



Building Department 10105 - 12A St, Dawson Creek, V1G 3V7

Tel: 250-784-3600 Fax: 250-782-3352 www.dawsoncreek.ca

Deck Checklist

Address:	Date:
	Please note that only complete applications will be accepted. Attach this checklist when submitting the application.
	Building Permit Application Completed form including: Contact information Building area and estimated value of construction Property size and zone Signed and dated by the owner or agent
	Owner Authorization Form (If Applicable) Required when an agent is submitting the application on behalf of the property owner. Must be completed and signed by the property owner.
	Site Plan Drawn to scale, showing: North arrow Property lines The road and any lanes Existing building and structures Location and dimension of the proposed deck Location of proposed screw piles or concrete pads and columns Zoning setbacks and ensuring that they are met A buffer distance of at least 1.5 meters (5') between buildings on the property Refer to the Zoning Map and Zoning Bylaw for setbacks. https://www.dawsoncreek.ca/departments/corporate-administration/bylaws/
	Typical Deck Section Form completed. If something does not apply to your deck, write N/A on that line.
	Typical Stair Detail Form completed. If something does not apply to your deck, write N/A on that line
	 Ledger Attachment Detail Read and sign the page acknowledging you understand the detail. If you plan on using a different method, provide a detail showing the proposed method.
	 Screw Pile Plan (If Applicable) (Provided by the City) Read and sign the plan acknowledging you understand the design. Following installation, the Screw Pile Installation Record sheet (provided by the City) must be completed and submitted.



Building Permit ApplicationBuilding Department

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Building Permit Application

Property Information Civic Address			PID		
Legal Description					
Property Area (m²)		Zoning Designation	1		
Project Information					
Single Family Dwellin	g Dunle	x up to 5-plex	Apartment		
Shed	Deck	x up to 5 piex	Detached Garage		
Tenant Improvement (Commercial/Industrial	s New c	construction nercial/Industrial)	Manufactured Home		
Wood Stove	Demo		SFD Renovation/Addition		
Estimated Value		Area of Project (m ²	2)		
Occupancy Classification		Does this Building	Fall Under Part 3 or Part 9 of BC Building Code?		
Occupancy Classifications: Group A: Assembly Group B: Care, Treatment, and Deter Group C: Residential Group D: Office & Personal Services Group E: Mercantile Group F: F-1 High Hazard Industrial F-2 Medium Hazard Industrial F-3 Low Hazard Industrial		 Group A Group B Group F-1 Buildings 	 Group B Group D Group F-1 Group E 		
Property Owner Inform	ation	Company			
Name		Company			
Address		City & Province			
Email		Postal Code	Postal Code		
Phone		Fax	Fax		
Contractor Information					
Name		Company			
Address		City & Province			
Email	_	Postal Code			
Phone	Fax		Business Licence Number		



Building Permit Application

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Agent / Tenant Information						
Is an agent submitting the application on behalf of the pro	perty owner?	☐ Yes	□ No			
If Yes, the Owner Authorization form needs to be complete	If Yes, the Owner Authorization form needs to be completed and submitted.					
Will there be commercial tenants? \square Yes \square No	Tenant Company Name					
Contact Person	Business Licence Number					
Address	City & Province					
Email	Postal Code					
Phone	Fax					

- 1. I acknowledge that if I am granted a building permit pursuant to this application that I am responsible for compliance with the current edition of the British Columbia Building Code, this bylaw and any other applicable enactment, code, regulation or standard relating to the work in respect of which the permit is issued, whether or not the said work is undertaken by me or by those whom I may retain or employ to provide design and/or construction services.
- 2. I acknowledge that neither the issuance of a permit under this bylaw, the acceptance nor review of plans, specifications, drawings or supporting documents, nor inspections made by or on behalf of the City constitute a representation, warranty, assurance or statement that the current edition of the British Columbia Building Code, the City of Dawson Creek's Building Bylaw, Subdivision and Development Servicing Bylaw, and Sign Bylaw or any other applicable enactment, code, regulation or standard has been complied with.
- 3. Where the City requires that Letters of Assurance be provided by a Registered Professional pursuant to Section 11 of the City of Dawson Creek Building Bylaw and Section 55 of the Community Charter I confirm that I have been advised in writing by the City that it relied exclusively on the Letter of Assurance of "Professional Design and Commitment for Field Review" prepared by in reviewing the plans, drawings, specifications and supporting documents submitted with this application for a building permit.
- 4. I confirm that I have relied only on the said Registered Professional for the adequacy of plans, drawings, specifications and supporting documents submitted with this application.
- 5. I understand that I should seek independent legal advice in respect of the responsibilities I am assuming upon the granting of a building permit by the City pursuant to this application and in respect of the execution of this acknowledgement.

