPARED FOR:
OMNIMAX INTERNATIONAL
30 TECHNOLOGY PKWY S. SUITE 400/600
PEACHTREE CORNERS, GA 30092

DATE ISSUED: 2/8/2023

PLAN REVISIONS

NO.	DATE	DESCRIPTION

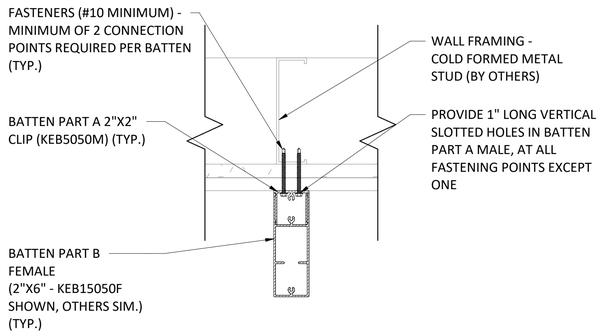
SITUATED IN:
N/A

PROJECT NAME:
KNOTWOOD®
GENERIC BATTENS SHOP DRAWINGS

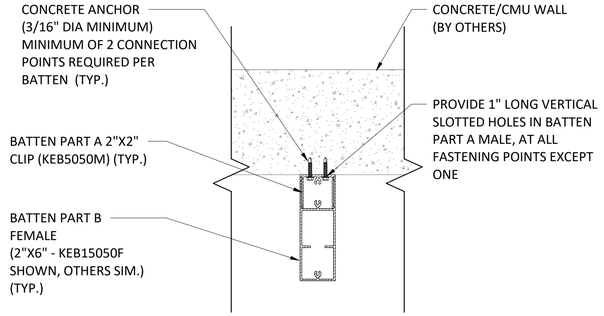
DRAWING NAME:
VERTICAL BATTEN SPAN TABLES

PROJECT NO: **2110314**

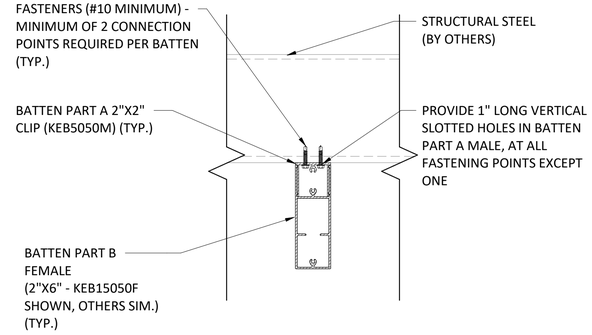
DRAWING NO: **A-100**



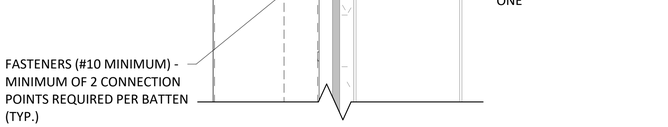
1 TYPICAL VERTICAL BATTEN CONNECTION TO LIGHT GAUGE PLAN VIEW
3" = 1'-0"



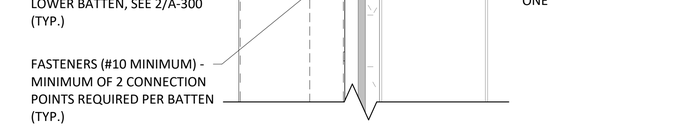
2 TYPICAL VERTICAL BATTEN CONNECTION TO CONCRETE/CMU PLAN VIEW
3" = 1'-0"



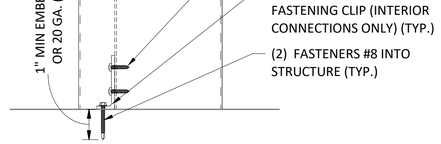
3 TYPICAL VERTICAL BATTEN CONNECTION TO STRUCTURAL STEEL PLAN VIEW
3" = 1'-0"



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"

GENERAL NOTES:

