

DESIGN DRAWINGS

Dry Filter

DFOCG-140814-NSB

OPEN FACE BOOTH, 14' W x 8' H x 14' L

Modular Buildings: Buildings which are constructed in factories and at other offsite locations and then shipped to Washington building sites must be approved by L&I. The building must have an L&I insignia prior to shipping from the factory. This includes equipment shelters that can be entered by personnel.

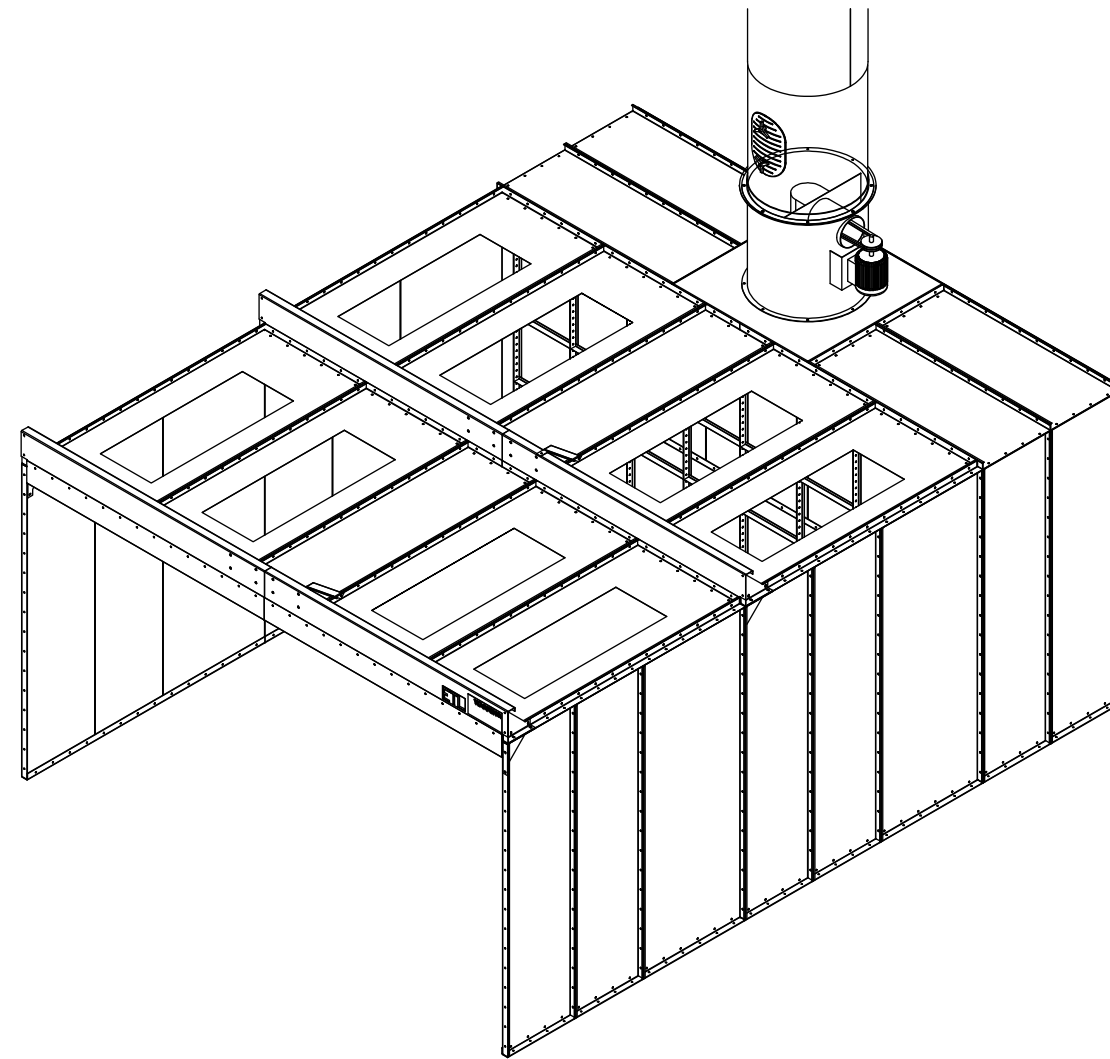
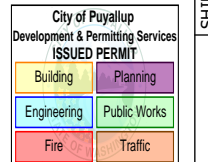


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OSSEO, WI 54758 USA
800-848-8738
globalfinishing.com

SHIP TO
CODEL DOOR
1601 INDUSTRIAL WAY
PUYALLUP, WA 98371



**City of Puyallup
Building
REVIEWED
FOR
COMPLIANCE**
BSnowden
12/03/2025
11:59:46 AM



The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

Full sized legible color plans are required to be provided by the permittee on site for inspection.

Approval of submitted plans is not an approval of omissions or oversights by this office or non compliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

SOLD TO
ADVANCED FINISHING SYSTEMS
7515 NE 33RD DRIVE
PORTLAND, OR 97211

ORDER/SERIAL NUMBER
U178152-C
DRAWING SET
R01
REVISION
0

PRCTI20251520

GENERAL STRUCTURAL NOTES

APPLY UNLESS NOTED ON DRAWINGS. IN CASE OF CONFLICT BETWEEN GSN, DETAILS AND PLANS, THE GREATER REQUIREMENTS GOVERN.

DESIGN INFORMATION:

BOOTH AND EQUIPMENT HAS BEEN DESIGNED BASED ON THE CURRENT EDITION OF THE INTERNATIONAL BUILDING CODE

RISK CATEGORY: II
SEISMIC IMPORTANCE FACTOR: IE=1

MAPPED SPECTRAL RESPONSE ACCELERATION:

S_s = 1.283
S₁ = 0.441

SITE CLASS: D (ASSUMED)

SPECTRAL RESPONSE COEFFICIENT:

S_{DS} = 1.027
S_{D1} = 0.547

SEISMIC DESIGN CATEGORY: D

SEISMIC-FORCE-RESISTING SYSTEMS:

STEEL ORDINARY MOMENT FRAMES (SINGLE STORY WITH DEAD LOAD TRIBUTARY TO ROOF DOES NOT EXCEED 20 PSF)
RESPONSE MODIFICATION FACTOR: R=3.50
SEISMIC RESPONSE COEFFICIENT: C_s=0.293

ALL OTHER SELF-SUPPORTING STRUCTURES, TANKS, OR VESSELS NOT COVERED ELSEWHERE IN TABLE 15.4-2
RESPONSE MODIFICATION FACTOR: R=1.25
SEISMIC RESPONSE COEFFICIENT: C_s=0.822

ANALYSIS PROCEDURE USED:

EQUIVALENT LATERAL FORCE PROCEDURE

BASIC WIND SPEED: 97 MPH

(PORTIONS OF EQUIPMENT THAT ARE OUTDOOR ONLY - IE STACKS AND STANDS)

BUILDING CATEGORY: INDOOR

EXPOSURE: C

DEAD LOADS: SELF-WEIGHT OF STRUCTURAL STEEL

IN ADDITION TO THE LOADS LISTED BELOW

INDUSTRIAL

- 5.0 PSF (ROOF)

- 3.5 PSF (WALLS)

- 3.5 PSF (PLENUM)

BOOTH ROOF LIVE LOADS: N/A PSF

LIVE LOADS: 300 LBS AT MIDPOINT OF FRAME BEAM

GROUND SNOW LOAD: 18 PSF

FDN INFORMATION:

ALL BEARING PLATES SUPPORTING THE BOOTH STRUCTURE MUST BE WITHIN 1/8" OF THE DESIGNATED DATUM POINT IN ACCORDANCE WITH ACI 117.1. GFS PERMITS SHIMMING UP TO 1/4" AT THE COLUMN BASES. ANY DEVIATIONS BEYOND THE SPECIFIED TOLERANCES THAT REQUIRE ADDITIONAL SHIMMING WILL BE CONSIDERED OUTSIDE THE SCOPE OF GFS U.N.O. IN THE DRAWINGS.

CAPACITY OF THE FDN/SLAB TO SUPPORT GFS BOOTHS AND EQUIPMENT IS NOT THE RESPONSIBILITY OF GFS.

ANCHORS INDICATED ARE BASED ON ASSUMPTIONS OF EXIST CONDITIONS (LISTED BELOW). THESE ASSUMPTIONS ARE MADE IN ORDER FOR GFS TO PROVIDE ANCHOR BOLT HOLES IN THE BASE PLATES AND PANELS. EXIST CONDITIONS SHOULD BE VERIFIED BY THE OWNER AND ANY DEVIATIONS SHOULD BE CONVEYED TO GFS PRIOR TO FABRICATION.

3/8"Ø SCREW ANCHOR - 3/8"Ø DEWALT SCREW-BOLT+ SCREW ANCHORS EMBEDDED 2 1/2" PER ICC ESR-3889 TO SECURE PANELS TO CONC. IN LIEU OF THE DEWALT ANCHOR, 3/8"Ø HILTI KWIK HUS-EZ SCREW ANCHORS EMBEDDED 2 1/2" PER ICC ESR-3027 MAY BE USED. EACH WALL/BAY IS REQUIRED TO HAVE ANCHORS AT 18" O.C. MAX, U.N.O. EACH WALL SHALL HAVE (1) ANCHOR 3" MAX FROM END OR CORNER AND A MIN OF (2) ANCHOR PER WALL/BAY. INSTALL ANCHORS PER MFR'S RECOMMENDATION. SEE DETAILS FOR ADDITIONAL INFORMATION. A PREAPPROVED ANCHOR WITH A CAPACITY EQUAL TO OR GREATER THAN THE SPECIFIED ANCHOR AND WITH A CURRENT ICC REPORT MAY BE USED IN LIEU OF THE ANCHOR SPECIFIED. ALL OTHER RESTRICTIONS (INCLUDING BUT NOT LIMITED TO EDGE DISTANCE AND EMBEDMENT) SHALL BE CONSIDERED.

3/8"Ø WEDGE ANCHOR - 3/8"Ø DEWALT POWER-STUD+ SD2 WEDGE ANCHORS EMBEDDED 2 3/8" MIN PER ICC ESR-2502. IN LIEU OF THE DEWALT ANCHOR, 3/8"Ø HILTI KWIK BOLT T22 WEDGE ANCHORS EMBEDDED 2 1/2" MIN PER ICC ESR-4266 MAY BE USED. SEE DETAILS FOR NUMBER OF ANCHORS REQUIRED AND ADDITIONAL INFORMATION. INSTALL ANCHORS PER MFR'S RECOMMENDATION. A PREAPPROVED ANCHOR WITH A CAPACITY EQUAL TO OR GREATER THAN THE SPECIFIED ANCHOR AND WITH A CURRENT ICC REPORT MAY BE USED IN LIEU OF THE ANCHOR SPECIFIED. ALL OTHER RESTRICTIONS (INCLUDING BUT NOT LIMITED TO EDGE DISTANCE AND EMBEDMENT) SHALL BE CONSIDERED.

ANCHOR SPECIFICATION IS BASED ON THE FOLLOWING ASSUMPTIONS OF EXIST CONDITIONS:

- MIN CONC COMPRESSIVE STRENGTH IS 2500 PSI.
- MIN SLAB DEPTH IS 4".

COLD-FORMED STEEL:

ALL COLD-FORMED STEEL MEETS THE REQUIREMENTS OF THE LATEST EDITION OF THE AISI SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS. ALL COLD-FORMED STEEL IS COMMERCIAL GRADE WITH A YIELD STRENGTH OF 32KSI AND A TENSILE STRENGTH OF 40KSI. 304 AND 316 STAINLESS STEEL PER ASTM A240 HAS A YIELD STRENGTH OF 25KSI AND A TENSILE STRENGTH OF 70KSI.

STRUCTURAL STEEL:

ALL STRUCTURAL STEEL FABRICATION AND CONSTRUCTION COMPLY WITH THE LATEST AISC HANDBOOKS AND CODES.

ALL STEEL IS ASTM A36, EXCEPT AS FOLLOWS:

- WIDE FLANGE SECTIONS - ASTM A992,
- PIPE SECTIONS - ASTM A53 GRADE B,
- HSS SECTIONS - ASTM A500 GRADE B
- BOLTS ARE A325-N AND SHALL BE SNUG-TIGHTENED.

