

GENERAL PROJECT NOTES

1.

ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENT IBC AS ADOPTED AND AMENDED BY THE JURISDICTION.
2.

REFER TO DIMENSIONS ONLY. DO NOT SCALE DRAWINGS.
3.

CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, CONFIGURATIONS, AND DETAILS DURING CONSTRUCTION, AND FOR NOTIFYING THE DESIGN FIRM OR OWNERS OF ANY ERRORS, INCONSISTENCIES, OR INTENDED CHANGES BEFORE THEIR SPECIFIC EXECUTION.
4.

IF PROPOSED, ALL NEW WINDOWS SHALL BE DUAL GLAZED, MATCHED TO EXISTING SASH, WITH A U-VALUE FROM TABLE 402.4 OF WSEC 2021 COMMERCIAL OR BETTER. ALL WINDOWS SHALL BE INSTALLED AT SILL/HEAD HEIGHTS AS DIMENSIONED IN THE PLANS. THE WINDOW MANUFACTURER IS TO BE RESPONSIBLE FOR THE STRUCTURAL STRENGTH OF THE WINDOW UNDER WIND LOADS.
5.

ALL GLAZING IN HAZARDOUS LOCATIONS AS DEFINED IN THE PERTINENT SECTIONS OF THE IBC SHALL BE TEMPERED GLASS.
6.

CAULKING SHALL BE PROVIDED AT ALL SASHES, DOOR SILLS, MUD SILLS, AND AROUND ALL EXTERIOR TRIM. ALL CONCEALED VERTICAL AND HORIZONTAL DRAFT OPENINGS CREATED AS A RESULT OF INSTALLING ROUGH MECHANICAL, ELECTRICAL, OR PLUMBING EQUIPMENT SHALL BE DRAFT STOPPED WITH EXPANDING FOAM. VERTICAL OPENINGS SHALL BE STOPPED AT ALL BREAKS IN PLATES OR FIRE-BLOCKING. HORIZONTAL BEAKS SHALL BE STOPPED AT 10'-0" O.C.
7.

FIRE BLOCKING SHALL BE PROVIDED EVERY 10'-0" IN ALL HORIZONTAL AND VERTICAL STUD BAYS.
8.

METAL FLASHING SHALL BE PROVIDED AT ALL POINTS REQUIRING WATERPROOFING, INCLUDING JUNCTIONS OF ROOF TO WALL, CHIMNEY TO ROOF, SKYLIGHT TO ROOF, ABOVE ALL EXTERIOR WINDOW AND DOOR TRIM, AND ALL OTHER PROTRUDING ELEMENTS.
9.

ALL BATH EXHAUST SHALL BE VENTED TO THE OUTSIDE.
10.

ANY HEATING OR COOLING EQUIPMENT LOCATED IN AN UNCONDITIONED SPACE, AND WHICH GENERATES A GLOW, SPARK, OR FLAME CAPABLE OF IGNITING FLAMMABLE VAPORS, SHALL BE INSTALLED A MINIMUM OF 18" ABOVE FLOOR LEVEL.
11.

THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE CONTENT OF THESE DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
12.

THE CONTRACTOR SHALL PREVIEW DESIGN INTENT AS SUBSTANTIATED IN THESE DOCUMENTS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL ISSUE REQUEST FOR INFORMATION (RFIs) INQUIRIES TO THE OWNER AND THE ARCHITECT WHERE DESIGN INTENT IS NOT SELF EVIDENT TO ELIMINATE DETRIMENTAL INTERPRETATIONS.
13.

IN THE EVENT THE CONTRACTOR FINDS A CONFLICT OR DISCREPANCY WITH THESE DRAWINGS, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY IN WRITING. SHOULD THE CONTRACTOR PROCEED WITHOUT NOTIFYING THE ARCHITECT OF SUCH CONFLICT, THE CONTRACTOR SHALL BE PROCEEDING AT THEIR OWN RISK & ASSOCIATED LIABILITY.
14.

THESE DRAWINGS SERVE TO REPRESENT DESIGN INTENT AS DIRECTED BY THE OWNER & COMPLIANT WITH GOVERNING JURISDICTIONAL LAW. IN NO WAY SHALL THESE DRAWINGS SERVE TO DICTATE METHODS OF CONSTRUCTION RELATIVE TO ADHERENCE TO EITHER. IT IS THE CONTRACTOR'S & OWNER'S RESPONSIBILITY TO WORK WITHIN THE PARAMETERS OF THE AGENCY APPROVED DOCUMENTS TO MAINTAIN THE INTEGRITY OF THE DESIGN INTENT AND AGENCY COMPLIANCE.
15.

GENERAL CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING THE COMMERCIAL PROVISIONS OF WSEC REQUIREMENTS AND MEET ANY AND ALL REQUIREMENTS FOR COMPLETING A PROPERLY INSULATED AND SEALED SHELL (WHERE APPLICABLE). THIS INCLUDES MEETING WSEC REQUIREMENTS FOR LIMITING AIR INFILTRATION.
16.

ANY NEW FENESTRATION MUST COMPLY WITH WSEC 2021 COMMERCIAL TABLE 402.4 (IF FENESTRATION IS TO BE REPLACE, CONSULT WITH THE ARCHITECT OF RECORD BEFORE PROCEEDING)

PROJECT CODE ANALYSIS

APPLICABLE CODES	
2021 INTERNATIONAL BUILDING CODE (INCLUDING IBC 2021-WIBC AMENDMENTS, W/IEBC-2021 AND ANSI-2009)	
2021 INTERNATIONAL MECHANICAL CODE (INCLUDING IMC 2021-WIBC AMENDMENTS, W/ IFGC-2021, NFPA-54, NFPA-58)	
2021 INTERNATIONAL FIRE CODE (INCLUDING IFC 2021-WIBC AMENDMENTS)	
2021 UNIFORM PLUMBING CODE (INCLUDING UPC 2021-WIBC AMENDMENTS)	
2020 NATIONAL ELECTRICAL CODE (NFPA 70) - SEE DEPT. OF L& I ADOPTION/ AMENDMENTS	
2021 INTERNATIONAL FUEL GAS CODE (WAC 51-50)	
2021 WASHINGTON STATE ENERGY CODE (WAC 51-11C)	
ICC / ANSI A.117-2017 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (INCLUDING IBC 2021-WIBC AMENDMENTS, W/IEBC-2021 AND ANSI-2017)	
CITY/COUNTY CODE - CITY OF PUYALLUP	
PROJECT NAME	
DON'S DRIVE-IN REPAIR	
PROJECT DESCRIPTION	
FULL REPAIR OF DAMAGED FOOD ESTABLISHMENT; NEW SUBMITTAL FOR REPLACED EQUIPMENT AND REUSED EQUIPMENT, AND REPAIR OF DAMAGED WALL	
ADDRESS	
925 S MERIDIAN PUYALLUP, WA 98371	
JURISDICTION	
CITY PUYALLUP	
ZONE	
CG - GENERAL COMMERCIAL	
PARCEL NUMBER	
0420342010	
SITE AREA	
0.241 Acres (10,500 sq. ft.)	
IBC OCCUPANCY CLASS	
B	
IBC CONSTRUCTION TYPE	
VB	

LEGAL DESCRIPTION

SECTION 34 TOWNSHIP 20 RANGE 04 QUARTER 22 : BEG 30 FT E & 370.60 FT S OF NW COR SEC TH E 120 FT TH S 92.40 FT TH W 120 FT TH N 92.40 FT TO BEG TOG/W S 7.60 FT TR 14 COFFMANS ADD TO PUY EXC W 15 FT DEEDED TO CY OF PUYALLUP UNDER ETN 599975 DATED OCT 10, 1983 (DCWJES8-28-84)

PROJECT TEAM

OWNER: DON'S DRIVE-IN GINA BURKHAMMER 925 S MERIDIAN PUYALLUP, WA 98372 T: (253) 282-8912 EMAIL: BURKHAMMERGINA@GMAIL.COM	ARCHITECT: JENNIFER WEDDERMANN WEDDERMANN ARCHITECTURE PLLC 4629 SOUTH YAKIMA AVE, TACOMA WA 98408 CONTACT: JUSTIN LOSEY T: (253) 973-6611 EMAIL: JUSTIN@WEDDERMANN.COM
STRUCTURAL: SFA DESIGN GROUP JEFF FITCH 12112 SW GARDEN PL TIGARD, OR 97223 T: (503) 641-8311 EMAIL: ENGINEERING@SFADG.COM	MECHANICAL & PLUMBING: BURMAN ENGINEERING LINDA BURMAN 31620 23RD AVE S FEDERAL WAY, WA 98003 T: (253) 508-2658 EMAIL: LINDA@BURMAN.DESIGN

ABBREVIATIONS

A	--	OFCI	OWNER FURNISH, CONTRACTOR INSTALL
ACM	ALUMINUM COMPOSITE MATERIAL	OFOI	OWNER FURNISH, OWNER INSTALL
ACT	ACOUSTICAL CEILING TILE	P	--
AFF	ABOVE FINISH FLOOR	PCC	PORTLAND CEMENT CONCRETE
B	--	PEMB	PRE-ENGINEERED METAL BUILDING
BR	BRICK VENEER MASONRY UNIT	PLAM	PLASTIC LAMINATE
C	--	PLYWD	PLYWOOD
CH	COAT HOOK	POL	POLISHED
CMU	CONCRETE MASONRY UNIT	PR	PAIR
CONC	CONCRETE	PRE-FAB	PRE-FABRICATED
CPT	CARPET	PRE-FIN	PRE-FINISHED
CT	CERAMIC TILE	PRP	PATCH, REPAIR & PAINT
CTB	CERAMIC TILE BASE	PRE-PRIME	PRE-PRIME & PAINT
CTW	CERAMIC TILE WAINSCOT	PTD	PAPER TOWEL DISPENSER
CWT	CERAMIC WALL TILE	PW	PLYWOOD WAINSCOT
E	--	R	--
ENPT	ENAMEL PAINT	RB	RUBBER BASE
EPOX	EPOXY	RCB	RUBBER COVE BASE
EPPT	EPOXY PAINT	RF	RUBBER FLOORING
EPS	EXPANDED POLYSTYRENE FOAM	RT	RESILIENT TILE
EX, (e), EXIST	EXISTING	RWB	RELILIENT WALL BASE
F	--	S	--
F/GL	FIBERGLASS	S&V	STAIN & VARNISH
FF	FACTORY FINISH	SC	SOLID CORE
foc	FACE OF CONCRETE	SF	STOREFRONT
fos	FACE OF STUD	SG	SEMI-GLOSS
FRP	FIBERGLASS REINFORCED PANEL	SND	SANITARY NAPKIN DISPOSAL
FT	FIRE TAPE ONLY ON 5/8" TYPE 'X' GWB	SOG	SLAB ON GRADE
G	--	SPD	SOAP DISPENSER
GBU	GLASS BLOCK UNIT	SS	STAINLESS STEEL
GL	GLASS	STL	STEEL
GLB	GLU-LAM BEAM	SV	SHEET VINYL
GRP	GROUP	SVCB	SHEET VINYL COVE BASE
GWB	GYPSPUM WALL BOARD	T	--
H	--	T.	TEMPERED GLAZING
HC	HOLLOW CORE	T.S.H.	TROWEL FINISH, SEALER & SHAKE HARDENER
HDWR	HARDWARE	THK	THICK, THICKNESS
HM	HOLLOW METAL	top	TOP OF PURLIN
I	--	TPD	TOILET PAPER DISPENSER
ICFB	INTEGRAL FLASH COVE BASE	TRWL	TROWEL FINISH
INSUL	INSULATION	TSCD	TOILET SEAT COVER DISPENSER
M	--	TTP	TAPE, TEXTURE & PAINT
MAT	MATERIAL	U	--
MBL	MARBLE	UL	UNDERWRITER'S LABORATORY
MFR	MANUFACTURER	V	--
MIN	MINUTES, MINIMUM	VCT	VINYL COMPOSITION TILE
MR	MOISTURE RESISTANT	VWC	VINYL WALL COVERING FABRIC
MT	MATTE FINISH	W	--
MTL	METAL	WD	WOOD
N	--	WR	WASTE RECEPTICLE
NO.	NUMBER	WRB	WEATHER RESISTANT BARRIER
O	--		

SHEET INDEX		
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01 - General		
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A1.01	SITE PLAN	Date 1
A2.01	FLOOR & ROOF PLAN	Date 1
06 - Mechanical		
M0.1	HVAC - ABBREVIATION & NOTES	
M0.2	HVAC LEGENDS	
M0.3	HVAC SCHEDULES	
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M1.2	HVAC FLOOR PLAN	
M1.3	HVAC ROOF PLAN	
M2.0	HVAC DETAILS	
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M2.7	HOOD DETAILS	
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07 - Plumbing		
P0.1	ABBREVIATION & NOTES	
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P0.3	PLUMBING SCHEDULE	
P1.0	PLUMBING DETAILS	
P1.1	FIRST FLOOR PLUMBING PLAN	
P2.0	WASTE & VENT RISER	
P2.1	WASTE & GAS RISER	
P3.0	PLUMBING DETAILS	

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.

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INCLUDED IN THIS SUBMITTAL

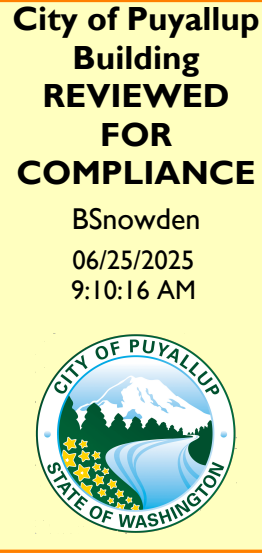
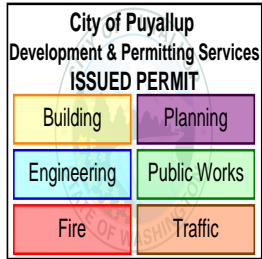
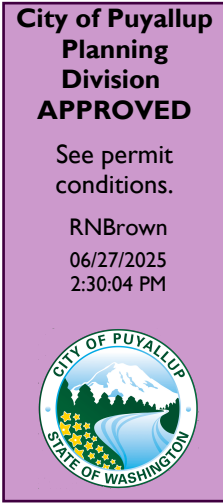
THE FOLLOWING DRAWINGS / FORMS ARE BEING SUBMITTED:

- See permit conditions.
01. ARCHITECTURE DRAWINGS
02. STRUCTURAL CALCS
03. MECHANICAL DRAWINGS
04. PLUMBING DRAWINGS

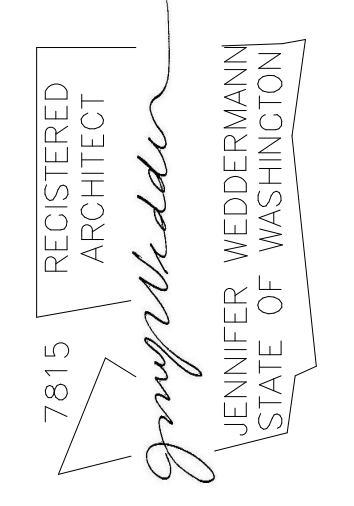
SEPARATE SUBMITTAL PERMITS - run concurrently

THE FOLLOWING SEPARATE PERMIT SUBMITTALS SHALL BE RUN CONCURRENTLY, AND TO BE DESIGNED AND SUBMITTED BY THE SELECTED DESIGN-BUILD SUBCONTRACTOR:

01. ELECTRICAL DRAWINGS



WEDDERMANN
ARCHITECTURE
JENNIFER WEDDERMANN, AIA, LEED AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-6611
JENNIFER@WEDDERMANN.COM



PROJECT
GINA BURKHAMMER
DON'S DRIVE-IN
925 S MERIDIAN
PUYALLUP, WA 98371

REV#	Date	Description	
		Date 1	Revision 1
1	7/11/24	24041	DON'S DRIVE-IN RVT

Start Date: 7/11/24
Project Number: 24041
File Name: DON'S DRIVE-IN RVT
Plot Date: 6/19/2025 10:02:17 AM

SHEET NAME
COVER
PROGRESS SET

SHEET NO.
COVER

City of Puyallup
Development & Permitting Services
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Building

Planning

Engineering

Public Works

Fire

Traffic



WEDDERMANN
ARCHITECTURE
JENNIFER WEDDERMANN, AIA, LEED AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-6611
JENNIFER@WEDDERMANN.COM

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ARCHITECT

JENNIFER WEDDERMANN
STATE OF WASHINGTON

PROJECT
GINA BURKHAMMER
DON'S DRIVE-IN
925 S MERIDIAN
PUYALLUP, WA 98371

REVISIONS	INFO
Description	7/11/24
Date	24041
Rev#	DON'S
	DRIVE-IN RVT
	6/19/2025 10:02:17 AM

SHEET NAME
FIRE / LIFE SAFETY
PROGRESS SET

SHEET NO.
G2.11

OCCUPANT LOAD					
OCC TYPE	DESCRIPT ION	AREA	OCC FACTOR	OCC LOAD	COMMENTS
FIRST FLR					
Building Common Area					
B	DINING	250 SF	15	17	GROUP B PER IBC 303.1.1
		250 SF		17	
Office Area					
B	KITCHEN	532 SF	200	3	GROUP B PER IBC 303.1.1
		532 SF		3	
		782 SF		20	
		782 SF		20	

(If applicable) Remove all exit indicators and exit signs from blocked exit door.

Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. The path of egress travel to exits and within exits shall be marked by readily visible exit signs to clearly indicate the direction of egress travel in cases where the exit or the path of egress travel is not immediately visible to the occupants. Intervening means of egress doors within exits shall be marked by exit signs. Exit sign placement shall be such that any point in an exit access corridor or exit passageway is within 100 feet (30 480 mm) or the listed viewing distance of the sign, whichever is less, from the nearest visible exit sign.

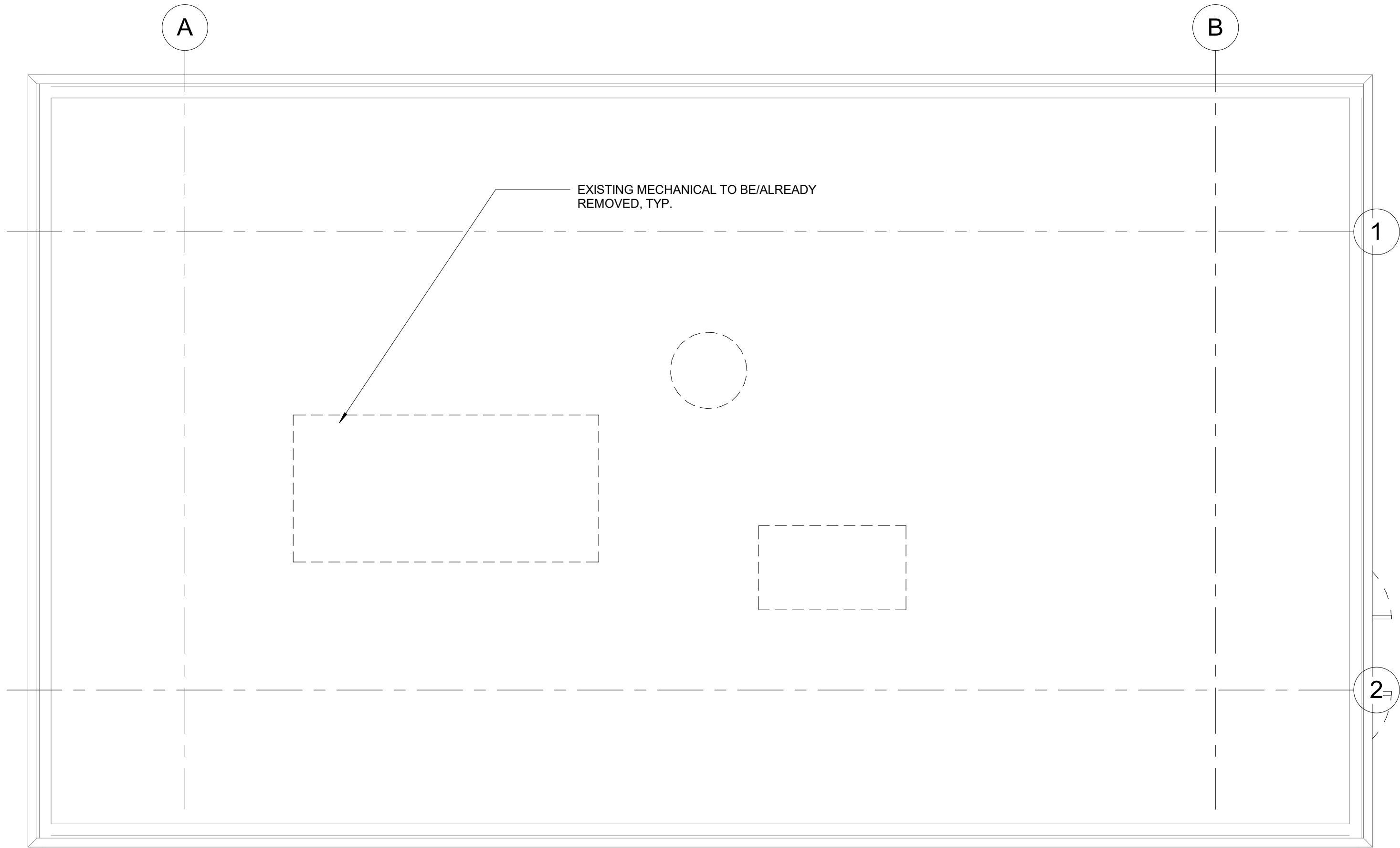


DURING DEMOLITION USE EXTREME CARE TO PROTECT OWNER'S PROPERTY AT ALL TIMES. COORDINATE WORK SCHEDULE WITH OWNER TO ASSURE MINIMAL DISRUPTION TO OWNER'S CONTINUED USE OF THE FACILITIES EXCEPT AS OTHER ARRANGEMENTS ARE MADE TO ACCOMMODATE THE CONSTRUCTION PROCESS. IMMEDIATELY REMOVE ALL DEBRIS FROM THE PREMISES AND PROPERLY DISPOSE IN ACCORDANCE WITH THE LAWS, CODES, AND REQUIREMENTS. OBSERVE AND OBEY ALL ENVIRONMENTAL, HEALTH, AND SAFETY LAWS. IMMEDIATELY STOP WORK IF ASBESTOS CONTAINING MATERIALS ARE ENCOUNTERED. EMPLOY ONLY QUALIFIED PERSONNEL FOR REMOVAL AND DISPOSAL. PROTECT OCCUPIED AREAS AND PERSONNEL FROM DUST. IN COMPLIANCE WITH LAWS, IDENTIFY ALL HAZARDOUS MATERIALS AND PROVIDE APPROPRIATE WARNINGS AND MATERIAL SAFETY SHEETS FOR EACH MATERIAL USED. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING HIS OR HER EMPLOYEES, SUBCONTRACTORS AND OWNER OF ALL HAZARDOUS CHEMICALS AND MATERIALS USED AT THE SITE. LIKEWISE, ALL SUBCONTRACTORS SHALL NOTIFY THE CONTRACTOR OF ANY SUCH MATERIAL USE ON THEIR PART.

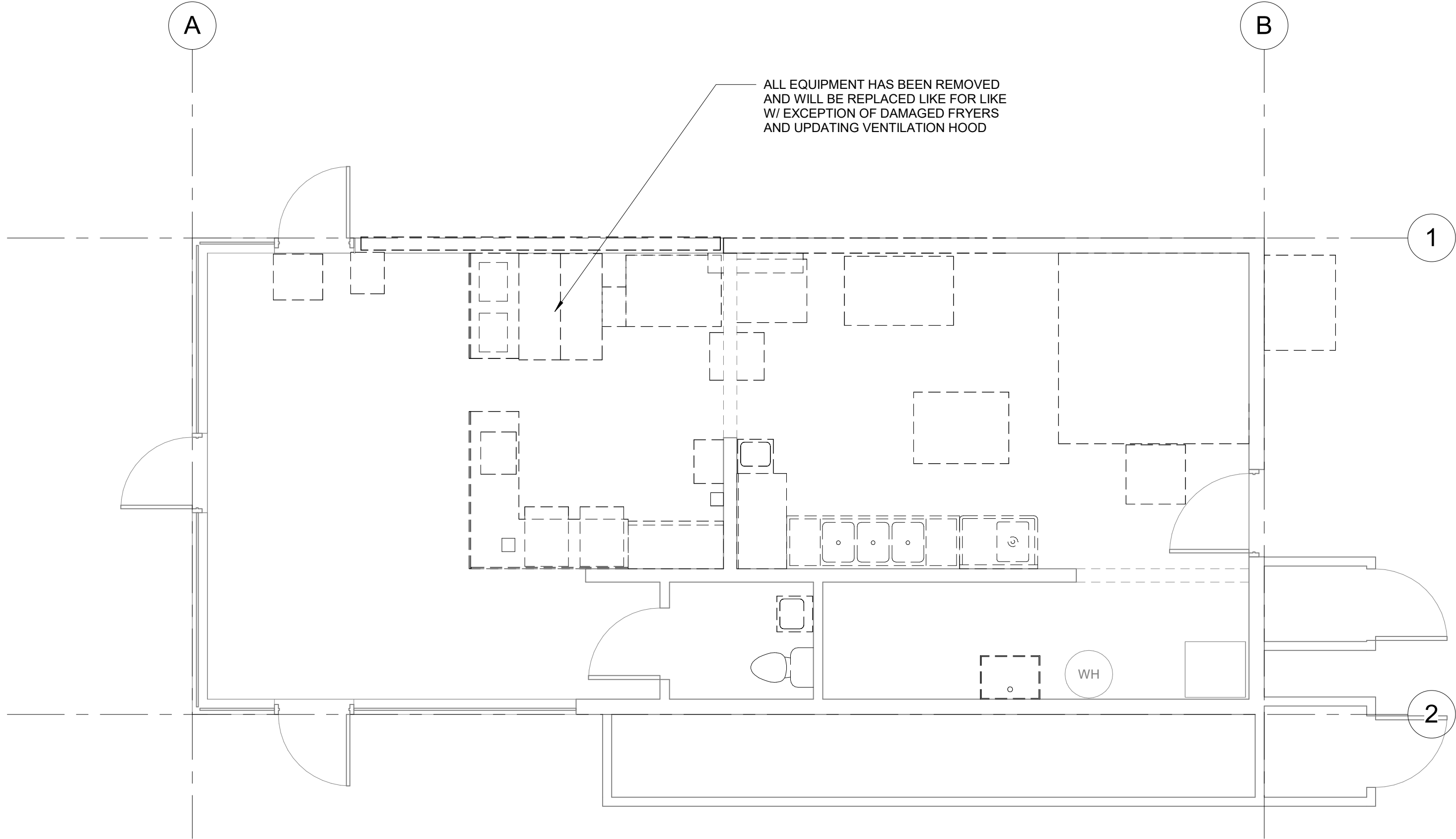
CUTTING INTO EXISTING CONSTRUCTION TO PROVIDE FOR INSTALLATION OF NEW WORK OR MODIFICATION SHALL BE PERFORMED ONLY BY EXPERIENCED PERSONNEL FOR EACH PROCESS REQUIRED. DO NOT CUT AND PATCH STRUCTURAL WORK IN A MANNER THAT WOULD RESULT IN A REDUCTION OF LOAD-CARRYING CAPACITY OR OF LOAD DEFLECTION RATIO. DO NOT CUT AND PATCH WORK EXPOSED IN A MANNER THAT WOULD LESSEN THE BUILDINGS AESTHETIC QUALITIES OR IN A MANNER THAT WOULD RESULT IN SUBSTANTIAL VISUAL EVIDENCE OF CUT AND PATCH WORK. USE MATERIALS FOR PATCHING THAT ARE IDENTICAL TO EXISTING MATERIALS AND FINISH TO MATCH SURROUNDING AND ADJACENT SURFACES TO THE FULLEST EXTENT POSSIBLE WITH REGARD TO THE VISUAL EFFECT AND WHICH WILL RESULT IN EQUAL-OR-BETTER PERFORMANCE CHARACTERISTICS.