I hereby agree to indemnify and keep harmless the City of Dawson Creek against all claims, liabilities, judgements, costs and expenses which may, in any way, occur against the said City in consequence of and incidental to, the granting of this permit, if issued. I further agree to conform to all requirements of the Building Bylaw and all other statutes and bylaws in force in the City of Dawson Creek.

Name (Please Print)	Signature	Date

Arrange for inspections by phone or email

Phone: 250-784-3618

Email: buildinginspection@dawsoncreek.ca



Owner Authorization Form

FILE	NUMBER:	-

PROPERTY INFORMATION			
Municipal Address(es):			
Project Description:			
Registered Owner Name(s)	:		
Address:			
	Province:		
	E-mail Address:		
(select one)	e, the registered owner(s) of the applications related to the above lowing agent to apply for all app behalf	e mentioned project.	
Agent Name	Agent	t Company	
Mailing Address			
Mailing Address			
City:	Province:	Postal Cod	le:
Telephone:	Cell:		
Email address:			
I/We agree to immediately information.	notify the City of Dawson Creek	;, in writing, of any changes	regarding this
Owner's Name(s) (printed)	:		
Owner's Signature(s):		Date:	



SITE PLAN

Deck ApplicationBuilding Department

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Dawson Creek SITE PLAN EXAMPLE Building Department 10105 - 12A St, Dawson Creek, V1G 3V7 Tel: 250-784-3600 Fax: 250-782-3352

Deck Application Building Department

Address: 2865 Thornhills Ave Contact Name/Number: Builder Bob 250-555-1234

Please note existing building locations and distances from lot lines for any additions or decks. This template does not need to be used if submitted on graph paper or as an architectural drawing set.

Scale: 1 Square = ____ Concrete pad & column -·Proposed Deck or screw pile 6.5m House Driveway N E 0

Front Lot Line



TYPICAL DECK SECTION

Deck Application (SFD/Duplex) Building Department

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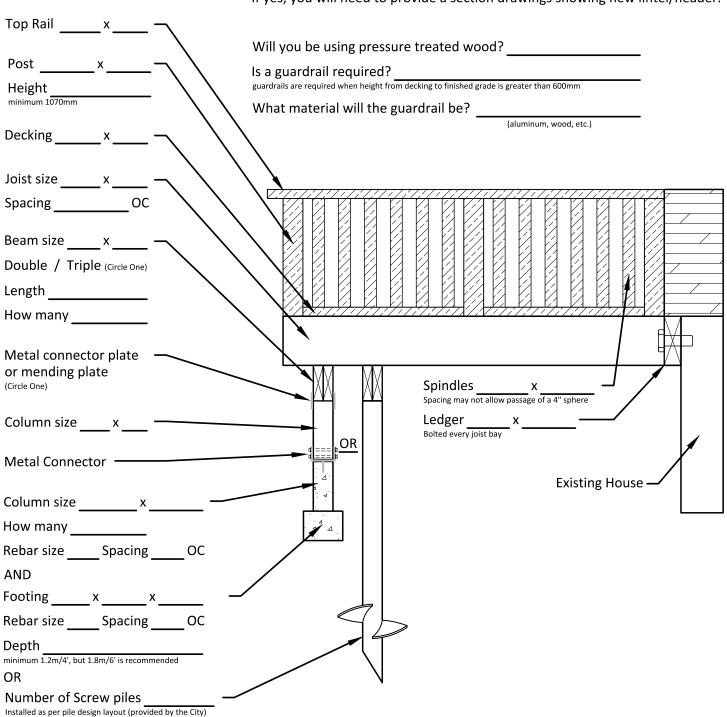
Size of Deck:
Width
along house
Length
from house
Height_
from decking to to finished grade

Notes:

- 1. Screws are not permitted to be used for joist hangers.
- 2. All bolts must be provided with washers.
- 3. Connectors must be compatible with type of lumber used.
- 4. If this sheet is not applicable to you deck, a full set of drawings must be provided.

Will you need to create or enlarge any openings for a door? ______

If yes, you will need to provide a section drawings showing new lintel/header.