WELDING:

WELDERS HOLD CURRENT VALID CERTIFICATES AND HAVE CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR. STRUCTURAL STEEL WELDING WITH LOW HYDROGEN TYPE, E70 AND E60 FOR LIGHT GAUGE STEEL. STRUCTURAL STEEL WELDING CONFORMS TO THE "STRUCTURAL WELDING CODES-STEEL" AWS D1.1, CURRENT EDITION.

Welding to be completed by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.

ROOF ACCESS RESTRICTIONS:

THE ROOFS OF GFS EQUIPMENT ARE NOT DESIGNED OR INTENDED TO BE WALKED UPON OR TO SUPPORT WEIGHT OF ANY KIND. AS DESIGNED AND MANUFACTURED, THE EQUIPMENT ROOFS DO NOT MEET THE MINIMUM REQUIREMENTS OF A SAFE WALKING AND/OR WORKING SURFACE UNDER OSHA 1910.22. UNDER NO CIRCUMSTANCES SHOULD THE ROOF BE USED BY MAINTENANCE PERSONNEL OR OTHERS FOR WALKING, STANDING, OR STORAGE OF ANY KIND.

WHEN NECESSARY, ROOF ACCESS SHOULD BE SECURED THROUGH THE USE OF A PROPERLY SUPPORTED PLATFORM THAT SATISFIES THE MINIMUM LOAD REQUIREMENTS SPECIFIED BY ASCE 7 (MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES) AND ASCE 37 (DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION).

ADDITIONALLY, PERSONNEL SHOULD ALWAYS UTILIZE APPROPRIATE FALL SAFETY PROTOCOLS WHEN USING AN ELEVATED PLATFORM. USE OF THE ROOF IN A CONTRARY MANNER MAY RESULT IN INJURY AND/OR DEATH.

SPECIAL INSPECTION INFORMATION:

SPECIAL INSPECTION SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK AND SHALL BE IN COMPLIANCE WITH IBC SECTION 1705:

1. POST-INSTALLED ANCHORS INTO HARDENED CONCRETE. PERIODIC INSPECTION REQUIRED.
2. HIGH STRENGTH BOLTING. OBSERVATION PRIOR TO AND DURING BOLTING IS NOT REQUIRED. EACH CONNECTION SHALL BE INSPECTED AFTER BOLTING.
3. FIELD WELDING. IF REQUIRED. RANDOM OBSERVATION PRIOR TO AND DURING WELDING. EACH WELD SHALL BE INSPECTED AFTER WELDING.
4. STRUCTURAL STEEL IN THE SEISMIC FORCE-RESISTING SYSTEMS

STATEMENT OF SPECIAL INSPECTION:

- A. THIS STATEMENT OF SPECIAL INSPECTIONS SHALL BE SUBMITTED IN ACCORDANCE WITH SECTION 1704.3 OF THE IBC.
- B. THIS STATEMENT SHALL INCLUDE A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT.

THE SPECIAL INSPECTOR(S) SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH INTERIM INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ON A BI-WEEKLY BASIS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTIONS OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AT THE CONCLUSION OF THE PROJECT.

THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO COMPLY WITH THE CONTRACT DOCUMENTS. JOBSITE SAFETY AND MEANS AND METHOD OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

OUTDOOR USE:

THE EQUIPMENT IN THESE DOCUMENTS ARE NOT DESIGNED FOR OUTDOOR USE. IN THE EVENT THAT SUCH APPLICATIONS AND/OR USES ARE CONTEMPLATED (IE ANY PORTION OF THE EQUIPMENT IS EXPOSED TO THE ELEMENTS, NOT INCLUDING STACKS), THE PURCHASER OF THE EQUIPMENT IS RESPONSIBLE FOR NOTIFYING GFS SO THAT ADDITIONAL STRUCTURAL ANALYSIS CAN BE PERFORMED AND THE NECESSARY MODIFICATIONS CAN BE MADE.

ABBREVIATIONS:

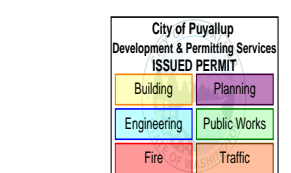
A.F.G.	-	ABOVE FINISH GRADE
AMU	-	AIR MAKE-UP UNIT
BLDG	-	BUILDING
CONC	-	CONCRETE
ESOW	-	EACH SIDE OF WEB
EXIST	-	EXISTING
FDN	-	FOUNDATION
GA	-	GAUGE
GR5	-	GRADE 5
IBC	-	INTERNATIONAL BUILDING CODE
LBS	-	POUNDS
MAX	-	MAXIMUM
MFR	-	MANUFACTURER
MIN	-	MINIMUM
NS/FS	-	NEAR SIDE AND FAR SIDE
O.C.	-	ON CENTER
OSHA	-	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PLF	-	POUNDS PER LINEAR FOOT
PSF	-	POUNDS PER SQUARE FOOT
T/B	-	TOP AND BOTTOM
TYP	-	TYPICAL
U.N.O. OR UNO	-	UNLESS NOTED OTHERWISE
WF	-	WIDE FLANGE

GLOBAL FINISHING SOLUTIONS
12731 NORWAY ROAD
OSSEO, WI 54758 USA
800-848-8738
globalfinishing.com

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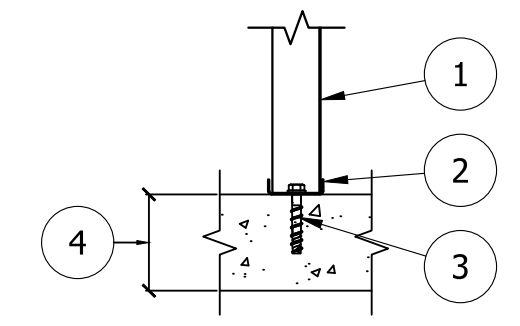
SCALE	NTS
DRAWN BY	TL
DATE	7/28/2025
REVIEW BY	CRM
REVIEW DATE	7/31/2025

MODEL INFO	SE-NOTES	SHIP TO	CODEL DOOR
GENERAL STRUCTURAL NOTES		1601 INDUSTRIAL WAY	
		PUYALLUP, WA 98371	
		ADVANCED FINISHING SYSTEMS INC.	
		7515 NE 33RD DRIVE	
		PORTLAND, OR 97211	
		ORDER/SERIAL NUMBER	
		U178152-C	
		DRAWING SET	REVISION
		R01	0
		DRAWING	
		01	



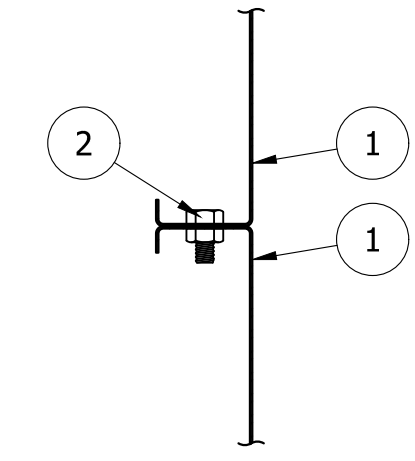
PRCT120251520

- 1. FILTER RACK.
- 2. FLOOR CHANNEL. FIELD DRILL AS NECESSARY FOR ANCHOR INSTALLATION
- 3. SEE 3/8"φ SCREW ANCHOR NOTE ON GSN.
- 4. EXIST SLAB ON GRADE. 4" MIN CONC THICKNESS. VERIFICATION OF SLAB NOT BY GFS.



DF5B FILTER RACK / FLOOR CHANNEL TO SLAB CONNECTION

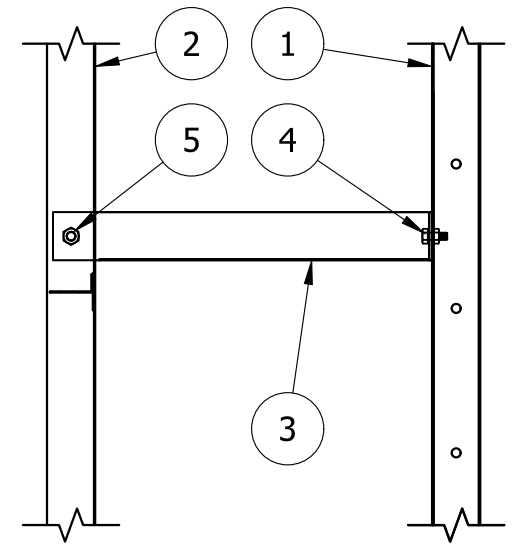
- 1. SINGLE SKIN PANEL.
- 2. 5/16"φ A307 BOLTS AT 6" O.C. TYP.



SCALE
3" = 1'-0"

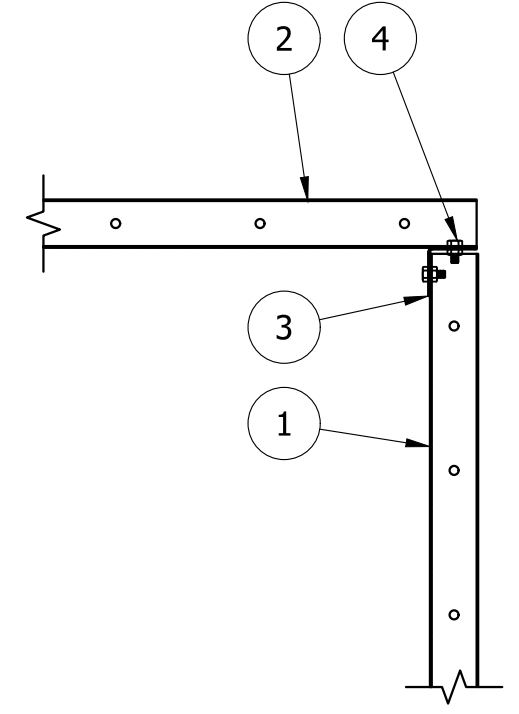
DF1 PANEL TO PANEL CONNECTION

- 1. SINGLE SKIN WALL PANEL.
- 2. FILTER RACK FRAMING.
- 3. 18GA STRUT.
- 4. (2) 5/16"φ A307 BOLTS.
- 5. (1) 5/16"φ A307 BOLT.



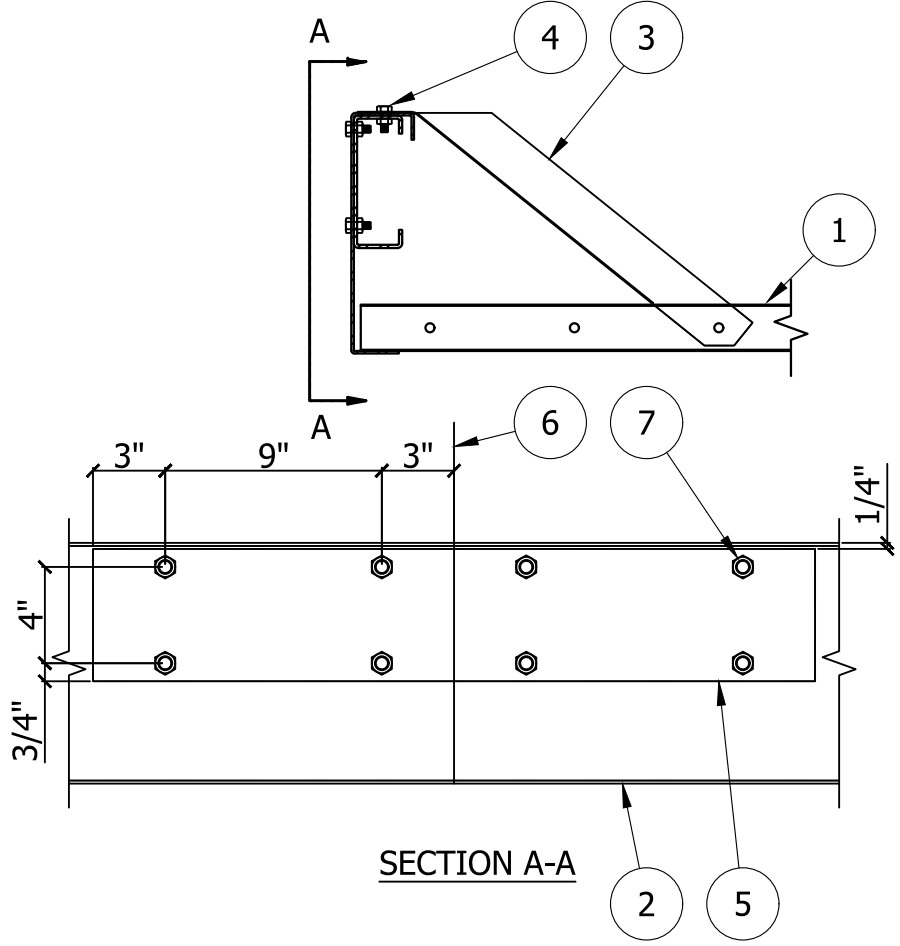
DF5B FILTER RACK TO WALL STRUT

- 1. SINGLE SKIN WALL PANEL.
- 2. SINGLE SKIN BOOTH ROOF PANEL.
- 3. TIE ANGLE - 2x2x14GA.
- 4. 5/16"φ BOLTS AT 6" O.C. TYP WHERE SHOWN.



