

# Slump Master III

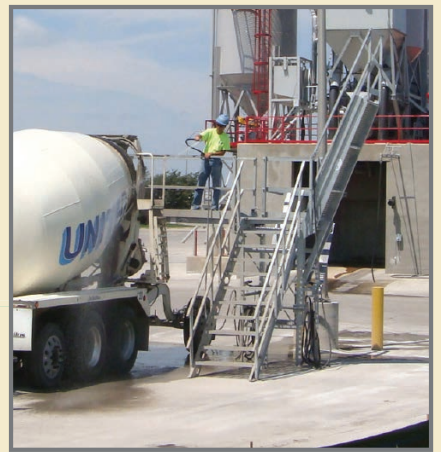
## Slump Inspection and Safety Platform for Single & Double Units

### Operating and Service Manual

\*Includes Parts List



Single Slump Master III  
with Optional Pallet Rack



Double Slump Master III



Dear Customer,

C & W Manufacturing and Sales Co. thanks you for your recent purchase of our Slump Master II safety inspection platform. Congratulations on investing into a system that provides superior quality, engineering, and customer support. C & W believes in creating lasting relationships with our customers by meeting their individual needs, and we appreciate the opportunity to serve you.

We know our customers don't want the hassle of dealing with equipment that doesn't perform like it was designed. By following this operations manual, you will enjoy the efficiency and effectiveness of the new Slump Master II system. This operations manual covers everything from principles of operation, initial start-up, additional parts, and troubleshooting to specifications of the equipment. If you need any additional assistance, please feel free to call on our C & W support team at 1-800-880-3878. For specific inquiries, please refer to the contact page for the personnel that you need.

Thank you for selecting C & W Manufacturing and Sales Co. We hope you enjoy your new system, as well as the rewards that come from teaming up with the best in the industry. If you have any other environmental needs, please remember C & W Manufacturing and Sales Co.

Thanks again for allowing us to serve you.

Sincerely,

A handwritten signature in black ink that reads "Deryl Beakley". The signature is fluid and cursive, with the first name "Deryl" and last name "Beakley" clearly distinguishable.

Deryl Beakley  
President  
C & W Manufacturing and Sales Co.



# Index

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## NOTE:

The proper installation of each Slump Master component is extremely important to the successful operation of your Slump Master Inspection Platform.



## HELPFUL TIP

This manual has been developed to answer any question you might have.

If you need further information or assistance, please give us a call.

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# Safety Precautions

## CAUTION:



- THE MAXIMUM WEIGHT ALLOWANCE FOR THE PIVOT PLATFORM IS 500 LBS. GROSS WEIGHT.
- THE MAXIMUM WEIGHT ALLOWANCE FOR THE TOWER MODULE IS 1,000 LBS. GROSS WEIGHT.
- THE SLUMP MASTER III MUST BE ANCHORED TO A CONCRETE FOUNDATION.
- BE SURE TO FOLLOW ALL DIRECTIONS AND INSTALL ALL BOLTS. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY.
- WATCH YOUR HEAD WHEN WALKING AROUND THE BASE OF THE SLUMP MASTER III, ESPECIALLY NEAR THE TOWER MODULE. INATTENTIVE PERSONNEL RISK SERIOUS INJURY.
- DO NOT STAND UNDER THE PIVOT PLATFORM OR THE TOWER MODULE.
- WHEN NOT IN USE, ALWAYS SECURE THE SLUMP MASTER III, USING THE LATCH.
- SAFETY ATTIRE SUCH AS SAFETY GLASSES AND HARD HATS SHOULD BE WORN WHEN SERVICING EQUIPMENT.
- READ THIS MANUAL COMPLETELY BEFORE INSTALLATION AND OPERATION OF THE SLUMP MASTER III.

C & W Mfg and Sales Co, its suppliers, and its dealers, are not liable for any claims, losses, labor expenses or damages, direct or consequential, resulting directly or indirectly from the use of, or inability to use, the Slump Master III or for other consequential loss or damage of any nature arising from any cause.

## Principles of Operation

Slump Master III is safe slump-inspection platform that ready-mix producers can use to provide an OSHA-compliant safe working environment for their personnel. Typical platform uses include checking the mixture's slump, adding water, inserting fiber additives, and washing mixer trucks. Major Modules include Tower, Upper and Lower Stairs, Pivot Platform, optional Washdown Platform, and optional Pallet Shelf. The modules can be combined in a variety of ways to conform to the specific needs of producers. The various configurations allow producers to use the Slump Master III with front- and rear-discharge mixer trucks, tanker trucks, and railroad cars. Other flexibilities allow workers to access stairs on the left or right side of the tower.

## Foundation

The Slump Master has been designed to sit on a 12" tall concrete foundation. It has been re-designed for left-hand or right-hand stair access. **NOTE: All illustrations in this manual show right-hand access.** Make appropriate changes for left-hand access. The foundation must be designed by a qualified engineer, including size and depth. C & W is not responsible for the design of the pad.

# Slump Master III

## Installation Procedures

### Receiving:

1. Although the unit has been thoroughly checked and inspected before leaving our plant, it should be inspected for damage immediately upon receipt from the carrier and any claims should be made to the delivery carrier immediately.

### Lifting:

1. Proper lifting and/or transporting methods must be used to prevent damage and injury. When moving by forklift, make sure the package is secure and well balanced on the forks before attempting to raise or transport.
2. When hoisting from overhead, spacers and spreader bars should be utilized to avoid damaging the unit.
3. Make sure entire lifting, rigging and supporting structure is in good condition and has a rating capacity of at least 2800 lbs, the weight of the Double Slump Master III unit.
4. Lift and handle only in accordance with federal, state, and local codes.

### Location:

1. The Slump Master III should be installed on a clean, level foundation with ample clearance around the unit for ease of maintenance and service. (minimum of 36" on all sides)

**See Drawings in the back, for the foundation layout.**

### Tools Needed:

impact wrench  
socket wrench  
box end wrench  
(sizes 1/2, 9/16, 3/4, 15/16, and 1 1/8)  
drill for anchor bolt holes  
line up bar  
torque wrench

#### NOTE:

Most nuts provided for this installation are self locking and will require effort for assemble.

However the long term safety consideration is well worth this extra effort. An impact wrench or at least a ratchet and socket are suggested.

#### NOTE:

All nuts, bolts, washers and small parts are shipped in a PARTS Bucket which should be attached to the unit. If this bucket is missing, notify C&W IMMEDIATELY at 800-880-3878. See parts list on the following page.

# Slump Master III

# Parts

Below is a detailed listing of the SlumpMaster III Parts, along with quantities and C&W Part #s to refer to should you need replacement pieces or did not receive all of the parts in shipping.

Item	Part No.	Description	Qty. Single	Qty. Double
1	03453	SM88 TOWER FRAME	2	2
2	03454	SM88 TOWER CONNECTION WELDMENT	2	0
3	03562	SM88 TOWER CONNECTION WELDMENT W/ STOP	1	2
4	03455	SM88 TOWER DECK SUPPORT WELDMENT	1	0
5	03463	SM88 PIVOT BASE WELDMENT	1	2
6	03525	BUMPER	4	8
7	FG002	TOWER DECK FIBERGLASS GRATE	1	1
8	03458	SM88 STRINGER UPPER LEFT WELDMENT	1	1
9	03460	SM88 STRINGER LOWER LEFT WELDMENT	1	1
10	03459	SM88 STRINGER UPPER RIGHT WELDMENT	1	1
11	03461	SM88 STRINGER LOWER RIGHT WELDMENT	1	1
12	FG003	STAIR TREAD FIBERGLASS GRATE	10	10
13	03462	SM88 STAIR HANDRAIL	4	4
14	03573	STAIR HANDRAIL JOINT CONNECTION	2	2
15	03468	SM88 TOWER HANDRAIL WELDMENT	2	1
16	03464	SM88 PIVOT DECK WELDMENT	1	2
17	03568	COUNTERWEIGHT ARM WELDMENT	1	2
18	03493	SM88 PIVOT SHAFT	1	2
19	BR005	BEARING 4-BOLT FLANGE 1 1/2"	2	4
20	FG001	PIVOT DECK FIBERGLASS GRATE	1	2
21	03492	SM88 PIVOT HANDRAIL POST	2	4
22	03465	SM88 END HANDRAIL WELDMENT	1	2
23	03502	SM88 PIVOT HANDRAIL	4	8
24	03467	SM88 PIVOT LATCH ACTUATOR WELDMENT	1	2
25	03523	SM88 PIVOT LATCH BRACKET WELDMENT	1	2
26	03508	SM88 PIVOT LATCH PLUNGER	1	2
27		PIVOT LATCH SPRING	1	2
28	03512	SM88 PIVOT LATCH MOUNT PLATE	1	2
29	03567	COUNTERWEIGHT WELDMENT	1	2
30	03574	COUNTERWEIGHT SHAFT	1	2
31	BT147	HOLD-DOWN CLIP	56	68
32		HANDRAIL PIVOT BUSHING	14	28
33		3/8 X 2 1/4 CLEVIS PIN	2	4
34		BOWTIE COTTER PIN	2	4
35	BT148	1/4 X 2 BOLT	57	70
36	WA002	1/4 FLAT WASHER	58	72
37	NU004	1/4 NYLOCK NUT	57	70
38	BT022	3/8 X 1 1/4 BOLT	16	32
39	BT021	3/8 X 1 1/2 BOLT	2	4



Optional  
Wash-  
Down  
Platform

Optional  
Pallet  
Rack

Item	Part No.	Description	Qty. Single	Qty. Double
40	BT023	3/8 X 2 BOLT	4	8
41	BT024	3/8 X 2 1/2 BOLT	16	16
42	BT152	3/8 X 2 3/4 BOLT	2	4
43	BT026	3/8 X 3 1/2 BOLT	6	12
44	BT040	3/8 X 4 1/2 BOLT	4	8
45	BT153	3/8 X 6 BOLT	4	8
46	WA008	3/8 FLAT WASHER	102	172
47	WA028	3/8 X 1 1/4 OD FLAT WASHER	20	40
48	NU007	3/8 NYLOCK NUT	52	88
49	BT007	1/2 X 2 BOLT	8	16
50	--	--	--	--
51	WA000	1/2 FLAT WASHER	16	32
52	NU001	1/2 NYLOCK NUT	10	20
53	BT072	5/8 X 1 3/4 BOLT	34	38
54	BT055	5/8 X 3 1/2 BOLT	8	4
55	BT085	5/8 X 6 WEDGE ANCHOR BOLT	8	8
56	WA010	5/8 FLAT WASHER	92	92
57	NU016	5/8 NYLOCK NUT	50	50
58	03501	PIVOT LATCH STRIKE PLATE	1	2
59	BT004	1/2 X 1 1/2 BOLT	2	4
W1	03663	WASH PLATFORM TOWER FRAME	2	2
W2	03664	WASH PLATFORM DECK	1	1
W3	03665	WASH PLATFORM HANDRAIL	2	2
W4	FG002	TOWER DECK FIBERGLASS GRATE	1	1
W5	BT101	5/8 X 3 BOLT	8	8
W6	WA010	5/8 FLAT WASHER	16	16
W7	NU016	5/8 NYLOCK NUT	8	8
W8	BT148	1/4 X 2 BOLT	6	6
W9	WA002	1/4 FLAT WASHER	6	6
W10	NU004	1/4 NYLOCK NUT	6	6
W11	BT147	HOLD-DOWN CLIP	6	6
P1	03432	PLATFORM	1	1
P2	03431	TOWER EXTENSION	2	2
P3	03433	KNEE BRACE	4	4
P4	03430	KNEE BRACE BRACKET	2	2
P5	03434	SAFETY RAIL	1	1
P6	03435	TOE PLATE	1	1
P7	BT072	5/8 X 1 3/4 BOLT	24	24
P8	WA010	5/8 FLAT WASHER	48	48
P9	NU016	5/8 NYLOCK NUT	24	24

## Maintenance Procedures

There is no regular maintenance that should be performed on the unit except for occasionally checking and tightening any loose bolts.

# Slump Master III Installation Procedures

The following pages detail 20 steps in building your Slump Master. Shown is how to assemble a **LEFT** hand pivot deck. To install the pivot deck on the right side, install on the opposite side as shown in the Instruction Manual.

## STEP # 1 - FOR SINGLE UNITS ONLY

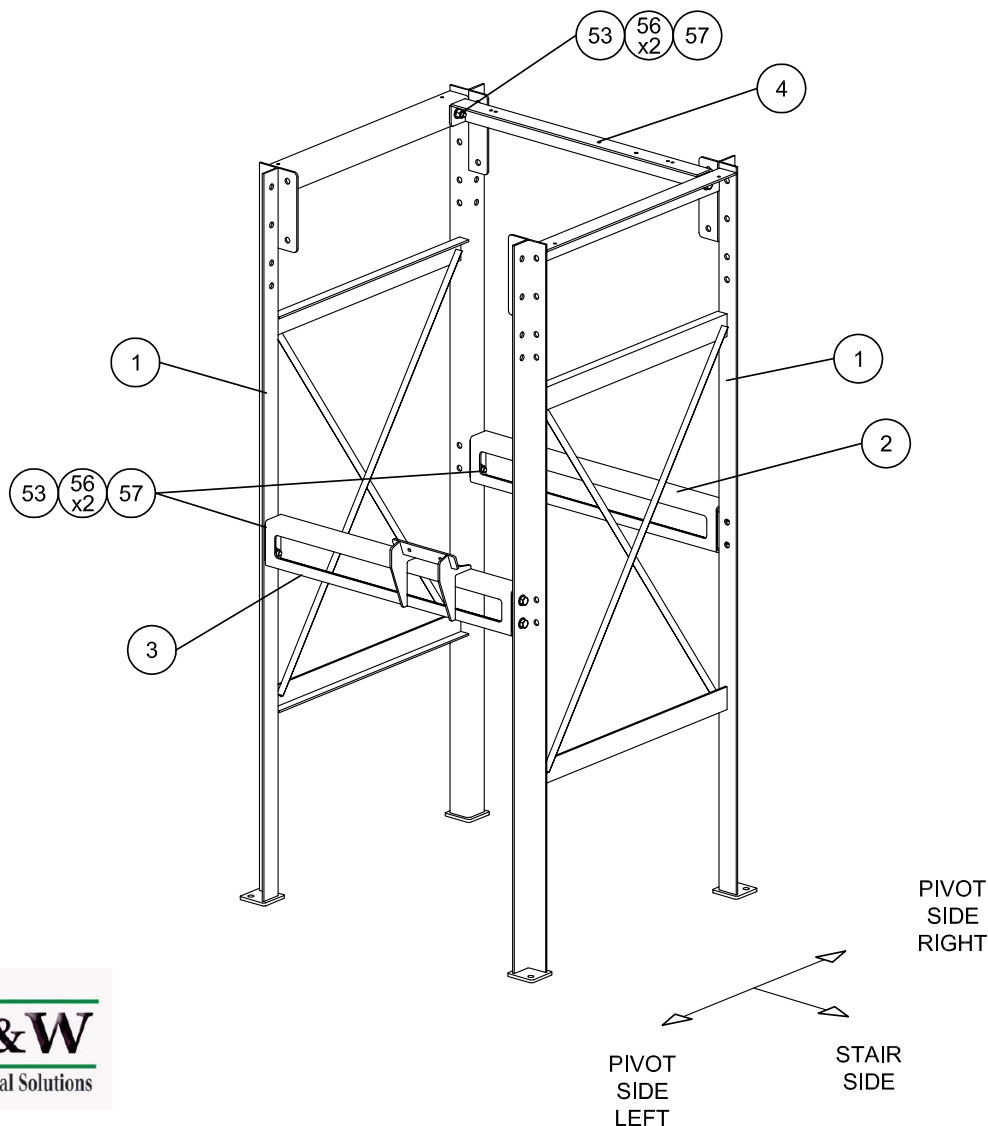
Step 1-SINGLE Part List

#1	2	TOWER FRAME
#2	1	TOWER CONNECTION
#3	1	TOWER CONNECTION W/ STOP
#4	1	DECK SUPPORT
#53	10	5/8 X 1 3/4 HEX BOLT
#56	20	5/8 FLAT WASHER
#57	10	5/8 LOCK NUT

STEP 1-SINGLE for single deck.  
See STEP 1-DOUBLE for double deck.

Note the pivot orientation.  
Assemble the tower using 2 tower frames, 1 tower connection, 1 tower connection w/stop, and 1 deck support.  
Leave the bolts loose until step 2.

Note the correct orientation of the deck supports.



INSTALLATION





# Slump Master III Installation Procedures

## STEP # 1 - FOR DOUBLE UNITS ONLY

### Step 1-DOUBLE Part List

#1	2	TOWER FRAME
#3	2	TOWER CONNECTION W/STOP

#53	8	5/8 X 1 3/4 HEX BOLT
#56	16	5/8 FLAT WASHER
#57	8	5/8 LOCK NUT

STEP 1-DOUBLE for double deck.

See STEP 1-SINGLE for single deck.

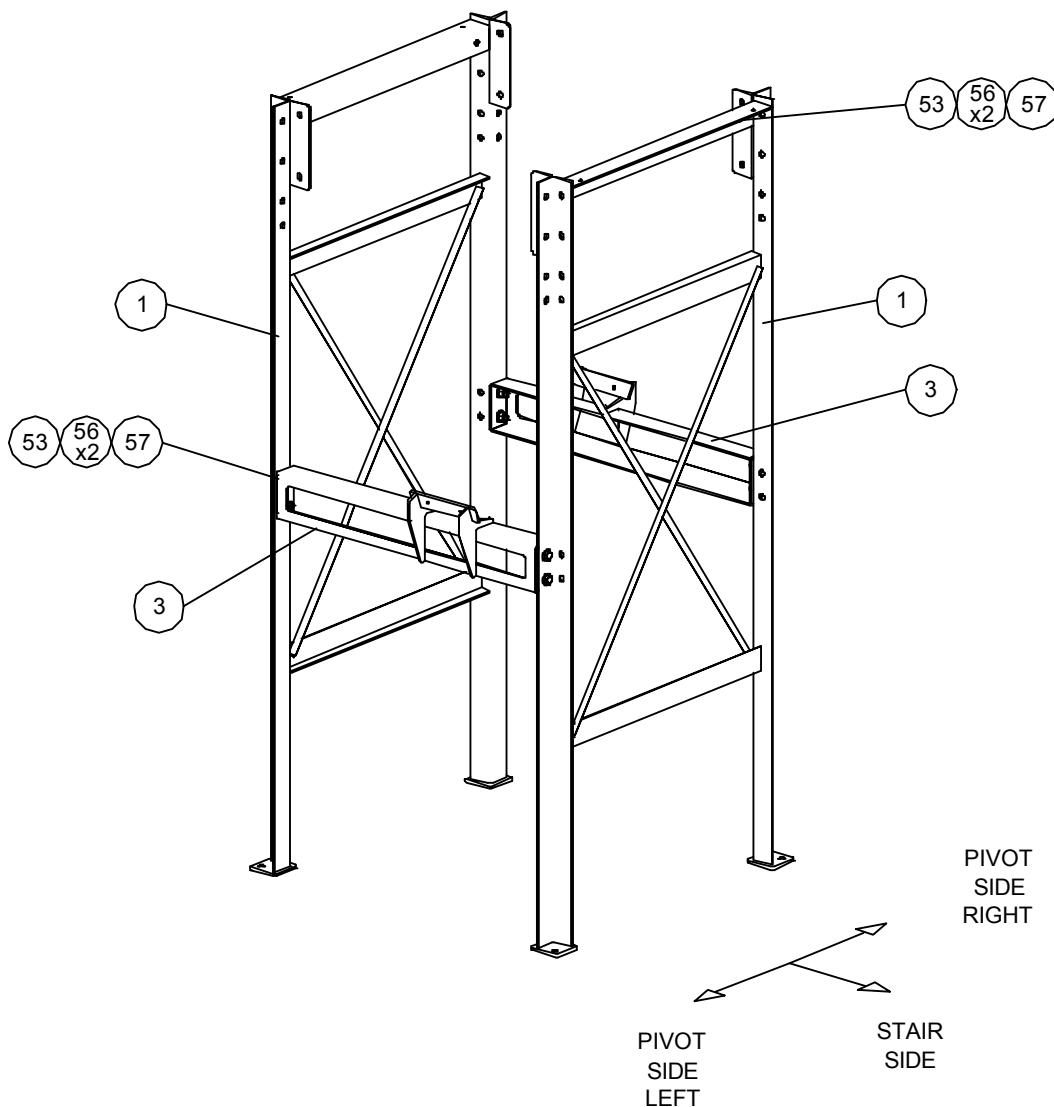
Note the pivot orientation.

