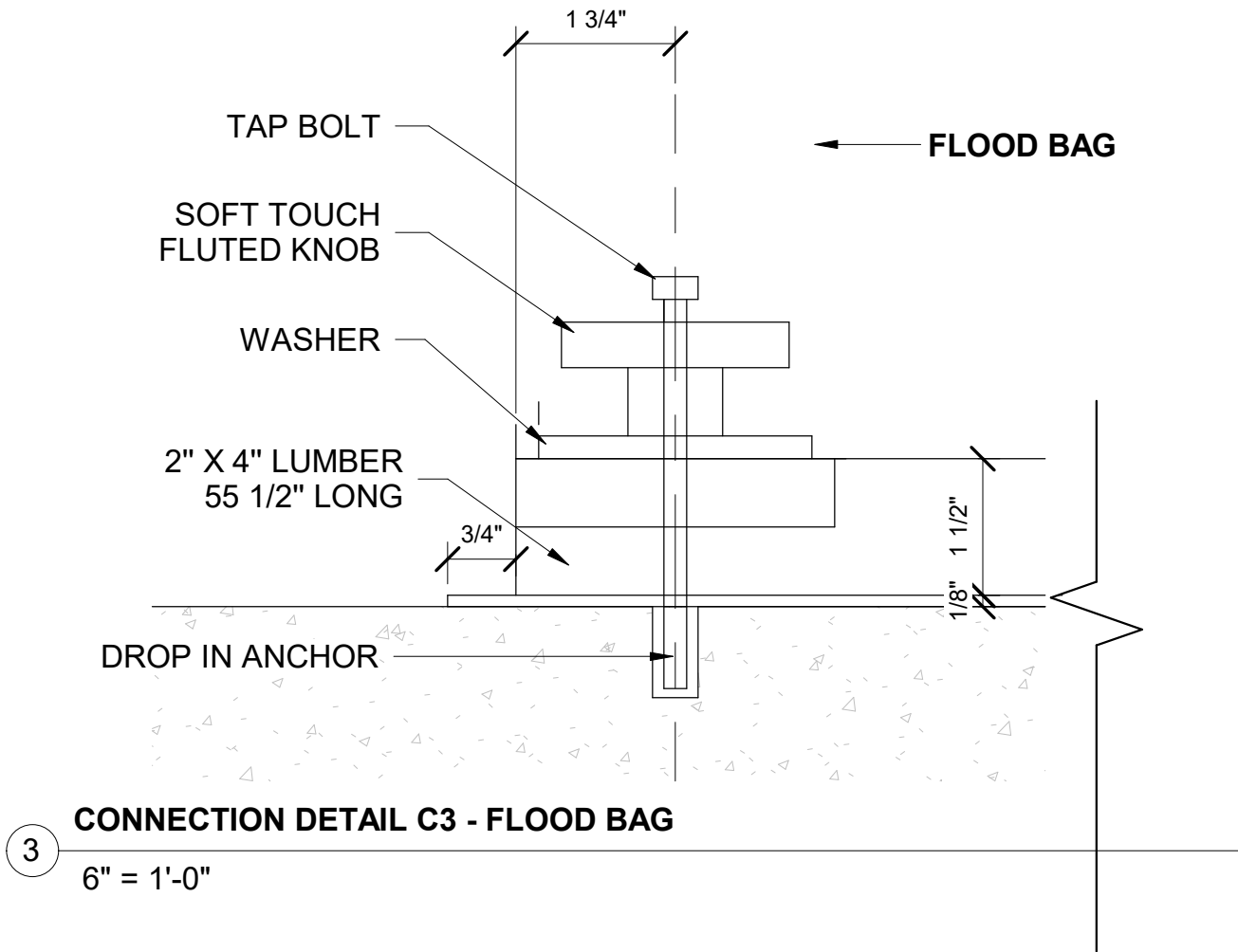


MATERIAL LIST						
ITEM N°	PANEL	TYPE	H	L	ASSY	PCS
12		2 1/2" SOFT TOUCH FLUTED KNOB	0"	0"		12
14		S.S. 3" DOCK WASHER	0"	0"		12
11		S.S. 3/8" SIDEWALK BOLT	0"	0"		12
07		S.S. 3/8" x 1 1/4" DROP IN ANCHOR	0"	0"		12
21		S.S. 3/8" x 5" TAP BOLT	0"	0"		12
47	PANEL 1	48" x 48" x 72" FLOOD BAG	72"	57"		1
300		2" x 4" LUMBER 55 1/2" LONG	0"	0"		4