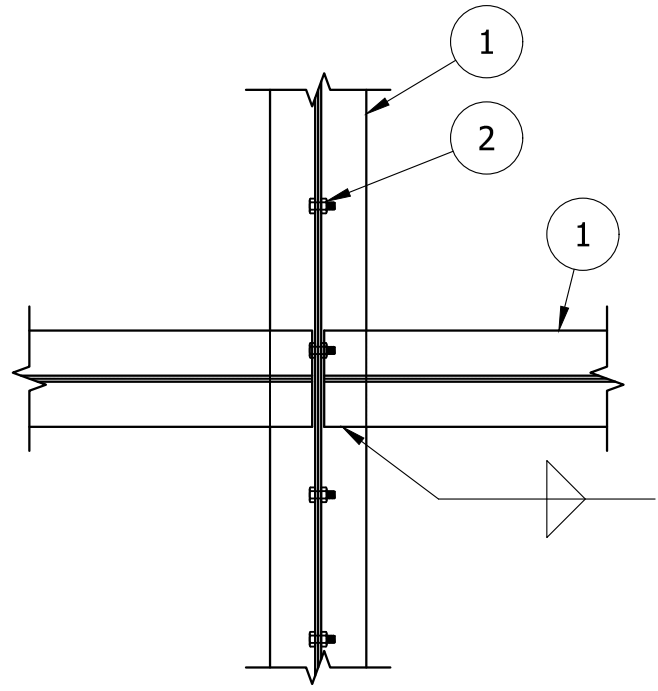
DF1 PANEL TO PANEL CONNECTION

- 1. SINGLE SKIN BOOTH ROOF PANEL.
- 2. 12GA "J" BEAM x 10" DEEP.
- 3. 18GA BRACE - LOCATE BETWEEN PANELS NEAREST TO MID-SPAN.
- 4. 5/16"φ A307 BOLT - FIELD DRILL.
- 5. 10GA SPLICE CHANNEL x 5 1/2" DEEP x 30" LONG.
- 6. MID-SPAN.
- 7. (4) 1/2"φ A325 BOLTS EACH SIDE OF SPLICE.



DF4A FILTER RACK TO WALL STRUT

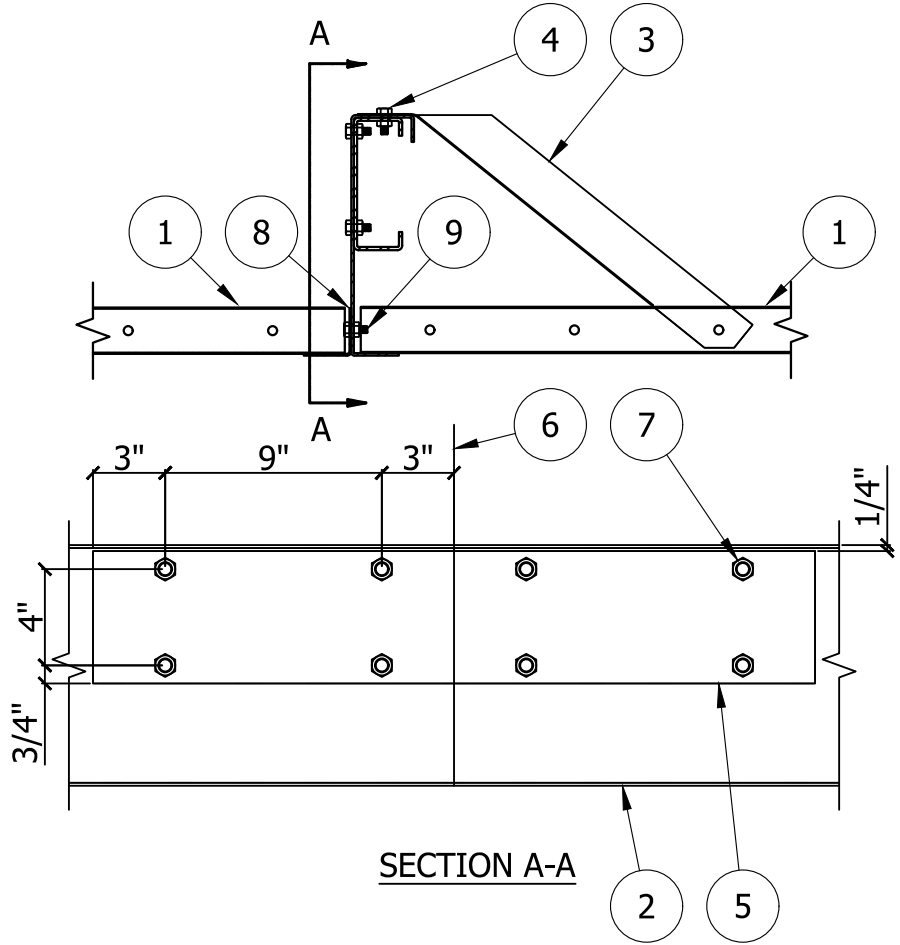
- 1. FILTER RACK FRAMING.
- 2. 5/16"φ A307 BOLTS AT 6" O.C.



DF3C WALL/ROOF TIE

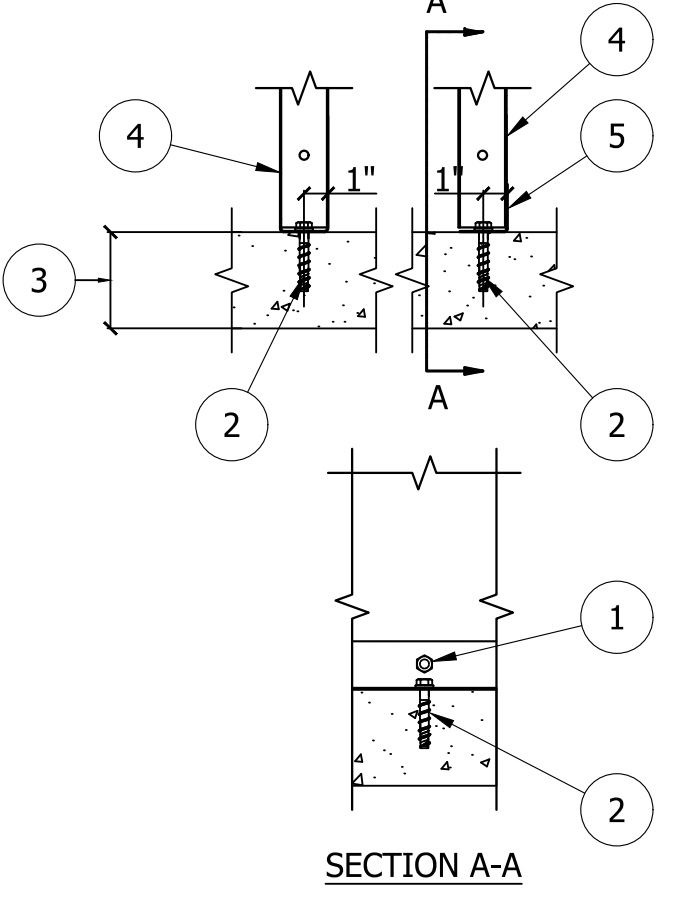
Welding to be completed by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.

- 1. SINGLE SKIN BOOTH ROOF PANEL.
- 2. 12GA "J" BEAM x 10" DEEP.
- 3. 18GA BRACE - LOCATE BETWEEN PANELS NEAREST TO MID-SPAN.
- 4. 5/16"φ A307 BOLT - FIELD DRILL.
- 5. 10GA SPLICE CHANNEL x 5 1/2" DEEP x 30" LONG.
- 6. MID-SPAN.
- 7. (4) 1/2"φ A325 BOLTS EACH SIDE OF SPLICE.
- 8. BENT SHEET LEDGER ANGLE - 2x2x14GA.
- 9. 5/16"φ BOLTS AT 6" O.C.



DF2A ROOF BEAM (WW GREATER THAN 10FT AND UNDER 20FT)

- 1. MAY NEED TO REMOVE BOLT AND NUT FOR INSTALLATION OF ANCHOR.
- 2. SEE 3/8"φ SCREW ANCHOR NOTES ON GSN.
- 3. EXIST SLAB ON GRADE. 4" MIN CONC THICKNESS. VERIFICATION OF SLAB NOT BY GFS.
- 4. SINGLE SKIN PANEL.
- 5. BASE TIE ANGLE



DF4B FILTER RACK

- 1. SINGLE SKIN BOOTH ROOF PANEL.
- 2. 12GA "J" BEAM x 10" DEEP.
- 3. 18GA BRACE - LOCATE BETWEEN PANELS NEAREST TO MID-SPAN.
- 4. 5/16"φ A307 BOLT - FIELD DRILL.
- 5. 10GA SPLICE CHANNEL x 5 1/2" DEEP x 30" LONG.
- 6. MID-SPAN.
- 7. (4) 1/2"φ A325 BOLTS EACH SIDE OF SPLICE.
- 8. BENT SHEET LEDGER ANGLE - 2x2x14GA.
- 9. 5/16"φ BOLTS AT 6" O.C.

DF2B ROOF BEAM (WW GREATER THAN 10FT AND UNDER 20FT)

DF5A PANEL OR TIE ANGLE TO SLAB CONNECTION

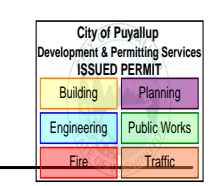
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SCALE	DATE	REVIEW BY	REVIEW DATE
NTS	7/28/2025	CRM	7/31/2025
DRAWN BY	DATE	REVIEW BY	REVIEW DATE
TL	7/28/2025	CRM	7/31/2025

SHIP TO	MODEL INFO
CODEL DOOR	SE-DETAILS
1601 INDUSTRIAL WAY	STANDARD DETAILS
PUYALLUP, WA 98371	

SOLD TO	ORDER/SERIAL NUMBER
ADVANCED FINISHING SYSTEMS INC.	U178152-C
7515 NE 33RD DRIVE	DRAWING SET
PORTLAND, OR 97211	R01
	REVISION
	0



PRCT120251520

DRAWING 02

- NOTE:
1. BOOTH IS FABRICATED FROM 18 GAGE GALVANIZED SHEET STEEL; PRE-PUNCHED AND COMPANION FLANGED FOR BOLT TOGETHER ASSEMBLY.
 2. SOLENOID VALVE REQUIRED FOR INTERLOCKING SPRAY AIR WITH LIGHT LIMIT SWITCH AND EXHAUST. (VALVE CAN BE ORDERED AS AN OPTION FROM GFS)
 3. DUCT SUPPORT NOT SUPPLIED OR DESIGNED BY GFS. EQUIPMENT IS NOT DESIGNED TO SUPPORT DUCT. DUCT SUPPORTS SHALL BE DESIGNED TO RELIEVE THE EQUIPMENT OF ALL DUCT LOAD.
 4. WALL SHUTTER, IF APPLICABLE, DOES NOT MEET NFPA CODE. DISCHARGE POINT MUST BE 6' FROM EXTERIOR WALL OR ROOF.
 5. INCLUDED BUT NOT SHOWN:
 - (1) MANOMETER
 - (1) 1/2" SOLENOID VALVE
 6. CONTROLS FOR "C" INCLUDED ON "F".

