



ctions		For Properties of South Carage S Stair Replaceme Prepared For Prepared For by: by: Consulting Engineers State Project No. H27-Z217 May 11, 2015	つっっキョッキョッカー
shop aro Semate st Library Semate st South Carolina State Library Semate st Semate st STE	LOCATION MAP	ers Caroli	ע ס ס



9

e a st

	 Steel Stairs: All stair framing shall be designed by the stair manufacturer to support all dead loads plus a minimum live loading of 100 PSF. Provide steel hangers, clip angles, etc. as required to support stair framing from the structure. Shop drawings for all stairs shall be sealed by a Professional Engineer registered in the State of South Carolina and shall state that all stair components have been designed to the specified loadings and comply with the Ineternational Building Code 2012. 	 Structural and Miscellaneous Steel Notes All structural and miscellaneous steel shall conform to the Fourteenth Edition of the AISC "Specification for Structural Steel Buildings" and all its supplements, and to the AISC "Code of Standard Practice for Steel Buildings and Bridges". All welded connections shall be done with E70XX electrodes with 3/16" min. material. All welding shall comply with AWS D1-1 structural welding code the latest edition. All welded coannections shall be done with E70XX electrodes with 3/16" min. material. All welding shall comply with AWS D1-1 structural welding code the latest edition. All bolts shall be Group A (A325), unless otherwise noted. The structural steel shall have one coat of finish paint of color determined by the owner. Prior to painting, all steel surfaces shall be prepared in accordance with SSPC-SP3. The finish paint used shall be compatible for applying over hot dipped galvanized coating. For duplex coatings (galvanized + painted) the steel shall be unquerched (or ASTM approved method). All paints shall be approved by the Owner/Architect prior to their use. Fabrication and assembly of bolted connections shall comply with applicable sections of AISC "Specification for Structural Joints using ASTM A325 or A490 bolts." No openings in beams shall be permitted without the written permission of the engineer. The use of a gas-cutting torch in the field for cutting holes or for correcting fabrication approval of the Engineer for each specification. An independent inspection agency shall be employed by the owner and approved by the engineer to inspect the structural steel in the field and verify that it conforms to the requirements of the contract documents. All structural steel shall be hot-dipped galvanized according to ASTM 153. All galvanizing damaged by welding shall be repaired by Z.R.C. cold galvanizing paint. 	 Serreral Notes: Design Specifications: International Building Code (2012 Edition): Deal load: Actual Star Live Load:: 100 PSF Risk Category: II The construction falsework / shoring design (if any) is the responsibility of the Contractor. The design shall be performed by a Registered Engineer and shall be submitted for approval before commencing of the work. Where a detail is shown on Structural drawings for one condition, it shall approval before commencing of the work. All items shall be tightly anchored or attached square, plumb, and true, or in other plares and snapes a shown on the drawings and specifications, without written approval of the Project Engineer. The dimensions shown with a suffix "a" are approximate and shall be verified by the Contractor finds any other conditions, which prohibit execution of the work a stirted in these drawings, the Contractor shall notify the Engineer. The owner shall employ a laboratory to perform the quality assurance, second three approval to the Engineer. Any revision/modification to the original design during the shop drawing sociated with cortracting shall be approved by the Engineer. Any revision/modification to the original design during the shop drawing sociated with cortracting the unapproved by the Engineer. All products used are proved by the Engineer in writing before fabrication. Any costs associated with correcting the unapproved change shall be at the Contractor approved by the Engineer. All products used are recommended. Any other product to be used must be equal and approved by the Engineer in writing before fabrication and the receive approval by the Engineer. Proper precautions/abatement shall be taken to determine the presence of explained. Proper precautions/abatement shall be taken to determine the presence of environment in and mear the construction site. Reequised patient on the esisting proved change shall be taken to altera
3 - Stair Replacen	Conc. filled steel pan - landing 2 C3x4.1 (2) 5/8"Ø HAS anchor w/ HIT-HY 200 adhesive. Min. 6" embedment., typ. See 4/S4.0 MC 12x10.9' typ.	Stair Replacement	Elev. 77.5'± Elevati shaft Elev. <u>60.</u> Elev. 20.









File: 393239E-S.dwg

Project No.: 393239E



e: 1/2" = 1'-0"	₹.
2 - Section Scale: 1 1/2" = 1'-0"	New MC12x10.9 adresive. Mn. 4' embedment @ 2'0' o.c. max 2'0' o.c. max
3 - Section	

THESE DOCUMENTS AND THE INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF CHAO & ASSOCIATES, INC. AND MAY NOT BE USED FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF



Sheet Number 5/11/15 Date	
---------------------------------	--

Drawn: PR	Checked:	BD		
Revised:				
File: 393239E-S.	dwg Pr	oject No.:	393239E	

Replacement Sections and Details Pendleton Garage Stair Replacement Prepared For: University of South Carolina, Columbia, SC



Scale: 1" =

1'-0"

Chao & Associates, Inc. Civil - Structural - Survey 7 Clusters Court Columbia, SC 29210 Voice: (803) 772-8420 Fax: (803) 772-9120 Email: consult@chaoinc.com

