

**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<sub>s</sub> =1.283  
S<sub>1</sub> =0.441

SITE CLASS: D (ASSUMED)  
SPECTRAL RESPONSE COEFFICIENT:  
S<sub>D5</sub>=1.027  
S<sub>D1</sub>=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<sub>s</sub>=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<sub>s</sub>=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 EXCEPT FOR STACKS, STANDS, AND OUTDOOR AMUS. 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.

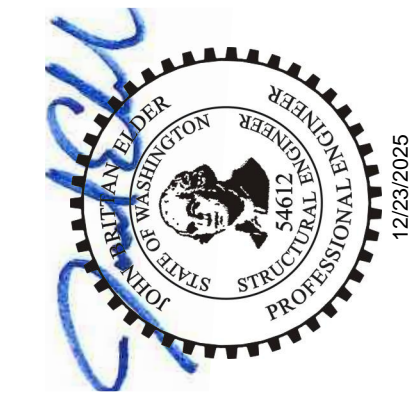
**ABBREVIATIONS:**

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

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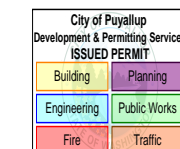
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SCALE	NTS	DRAWN BY	NM	DATE	7/7/2025	REVIEW BY	NM	REVIEW DATE	7/7/2025
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City of Puyallup  
Building  
REVIEWED  
FOR  
COMPLIANCE  
BSnowden  
12/29/2025  
11:08:09 AM

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.



MODEL INFO  
SE-NOTES  
GENERAL STRUCTURAL NOTES

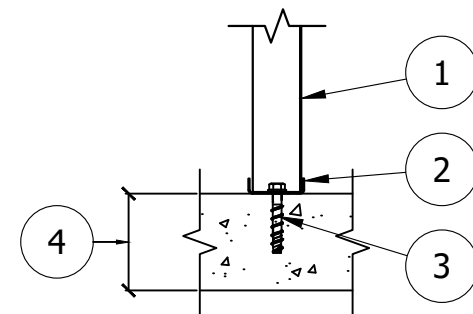
SHIP TO  
CODEL DOOR  
1601 INDUSTRIAL WAY  
PUYALLUP, WA 98371

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

ORDER/SERIAL NUMBER  
U178152

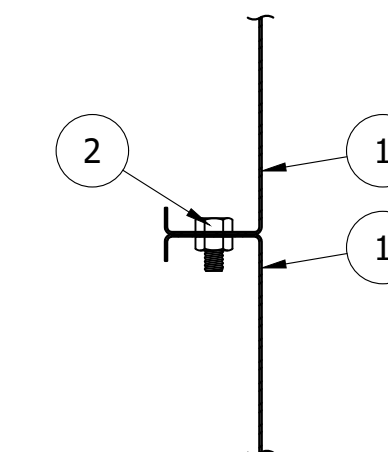
DRAWING SET	REVISION
SD	C

DRAWING  
SE NOTES



DF5B FILTER RACK / FLOOR CHANNEL TO SLAB CONNECTION

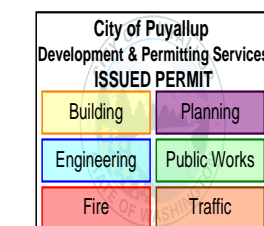
1. FILTER RACK.
2. FLOOR CHANNEL. FIELD DRILL AS NECESSARY FOR ANCHOR INSTALLATION
3. SEE 3/8"φ SCREW ANCHOR NOTE ON GSN.
4. EXIST SLAB ON GRADE. 4" MIN CONC THICKNESS. VERIFICATION OF SLAB NOT BY GFS.



DF1 PANEL TO PANEL CONNECTION

SCALE  
3" = 1'-0"

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

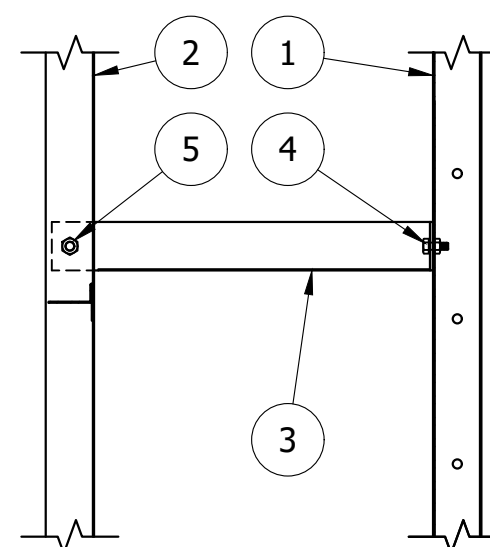


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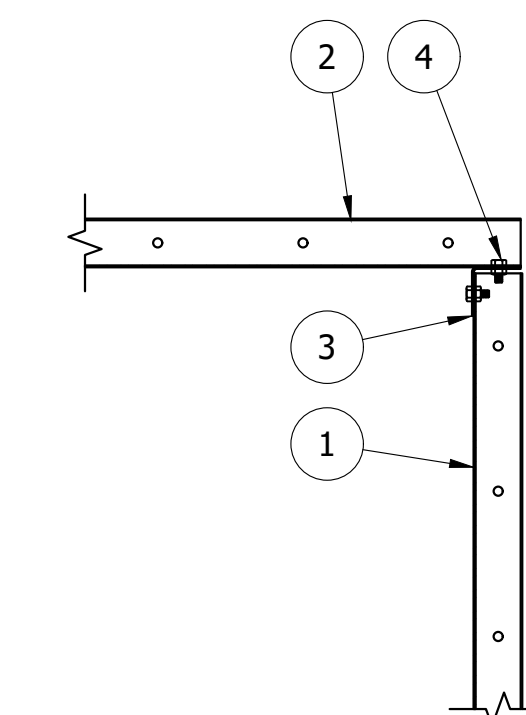


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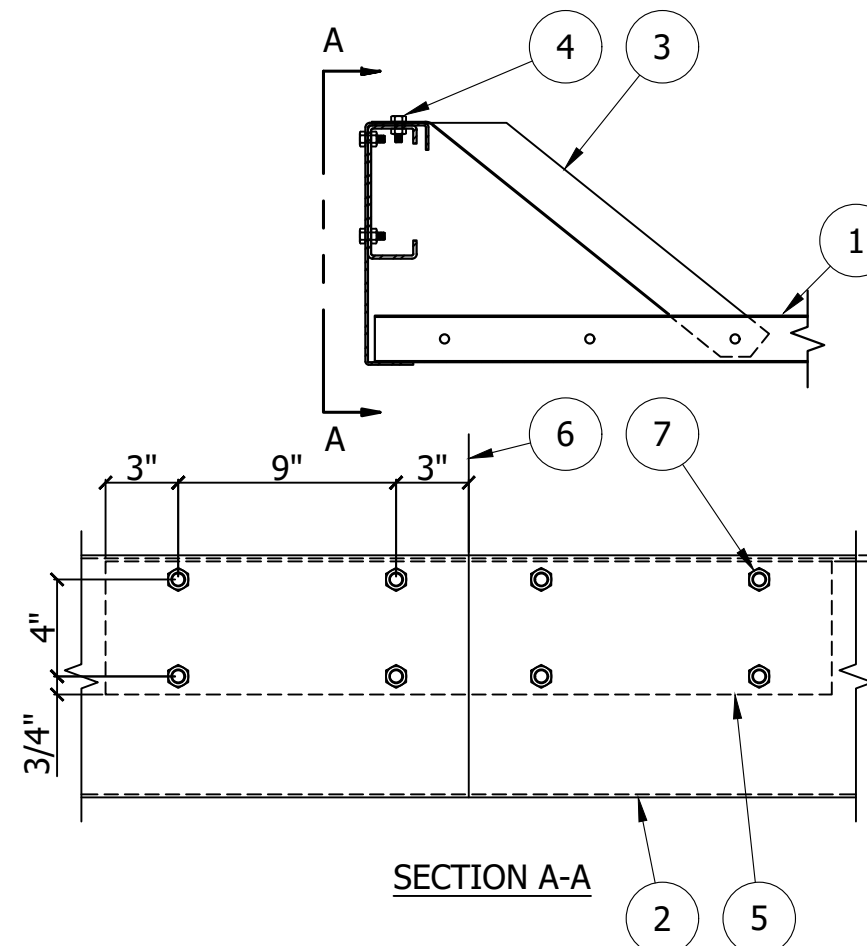
DF4A FILTER RACK TO WALL STRUT

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.



DF3C WALL/ROOF TIE

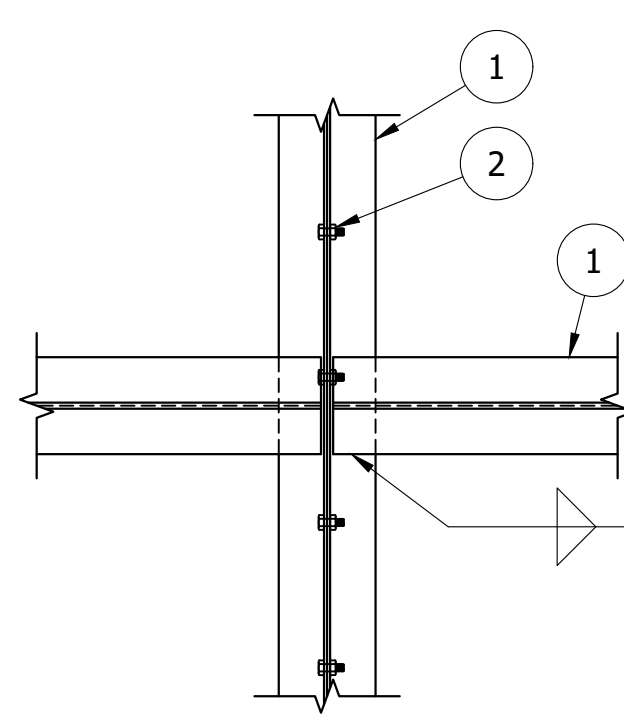
1. SINGLE SKIN WALL PANEL.
2. SINGLE SKIN BOOTH ROOF PANEL.
3. TIE ANGLE - 2x2x14GA.
4. 5/16"φ BOLTS AT 6" O.C. TYP WHERE SHOWN.



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

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.

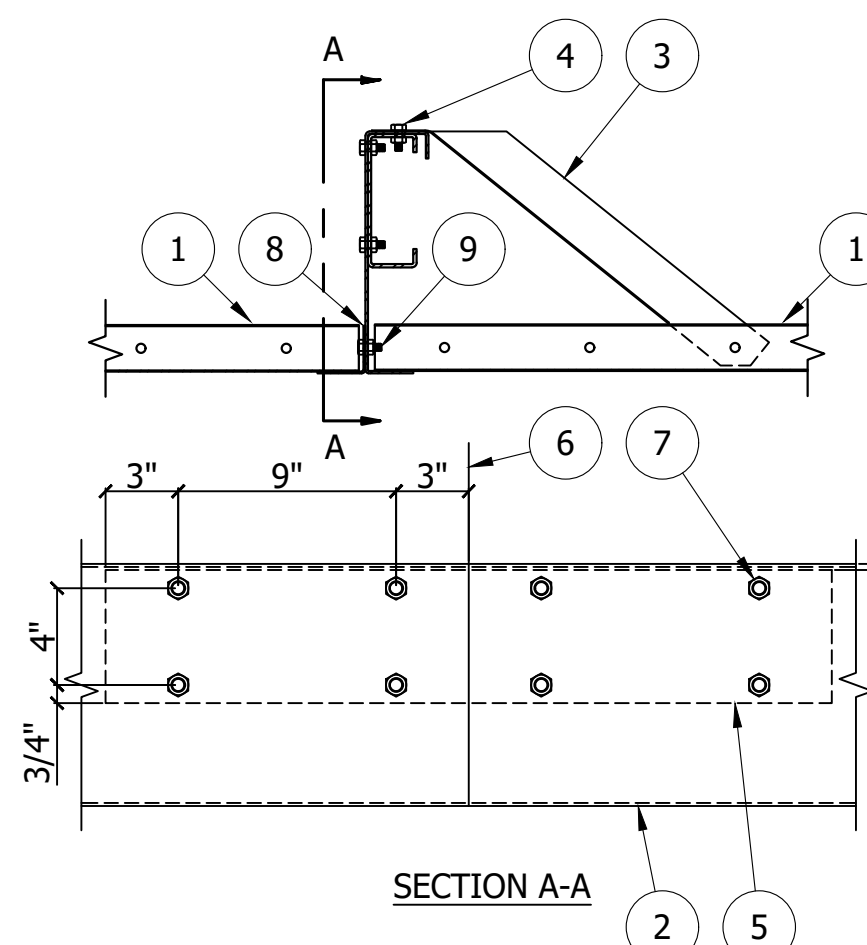
Special Inspection required for high-strength bolts. The final special inspection report must be on site during City inspections.



DF4B FILTER RACK

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

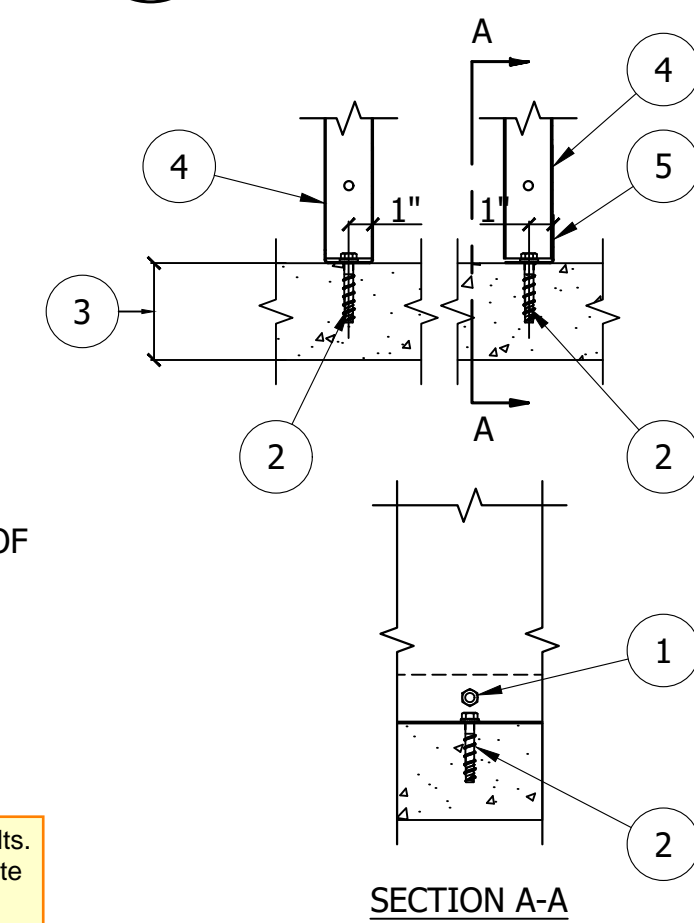
Welding to be completed by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.



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

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.

Special Inspection required for high-strength bolts. The final special inspection report must be on site during City inspections.

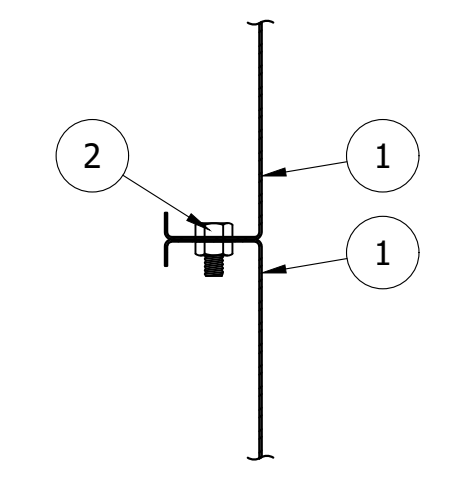
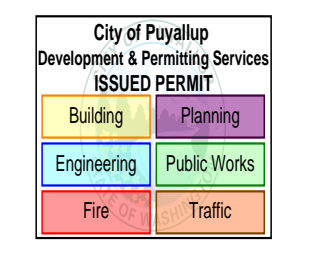


DF5A PANEL OR TIE ANGLE TO SLAB CONNECTION

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

SCALE	NTS	DRAWN BY	NM	DATE	7/7/2025	REVIEW BY	NM	REVIEW DATE	7/7/2025
MODEL INFO	SE-DETAILS	STANDARD DETAILS	SHIP TO CODEL DOOR 1601 INDUSTRIAL WAY PUYALLUP, WA 98371						
SOLD TO		ADVANCED FINISHING SYSTEMS 7515 NE 33RD DRIVE PORTLAND, OR 97211							
ORDER/SERIAL NUMBER		U178152							
DRAWING SET	SD	REVISION		A					
DRAWING SE DETAILS - A,B,C									

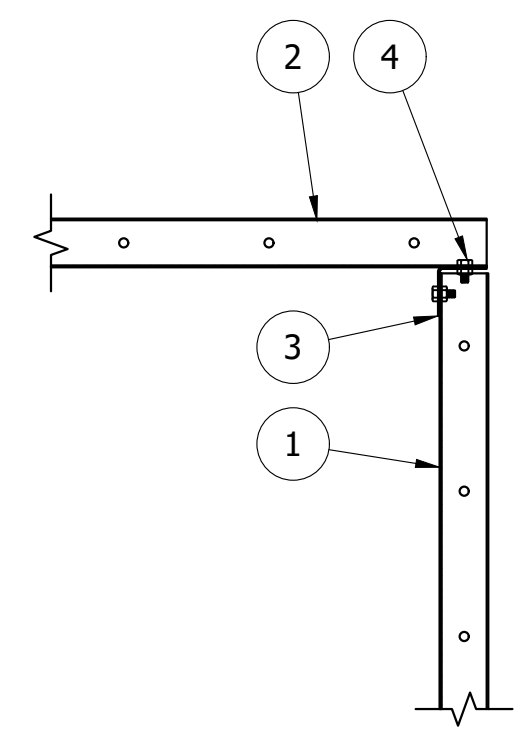
1. SINGLE SKIN PANEL.
2. 5/16"Ø A307 BOLTS AT 6" O.C. TYP.



