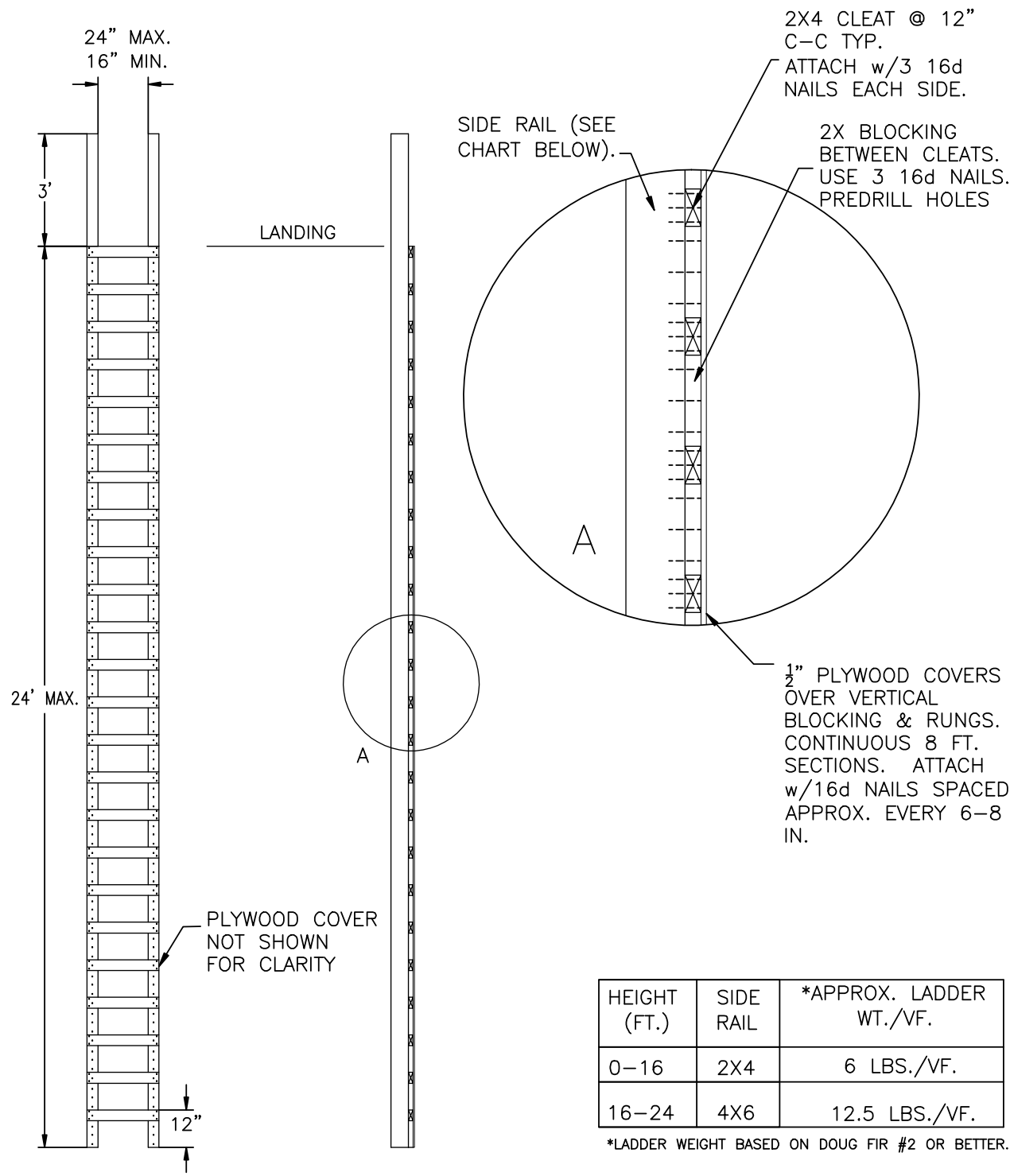


JOBSITE ACCESS - LADDER



- 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 DESIGNED BY: ER MW CHECKED BY: TM

