STRUCTURAL NOTES General Notes:

These structural notes supplement the drawings. Any discrepancy found among the drawings, these notes, and the site conditions shall be reported to the Engineer, who shall correct such discrepancy i writing. Any work done by the Contractor after discovery of such discrepancy shall be done at the Contractor's risk. The Contractor shall verify and coordinate the dimensions among all drawing prior to proceeding with any work or fabrication. The Contractor is responsible for all bracing and shoring during construction.

All construction shall conform to the applicable portions of the latest edition of the International Buildin Code and ASCE 7, except where noted.

Contractor can propose optional anchor rod systems for review & approval by the Engineer of Record

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:

Design Criteria:

Soil

Live Load

All plan dimensions are based on the architectural drawings. The architectural drawings' dimensions should be used for construction of the project.

CAUTION: CONTRACTOR TO FIELD VERIFY ALL CONDITIONS AND ALL ELEVATION.

Risk Category II = 240 PSF (Surcharge)

= See Site Exploration Report by Quality GEO NW Dated 03/14/2022

35.1 Deg., Average Angle of Internal Friction 115 PCF, Average Soil Unit Weight

45 PCF, Active Lateral Earth Pressure 94 PCF, Active Lateral Earth Pressure (w/ Backslope)

MAX BACKSLOPE

200 PCF, Passive Lateral Earth Pressure

Soil is assumed to be free draining granular backfill with little or no fines or organics to impede wat

- All misc. steel shall be ASTM A36 except as noted.
- All bolts shall be ASTM F3125 Gr. A325, except as noted. Channel splice connection shall use slip-critical A325SC-DTI bolts.

200 PCF PASSIVE LATERAL EARTH PRESSURE

- Sheet piles shall be ASTM A588 or ASTM A690 or ASTM A572 Gr. 50.
- Welding shall be by AWS certified welders with E70 electrodes in accordance with AWS

		INSPECTIO	N			
SYSTEM or MATERIAL	IBC CODE CODE or STANDARD		FREQUENCY		REMARKS	
	REFERENCE	REFERENCE	Continuous	Periodic		
			SOILS			
SEOTECHNICAL INVESTIGATIONS	TABLE 1705.6				GEOTECHNICAL INVESTIGATION SHALL INCLUDE ITEMS OF SPECIAL INSPECTION AND TESTING AS NOTED IN TABLE 5 THE GUIDELINES	
ÆRIFY MATERIALS BELOW SHALLOW OUNDATIONS ARE ADEQUATE TO ACHIEVE HE DESIGN BEARING CAPACITY	TABLE 1705.6			х	BY THE GEOTECHNICAL ENGINEER	
ÆRIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	TABLE 1705.6			х		
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	TABLE 1705.6			х	TESTING OF COMPACTED FILL MATERIALS (SEE TABLE 5)	
ÆRIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	TABLE 1705.6		х		BY THE GEOTECHNICAL ENGINEER	
PRIOR TO PLACEMENT OF COMPACTED FILL, DBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	TABLE 1705.6			х		
		DRIVEN DEEP F	OUNDATION	ELEMENTS	5	
ÆRIFY ELEMENT MATERIALS, SIZES AND ENGTHS COMPLY WITH THE REQUIREMENTS	TABLE 1705.7		х		BY THE GEOTECHNICAL ENGINEER	
DETERMINE CAPACITIES OF TEST ELEMENTS ND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED	TABLE 1705.7		х		OBSERVATION BY GEOTECHNICAL ENGINEER	
NSPECT DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	TABLE 1705.7		х			
VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER GOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT AND DAMAGE TO FOUNDATION ELEMENT	TABLE 1705.7		х			
FOR STEEL ELEMENTS, PERFORM IDDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.2	TABLE 1705.7					
FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE	TABLE 1705.7					