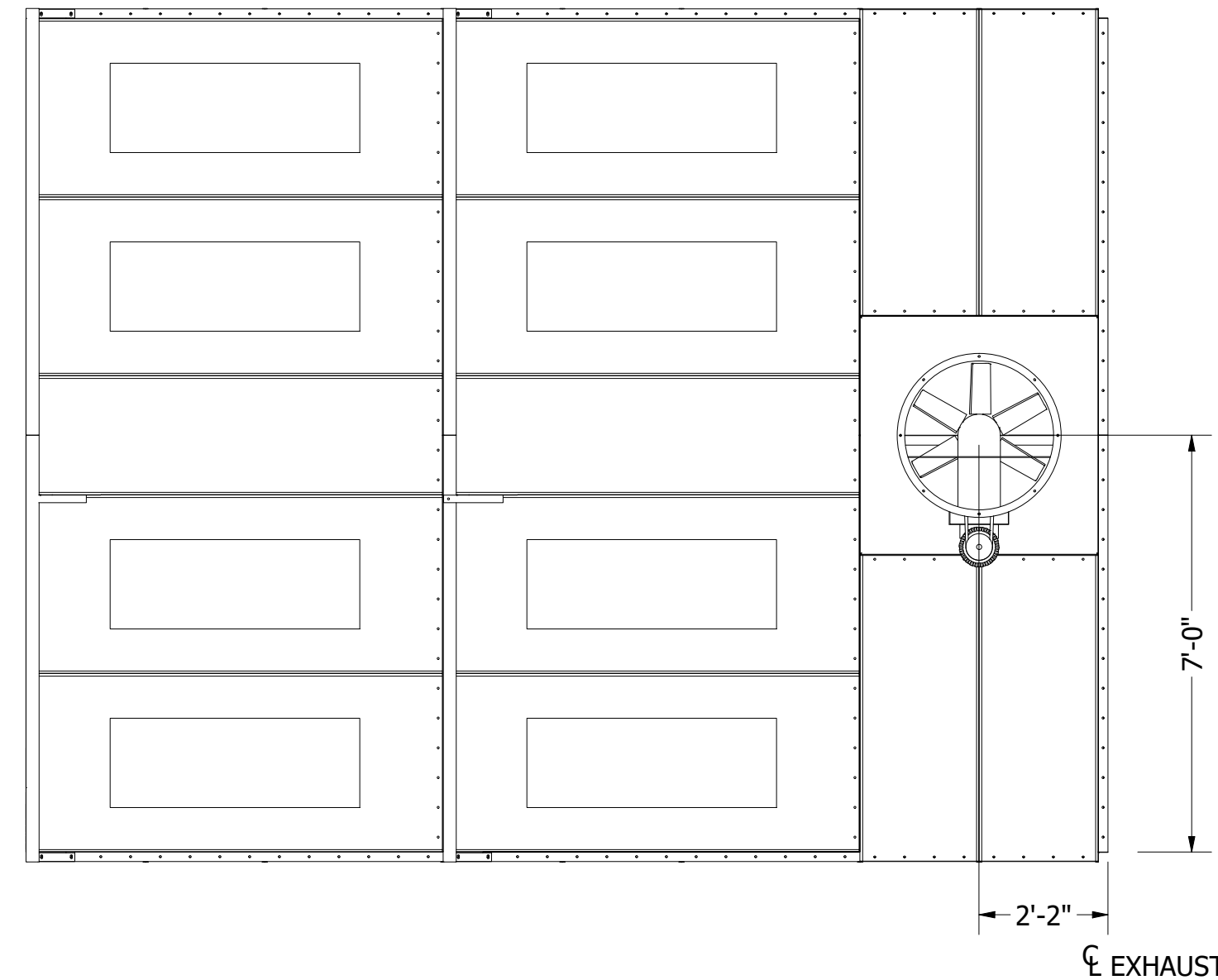
EXHAUST DUCT SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES.

NATIONAL FIRE PREVENTION ASSOCIATION

- AIR EXHAUSTED TO THE ATMOSPHERE FROM LIQUID SPRAY OPERATIONS SHALL BE CONDUCTED BY DUCTS DIRECTLY TO THE OUTSIDE OF THE BUILDING.
- EXHAUST DUCTS SHALL FOLLOW THE MOST DIRECT ROUTE TO THE POINT OF DISCHARGE BUT SHALL NOT PENETRATE A FIRE WALL.
- THE EXHAUST DISCHARGE SHALL BE DIRECTED AWAY FROM ANY FRESH AIR INTAKES.
- THE EXHAUST DUCT SHALL BE AT LEAST 6 FT. (1830 MM) FROM ANY EXTERIOR WALL OR ROOF.
- THE EXHAUST DUCT SHALL NOT DISCHARGE IN THE DIRECTION OF ANY COMBUSTIBLE CONSTRUCTION THAT IS WITHIN 25 FT. (7625 MM) OF THE EXHAUST DUCT DISCHARGE POINT NOR SHALL IT DISCHARGE IN THE DIRECTION OF ANY UNPROTECTED OPENING IN ANY NONCOMBUSTIBLE OR LIMITED-COMBUSTIBLE CONSTRUCTION THAT IS WITHIN 25 FT. (7625 MM) OF THE EXHAUST DUCT DISCHARGE POINT.

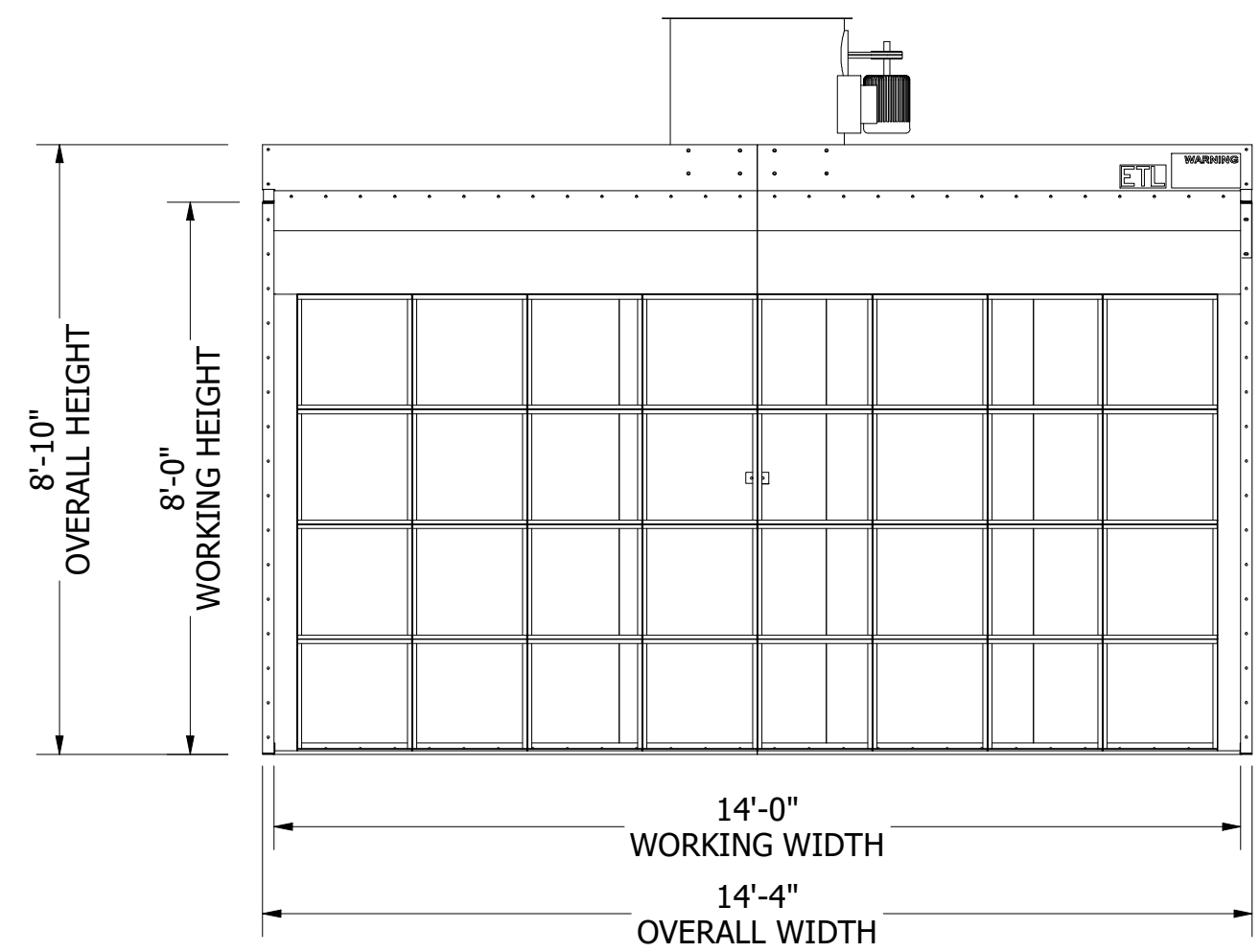
INTERNATIONAL FIRE CODE

- THE TERMINATION POINT FOR EXHAUST DUCTS DISCHARGING TO THE ATMOSPHERE SHALL NOT BE LESS THAN THE FOLLOWING DISTANCES:
- DUCTS CONVEYING EXPLOSIVE OR FLAMMABLE VAPORS, FUMES OR DUSTS: 30 FT. (9144 MM) FROM THE PROPERTY LINE; 10 FT. (3048 MM) FROM OPENINGS INTO THE BUILDING; 6 FT. (1830 MM) FROM EXTERIOR WALLS OR ROOFS; 30 FT. (9144 MM) FROM COMBUSTIBLE WALLS OR OPENINGS INTO THE BUILDING WHICH ARE IN THE DIRECTION OF THE EXHAUST DISCHARGE; 10 FT. (3048 MM) ABOVE THE ADJOINING GRADE.

