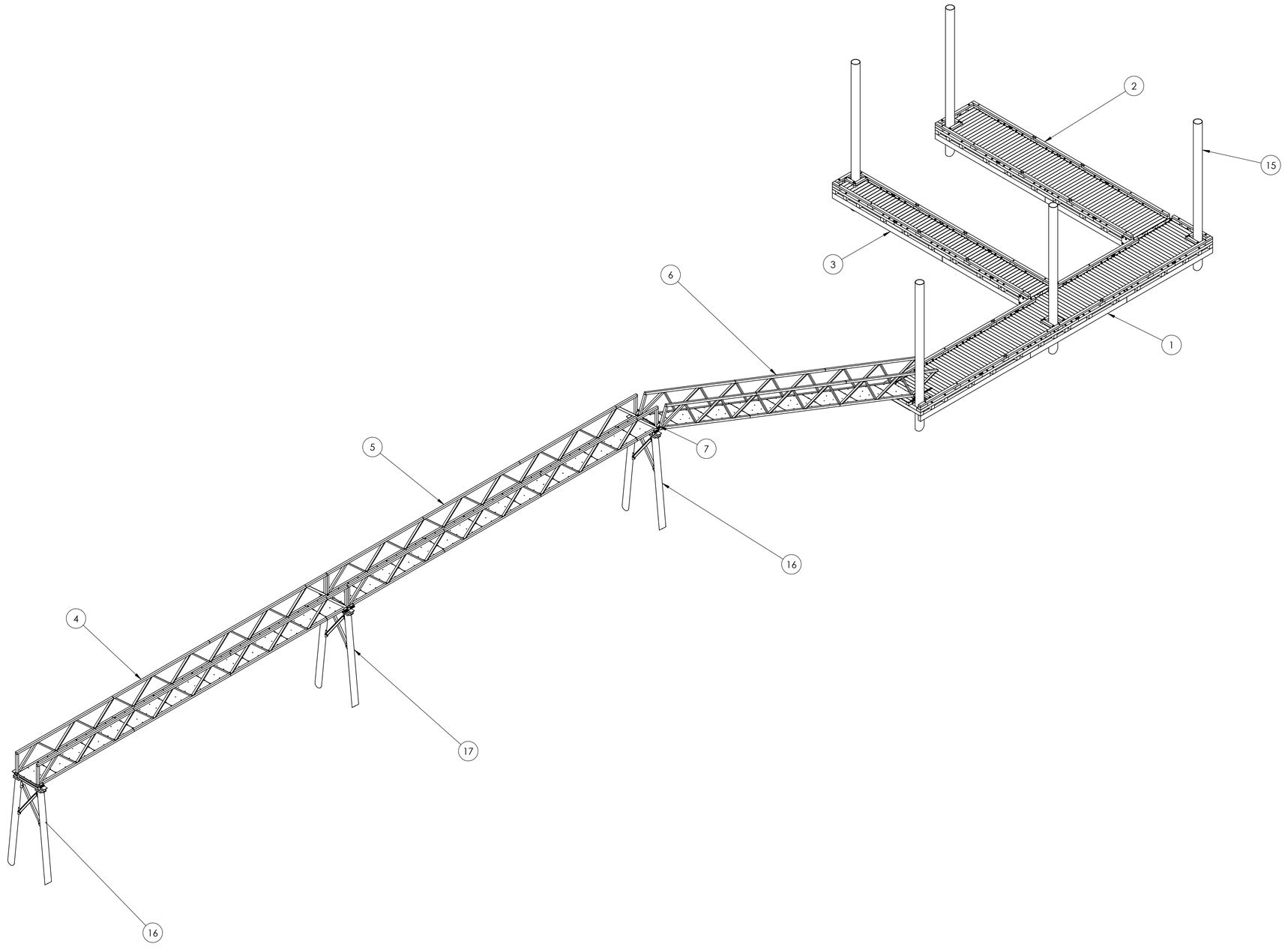

ITEM NO.	DESCRIPTION	QTY.
1	8ft x 60ft Main Float	1
2	8ft x 40ft Float Finger	1
3	5ft x 40ft Float Finger	1
4	5ft x 64ft Aluminum Approach D0	1
5	5ft x 64ft Aluminum Approach D772	1
6	5ft x 64ft Aluminum Gangway	1
7	Chain	2
8	1 1/2"-6 Cap Screw 6in	4
9	1 1/2" Flat Washer	8
10	1 1/2"-6 Hex Lock Nut	4
11	7.5 x 8.5 x 0.5in UHMW	8
12	3/4" Flat Washer 0.188in 2.5OD	32
13	3/4"-10 Hex Lock Nut	16
14	3/4"-10 Cap Screw 3.5in	16
15	16 x 0.5in Mooring Pile	5
16	Approach Support Single	2
17	Approach Support Double	1

NOTES:
1. APPROACH SUPPORT PILES SHALL BE 323.9mm OD x 12.7 mm WALL STEEL PIPE PILES CONFORMING TO THE REQUIREMENTS OF ASTM A252 GRADE 3
2. MOORING PILES FOR FLOAT NETWORK SHALL BE 406.4mm OD X 12.7 mm WALL STEEL PIPE PILES CONFORMING TO THE REQUIREMENTS OF ASTM A252 GRADE 3. CUT-OFF ELEVATION FOR MOORING PILES TO BE 7.0 m RELATIVE TO CHART DATUM
3. TOP OF MOORING PILES SHALL BE FITTED WITH 6mm STEEL PLATE CLOSURE CUT TO MATCH DIAMETER OF PILE. SECURE PLATE TO PILE WITH 6mm FILLET WELD AROUND ENTIRE PERIMETER OF PILE.
3. ALL PILES SHALL BE DRIVEN TO A PENETRATION OF AT LEAST 10.0m INTO SOIL OR TO REFUSAL.

KLA Engineering Ltd.
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102 - 22441 Dewdney Trunk Road
Maple Ridge, BC V2X 1P7

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REV.	DESCRIPTION	DATE
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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE: Dollarton Estates

TITLE: Dollarton Estates

SHEET: Sheet 1 of 17

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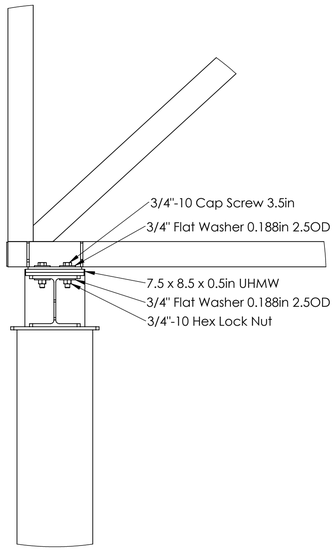

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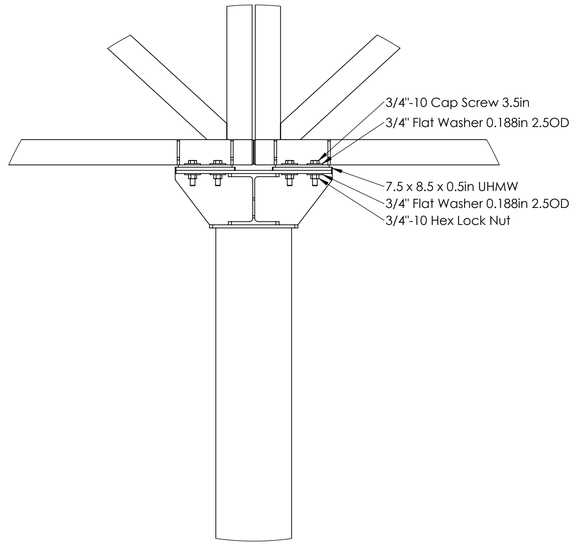

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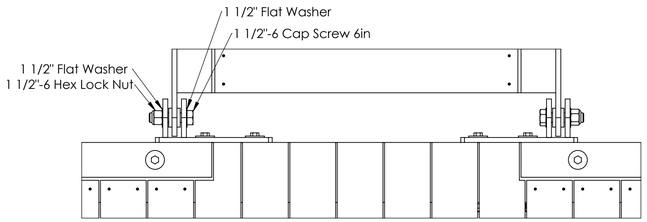

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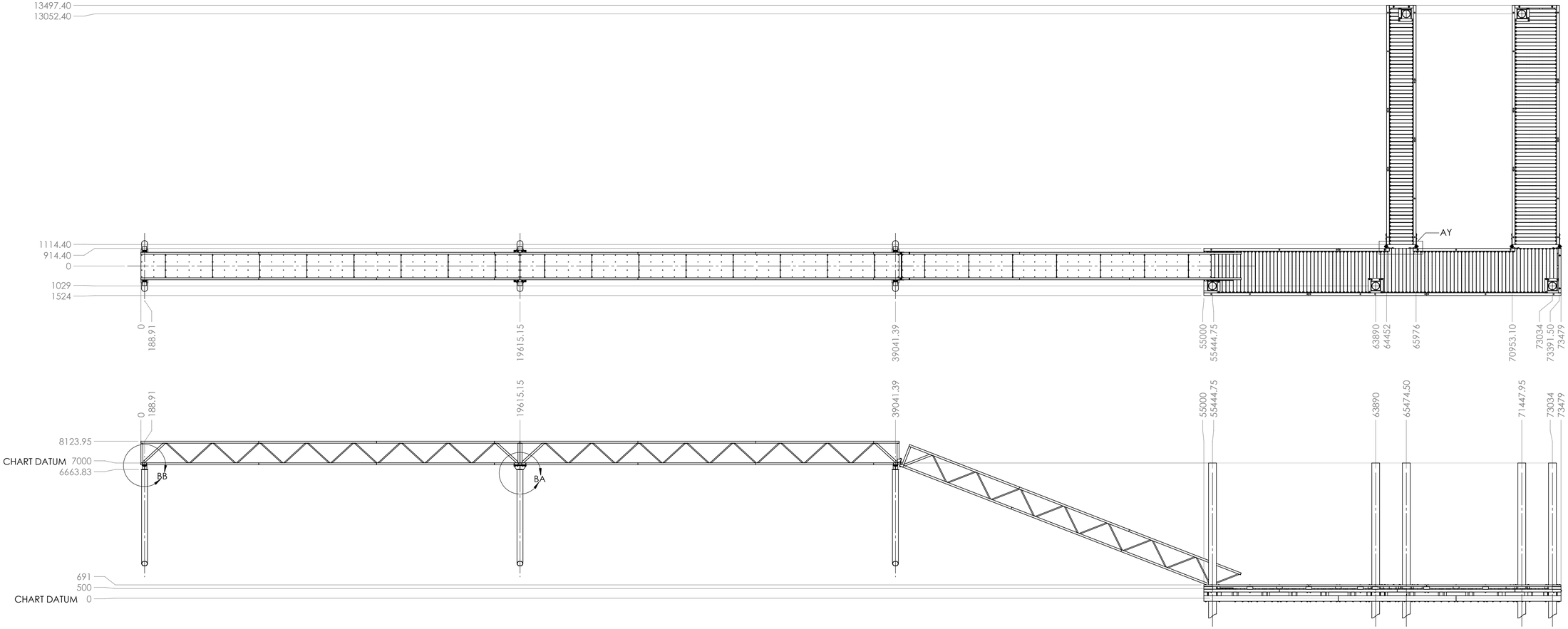

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Maple Ridge, BC V2X 1P7

STAMP:

REV.	DESCRIPTION	DATE
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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE: Dollarton Estates

TITLE: Dollarton Estates

SHEET: Sheet 2 of 17

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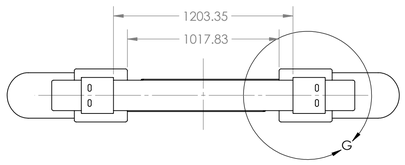

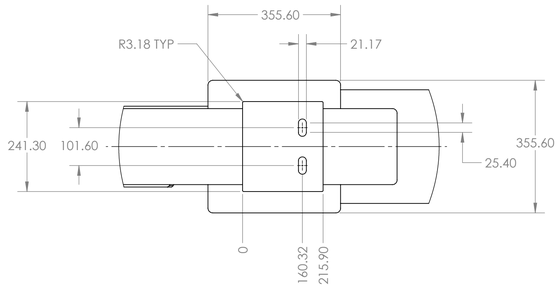

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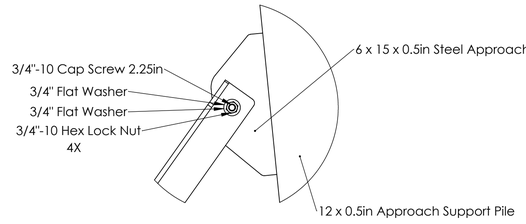

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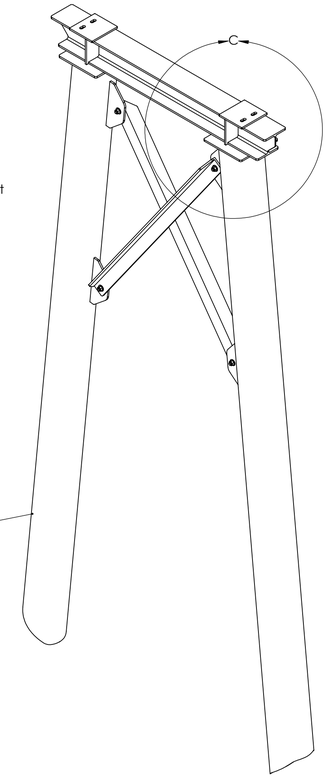

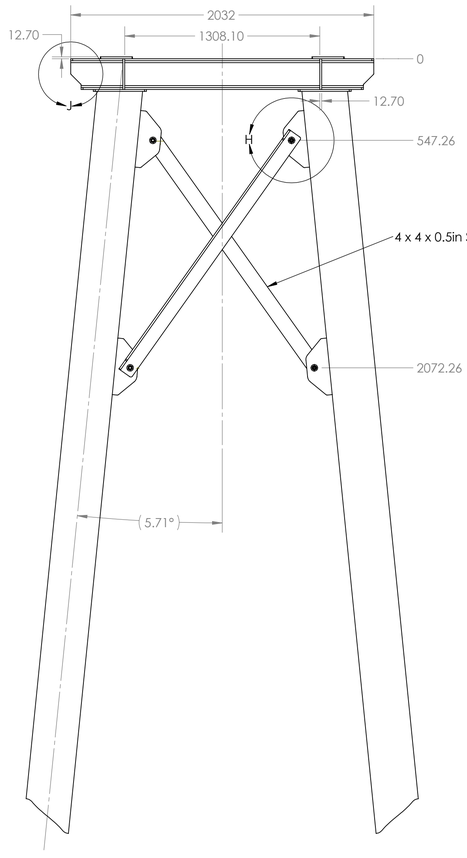

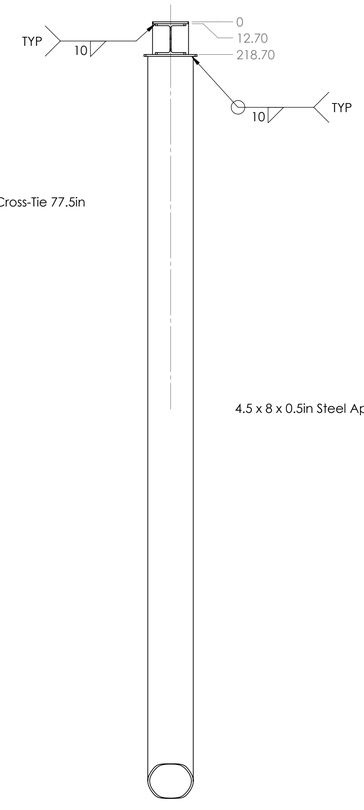

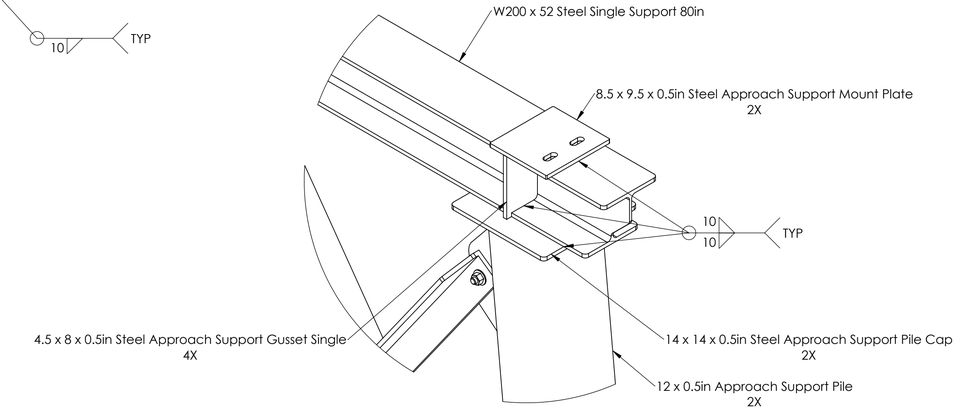

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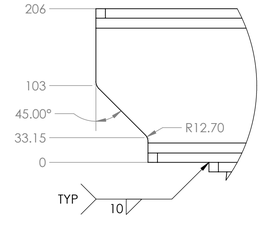