PREPARED FOR:
OMNIMAX INTERNATIONAL
30 TECHNOLOGY PKWY S. SUITE 400/600
PEACHTREE CORNERS, GA 30092

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PLAN REVISIONS

NO.	DATE	DESCRIPTION

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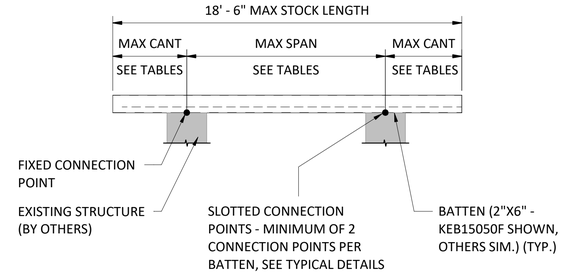
PROJECT NAME:
KNOTWOOD®
GENERIC BATTENS SHOP DRAWINGS

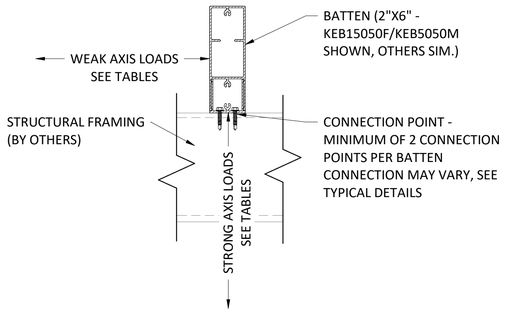
DRAWING NAME:
VERTICAL BATTEN CONNECTION DETAILS

PROJECT NO: **2110314**

DRAWING NO: **A-101**



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



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

2X2 (KEB5050M/KEB5050F) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	80 PLF	325 LBS	80 PLF	325 LBS
9'-0"	63 PLF	285 LBS	63 PLF	290 LBS
10'-0"	46 PLF	255 LBS	46 PLF	260 LBS
11'-0"	34 PLF	230 LBS	34 PLF	235 LBS
12'-0"	26 PLF	200 LBS	26 PLF	200 LBS
13'-0"	21 PLF	170 LBS	21 PLF	170 LBS
14'-0"	16 PLF	145 LBS	16 PLF	145 LBS
15'-0"	13 PLF	125 LBS	13 PLF	125 LBS
16'-0"	11 PLF	110 LBS	11 PLF	110 LBS
17'-0"	9 PLF	100 LBS	9 PLF	100 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

2X2 (KEB5050M/KEB5050F) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	330 PLF	330 LBS	325 PLF	325 LBS
3'-0"	146 PLF	215 LBS	143 PLF	215 LBS
4'-0"	81 PLF	160 LBS	80 PLF	160 LBS
5'-0"	51 PLF	130 LBS	51 PLF	130 LBS
6'-0"	35 PLF	100 LBS	35 PLF	100 LBS
7'-0"	25 PLF	70 LBS	25 PLF	70 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 (KEB5050M/KEB10050F) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	196 PLF	785 LBS	145 PLF	580 LBS
9'-0"	154 PLF	695 LBS	112 PLF	515 LBS
10'-0"	125 PLF	625 LBS	82 PLF	460 LBS
11'-0"	103 PLF	565 LBS	61 PLF	420 LBS
12'-0"	86 PLF	515 LBS	47 PLF	355 LBS
13'-0"	73 PLF	475 LBS	37 PLF	300 LBS
14'-0"	62 PLF	445 LBS	29 PLF	260 LBS
15'-0"	54 PLF	405 LBS	24 PLF	225 LBS
16'-0"	47 PLF	380 LBS	20 PLF	200 LBS
17'-0"	42 PLF	355 LBS	16 PLF	175 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 (KEB5050M/KEB10050F) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	791 PLF	790 LBS	585 PLF	585 LBS
3'-0"	350 PLF	525 LBS	259 PLF	385 LBS
4'-0"	196 PLF	390 LBS	145 PLF	290 LBS
5'-0"	125 PLF	310 LBS	92 PLF	230 LBS
6'-0"	86 PLF	255 LBS	63 PLF	175 LBS
7'-0"	62 PLF	220 LBS	46 PLF	130 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 (KEB5050M/KEB15050F) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	418 PLF	1670 LBS	205 PLF	820 LBS
9'-0"	329 PLF	1480 LBS	159 PLF	730 LBS
10'-0"	266 PLF	1330 LBS	116 PLF	655 LBS
11'-0"	219 PLF	1210 LBS	87 PLF	595 LBS
12'-0"	184 PLF	1105 LBS	67 PLF	500 LBS
13'-0"	156 PLF	1015 LBS	52 PLF	425 LBS
14'-0"	134 PLF	955 LBS	42 PLF	370 LBS
15'-0"	117 PLF	875 LBS	34 PLF	320 LBS
16'-0"	102 PLF	820 LBS	28 PLF	280 LBS
17'-0"	90 PLF	770 LBS	23 PLF	250 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 (KEB5050M/KEB15050F) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	1680 PLF	1680 LBS	829 PLF	825 LBS
3'-0"	745 PLF	1115 LBS	367 PLF	550 LBS
4'-0"	418 PLF	835 LBS	205 PLF	410 LBS
5'-0"	266 PLF	665 LBS	130 PLF	325 LBS
6'-0"	184 PLF	550 LBS	89 PLF	270 LBS
7'-0"	134 PLF	470 LBS	65 PLF	225 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 (KEB5050M/KEB20050F) SIMPLY SUPPORTED BATTEN SPAN TABLE[123]

