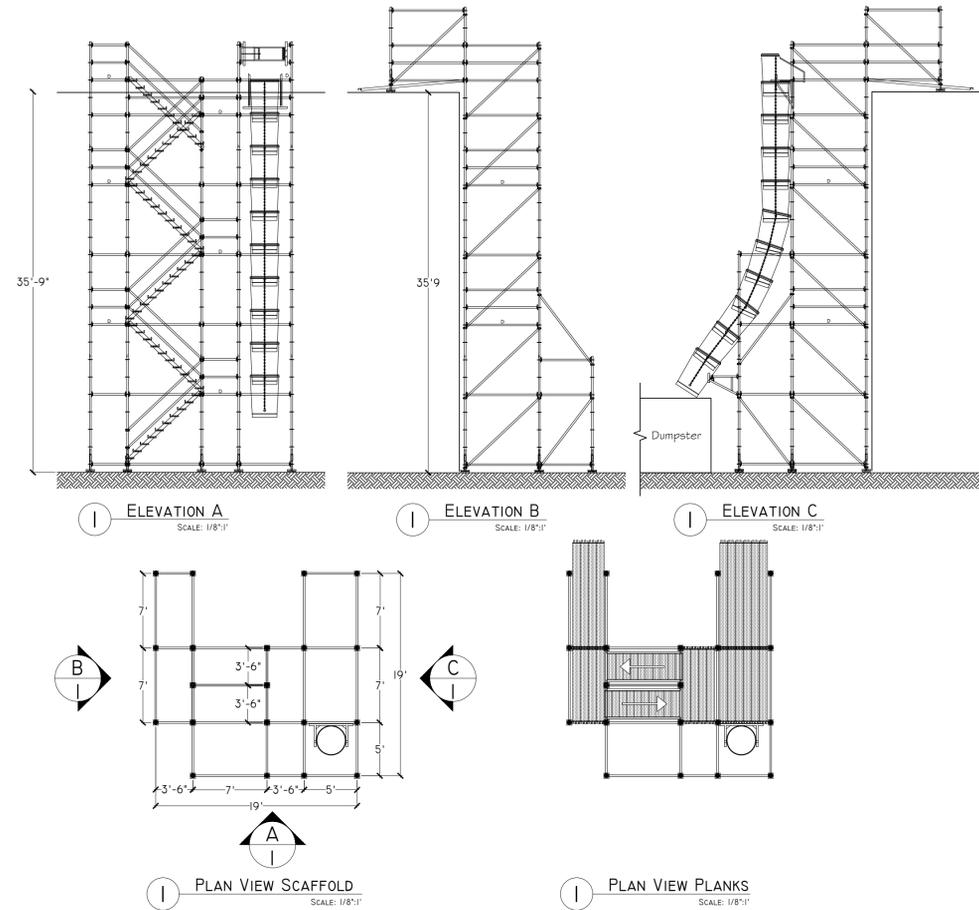