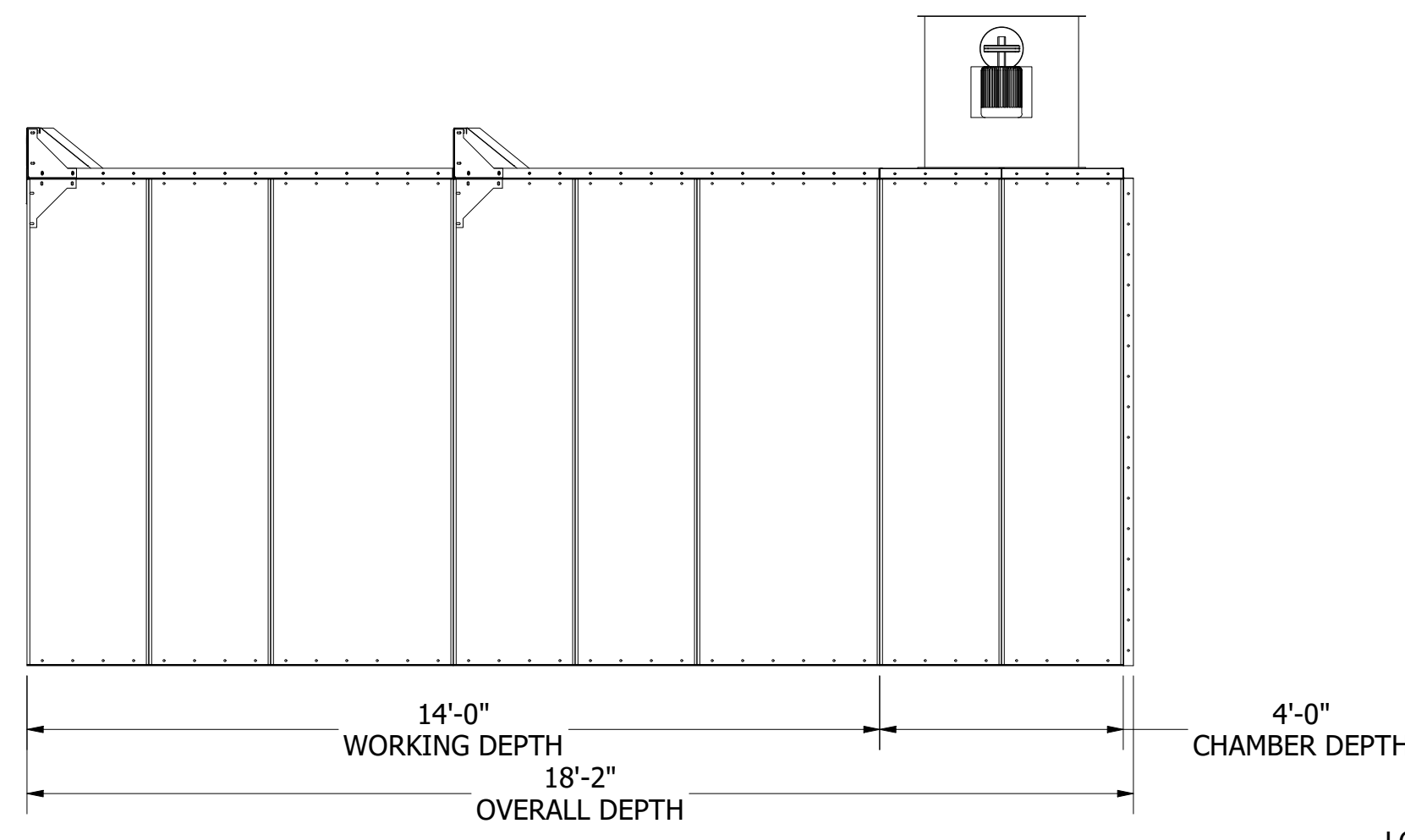


PLAN VIEW

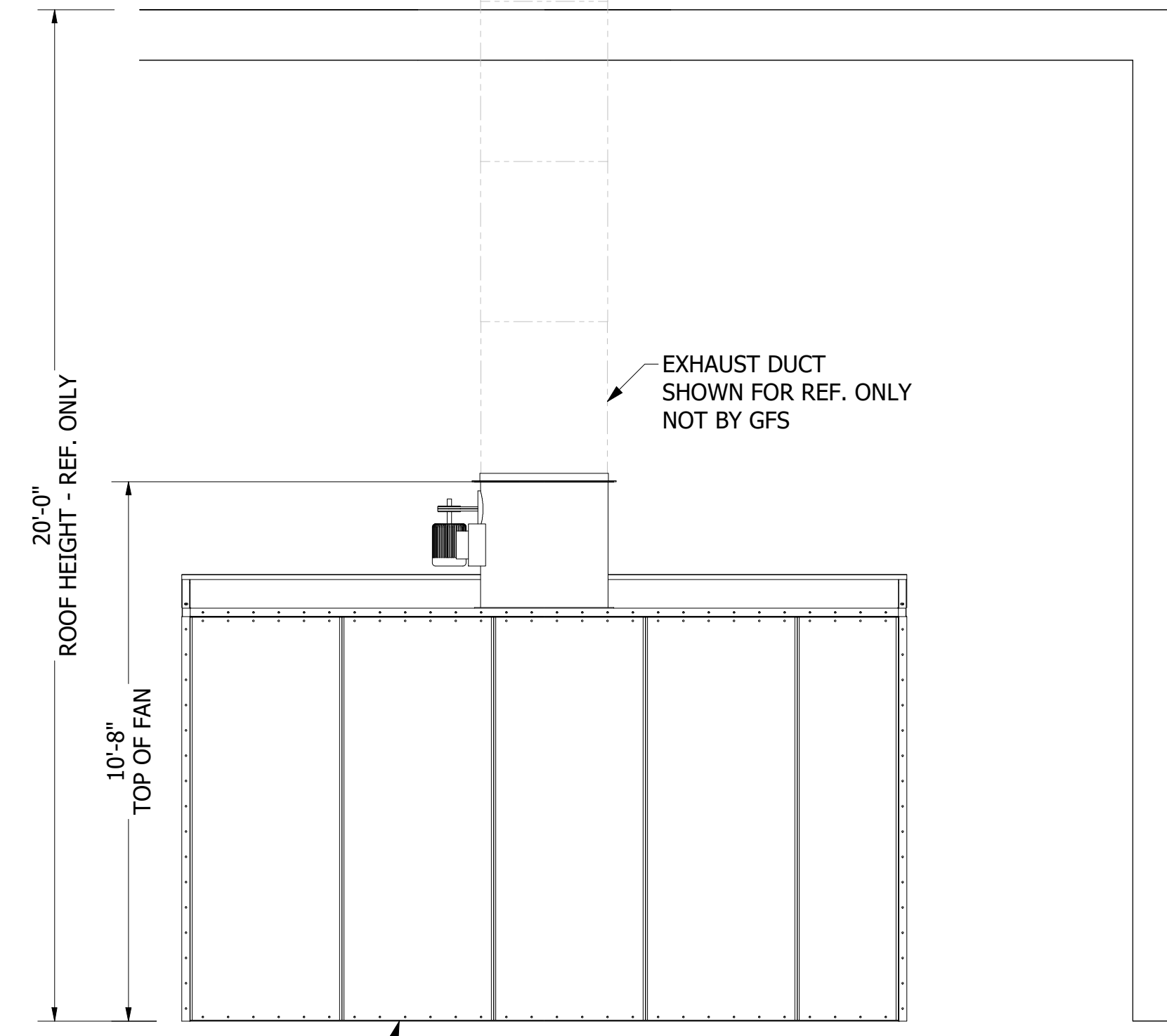
THE EXHAUST FAN HAS BEEN SIZED WITH AN EXTERNAL STATIC PRESSURE (ESP) OF: 0.50", OF WHICH, AN ALLOWANCE OF 0.50" OF STATIC PRESSURE HAS BEEN MADE AVAILABLE FOR CUSTOMER PROVIDED DUCT. IF THE DUCT ALLOWANCE IS NOT ACCURATE, PLEASE CONSULT GFS FOR RESIZING OF THE FAN(S).



FRONT ELEVATION



SIDE ELEVATION



BACK ELEVATION

LOCATE FIRST ANCHOR 3" FROM END OF PIER, SECOND ANCHOR 3" O.C. FROM FIRST, REST AT 18" O.C.

DUCTWORK SHOWN IS FOR REPRESENTATION ONLY. DUCTWORK CAN BE PURCHASED AS ADDITIONAL EQUIPMENT FROM GFS.

See AFS drawings. Job #756S

BOOTH EQUIPMENT SPECIFICATIONS

EXHAUST FAN	
PART #	FAN-30VP-050T3T
DIAMETER	30
TOTAL CFM	11200
STATIC PRESSURE	1
HORSEPOWER	5
VOLTAGE	460
PHASE	3
ENCLOSURE	TEFC
QUANTITY	1
LIGHTS	
PART #	LABW12-4-LED
SIZE	48
TUBES - INCLUDED	4
TYPE	LED
VOLTAGE	120/277
RATING	CLASS 1 DIV. 2
ACCESS	INSIDE
QUANTITY	8
INTAKE FILTERS	
PART #	NA
SIZE	NA
QUANTITY	NA
EXHAUST FILTERS	
PART #	FIL-EPP-2020-W
SIZE	20X20X2
QUANTITY	32
FRONT DOOR	
SIZE	NA
TYPE	NA
STYLE	NA
REAR DOOR	
SIZE	NA
TYPE	NA
STYLE	NA
PERSONNEL DOOR	
SIZE	NA
TYPE	NA
QUANTITY	NA
ELECTRICAL INFO	
OPERATING VOLTAGE	480 VOLT 3PH 4W 60HZ
FULL LOAD AMPS	55
LARGEST MOTOR HP	20
TOTAL HP	35
LIGHTING VOLTAGE	277
68 AMP MIN SERVICE REQ	

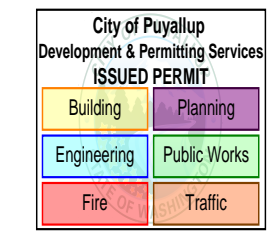
CONTROLS FOR "F" SHOWN HERE FOR CLARITY

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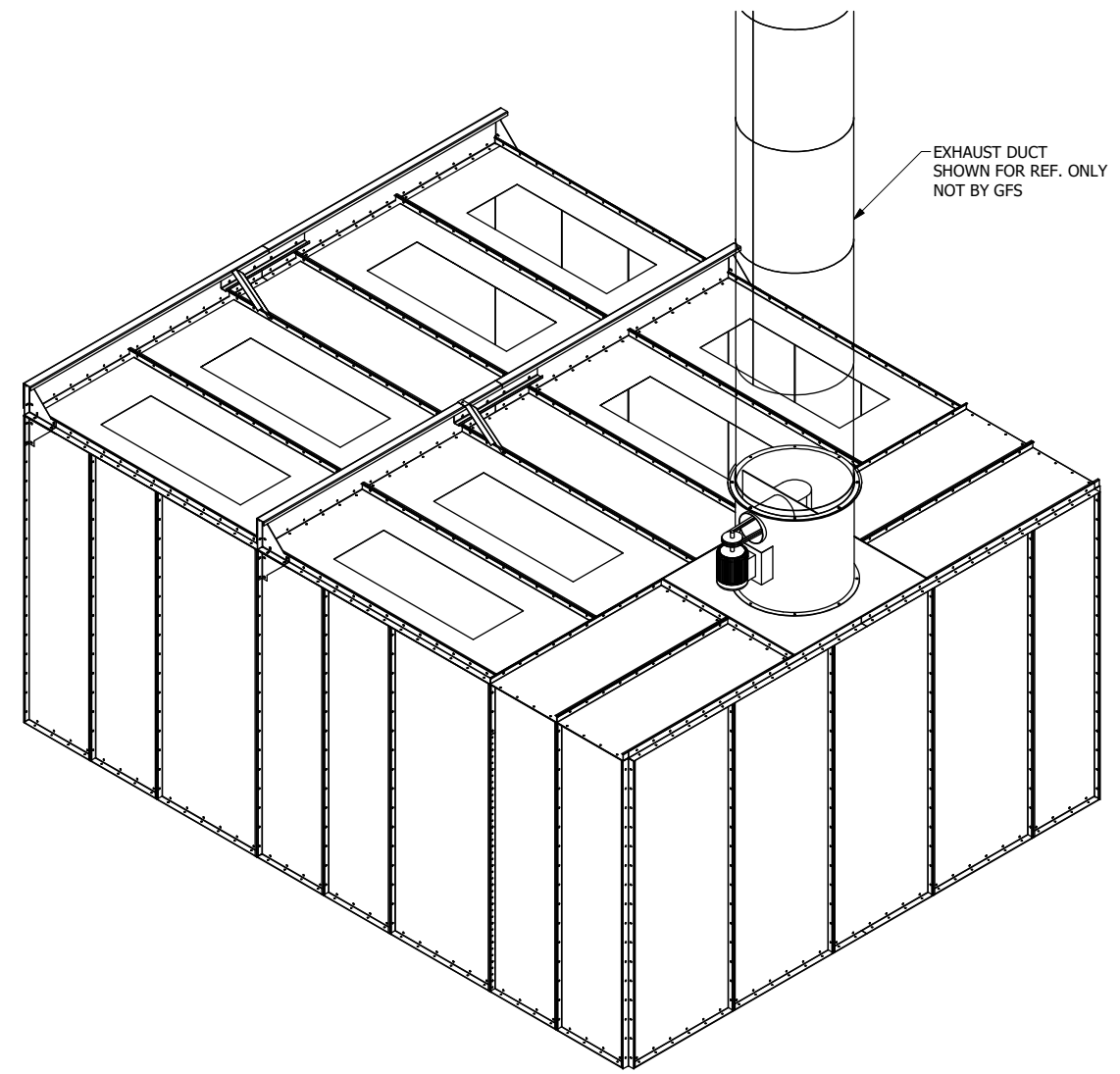
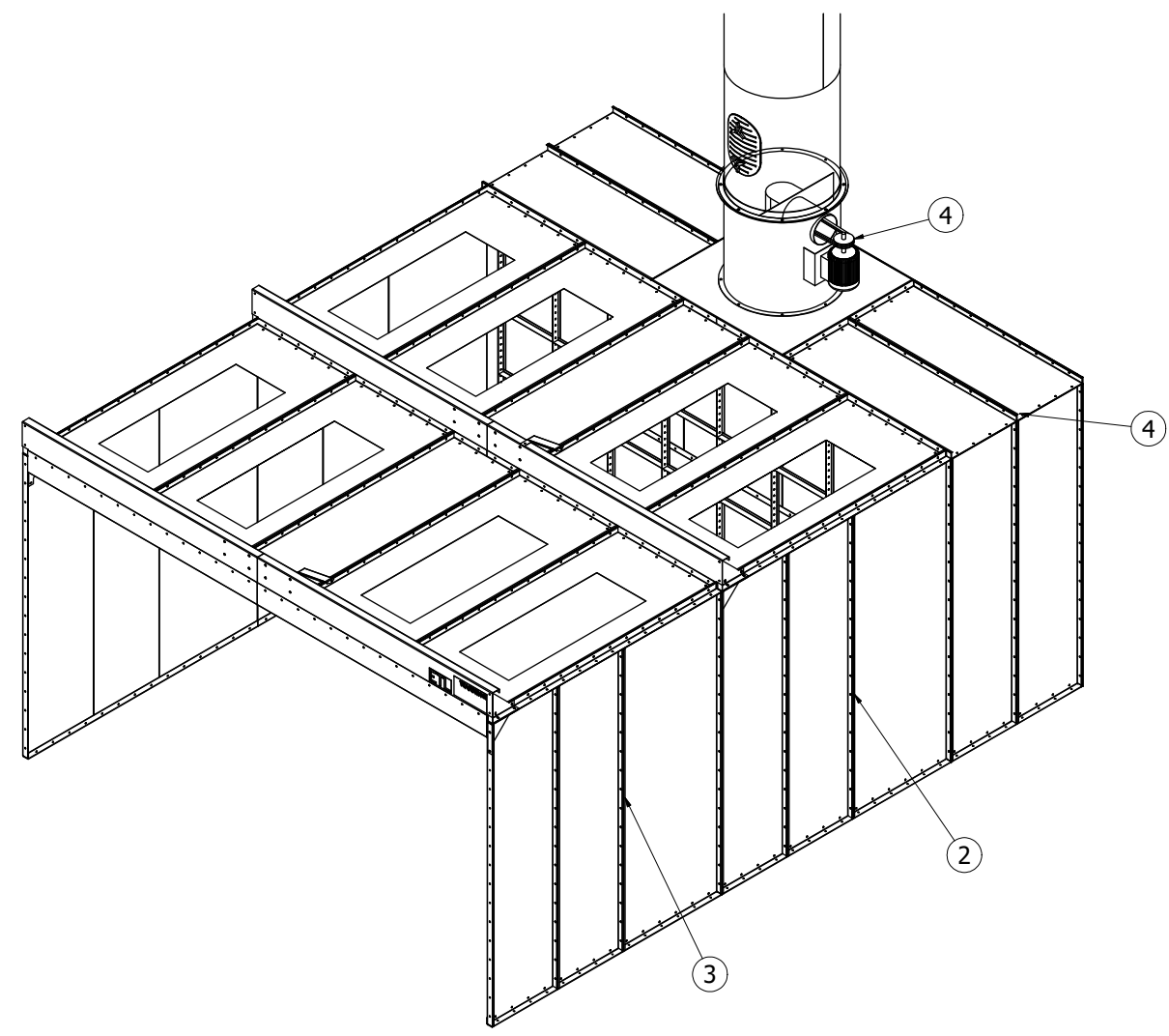
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DRAWN BY	TL
DATE	7/28/2025
REVIEW BY	CRM
REVIEW DATE	7/31/2025