Assemble the tower using 2 tower frames,  
and 2 tower connection w/stops.

Leave the bolts loose until step 2.

Note the correct orientation of the deck  
supports.

Ensure ALL  
bolts are tightened to proper  
torque specifications!



INSTALLATION

# Slump Master III Installation Procedures

## STEP # 2 - FOR SINGLE UNITS ONLY

### Step 2-SINGLE Part List

#5	1	PIVOT BASE
#2	1	TOWER CONNECTION
#6	4	BUMPER
#40	4	3/8 X 2 HEX BOLT
#47	8	3/8 FLAT WASHER
#48	4	3/8 LOCK NUT
#53	14	5/8 X 1 3/4 HEX BOLT
#56	28	5/8 FLAT WASHER
#57	14	5/8 LOCK NUT

STEP 2-SINGLE for single deck.

See STEP 2-DOUBLE for double deck.

Note the pivot orientation.

Left pivot shown. Reverse for right pivot.

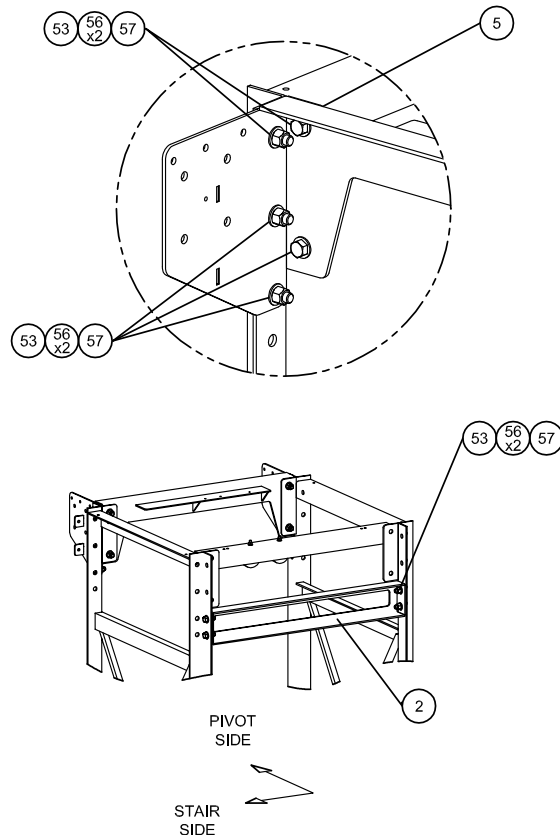
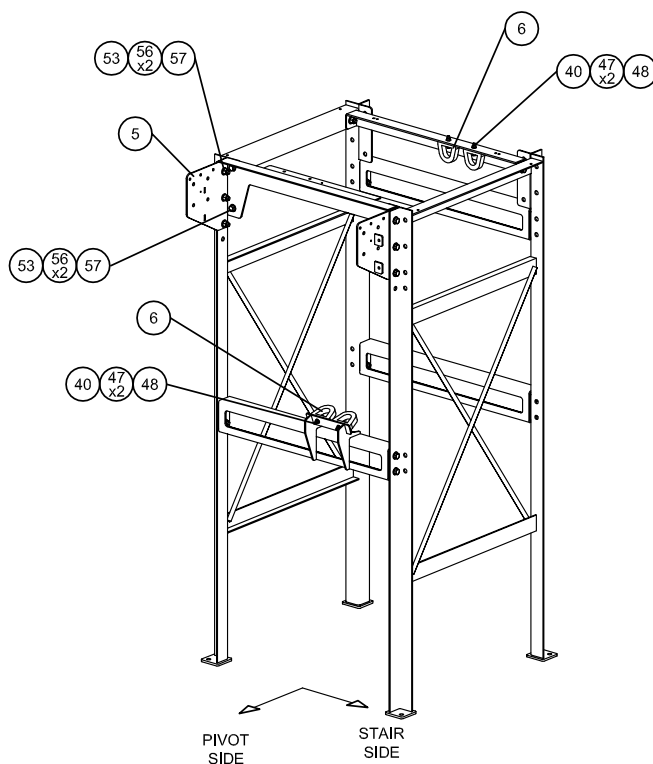
Attach the pivot base on the pivot side of the tower. Attach the tower connection on the side opposite the pivot side. Add the lower bumper bracket and the bumpers.

Tighten all 5/8 bolts to 140 ft-lbs.

Tighten all 3/8 bolts to 30 ft-lbs.

Snug the bolts securing the bumpers. Do not over-tighten the bumpers.

Ensure ALL bolts are tightened to proper torque specifications!



# Slump Master III Installation Procedures

## STEP # 2 - FOR DOUBLE UNITS ONLY

### Step 2-DOUBLE Part List

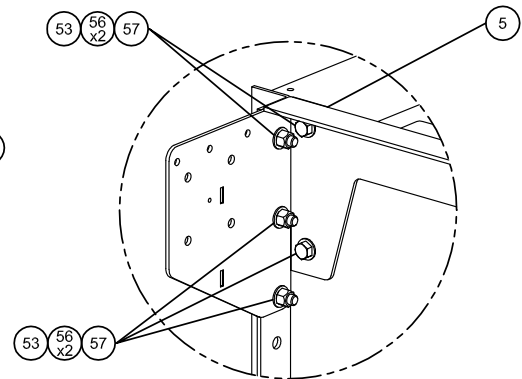
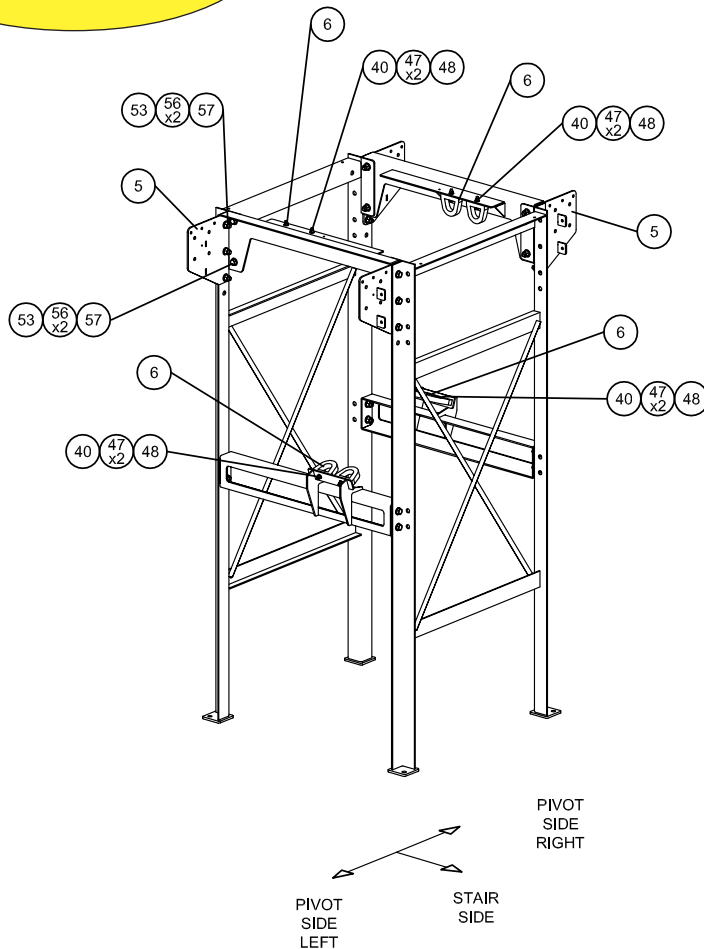
#5	2	PIVOT BASE
#6	8	BUMPER
#40	8	3/8 X 2 HEX BOLT
#47	16	3/8 FLAT WASHER
#48	8	3/8 LOCK NUT
#53	20	5/8 X 1 3/4 HEX BOLT
#56	40	5/8 FLAT WASHER
#57	20	5/8 LOCK NUT

STEP 2-DOUBLE for double deck.  
See STEP 2-SINGLE for single deck.

Note the pivot orientation.  
Attach the pivot base on the pivot side of the tower. Attach the tower connection on the side opposite the pivot side. Add the lower bumper bracket and the bumpers.

Tighten all 5/8 bolts to 140 ft-lbs.  
Tighten all 3/8 bolts to 30 ft-lbs.  
Snug the bolts securing the bumpers. Do not over-tighten the bumpers.

Ensure ALL bolts are tightened to proper torque specifications!



# Slump Master III

# Installation Procedures

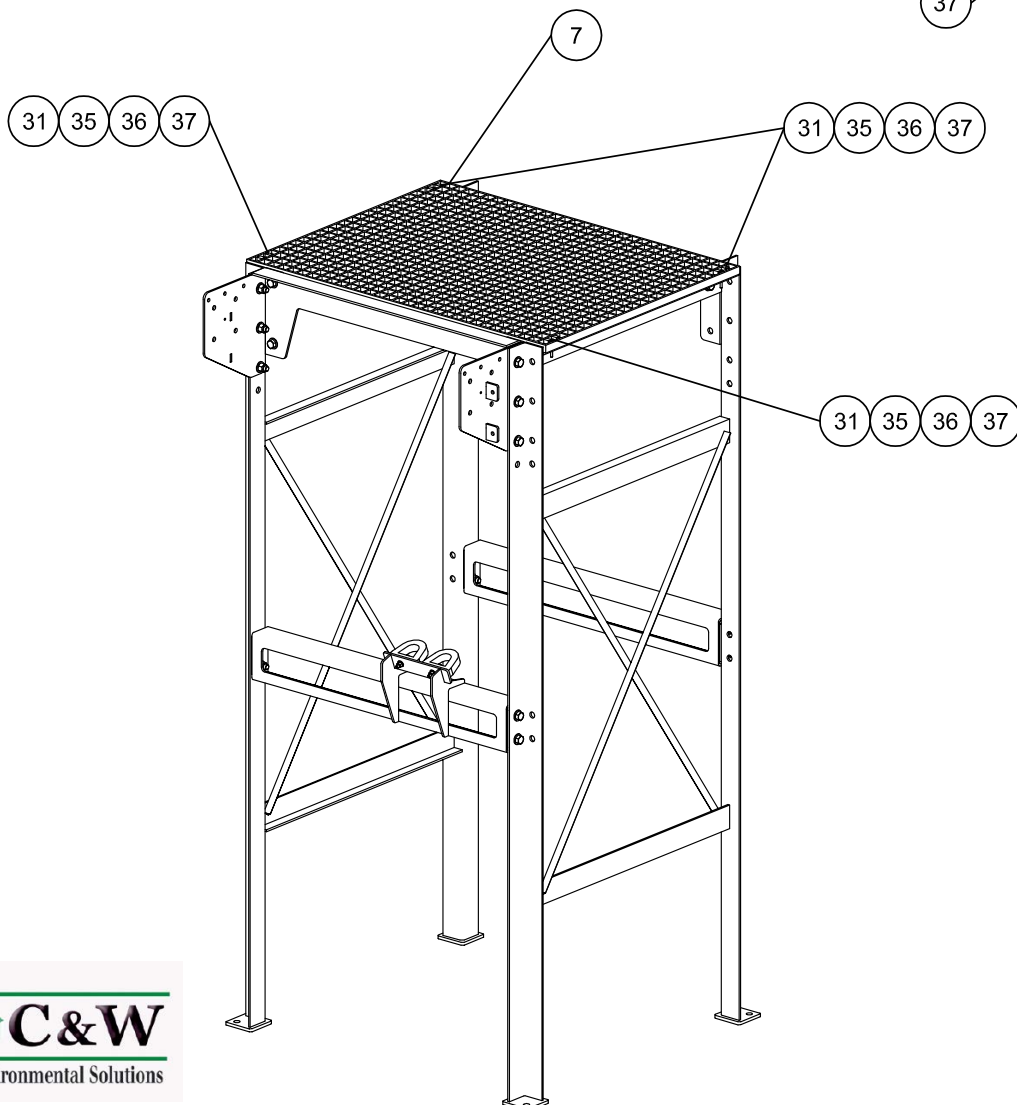
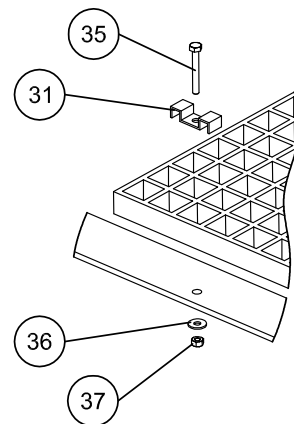
## STEP # 3

### Step 3 Part List

#7	1	TOWER DECK GRATING
#31	4	GRATING HOLD DOWN CLIP
#35	4	1/4 X 2 HEX BOLT
#36	4	1/4 FLAT WASHER
#37	4	1/4 LOCK NUT

Attach the tower deck grating. Keep the stair side flush with the edge of the tower. Attach in six places. Tighten all bolts to 15 ft-lbs.

Ensure ALL bolts are tightened to proper torque specifications!



# Slump Master III      Installation Procedures

## STEP # 4A FOR UNITS WITHOUT THE OPTIONAL WASH-DOWN PLATFORM.

### Step 4-A Part List

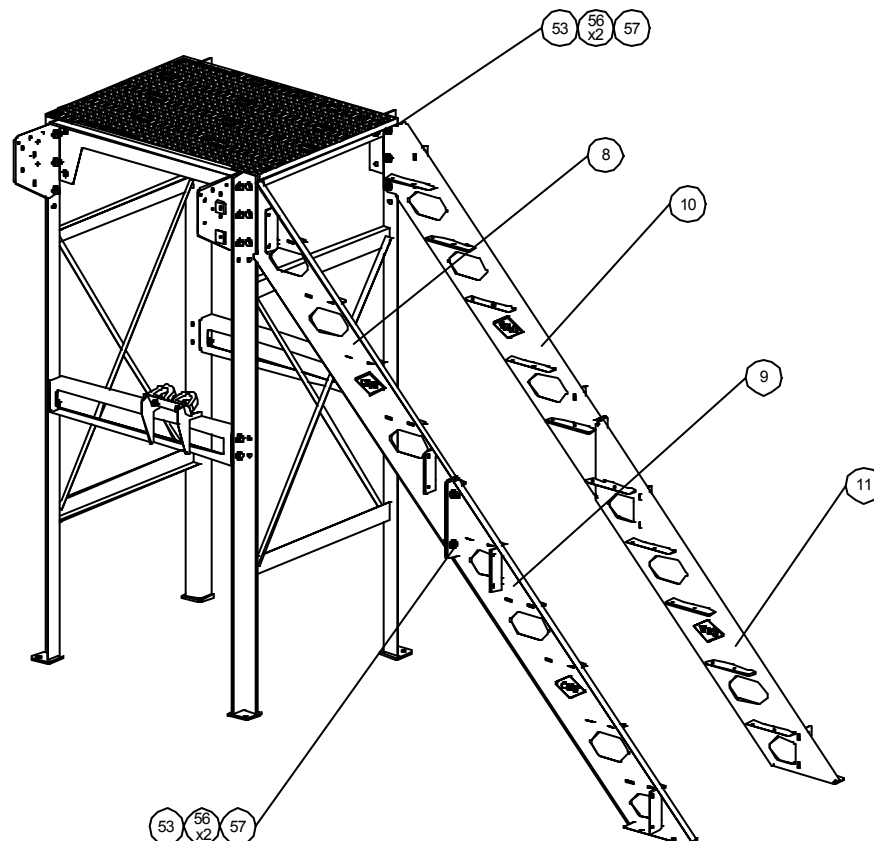
#8	1	UPPER LEFT STRINGER
#9	1	LOWER LEFT STRINGER
#10	1	UPPER RIGHT STRINGER
#11	1	LOWER RIGHT STRINGER

#53	10	5/8 X 1 3/4 HEX BOLT
#56	20	5/8 FLAT WASHER
#57	10	5/8 LOCK NUT

STEP 4-A for SM88 without wash-down platform.  
See STEP 4-B for SM88 with wash-down  
platform.

Attach the left and right stair stringers. Tighten all  
bolts to 90 ft-lbs.

**STEPS 4A, 5A AND 6A ARE FOR UNITS  
WITHOUT A WASHDOWN PLATFORM.  
STEPS 4B, 5B AND 6B ARE FOR UNITTS  
WITH THE WASHDOWN PLATFORM**



# Slump Master III Installation Procedures

## STEP # 5A FOR UNITS WITHOUT THE OPTIONAL WASH-DOWN PLATFORM.

### Step 5-A Part List

#12	10	STAIR TREAD GRATING
#31	40	GRATING HOLD DOWN CLIP
#35	40	1/4 X 2 HEX BOLT
#36	40	1/4 FLAT WASHER
#37	40	1/4 LOCK NUT
#55	8	5/8 X 6 WEDGE ANCHOR BOLT
#56	8	5/8 FLAT WASHER
#57	8	5/8 LOCK NUT

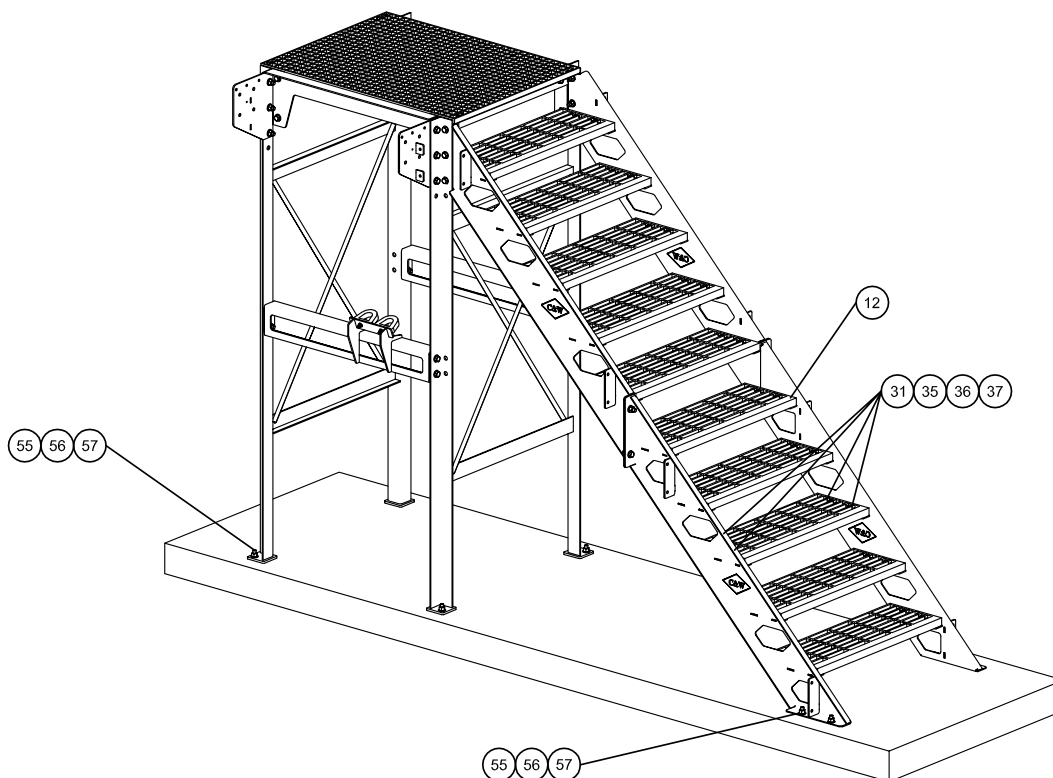
STEP 5-A for SM88 without wash-down platform.  
See STEP 5-B for SM88 with wash-down platform.