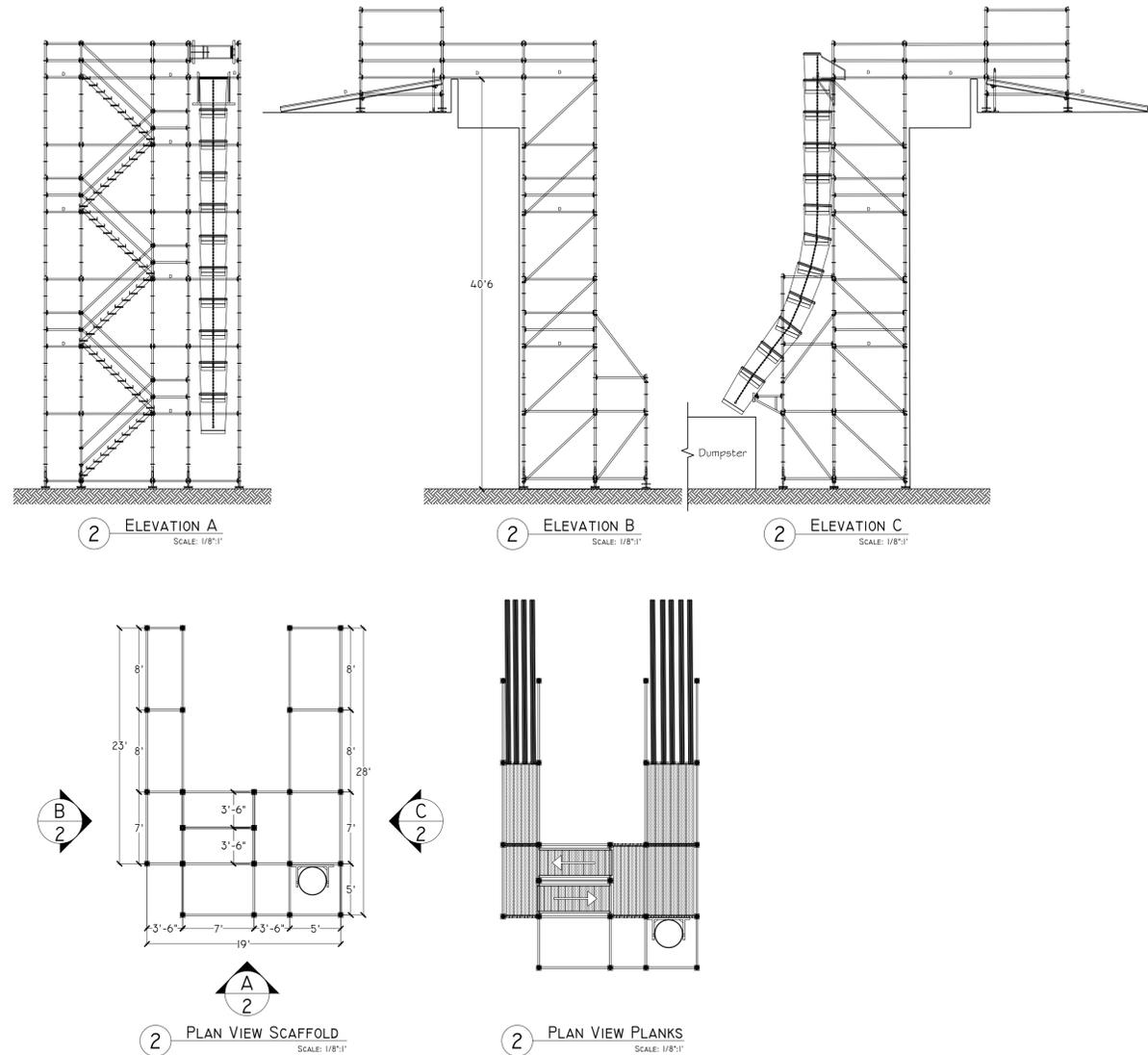


