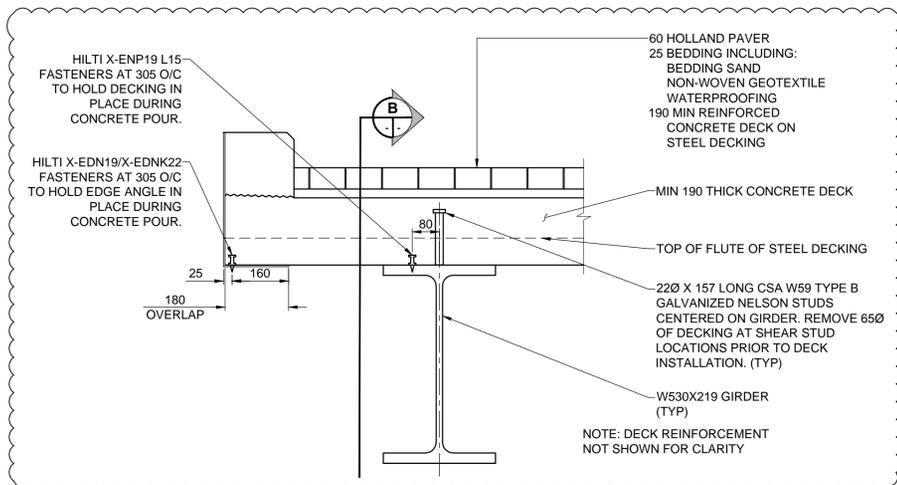


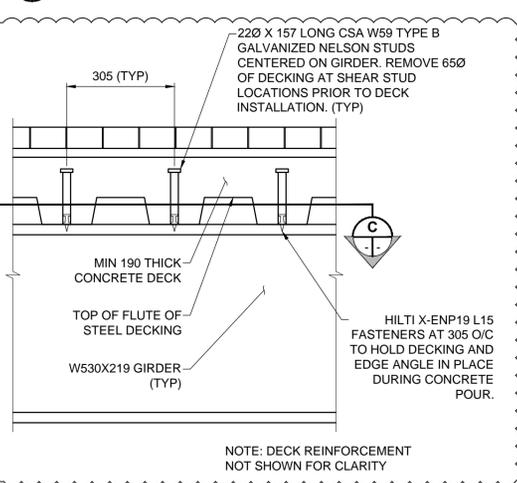
GIRDERS, PIER BEAMS, AND INTERMEDIATE AND END DIAPHRAGMS LAYOUT

SCALE 1:100
JUMP SLABS NOT SHOWN



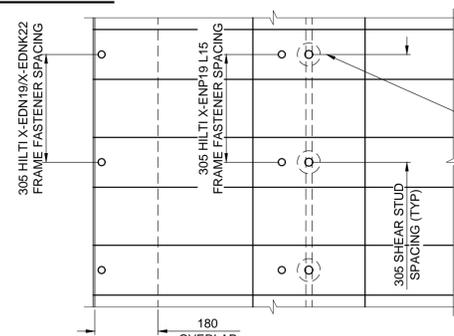
SECTION - GIRDER SHEAR STUD CONNECTION

SCALE: 1:10



SECTION - GIRDER SHEAR STUD CONNECTION

SCALE: 1:10



SECTION

SCALE: 1:10



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED
UNDERGROUND STRUCTURES

DATE: _____

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
1	ISSUED FOR ADDENDUM 1	17/10/27	DAN
0	ISSUED FOR TENDER	17/10/13	DAN

MORRISON HERSHFIELD	
DESIGNED BY: AG	CHECKED BY: DAN
DRAWN BY: AH	APPROVED BY: BE
RELEASED FOR CONSTRUCTION	
HOR SCALE: AS SHOWN	VERT SCALE: AS SHOWN
DATE: 17/10/13	DATE: _____



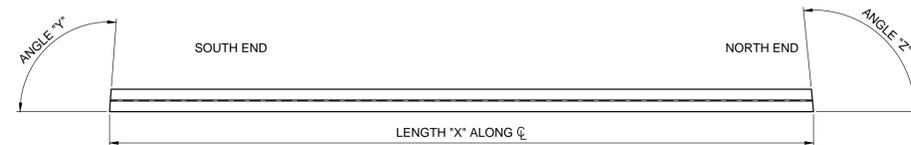
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TACHE PROMENADE TREETOP LOOKOUT