GENERAL NOTES:

STORAGE-HANDLING

DO NOT STORE FLOOD PANELS IN A MANNER THAT WILL COMPRESSOR DAMAGE GASKETS OR THAT WILL CAUSE DAMAGE TO THE PANELS. CHANNELS, ANGLES, OR ANCHORING HARDWARE. FLOOD RISK AMERICAS IS NOT RESPONSIBLE FOR ANY DAMAGE TO THE PANELS, GASKETS, CHANNELS, ANGLES, OR ANCHORING HARDWARE CAUSED BY STORAGE CONDITIONS.

INSTALLATION

REFER TO ALL MANUFACTURERS' INSTALLATION NOTES AND DRAWINGS. INSTALL PLUMB SQUARE, AND LEVEL INSURING CONTINUOUS AND EVEN GASKET CONTACT. DO NOT DRILL OR PENETRATE ANY SURFACE OF BARRIERS WITH OUT CONSULTING MANUFACTURER. USE ONLY FASTENERS PROVIDED BY THE MANUFACTURER (UNLESS OTHERWISE NOTED).

MAINTENANCE - INSPECTION

PERIODIC INSPECTION AND MAINTENANCE OF FLOOD BARRIER INSTALLATIONS INCLUDING SEALANT, GASKETS, ANCHORS, AND OPERATING HARDWARE IS THE RESPONSIBILITY OF THE OWNER.

STRUCTURAL REVIEW

STRUCTURAL ANALYSIS OF THE BUILDING'S CAPACITY TO WITHSTAND ALL FLOOD BARRIER SERVICE LOADS THAT ARE TRANSFERRED TO THE STRUCTURE SHALL BE PERFORMED BY THE STRUCTURE'S EOR AND IS BASED ON SERVICE LOADS AS INDICATED ON THESE PLANS. FLOOD RISK AMERICA IS NOT RESPONSIBLE TO ENSURE THE BUILDING'S ABILITY TO HANDLE THE IMPOSED LOADS AND SHALL NOT BE RESPONSIBLE FOR EXISTING / AS BUILT FIELD CONDITIONS THAT VARY FROM THESE PLANS.

PERFORMANCE

FLOOD BARRIERS ARE DESIGNED TO CONTROL SHORT TERM HYDROSTATIC , HYDRODYNAMIC AND DEBRIS IMPACT LOADS UP TO THE DESIGNED WATER HEIGHT NOTED ON THESE DRAWINGS ALONG WITH ALL LOAD REQUIREMENTS AS NOTED IN FEMA TECHNICAL BULLETIN 3-JANUARY 2021 & ASCE 24-14. ALL LOADS ARE TRANSFERRED TO THE BUILDING STRUCTURE. ALWAYS ALLOW FOR CONTROL OF ANY LEAKAGE OR CONDENSATION THAT WILL OCCUR DURING FLOODING CONDITIONS. IN APPLICATIONS WHERE THE FLOOD PANEL GASKETS CONTACT THE EXISTING BUILDING STRUCTURE, FLOORS, ETC. ALL SURFACES MUST BE SOUND, FLAT/LEVEL, AND WITHOUT BLEMISH FOR BEST PERFORMANCE.