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Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE: Dollarton Estates

TITLE: Approach Support Single

SHEET: Sheet 3 of 17

SIZE	SCALE	REV.
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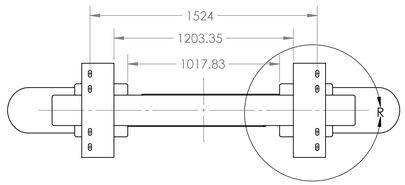

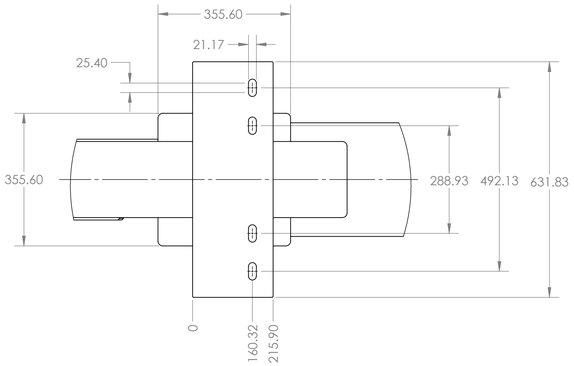

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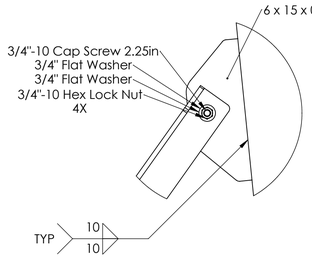

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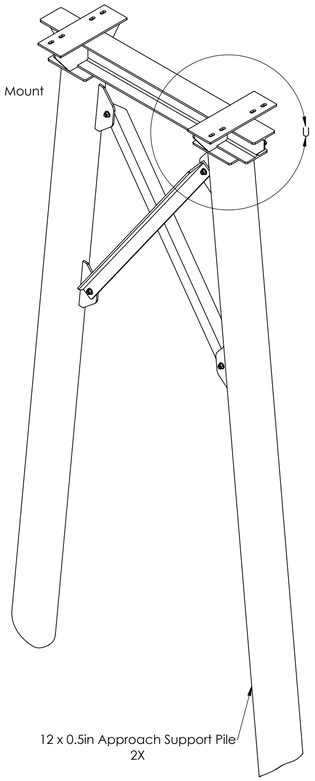

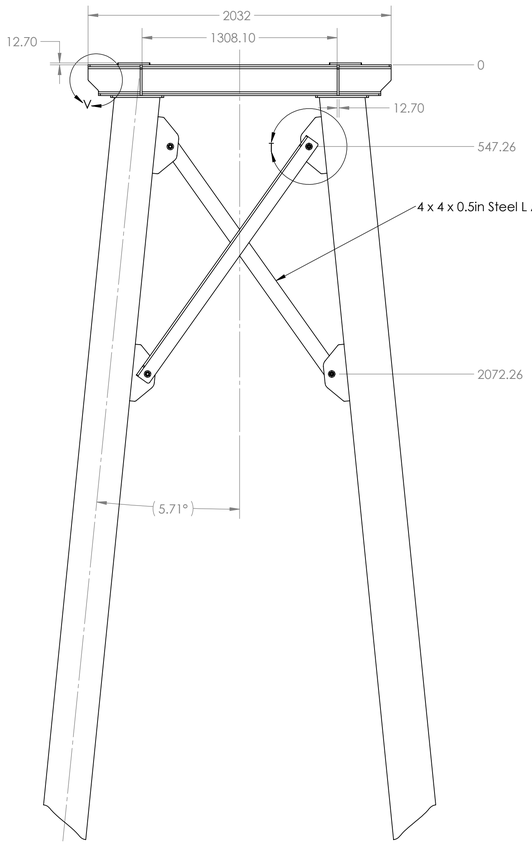

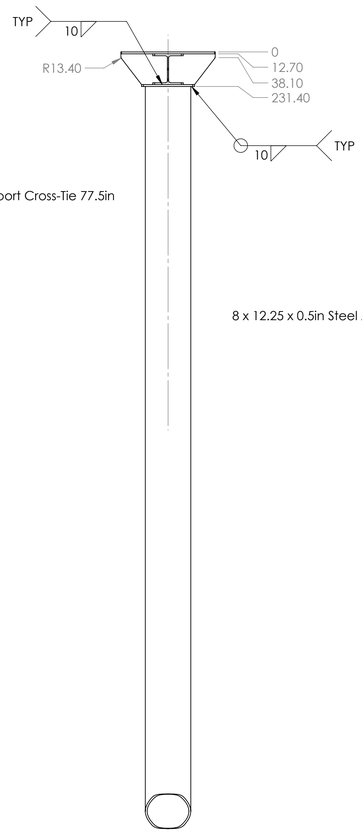

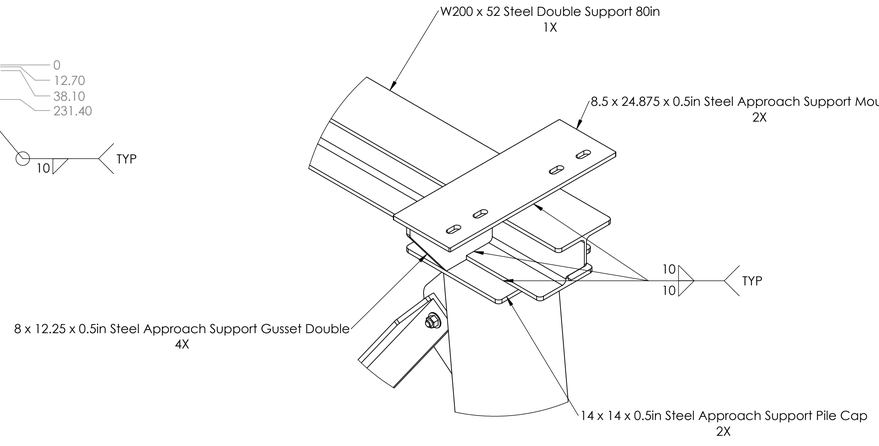

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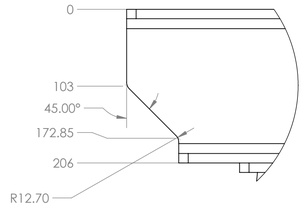

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KLA Engineering Ltd.
PO Box 21115
102 - 22441 Dewdney Trunk Road
Maple Ridge, BC V2X 1P7

STAMP:

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE: Dollarton Estates

TITLE: Approach Support Double

SHEET: Sheet 4 of 17

SIZE	SCALE	REV.
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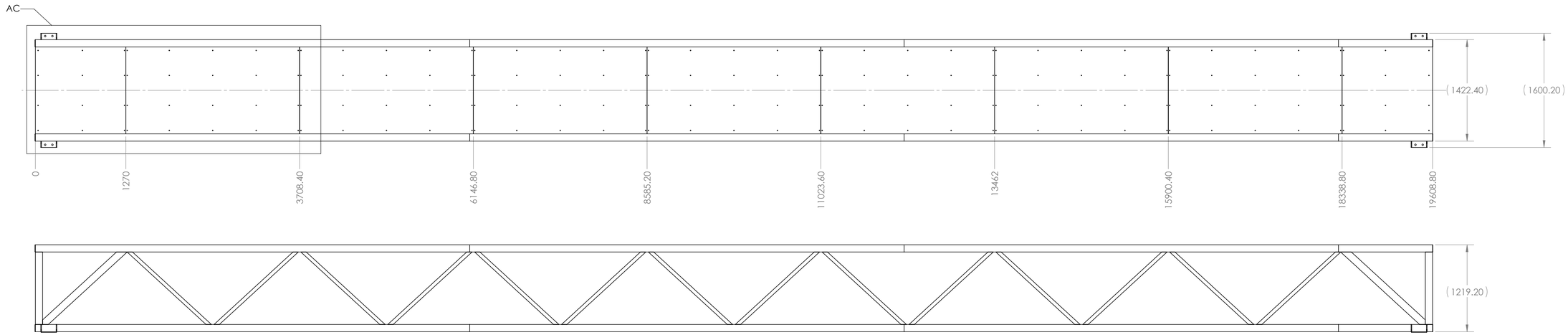

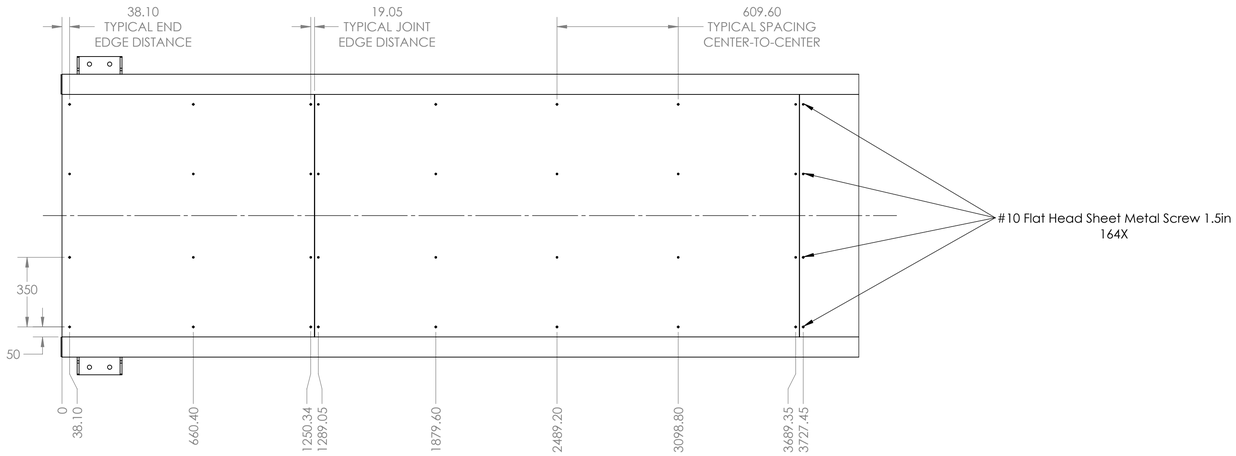

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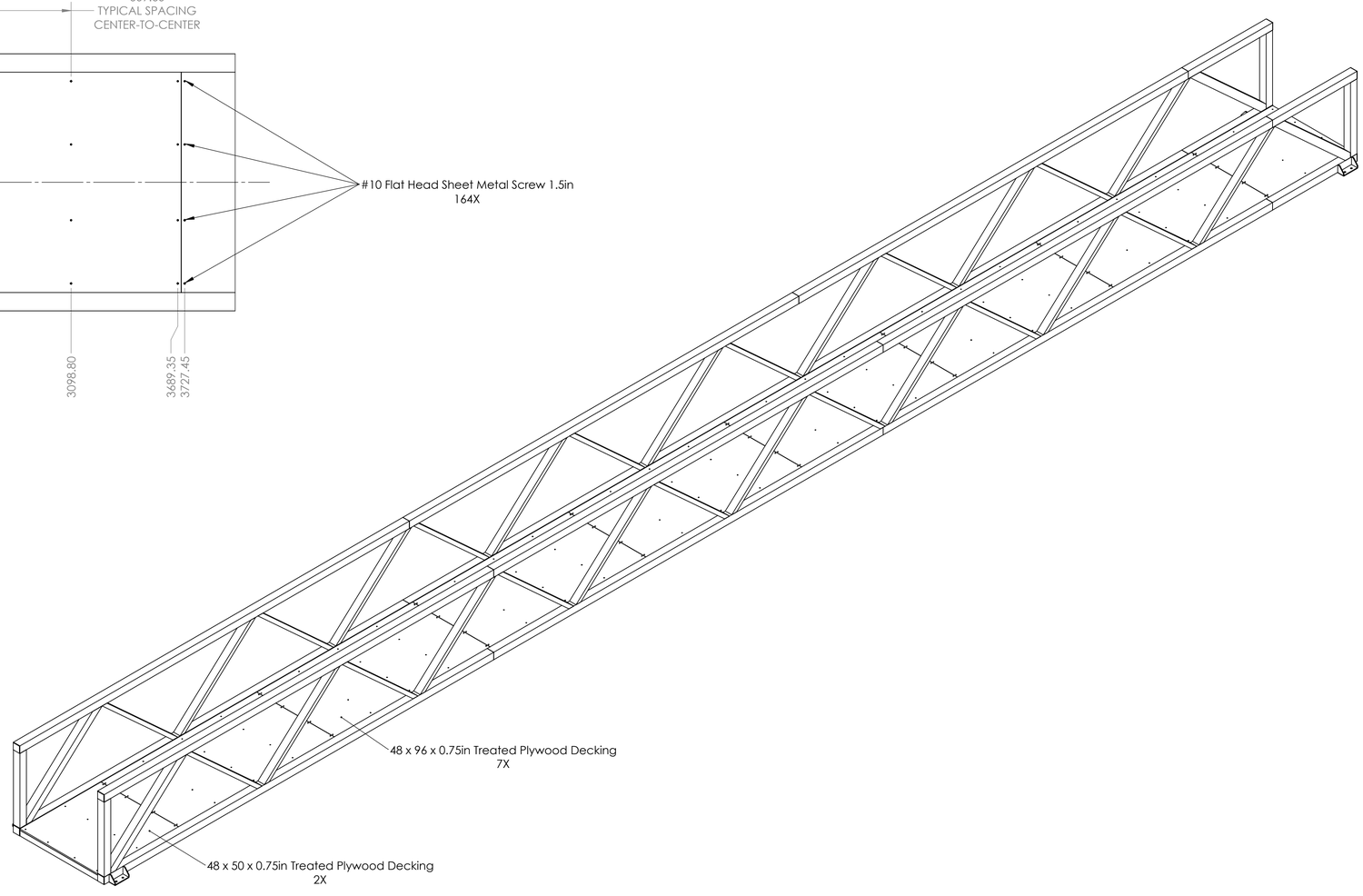

