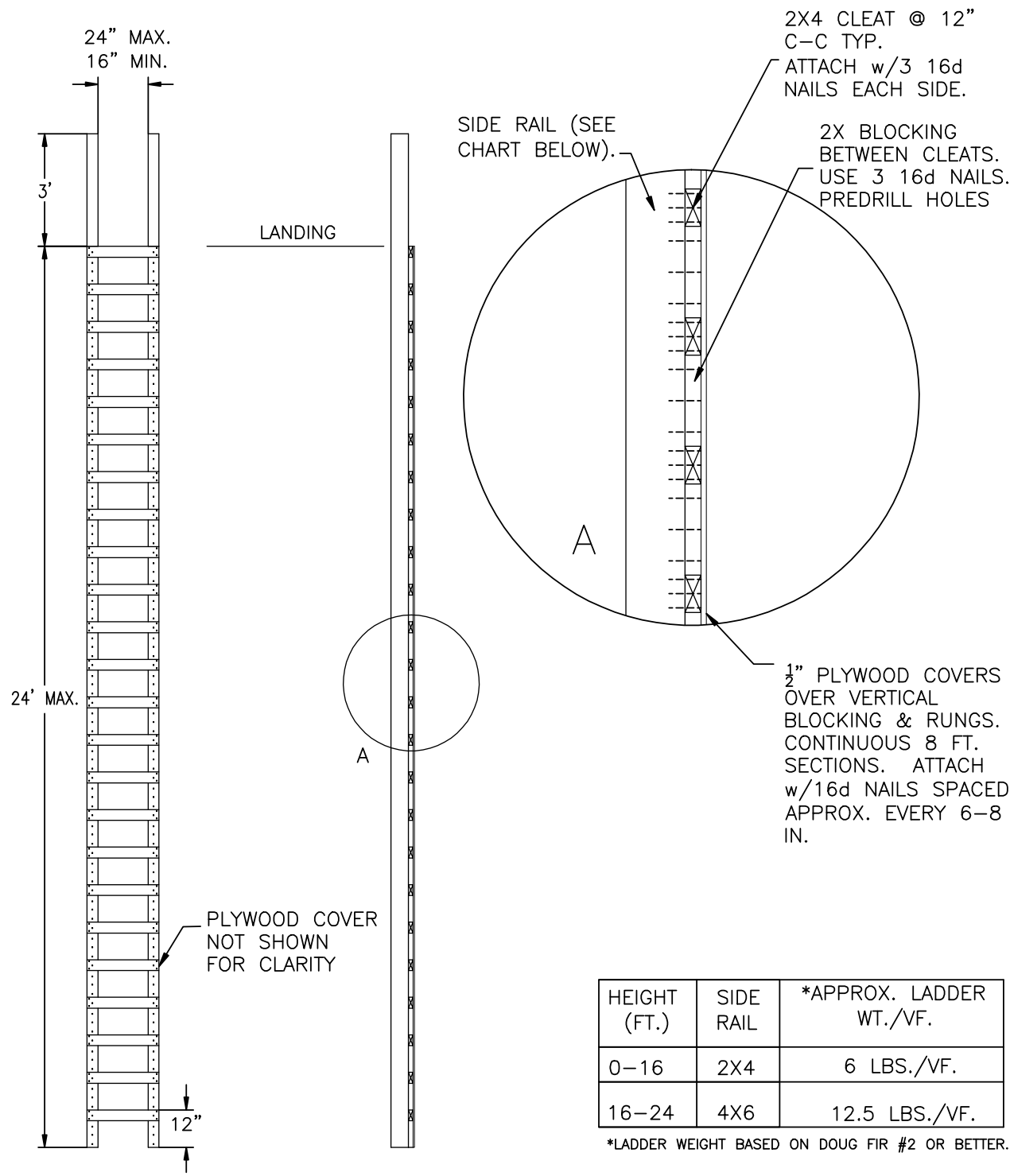


JOBSITE ACCESS - LADDER



- NOTES:
- 1 REF. STANDARDS: ANSI A14.4-1992
 - 2 LUMBER SHALL BE 1200 PSI. MIN. FIBER STRESS BENDING.
 - 3 INSPECT LUMBER FOR DEFECTS PRIOR TO USE.
 - 4 USE DOUG FIR #2 OR BETTER FOR DIMENSIONAL LUMBER.

