

Tower Dryer

Model U2412

Parts/Assemblies

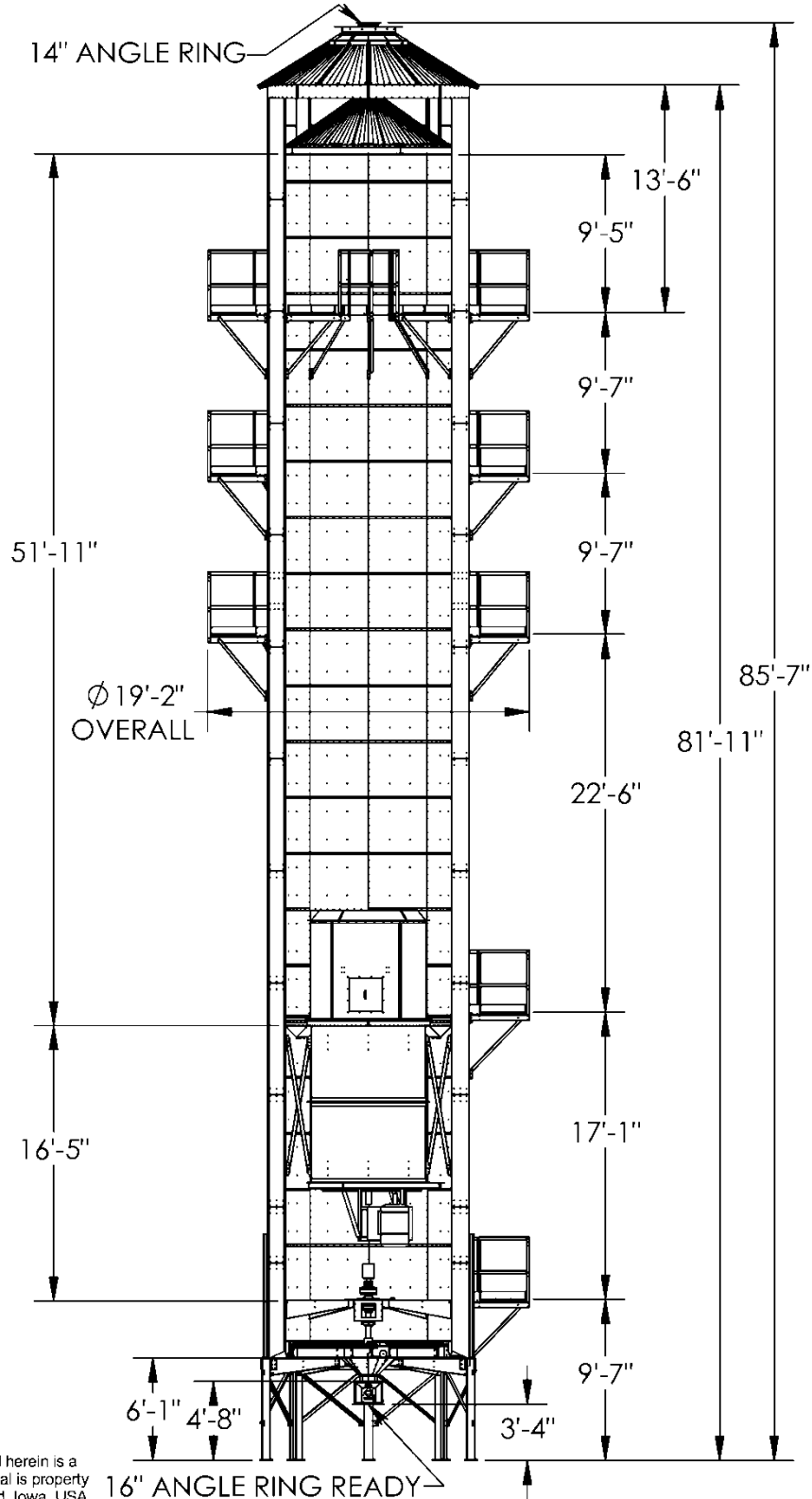
Sukup Manufacturing Co.

1555 - 255th Street, Box 677

Sheffield, Iowa, USA 50475-0677

<u>DATE</u>	<u>REVISION</u>	<u>PAGE</u>
06/14/2022	Updated walkway/platform assembly drawings & parts lists -----	25, 27, 28, 30, 32-36
	Updated peak railing assembly drawing & parts list-----	37
	Updated blower assembly drawings & parts lists -----	48-52
	Added leg assy. drawing & parts list & updated base assy. drawings & parts lists-----	58-60, 62
	Updated drawings & parts list for discharge w/ static sample box -----	71
	Updated drawing & parts list for static sample box insert assy. -----	72
	Added manhole cover drawing & parts list -----	--81

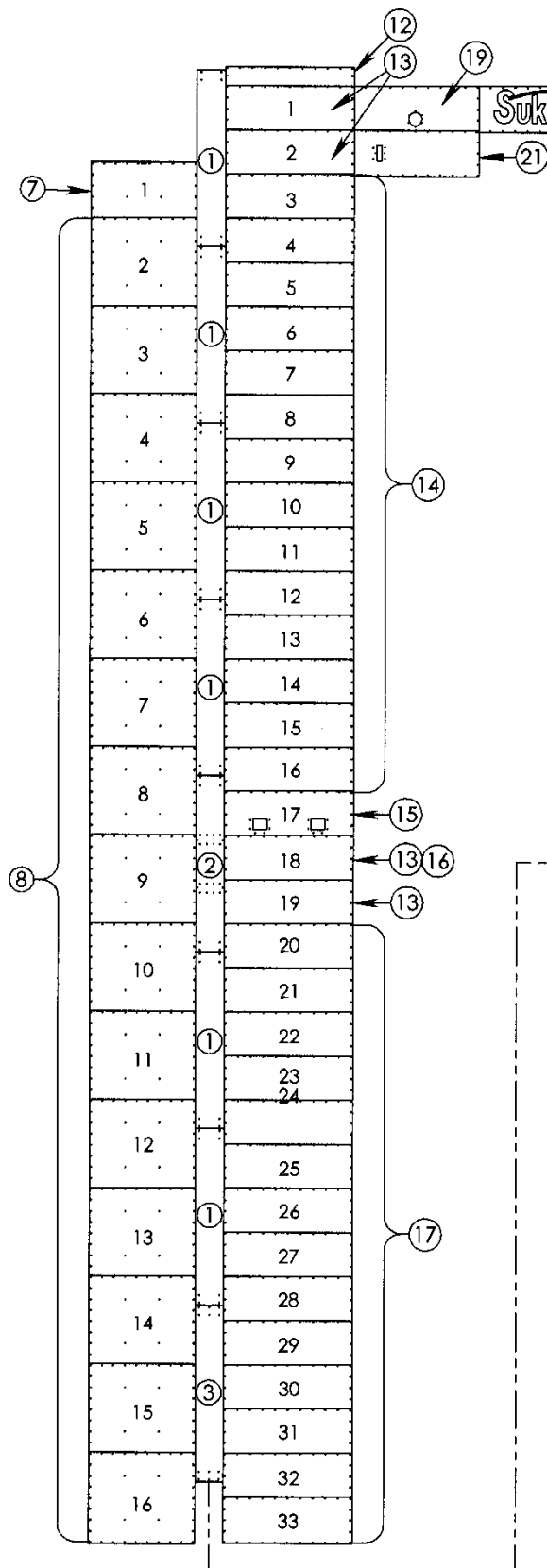
U2412 TOWER DRYER



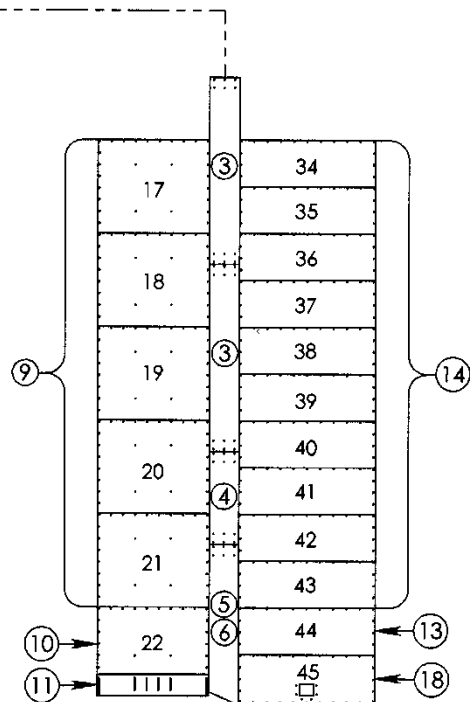
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KJ06/2013

U2412 COLUMN LAYOUT

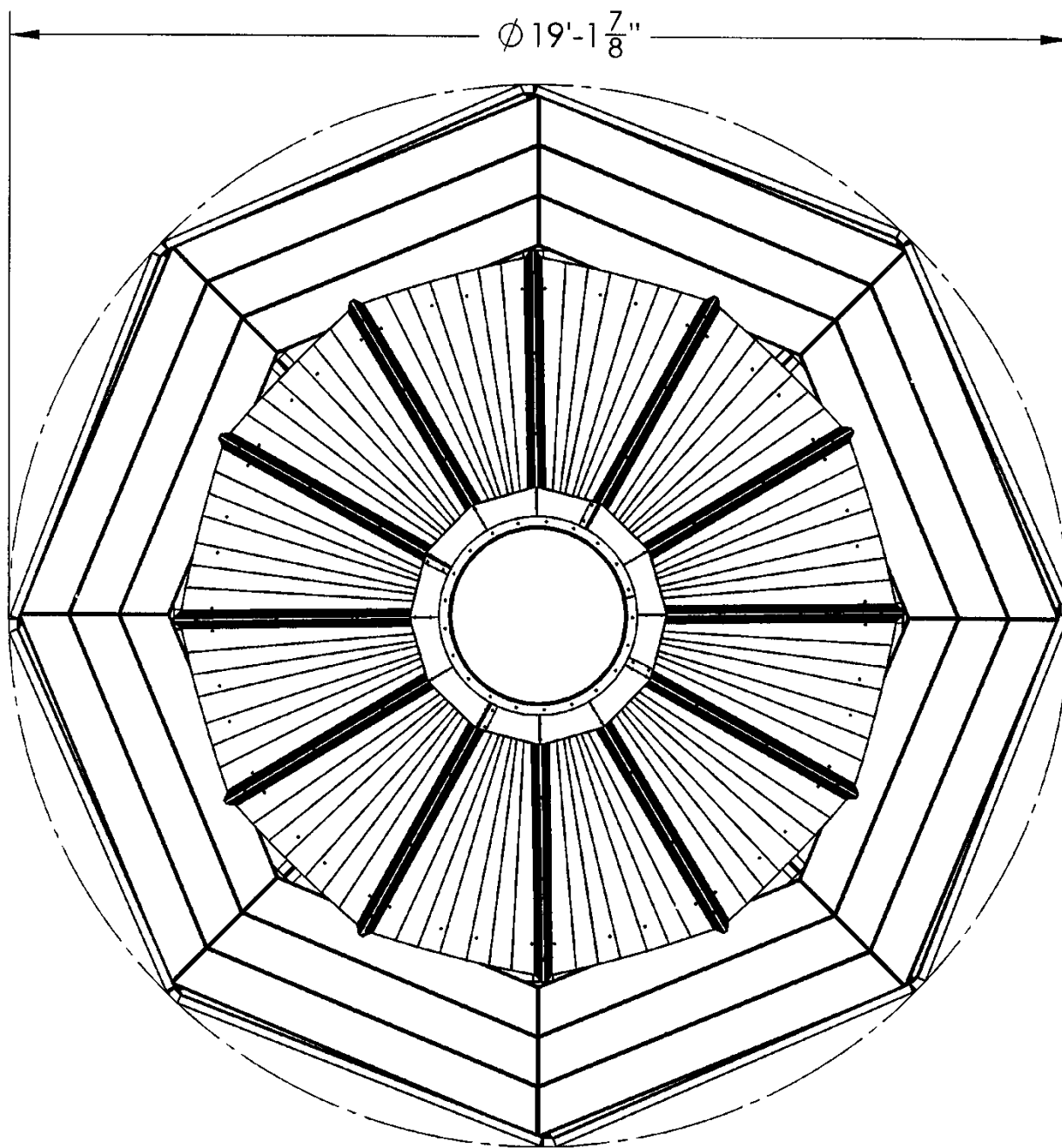


ITEM #	PART#	DESCRIPTION
1	U10106	COLUMN, 10 GA. X 80"
2	U10206	COLUMN, GRAIN TURN, 10 GA. X 80"
3	U10105	COLUMN, 7 GA. X 80"
4	U10204	COLUMN, 7 GA. X 40"
5	U10709	BOTTOM COLUMN LEFT, 68"
6	U10708	BOTTOM COLUMN RIGHT, 68"
7	U12141	INNER UPPER STARTER PERF .078
8	U12144	INNER UPPER PERF .078, 16 GA
9	U12145	INNER LOWER PERF .063, 18 GA
10	U12142	INNER BOTTM SOLID
11	U12147	FLOW CONTROL SLIDE PANEL
12	U18170	OUT TOP EAVE ATTACHMENT RING
13	U10141	OUTER SOLID SS 22GA.
14	U10143	OUTER PERF .078
15	U10156	OUTER PERF W/ CLEAN OUT, .078
16	U10164	BACKING PANEL@ GRAIN TURNER
17	U10142	OUTER PERF .0625
18	U10155	OUTER SOLID W/CLEAN OUT, SS 22GA.
19	U10141L	OUTER SOLID SS 22GA.W/LEVEL INDICATOR CUTOUT
20	U10141S	OUTER SOLID SS 22GA. SUKUP LOGO
21	U10141M	OUTER SOLID SS, MOISTURE SENSOR

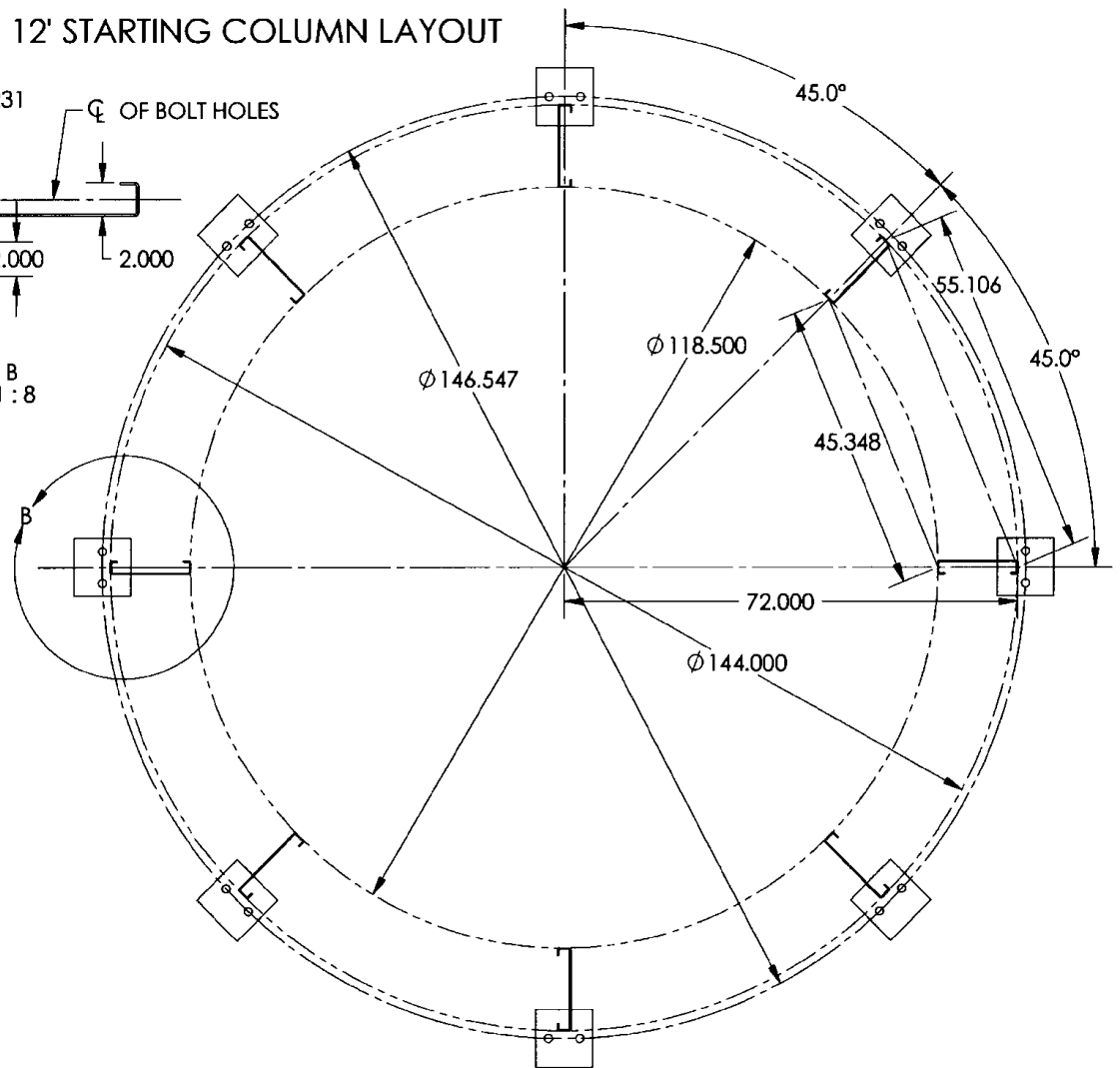
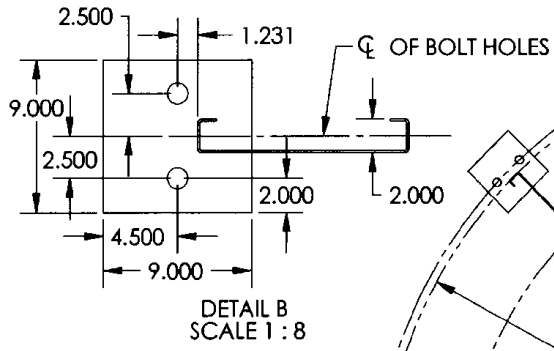


2011KJ

12' DIA. TOWER DRYER OVERALL DIMENSION



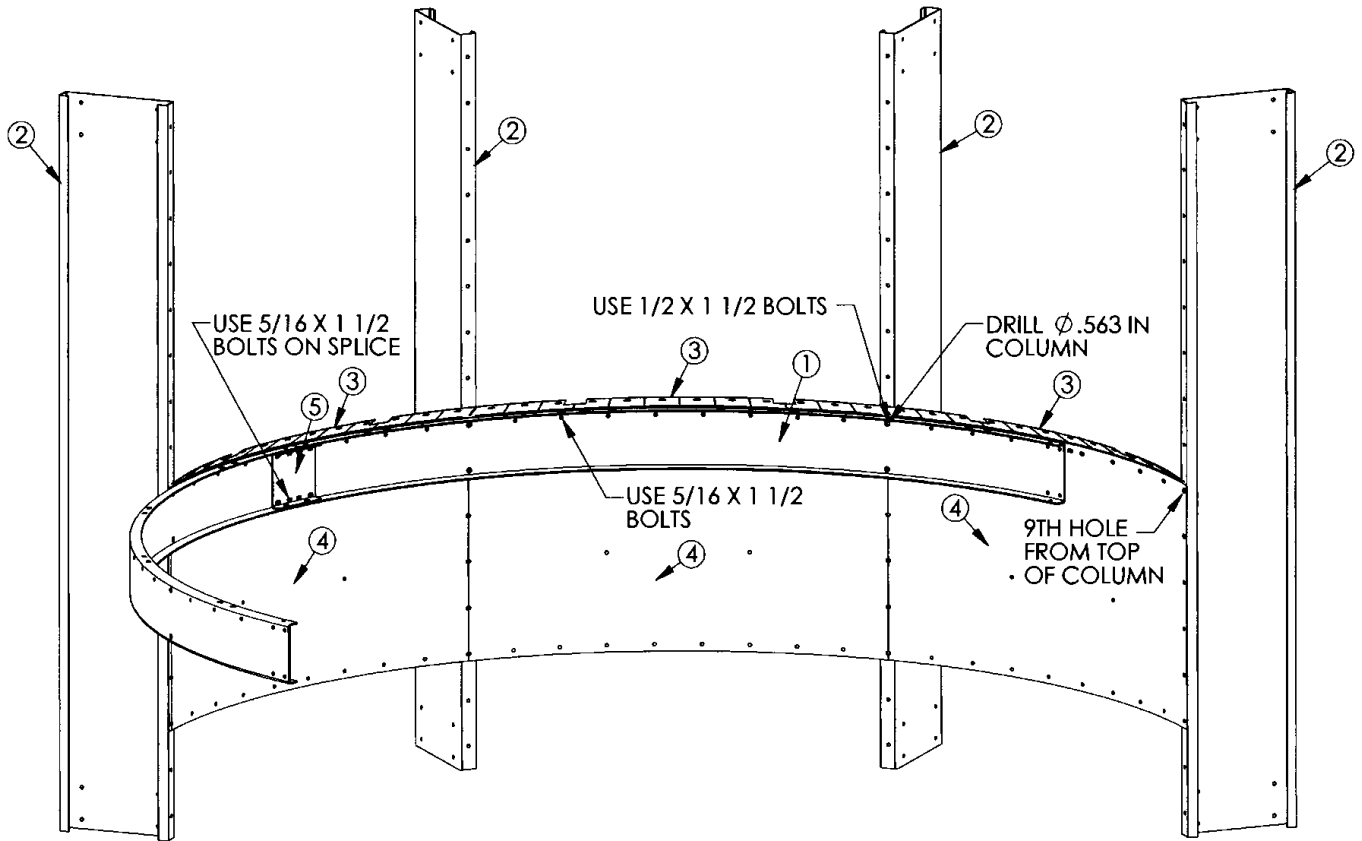
12' STARTING COLUMN LAYOUT



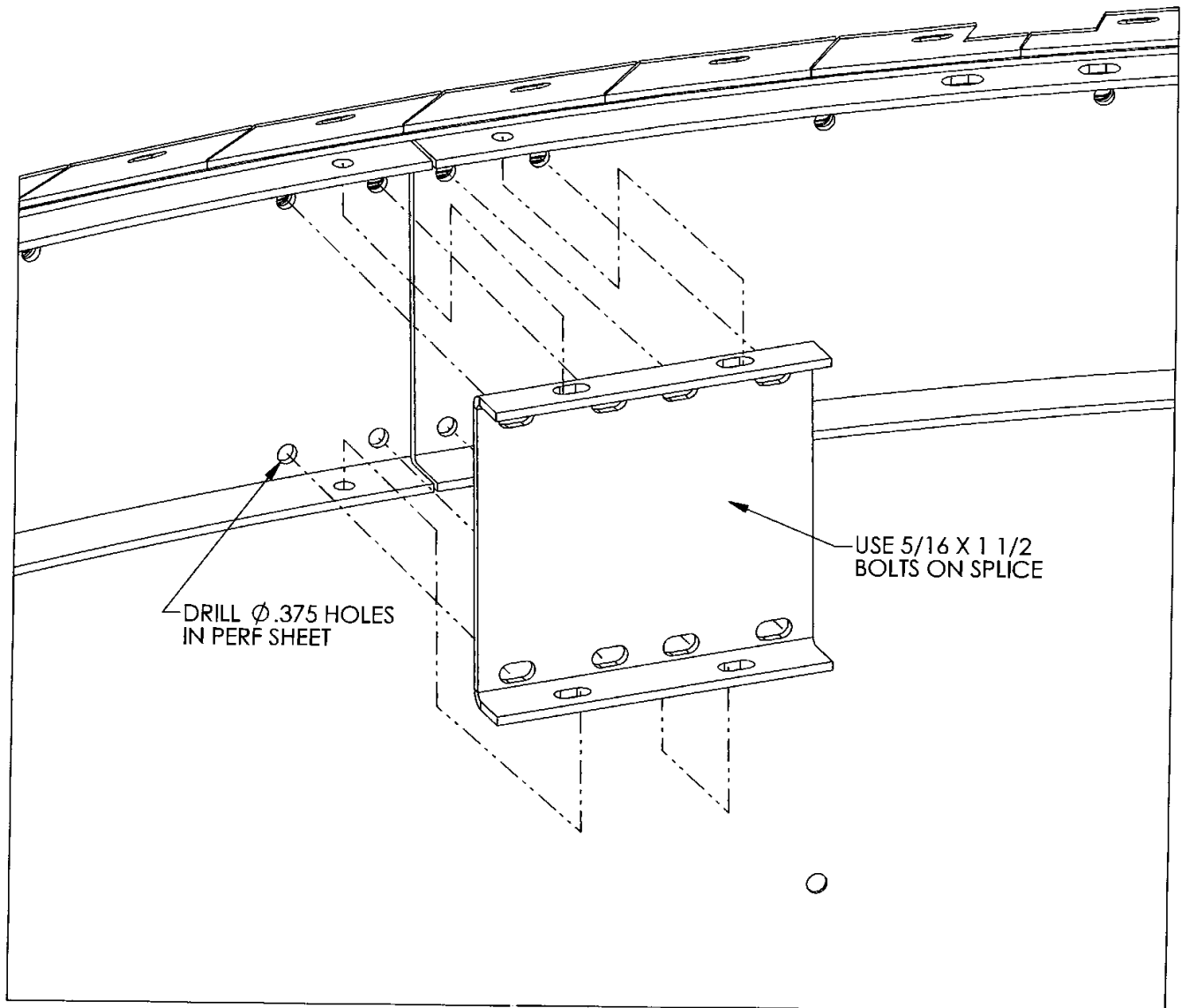
12' WET HOLDING ASSEMBLY STEP 1

REF	PART #	DESCRIPTION
1	U12131	INNER RAFTER RING
2	U10106	COLUMN, 10 GA. X 80"
3	U12130	ATTACHMENT RING, FLOOR, WET HOLD
4	U12141	INNER UPPER STARTER PERF .078
5	U10138	SPLICE INNER RAFTER RING

NOTE: 1. C-RING ON TOP OF PERF AND ATTACHMENT RING FOR FLOOR PANELS BEHIND PERF SHEET.

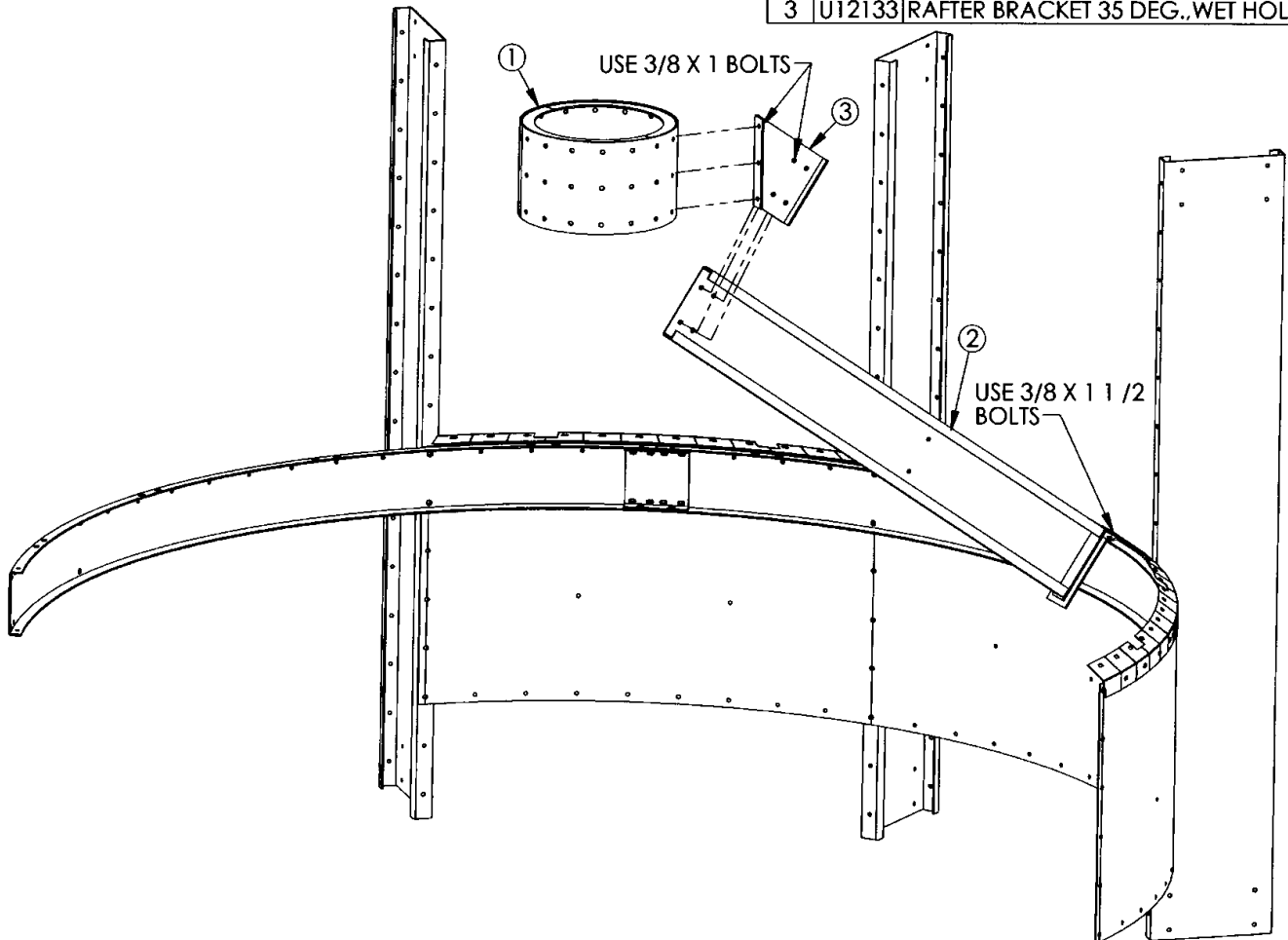


C-RING SPLICE ASSEMBLY



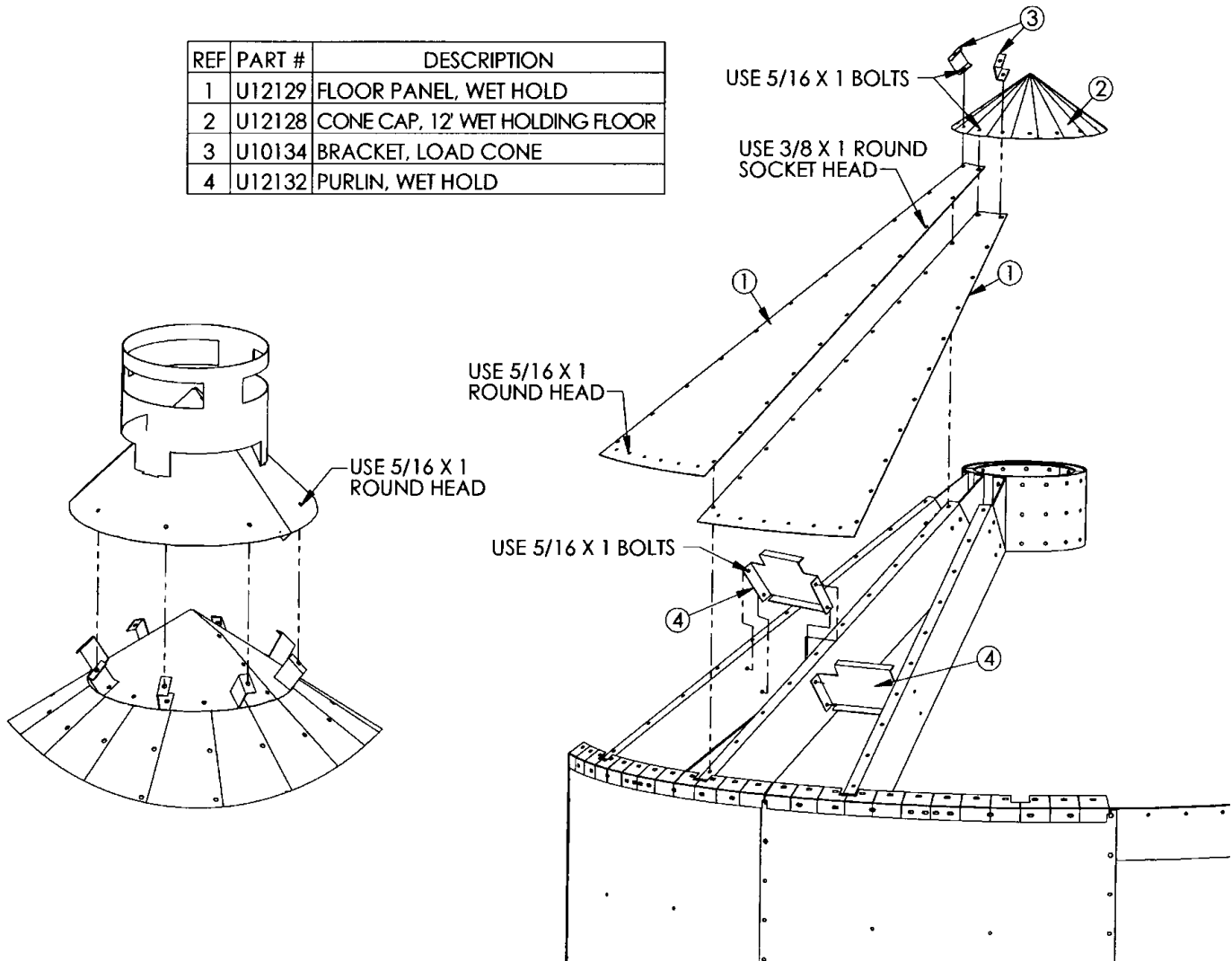
12' WET HOLDING ASSEMBLY STEP 2

REF	PART #	DESCRIPTION
1	U12140	PEAK RING WELDMENT, WET HOLD FLOOR
2	U12134	RAFTER WELDMENT
3	U12133	RAFTER BRACKET 35 DEG., WET HOLD



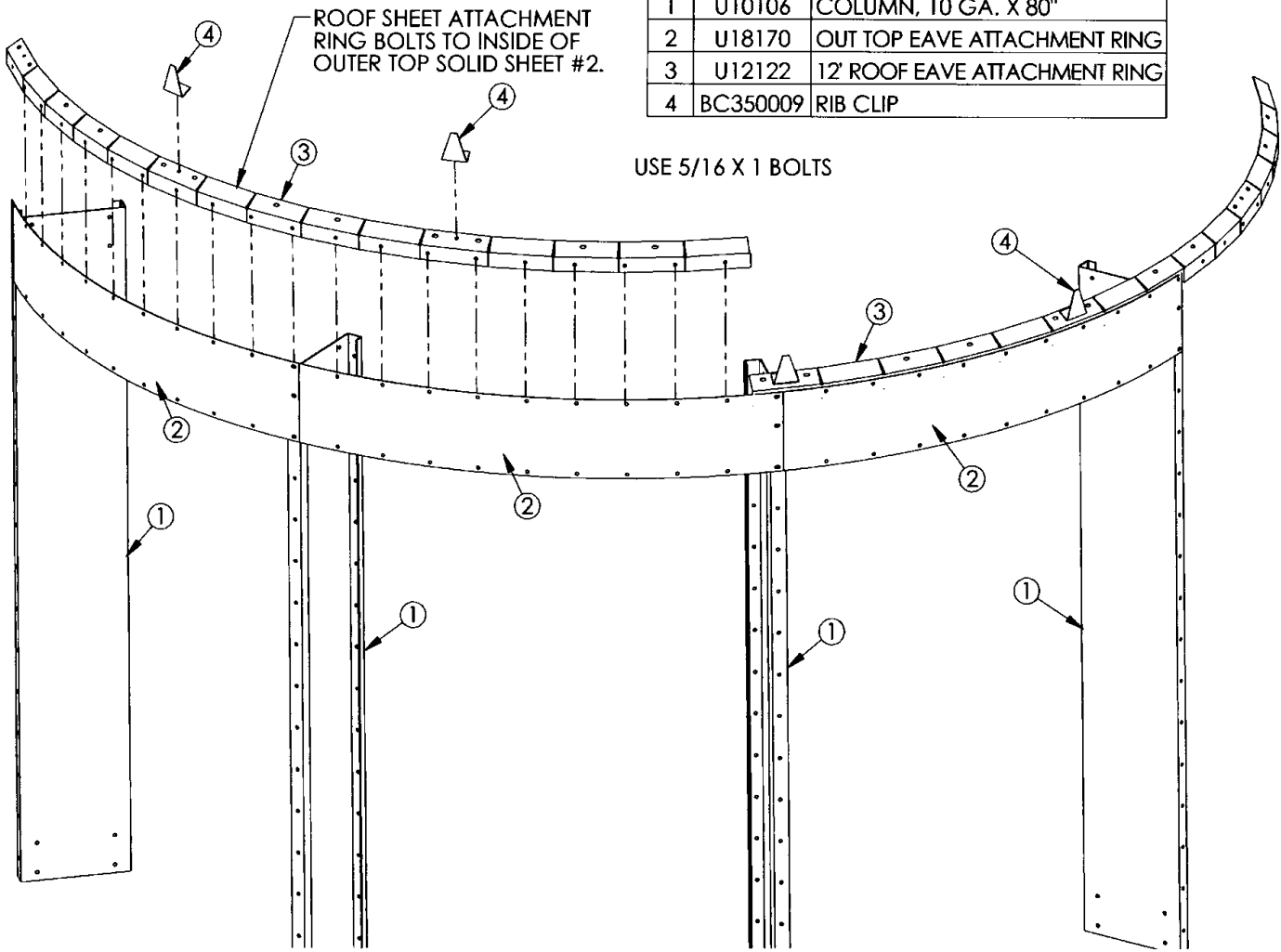
12' WET HOLDING ASSEMBLY STEP 3

REF	PART #	DESCRIPTION
1	U12129	FLOOR PANEL, WET HOLD
2	U12128	CONE CAP, 12' WET HOLDING FLOOR
3	U10134	BRACKET, LOAD CONE
4	U12132	PURLIN, WET HOLD