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Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

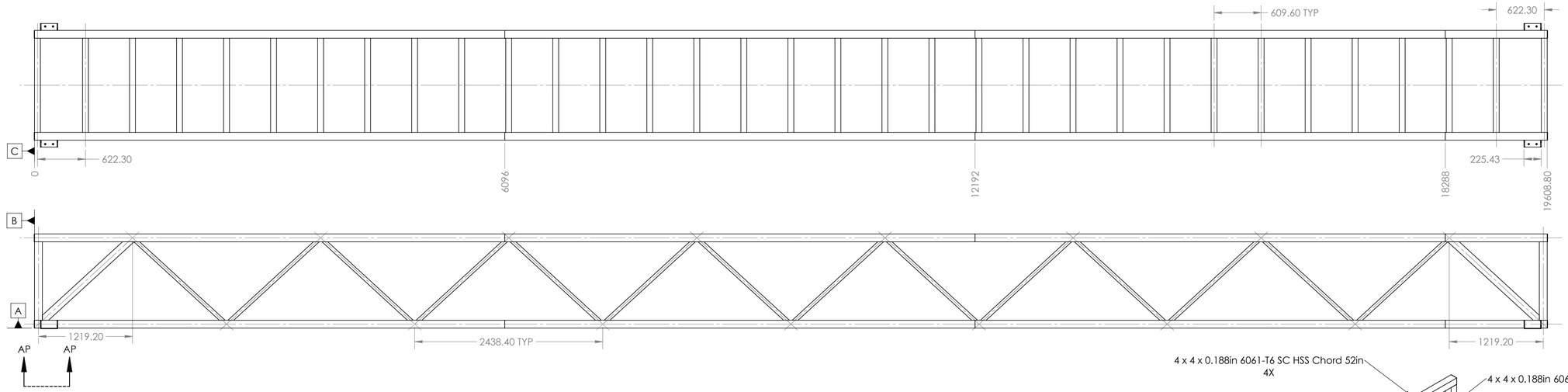
PROJECT TITLE: Dollarton Estates

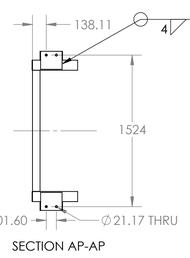
TITLE: 5ft x 64ft Aluminum Approach D0

SHEET: Sheet 5 of 17

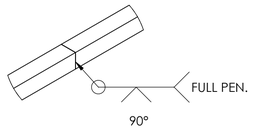
SIZE	SCALE	REV.
D	1:30	

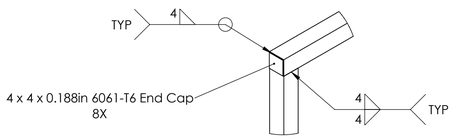
1. DESIGN OF ALUMINUM TRUSS SECTIONS CONFORMS WITH THE REQUIREMENTS OF CSA S157-05(R2015).
2. UNFACTORED LIVE LOAD CAPACITY: 2.4 kPa
3. ALUMINUM EXTRUSIONS, BARS AND PLATES: ALLOY 6061-T6
4. ALUMINUM WELDING TO BE COMPLETED IN ACCORDANCE WITH CSA W59.2 AND SHALL EMPLOY WELD FILLER ALLOY 5356
5. ALL FASTENERS SHALL BE 300 SERIES STAINLESS STEEL UNLESS SPECFIIED OTHERWISE.





SECTION AP-AP





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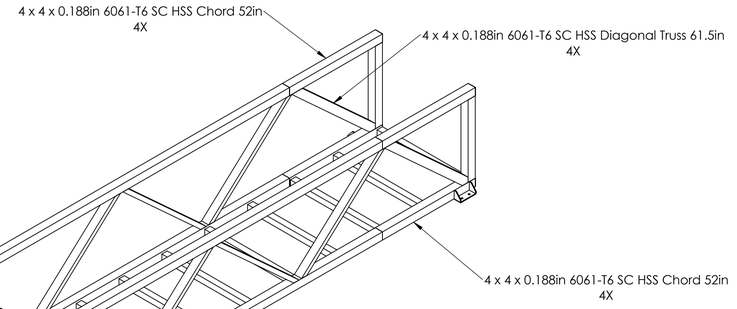

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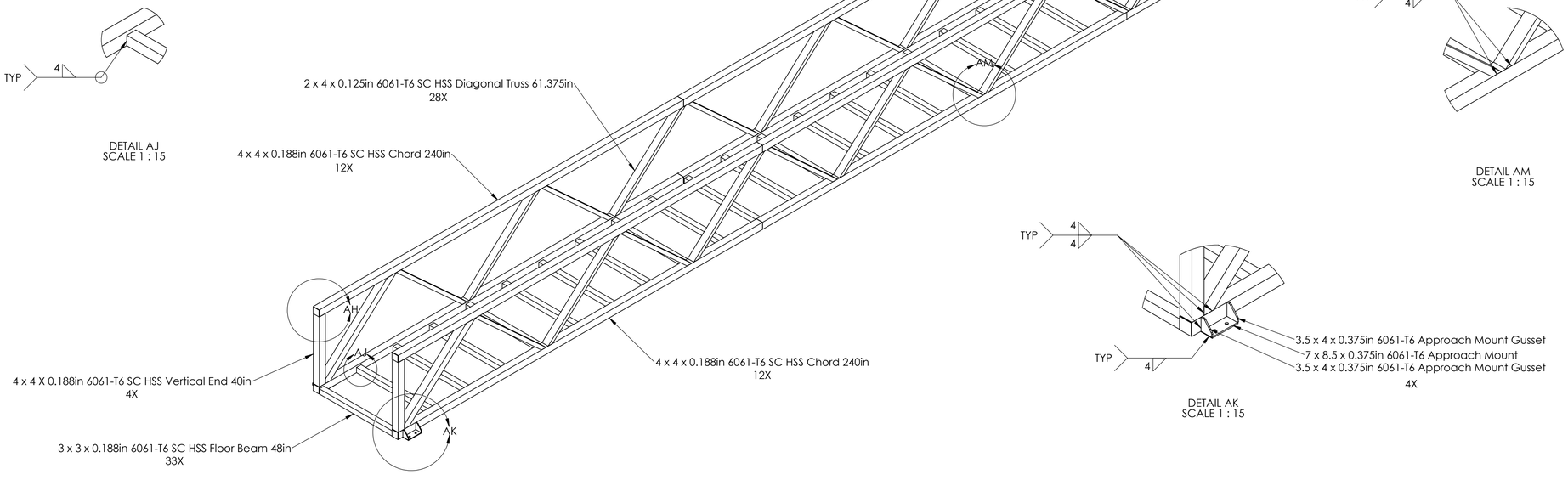

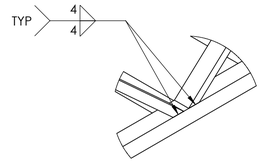

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DETAIL AK
SCALE 1 : 15

KLA Engineering Ltd.
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Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE:
Dollarton Estates

TITLE:
5ft x 64ft Aluminum
Approach Weldment D0

SHEET: Sheet 6 of 17

SIZE	SCALE	REV.
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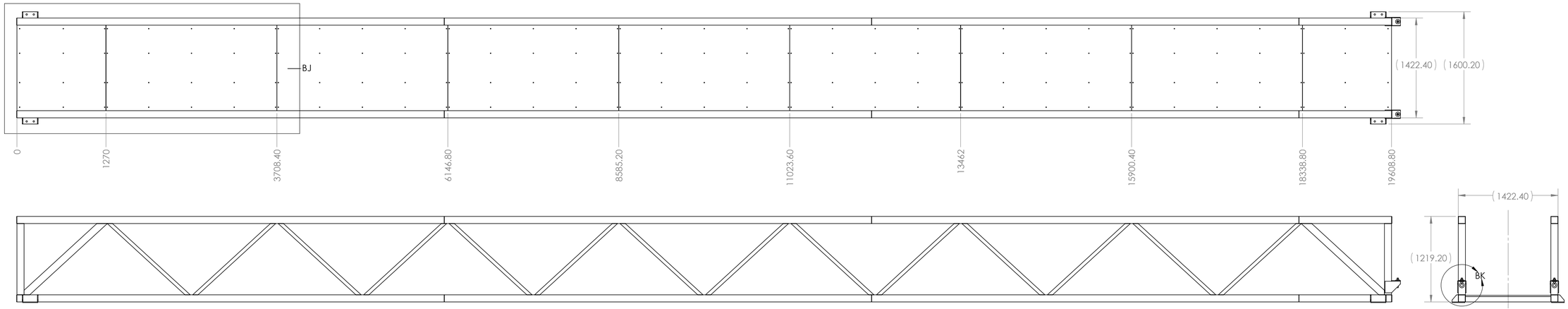

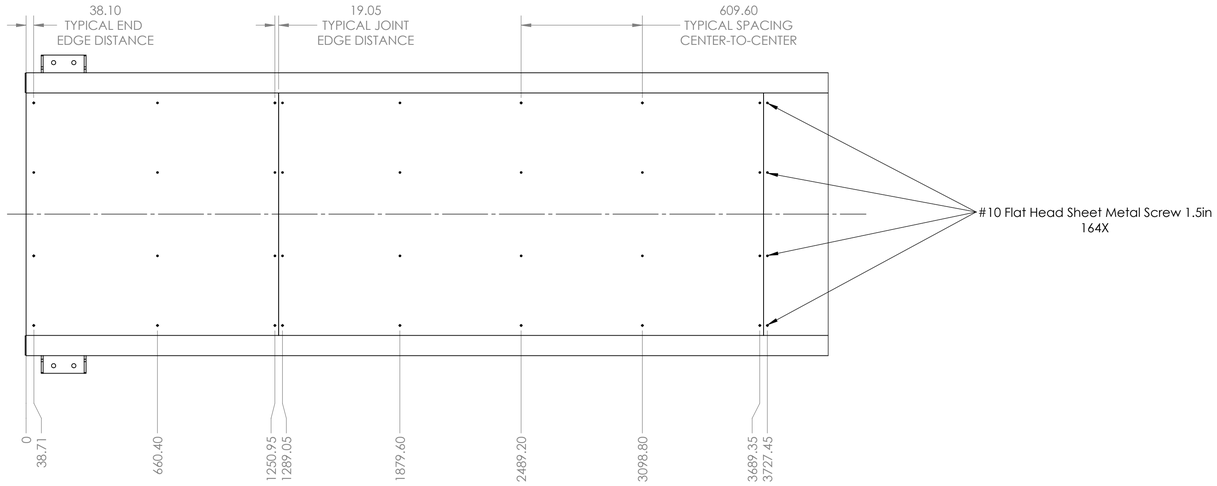

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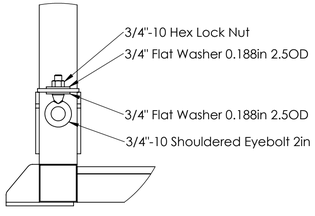

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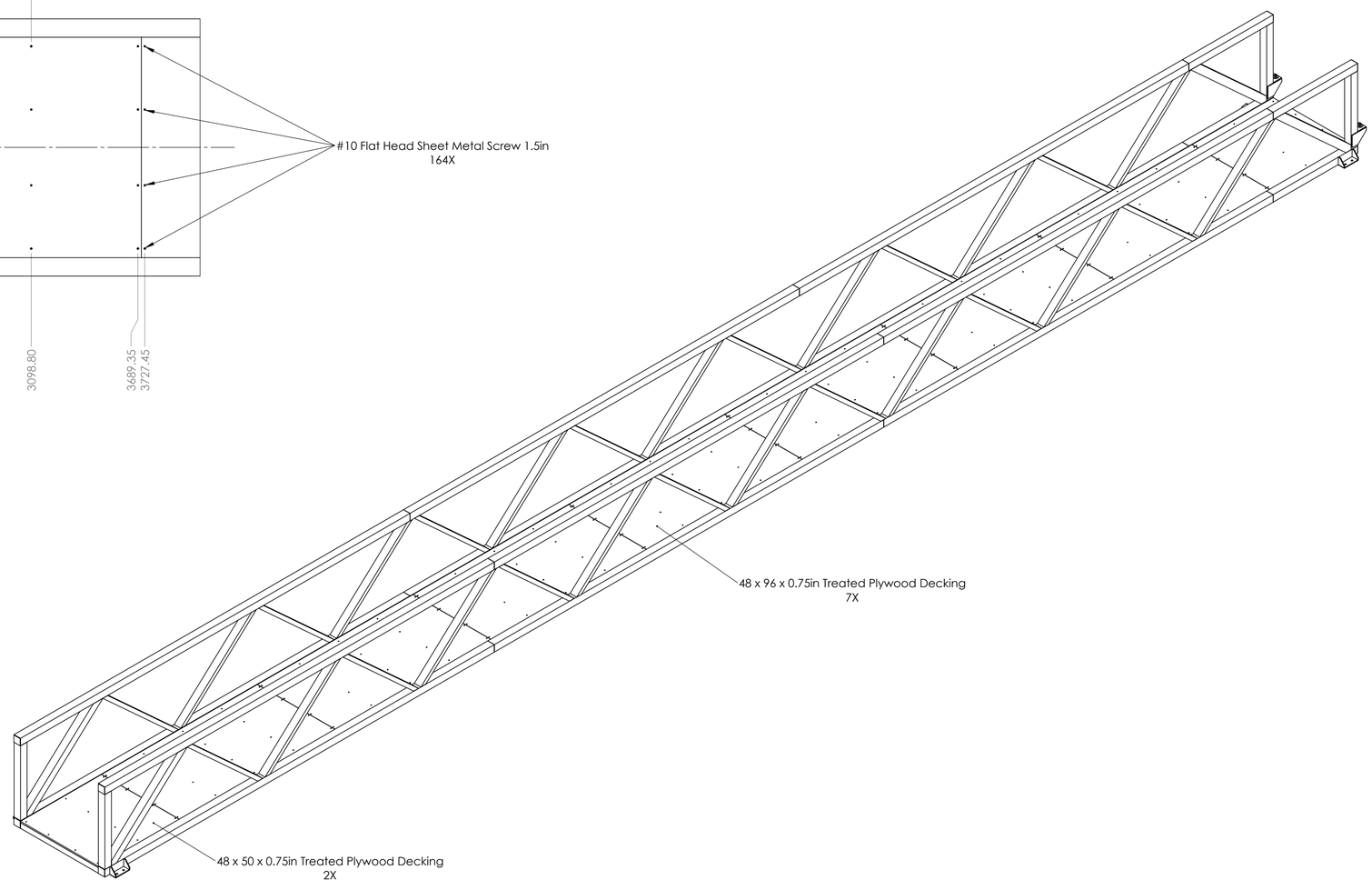

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Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