GIRDERS AND DIAPHRAGMS 1

CITY DRAWING NUMBER: B250-17-38
SHEET 38 OF 70
DRAWING No. 12

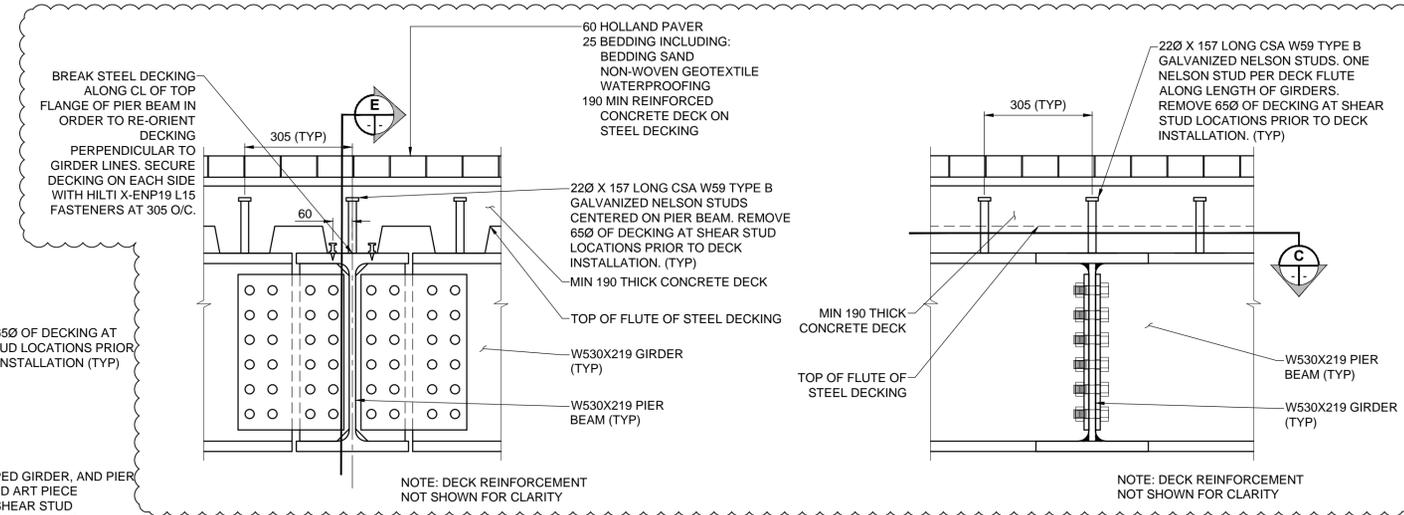
BID OPPORTUNITY No. 754-2017



TYPICAL GIRDER

SCALE 1:50

NOTE: REFER TO TABLE FOR GIRDER LENGTHS AND ANGLES



SECTION - PIER BEAM SHEAR STUD CONNECTION

SCALE: 1:10

SECTION - PIER BEAM SHEAR STUD CONNECTION

SCALE: 1:10

GIRDER DETAILS			
NO.	GIRDER LENGTH "X" (MM)	GIRDER ANGLE "Y"	GIRDER ANGLE "Z"
G1	9946	94°15'18"	95°38'31"
G2	10258	94°15'18"	95°38'31"
G3	10827	95°23'27"	93°11'44"
G4	11097	95°23'27"	93°11'44"
G5	11645	82°10'47"	82°10'47"
G6	11192	82°10'47"	82°10'47"
G7	11645	82°10'47"	82°10'47"
G8	11192	82°10'47"	82°10'47"
G9	12000	82°10'47"	63°45'57"
G10	10960	82°10'47"	63°45'57"
G11	12908	99°13'21"	80°46'39"
G12	12908	99°13'21"	80°46'39"
G13	12908	99°13'21"	80°46'39"
G14	12908	99°13'21"	80°46'39"
G15	13247	66°42'32"	83°47'09"
G16	12277	66°42'32"	83°47'09"