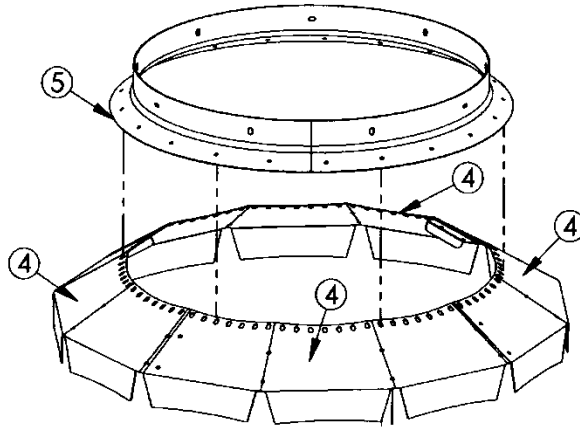


12' ROOF ASSEMBLY STEP 1

REF	PART #	DESCRIPTION
1	U10106	COLUMN, 10 GA. X 80"
2	U18170	OUT TOP EAVE ATTACHMENT RING
3	U12122	12' ROOF EAVE ATTACHMENT RING
4	BC350009	RIB CLIP

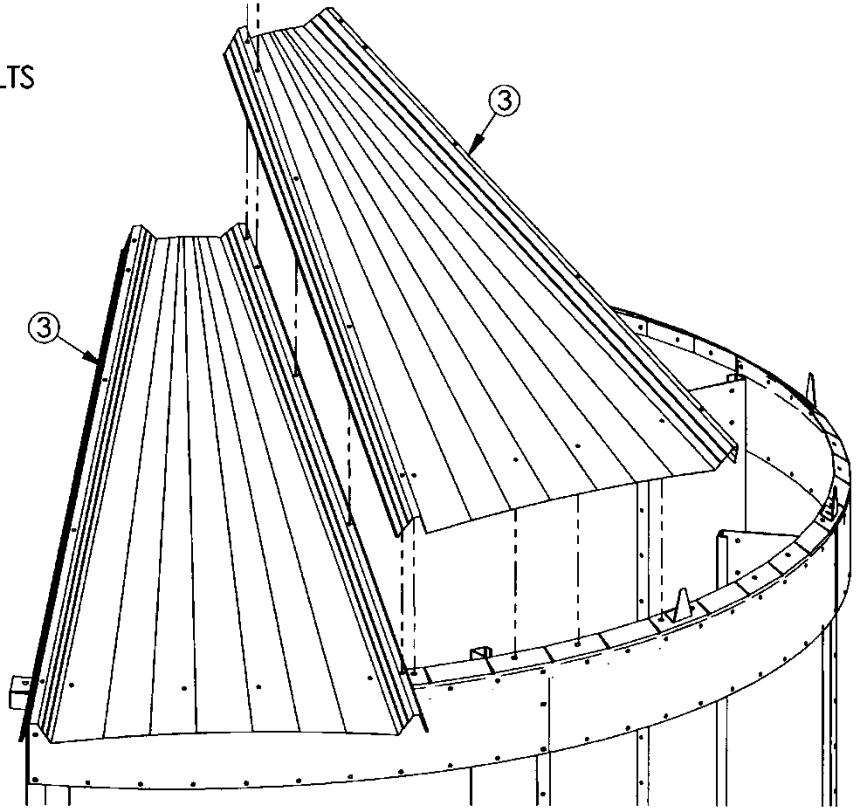


12' ROOF ASSEMBLY STEP 2



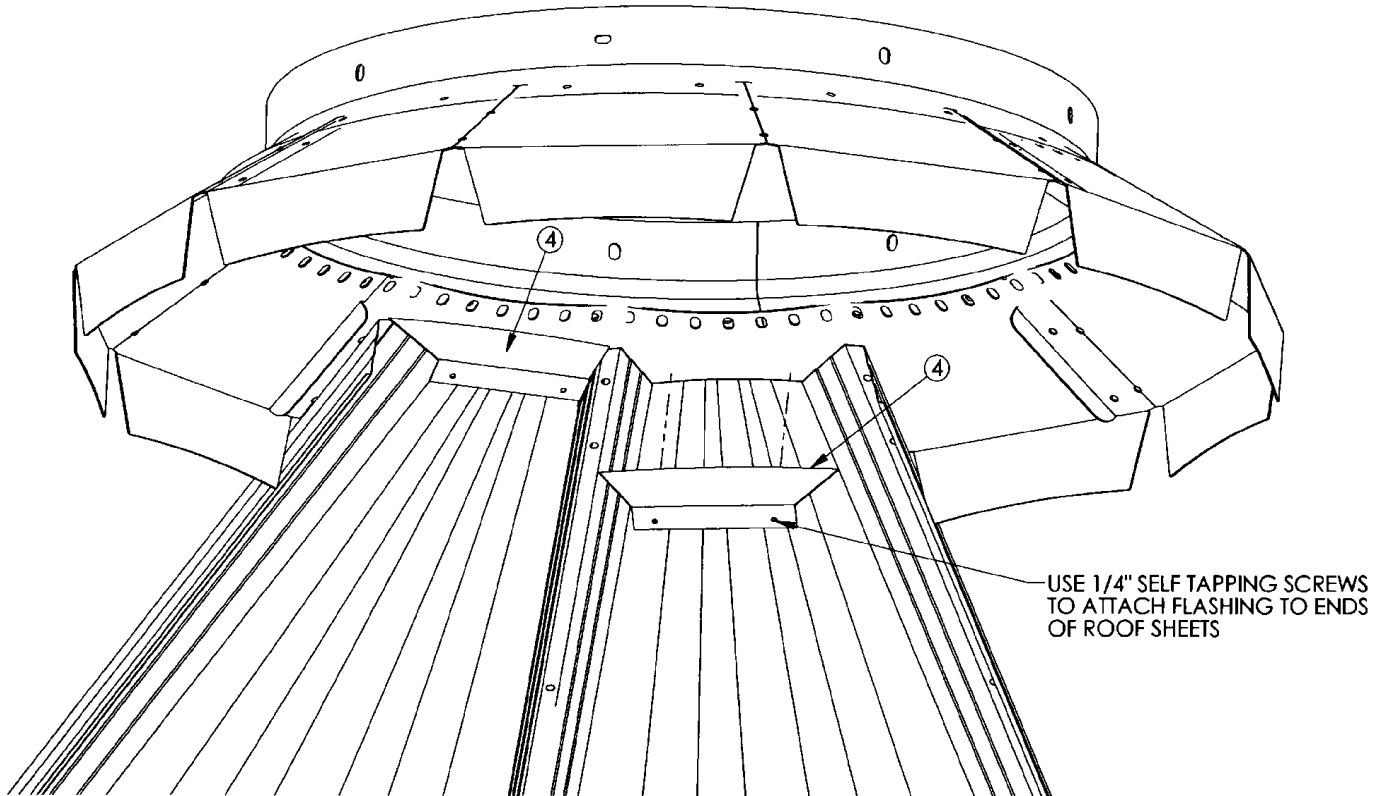
USE 5/16 X 1 1/4 FLANGE BOLTS

REF	PART #	DESCRIPTION
1	U12121	12' DIA ROOF SHEET
2	U12123	12' ARPON PANEL
3	B5362	PEAK RING

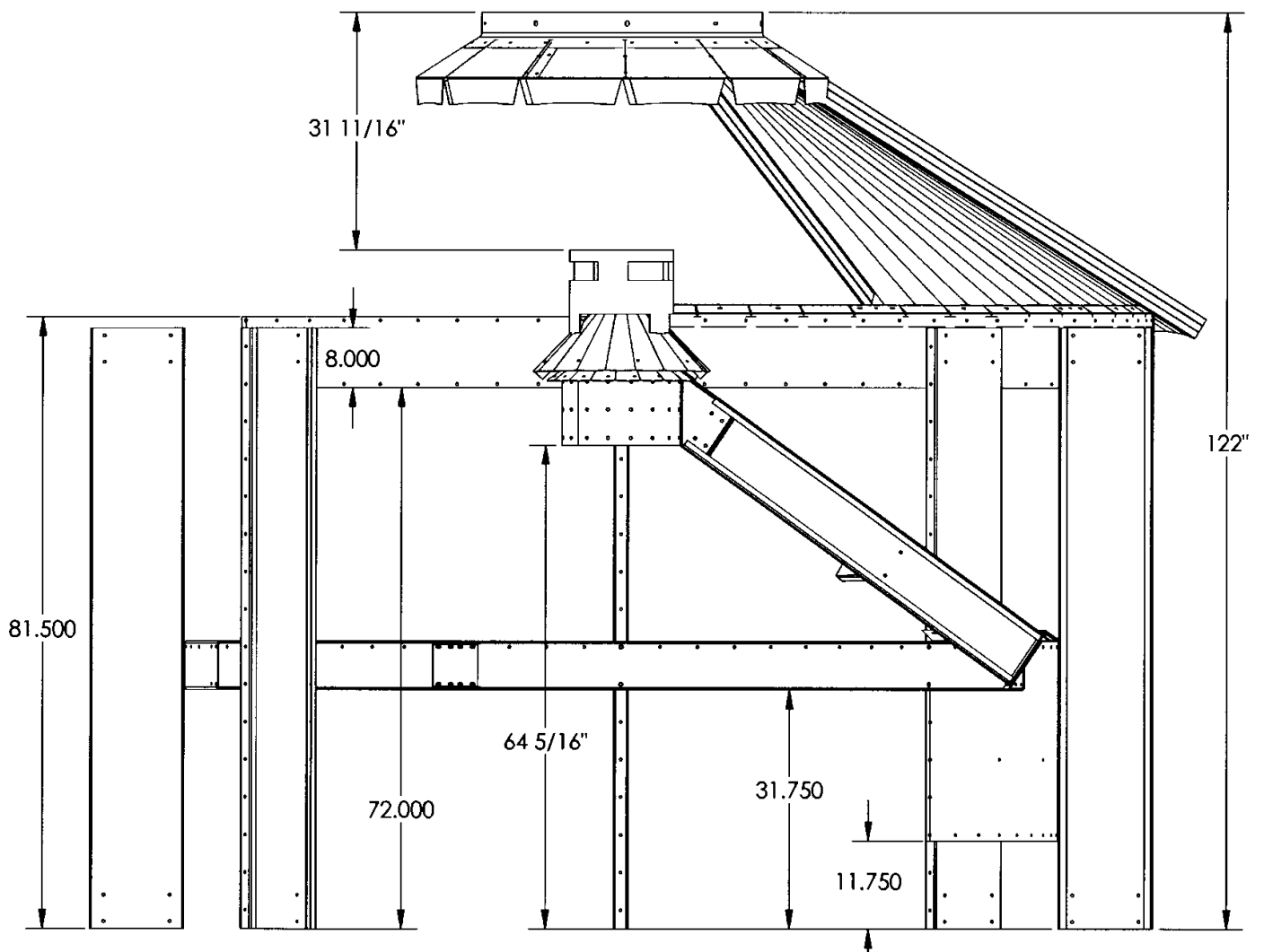


12' ROOF ASSEMBLY STEP 3

REF	PART #	DESCRIPTION
1	U12124	FLASHING, PEAK RING

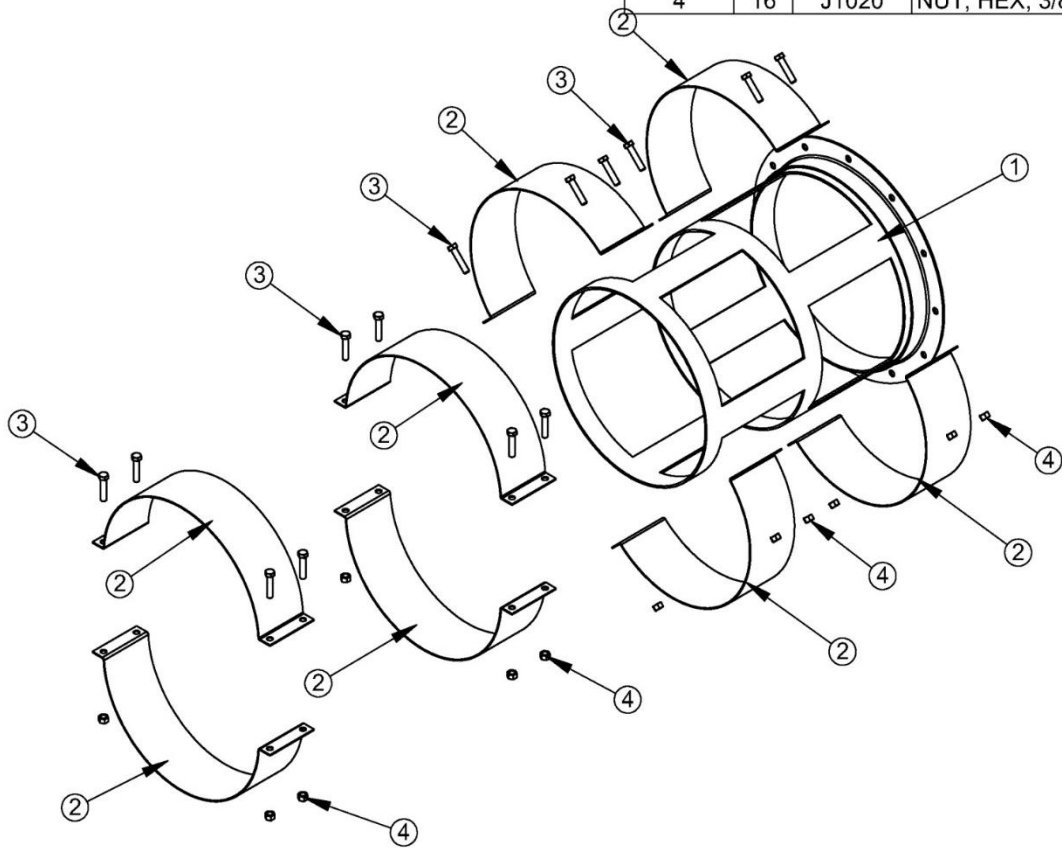


12' WET HOLD LAYOUT



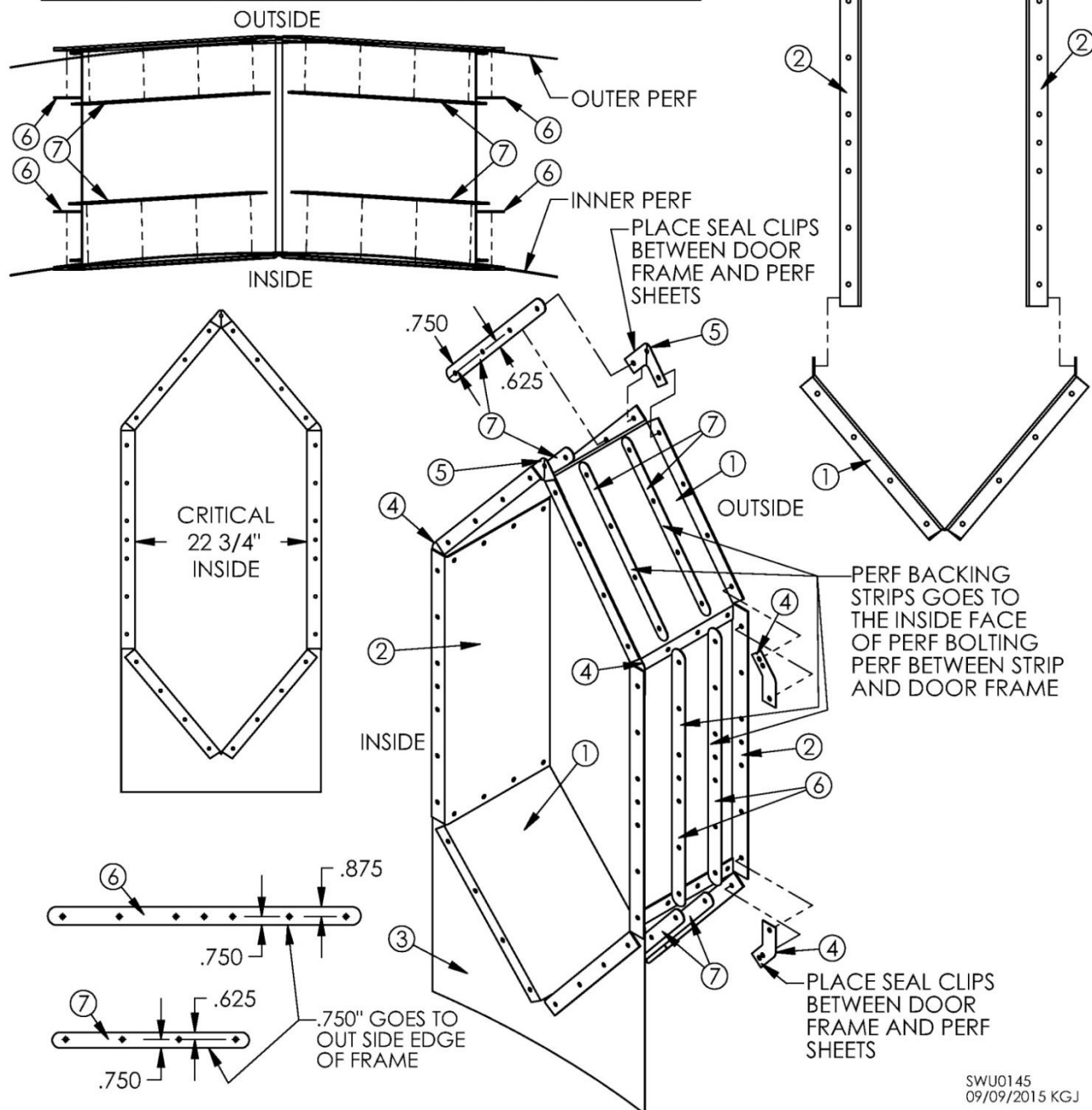
GRAIN FLOW CONTROL TUBE
U10246

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	U10247	TUBE WELDMENT, FLOW CONTROL, 14"
2	8	U10248	SLEEVE CLAMP, 14", HALF
3	16	J0640	BOLT, 3/8-16, 1.75, PLT, TAP
4	16	J1020	NUT, HEX, 3/8-16, PLT



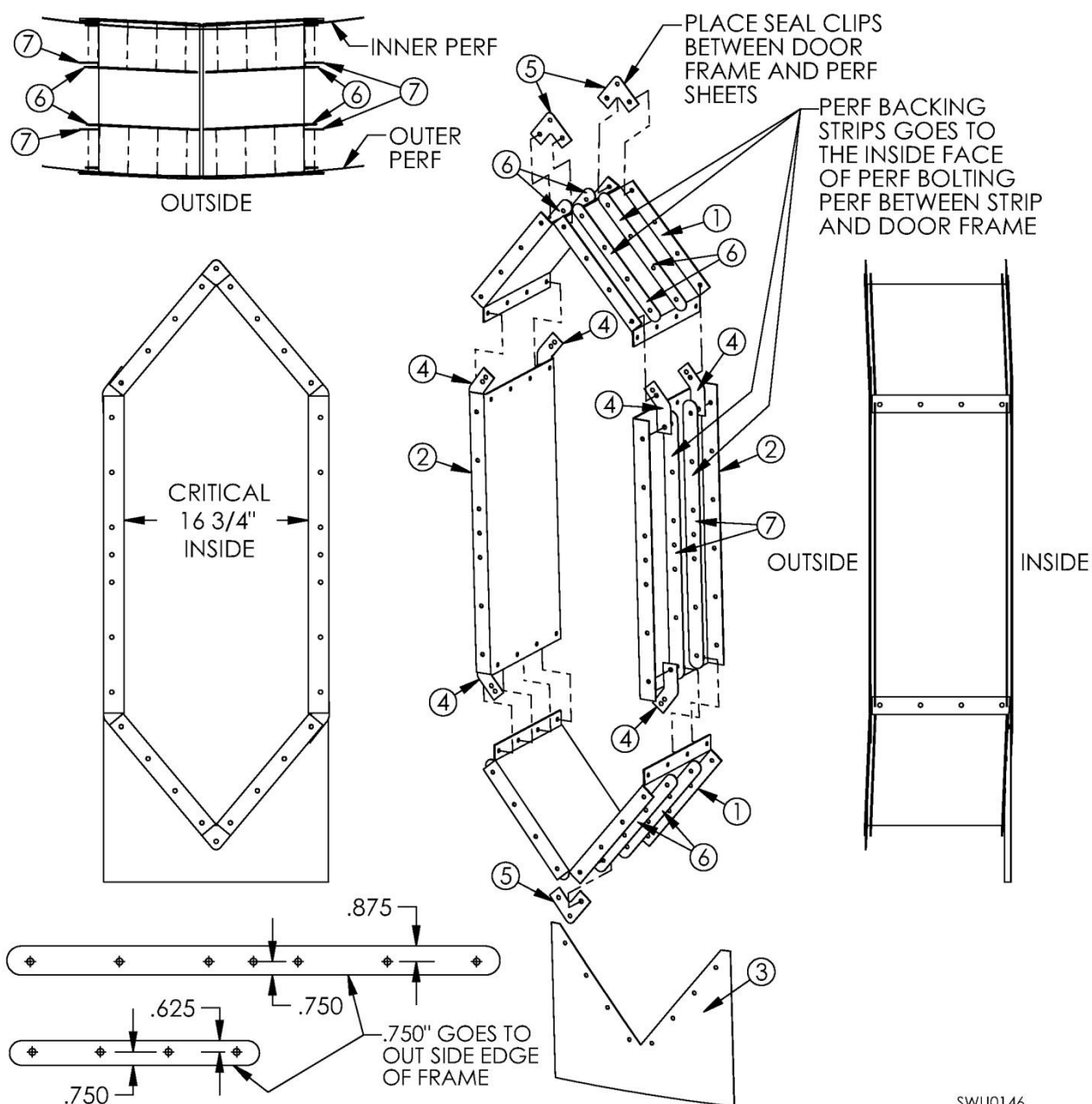
DOOR AND FREE AIR FRAME ASSEMBLY

ITEM #	PART #	QTY.	DESCRIPTION
1	U18181	2	END, FREE AIR OPENING
2	U18182	2	SIDE, FREE AIR OPENING
3	U10151	1	AIR STOP PLATE, LARGE FREE AIR OPEN
4	U10232	6	FILLER 2, DOOR FRAME
5	U10231	3	FILLER 1, DOOR FRAME LARGE
6	U181821	4	PERF BACKING STRIP, SIDE
7	U181811	8	PERF BACKING STRIP



SMALL FREE AIR OPENING

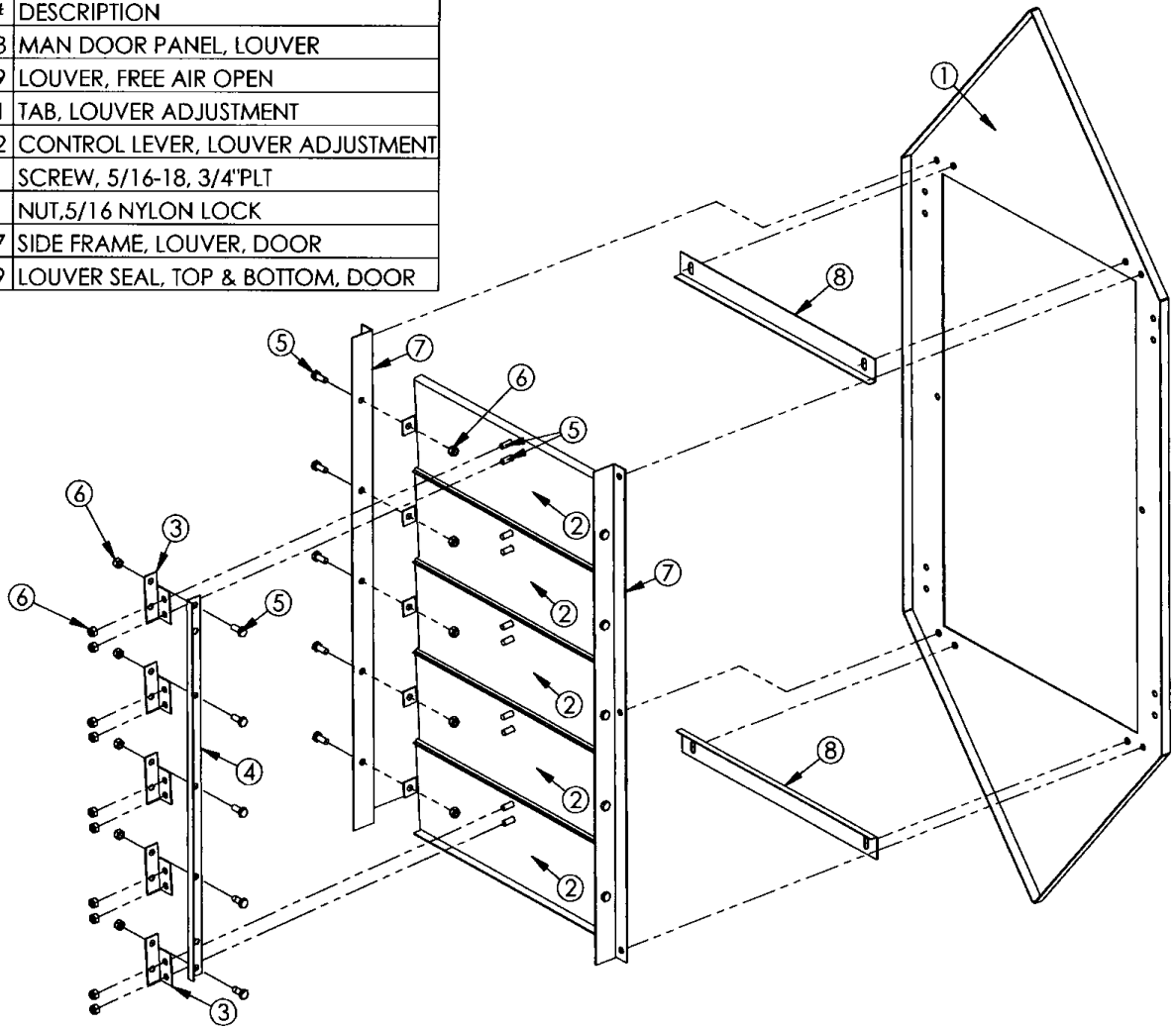
ITEM #	PART #	QTY.	DESCRIPTION
1	U18188	2	END SMALL, FREE AIR OPENING
2	U18182	2	SIDE, FREE AIR OPENING
3	U10152	1	AIR STOP PLATE, SMALL FREE AIR OPEN
4	U10232	6	FILLER 2, DOOR FRAME
5	U10233	3	FILLER 1, DOOR FRAME SMALL
6	U181881	8	PERF BACKING STRIP
7	U181821	4	PERF BACKING STRIP, SIDE



SWU0146
09/09/2015 KGJ

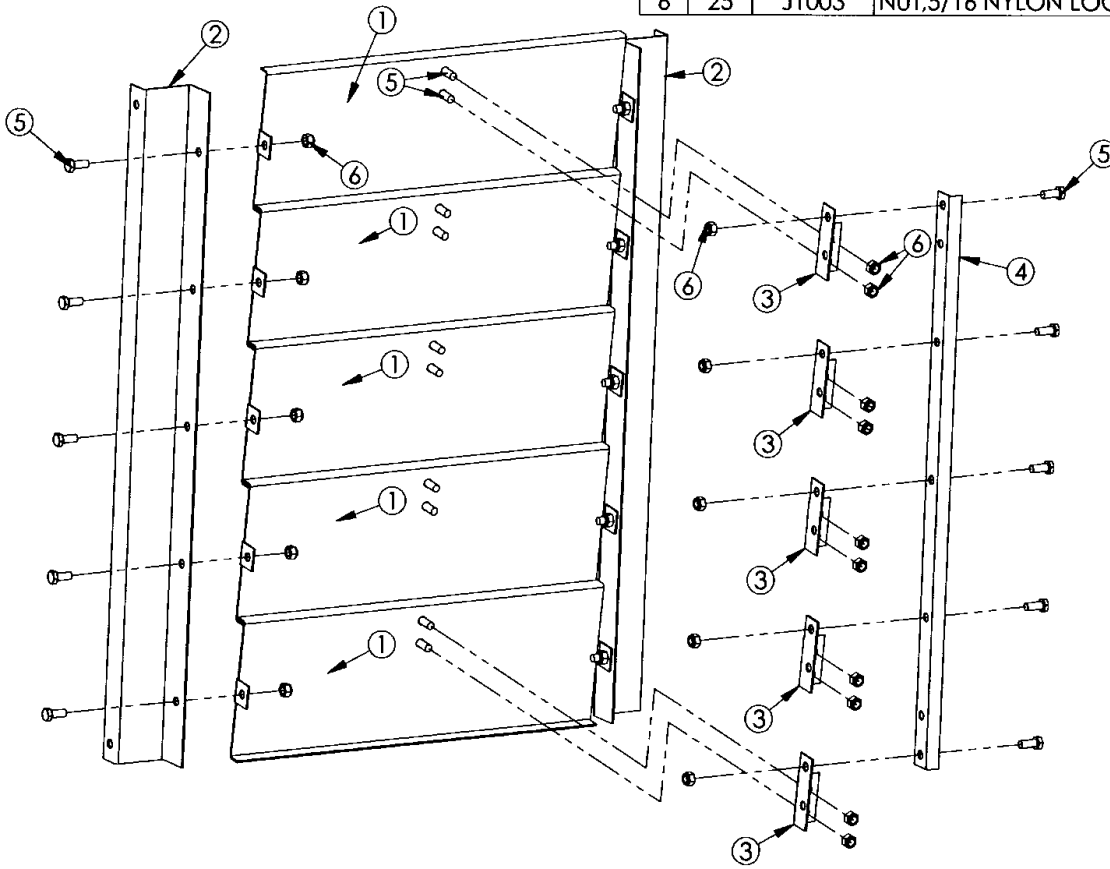
LOUVER DOOR ASSEMBLY

REF	QTY	PART #	DESCRIPTION
1	1	U10208	MAN DOOR PANEL, LOUVER
2	5	U10159	LOUVER, FREE AIR OPEN
3	5	U10161	TAB, LOUVER ADJUSTMENT
4	1	U10162	CONTROL LEVER, LOUVER ADJUSTMENT
5	25	J0520	SCREW, 5/16-18, 3/4"PLT
6	25	J1003	NUT, 5/16 NYLON LOCK
7	2	U10207	SIDE FRAME, LOUVER, DOOR
8	2	U10209	LOUVER SEAL, TOP & BOTTOM, DOOR



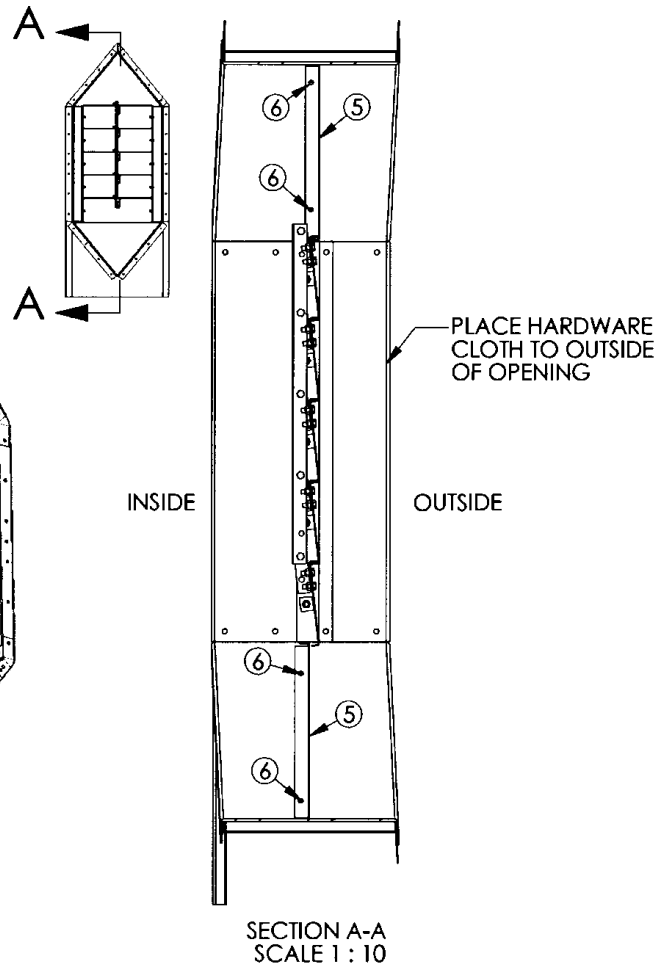
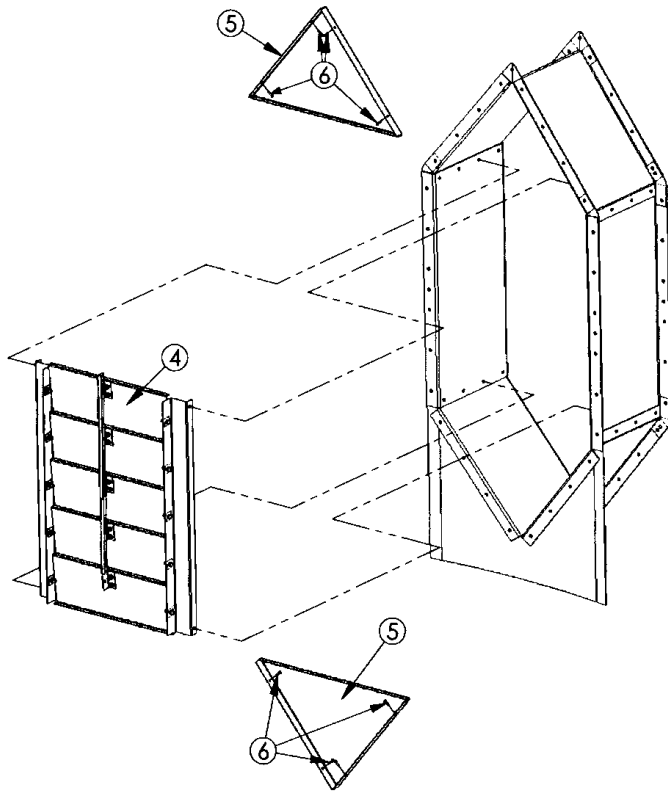
LOUVER ASSEMBLY FOR FREE AIR OPENING

REF	QTY.	PART NO.	DESCRIPTION
1	5	U10159	LOUVER, FREE AIR OPEN
2	2	U10160	SIDE FRAME, LOUVER
3	5	U10161	TAB, LOUVER ADJUSTMENT
4	1	U10162	CONTROL LEVER, LOUVER ADJUSTMENT
5	25	J0520	SCREW, 5/16-18, 3/4"PLT
6	25	J1003	NUT, 5/16 NYLON LOCK



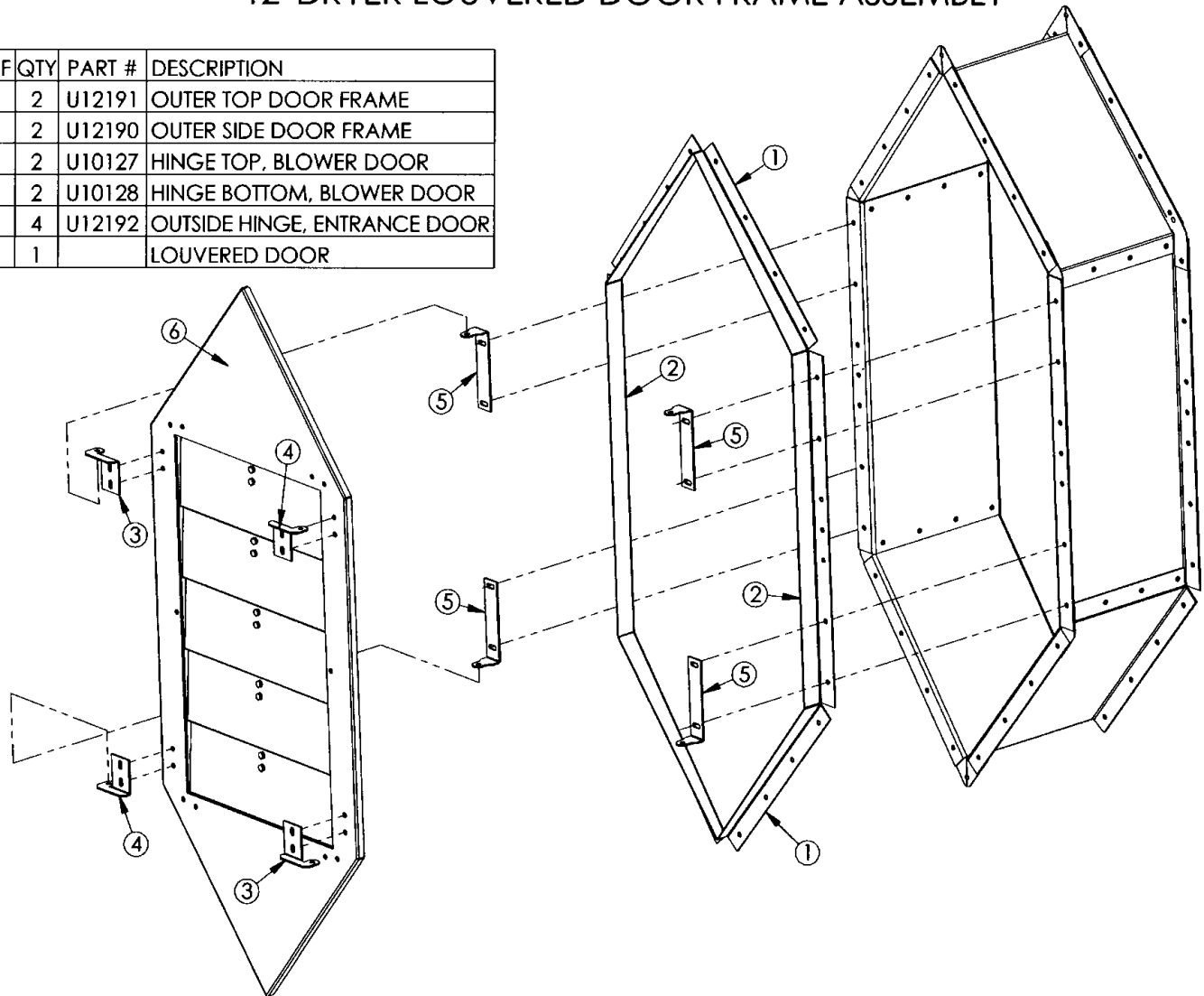
LOUVER PLACEMENT IN FREE AIR OPENING

REF	PART NO.	DESCRIPTION
4		LOUVER ASSEM
5	U10163	END PLATE , LOUVER
6	J04991	SCREW,1/4-20,3/4,PLT,SELFDRILL
7	U10232	FILLER 2, DOOR FRAME
8	U10231	FILLER 1, DOOR FRAME LARGE