SUBJECT
SINGLE CLEAT LADDER FABRICATION DETAIL

PROJECT: FOREMAN BOOK DWG. NO.: 1 REV: 1

DETAIL DRAWINGS

THIS DRAWING IS THE PHYSICAL AND INTELLECTUAL PROPERTY OF GENERAL CONSTRUCTION COMPANY. THE INFORMATION SHOWN SHALL NOT BE USED OR REPRODUCED WITHOUT OUR WRITTEN PERMISSION NOR RELEASED UNDER THE FREEDOM OF INFORMATION ACT.

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

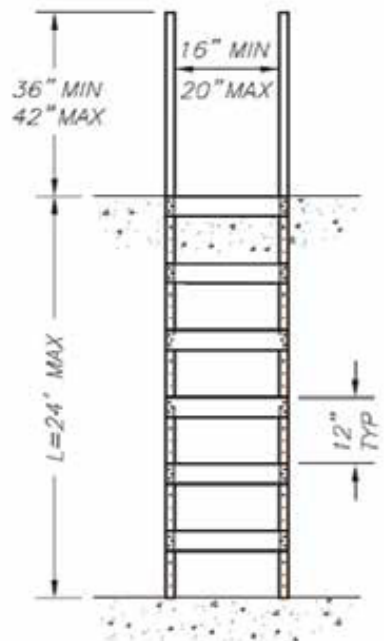
14-24FT LADDERS - USE 2x6 RAILS

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

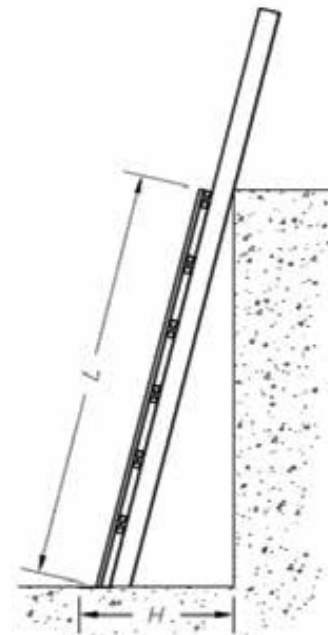