PROPERLY REMOVE, REROUTE, OR RELOCATE ELECTRICAL DEVICES AND MATERIALS, RACEWAY, BOXES, CONNECTORS, WIRES, AND OTHER NECESSARY APPARATUS TO MEET THE CURRENT STATE OF WASHINGTON DEPARTMENT OF LABOR AND INDUSTRIES ELECTRICAL CODES AND IN THE NATIONAL ELECTRICAL WORK, ELECTRICAL SERVICE, AND TO ALL EXISTING AND RELOCATED ELECTRICAL INSTALLATIONS AND TEST TO ASSURE PROPER OPERATION.

ENGINEER, REMOVE, MODIFY, AND INSTALL ALL APPARATUS, DEVICES, MATERIALS, AND NECESSARY EQUIPMENT TO EXTEND AND/OR INSTALL THE MECHANICAL SYSTEMS TO ACCOMMODATE THE NEW WORK INCLUDING BUT NOT LIMITED TO PLUMBING, HEATING, AND VENTILATION. ROUTE ALL EXHAUST FANS TO THE EXTERIOR AND INSTALL PROPER WEATHERTIGHT HOUSING AND COVERINGS. DO ALL WORK IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES, REGULATIONS, AND LAWS.



2 ROOF DEMO & CLEAN-UP PLAN
1/4" = 1'-0"



1 FIRST FLOOR DEMO & CLEAN-UP PLAN
1/4" = 1'-0"

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City of Puyallup
Development & Permitting Services
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Building

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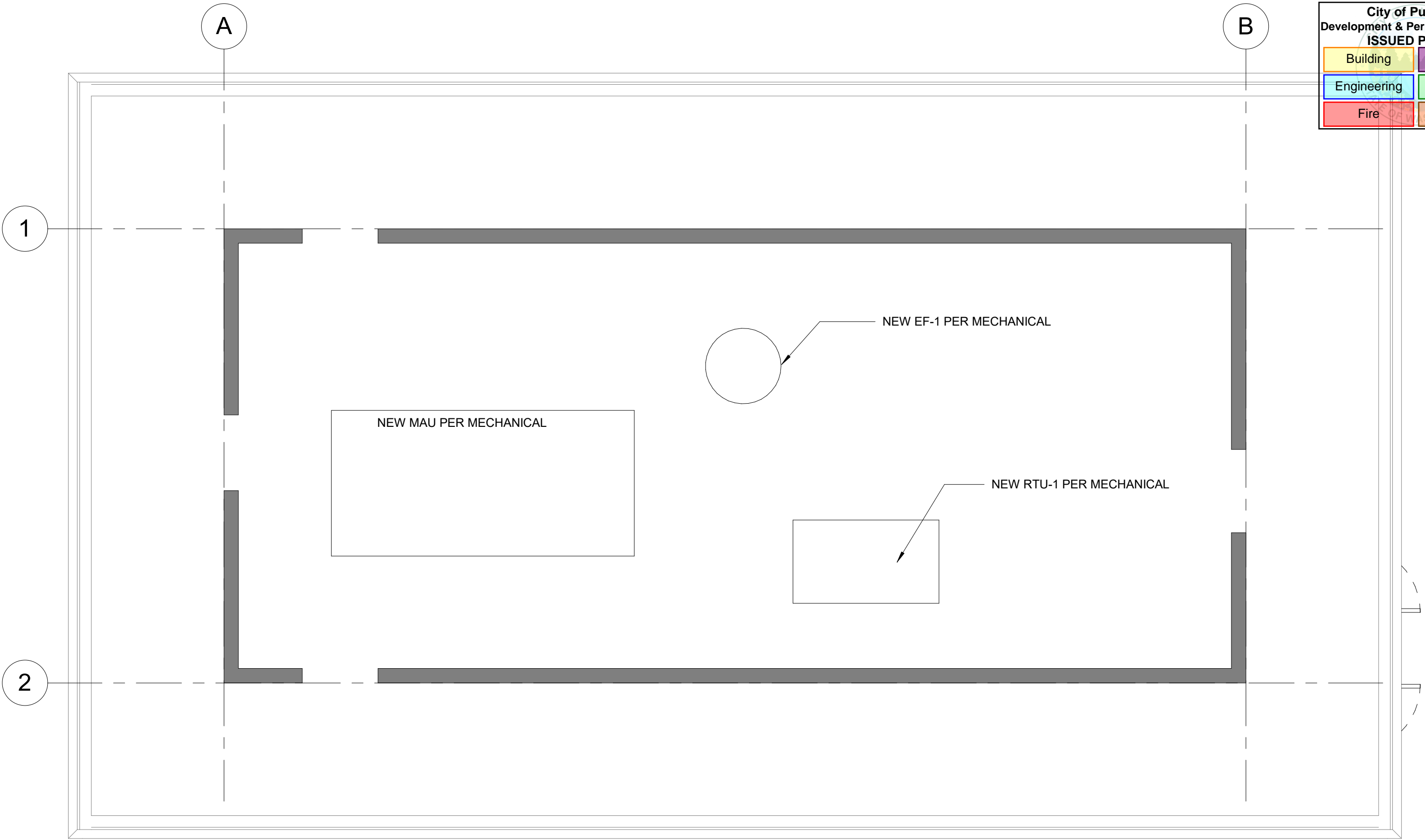
JENNIFER WEDDERMANN, AIA, LEED AP
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TACOMA, WA 98408
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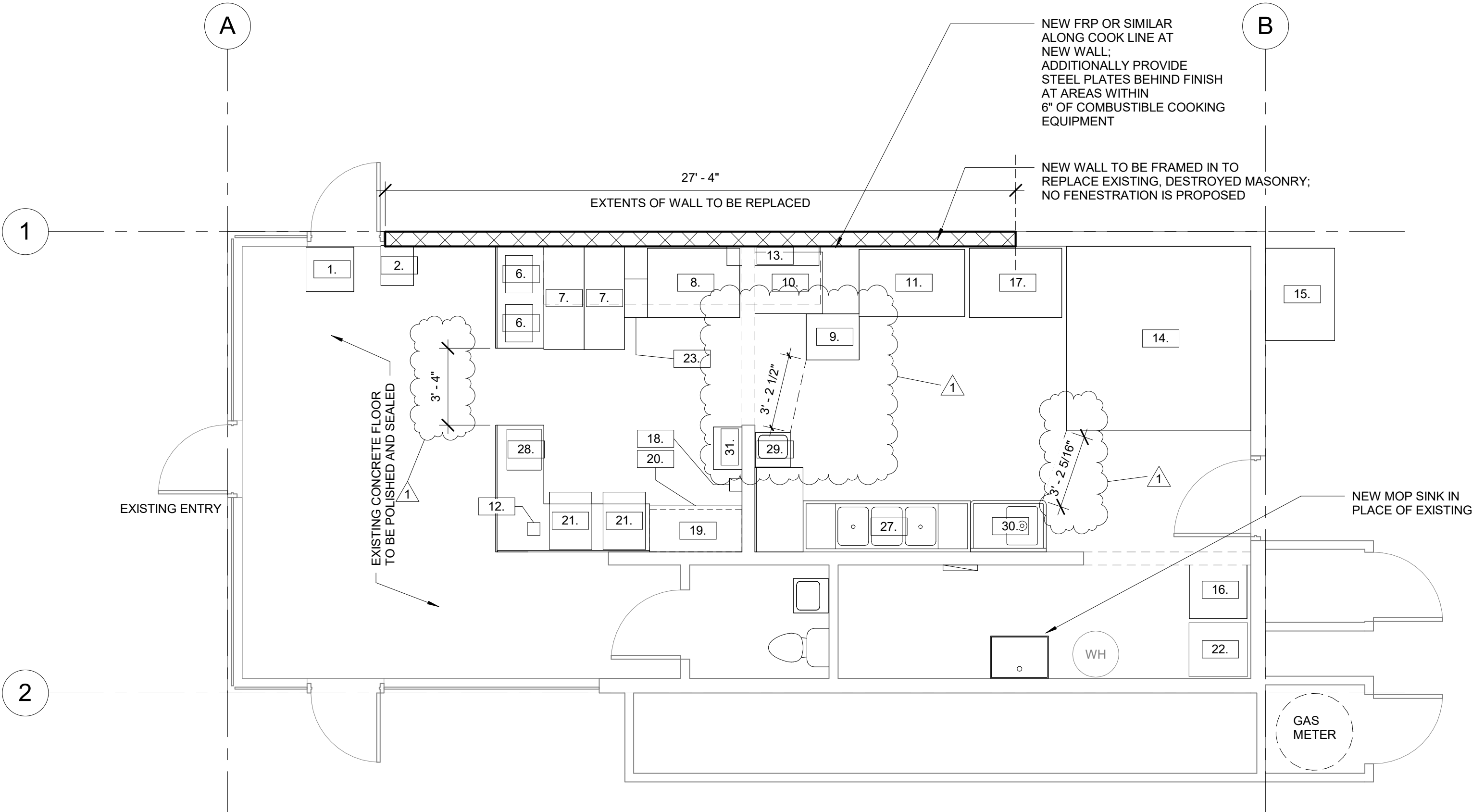
Jennifer Weddermann
JENNIFER WEDDERMANN
STATE OF WASHINGTON

SHEET NAME	INFO	REVISIONS		PROJECT	
		Rev#	Date	Description	Gina Burkhammer DON'S DRIVE-IN 925 S MERIDIAN PUYALLUP, WA 98371
FIRST FLOOR DEMO & CLEAN-UP PLAN	Sheet Date: 7/11/24 Project Number: 24041 File Name: DON'S DRIVE-IN RVT				
PROGRESS SET	Plot Date: 6/19/2025 10:02:17 AM				
SHEET NO. D2.01					

EQUIPMENT SCHEDULE						
Type Mark	Type	Length	Width	Manufacturer	Model	Count
1.	BEVERAGE REFRIGERATOR	1' - 11 1/8"	2' - 0 7/8"	TRUE	GDM-12	2
2.	CONDIMENT REFRIGERATOR	1' - 8 7/8"	1' - 5"	SUMMIT	SCR215L	2
6.	HEAT LAMP	1' - 7 1/2"	1' - 2 1/4"	WINCO	EHL-2	4
7.	DEEP FRYER	4' - 5 1/2"	1' - 9"	ADMIRAL CRAFT	GF-90/NG	4
8.	GRILL	3' - 0"	4' - 0"	AMERICAN RANGE	ARTG-36 (?)	2
9.	CHEFS TABLE	2' - 0"	2' - 3 1/2"	ATOSA	MSF8301	2
10.	RANGE	2' - 8"	3' - 0"	ROYAL	RR-6	2
11.	FREEZER	2' - 10 13/16"	4' - 7"	MCCALL	7-7045FT	2
12.	ICE TEA DISPENSER	0' - 6 11/16"	0' - 6 1/2"	GOLD PEAK	WB-RT-4-P	2
13.	SUPPRESION SYSTEM	0' - 10"	4' - 0"	ANSUL	R-102	2
14.	WALK-IN REFRIGERATOR	8' - 0"	8' - 0"	NEED INFO	NEED INFO	2
15.	OUTDOOR FREEZER	3' - 0"	4' - 0"	BEVERAGE AIR	CT2HC-1S	2
16.	REFRIGERATOR	2' - 5 7/8"	2' - 6"	TRUE	GDM-26	2
17.	REFRIGERATOR 2	3' - 0"	4' - 0"	BLUE AIR N	BSR23	2
18.	MILKSHAKE MACHINE	0' - 6 11/16"	0' - 6 1/2"	HAMILTON BEACH	HMD400 (NEED CONFIRMATION)	2
19.	PIE CASE	1' - 10"	4' - 0"	DELFIELD	9048	2
20.	ICE CREAM FREEZER	2' - 0"	4' - 0"	KELVINATOR (?)	8FR (?)	2
21.	SODA MACHINE	2' - 6"	1' - 10"	LANCER	85-4848-111	4
22.	ICE MACHINE	2' - 4"	2' - 6 7/16"	HOSHIZAKI	KM-301BAJ	1
23.	FOOD WARMER	1' - 8"	1' - 0"	?	?	2
27.	3-COMP SINK			?	?	2
28.	MICROWAVE	1' - 5 25/32"	1' - 9 11/32"	DAEWOO	KOM-9P1CES	2
29.	HANDWASH			?	?	2
30.	PREP SINK W/ DRAINBOARD			?	?	2
31.	ICE CHEST	1' - 10"	1' - 3"	CORNELIUS INC	1522-IT	2



2 ROOF PLAN
1/4" = 1'-0"



1 FIRST FLOOR PLAN
1/4" = 1'-0"

PRCTI20242007

City of Puyallup
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BuildingPlanningEngineeringPublic WorksFireTraffic

WEDDERMANN
ARCHITECTURE

JENNIFER WEDDERMANN, AIA, LEED AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-6611
JENNIFER@WEDDERMANN.COM

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Jennifer Weddermann

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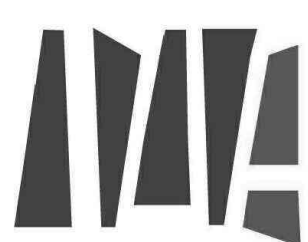
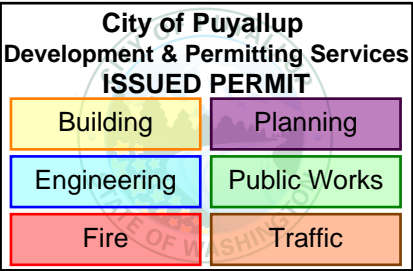
SHEET NAME	PROJECT		REVISIONS		INFO		SHEET NO.
	Rev#	Description	Rev#	Date	Rev#	Date	
FLOOR & ROOF PLAN	1	GINA BURKHAMMER DON'S DRIVE-IN	1	Date 1	24041 DON'S DRIVE-IN RVT	7/11/24	A2.01
PROGRESS SET		925 S MERIDIAN PUYALLUP, WA 98371					

DON'S DRIVE IN

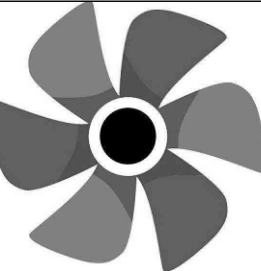
SCOPE OF WORK

PROJECT INCLUDES NEW HVAC FOR AN EXISTING RESTAURANT.
NEW ROOFTOP HVAC UNIT, TYPE 1 HOOD, KITCHEN EXHAUST FAN AND MAKE UP AIR UNIT.
EXISTING DUCT WORK FOR HVAC TO REMAIN.

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WEDDERMANN ARCHITECTURE
JENNIFER WEDDERMANN, AIA, LEED AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-6611
JENNIFER@WEDDERMANN.COM



CODES

2021 UNIFORM PLUMBING CODE WITH LOCAL AMENDMENTS
2021 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS
2021 WASHINGTON STATE ENERGY CODE
2021 INTERNATIONAL FUEL GAS CODE
2021 INTERNATIONAL BUILDING CODE

GENERAL NOTES

- COORDINATE MECHANICAL WORK WITH THAT OF OTHER TRADES. REFER TO CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, STRUCTURAL, FIRE PROTECTION, FIRE ALARM, SECURITY, CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.
- MAINTAIN CODE REQUIRED AND MANUFACTURERS' MINIMUM MAINTENANCE CLEARANCES AND AS NOTED ON THE DRAWINGS. SYSTEMS INSTALLED FOUND TO BE IN CONFLICT WITH THIS REQUIREMENT WILL BE MOVED AT CONTRACTOR'S EXPENSE TO ENSURE COMPLIANCE.
- ACCESS CLEARANCES FOR MAINTENANCE AND REPLACEMENT: VERIFY PHYSICAL DIMENSIONS OF EQUIPMENT TO ENSURE THAT ACCESS CLEARANCES CAN BE MET. COORDINATE LOCATIONS OF MECHANICAL WORK AND WORK OF OTHER TRADES TO PROVIDE ACCESS CLEARANCES FOR SERVICE AND MAINTENANCE.

SHEET METAL NOTES

- PROVIDE A MANUAL VOLUME DAMPER FOR EACH SUPPLY, RETURN, AND EXHAUST OPENING, LOCATED AS FAR UPSTREAM AS POSSIBLE FROM THE OPENING. PROVIDE A MANUAL VOLUME DAMPER FOR BRANCH MAINS SERVING MORE THAN ONE OPENING.
- PROVIDE BACK DRAFT DAMPERS ADJACENT TO LOUVERS UNLESS MOTOR OPERATED DAMPERS PROVIDED.
- PROVIDE ACCESS DOORS AT DUCT SMOKE DETECTORS, BACK DRAFT DAMPERS, MOTOR OPERATED DAMPERS, FIRE DAMPERS, SMOKE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS, BOTH SIDES OF DUCT MOUNTED COILS, AIRSTREAM MEASURING UNITS, AND PLENUMS.
- PROVIDE 12" LONG, 1/2" WIDE FLUORESCENT ORANGE TAPE AT CONCEALED VOLUME DAMPER LOCATIONS.

COMMISSIONING NOTES

- THIS PROJECT SHALL BE COMMISSIONED PER THE AHJ. CONTRACTOR SHALL INCLUDE IN HIS BID THE COST FOR COMMISSIONING EACH SYSTEM DEMONSTRATING COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- PREPARE A PRELIMINARY SCHEDULE AND COMMISSIONING PLAN INCLUDING FLUSH OUT, CLEANING, EQUIPMENT START-UP, TEST AND BALANCE FOR VERIFICATION BY ARCHITECT AND ENGINEER.
- ACCORDANCE WITH THE CONTRACT DOCUMENTS IN ORDER TO SATISFY THE BUILDING OWNER'S DESIGN INTENT AND OPERATION REQUIREMENTS PER ENERGY CODE ENFORCED BY THE LOCAL AHJ. REFER TO SPECIFICATION FOR ADDITIONAL COMMISSIONING REQUIREMENTS.
- THE BUILDING AND ITS ENERGY SYSTEMS HAVE BEEN DESIGN TO COMPLY WITH ENERGY CODE ENFORCED BY THE LOCAL AHJ. CONTRACTOR IS RESPONSIBLE FOR CORRECT INSTALLATION OF ENERGY CONSERVATION MEASURES.

ENERGY CODE NOTES

- MOTORS SHALL COMPLY WITH MINIMUM FULL LOAD EFFICIENCIES LISTED IN THE ENERGY CODE ENFORCED BY THE AHJ.
- INSULATION SHALL COMPLY WITH THICKNESS AND TYPES LISTED IN THE ENERGY CODE ENFORCED BY THE AHJ UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED.
- SEAL DUCT TRANSVERSE JOINTS AND LONGITUDINAL SEAMS.
- SUBMIT RECORD DRAWINGS TO THE BUILDING OWNER UPON PROJECT COMPLETION.
- SUBMIT OPERATION AND MAINTENANCE MANUALS TO BUILDING OWNER UPON PROJECT COMPLETION.
- BALANCE HVAC SYSTEMS AND SUBMIT WRITTEN REPORT TO THE BUILDING OWNER, REFER TO SPECIFICATIONS FOR TAB REQUIREMENTS.
- THIS BUILDING AND ITS ENERGY SYSTEMS HAVE BEEN DESIGNED TO COMPLY WITH THE ENERGY CODE ENFORCED BY THE LOCAL AHJ.
- PERFORM COMMISSIONING OF MECHANICAL SYSTEMS TO ENSURE INSTALLATION COMPLIES WITH DESIGN INTENT AND ENERGY CODE ENFORCED BY AHJ.

MECHANICAL NOTES

- PROTECT EQUIPMENT DURING CONSTRUCTION. COVER SUPPLY AND RETURN DUCT OPENINGS.
- FIELD VERIFY CLEARANCES PRIOR TO FABRICATING DUCTWORK. WORK DONE WITHOUT FIELD MEASURING THAT CONFLICTS OR INTERFERES WITH OTHER TRADES OR BUILDING COMPONENTS SHALL BE REVISED AT CONTRACTOR'S EXPENSE.
- SHEET METAL DRAWINGS ARE DIAGRAMMATIC, PROVIDE ELBOWS, OFFSETS AND TRANSITIONS REQUIRED TO INSTALL DUCTWORK.
- EXHAUST FANS AND PLUMBING VENTS SHALL BE INSTALLED A MINIMUM OF 10'-0" AWAY FROM OUTSIDE AIR INTAKES.
- EXPPOSED DUCTWORK SHALL BE FABRICATED FOR BEST APPEARANCE.
- DUCTWORK SHALL BE GALVANIZED SHEET METAL, FLEX DUCT MAY BE USED ON SUPPLY LINES, MAX OF 5'0" WHEN FULLY EXTENDED.
- PROVIDE AIR BALANCING DAMPERS WITHIN REACH OF THE CEILING SPACE.
- VERIFY LOCATIONS OF THERMOSTATS, WALL SWITCHES AND OTHER CONTROL DEVICES PRIOR TO INSTALLING. SEE ARCHITECTURAL DRAWINGS FOR INTERIOR ELEVATIONS AND ELEMENTS THAT MAY AFFECT PLACEMENT OF CONTROLS. PROVIDE SHOP DRAWING FOR APPROVAL PRIOR TO ROUGH IN.
- VERIFY MOUNTING HEIGHTS OF WALL GRILLES, LOUVERS, HOODS AND OTHER ELEMENTS OFF FINISHED FLOOR PRIOR TO INSTALLATION, REFER TO ARCHITECTURAL DRAWINGS AND CONFIRM WITH FIELD CONDITIONS.
- DUCTWORK SHALL BE INSTALLED COMPLETELY CONCEALED UNLESS OTHERWISE NOTED, COORDINATE CLEARANCE TO AVOID CONFLICTS WITH OTHER ELEMENTS SUCH AS STRUCTURE, FINISHED CEILING HEIGHTS, LIGHTING FIXTURES, PIPING RUNS AND ELECTRICAL CONDUITS.

PIPING NOTES

- PROVIDE UNIONS OR FLANGES AT PIPING CONNECTIONS TO EQUIPMENT, COILS, TRAPS, CONTROL VALVES, AND OTHER COMPONENTS TO ALLOW DISASSEMBLY FOR MAINTENANCE.
- PROVIDE AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUIT ADJACENT TO UNDERGROUND NONMETALLIC (PLASTIC) PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT EACH END OF THE PIPING. THE TRACER WIRE SHALL NOT BE LESS THAN NO. 18 AWG AND THE INSULATION TYPE SHALL BE SUITABLE FOR BURIAL.
- PROVIDE 12" LONG, 1/2" WIDE FLUORESCENT ORANGE TAPE AT CONCEALED VALVE LOCATIONS.

NON-STRUCTURAL MECHANICAL COMPONENT NOTES

- ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND NON-STRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS.
- DESIGN AND SPECIFY HANGERS AND SEISMIC BRACING. SHALL COORDINATE THE SUPPORT SYSTEMS AND DESIGN LOADS FOR HUNG PIPING AND OTHER MECHANICAL SYSTEMS (INCLUDING COMBINED MULTIPLE PIPE RUNS) WITH THE GENERAL CONTRACTOR AND THE STEEL AND WOOD JOIST MANUFACTURERS IN ADDITION TO OTHER TRADES THAT MAY BE IMPACTED.

CONTROLS NOTES

- WORK SHALL BE PERFORMED BY A CONTROLS CONTRACTOR.
- HVAC UNIT: PROVIDE 7 DAY PROGRAMMABLE CONTROL COMPLETE WITH NIGHT SET BACK, ADJUSTABLE OCCUPIED SEQUENCES, ECONOMIZER COOLING, STAGED COOLING, HEATING & VENTILATING CYCLES. LOCATE THERMOSTATS WHERE SHOWN ON PLANS.
- EXHAUST FANS: PROVIDE TIME CLOCK CONTROL TO OPERATE DURING OCCUPIED PERIODS.
- WALL MOUNTED ELECTRIC HEATERS: CONTROL WITH INTEGRAL CONCEALED THERMOSTATS.
- KITCHEN HOOD: KITCHEN HOOD SHALL HAVE ON/OFF SWITCH FOR EXHAUST FAN. PROVIDE INTERLOCK WITH MAKE UP AIR UNIT TO COME ON WHEN HOOD FAN IS ENERGIZED. FOR GAS APPLIANCES UNDER THE HOOD, PROVIDE SHUT-DOWN OF GAS LINE INTERLOCKED WITH GAS SHUT-OFF VALVE PROVIDED BY MANUFACTURER OF THE FIRE SUPPRESSIONS SYSTEM.