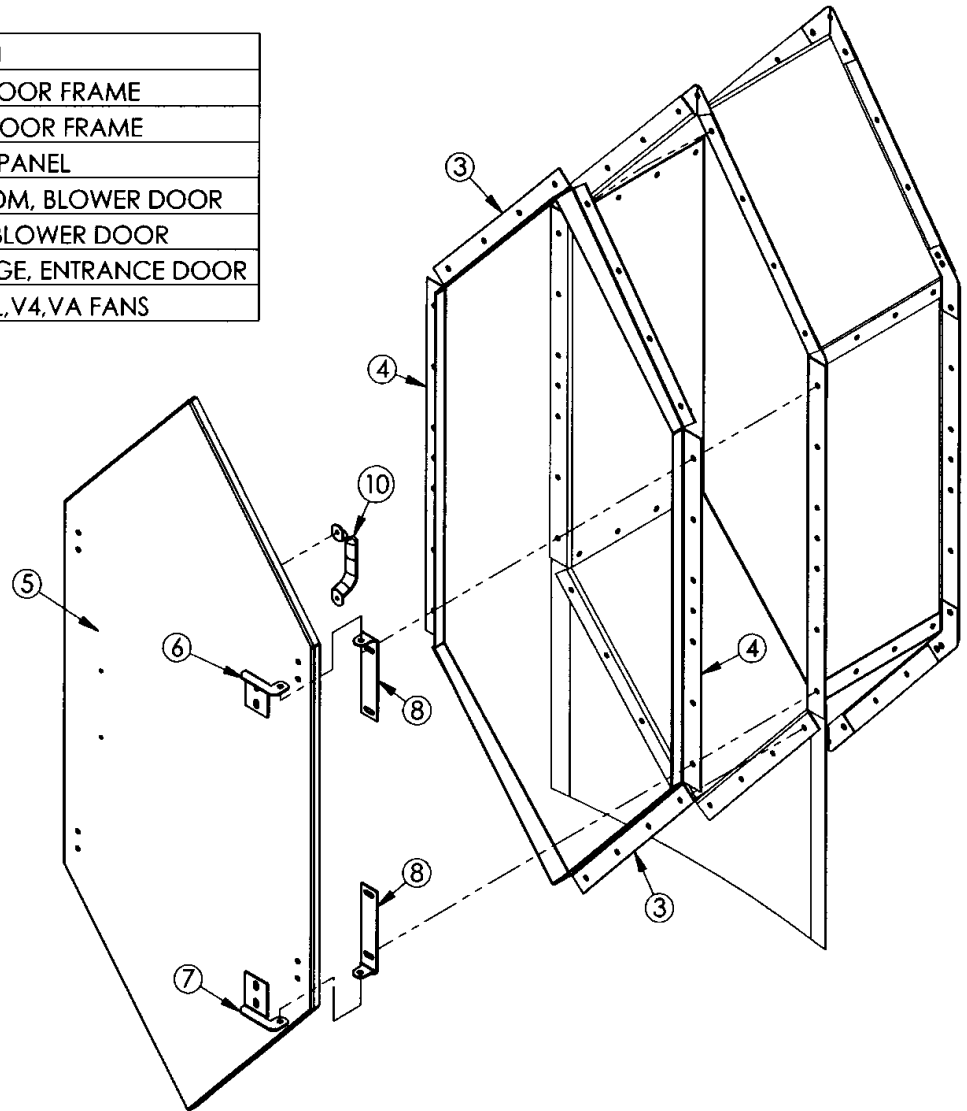
12' DRYER LOUVERED DOOR FRAME ASSEMBLY

REF	QTY	PART #	DESCRIPTION
1	2	U12191	OUTER TOP DOOR FRAME
2	2	U12190	OUTER SIDE DOOR FRAME
3	2	U10127	HINGE TOP, BLOWER DOOR
4	2	U10128	HINGE BOTTOM, BLOWER DOOR
5	4	U12192	OUTSIDE HINGE, ENTRANCE DOOR
6	1		LOUVERED DOOR

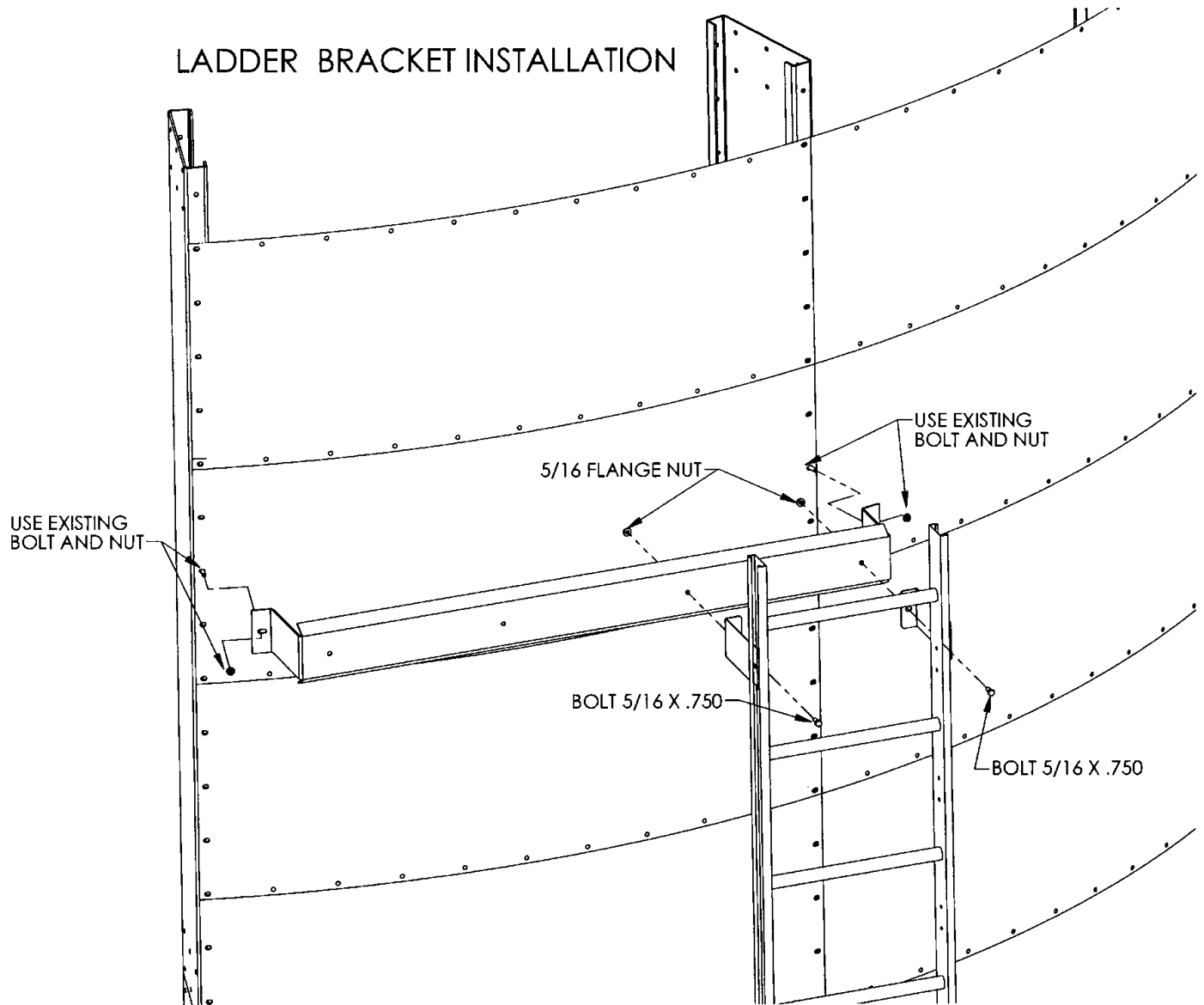


12' DRYER INNER DOOR ASSEMBLY

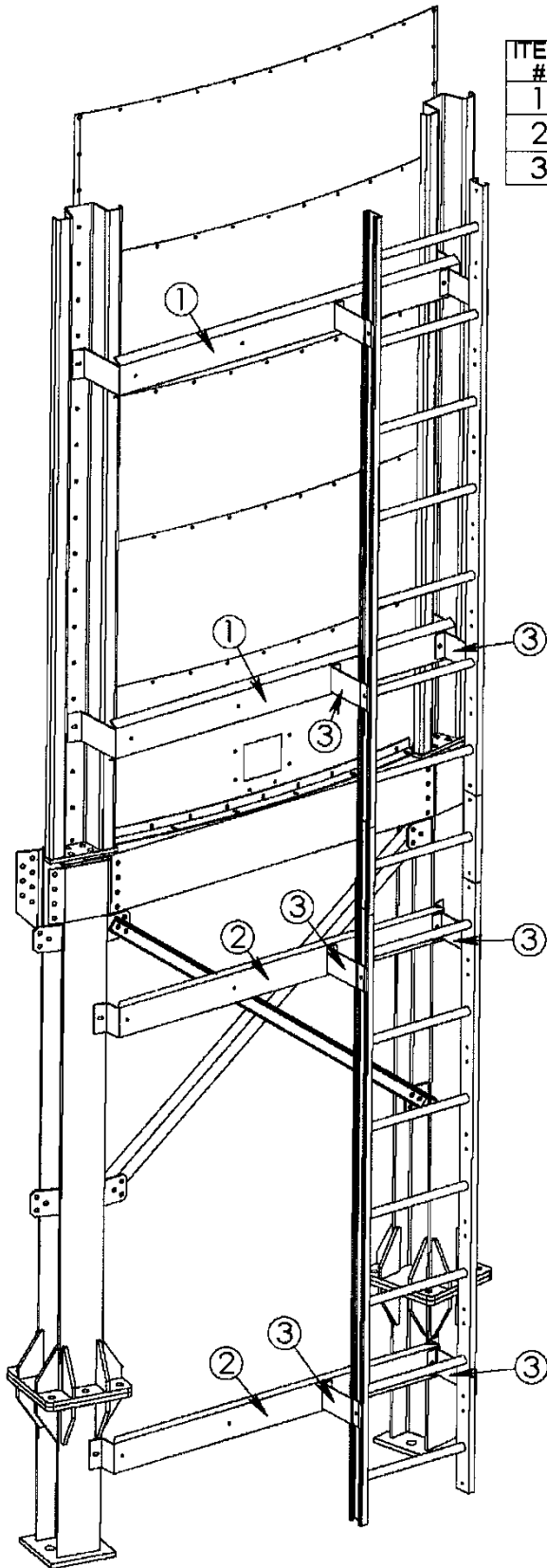
REF	QTY.	PART NO.	DESCRIPTION
3	2	U12193	INNER TOP DOOR FRAME
4	2	U18184	INNER SIDE DOOR FRAME
5	1	U10158	MAN DOOR PANEL
6	1	U10128	HINGE BOTTOM, BLOWER DOOR
7	1	U10127	HINGE TOP, BLOWER DOOR
8	2	U10150	OUTSIDE HINGE, ENTRANCE DOOR
10	1	J3232	HANDLE,PULL,V4,VA FANS



LADDER BRACKET INSTALLATION

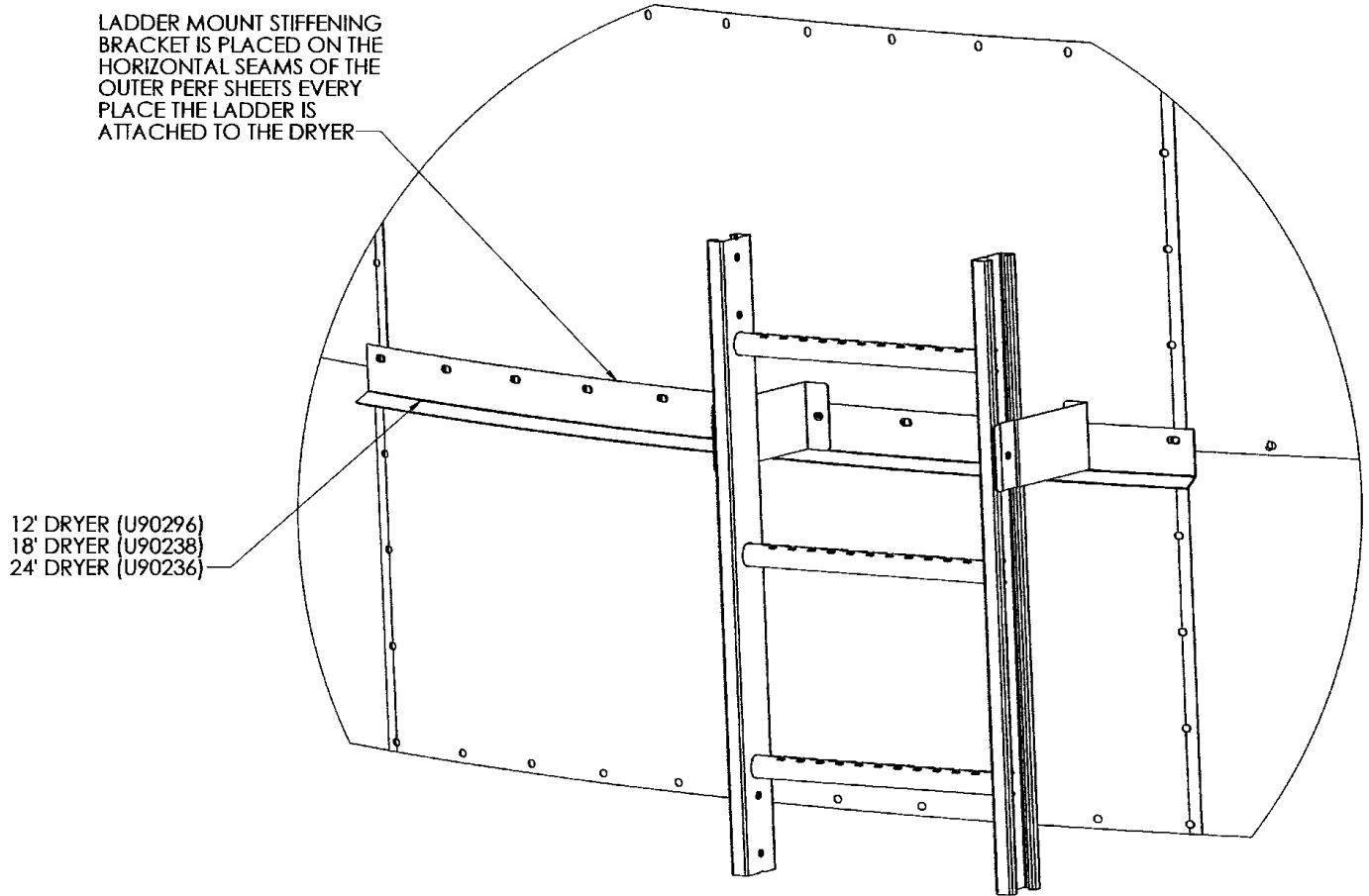


12', 18', 24' LADDER MOUNT TO FIRST PLATFORM



ITEM #	PART #	DESCRIPTION
1	U18815	LADDER STAND OFF BRACKET
2	U18816	LADDER STAND OFF BRACKET, BASE
3	U10166	OUTSIDE LADDER BKT

12', 18', 24' DRYER LADDER MOUNT



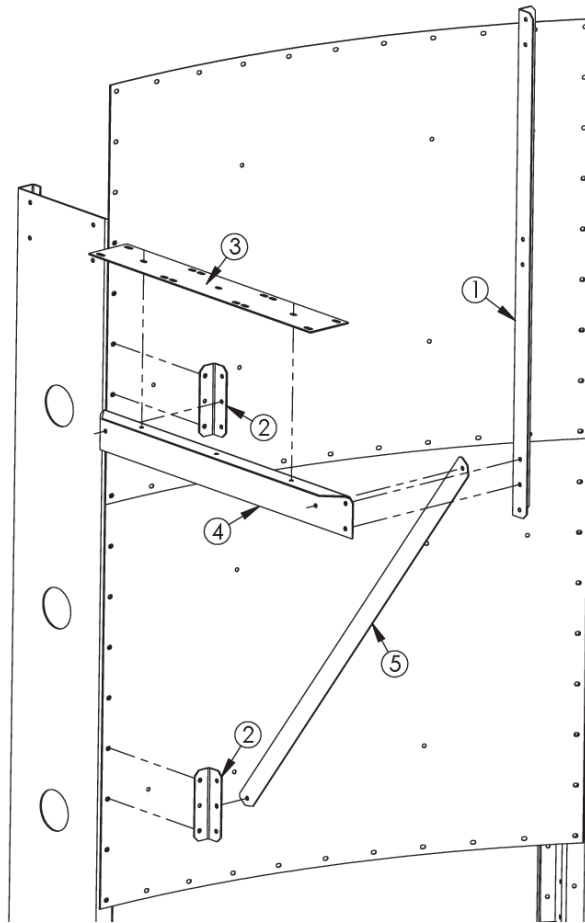
12' , 18' , 24' INNER WALKWAY ASSEMBLY STEP 1

18' & 24' DRYERS

ITEM NO.	PART NUMBER	DESCRIPTION
1	U90101	POST, DECK
2	U90108	WALL BRACKET 308
3	U90111	MOUNTING PLATE, BECKING
4	U90118	CROSS ANGLE, INSIDE
5	U90125	KNEE BRACE, INSIDE

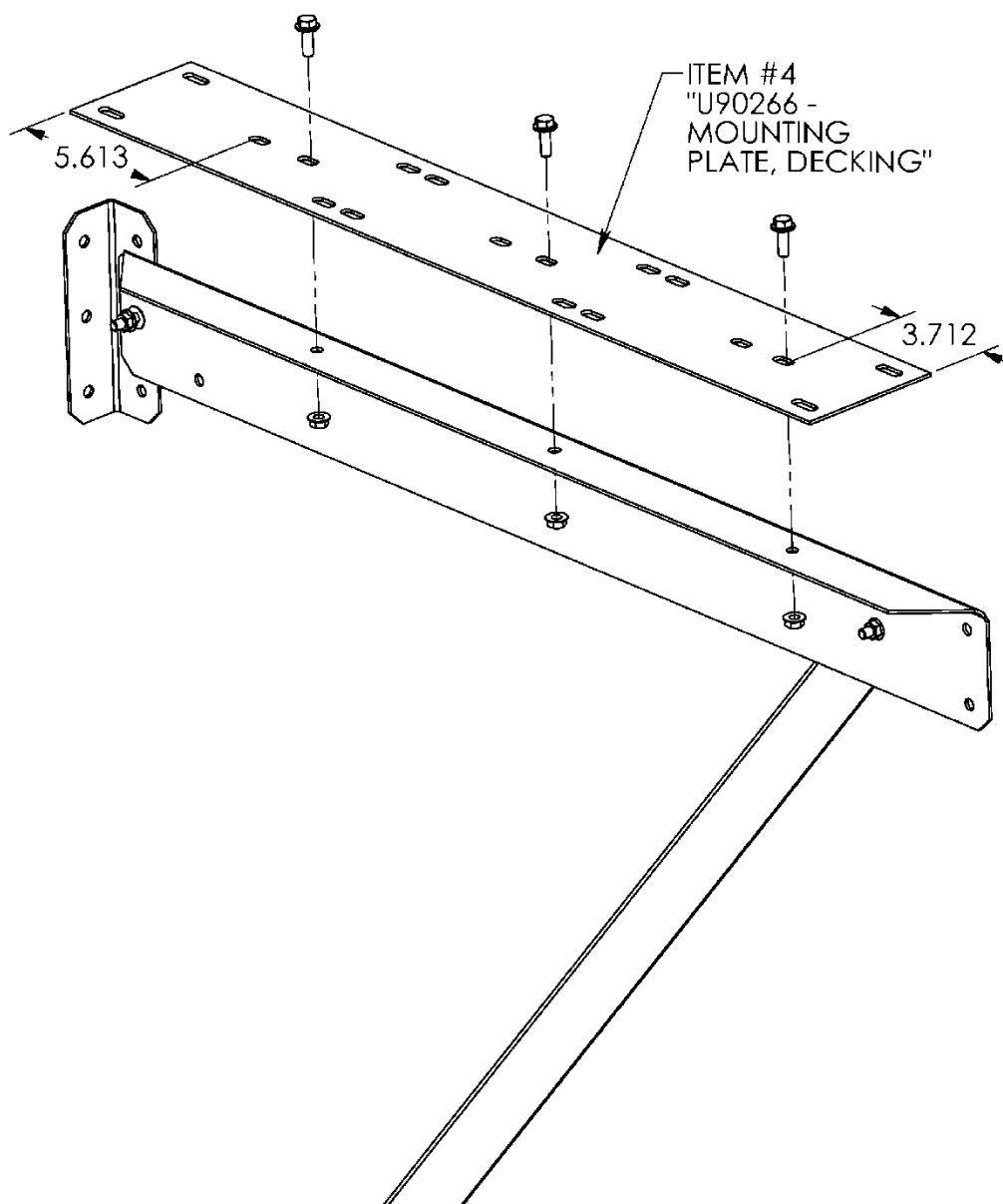
12' DRYERS

ITEM NO.	PART NUMBER	DESCRIPTION
1	U90101	POST, DECK
2	U90108	WALL BRACKET 308
3	U90266	MOUNTING PLATE, BECKING
4	U90109	CROSS ANGLE OUTSIDE
5	U90110	BRACE, OUTSIDE KNEE

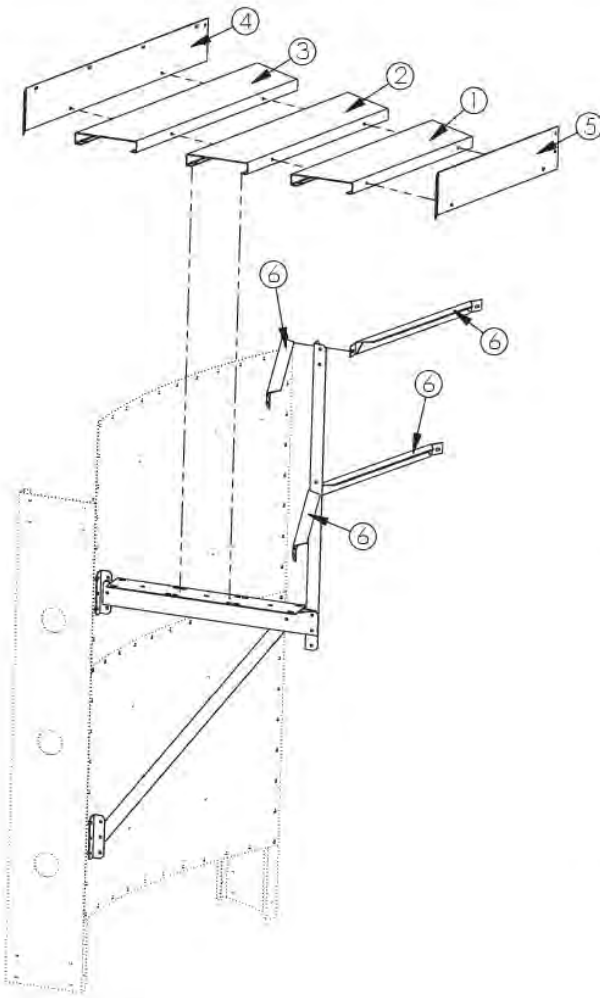


SWU0229
02/16/2022KGJ

12' DRYER INNER PLATFORM ASSMBLY



12',18' AND 24' DRYER INNER WALKWAY ASSEMBLY STEP 2



24' DRYER ASSEMBLY

ITEM NO.	PART NUMBER	DESCRIPTION
1	U90219	SHORT DECK, INSIDE
2	U90220	MIDD DECK, INSIDE
3	U90221	OUTER DECK, INSIDE
4	U90224	INNER KICKBOARD, INSIDE
5	U90223	OUTER KICKBOARD, INSIDE
6	U94005	HANDRAIL, 39.4", INSIDE, HEMMED

18' DRYER ASSEMBLY

ITEM NO.	PART NUMBER	DESCRIPTION
1	U90121	SHORT DECK, INSIDE
2	U90122	MIDD DECK, INSIDE
3	U90123	OUTER DECK, INSIDE
4	U90124	INNER KICKBOARD, INSIDE
5	U90120	OUTER KICKBOARD, INSIDE
6	U94002	HANDRAIL, 33.1", INSIDE, HEMMED

12' DRYER ASSEMBLY

ITEM NO.	PART NUMBER	DESCRIPTION
1	U90271	SHORT DECK, INSIDE
2	U90272	MIDD DECK, INSIDE
3	U90273	OUTER DECK, INSIDE
4	U90274	INNER KICKBOARD, INSIDE
5	U90275	OUTER KICKBOARD, INSIDE
6	U90276	HANDRAIL, INSIDE

SWU0207
05/20/2022 F/GJ

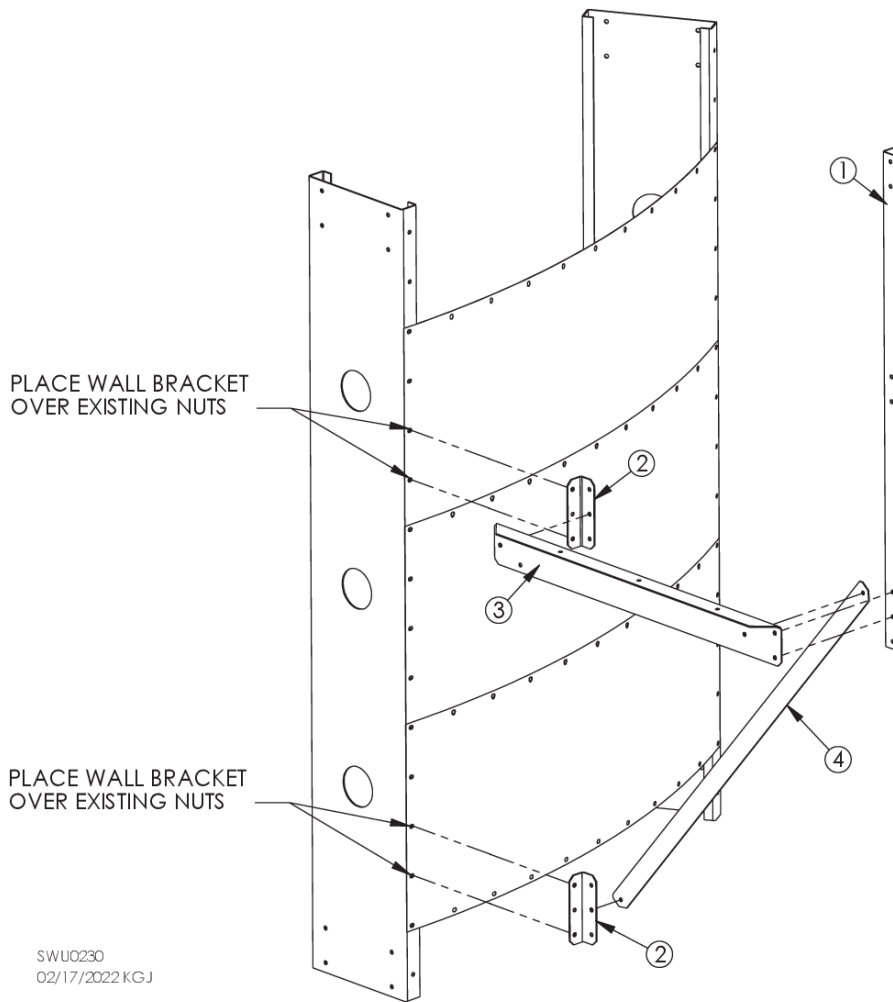
12' , 18' , 24' WALKWAY AND LADDER PLATFORM ASSEMBLY STEP 1

18' & 24' DRYERS

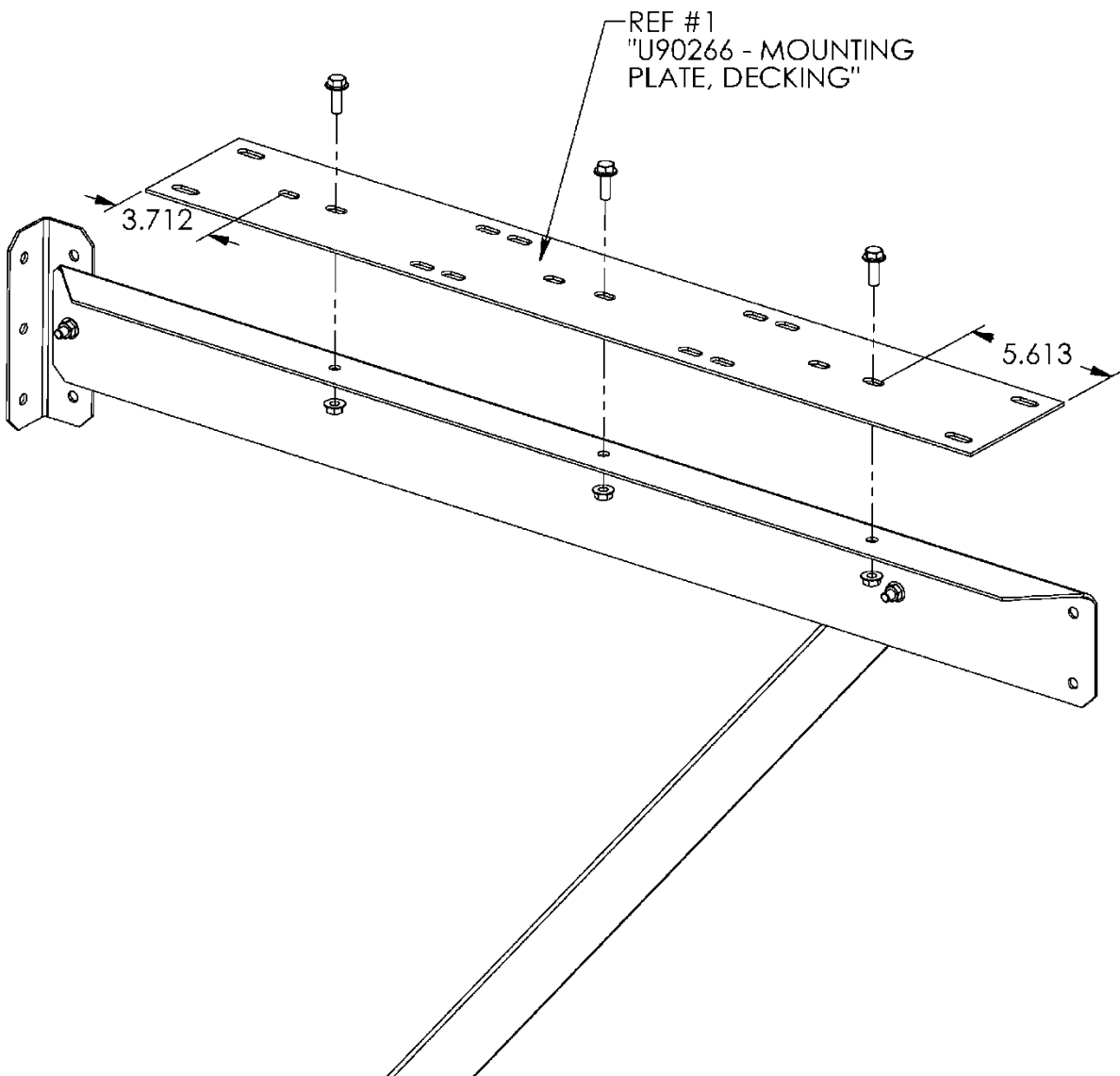
ITEM NO.	PART NUMBER	DESCRIPTION
1	U90101	POST, DECK
2	U90108	WALL BRACKET 308
3	U90109	CROSS ANGLE OUTSIDE
4	U90110	BRACE, OUTSIDE KNEE

12' DRYERS

ITEM NO.	PART NUMBER	DESCRIPTION
1	U90101	POST, DECK
2	U90108	WALL BRACKET 308
3	U90265	CROSS ANGLE OUTSIDE
4	U90110	BRACE, OUTSIDE KNEE



12' DRYER OUTSIDE PLATFORM ASSMBLY



12', 18', 24' DRYER OUTER WALKWAY ASSEMBLY STEP 2

24' DRYER WALKWAY

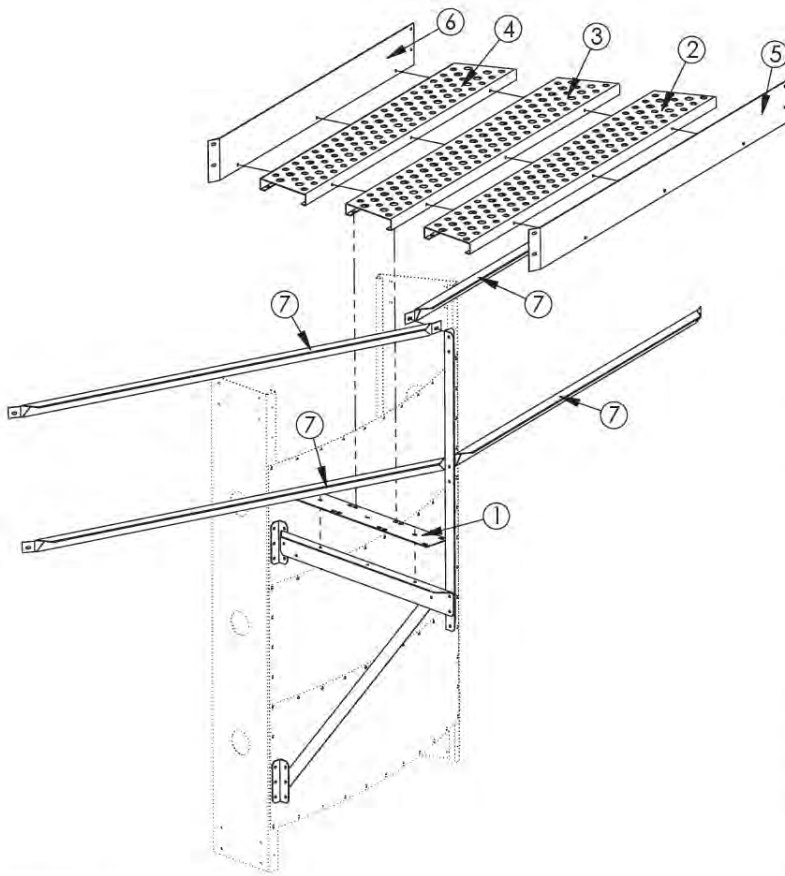
ITEM NO.	PART NUMBER	DESCRIPTION
1	U90111	MOUNTING PLATE, BECKING
2	U90204	OUTER DECK, OUTSIDE
3	U90205	MIDD DECK, OUTSIDE
4	U90206	INNER DECK, OUTSIDE
5	U90202	KICKBOARD, OUTER
6	U90203	KICKBOARD, INNER, OUTSIDE
7	U94004	HANDRAIL, 73.1", OUTER, HEMMED

18' DRYER WALKWAY

ITEM NO.	PART NUMBER	DESCRIPTION
1	U90111	MOUNTING PLATE, BECKING
2	U90104	OUTER DECK, OUTSIDE
3	U90105	MIDD DECK, OUTSIDE
4	U90106	INNER DECK, OUTSIDE
5	U90103	OUTER KICKBOARD, OUTSIDE
6	U90107	INNER KICKBOARD, OUTSIDE
7	U94001	HANDRAIL, 77.6", OUTER, HEMMED

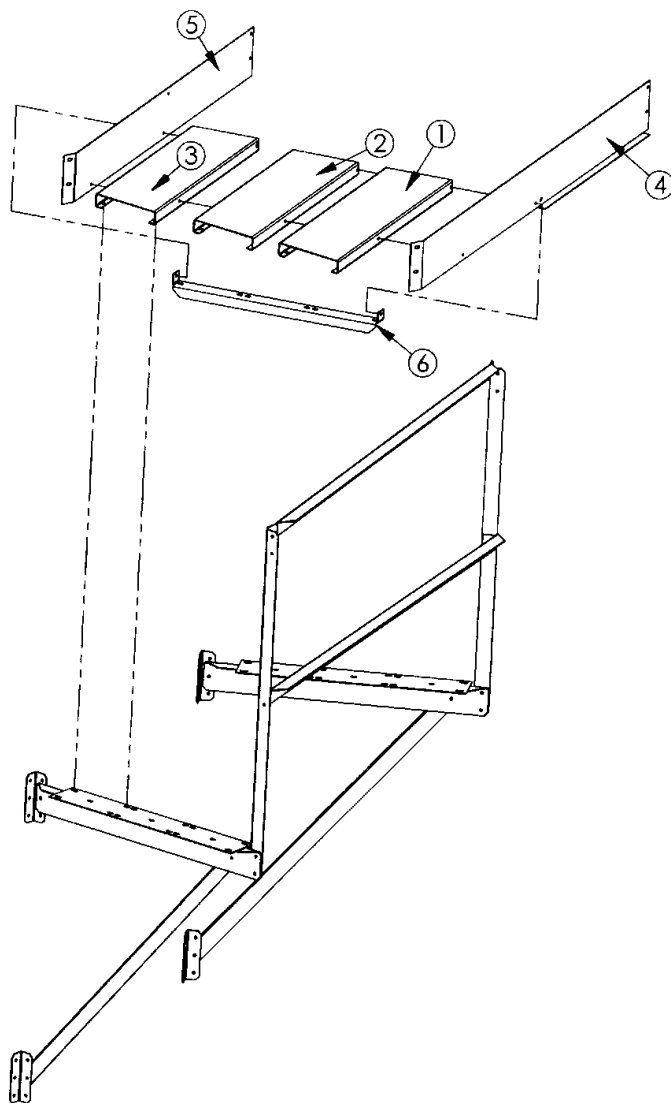
12' DRYER WALKWAY

ITEM NO.	PART NUMBER	DESCRIPTION
1	U90266	MOUNTING PLATE, BECKING
2	U90264	OUTER DECK, OUTSIDE
3	U90263	MIDD DECK, OUTSIDE
4	U90262	INNER DECK, OUTSIDE
5	U90267	OUTER KICKBOARD, OUTSIDE
6	U90268	INNER KICKBOARD, OUTSIDE
7	U94013	HANDRAIL, 39.4", SIDE, HEMMED