MAX SPAN	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
8'-0"	651 PLF	2605 LBS	266 PLF	1065 LBS
9'-0"	514 PLF	2310 LBS	206 PLF	945 LBS
10'-0"	415 PLF	2075 LBS	150 PLF	850 LBS
11'-0"	343 PLF	1885 LBS	113 PLF	775 LBS
12'-0"	287 PLF	1725 LBS	87 PLF	650 LBS
13'-0"	244 PLF	1590 LBS	68 PLF	555 LBS
14'-0"	210 PLF	1485 LBS	54 PLF	475 LBS
15'-0"	183 PLF	1370 LBS	44 PLF	415 LBS
16'-0"	160 PLF	1280 LBS	36 PLF	365 LBS
17'-0"	141 PLF	1205 LBS	30 PLF	325 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 (KEB5050M/KEB20050F) CANTILEVERED BATTEN SPAN TABLE[123]

MAX CANTILEVER LENGTH	MAX STRONG AXIS LOADS[2]		MAX WEAK AXIS LOAD[2]	
	DISTRIBUTED	POINT	DISTRIBUTED	POINT
2'-0"	2615 PLF	2615 LBS	1074 PLF	1070 LBS
3'-0"	1160 PLF	1740 LBS	475 PLF	710 LBS
4'-0"	651 PLF	1300 LBS	266 PLF	530 LBS
5'-0"	415 PLF	1035 LBS	169 PLF	465 LBS
6'-0"	287 PLF	860 LBS	116 PLF	325 LBS
7'-0"	210 PLF	735 LBS	84 PLF	235 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

GENERAL NOTES:

PREPARED FOR:
OMNIMAX INTERNATIONAL
30 TECHNOLOGY PKWY S. SUITE 400/600
PEACHTREE CORNERS, GA 30092

DATE ISSUED: 2/8/2023

PLAN REVISIONS

NO.	DATE	DESCRIPTION

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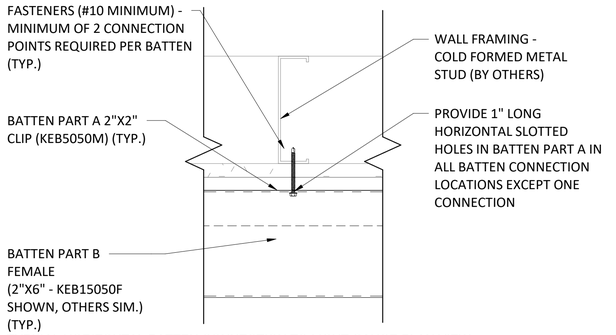
PROJECT NAME:
KNOTWOOD®
GENERIC BATTENS SHOP DRAWINGS