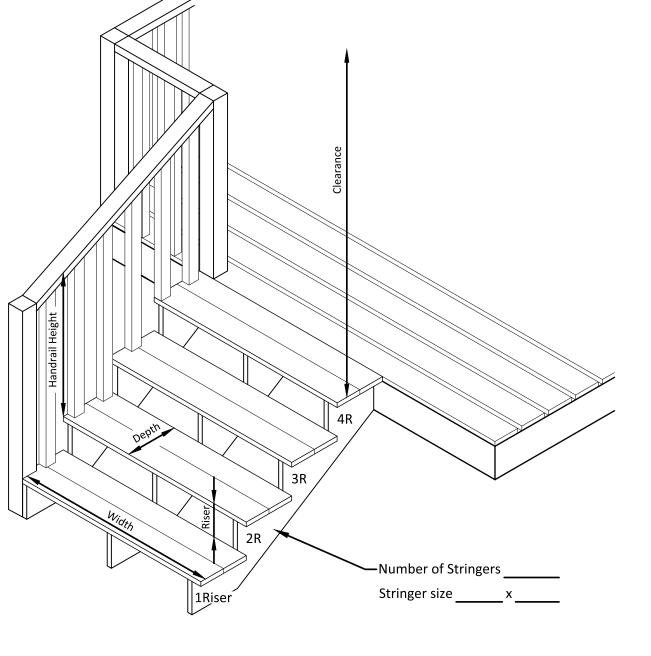




TYPICAL STAIR DETAIL

Deck Application (SFD/Duplex) Building Department

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Fread Depth	Tread Width	Tread Riser	Number of Risers	_
55mm to 355mm	clear width - minimum 860	125mm to 200mm		
s a handrail required?	Height of handrail	Clearance above stairs	_	

NOTE: For drawing clarity, the hand and guardrails are only shown on one side of the stairs and deck. When handrails are required, they must be on both sides of the stairs.

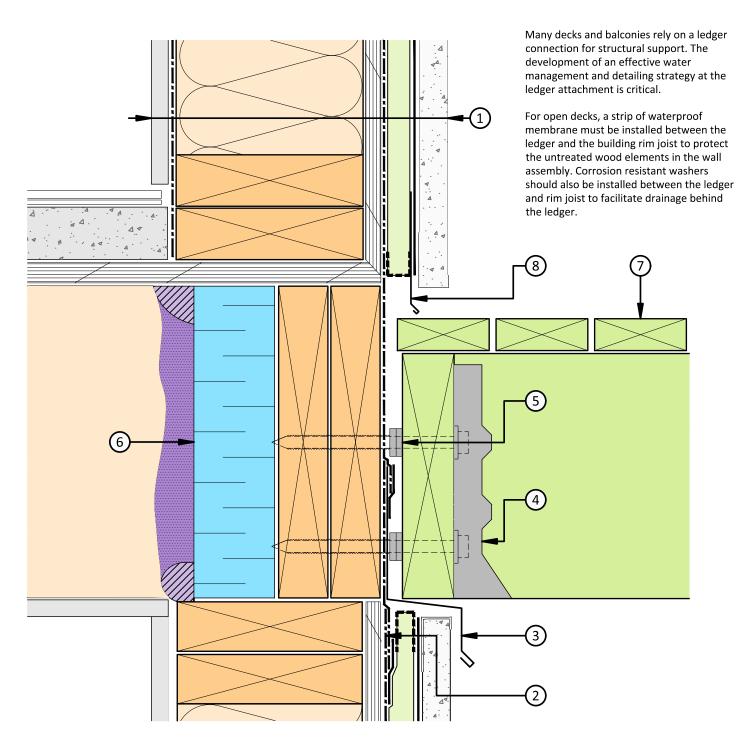
Guardrails are required wherever the decking is greater than 600mm above finished grade.