MODEL INFO	U178152-C-R01
OVERALL ASSEMBLY	
SHIP TO	CODEL DOOR 1601 INDUSTRIAL WAY PUYALLUP, WA 98371
SOLD TO	ADVANCED FINISHING SYSTEMS INC. 7515 NE 33RD DRIVE PORTLAND, OR 97211
ORDER/SERIAL NUMBER	U178152-C
DRAWING SET	R01
REVISION	3
DRAWING	03



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SKID	ITEM	QTY	PART NUMBER	NEW PART NUMBER	DESCRIPTION	MATERIAL	LBS. EACH
	2	1	CA-BAY-01	CA-BAY-01	BAY ASSEMBLY		579
	3	1	CA-BAY-02	CA-BAY-02	BAY ASSEMBLY		600
	4	1	CA-EX-01	CA-EX-01	EXHAUST CHAMBER ASSEMBLY		827
C6	4	1	FAN-30VP-050T3T	1008284	FAN VP 30.000 DIA 5 HP 208-230/460V 3PH TEFC	-	225



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REVIEW DATE	7/31/2025

MODEL INFO
 U178152-C-R01
 OVERALL ASSEMBLY

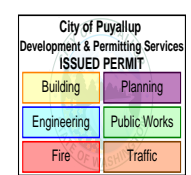
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 ADVANCED FINISHING SYSTEMS INC.
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 PORTLAND, OR 97211

ORDER/SERIAL NUMBER
 U178152-C

DRAWING SET
 R01

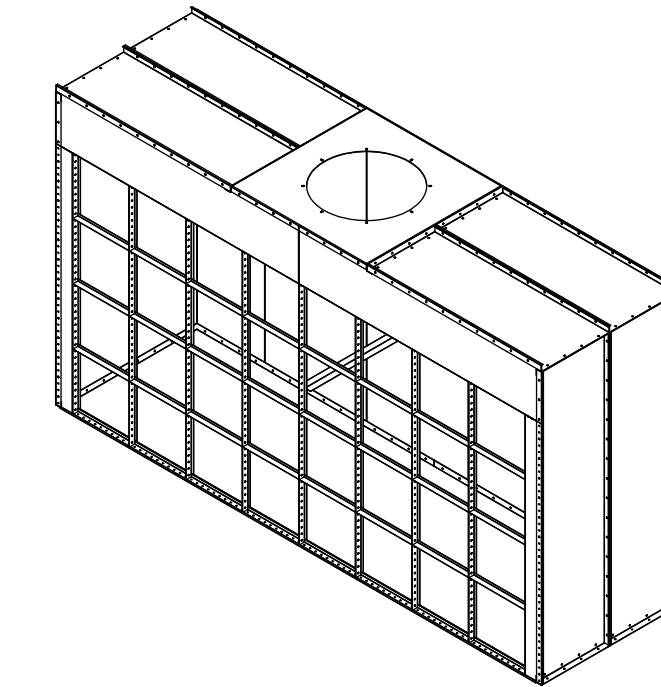
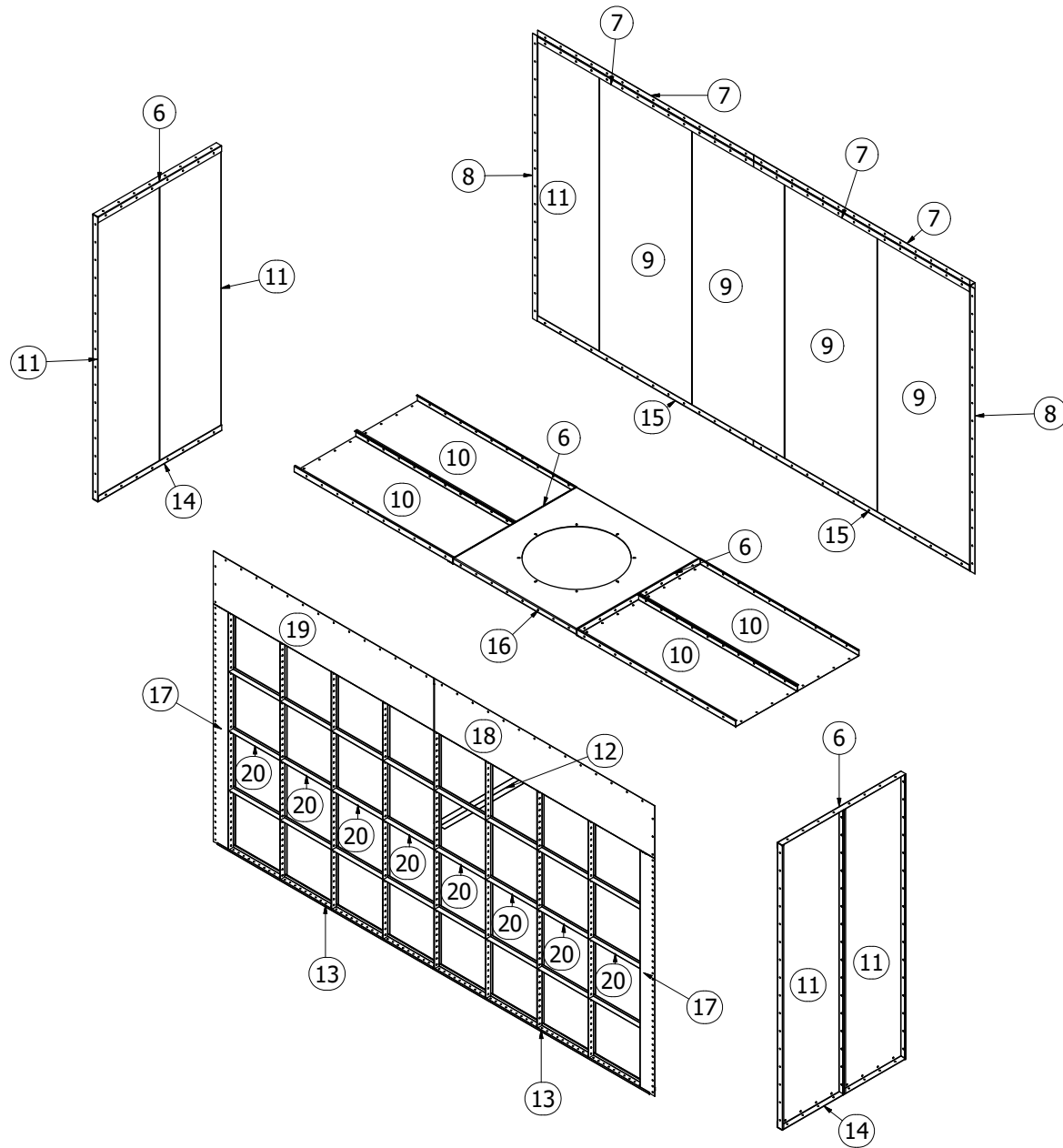
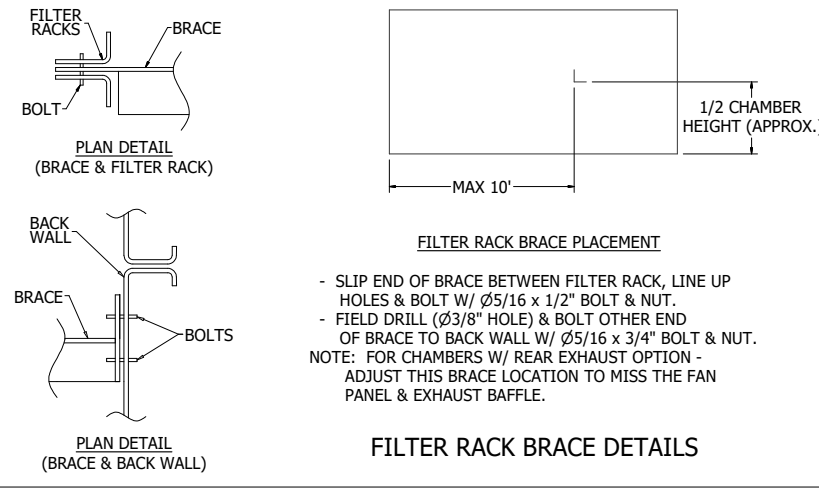
REVISION
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PRCTI20251520

DRAWING
 04

- NOTE:
1. USE Ø5/16" x 3/4" BOLTS & NUTS FOR ALL TIE ANGLE AND PANEL CONNECTIONS.
 2. USE ONE Ø5/16" x 1/2" BOLT & NUT EVERY 6 INCHES FOR FILTER RACK TO FILTER RACK CONNECTIONS.
 3. USE ONE Ø5/16" x 3/4" BOLT & NUT EVERY 6 INCHES FOR FILTER RACK TO PANEL CONNECTIONS WITH THE BOLT HEAD ON THE INSIDE OF THE FILTER CELL.
 4. SEE GSN DRAWING FOR PANEL ANCHORING DETAILS