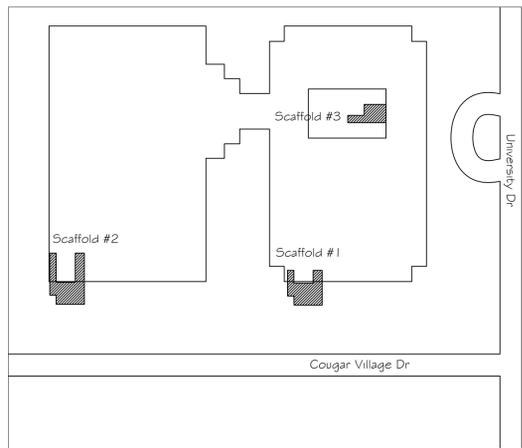
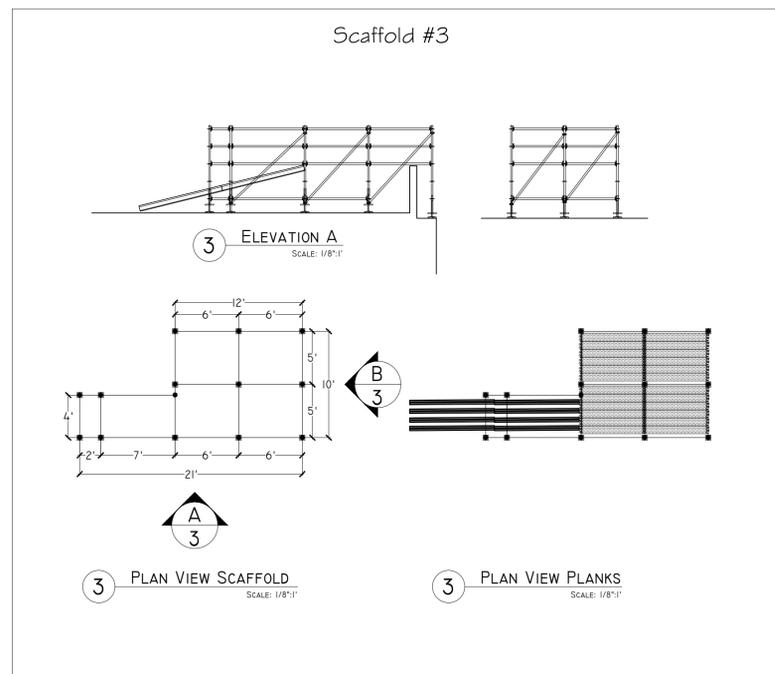
Scaffold #1