LEDGER ATTACHMENT DETAIL

Deck ApplicationBuilding Department

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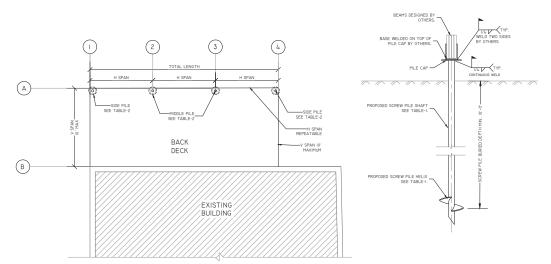
1. Wall Assembly

Cladding (stucco with backer board)
19mm (0.75") wood furring (p.t.)
Vapour permeable sheathing
membrane
sheathing
wood framing
Batt insulation
Polyethylene
Gypsum board

- 2. Vapour permeable membrane pre-strip lapped and taped to sheathing membrane below
- 3. Cross cavity flashing with sheathing membrane taped to flashing back leg
- 4. Joist hanger secured to ledger board
- 5. Hot dipped galvanized washers

- 6. Extruded polystyrene with spray foam at edges
- 7. Wood decking
- 8. Metal flashing secured to wood furring

Name:	
Signature: _	



Name:
Signature:

PILE TYPE	MIN. BURIED DEPTH (FT.)	SHAFT O.D. & WALL (in.)	ANGLE	HELIX SIZE (IN)	HELIX PLATE SIZE	TOP PLATE SIZE	MIN. TORQUE FT-LBS
P1	10 MIN.	3-1/2"/0.254	VERTICAL	1-12"	THICKNESS 3/4" w 3" PITCH	8"x8"x1/2"	2500
P2	10 MIN.	4-1/2*/0.250	VERTICAL	1-16"	THICKNESS 3/4" w 6" PITCH	10"x10"x1/2"	4800

SCREW PILE TABLE-1

V. SPAN (FT)	H. SPAN (FT)	MIDDLE PILE	SIDE PILE
6	≤8	P1	P1
6	10	P1	P1
8	≤8	P1	P1
8	10	P1	P1
10	<u>≤</u> 8	P1	P1
10	10	P2	P1

MAXIMUM.

H SPAN IS REPEATABLE ABOUT THE

WHERE AS V SPAN IS LIMITED TO 10'

PERIMITER OF A STRUCTURE.

SCREW PILE TABLE-2

HELIX PILE DETAILS N.T.S.

NOTE: CONTRACTOR TO CONTACT BC ONE CALL AND LINE LOCATORS PRIOR TO CONSTRUCTION

ROOF (OPTIONAL) DESIGN BY OTHERS JOIST & DECKING DESIGN BY OTHERS-BEAM DESIGN BY OTHERS EXISTING FOUNDATION WALL BY OTHERS **EXISTING HOUSE & NEW DECK/PILE ELEVATION**

NEW DECK FOUNDATION PLAN

SCALE 1/4"=1'-0"

- 3:46 PM

GENERAL NOTES:

- 2. USER IS TO INCREBY AGREE TO INDEMNIFY AND REEP HARMLESS THE CITY OF DAWSON CREEK AGAINST ALL CLAMS, LUBBLITES, JUDGEMENTS, COSTS AND EXPENSES WHICH TO USEN CHAIR SCREW HERE AGREES TO COMPORED TO ALL REQUIREMENTS OF THE BUILDING BYLAW AND ALL OTHER STATUTES AND BYLAWS IN FORCE IN THE CITY OF DAWSON CREEK.
- 3. ALL DIMENSIONS ARE IN IMPERIAL UNLESS OTHERWISE NOTED.
- 4. ALL MATERIALS & CONSTRUCTION PROCEDURE SHALL BE IN COMPLIANCE WITH THE LATEST EDITIONS OF THE FOLLOWING:
 - 4.1 NATIONAL BUILDING CODE OF CANADA, B.C. BUILDING CODE.

