		STRUCTURAL NOTES									
to the Engin at the Contra or fabrication	tural notes suppleme eer, who shall corre actor's risk. The Co on. The Contractor	ct such discrepa ontractor shall v is responsible fo	Any discrepancy found among the drawings, these notes, and the site condition ncy in writing. Any work done by the Contractor after discovery of such discrepance of the latest edition of the latest edition.								
		the applicable po	ortions of the latest edition of the International Building Code except where noted.								
Design Crite  1.	<u>eria:</u> Live Load	=	250 PSF, Approx. equal to 2' Soil Surcharge @ Driveway Above								
2.	Soil	= = =	Loads per PanGEO report No. 19-062, Dated Mar. 28, 2022 35 to 55 PCF Active Pressure, based on slope of backfill 400 PCF, Passive Pressure								
<u>Steel:</u> 1. 2. 3.	Welding shall be by	y AWS certified w	Fy=50 Ksi, except as noted. velders with E70 electrodes in accordance with AWS D1.1-75. e shop painted with two coats of red oxide primer after fabrication.								
Carpentry: 1.	Lagging shall be gi	round contact pre	essure treated #2 Hem-Fir material.								
Soldier Pile	Installation Sequenc	<u>e</u>									
1. 2. 3. 4. 5.	Excavate and chip Place timber laggir	in hole properly a out concrete adja ng and attach to s	aligned and spaced. acent to steel soldier pile to allow for placement of timber lagging. steel piles. and lagging placement.								
CAUTION CONTRACT	OR TO FIELD VER	FY ALL CONDIT	TIONS AND ALL ELEVATIONS.								

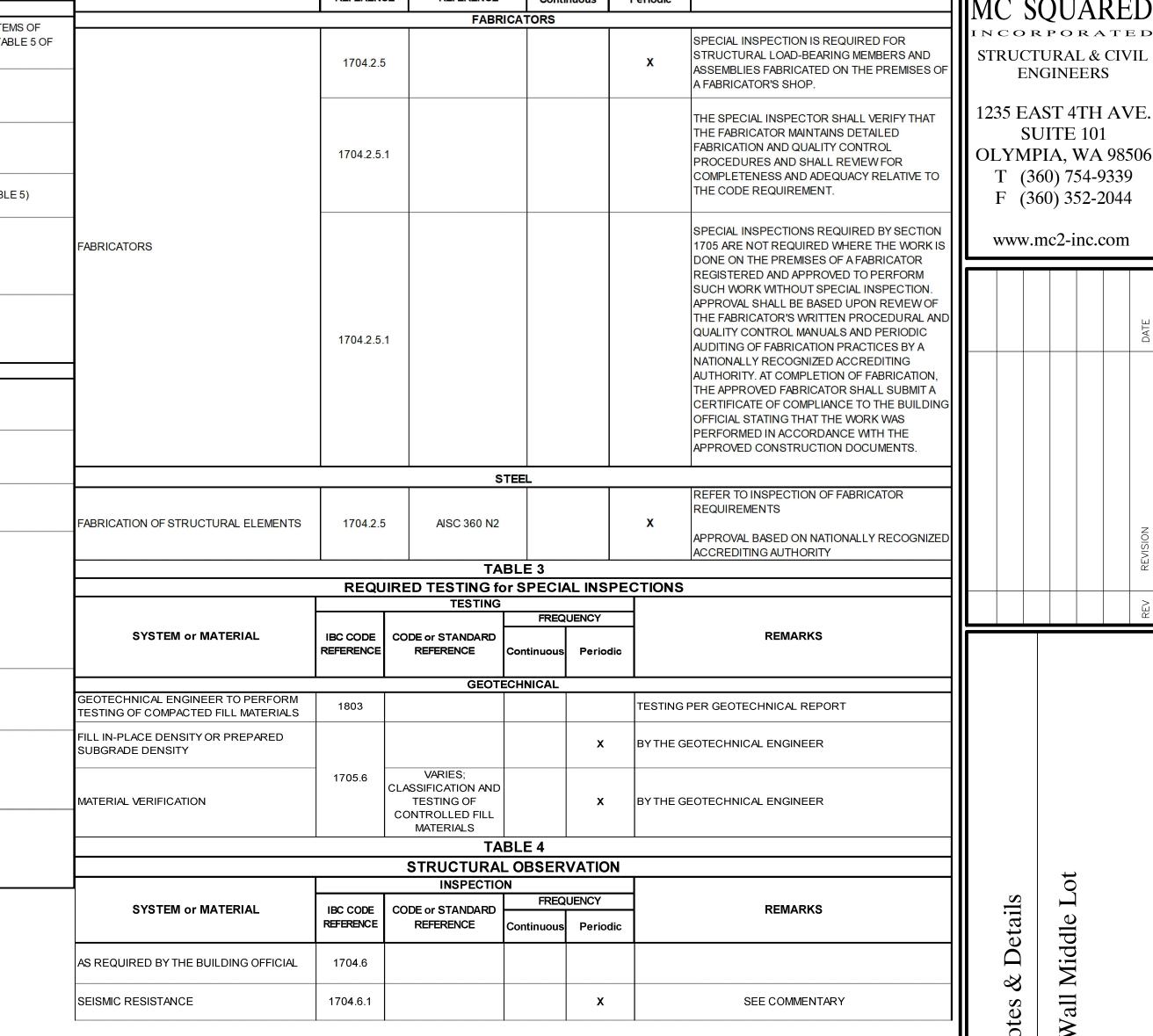
DRAWING DISCREPANCIES
The contractor shall alert MC Squared, Inc. of any discrepancies found on the drawings, such as missing data, typos, or any other items that do not make good sense.

