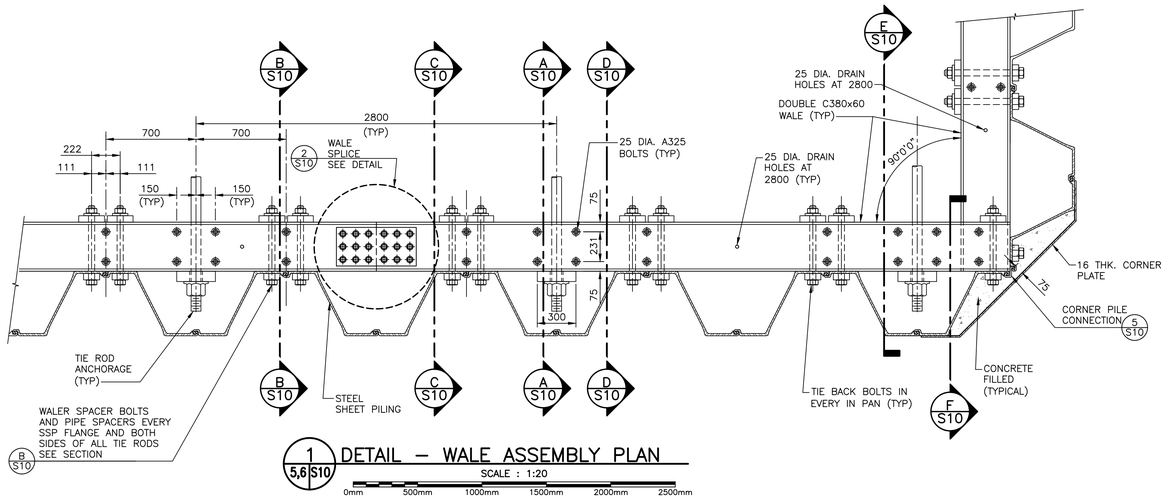
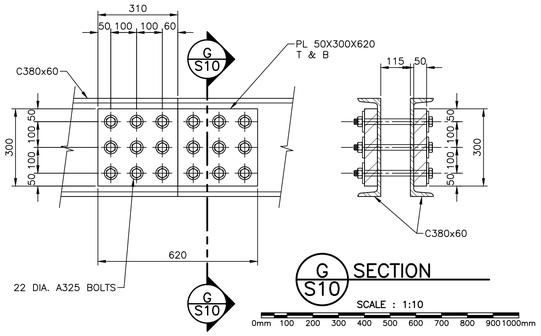


1 S10 DETAIL – WALE ASSEMBLY PLAN

5,6 S10

SCALE : 1:20

0mm 500mm 1000mm 1500mm 2000mm 2500mm



G S10 SECTION

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

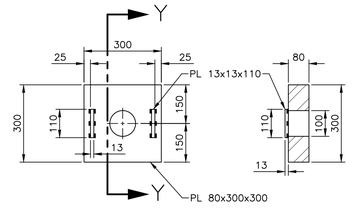
2 S10 DETAIL – WALE SPLICE

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

NOTES:

1. TOP AND BOTTOM CHANNELS MAY BE SPLICED AT THE SAME LOCATION.
2. CONTRACTOR MAY PROPOSE ALTERNATE SPLICE DETAIL DURING CONSTRUCTION. SUBMIT DETAILS AND LOCATIONS TO DEPARTMENTAL REPRESENTATIVE FOR REVIEW.

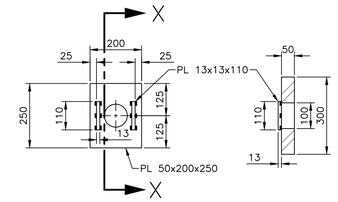


PLAN SECTION Y–Y

3 S10 DETAIL – WALE PLATE TYPE "A"

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

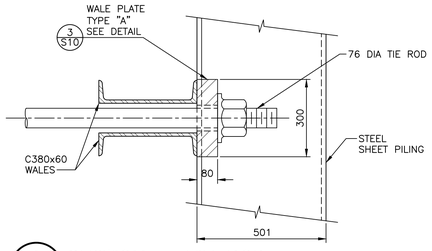


PLAN SECTION X–X

4 S10 DETAIL – WALE PLATE TYPE "B"

SCALE : 1:10

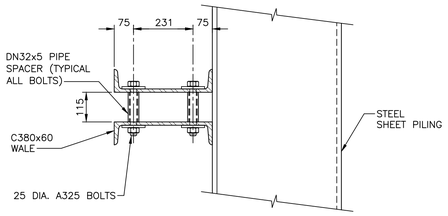
0mm 100 200 300 400 500 600 700 800 900 1000mm



A S10 SECTION – TIE ROD

SCALE : 1:10

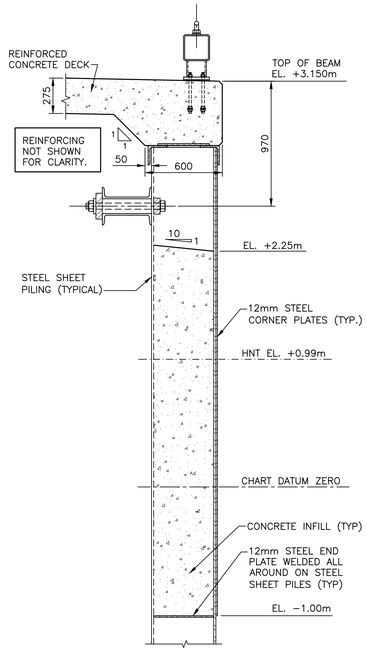
0mm 100 200 300 400 500 600 700 800 900 1000mm