 - 4.3 CANADIAN STANDARDS ASSOCIATION (CSA): G40.20 GENERAL REQUIREMENT FOR ROLLED OR WELDED STRUCTURAL QUALITY

 - GG.20 GENERAL NEURINERNI FUN ROLLLU ON THELOU OF THE STEEL.
 GGO.21 STRUCTURAL QUALITY STEELS
 SIG DESIGN OF STEEL STRUCTURES
 W47.1 CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL
 W48.5 FLLERRIFLAS AND ALLIED MATERIALS FOR NETAL. ARC WELDING
 W59 WELDED STEEL CONSTRUCTION (NETAL ARC WELDING)
 - 4.4 HANDBOOK OF STEEL CONSTRUCTION (CISC)
 - 4.5 ASTM A252 STANDARD SPECIFICATION FOR WELDED SEAMLESS STEEL PIPE PILES.
 ASTM D494S STANDARD TEST METHOD FOR HIGH-STRAIN DYNAMIC TESTING OF DEEP
 FOUNDATION.
 - 4.6 THE CITY'S BY-LAWS SHALL GOVERN THE CONSTRUCTION OF THE PROJECT
- PIPE MATERIAL ASTM A252 GRADE 3. AND MADE OF NEW MATERIAL
- WELDING ELECTRODE CSA W48
 HELICAL PLATES, AND PILE CAPS SHALL CONFORM TO G40.20/G40.21, GRADE 300W
- 6. USE OF THESE DRAWINGS IS FOR THE PURPOSES SPECIALLY NOTED ON THE DRAWINGS. DO NOT CONSTRUCT BY THESE DRAWINGS UNLESS THEY BEAR THE SEAL, AND SIGNATURE OF THE PROFESSIONAL ENGINEER FROM TITRON ENGINEERING INC. AND ARE STAMPED 1SSUED FOR CONSTRUCTION, AND IN POSSESSION OF AN ACTIVE BUILDING PERMIT FROM THE CITY OF DAMSON CREEK.
- CONSTRUCTION LOADS ARE NOT TO EXCEED THE SPECIFIED DESIGN LIVE LOADS FOR THE STRUCTURAL ELEMENTS MENTIONED ABOVE. CONTRACTORS MUST CONFIRM WITH CITY'S BUILDING INSPECTOR.
- 8. CONTRACTOR SHOULD INSPECT SITE PRIOR TO COMMENCEMENT OF WORK, TO FAMILIARIZE THEMSELVES WITH EXTENT & SCOPE OF WORK AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR INCONGRUENCE BETWEEN THE DRAWING & ACTUAL SITE
- 9. IT IS CONTRACTORS' RESPONSIBILITY TO CHECK & VERIFY ALL DIMENSIONS, ERRORS, AND OMISSIONS AND REPORT SAME TO CITY'S ENGINEER. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS ARE GUIDELINES, AND ANY OMISSION IN THE DESCRIPTION OF WORKMASHIP DO NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE THE PROJECT IN A WORKMANLIKE MANNER.

- . ALL WORKMANSHP SHALL BE OF STANDARDS EQUAL IN ALL RESPECTS TO GOOD BUILDING PRACTICE. REQUIREMENTS WHETHER CEMERAL OR SPECIFIC SHALL BE INTERPRETED IN CONLARCTION WITH ALL OTHER INFORMATION APPEARING IN THE DRAWINGS AND
- II. THE STRUCTURAL COMPONENTS ARE NOT TO BE MODIFIED IN ANY MANNER WITHOUT FIRST OBTAINING WRITTEN PERMISSION FROM A PROFESSIONAL ENGINEER WITH EXPERIENCE IN SCREW PILE DESIGN.
- 12. THE OCCUPATIONAL HEALTH AND SAFETY (OHS) REGULATION CONTAINS LEGAL REQUIREMENTS THAT MUST BE MET BY ALL WORKPLACES LUDGER THE INSPECTION JURISDICTION OF WORKSAFE BC. THE CONTRACTOR ALONE IS RESPONSIBLE FOR SAFETY WITHIN THE WORK SITE.
- IS. STRUCTURAL DRAWINGS SHALL GOVERN OVER MECHANICAL AND ELECTRICAL DRAWINGS, SUBJECT TO THE FOREGOING, IF ANY SPECIFICATIONS OR DRAWINGS CONFLICT WITH ANY OTHER SPECIFICATIONS OR DRAWINGS, THE MORE STRENGTH SHALL GOVERN.
- IA. CONTRACTOR SHOULD REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF OPENINGS, EQUIPMENT BASES, ETC. NOT INDICATED ON STRUCTURAL DRAWINGS.

DESIGN NOTES:

DECK LIVE LOAD:	4.8 KPA
DECK DEAD LOAD:	0.5 KPA
ROOF DEAD LOAD:	0.5 KPA
ROOF COLLATERAL:	0.5 KPA
SNOW LOAD (FOR DECK OR ROOF) Ss (Q50):	2.5 KPA
RAIN LOAD Sr (Q50):	0.20 KPA
WIND LOAD (050):	0.40 KPA

GEOTECHNICAL RESISTANCE FACTOR:

THE MAXIMUM DEPTH OF FROST PENETRATION EXPECTED IS 2.4M (8') BELOW GROUND SURFACE.