ABBREVIATIONS

Ø	DIAMETER, PHASE	EXH EXT	EXHAUST EXTERIOR, EXTERNAL	GAGE
A	AIR, AMPS	F	FAHRENHEIT, FIRE MAIN PIPING	QTY QUANTITY
AAV	AUTOMATIC AIR VENT	FCO	FLOOR CLEANOUT	R RELOCATED
ABV	ABOVE	FCU	FAN COIL UNIT	RA RETURN AIR, RELIEF AIR
AC	AIR CONDITIONER	FD	FIRE DAMPER, FLOOR DRAIN, DRY SPRINKLER ROUTING	RD ROOF DRAIN
ACU	AIR CONDITIONING UNIT	FDC	FIRE DEPARTMENT CONNECTION	REG REGISTER
AD	ACCESS DOOR	FLA	FULL LOAD AMPS	REF REFERENCE,
ADA	AMERICANS WITH DISABILITIES ACT	FLEX	FLEXIBLE FLOOR	RG RETURN/EXHAUST FAN RETURN GRILLE
AF	AIRFOIL	FLR	FLOOR	RI&C ROUGH IN AND CONNECT
AFF	ABOVE FINISHED FLOOR	FPM	FEET PER MINUTE	RL RAIN LEADER
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	FPS	FEET PER SECOND	RLA RATED LOAD AMPS
AG	ABOVE GROUND	FS	FLOOR SINK	RPBP REDUCED PRESSURE BACKFLOW PREVENTER
AHJ	AUTHORITY HAVING JURISDICTION	F/S	FIRE/SMOKE DAMPER	RPM REVOLUTIONS PER MINUTE
AHU	AIR HANDLING UNIT	FT	FEET, FIN TUBE	RTU ROOFTOP UNIT
AL	ACOUSTIC LINED (DUCT)	FV	FACE VELOCITY	S SENSOR
AP	ACCESS PANEL	FW	FILTERED WATER PIPING	SA SUPPLY AIR
ARCH	ARCHITECT	G	GAS	SCFM STANDARD CUBIC FEET PER MINUTE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS, INC.	GA	GAGE	SCH SCHEDULE
	ATMOSPHERE	GAL	GALLONS	SENS SENSIBLE
B	BOILER	GALV	GALVANIZED	SF SUPPLY FAN, SQUARE FOOT
BDD	BACK DRAFT DAMPER	GPF	GALLONS PER FLUSH	SG SUPPLY GRILLE, SIGHT GLASS WITH MOISTURE INDICATOR
BF	BELOW FLOOR	GPH	GALLONS PER HOUR	SIM SIMILAR
BHP	BRAKE HORSE POWER	GPM	GALLONS PER MINUTE	SL REFRIGERANT SUCTION LINE OR SOUND LINED (CLEAR INSIDE
BOD	BOTTOM OF DUCT	GRD	GRILLES, REGISTERS, AND DIFFUSERS	SMACNA CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION, INC.
BOP	BOTTOM OF PIPE	IAQ	INDOOR AIR QUALITY	SOV SHUTOFF VALVE
BOT	BOTTOM	IE	INVERT ELEVATION	SP STATIC PRESSURE
BTUH	BRITISH THERMAL UNIT PER HOUR	C IN.WG	INCH INCHES WATER COLUMN	SS STAINLESS STEEL, SANITARY SEWER
BV	BALL VALVE	kW	KILOWATT	T THERMOSTAT
C	CONDENSATE PIPING	L	LENGTH	TCV TEMPERATURE CONTROL VALVE
CAP	CAPACITY	LAT	LEAVING AIR TEMPERATURE	TD TRENCH DRAIN, TEMPERATURE DIFFERENCE
CC	CEILING COIL	LBS	POUND	TEMP TEMPERATURE
CD	CEILING DIFFUSER, CONDENSATE DRAIN	LD	LINEAR DIFFUSER	TG TRANSFER GRILLE
CFM	CUBIC FEET PER MINUTE	LR	LINEAR RETURN	TOD TOP OF DUCT
CG	CEILING GRILLE	LVR	LOUVER	TOP TOP OF PIPE
CH	CABINET HEATER	LWR	LOW WALL RETURN	TOS TOP OF STEEL
CKV	CHECK VALVE	MAT	MIXED AIR TEMPERATURE	TOF TOP OF FOOTING
CLG	CEILING, COOLING	MAV	MANUAL AIR VENT	TRAP STEAM TRAP
CO	CLEANOUT	MAX	MAXIMUM	TSP TOTAL STATIC PRESSURE
CO2	CO2 SENSOR	MBH	THOUSAND BTU PER HOUR	TU TERMINAL UNIT
COND	CONDENSER, CONDENSATE	MC	MECHANICAL CONTRACTOR	TW TEMPERED WATER
CONN	CONNECTOR	MCA	MINIMUM CIRCUIT AMPACITY	TYP TYPICAL
CONT	CONTINUE, CONTROL	MECH	MECHANICAL	UG UNDERGROUND
COP	COEFFICIENT OF PERFORMANCE	MERV	MINIMUM EFFICIENCY REPORTING VALUE	UH UNIT HEATER
C.TK	COMPRESSION TANK	MIN	MINIMUM	UNO UNLESS NOTED OTHERWISE
CU	CONDENSING UNIT, CUBIC	MOCP	MAXIMUM OVERCURRENT PROTECTION	V VENT PIPING, VOLT
CV	CONSTANT VOLUME	MOD	MOTOR OPERATED DAMPER	VA VALVE
CW	COLD WATER PIPING	N	NEW	VAV VARIABLE AIR VOLUME
D	DRAIN	NA	NOT APPLICABLE	VCD VOLUME CONTROL DEVICE
DB	DRY BULB (TEMPERATURE)	NC	NORMALLY CLOSED, NOISE CRITERIA	VD VOLUME DAMPER
dB	DECIBEL	NIC	NOT IN CONTRACT	VEL VELOCITY
DCVA	DOUBLE CHECK VALVE ASSEMBLY	NO	NORMALLY OPEN, NITROUS OXIDE	VENT VENTILATION, VENTILATOR
DEG	DEGREE	IN.	NUMBER	VFD VARIABLE FREQUENCY DRIVE
DEMO	DEMOLITION	NTS	NOT TO SCALE	VOLT VOLTAGE
DFU	DRAINAGE FIXTURE UNIT	OA	OUTDOOR AIR	VTR VENT THRU ROOF
DIA	DIAMETER	OC	ON CENTER	W WASTE, WATT, WIDE, WATER
DIM	DIMENSION	OD	OUTSIDE DIMENSION OR DIAMETER	W/ WITH
DN	DOWN	ORD	OVERFLOW ROOF DRAIN	WB WET BULB (TEMPERATURE)
DWGS	DRAWINGS	OSA	OVERFLOW RAIN LEADER OUTDOOR SUPPLY AIR	WC WATER CLOSET, WATER COLUMN
(E)	EXISTING	P	PUMP, PRESSURE, PLUMBING FIXTURE	WCO WALL CLEANOUT
EA	EXHAUST AIR	PD	PRESSURE DROP, PUMPED DRAIN	WG WATER GAGE
EAT	ENTERING AIR TEMPERATURE	PH	PHASE	WH WATER HEATER, WALL HYDRANT
EER	ENERGY EFFICIENCY RATIO	PIV	POST INDICATOR VALVE	WHA WATER HAMMER ARRESTOR
EF	EXHAUST FAN	POC	POINT OF CONNECTION	WM WATER METER
EFF	EFFICIENCY	PRV	PRESSURE REDUCING VALVE	WSEC WASHINGTON STATE ENERGY CODE
EG	EXHAUST GRILLE	PSIG	POUNDS PER SQUARE INCH	WSFU WATER SUPPLY FIXTURE UNIT
EL	ELEVATION			WT WEIGHT
ELEC	ELECTRIC			
EQUIV	EQUIVALENT			
ESP	EXTERNAL STATIC PRESSURE			
ET	EXPANSION TANK			
EVAP	EVAPORATOR, EVAPORATIVE			
EWC	ELECTRIC WATER COOLER			
EW	ENTERING WATER TEMP			

PROJECT

GINA BURKHAMMER
DON'S DRIVE-IN
925 S MERIDIAN
PUYALLUP, WA 98371

REVISIONS

Description

Date

Rev#

Start Date

Project Number

File Name

Plot Date

SHEET NAME

HVAC
NOTES
--ABBREVIATION &
PERMIT SET

SHEET NO.

M0.1

GENERAL

	EXISTING MECHANICAL TO BE REMOVED
	EXISTING MECHANICAL TO REMAIN
	MATCHLINE OR PROPERTY LINE
	ENLARGED PLAN BOUNDARY
	DETAIL/PLAN IDENTIFIER
	SECTION IDENTIFIER
	ELEVATION IDENTIFIER
	REVISION CALLOUT
	KEYED NOTE TAG
	CODED NOTE
	MECHANICAL EQUIPMENT TAG
	INVERT ELEVATION OR POC

CONTROLS (PLAN VIEW)

	THERMOSTAT OR TEMPERATURE SENSOR
	SENSOR: SHOWN WITH GUARD (TYPICAL ALL SENSORS)
	HUMIDISTAT OR HUMIDITY SENSOR
	CARBON MONOXIDE SENSOR
	CARBON DIOXIDE SENSOR
	INDOOR AIR QUALITY SENSOR
	MOTORIZED DAMPER
	AIRFLOW MEASURING UNIT
	DUCT SMOKE DETECTOR
	SWITCH BY MECHANICAL

INLETS AND OUTLETS

	RUNOUT SIZE (FACE SIZE) (INCHES)
	GRILLE REGISTER OR DIFFUSER TYPE
	AIR QUANTITY (CFM)
	CEILING DIFFUSER
	RETURN/RELIEF AIR GRILLE
	EXHAUST AIR GRILLE
	LINEAR DIFFUSER/GRILLE
	RETURN/EXHAUST AIRFLOW
	SUPPLY AIR FLOW

ACCESS

	ACCESS DOOR (SPECIFIED OR AS SHOWN ON DWGS)
	MECHANICAL ACCESS (SPECIFIED OR AS SHOWN ON DWGS)

ELECTRICAL PROVISIONS FOR MECHANICAL WORK

	LOCATION OF STARTER, DISCONNECT & CONTROLS
	VARIABLE FREQUENCY DRIVE
	HEAT TRACE BETWEEN SYMBOLS OR END OF RUN

PIPING

	PIPE ELBOW UP OR PIPE TEE UP AND DOWN
	PIPE ELBOW DOWN
	PIPE TEE UP
	PIPE TEE DOWN
	PIPE RISE
	PIPE CAP
	PIPE PLUG
	FLOW DIRECTION
	PIPE BREAK
	CONDENSATE DRAIN

PIPING SPECIALTIES

	UNION
	FLANGE
	FLEX CONNECTOR
	THERMAL/SEISMIC FLEXIBLE LOOP
	THERMAL EXPANSION JOINT

NATURAL GAS PIPING SYSTEM

	LOW PRESSURE NATURAL GAS PIPING
	MEDIUM PRESSURE NATURAL GAS PIPING
	GAS COCK
	PRESSURE REGULATOR
	PRESSURE REGULATOR WITH VENT
	SEISMIC GAS SHUT-OFF
	GAS PRESSURE REDUCING VALVE WITH VENT

REFRIGERANT PIPING SYSTEM

	REFRIGERANT LIQUID LINE
	REFRIGERANT SUCTION LINE
	CONDENSATE DRAIN

FIRE DAMPERS

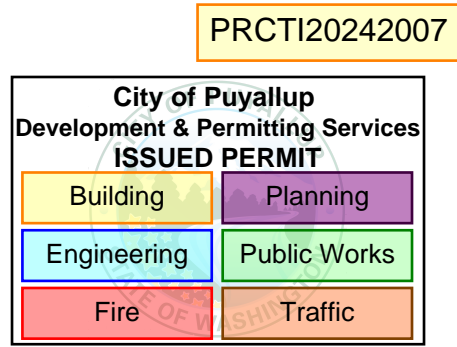
	FIRE DAMPER
	FIRE/SMOKE DAMPER
	SMOKE DAMPER
	CEILING FIRE DAMPER

VALVES

	VALVE: GATE, BALL, BUTTERFLY (REFER TO SPECIFICATIONS)
	GLOBE VALVE
	SOLENOID VALVE
	CHECK VALVE
	BALANCING VALVE

DUCTWORK

	BACKDRAFT DAMPER
	VOLUME DAMPER
	FLEXIBLE CONNECTION TO MECHANICAL EQUIPMENT
	TRANSITION – FROM RECTANGULAR TO ROUND
	TRANSITION – FROM ROUND TO RECTANGULAR
	RISE IN DUCT (D=DROP IN DUCT)
	DUCT SIZE (CLEAR INSIDE DIMENSION)
	SOUNDLINED DUCTWORK (CLEAR INSIDE DIMENSION)
	RECTANGULAR DUCT UP
	RECTANGULAR DUCT DN
	ROUND DUCT UP
	ROUND DUCT DN
	FLEXIBLE DUCTWORK
	TRANSITION OR REDUCER (FOT=FLAT ON TOP, FOB=FLAT ON BOTTOM)
	TRANSITION – ECCENTRIC
	45° ELBOW, R/D OR R/W=1.5
	90° ELBOW, R/D OR R/W=1.5
	SQUARE CORNER ELBOW WITH TURNING VANES
	90° TAKE-OFF WITH 45° TAPER
	45° TAKE-OFF
	RADIUS TAP IN
	WYE FITTING
	RADIUS TEE
	SQUARE TEE WITH TURNING VANES
	BULLHEAD TEE
	SECTION THRU RECTANGULAR SUPPLY AIR DUCT
	SECTION THRU RECTANGULAR RETURN OR OUTSIDE AIR DUCT
	SECTION THRU RECTANGULAR EXHAUST AIR DUCT
	SECTION THRU ROUND DUCT
	RECTANGULAR SUPPLY DUCT ROOF PENETRATION
	RECTANGULAR RETURN OR OUTSIDE AIR DUCT ROOF PENETRATION
	RECTANGULAR EXHAUST DUCT ROOF PENETRATION
	ROUND DUCT ROOF PENETRATION



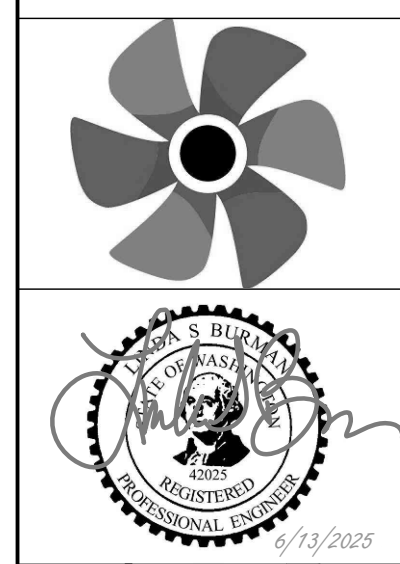
WEDDERMANN ARCHITECTURE

JENNIFER WEDDERMANN, AIA, LEED AP

4629 SOUTH YAKIMA TACOMA, WA 98408

(253) 973-6611

JENNIFER@WEDDERMANN.COM



PROJECT	GINA BURKHAMMER DON'S DRIVE-IN 925 S MERIDIAN PUYALLUP, WA 98371	
	Description	
REVISIONS	Date	Rev#
	12/13/24	24041
INFO	Project Number:	DON'S
	File Name:	DRIVE-IN.RVT
SHEET NAME	Start Date:	12/13/2024 9:00:33 AM
	File Name:	PERMIT SET
SHEET NO.		
M0.2		

VENTILATION CALCULATION													
LEVEL	AREA SERVED	ZONE NUMBER	AREA(SQ. FT.)	DISTRIBUTION EFFECTIVENESS	RATE (# PEOPLE / 1000 SQ. FT.)	POPULATION	OUTDOOR AIR RATE (CFM / PERSON)	AREA OUTDOOR AIR RATE (CFM / SQ. FT.)	AIRFLOW RATE (CFM)	OUTDOOR AIRFLOW PROVIDED	EXHAUST AIRFLOW RATE CFM	REQUIRED EXHAUST (CFM)	EXHAUST PROVIDED (CFM)
	Zone 1 Kitchen	1	138	1	20	2.76	7.5	0.12	37.26	40.00	0.7	96.6	100
	Zone 2 Kitchen	2	290	1	20	5.8	7.5	0.12	78.30	80.00	0.7	203	200
	Zone 3 Storage	3	90	1				0.06	5.40	20	0.12	10.8	50
	Zone 4 Dining/Waiting Area	4	250	1	70	17.5	7.5	0.18	176.25	180			
	Toilet Room	5	22	1								50	50
TOTAL										320.00		310.4	400

AIR BALANCE SUMMARY		PRCTI20242007
AREA SERVED	OUTSIDE AIR REQUIRED	SERVED BY HVAC SYSTEM
OUTSIDE AIR FOR VENTILATION		
COOKLINE HOOD	2400	EXHAUST FAN
RESTROOM	50	EXHAUST FAN
STORAGE	50	EXHAUST FAN
KITCHEN	120	
TOTAL	2620	
AIR TO BE POSITIVE ≈ 5%	130	
TOTAL OA NEEDED	2750	
AIR PROVIDED BY RTUs		
RTU	590	DINING
MUA-1	2160	KITCHEN
TOTAL	2750	

ROOFTOP UNIT SCHEDULE																								
MARK	AREA SERVED	MANUFACTURER / MODEL NO.	SUPPLY AIRFLOW (CFM)	MIN OA (CFM)	FAN(S)		ELECTRICAL			HEATING						COOLING				WEIGHT (LBS)	SIZE LxWxH (INxINxIN)	FILTER (#-LxWxH)	NOTES	
					SUPPLY MOTOR (HP)	ESP (IN)	V / PH	MCA	MOCP	EAT (DEG F)	LAT (DEG F)	HEAT INPUT (MBH)	HEAT OUTPUT (MBH)	HEATING STAGES	AFUE (%)	EAT (DEG F)	LAT (DEG F)	COOLING GROSS (MBH)	ARI COOLING MBH					SEER2
RTU	KITCHEN AND DINING AREAS	RUDD RGECZR048AAJT07BACCA0	1600	590	1	0.5	208-1-60	34	50	70	122.3	75000	60750	1	92	80	59.1	48.82	45.5	13.4	580	79-3/16x46-3/4x4 1-3/8"	16x25x25	1
NOTES:																								
1	ROOFTOP UNIT WITH PREFABRICATED ROOF CURB																							
2	INSTALL 100% OUTSIDE AIR UNIT, LOW LEAK MOTORIZED DAMPER FOR ECONOMIZER COOLING																							

DUCT SYSTEMS INSULATION SCHEDULE					
LOCATION OF DUCT	DUCT SYSTEM TYPE	DUCT CONFIGURATION	INSULATION TYPE	MINIMUM R-VALUE, INSULATION THICKNESS	NOTES
DUCT NOT WITHIN CONDITIONED SPACE	SUPPLY, RETURN, EXHAUST, MIXED, OUTSIDEM, AND TRANSFER AIR DUCTS	RECTANGULAR - EXPOSED	RIGID BOARD	R-7, 1 LAYER, 2 INCH THICK	
		RECTANGULAR - CONCEALED	DUCT WRAP	R-7, 1 LAYER, 3 INCH THICK	
		ROUND AND OVAL	DUCT WRAP	R-7, 1 LAYER, 3 INCH THICK	
DUCT WITHIN CONDITIONED SPACE	SUPPLY, RETURN, EXHAUST, GENERATOR EXHAUST, RELIEF, AND TRANSFER AIR DUCTS	RECTANGULAR - EXPOSED	RIGID BOARD	R-3.3, 1 INCH THICK	
		RECTANGULAR - CONCEALED	DUCT WRAP	R-3.3, 1 LAYER, 1-1/2 INCH THICK	
		ROUND AND OVAL	DUCT WRAP	R-3.3, 1 LAYER, 1-1/2 INCH THICK	
	MIXED AND OUTSIDE AIR DUCTS	RECTANGULAR - EXPOSED	RIGID BOARD	R-7, 1 LAYER, 2 INCH THICK	
		RECTANGULAR - CONCEALED	DUCT WRAP	R-7, 1 LAYER, 3 INCH THICK	
		ROUND AND OVAL	DUCT WRAP	R-7, 1 LAYER, 3 INCH THICK	
DUCTS AND PLENUMS WITHIN CONDITIONED SPACE FUNCTIONING AS PART OF BUILDING ENVELOPE	ALL DUCT TYPES	RECTANGULAR	RIGID BOARD	R-VALUE EQUAL TO BUILDING ENVELOPE, THICKNESS AS REQUIRED	NOTE 1
		ROUND AND OVAL	DUCT WRAP	R-VALUE EQUAL TO BUILDING ENVELOPE, THICKNESS AS REQUIRED	NOTE 1
NOTES:					
1- INSULATE OUTSIDE, EXHAUST, AND RELIEF AIR DUCTS FROM BUILDING ENVELOPE TO BACKDRAFT DAMPER WITH R-VALUE EQUAL TO BUILDING ENVELOPE THICKNESS					

AIR DEVICE SCHEDULE										
MARK	MANUFACTURER / MODEL NO.	SUPPLY / RETURN / EXH	DESCRIPTION	TYPE (BORDER TYPE)	FACE SIZE (LxW) (INxIN)	FRAME TYPE	FINISH	MATERIAL	ACC.	NOTES
A	SHOEMAKER MAD	SUPPLY	SQUARE CEILING DIFFUSER	HARD OR LAY-IN	24x24	1	WHITE	STEEL	4-WAY	1,2
B	SHOEMAKER 905	RET/EXH	EGGCRATE RETURN GRILLE	HARD OR LAY-IN	AS INDICATED ON PLANS	1	WHITE	ALUMINUM	PFA	2
C	SHOEMAKER	SUPPLY	WALL SUPPLY - CORRIDORS							
E	SHOEMAKER	EXHAUST	WALL EXHAUST - CORRIDORS							
DL	SHOEMAKER 4000	TRANSFER	DOOR LOUVER	IN DOOR	12X12	1	WHITE	ALUMINUM		2
WL	POTTOFF EOD-445	OUTSIDE AIR	WEATHERPROOF LOUVER		PER ARCH		WHITE	STEEL		
NOTES:										
1 SIZE ON GRD CALLOUT REFERS TO DUCT RUNOUT SIZE.										
2 PROVIDE PRIMER FINISH WHERE GRILLES ARE INSTALLED IN PAINTED CEILING OR WALL APPLICATION										

EXHAUST FAN SCHEDULE													
MARK	LOCATION	MANUFACTURER/MODEL NO.	FAN TYPE	AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE	RPM	VOLT/PHASE	WATTS	HP	CONTROLS	DIMENSIONS	WEIGHT (LBS)	NOTES
EF-1	RESTROOM	PANASONIC WHISPER QUIET	CEILING	50	0.25	-	120/1	3.7	-	TIMECLOCK	-	12	1
EF-2	STORAGE	PANASONIC WHISPER QUIET	CEILING	50	0.25	-	120/1	3.7	-	TIMECLOCK	-	12	1
EF-3	KITCHEN	GREEN HECK	CEILING	120	0.25	-	120/1	12.9	-	TIMECLOCK	-	25	1
NOTES: WITH SPEED CONTROL ON CABINET FOR BALANCING PURPOSES, ECM MOTOR													

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

HOOD INFORMATION

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM						TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
										RISER(S)								END TO END	ROW	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL					SP
1		3044 BD-2	CAPTIVEAIRE	12' 0"	600 DEG	I	HEAVY	200	2400			4"	16"	2400	1719	-1.220"	0	430 SS WHERE EXPOSED	ALONE	ALONE

EXHAUST FAN INFORMATION

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	EF	1	DU180HFA	CAPTIVEAIRE	2400	1.250	1103	TEFC,PREMIUM	1.500	1.0430	3	208	6.5	554 FPM	181	12.2

MUA FAN INFORMATION

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCp	EVAP FLOW RATE (Gal/Hr)	EVAP COOLER ENTERING DB TEMP	EVAP COOLER ENTERING WB TEMP	EVAP COOLER LEAVING DB TEMP	EVAP COOLER LEAVING WB TEMP	WEIGHT (LBS)	SONES
2	MAU	1	A1-D.250-18Z	18Z-1-MOD	A1-D.250	1000	2160	0.500	1898	ODP-ECM	1.675	1.5070	1	208	9.6	13.2A	20A	3.59	90.0°F	63.0°F	70.0°F	63.0°F	696	17.3

[illegible]