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.

Traffic / Surface Surcharge = q Bq X	
For street traffic use Soldier Pile Wall q = 250 psf Existing Grade Timber Lagging	with
0.5X  2Bq  0.4(1-X/H) q  Base of Excavation	H
Surcharge Pressure  35 pcf (Level Backslope) 45 pcf (5' max. 1H:1V  Backslope) 55 pcf (>5'1H:1V  Backslope)  Active Pressure Passive Pressure	Z

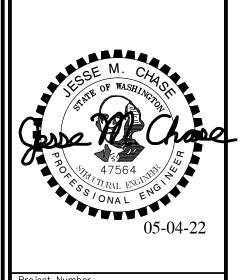
SOIL PRESSURE DISTRIBUTION

	TABLE 1  REQUIRED GEOTECHNICAL SPECIAL INSPECTIONS						TABLE 2  REQUIRED STRUCTURAL SPECIAL INSPECTIONS					
$\sim$	A SECURITY OF THE PROPERTY OF			SPECTIONS		REQUIR			PECTIONS			
ed		NEW 2 Sentille	INSPECTION		201				INSPECTIO			REMARKS
rk	SYSTEM or MATERIAL	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	FREQUENC		REMARKS	SYSTEM or MATERIAL	IBC CODE	CODE or STANDARD	FREQUE	ENCY	REMARKS
$\vdash$				Continuous Pe SOILS	riodic	ı	-1	REFERENCE	REFERENCE	Continuous	Periodic	
$\vdash$				JOILS					FABRICATO	ORS		
CI	EOTECHNICAL INVESTIGATIONS	TABLE				GEOTECHNICAL INVESTIGATION SHALL INCLUDE ITEMS OF SPECIAL INSPECTION AND TESTING AS NOTED IN TABLE 5 OF						SPECIAL INSPECTION IS REQUIRED FOR
GE	EUTECHNICAL INVESTIGATIONS	1705.6				THE GUIDELINES						STRUCTURAL LOAD-BEARING MEMBERS AND
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						THE GOIDELINES		1704.2.5			Y	ASSEMBLIES FABRICATED ON THE PREMISES OF
VE	RIFY MATERIALS BELOW SHALLOW	TABLE										A FABRICATOR'S SHOP.
	DUNDATIONS ARE ADEQUATE TO ACHIEVE	1705.6			X	BY THE GEOTECHNICAL ENGINEER						
TH	HE DESIGN BEARING CAPACITY	1700.0									-	THE SPECIAL INSPECTOR SHALL VERIFY THAT
VF	ERIFY EXCAVATIONS ARE EXTENDED TO	•										THE FABRICATOR MAINTAINS DETAILED
	ROPER DEPTH AND HAVE REACHED	TABLE			X			4704054				FABRICATION AND QUALITY CONTROL
PF	ROPER MATERIAL	1705.6						1704.2.5.1				PROCEDURES AND SHALL REVIEW FOR
												COMPLETENESS AND ADEQUACY RELATIVE TO
	ERFORM CLASSIFICATION AND TESTING OF	TABLE			X	TESTING OF COMPACTED FILL MATERIALS (SEE TABLE 5)						THE CODE REQUIREMENT.
CC	DMPACTED FILL MATERIALS	1705.6				,						
	EDITATION OF BRODER MATERIALS											SPECIAL INSPECTIONS REQUIRED BY SECTION
	ERIFY USE OF PROPER MATERIALS, ENSITIES AND LIFT THICKNESSES DURING	TADIE					FABRICATORS					1705 ARE NOT REQUIRED WHERE THE WORK IS
	ENSITIES AND LIFT THICKNESSES DURING LACEMENT AND COMPACTION OF	TABLE 1705.6		x		BY THE GEOTECHNICAL ENGINEER	TABLIO TOTO					DONE ON THE PREMISES OF A FABRICATOR