Attach the stair treads. Keep the leading edge flush with the top of the stringers. Attach in four places per tread. Tighten all bolts to 15 ft-lbs.

Anchor the tower and stairs to the concrete pad.  
The tower must be securely anchored before installing the pivot deck.

Ensure ALL bolts are tightened to proper torque specifications!

**STEPS 4A, 5A AND 6A ARE FOR UNITS  
WITHOUT A WASHDOWN PLATFORM.  
STEPS 4B, 5B AND 6B ARE FOR UNITTS  
WITH THE WASHDOWN PLATFORM**



INSTALLATION



# Slump Master III

# Installation Procedures

## STEP # 6A FOR UNITS WITHOUT THE OPTIONAL WASH-DOWN PLATFORM.

### Step 6-A Part List

#13 4 STAIR HANDRAIL  
#14 2 STAIR HANDRAIL JOINT

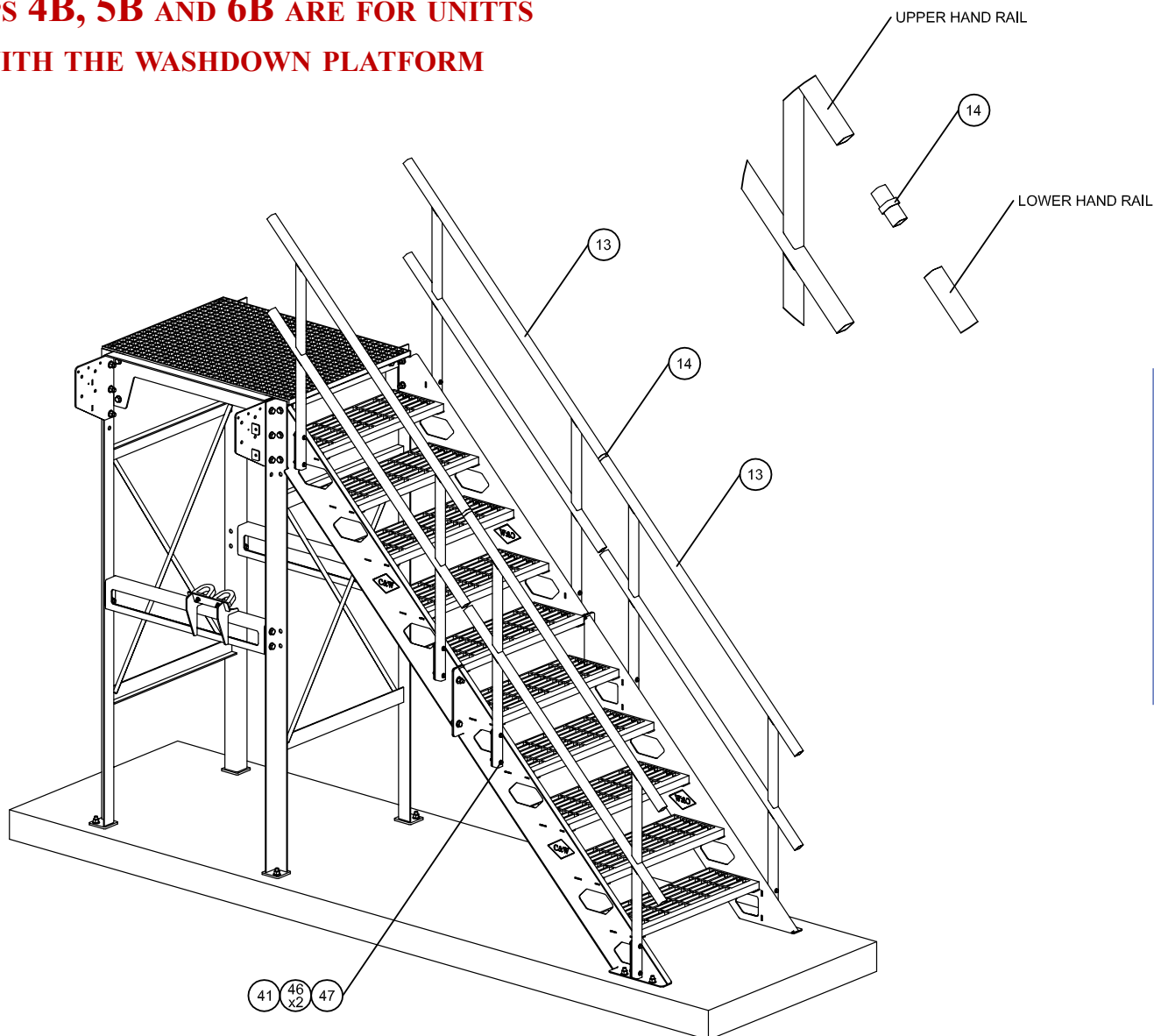
#41 16 3/8 X 2 1/2 BOLT  
#46 32 3/8 FLAT WASHER  
#47 16 3/8 LOCK NUT

STEP 6-A for SM88 without wash-down platform.  
See STEP 6-B for SM88 with wash-down platform.

Insert the handrail joint in the upper rail in between the upper set and lower set of handrails on each side. Attach the stair handrails on the downhill side of the brackets on the stair stringers. Tighten all bolts to 30 ft-lbs.

**STEPS 4A, 5A AND 6A ARE FOR UNITS  
WITHOUT A WASHDOWN PLATFORM.**

**STEPS 4B, 5B AND 6B ARE FOR UNITS  
WITH THE WASHDOWN PLATFORM**



# Slump Master III Installation Procedures

## STEP # 4B FOR UNITS WITH THE *OPTIONAL* WASH-DOWN PLATFORM.

### Step 4-B Part List

#8	1	UPPER LEFT STRINGER
#9	1	LOWER LEFT STRINGER
#10	1	UPPER RIGHT STRINGER
#11	1	LOWER RIGHT STRINGER
#W1	2	PLATFORM TOWER FRAME
#W2	1	PLATFORM DECK
#W3	2	PLATFORM HANDRAIL
#W4	1	DECK FIBERGLASS GRATE

#53	6	5/8 X 1 3/4 HEX BOLT
#56	12	5/8 FLAT WASHER
#57	6	5/8 LOCK NUT

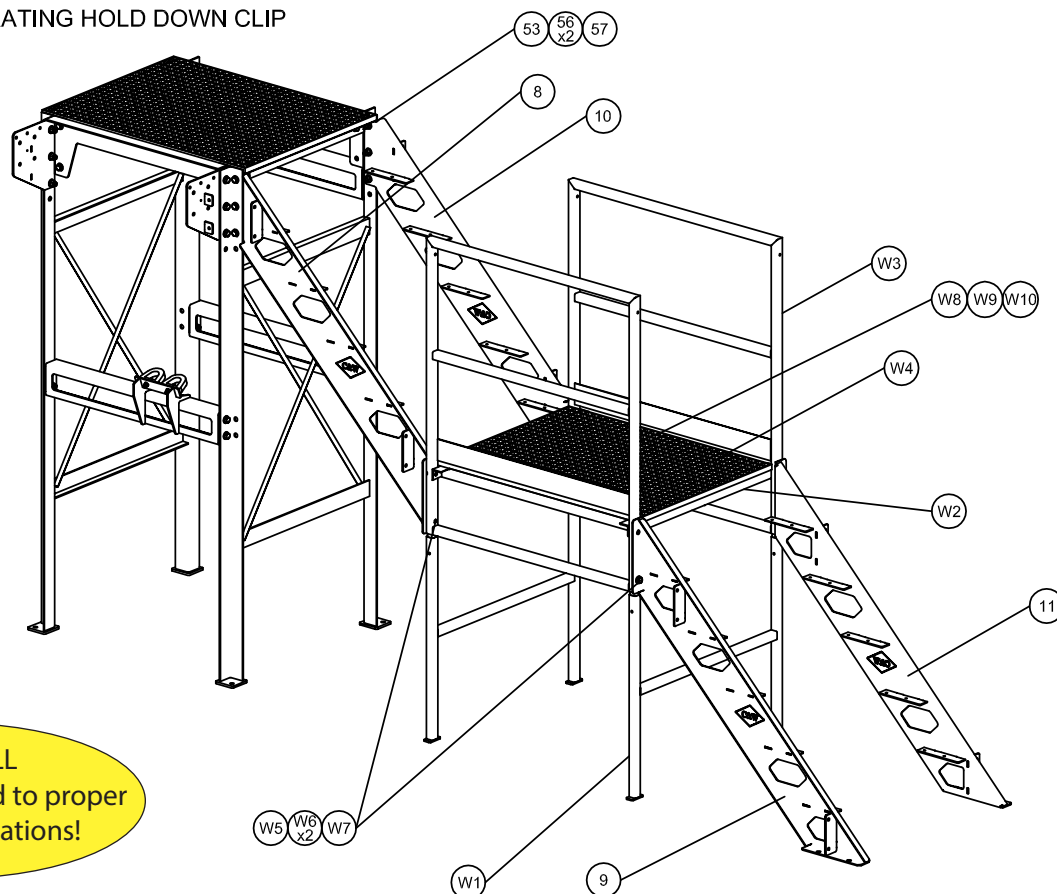
#W5	8	5/8 X 3 BOLT
#W6	16	5/8 FLAT WASHER
#W7	8	5/8 LOCK NUT

#W8	6	1/4 X 2 BOLT
#W9	6	1/4 FLAT WASHER
#W10	6	1/4 LOCK NUT
#W11	6	GRATING HOLD DOWN CLIP

STEP 4-B for SM88 with wash-down platform.  
See STEP 4-A for SM88 without wash-down platform.

Assemble the wash-down platform.  
Attach the left and right stair stringers. Tighten all bolts to 90 ft-lbs.

**STEPS 4A, 5A AND 6A ARE FOR UNITS  
WITHOUT A WASHDOWN PLATFORM.  
STEPS 4B, 5B AND 6B ARE FOR UNITS  
WITH THE WASHDOWN PLATFORM**



Ensure ALL  
bolts are tightened to proper  
torque specifications!

# Slump Master III Installation Procedures

## STEP # 5B FOR UNITS WITH THE *OPTIONAL* WASH-DOWN PLATFORM.

### Step 5-B Part List

#12	10	STAIR TREAD GRATING
#31	40	GRATING HOLD DOWN CLIP
#35	40	1/4 X 2 HEX BOLT
#36	40	1/4 FLAT WASHER
#37	40	1/4 LOCK NUT
#55	8	5/8 X 6 WEDGE ANCHOR BOLT
#56	8	5/8 FLAT WASHER
#57	8	5/8 LOCK NUT

STEP 5-B for SM88 with wash-down platform.  
See STEP 5-A for SM88 without wash-down platform.

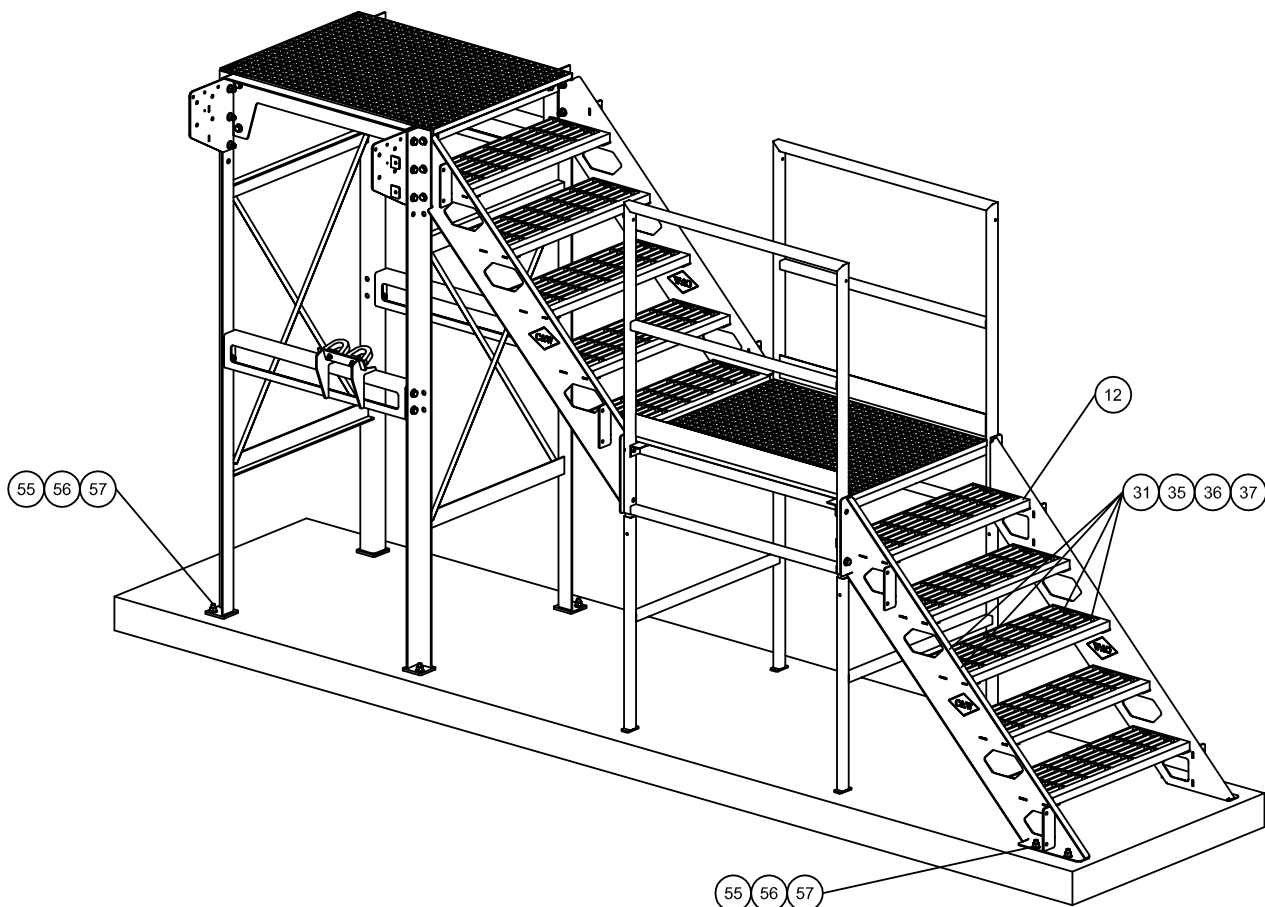
Attach the stair treads. Keep the leading edge flush with the top of the stringers. Attach in four places per tread. Tighten all bolts to 15 ft-lbs.

Anchor the tower and stairs to the concrete pad. The tower must be securely anchored before installing the pivot deck.

Ensure ALL bolts are tightened to proper torque specifications!

**STEPS 4A, 5A AND 6A ARE FOR UNITS WITHOUT A WASHDOWN PLATFORM.**  
**STEPS 4B, 5B AND 6B ARE FOR UNITS WITH THE WASHDOWN PLATFORM**

INSTALLATION



# Slump Master III

## Installation Procedures

### STEP # 6B FOR UNITS WITH THE *OPTIONAL* WASH-DOWN PLATFORM.

#### Step 6-B Part List

#13 4 STAIR HANDRAIL

#41 16 3/8 X 2 1/2 BOLT

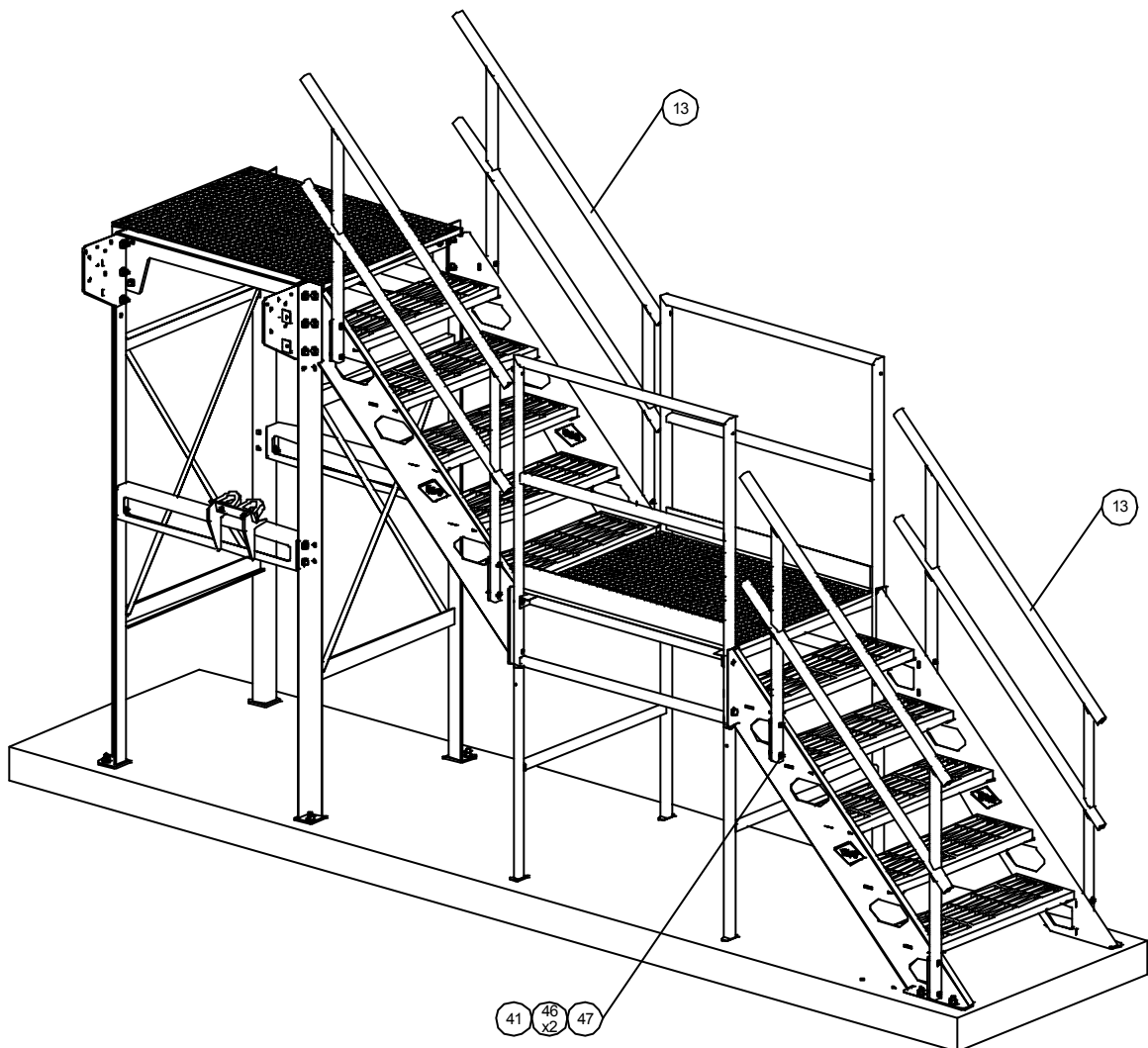
#46 32 3/8 FLAT WASHER

#47 16 3/8 LOCK NUT

STEP 6-B for SM88 with wash-down platform.  
See STEP 6-A for SM88 without wash-down  
platform.