GENERAL NOTES

1 SEE SHEET M0.1 FOR ADDITIONAL NOTES

PRCT120242007

City of Puyallup
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Building

Planning

Engineering

Public Works

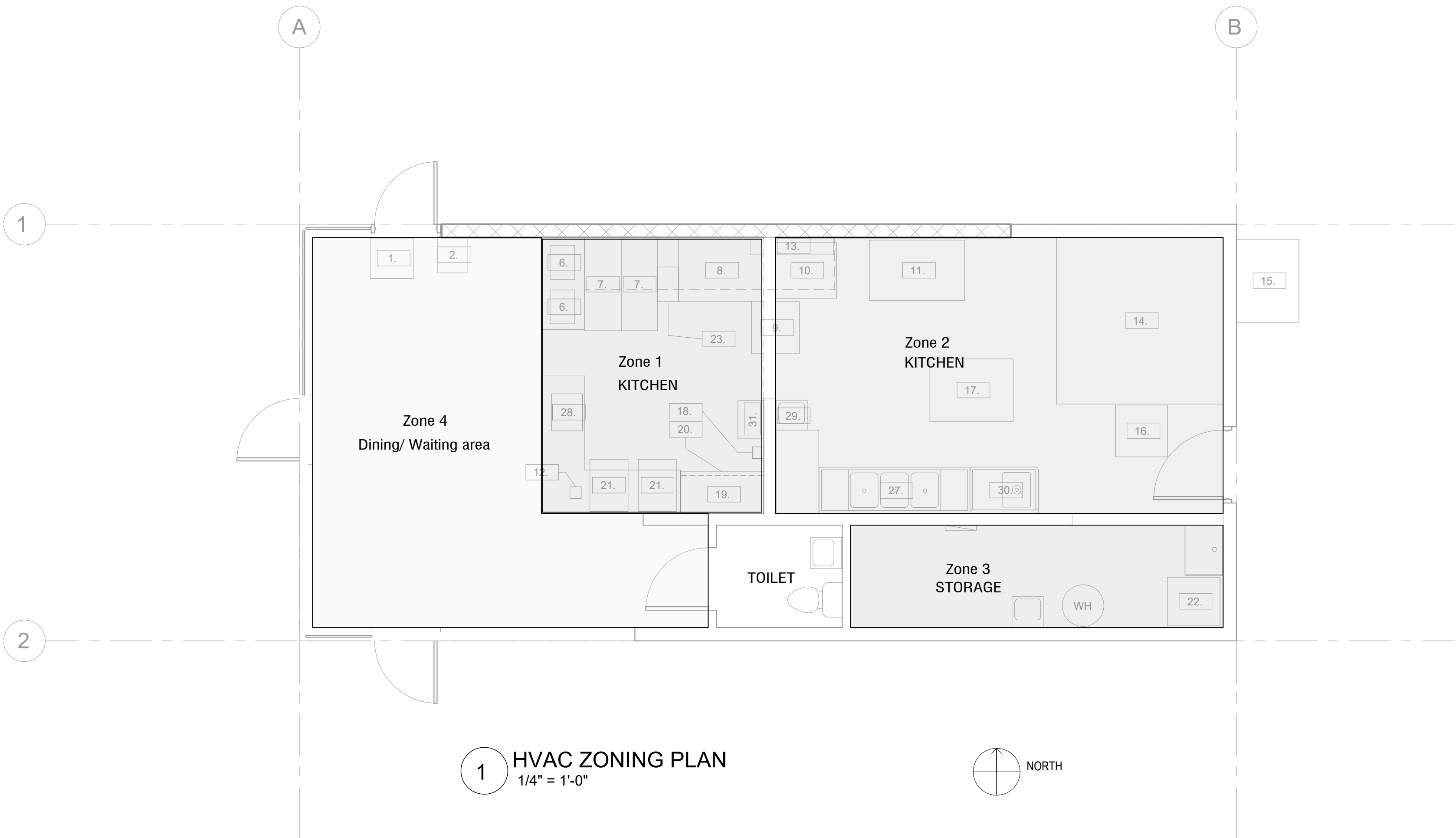
Fire

Traffic

WEDDERMANN
ARCHITECTURE

JENNIFER WEDDERMANN, AIA, LEED
AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253) 973-6611
JENNIFER@WEDDERMANN.COM

SHEET NAME	INFO	REVISIONS	PROJECT
HVAC ZONING PLAN	12/13/24 24041 DON'S DRIVE-IN RVT	Description Date Rev#	GINA BURKHAMMER DON'S DRIVE-IN 925 S MERIDIAN PUYALLUP, WA 98371
PERMIT SET	12/13/2024 9:00:33 AM Rev#		
SHEET NO.		M1.1	



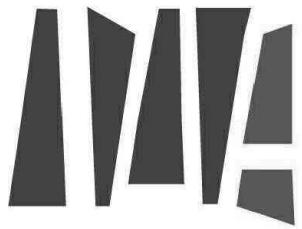
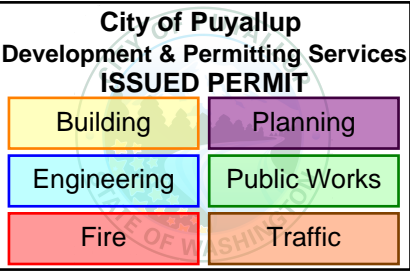
1 HVAC ZONING PLAN
1/4" = 1'-0"

GENERAL NOTES

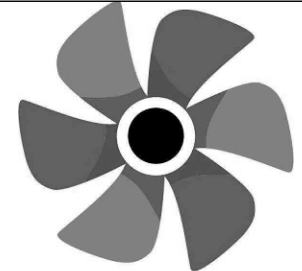
- 1 SEE SHEET M0.1 FOR ADDITIONAL NOTES
2 HVAC SCOPE MAINLY CONSISTS OF REPLACING EXISTING ROOF TOP UNIT W/ A NEW ONE. ADJUST EXISTING SUPPLY AND RETURN DUCTS IF NEEDED, AND RE-BALANCE AIR SYSTEM.
3 REFER TO KITCHEN HOOD SYSTEM DETAILS FOR ADDITIONAL INFORMATION

PLAN NOTES

- 1 DUCTS UP TO ROOF TOP UNIT. TRANSITION AS REQUIRED TO FIT EXISTING STRUCTURE AND MATCH RTU CONNECTIONS
2 FIRE WRAPPED DUCT. PROVIDED ACCESS PANEL FOR CLEANING AS REQUIRED BY CODE.



**WEDDERMANN
ARCHITECTURE**
JENNIFER WEDDERMANN, AIA, LEED
AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-6611
JENNIFER@WEDDERMANN.COM



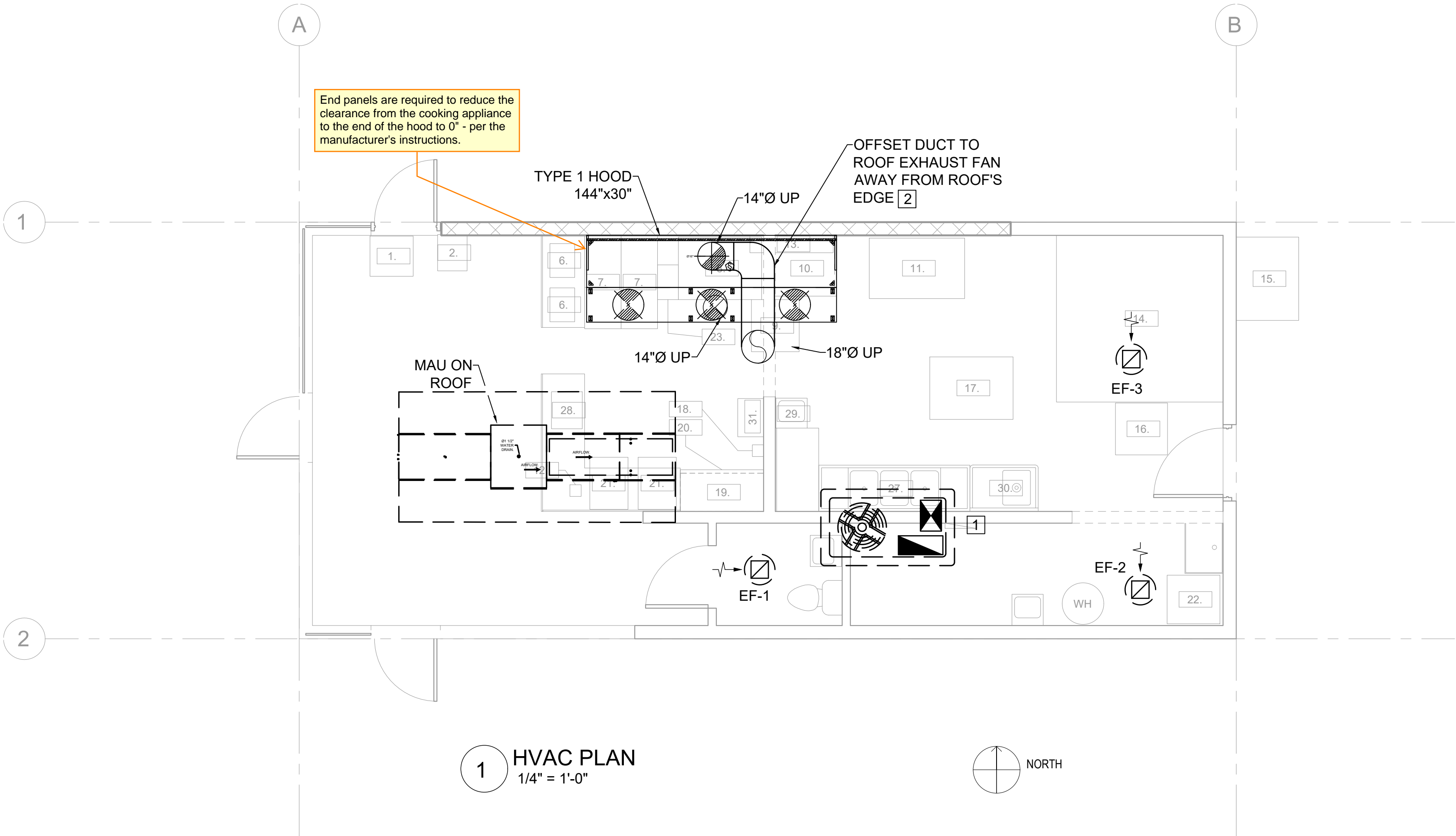
PROJECT
GINA BURKHAMMER
DON'S DRIVE-IN
925 S MERIDIAN
PUYALLUP, WA 98371

REVISIONS	INFO
Description	Rev# Date
	12/13/24
	24041
	DON'S
	DRIVE-IN RVT

SHEET NAME
HVAC FLOOR PLAN
PERMIT SET

SHEET NO.

M1.2



GENERAL NOTES

- 1 SEE SHEET M0.1 FOR ADDITIONAL NOTES
2 MAINTAIN A MINIMUM OF 10'-0" BETWEEN OUTSIDE AIR INTAKE AND EXHAUST OPENINGS.

City of Puyallup
Development & Permitting Services
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Building

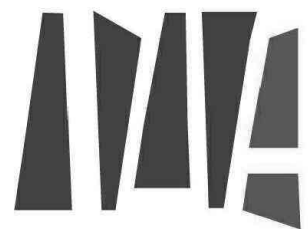
Planning

Engineering

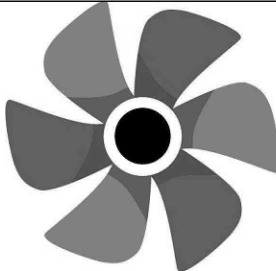
Public Works

Fire

Traffic



WEDDERMANN
ARCHITECTURE
JENNIFER WEDDERMANN, AIA, LEED AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
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PROJECT
GINA BURKHAMMER
DON'S DRIVE-IN
925 S MERIDIAN
PUYALLUP, WA 98371

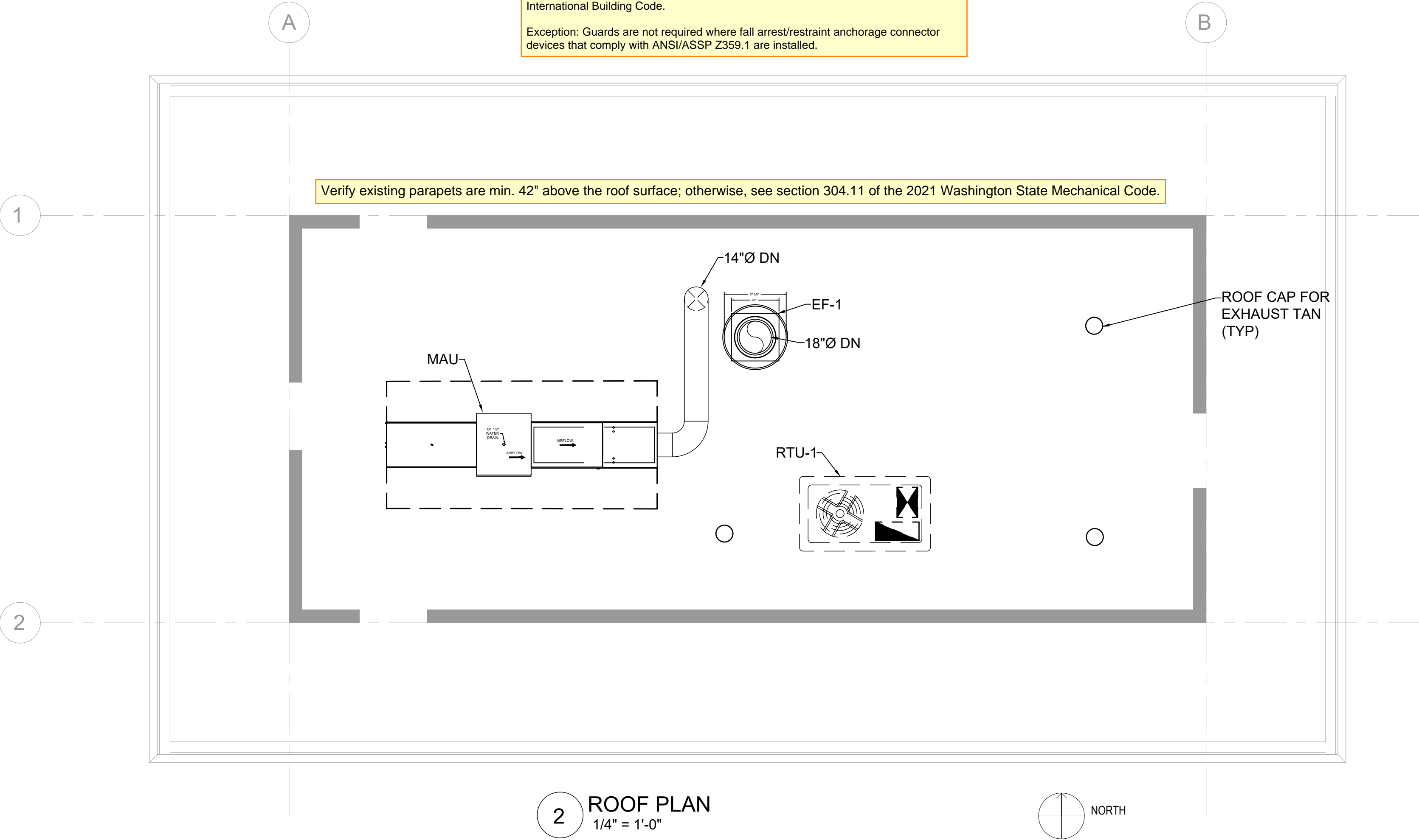
REVISIONS	INFO
Description	Rev# Date
	12/13/24 24041
	DON'S DRIVE-IN RVT
	12/13/2024 9:00:33 AM

SHEET NAME	SHEET NO.
HVAC ROOF PLAN	M1.3
PERMIT SET	

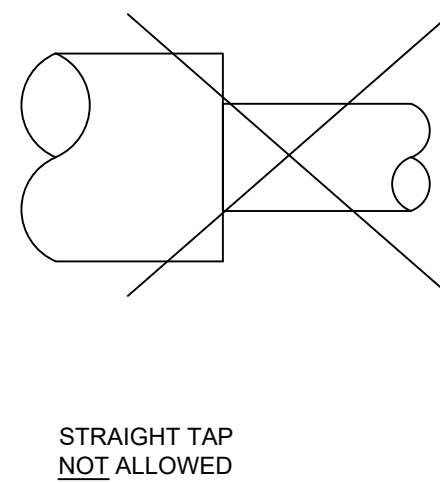
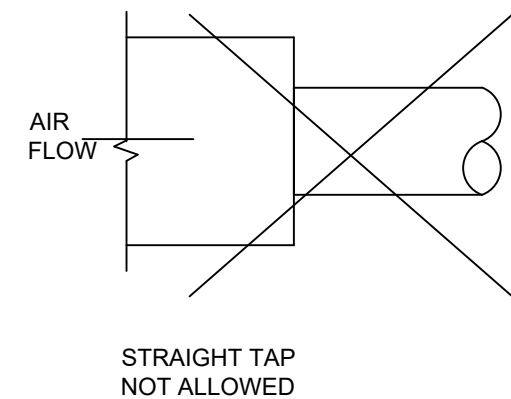
[2021 Washington State Mechanical Code, section 304.11]
Guards.
Guards shall be provided where various components that require service and roof hatch openings are located within 10 feet (3048 mm) of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches (762 mm) above the floor, roof, or grade below. The guard shall extend not less than 30 inches (762 mm) beyond each end of components that require service and each end of the roof hatch parallel to the roof edge. The top of the guard shall be located not less than 42 inches (1067 mm) above the elevated surface adjacent to the guard. The guard shall be constructed so as to prevent the passage of a 21-inch-diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the International Building Code.

Exception: Guards are not required where fall arrest/restraint anchorage connector devices that comply with ANSI/ASSP Z359.1 are installed.

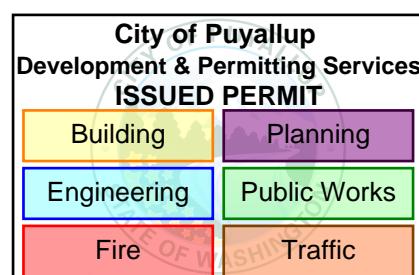
Verify existing parapets are min. 42" above the roof surface; otherwise, see section 304.11 of the 2021 Washington State Mechanical Code.



2 ROOF PLAN
1/4" = 1'-0"



SCALE : NTS



SHEET NO.

M2.0

HOOD INFORMATION – JOB#6479484

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)						TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL			SP	END TO END	ROW
1		3044 BD-2	CAPTIVEAIRE	12' 0"	600 DEG	I	HEAVY	200	2400			4'	16'	2400	1719	-1.220'	0	430 SS WHERE EXPOSED	ALONE	ALONE
2		206 MISC-PSP	CAPTIVEAIRE	12' 0"	300 DEG	I	N/A	0	0								1800	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	TYPE	FILTER(S)				QTY	LIGHT(S)				WIRE GUARD	LOCATION	SIZE	UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
			QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS		TYPE							TYPE	SIZE	MODEL #	QUANTITY		
1		CAPTRATE SOLO FILTER	9	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND				NO							NO	506 LBS
2							0												NO	88 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION									
1		RIGHT QUARTER END PANEL	20"	TOP WIDTH,	0"	BOTTOM WIDTH,	20"	HIGH	430	SS.	
		LEFT QUARTER END PANEL	20"	TOP WIDTH,	0"	BOTTOM WIDTH,	20"	HIGH	430	SS.	
		INSULATION FOR TOP OF HOOD.									
		STRUCTURAL FRONT PANEL.									
		INSULATION FOR BACK OF HOOD.									
		DI-PSP	10"	120CFM	(QTY. 3).						

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG	DIA	CFM	SP
2		Front	144'	20'	6'	MUA			18"	600	0.183"
						MUA			18"	600	0.183"
						MUA			18"	600	0.183"

DIFFUSER SCHEDULE

TAG	MODEL	CEILING HEIGHT	NOMINAL FACE SIZE	RISER DIA	CFM	DUCT VELOCITY (FPM)	FACE DISCHARGE VELOCITY (FPM)	T50 AFF	SP	NOISE CRITERIA	LINKED FAN	LINKED HOOD
	DI-PSP-10-24X24	8'	24 X 24	10	120	220	36	8.21'	0.012"	6		3044BD-2

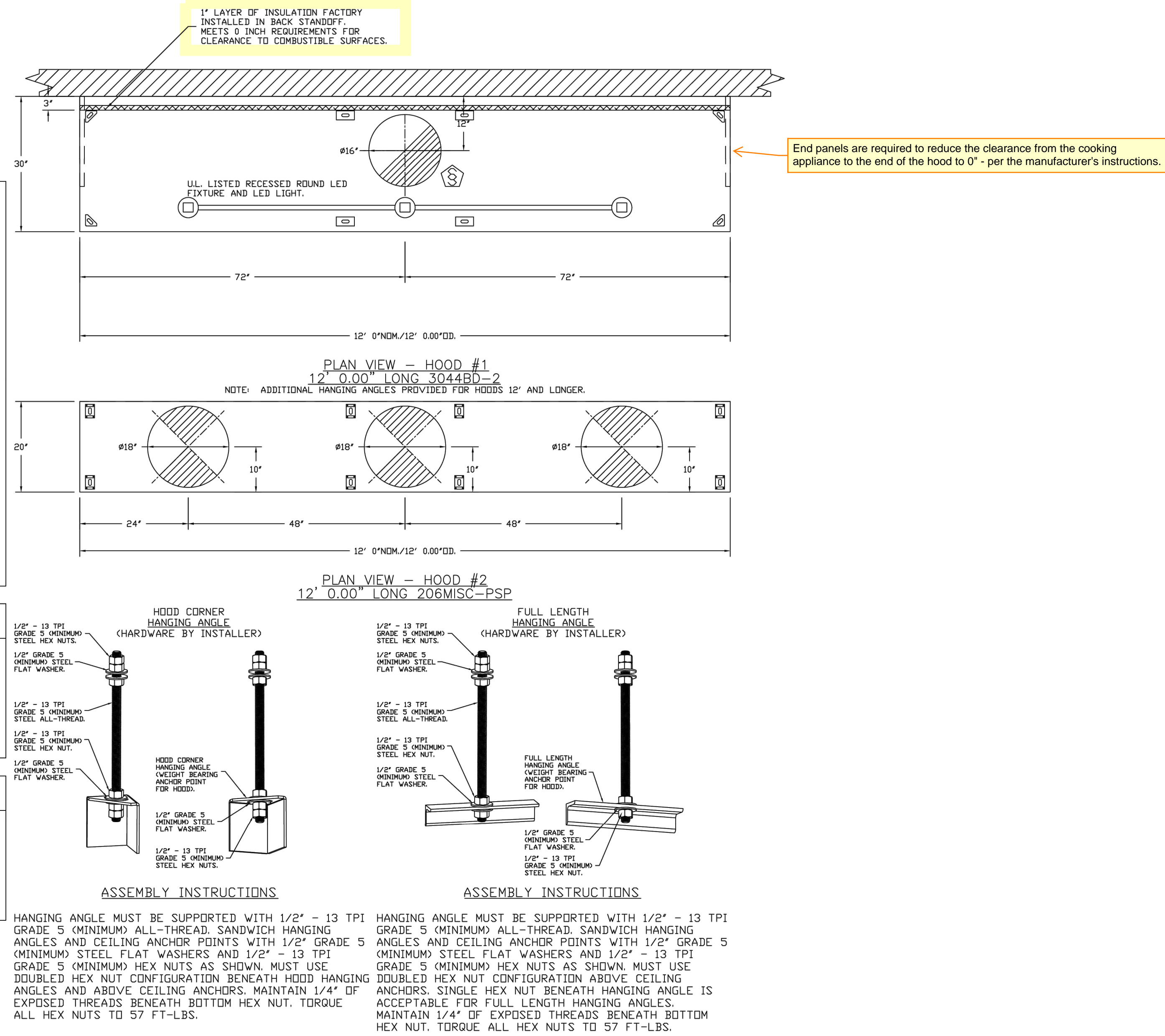


GREASE DUCT & CHIMNEY SPECIFICATIONS:

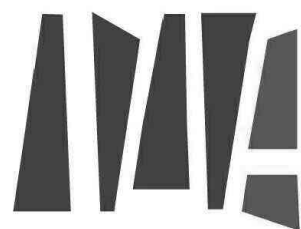
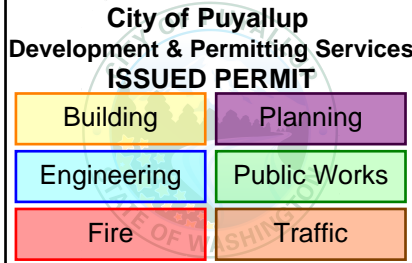
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE. PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

DUCT WILL BE FIRE WRAPPED WITH 2 LAYERS OF INSULATION REQUIRED TO PROVIDE FIRE RATING

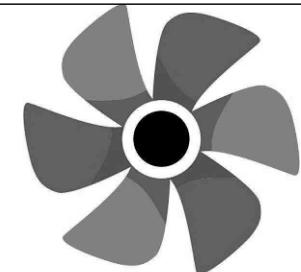
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WEDDERMANN
ARCHITECTURE
JENNIFER WEDDERMANN, AIA, LEED AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253) 973-6611
JENNIFER@WEDDERMANN.COM



PROJECT
GINA BURKHAMMER
DON'S DRIVE-IN
925 S MERIDIAN
PUYALLUP, WA 98371

REVISIONS
Description
PERMIT COMMENTS

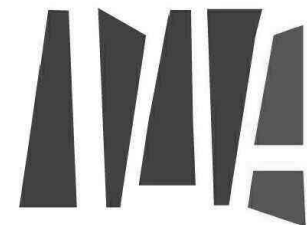
Date
6/13/2025

INFO
12/13/24
24041
DON'S
DRIVE-IN RVT
Rev#
Date
12/13/2024 9:00:33 AM

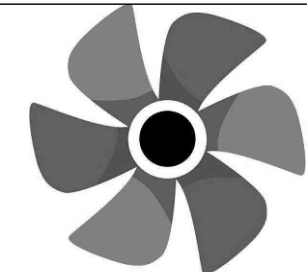
SHEET NAME
HOOD DETAILS
PERMIT SET

SHEET NO.