INSTALLATION DRAWING



FRONT ELEVATION

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

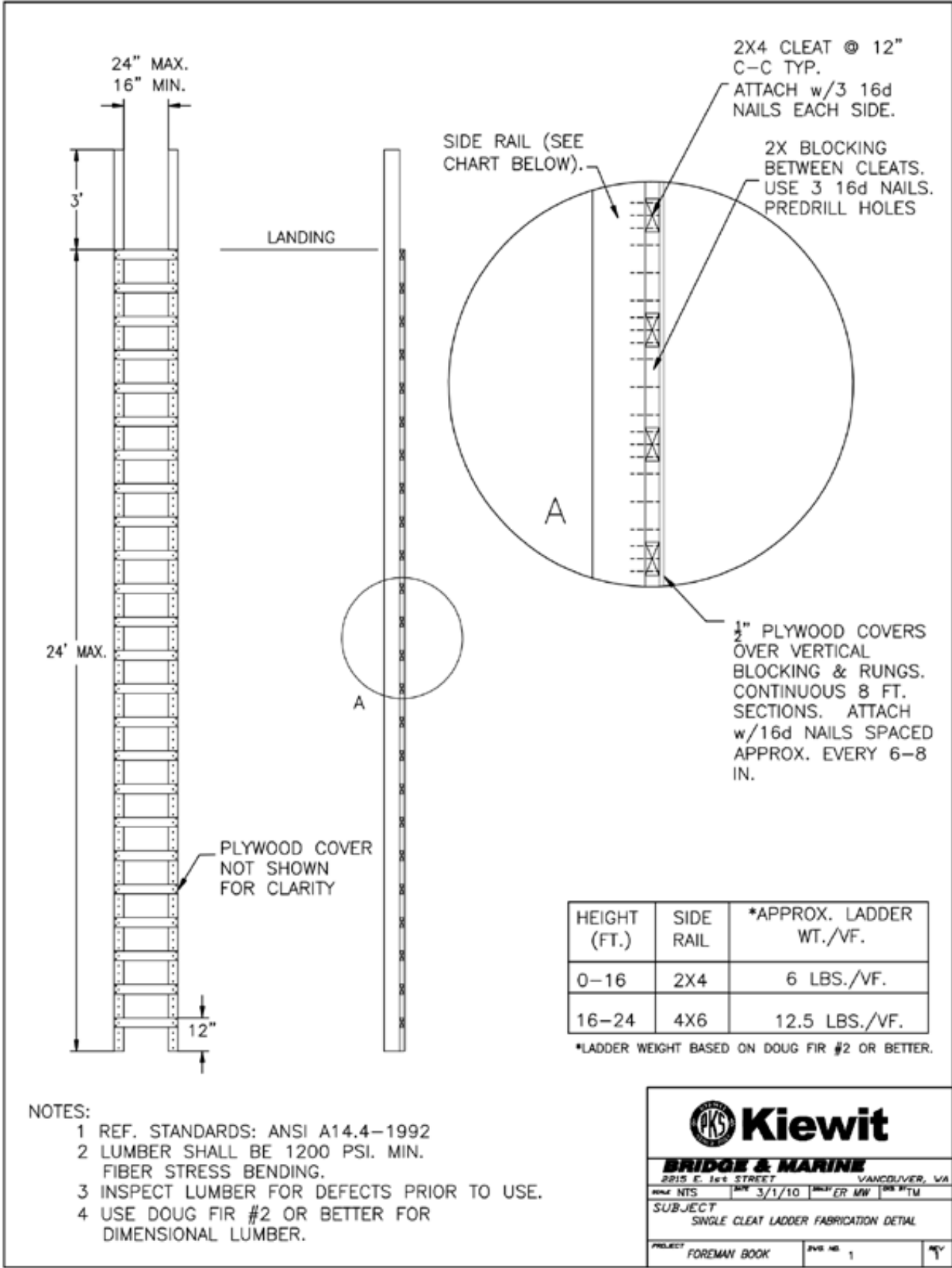


SIDE ELEVATION

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

Reference

DETAIL DRAWINGS



DETAIL DRAWINGS

THIS DRAWING IS THE PHYSICAL AND INTELLECTUAL PROPERTY OF GENERAL CONSTRUCTION COMPANY. THE INFORMATION SHOWN SHALL NOT BE USED OR REPRODUCED WITHOUT OUR WRITTEN PERMISSION NOR RELEASED UNDER THE FREEDOM OF INFORMATION ACT.

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)