SWU0208
02/17/2022 K.G.J

12' , 18' , 24' DRYER WALKWAY LADDER SECTION ASSEMBLY STEP 1



12' LADDER SECTION ASSEMBLY

REF	PART #	DESCRIPTION
1	U90283	LONG DECK, FIXED LADDER
2	U90282	MID DECK, FIXED LADDER
3	U90281	INNER DECK, FIXED LADDER
4	U90280	LADDER SECT. OUTER KICKBOARD, OUTSIDE
5	U90268	INNER KICKBOARD, OUTSIDE
6	U90127	DECK SUPPORT ANGLE, OUT-LADDER

18' LADDER SECTION ASSEMBLY

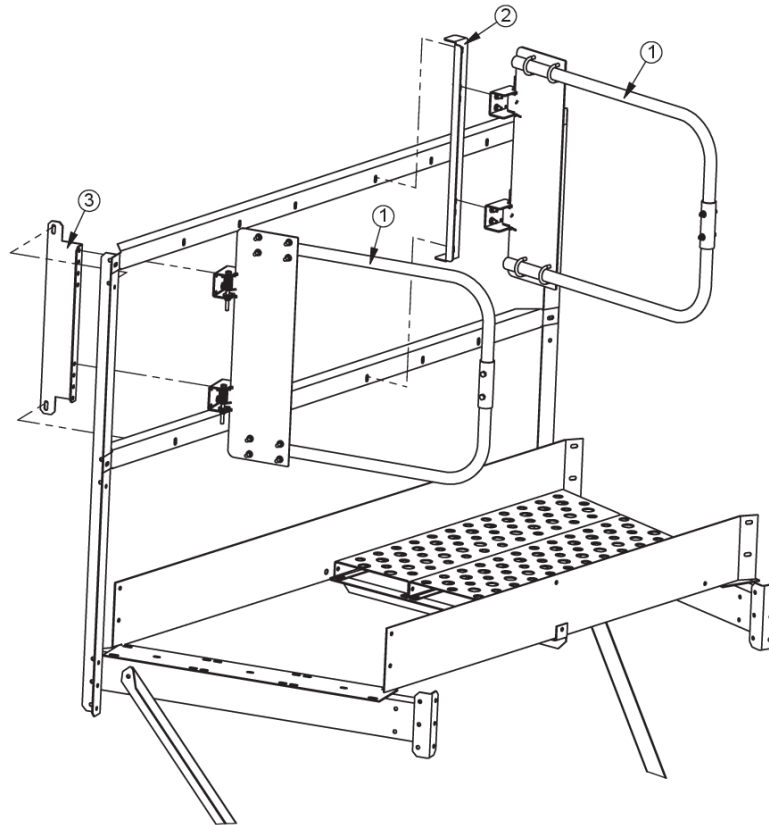
REF	PART NO.	DESCRIPTION
1	U90113	LONG DECK, FIXED LADDER
2	U90114	MID DECK, FIXED LADDER
3	U90115	INNER DECK, FIXED LADDER
4	U90112	OUTER KICKBOARD, LADDER OUTSIDE
5	U90119	INNER KICKBOARD, OUT-LADDER
6	U90127	DECK SUPPORT ANGLE, OUT-LADDER

24' LADDER SECTION ASSEMBLY

REF	PART #	DESCRIPTION
1	U90208	LONG DECK, FIXED LADDER
2	U90209	MID DECK, FIXED LADDER
3	U90210	INNER DECK, FIXED LADDER
4	U90213	OUTER KICKBOARD, LADDER OUTSIDE
5	U90214	INNER KICKBOARD, OUT-LADDER
6	U90127	DECK SUPPORT ANGLE, OUT-LADDER

12' , 18' , 24' DRYER WALKWAY LADDER SECTION SAFETY GATE PLACEMENT

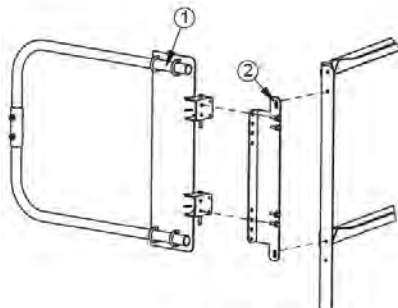
ITEM NO.	PART NUMBER	QTY.	DESCRIPTION
1	BSG0010	2	GATE, PLATFORM, BIN LADDER
2	U90340	1	MOUNT, GATE, MID RAILING
3	U90335	1	MOUNTING BRACKET, GATE



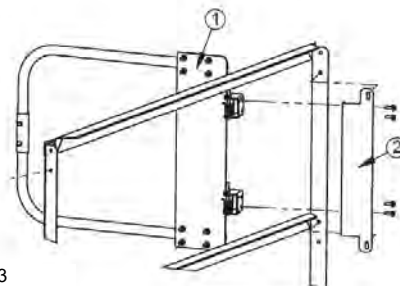
SWU0194
07/28/2021 KGJ

SAFETY GATE INSTALLATION ON PLATFORMS AND WALK DECKS

ITEM NO.	PART NUMBER	DESCRIPTION
1	BSG0010	GATE, PLATFORM, BIN LADDER
2	U90335	MOUNTING BRACKET, GATE



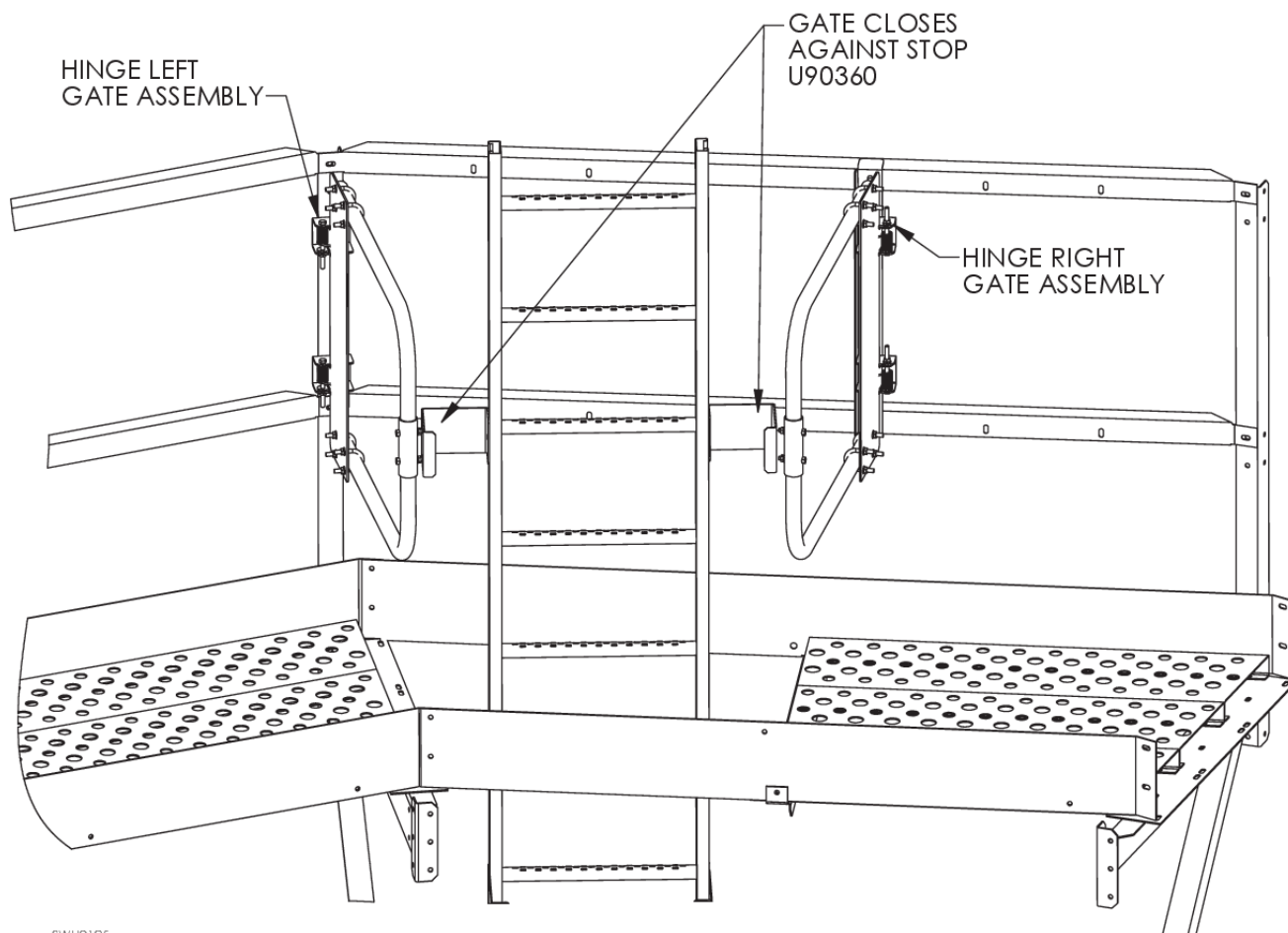
HINGED LEFT



HINGED RIGHT

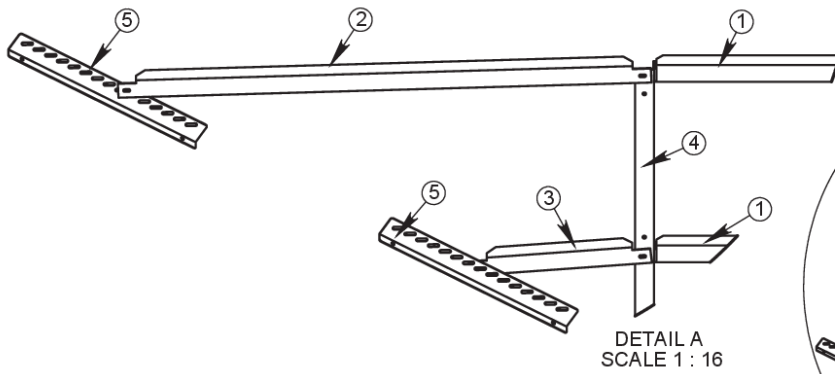
SWU0193
07/28/2021 KGJ

12' , 18' , 24' DRYER WALKWAY LADDER SECTION ASSEMBLY STEP 2 SAFETY GATE PLACEMENT



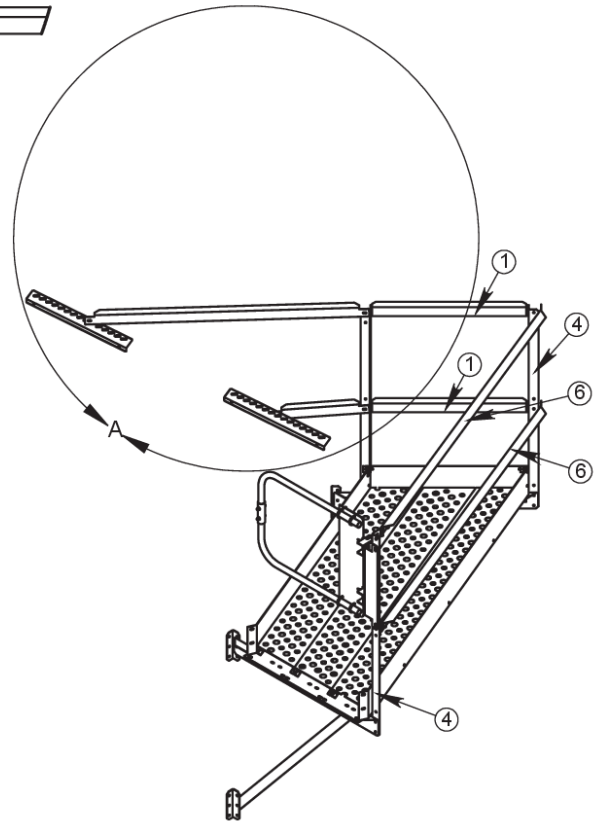
SWU0195
07/27/2021 KGJ

12' EAVE PLATFORM



ITEM NO.	PART NUMBER	DESCRIPTION
1	U90233	END HANDRAIL, PLATFORM
2	U90291	BRACE, ROOF TO PLATFORM, 58.5"
3	U90292	BRACE, ROOF TO PLATFORM, 20"
4	U90101	POST, DECK
5	U90290	BRACKET, ROOF, BRACE
6	U94012	HANDRAIL, 88.6", OUTER, HEMMED

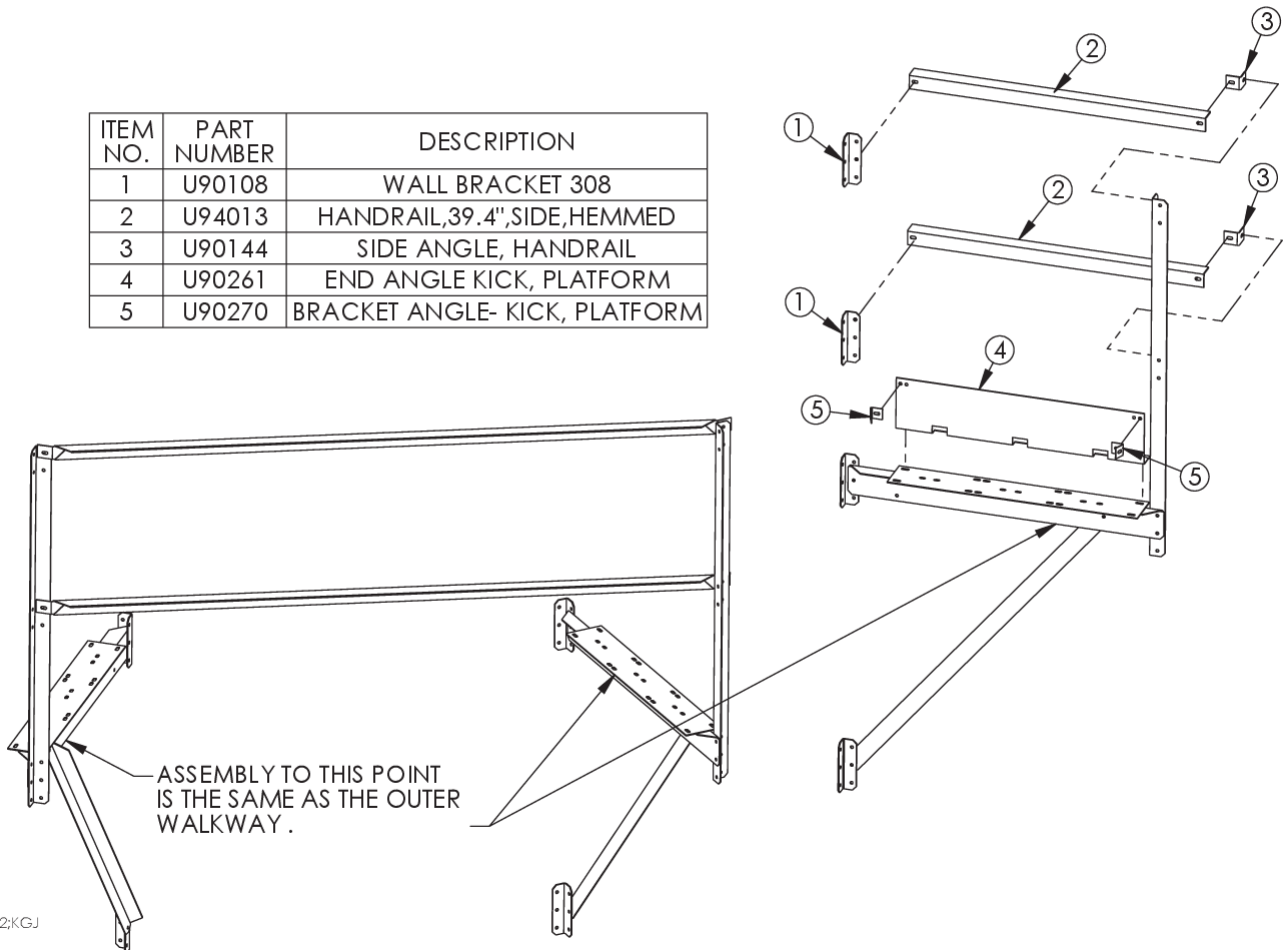
SWU0231
02/17/2022;KGJ



12' LADDER PLATFORM ASSEMBLY STEP 1

NOTE: DECKING IS INSTALLED THE SAME AS OUTER WALKWAY

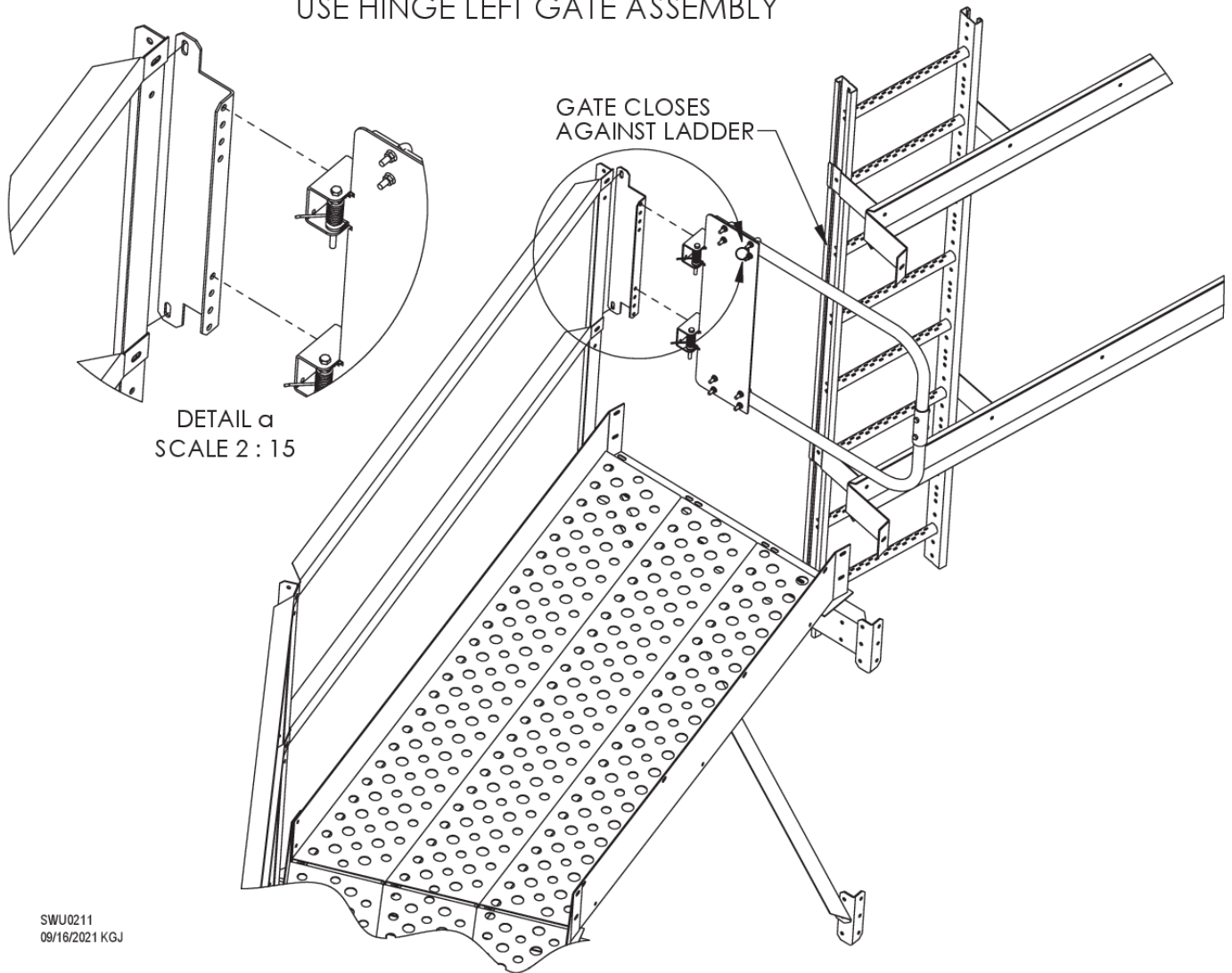
ITEM NO.	PART NUMBER	DESCRIPTION
1	U90108	WALL BRACKET 308
2	U94013	HANDRAIL, 39.4", SIDE, HEMMED
3	U90144	SIDE ANGLE, HANDRAIL
4	U90261	END ANGLE KICK, PLATFORM
5	U90270	BRACKET ANGLE- KICK, PLATFORM



SWU0232
02/17/2022;K.G.J

SAFETY GATE INSTALLATION ON LADDER PLATFORMS AND WALK DECKS

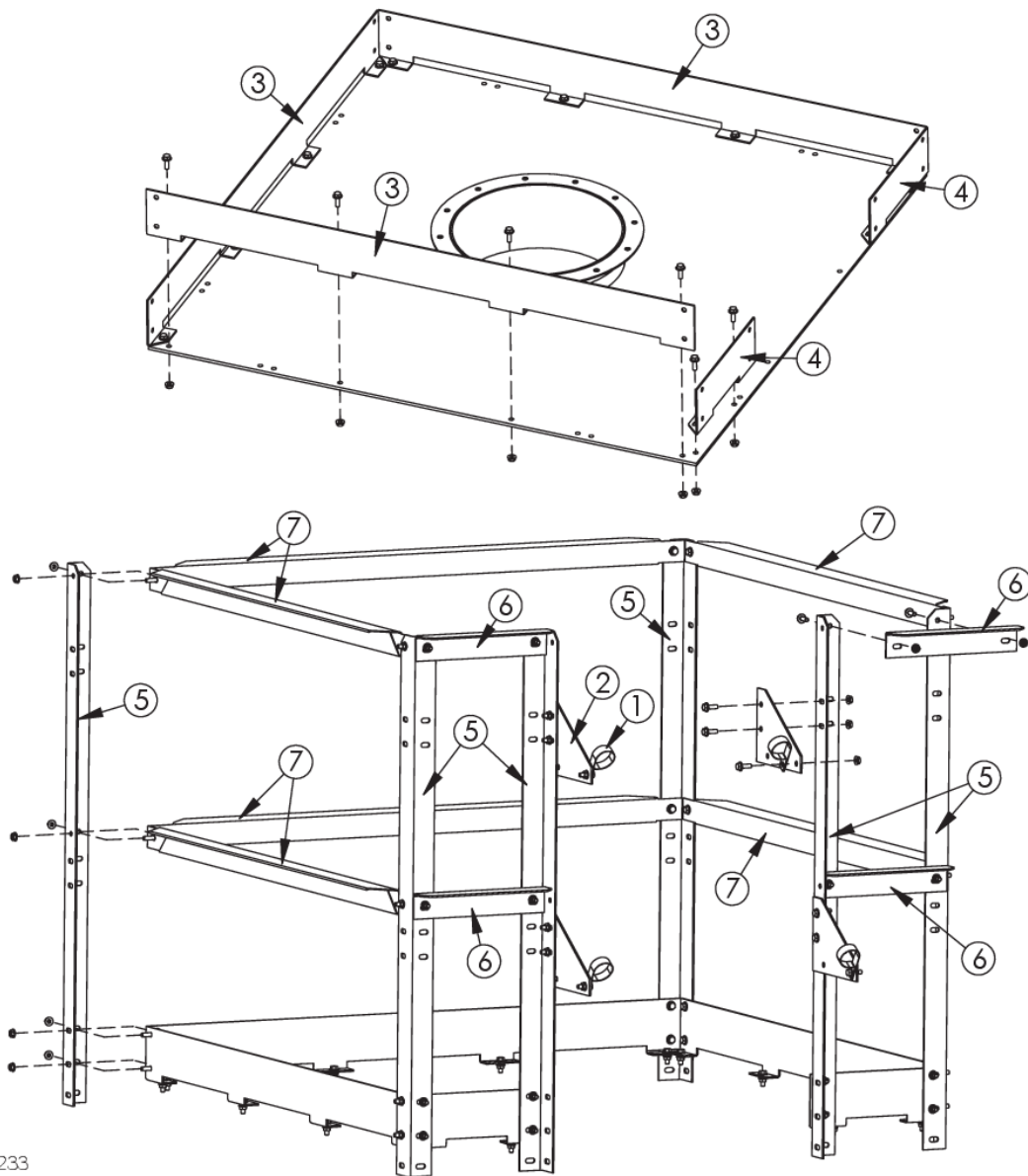
USE HINGE LEFT GATE ASSEMBLY



SWU0211
09/18/2021 KGJ

TOWER DRYER PEAK RAILING ASSEMBLY

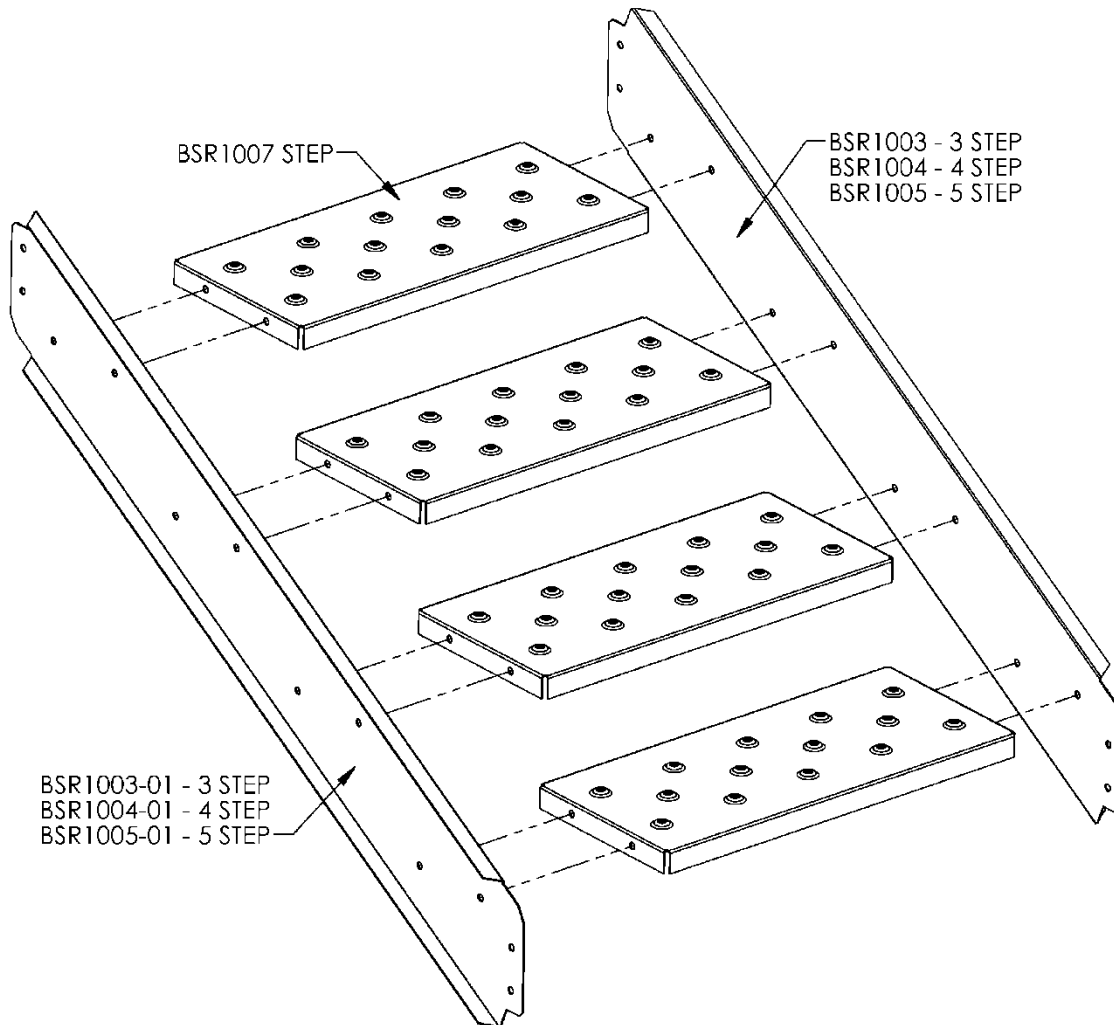
ITEM #	PART #	QTY.	DESCRIPTION
1	J6580	4	CLAMP, PIPE, 1.5, 8863T42
2	BSR1019	4	BRKT, GUARDRAIL, ROOF
3	U10223	3	TOE KICK, LONG, LID
4	U10224	2	TOE KICK, SHORT, LID
5	U10226	6	POST, PEAK RAILING
6	U10228	4	HANDRAIL, SHORT
7	U94000	6	HANDRAIL, 48", HEMMED, PEAK
8	J0537	68	SCREW, 5/16-18, 1.00, PLT, G5, HHWZ
9	J1110	68	NUT, WHIZ, 5/16-18



SWU0233
02/18/2022 KGJ

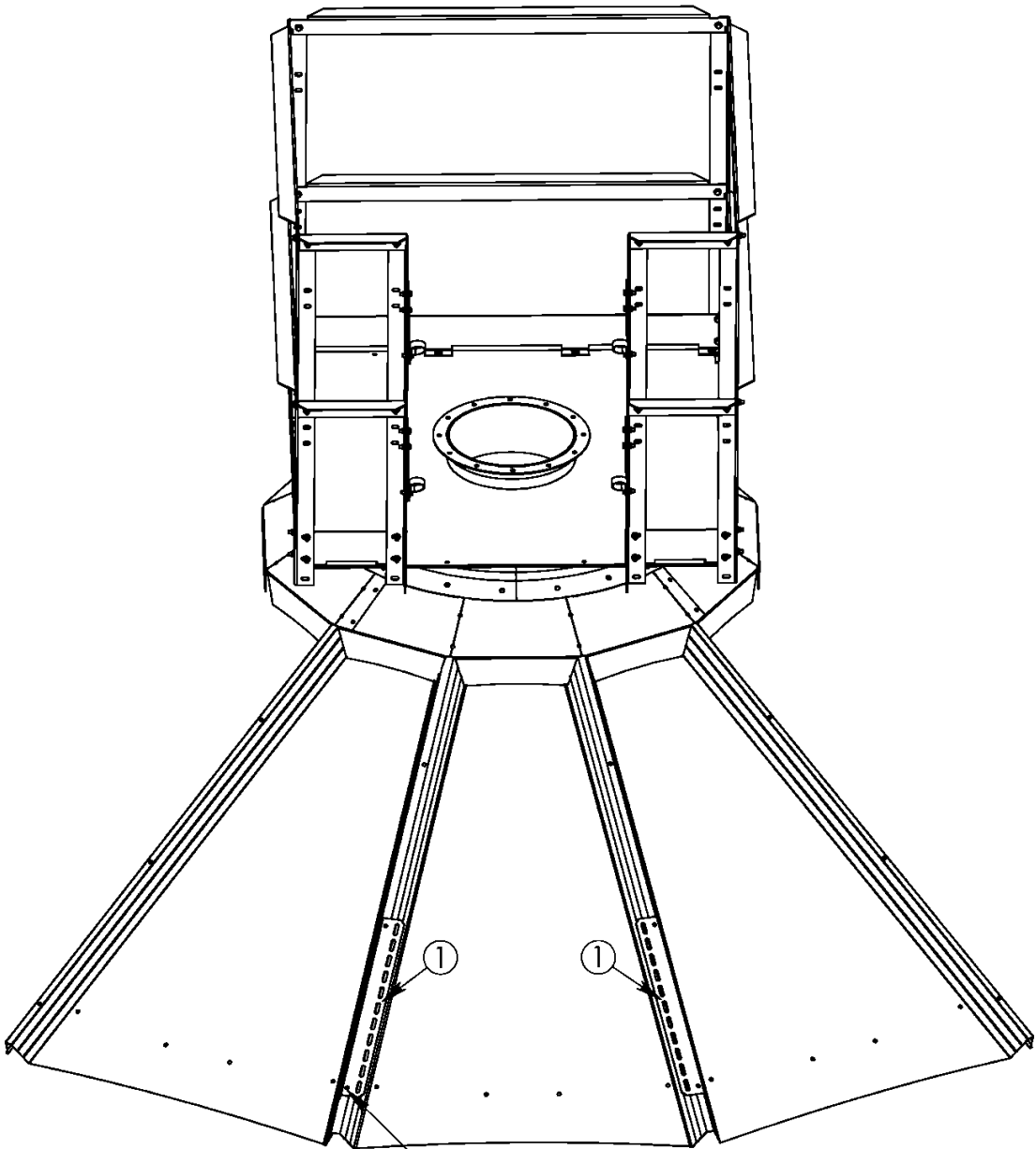
STAIR ASSEMBLY FOR TOWER DRYERS

USE 3/8" BOLTS AND NUTS



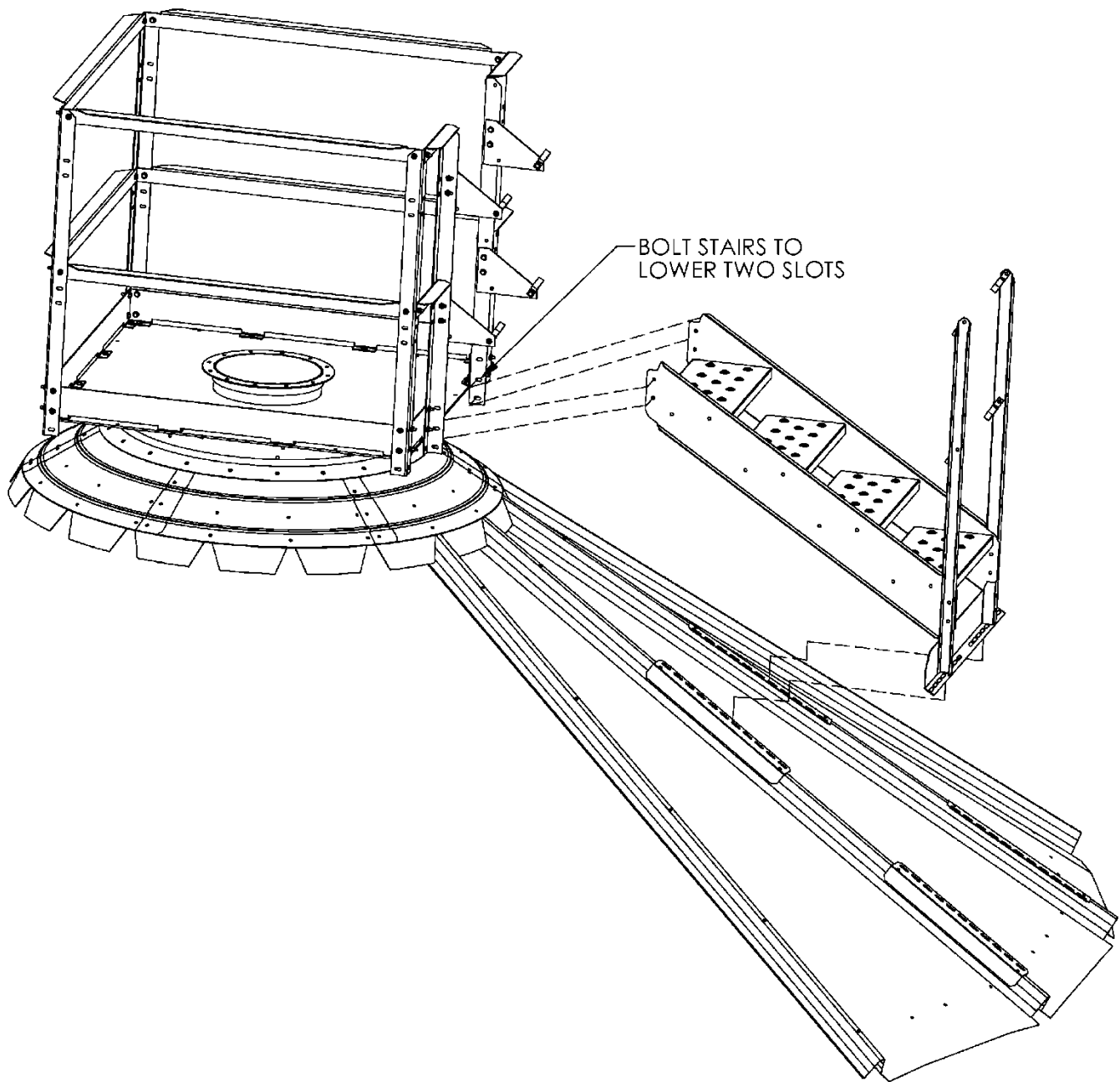
12' DRYER ROOF STAIRS BRACKET PLACEMENT

ITEM #	PART #	QTY.	DESCRIPTION
1	BSR1000	2	BRKT, SPRT, RISER, STAIR, ROOF (20.5625)