M2.2



**WEDDERMANN
ARCHITECTURE**
JENNIFER WEDDERMANN, AIA, LEED
AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253) 973-6611
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PROJECT
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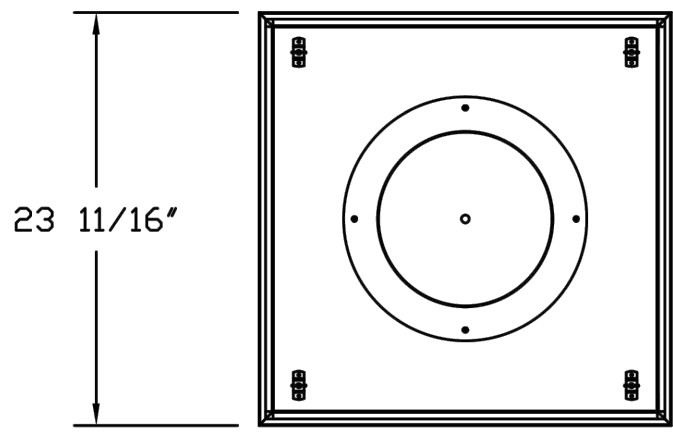
REVISIONS	DESCRIPTION

INFO	DATE	REV#	DESCRIPTION
	12/13/24	24041	DON'S DRIVE-IN RVT

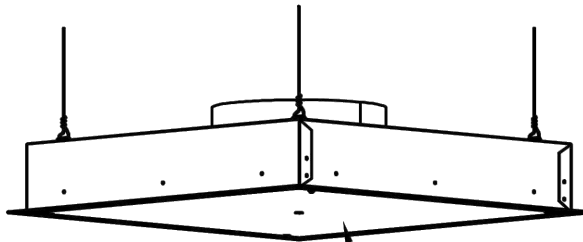
SHEET NAME
HOOD DETAILS
PERMIT SET

SHEET NO.
M2.3

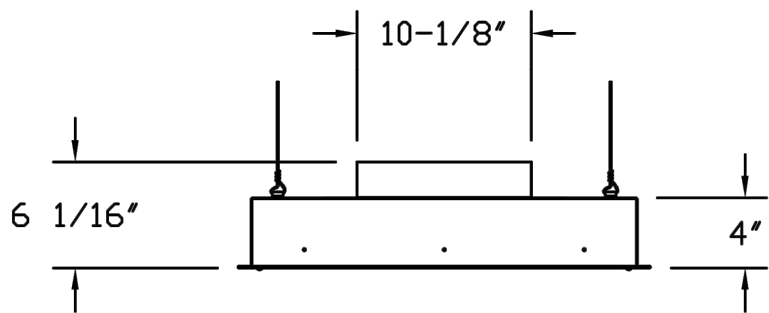
QTY 3-DROP-IN PERFORATED SUPPLY PLENUM DIFFUSER
(DI-PSP)



FEATURES:
STAINLESS STEEL PERFORATION AND TRIM
REMOVABLE PERFORATION FOR PLENUM CLEANING
DOUBLE PERFORATION FOR EVEN AIR DISTRIBUTION
1/2" THICK INSULATION ON EXTERIOR TOP AND SIDES
APPROX. WEIGHT = 20 lbs



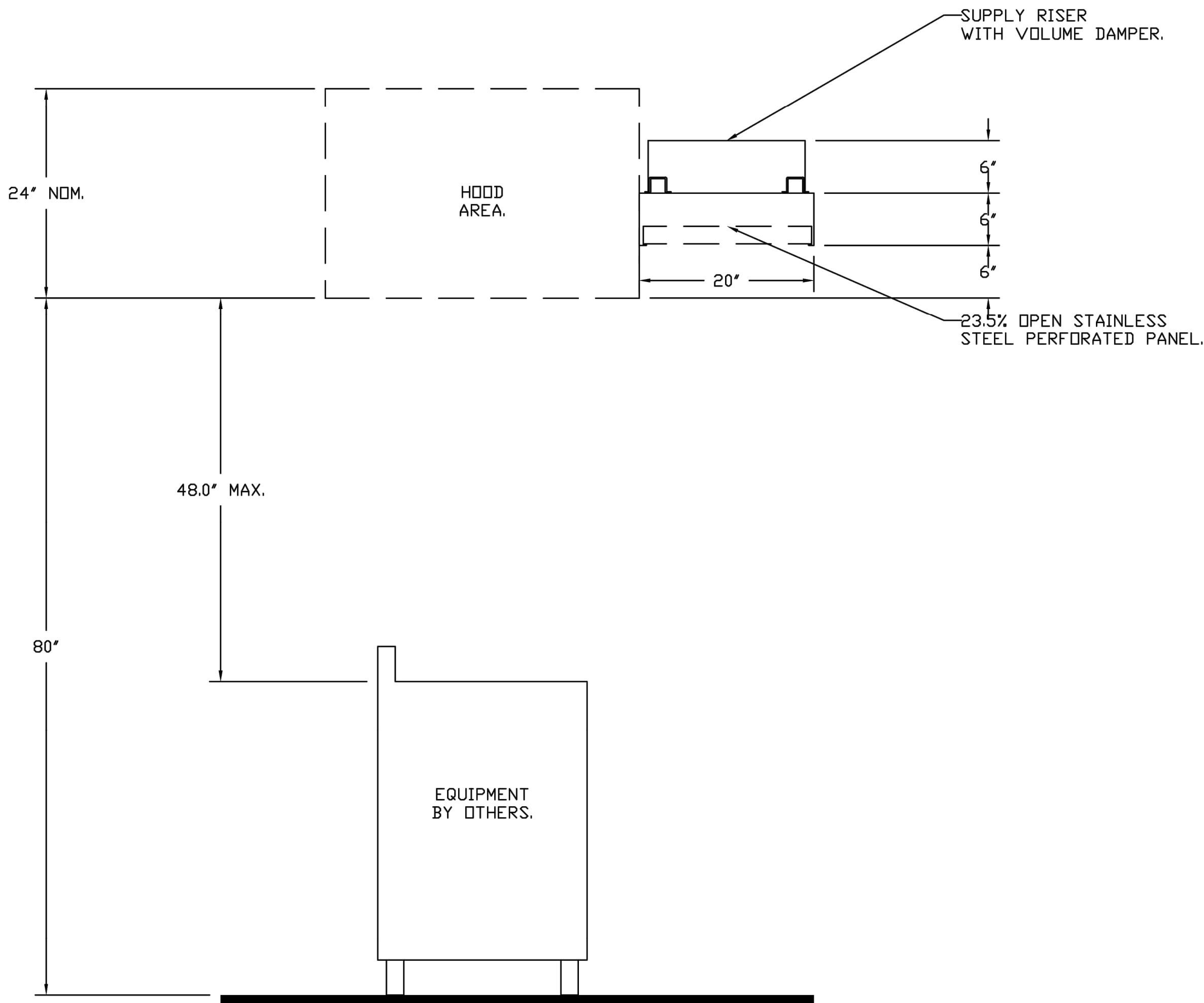
22" X 22" DOUBLE LAYER
PERFORATED STEEL



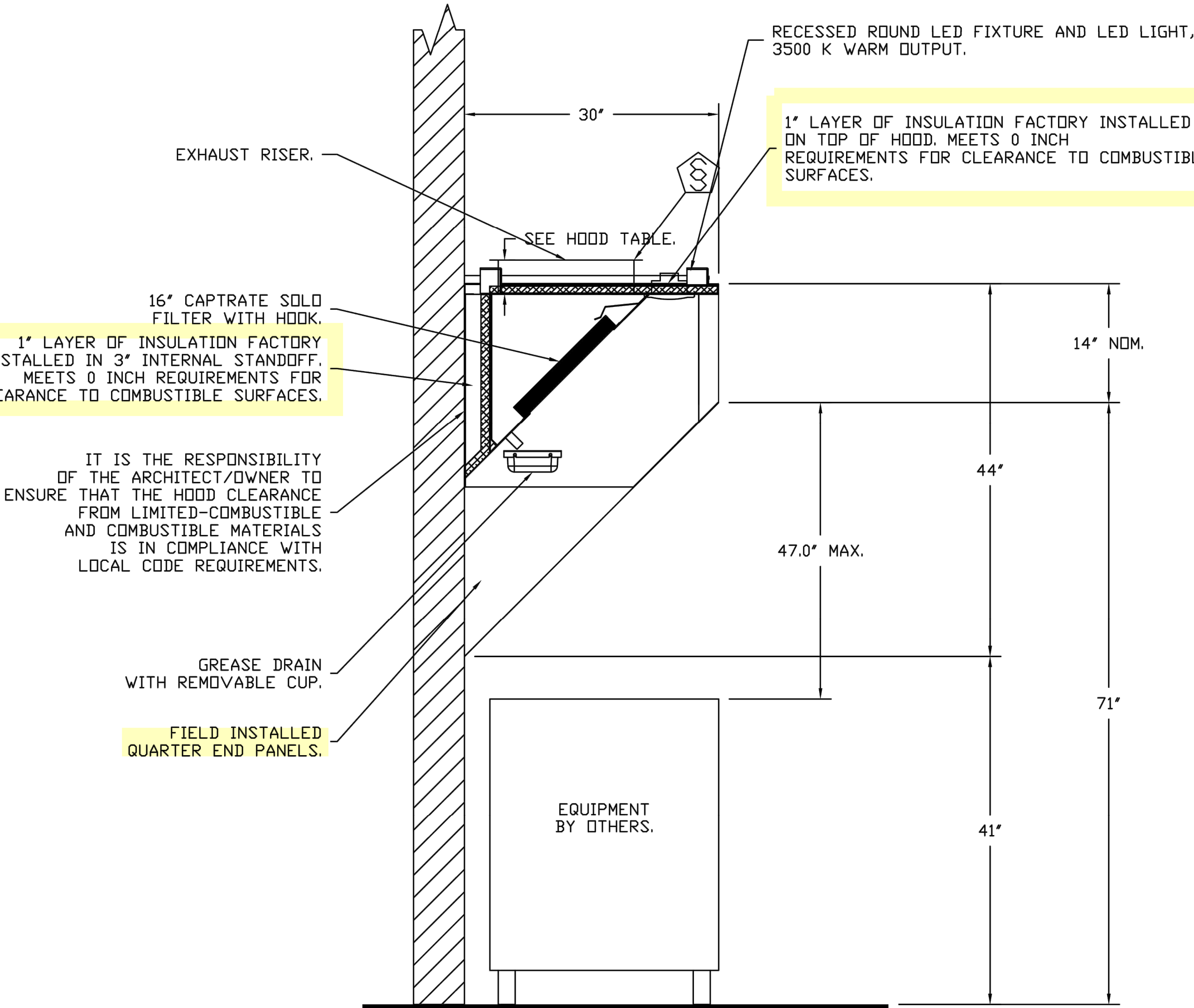
STEEL HANGING WIRE
MINIMUM 2 PLACES, DIAGONAL CORNERS
(BY OTHERS)

VERTICAL THROW DATA (Ft)			
CFM	T150	T100	T50
600	1.25'	3.00'	7.75'
500	0.50'	2.50'	6.25'
400	---	1.25'	4.50'
300	---	---	3.75'
200	---	---	0.50'

INSTALLATION NOTES:
INTENDED FOR INSTALLATION IN LAY IN (DROP) CEILINGS
INSTALL SLIDING RADIAL DAMPER ON TOP SIDE OF COLLAR



SECTION VIEW - MODEL 206MISC-PSP
HOOD - #2



SECTION VIEW - MODEL 3044BD-2
HOOD - #1

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

EXHAUST FAN INFORMATION – JOB#6479484

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	EF	1	DU180HFA	CAPTIVEAIRE	2400	1.250	1103	TEFC,PREMIUM	1.500	1.0430	3	208	6.5	554 FPM	185	12.2

MUA FAN INFORMATION – JOB#6479484

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	EVAP FLOW RATE (Gal/Hr)	EVAP COOLER ENTERING DB TEMP	EVAP COOLER ENTERING WB TEMP	EVAP COOLER LEAVING DB TEMP	EVAP COOLER LEAVING WB TEMP	WEIGHT (LBS)	SONES
2	MAU	1	A1-D.250-18Z	18Z-1-MDD	A1-D.250	1000	2160	0.500	1898	DDP-ECM	1.675	1.5070	1	208	9.6	13.2A	20A	3.59	90.0°F	63.0°F	70.0°F	63.0°F	697	17.3

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
2	MAU	125220	115202	50°F	7 IN. W.C. – 14 IN. W.C.	NATURAL	92

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	EF	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL – INSTALLED AT PLANT – FOR GREASE DUCTS
2	MAU	1	2 YEAR PARTS WARRANTY
		1	SIZE 1 TEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS
		1	INLET PRESSURE GAUGE, 0–35"
		1	MANIFOLD PRESSURE GAUGE, –5 TO 15" WC
		1	SHIP LOOSE GAS STRAINER 3/4"
		1	MOTORIZED BACKDRAFT DAMPER FOR A1-D HOUSING – MEETS AMCA CLASS 1A RATING
		1	IBT/MUA EVAP INTERLOCK
		1	ECM WIRING PACKAGE-SUPPLY – PWM SIGNAL FROM ECPMD3 PREWIRE (1 – PHASE ZIEHL MOTOR)
		1	2 YEAR PARTS WARRANTY

FAN ACCESSORIES

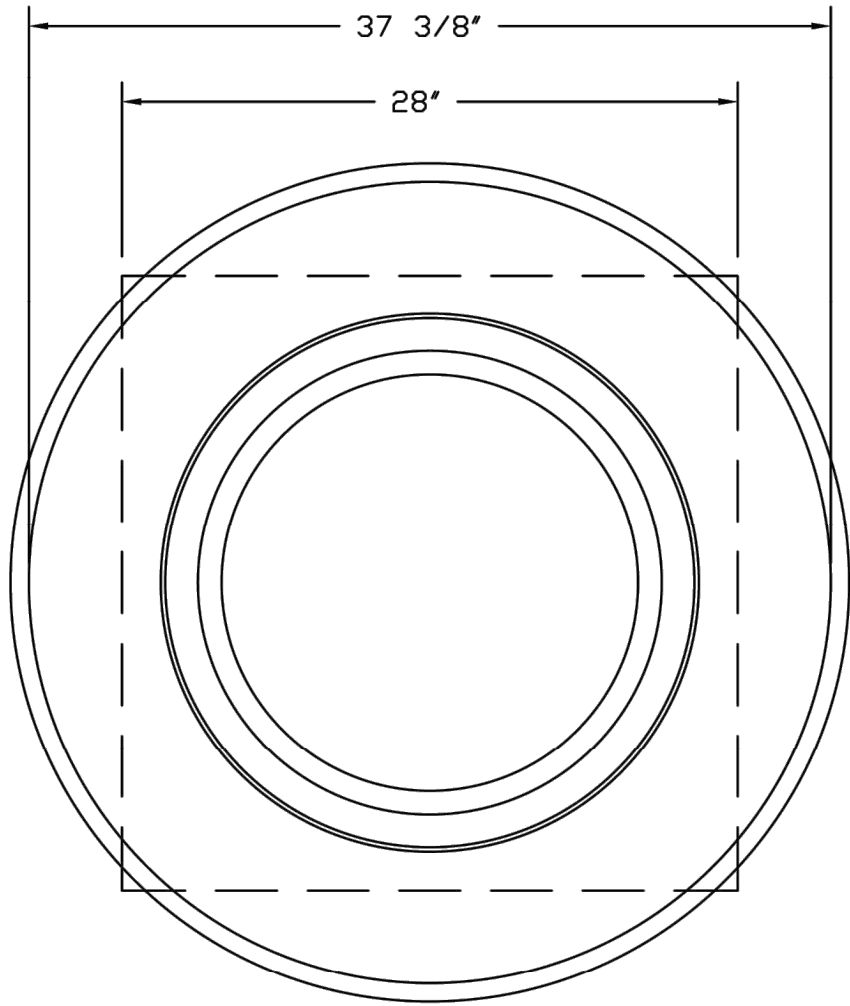
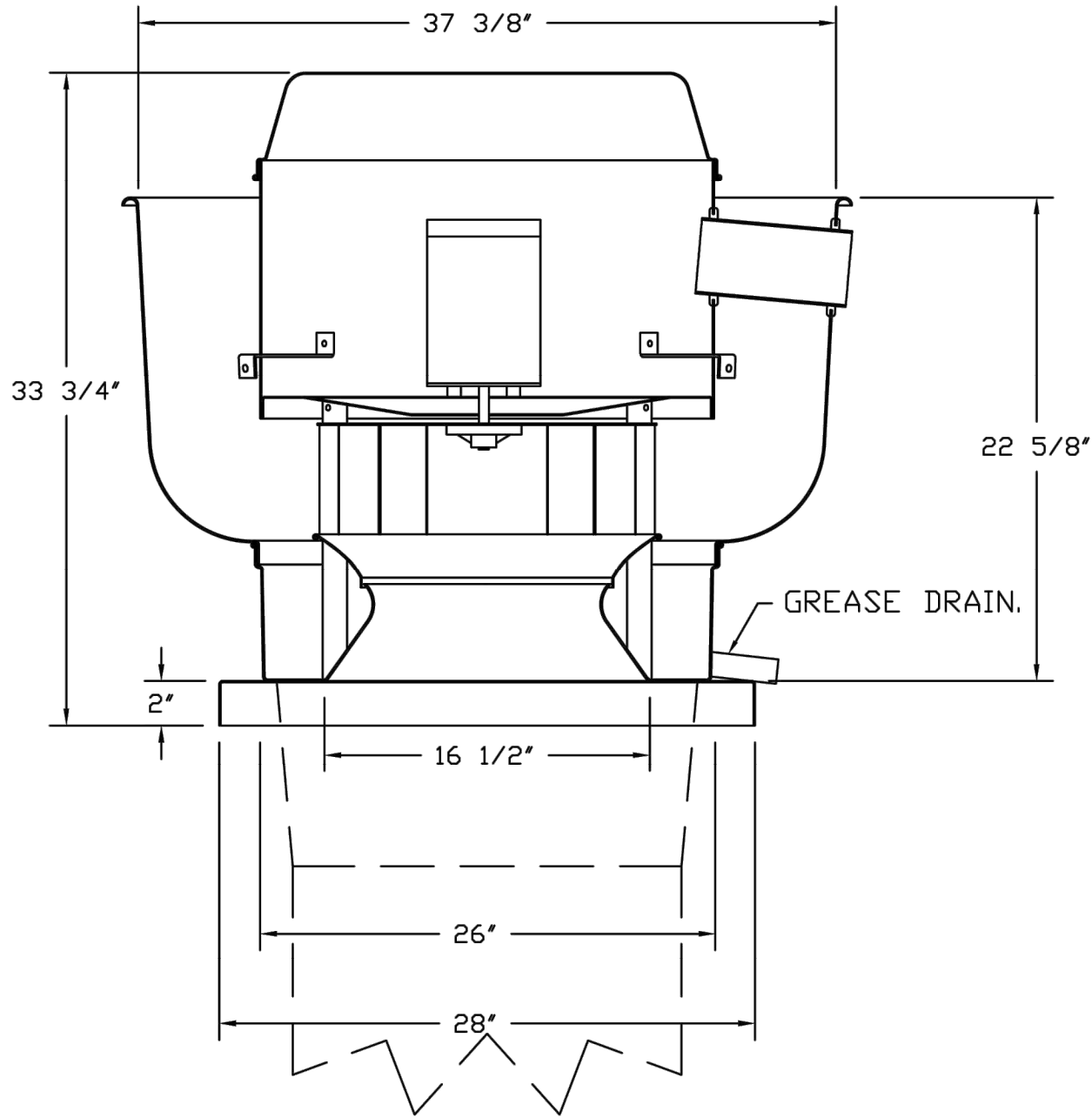
FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	EF	YES						
2	MAU						YES	

CURB ASSEMBLIES

NO	QN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	EF	52 LBS	CURB	26.500"W X 26.500"L X 24.000"H VENTED HINGED.
2	# 2		84 LBS	CURB	21.000"W X 71.000"L X 24.000"H INSULATED.
	# 2			RAIL	4.000"W X 4.000"L X 36.000"H.

HMI SCHEDULE					
UNIT NUMBER	HMI #		HMI LOCATION	TEMP AVERAGING	MODBUS ADDRESS
FAN #2	HMI #1 – UNIT	HMI # 1	MOUNTED IN UNIT	NOT AVERAGED	55

FAN #1 DU180HFA – EXHAUST FAN (EF)



TOP VIEW

FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST

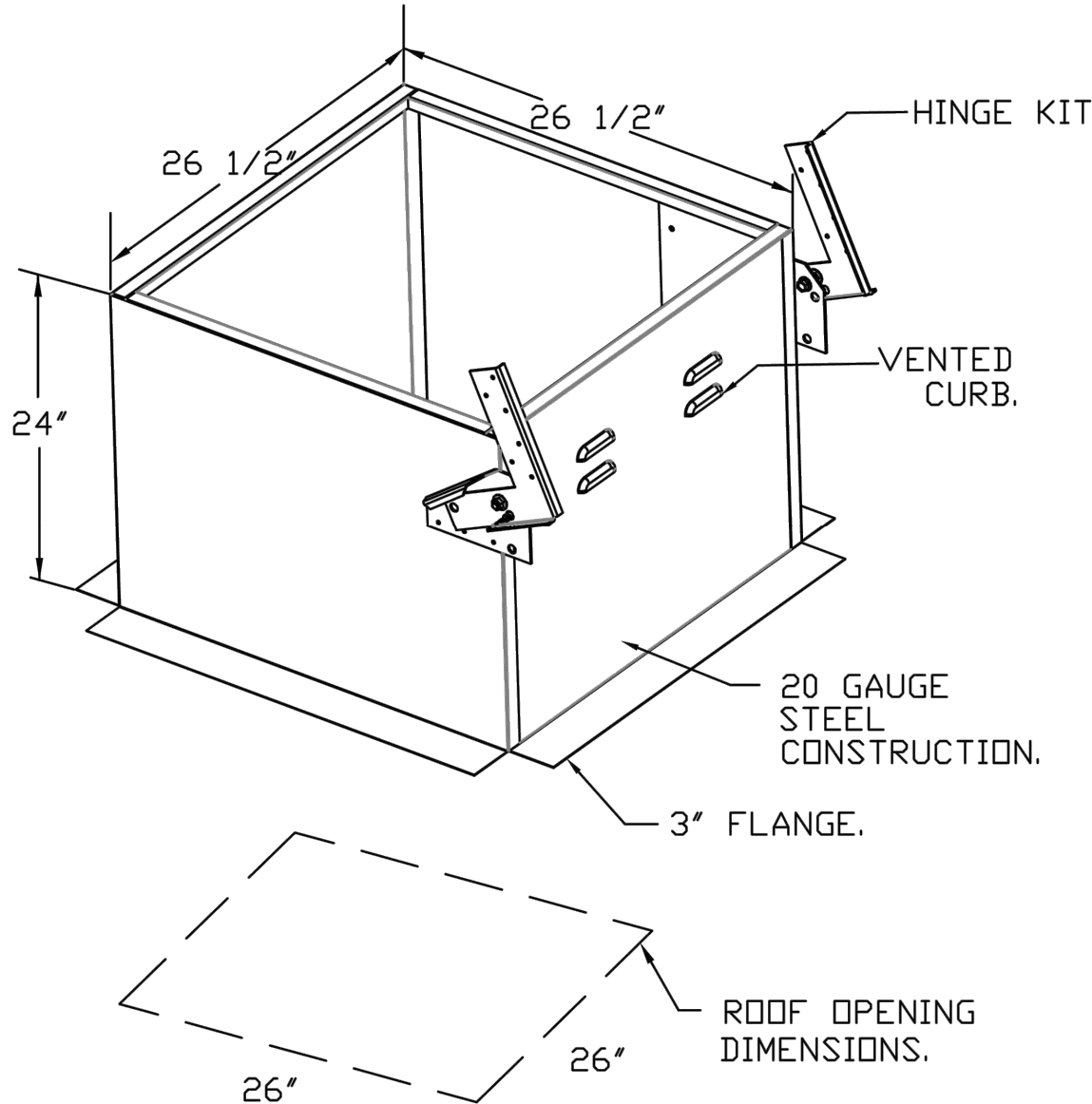
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST

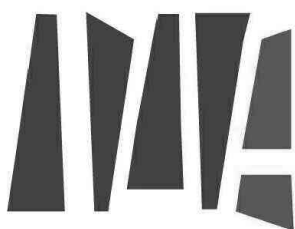
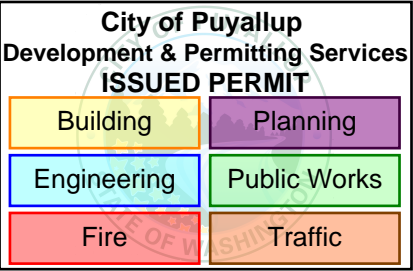
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

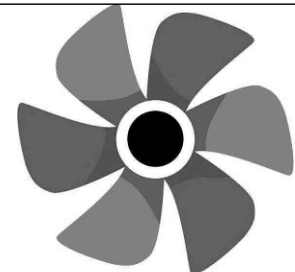
- GREASE BOX.
- FAN BASE CERAMIC SEAL – INSTALLED AT PLANT – FOR GREASE DUCTS.
- 2 YEAR PARTS WARRANTY.



PRCTI20242007



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PROJECT

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REVISIONS

Description

INFO

Date

Rev#

24041

DON'S

DRIVE-IN RVT

12/13/2024 9:00:33 AM

SHEET NAME

HOOD DETAILS

PERMIT SET

SHEET NO.