SKID	ITEM	QTY	PART NUMBER	NEW PART NUMBER	DESCRIPTION	MATERIAL	LBS. EACH
C5	6	4	1000594	1000594	TIE ANGLE 14 GA 2.000 X 2.000 X 48.000 3.000 HOE	14 GA	4
C5	7	4	1000607	1000607	TIE ANGLE 14 GA 2.000 X 2.000 X 84.000 3.000 HOE	14 GA	7
C5	8	2	1000610	1000610	TIE ANGLE 14 GA 2.000 X 2.000 X 96.000 3.000 HOE	14 GA	8
C4	9	4	1005494	1005494	PANEL H 18 GA 36.000 X 95.625 X 2.000	18 GA	53
C2	10	4	1005623	1005623	PANEL H 18 GA 24.000 X 61.625 X 2.000	18 GA	24
C2	11	5	1005648	1005648	PANEL H 18 GA 24.000 X 95.625 X 2.000	18 GA	37
C7	12	1	1007893	1007893	FILTER RACK BRACE 18 GA 48.000	18 GA	3
C7	13	2	1023556	1023556	FLOOR CHANNEL 18 GA 2.313 X 84.000	18 GA	4
C7	14	2	1057164	1057164	TIE ANGLE 10 GA 2.000 X 2.000 X 48.000 3.000 HOE	10 GA	7
C7	15	2	1058054	1058054	TIE ANGLE 10 GA 2.000 X 2.000 X 84.000 3.000 HOE	10 GA	12
C7	16	1	1058119	1058119	PANEL D FAN 10 GA 48.000 X 48.000 X 2.000	10 GA	77
C7	17	2	1058651	1058651	PANEL J 18 GA 5.813 X 80.000 X 2.000	18 GA	9
C7	18	1	1058698	1058698	PANEL L-R 18 GA 17.813 X 85.813 X 2.000	18 GA	24
C7	19	1	1060993	1060993	PANEL L-L 18 GA 17.813 X 85.813 X 2.000	18 GA	24
C3	20	8	FRAG8-E2-20080	1007953	FILTER RACK, EXHAUST, 20 x 80 x 2		10

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REVIEW BY	CRM
REVIEW DATE	7/31/2025

MODEL INFO
 CA-EX-01
 EXHAUST CHAMBER ASSEMBLY

SHIP TO
 CODEL DOOR
 1601 INDUSTRIAL WAY
 PUYALLUP, WA 98371

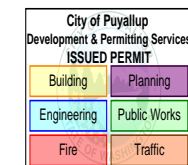
SOLD TO
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 PORTLAND, OR 97211

ORDER/SERIAL NUMBER
 U178152-C

DRAWING SET
 R01

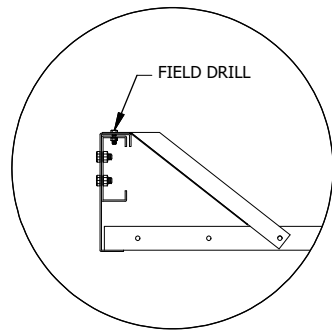
REVISION
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DRAWING
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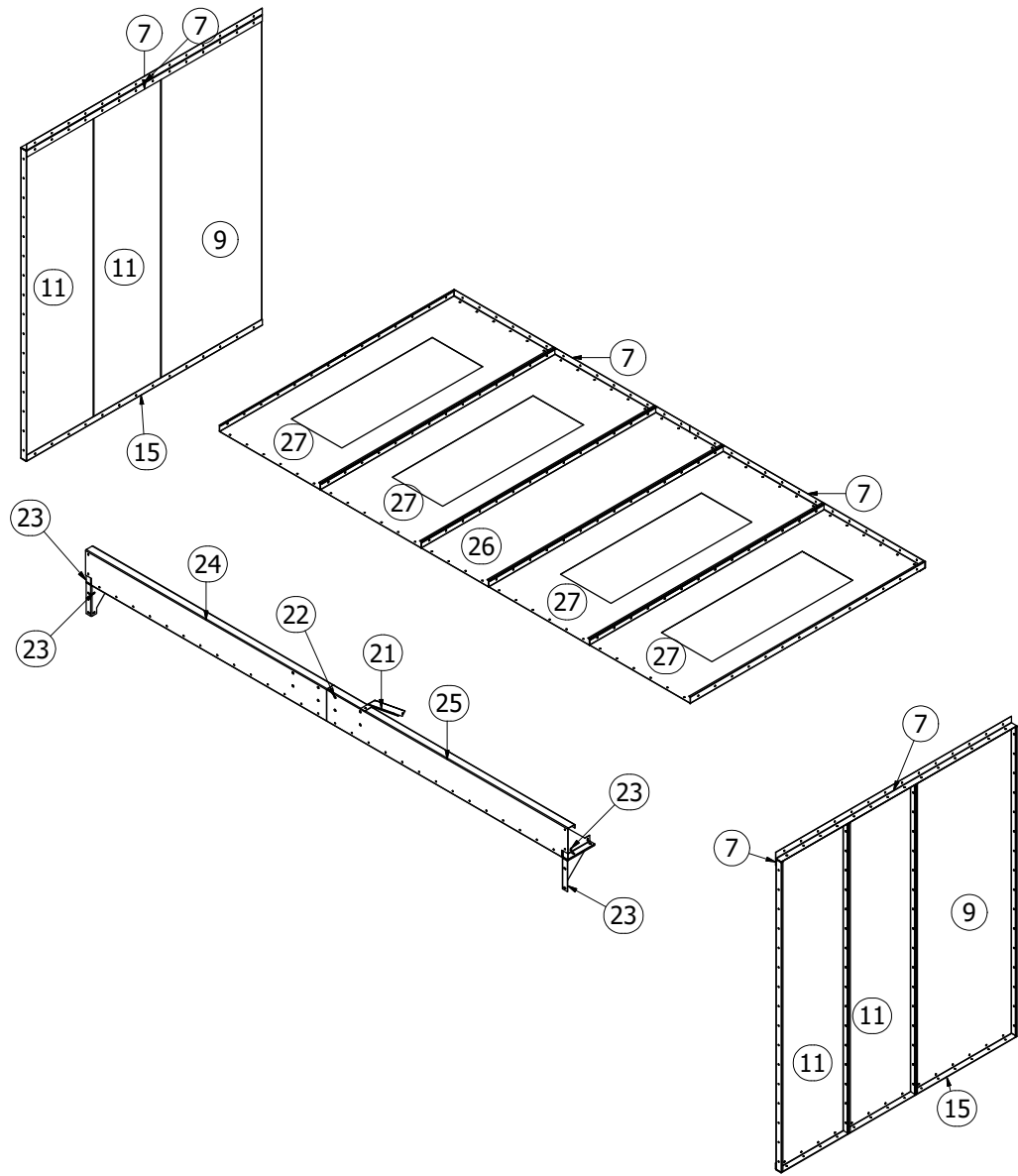
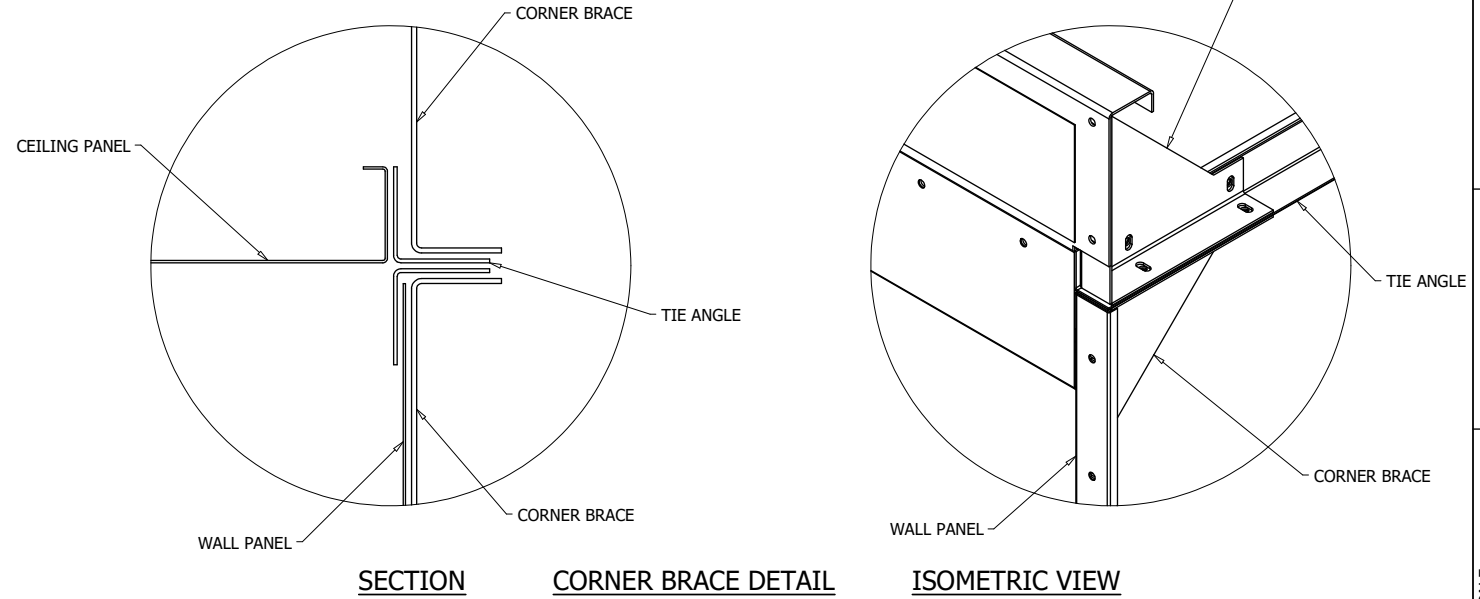
PRCTI20251520

- NOTE:
1. USE $\frac{1}{2}$ " x 1" BOLTS & NUTS FOR PLATE TO FRAME MEMBER CONNECTIONS.
 2. USE $\frac{5}{16}$ " x $\frac{3}{4}$ " BOLTS & NUTS FOR ALL OTHER TIE ANGLE, PANEL AND FRAME MEMBER CONNECTIONS.
 3. FRAME BRACE MUST BE LOCATED WITHIN THREE FEET OF BOOTH'S CENTER BETWEEN PANEL FLANGES.
 4. FIELD DRILL (1) $\frac{3}{8}$ " HOLE THRU TOP STRUCTURAL MEMBERS AND USE $\frac{5}{16}$ " x 1" BOLT & NUT TO SECURE FRAME BRACE TO STRUCTURE.
 5. SEE GSN DRAWING FOR PANEL ANCHORING DETAILS



FRAME BRACE DETAIL
FRAME BRACE MUST BE PLACED BETWEEN PANEL FLANGES WITHIN THREE FEET OF BAY CENTER.

SKID	ITEM	QTY	PART NUMBER	NEW PART NUMBER	DESCRIPTION	MATERIAL	LBS. EACH
C5	7	6	1000607	1000607	TIE ANGLE 14 GA 2.000 X 2.000 X 84.000 3.000 HOE	14 GA	7
C4	9	2	1005494	1005494	PANEL H 18 GA 36.000 X 95.625 X 2.000	18 GA	53
C2	11	4	1005648	1005648	PANEL H 18 GA 24.000 X 95.625 X 2.000	18 GA	37
C7	15	2	1058054	1058054	TIE ANGLE 10 GA 2.000 X 2.000 X 84.000 3.000 HOE	10 GA	12
C7	21	1	1001456	1001456	FRAME BRACE 18 GA 15.688	18 GA	1
C7	22	1	1001493	1001493	SPLICE PLATE 10 GA 5.500 X 30.000	10 GA	11
C7	23	4	1001495	1001495	CORNER BRACE 12 GA 9.625 X 9.625	12 GA	0
C7	24	1	1001518	1001518	FRAME MEMBER L 12 GA 10.000 X 86.000 X 2.625	12 GA	39
C7	25	1	1001519	1001519	FRAME MEMBER R 12 GA 10.000 X 86.000 X 2.625	12 GA	39
C2	26	1	1005639	1005639	PANEL H 18 GA 24.000 X 83.625 X 2.000	18 GA	33
C4	27	4	1005836	1005836	PANEL H LIGHT 18 GA 36.000 X 83.625 X 2.000	18 GA	34



** ASSEMBLE FRAMES, SPLICE PLATE, AND CORNER PLATES ON THE GROUND. LIFT INTO POSITION AND BOLT TO CEILING AND WALL PANELS.