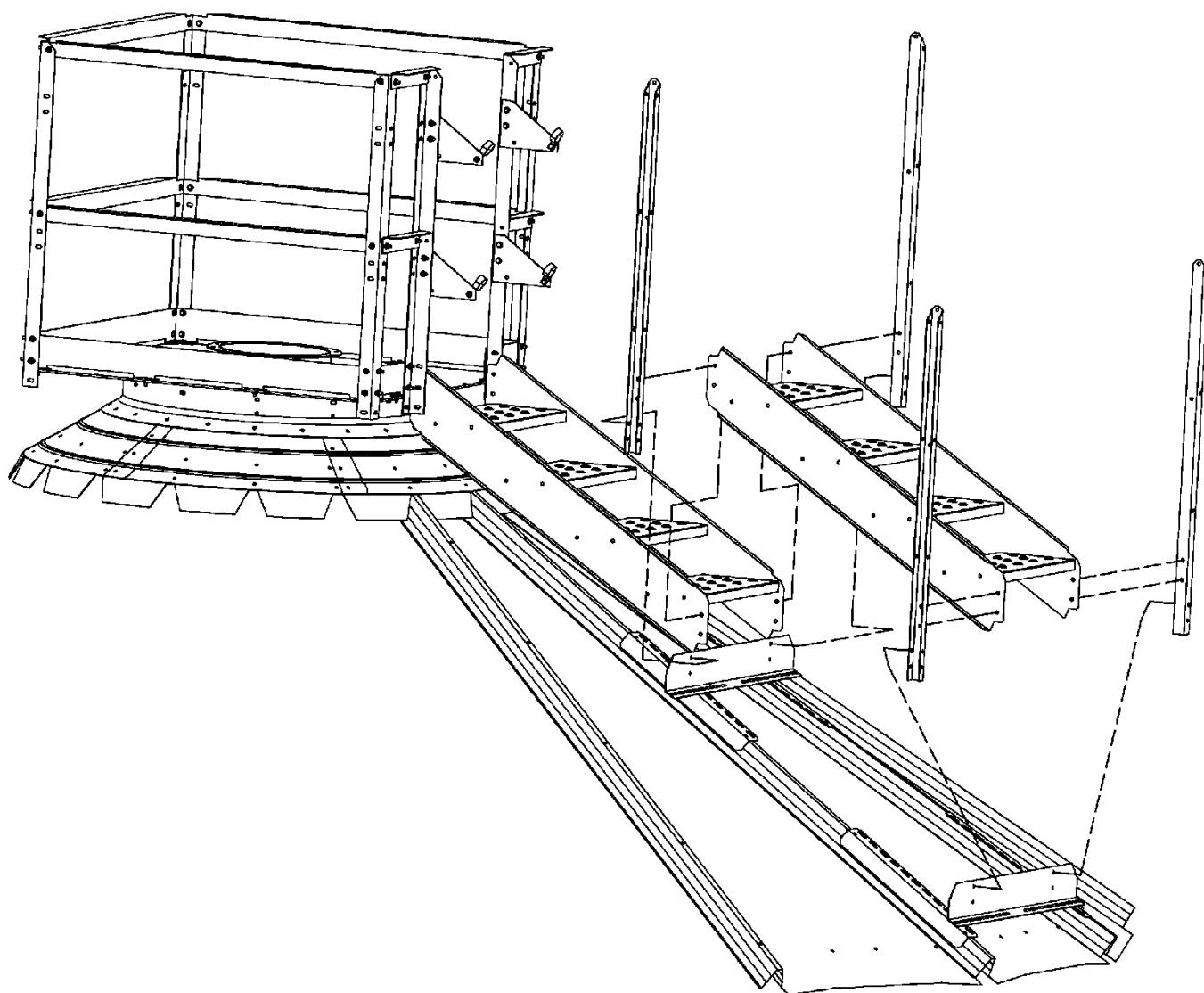


START AT FIRST HOLE IN RIB

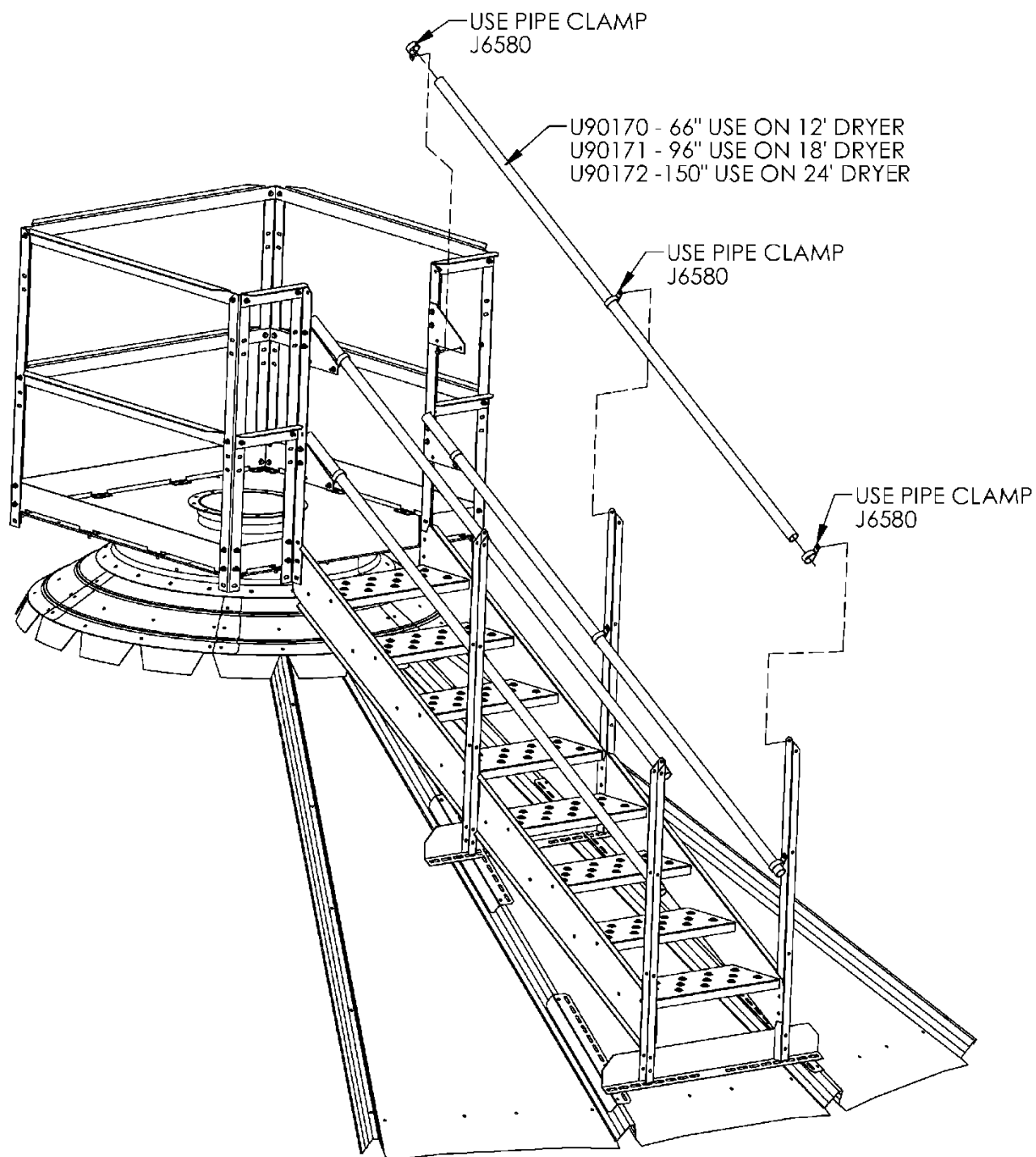
MOUNTING STAIRS TO PEAK RAILING AND DRYER ROOF



STAIR ASSEMBLY FOR TOWER DRYERS

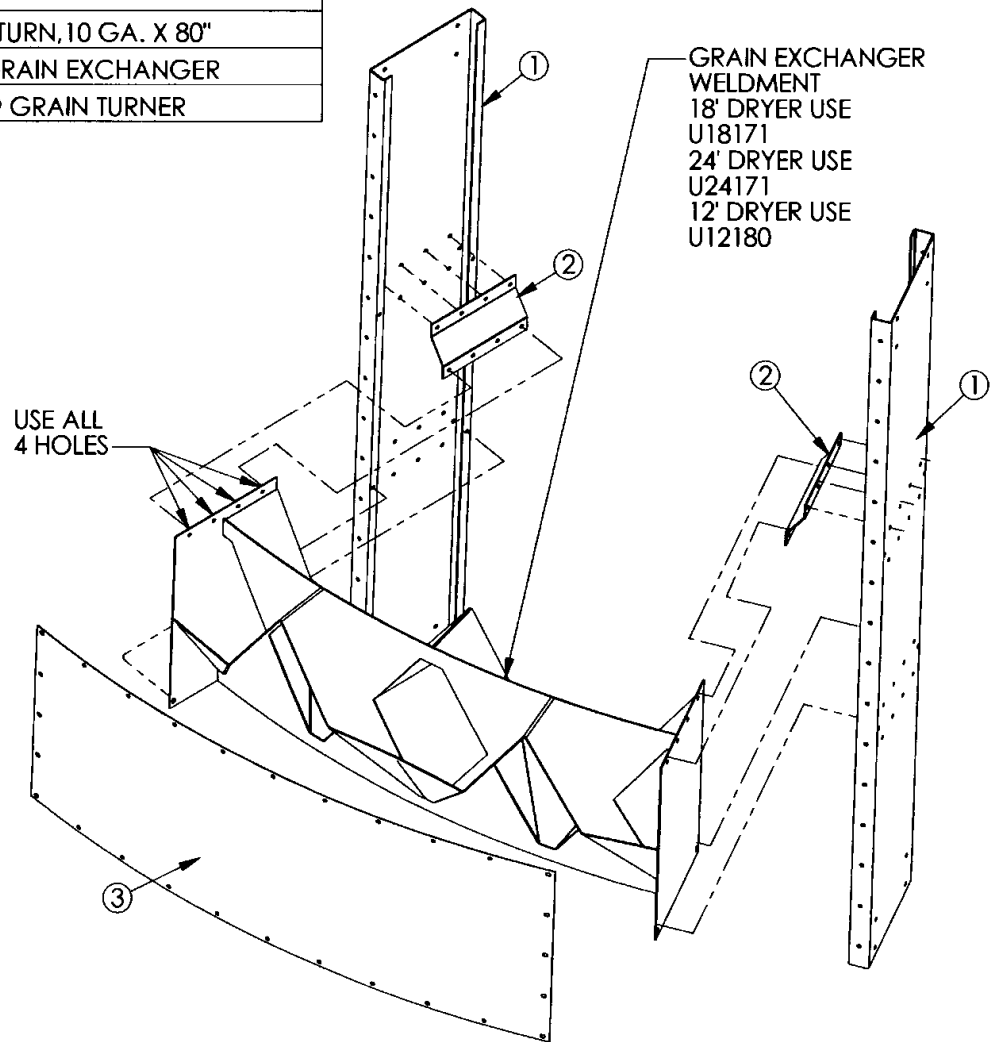


HANDRAIL ASSEMBLY ON TOWER DRYER ROOF STAIRS



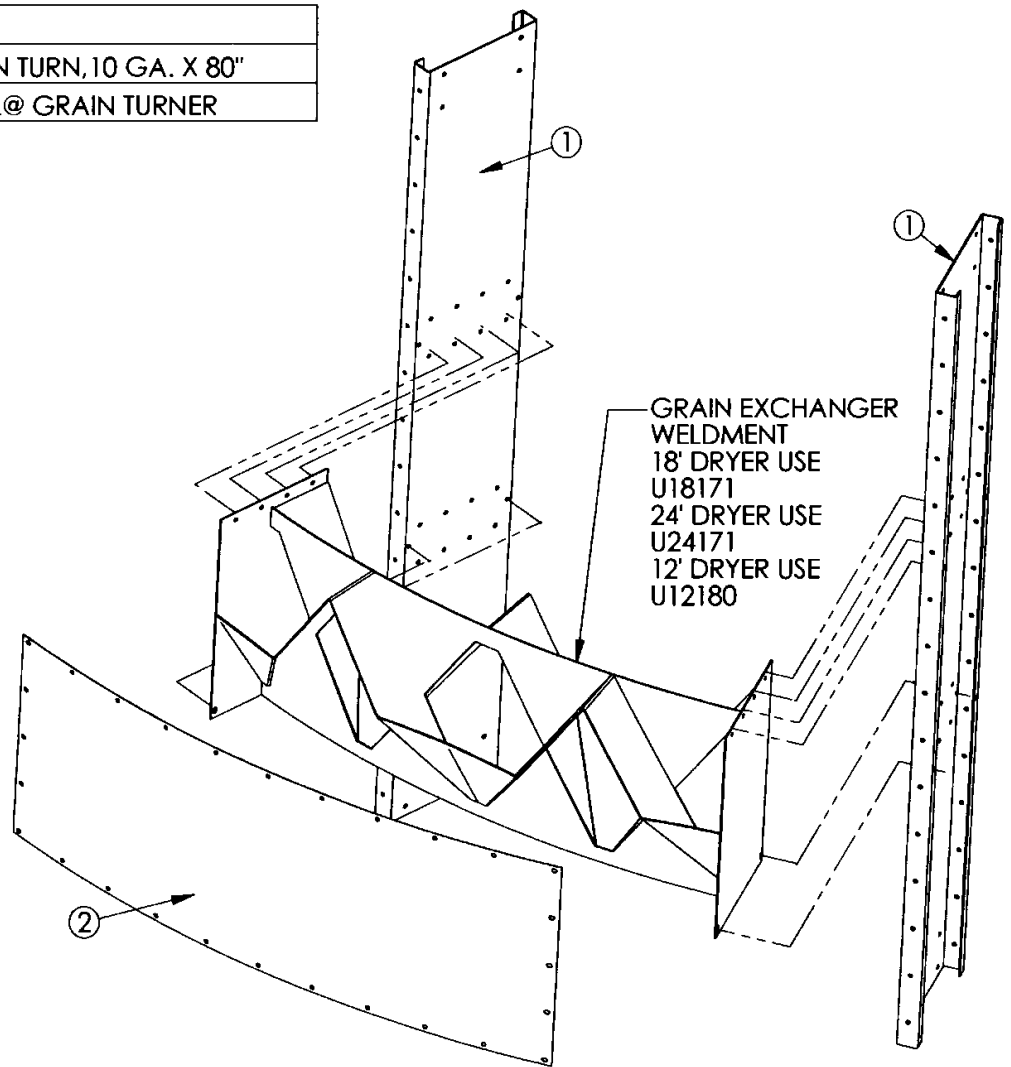
12', 18' & 24' DRYER GRAIN EXCHANGER ASSEMBLY

REF	PART #	DESCRIPTION
1	U10206	COLUMN, GRAIN TURN, 10 GA. X 80"
2	U18176	UPPER BRACKET GRAIN EXCHANGER
3	U10164	BACKING PANEL@ GRAIN TURNER



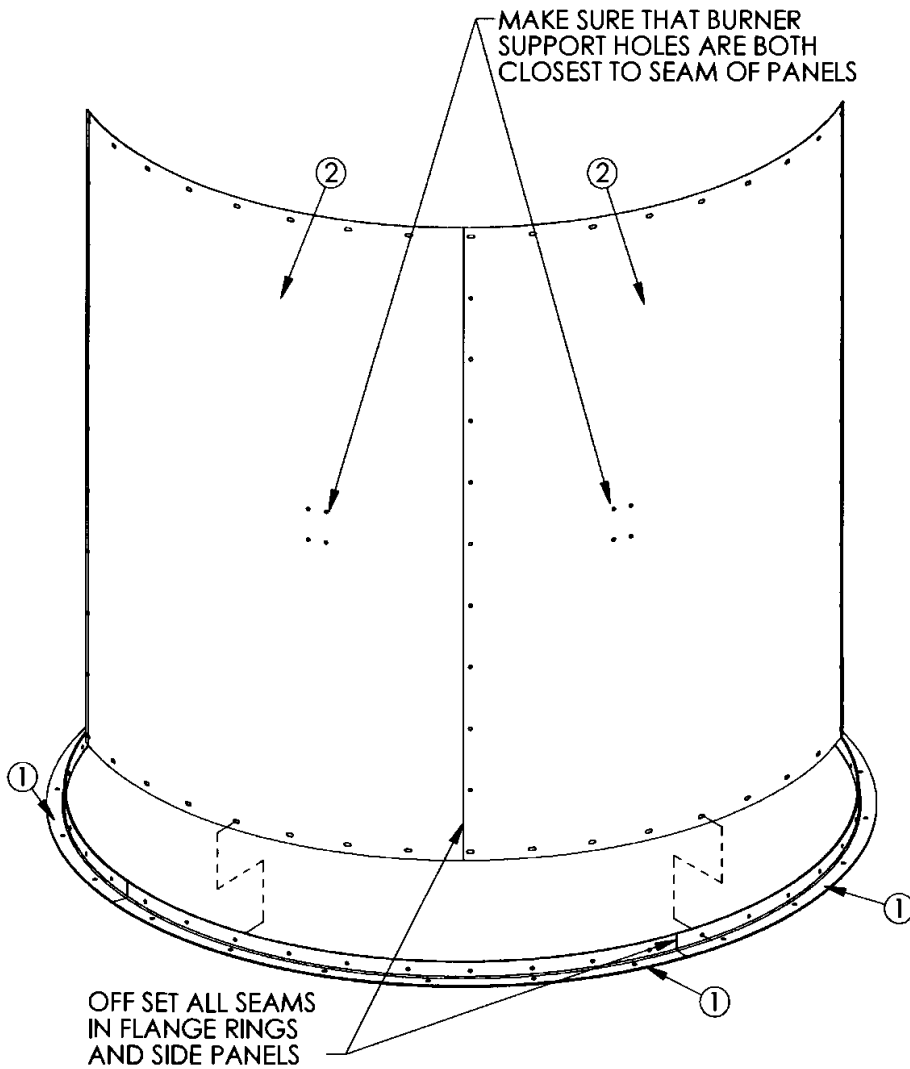
12', 18' & 24' DRYER GRAIN EXCHANGER ASSEMBLY

REF	PART #	DESCRIPTION
1	U10206	COLUMN, GRAIN TURN, 10 GA. X 80"
2	U10164	BACKING PANEL@ GRAIN TURNER



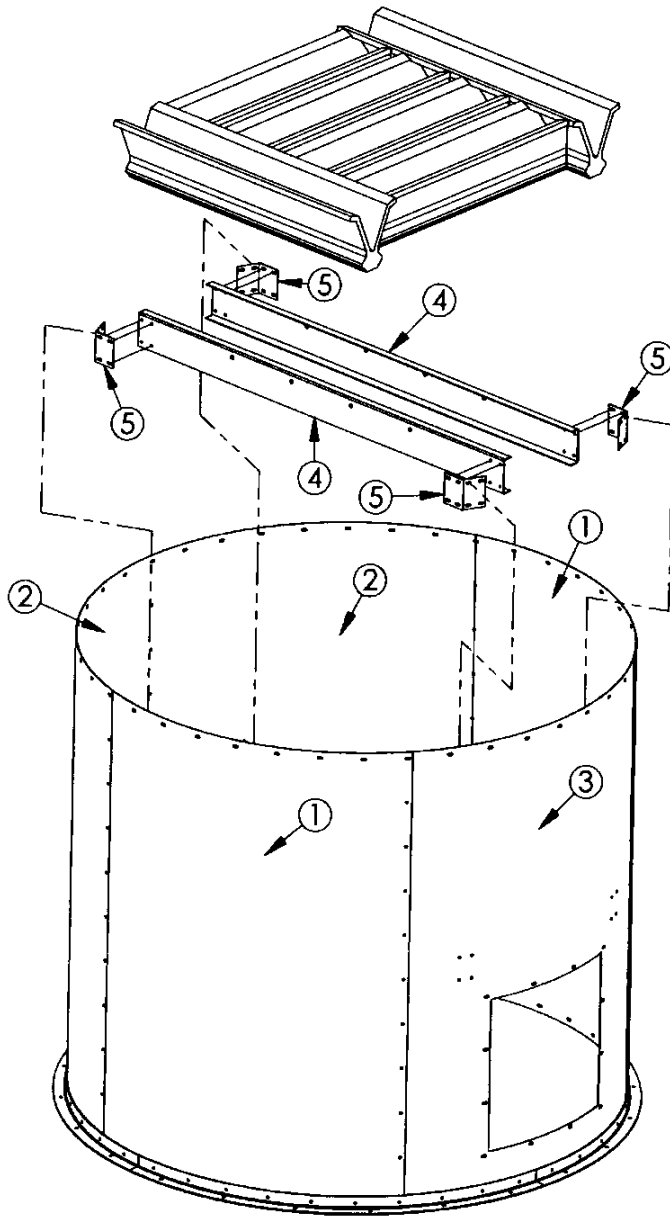
BURNER CAN ASSEMBLY STEP 1

REF	PART #	DESCRIPTION
1	U12155	BURNER FLANGE RING
2	U12157	PANEL B, BURNER CAN



NOTE: USE 5/16 X 1.00" BOLTS

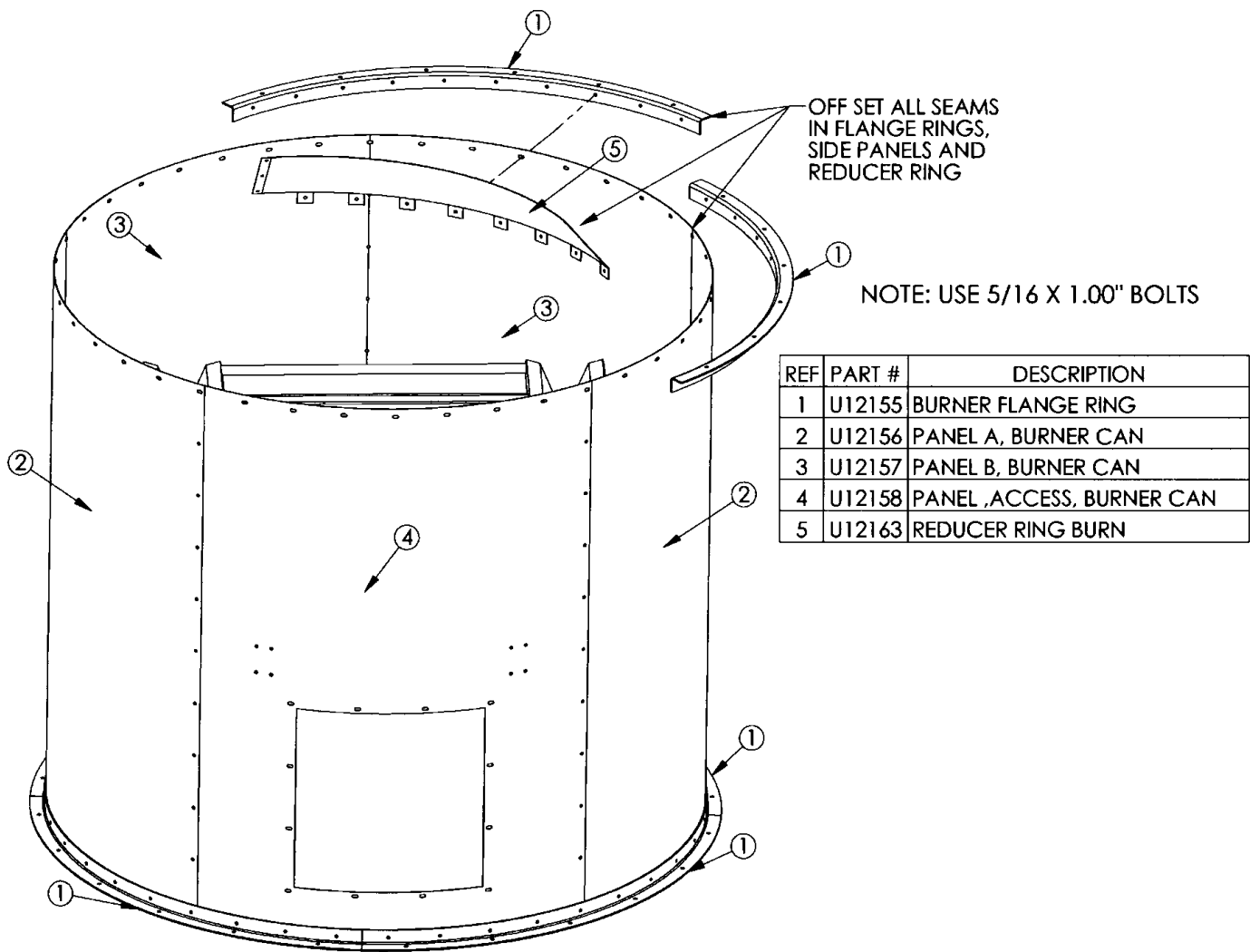
BURNER CAN ASSEMBLY STEP 2



REF	PART #	DESCRIPTION
1	U12156	PANEL A, BURNER CAN
2	U12157	PANEL B, BURNER CAN
3	U12158	PANEL ,ACCESS, BURNER CAN
4	U12161	SUPPORT RAIL, BURNER CAN
5	U12162	BRACKET, BURNER SUPPORT

NOTE: 1. USE 5/16 X 1.00" BOLTS
 2. USE 1/2 X 1 1/4" BOLTS TO
 MOUNT BURNER

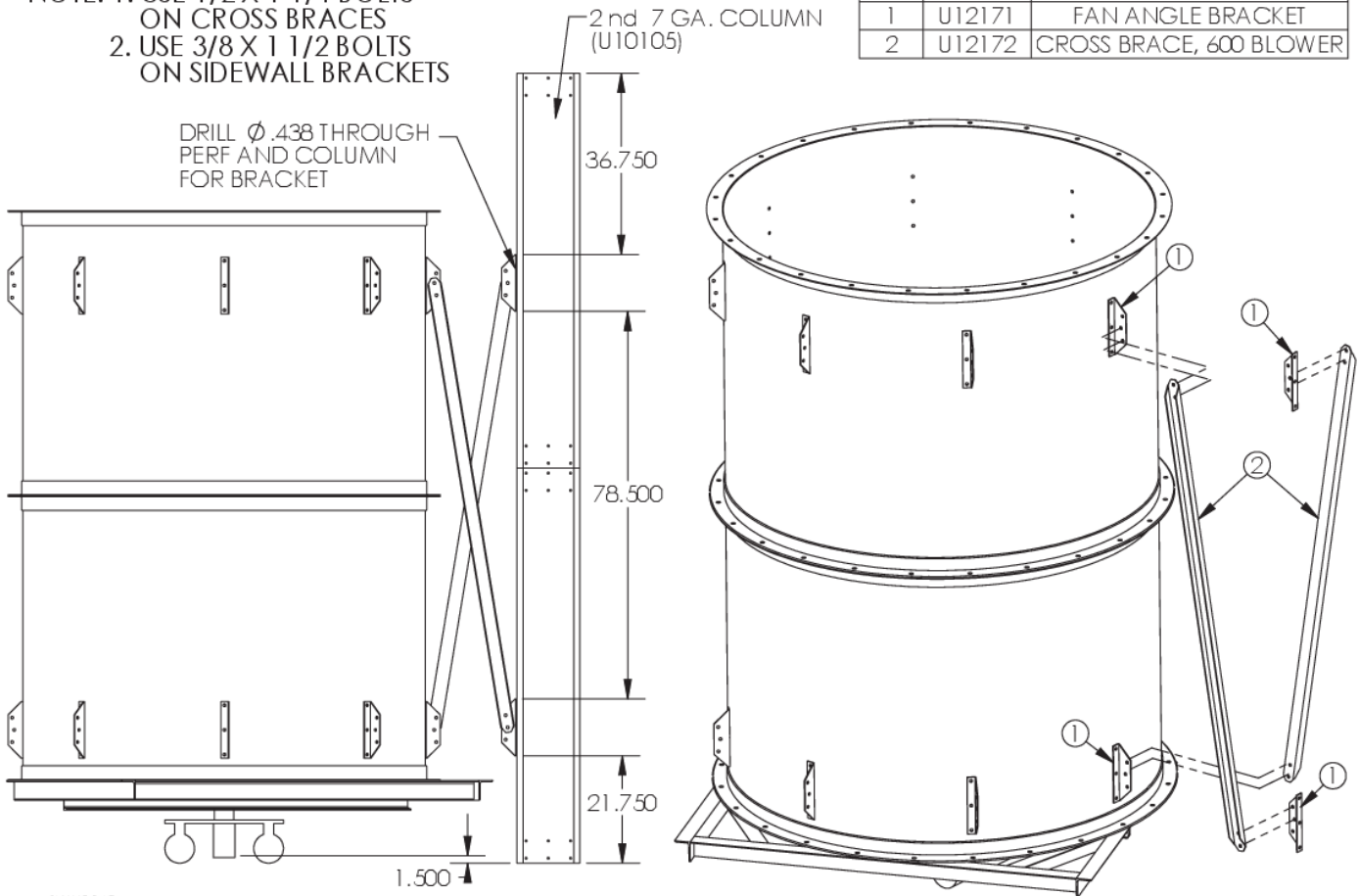
BURNER CAN ASSEMBLY STEP 3



BLOWER ASSEMBLY STEP 1

- NOTE: 1. USE 1/2 X 1 1/4 BOLTS
ON CROSS BRACES
2. USE 3/8 X 1 1/2 BOLTS
ON SIDEWALL BRACKETS

DRILL $\phi .438$ THROUGH
PERF AND COLUMN
FOR BRACKET

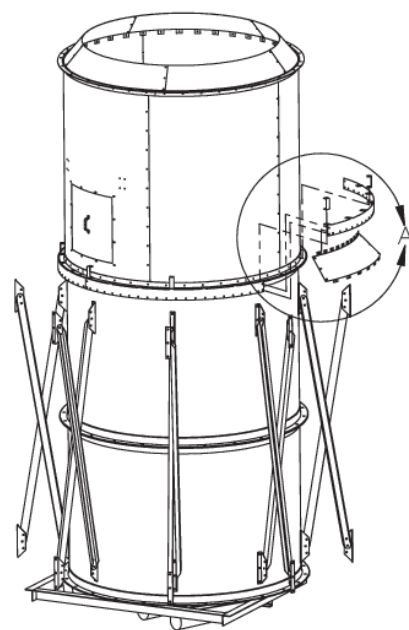


ITEM NO.	PART NUMBER	DESCRIPTION
1	U12171	FAN ANGLE BRACKET
2	U12172	CROSS BRACE, 600 BLOWER

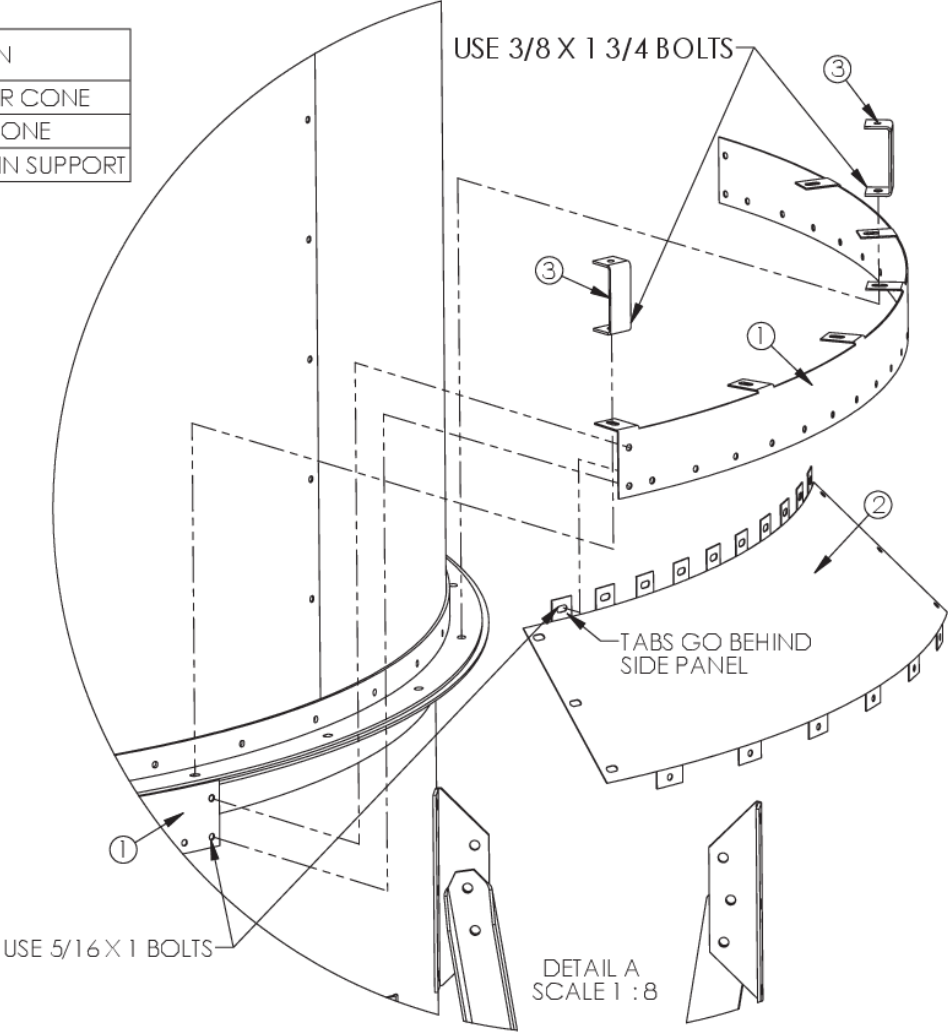
SW U0249
06/08/2022 K.G.J

BLOWER ASSEMBLY STEP 2

ITEM NO.	PART NUMBER	DESCRIPTION
1	U12164	SIDE PANEL, DIVIDER CONE
2	U12165	INNER DIVIDER CONE
3	U12169	BLOWER BRACKET,MAIN SUPPORT

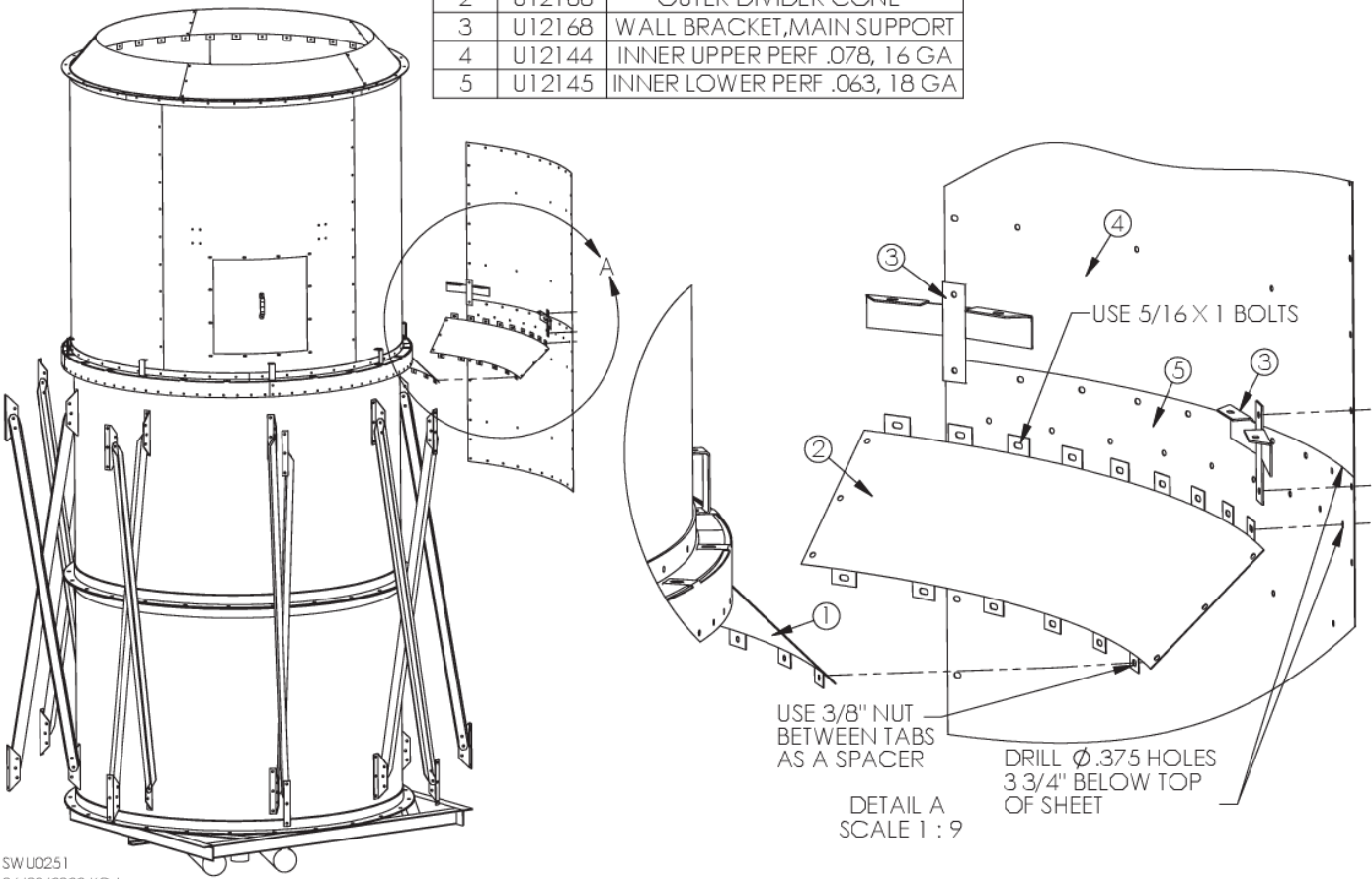


SWU0250
06/08/2022 K.G.J



BLOWER ASSEMBLY STEP 3

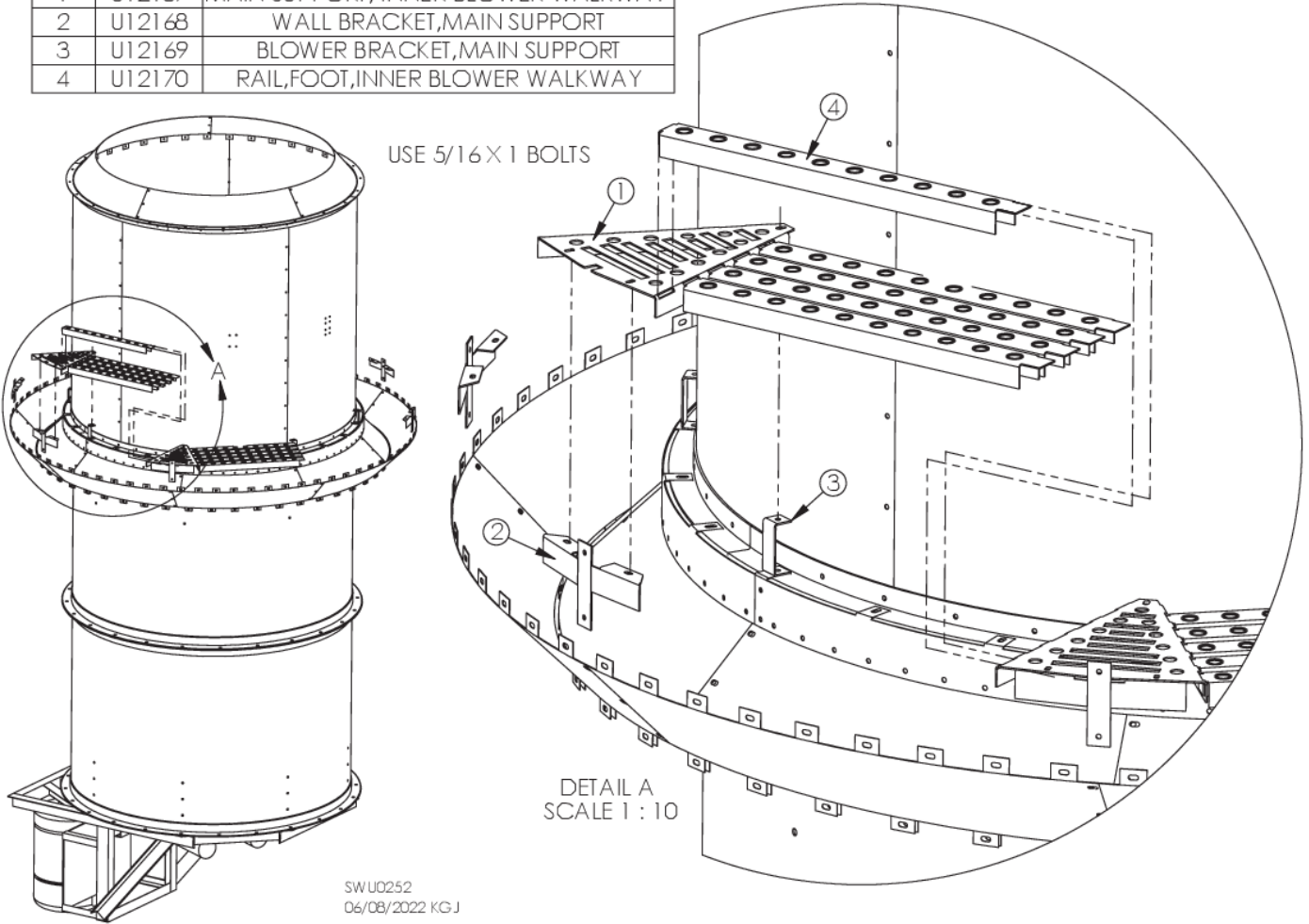
ITEM NO.	PART NUMBER	DESCRIPTION
1	U12165	INNER DIVIDER CONE
2	U12166	OUTER DIVIDER CONE
3	U12168	WALL BRACKET,MAIN SUPPORT
4	U12144	INNER UPPER PERF .078, 16 GA
5	U12145	INNER LOWER PERF .063, 18 GA