SCALE  
3" = 1'-0"

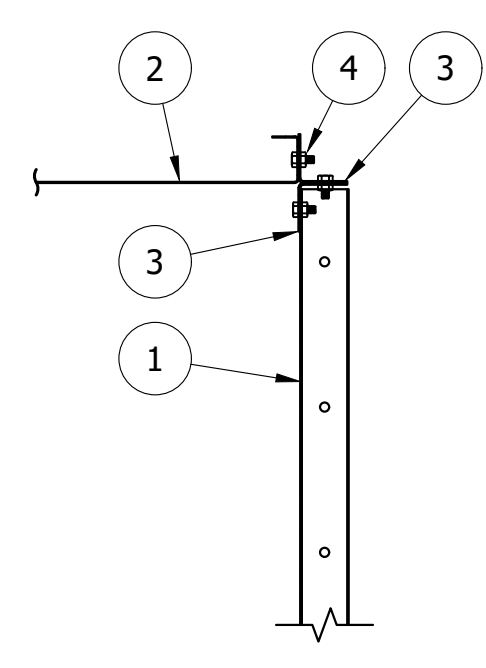
**DF1 PANEL TO PANEL CONNECTION**

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



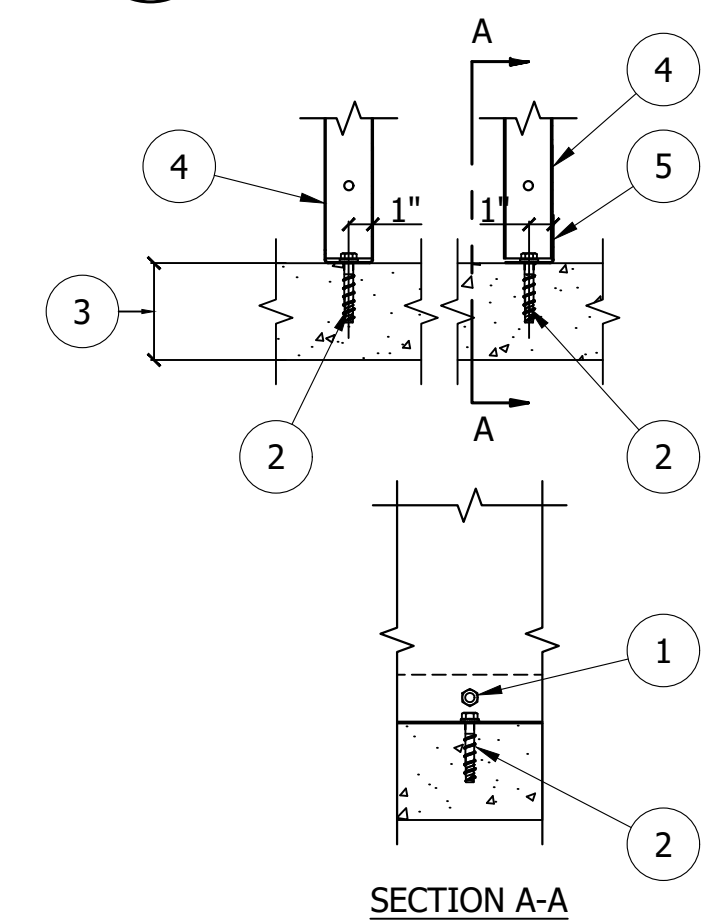
**DF3C WALL/ROOF TIE**

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



**DF3A WALL/ROOF TIE**

1. MAY NEED TO REMOVE BOLT AND NUT FOR INSTALLATION OF ANCHOR.
2. SEE 3/8"Ø 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

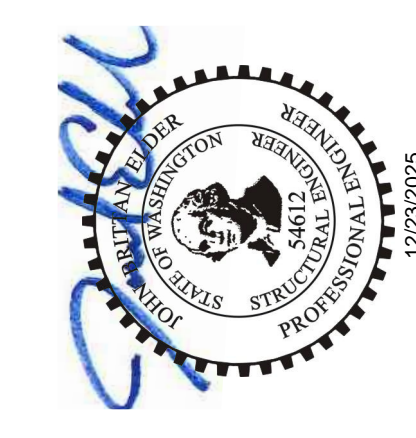


SECTION A-A

**DF5A PANEL OR TIE ANGLE TO SLAB CONNECTION**

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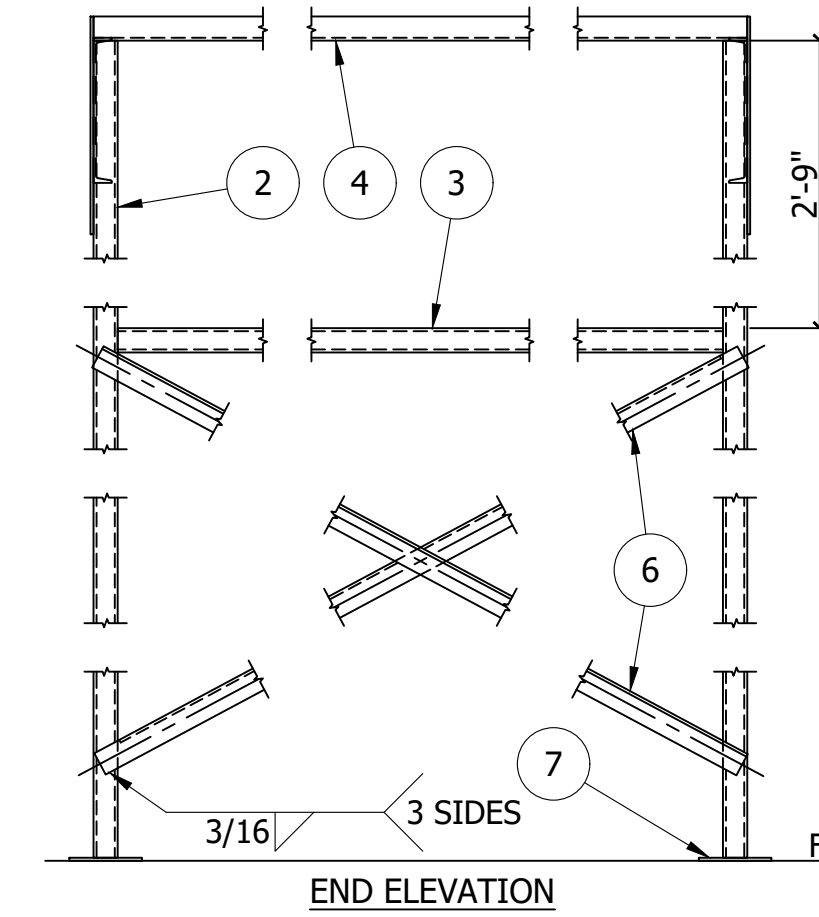


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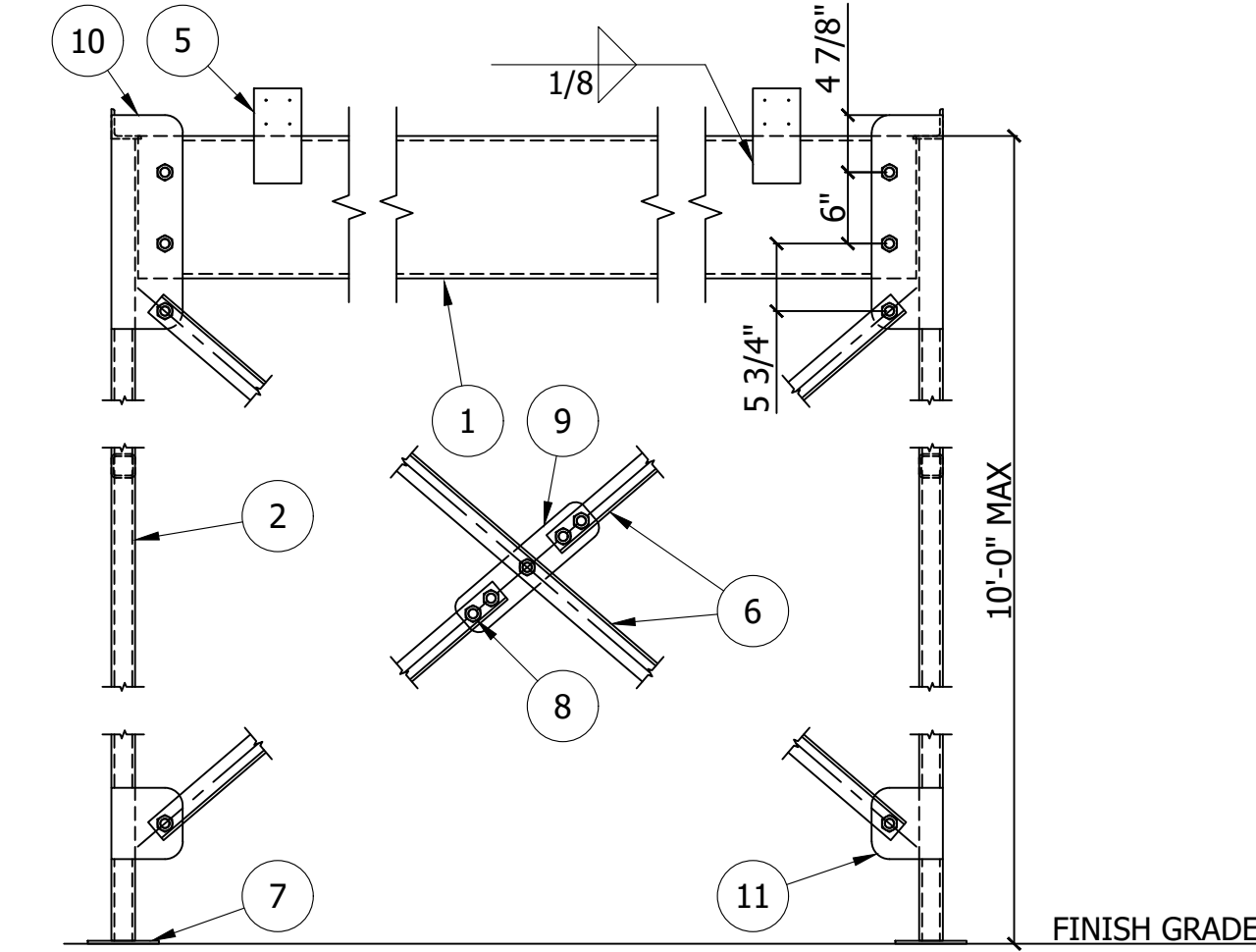
SCALE	NTS	DRAWN BY	NM	DATE	7/7/2025	REVIEW BY	NM	REVIEW DATE	7/7/2025
MODEL INFO					SHIP TO				
SE-DETAILS					CODEL DOOR				
STANDARD DETAILS					1601 INDUSTRIAL WAY				
SOLD TO					PUYALLUP, WA 98371				
ADVANCED FINISHING SYSTEMS					ORDER/SERIAL NUMBER				
7515 NE 33RD DRIVE					U178152				
PORTLAND, OR 97211					DRAWING SET				
DRAWING					REVISION				
SE DETAILS - D					SD				
					A				

City of Puyallup Development & Permitting Services ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fee	Traffic

Special Inspection required for high-strength bolts.  
The final special inspection report must be on site during City inspections.

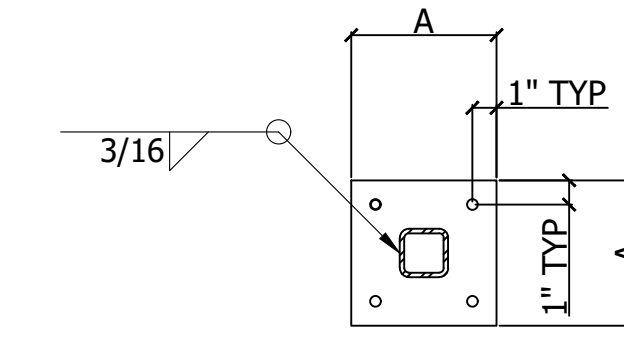


END ELEVATION

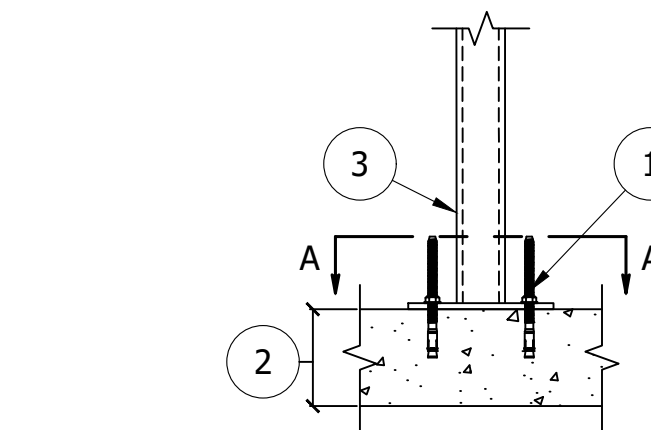


SIDE ELEVATION

AMU2A AMU STAND (SINGLE UNIT)



SECTION A-A



LE10D TUBE POST TO SLAB CONNECTION

1. CHANNEL BEAM - MC12x10.6.
2. TUBE STEEL COLUMN - HSS2 1/2x2 1/2x1/4.
3. TUBE STEEL BEAM - HSS2 1/2x2 1/2x1/4.
4. ANGLE BEAM - L2 1/2x2 1/2x3/16.
5. AMU ANCHOR PLATE - 12GAx4x8 AT 4'-0" O.C. WITH A MINIMUM OF (2) EACH SIDE.
6. BRACE ANGLE - L2x2x3/16.
7. BASE PLATE - SEE POST TO SLAB CONNECTION DETAIL (LE10D).
8. 3/4"φ A325 BOLTS TYP.
9. TIE PLATE - 1/4x3 1/2x14.
10. 1/4x6x18 PLATE.
11. 1/4x6x6 PLATE.

1. SEE 3/8"φ WEDGE ANCHOR NOTES ON GSN.
2. EXIST SLAB ON GRADE 4" MIN CONC THICKNESS. VERIFICATION OF SLAB IS NOT BY GFS.
3. TUBE POST.
4. "A" INDICATES 6" DIMENSION FOR TUBE POSTS UP TO AND INCLUDING 3" SQUARE AND 8" FOR TUBE POSTS GREATER THAN 3" AND UP TO 5" SQUARE. 1/4" THK BASEPLATE.

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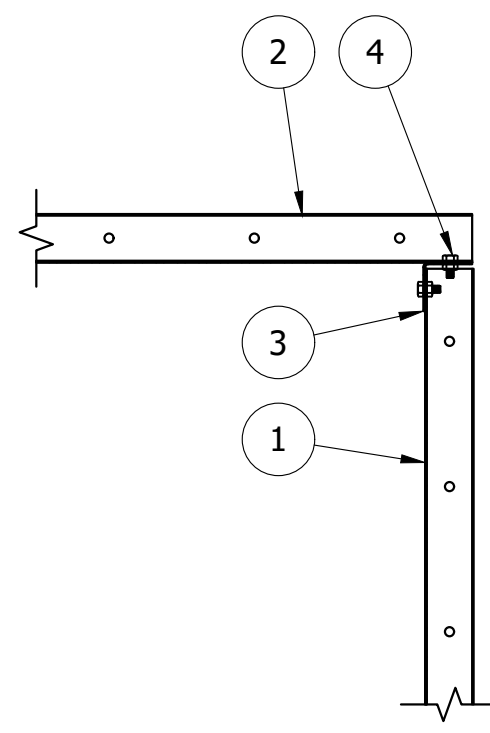
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Mesa, AZ 85202

SCALE	NTS	DRAWN BY	NM	DATE	7/7/2025	REVIEW BY	NM	REVIEW DATE	7/7/2025
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MODEL INFO	SE-DETAILS STANDARD DETAILS	SHIP TO	CODEL DOOR 1601 INDUSTRIAL WAY PUYALLUP, WA 98371
SOLD TO	ADVANCED FINISHING SYSTEMS 7515 NE 33RD DRIVE PORTLAND, OR 97211		

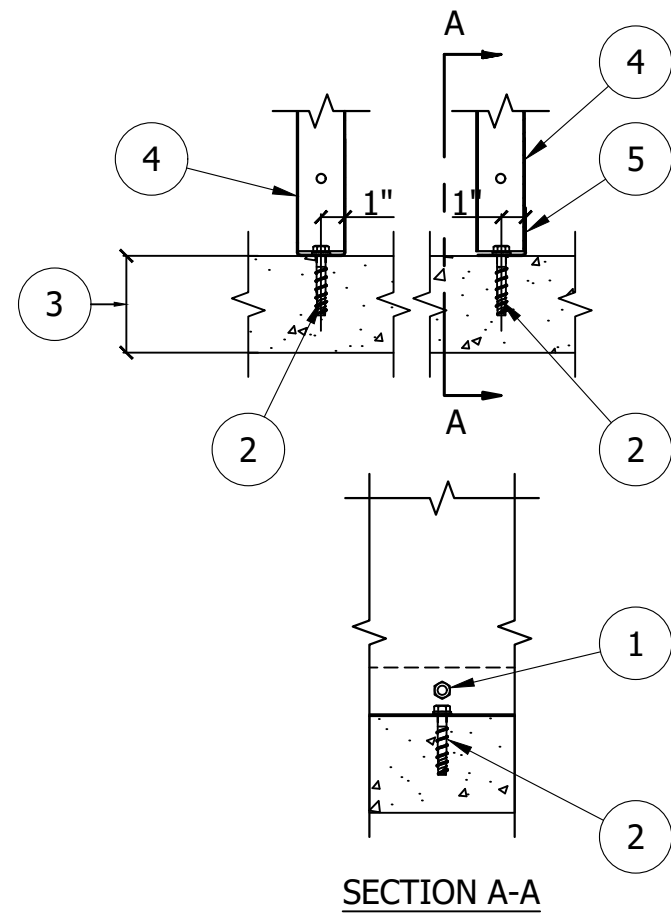
ORDER/SERIAL NUMBER U178152	
DRAWING SET SD	REVISION A
DRAWING SE DETAILS - E	

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.



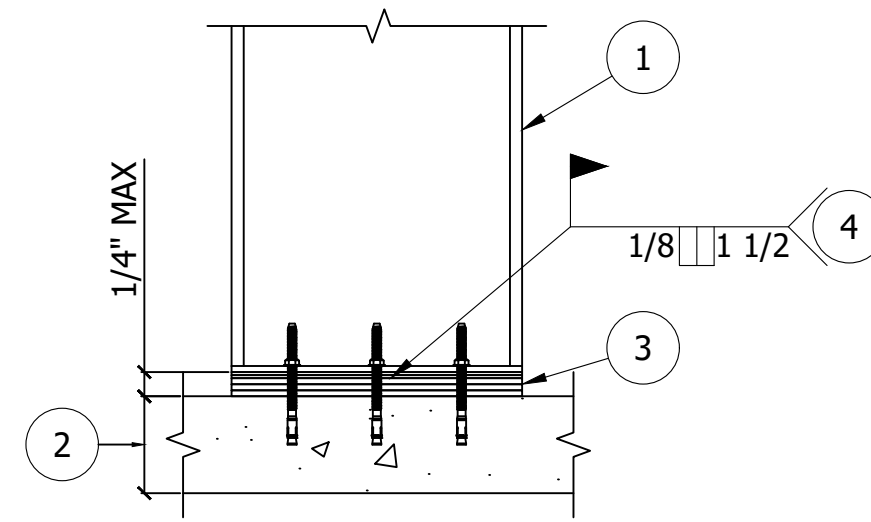
1. SINGLE SKIN WALL PANEL.
2. SINGLE SKIN BOOTH ROOF PANEL.
3. TIE ANGLE - 2x2x14GA.
4. 5/16"Ø BOLTS AT 6" O.C. TYP WHERE SHOWN.

DF3C WALL/ROOF TIE

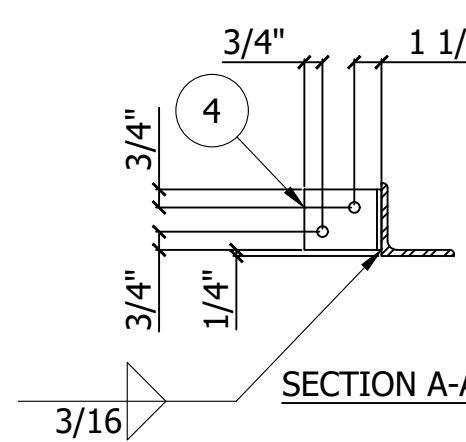


1. MAY NEED TO REMOVE BOLT AND NUT FOR INSTALLATION OF ANCHOR.
2. SEE 3/8"Ø SCREW ANCHOR NOTES ON GSN.
3. EXIST SLAB ON GRADE. 4" MIN CONC THICKNESS. VERIFICATION OF SLAB NOT BY GFS.
4. SINGLE SKIN PANEL.
5. BASE TIE ANGLE

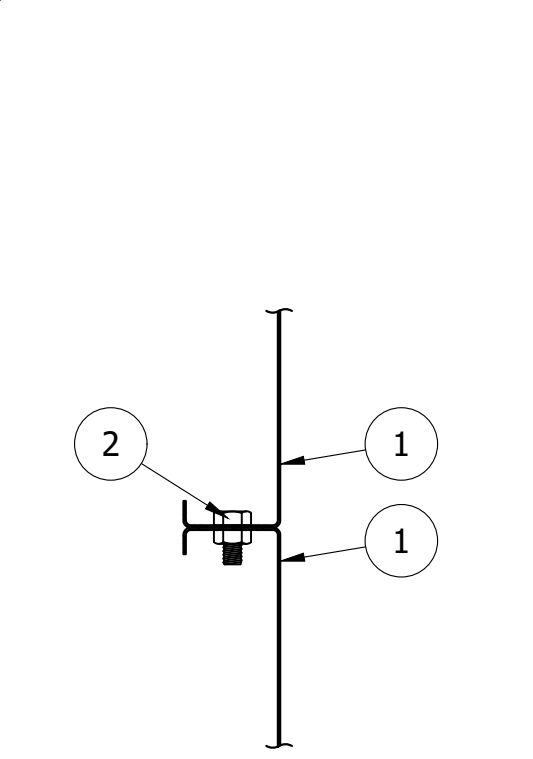
DF5A PANEL OR TIE ANGLE TO SLAB CONNECTION



LE8G SHIM PACK DETAIL

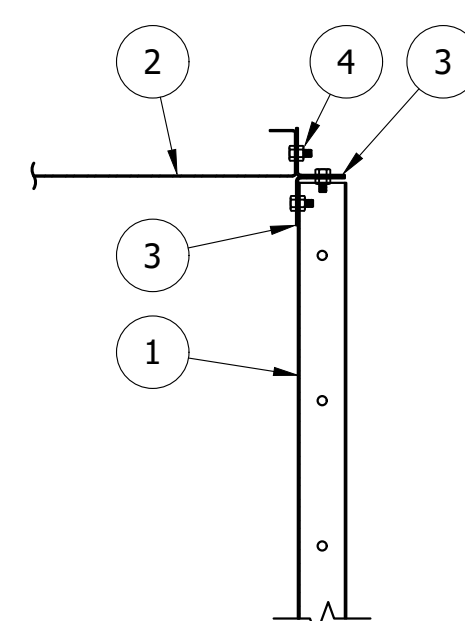


LE10A JAMB TO SLAB CONNECTION



SCALE  
3" = 1'-0"

DF1 PANEL TO PANEL CONNECTION

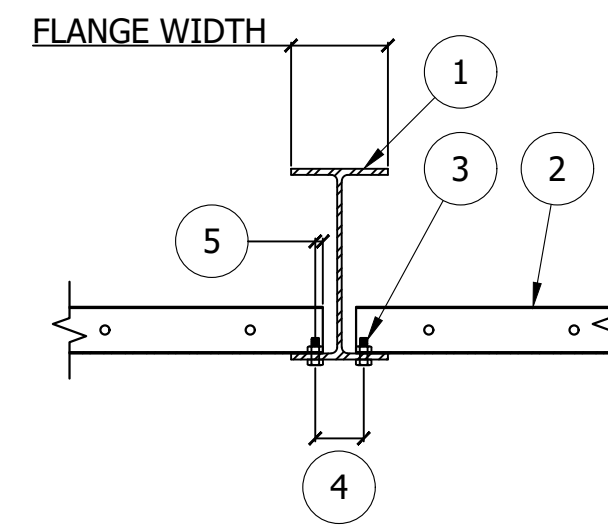


DF3A WALL/ROOF TIE

1. STEEL COLUMN.
2. EXIST SLAB ON GRADE. 4" MIN CONC THICKNESS. VERIFICATION OF SLAB NOT BY GFS.
3. FULL SHIM PACK. 1/4" MAX. NOT BY GFS U.N.O.
4. WELD EACH SHIM LAYER TO THE NEXT SHIM LAYER AND THE BASE PLATE AT THE CENTER OF EACH FACE.