DESIGN CRITERIA

DESIGN LOADS:

PANELS ARE DESIGNED TO WITHSTAND THE FOLLOWING:
1) HYDROSTATIC LOADS TO ELEVATION AS INDICATED ON DRAWINGS BASED ON HYDROSTATIC WATER LOAD (64 PCF)
2) HYDRODYNAMIC LOADS ON VERTICAL SURFACES OF MOVING FLOODWATERS AT 5 FEET PER SECOND
3) DEBRIS IMPACT LOAD OF A 1,000 lb OBJECT FOR A 1 SECOND DURATION

ANCHORAGE

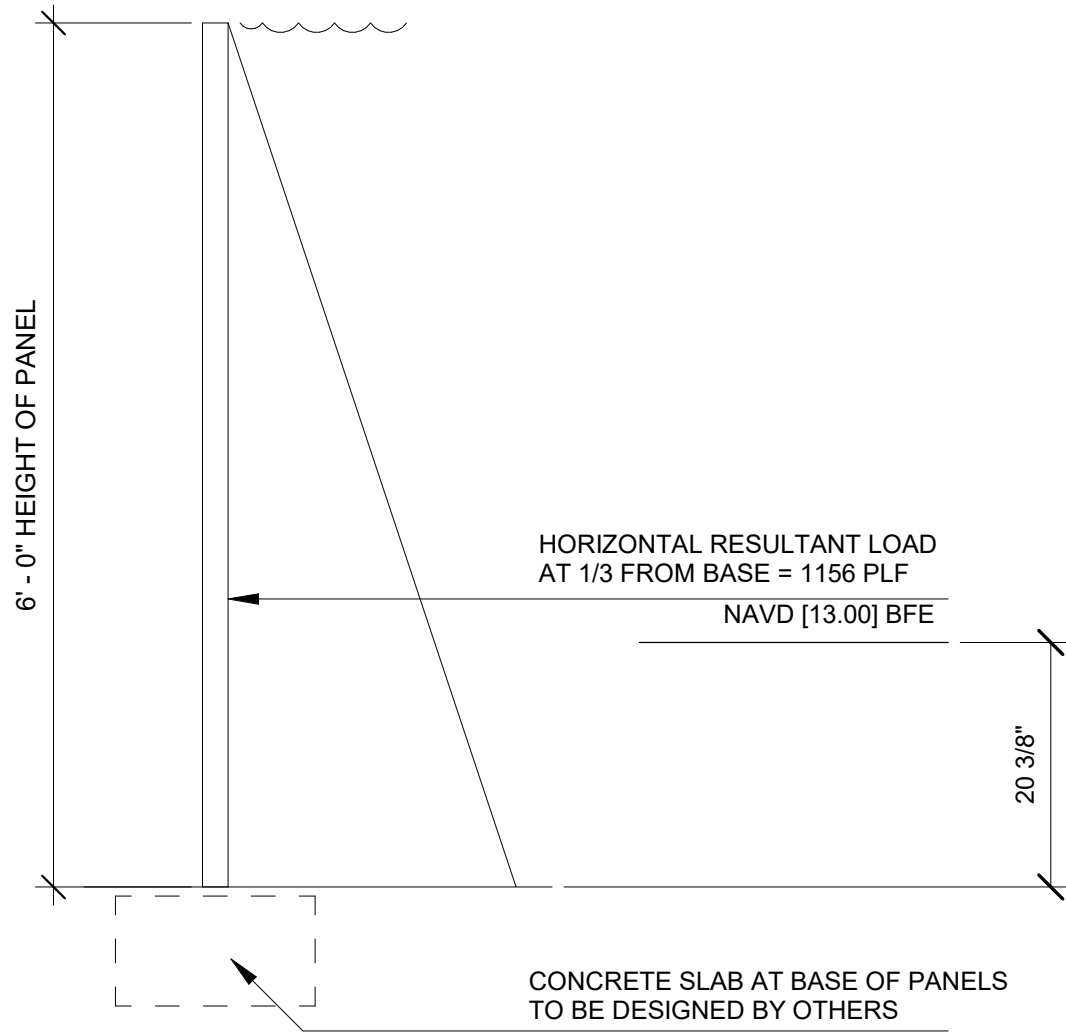
ALL ANCHOR DESIGNS ARE BASED ON ATTACHING TO STRUCTURE CALLED OUT IN THE DRAWINGS. FLOOD RISK AMERICA PANELS ARE TO BE ANCHORED INTO CEMENTITIOUS MATERIAL. ANY SUBSTRATE OTHER THAN THAT AS NOTED VOIDS THE WARRANTY OF THE PANELS AND THE ANCHORING SYSTEM. FLOOD RISK AMERICA IS NOT RESPONSIBLE FOR FASTENING OF PRODUCT INTO LESS THAN IDEAL FIELD CONDITIONS OR MOUNTING TO A STRUCTURE OTHER THAN WHAT IS DETAILED ON THE DRAWINGS.