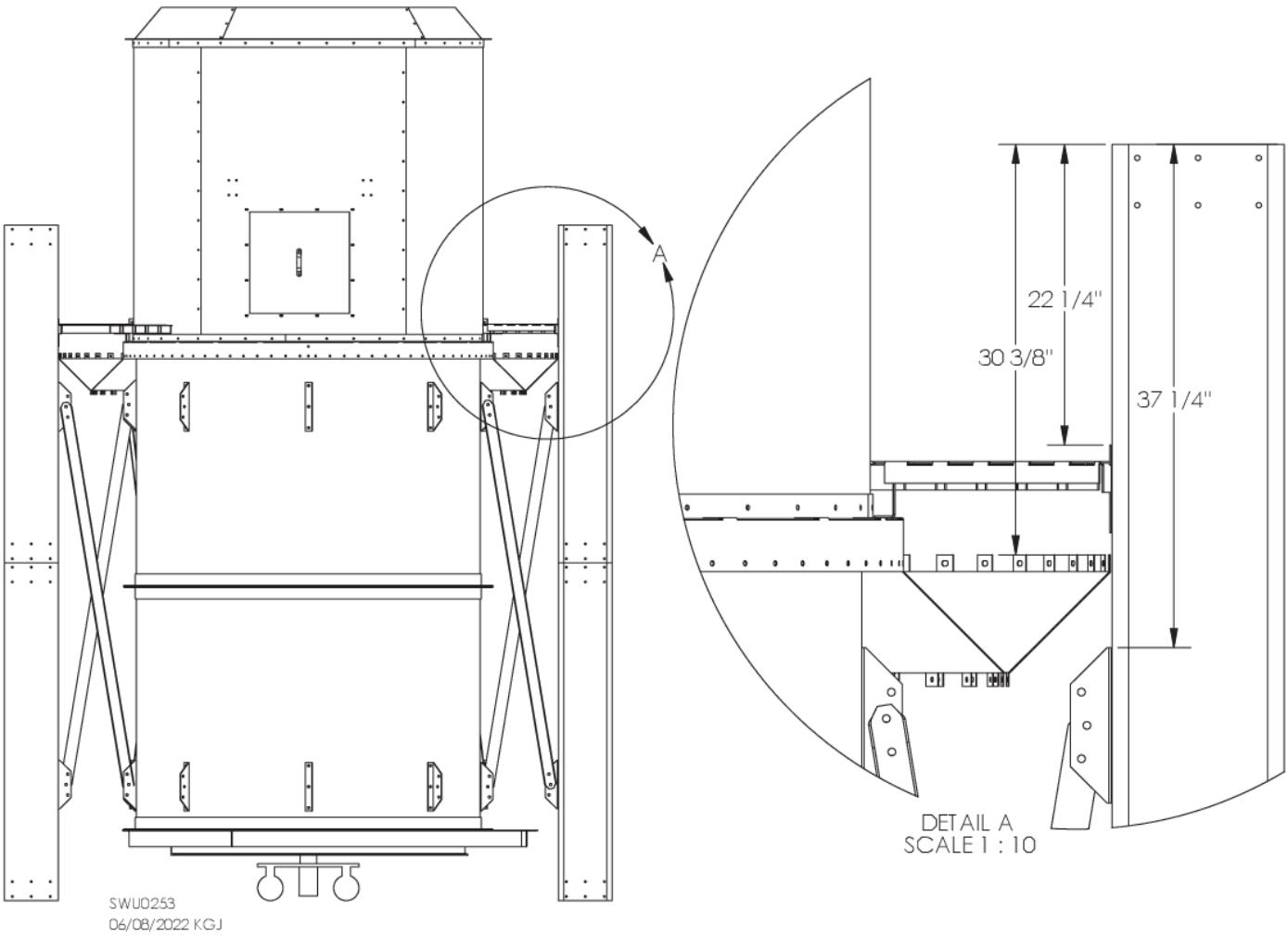
SW U0251
06/08/2022 KGJ

BLOWER ASSEMBLY STEP 4

ITEM NO.	PART NUMBER	DESCRIPTION
1	U12167	MAIN SUPPORT, INNER BLOWER WALKWAY
2	U12168	WALL BRACKET, MAIN SUPPORT
3	U12169	BLOWER BRACKET, MAIN SUPPORT
4	U12170	RAIL, FOOT, INNER BLOWER WALKWAY

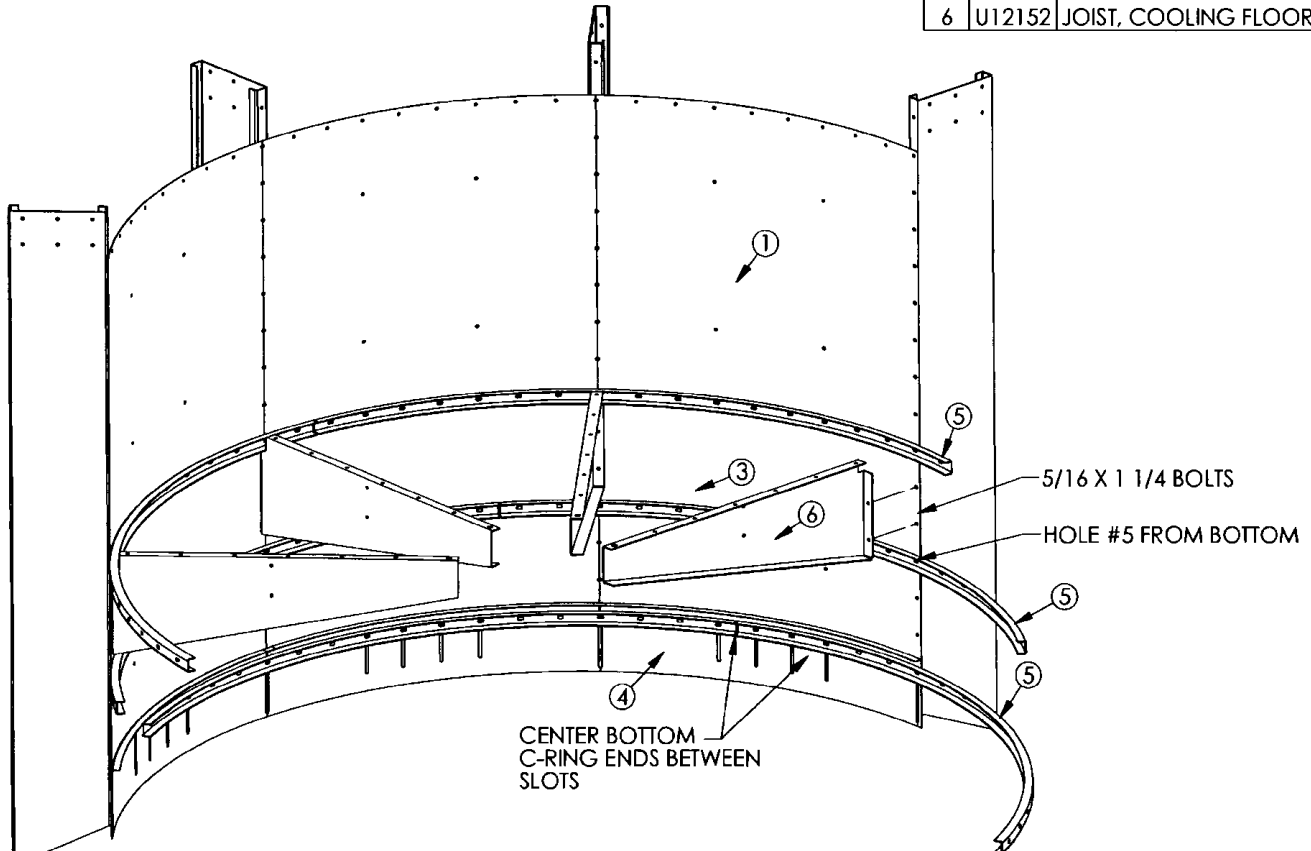


BLOWER ASSEMBLY, WALKBOARD & DIVIDER CONE PLACEMENT



COOL FLOOR ASSEMBLY STEP 1

REF	PART #	DESCRIPTION
1	U12145	INNER LOWER PERF .063, 18 GA
3	U12142	INNER BOTTM SOLID
4	U12147	FLOW CONTROL SLIDE PANEL
5	U12143	INNER C RING
6	U12152	JOIST, COOLING FLOOR



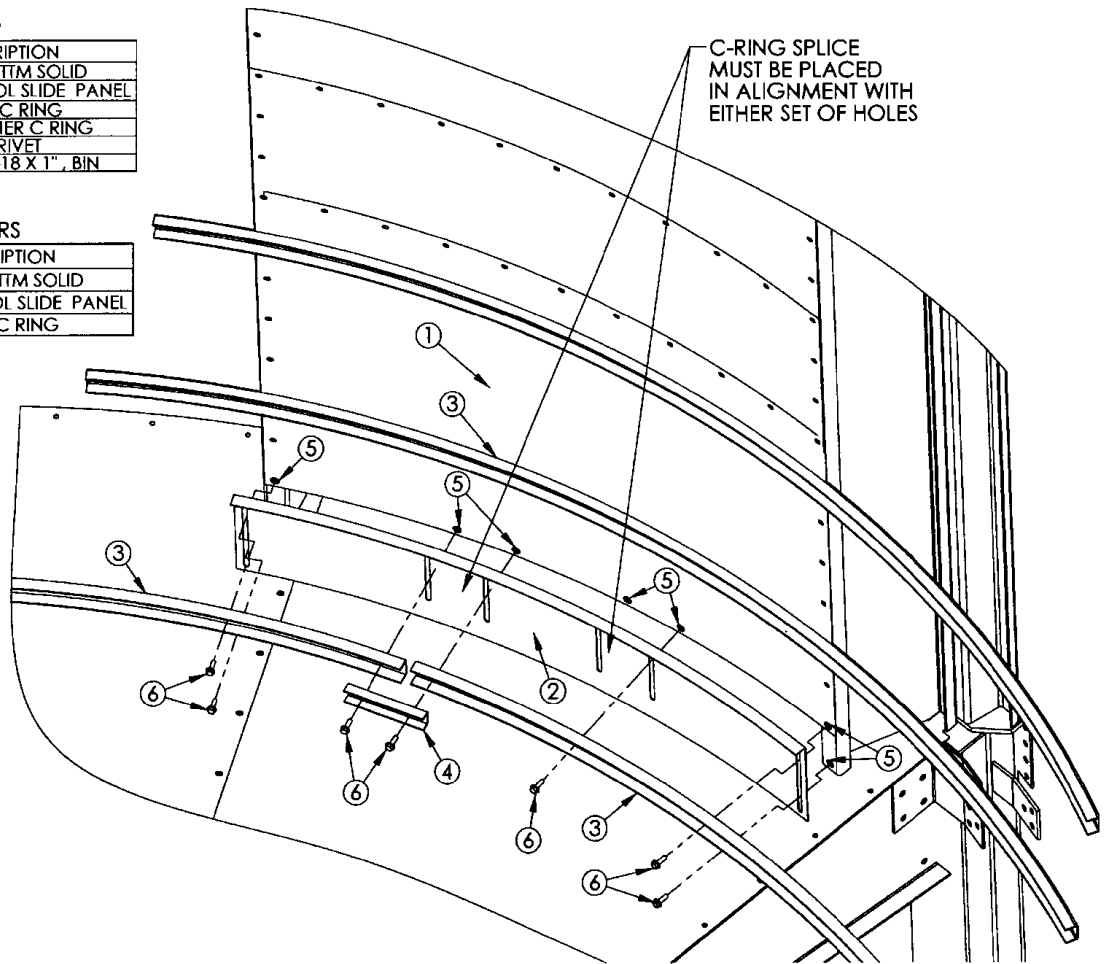
ADJUSTABLE SLIDE GATE ASSEMBLY

18' TOWER DRYERS

ITEM #	PART #	DESCRIPTION
1	U10146	INNER BOTTM SOLID
2	U18189	FLOW CONTROL SLIDE PANEL
3	U18178	INNER C RING
4	U18179	SPLICE INNER C RING
5	J1007	NUT RIVET
6	J0537	BOLT, 5/16-18 X 1", BIN

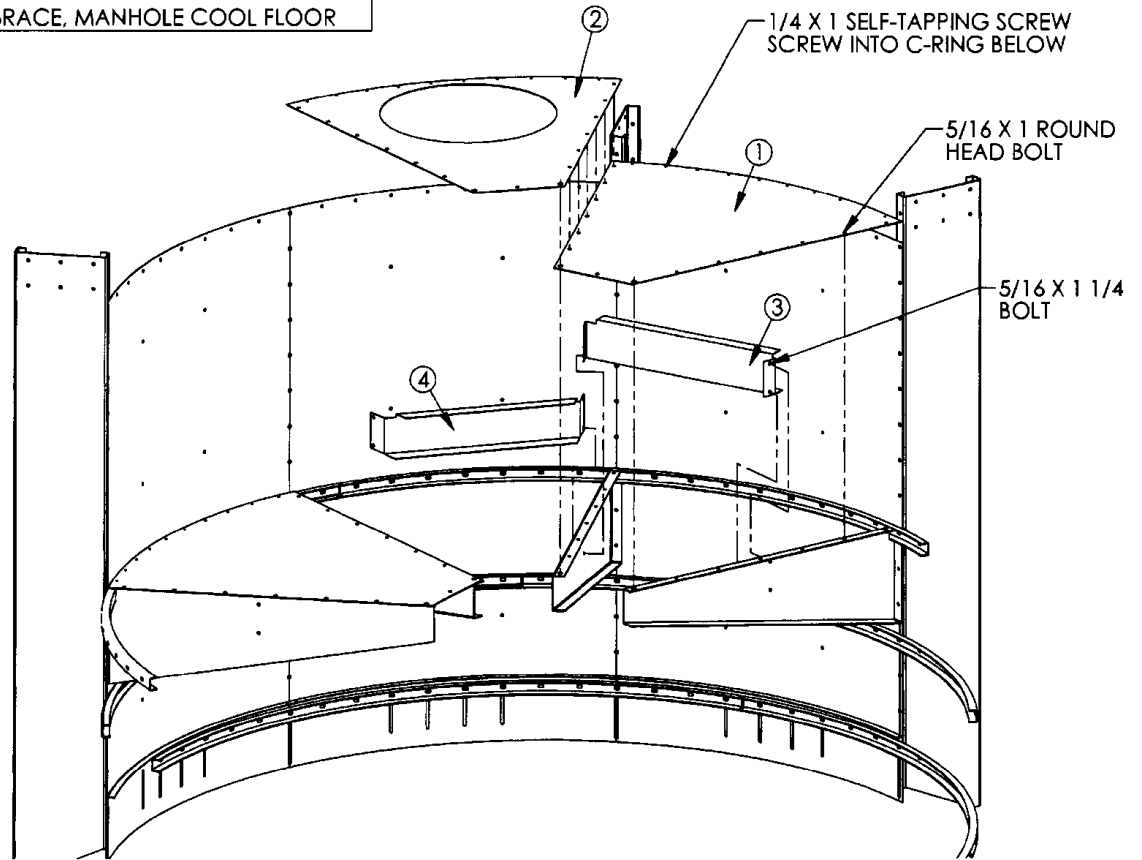
12' TOWER DRYERS

ITEM #	PART #	DESCRIPTION
1	U12142	INNER BOTTM SOLID
2	U12147	FLOW CONTROL SLIDE PANEL
3	U12143	INNER C RING



COOL FLOOR ASSEMBLY STEP 2

REF	PART #	DESCRIPTION
1	U12148	FLOOR PANEL, COOLING FLOOR
2	U12149	FLOOR PANEL, MANHOLE, COOLING FLOOR
3	U12150	CROSS BRACE, COOL FLOOR
4	U12195	CROSS BRACE, MANHOLE COOL FLOOR



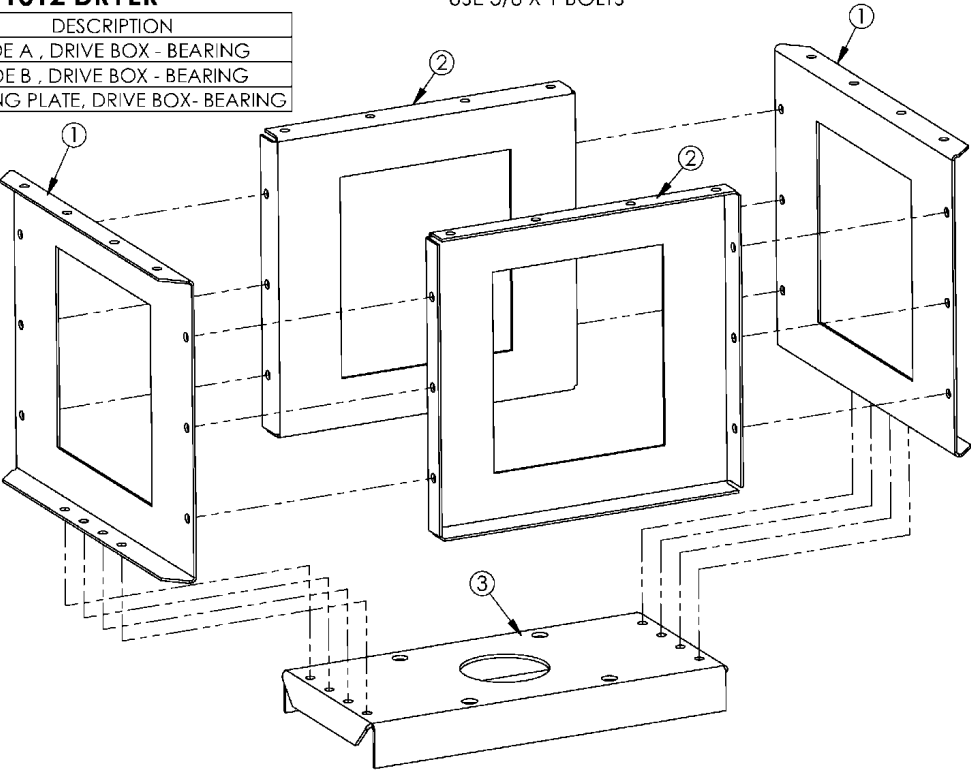
COOL FLOOR ASSEMBLY STEP 3

ITEM NO.	PART NO.	DESCRIPTION
1	U18829	SIDE A , DRIVE BOX - BEARING
2	U18830	SIDE B , DRIVE BOX - BEARING
3	U18831	BEARING PLATE, DRIVE BOX- BEARING

USE ON U1012 DRYER

ITEM NO.	PART NO.	DESCRIPTION
1	U10118	SIDE A , DRIVE BOX - BEARING
2	U10119	SIDE B , DRIVE BOX - BEARING
3	U10120	BEARING PLATE, DRIVE BOX- BEARING

USE 3/8 X 1 BOLTS

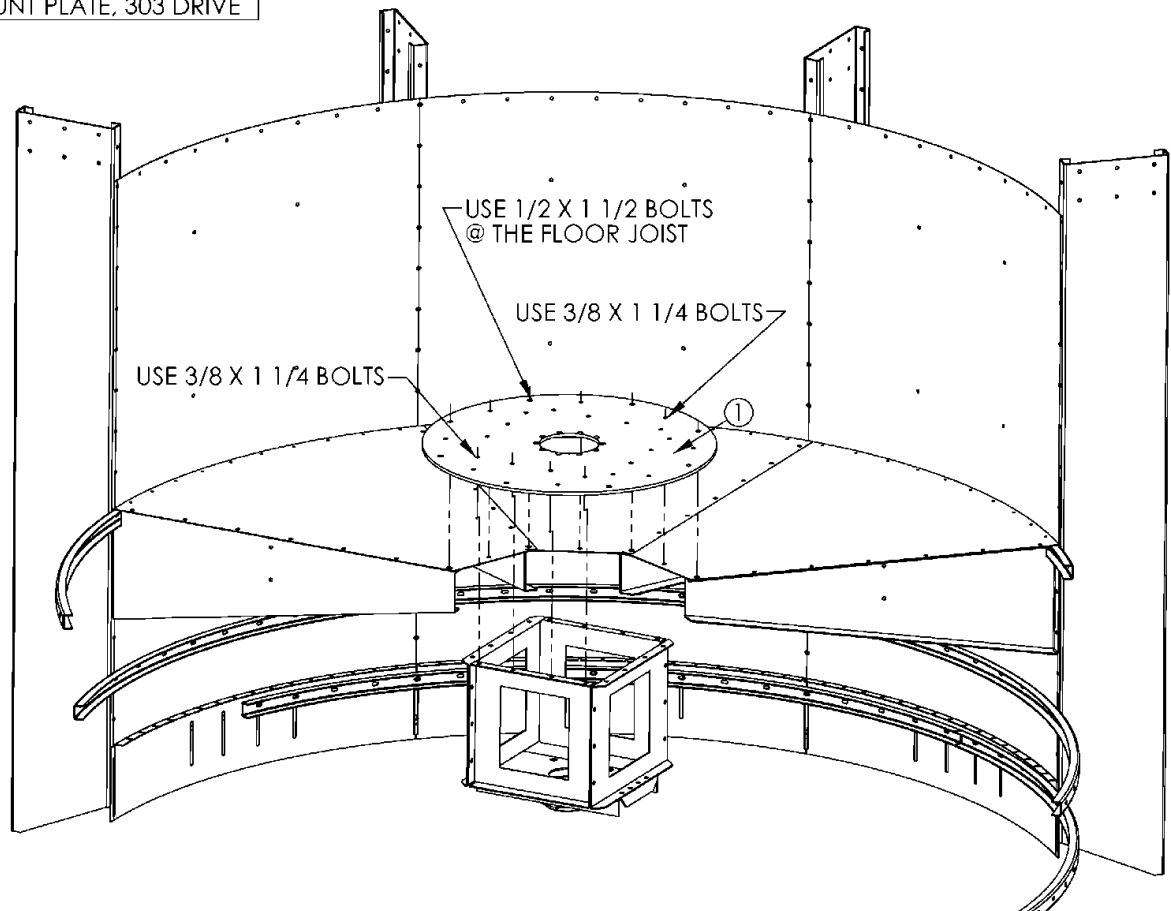


COOL FLOOR ASSEMBLY STEP 4

REF	PART #	DESCRIPTION
1	U12153	MOUNT PLATE, DRIVE TO COOLING FLOOR

USE ON U1012 DRYER

REF	PART #	DESCRIPTION
1	U12549	MOUNT PLATE, 303 DRIVE



TOWER DRYER LEG ASSEMBLY

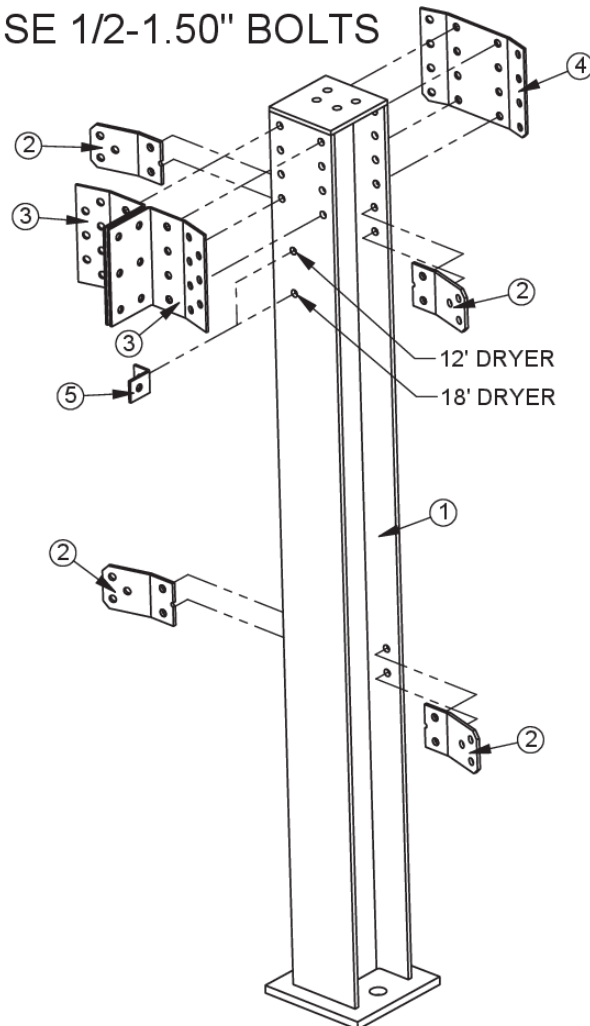
18' DRYER LEG

ITEM NO.	PART NUMBER	QTY.	DESCRIPTION
1	U18198	1	LEG, 6' HEIGHT, WELDMENT, BOLT-ON
2	U181131	4	TAB, CROSS BRACE, BOLT-ON
3	U181141	2	INNER APRON BRACKET, BOLT-ON
4	U181151	1	OUTER APRON BRACKET, BOLT-ON
5	U181161	1	LOWER JOIST TAB, BOLT-ON

12' DRYER LEG

ITEM NO.	PART NUMBER	QTY.	DESCRIPTION
1	U18198	1	LEG, 6' HEIGHT, WELDMENT, BOLT-ON
2	U121041	4	TAB, CROSS BRACE, BOLT-ON
3	U121031	2	INNER APRON BRACKET, BOLT-ON
4	U121021	1	OUTER APRON BRACKET, BOLT-ON
5	U181161	1	LOWER JOIST TAB, BOLT-ON

USE 1/2-1.50" BOLTS

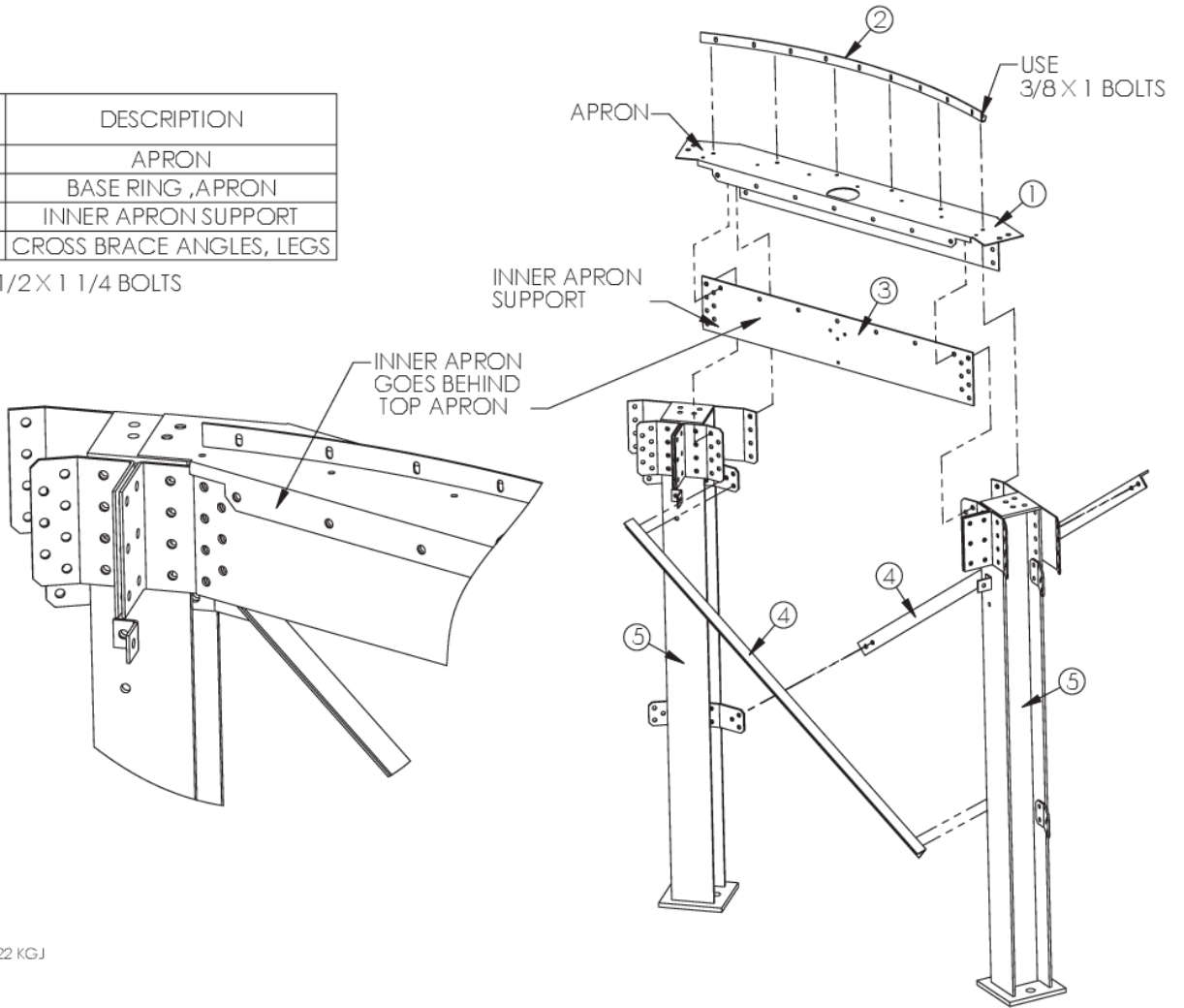


SWU0238
06/13/2022KGJ

12' TOWER DRYER BASE ASSEMBLY STEP 1

ITEM NO.	PART NUMBER	DESCRIPTION
1	U12105	APRON
2	U12106	BASE RING ,APRON
3	U12107	INNER APRON SUPPORT
4	U18117	CROSS BRACE ANGLES, LEGS

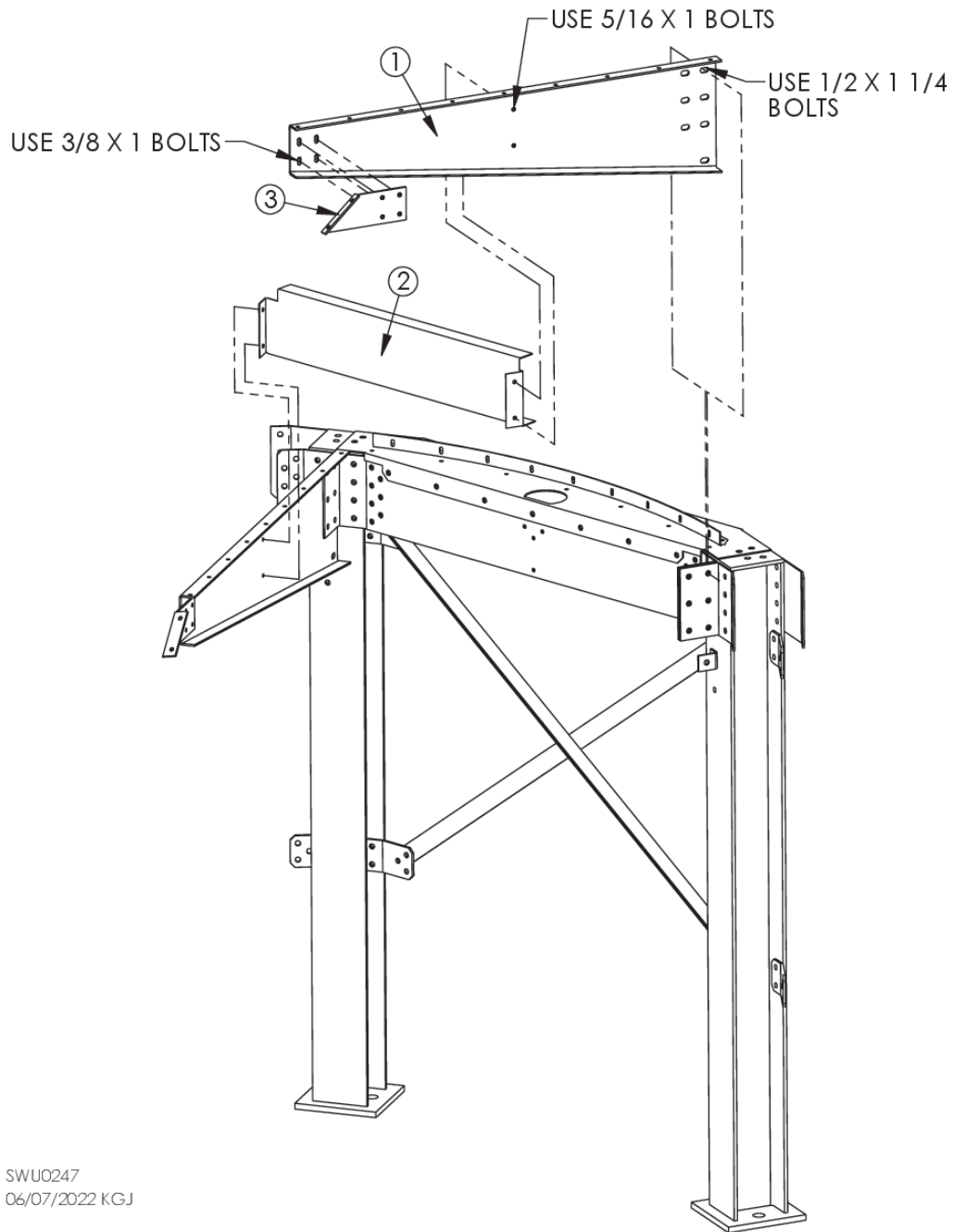
USE 1/2 X 1 1/4 BOLTS



SWU0246
06/07/2022 KGJ

12' TOWER DRYER BASE ASSEMBLY STEP 2

ITEM NO.	PART NUMBER	DESCRIPTION
1	U12108	JOIST, UNLOAD FLOOR
2	U12109	CROSS BRACE, UNLOAD FLOOR
3	U12119	BRACKET, CONE TO FLOOR JOIST

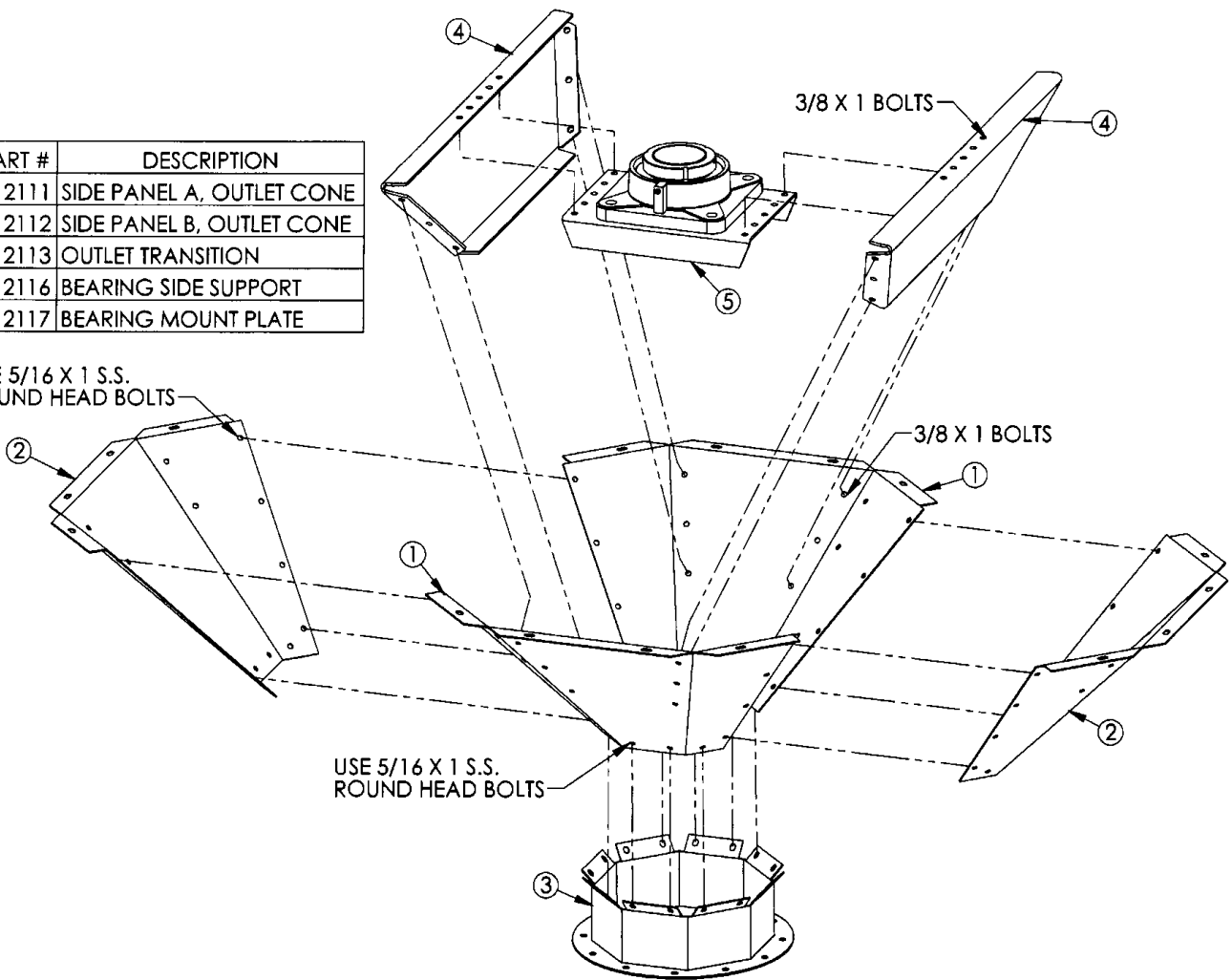


SWU0247
06/07/2022 KGJ

12' TOWER DRYER BASE ASSEMBLY STEP 3

REF	PART #	DESCRIPTION
1	U12111	SIDE PANEL A, OUTLET CONE
2	U12112	SIDE PANEL B, OUTLET CONE
3	U12113	OUTLET TRANSITION
4	U12116	BEARING SIDE SUPPORT
5	U12117	BEARING MOUNT PLATE