FLANGE WIDTH	BEAM GAUGE
4"	2"
5" TO 5 3/4"	2 3/4"
6" TO 7 5/8"	3 1/2"
8" TO 16 1/4"	5 1/2"

LE2B BEAM GAGE

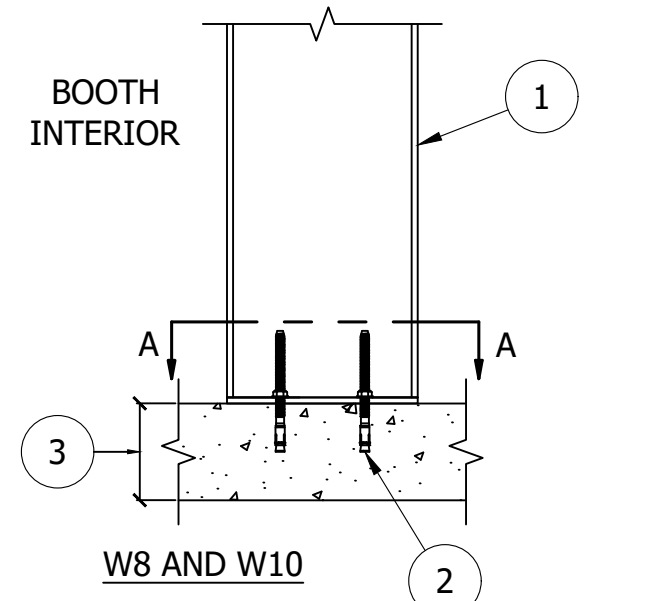
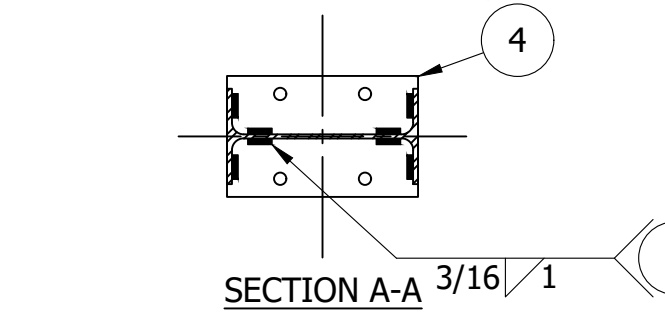
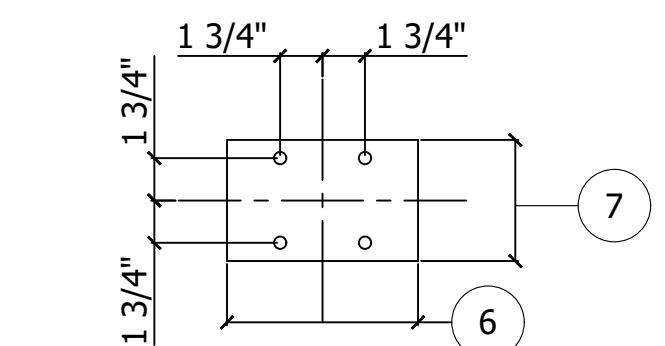


LE7J SINGLE-SKIN PANEL AT WF

1. SEE 3/8"Ø SCREW ANCHOR NOTES ON GSN.
2. EXIST SLAB ON GRADE 4" MIN CONC THICKNESS. VERIFICATION OF SLAB IS NOT BY GFS.
3. DOOR JAMB - L3x3x1/4.
4. BASE ANGLE - L3x2x3/16 (LLH) x 2 1/2" LONG.

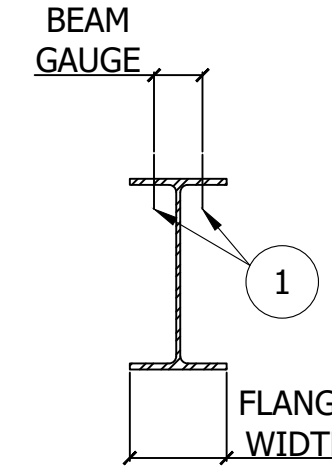
1. SINGLE SKIN PANEL.
2. 5/16"Ø A307 BOLTS AT 6" O.C. TYP.

1. STEEL COLUMN.
2. SEE 3/8"Ø WEDGE ANCHOR NOTES ON GSN.
3. EXIST SLAB ON GRADE. 4" MIN CONC THICKNESS. VERIFICATION OF SLAB NOT BY GFS.
4. 1/4" BASE PLATE.
5. TYPICAL WHERE SHOWN.
6. COLUMN DEPTH.
7. 5" FOR COLUMNS WITH A FLANGE WIDTH LESS THAN OR EQUAL TO 5" AND MATCH THE COLUMN FLANGE WIDTH FOR COLUMNS WITH FLANGE WIDTHS GREATER THAN 5".



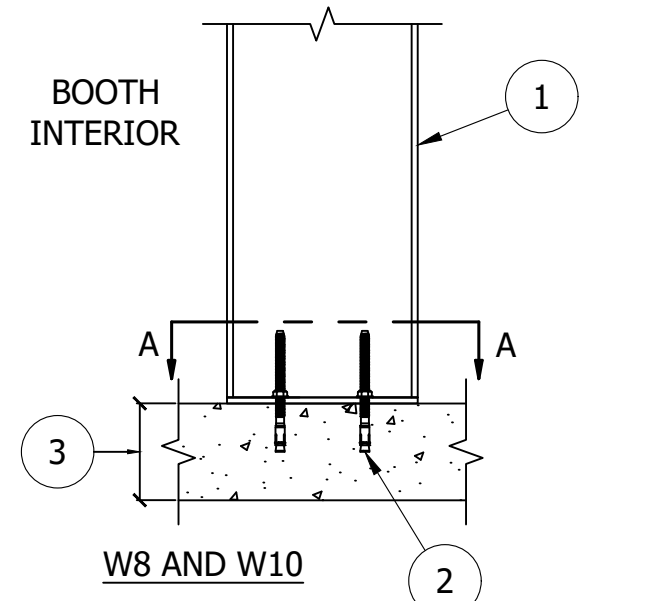
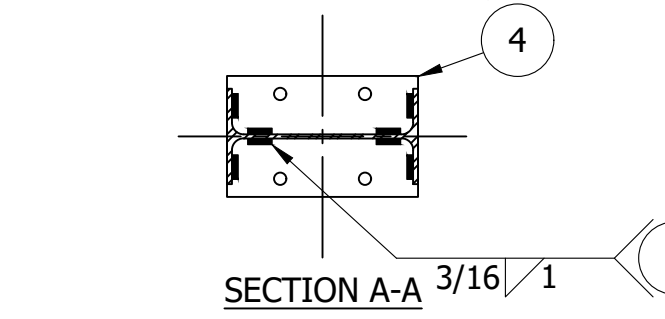
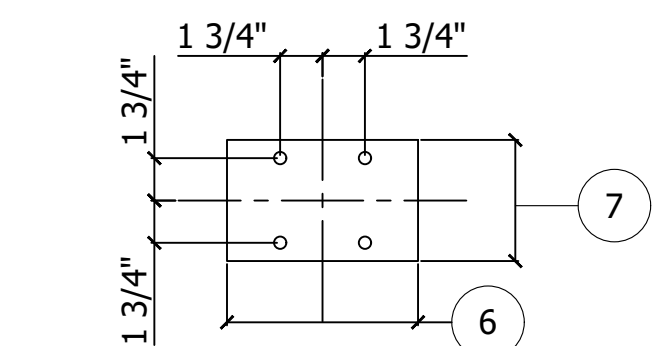
LE8A COLUMN TO SLAB CONNECTION

1. BOLT LOCATION.

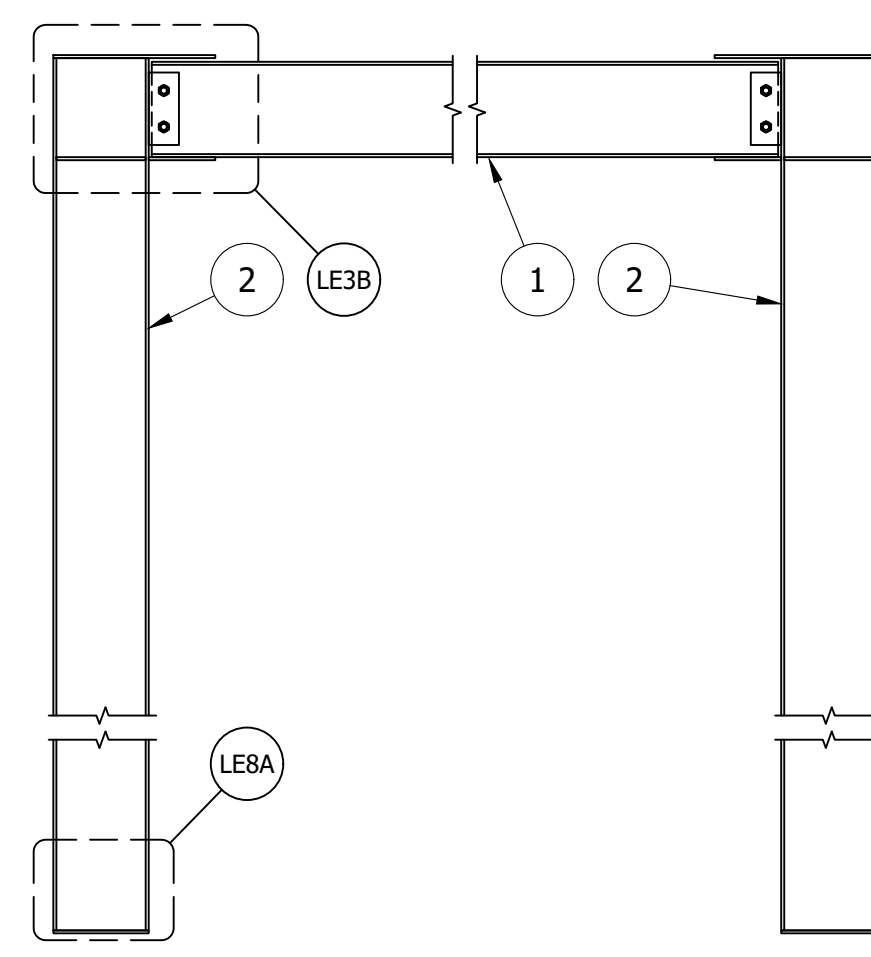


1. STEEL BEAM OR COLUMN.
2. CEILING OR WALL PANEL (EACH SIDE AS OCCURS).
3. 5/16"Ø BOLT AT 6" O.C.
- 2" FOR STEEL MEMBERS UP TO 5" IN FLANGE WIDTH. LOCATE BOLT HOLES 1/2" (±1/32") FROM THE EDGE OF FLANGE FOR STEEL MEMBERS MORE THAN 5" IN FLANGE WIDTH.
- 5/16" FOR STEEL MEMBERS UP TO 5" IN FLANGE WIDTH. 1/2" FOR STEEL MEMBERS MORE THAN 5" IN FLANGE WIDTH.

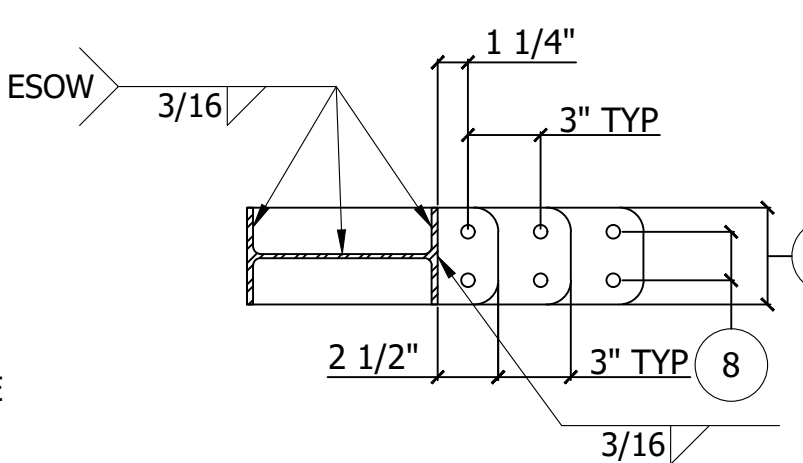
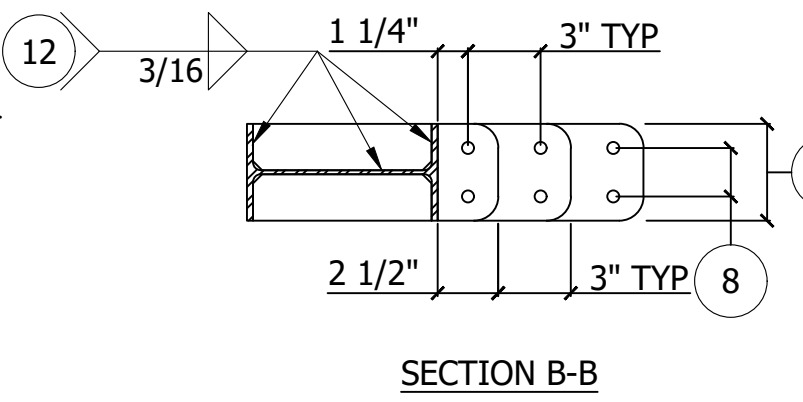
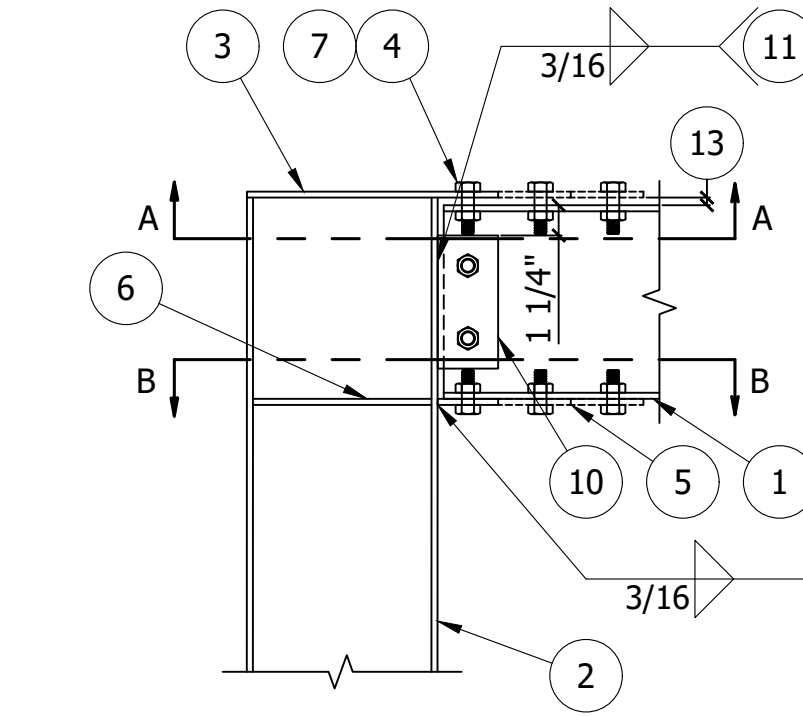
LE7J SINGLE-SKIN PANEL AT WF



LE8A COLUMN TO SLAB CONNECTION



LE15A MOMENT FRAME (BOLTED FLANGE PLATE)

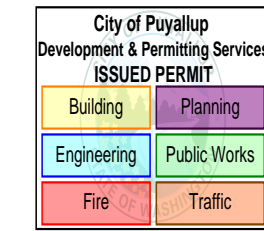


LE3B FLANGE PLATE MOMENT CONNECTION

NOMINAL BEAM DEPTH "D"	NUMBER OF BOLTS	SPACING OF BOLTS
UP TO 5"	2	2"
6" TO 7"	2	2"
8"	2	3"
10"	3	2 1/2"
12"	3	3"
14"	4	2 1/2"
16"	4	3"
18"	5	3"
21"	6	3"
24" TO 27"	7	3"
30"	8	3"

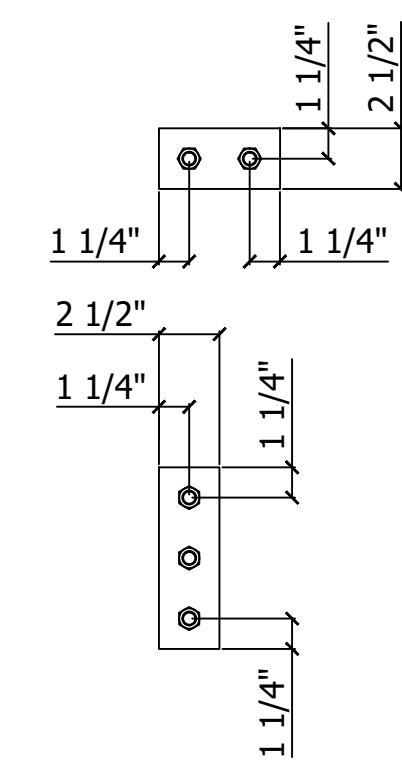
LE2A BOLTED CONNECTIONS

1. BOOTH ROOF STEEL BEAM - W8x10.
2. STEEL COLUMN - W8x10.



1. STEEL BEAM.
2. STEEL COLUMN.
- 1/4" TOP FLANGE PLATE.
- ALL 1/2"Ø BOLTS SHALL BE INSTALLED USING STANDARD 9/16"Ø ROUND HOLES PER THE LATEST AISC SPECIFICATION.
- 1/4" BOTTOM FLANGE PLATE.
- 1/4" TRANSVERSE STIFFENER PLATE.
- (2) ROWS OF BOLTS. (3) ROWS SHOWN FOR REFERENCE.
- LOCATE ON BEAM GAGE. SEE BEAM GAGE DETAIL (LE2B).
- WIDTH TO MATCH LEAST OF BEAM FLANGE WIDTH OR COLUMN FLANGE WIDTH.
- 1/4" SHEAR TAB. SEE BOLTED CONNECTION DETAIL (LE2A) FOR BOLT AND BOLT SPACING REQUIREMENTS.
- FOR PLATES OVER 8" IN LENGTH, USE 2" EACH END OF PLATE AND 1 1/2" AT 6" O.C. MAX IN BETWEEN. FOR PLATES 8" OR LESS IN LENGTH, USE CONTINUOUS WELD.
- TYP TRANSVERSE STIFFENER PLATE TO COLUMN.
- 5/16" MAX GAP. FILL GAP WITH FINGER SHIMS PRIOR TO TIGHTENING BOLTS.

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.



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SCALE	NTS	DRAWN BY	NM	DATE	REVIEW BY	NM	REVIEW DATE
				7/7/2025			7/7/2025

SHIP TO  
CODEL DOOR  
1601 INDUSTRIAL WAY  
PUYALLUP, WA 98371

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

ORDER/SERIAL NUMBER	REVISION
U178152	A
DRAWING SET SD	DRAWING SE DETAILS - G

- NOTE:
- BOOTH IS FABRICATED FROM 18 GAGE GALVANIZED SHEET STEEL; PRE-PUNCHED AND COMPANION FLANGED FOR BOLT TOGETHER ASSEMBLY.
  - SOLENOID VALVE REQUIRED FOR INTERLOCKING SPRAY AIR WITH LIGHT LIMIT SWITCH AND EXHAUST. (VALVE CAN BE ORDERED AS AN OPTION FROM GFS)
  - 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.
  - WALL SHUTTER, IF APPLICABLE, DOES NOT MEET NFPA CODE. DISCHARGE POINT MUST BE 6' FROM EXTERIOR WALL OR ROOF.
  - INCLUDED BUT NOT SHOWN:
    - MANOMETER
    - 1/2" SOLENOID VALVE
  - CONTROLS FOR "A" INCLUDED ON "F".