Attach the stair handrails on the downhill side  
of the brackets on the stair stringers. Tighten  
all bolts to 30 ft-lbs.

**STEPS 4A, 5A AND 6A ARE FOR UNITS  
WITHOUT A WASHDOWN PLATFORM.  
STEPS 4B, 5B AND 6B ARE FOR UNITS  
WITH THE WASHDOWN PLATFORM**



# Slump Master III      Installation Procedures

## STEP # 7 - FOR SINGLE UNITS ONLY

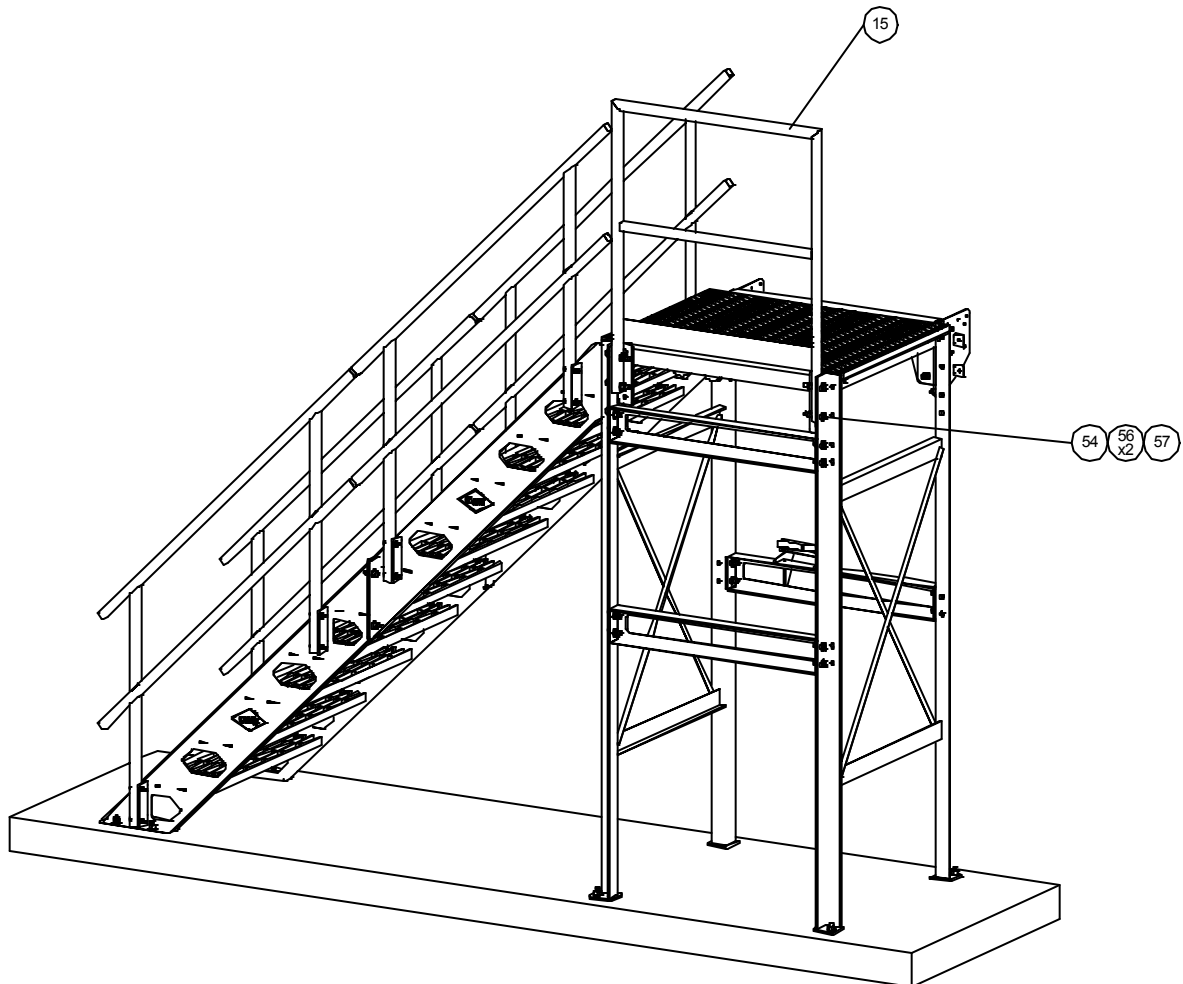
### Step 7 Part List

#15	1	TOWER HANDRAIL
#54	4	5/8 X 3 1/2 BOLT
#56	8	5/8 FLAT WASHER
#57	4	5/8 LOCK NUT

STEP 7 for single deck.

Double deck does not include this handrail.

Attach the first tower handrail. The first tower handrail must be adjacent to the stairs, opposite the pivot deck. Tighten all bolts to 30 ft-lbs.



# Slump Master III      Installation Procedures

## STEP # 8 - FOR SINGLE UNITS ONLY

### Step 8-SINGLE Part List

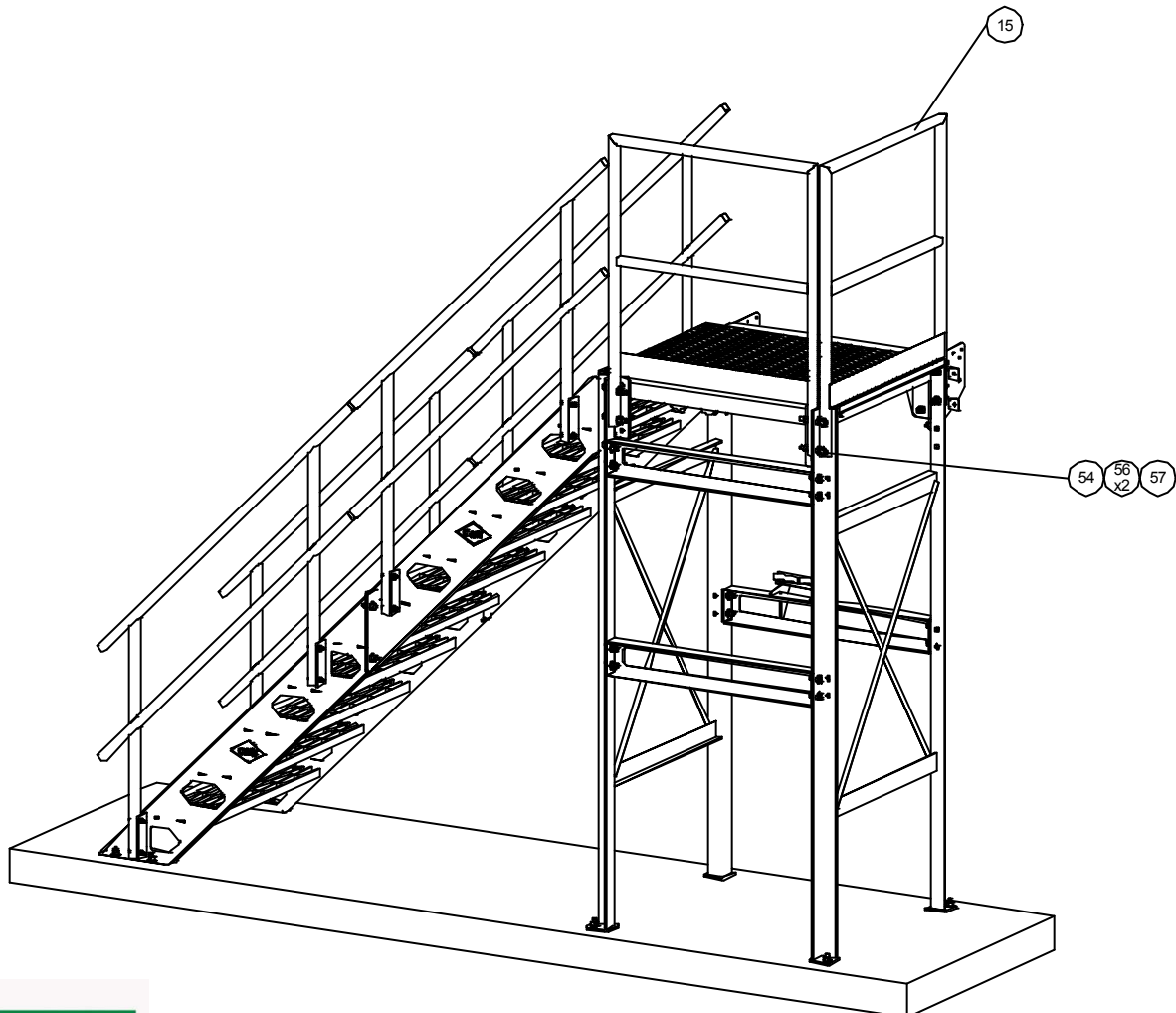
#15	1	TOWER HANDRAIL
#54	4	5/8 X 3 1/2 BOLT
#56	8	5/8 FLAT WASHER
#57	4	5/8 LOCK NUT

STEP 8-SINGLE for single deck.

See STEP 8-DOUBLE for double deck.

Attach the second tower handrail opposite the stairs, adjacent to the pivot deck.  
Tighten all bolts to 30 ft-lbs.

INSTALLATION





# Slump Master III Installation Procedures

## STEP # 8 - FOR DOUBLE UNITS ONLY

Step 8-DOUBLE Part List

#15 1 TOWER HANDRAIL

#54 4 5/8 X 3 1/2 BOLT

#56 8 5/8 FLAT WASHER

#57 4 5/8 LOCK NUT

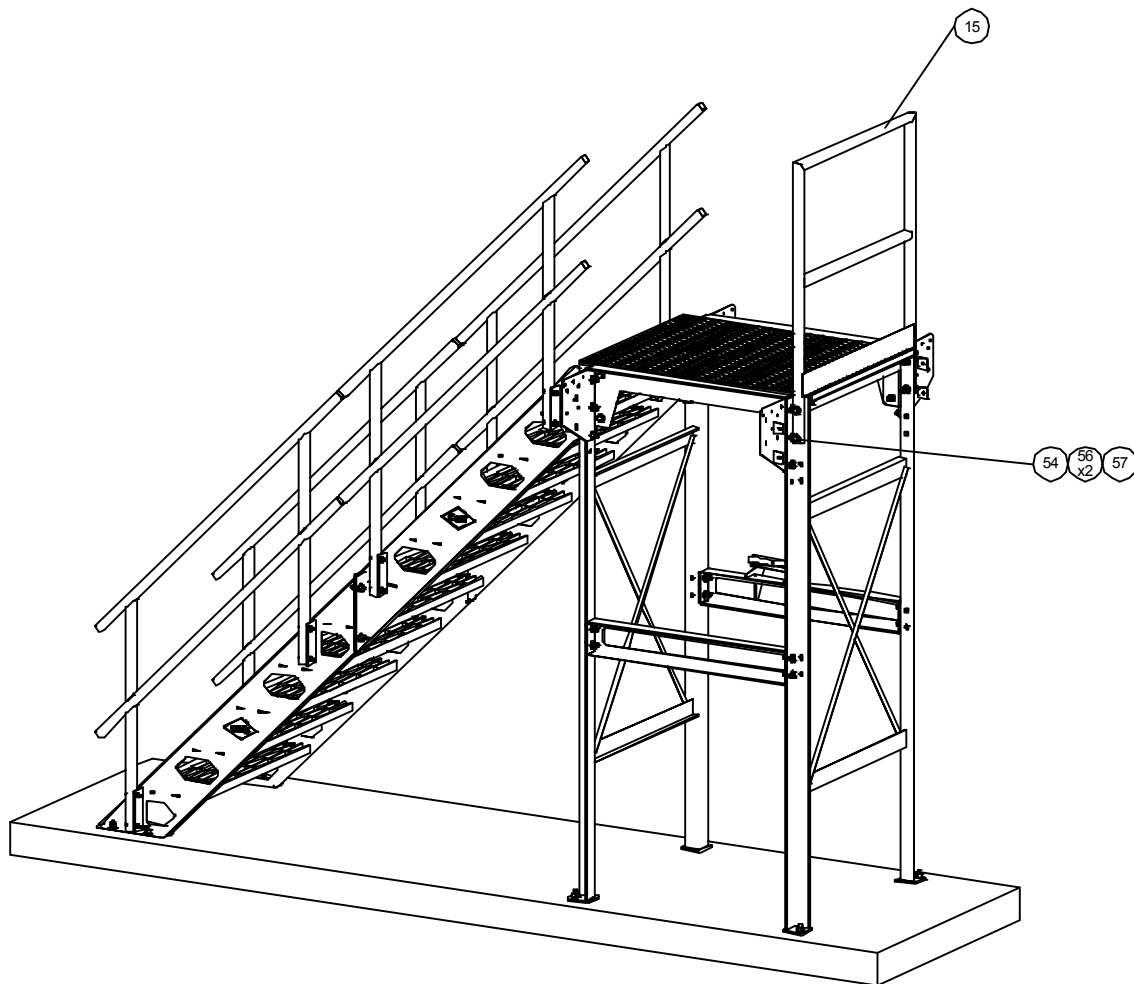
STEP 8-DOUBLE for double deck.

See STEP 8-SINGLE for single deck.

Attach the second tower handrail opposite the stairs, adjacent to the pivot deck.

Tighten all bolts 30 ft-lbs.

Ensure ALL  
bolts are tightened to proper  
torque specifications!



## STEP # 9

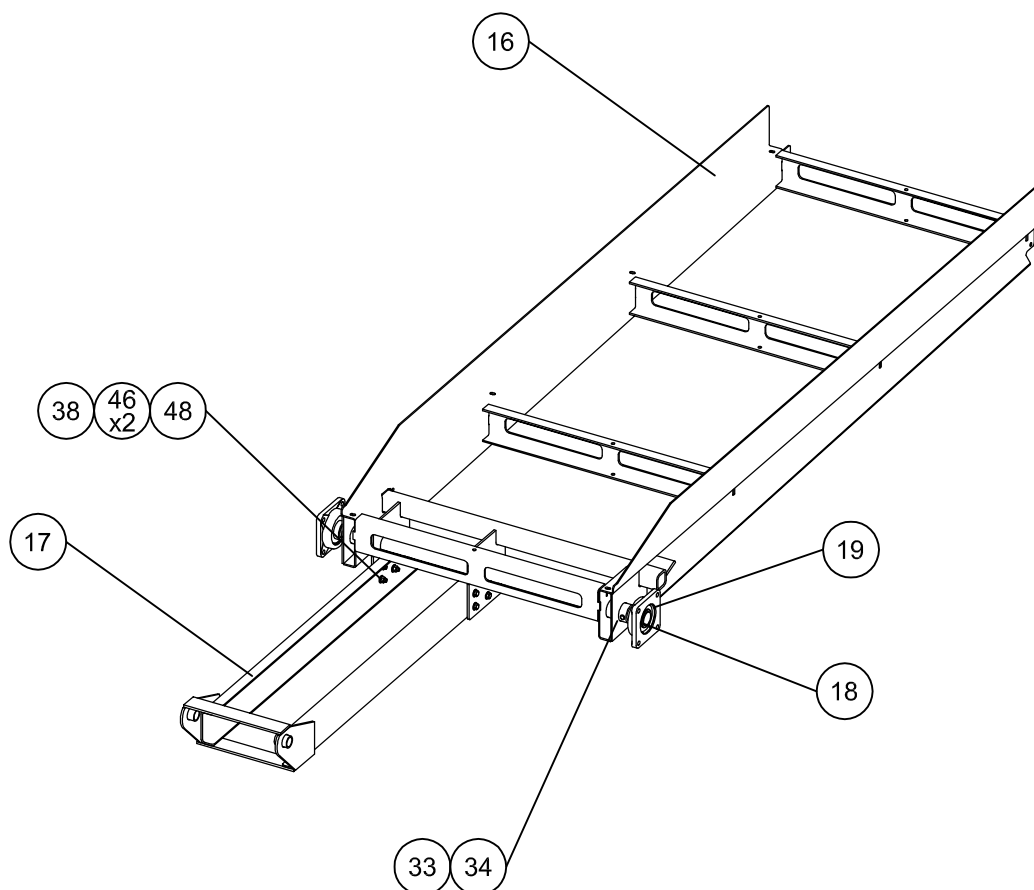
### Step 9 Part List

#16	1	PIVOT DECK
#17	1	COUNTER WEIGHT ARM WELDMENT
#18	1	PIVOT SHAFT
#19	2	4-BOLT FLANGE BEARING
#33	2	CLEVIS PIN 3/8 X 2 1/4
#34	2	BOW TIE COTTER PIN
#38	12	3/8 X 1 1/4 HEX BOLT
#46	24	3/8 FLAT WASHER
#48	12	3/8 LOCK NUT

Attach the counterweight arm to the pivot deck. Insert the shaft. Insert clevis pins on both ends of shaft. Lock clevis pins with bow tie cotter pins. Slide bearings onto the shaft against the shaft bushings in the pivot deck. Snug one set screw on each bearing so that the bearings will not slide off during step 10. Tighten all bolts to 30 ft-lbs.

ATTENTION: DO NOT ATTACH THE COUNTER WEIGHT UNTILL TOLD TO DO SO IN STEP 15!

NOTE: If you have a Double Slump Master, you will need to repeat Steps 9-15 to install two (2) Pivot Decks.