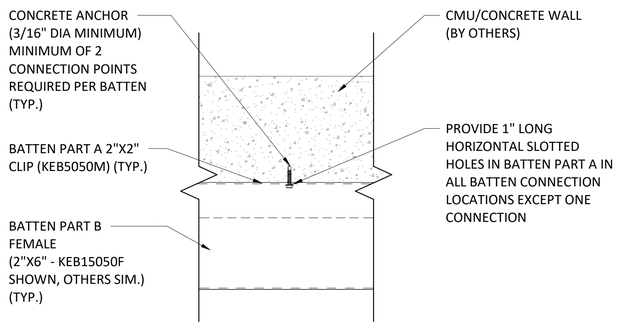
DRAWING NAME:
HORIZONTAL BATTEN SPAN TABLES

PROJECT NO: **2110314**

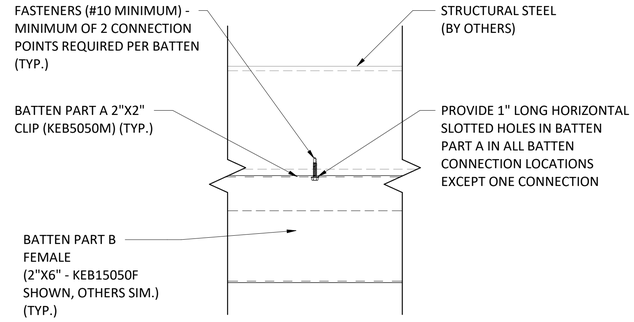
DRAWING NO: **A-200**



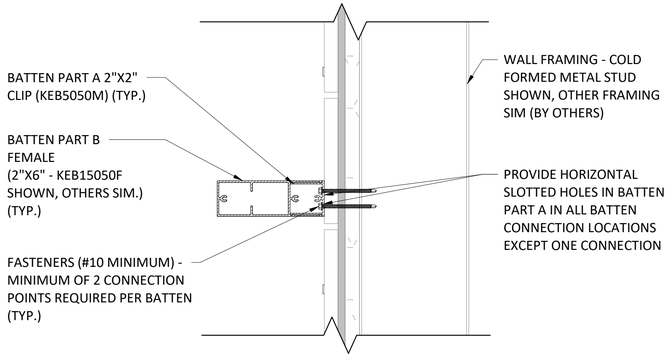
1 TYPICAL HORIZONTAL BATTEN CONNECTION TO LIGHT GAUGE PLAN VIEW
3" = 1'-0"



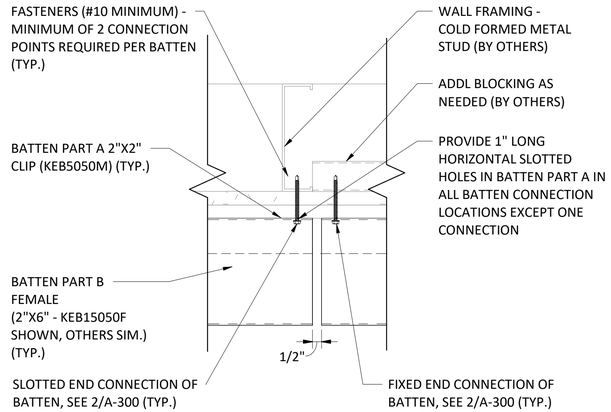
2 TYPICAL HORIZONTAL BATTEN CONNECTION TO CONCRETE/CMU PLAN VIEW
3" = 1'-0"



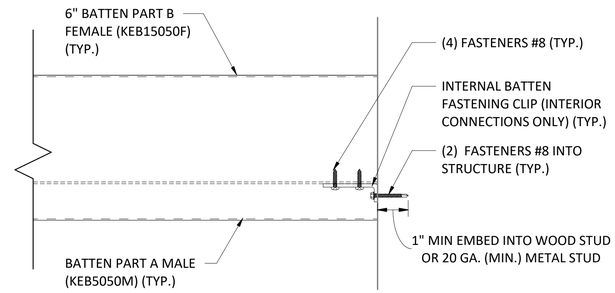
3 TYPICAL HORIZONTAL BATTEN CONNECTION TO STRUCTURAL STEEL PLAN VIEW
3" = 1'-0"



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"

GENERAL NOTES:

PREPARED FOR:
OMNIMAX INTERNATIONAL
30 TECHNOLOGY PKWY S. SUITE 400/600
PEACHTREE CORNERS, GA 30092

DATE ISSUED: 2/8/2023

PLAN REVISIONS

NO.	DATE	DESCRIPTION

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N/A

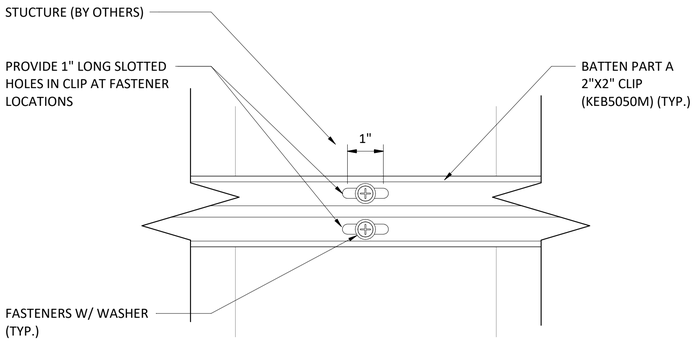
PROJECT NAME:
KNOTWOOD®
GENERIC BATTENS SHOP DRAWINGS

DRAWING NAME:
HORIZONTAL BATTEN CONNECTION DETAILS

PROJECT NO: **2110314**

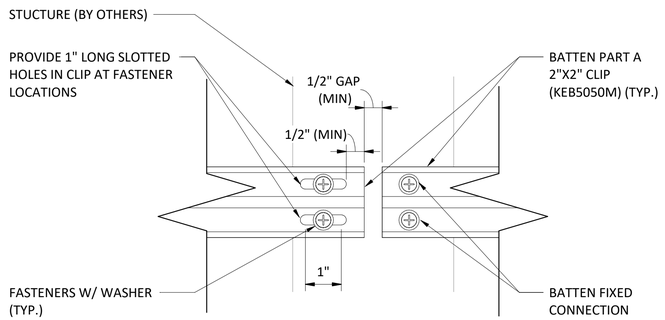
DRAWING NO: **A-201**

NOTE:
BATTEN PART B FEMALE NOT SHOWN FOR CLARITY

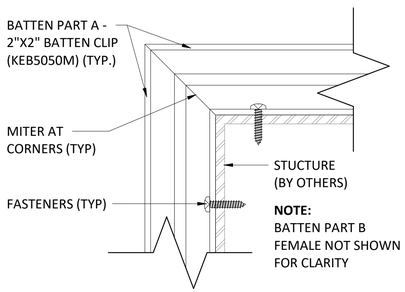


1 TYPICAL BATTEN PART A (2"X2" CLIP) SLOTTED HOLE DETAIL
6" = 1'-0"

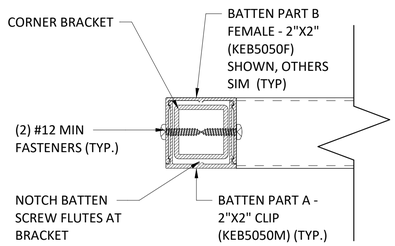
NOTE:
BATTEN PART B FEMALE NOT SHOWN FOR CLARITY



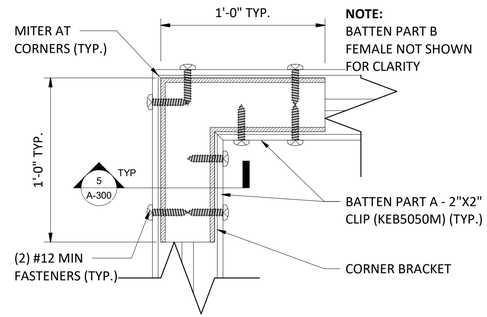
2 TYPICAL BATTEN PART A (2"X2" CLIP) SLOTTED HOLE END CONNECTION DETAIL
6" = 1'-0"



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



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"

GENERAL NOTES:

PREPARED FOR:
OMNIMAX INTERNATIONAL
30 TECHNOLOGY PKWY S. SUITE 400/600
PEACHTREE CORNERS, GA 30092

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PLAN REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT NAME:
KNOTWOOD
GENERIC BATTENS SHOP DRAWINGS

DRAWING NAME:
MISC BATTEN CONNECTIONS

PROJECT NO: **2110314**

DRAWING NO: **A-300**