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

**NATIONAL FIRE PREVENTION ASSOCIATION**

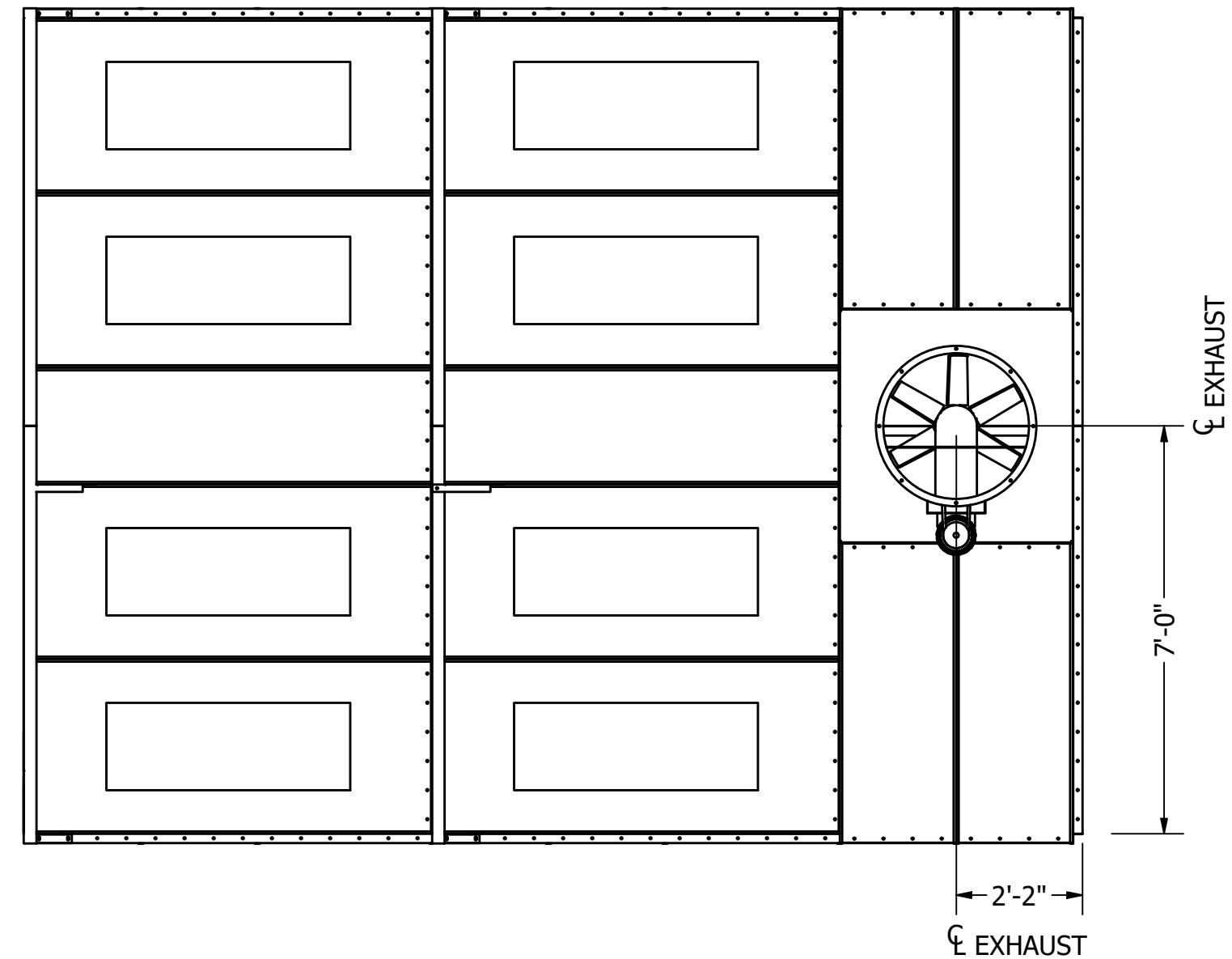
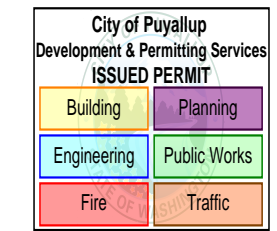
- AIR EXHAUSTED TO THE ATMOSPHERE FROM LIQUID SPRAY OPERATIONS SHALL BE CONDUCTED BY DUCTS DIRECTLY TO THE OUTSIDE OF THE BUILDING.
- EXHAUST DUCTS SHALL FOLLOW THE MOST DIRECT ROUTE TO THE POINT OF DISCHARGE BUT SHALL NOT PENETRATE A FIRE WALL.
- THE EXHAUST DISCHARGE SHALL BE DIRECTED AWAY FROM ANY 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.

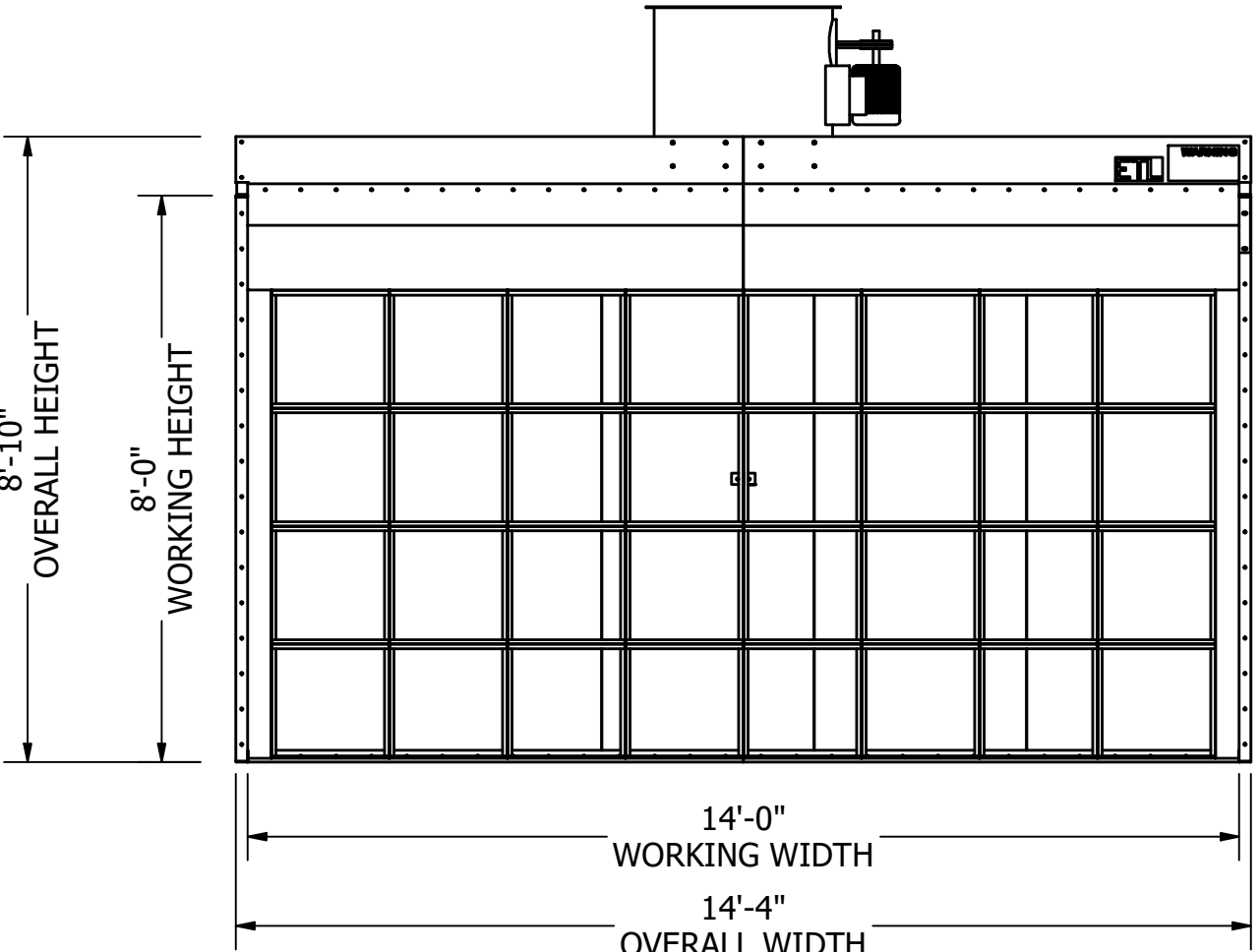
DUCTWORK SHOWN IS FOR REPRESENTATION ONLY. DUCTWORK CAN BE PURCHASED AS ADDITIONAL EQUIPMENT FROM GFS.

See AFS drawings. Job #756S

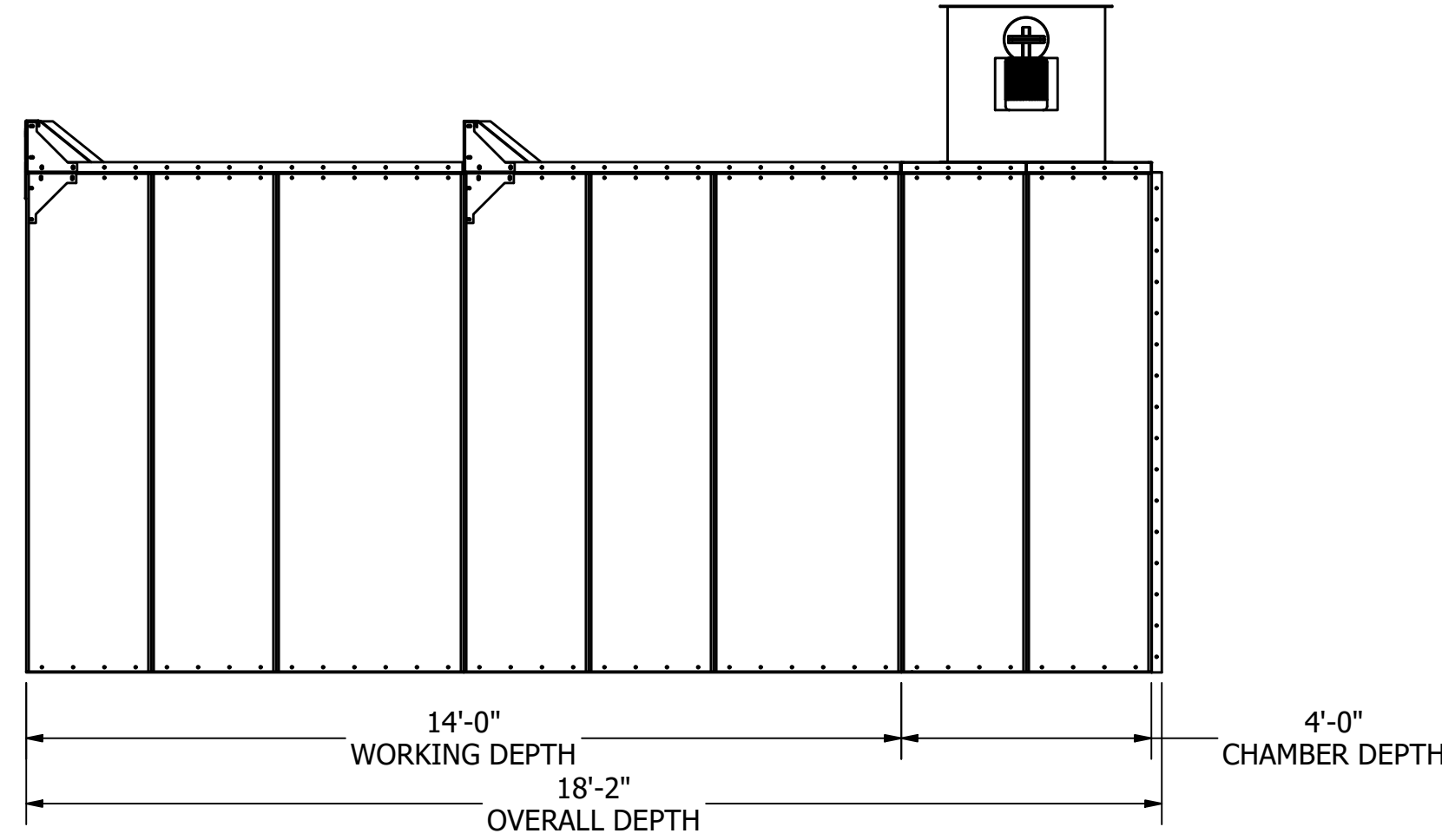


PLAN VIEW

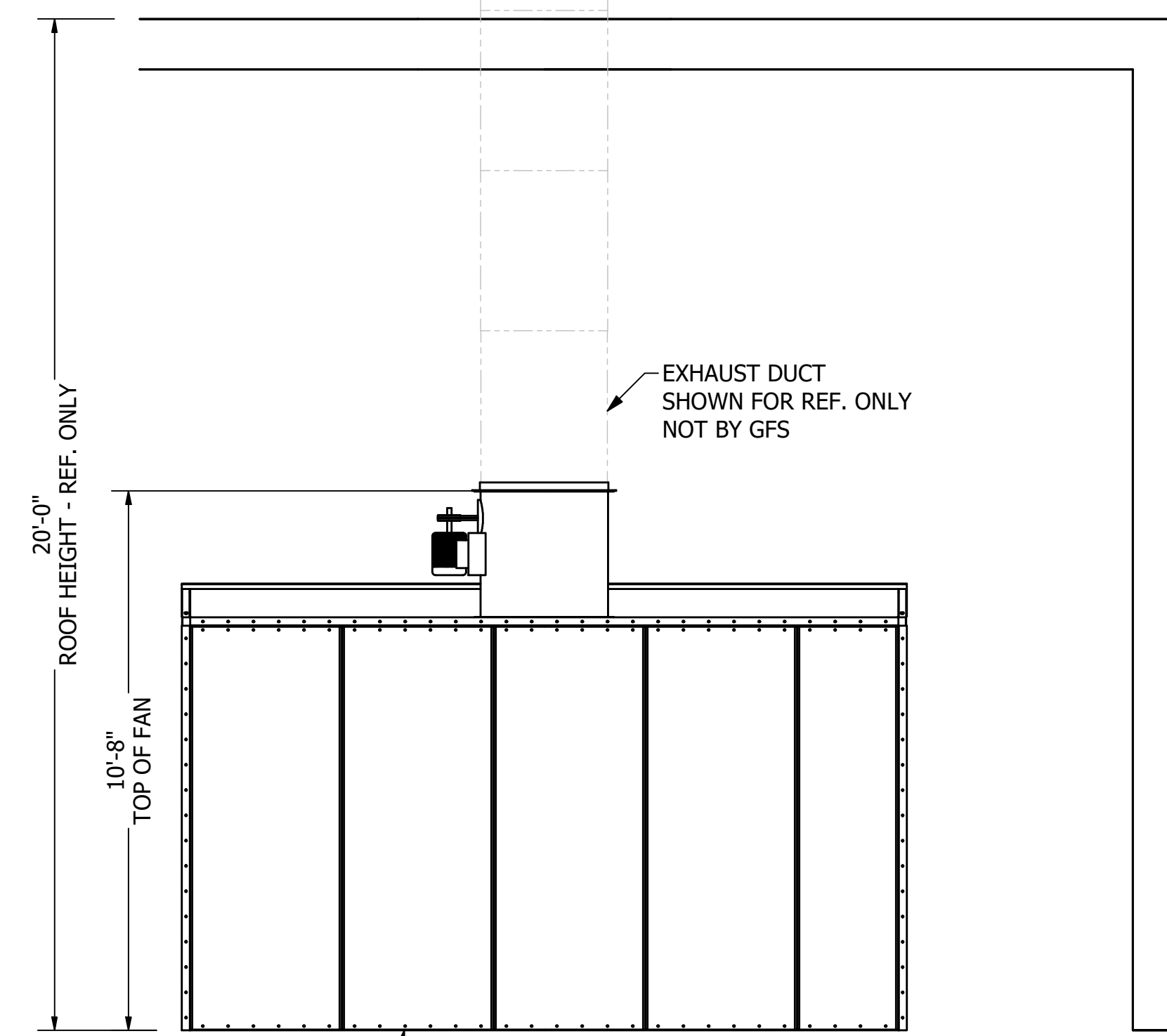
THE EXHAUST FAN HAS BEEN SIZED WITH AN EXTERNAL STATIC PRESSURE (ESP) OF: 0.5", OF WHICH, AN ALLOWANCE OF 0.125" OF STATIC PRESSURE HAS BEEN MADE AVAILABLE FOR CUSTOMER PROVIDED DUCT. IF THE DUCT ALLOWANCE IS NOT ACCURATE, PLEASE CONSULT GFS FOR RESIZING OF THE FAN(S).



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.

BOOTH EQUIPMENT SPECIFICATIONS	
<b>EXHAUST FAN</b>	
PART #	FAN-30VP-050T3T
DIAMETER	30
TOTAL CFM	11200
STATIC PRESSURE	0.5
HORSEPOWER	5
VOLTAGE	460
PHASE	3
ENCLOSURE	TEFC
QUANTITY	1
<b>LIGHTS</b>	
PART #	LABW12-4-LED
SIZE	48
TUBES - INCLUDED	4
TYPE	LED
VOLTAGE	120/277
RATING	CLASS 1 DIV. 2
ACCESS	INSIDE
QUANTITY	8
<b>INTAKE FILTERS</b>	
PART #	NA
SIZE	NA
QUANTITY	NA
<b>EXHAUST FILTERS</b>	
PART #	FIL-EPP-2020-W
SIZE	20X20X2
QUANTITY	32
<b>FRONT DOOR</b>	
SIZE	NA
TYPE	NA
STYLE	NA
<b>REAR DOOR</b>	
SIZE	NA
TYPE	NA
STYLE	NA
<b>PERSONNEL DOOR</b>	
SIZE	NA
TYPE	NA
QUANTITY	NA
<b>ELECTRICAL INFO</b>	
OPERATING VOLTAGE	480 VOLT 3PH 4W 60HZ
FULL LOAD AMPS	61
LARGEST MOTOR HP	20
TOTAL HP	35
LIGHTING VOLTAGE	277
77 AMP MIN SERVICE REQ	

CONTROLS FOR "F" SHOWN HERE FOR CLARITY

EXHAUST DUCT SHOWN FOR REF. ONLY NOT BY GFS

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 Mesa, AZ 85202



SCALE	3/8" = 1'-0"
DRAWN BY	NM
DATE	7/7/2025
REVIEW BY	NM
REVIEW DATE	7/7/2025

MODEL INFO	DFOCG-140814-NSB DRY FILTER BOOTH, 14' W x 8' H x 14' L, GALV.
SHIP TO	CODEL DOOR 1601 INDUSTRIAL WAY PUYALLUP, WA 98371
SOLD TO	ADVANCED FINISHING SYSTEMS 7515 NE 33RD DRIVE PORTLAND, OR 97211
ORDER/SERIAL NUMBER	U178152-A
DRAWING SET	SD
REVISION	A
DRAWING	A-GA

- NOTE:
- BOOTH IS FABRICATED FROM 18 GAGE GALVANIZED SHEET STEEL; PRE-PUNCHED AND COMPANION FLANGED FOR BOLT TOGETHER ASSEMBLY.
  - SOLENOID VALVE REQUIRED FOR INTERLOCKING SPRAY AIR WITH LIGHT LIMIT SWITCH AND EXHAUST. (VALVE CAN BE ORDERED AS AN OPTION FROM GFS)
  - 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.
  - WALL SHUTTER, IF APPLICABLE, DOES NOT MEET NFPA CODE. DISCHARGE POINT MUST BE 6' FROM EXTERIOR WALL OR ROOF.
  - INCLUDED BUT NOT SHOWN:
    - MANOMETER
    - 1/2" SOLENOID VALVE
  - CONTROLS FOR "B" INCLUDED ON "F".

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

**NATIONAL FIRE PREVENTION ASSOCIATION**

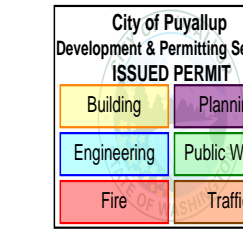
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DUCTWORK SHOWN IS FOR REPRESENTATION ONLY. DUCTWORK CAN BE PURCHASED AS ADDITIONAL EQUIPMENT FROM GFS.