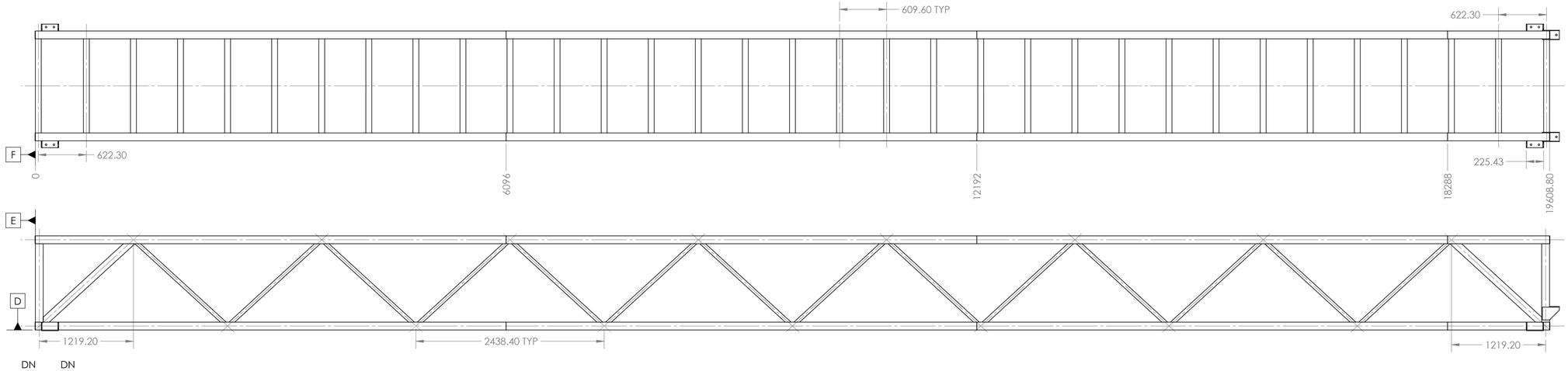
PROJECT TITLE: Dollarton Estates

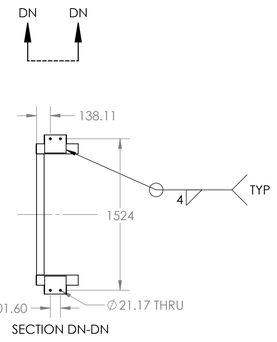
TITLE: 5ft x 64ft Aluminum Approach D772

SHEET: Sheet 7 of 17

SIZE	SCALE	REV.
D	1:30	

1. DESIGN OF ALUMINUM TRUSS SECTIONS CONFORMS WITH THE REQUIREMENTS OF CSA S157-05(R2015).
2. UNFACTORED LIVE LOAD CAPACITY: 2.4 kPa
3. ALUMINUM EXTRUSIONS, BARS AND PLATES: ALLOY 6061-T6
4. ALUMINUM WELDING TO BE COMPLETED IN ACCORDANCE WITH CSA W59.2 AND SHALL EMPLOY WELD FILLER ALLOY 5356
5. ALL FASTENERS SHALL BE 300 SERIES STAINLESS STEEL UNLESS SPECFIIED OTHERWISE.





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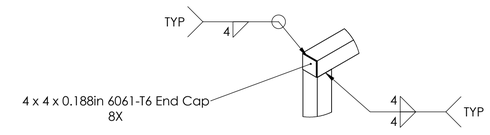

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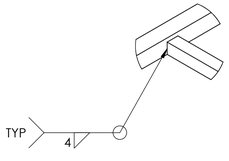

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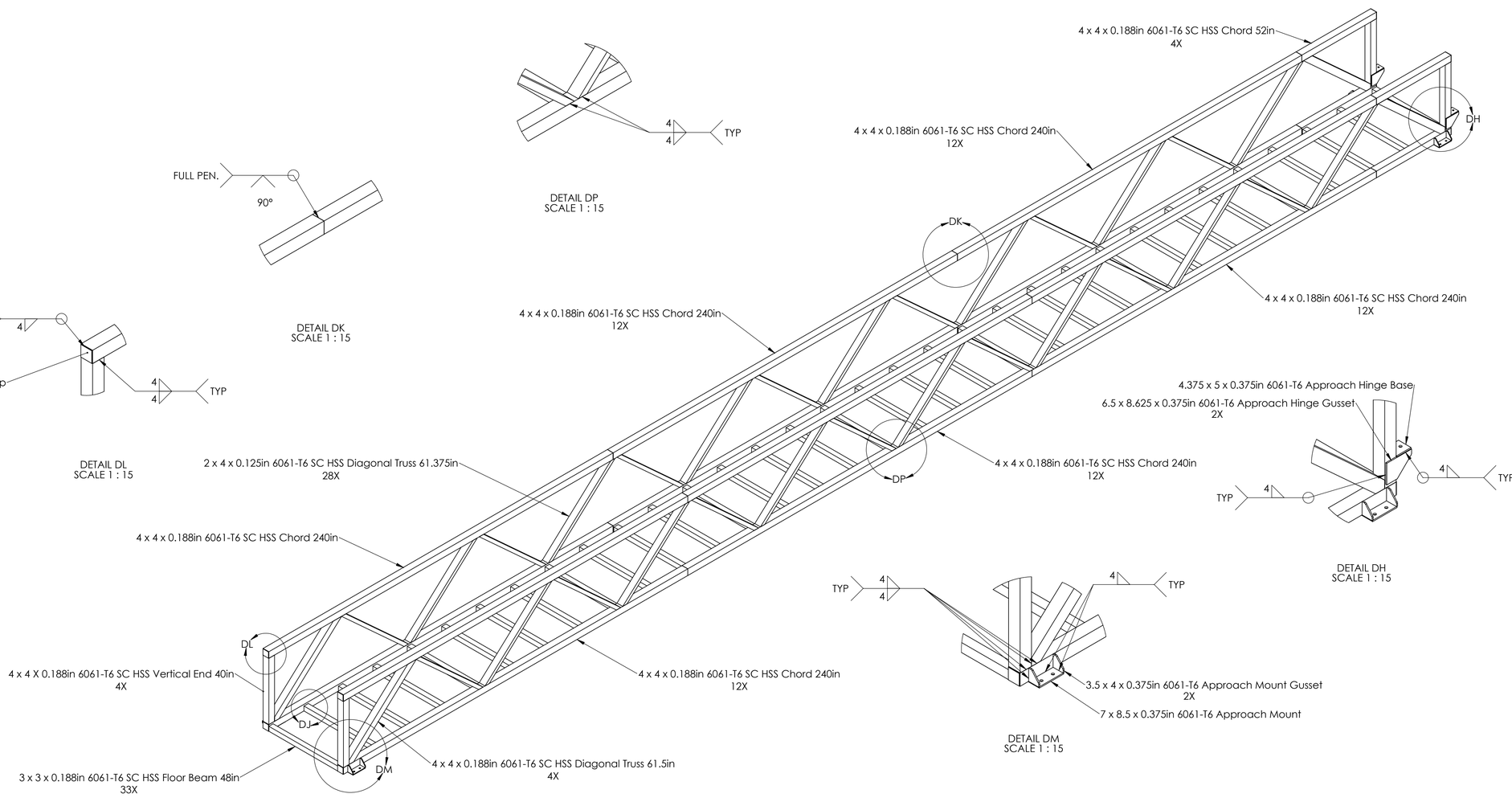
DETAIL DL
SCALE 1 : 15



DETAIL DM
SCALE 1 : 15

DETAIL DH
SCALE 1 : 15

KLA Engineering Ltd.
PO Box 21115
102 - 22441 Dewdney Trunk Road
Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

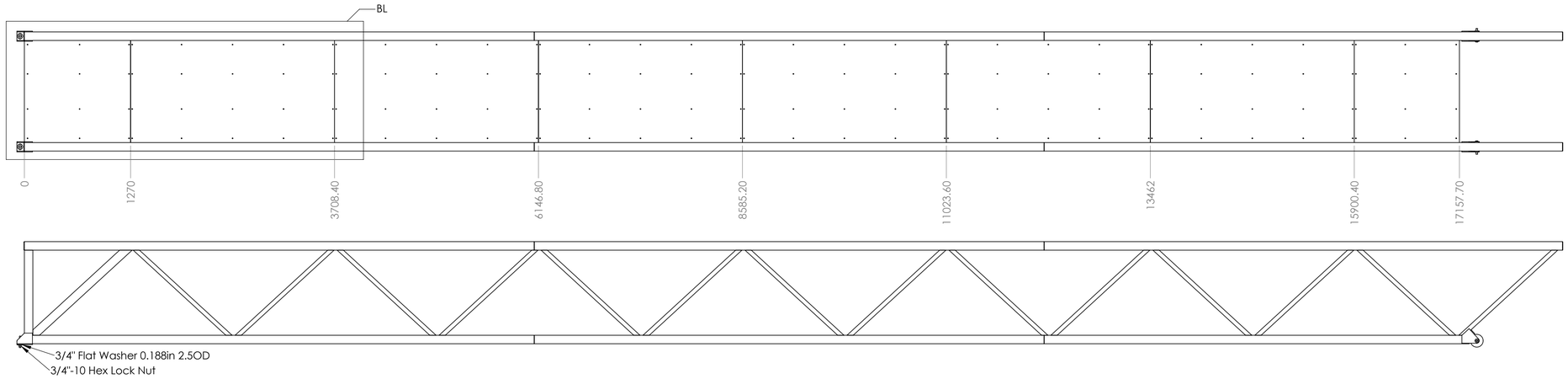
CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

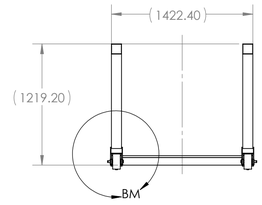
PROJECT TITLE:
Dollarton Estates

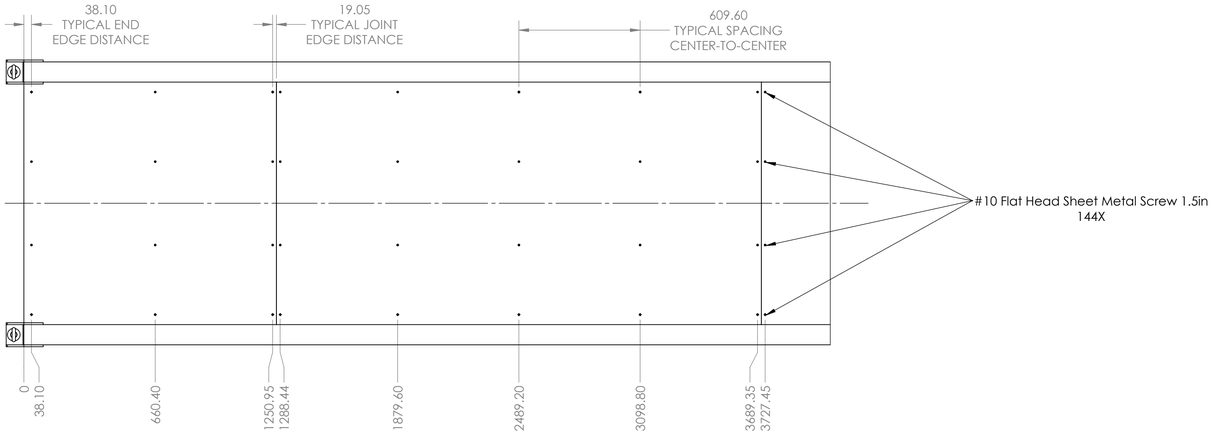
TITLE:
5ft x 64ft Aluminum
Approach Weldment D0

SHEET:
Sheet 8 of 17

SIZE	SCALE	REV.
D	1:30	







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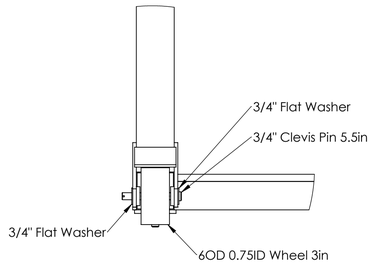

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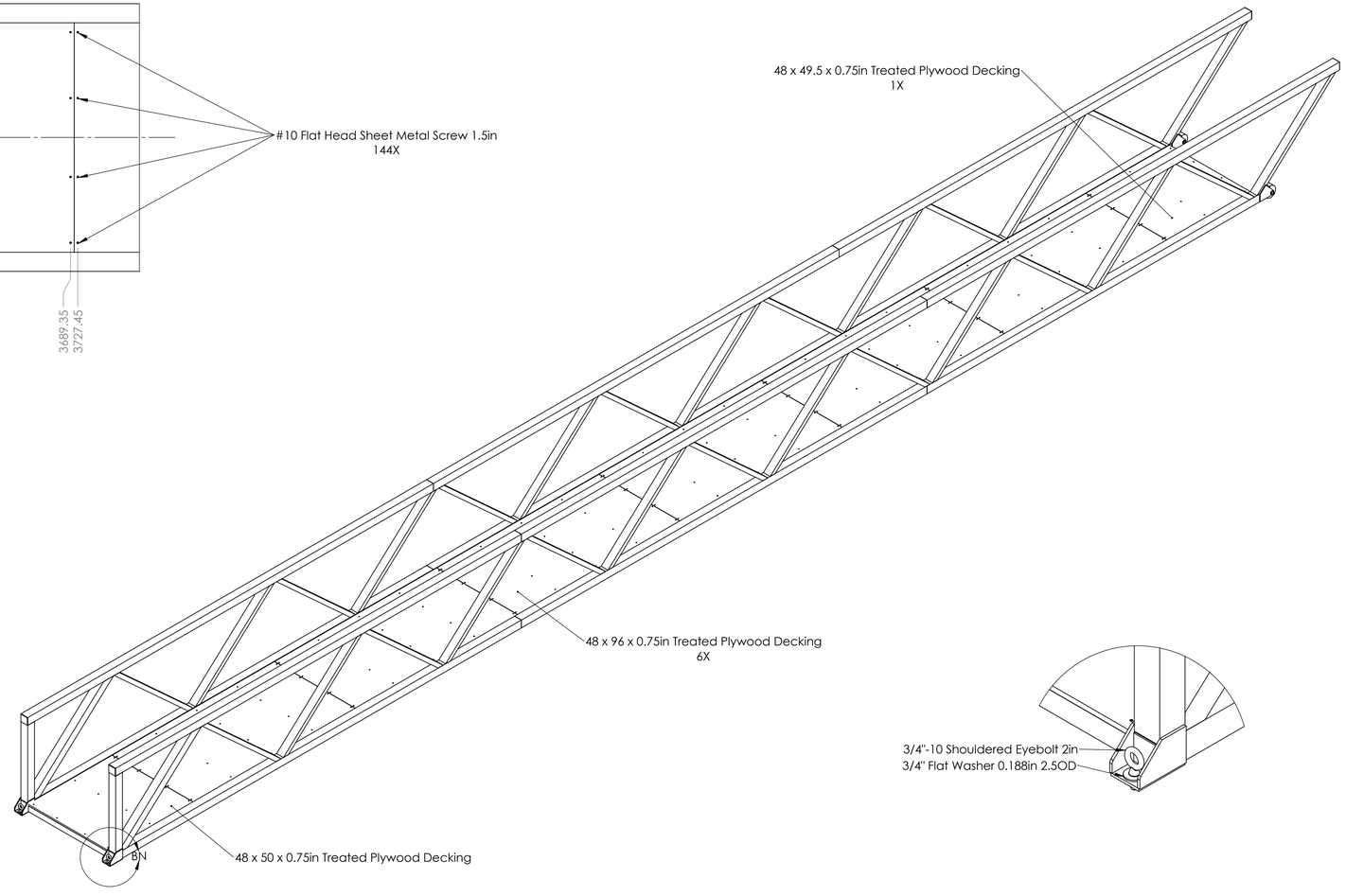

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SCALE 1 : 8

KLA Engineering Ltd.
PO Box 21115
102 - 22441 Dewdney Trunk Road
Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