DUE TO VARIABILITY TO EXISTING MOUNTING STRUCTURE FLOOD RISK AMERICA IS NOT RESPONSIBLE FOR STRUCTURAL FASTENER DESIGN THAT VARY FROM THESE DRAWINGS OR INTO LESS THAN IDEAL FIELD CONDITIONS. FLOOD RISK AMERICA PRODUCTS FASTENING SYSTEMS ARE DESIGNED BASED ON CONCRETE OR 8" GROUT-FILLED CMU MASONRY (ASTM C90) MOUNTING STRUCTURE, UNLESS OTHERWISE INDICATED ON THESE DRAWINGS. ANY ANCHORING SUBSTRATE THAT VARIES FROM THESE REQUIREMENTS SHALL BE EVALUATED BY FRA ENGINEERS AND FRA SHALL BE COMPENSATED FOR THE ENGINEERING OF ANCHORS MOUNTED INTO SAID VARIED SUBSTRATES .

IF FIELD CONDITIONS DIFFER FROM THESE PLANS, FLOOD RISK AMERICA REQUIRES THAT MODIFICATIONS OF THE ANCHOR MOUNTING TO THE STRUCTURE BE DESIGNED AND REVIEWED BY BUILDING'S EOR, BASED ON ACTUAL FIELD CONDITIONS, PRIOR TO APPROVING THESE DRAWINGS.

REFER TO ANCHOR MANUFACTURES TECHNICAL DATA MANUAL FOR INSTALLATION LIMITATIONS AND REQUIREMENTS.

SILL GASKET PERFORMANCE DEPENDANT ON CONDITION OF FLOOR CONTACT AREA. FLOOR CONTACT AREA SHOULD BE SOUND, FLAT/LEVEL, AND WITHOUT BLEMISH FOR BEST GASKET PERFORMANCE



FLOOD LOADING CONDITION GROUND MOUNTED

3/4" = 1'-0"

FRA SHOP DRAWING REVIEW	
☐ APPROVED ☐ APPROVED AS NOTED (RESUBMISSION NOT REQUIRED) ☐ APPROVED AS NOTED, RESUBMISSION REQUIRED ☐ REJECTED, RESUBMISSION REQUIRED	
COMPANY NAME	
SIGNATURE	DATE
PRINTED NAME	