PILE INSTALLATION SPECIFICATION

- PILE SHALL BE INSTALLED AT PATE OF ONE PITCH PER REVOLUTION.

 2. ANY DEVIATION TO THE INSTALLATION SPECIFICATION MIST BE APPROVED BY CITY'S BUILDING INSPECTOR.

 3. ALL DIMENSIONS TO BY SEPTIMENSIALLY TO COMPRIENCE INSTALLATION.

 CABLES PRIOR TO INSTALLING PITCH TO COMPRIENCE BY CITY'S BUILDING INSPECTOR INFECURITY.

 5. ANY ERROR OR DISCREPANCES ARE TO BE REPORTED TO THE CITY'S BUILDING INSPECTOR INFECURITY.
- IMMEDIATELY.

 C. COMPLETE RECORD OF PERFORMANCE OF EACH PILE WHILE BEING PLACED SHALL BE MAINTAINED. ANY ERROR OR DISCREPANCES ARE TO BE REPORTED TO THE CITY'S BUILDING INSPECTOR SHMEDIATELY.

 1. UPON COMPLETION OF THE INSTALLATION FIELD INSTALLATION INSPECTOR SHALL SUBMIT RISTALLATION REPORT, DEFIT VERSUS TORQUE, TO CITY'S ENGNERER.

 MINIMAL TORQUE IN TABLE-1 IS NOT ACHIEVED ADD-ONS WILL BE REQUIRED UNTIL TORQUE IN TABLE-1 IS NOT ACHIEVED ADD-ONS WILL BE REQUIRED.

- MINIMUM TORQUE IN TRIBLET IS TO PROBLEM.

 7 PILES TO BE INSTALLED TO THE FOLLOWING TOLERANCES:

 VERTICAL: +/- 2 DEGREES FROM PLUMB

 HORIZONTAL: +/- 2 INCH FROM CENTER POINT.



CITY OF DAWSON CREEK



TRYON ENGINEERING INC.

Dawson Creek Office: 10201 - 17 Street, Dawson Creek, B.C. V1G 4C3 Phone: 250-782-5868 Fax: 250-782-6029

Fort St. John Office 11320 - 10 Avenue Fort St. John, B.C. V1J 1Z9 Phone: 250-262-0031

ENGINEER OF RECORD

THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS IT IS COUNTERSIGNED BY THE ENGINEER.

REV. DATE		DESCRIPTION
0 2018/09/25		ISSUED FOR REVIEW
1	2018/11/05	REVISED FOR REVIEW
Г		

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DECK FOUNDATION DESIGN

DECK

PILE PLAN & DETAILS

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QUALITY ASSURANCE D.GAO DRAWN BY

DRAWING NO.

S1

SHEET #:

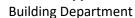




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Deck Screw Pile Installation Record

	Date:						
This sheet must be completed and submitted following the installation of the screw piles.							
Date installed							
Installed by							
Number of Screw Vertical Horizontal Piles Installed Span Span							
А	В	С	D	E			
-	6						
<u> </u>	G	н	l l	J			
	ate installed Installed by per of Screw iles Installed	ate installed Installed by per of Screw iles Installed A B B	must be completed and submitted following the installed Installed by Der of Screw Illes Installed Span C	must be completed and submitted following the installation of the screate installed Installed by Der of Screw iles Installed Span Span Span Span Span Span Span Span			

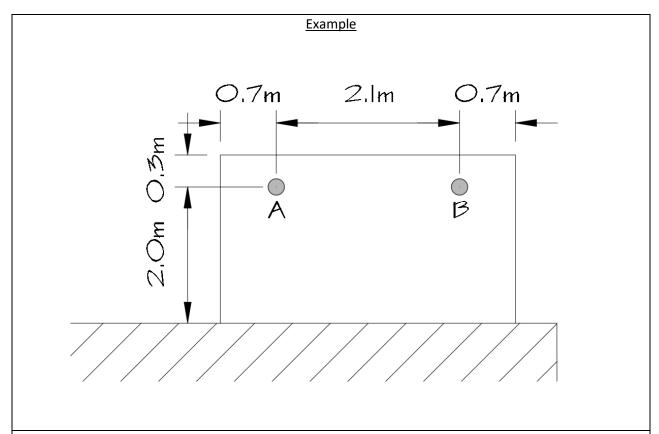


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Sketch showing location of each pile, labeled with the Pile ID and dimensions between piles.



Screw Pile Sketch