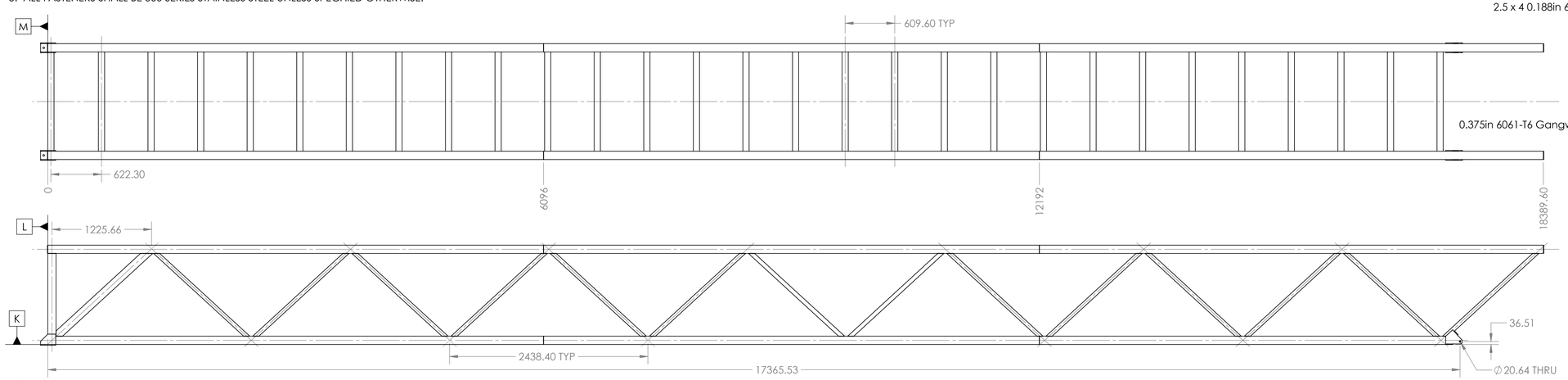
PROJECT TITLE: Dollarton Estates

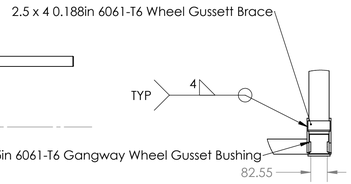
TITLE: 5ft x 64ft Aluminum Gangway

SHEET: Sheet 9 of 17

SIZE	SCALE	REV.
D	1:30	

1. DESIGN OF ALUMINUM TRUSS SECTIONS CONFORMS WITH THE REQUIREMENTS OF CSA S157-05(R2015).
2. UNFACTORED LIVE LOAD CAPACITY: 2.4 kPa
3. ALUMINUM EXTRUSIONS, BARS AND PLATES: ALLOY 6061-T6
4. ALUMINUM WELDING TO BE COMPLETED IN ACCORDANCE WITH CSA W59.2 AND SHALL EMPLOY WELD FILLER ALLOY 5356
5. ALL FASTENERS SHALL BE 300 SERIES STAINLESS STEEL UNLESS SPECFIIED OTHERWISE.





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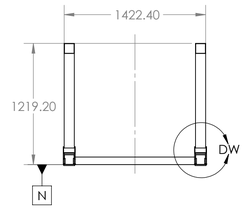

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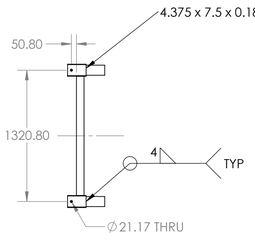

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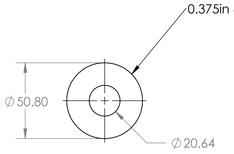

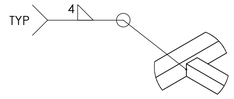

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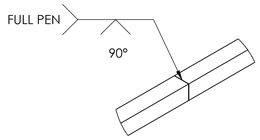

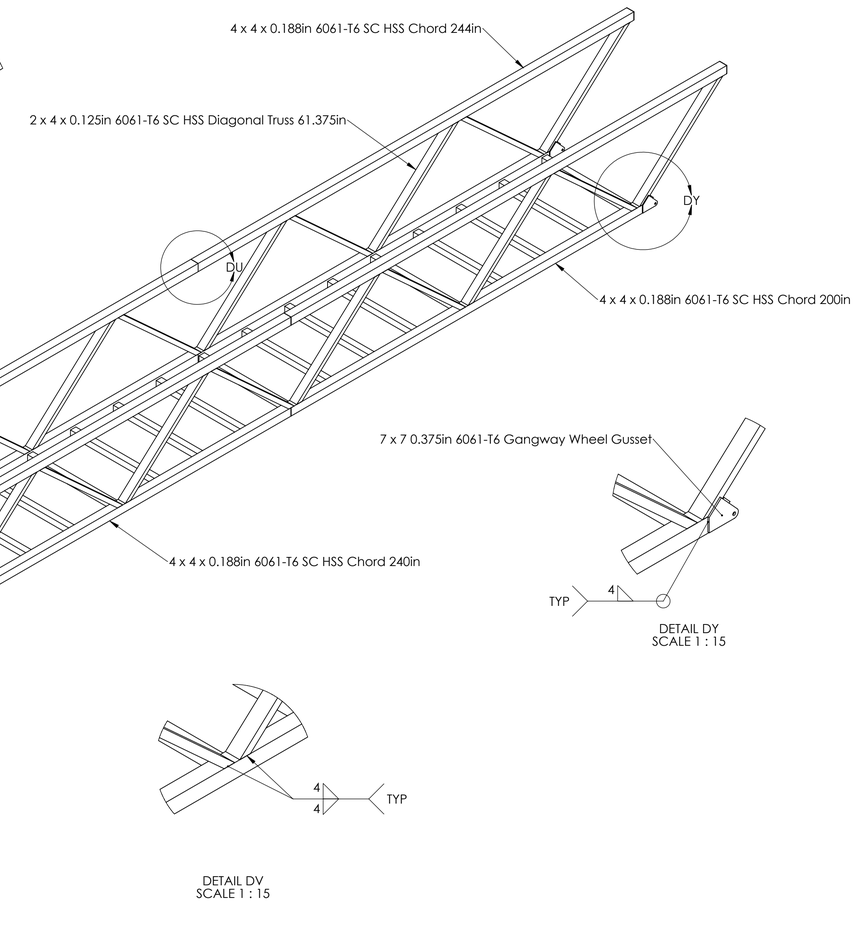

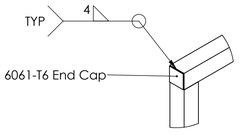

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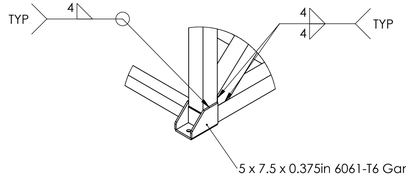

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DETAIL EB
SCALE 1 : 15

DETAIL DY
SCALE 1 : 15

DETAIL DV
SCALE 1 : 15

KLA Engineering Ltd.
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102 - 22441 Dewdney Trunk Road
Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE: Dollarton Estates

TITLE: 5ft x 64ft AluminuM Gangway Weldment

SHEET: Sheet 10 of 17

SIZE	SCALE	REV.
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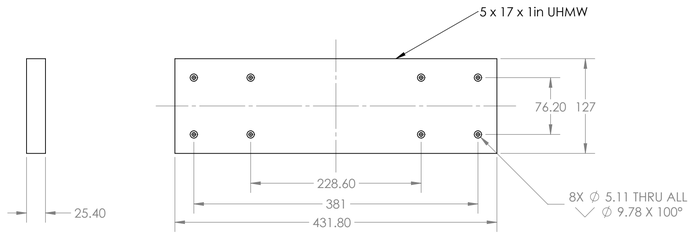

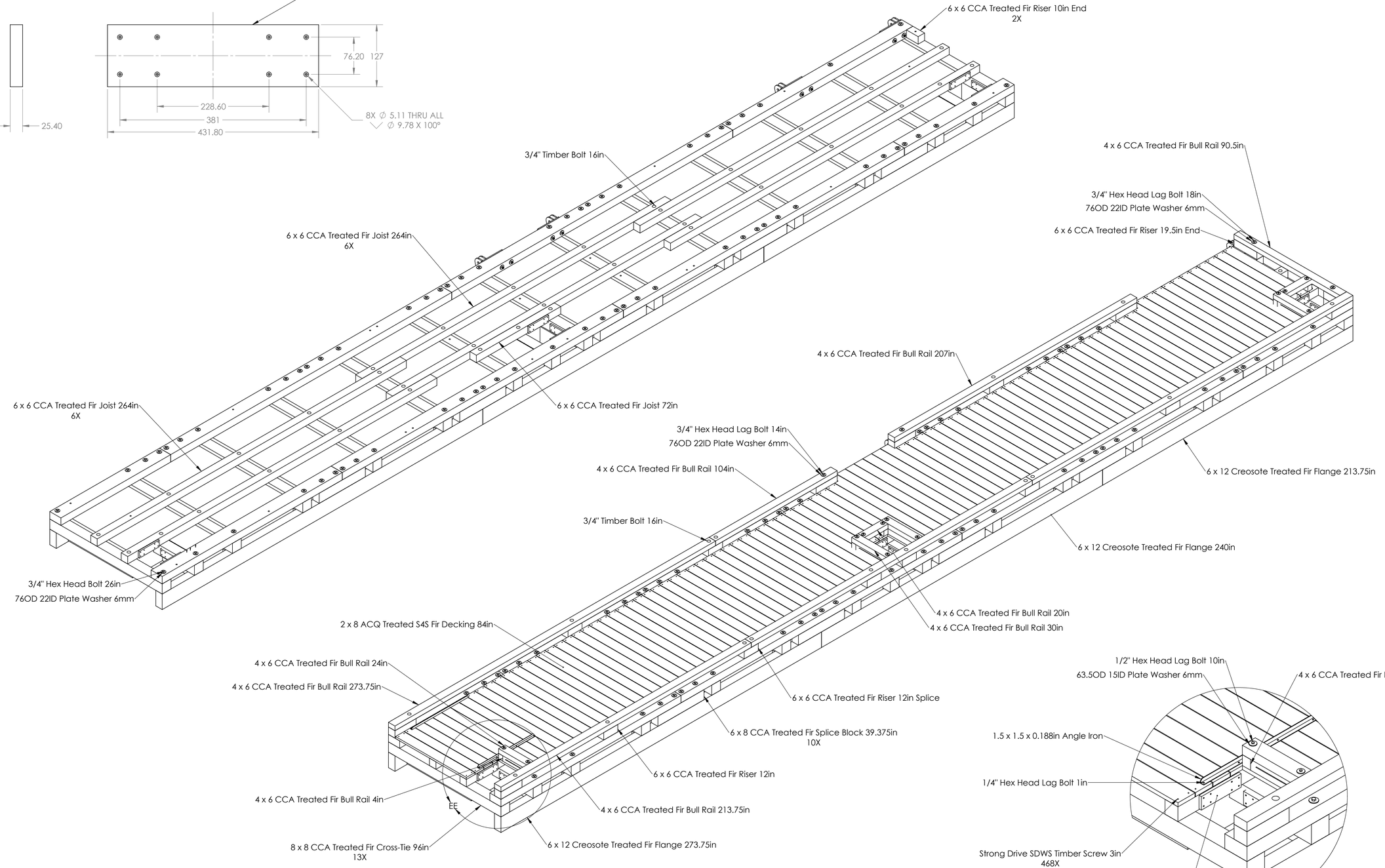

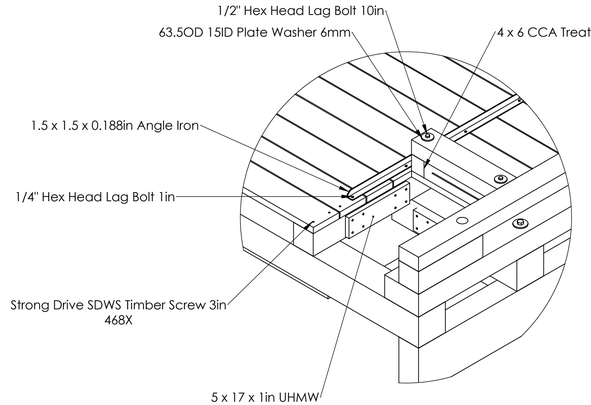

DETAIL EE
SCALE 1 : 15

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4. FLOATS SHALL BE ASSEMBLED USING BOLTS CONFORMING TO ASTM A307 AND SHALL BE PROVIDED HOT DIP GALVANIZED. REFER TO DRAWINGs FOR BOLTING DETAILS.
5. DECKING SHALL BE SUPPLIED AND INSTALLED IN CONTINUOUS LENGTHS - INTERMEDIATE JOINTS NOT PERMITTED. INSTALL DECKING BEST FACE UP AND ATTACH TO STRINGERS WITH STRONG DRIVE SWDS TIMBER SCREWS, 76mm LONG, DOUBLE BARRIER COATING OR APPROVED EQUIVALENT. TWO SCREWS PER CONTACT. PRE-DRILL DECK PLANKS TO PREVENT SPLITTING. MAXIMUM GAP BETWEEN ADJACENT DECK BOARDS AT INSTALLATION NOT TO EXCEED 3mm.
6. DOCK FLOATS TO BE ONE PIECE EXPANDED POLYSTYRENE (EPS) CONFORMING TO REQUIREMENTS OF CAN/ULC S701, TYPE 2. COAT EPS WITH SPRAY APPLIED POLYUREA MINIMUM 2mm THICKNESS.