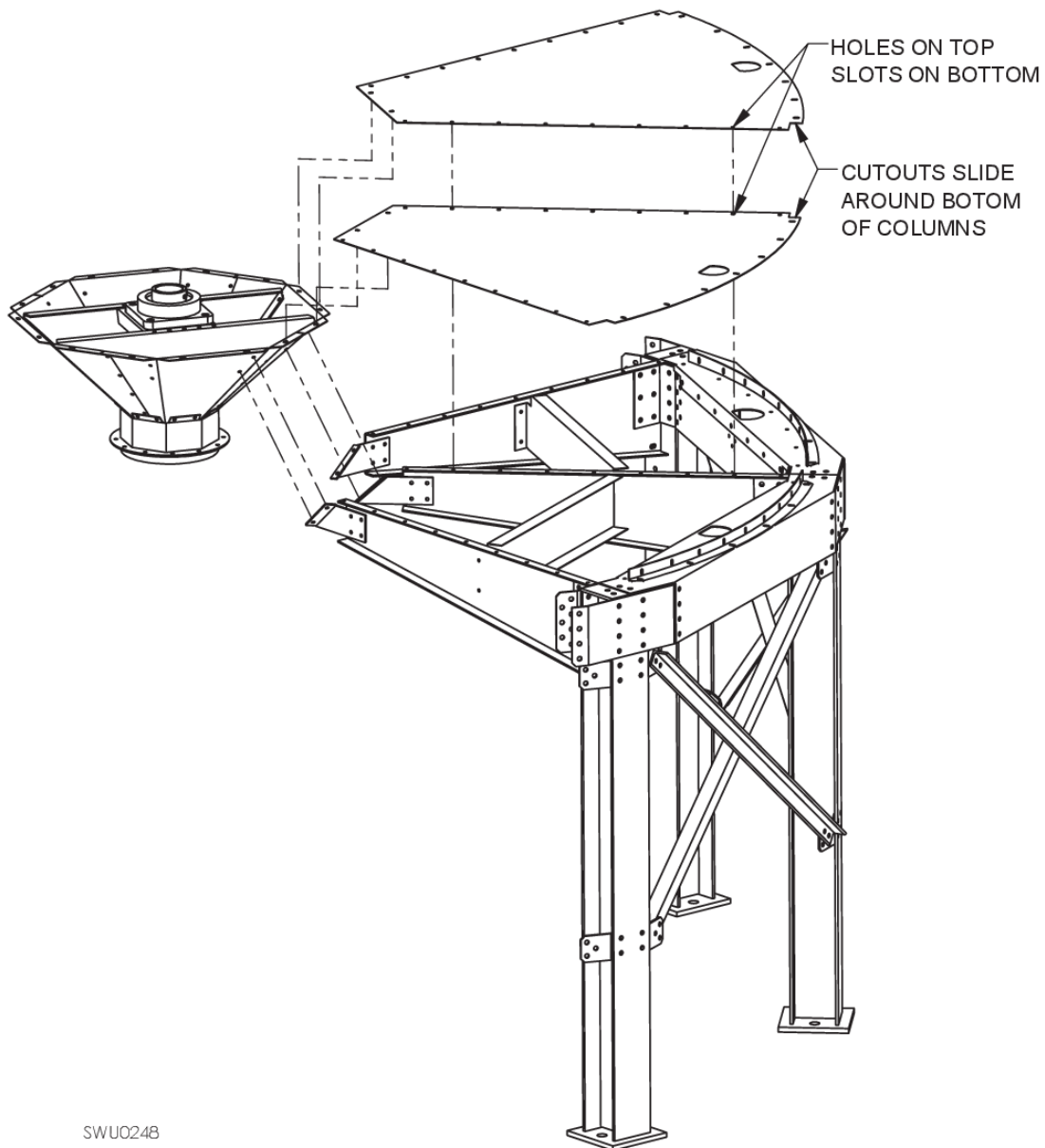
USE 5/16 X 1 S.S.
ROUND HEAD BOLTS



12' TOWER DRYER BASE ASSEMBLY STEP 4

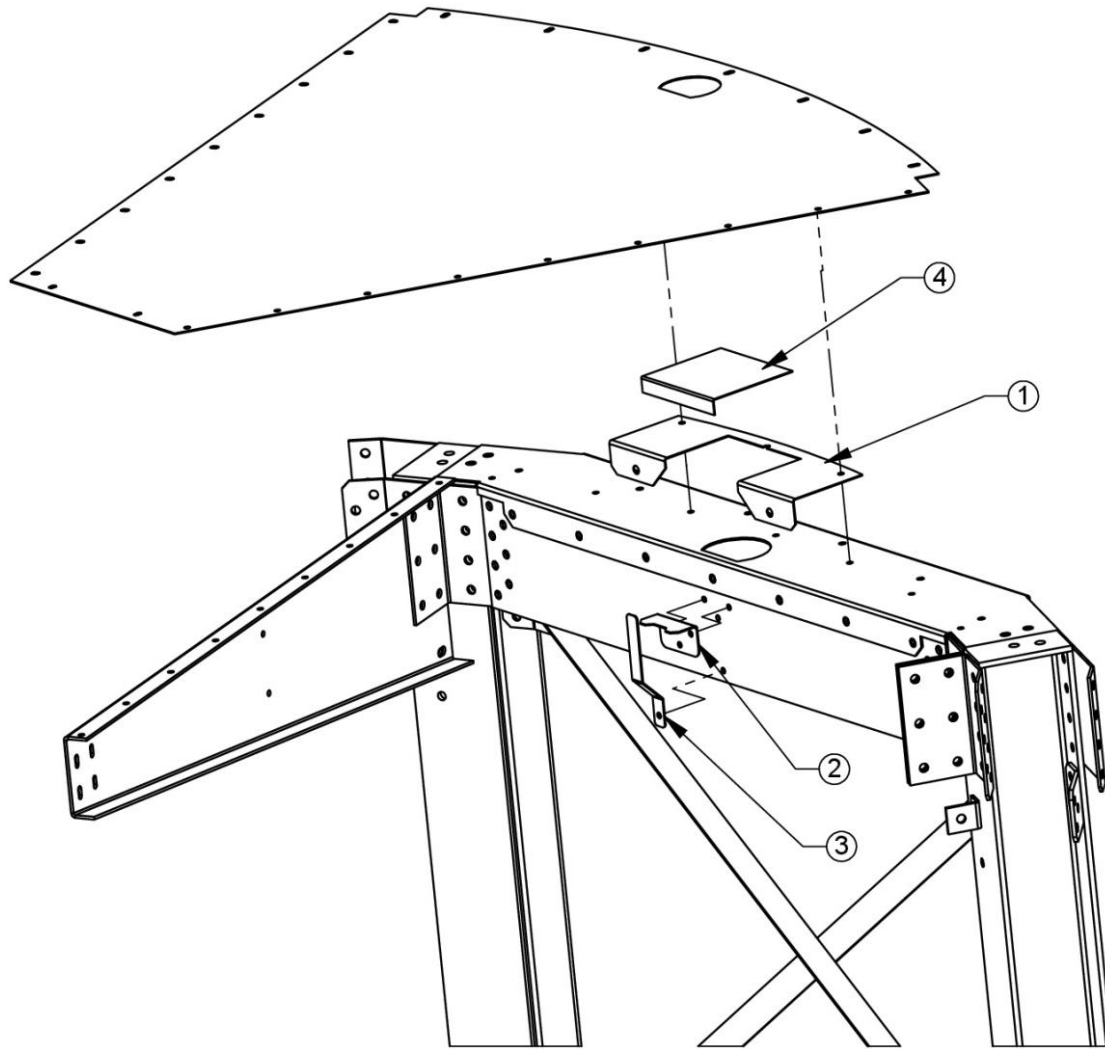
ITEM NO.	PART NUMBER	DESCRIPTION
1	U12110	FLOOR PANEL, UNLOAD FLOOR

USE 5/16 X 1 ROUND HEAD BOLTS



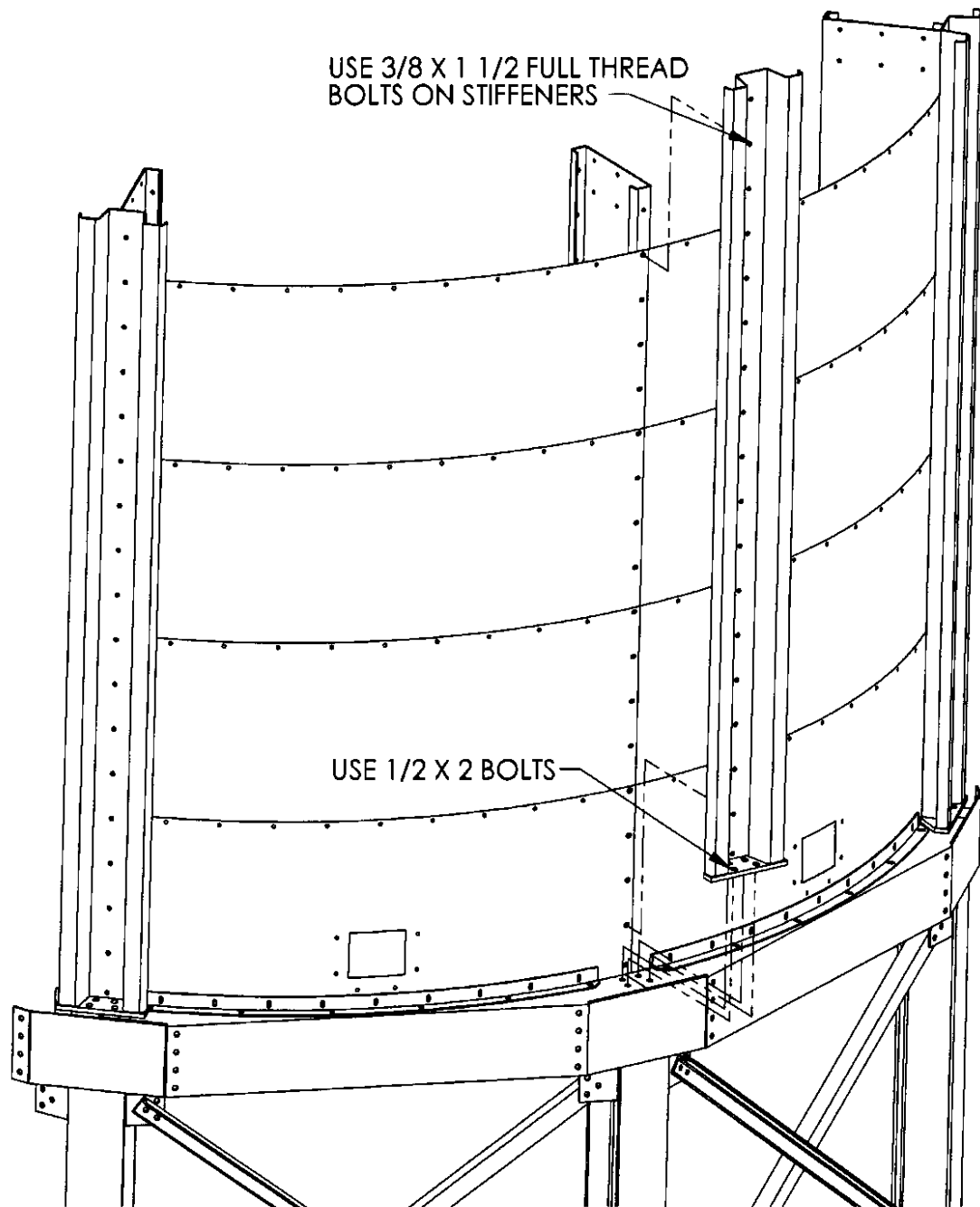
SWU0248
06/07/2022 KGJ

12' LEGS ASSEMBLY



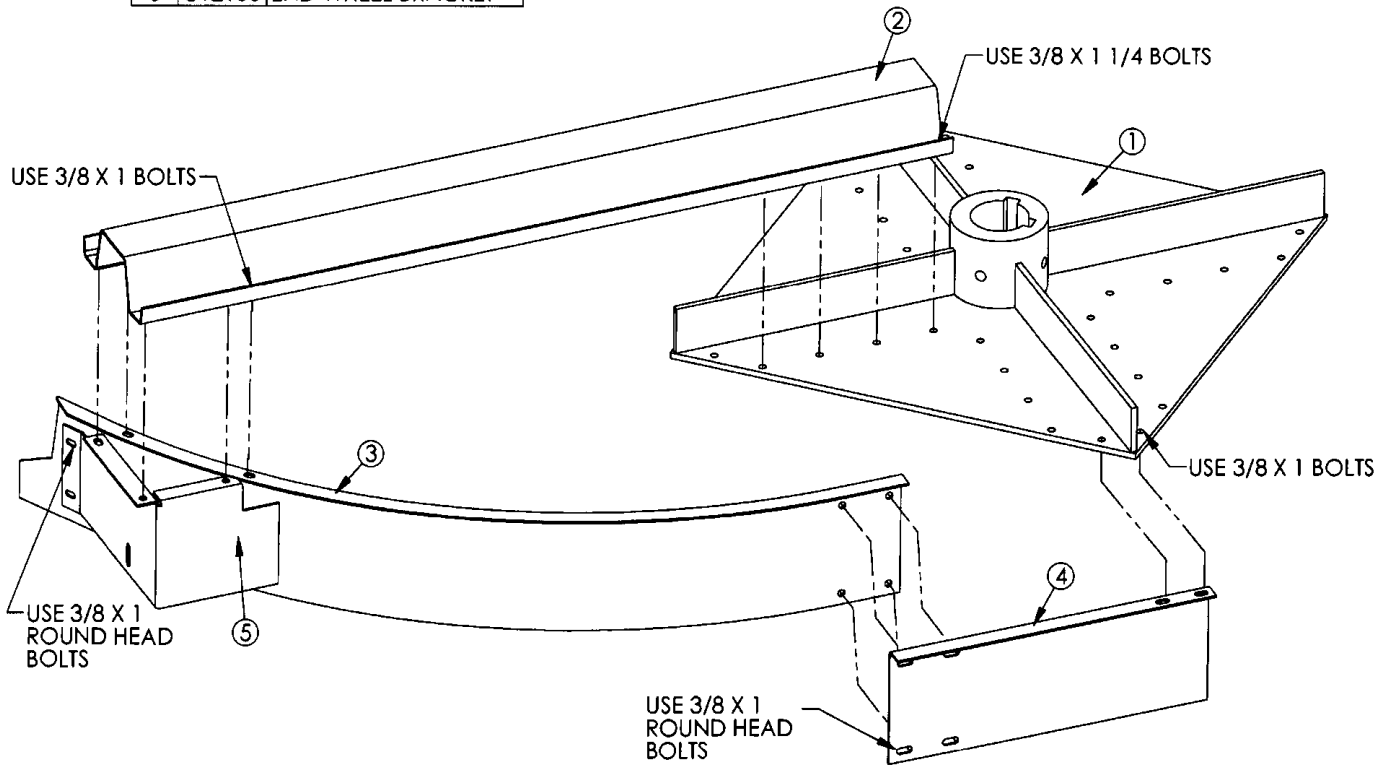
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	U12320	SHIM, BOTTOM CLEANOUT GATE	1
2	U12321	LOCK BRKT,BOTTOM CLEANOUT GATE	1
3	U12322	LOCK BAR,BOTTOM CLEANOUT GATE	1
4	U10153	CLEAN OUT ACCESS DOOR	1

STIFFENER CONNECTION TO SIDEWALL AND BASE



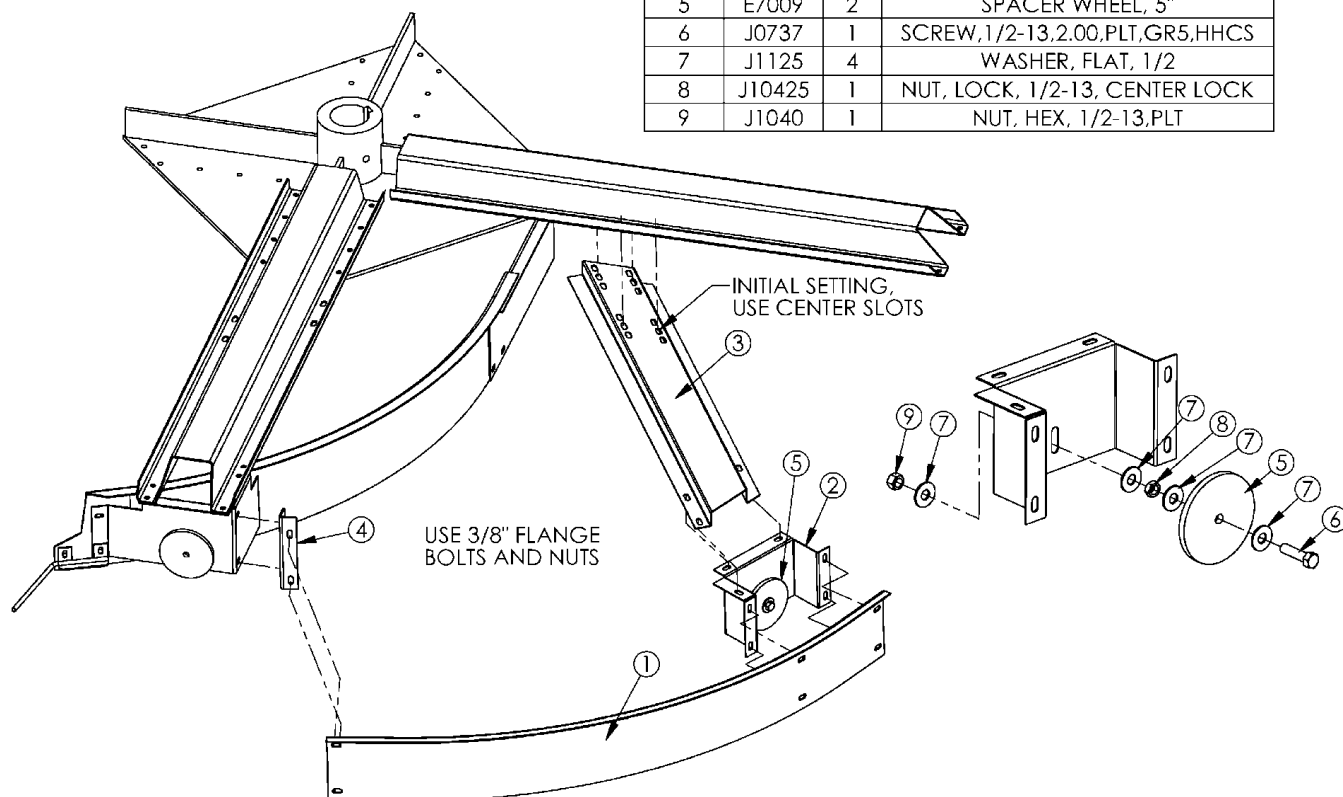
12' UNLOAD ROTOR ASSEMBLY

REF	PART #	DESCRIPTION
1	U12181	DRIVE HUB WELDMENT
2	U12184	MAIN ARM
3	U12185	SCRAPER
4	U18809	EXTENSION, SCRAPER
5	U12186	END WHEEL BRACKET

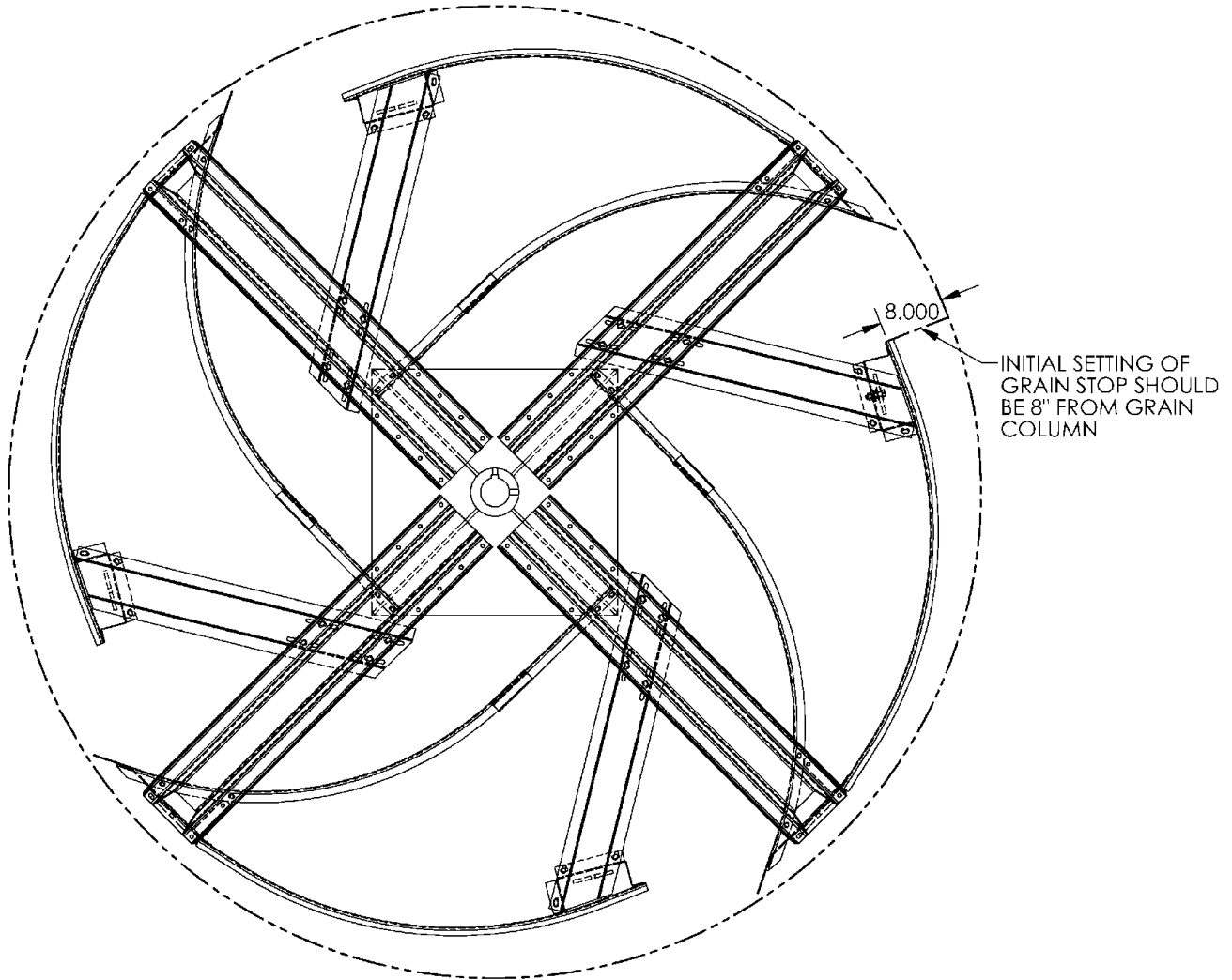


12' TOWER DRYER GRAIN STOP ASSEMBLY

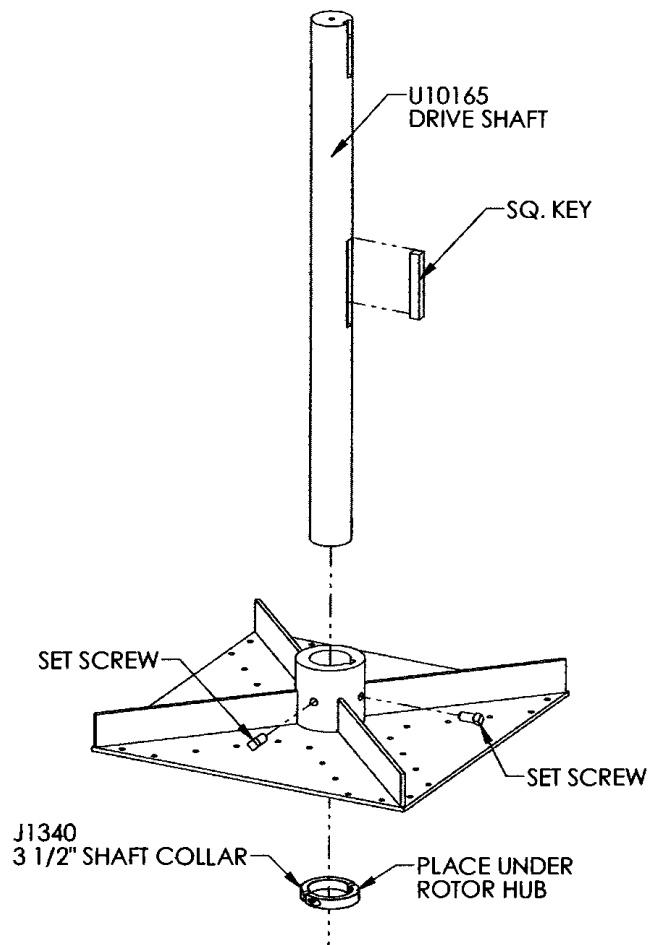
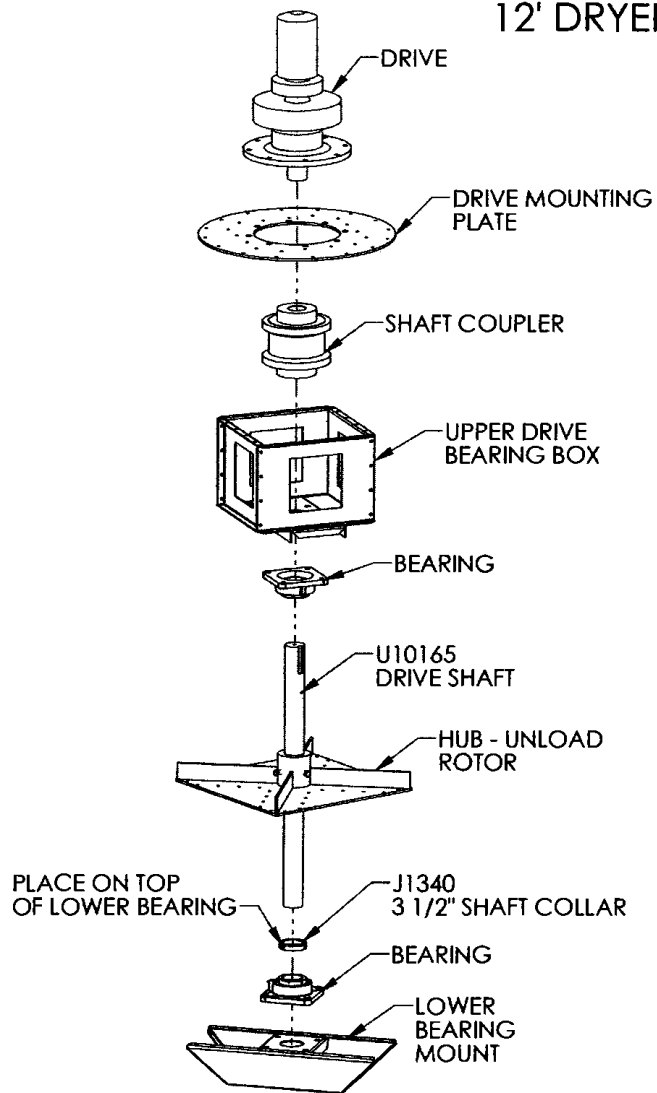
ITEM #	PART #	QTY.	DESCRIPTION
1	U12215	1	BLADE, GRAIN STOP
2	U12216	1	REAR MOUNT BRACKET, BLADE
3	U12217	1	MOUNTING CHANNEL, FLOW BLADE
4	U12218	1	BRACKET, BLADE ATTACHMENT
5	E7009	2	SPACER WHEEL, 5"
6	J0737	1	SCREW, 1/2-13, 2.00, PLT, GR5, HHCS
7	J1125	4	WASHER, FLAT, 1/2
8	J10425	1	NUT, LOCK, 1/2-13, CENTER LOCK
9	J1040	1	NUT, HEX, 1/2-13, PLT



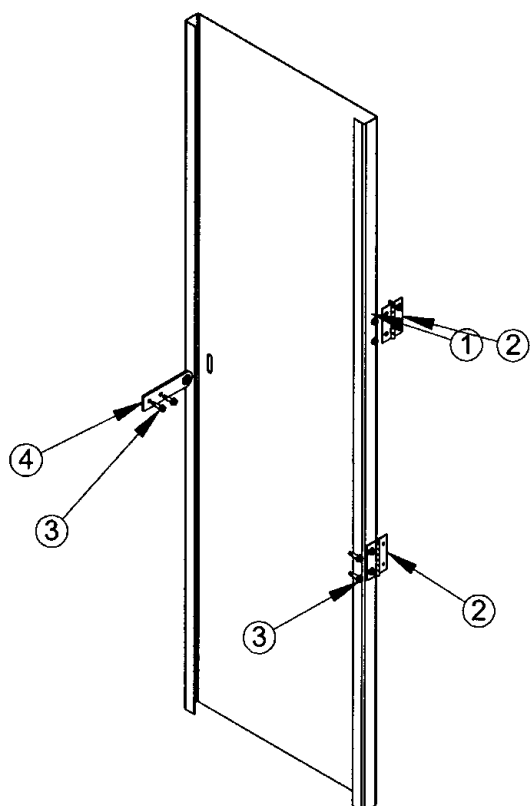
12' TOWER DRYER GRAIN STOP ASSEMBLY



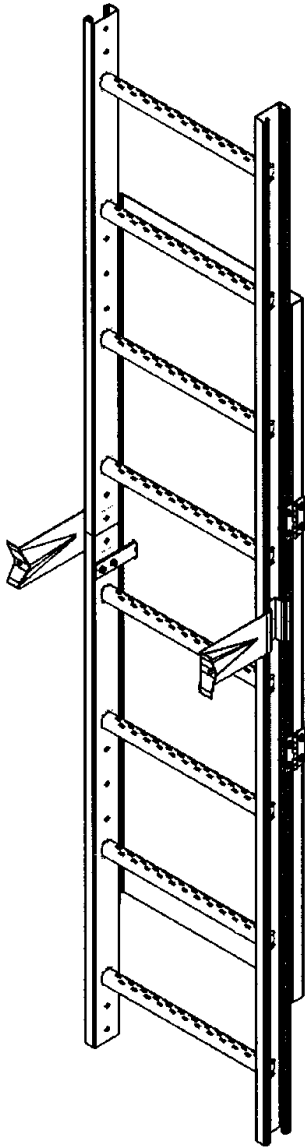
12' DRYER DRIVE ASSEMBLY



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	U90301	GATE, LADDER, TOWER DRYER
2	2	T17851	HINGE, MOISTURE SENSOR-REAR
3	10	J0501	SCREW, 1/4-14, 1, PLT, SELFDRILL
4	1	U90302	LATCH, LADDER GATE, TOWER DRYER
5	1	B5084	LADDER, 44"
6	2	B5078	BRACKET, SPLICE, LADDER, OUTSIDE



**U90300
TOWER DRYER
LADDER GATE ASSY
6/06/06**

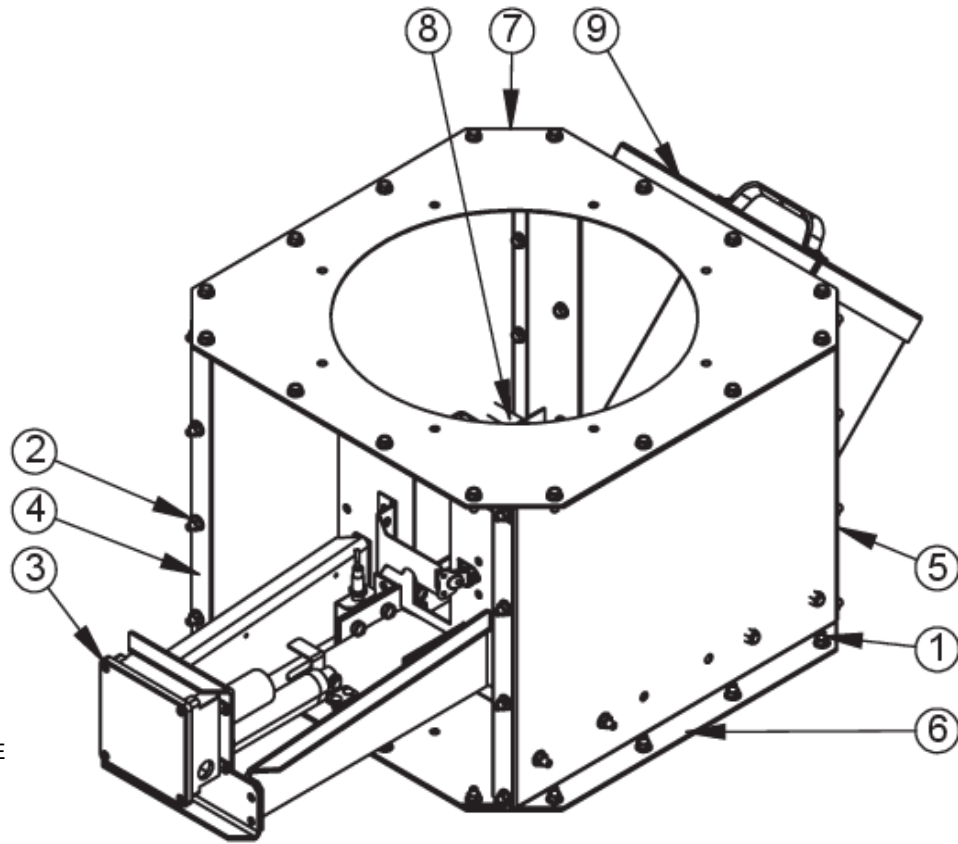


**NOTE:
ATTACH HINGES (T17851) TO LADDER GATE (U90301)
WITH 1/4-14 x 1" LG. SELF TAPPING SCREWS (J0501).**

**POSITION LADDER GATE AND ATTACH HINGES TO
BACK SIDE OF LADDER AS SHOWN WITH 1/4-14 x 1" LG.
SELF TAPPING SCREWS (J0501).**

**ATTACH LATCH (U90302) TO LADDER AS SHOWN WITH
1/4-14 x 1" LG. SELF TAPPING SCREWS (J0501) AT SLOT
LOCATION OF GATE.**

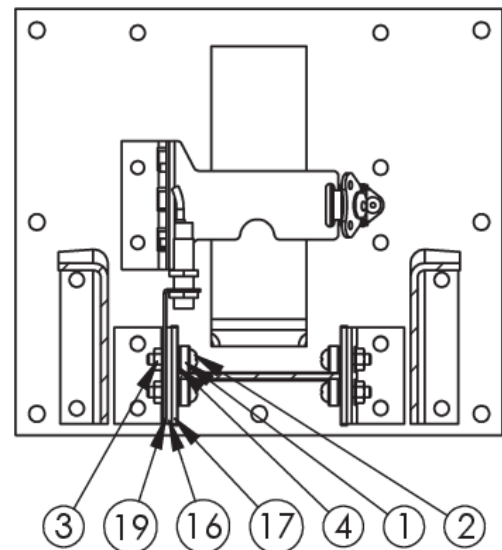
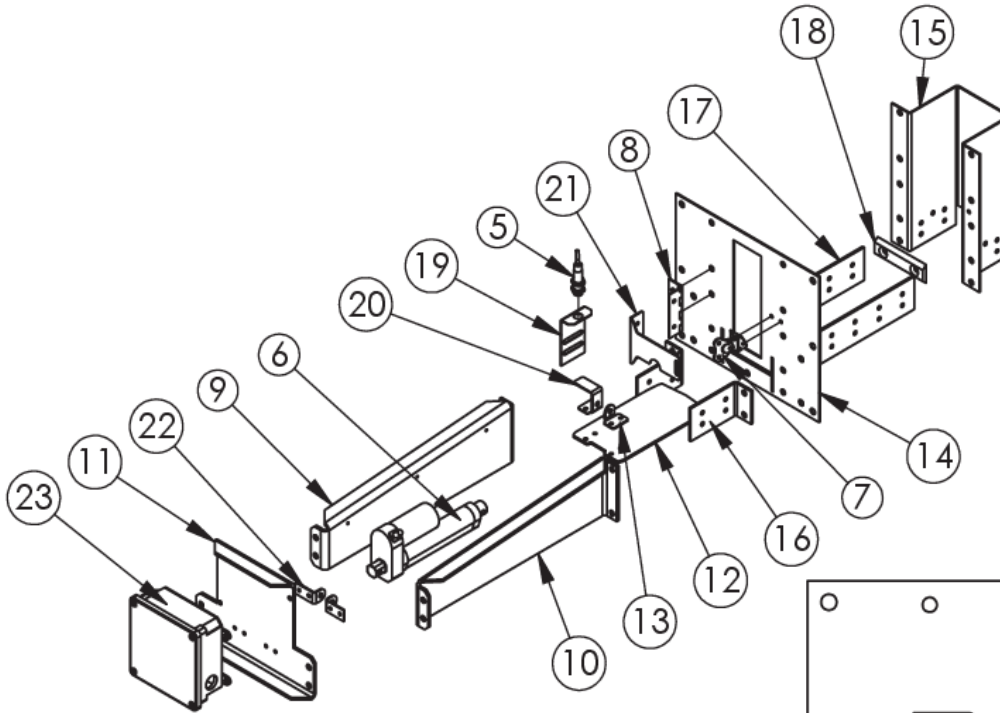
DISCHARGE ASSEMBLY WITH STATIC SAMPLE BOX