	DMPACTED FILL	1700.0										REGISTERED AND APPROVED TO PERFORM
												SUCH WORK WITHOUT SPECIAL INSPECTION.
	NOD TO BUACEMENT OF THE STATE O						1				1	APPROVAL SHALL BE BASED UPON REVIEW OF
	RIOR TO PLACEMENT OF COMPACTED FILL, BSERVE SUBGRADE AND VERIFY THAT	TABLE			v							THE FABRICATOR'S WRITTEN PROCEDURAL AND
	TE HAS BEEN PREPARED PROPERLY.	1705.6			^			1704.2.5.1				QUALITY CONTROL MANUALS AND PERIODIC
0.,	TETINO BEENT INCIDENCE TROPERTY.											AUDITING OF FABRICATION PRACTICES BY A NATIONALLY RECOGNIZED ACCREDITING
		•	DRIVEN DEEP FO	UNDATION E	EMEN.	TS	7					AUTHORITY. AT COMPLETION OF FABRICATION,
VF	ERIFY ELEMENT MATERIALS, SIZES AND						7					THE APPROVED FABRICATOR SHALL SUBMIT A
	ENGTHS COMPLY WITH THE	TABLE		x		BY THE GEOTECHNICAL ENGINEER						CERTIFICATE OF COMPLIANCE TO THE BUILDING
	EQUIREMENTS	1705.7										OFFICIAL STATING THAT THE WORK WAS
							-				I	PERFORMED IN ACCORDANCE WITH THE
	ETERMINE CAPACITIES OF TEST LEMENTS AND CONDUCT ADDITIONAL	TABLE		x		OBSERVATION BY GEOTECHNICAL ENGINEER						APPROVED CONSTRUCTION DOCUMENTS.
	DAD TESTS, AS REQUIRED	1705.7		^		OBSERVATION DI GEUTEURINICAL ENGINEER						
									STEEL	i.		
	SPECT DRIVING OPERATIONS AND ANTAIN COMPLETE AND ACCURATE	TABLE										REFER TO INSPECTION OF FABRICATOR
	ECORDS FOR EACH ELEMENT	1705.7		Х			FABRICATION OF STRUCTURAL ELEMENTS	1704.2.5	AISC 360 N2		x	REQUIREMENTS
							ADDITION OF STRUCTURAL ELEMENTS	1704.2.5	AISC 300 INZ		100 T	APPROVAL BASED ON NATIONALLY RECOGNIZED
	ERIFY PLACEMENT LOCATIONS AND						1					ACCREDITING AUTHORITY
	UMBNESS, CONFIRM TYPE AND SIZE OF								TABLE	3	L.	
	AMMER, RECORD NUMBER OF BLOWS PER	TADLE						REQUIE	RED TESTING for SP		ECTIONS	
	OOT OF PENETRATION, DETERMINE EQUIRED PENETRATIONS TO ACHIEVE	TABLE 1705.7		X				1,754011	TESTING			
	EQUIRED PENETRATIONS TO ACHIEVE ESIGN CAPACITY, RECORD TIP AND BUTT	1/05./						<del>                                     </del>		FREQUENCY	<del> </del>	
	EVATIONS AND DOCUMENT AND DAMAGE						SYSTEM or MATERIAL	IBC CODE   C	CODE or STANDARD	1		REMARKS
	FOUNDATION ELEMENT						J.J. III. JI III. LIVAL	REFERENCE		inuous Periodio	c	
FC	DR STEEL ELEMENTS, PERFORM	TABLE						1	I GEOTECHN	ICAL		
AD	DITIONAL INSPECTIONS IN ACCORDANCE	TABLE 1705.7					GEOTECHNICAL ENGINEER TO PERFORM	1803			TESTING D	PER GEOTECHNICAL REPORT