 **Kiewit**

BRIDGE & MARINE
2215 E. 1st STREET VANCOUVER, WA

SCALE: NTS	DATE: 3/1/10	DRAWN BY: ER MW	CHECKED BY: TM
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SUBJECT
SINGLE CLEAT LADDER FABRICATION DETAIL

PROJECT FOREMAN BOOK	DWG. NO. 1	REV 1
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DETAIL DRAWINGS

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REV	DATE	DESCRIPTION	APPROVED	
0	12/21/06	APPROVED FOR USE	SM	RS

DATA SHEET

USE

THIS TYPE OF LADDER IS USED IN A SEMI-PERMANENT APPLICATION FOR IMPROVED STABILITY OVER EXTENSION LADDERS.

DESIGN

USE BY ONE PERSON AT A TIME

STANDARDS MET BY LATEST REVISION

WISHA WAC 296-876

WISHA WAC 296-155-480

ANSI A14.4-2002

OSHA 1910.25

SPECIFICATIONS

0-14FT LADDERS - USE 2x4 RAILS

14-24FT LADDERS - USE 2x6 RAILS

NOTES

USE LUMBER W/ $F_b=1200$ psi MIN

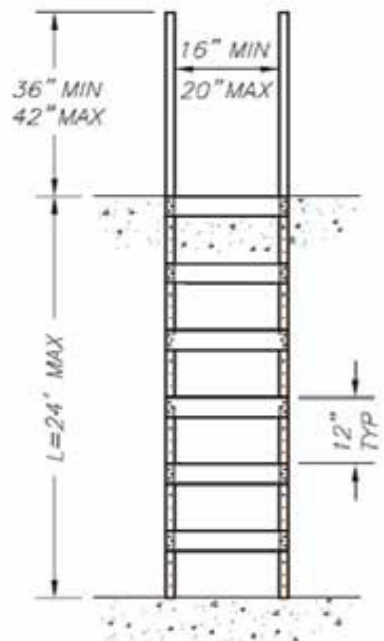
(DOUG-FIR OR HEM-FIR #2 MIN)