CLIENT NAME:
PROJECT NAME:
FLOOD FABRIC COVER DATA SHEET REV 02

FLOOD RISK AMERICA



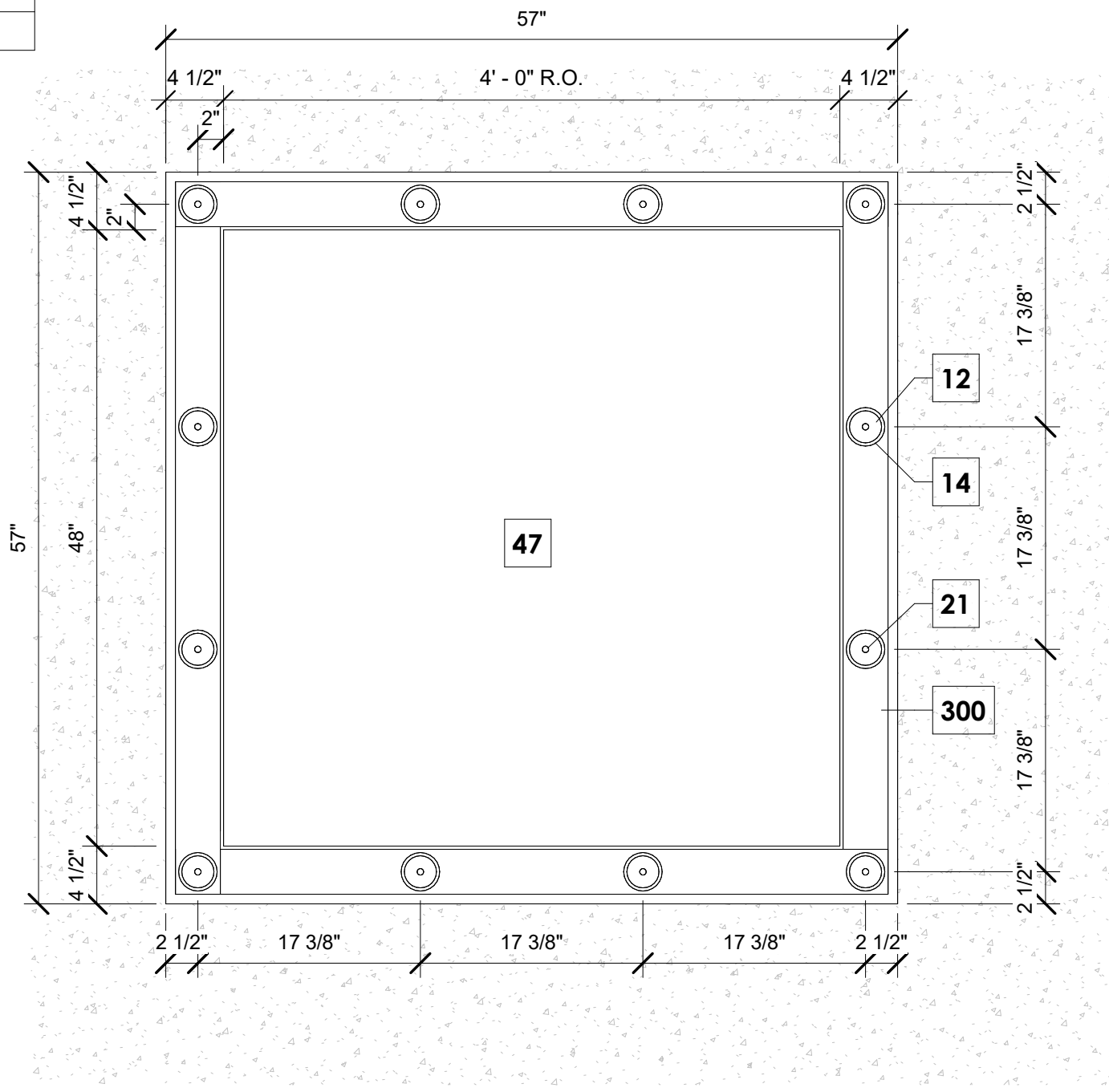
Flood Protection Solutions

720 LUCERNE AVENUE
LAKE WORTH, FLORIDA 33460
661-578-4220
www.floodriskamerica.com

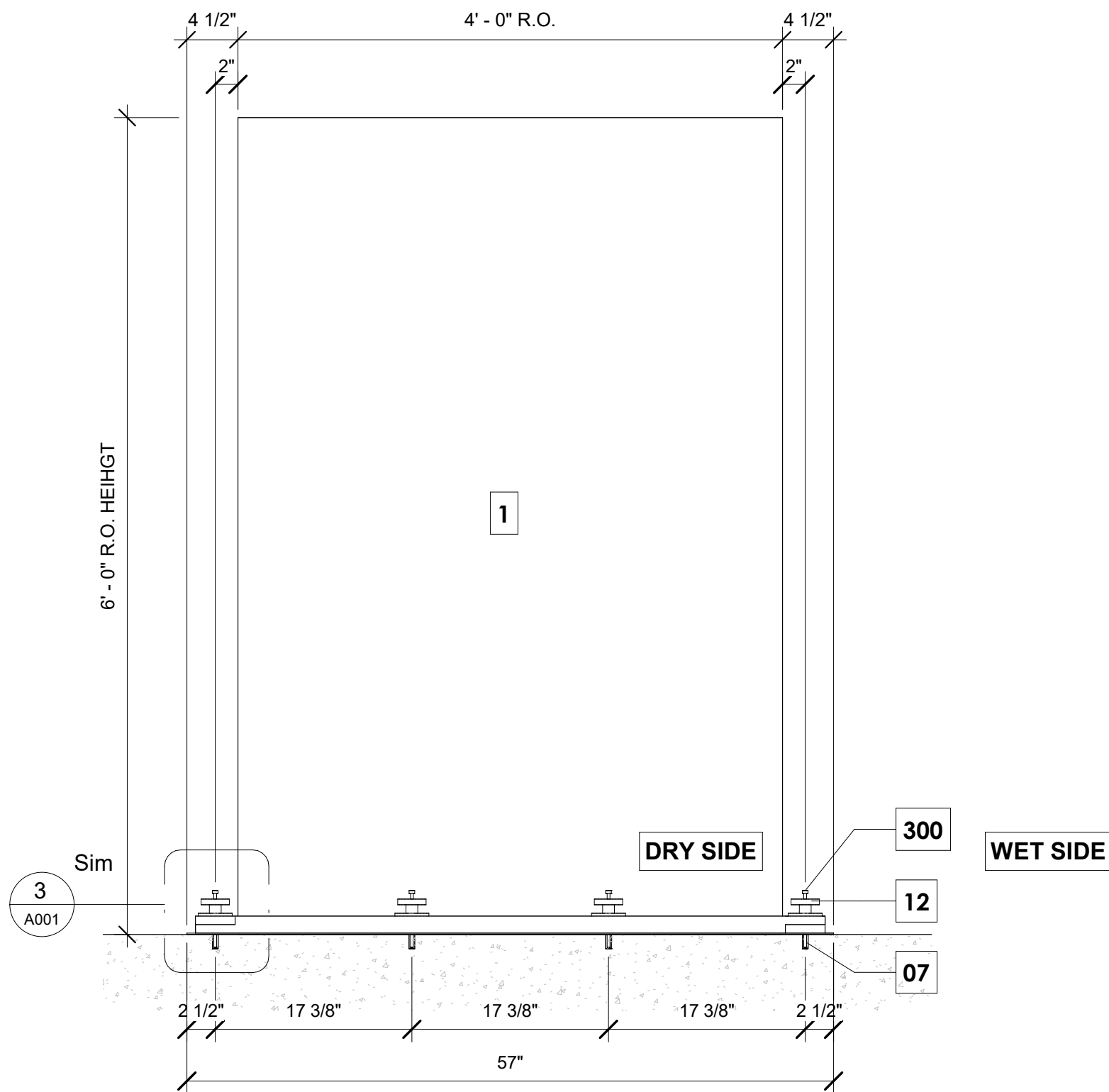
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REVISION			DATE:	FRA PROJ. NO.:
REV. #	DATE	DESCRIPTION	08.10.26	.
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			As indicated	
			DRAWN:	DWG. NO.:
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			JD	A001