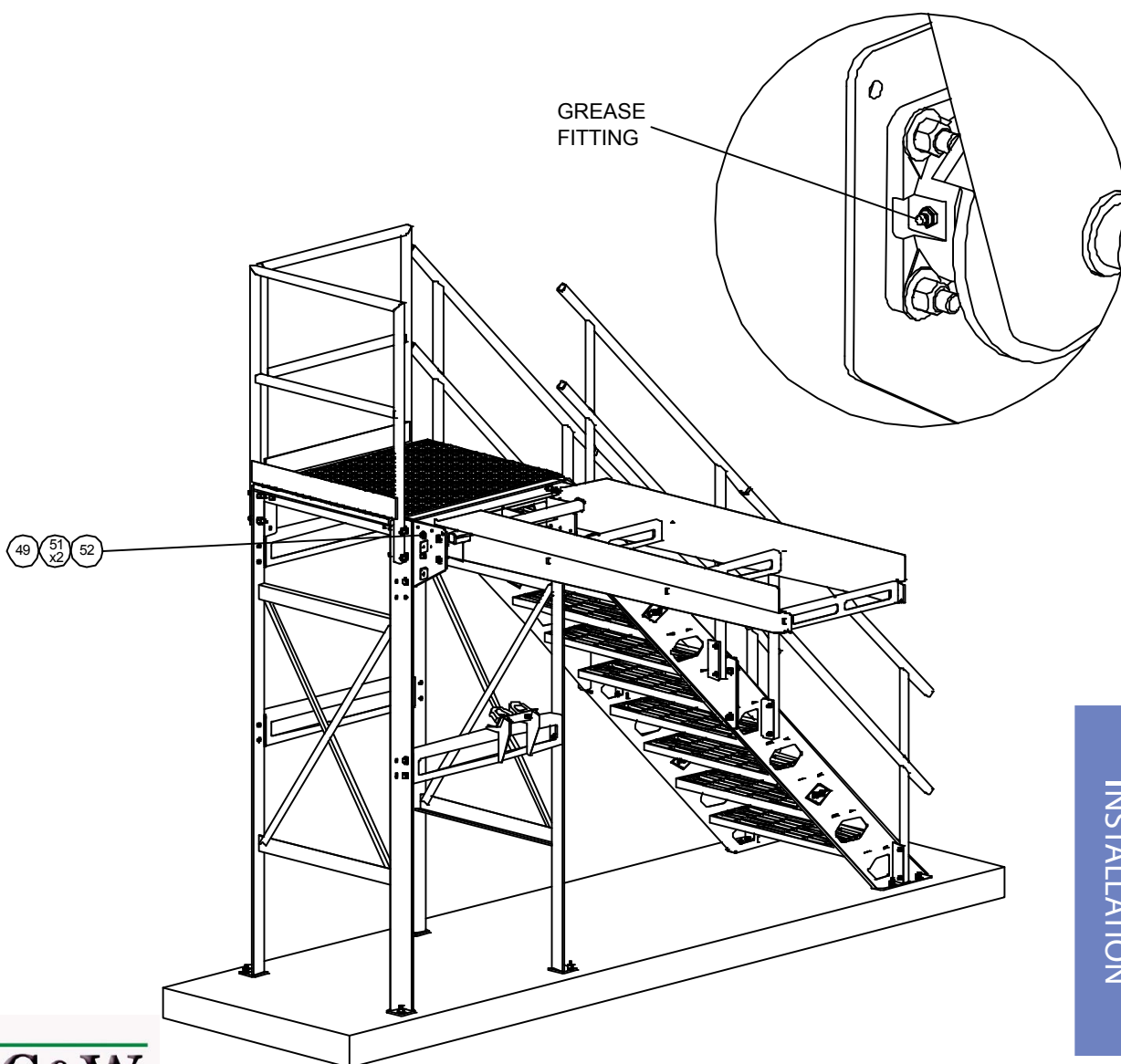


## STEP # 10

### Step 10 Part List

#49	8	1/2 X 2 BOLT
#51	16	1/2 FLAT WASHER
#52	8	1/2 LOCK NUT

Raise the pivot deck and maneuver into the pivot base. Hold the pivot deck in position. Note the orientation of the bearing grease fitting. Rotate the bearings around the shaft to grant maintenance access to the grease fittings. Loosen the previously snugged bearing set screws. Bolt the bearings to the side plates of the pivot base. Tighten all bolts 65 ft-lbs. Tighten the bearing set screws.



## STEP # 11

### Step 11 Part List

#20 1 PIVOT DECK GRATING  
#21 2 PIVOT HANDRAIL POST

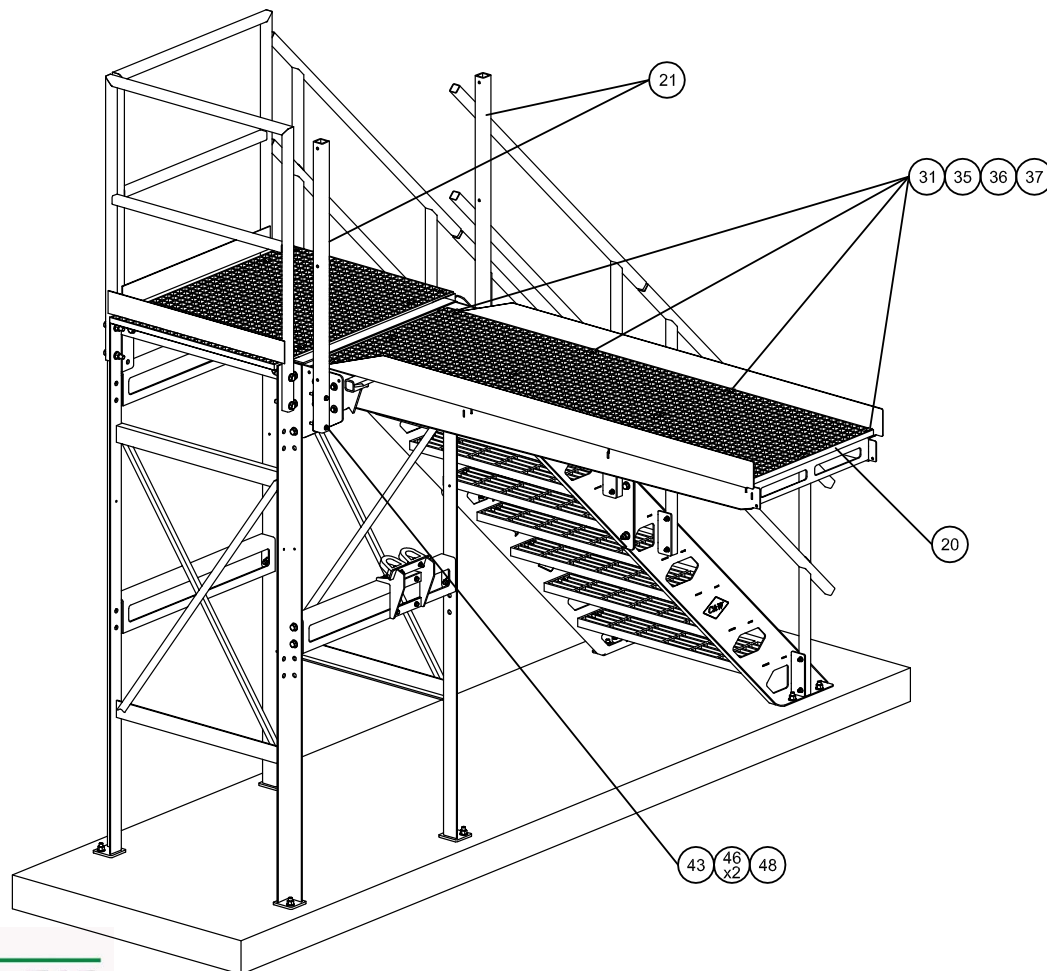
#31 12 GRATING HOLD DOWN CLIP  
#35 12 1/4 X 2 HEX BOLT  
#36 12 1/4 FLAT WASHER  
#37 12 1/4 LOCK NUT

#43 4 3/8 X 3 1/2 HEX BOLT  
#46 8 3/8 FLAT WASHER  
#48 4 3/8 LOCK NUT

Attach the pivot deck grating. Attach in twelve places. Tighten all bolts to 15 ft-lbs maximum.

Attach the pivot handrail post using the bottom two holes only.

Ensure ALL bolts are tightened to proper torque specifications!



## STEP # 12

### Step 12 Part List

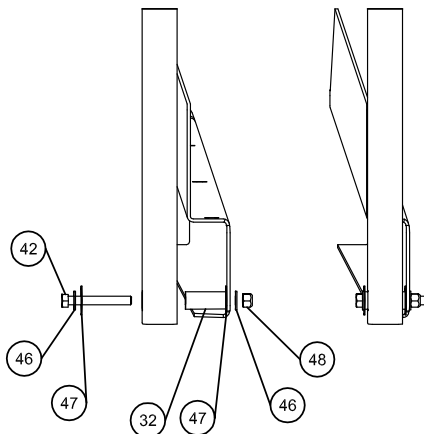
#22	1	END HANDRAIL
#23	4	PIVOT HANDRAIL
#32	14	HANDRAIL PIVOT BUSHING
#42	2	BOLT 3/8 X 2 3/4
#44	4	BOLT 3/8 X 4 1/2
#45	4	BOLT 3/8 X 6
#46	20	3/8 FLAT WASHER
#47	20	3/8 ID 1 1/4 OD FLAT WASHER
#48	10	3/8 LOCK NUT

Attach the end handrail to the pivot deck using the parts in pivot joint 1.

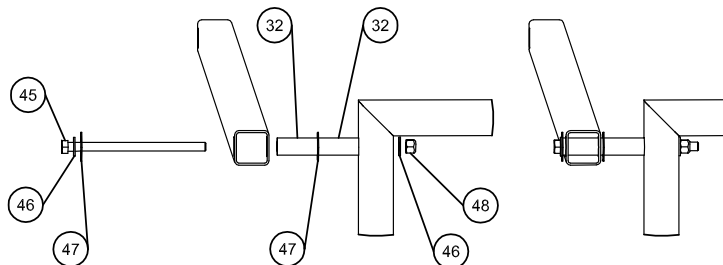
Attach one pivot handrail to the the end handrail at knee height using the parts in pivot joint 2. Attach the other end of the pivot handrail to the pivot handrail post using the parts in pivot joint 3.

Repeat for each of the 3 remaining pivot handrails, one at a time.

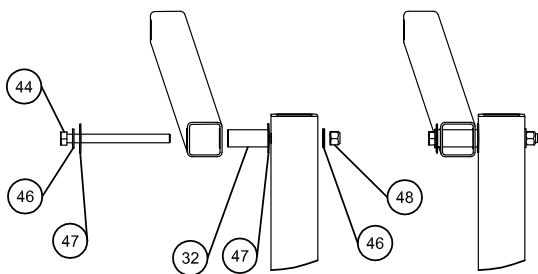
Do not over tighten the joints. The bushings are 1/4" longer than the width of the pivot handrails. The pivot handrails should be free to slide and turn freely on the pivot bushings.



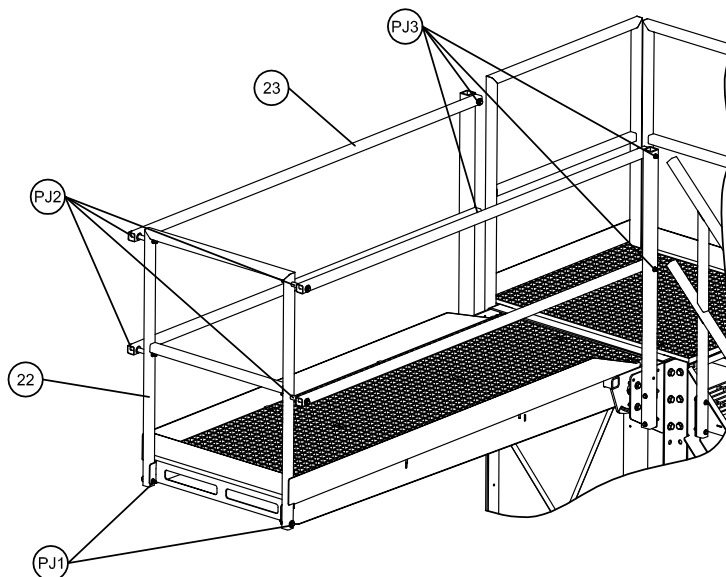
PIVOT JOINT 1



PIVOT JOINT 2



PIVOT JOINT 3



## STEP # 13

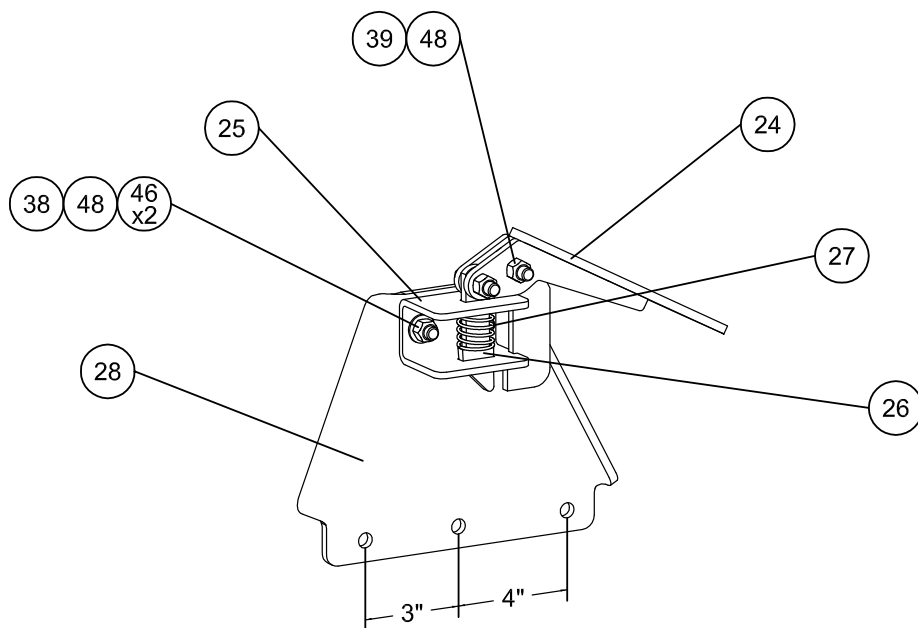
### Step 13 Part List

#24	1	PIVOT LATCH ACTUATOR
#25	1	PIVOT LATCH BRACKET
#26	1	PIVOT LATCH PLUNGER
#27	1	PIVOT LATCH SPRING
#28	1	PIVOT LATCH MOUNT PLATE
#38	2	BOLT 3/8 X 1 1/4
#39	2	BOLT 3/8 X 1 1/2
#46	4	WASHER 3/8 FLAT
#48	4	NUT 3/8 NYLOCK

Assemble the pivot latch noting the orientation of the mount plate. Tighten bolt 38 on the bracket to 30 ft-lbs. Tighten bolt 39 on the actuator to 15 ft-lbs.

Caution: Over-tightening the bolts on the actuator can squeeze the part closed, locking the latch so that it will not operate as desired.

Ensure ALL bolts are tightened to proper torque specifications!





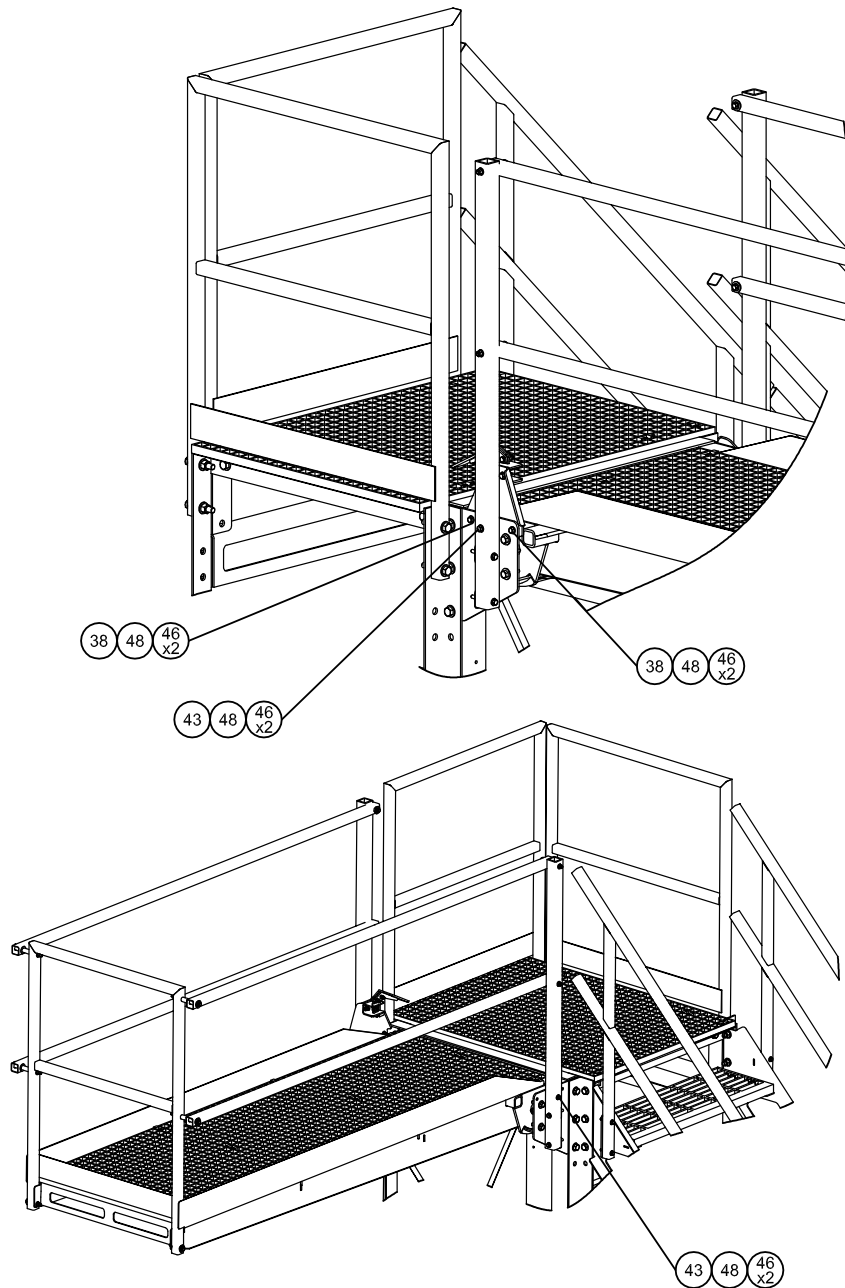
## STEP # 14

### Step 14 Part List

#38	2	BOLT 3/8 X 1 1/4
#43	2	BOLT 3/8 X 3 1/2
#46	8	3/8 FLAT WASHER
#48	4	3/8 LOCK NUT

Attach the pivot latch to the pivot base. Add third bolt to the pivot handrail post opposite the pivot latch. Tighten all bolts to 30 ft-lbs.

Ensure ALL bolts are tightened to proper torque specifications!