SECURE LADDER AT TOP AND BOTTOM

LIMIT THE PITCH TO $H/L = 1/4$ OR LESS
OR $1/8$ FOR SPLICED RAIL LADDERS

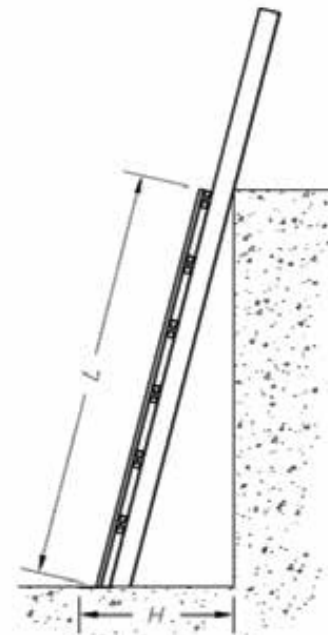


INSTALLATION DRAWING



FRONT ELEVATION

SCALE: $\frac{3}{8}''=1'-0''$

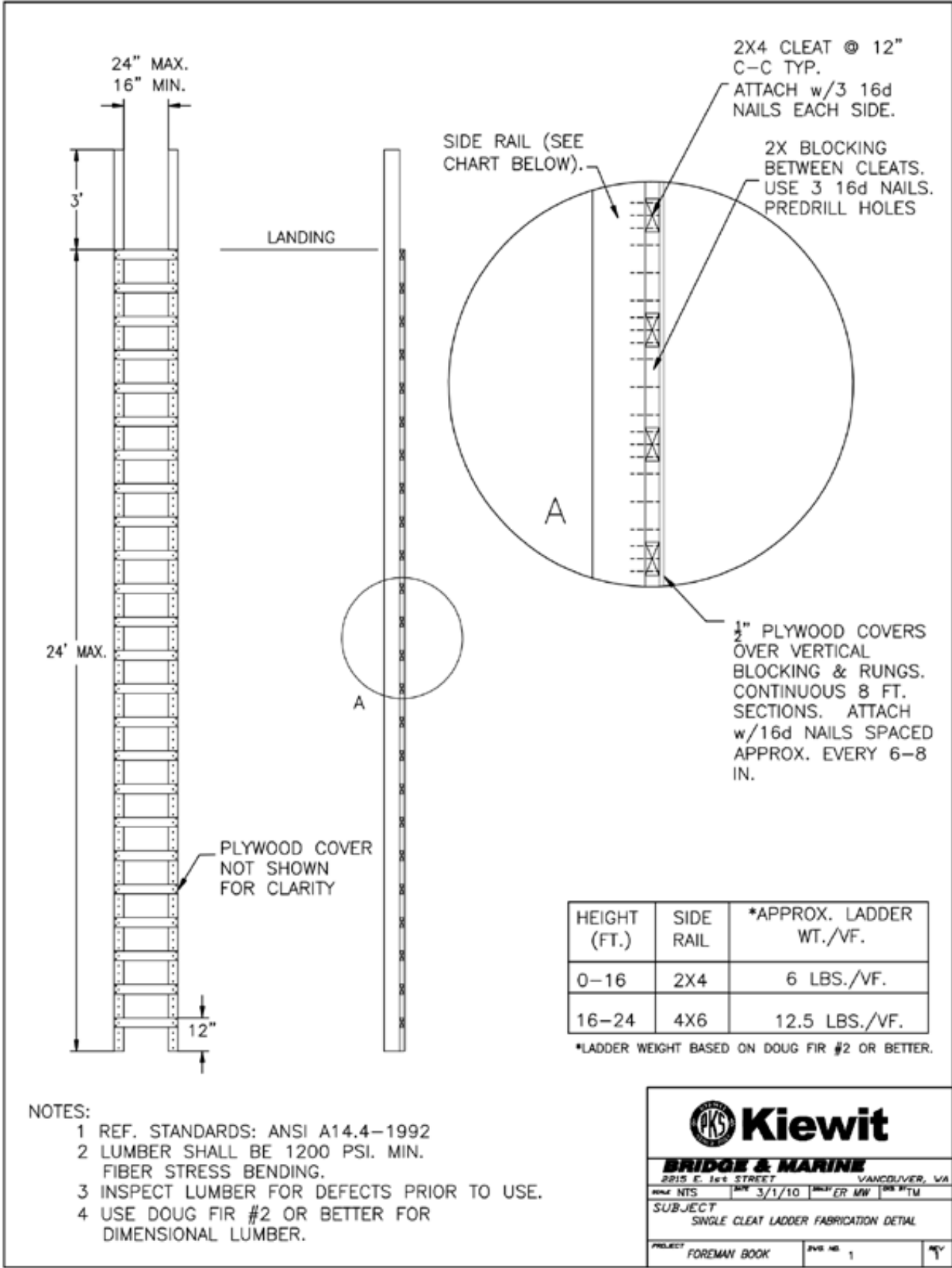


SIDE ELEVATION

SCALE: $\frac{3}{8}''=1'-0''$

Reference

DETAIL DRAWINGS



DETAIL DRAWINGS

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REV	DATE	DESCRIPTION	APPROVED
0	12/21/06	APPROVED FOR USE	SM RS

DATA SHEET

USE

THIS TYPE OF LADDER IS USED IN A SEMI-PERMANENT APPLICATION FOR TRAFFIC IN BOTH DIRECTIONS SIMULTANEOUSLY.

DESIGN

ONE PERSON IN EACH LANE

STANDARDS MET BY LATEST REVISION

WISHA WAC 296-876

WISHA WAC 296-155-480

ANSI A14.4-2002

OSHA 1910.25

SPECIFICATIONS

0-12FT LADDERS - USE 2x4 RAILS

12-20FT LADDERS - USE 2x6 RAILS

20-24FT LADDERS - USE 2x8 RAILS

NOTES

USE LUMBER W/ $F_b=1200$ psi MIN

(DOUG-FIR OR HEM-FIR #2 MIN)

