to the Engin at the Contra or fabrication	tural notes sup eer, who shall actor's risk.	I correct suc Fhe Contract tractor is res	th discrepancy in the control of the	STRUCTURAL NOTES by discrepancy found among the drawings, these notes, and the site conditions shall be reported in writing. Any work done by the Contractor after discovery of such discrepancy shall be doing and coordinate the dimensions among all drawings prior to proceeding with any work bracing and shoring during construction. by of the latest edition of the International Building Code except where noted.						
Design Crite			. г							
1.	Live Load	=	2' Soil Surch	arge @ Parking Area Above						
2.	Soil		=	Loads per PanGEO report No. 19-062, Dated Dec. 28, 2021 35 to 45 PCF Active Pressure, based on slope of ground 400 PCF, Passive Pressure						
<u>Steel:</u> 1. 2. 3. 4.	All steel piles shall be ASTM A992, Fy=50 Ksi, except as noted. Welding shall be by AWS certified welders with E70 electrodes in accordance with AWS D1.1-75. All steel members and parts shall be shop painted with two coats of red oxide primer after fabrication. Anchor rods shall have Fy= 55 Ksi. Anchorages shall provide full load transfer to soldier piling by the use of A36 bevel plates.									
<u>Carpentry:</u> 1.	Lagging shal	ll be ground	contact pressu	re treated #2 Hem-Fir material.						
Soldier Pile	Installation Se	equence								
1. 2. 3. 4. 5.	Drill holes for soldier pile. Place soldier piles in hole properly aligned and spaced. Excavate and chip out concrete adjacent to steel soldier pile to allow for placement of timber lagging. Place timber lagging and attach to steel piles. Continue with excavation, chipping, and lagging placement.									
Soldier Pile	With Tie-Back	s Installation	Sequence							
1. 2. 3. 4. 5. 6.	Drill holes for soldier pile. Place soldier piles in hole properly aligned and spaced. Excavate and chip out concrete adjacent to steel soldier pile to allow for placement of timber lagging. Place timber lagging and attach to steel piles. Drill anchor rods to the required slope and length. Test anchors per manufacturer by tensioning the anchor to 150% of design load and hold for 24 hours. SR-3 anchor design load is 26,000#. Continue with excavation, chipping, and lagging placement.									
CAUTION										

CONTRACTOR TO FIELD VERIFY ALL CONDITIONS AND ALL ELEVATIONS.

DRAWING DISCREPANCIES
The contractor shall alert MC Squared, Inc. of any discrepancies found on the drawings, such as missing data, typos, or any other items that do not make good sense.

DRAWING DIMENSIONS
The structural drawings are not dimensioned. The architectural plans should be followed for dimensions between grid lines, length and width of building, and floor to floor heights. The structural drawings are only dimensioned for the structural details.