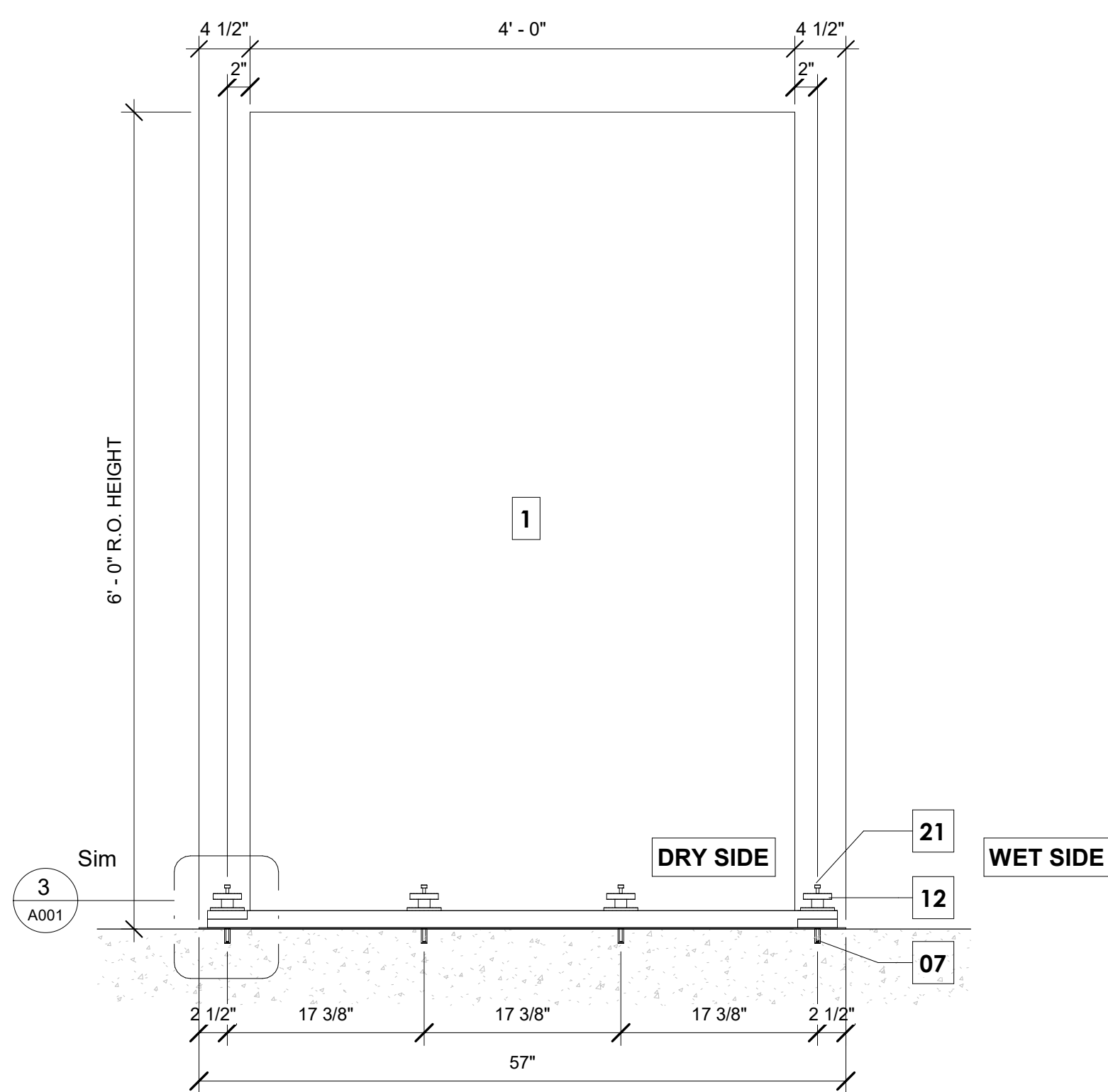
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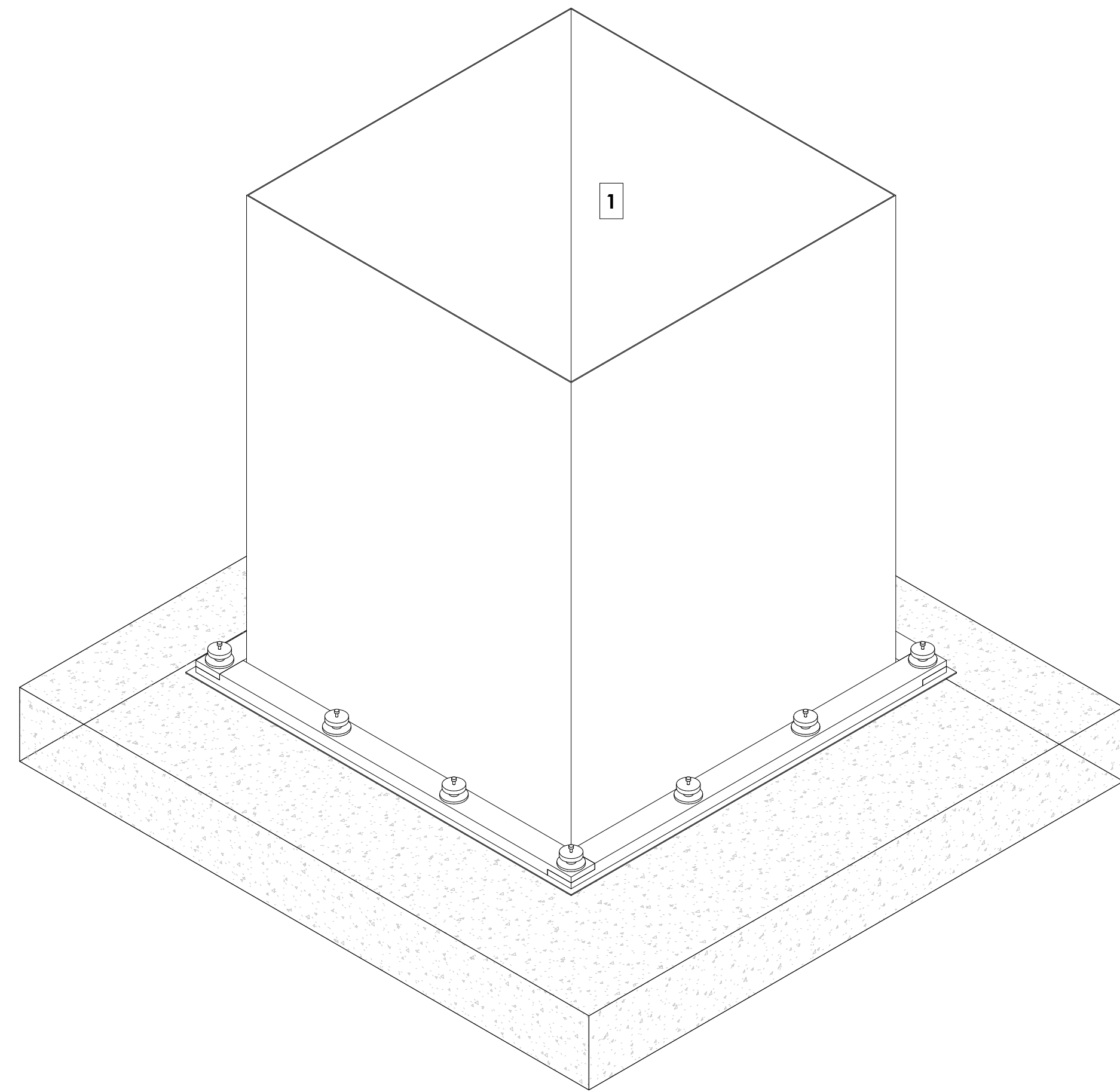
1 PANEL 1 PLAN VIEW
1" = 1'-0"



4 PANEL 1 FRONT VIEW
1" = 1'-0"



3 PANEL 1 SIDE VIEW
1" = 1'-0"



2 PANEL 1 3D VIEW

FRA SHOP DRAWING REVIEW	
☐ APPROVED	
☐ APPROVED AS NOTED (RESUBMISSION NOT REQUIRED)	
☐ APPROVED AS NOTED, RESUBMISSION REQUIRED	
☐ REJECTED, RESUBMISSION REQUIRED	
COMPANY NAME	
SIGNATURE	DATE
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REVISION		
REV. #	DATE	DESCRIPTION
DATE: 08.10.26		
SCALE: 1" = 1'-0"		
DRAWN: LL		
CHECKED: JD		
FRA PROJ. NO.:		
DWG. NO.:		
A101		