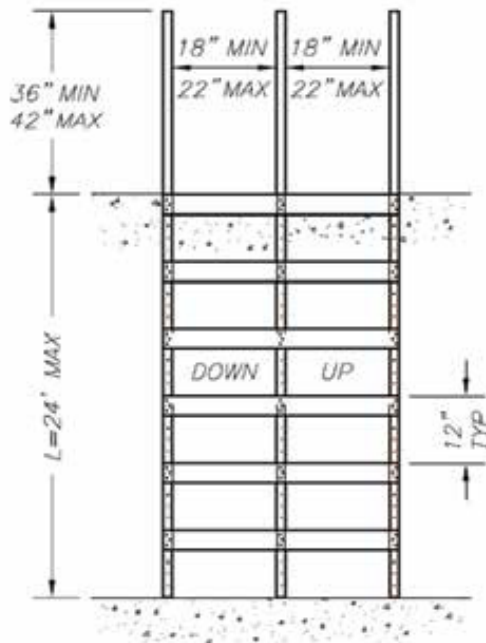
SECURE LADDER AT TOP AND BOTTOM

LIMIT THE PITCH TO $H/L = 1/4$ OR LESS
OR $1/8$ FOR SPLICED RAIL LADDERS



INSTALLATION DRAWING

Reference



FRONT ELEVATION

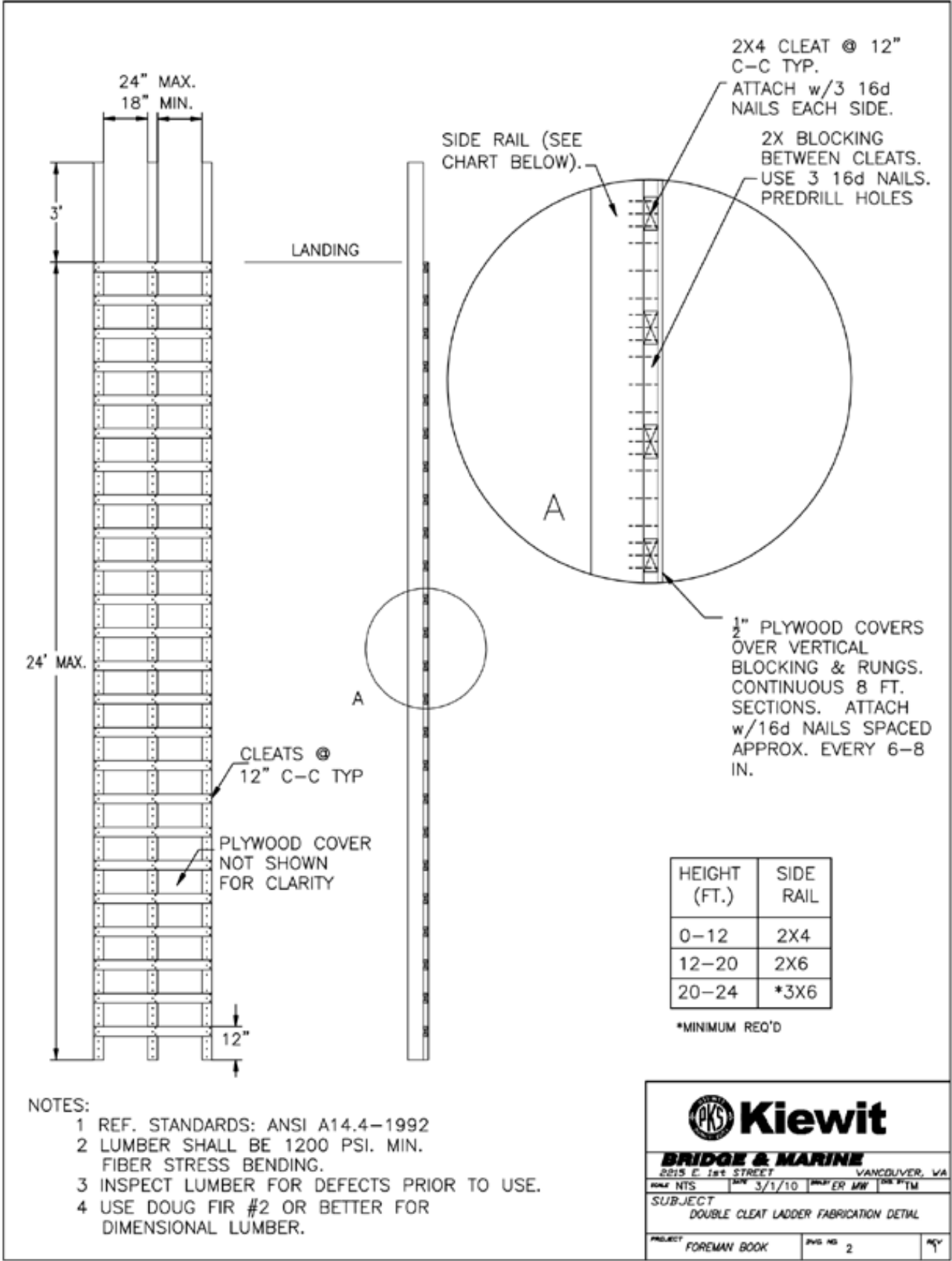
SCALE: $\frac{3}{8}"=1'-0"$



SIDE ELEVATION

SCALE: $\frac{3}{8}"=1'-0"$

DETAIL DRAWINGS

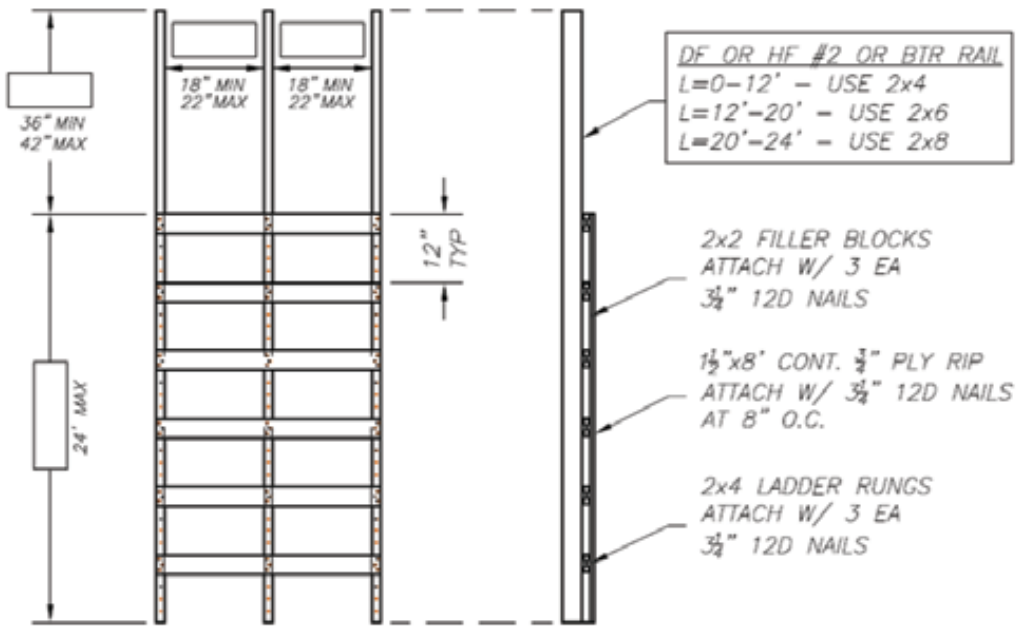


DETAIL DRAWINGS

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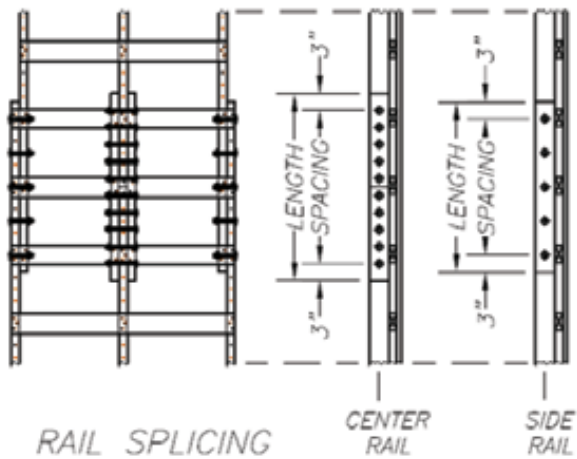
REV	DATE	DESCRIPTION	APPROVED	
0	12/21/08	APPROVED FOR USE	SM	RS

FABRICATION DRAWING



DOUBLE CLEAT LADDER FABRICATION

SCALE: 3/8"=1'-0"



SCALE: 3/8"=1'-0"

NOTES

1. SPLICE WITH 1/2" A307 CARRIAGE BOLTS W/ 2 NUTS & LOCK WASHER ALL LOCATIONS.
2. LOCATE SPLICE AS CLOSE TO TOP OF LADDER AS POSSIBLE.
3. NARROW LADDER SECTION TOWARDS TOP.
4. LIMIT PITCH ON SPLICED LADDERS TO 1/8.

SPLICE	LENGTH	SPACING
2x4 SIDE	30"	5 BOLTS @ 6" OC
2x4 CENTER	33"	10 BOLTS @ 3" OC
2x6 SIDE	48"	8 BOLTS @ 6" OC
2x6 CENTER	51"	16 BOLTS @ 3" OC
2x8 SIDE	60"	10 BOLTS @ 6" OC
2x8 CENTER	63"	20 BOLTS @ 3" OC

Reference