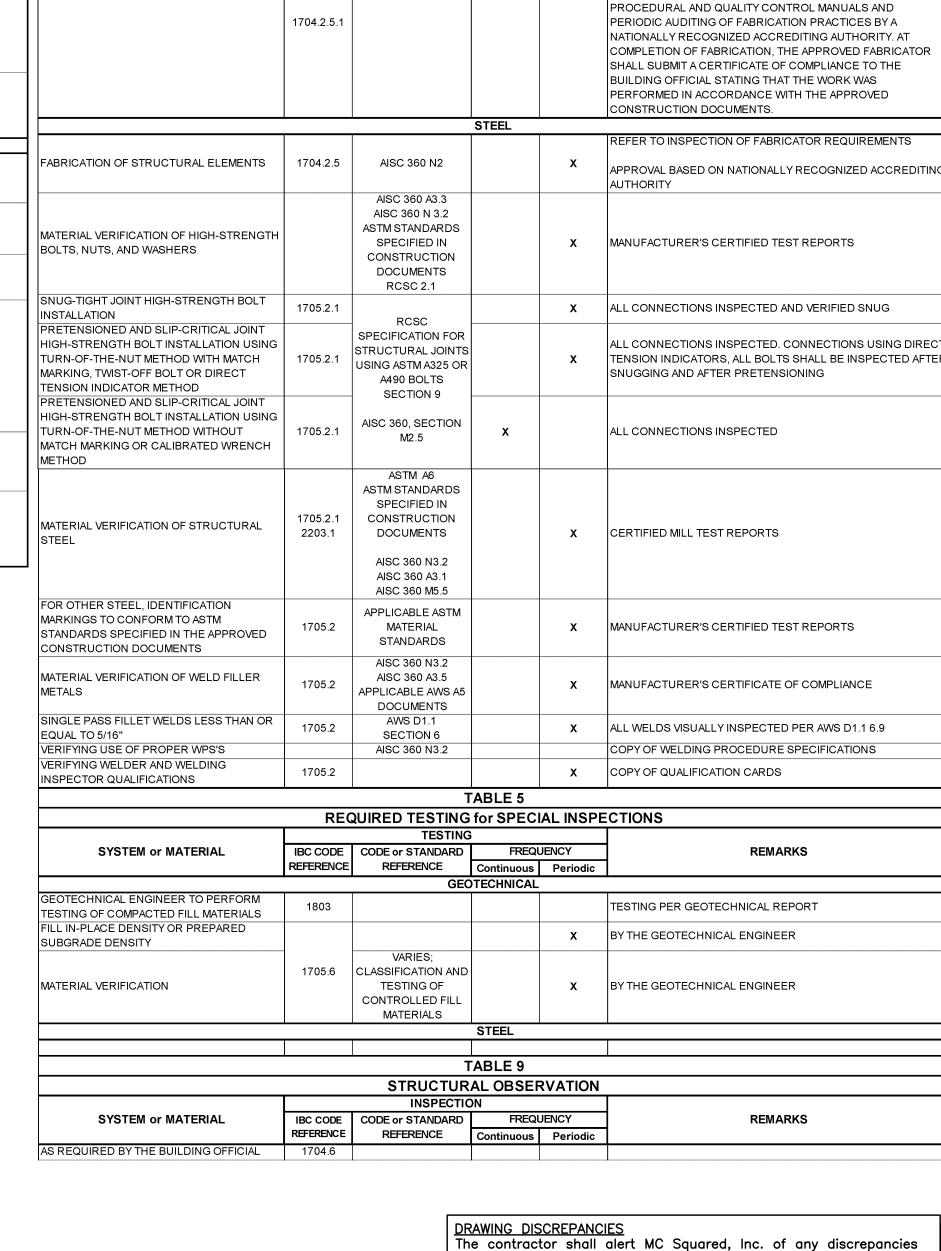


TABLE 2

REQUIRED STRUCTURAL SPECIAL INSPECTIONS

FABRICATORS

REFERENCE Continuous Periodic

REMARKS

SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-

FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY

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

BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN

SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL

COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE

BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE

THE SPECIAL INSPECTOR SHALL VERIFY THAT THE

CONTROL PROCEDURES AND SHALL REVIEW FOR

PREMISES OF A FABRICATOR'S SHOP.

REQUIREMENT.

IBC CODE CODE or STANDARD

1704.2.5

1704.2.5.1

SYSTEM or MATERIAL

FABRICATORS

- 240 PSF FROM SURCHARGE SEE GEOTECH REPORT FOR MORE INFORMATION TEMP CONDITION NO SEISMIC LOADING 45 PCF FROM ACTIVE PRESSURE 94 PCF FROM ACTIVE PESSURE W/

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.

INCORPORATEI STRUCTURAL & CIVIL

ENGINEERS 1235 EAST 4TH AVE. SUITE 101

OLYMPIA, WA 98506 T (360) 754-9339 F (360) 352-2044

www.mc2-inc.com

lG				DATE
— OT ≣R				
				REVISION
				REV

Project

Casto Sheet Pile V

561 Palouse Road

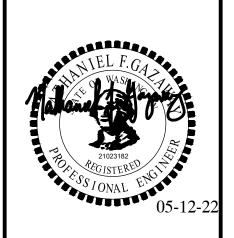
Cle Elum, WA 98922

Casto. Devin Sheet Pile NFG Drawn By CLH Checked By JMC

05-12-22

Wall

Wall Plan



2022-0291

S1.0

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