

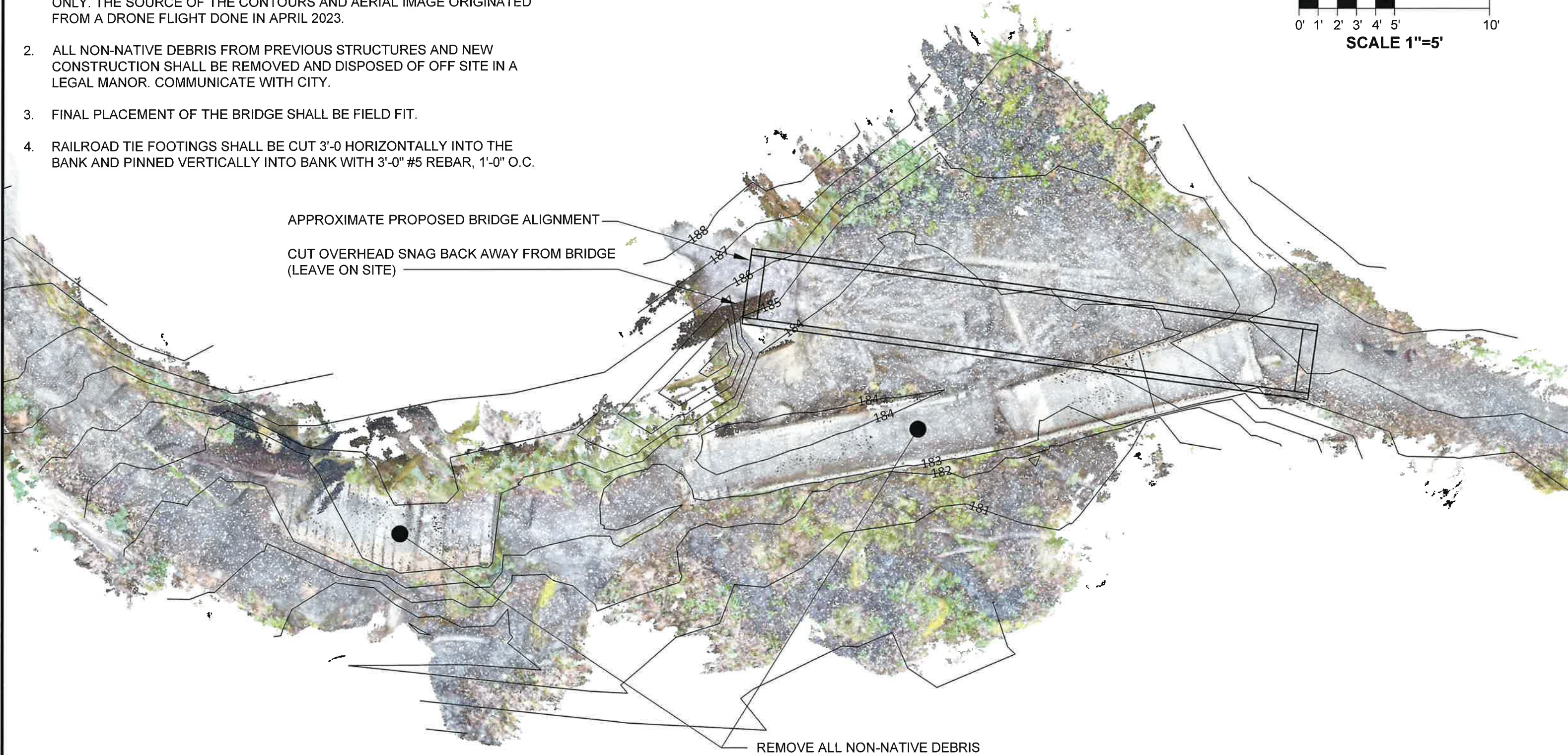
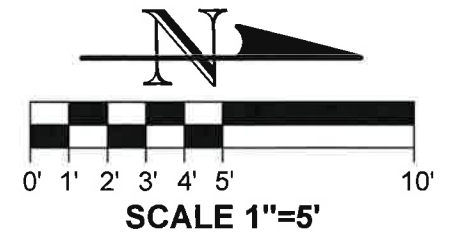
NOTES:

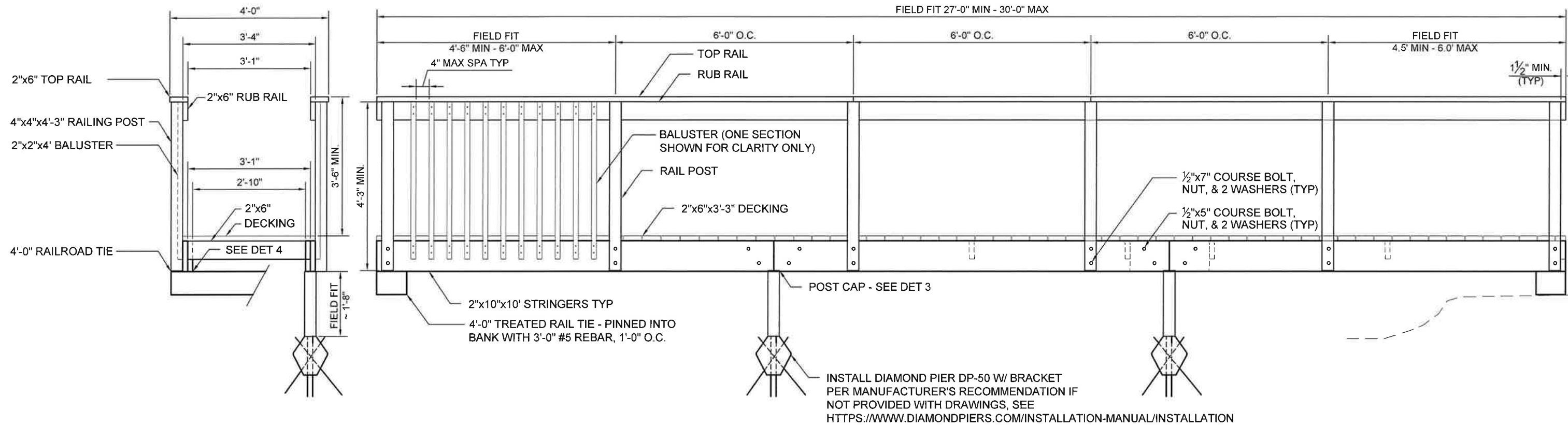
1. QUANTITIES GIVEN PROVIDE NO OVERAGE.
2. STAINLESS STEEL PARTS SHALL BE ORDERED UNLESS THERE IS LIMITED/NO AVAILABILITY, HOT DIPPED GALVANIZED MAY BE SUBSTITUTED.
3. ALL FASTENERS SHALL BE STAINLESS STEEL.
4. BRACKETS SHOWN ARE SIMPSON BRAND, COMPARABLE BRAND MAY BE SUBSTITUTED.
5. ALL WOOD SHALL BE PRESSURE TREATED, INCISED WHERE AVAILABLE.

MATERIAL LIST			
NO	ITEM	QUANTITY	NOTES
1	2"x10"x10' PRESSURE TREATED BEAM	7	STRINGERS
2	2"x6"x10' PRESSURE TREATED BEAM	10	JOIST/FLOOR SYSTEM
3	2"x6"x12' PRESSURE TREATED BEAM	10	TOP RAIL AND RUB RAIL
4	4"x4"x10' PRESSURE TREATED POST	7	RAILING POST - 12, BRIDGE SUPPORT POST - 1
5	2"x2"x8' PRESSURE TREATED SPINDLE	60	BALUSTER
6	8' RAILROAD TIE	1	BRIDGE FOOTING
7	LUS26 SS OR Z	46	DET 1 FACE MOUNT HANGER 2"x6"
8	LUC26 SS OR Z	4	DET 2 FLUSH MOUNT HANGER 2"x6"
9	PC4 SS OR Z	4	DET 3 POST CAP
10	HL55 SS OR Z	4	DET 4 ANGLE ANCHOR
11	10d x 1 1/2" NAIL SS OR GALV	500	DET 1, DET 2
12	10d x 2 1/2" NAIL SS OR GALV	72	DET 3
13	1/2"x2 1/2" COURSE HEX BOLT SS	16	DET 4
14	1/2"x5" COURSE HEX BOLT SS	16	SISTERED 2"x10" STRINGERS
15	1/2"x7" COURSE HEX BOLT SS	28	RAILING POST TO STRINGERS, PIER TO BRACKET
16	1/2" COURSE HEX NUT SS	60	EACH BOLT
17	1/2" x 1 1/4" FLAT WASHERS	120	WASHER EACH FACE
18	2 1/2" WOOD SCREW SS	1080	DECKING - 520, TOP RAIL - 40, RUB RAIL - 40, BALUSTER - 480
19	4 1/2" LAG SCREW SS	16	DET 4
20	20' #5 REBAR (3' LENGTHS)	1	RAILROAD TIE PINNING
21	DIAMOND PIER DP-50 W/ POST BRACKET	4	BRIDGE FOOTING
22	1 GAL. WOOD PRESERVATIVE	4	END TREATMENT