# Slump Master III

# Installation Procedures

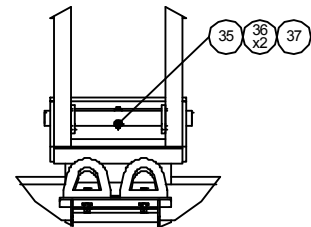
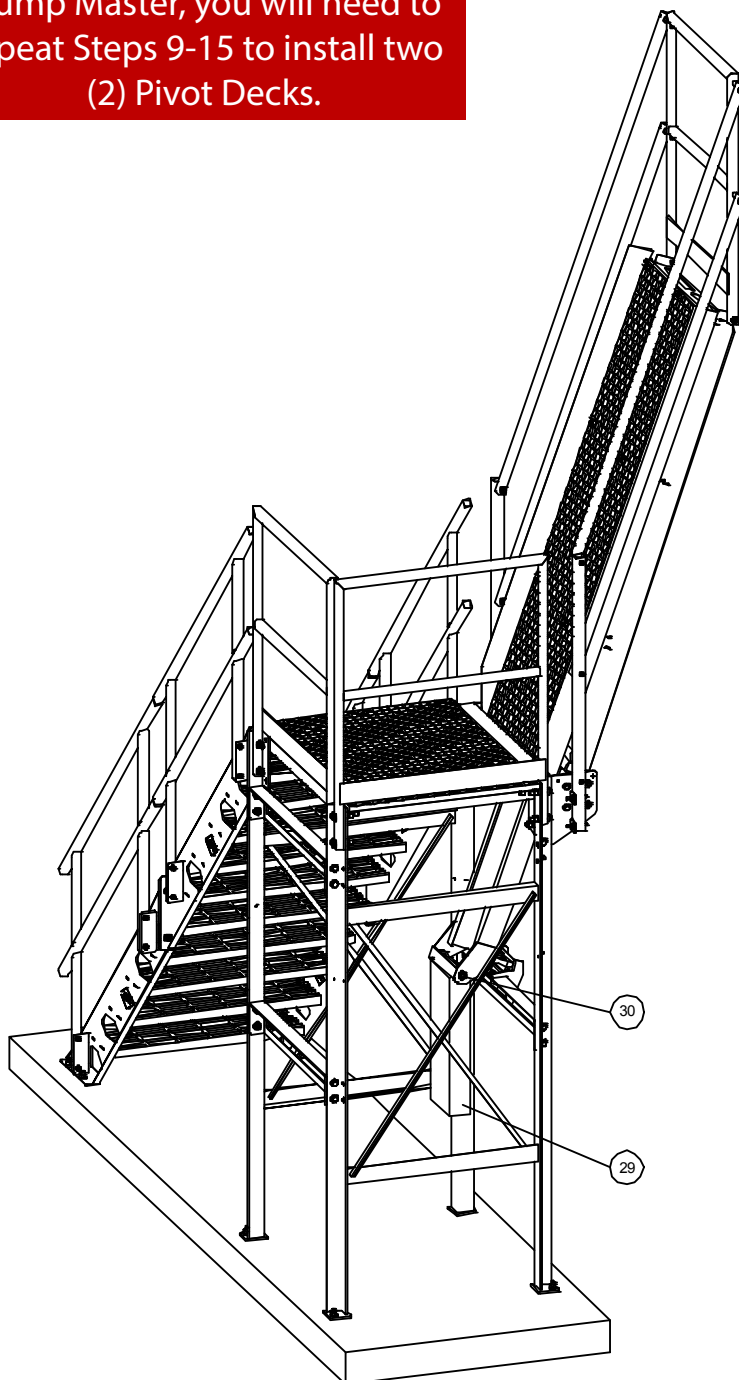
## STEP # 15

### Step 15 Part List

#29	1	COUNTERWEIGHT
#30	1	COUNTERWEIGHT SHAFT
#35	1	BOLT 1/4 X 2
#36	2	1/4 FLAT WASHER
#37	1	1/4 LOCK NUT

Raise the pivot deck to the upright position and secure. Maneuver the counterweight into the counterweight arm. Insert the counterweight shaft. Secure the shaft with the 1/4 x 2" bolt.

**NOTE:** If you have a Double Slump Master, you will need to repeat Steps 9-15 to install two (2) Pivot Decks.



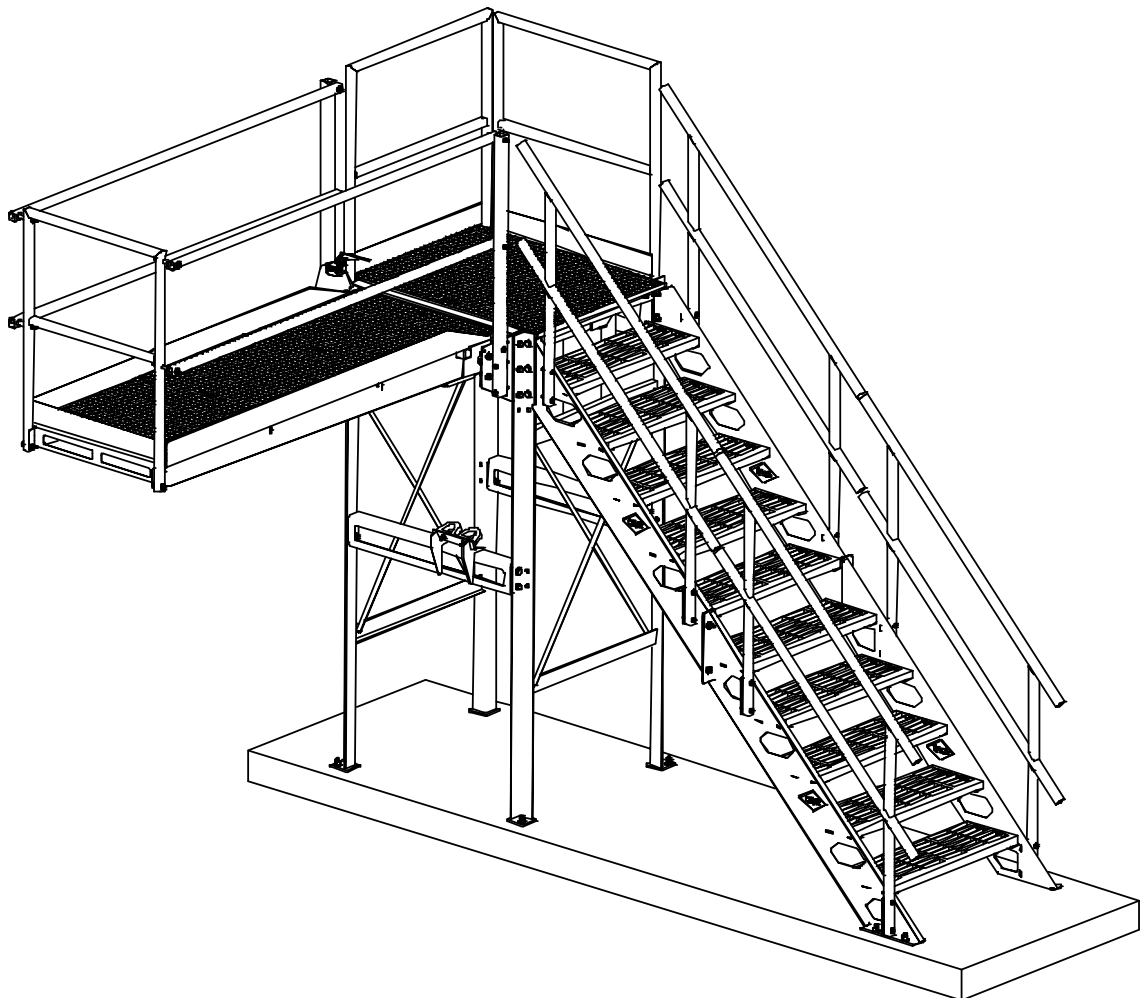
# Slump Master III      **Installation Procedures**

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## STEP # 16 - FOR SINGLE UNITS ONLY

Step 16-SINGLE

Final assembly for the SM88-SINGLE.



# Slump Master III

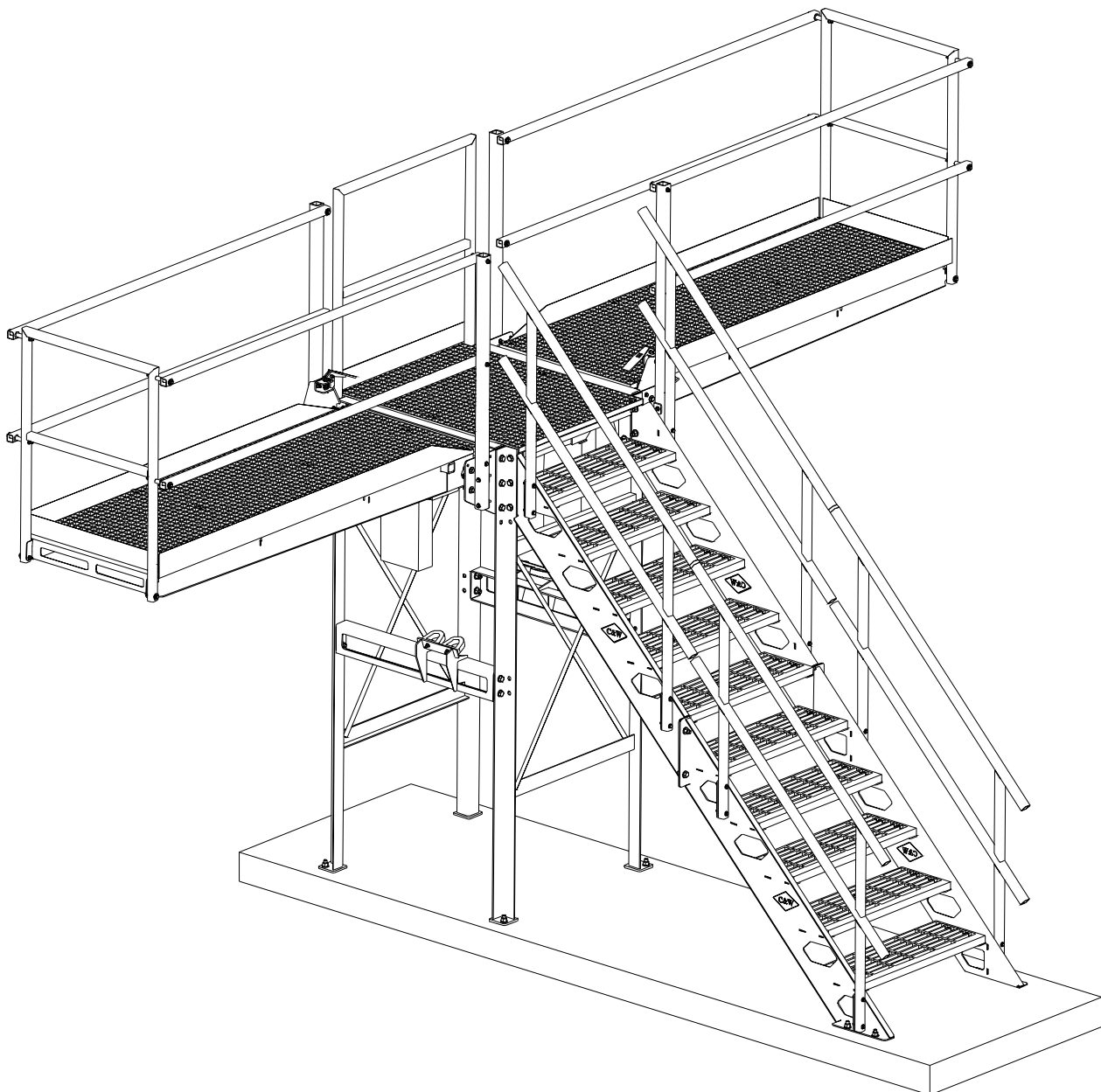
# Installation Procedures

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Step 16-DOUBLE

Final assembly for the SM88-DOUBLE.

## STEP # 16 FOR DOUBLE UNITS ONLY



# Slump Master III Installation Procedures

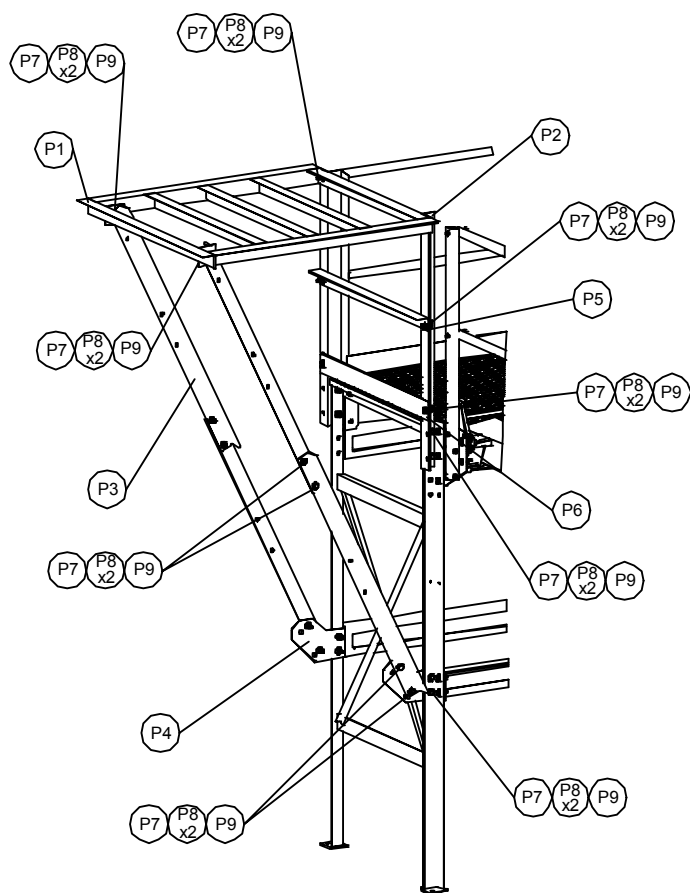
## STEP # 17 - OPTIONAL PALLET RACK

### OPTIONAL PALLET RACK Part List

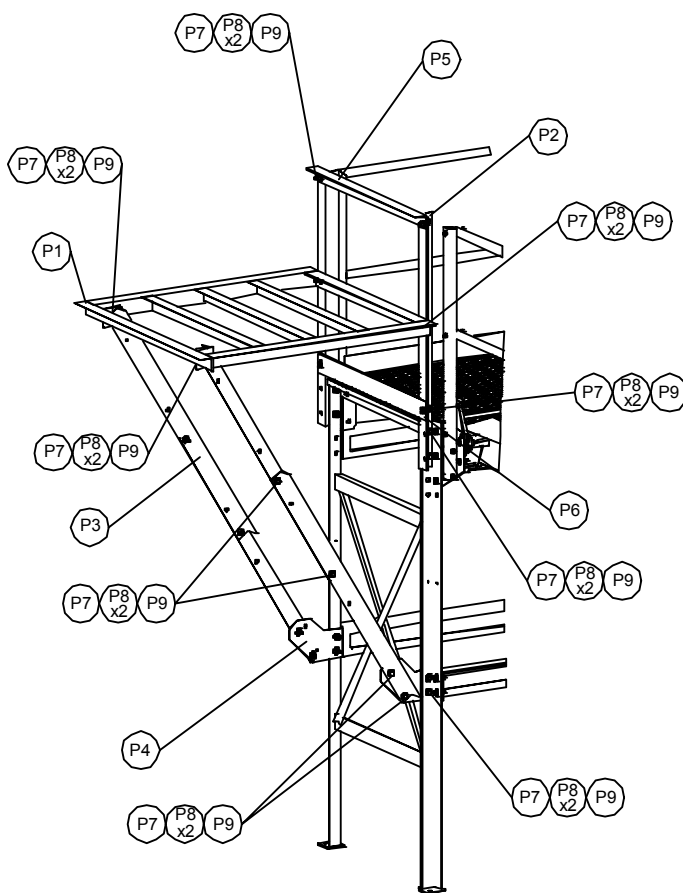
#P1	1	PLATFORM
#P2	2	TOWER EXTENSION
#P3	4	KNEE BRACE
#P4	2	KNEE BRACE BRACKET
#P5	1	SAFETY RAIL
#P6	1	TOE PLATE

#P7	24	BOLT 5/8 X 1 3/4
#P8	48	WASHER 5/8 FLAT
#P9	24	NUT 5/8 NYLOCK

The pallet rack can be mounted high or mid level on the tower extensions.

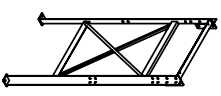
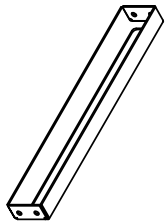
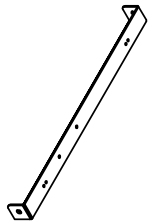
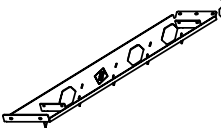
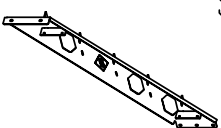
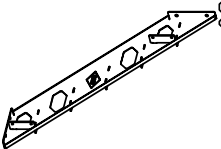
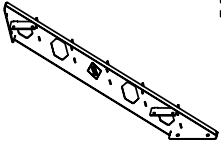
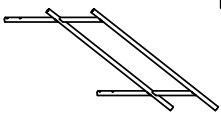
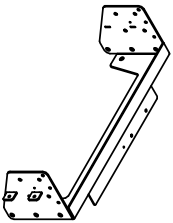
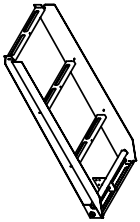
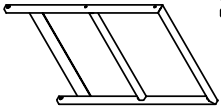
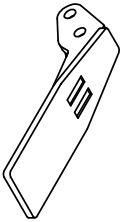
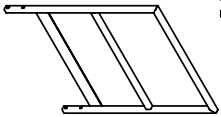
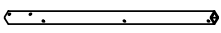
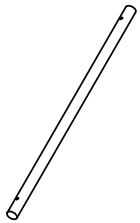
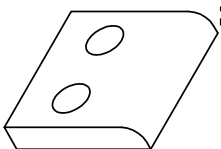

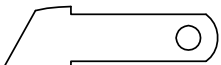
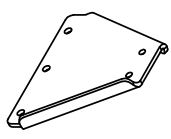
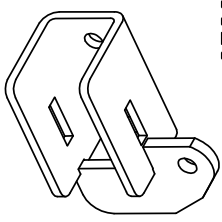
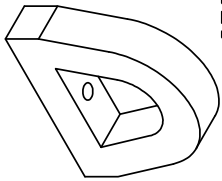
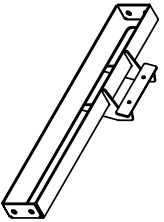
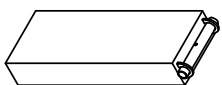
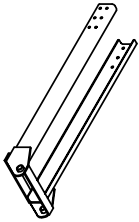
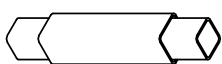
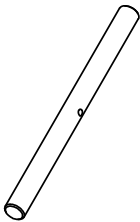
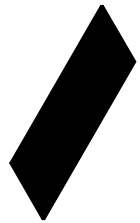
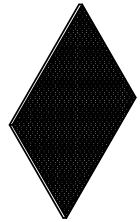
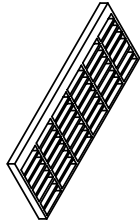


HIGH MOUNT



MIDDLE MOUNT

# Slump Master III Replacement Parts List

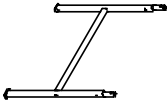
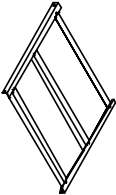
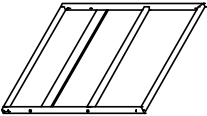
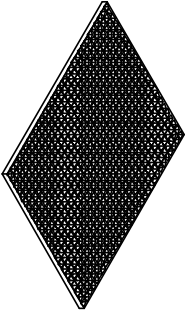
03453 TOWER FRAME 	03454 TOWER CONNECTION 	03455 TOWER DECK SUPPORT 	03458 UPPER LEFT STRINGER 	03459 UPPER RIGHT STRINGER 	03460 LOWER LEFT STRINGER 
03461 LOWER RIGHT STRINGER 	03462 STAIR HANDRAIL 	03463 PIVOT BASE 	03464 PIVOT DECK 	03465 END HANDRAIL 	03467 PIVOT LATCH ACTUATOR 
03468 TOWER HANDRAIL 	03492 PIVOT HANDRAIL POST 	03493 PIVOT SHAFT 	03501 PIVOT LATCH STRIKE PLATE 	03502 PIVOT HANDRAIL 	03508 PIVOT LATCH PLUNGER 
03512 PIVOT LATCH MOUNT PLATE 	03523 PIVOT LATCH BRACKET 	03525 BUMPER D41 	03562 CONNECTION W/STOP 	03567 COUNTERWEIGHT 	03568 COUNTERWEIGHT ARM 
03573 STAIR HANDRAIL JOINT 	03574 COUNTERWEIGHT SHAFT 	FG001 PIVOT DECK GRATE 	FG002 TOWER DECK GRATE 	FG003 STAIR TREAD GRATE 	