See AFS drawings. Job #756S



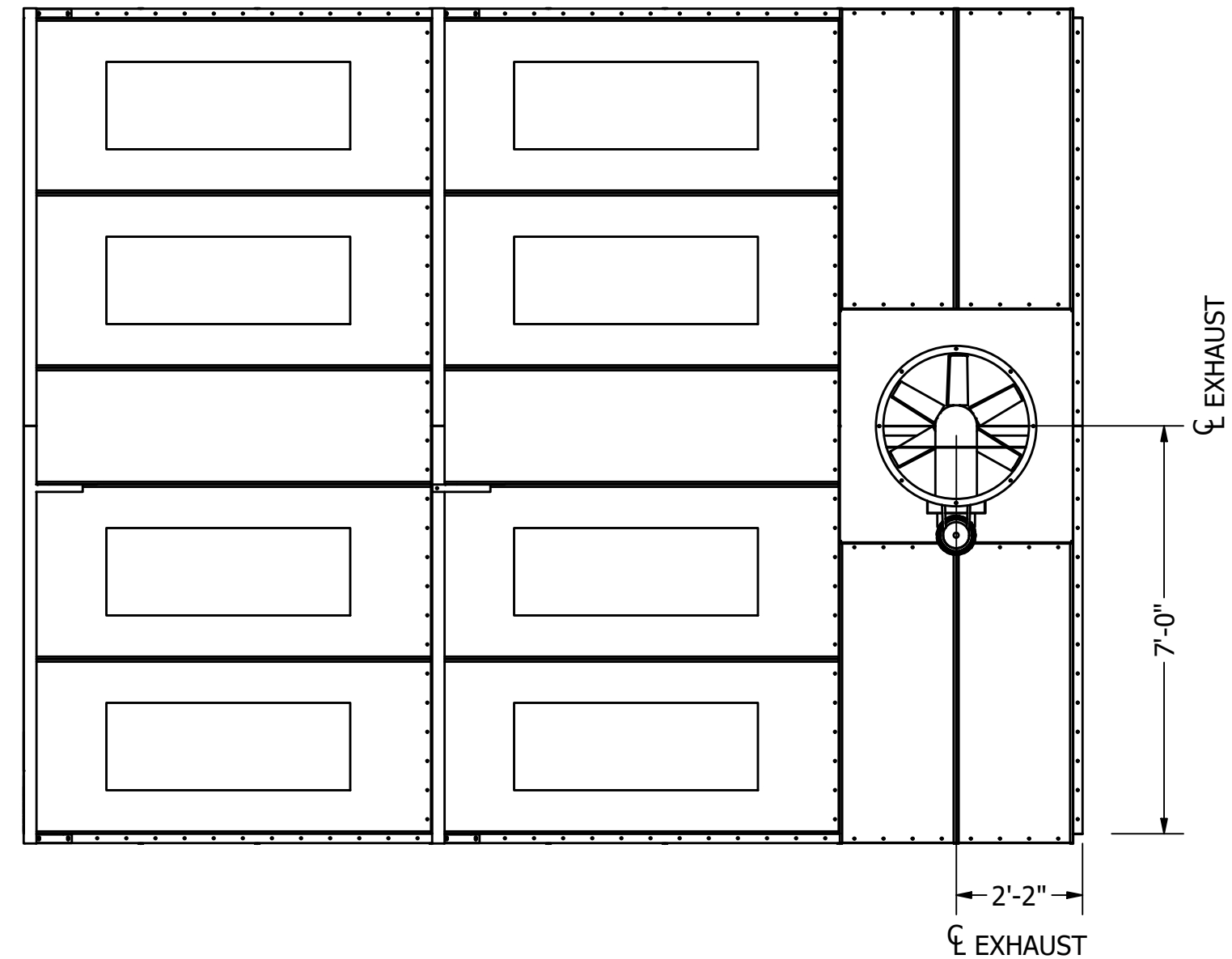
**BOOTH EQUIPMENT SPECIFICATIONS**

EXHAUST FAN	
PART #	FAN-30VP-050T3T
DIAMETER	30
TOTAL CFM	11200
STATIC PRESSURE	0.5
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	61
LARGEST MOTOR HP	20
TOTAL HP	35
LIGHTING VOLTAGE	277
77 AMP MIN SERVICE REQ	

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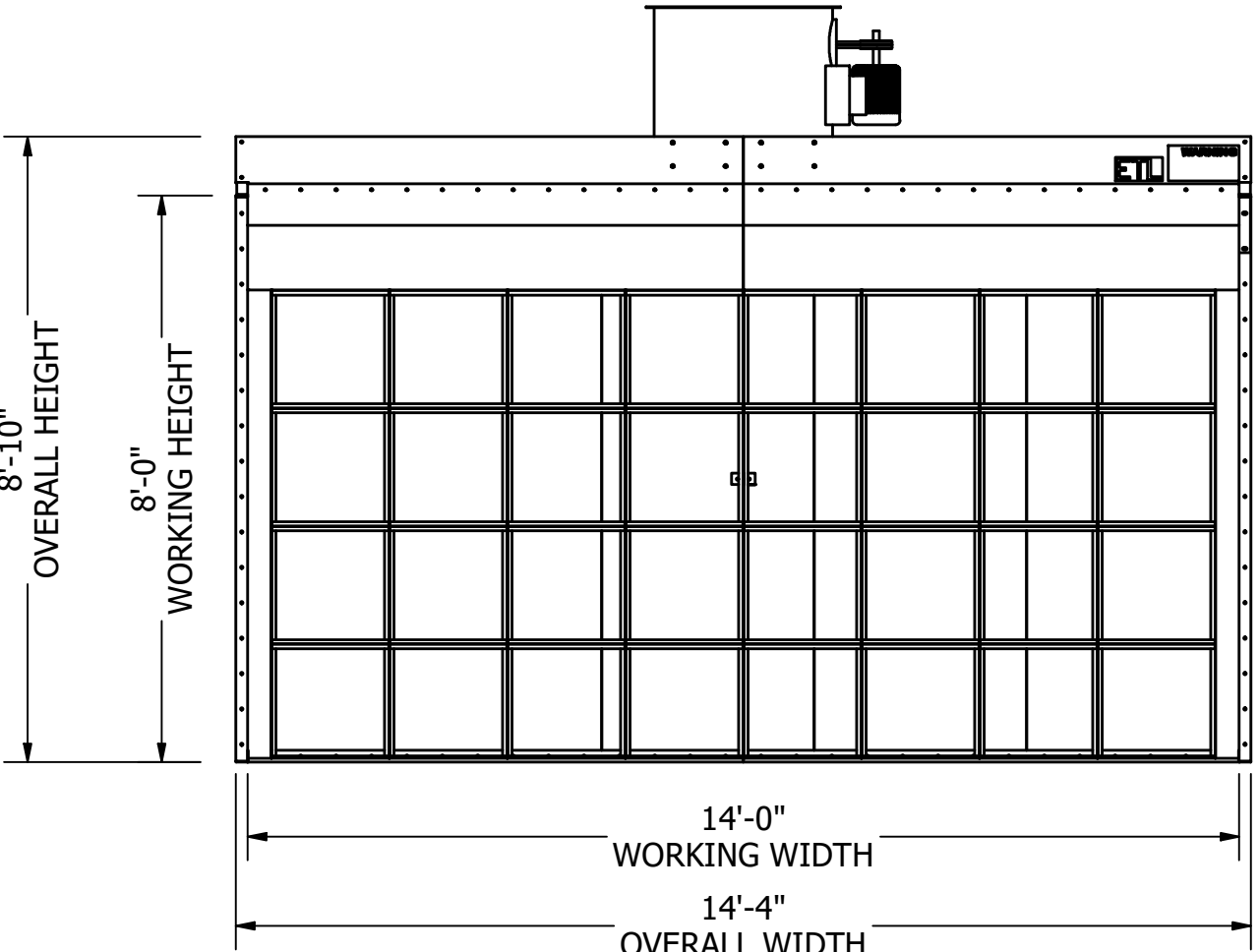
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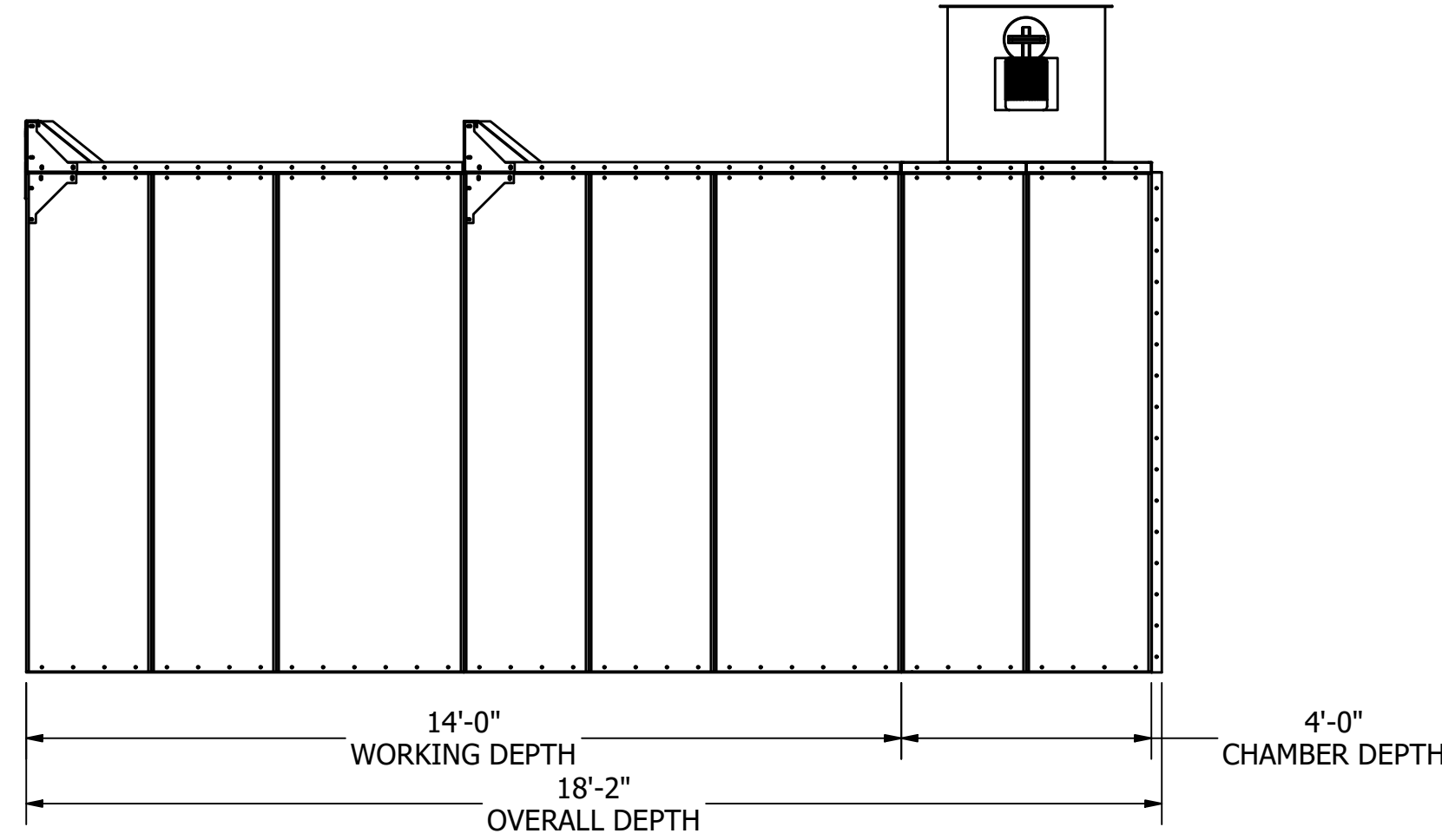


PLAN VIEW

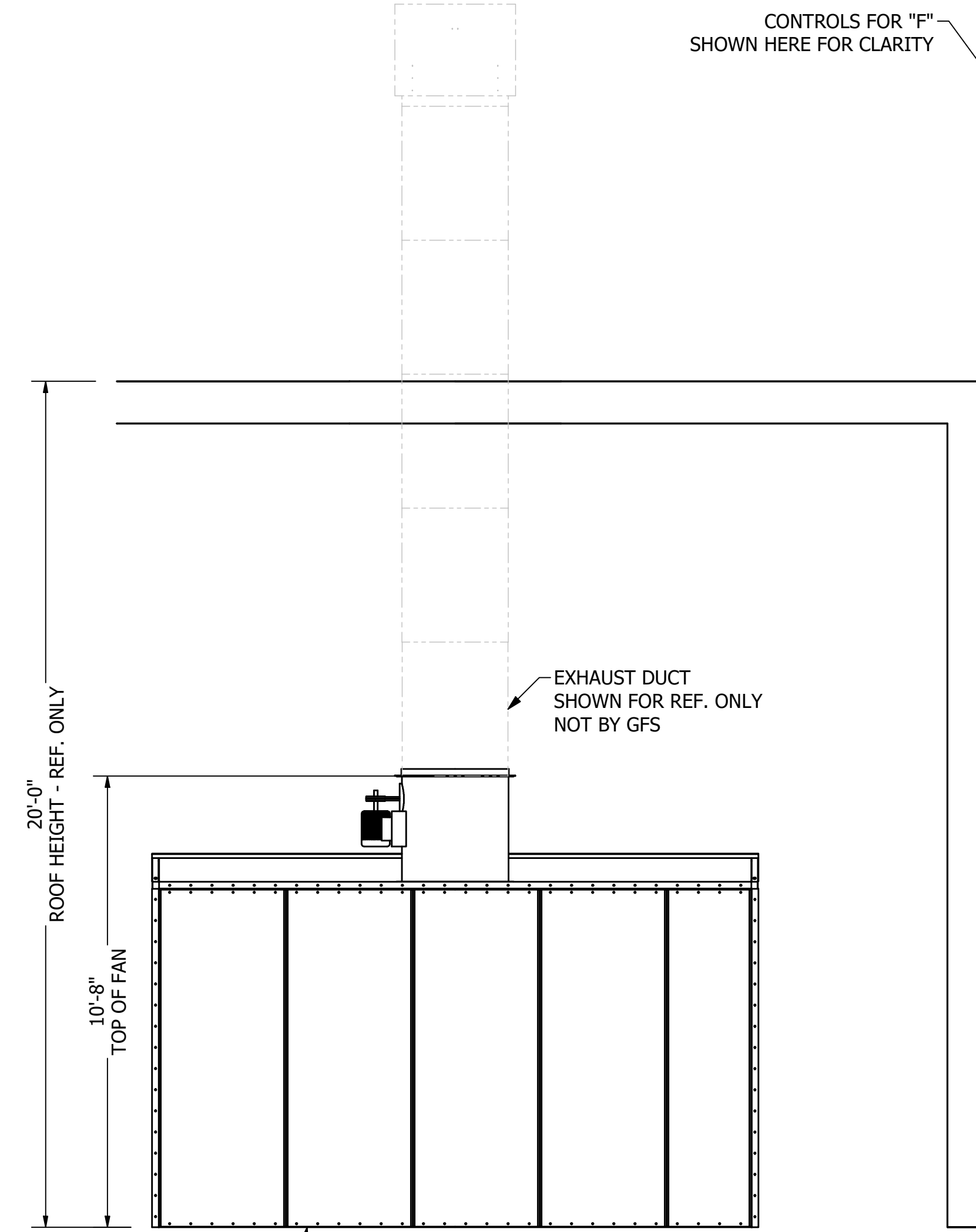
THE EXHAUST FAN HAS BEEN SIZED WITH AN EXTERNAL STATIC PRESSURE (ESP) OF: 0.5", OF WHICH, AN ALLOWANCE OF 0.125" OF STATIC PRESSURE HAS BEEN MADE AVAILABLE FOR CUSTOMER PROVIDED DUCT. IF THE DUCT ALLOWANCE IS NOT ACCURATE, PLEASE CONSULT GFS FOR RESIZING OF THE FAN(S).



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.



SCALE	3/8" = 1'-0"
DRAWN BY	NM
DATE	7/7/2025
REVIEW BY	NM
REVIEW DATE	7/7/2025

MODEL INFO	DFOCG-140814-NSB	SHIP TO	CODEL DOOR
	DRY FILTER BOOTH, 14' W x 8' H x 14' L, GALV.		1601 INDUSTRIAL WAY
		SOLD TO	PUYALLUP, WA 98371
			ADVANCED FINISHING SYSTEMS
			7515 NE 33RD DRIVE
			PORTLAND, OR 97211
ORDER/SERIAL NUMBER		U178152-B	
DRAWING SET	SD	REVISION	A
DRAWING B-GA			

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

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

**NATIONAL FIRE PREVENTION ASSOCIATION**

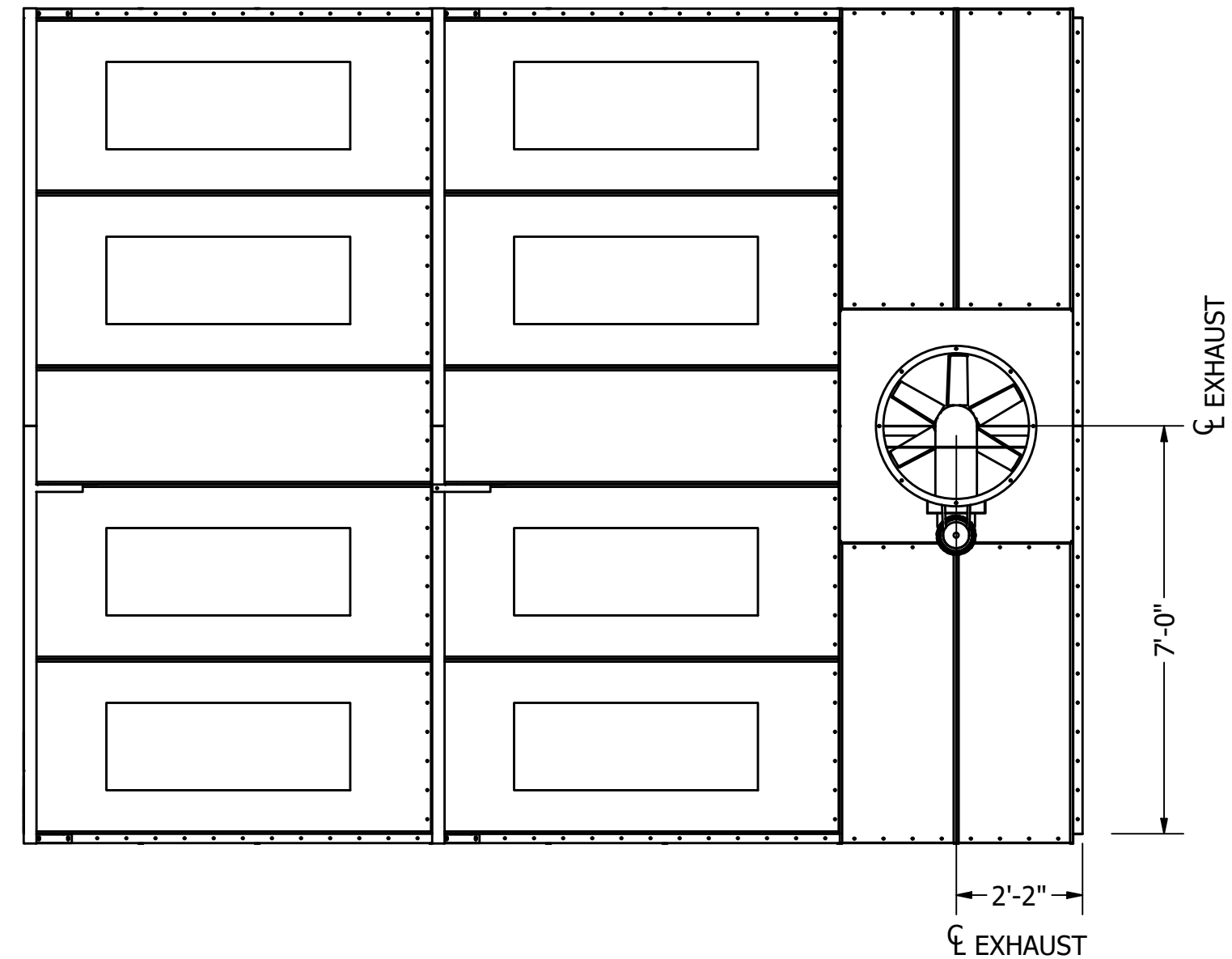
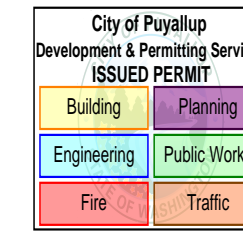
- AIR EXHAUSTED TO THE ATMOSPHERE FROM LIQUID SPRAY OPERATIONS SHALL BE CONDUCTED BY DUCTS DIRECTLY TO THE OUTSIDE OF THE BUILDING.
- EXHAUST DUCTS SHALL FOLLOW THE MOST DIRECT ROUTE TO THE POINT OF DISCHARGE BUT SHALL NOT PENETRATE A FIRE WALL.
- THE EXHAUST DISCHARGE SHALL BE DIRECTED AWAY FROM ANY 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.