KLA Engineering Ltd.
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102 - 22441 Dewdney Trunk Road
Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE: Dollarton Estates

TITLE: 8ft x 60ft Main Float

SHEET: Sheet 11 of 17

SIZE	SCALE	REV.
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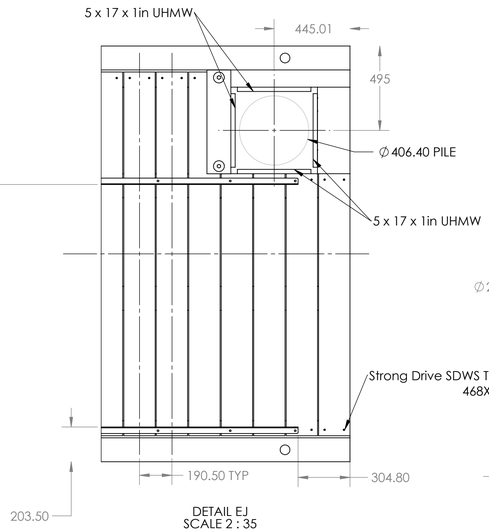

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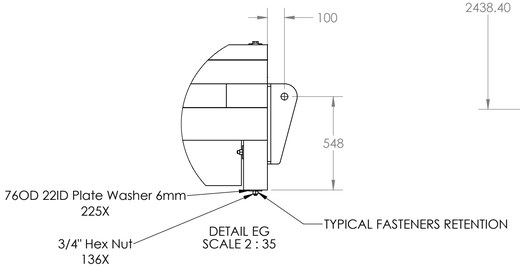

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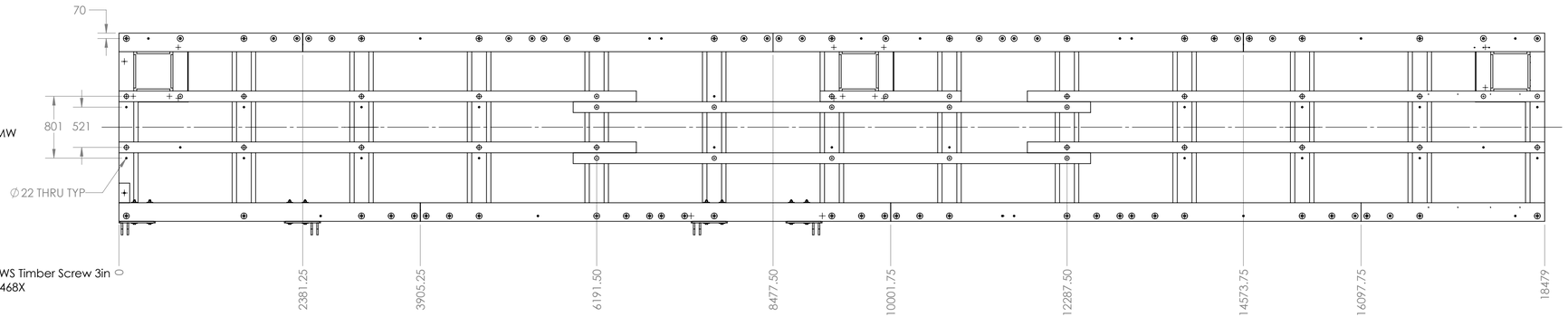

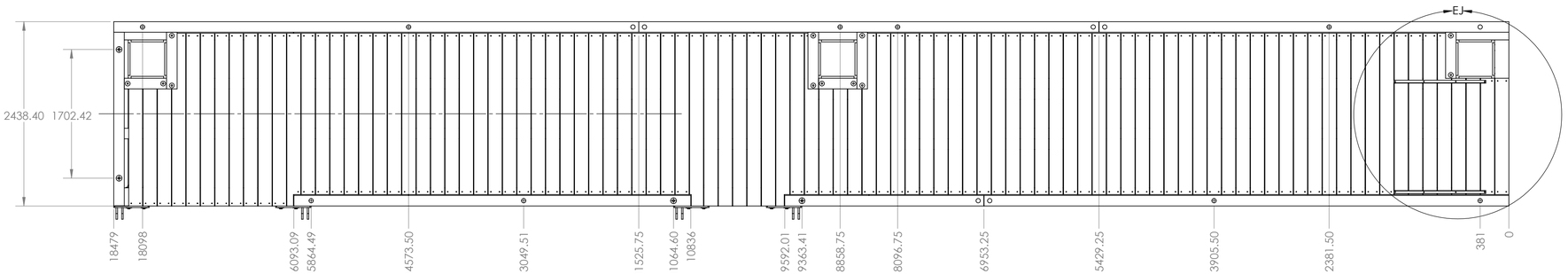

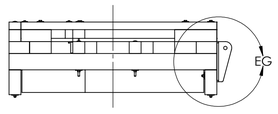

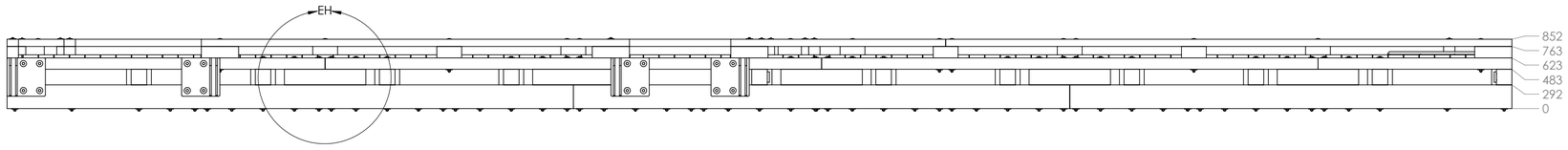

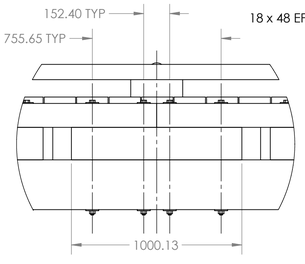

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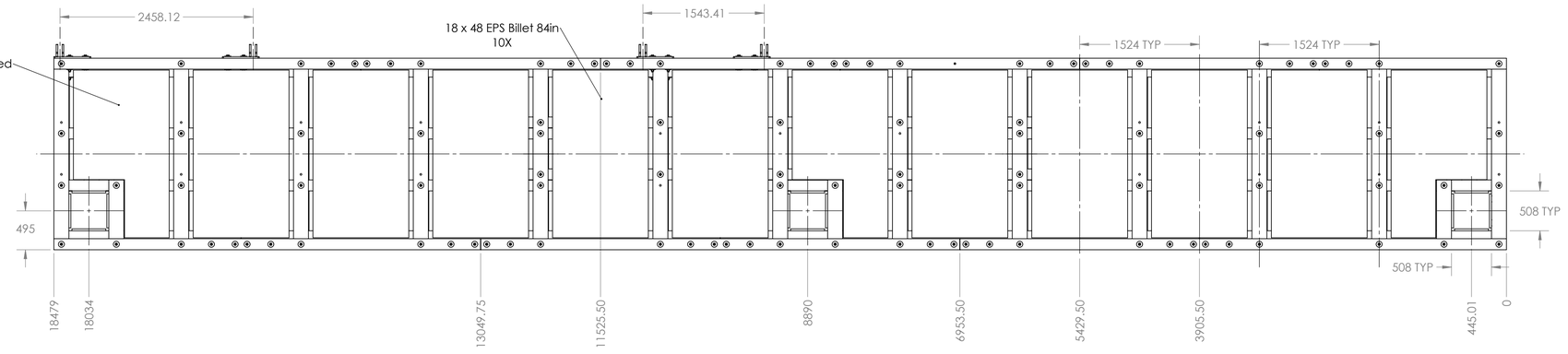

1. ALL TIMBER SHALL BE DOUGLAS FIR, No. 1 CONFORMING TO NLGA GRADING RULES FOR CANADIAN LUMBER.
2. TIMBER SHALL BE TREATED WITH ACZA PRESERVATIVE IN ACCORDANCE WITH CSA O80 USE CATEGORY UC5A - MINIMUM NET RETENTION 30.0kg/m3.
4. FLOATS SHALL BE ASSEMBLED USING BOLTS CONFORMING TO ASTM A307 AND SHALL BE PROVIDED HOT DIP GALVANIZED. REFER TO DRAWINGs FOR BOLTING DETAILS.
5. DECKING SHALL BE SUPPLIED AND INSTALLED IN CONTINUOUS LENGTHS - INTERMEDIATE JOINTS NOT PERMITTED. INSTALL DECKING BEST FACE UP AND ATTACH TO STRINGERS WITH STRONG DRIVE SWDS TIMBER SCREWS, 76mm LONG, DOUBLE BARRIER COATING OR APPROVED EQUIVALENT. TWO SCREWS PER CONTACT. PRE-DRILL DECK PLANKS TO PREVENT SPLITTING. MAXIMUM GAP BETWEEN ADJACENT DECK BOARDS AT INSTALLATION NOT TO EXCEED 3mm.
6. DOCK FLOATS TO BE ONE PIECE EXPANDED POLYSTYRENE (EPS) CONFORMING TO REQUIREMENTS OF CAN/ULC S701, TYPE 2. COAT EPS WITH SPRAY APPLIED POLYUREA MINIMUM 2mm THICKNESS.

KLA Engineering Ltd.
PO Box 21115
102 - 22441 Dewdney Trunk Road
Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE:
Dollarton Estates

TITLE:
8ft x 60ft Main Float

SHEET:
Sheet 12 of 17

SIZE	SCALE	REV.
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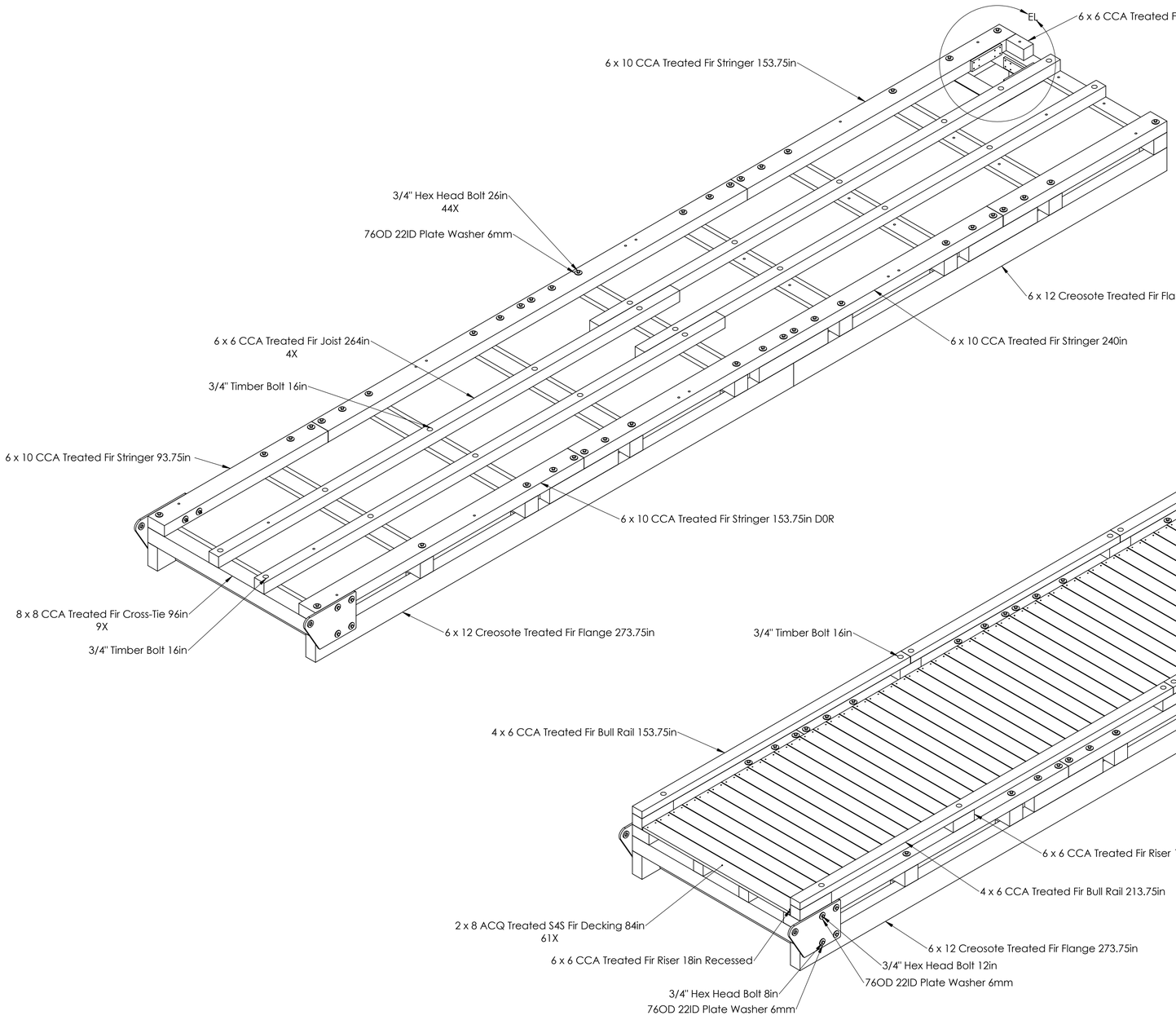

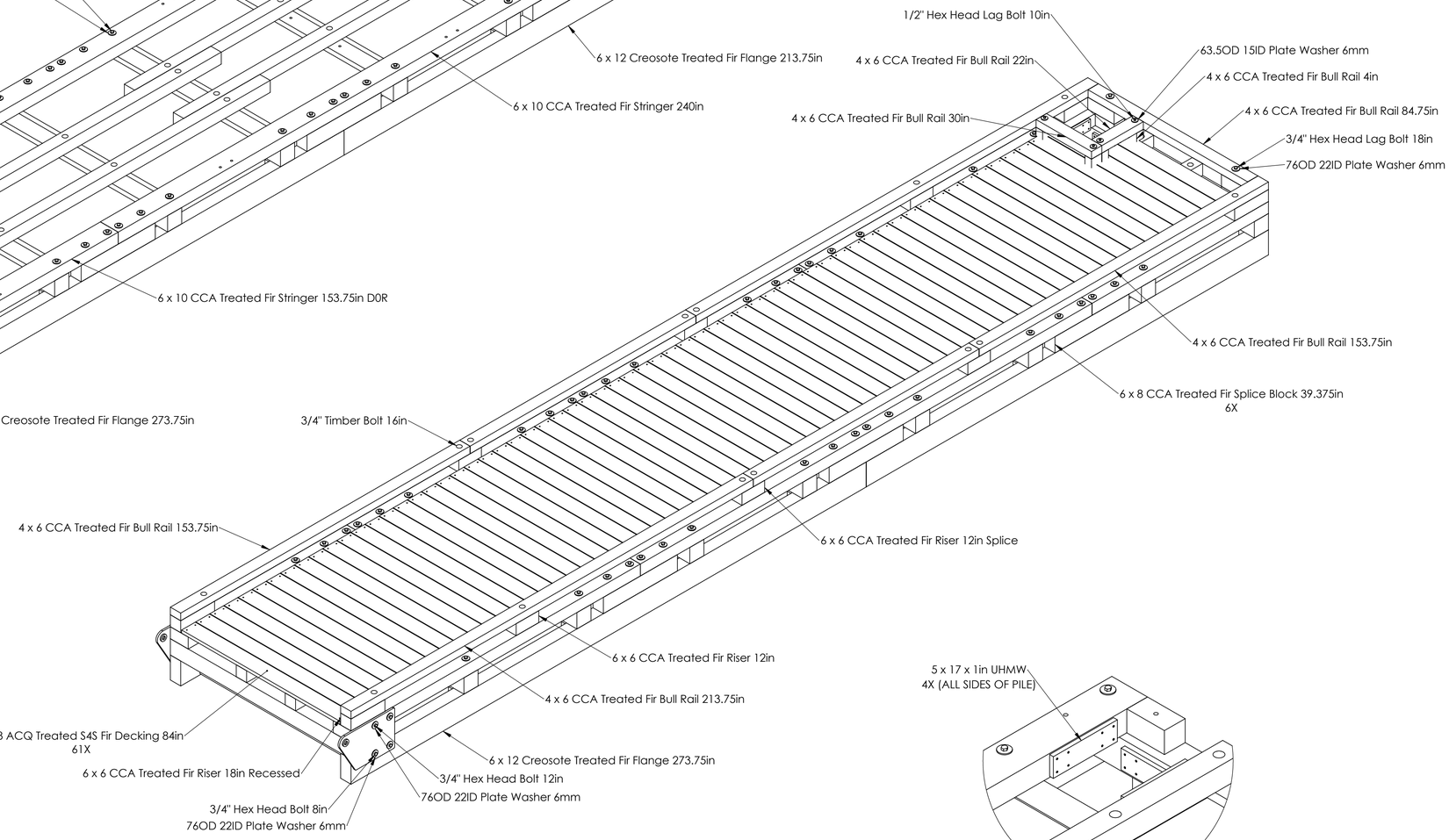

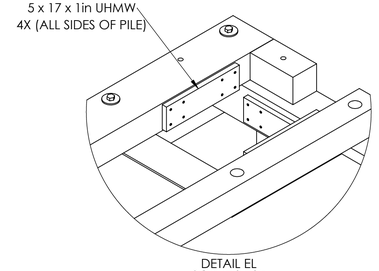

DETAIL EL
SCALE 2 : 25

1. ALL TIMBER SHALL BE DOUGLAS FIR, No. 1 CONFORMING TO NLGA GRADING RULES FOR CANADIAN LUMBER.
2. TIMBER SHALL BE TREATED WITH ACZA PRESERVATIVE IN ACCORDANCE WITH CSA O80 USE CATEGORY UC5A - MINIMUM NET RETENTION 30.0kg/m3.
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Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