Slump  
Master III

Replacement Parts List

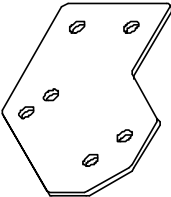
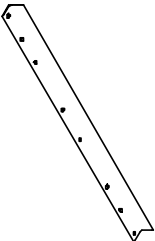
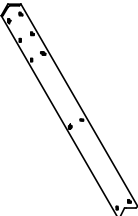
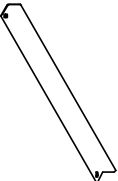
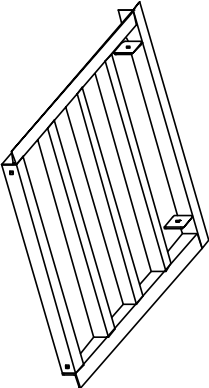
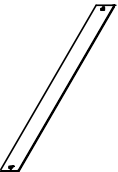
Replacement Parts for Washdown Platform

03663		WASHDOWN TOWER FRAME
03664		WASHDOWN DECK
03665		WASHDOWN HANDRAIL
FG002		TOWER DECK GRATING

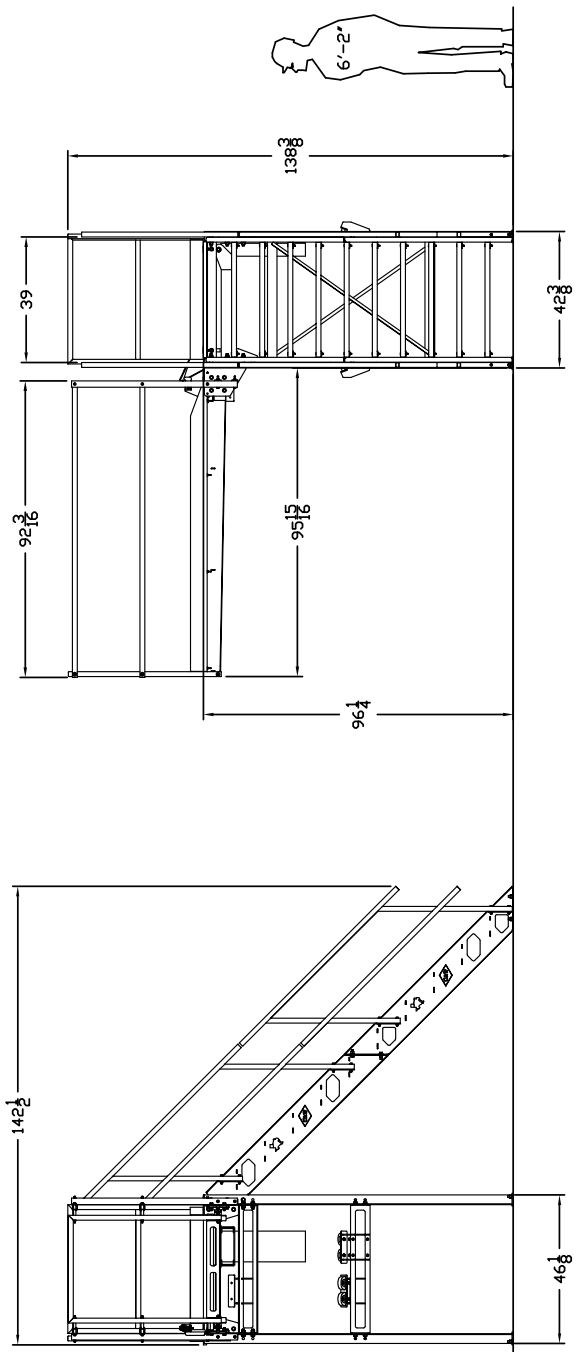
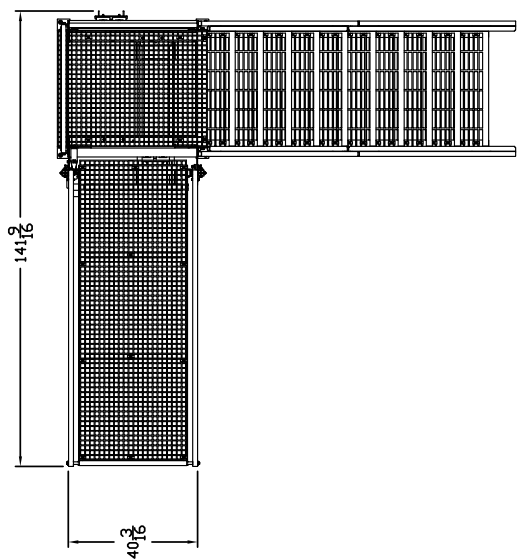
Slump  
Master III

Replacement Parts List

Replacement Parts for Pallet Rack

03430		RACK KNEE BRACE BRACKET	03433		RACK KNEE BRACE
03431		RACK TOWER EXTENSION	03434		RACK SAFETY RAIL
03432		RACK PLATFORM	03435		RACK TOE PLATE

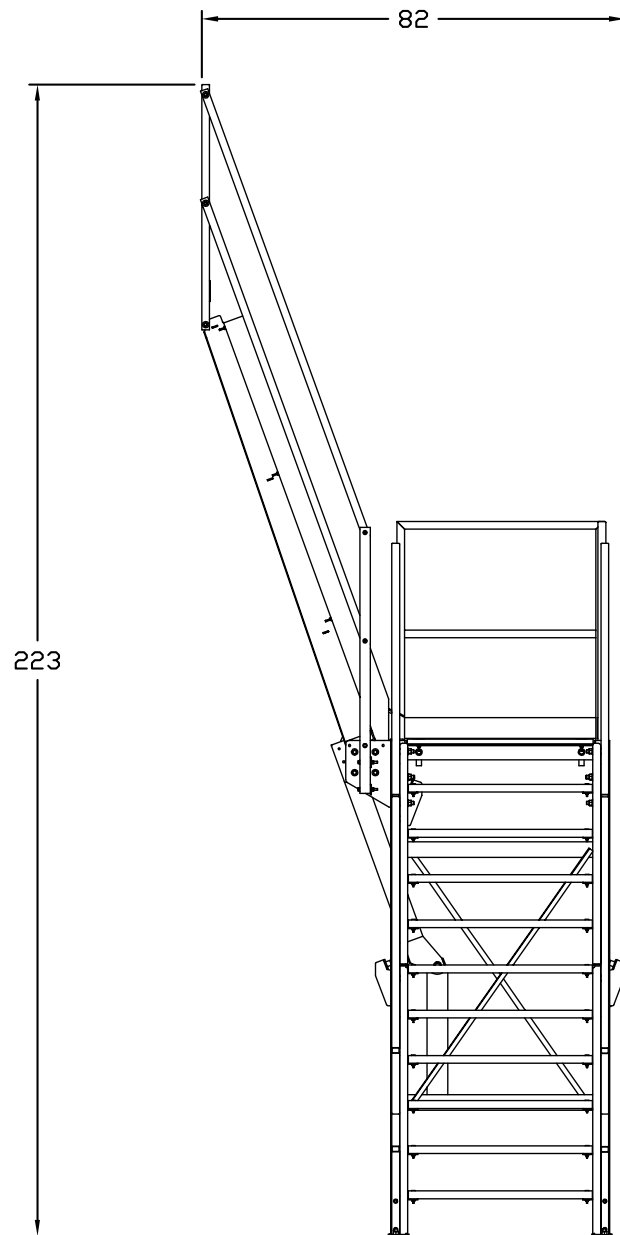
NOTE: THIS PRINT NOT FOR  
CONSTRUCTION. FOR  
GENERAL REF. ONLY



SLUMP MASTER GENERATION 3  
GENERAL ARRANGEMENT

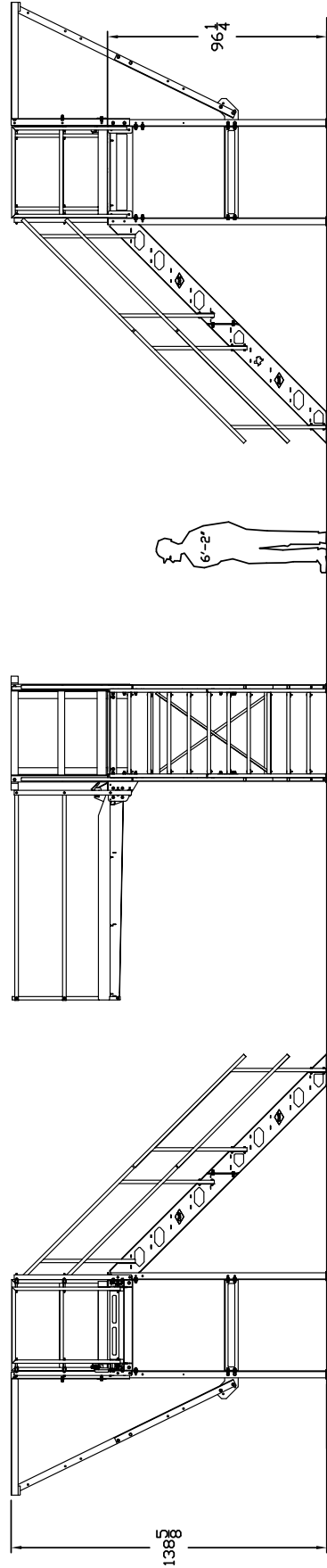
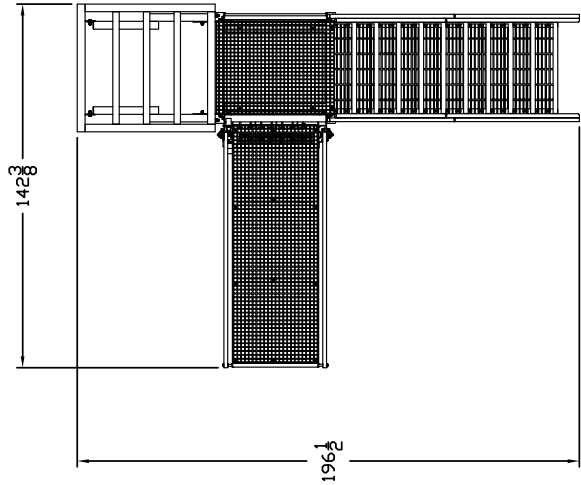
C & W MFG. & SALES CO.  
6933 SHELMOR RD.





SLUMP MASTER GENERATION 3  
GENERAL ARRANGEMENT (RETRACTED)

NOTE: THIS PRINT NOT  
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GENERAL REF. ON



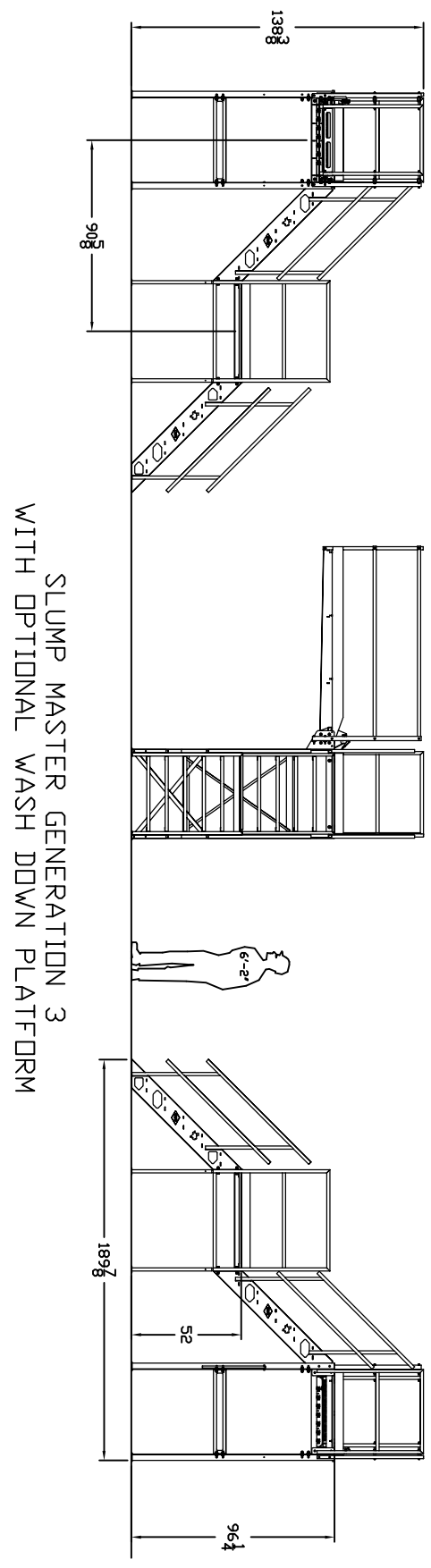
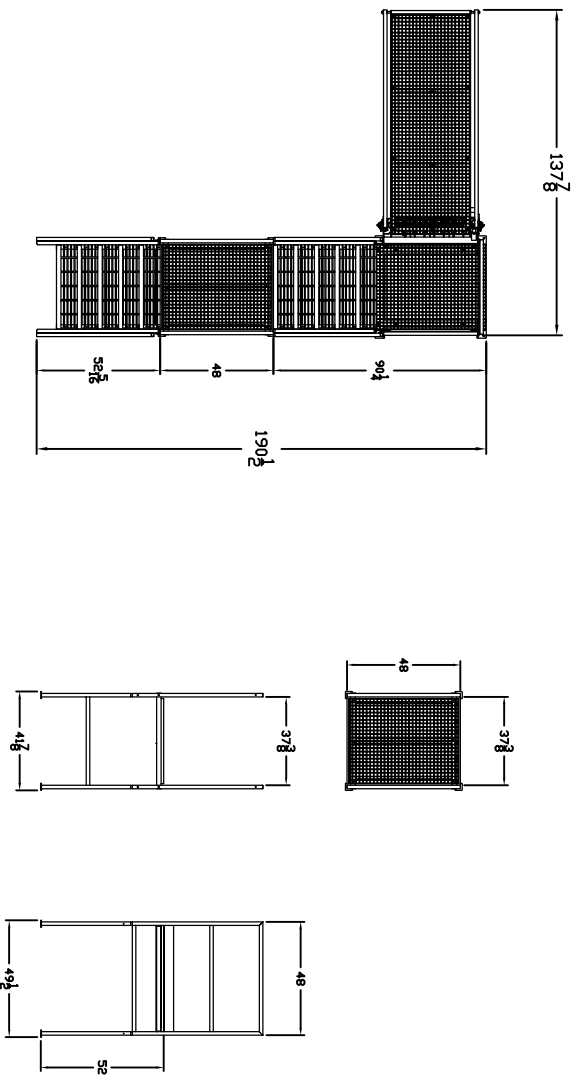
SLUMP MASTER GENERATION 3  
WITH OPTIONAL PALLET RACK

# Single Slump Master III

## Slump Master III

DRAWINGS

GENERAL REF



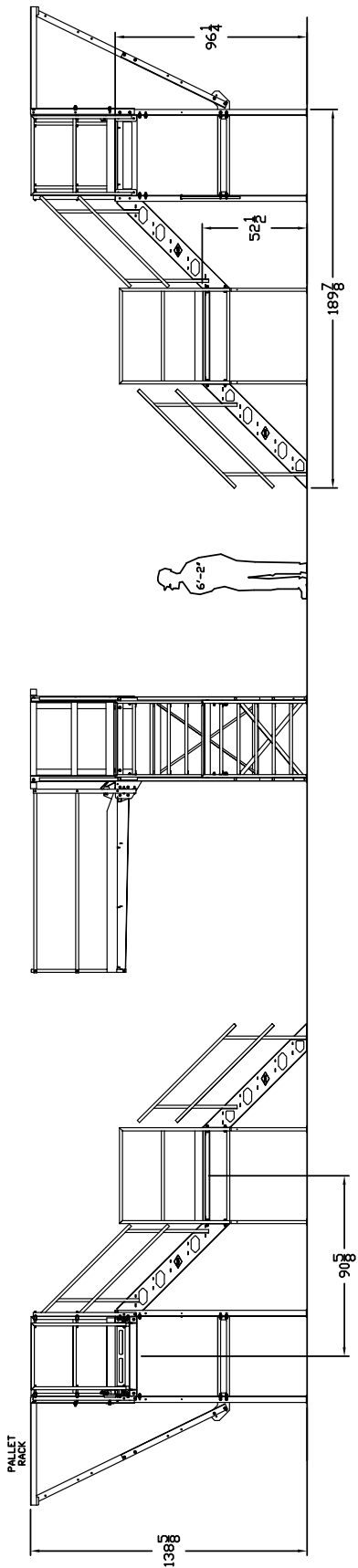
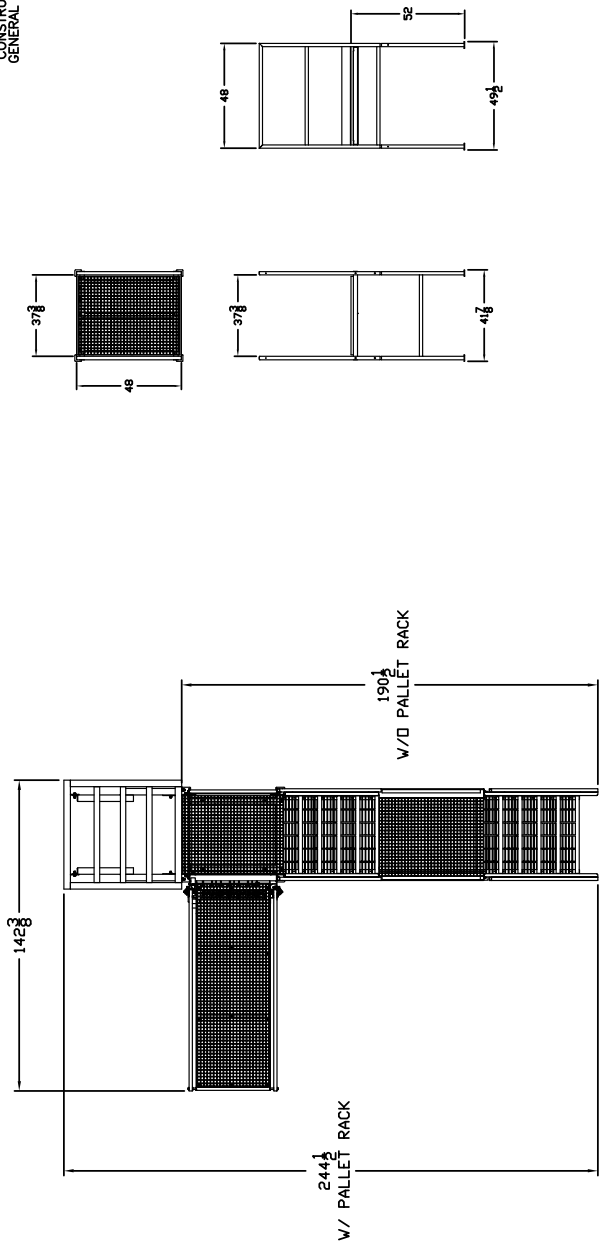
SLUMP MASTER GENERATION 3  
WITH OPTIONAL WASH DOWN PLATFORM

