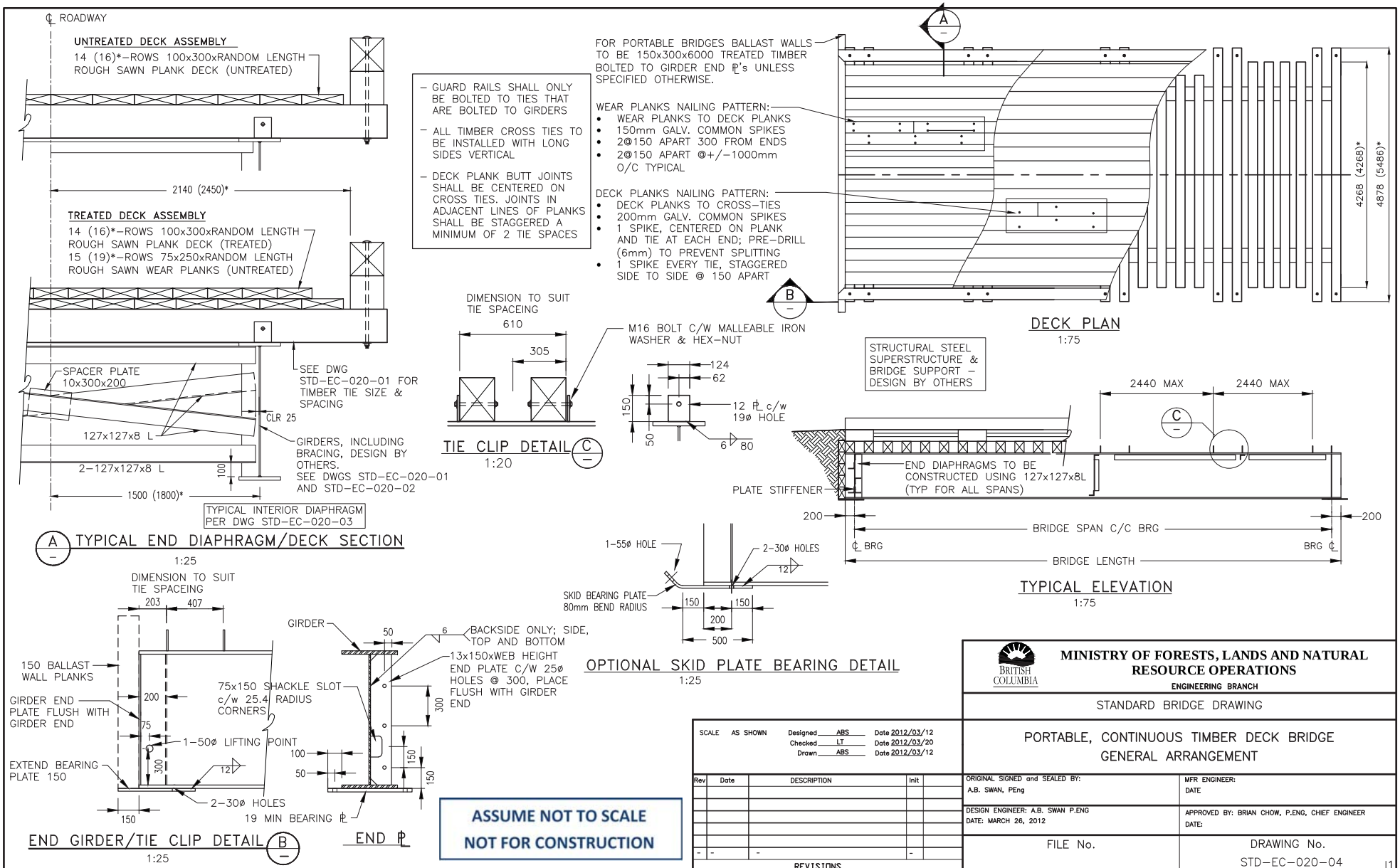
℄ ROADWAY
UNTREATED DECK ASSEMBLY
14 (16)*–ROWS 100x300xRANDOM LENGTH ROUGH SAWN PLANK DECK (UNTREATED)
2140 (2450)*
TREATED DECK ASSEMBLY
14 (16)*–ROWS 100x300xRANDOM LENGTH ROUGH SAWN PLANK DECK (TREATED)
15 (19)*–ROWS 75x250xRANDOM LENGTH ROUGH SAWN WEAR PLANKS (UNTREATED)
SPACER PLATE 10x300x200
CLR 25
127x127x8 L
2–127x127x8 L
100
1500 (1800)*
SEE DWG STD–EC–020–01 FOR TIMBER TIE SIZE & SPACING
GIRDERS, INCLUDING BRACING, DESIGN BY OTHERS. SEE DWGS STD–EC–020–01 AND STD–EC–020–02
TYPICAL INTERIOR DIAPHRAGM PER DWG STD–EC–020–03
A
TYPICAL END DIAPHRAGM/DECK SECTION
1:25
– GUARD RAILS SHALL ONLY BE BOLTED TO TIES THAT ARE BOLTED TO GIRDERS
– ALL TIMBER CROSS TIES TO BE INSTALLED WITH LONG SIDES VERTICAL
– DECK PLANK BUTT JOINTS SHALL BE CENTERED ON CROSS TIES. JOINTS IN ADJACENT LINES OF PLANKS SHALL BE STAGGERED A MINIMUM OF 2 TIE SPACES
DIMENSION TO SUIT TIE SPACEING
610
305
TIE CLIP DETAIL C
1:20
M16 BOLT C/W MALLEABLE IRON WASHER & HEX–NUT
124
62
150
50
12 ℄ c/w 19ø HOLE
6
80
FOR PORTABLE BRIDGES BALLAST WALLS TO BE 150x300x6000 TREATED TIMBER BOLTED TO GIRDER END ℄'s UNLESS SPECIFIED OTHERWISE.
WEAR PLANKS NAILING PATTERN:
• WEAR PLANKS TO DECK PLANKS
• 150mm GALV. COMMON SPIKES
• 2@150 APART 300 FROM ENDS
• 2@150 APART @+/–1000mm O/C TYPICAL
DECK PLANKS NAILING PATTERN:
• DECK PLANKS TO CROSS–TIES
• 200mm GALV. COMMON SPIKES
• 1 SPIKE, CENTERED ON PLANK AND TIE AT EACH END; PRE–DRILL (6mm) TO PREVENT SPLITTING