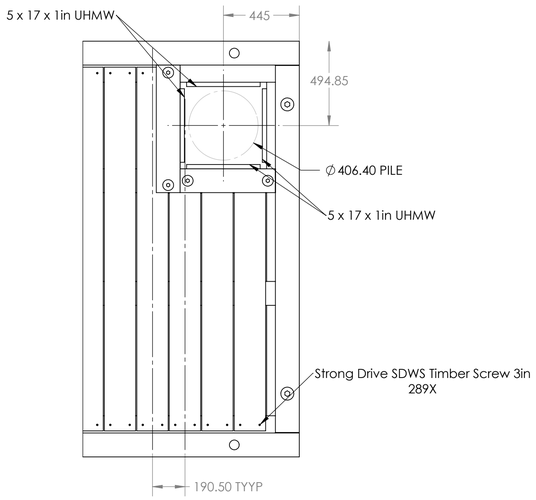
CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE:
Dollarton Estates

TITLE:
8ft x 40ft Float Finger

SHEET:
Sheet 13 of 17

SIZE	SCALE	REV.
D	1:25	



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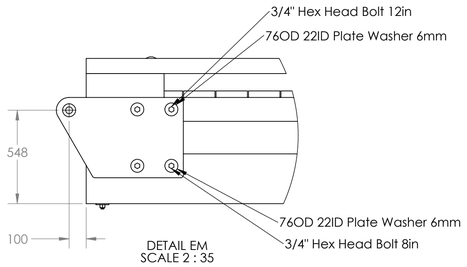

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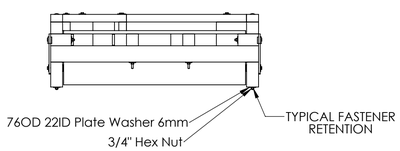

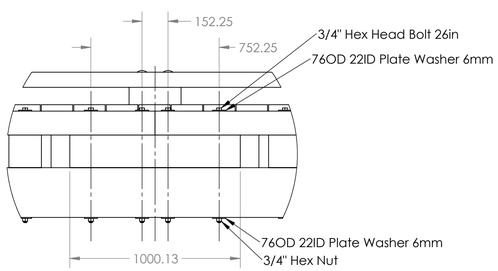

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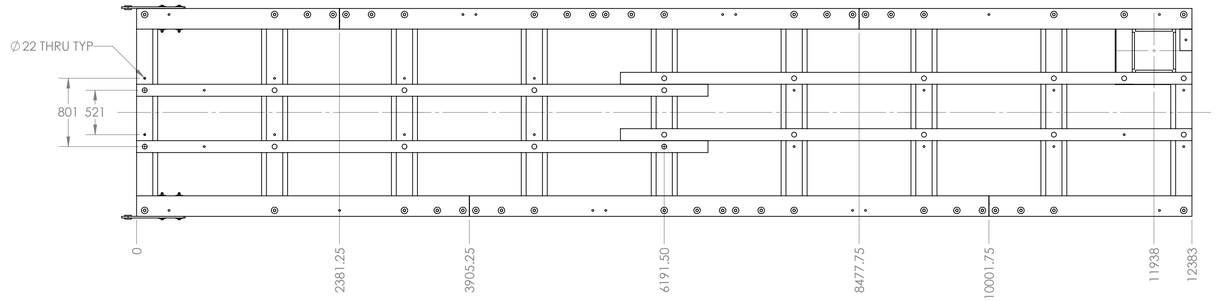

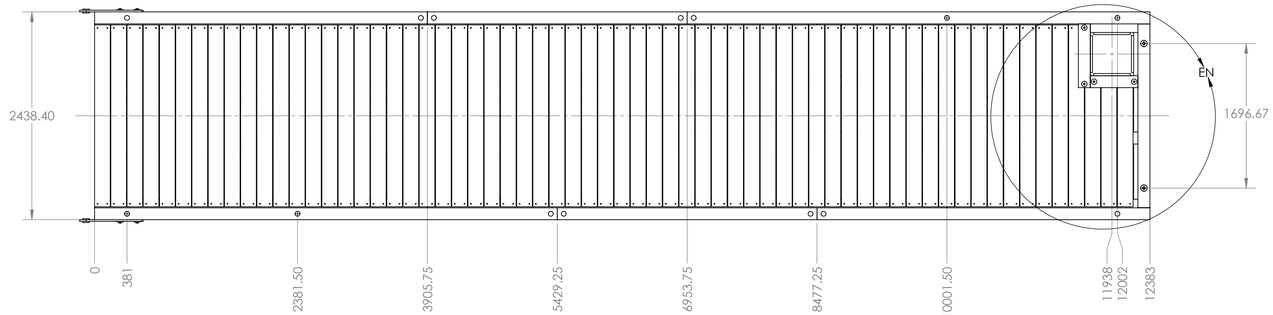

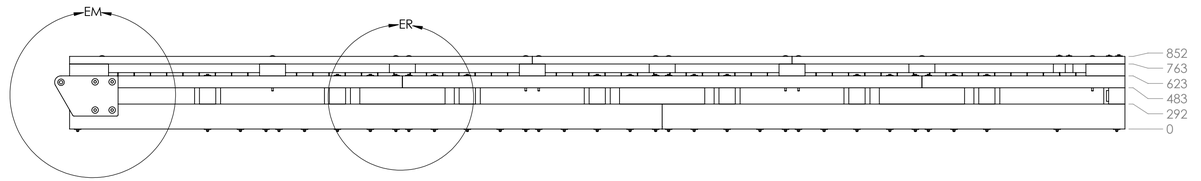

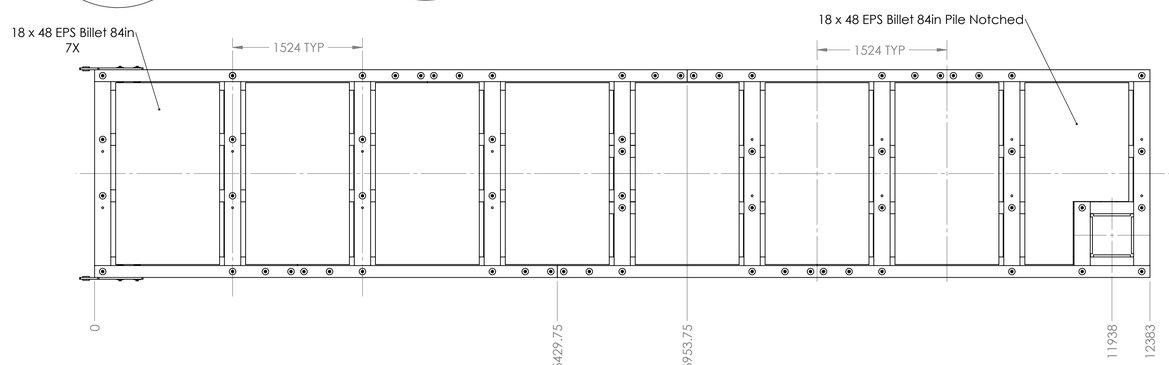

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

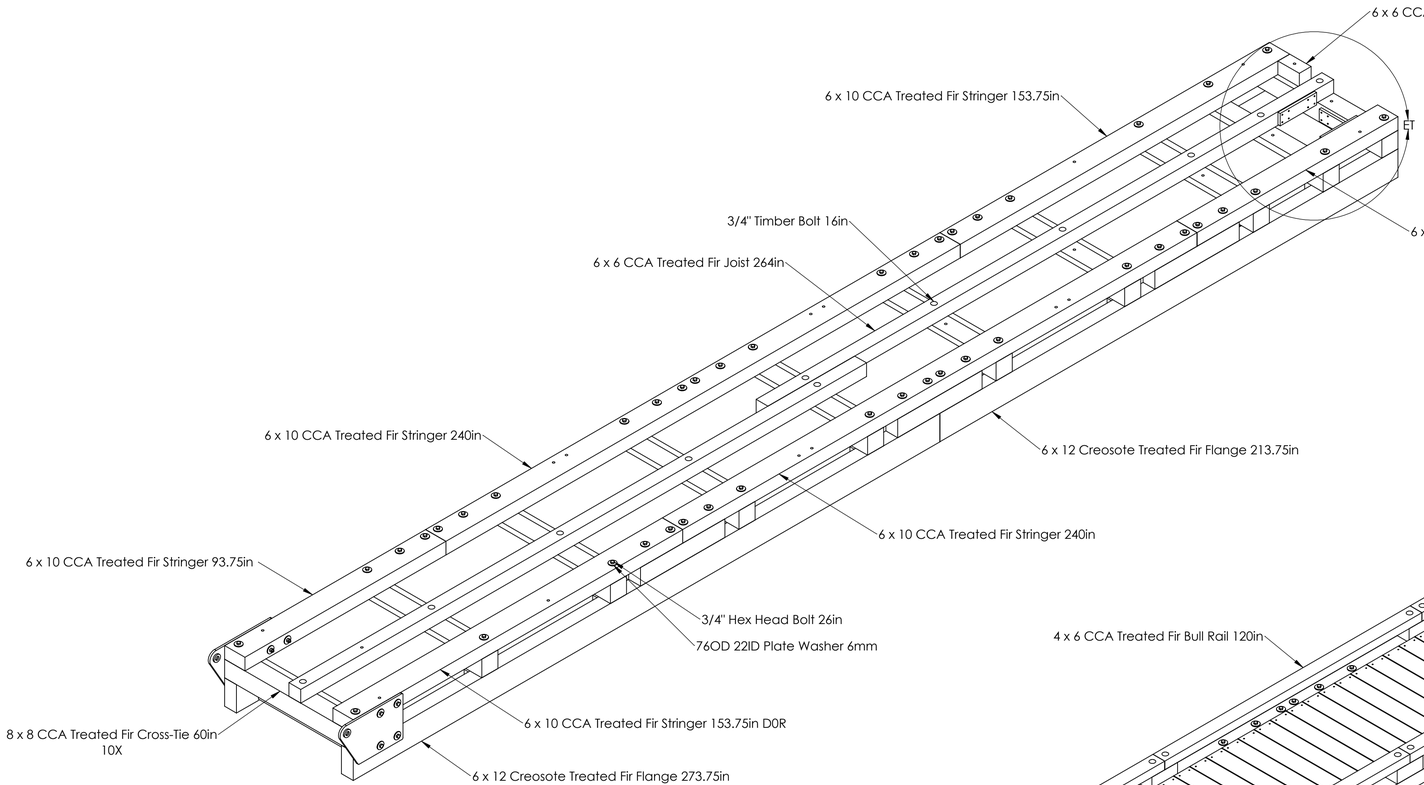
CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

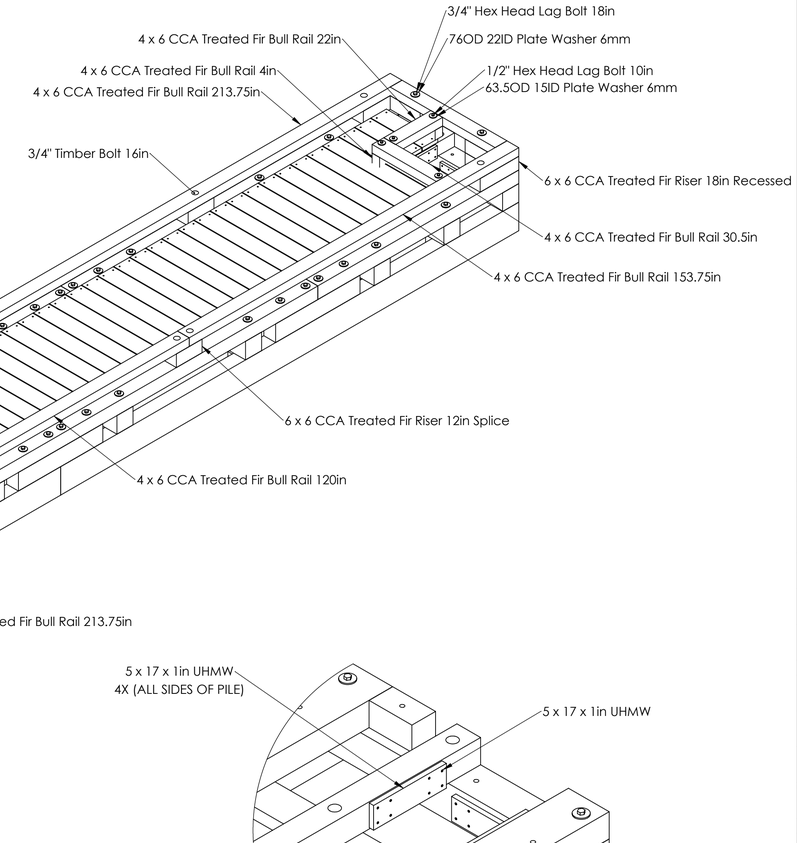
PROJECT TITLE: Dollarton Estates

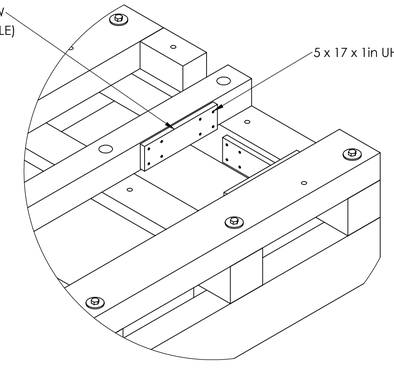
TITLE: 8ft x 40ft Float Finger

SHEET: Sheet 14 of 17

SIZE	SCALE	REV.
D	1:35	







DETAIL ET
SCALE 2 : 25

1. ALL TIMBER SHALL BE DOUGLAS FIR, No. 1 CONFORMING TO NLGA GRADING RULES FOR CANADIAN LUMBER.
2. TIMBER SHALL BE TREATED WITH ACZA PRESERVATIVE IN ACCORDANCE WITH CSA O80 USE CATEGORY UC5A - MINIMUM NET RETENTION 30.0kg/m3.
4. FLOATS SHALL BE ASSEMBLED USING BOLTS CONFORMING TO ASTM A307 AND SHALL BE PROVIDED HOT DIP GALVANIZED. REFER TO DRAWINGS FOR BOLTING DETAILS.
5. DECKING SHALL BE SUPPLIED AND INSTALLED IN CONTINUOUS LENGTHS - INTERMEDIATE JOINTS NOT PERMITTED. INSTALL DECKING BEST FACE UP AND ATTACH TO STRINGERS WITH STRONG DRIVE SWDS TIMBER SCREWS, 76mm LONG, DOUBLE BARRIER COATING OR APPROVED EQUIVALENT. TWO SCREWS PER CONTACT. PRE-DRILL DECK PLANKS TO PREVENT SPLITTING. MAXIMUM GAP BETWEEN ADJACENT DECK BOARDS AT INSTALLATION NOT TO EXCEED 3mm.
6. DOCK FLOATS TO BE ONE PIECE EXPANDED POLYSTYRENE (EPS) CONFORMING TO REQUIREMENTS OF CAN/ULC S701, TYPE 2. COAT EPS WITH SPRAY APPLIED POLYUREA MINIMUM 2mm THICKNESS.