NOTES:

1. CONTOUR LINES ARE APPROXIMATE AND FOR VISUAL REPRESENTATION ONLY. THE SOURCE OF THE CONTOURS AND AERIAL IMAGE ORIGINATED FROM A DRONE FLIGHT DONE IN APRIL 2023.
2. ALL NON-NATIVE DEBRIS FROM PREVIOUS STRUCTURES AND NEW CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF OFF SITE IN A LEGAL MANOR. COMMUNICATE WITH CITY.
3. FINAL PLACEMENT OF THE BRIDGE SHALL BE FIELD FIT.
4. RAILROAD TIE FOOTINGS SHALL BE CUT 3'-0" HORIZONTALLY INTO THE BANK AND PINNED VERTICALLY INTO BANK WITH 3'-0" #5 REBAR, 1'-0" O.C.





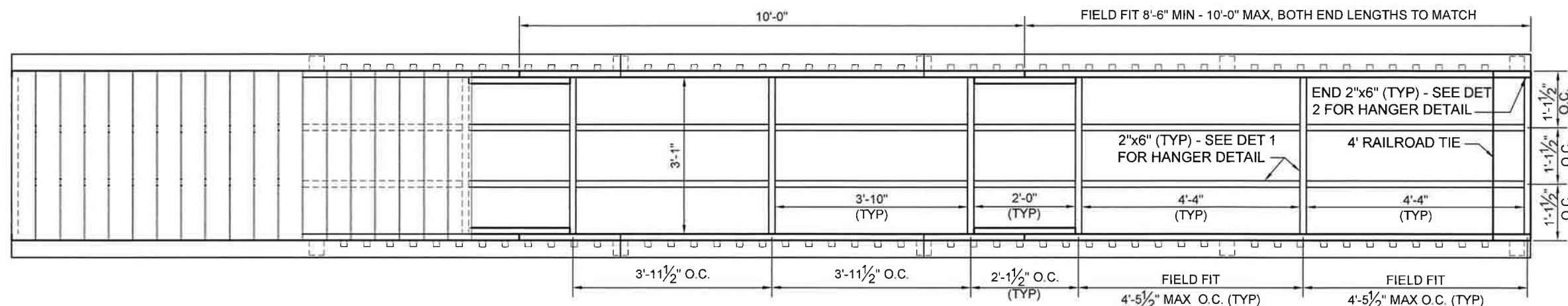
END VIEW / SECTION

ELEVATION VIEW

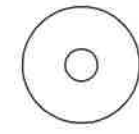
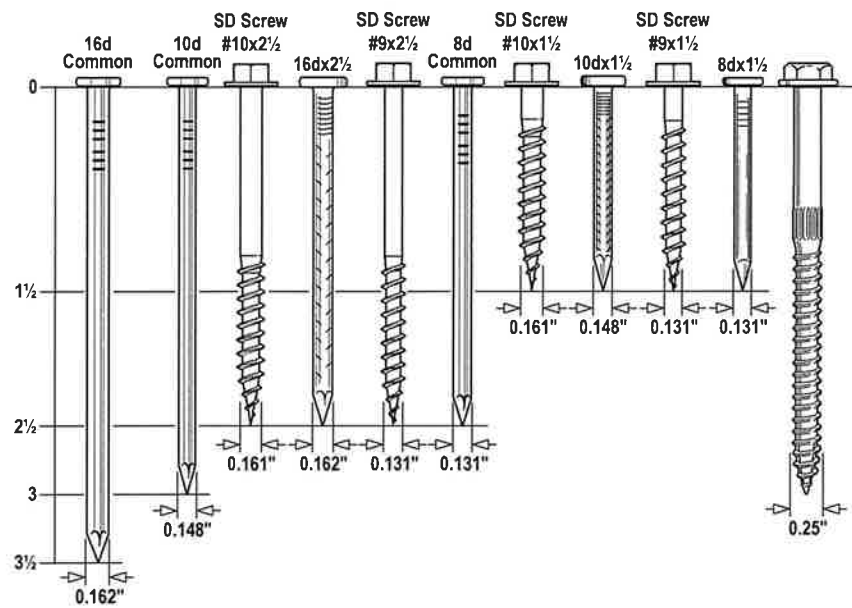
NOTE:
REPEATED DECKING AND BALUSTERS
NOT SHOWN FOR CLARITY.