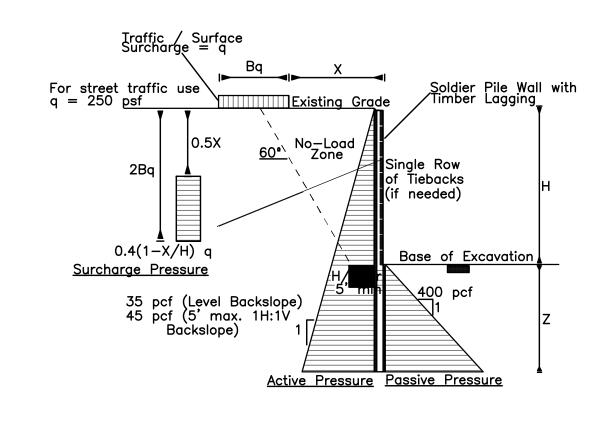


TABLE 1													
	REOUI	RED GEOTECHNIC		PECIAL IN	SPECTIONS			<u> </u>	s	TEEL		REFER TO INSPECTION OF FABRICATOR	
ed		INSPECTION	JAL SI	LCIAL IN	T							REQUIREMENTS	
ork SYSTEM or MATERIAL	IBC CODE REFERENCE	NCE REFERENCE Continu		QUENCY Periodic	REMARKS		FABRICATION OF STRUCTURAL ELEMENTS	1704.2.5	AISC 360 N2			X APPROVAL BASED ON NATIONALLY RECOGNIZED ACCREDITING AUTHORITY	
		S	OILS		loco-real Nucl				AISC 360 A3.3			, as the state of	
GEOTECHNICAL INVESTIGATIONS VERIFY MATERIALS BELOW SHALLOW	TABLE 1705.6					<u>-</u> Ç	MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS		AISC 360 N 3.2 ASTM STANDARI SPECIFIED IN CONSTRUCTIO	os		X MANUFACTURER'S CERTIFIED TEST REPORTS	
FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	TABLE 1705.6			x	BY THE GEOTE		SNUG-TIGHT JOINT HIGH-STRENGTH BOLT	1705.2.1	DOCUMENTS RCSC 2.1			ALL CONNECTIONS INSPECTED AND VERIFIED	
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	TABLE 1705.6			x			INSTALLATION PRETENSIONED AND SLIP-CRITICAL JOINT	1700.2.1	RCSC			SNUG	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	TABLE 1705.6			x	TESTING OF CO	DMPACTED FILL MATERIALS (SEE TABLE 5)	HIGH-STRENGTH BOLT INSTALLATION USING TURN-OF-THE-NUT METHOD WITH MATCH MARKING, TWIST-OFF BOLT OR DIRECT	1705.2.1	SPECIFICATION F STRUCTURAL JOI USING ASTM A325	NTS		X ALL CONNECTIONS INSPECTED. CONNECTIONS USING DIRECT TENSION INDICATORS, ALL BOLTS SHALL BE INSPECTED AFTER SNUGGING AND AFTER PRETENSIONING	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	TABLE 1705.6		x		BY THE GEOTE	CHNICAL ENGINEER	PRETENSIONED AND SLIP-CRITICAL JOINT		A490 BOLTS SECTION 9 AISC 360, SECTION M2.5	NC			
PRIOR TO PLACEMENT OF COMPACTED FILL OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	' TABLE 1705.6			х			HIGH-STRENGTH BOLT INSTALLATION USING TURN-OF-THE-NUT METHOD WITHOUT MATCH MARKING OR CALIBRATED WRENCH METHOD				x	ALL CONNECTIONS INSPECTED	
		DRIVEN DEEP FOU	JNDATIC	N ELEMEN	<u> </u>				ASTM A6				
VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS	TABLE 1705.7		X		BY THE GEOTE		MATERIAL VERIFICATION OF STRUCTURAL STEEL	1705.2.1 2203.1	ASTM STANDARI SPECIFIED IN CONSTRUCTIO DOCUMENTS			X CERTIFIED MILL TEST REPORTS	
DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED INSPECT DRIMING OPERATIONS AND	TABLE 1705.7 X		X		OBSERVATION	BY GEOTECHNICAL ENGINEER			AISC 360 N3.2 AISC 360 A3.1 AISC 360 M5.5				
MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT VERIFY PLACEMENT LOCATIONS AND	TABLE 1705.7		X				FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	1705.2	APPLICABLE AST MATERIAL STANDARDS	ТМ		X MANUFACTURER'S CERTIFIED TEST REPORTS	
PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT AND DAMAGE TO FOUNDATION ELEMENT	TABLE 1705.7		x				MATERIAL VERIFICATION OF WELD FILLER METALS	1705.2	AISC 360 N3.2 AISC 360 A3.5 APPLICABLE AWS DOCUMENTS	A5		X MANUFACTURER'S CERTIFICATE OF COMPLIANCE	
FOR STEEL ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.2	TABLE 1705.7						COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS	1705.2	AWS D1.1 SECTION 6		x	ALL WELDS VISUALLY INSPECTED PER AWS D1.1 6.9	
FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE	TABLE 1705.7						MULTIPASS FILLET WELDS	1705.2	AWS D1.1 SECTION 6		x	ALL WELDS VISUALLY INSPECTED PER AWS D1.1 6.9	
WTH SECTION 1705.3 FOR SPECIALTY ELEMENTS, PERFORM							SINGLE PASS FILLET WELDS GREATER THAN 5/16"	1705.2	AWS D1.1 SECTION 6		x	ALL WELDS VISUALLY INSPECTED PER AWS D1.1 6.9	
ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE	TABLE 1705.7						PLUG AND SLOT WELDS	1705.2	AWS D1.1 SECTION 6		х	ALL WELDS VISUALLY INSPECTED PER AWS D1.1	
INSTALLATION STRESSING	1707.1	GEOTECHNICAL REPORT	X ANCHO	ORS	SPECIAL INSPE		SINGLE PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16"	1705.2	AWS D1.1 SECTION 6			ALL WELDS VISUALLY INSPECTED PER AWS D1.1 6.9	
		TA	BLE 2	<u> </u>						BLE 3		OTIONS.	
	REQU	REQUIRED STRUCTURAL SPECIAL INSPE					\Box		IRED TESTING fo	r SPECIA	AL INSPE	CTIONS	
		INSPECTI			ENCY					FREC	QUENCY		
SYSTEM or MATERIAL	IBC COL REFEREN	CE REFERENCE		ontinuous	Periodic	REMARKS	SYSTEM or MATERIAL	IBC CODE REFERENCE			s Periodic	REMARKS	
	1704.2.	5			x	SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP.	GEOTECHNICAL ENGINEER TO PERFORM TESTING OF COMPACTED FILL MATERIALS	1803	GEOTE	CHNICAL		TESTING PER GEOTECHNICAL REPORT	
					7		FILL IN-PLACE DENSITY OR PREPARED SUBGRADE DENSITY		VARIES;		Х	BY THE GEOTECHNICAL ENGINEER	
	1704.2.5	1704.2.5.1				FABRICATION AND QUALITY CONTROL	MATERIAL VERIFICATION	1705.6	CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS		х	BY THE GEOTECHNICAL ENGINEER	
FABRICATORS		1704.2.5.1				SPECIAL INSPECTIONS REQUIRED BY SECTION 1705 ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND	TENSION ANCHORS	1705.6	TA	FIRST (X) A xxx% DL A LOAD R	MANCE TEST ANCHORS TO AND PROOF EMAINING S TO xxx% DL		
	1704.2.5				1	QUALITY CONTROL MANUALS AND PERIODIC		STRUCTURAL OBSERVATION					
	1101.2.0.1					AUDITING OF FABRICATION PRACTICES BY A NATIONALLY RECOGNIZED ACCREDITING AUTHORITY. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A	SYSTEM or MATERIAL	IBC CODE REFERENCE	INSPECTIO CODE or STANDARD REFERENCE		QUENCY Periodic	REMARKS	
				CERTIFICATE OF COMPLIANCE TO THE BUILDIN OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.		OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS	AS REQUIRED BY THE BUILDING OFFICIAL	1704.6					
						The state of the s	SEISMIC RESISTANCE	1704.6.1			X	SEE COMMENTARY	

1704.6.2

WIND REQUIREMENTS

OLYMPIA, WA 98506 T (360) 754-9339 F (360) 352-2044 www.mc2-inc.com & Details Designed By JAG Drawn By GHM Checked By JMC 04-08-22 SEE COMMENTARY 2022-0033 **S**1.0 1 of 3

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