KLA Engineering Ltd.
PO Box 21115
102 - 22441 Dewdney Trunk Road
Maple Ridge, BC V2X 1P7

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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

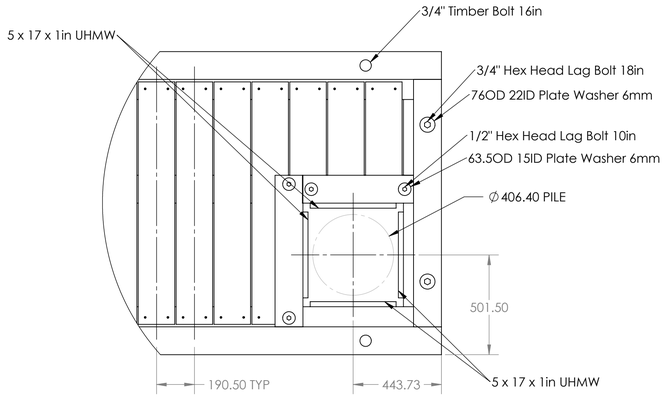
CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE: Dollarton Estates

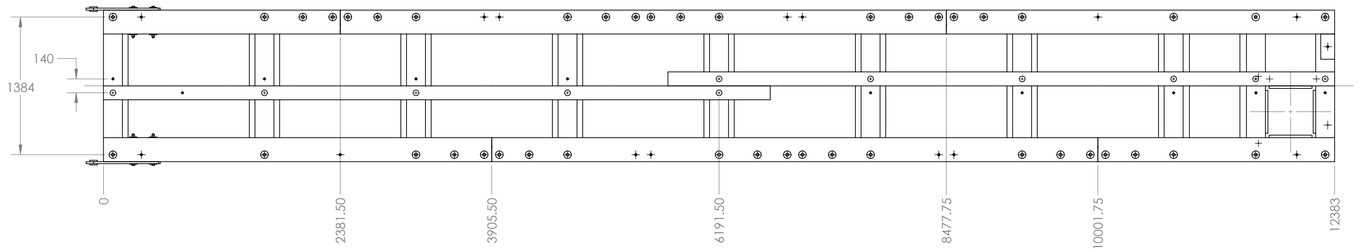
TITLE: 5ft x 40ft Float Finger

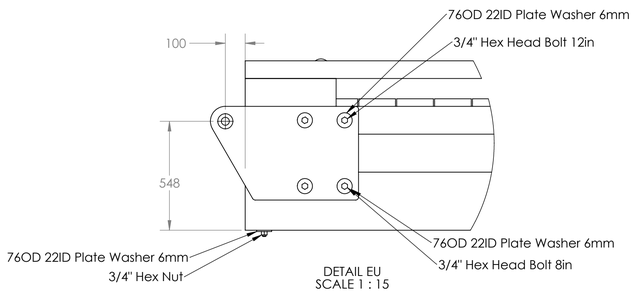
SHEET: Sheet 15 of 17

SIZE	SCALE	REV.
D	1:25	



DETAIL EW
SCALE 1 : 15





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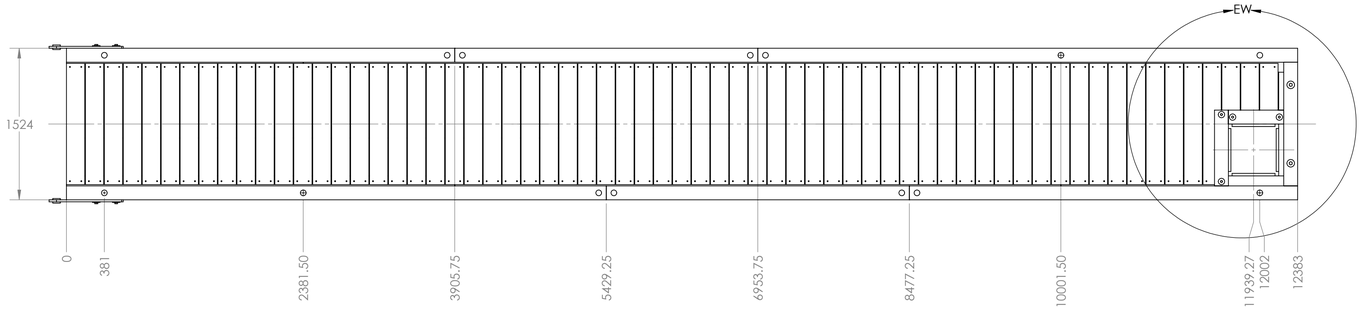
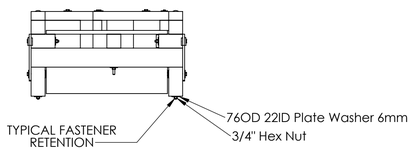
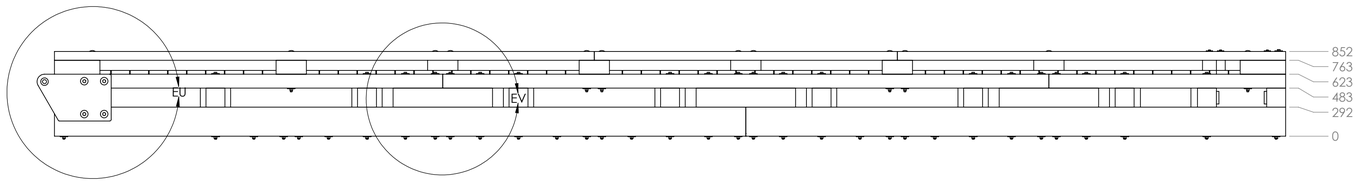
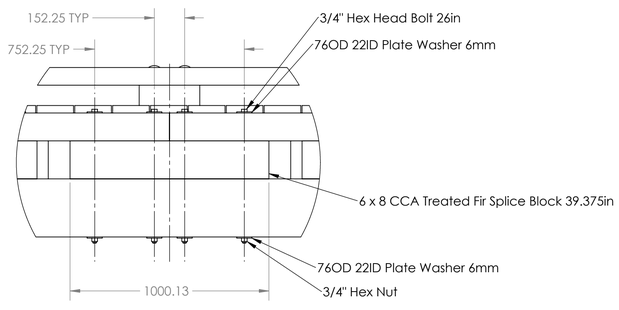
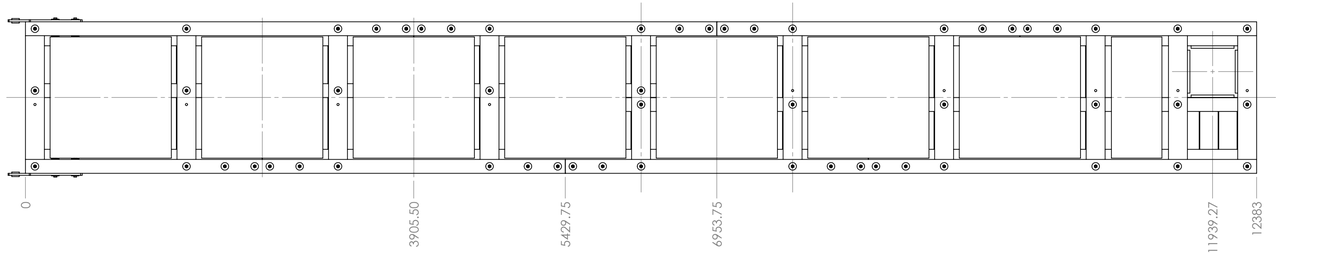








DETAIL EV
SCALE 1 : 15



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CONSULTANT SIGNATURE ONLY:

DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE: Dollarton Estates

TITLE: 5ft x 40ft Float Finger

SHEET: Sheet 16 of 17

SIZE	SCALE	REV.
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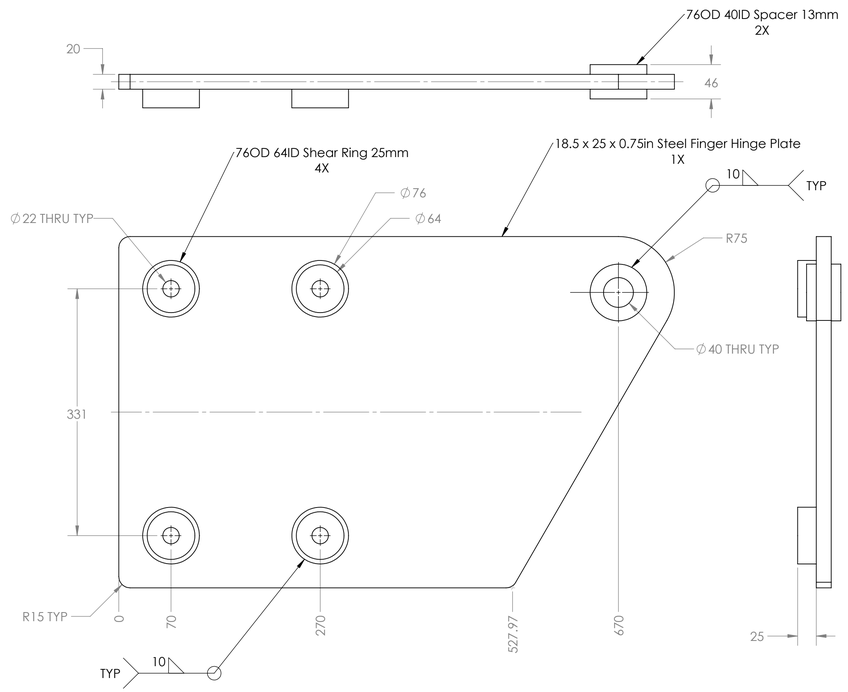

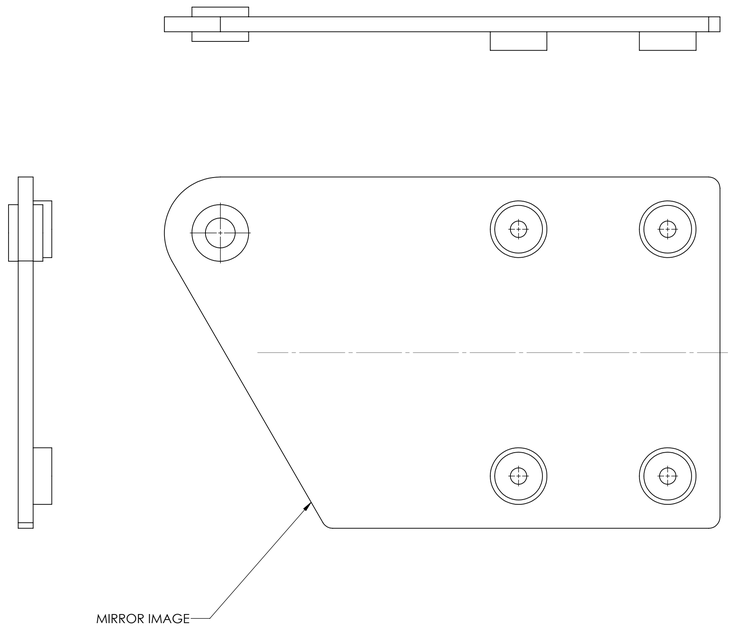

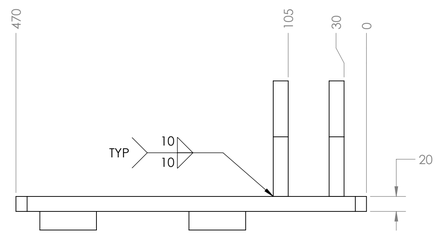

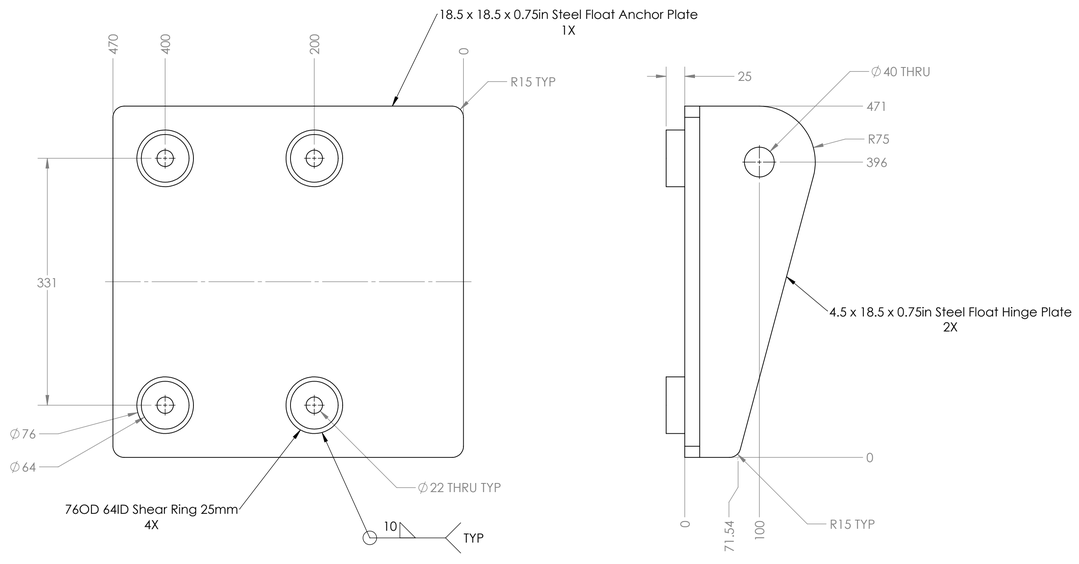

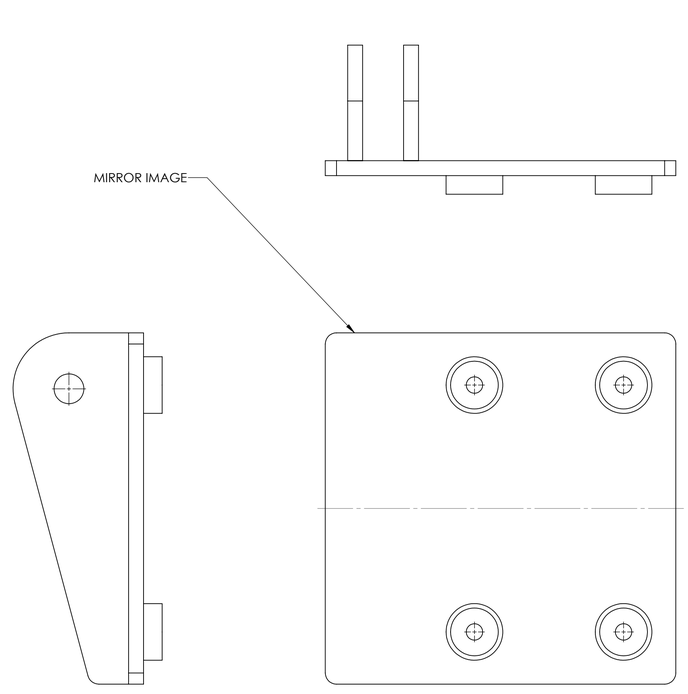

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DESIGNED BY: Ralph Everts

DRAWN BY: Ralph Everts

PROJECT MANAGER:

CLIENT:
Dollarton Estates
3715-3739 Dollarton Hwy.
North Vancouver, BC V7G 1A1

PROJECT TITLE: Dollarton Estates

TITLE: LH & RH Float Hinge Weldments

SHEET: Sheet 17 of 17

SIZE	SCALE	REV.
D	1:4	