• 1 SPIKE EVERY TIE, STAGGERED SIDE TO SIDE @ 150 APART
A
B
4268 (4268)*
4878 (5486)*
DECK PLAN
1:75
STRUCTURAL STEEL SUPERSTRUCTURE & BRIDGE SUPPORT – DESIGN BY OTHERS
2440 MAX
2440 MAX
C
END DIAPHRAGMS TO BE CONSTRUCTED USING 127x127x8L (TYP FOR ALL SPANS)
PLATE STIFFENER
200
200
BRIDGE SPAN C/C BRG
℄ BRG
BRG ℄
BRIDGE LENGTH
TYPICAL ELEVATION
1:75
1–55ø HOLE
2–30ø HOLES
12
SKID BEARING PLATE 80mm BEND RADIUS
150
150
200
500
OPTIONAL SKID PLATE BEARING DETAIL
1:25
DIMENSION TO SUIT TIE SPACEING
203
407
150 BALLAST WALL PLANKS
GIRDER END PLATE FLUSH WITH GIRDER END
200
75
1–50ø LIFTING POINT
EXTEND BEARING PLATE 150
300
12
2–30ø HOLES
150
GIRDER
50
6
BACKSIDE ONLY; SIDE, TOP AND BOTTOM
13x150xWEB HEIGHT END PLATE C/W 25ø HOLES @ 300, PLACE FLUSH WITH GIRDER END
75x150 SHACKLE SLOT c/w 25.4 RADIUS CORNERS
300
100
50
150
150
19 MIN BEARING ℄
END GIRDER/TIE CLIP DETAIL B
1:25
END ℄
ASSUME NOT TO SCALE
NOT FOR CONSTRUCTION
BRITISH COLUMBIA
MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS
ENGINEERING BRANCH
STANDARD BRIDGE DRAWING
PORTABLE, CONTINUOUS TIMBER DECK BRIDGE GENERAL ARRANGEMENT
SCALE AS SHOWN
Designed ABS Date 2012/03/12
Checked LT Date 2012/03/20
Drawn ABS Date 2012/03/12
Rev | Date | DESCRIPTION | Init
– | – | – | –
REVISIONS
ORIGINAL SIGNED and SEALED BY: A.B. SWAN, PEng
MFR ENGINEER: DATE
DESIGN ENGINEER: A.B. SWAN P.ENG DATE: MARCH 26, 2012
APPROVED BY: BRIAN CHOW, P.ENG, CHIEF ENGINEER DATE:
FILE No.
DRAWING No. STD–EC–020–04
1
CANCEL PRINTS BEARING PREVIOUS LETTER