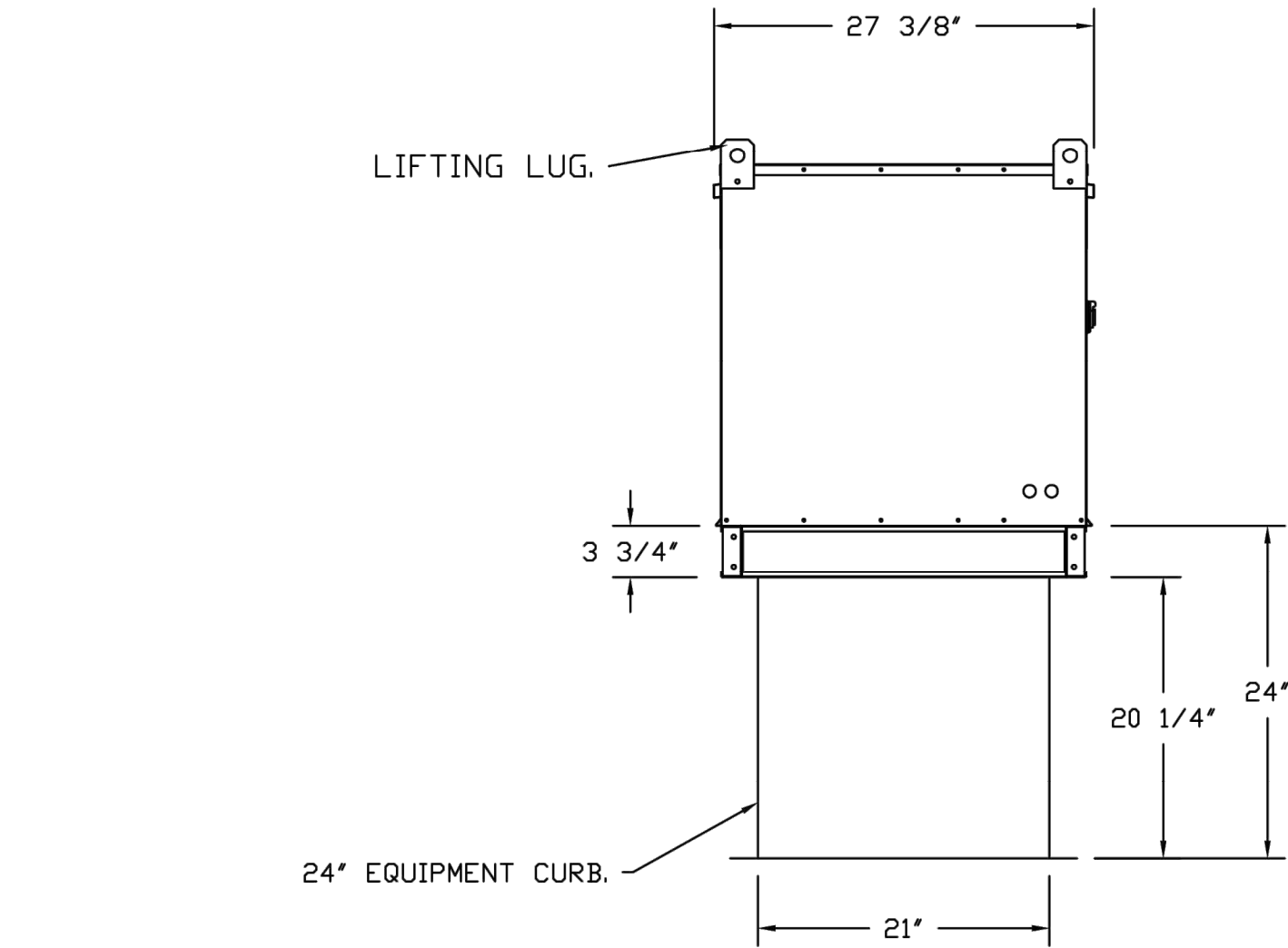
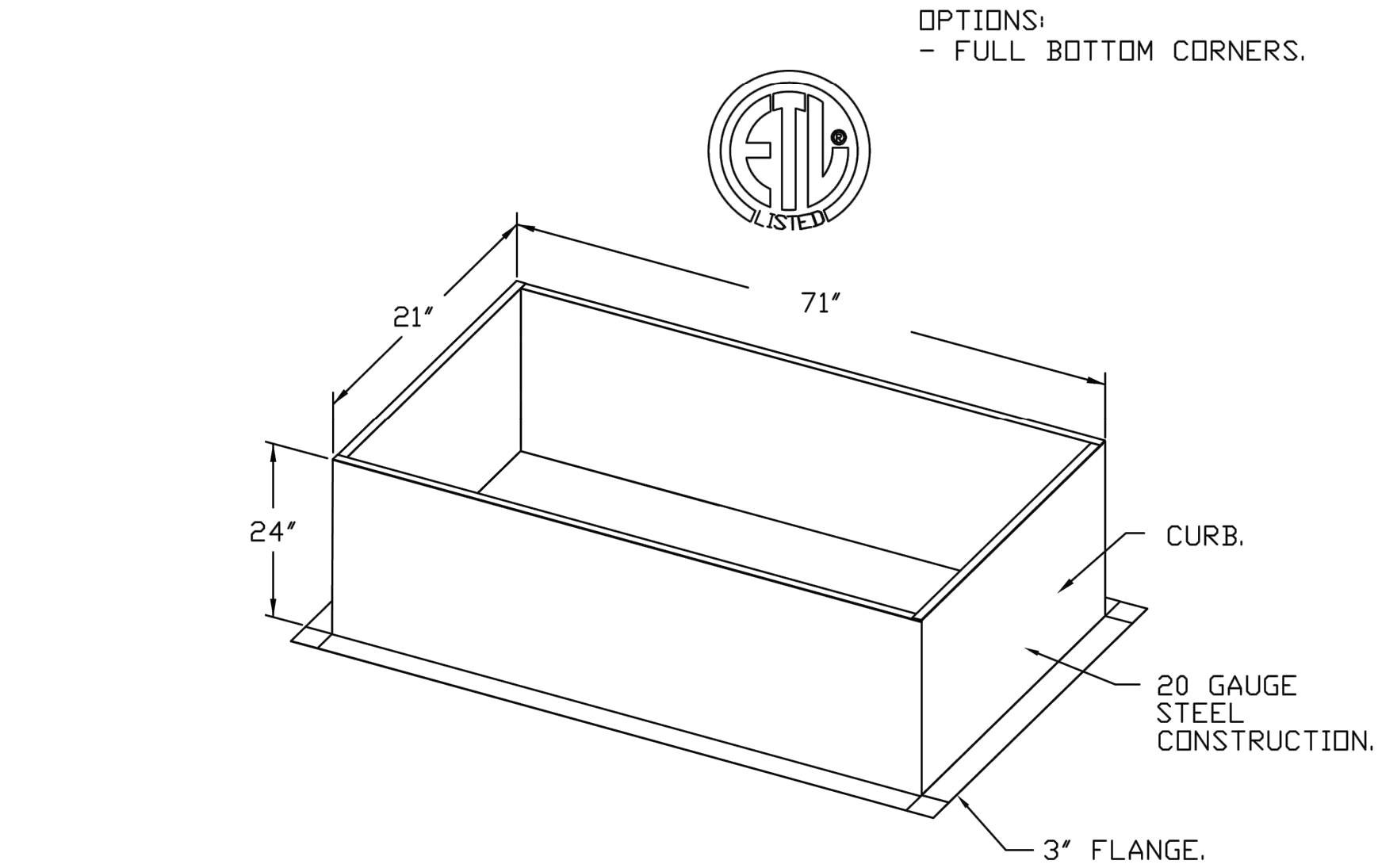
M2.4

- FAN #2 A1-D250-18Z - HEATER (MAU)
1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 18" DIRECT DRIVE FAN.
 2. EVAP COOLER (LPD CELDEK) - W/INTAKE HOOD W/EZ FILTERS.
 3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.
 4. DOWN DISCHARGE CONSTRUCTION FOR SIZE 1 DIRECT DRIVE AHUS.
 5. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
 6. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC., 2.5" DIAMETER, 1/4" THREAD SIZE.
 7. SHIP LOOSE GAS STRAINER, TO BE INSTALLED UPSTREAM OF UNIT CONNECTION. 3/4" CONNECTION.
 8. MOTORIZED BACK DRAFT DAMPER 16" X 18" FOR SIZE 1 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, TFB120S ACTUATOR INCLUDED.
 9. LAYER CONTROL FOR IBT EVAP.
 10. ECM WIRING PACKAGE FOR SINGLE PHASE ZIEHL SUPPLY MOTORS WITH PWM SIGNAL FROM ECPM03 PREWIRE.
 11. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER/EVAP SECTION).
 12. 2 YEAR PARTS WARRANTY.

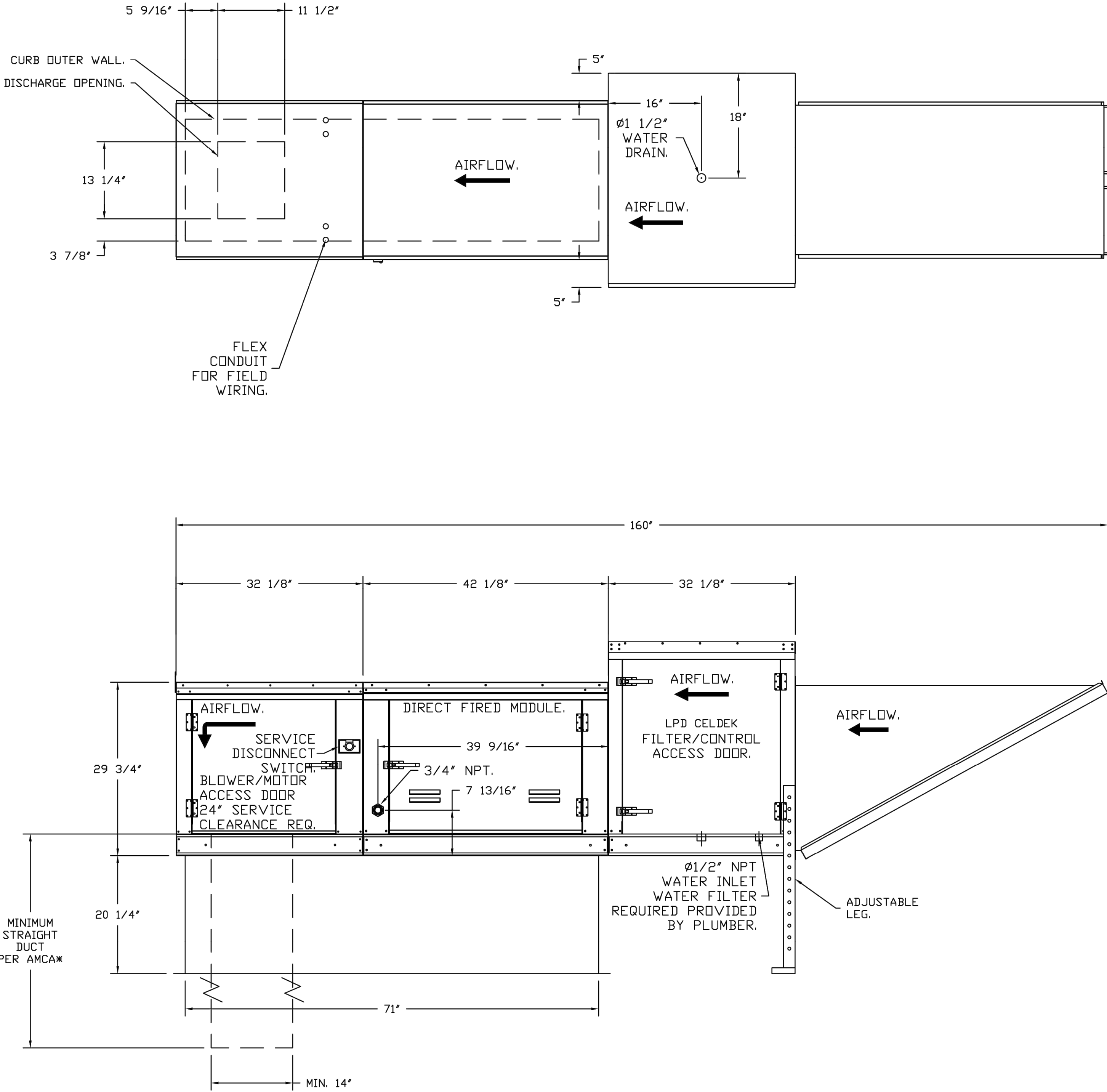
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 14" x 14".

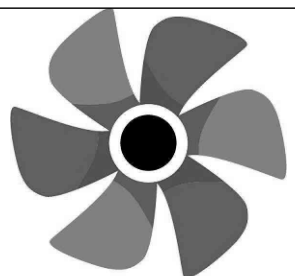
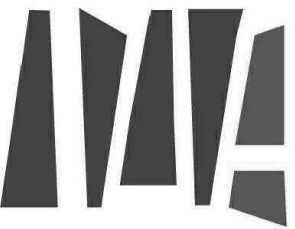
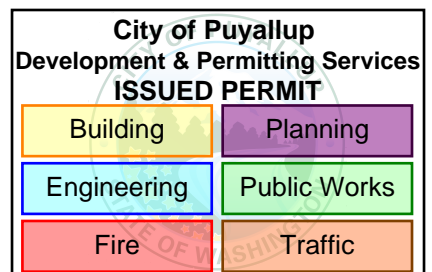
SUPPLY SIDE HEATER INFORMATION:

WINTER TEMPERATURE = 25°F. TEMP. RISE = 50°F.
BTUs CALCULATED OFF ACTUAL AIR DENSITY.
OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 115381.
INPUT BTUs AT ALTITUDE OF 0.0 FT. = 125414.
OUTPUT BTUs AT ALTITUDE OF 43 FT. = 115202.
INPUT BTUs AT ALTITUDE OF 43 FT. = 125219.



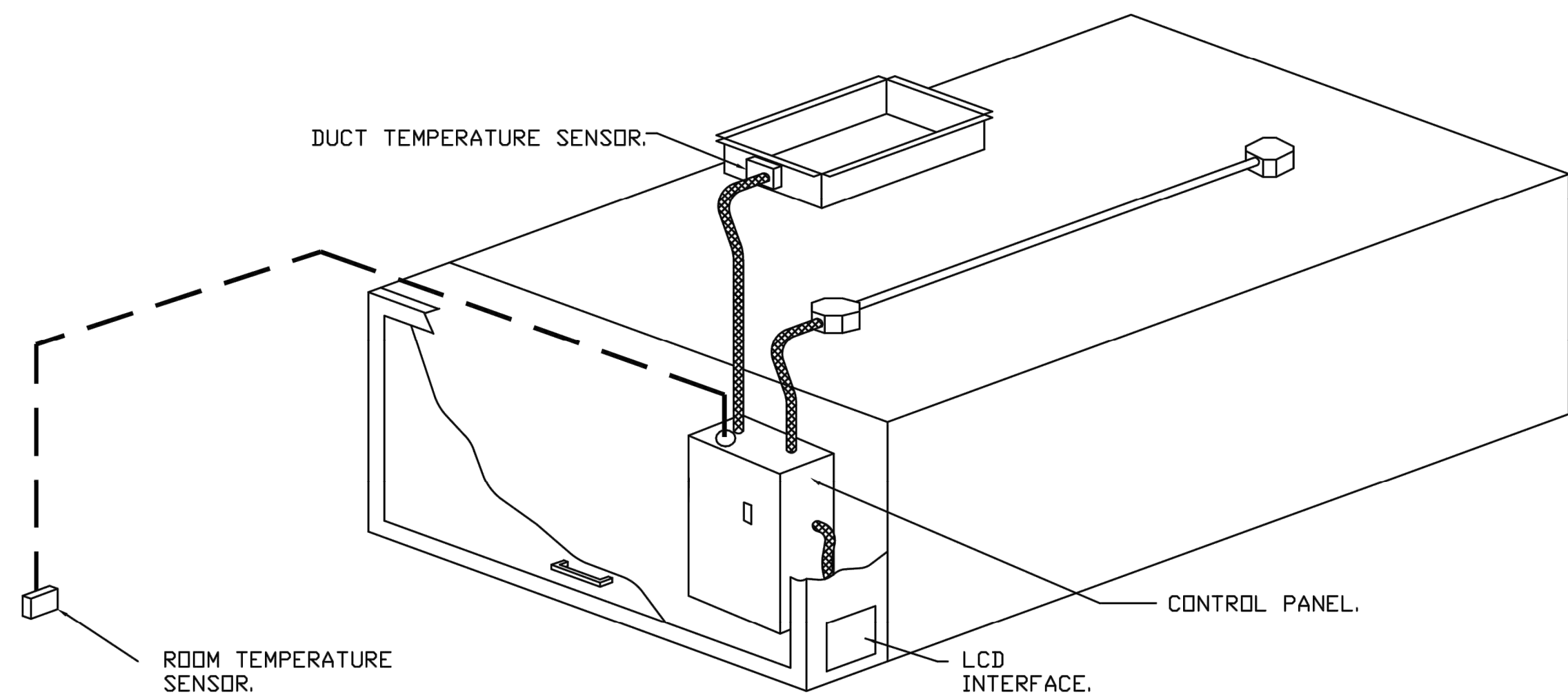
ROOF OPENING 2" SMALLER THAN CURB DIMENSION.





DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDS) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDS BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
 - A. ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
 - B. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED).
 - C. VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
 - D. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
 - E. MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
 - F. A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION.
 - G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDS.



TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATIONS:

THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME:

- **AUTOMATIC:** THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS "DYNAMIC", THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS "STATIC", FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- **MANUAL:** THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
- **SCHEDULE:** A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
- **OTHER:** THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).
- **FIRE:** UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO RUN, THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.

SHEET NO.	SHEET NAME	INFO		REVISIONS	PROJECT
	HOOD DETAILS	Sheet Date: 24041 Project Number: DON'S File Name: DRIVE-IN.RVT	Rev# 12/13/24	Date Description	
M2.7	PERMIT SET	12/13/2024_ 9:00:33 AM			GINA BURKHAMMER DON'S DRIVE-IN 925 S MERIDIAN PUYALLUP, WA 98371
		Print Date:			

3M™ Fire Barrier Silicone Sealant 2000+ Product Data Sheet

1. Product Description 3M™ Fire Barrier Silicone Sealant 2000+ is a ready-to-use, gun-grade, one-component silicone elastomer that cures upon exposure to atmospheric humidity to form a flexible firestop seal. 3M™ Fire Barrier Silicone Sealant 2000+ helps control the spread of fire, smoke and noxious gasses before, during and after exposure to a fire when installed in accordance with a listed through penetration or fire-resistive joint assembly.

3M™ Fire Barrier Silicone Sealant 2000+ firestops dynamic construction joints, blank openings and penetrations passing through fire-rated floor, floor/ceiling or wall assemblies and other fire-rated interior building construction. The sealant remains elastomeric, bonds to most common construction materials and exhibits excellent weatherability during construction. No mixing is required.



Compression/extension capabilities for dynamic joint applications

Available in: ■ Light Gray

Product Features

- Firestop tested up to 4 hours in accordance with ASTM E 814 (UL 1479) & CAN/ULC S115
- Fire Resistance tested for construction joint systems in accordance with ASTM E 1966 (UL 2079)
- Class 25 sealant, per ASTM C 920
- Compression/extension capability of ± 13%
- Applied with conventional caulking equipment — excellent caulk rate
- Excellent weatherability upon cure
- Excellent adhesion
- Re-enterable/repairable

Meets the intent of LEED® VOC environmental quality requirements — helps reduce the quantity of indoor air contaminants that may be odorous, irritating and harmful to the comfort and well-being of the installers and occupants. Minimizes noise transfer — STC-Rating of 56 when tested in STC 56-rated wall assembly.

2. Applications

3M™ Fire Barrier Silicone Sealant 2000+ is a flexible firestop ideal for sealing dynamic joints in fire-rated construction. In addition, 3M™ Fire Barrier Silicone Sealant 2000+ is used in mechanical, electrical and plumbing applications to firestop openings and penetrations through fire-rated floor or wall assemblies. Typical penetrants include: metallic pipe, conduit, power and communication cable and telephone or electrical wiring. 3M™ Fire Barrier Silicone Sealant 2000+ is also used to firestop blank openings and static construction joints.

3. Specifications

3M™ Fire Barrier Silicone Sealant 2000+ shall be a one-component, ready-to-use, gun-grade silicone elastomer. The sealant shall be listed by independent test agencies such as Intertek or UL. 3M™ Fire Barrier Sealant 2000+ shall be tested to and pass the criteria of ASTM E 814 (UL 1479) Standard Test Method for Fire Tests of Penetration Firestop Systems, ASTM E 1966 (UL 2079) Standard Test Method for Fire Resistive Joint Systems and CAN/ULC S115 Standard Method of Fire Tests of Firestop Systems. 3M™ Fire Barrier Sealant 2000+ shall meet the requirements of the IBC, IRC, IFC, IPC, IMC, NFPA 5000, NEC (NFPA 70) and NFPA 101.

Typically Specified Divisions
Division 7

Section 07 84 00 – Firestopping

Related Sections

- Section 07 84 16 — Annular Space Protection
- Section 07 84 43 — Fire-Resistant Joint Sealants
- Section 07 86 00 — Smoke Seals
- Section 07 87 00 — Smoke Containment Barriers
- Section 07 92 13 — Elastomeric Joint Sealants
- Section 07 92 19 — Acoustical Joint Sealants
- Section 07 27 00 — Thermal and Moisture Protection Firestopping
- Section 21 00 00 — Air Barriers
- Section 22 00 00 — Plumbing
- Section 26 00 00 — Electrical



For technical support relating to 3M™ Fire Protection Products and Systems, call: 1-800-328-1687
For more information on 3M™ Fire Protection Products, visit: www.3M.com/firestop

4. Performance & Typical Physical Properties

Colors Available:	Light Gray	Extension/compression capability:	± 13%
Application Temperature Range:	-20° to 122°F (-29° to 50°C)	Hardness (ASTM D 2240 Shore A):	40
Service Temperature Range:	-40° to 302°F (-40° to 150°C)	Tensile Strength:	350 psi (0.59 MPa)
STC (ASTM E 90 and ASTM E 413):	56 when tested in STC 56 rated wall assembly	VOC Less H₂O and Exempt Solvents	<32 g/L
Surface Burning (ASTM E 84):	Flame Spread 0, Smoke Development 0	Elongation at Break (ASTM D 412):	500%

Volume: 10.3 fl. oz tube (304.8cc, 18.6 in.), 4.5 gal. pail (17,034.4cc, 1,039.5 in.)

Cure: Under typical cure rate conditions of 75°F (23°C) and 50% R.H., sealant becomes tack-free in about 90 minutes. Full cure depends upon ambient conditions and volume of sealant. Typical cure rate is approximately 1/8 inch (3.18mm) per day.

5. Packaging, Storage, Shelf Life

- Packaging:** Product packaged in cartridge or pail is enclosed in HDPE plastic containers.
- Storage:** 3M™ Fire Barrier Silicone Sealant 2000+ should be stored indoors in dry conditions between 40°F and 90°F (4°C and 32°C). Avoid repeated freeze / thaw exposures of the 3M™ Fire Barrier Silicone Sealant 2000+ while still in the packaging.
- Shelf Life:** Shelf life of 18 months from date of packaging when stored below 90°F (32°C) in original, unopened containers.

6. Installation Techniques

Consult a 3M Authorized Fire Protection Products Distributor / Dealer or Sales Representative for Applicable UL, Intertek or other third-party drawings and system details.

- Preparatory Work:** The surface of the opening and any penetrating items should be cleaned to allow for the proper adhesion of the 3M™ Fire Barrier Silicone Sealant 2000+. Do not use alcohol to clean surfaces (recommended cleaning solvents are mineral spirits, xylene, toluene or methyl ethyl ketone (MEK). Ensure that the surface of the substrates are not wet and are frost free. Sealant can be installed with a standard caulking gun, pneumatic pumping equipment or it can be easily applied with a putty knife or trowel.
- Installation Details:** Install the applicable depth of backing material, if required, as detailed within the applicable UL, Intertek or other third-party listed system. Cut the end of the tube spout to achieve the desired bead width when applying. Install the applicable depth of 3M™ Fire Barrier Silicone Sealant 2000+ into the opening flush with the surface of the substrate, or as detailed within the applicable listed system, at the depth for the assembly and rating that is required. Tool within 5 minutes. Clean all tools immediately after use with mineral spirits, xylene, toluene or methyl ethyl ketone (MEK).
- Limitations:** Do not apply 3M™ Fire Barrier Silicone Sealant 2000+ under the following conditions: when surrounding temperature is greater than 122°F (50°C), when surfaces are wet or frost-coated, in unvented spaces where sealant is not exposed to atmospheric moisture, in areas where abrasion or physical abuse of the sealant are likely and/or where painting of sealant is required (Note: once applied, sealant may be exposed to intermittent water — exhibits excellent weatherability when fully cured). Do not apply 3M™ Fire Barrier Silicone Sealant 2000+ to polycarbonates or to building materials that bleed oil, plasticizers or solvent (e.g. impregnated wood, oil-based sealants, or green or partially vulcanized rubber).
- Note:** In confined cure conditions, there may be discoloration of brass, copper or other sensitive metals.

7. Maintenance

No maintenance is expected when installed in accordance with the applicable third-party listed system. Once installed, if any section of the 3M™ Fire Barrier Silicone Sealant 2000+ is damaged, the following procedure will apply: remove and reinstall the damaged section in accordance with the applicable listed system, with a minimum 1/2 in. (12.7mm) overlap onto the adjacent material.

8. Availability

3M™ Fire Barrier Silicone Sealant 2000+ is available from 3M Authorized Fire Protection Products Distributors and Dealers in the following sizes: 10.3 fl. oz. cartridges (12/case) and 4.5 gallon pails (1/case). For additional technical and purchasing information regarding this and other 3M Fire Protection Products, please call: 1-800-328-1687 or visit www.3M.com/firestop.

9. Safe Handling Information

Consult product Material Safety Data Sheet (MSDS) prior to handling and disposal.