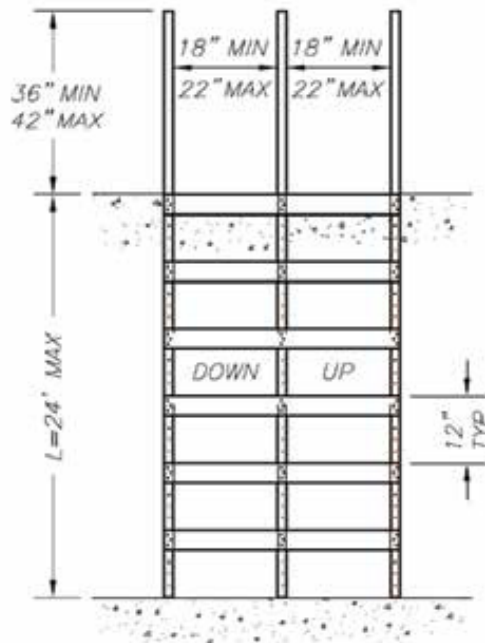
SECURE LADDER AT TOP AND BOTTOM

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



INSTALLATION DRAWING

Reference



FRONT ELEVATION

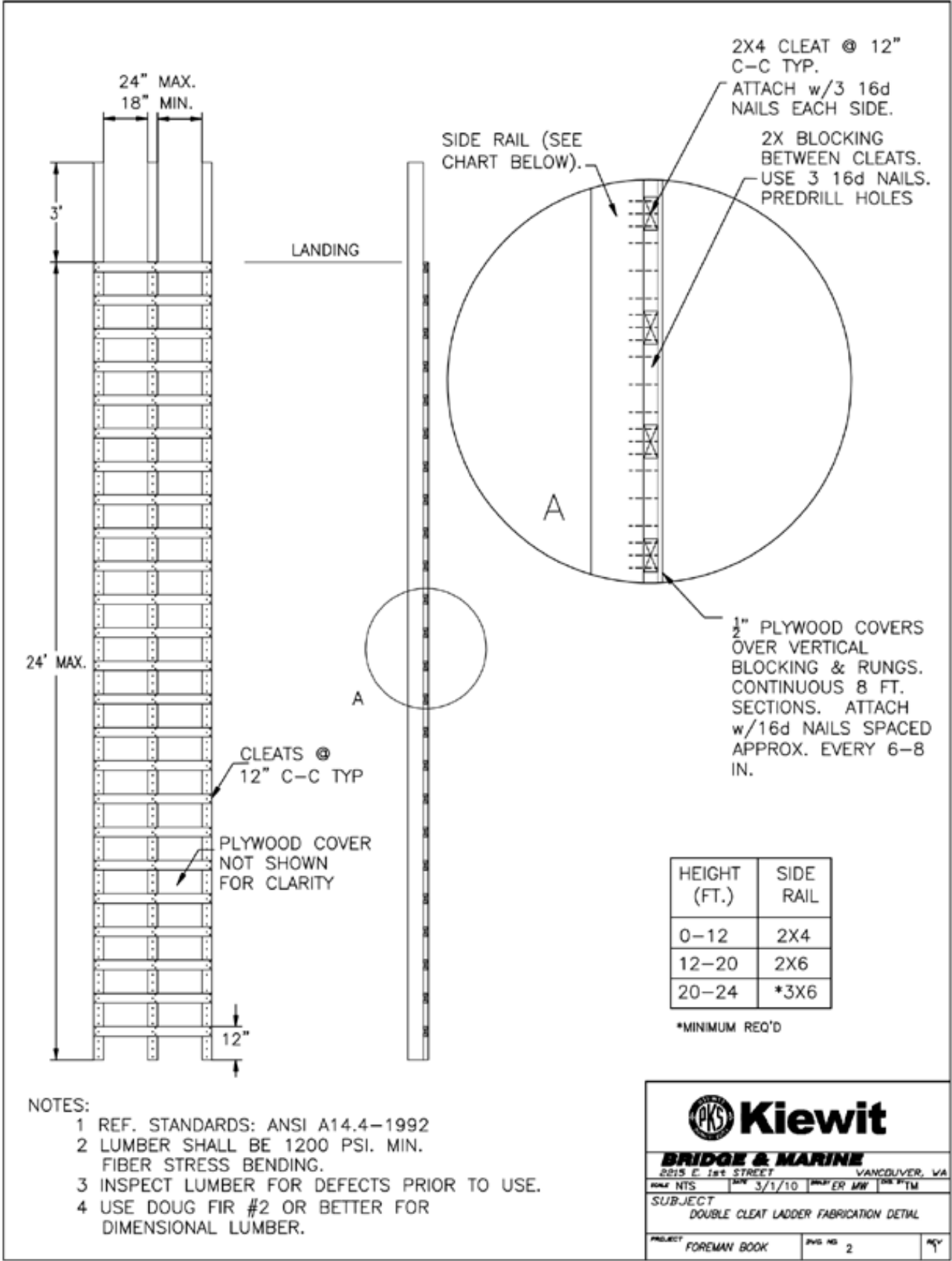
SCALE: $\frac{3}{8}" = 1'-0"$



SIDE ELEVATION

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

DETAIL DRAWINGS

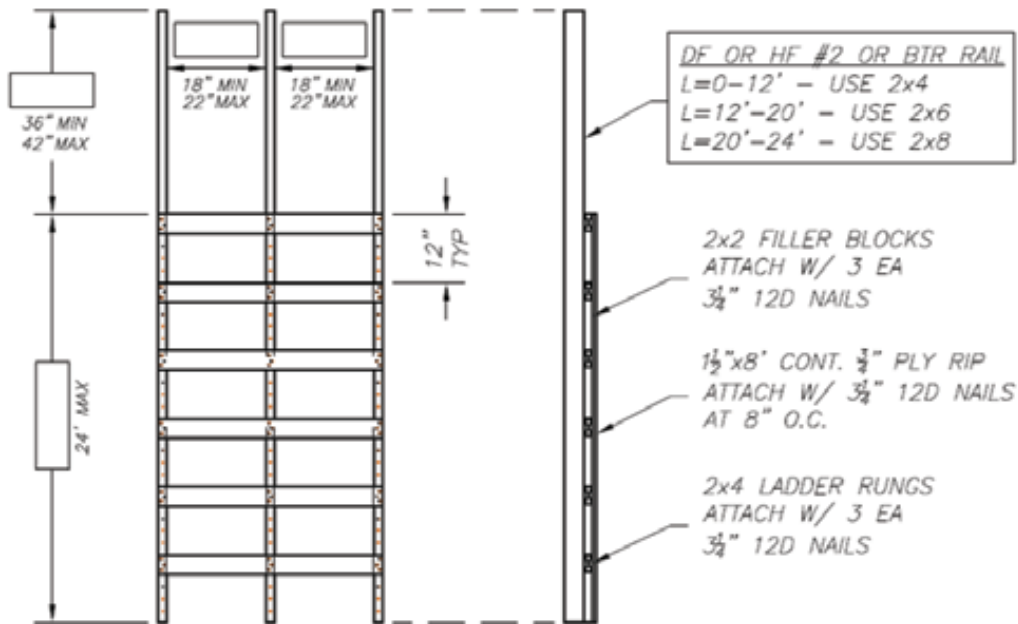


DETAIL DRAWINGS

THIS DRAWING IS THE PHYSICAL AND INTELLECTUAL PROPERTY OF GENERAL CONSTRUCTION COMPANY. THE INFORMATION SHOWN SHALL