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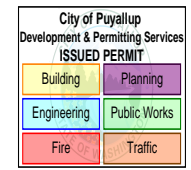
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SHIP TO
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PUYALLUP, WA 98371

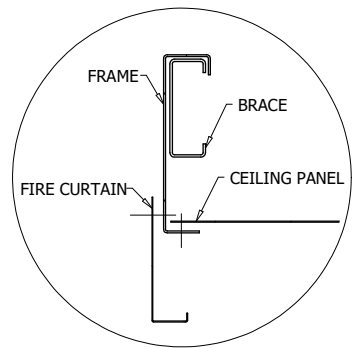
SOLD TO
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MODEL INFO	CA-BAY-01 BAY ASSEMBLY
ORDER/SERIAL NUMBER	U178152-C
DRAWING SET	R01
REVISION	0
DRAWING	06

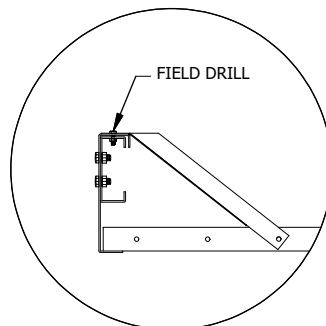


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- NOTE:
1. USE $\frac{1}{2}$ " x 1" BOLTS & NUTS FOR PLATE TO FRAME MEMBER CONNECTIONS.
 2. USE $\frac{5}{16}$ " x $\frac{3}{4}$ " BOLTS & NUTS FOR ALL OTHER TIE ANGLE, PANEL AND FRAME MEMBER CONNECTIONS.
 3. FRAME BRACE MUST BE LOCATED WITHIN THREE FEET OF BOOTH CENTER BETWEEN PANEL FLANGES.
 4. FIELD DRILL (1) $\frac{3}{8}$ " HOLE THRU TOP STRUCTURAL MEMBERS AND USE $\frac{5}{16}$ " x 1" BOLT & NUT TO SECURE FRAME BRACE TO STRUCTURE.
 5. SEE GSN DRAWING FOR PANEL ANCHORING DETAILS

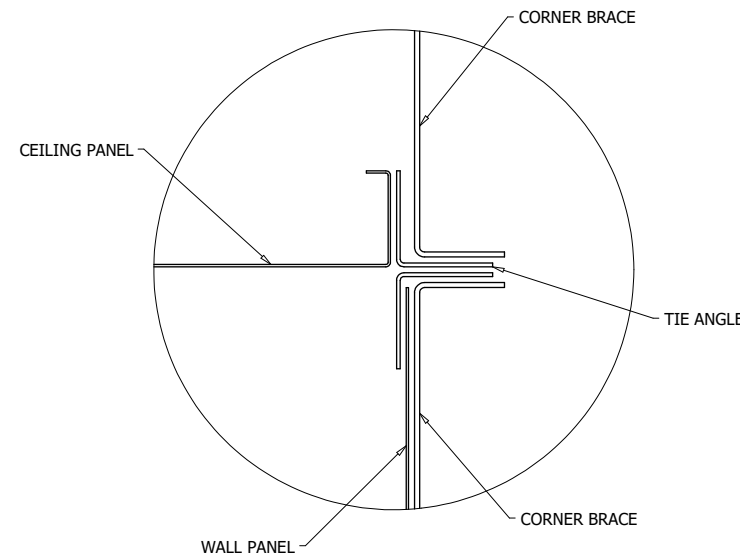


FIRE CURTAIN DETAIL

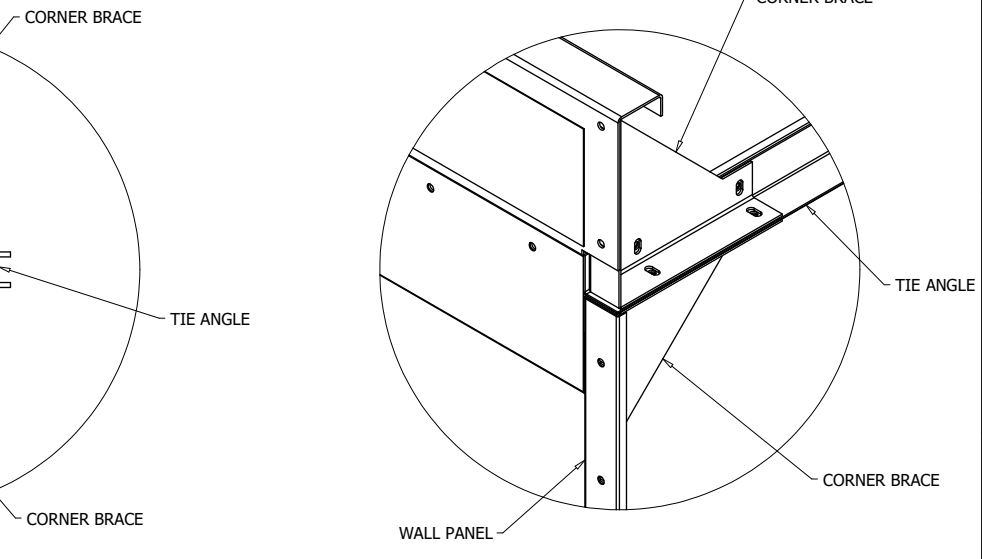


FRAME BRACE DETAIL
FRAME BRACE MUST BE PLACED BETWEEN PANEL FLANGES WITHIN THREE FEET OF BAY CENTER.

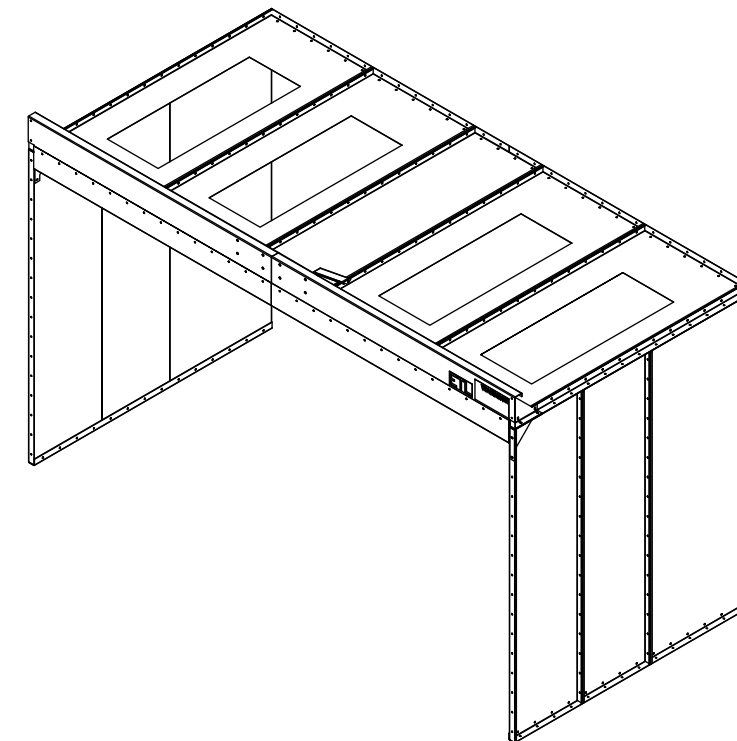
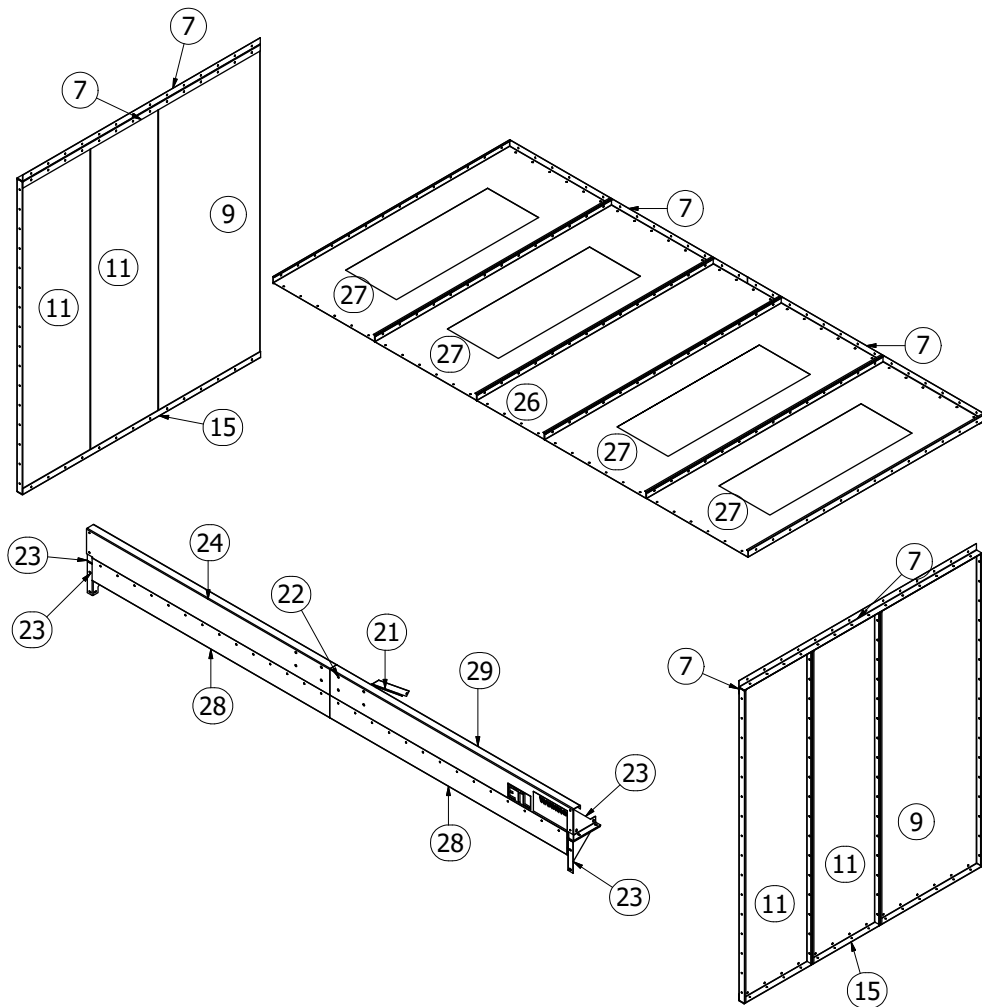
SKID	ITEM	QTY	PART NUMBER	NEW PART NUMBER	DESCRIPTION	MATERIAL	LBS. EACH
C5	7	6	1000607	1000607	TIE ANGLE 14 GA 2.000 X 2.000 X 84.000 3.000 HOE	14 GA	7
C4	9	2	1005494	1005494	PANEL H 18 GA 36.000 X 95.625 X 2.000	18 GA	53
C2	11	4	1005648	1005648	PANEL H 18 GA 24.000 X 95.625 X 2.000	18 GA	37
C7	15	2	1058054	1058054	TIE ANGLE 10 GA 2.000 X 2.000 X 84.000 3.000 HOE	10 GA	12
C7	21	1	1001456	1001456	FRAME BRACE 18 GA 15.688	18 GA	1
C7	22	1	1001493	1001493	SPLICE PLATE 10 GA 5.500 X 30.000	10 GA	11
C7	23	4	1001495	1001495	CORNER BRACE 12 GA 9.625 X 9.625	12 GA	0
C7	24	1	1001518	1001518	FRAME MEMBER L 12 GA 10.000 X 86.000 X 2.625	12 GA	39
C2	26	1	1005639	1005639	PANEL H 18 GA 24.000 X 83.625 X 2.000	18 GA	33
C4	27	4	1005836	1005836	PANEL H LIGHT 18 GA 36.000 X 83.625 X 2.000	18 GA	34
C7	28	2	1008134	1008134	FIRE CURTAIN J 18 GA 7.000 X 84.000 X 2.000	18 GA	11
C7	29	1	1058695	1058695	FRAME MEMBER ETL/WARN LABEL OUT 10.000 X 86.000		39



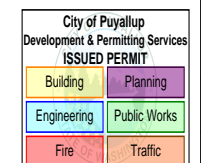
SECTION



ISOMETRIC VIEW



** ASSEMBLE FRAMES, SPLICE PLATE, AND CORNER PLATES ON THE GROUND. LIFT INTO POSITION AND BOLT TO CEILING AND WALL PANELS.



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REVIEW DATE	7/31/2025

MODEL INFO	CA-BAY-02	SHIP TO	CODEL DOOR
	BAY ASSEMBLY		1601 INDUSTRIAL WAY
			PUYALLUP, WA 98371
		SOLD TO	ADVANCED FINISHING SYSTEMS INC.
			7515 NE 33RD DRIVE
			PORTLAND, OR 97211
		ORDER/SERIAL NUMBER	U178152-C
		DRAWING SET	R01
		REVISION	0
		DRAWING	07