Building and Commercial Services Division

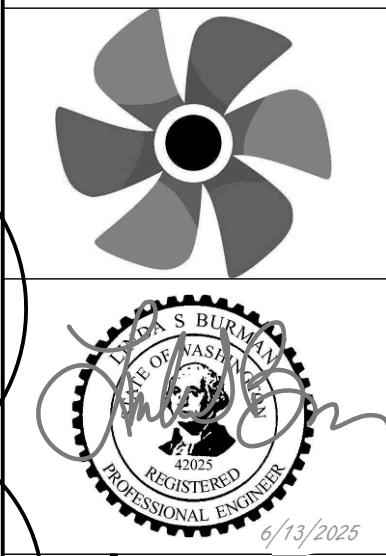
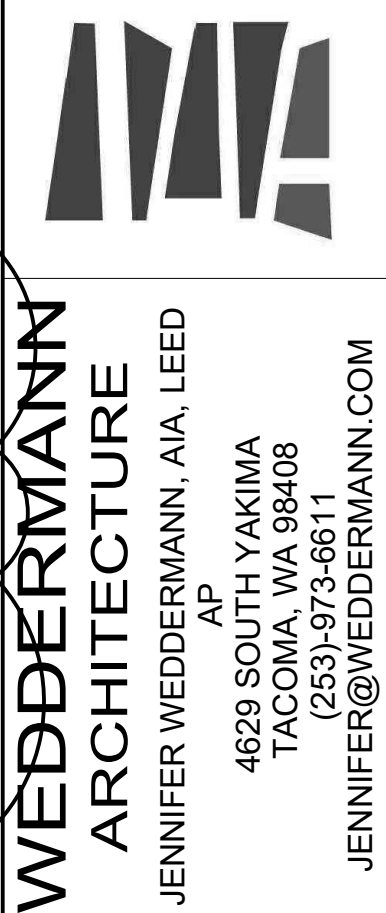
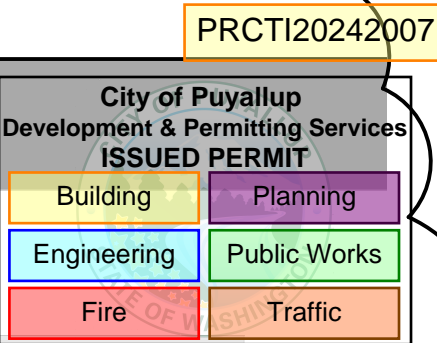
3M Center, Building 223-2N-21
St. Paul, MN 55144-1000 USA
1-800-328-1687
www.3M.com/firestop

Important Notice to User:

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PROJECT
GINA BURKHAMMER
DON'S DRIVE-IN
925 S MERIDIAN
PUYALLUP, WA 98371

REVISIONS
Description
Date
6/13/2025
PERMIT COMMENTS

INFO
12/13/24 Rev#
24041
DON'S
DRIVE-IN RVT
12/13/2024 9:00:33 AM

SHEET NAME
HOOD DETAILS
PERMIT SET

SHEET NO.
M2.8

DON'S DRIVE IN

SCOPE OF WORK

SCOPE OF WORK INCLUDES UPDATING PLUMBING FOR KITCHEN WAREWASH AREA AND MAINTAIN EXISTING PLUMBING FOR RESTROOMS. CONTRACTOR HAS THE OPTION TO REUSE EXISTING PLUMBING SYSTEMS PROVIDED THEY ARE IN GOOD CONDITION AND CODE COMPLIANT.

GENERAL NOTES

- COORDINATE MECHANICAL WORK WITH THAT OF OTHER TRADES. REFER TO CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, STRUCTURAL, FIRE PROTECTION, FIRE ALARM, SECURITY, CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.
- MAINTAIN CODE REQUIRED AND MANUFACTURERS' MINIMUM MAINTENANCE CLEARANCES AND AS NOTED ON THE DRAWINGS. SYSTEMS INSTALLED FOUND TO BE IN CONFLICT WITH THIS REQUIREMENT WILL BE MOVED AT CONTRACTOR'S EXPENSE TO ENSURE COMPLIANCE.
- ACCESS CLEARANCES FOR MAINTENANCE AND REPLACEMENT: VERIFY PHYSICAL DIMENSIONS OF EQUIPMENT TO ENSURE THAT ACCESS CLEARANCES CAN BE MET. COORDINATE LOCATIONS OF MECHANICAL WORK AND WORK OF OTHER TRADES TO PROVIDE ACCESS CLEARANCES FOR SERVICE AND MAINTENANCE.

COMMISSIONING NOTES

- THIS PROJECT SHALL BE COMMISSIONED PER THE AHJ. CONTRACTOR SHALL INCLUDE IN HIS BID THE COST FOR COMMISSIONING EACH SYSTEM DEMONSTRATING COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- PREPARE A PRELIMINARY SCHEDULE AND COMMISSIONING PLAN INCLUDING FLUSH OUT, CLEANING, EQUIPMENT START-UP, TEST AND BALANCE FOR VERIFICATION BY ARCHITECT AND ENGINEER.
- THE BUILDING AND ITS ENERGY SYSTEMS HAVE BEEN DESIGN TO COMPLY WITH ENERGY CODE ENFORCED BY THE LOCAL AHJ. CONTRACTOR IS RESPONSIBLE FOR CORRECT INSTALLATION OF ENERGY CONSERVATION MEASURES.

PLUMBING NOTES

- INVERT ELEVATIONS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE AND CONFIRM LOCATIONS PRIOR TO STARTING WORK.
- SEE TYPICAL PLUMBING DETAILS ON SHEET P3.0.
- SLOPE WASTE PIPING AT 1/4" PER FOOT UNLESS OTHERWISE NOTED.
- SEE ARCHITECTURAL DRAWINGS INCLUDING INTERIOR ELEVATIONS FOR PLUMBING FIXTURE LOCATIONS AND REQUIRED MOUNTING HEIGHTS. THIS INCLUDES FLOOR DRAINS, ROOF DRAINS AND OWNER FURNISHED ITEMS.
- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING CONSTRUCTION INCLUDING FLOOR SYSTEMS AND SLAB CONDITIONS.
- FOR PIPE SIZES TO INDIVIDUAL FIXTURES SEE PLUMBING FIXTURE SCHEDULE.
- PROVIDE CLEANOUTS BELOW EACH SINK.
- PROVIDE ACCESS PANEL AT ISOLATION VALVES WHERE LOCATED ABOVE HARD LID CEILINGS OR IN WALLS. SHUT OFF VALVE LOCATIONS ARE SHOWN DIAGRAMMATICALLY AND NEED TO BE COORDINATED SO THEY ARE INSTALLED IN ACCESSIBLE LOCATIONS.
- PROVIDE ACCESS PANEL FOR WATER HAMMER ARRESTORS AND TRAP PRIMER PANELS.
- FLOOR DRAINS, FLOOR SINKS AND TRAPS SHALL BE SERVED FROM THE NEAREST ELECTRONIC TRAP PRIMER.
- ROUTE MAIN HOT WATER LINES SHOWN DOWN IN WALLS TO WITHIN 24" OF LAVATORIES OR HAND WASHING SINKS.
- PIPING INSTALLED ON EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR, "WARM" SIDE OF THE INSULATION SYSTEM.
- PROVIDE VENTED GAS REGULATOR, ISOLATION VALVE, AND DIRT LEG AT EACH EQUIPMENT CONNECTION FOR GAS EQUIPMENT.

ENERGY CODE NOTES

- MOTORS SHALL COMPLY WITH MINIMUM FULL LOAD EFFICIENCIES LISTED IN THE ENERGY CODE ENFORCED BY THE AHJ.
- INSULATION SHALL COMPLY WITH THICKNESS AND TYPES LISTED IN THE ENERGY CODE ENFORCED BY THE AHJ UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED.
- SEAL DUCT TRANSVERSE JOINTS AND LONGITUDINAL SEAMS.
- SUBMIT RECORD DRAWINGS TO THE BUILDING OWNER UPON PROJECT COMPLETION.
- SUBMIT OPERATION AND MAINTENANCE MANUALS TO BUILDING OWNER UPON PROJECT COMPLETION.
- BALANCE HVAC SYSTEMS AND SUBMIT WRITTEN REPORT TO THE BUILDING OWNER, REFER TO SPECIFICATIONS FOR TAB REQUIREMENTS.
- THIS BUILDING AND ITS ENERGY SYSTEMS HAVE BEEN DESIGNED TO COMPLY WITH THE ENERGY CODE ENFORCED BY THE LOCAL AHJ.
- PERFORM COMMISSIONING OF MECHANICAL SYSTEMS TO ENSURE INSTALLATION COMPLIES WITH DESIGN INTENT AND ENERGY CODE ENFORCED BY AHJ.

PIPING NOTES

- PROVIDE UNIONS OR FLANGES AT PIPING CONNECTIONS TO EQUIPMENT, COILS, TRAPS, CONTROL VALVES, AND OTHER COMPONENTS TO ALLOW DISASSEMBLY FOR MAINTENANCE.
- PROVIDE AN INSULATED COPPER TRACER WIRE OR OTHER APPROVED CONDUCTOR ADJACENT TO UNDERGROUND NONMETALLIC (PLASTIC) PIPING. ACCESS SHALL BE PROVIDED TO THE TRACER WIRE OR THE TRACER WIRE SHALL TERMINATE ABOVE GROUND AT EACH END OF THE PIPING. THE TRACER WIRE SHALL NOT BE LESS THAN NO. 18 AWG AND THE INSULATION TYPE SHALL BE SUITABLE FOR BURIAL.
- PROVIDE 12" LONG, 1/2" WIDE FLUORESCENT ORANGE TAPE AT CONCEALED VALVE LOCATIONS.

NON-STRUCTURAL MECHANICAL COMPONENT NOTES

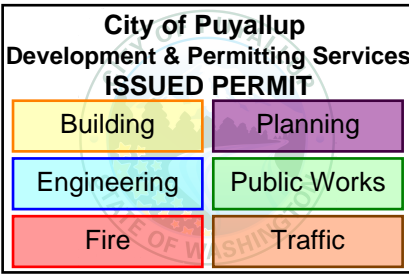
- ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND NON-STRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS.
- DESIGN AND SPECIFY HANGERS AND SEISMIC BRACING. SHALL COORDINATE THE SUPPORT SYSTEMS AND DESIGN LOADS FOR HUNG PIPING AND OTHER MECHANICAL SYSTEMS (INCLUDING COMBINED MULTIPLE PIPE RUNS) WITH THE GENERAL CONTRACTOR AND THE STEEL AND WOOD JOIST MANUFACTURERS IN ADDITION TO OTHER TRADES THAT MAY BE IMPACTED.

STERILIZATION AND FLUSHING OF WATER PIPING

- AFTER COMPLETION OF WATER PIPING INSTALLATION, BUT PRIOR TO CONNECTION TO EXISTING MAINS, FLUSH SYSTEM WITH CLEAN WATER. TAKE SAMPLE OF WATER FROM SYSTEM TO DETERMINE COMPLIANCE WITH HEALTH DEPARTMENT STANDARDS. OBTAIN NECESSARY TESTS FROM GOVERNING HEALTH DEPARTMENT. IF SAMPLE IS NOT IN COMPLIANCE, PERFORM STERILIZATION.
- STERILIZE FOR 8 HOUR CONTACT TIME WITH 50 PARTS PER MILLION CHLORINE CONCENTRATION. OPEN VALVES SEVERAL TIMES. FOLLOW BY FLUSHING WITH CLEAN WATER UNTIL RESIDUAL CHLORINE IS LESS THAN 0.2 PARTS PER MILLION.
- AFTER FLUSHING AND STERILIZATION ARE COMPLETE, CONDUCT TESTS TO DETERMINE COMPLIANCE WITH HEALTH DEPARTMENT STANDARDS FOR STERILIZATION RESULTS. IF PIPE SYSTEM IS FOUND TO BE CONTAMINATED, CORRECT DEFECTS AND PERFORM ADDITIONAL FLUSHING AND STERILIZATION UNTIL SATISFACTORY RESULTS ARE OBTAINED.
- SUBMIT WRITTEN CERTIFICATION OF FLUSHING AND STERILIZATION BY LOCAL AHJ.

ABBREVIATIONS

Ø	DIAMETER, PHASE	EXH EXT	EXHAUST EXTERIOR, EXTERNAL	GAGE
A	AIR, AMPS	F	FAHRENHEIT, FIRE MAIN PIPING	QTY
AAV	AUTOMATIC AIR VENT	FCO	FLOOR CLEANOUT	R
ABV	ABOVE	FCU	FAN COIL UNIT	RA
AC	AIR CONDITIONER	FD	FIRE DAMPER, FLOOR DRAIN,	RD
ACU	AIR CONDITIONING UNIT	FDC	DRY SPRINKLER ROUTING	REG
AD	ACCESS DOOR	FLA	FIRE DEPARTMENT CONNECTION	REF
ADA	AMERICANS WITH DISABILITIES ACT	FLX	FULL LOAD AMPS	RG
AF	AIRFOIL	FLR	FLOOR	RI&C
AFF	ABOVE FINISHED FLOOR	FPM	FEET PER MINUTE	RL
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	FPS	FEET PER SECOND	RLA
AG	ABOVE GROUND	FS	FLOOR SINK	RPBP
AHJ	AUTHORITY HAVING JURISDICTION	F/S	FIRE/SMOKE DAMPER	RPM
AHU	AIR HANDLING UNIT	FT	FEET, FIN TUBE	RTU
AL	ACOUSTIC LINED (DUCT)	FV	FACE VELOCITY	S
AP	ACCESS PANEL	FW	FILTERED WATER PIPING	SA
ARCH	ARCHITECT	G	GAS	SCFM
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS, INC.	GAL	GAGE	SCH
		GALV	GALLONS	SENS
		GPF	GALLONS PER FLUSH	SF
		GPH	GALLONS PER HOUR	SG
		GPM	GALLONS PER MINUTE	
		GRD	GRILLES, REGISTERS, AND DIFFUSERS	SIM
		GV	GATE VALVE, GLOBE VALVE	SL
		IAQ	INDOOR AIR QUALITY	
		IE	INVERT ELEVATION	SMACNA
		C.	INCH	
		IN.WG	INCHES WATER COLUMN	
		kw	KILOWATT	SOV
				SP
				SS
		L	LENGTH	
		LAT	LEAVING AIR TEMPERATURE	T
		LBS	POUND	TCV
		LD	LINEAR DIFFUSER	
		LR	LINEAR RETURN	TD
		LVR	LOUVER	
		LWR	LOW WALL RETURN	
		MAT	MIXED AIR TEMPERATURE	TEMP
		MAV	MANUAL AIR VENT	TG
		MAX	MAXIMUM	TOD
		MBH	THOUSAND BTU PER HOUR	TOP
		MC	MECHANICAL CONTRACTOR	TOS
		MCA	MINIMUM CIRCUIT AMPACITY	TOF
		MECH	MECHANICAL	TRAP
		MERV	MINIMUM EFFICIENCY REPORTING VALUE	TSP
		MIN	MINIMUM	TU
		MOC	MAXIMUM OVERCURRENT PROTECTION	TW
		MOD	MOTOR OPERATED DAMPER	TYP
		N	NEW	UG
		NA	NOT APPLICABLE	UH
		NC	NORMALLY CLOSED, NOISE CRITERIA	UNO
		NIC	NOT IN CONTRACT	V
		NO	NORMALLY OPEN, NITROUS OXIDE	VA
		IN.	NUMBER	VAV
		NTS	NOT TO SCALE	VCD
		OA	OUTDOOR AIR	VD
		OC	ON CENTER	VEL
		OD	OUTSIDE DIMENSION OR DIAMETER	VENT
		ORD	OVERFLOW ROOF DRAIN	VFD
		ORL	OVERFLOW RAIN LEADER	VOLT
		OSA	OUTDOOR SUPPLY AIR	VTR
		P	PUMP, PRESSURE, PLUMBING FIXTURE	W
		PD	PRESSURE DROP, PUMPED DRAIN	W/
		PH	PHASE	WB
		PIV	POST INDICATOR VALVE	WC
		POC	POINT OF CONNECTION	WCO
		PRV	PRESSURE REDUCING VALVE	WG
		PSIG	POUNDS PER SQUARE INCH	WH
				WHA
				WM
				WSEC
				WSFU
				WT

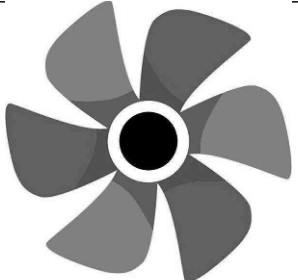


CODES

2021 UNIFORM PLUMBING CODE WITH LOCAL AMENDMENTS
2021 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS
2021 WASHINGTON STATE ENERGY CODE
2021 INTERNATIONAL FUEL GAS CODE
2021 INTERNATIONAL BUILDING CODE



WEDDERMANN ARCHITECTURE
JENNIFER WEDDERMANN, AIA, LEED AP
4628 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-8611
JENNIFER@WEDDERMANN.COM



PROJECT

GINA BURKHAMMER
DON'S DRIVE - IN
925 S MERIDIAN
PUYALLUP, WA 98371

REVISIONS

Description

Date

Rev#

7/11/24

24041

DON'S

DRIVE-IN RVT

9/10/2024

9:00:33 AM

SHEET NAME

PLUMBING - ABBREVIATION & NOTES

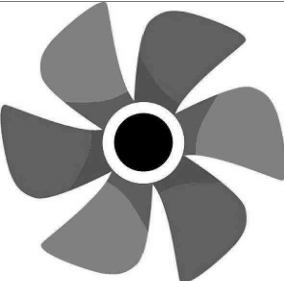
PROGRESS SET

SHEET NO.

P0.1



WEDDERMANN
ARCHITECTURE
JENNIFER WEDDERMANN, AIA, LEED
AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-6611
JENNIFER@WEDDERMANN.COM



PROJECT
GINA BURKHAMMER
DON'S DRIVE – IN
925 S MERIDIAN
PUYALLUP, WA 98371

REVISIONS	INFO
Description	7/11/24 Rev#
	24041
	DON'S
	DRIVE – IN RVT
	9/30/2024 9:00:33 AM

SHEET NAME	PLUMBING – LEGENDS	PROGRESS SET
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SHEET NO.

P0.2

GENERAL

-----	EXISTING MECHANICAL TO BE REMOVED
_____	EXISTING MECHANICAL TO REMAIN
=====	MATCHLINE OR PROPERTY LINE
=====	ENLARGED PLAN BOUNDARY
1 M1.01	DETAIL/PLAN IDENTIFIER
A M1.01	SECTION IDENTIFIER
A M1.01	ELEVATION IDENTIFIER
1	REVISION CALLOUT
1	KEYED NOTE TAG
1	CODED NOTE
AHU-01	MECHANICAL EQUIPMENT TAG
+	INVERT ELEVATION OR POC

CONTROLS (PLAN VIEW)

TU-xx	THERMOSTAT OR TEMPERATURE SENSOR
G	SENSOR: SHOWN WITH GUARD (TYPICAL ALL SENSORS)
S	HUMIDISTAT OR HUMIDITY SENSOR
CO	CARBON MONOXIDE SENSOR
CO2	CARBON DIOXIDE SENSOR
IAQ	INDOOR AIR QUALITY SENSOR
Sx	SWITCH BY MECHANICAL

ELECTRICAL PROVISIONS FOR MECHANICAL WORK

□	LOCATION OF STARTER, DISCONNECT & CONTROLS
VFD	VARIABLE FREQUENCY DRIVE
HT HT	HEAT TRACE BETWEEN SYMBOLS OR END OF RUN

ACCESS

△	ACCESS DOOR (SPECIFIED OR AS SHOWN ON DWGS)
□	MECHANICAL ACCESS (SPECIFIED OR AS SHOWN ON DWGS)

PIPING

○	PIPE ELBOW UP OR PIPE TEE UP AND DOWN
↳	PIPE ELBOW DOWN
○	PIPE TEE UP
≡	PIPE TEE DOWN
C	PIPE RISE
⌋	PIPE CAP
⌋	PIPE PLUG
→	FLOW DIRECTION
{ }	PIPE BREAK
c	CONDENSATE DRAIN

SOIL AND WASTE WATER PIPING SYSTEM

_____	SANITARY SEWER/WASTE UNDERGROUND
_____	SANITARY SEWER/WASTE ABOVE GROUND
-----	VENT PIPING
X" VTR	VENT THRU ROOF (INCLUDE SIZE)
□	FLOOR DRAIN/FUNNEL FLOOR DRAIN
WCO	CLEANOUT – FREE STANDING WALL MOUNTED
FCO	CLEANOUT – FLUSH WITH FLOOR
A	ACID WASTE

DOMESTIC WATER PIPING SYSTEM

---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	DOMESTIC HOT WATER CIRCULATION
TP	TRAP PRIMER WATER
○	WATER METER
□	BASKET STRAINER
H	HOSE BIBB/WALL HYDRANT
□	TRAP PRIMER BOX

VALVES

✕	VALVE: GATE, BALL, BUTTERFLY (REFER TO SPECIFICATIONS)
GLOBE	GLOBE VALVE
S	SOLENOID VALVE
✓	CHECK VALVE
BAL	BALANCING VALVE

PIPING SPECIALTIES

	UNION
	FLANGE
~	FLEX CONNECTOR
~	THERMAL/SEISMIC FLEXIBLE LOOP
EU	THERMAL EXPANSION JOINT

NATURAL GAS PIPING SYSTEM

G	LOW PRESSURE NATURAL GAS PIPING
MPG	MEDIUM PRESSURE NATURAL GAS PIPING
COCK	GAS COCK
IOI	PRESSURE REGULATOR
IOI	PRESSURE REGULATOR WITH VENT
•	SEISMIC GAS SHUT-OFF
IOI	GAS PRESSURE REDUCING VALVE WITH VENT

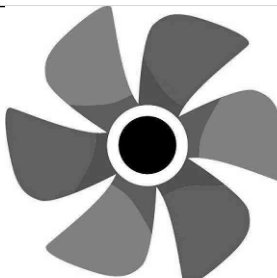
GENERAL NOTES

- 1. SEE SHEET P0.1 FOR ADDITIONAL GENERAL NOTES.
- 2. FOUNDATION WORK SHOWN TO ACCOMMODATE NEW WORK. CONTRACTOR HAS THE OPTION TO REUSE EXISTING PIPING PROVIDED IT IS IN GOOD CONDITION AND SIZED APPROPRIATELY.

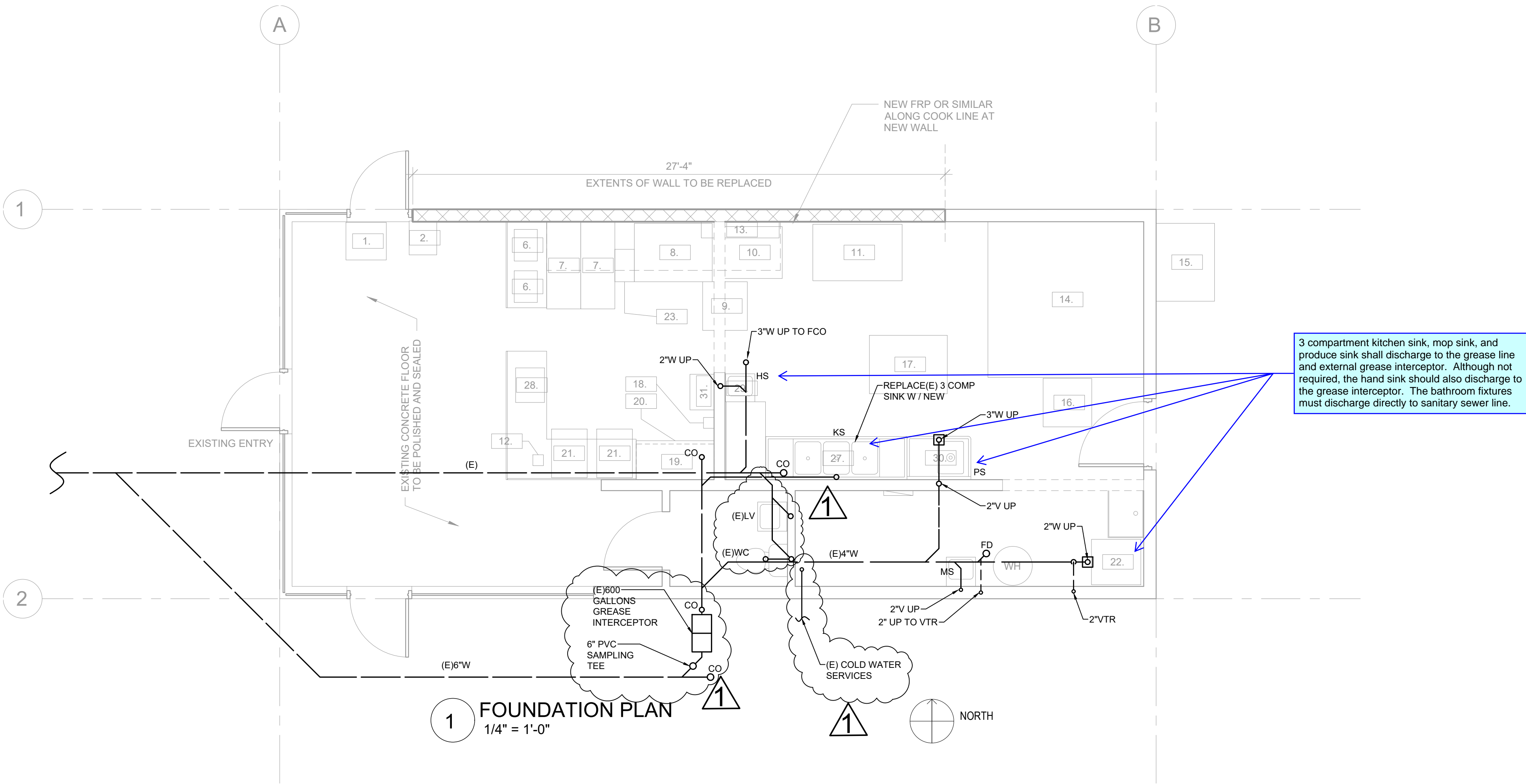
City of Puyallup Development & Permitting Services ISSUED PERMIT			
Building	Planning	Engineering	Public Works
Fire	Traffic		



WEDDERMANN
ARCHITECTURE
JENNIFER WEDDERMANN, AIA, LEED
AP
4829 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-6611
JENNIFER@WEDDERMANN.COM



6/13/2025



SHEET NAME	INFO	REVISIONS		PROJECT	
		Description	PERMIT COMMENTS	GINA BURCKHAMMER	DON'S DRIVE - IN
FOUNDATION PLUMBING PLAN	7/11/24 Rev# 24041 DON'S DRIVE - IN RVT	Date 6/13/2025		925 S MERIDIAN	PUYALLUP, WA 98371
PROGRESS SET	9/25/2024 9:00:33 AM				
SHEET NO.		P1.0			

1

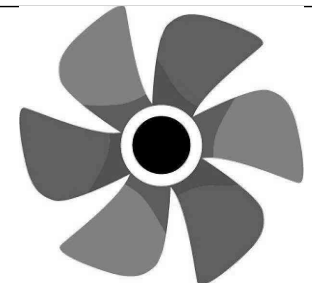
GENERAL NOTES

1. SEE SHEET P0.1 FOR ADDITIONAL GENERAL NOTES.
2. PLUMBING WORK SHOWN TO ACCOMMODATE NEW WORK. CONTRACTOR HAS THE OPTION TO REUSE EXISTING PIPING PROVIDED IT IS IN GOOD CONDITION AND SIZED APPROPRIATELY.
3. LOCATE PLUMBING VENTS THROUGH ROOF A MINIMUM OF 10'-0" AWAY FROM OUTSIDE AIR INTAKES. COORDINATE W/NEW ROOF TOP HVAC UNIT FOR CLEARANCE REQUIRED.