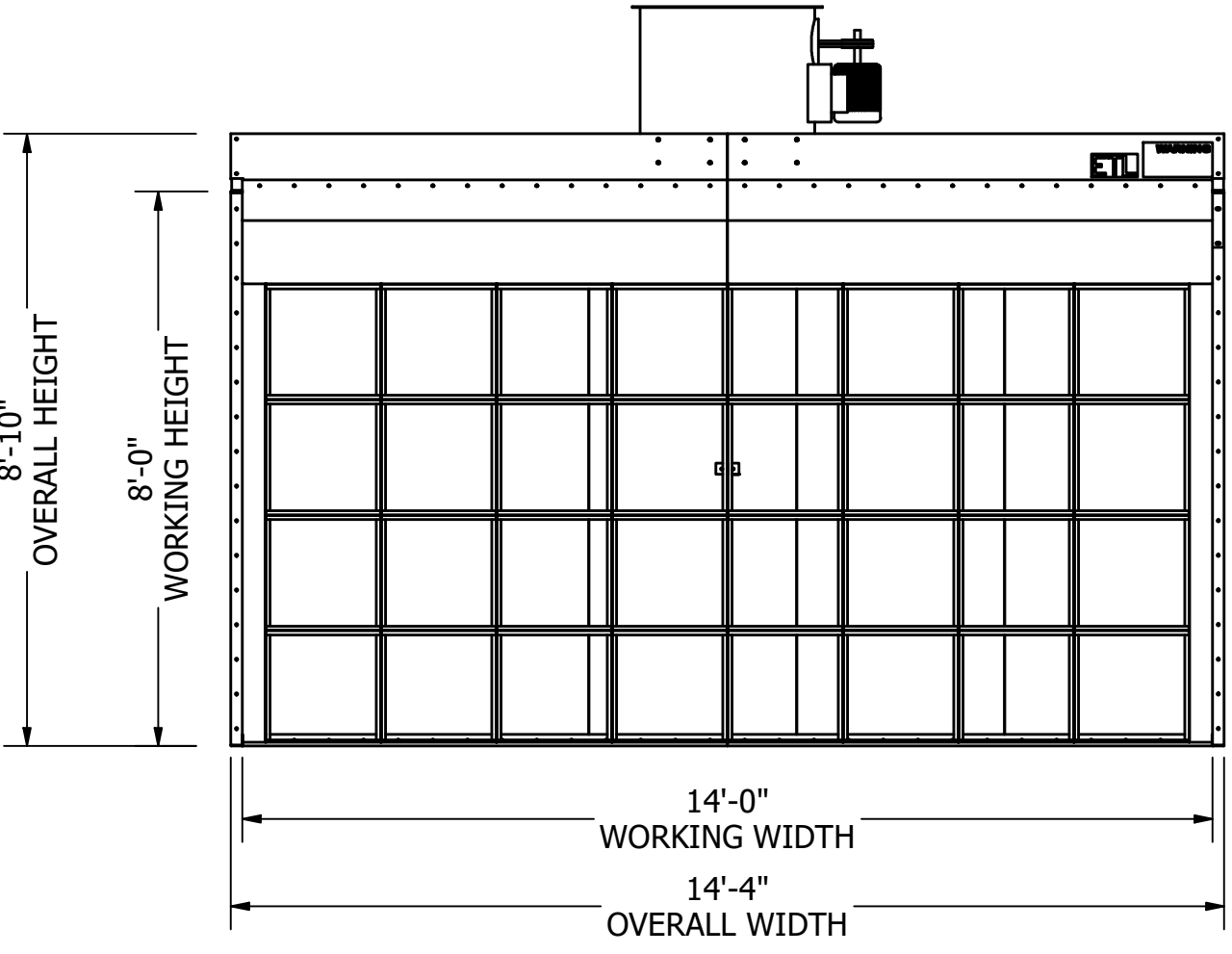
DUCTWORK SHOWN IS FOR REPRESENTATION ONLY. DUCTWORK CAN BE PURCHASED AS ADDITIONAL EQUIPMENT FROM GFS.

See AFS drawings. Job #756S

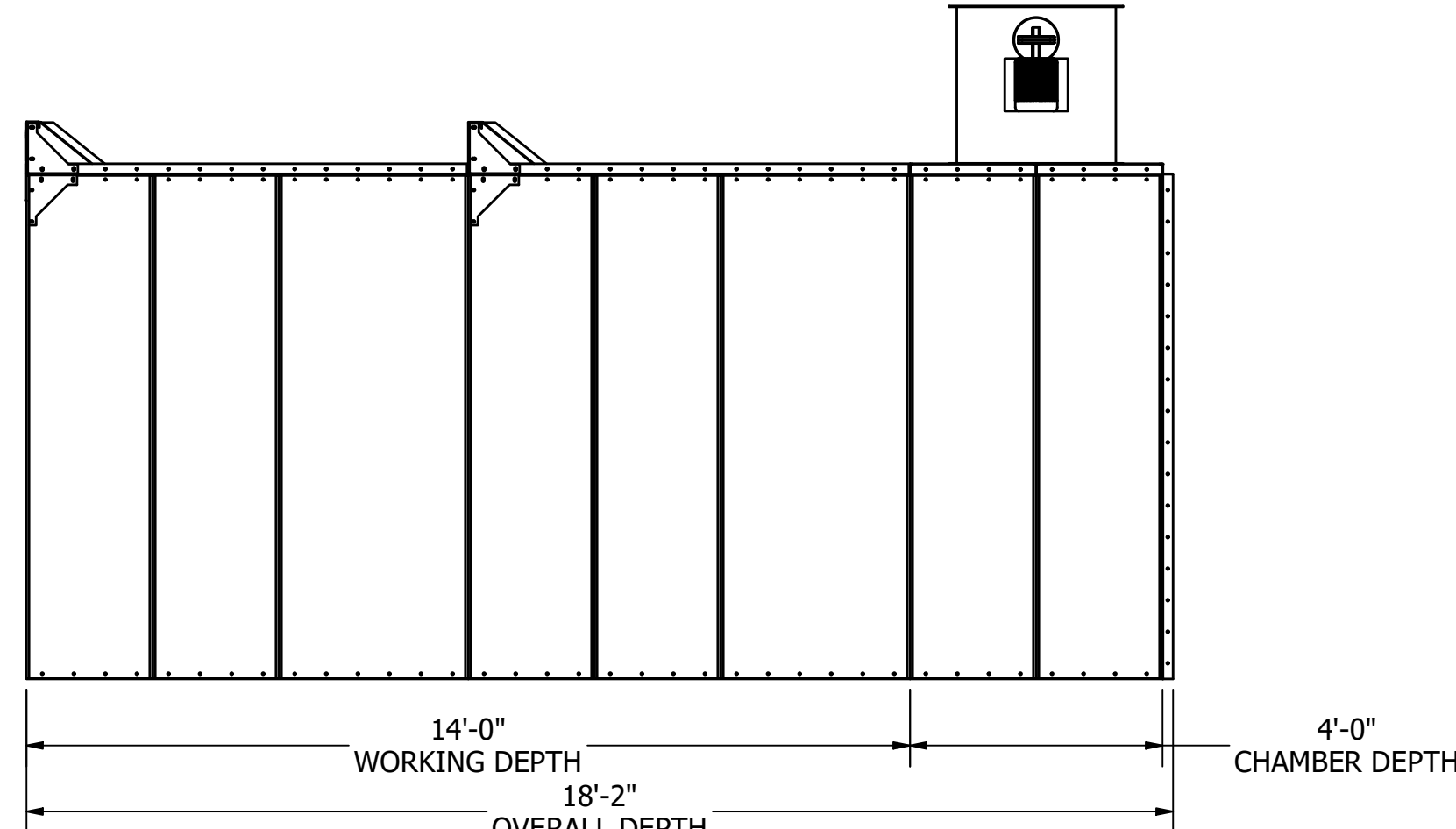


PLAN VIEW

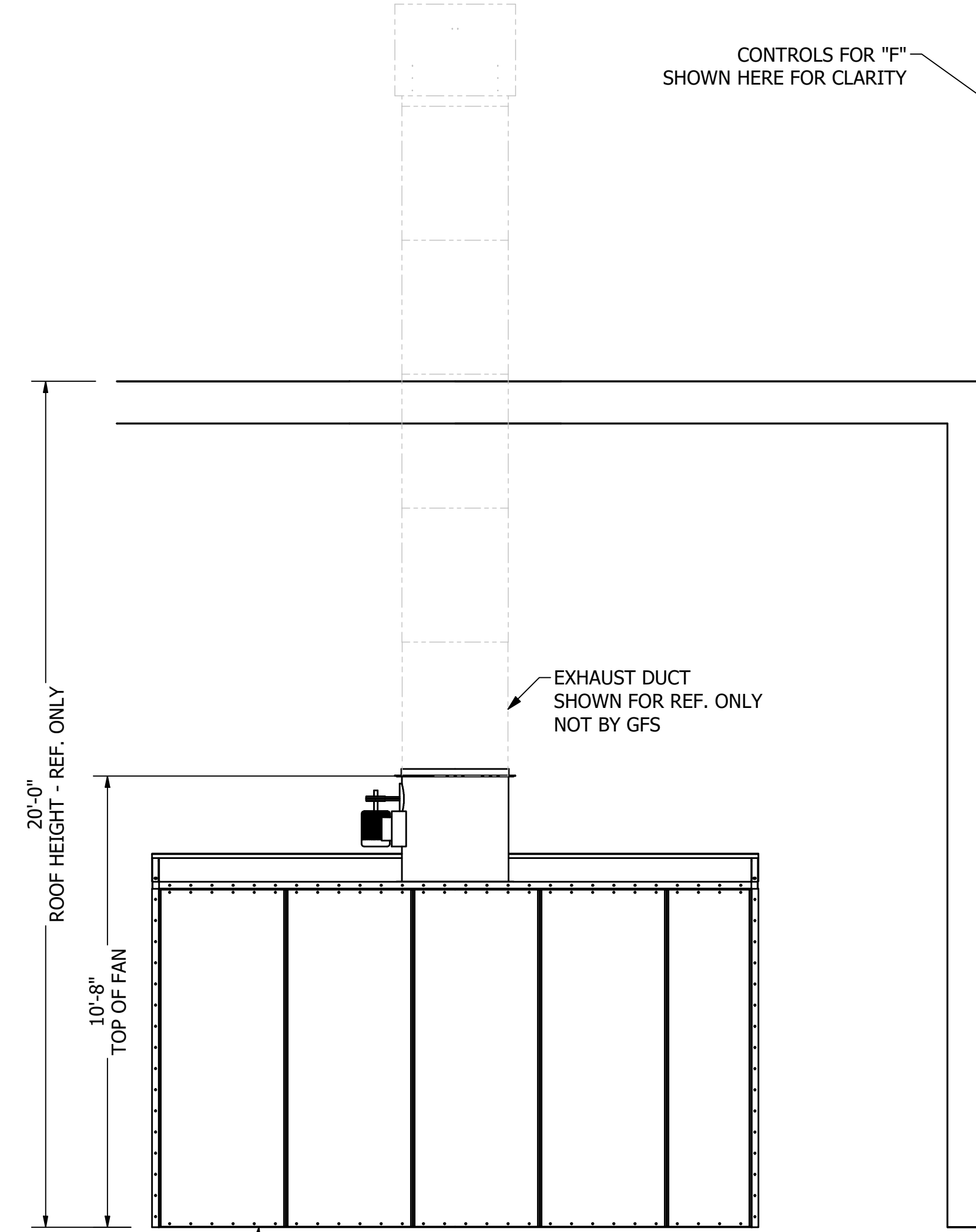
THE EXHAUST FAN HAS BEEN SIZED WITH AN EXTERNAL STATIC PRESSURE (ESP) OF: 0.5", OF WHICH, AN ALLOWANCE OF 0.125" OF STATIC PRESSURE HAS BEEN MADE AVAILABLE FOR CUSTOMER PROVIDED DUCT. IF THE DUCT ALLOWANCE IS NOT ACCURATE, PLEASE CONSULT GFS FOR RESIZING OF THE FAN(S).



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.

BOOTH EQUIPMENT SPECIFICATIONS	
<b>EXHAUST FAN</b>	
PART #	FAN-30VP-050T3T
DIAMETER	30
TOTAL CFM	11200
STATIC PRESSURE	0.5
HORSEPOWER	5
VOLTAGE	460
PHASE	3
ENCLOSURE	TEFC
QUANTITY	1
<b>LIGHTS</b>	
PART #	LABW12-4-LED
SIZE	48
TUBES - INCLUDED	4
TYPE	LED
VOLTAGE	120/277
RATING	CLASS 1 DIV. 2
ACCESS	INSIDE
QUANTITY	8
<b>INTAKE FILTERS</b>	
PART #	NA
SIZE	NA
QUANTITY	NA
<b>EXHAUST FILTERS</b>	
PART #	FIL-EPP-2020-W
SIZE	20X20X2
QUANTITY	32
<b>FRONT DOOR</b>	
SIZE	NA
TYPE	NA
STYLE	NA
<b>REAR DOOR</b>	
SIZE	NA
TYPE	NA
STYLE	NA
<b>PERSONNEL DOOR</b>	
SIZE	NA
TYPE	NA
QUANTITY	NA
<b>ELECTRICAL INFO</b>	
OPERATING VOLTAGE	
480 VOLT 3PH 4W 60HZ	
FULL LOAD AMPS	61
LARGEST MOTOR HP	20
TOTAL HP	35
LIGHTING VOLTAGE	277
77 AMP MIN SERVICE REQ	

PRCTI20251520

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SCALE	3/8" = 1'-0"
DRAWN BY	NM
DATE	7/7/2025
REVIEW BY	NM
REVIEW DATE	7/7/2025

MODEL INFO	DFOCG-140814-NSB
ORDER/SERIAL NUMBER	U178152-C
DRAWING SET	SD
REVISION	A
DRAWING	C-GA
SHIP TO	CODEL DOOR 1601 INDUSTRIAL WAY PUYALLUP, WA 98371
SOLD TO	ADVANCED FINISHING SYSTEMS 7515 NE 33RD DRIVE PORTLAND, OR 97211

- NOTE:
1. PAINT MIX ROOM IS FABRICATED FROM 18 GAGE GALVANIZED SHEET STEEL; PRE-PUNCHED AND COMPANION FLANGED FOR BOLT TOGETHER ASSEMBLY.
  2. 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.
  3. INCLUDED BUT NOT SHOWN:
    - (1) CONTROL PANEL

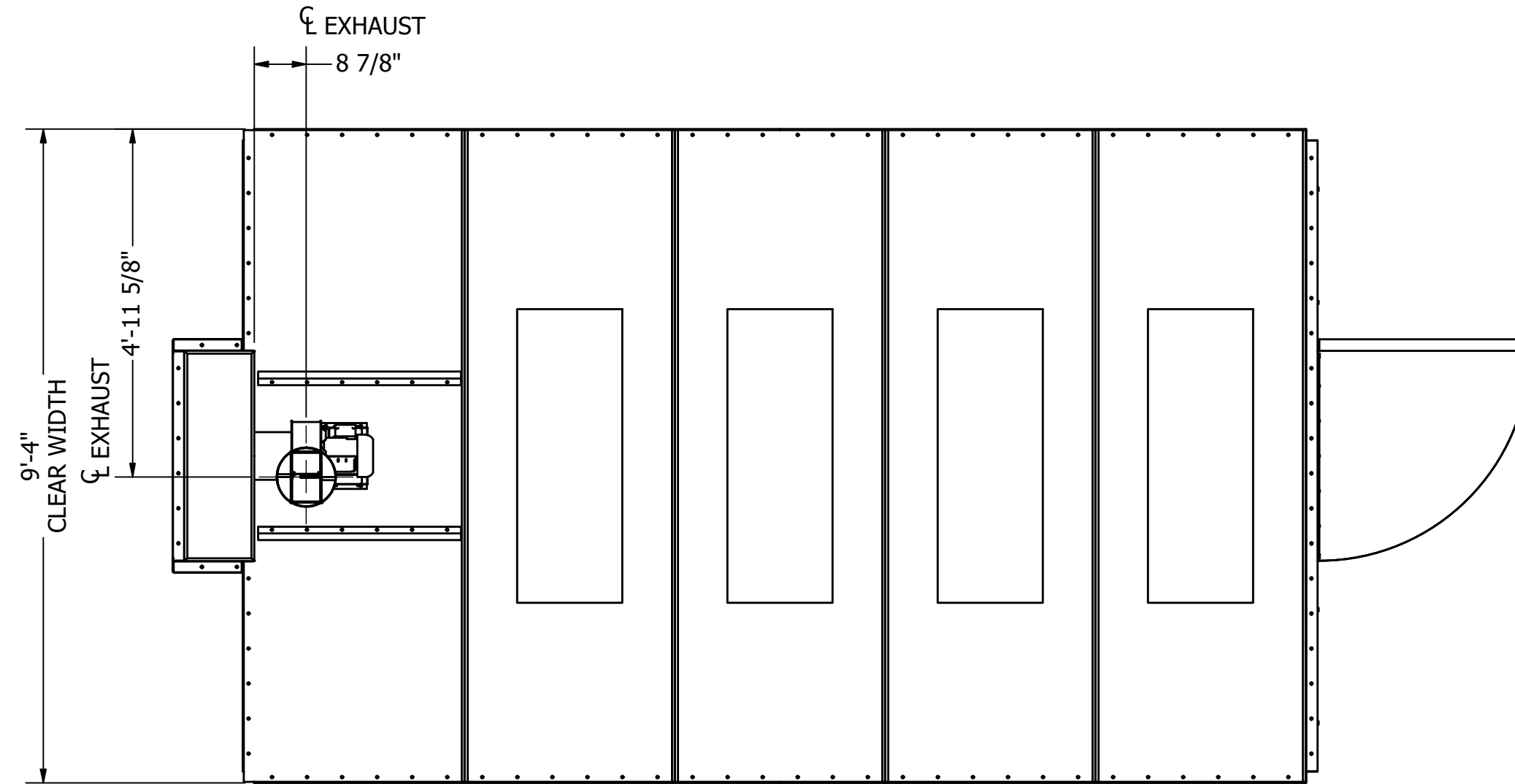
EXHAUST DUCT SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES.

**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.

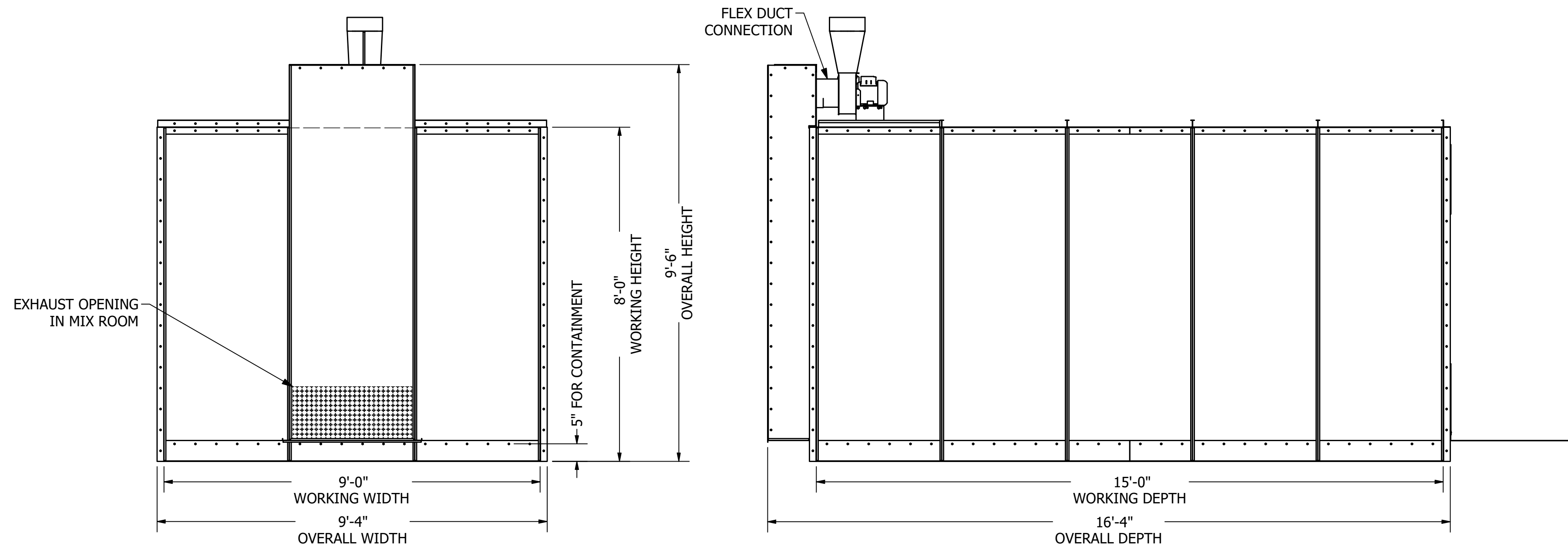
**INTERNATIONAL FIRE CODE**

- 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.