U10780
02/20/2019 RPE

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J0536	SCREW,5/16-18,3/4",PLT,GR5,HHWZ	62
2	J1110	NUT, WHIZ, 5/16-18	62
3	T50780	SAMPLER,GRAIN,STATIC,INSRT,ASY	1
4	U10742	FRONT,HOUSING,SAMPLER,TOWER	1
5	U10752	BACK, MOISTURE SENSOR HOUSING,16",TWR DRYER	1
6	U10753	SIDE, MOISTURE SENSOR HOUSING	2
7	U10754	TOP,MOISTURE SENSOR HOUSING	2
8	U10777	GRATE, HAND GUARD	1
9	U10790	CHUTE, ACCESS, MOISTURE SENSOR	1

MOISTURE SENSOR STATIC SAMPLE BOX INSERT ASSEMBLY

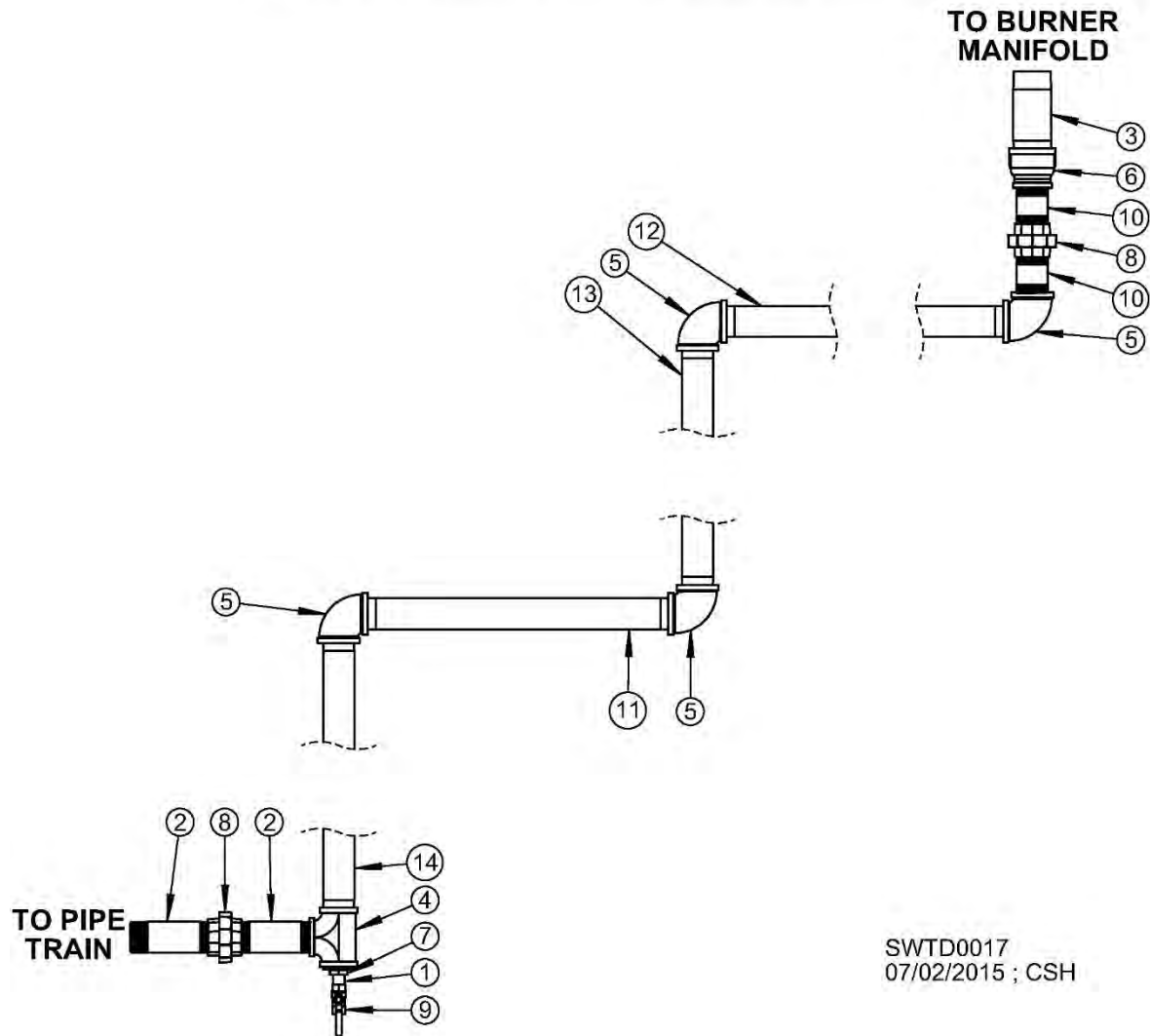


ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J0016	BRG,.25 ID,.625 OD,99R4	16
2	J05081	SCREW, 1/4-20,1,PLT, GR5, SLOTTED RHMS	16
3	J09923	NUT,1/4-20,FLANGE,SERRATED	16
4	J11052	WASHER,FLAT,UNDERSIZED,1/4,PLT	16
5	J4493	SWITCH,PROXIMITY,PNP,24VDC	1
6	J8260	ACTUATOR,LINEAR,24VOLT,100#	1
7	T17416	LATCH,13/64 MOUNT HOLES	1
8	T17851	HINGE, MOUSTURE SENSOR-REAR	1
9	T50783	BRACKET,LEFT SIDE,ACTUATOR	1
10	T50784	BRACKET,RIGHT SIDE,ACTUATOR	1
11	T50785	BRACKET,REAR,ACTUATOR	1
12	T50792	GATE,TEST CELL,MOISTURE SENSOR	1
13	T50793	MOUNT,TAB,LEFT,LINEAR ACTUATOR	1
14	T50801	PLATE,CELL,TEST,MOISTURE SNSR	1
15	T50802	CELL,TEST,MOISTURE SNSR	1
16	T50804	MOUNT,SLIDE,GATE,CELL,TEST	2
17	T50805	SLIDE,UHMW,GATE,CELL,TEST	2
18	T50806	SEAL,UHMW,GATE,BACK,CELL,TEST	1
19	T50807	BRACKET,SNSR,PROX,ACTUATOR	1
20	T50808	MOUNT,TAB&FLAG,LINEAR ACTUATOR	1
21	T50809	BRACKET,RETAINER,MOISTURE SNSR	1
22	U10789	MOUNT,TAB, LINEAR ACTUATOR	2
23	U10797	BOX, TERMINAL, TWR MSTR SNSR	1

T50780
08/10/2020 RPE

U2412 TOWER DRYER VAPOR PROPANE PIPE ROUTING FROM PIPE TRAIN TO BURNER MANIFOLD

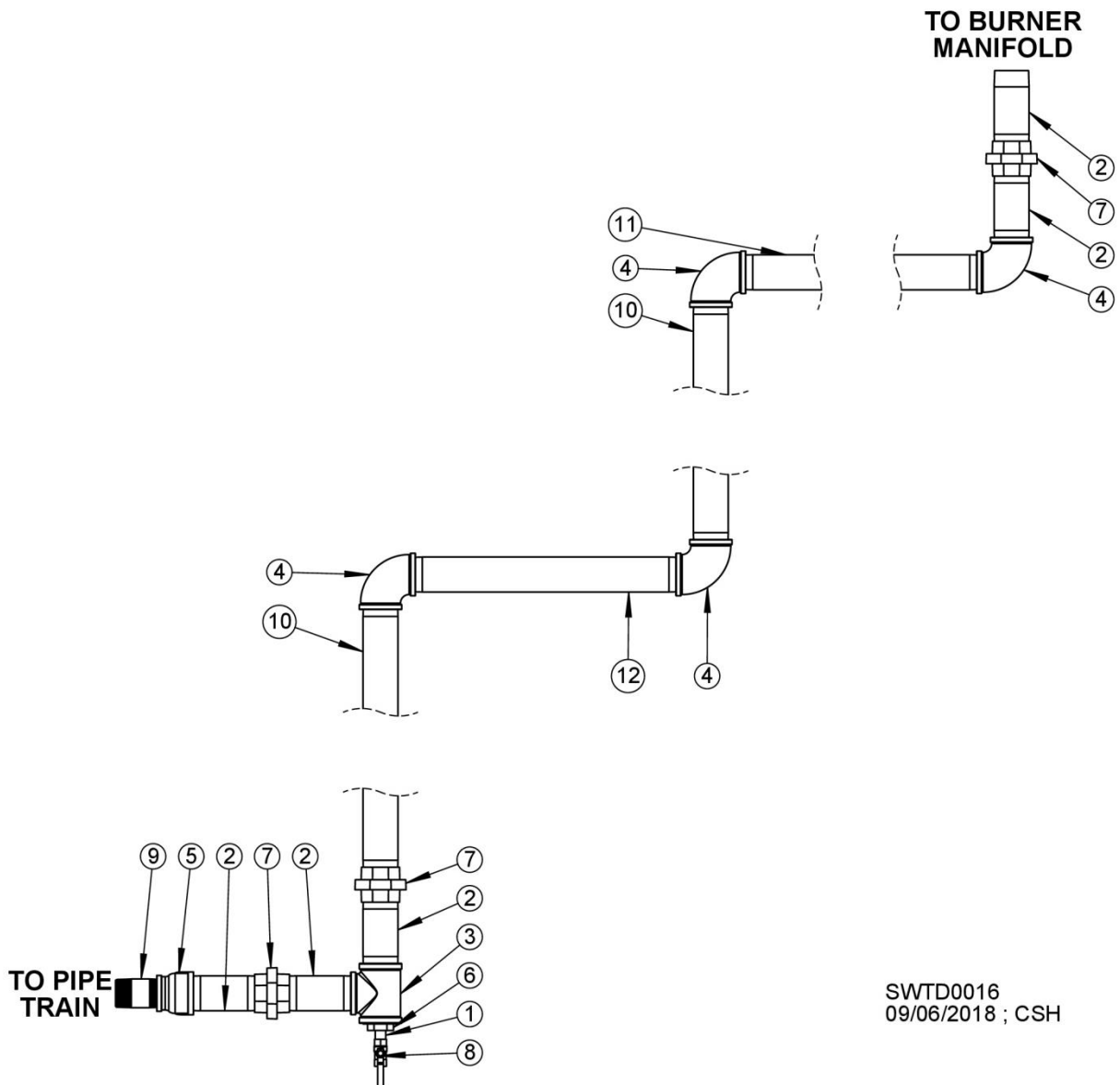
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	J2420	NIPPLE, 3/4" X 2", SCH40
2	2	J2443	NIPPLE, 2 1/2" x 8", SCH 40
3	1	J2450	NIPPLE, 8" X 3", SCH 40, THREADED
4	1	J2493	TEE, 2 1/2" x 2 1/2" x 2 1/2", SCH40
5	4	J2546	ELBOW, 2.5", 90DEG, SCH 40
6	1	J2558	COUPLER,RED,3 X 2 1/2,SCH 40
7	1	J2594	BUSHING,RED,2 1/2" X 3/4",SCH 40
8	2	J2702	UNION, 2 1/2", SCH 40
9	1	J6083	VALVE, 3/4", BALL
10	2	J24432	NIPPLE,2 1/2"X5",SCH 40
11	1	U13265	PIPE,2.5 X 29.5,SCH40,THREADED
12	1	U13266	PIPE,2.5 X 43.5,SCH40,THREADED
13	1	U13268	PIPE,2.5"X134",SCH40,THREADED
14	1	U13271	PIPE,2.5 X 142.5,SCH40,THREAD



SWTD0017
07/02/2015 ; CSH

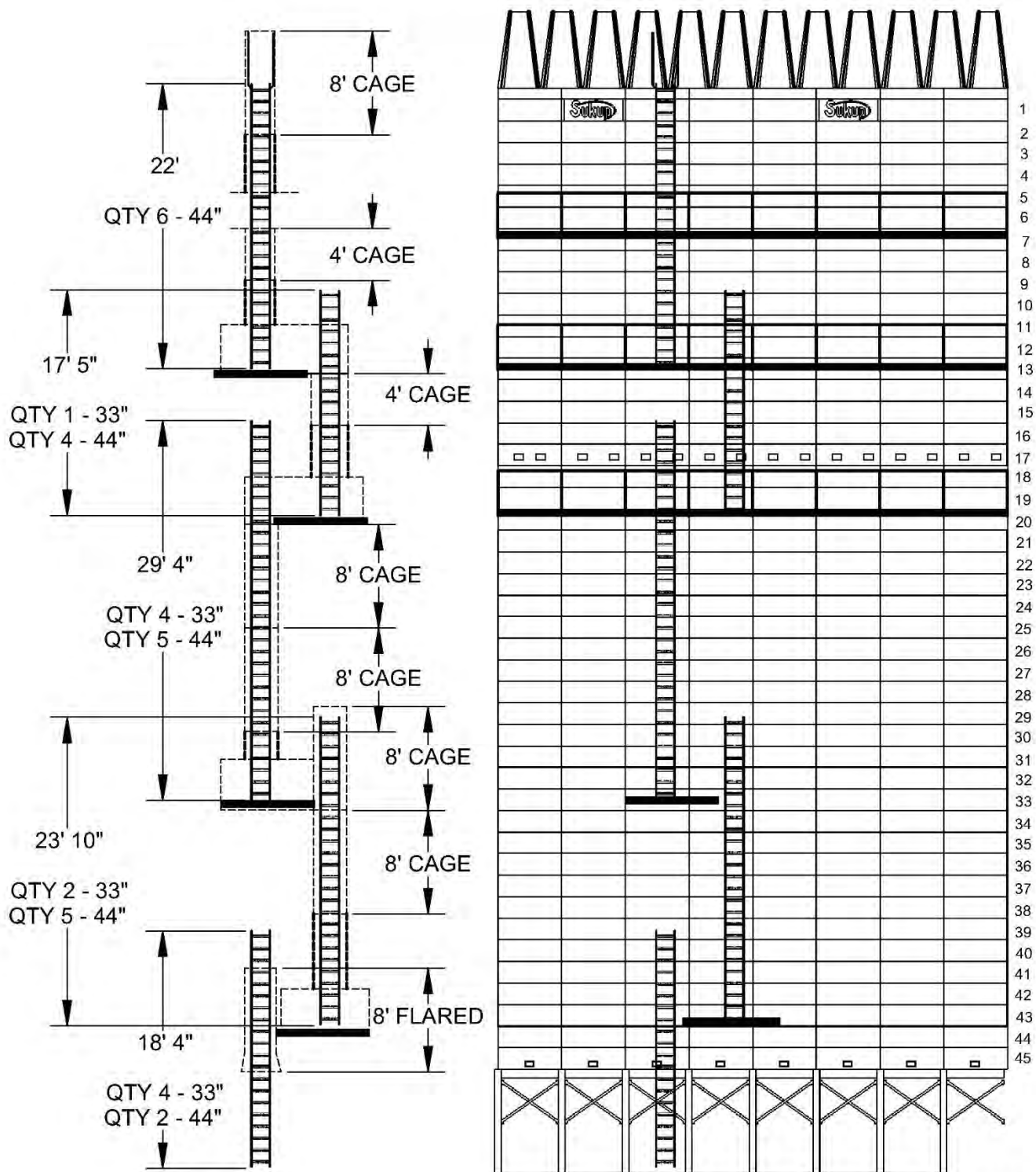
U2412 TOWER DRYER NATURAL GAS PIPE ROUTING FROM PIPE TRAIN TO BURNER MANIFOLD

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	J2420	NIPPLE, 3/4" X 2", SCH40
2	5	J2450	NIPPLE, 8" X 3", SCH 40, THREADED
3	1	J2498	TEE, 3" X 3" X 3" SCH 40
4	4	J2548	ELBOW, 3", 90 DEG.
5	1	J2558	COUPLER, RED, 3 X 2 1/2, SCH 40
6	1	J2589	3" X 3/4" BUSHING, REDUCER
7	3	J2711	UNION, 3", BLACK
8	1	J6083	VALVE, 3/4", BALL
9	1	J24432	NIPPLE, 2 1/2" X 5", SCH 40
10	2	U18221	PIPE, 3" X 138", SCH 40, THREADED
11	1	U183221	PIPE, 3" X 44", SCH 40, THREADED
12	1	U18323	PIPE, 2'-4", 3", SCH 40, THREADED



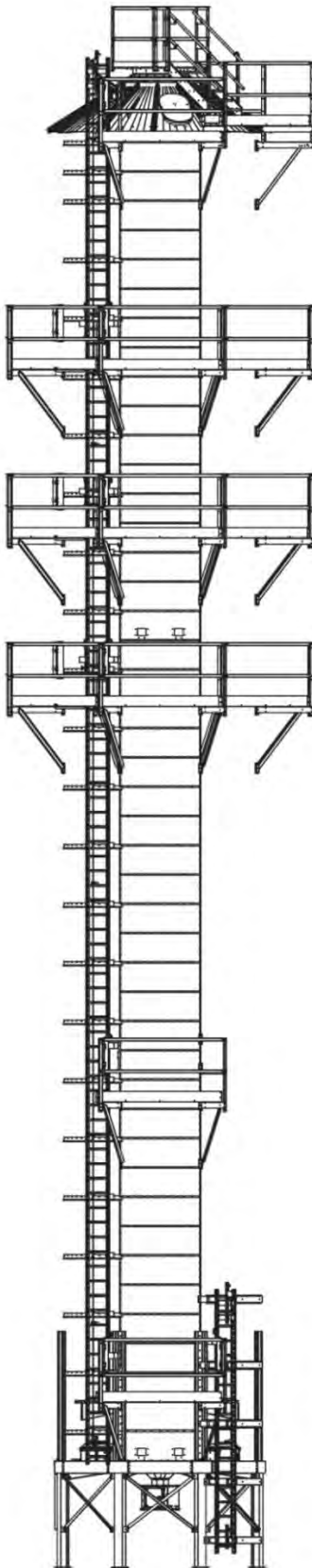
LADDER PLACEMENT, 2412 TOWER DRYER

Illustration below shows ladder and cage locations referring to a flat Tower Dryer view



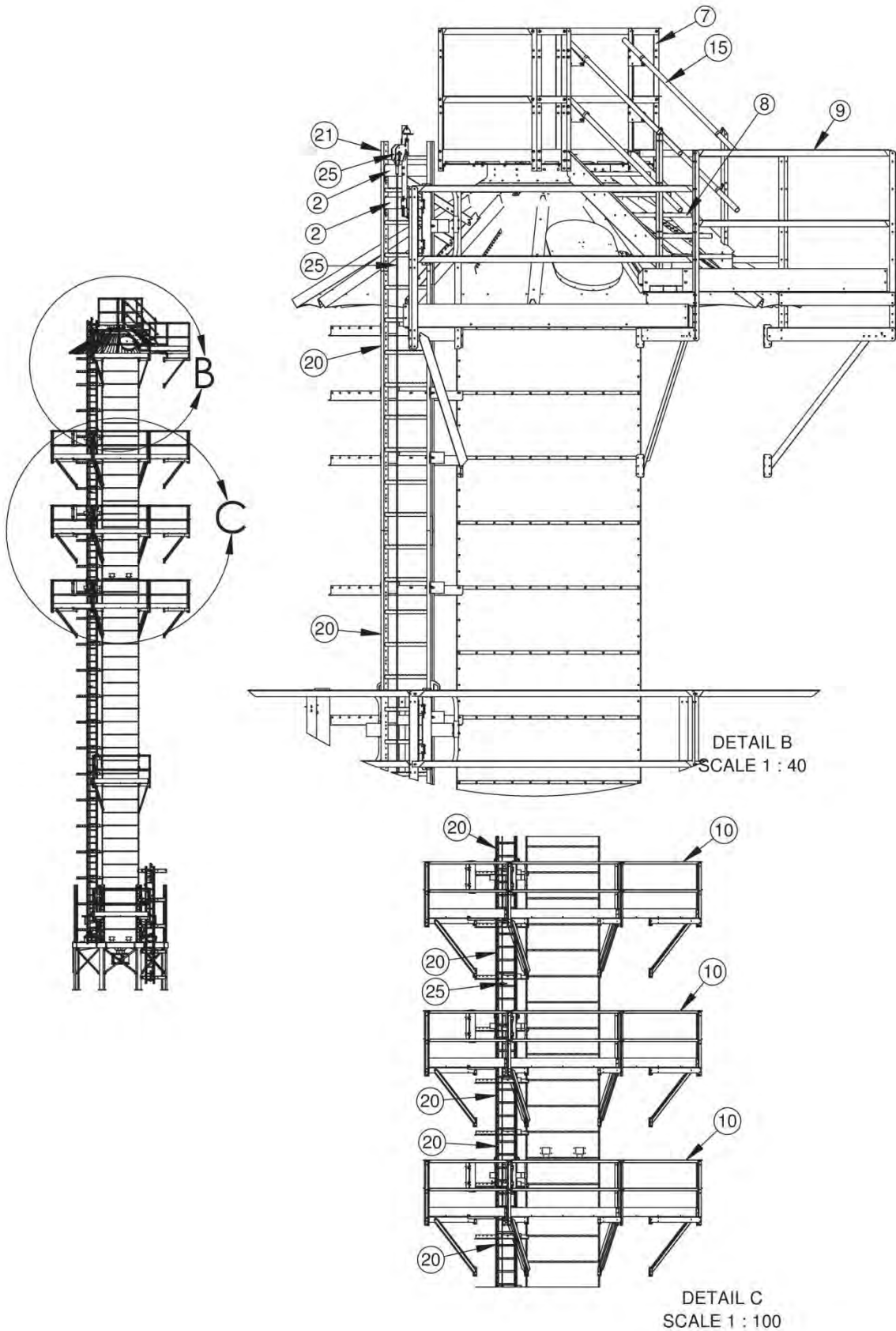
SWU2412
5/4/2011BAP

U2412 LADDERS & PLATFORMS w/FALL ARREST (Optional)

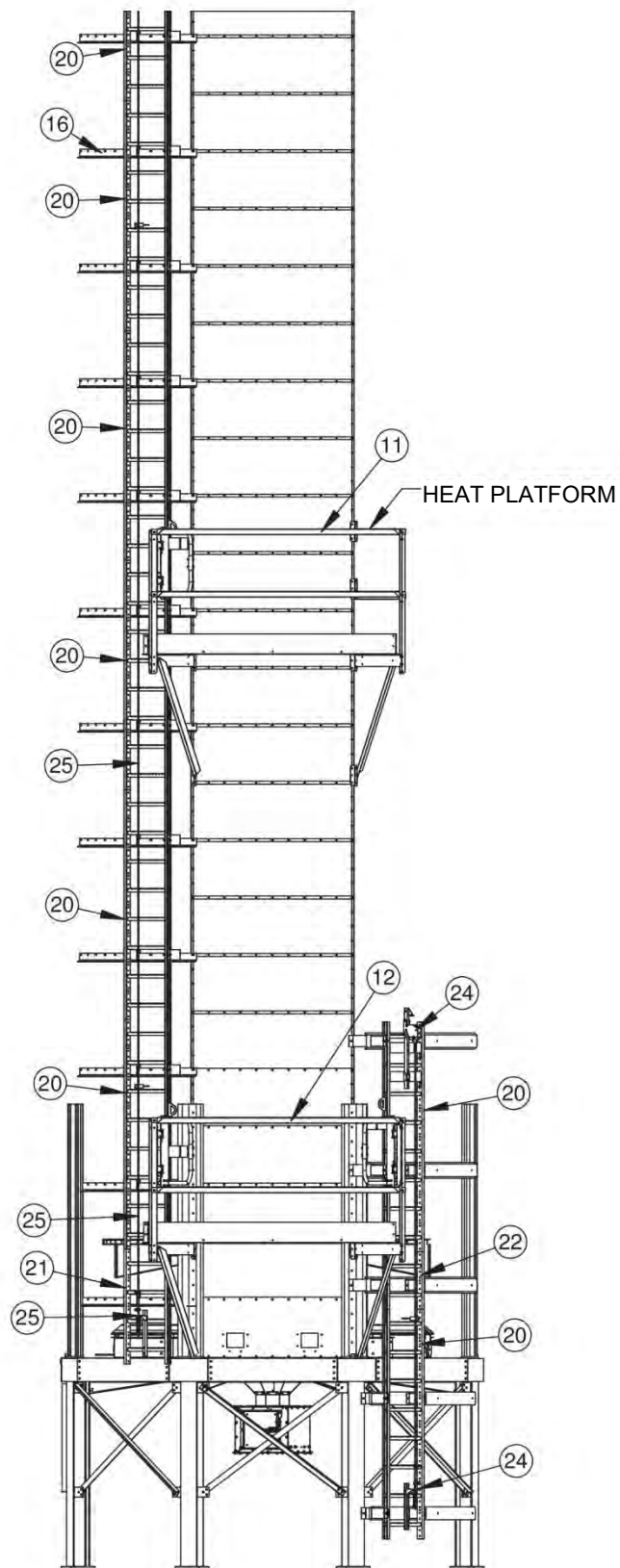


ITEM NO.	PART NO.	QTY.	DESCRIPTION
1	B50081	69	CLIP AND BOLT, LADDER
2	B5161	4	FALL PROTECTION,MOUNTING BRKT
3	B5162	9	FALL PROTECTING,TIE OFF RING
4	B5163	2	SPLICE, LADDER
5	T25545	26	SPLICE, LADDER
6	U10166	58	OUTSIDE LADDER BKT
7	U10225	1	GUARDRAIL,PEAK,ASSY
8	U12950	1	STAIRS,TWR DRYR,RF,12',L/MNHL
9	U12962	1	PARTS,LDDR,PLTFRM,2 SECT,EAVE
10	U12970	3	OUTSIDE DECK
11	U12975	1	LADDER PLATFORM
12	U12976	1	PASS THRU LADDER PLATFORM
13	U18815	3	LADDER STAND OFF BRACKET
14	U18816	2	LADDER STAND OFF BRACKET, BASE
15	U90170	4	HANDRAIL, 66", ROOF STAIRS, 12' TOWER DRYER
16	U90296	24	LADDER BRACKET MOUNT STIFFENER
17	U90325	1	ANCHOR BRACKET, RIB
18	U90326	2	BRACE,ANCHOR,SECT A
19	U90327	2	BRACE,ANCHOR,SECT B
20	U90330	13	LADDER, 80", 10" RUNG
21	U90331	2	LADDER, 40", 10" RUNG
22	U90333	1	LADDER, 20"
23	U90360	10	GATE STOP, LADDER MNT.
24	J23896	1	KIT,LAD-SAF,50',LDR&CABLE SYS
25	J23898	1	KIT,LAD-SAF,100',LDR&CABLE SYS

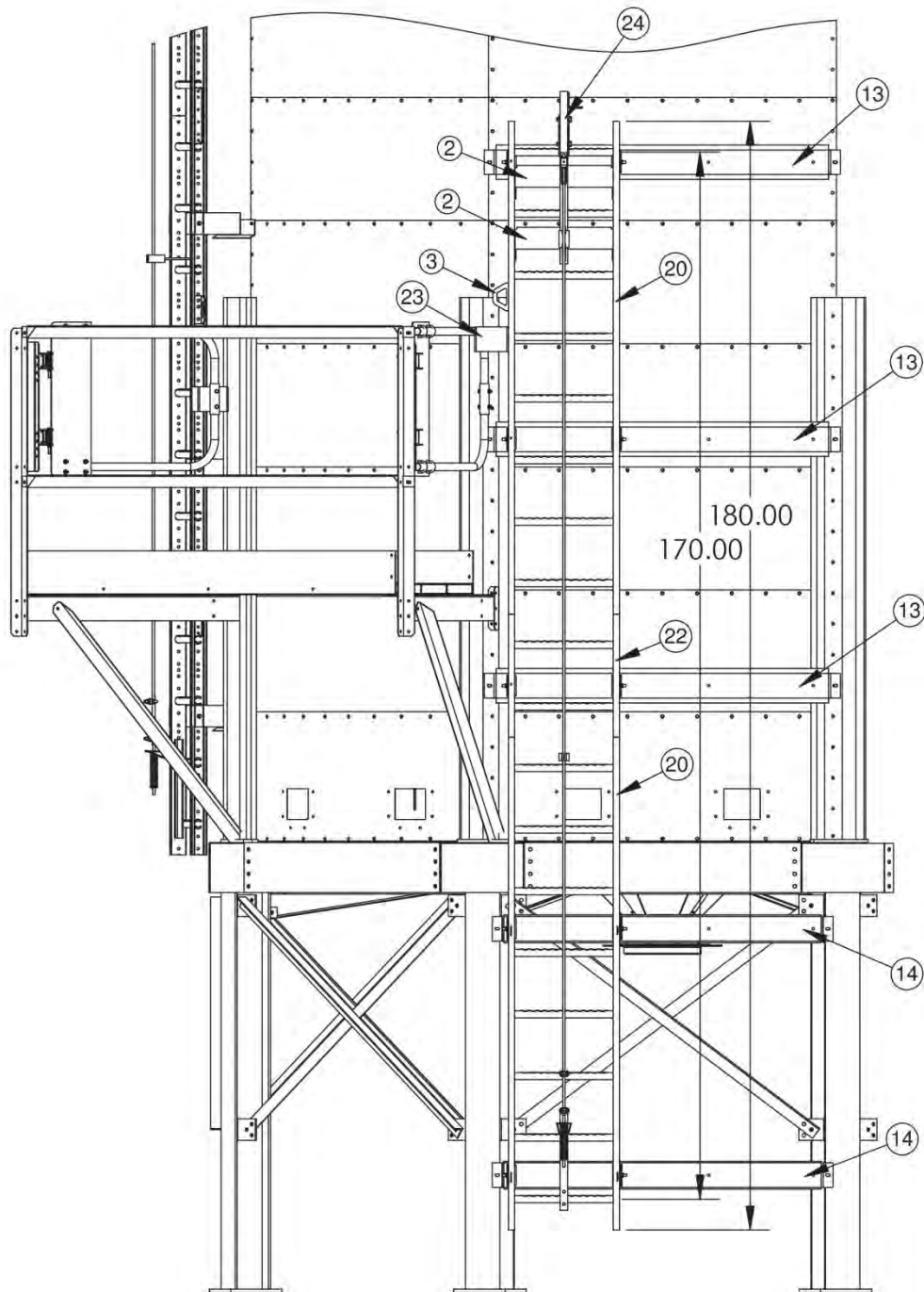
U2412 LADDERS & PLATFORMS w/FALL ARREST (Optional)



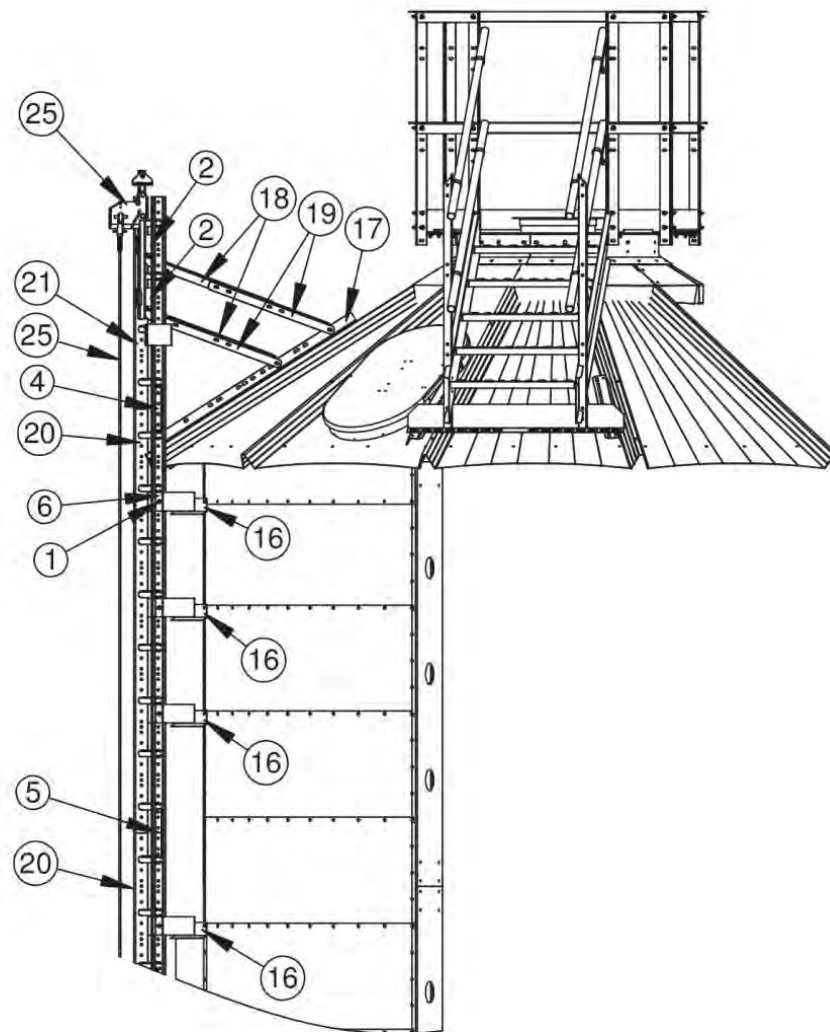
U2412 LADDERS & PLATFORMS w/FALL ARREST (Optional)



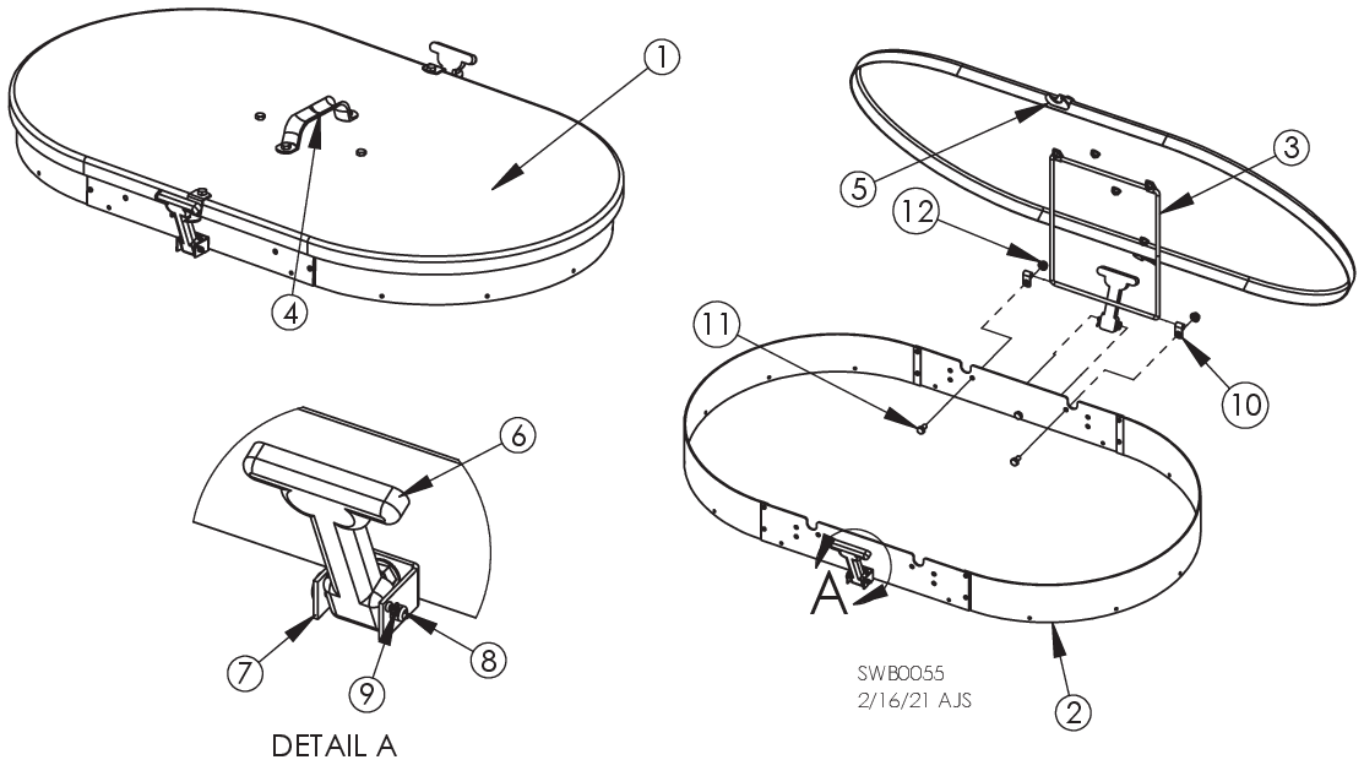
U2412 LADDERS & PLATFORMS w/FALL ARREST (Optional)



U2412 LADDERS & PLATFORMS w/FALL ARREST (Optional)



MANHOLE COVER ASSEMBLY (B5380)



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	B5381-FORMED	MANHOLE,COVER	1
2	B5384	MANHOLE RISER ASSEMBLY	1
3	B5387	HINGE,FRAME,MANHOLE	1
4	J3232	HANDLE,PULL,V4,VA FANS	1
5	B5388	BRKT,HOOD,HOPPER,TWO BENDS	2
6	J23073	LATCH,STRAP RUBBER	2
7	J23074	BRACKET, ANCHOR	2
8	J15443	PIN,PICKER 1/4 X 1 1/2	2
9	J1419	PIN, COTTER, 1/16 x 3/4,PLT	2
10	J5666	CLAMP,P,GALV,5/16	4
11	J0504	BOLT 1/4 - 20 X 1/2	10
12	J09923	NUT,1/4-20,FLANGE,SERRATED	10
13	J70955	VINYL EDGE GUARD	1