1//	ITH SECTION 1705.2	1,00.1					TESTING OF COMPACTED FILL MATERIALS	1000			TESTING F	2. SECTEO INTO PETICLE OIL
VV.							FILL IN-PLACE DENSITY OR PREPARED				DVTUE OF	OTECHNICAL ENGINEED
***************************************	DR CONCRETE ELEMENTS AND						SUBGRADE DENSITY			X	RA LHE GE	OTECHNICAL ENGINEER
FO	ONCRETE-FILLED ELEMENTS, PERFORM	TABLE						-	VARIES;			
FO	DITIONAL INSPECTIONS IN ACCORDANCE	1705.7						1705.6 C	VARIES; LASSIFICATION AND			
FO CC AD							MATERIAL VERIFICATION		TESTING OF	x	BY THE GE	OTECHNICAL ENGINEER
FO CC AD	ITH SECTION 1705.3								CONTROLLED FILL			
FO CC AD WI	ITH SECTION 1705.3								MATERIALS			
FO CC AD WI	DR SPECIALTY ELEMENTS, PERFORM								TABLE	4		
FO AD WI FO AD	DR SPECIALTY ELEMENTS, PERFORM DDITIONAL INSPECTIONS AS DETERMINED	TABLE								-		■ 1
FO AD WI FO AD BY	DR SPECIALTY ELEMENTS, PERFORM DDITIONAL INSPECTIONS AS DETERMINED OF THE REGISTERED DESIGN	TABLE 1705.7									J	
FO AD WI FO AD BY	DR SPECIALTY ELEMENTS, PERFORM DDITIONAL INSPECTIONS AS DETERMINED								STRUCTURAL OB		1	
FO AD WI FO AD BY	DR SPECIALTY ELEMENTS, PERFORM DDITIONAL INSPECTIONS AS DETERMINED OF THE REGISTERED DESIGN								STRUCTURAL OB INSPECTION	SERVATION	ı —	
FO AD WI FO AD BY	DR SPECIALTY ELEMENTS, PERFORM DDITIONAL INSPECTIONS AS DETERMINED OF THE REGISTERED DESIGN						SYSTEM or MATERIAL		STRUCTURAL OB INSPECTION CODE or STANDARD	FREQUENCY		REMARKS
FO AD WI FO AD BY	DR SPECIALTY ELEMENTS, PERFORM DDITIONAL INSPECTIONS AS DETERMINED OF THE REGISTERED DESIGN						SYSTEM or MATERIAL	IBC CODE COREFERENCE	STRUCTURAL OB INSPECTION CODE or STANDARD	SERVATION		REMARKS
FO AD WI FO AD BY	DR SPECIALTY ELEMENTS, PERFORM DDITIONAL INSPECTIONS AS DETERMINED OF THE REGISTERED DESIGN						SYSTEM or MATERIAL	REFERENCE	STRUCTURAL OB INSPECTION CODE or STANDARD	FREQUENCY		REMARKS
FO AD WI FO AD BY	DR SPECIALTY ELEMENTS, PERFORM DDITIONAL INSPECTIONS AS DETERMINED OF THE REGISTERED DESIGN						SYSTEM or MATERIAL  AS REQUIRED BY THE BUILDING OFFICIAL		STRUCTURAL OB INSPECTION CODE or STANDARD	FREQUENCY		REMARKS
FO AD WI FO AD BY	DR SPECIALTY ELEMENTS, PERFORM DDITIONAL INSPECTIONS AS DETERMINED OF THE REGISTERED DESIGN							REFERENCE	STRUCTURAL OB INSPECTION CODE or STANDARD	FREQUENCY		REMARKS



Project
Soldier Pile Wall Middle Lot
9617 S.E. 64th St.
Mercer Island, WA

Designed By JAG Drawn By CLH, GHM 05-04-22



2022-0034

S1.0