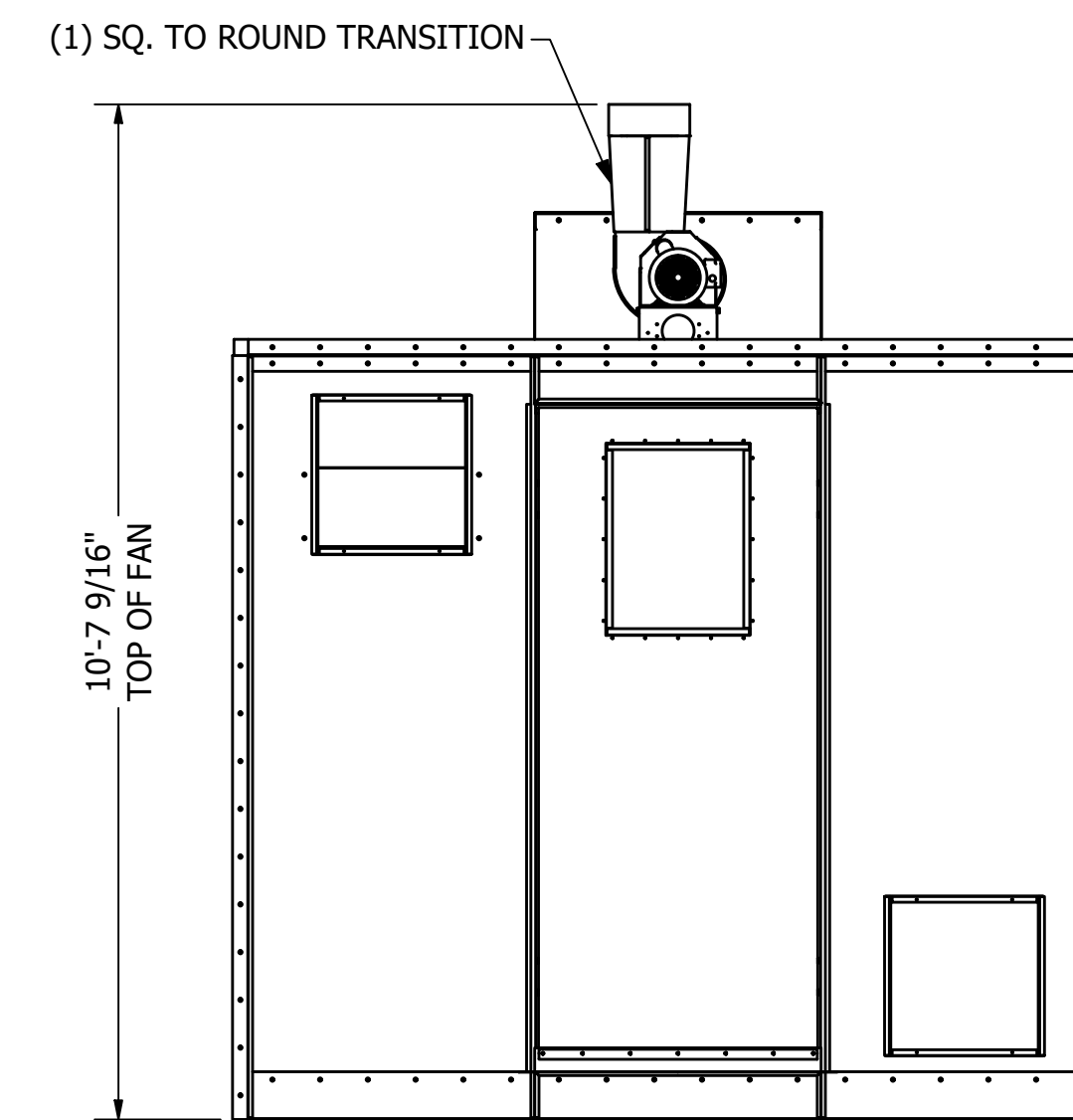
PLAN VIEW

THE EXHAUST FAN HAS BEEN SIZED WITH AN EXTERNAL STATIC PRESSURE (ESP) OF: 0.5", OF WHICH, AN ALLOWANCE OF 0.125" 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).

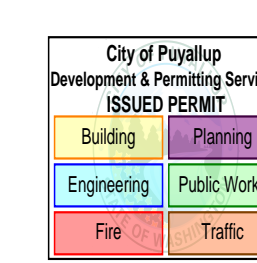


EXHAUST END ELEVATION

SIDE ELEVATION



INTAKE END ELEVATION



**BOOTH EQUIPMENT SPECIFICATIONS**

EXHAUST FAN	
PART #	206-241-A
DIAMETER	10
CFM	949
STATIC PRESSURE	1/2"
HORSEPOWER	1/2
VOLTAGE	120/230
PHASE	1
ENCLOSURE	TEFC
QUANTITY	1
LIGHTS	
PART #	LABW12-4-LED
SIZE	48"
TUBES - (INCL.)	4
TYPE	LED
VOLTAGE	120/277
RATING	CLASS 1 DIV. 2
ACCESS	INSIDE ACCESS
QUANTITY	4
INTAKE FILTERS	
PART #	217-012
SIZE	20"x20"x1"
QUANTITY	3
MAN ACCESS DOOR	
SIZE	3' x 7'
TYPE	UNIV. w/WINDOW
QTY	1
ELECTRICAL INFO	
OPERATING VOLTAGE	
120 VOLT 1PH 2W 60HZ	
FULL LOAD AMPS	16
LARGEST MOTOR HP	1/2
TOTAL HP	1/2
LIGHTING VOLTAGE	120
20 AMP MIN SERVICE REQ	

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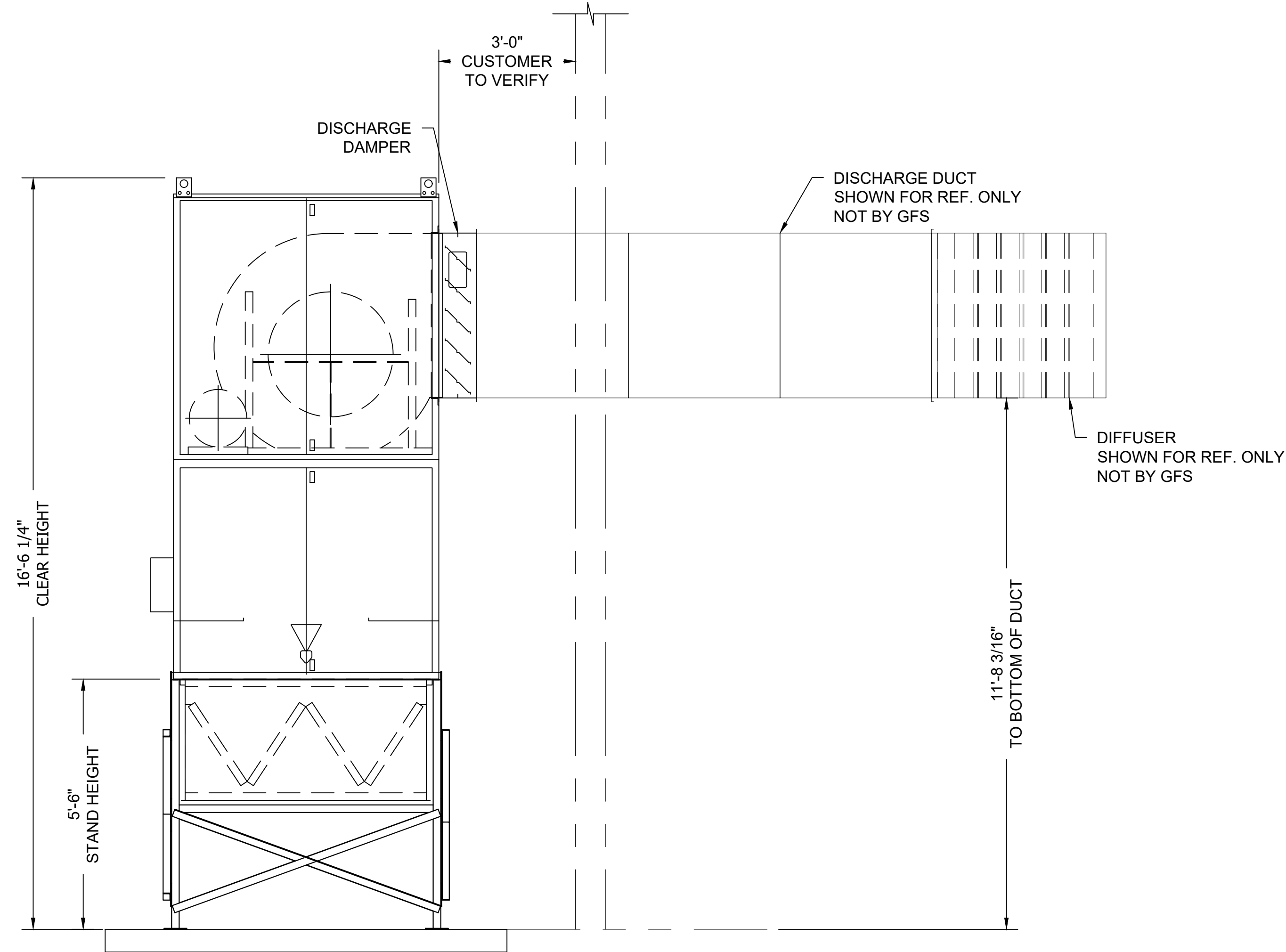
SCALE	1/24	DRAWN BY	NM	DATE	7/7/2025	REVIEW BY	NM	REVIEW DATE	7/7/2025
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MODEL INFO IMRG-150908-4 MIXROOM, 9' W x 8' H x 15' L, GALV.	SHIP TO	CODEL DOOR 1601 INDUSTRIAL WAY PUYALLUP, WA 98371
	SOLD TO	ADVANCED FINISHING SYSTEMS 7515 NE 33RD DRIVE PORTLAND, OR 97211
ORDER/SERIAL NUMBER U178152-D		
DRAWING SET SD	REVISION A	
DRAWING D-GA		

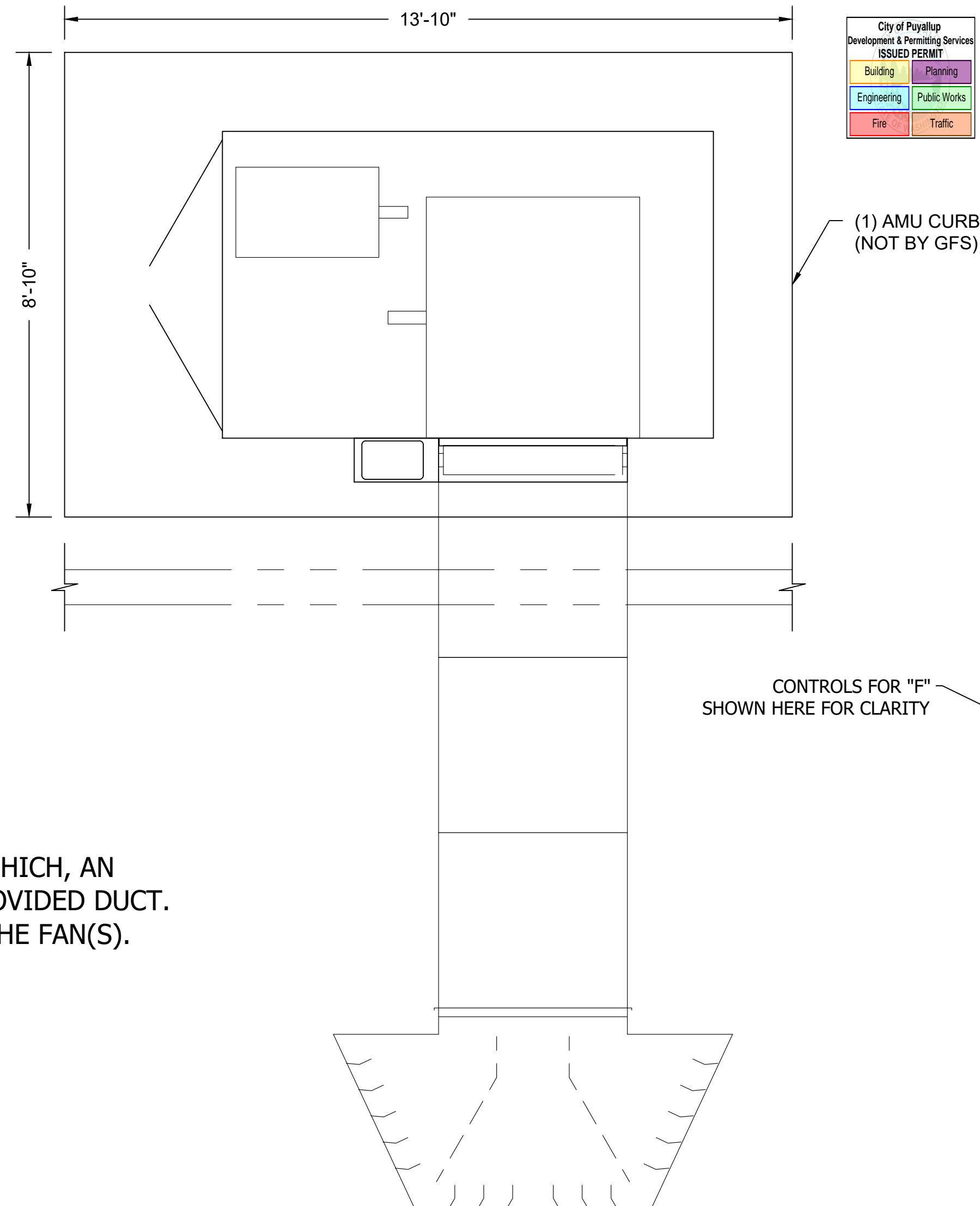
NOTES:

- STAND IS FABRICATED FROM TUBE AND ANGLE FRAMES WITH CHANNEL SUPPORTS. STAND IS PAINTED GRAY.
- 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.
- INCLUDED, BUT NOT SHOWN:  
(1) RUPP CONTROL PANEL w/ START/STOP INTERLOCK
- CONTROLS FOR "E" INCLUDED ON "F"

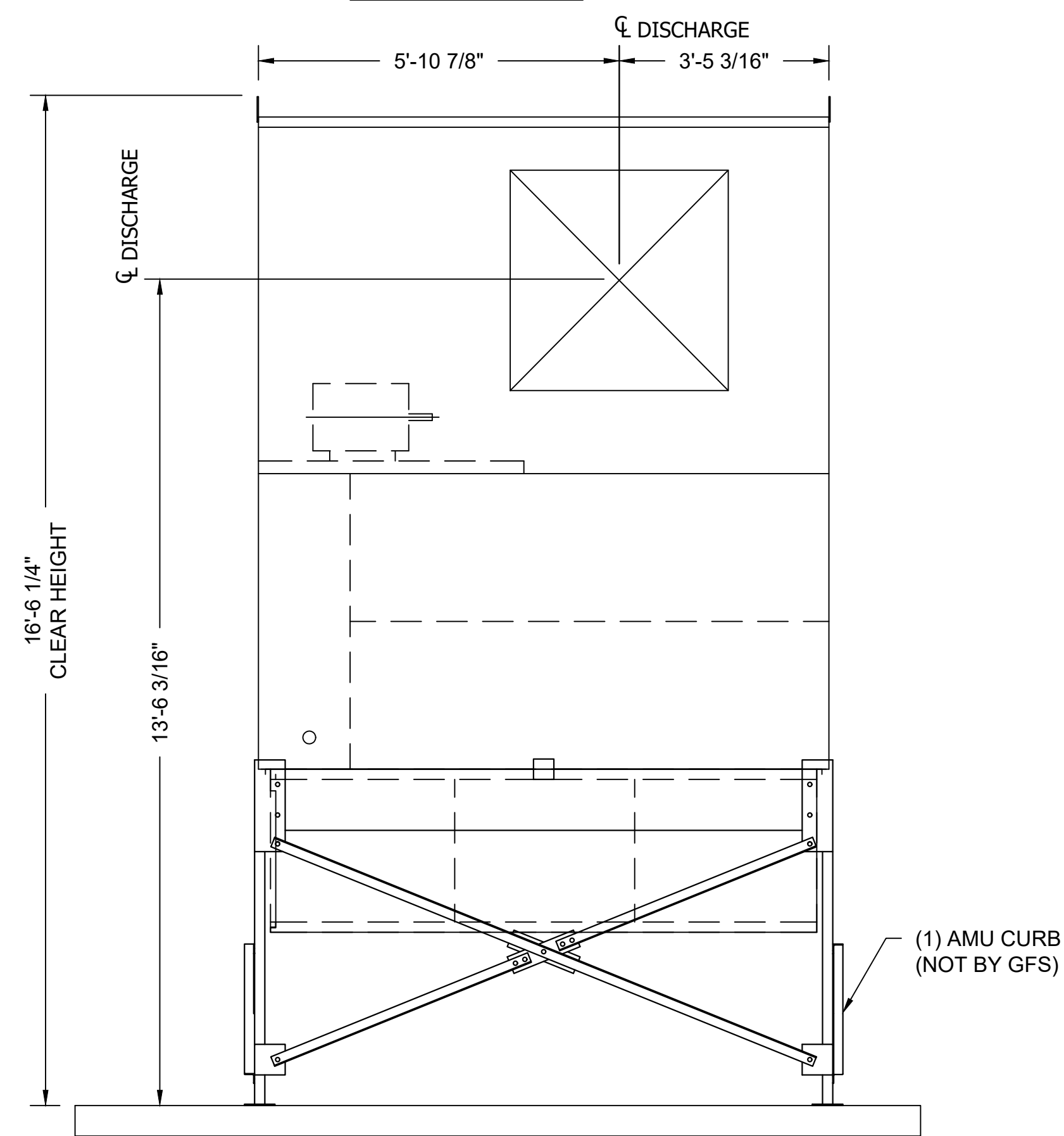
THE AMU HAS BEEN SIZED WITH AN EXTERNAL STATIC PRESSURE (ESP) OF: 0.5", OF WHICH, AN ALLOWANCE OF 0.5" OF STATIC PRESSURE HAS BEEN MADE AVAILABLE FOR CUSTOMER PROVIDED DUCT. IF THE DUCT ALLOWANCE IS NOT ACCURATE, PLEASE CONSULT GFS FOR RESIZING OF THE FAN(S).