Scaffold #2



Scaffold #3



Engineer's notes

The engineer whose seal is affixed to this drawing is responsible only for the performance of the product(s) supplied by Betco Scaffolds. Sealing of this drawing does not imply or constitute that Betco's consulting engineer is the engineer-of-record or the design professional for this project. Other parts/items supplied by anyone other than Betco are specifically excluded. Betco and/or Betco's consulting engineer is not responsible for the existing structure's capability of supporting the dead and live loads imposed upon it by the scaffold/shoring structure's base as shown. It is the end user's responsibility to verify with the project's engineer-of-record that the structure can safely support all loads imposed upon it by the scaffolding/shoring base (analysis of the existing structure is not in Betco's engineer's scope of work). No inspection or supervision is implied.

IMPORTANT
GENERAL NOTES MUST BE READ CAREFULLY BEFORE PROCEEDING WITH WORK.

GENERAL NOTES

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- THIS DRAWING HAS BEEN PREPARED FROM INFORMATION SUPPLIED BY THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE DESIGN DIMENSIONS AND APPLIED LOADS ARE IN ACCORDANCE WITH HIS REQUIREMENTS. ANY DISCREPANCY IS TO BE REPORTED TO BETCO BEFORE PROCEEDING WITH WORK.
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- THIS DRAWING AND THE INFORMATION IT CONTAINS IS THE PROPERTY OF BETCO AND MUST NOT BE COPIED, TRACED, OR MISUSED IN ANY WAY.
- PLYWOOD DESIGN IS BASED ON DOUGLAS FIR PLYWOOD ASSOCIATION'S TECHNICAL DATA HANDBOOK WITH THE FACE GRAIN OF THE PLYWOOD RUNNING AT RIGHT ANGLES TO ITS SUPPORT.
- SUITABLE SILLS MUST BE PROVIDED TO PROPERLY DISTRIBUTE LOADS IMPOSED BY SHORING AND SCAFFOLDING SYSTEMS OVER THE GROUND OR SUPPORTING FOUNDATION TO ASSURE ADEQUATE STABILITY FOR ALL SHORING OR SCAFFOLDING LEGS.
- RE-SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE THOROUGHLY CHECKED BY THE ARCHITECT AND/OR ENGINEER TO DETERMINE THAT PROPER PLACEMENT AND SUFFICIENT CAPACITY EXISTS TO SUPPORT AREAS BEING RE-SHORED.
- SHORING AND SCAFFOLDING SHOULD BE ERRECTED AND MAINTAINED IN ACCORDANCE WITH APPROVED DESIGN AND INSTRUCTIONS FURNISHED BY BETCO IN COMPLIANCE WITH APPLICABLE GOVERNMENTAL REGULATIONS, CODES, ORDINANCES, AND RULES. ERECTION PROCEDURES ARE PUBLISHED BY THE SCAFFOLD SHORING INSTITUTE.
- SCAFFOLD BOARDS, GUARDRAILS, MIDRAILS, AND TOEBARDS MUST MEET AND BE INSTALLED AS REQUIRED BY GOVERNMENTAL REGULATIONS, CODES, AND ORDINANCES.
- BUTT AND THE SCAFFOLDING TO STRUCTURE EVERY 20 FEET MAX. VERTICALLY AND 30 FEET MAX. HORIZONTALLY, OR AS OTHERWISE NOTED.
- LEGS OF SHORING AND SCAFFOLDING SYSTEM MUST BE STRAIGHT AND PLUMB.
- DO NOT ATTACH FABRIC OR OTHER MATERIALS TO SHORING AND SCAFFOLDING SYSTEM. THIS MAY RESULT IN EXCESSIVE WIND LOADING.
- TIMBER DETAILS SHOWN ARE SUGGESTED SIZES AND ARE BASED ON THE FOLLOWING ALLOWABLE LIMIT STRESSES:
 - 13.1. FIBER STRESS IN BENDING 1,500 PSI
 - 13.2. HORIZONTAL SHEAR 96 PSI
 - 13.3. MODULUS OF ELASTICITY 1.2x10⁶ PSI
- MAXIMUM LEG CAPACITY IS 4,700 LBS. WITH A SAFETY FACTOR OF 4:1
- MAXIMUM OF 1 LEVELS TO BE WORKED AT SAME TIME, WITH NO MORE THAN 4 MEN AT EACH BAY.
- THE CONCRETE SUPPORTED BY SHORING ON THIS LAYOUT IS ASSUMED TO WEIGH ___ LBS. PER CUBIC FOOT.
- THE DESIGN LAYOUT INCLUDES A LIVE LOAD OF 25 LBS. PER SQUARE FOOT (PSF) WHICH DOES NOT INCLUDE PROVISIONS FOR MOTORIZED CONCRETE EQUIPMENT.
- APPROXIMATE AMOUNTS OF SCREW JACK EXTENSIONS HAVE BEEN NOTED. THESE EXTENSIONS MAY REQUIRE ADJUSTMENT DUE TO FIELD CONDITIONS. HOWEVER, THE MAXIMUM SCREW JACK EXTENSIONS FOR THIS LAYOUT ARE LIMITED TO ___ INCHES TOP AND 12 INCHES BOTTOM.

DRAWING STATUS

- ___ PRELIMINARY DETAILS ONLY - NOT FOR CONSTRUCTION
- ___ ISSUED FOR INFORMATION PURPOSES ONLY
- ___ ISSUED FOR ARCHITECT/ENGINEER APPROVAL
- ___ ISSUED FOR CONTRACT APPROVAL
- ___ ISSUED FOR CONSTRUCTION
- ___ DESTROY ALL PREVIOUS COPIES
- ISSUED BY _____ DATE _____
- APPROVED BY _____ DATE _____

REVISIONS

No.	Description	Made By	Date
1			
2			
3			
4			
5			

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14906 Chrisman Road
Houston, Texas 77039
TBPE Firm No. F-15849



10/09/2017

George A. Amolochitis

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1-800-847-5722 FAX: (713) 869-6541

**HILTON AT UNIVERSITY OF HOUSTON
TRASH CHUTE RINGLOCK SYSTEM
HOUSTON, TX**

CUSTOMER LIQUATECH	
DESIGNED BY SAMUEL IBARRA/LEANDRO H. VIRTUOSO	
DATE 10/06/2017	
PROJECT NO. 5117-65-326	SHEET SCALE AS NOTED
PAGE NO. 1	TOTAL PAGES 1