B S10 SECTION – WALE SPACER

SCALE : 1:10

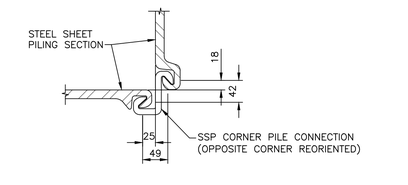
0mm 100 200 300 400 500 600 700 800 900 1000mm



F S10 SECTION – CORNER PROTECTION PLATE

SCALE : 1:20

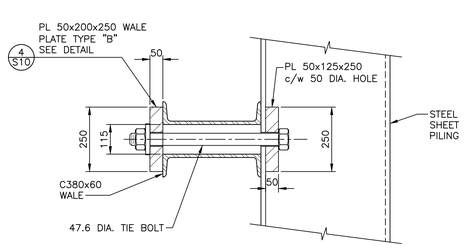
0mm 500mm 1000mm 1500mm 2000mm 2500mm



5 S10 DETAIL – SSP CORNER PILE CONNECTION

SCALE : 1:5

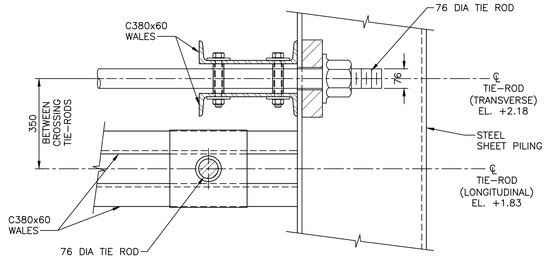
0mm 100mm 200mm 300mm 400mm 500mm



C S10 SECTION – WALE TIE BOLT

SCALE : 1:10

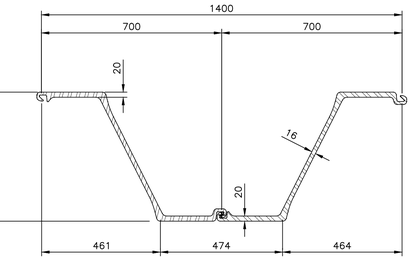
0mm 100 200 300 400 500 600 700 800 900 1000mm



E S10 SECTION – CORNER TIE ROD LAYOUT

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

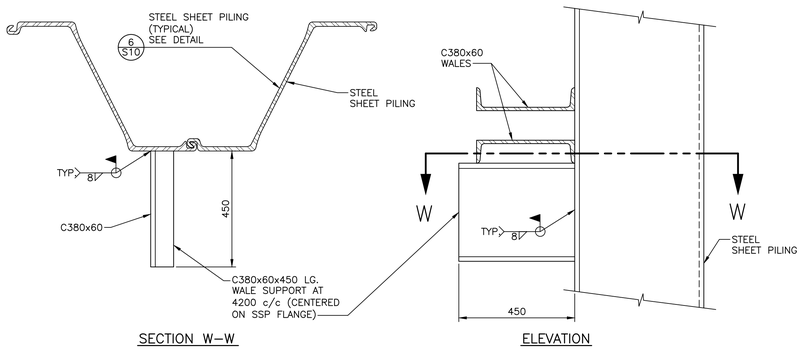


MINIMUM ELASTIC SECTION MODULUS = 4605 cm3/m
MINIMUM PLASTIC SECTION MODULUS = 5350 cm3/m

6 S10 TYPICAL SSP DETAIL (PAIR)

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm



SECTION W–W ELEVATION

D S10 TYPICAL SECTION – WALE SUPPORT

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

SHM CANADA
INNOVATIVE ENGINEERING AND DESIGN
STRUCTURAL ENGINEERING | STUCTURAL HEALTH MONITORING

THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE PROVINCE OF PRINCE EDWARD ISLAND
VALID FOR THE YEAR 2022
Digitally signed by Vidyadhar Limaye
DN: cn=Vidyadhar Limaye, o=CA, ou=Engineer, email=vlimaye@shmcanada.com
Date: 2022.03.23 16:10:51 -03'00'
Vidyadhar Limaye
No. 1622
DATE: 23/03/2022
LICENSED PROFESSIONAL ENGINEER
PROVINCE OF PRINCE EDWARD ISLAND

revisions		date
0	ISSUED FOR TENDER	MAR 23 2022

project / projet

WHARF CONSTRUCTION
402, 403, and 404
SAVAGE HARBOUR
QUEENS CO., PE

drawing / dessin

SHEET PILE SECTIONS AND DETAILS 1

designed / conçu P.V.
date JUN 2021
drawn / dessiné S.W.P.
date MAR. 21, 2022
approved / approuvé V.L.
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
R.117999.001
drawing no. / no. du dessin
S10

E-DRM/GDD-E: 553388