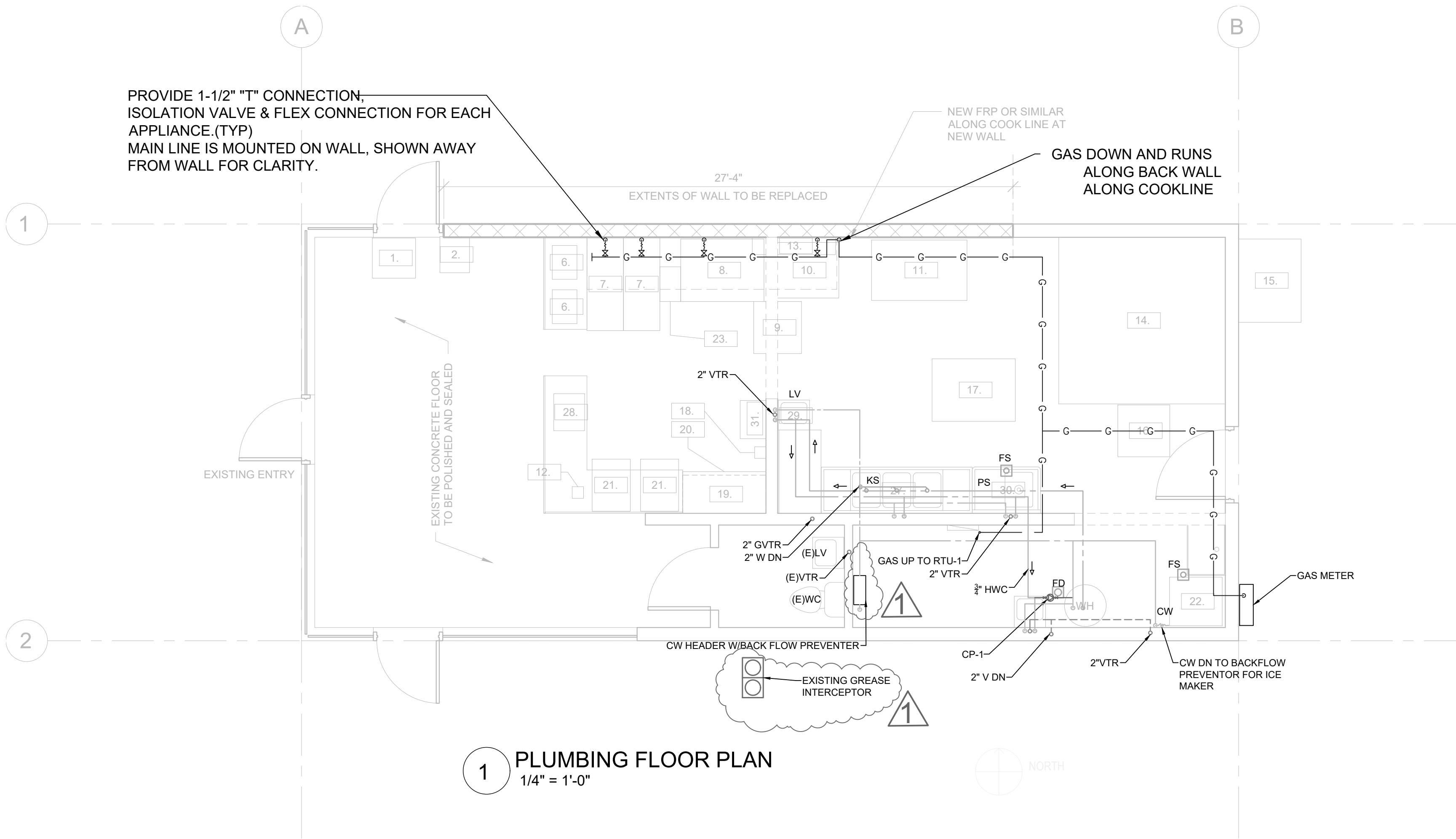
City of Puyallup Development & Permitting Services ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic



**WEDDERMANN
ARCHITECTURE**
JENNIFER WEDDERMANN, AIA, LEED
AP
4829 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-6611
JENNIFER@WEDDERMANN.COM

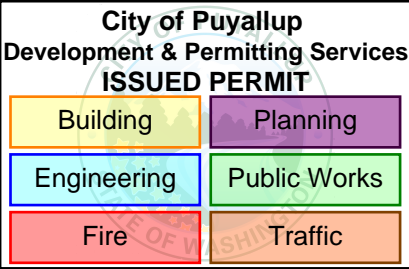


6/13/2025

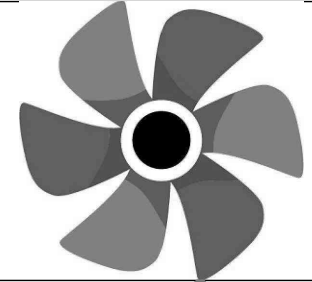


1 PLUMBING FLOOR PLAN
1/4" = 1'-0"

SHEET NAME	INFO	REVISIONS		PROJECT	
		Description	Permit Comments	GINA BURKHAMMER	DON'S DRIVE - IN
FIRST FLOOR PLUMBING PLAN	7/11/24 24041 DON'S DRIVE - IN RVT	6/13/2025		925 S MERIDIAN	PUYALLUP, WA 98371
PROGRESS SET	9/20/2024 9:00:33 AM				
SHEET NO.		P1.1			



WEDDERMANN
ARCHITECTURE
JENNIFER WEDDERMANN, AIA, LEED
AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-6611
JENNIFER@WEDDERMANN.COM



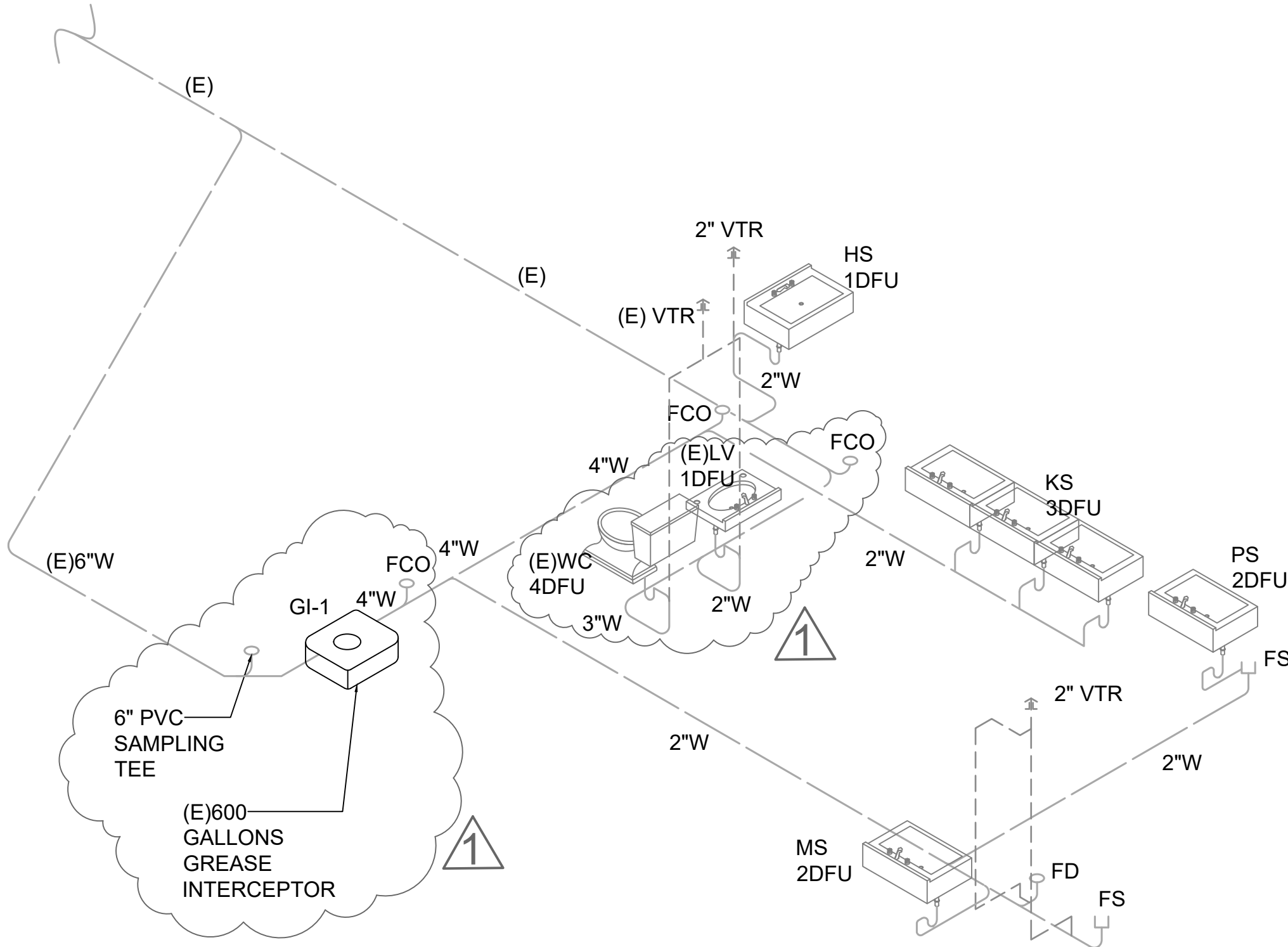
6/13/2025

PROJECT
GINA BURKHAMMER
DON'S DRIVE - IN
925 S MERIDIAN
PUYALLUP, WA 98371

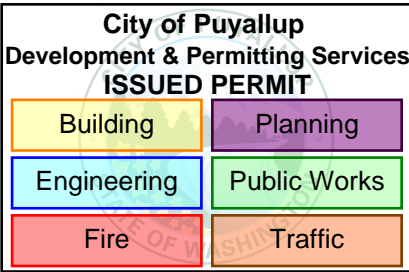
REVISIONS	DESCRIPTION	DATE
1	PERMIT COMMENTS	6/13/2025

INFO	DATE	REV#	DESCRIPTION
7/11/24	24041	1	DON'S DRIVE - IN RVT

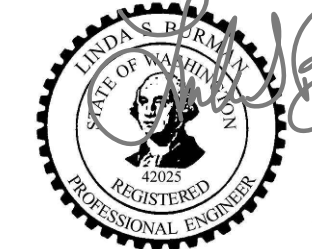
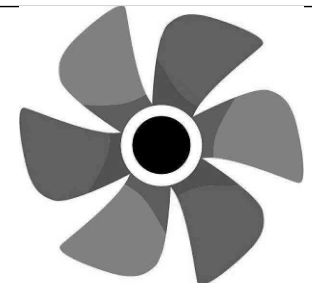
SHEET NAME	WASTE & VENT RISER
PROGRESS SET	
SHEET NO.	P2.0



1 WASTE & VENT RISER
Scale:N.T.S



WEDDERMANN
ARCHITECTURE
JENNIFER WEDDERMANN, AIA, LEED
AP
4629 SOUTH YAKIMA
TACOMA, WA 98408
(253)-973-6611
JENNIFER@WEDDERMANN.COM

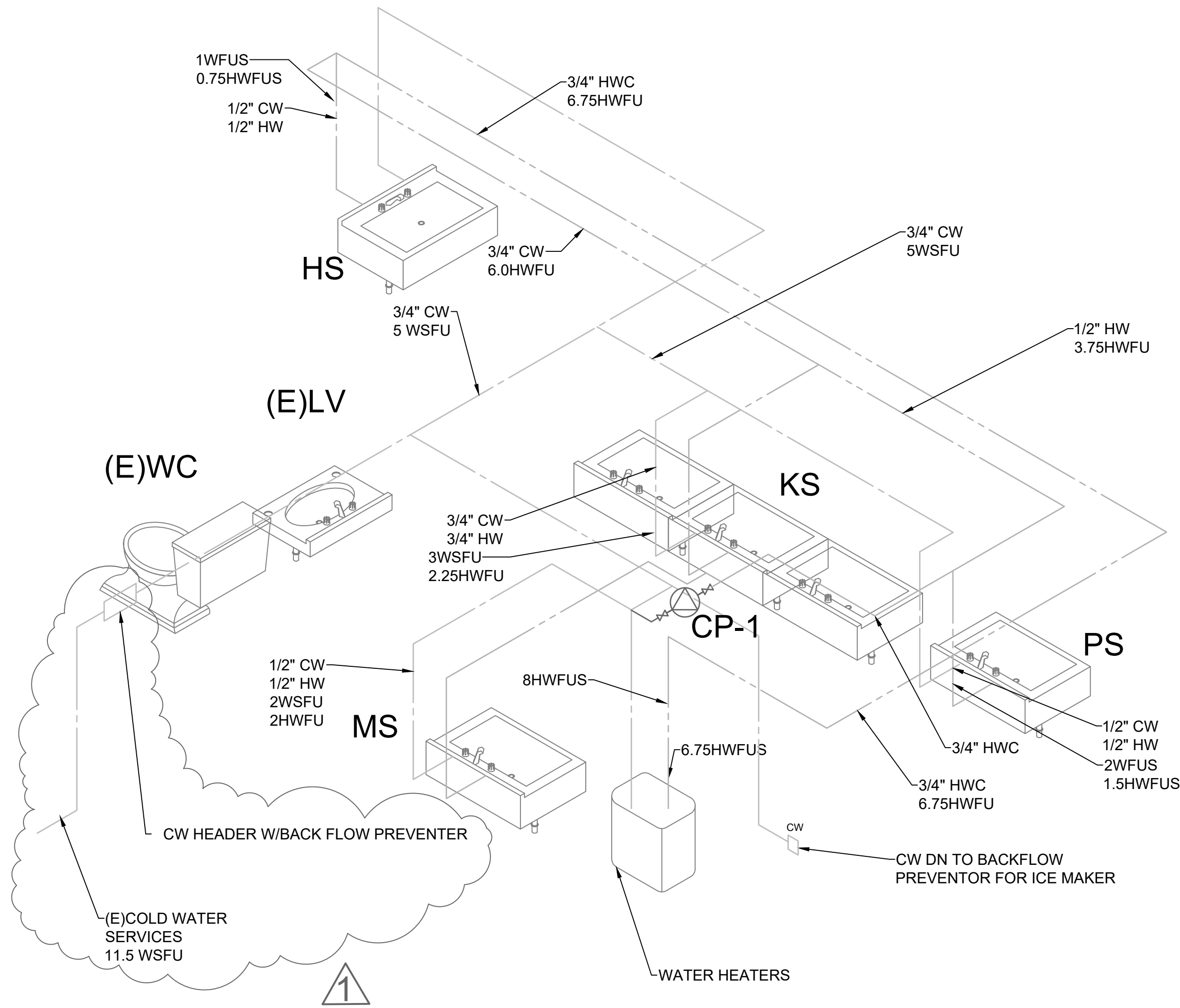


PROJECT
GINA BURCKHAMMER
DON'S DRIVE - IN
925 S MERIDIAN
PUYALLUP, WA 98371

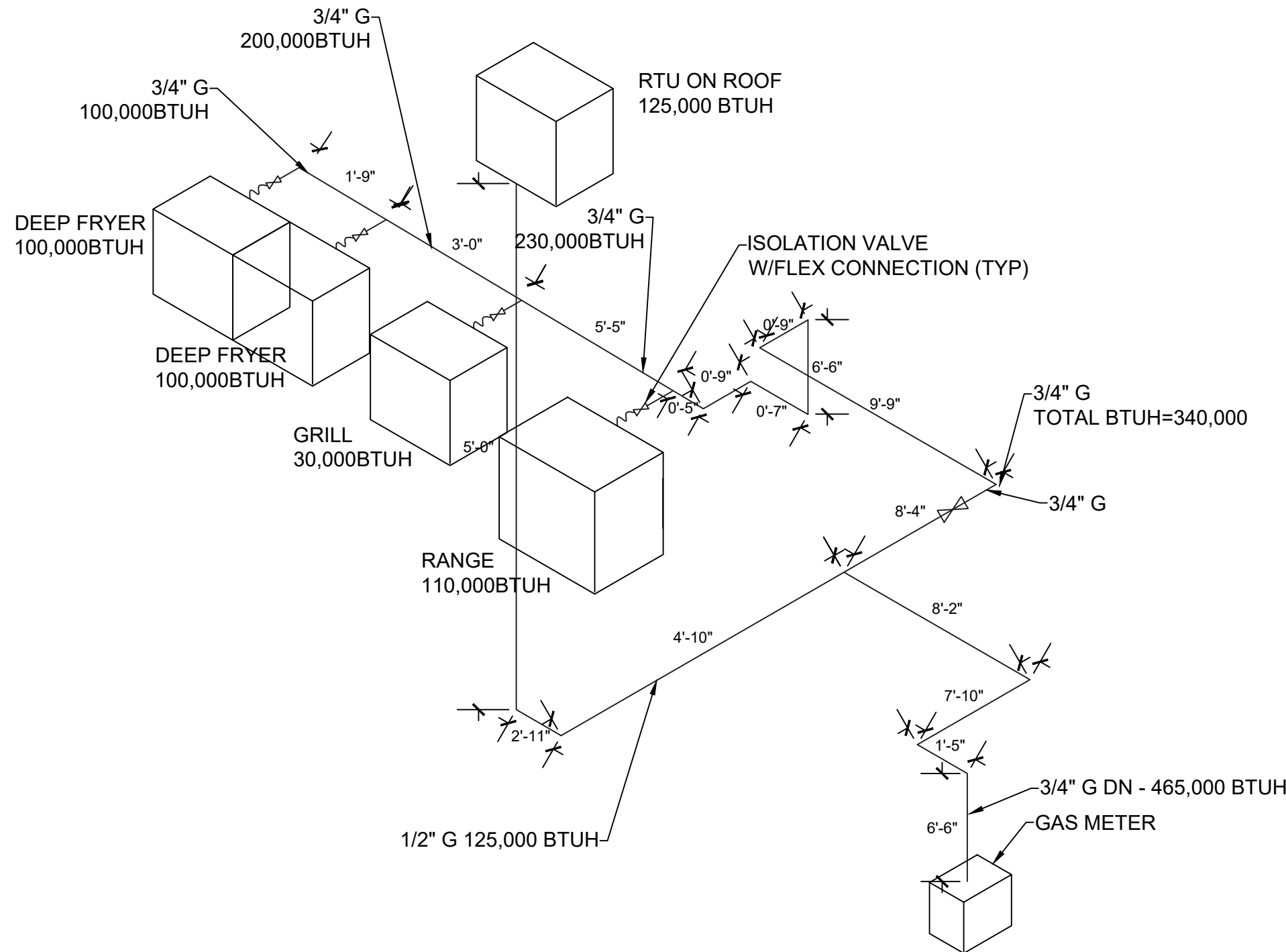
REVISIONS	INFO
<div>Description</div> <div>PERMIT COMMENTS</div>	<div>7/11/24 Rev#</div> <div>24041</div> <div>Don's Drive - In RVT</div> <div>9/20/2024 9:00:33 AM</div>

SHEET NAME
WATER & GAS
RISERS

SHEET NO.
P2.1



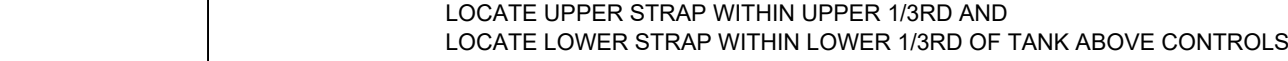
1 WATER RISER
Scale:N.T.S



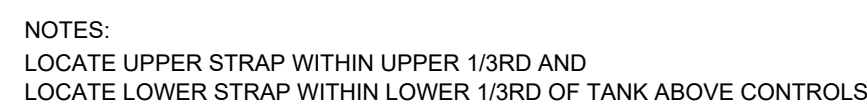
2 GAS RISER
Scale:N.T.S



1 ELECTRONIC TRAP PRIMER

SCALE
NTS

2 PIPE THROUGH INTERIOR WALL

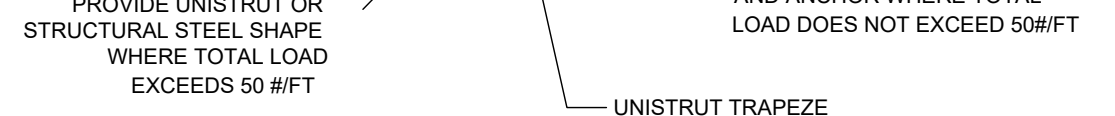
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3 WATER HEATER ANCHOR STRAPS

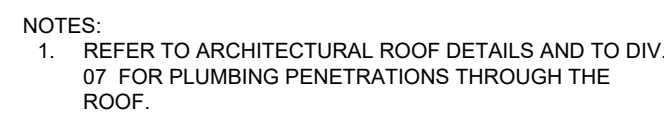
SCALE
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4 FLOOR DRAIN IN CONCRETE FLOOR

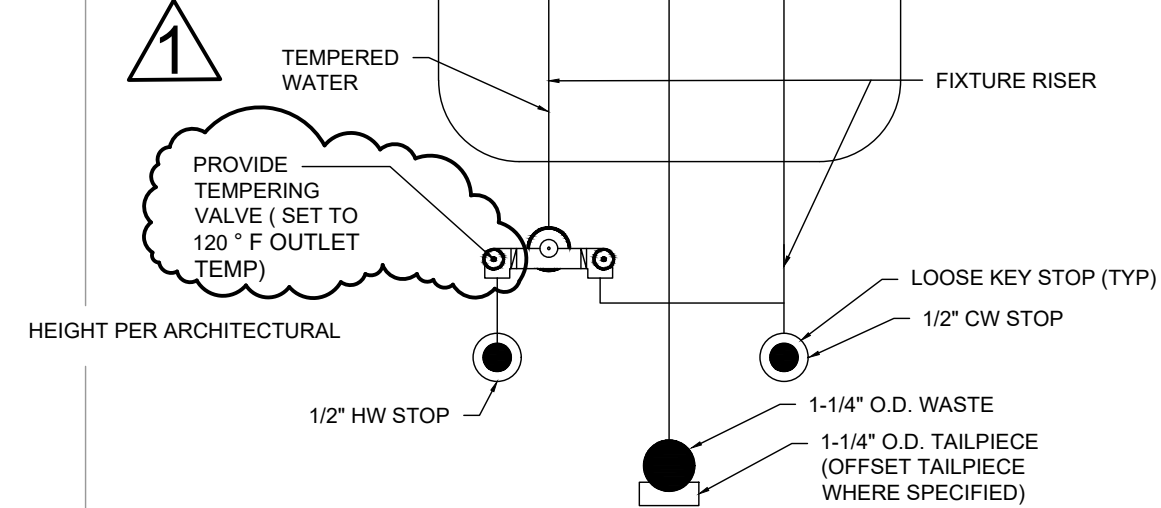
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5 PIPING TRAPEZE

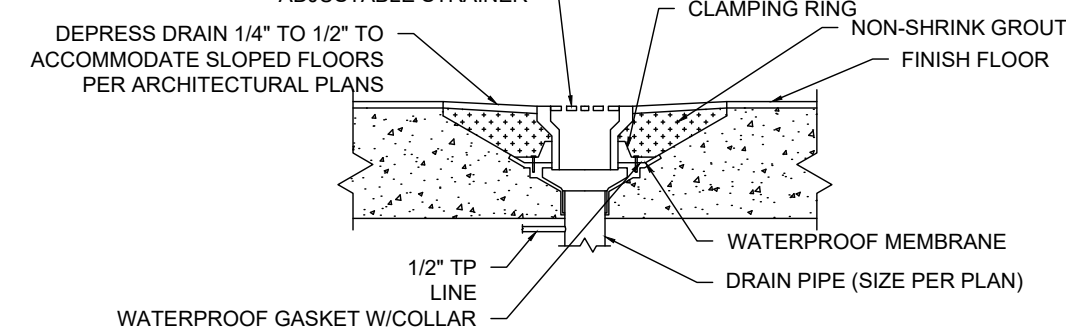
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6 ROOF PENETRATION

SCALE
NTS

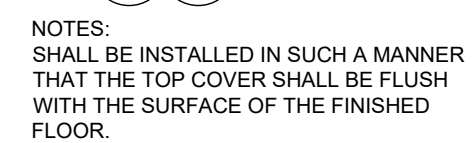
7 LOCAL MIXING VALVE

SCALE
NTS

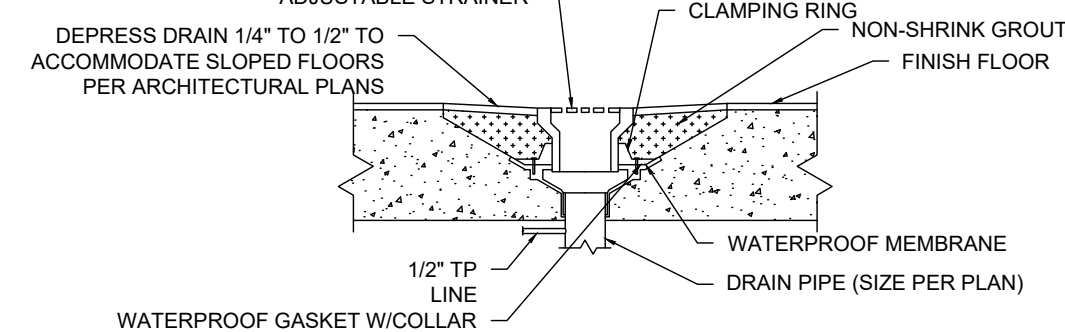


8 FLOOR DRAIN IN CONCRETE FLOOR

SCALE
NTS



9 INTERIOR CLEANOUT

SCALE
NTS

10 FLOOR DRAIN IN CONCRETE FLOOR

SCALE
NTS