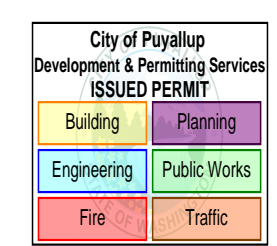
**SIDE ELEVATION**



**PLAN VIEW**



**FRONT ELEVATION**



BOOTH EQUIPMENT SPECIFICATIONS	
AIR MAKE-UP UNIT	
PART #	1083331
MODEL #	CFA 36
ARRANGEMENT	VERTICAL
LOCATION	OUTDOOR
HEAT SOURCE	DIRECT FIRED
OUTPUT BTU/HR	2,177,000
TEMP. RISE	60°F
GAS PRESSURE	29"-5#
GAS TYPE	NG
CFM	33,600
DUCT ESP	1/2"
HORSEPOWER	20
VOLTAGE	460
PHASE	3
MOTOR	ODP
GAS INLET SIZE	1"
UNIT WEIGHT	4,256
QUANTITY	1

MINIMUM 36" AREA IN FRONT OF AMU ACCESS DOORS TO BE CLEAR OF PIPING AND WIRING TO ENSURE ADEQUATE CLEAR AREA FOR MAINTENANCE

ELECTRICAL INFO	
OPERATING VOLTAGE	
480 VOLT 3PH 4W 60HZ	
FULL LOAD AMPS	61
LARGEST MOTOR HP	20
TOTAL HP	35
LIGHTING VOLTAGE	277
77 AMP MIN SERVICE REQ	

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 WA License No. 54612  
 2058 S Dobson Rd. Suite 10  
 Mesa, AZ 85202

SCALE	1/2" = 1'-0"
DRAWN BY	NM
DATE	7/7/2025
REVIEW BY	NM
REVIEW DATE	7/7/2025
MODEL INFO	AMU-CFA-36-OVS-SP AIR MAKEUP UNIT
SOLD TO	ADVANCED FINISHING SYSTEMS 7515 NE 33RD DRIVE PORTLAND, OR 97211
SHIP TO	CODEL DOOR 1601 INDUSTRIAL WAY PUYALLUP, WA 98371
ORDER/SERIAL NUMBER	U178152-E
DRAWING SET	SD
REVISION	A
DRAWING	E-GA

NOTES:

- BOOTH IS FABRICATED FROM UNPAINTED 18 GAGE GALVANIZED SHEET STEEL; PRE-PUNCHED AND COMPANION FLANGED FOR BOLT TOGETHER ASSEMBLY.
- BOOTH'S SUPPORT STRUCTURE IS FABRICATED FROM I-BEAM w/MOMENT CONNECTIONS; PRE-DRILLED AND FACTORY PRIMED GRAY.
- 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.
- WALL SHUTTER, IF APPLICABLE, DOES NOT MEET NFPA CODE. DISCHARGE POINT MUST BE 6' FROM EXTERIOR WALL OR ROOF.
- INCLUDED, BUT NOT SHOWN:  
(1) CONTROL PANEL w/ SOFT START VFD & RECIPE ACTIVATION  
(4) DOOR LIMIT SWITCHES
- DUE TO MINIMUM HEAT GAIN FROM RECIRC FANS, THE MINIMUM OVEN OPERATING TEMPERATURE WILL BE DEPENDENT ON AMBIENT AIR TEMPERATURE. AMBIENT TEMPERATURES ABOVE 75°F MAY NOT ALLOW FOR OPERATING THE OVEN AT THE MINIMUM OPERATING TEMPERATURE (100°F).

**DUCTWORK  
NOT BY GFS**

See AFS drawings. Job #756S

City of Puyallup Development & Permitting Services ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic

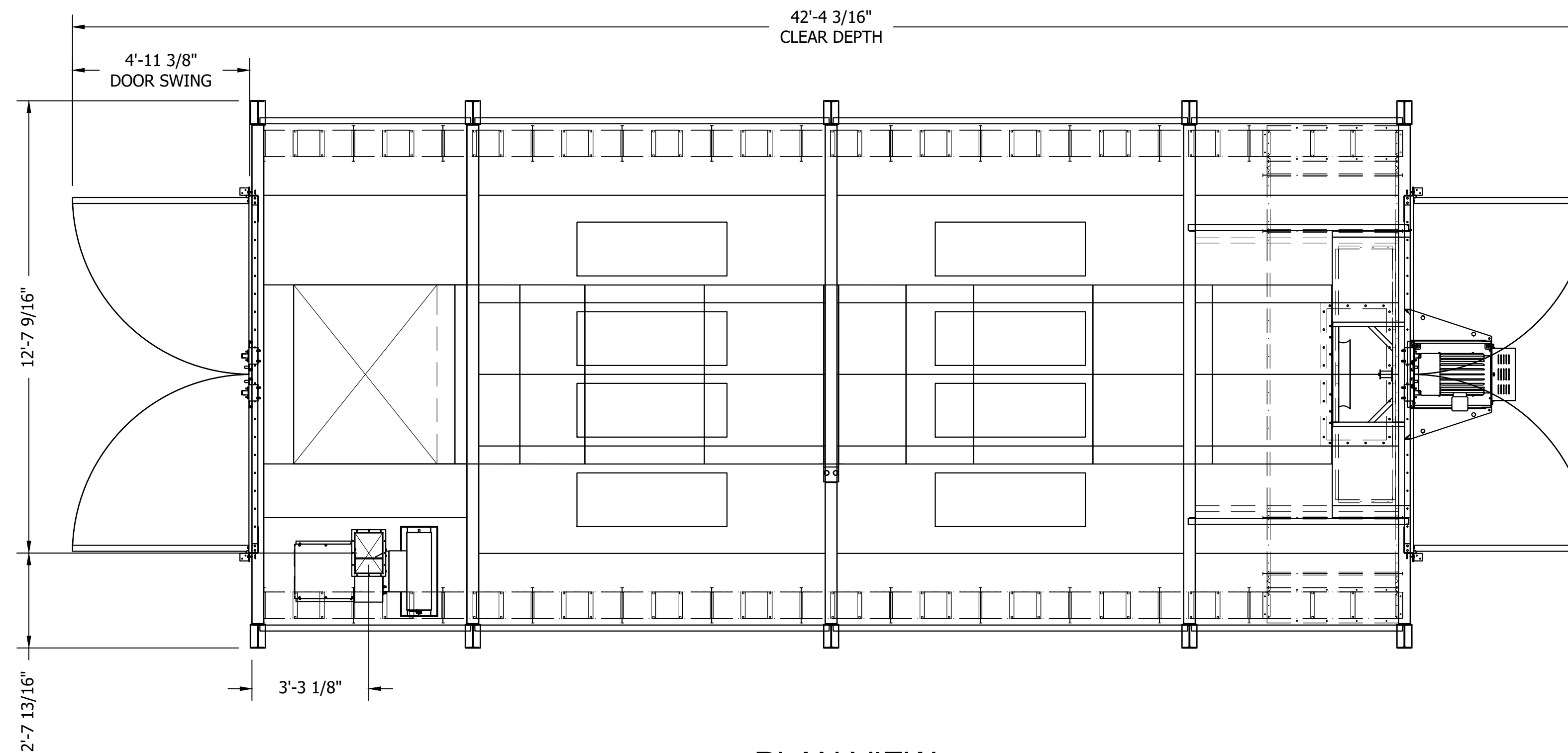
OVEN OPERATING TEMP	
MINIMUM TEMP	100°F
MAXIMUM TEMP	140°F
ELECTRIC COIL	
MAKE	INDEECO
KW	70 KW
MAX OUTLET TEMP	250°F
MODEL #	1083246
QUANTITY	1
MFG. RELEASE	R01/HB_LVL

BOOTH EQUIPMENT SPECIFICATIONS	
RECIRCULATION FAN	
PART #	1064188
DIAMETER	33
CFM	24,500
STATIC PRESSURE	3"
HORSEPOWER	25
VOLTAGE	230/460
PHASE	3
ENCLOSURE	TEFC
QUANTITY	1
EXHAUST FAN	
PART #	1067933
FAN SIZE	125
CFM	2,000
STATIC PRESSURE	1"
HORSEPOWER	1.5
VOLTAGE	230/460
PHASE	3
ENCLOSURE	TEFC
QUANTITY	1
LIGHTS	
PART #	LABW12-4-LED
SIZE	48"
TUBES - (INCL.)	4
TYPE	LED
VOLTAGE	120/277
RATING	CLASS 1 DIV. 2
ACCESS	INSIDE
QUANTITY	16
PRODUCT DOORS	
SIZE	10'W x 7'H
TYPE	SOLID w/ OBS
STYLE	SWING
QUANTITY	2
ELECTRICAL INFO	
OPERATING VOLTAGE	
480 VOLT 3PH 4W 60HZ	
FULL LOAD AMPS	131
LARGEST MOTOR HP	25
TOTAL HP	26.5
LIGHTING VOLTAGE	277
164 AMP MIN SERVICE REQ	

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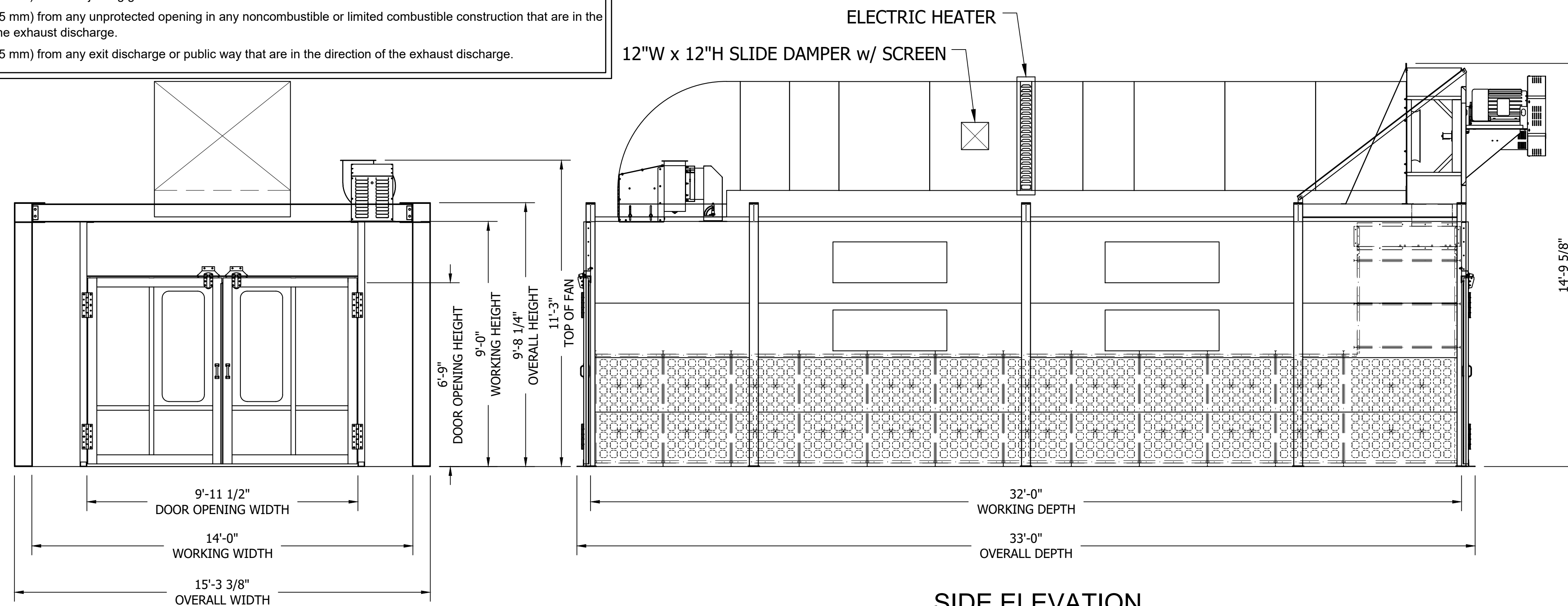


PLAN VIEW

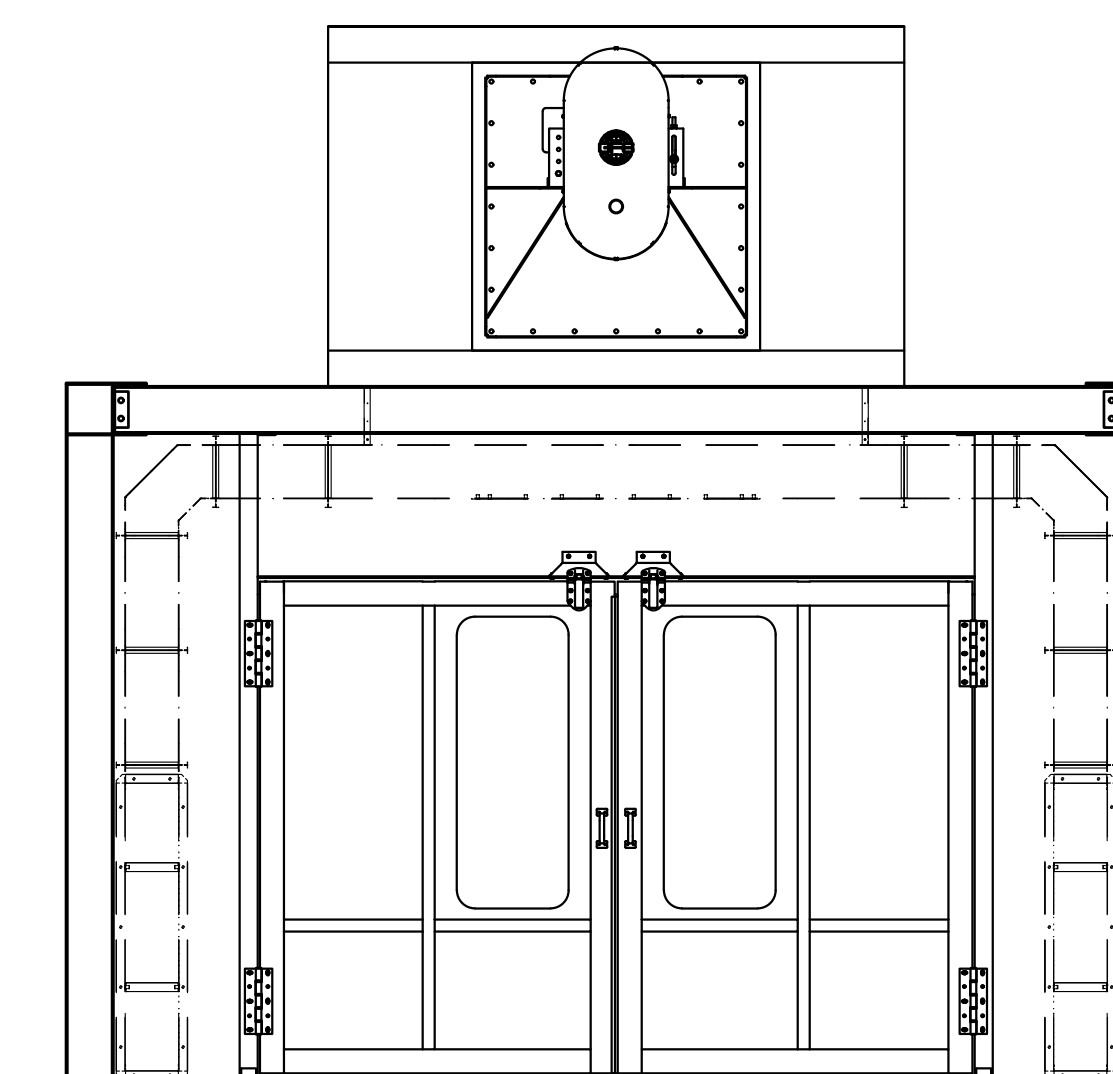
**Note: Exhaust Termination Point.** Per the International Fire Code and NFPA 33, the termination point for exhaust ducts discharging to the atmosphere shall not be less than the following distances:

- 30 feet (9144 mm) from the lot line;
- 10 feet (3048 mm) from openings into the building;
- 6 feet (1829 mm) from exterior walls and roofs;
- 30 feet (9144 mm) from combustible walls or openings into the building that are in the direction of the exhaust discharge;
- 10 feet (3048 mm) above adjoining grade.
- 25 feet (7625 mm) from any unprotected opening in any noncombustible or limited combustible construction that are in the direction of the exhaust discharge.
- 25 feet (7625 mm) from any exit discharge or public way that are in the direction of the exhaust discharge.

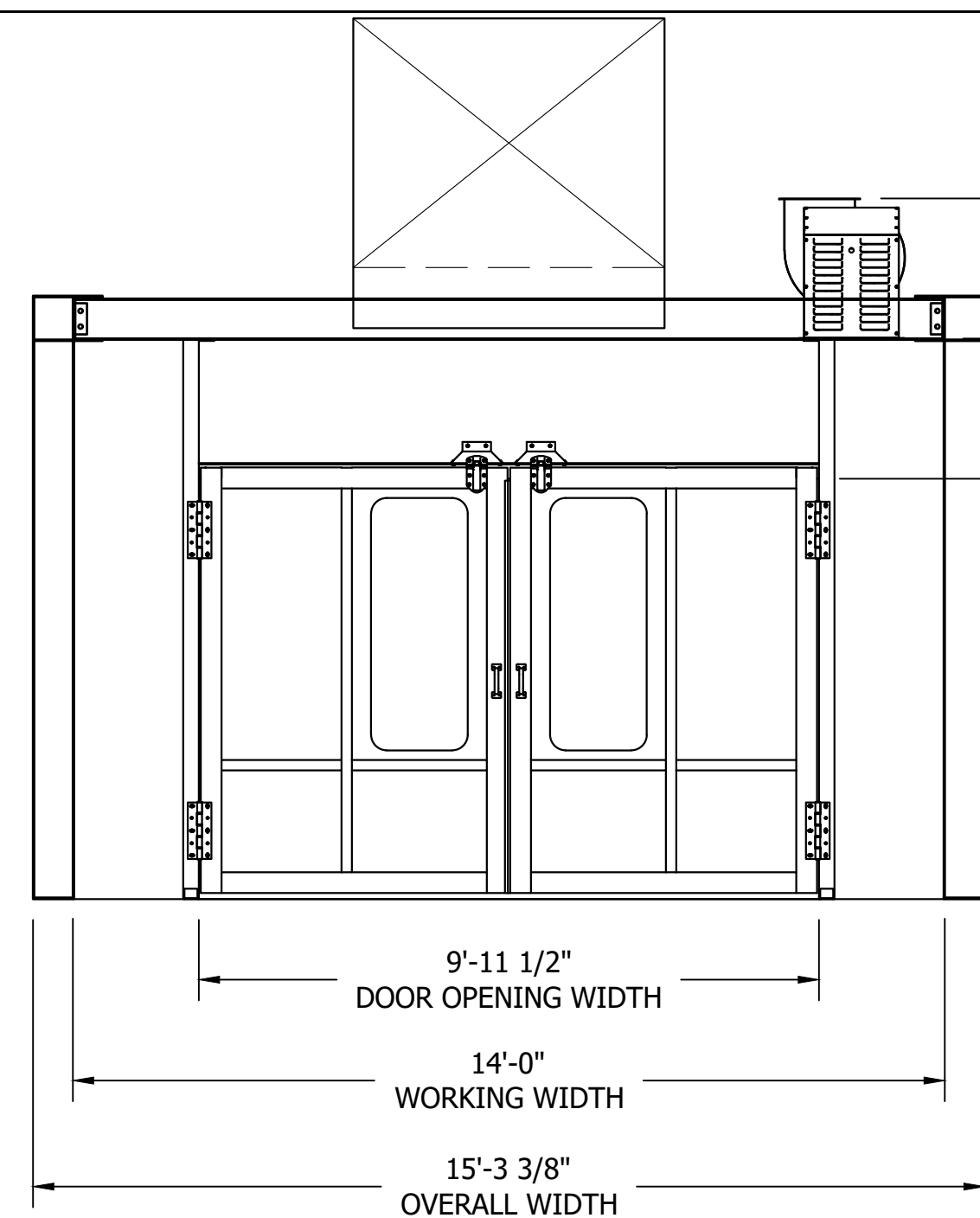
THE EXHAUST FAN HAS BEEN SIZED WITH AN EXTERNAL STATIC PRESSURE (ESP) OF: 1", OF WHICH, AN ALLOWANCE OF 0.5" OF STATIC PRESSURE HAS BEEN MADE AVAILABLE FOR CUSTOMER PROVIDED DUCT. IF THE DUCT ALLOWANCE IS NOT ACCURATE, PLEASE CONSULT GFS FOR RESIZING OF THE FAN(S).



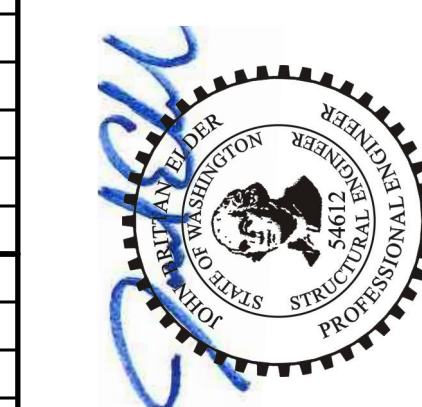
SIDE ELEVATION



BACK ELEVATION



FRONT ELEVATION



John B. Elder, P.E.  
WA License No. 54612  
2058 S Dobson Rd, Suite 10  
Mesa, AZ 85202

SCALE	3/8" = 1'-0"
DRAWN BY	NM
DATE	7/7/2025
REVIEW BY	NM
REVIEW DATE	7/7/2025

MODEL INFO	BLTOG-140932-PDT-SDSD-SP-E	SHIP TO	CODEL DOOR
	LOW TEMP OVEN, 14' 0" W x 9' 0" H x 32' 0" L, GALV.		1601 INDUSTRIAL WAY
ORDER/SERIAL NUMBER	U178152-G	SOLD TO	ADVANCED FINISHING SYSTEMS
			7515 NE 33RD DRIVE
DRAWING SET	SD	DRAWING	G-GA
REVISION	A	PORTLAND, OR 97211	