GENERAL NOTES:

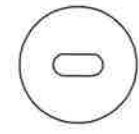
1. BALUSTER SHALL BE FASTENED WITH 2 SCREWS INTO THE STRINGER AND 2 SCREWS INTO RUB RAIL.
2. RUB RAIL AND TOP RAIL SHALL BE FASTENED WITH 2 SCREWS EACH END TO RAIL POST.
3. EACH DECK BOARD SHALL BE FASTENED IN 2 PLACES INTO EACH CROSSING STRUCTURAL MEMBER (8 PLACES TOTAL).
4. ALL THROUGH BOLTS/NUTS SHALL HAVE WASHERS EACH FACE.
5. WHEN POSSIBLE OFFSET SCREW/BOLT HOLES TO REDUCE CHANCE OF SPLITTING.
6. PILOT DRILL HOLES WHERE NECESSARY.
7. DECK BOARDS SHALL BE SPACED AT 1/4" GAP.
8. PAINT ALL CUT ENDS WITH WOOD PRESERVATIVE.
9. ALL BRACKET INSTALLATION SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS.



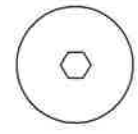
PLAN VIEW



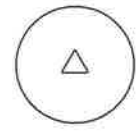
Round Holes
Purpose: to fasten a connector.
Fill requirements: always fill, unless noted otherwise.



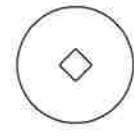
Obround Holes
Purpose: to make fastening a connector in a tight location easier.
Fill requirements: always fill.



Hexagonal Holes
Purpose: to fasten a connector to concrete or masonry.
Fill requirements: always fill when fastening a connector to concrete or masonry.



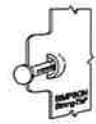
Triangular Holes
Purpose: to increase a connector's strength or to achieve Max strength.
Fill requirements: when the designer specifies Max nailing.



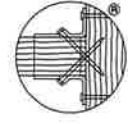
Diamond Holes
Purpose: to temporarily fasten a connector to make installing easier.
Fill requirements: none.



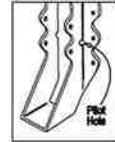
Speed Prongs
 Used to temporarily position and secure the connector for easier and faster installation.



Dome Nailing
 This feature guides the nail into the joist and header at a 45° angle.



Double Shear Nailing
 The nail is installed in the joist and header, distributing the load through two points on each joist nail for greater strength.



Pilot Holes
 Tooling holes for manufacturing purposes. No fasteners required.

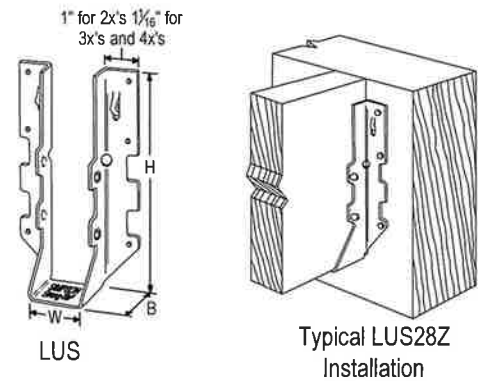
Fastening Identification

Fastener Notes:

- The specified quantity, type and size of fastener must be installed in the correct holes on the connector to achieve published loads. Incorrect fastener selection or installation can compromise connector performance and could lead to failure.
- Nail diameter assumes no coating. See technical bulletin *T-NAILGUIDE* for more information.
- The Simpson Strong-Drive® SD structural-connector screw is the only screw approved for use with our connectors.
- NAIL reference in tables:** 16d = 16d common, 10d = 10d common

FASTENER GUIDE

NOTE: NOT ALL FASTENERS STYLES WILL BE USED



Installation:

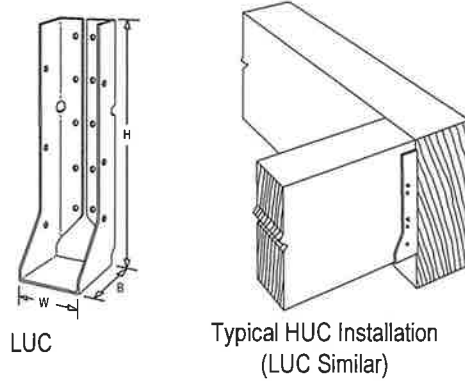
- LUS hangers install with double shear nailing.
- For installations into single 2x headers or ledgers, use the specified full length fasteners into the joist and the following fasteners into the header for reduced loads in accordance with www.strongtie.com:
 - 10dx1 1/4 nails for installations with Nails
 - SD #9x1 1/2 for LUS28Z and LUS210Z installations with SD Screws
 - SD #10x1 1/2 for LUS26-2Z and LUS210-2Z installations with SD Screws

Model No.	Dimensions (in.)			Fasteners			
				Nails		SD Screws	
	W	H	B	Header	Joist	Header	Joist
LUS26Z	1 9/16	4 3/4	1 3/4	4-10d	4-10d	-	-

- indicates connector is available in stainless steel. Replace Z in model number with SS when ordering.
- Refer to current *Wood Construction Connectors* catalog for additional information.