# Slump Master III

# Single Slump Master III

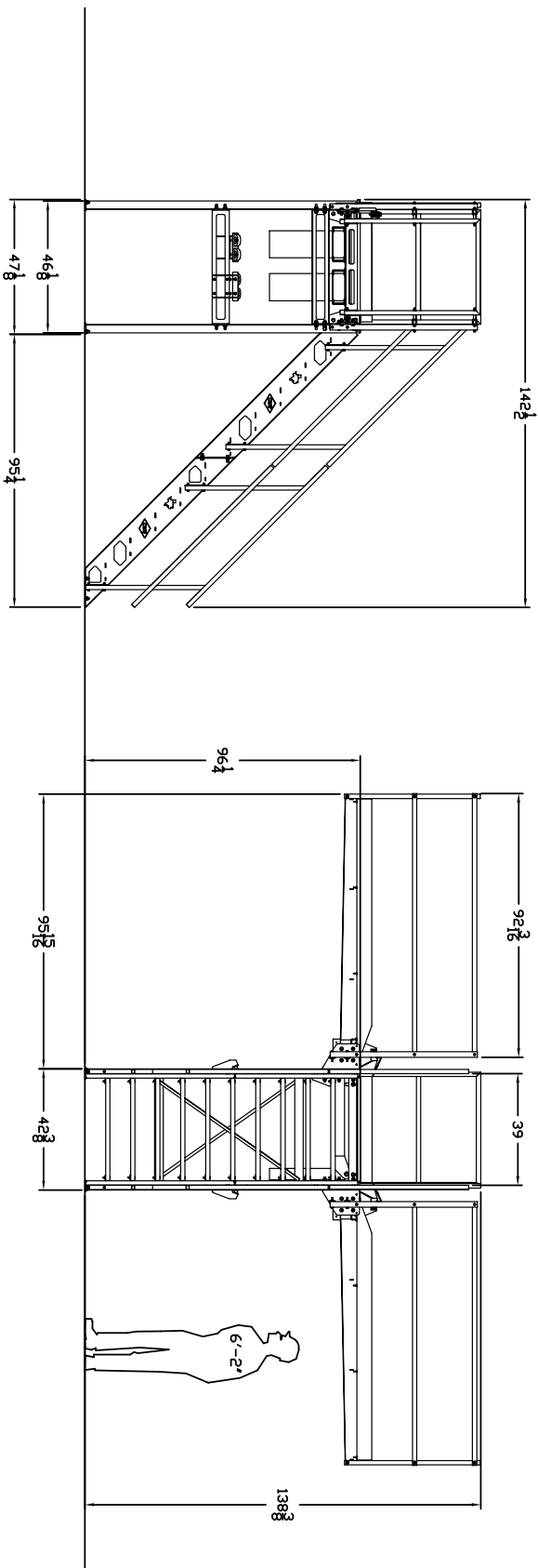
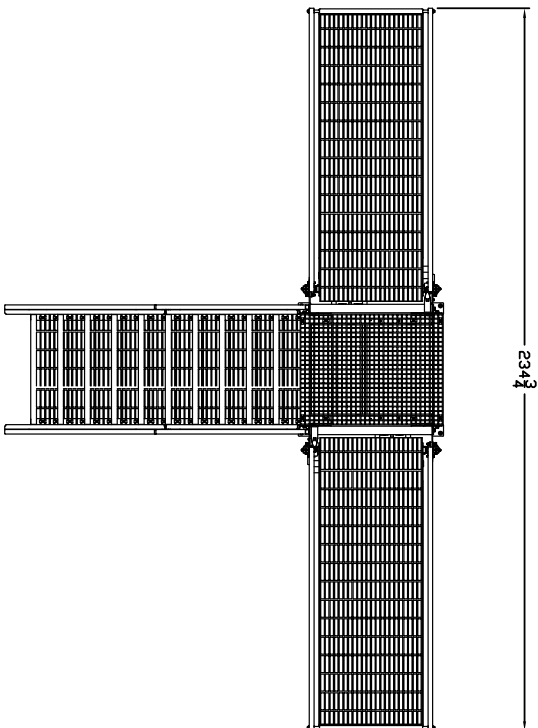
DRAWINGS

NOTE: THIS PRINT NOT  
CONSTRUCTION. FOR  
GENERAL REF. ON



SLUMP MASTER GENERATION 3  
WITH OPTIONAL PALLET RACK  
AND WASH DOWN PLATFORM

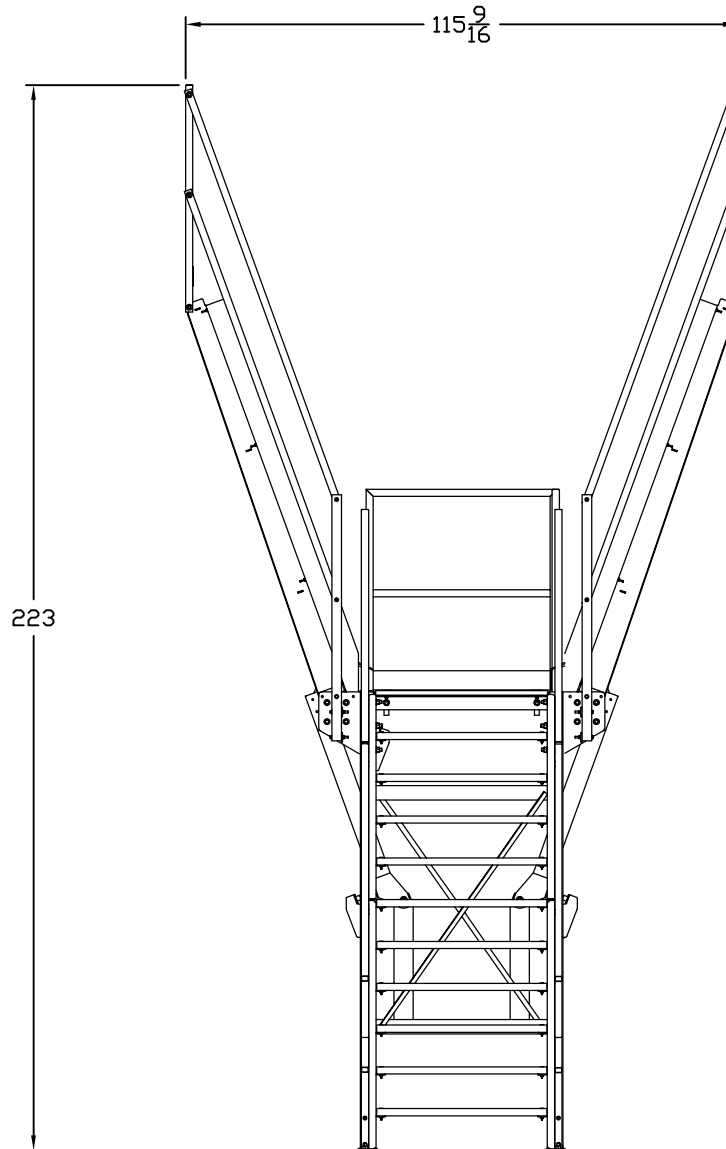




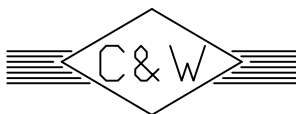
SLUMP MASTER GENERATION 3 DOUBLE  
GENERAL ARRANGEMENT



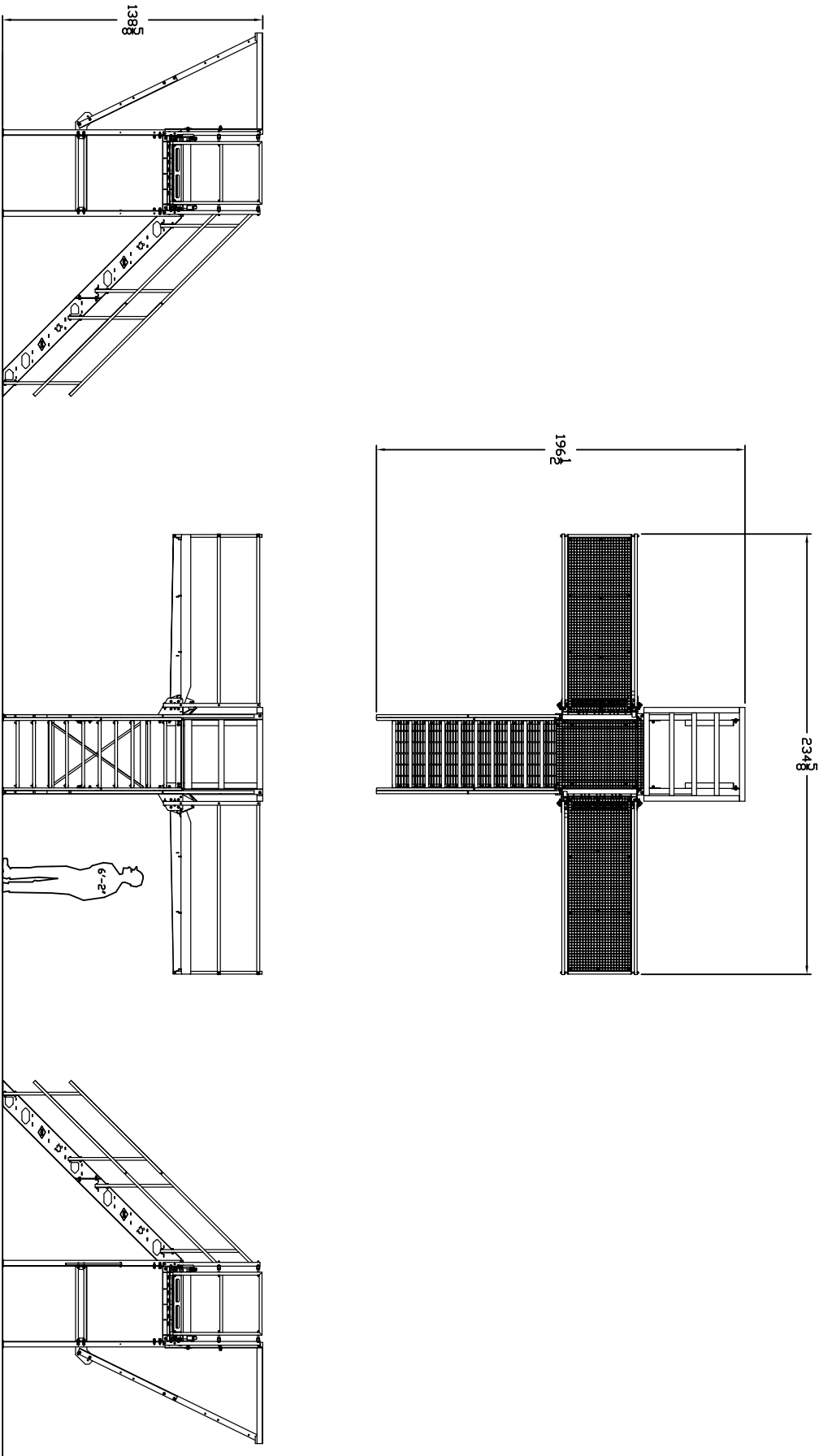
C & W MFG. & SALES CO  
6933 SHELMOER RD.  
ALVARADO, TX 76009



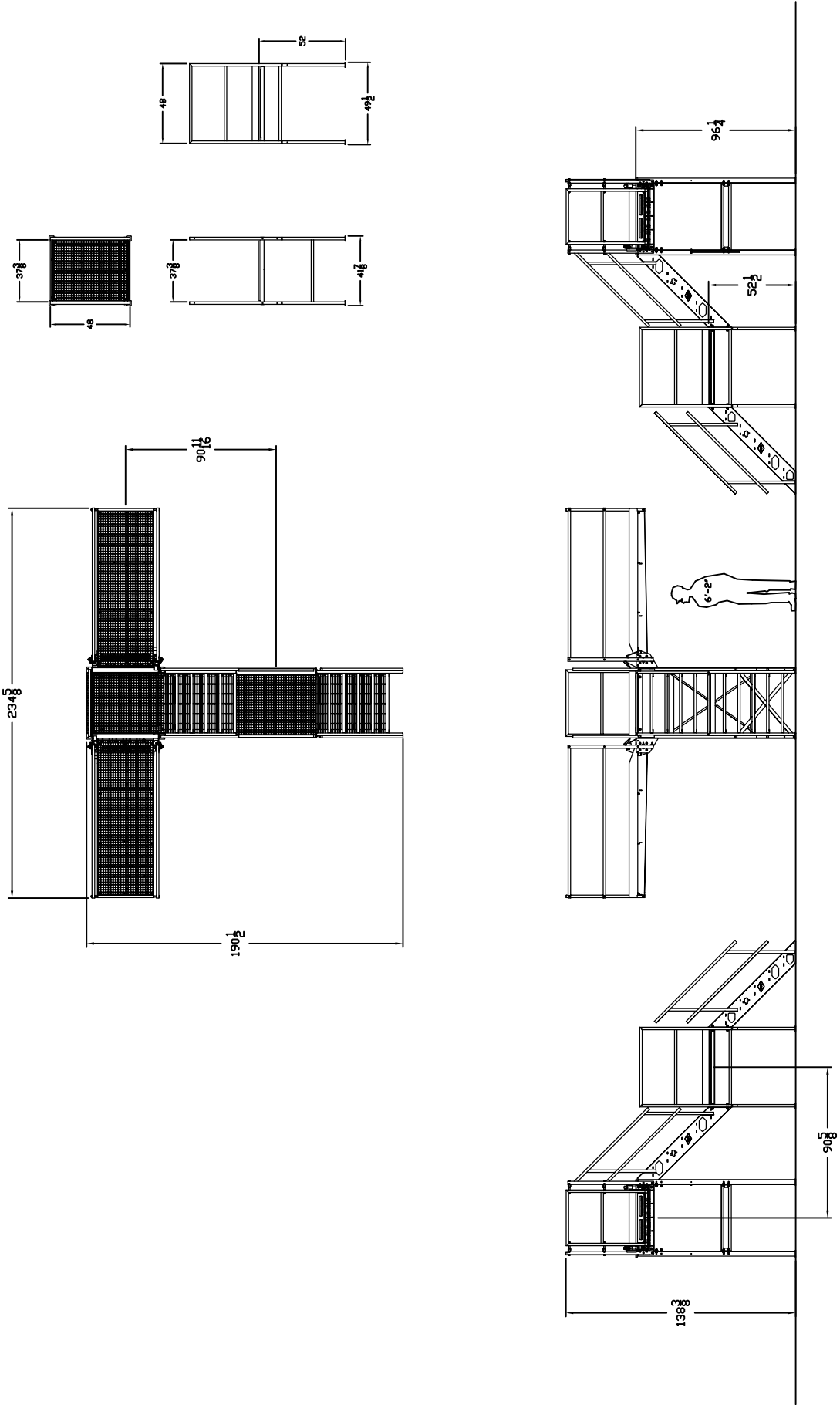
DOUBLE SLUMP MASTER GENERATION 3  
GENERAL ARRANGEMENT (RETRACTED)



C & W MFG. & SALES CO.  
6933 SHELMOR RD.  
ALVARADO, TX 76009

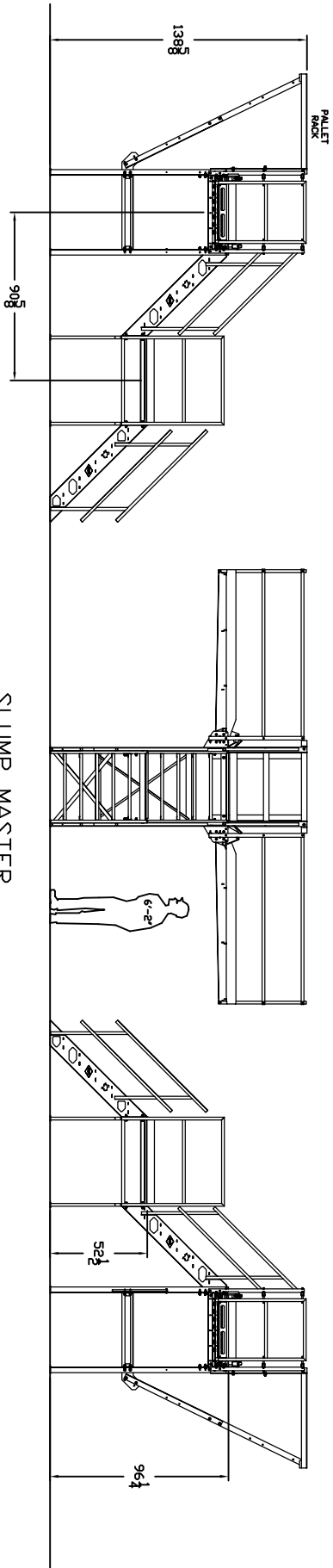
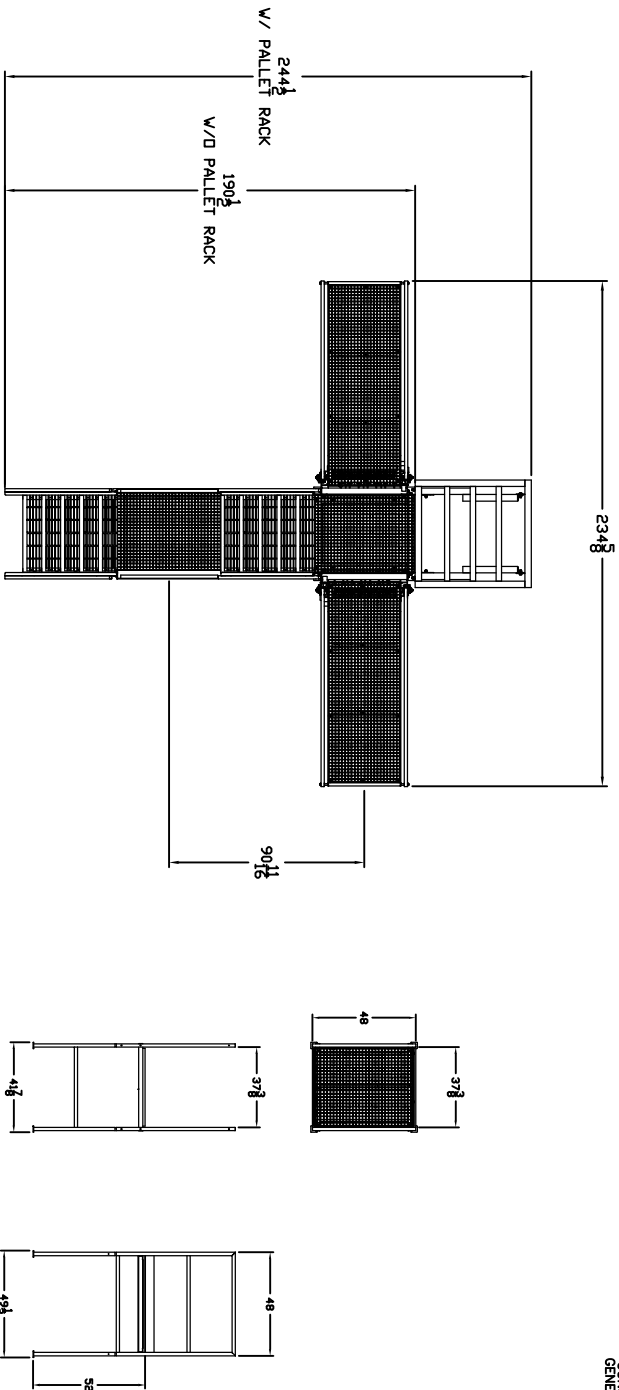


SLUMP MASTER  
GENERATION 3 DOUBLE  
WITH OPTIONAL PALLET RACK



SLUMP MASTER GENERATION 3 DOUBLE  
WITH OPTIONAL WASH DOWN PLATFORM

NOTE: THIS PRINT NOT  
FOR CONSTRUCTION,  
GENERAL REF. OF



SLUMP MASTER  
GENERATION 3 DOUBLE  
WITH OPTIONAL PALLET RACK  
AND WASH DOWN PLATFORM

# Slump Master III

## Double Slump Master III

# Foundation for Slump Master III

# DRAWINGS



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