NOT BE USED OR REPRODUCED WITHOUT OUR WRITTEN PERMISSION NOR RELEASED UNDER THE FREEDOM OF INFORMATION ACT.

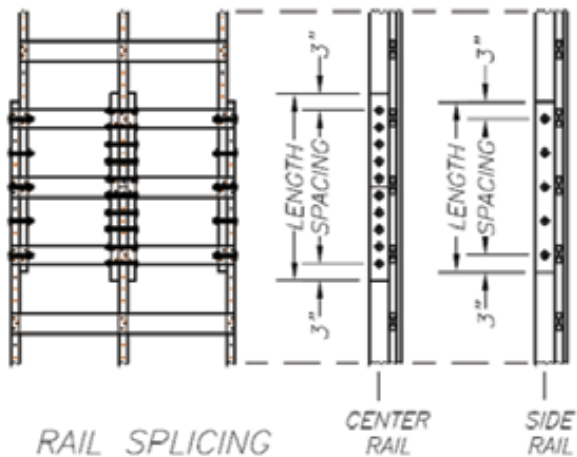
REV	DATE	DESCRIPTION	APPROVED	
0	12/21/08	APPROVED FOR USE	SM	RS

FABRICATION DRAWING



DOUBLE CLEAT LADDER FABRICATION

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



RAIL SPLICING

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

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

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.

Reference