DET 1: FACE MOUNT HANGER
2"x6" TO 2"x6" OR 2"x10"

46 LOCATIONS
 10 - 10d x 1 1/2 NAILS (INCLUDING SHEER NAILS)



Installation:

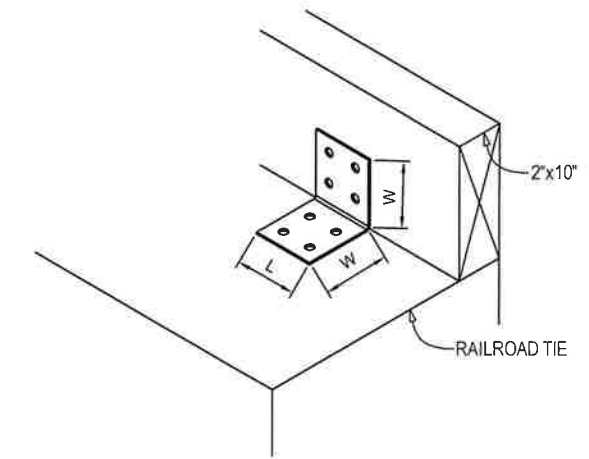
- For HUC installations, models have triangle and round holes. To achieve maximum loads, fill both round and triangle holes (fastener quantities listed fill both holes).
- For installations into single 2x headers or ledgers, use the specified full length fasteners into the joist and the following fasteners into the header for reduced loads in accordance with www.strongtie.com:
 - 10dx1 1/4 nails for installations with Nails
 - SD #9x1 1/2 for LUC26Z and LUC210Z installations with SD Screws

Model No.	Dimensions (in.)			Fasteners			
				Nails		SD Screws	
	W	H	B	Header	Joist	Header	Joist
LUC26Z	1 9/16	4 3/4	1 3/4	6-10d	4-10dx1 1/2	6 SD #9x2 1/2	4 SD #9x1 1/2

- indicates connector is available in stainless steel. Replace Z in model number with SS when ordering.
- Refer to current *Wood Construction Connectors* catalog for additional information.

DET 2: FLUSH MOUNT HANGER
2"x6" TO 2"x10"

4 LOCATIONS
 10 - 10d x 1 1/2 NAILS

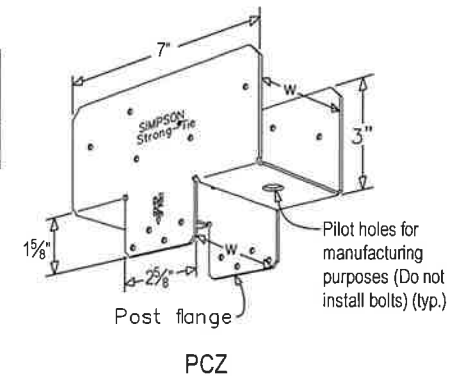


Model No.	Ga.	L	W (in.)	Fastener	
				Railroad Tie	2x10
HL55	7	5	5 3/4	1/2"x4" Lag	1/2" x 2 1/2" Hex

DET 4: ANCHOR ANGLE
RAILROAD TIE TO 2"x10"

4 LOCATIONS
 4 - 1/2"x2 1/2" COURSE HEX BOLT
 4 - 1/2" COURSE HEX NUT
 12 - 1/2"x1 1/4" FLAT WASHERS
 4 1/2" LAG SCREW

Model No. ¹	W (in.)	Fasteners ^{2,3}		Post Size
		Beam	Post	
PC4Z	3 9/16	(10) 10d	(8) 10d	4x4



- Post and beam may consist of multiple members provided they are connected independently of the post cap fasteners.
- 10d x 2 1/2" (0.148" dia. x 2 1/2" long) nails may be used with no load reduction for uplift and 0.85 of the table loads for lateral.
- Strong-Drive® SD9 x 1 1/2" Connector screws may be substituted for table fasteners with no load reduction.

DET 3: POST CAP
4"x4" TO SISTERED 2"x10"

4 LOCATIONS
 18 - 10d x 2 1/2 NAIL