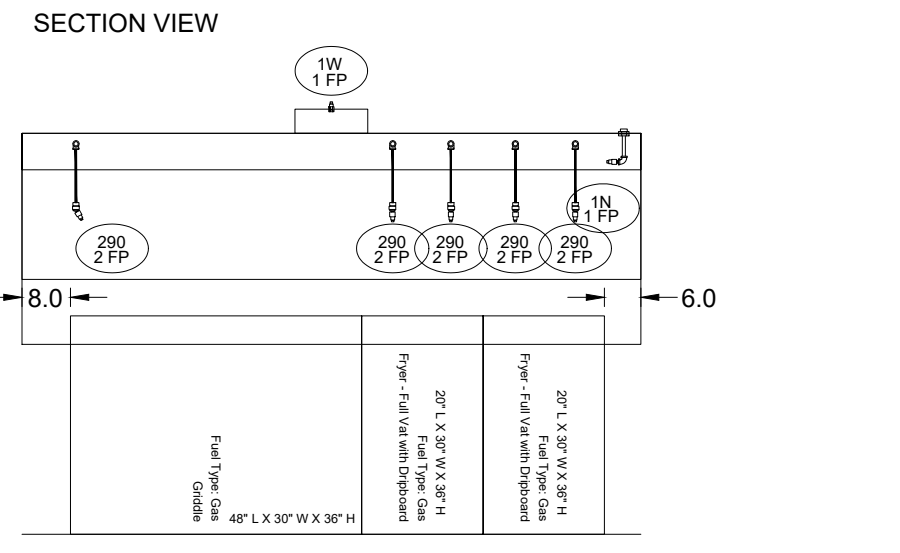
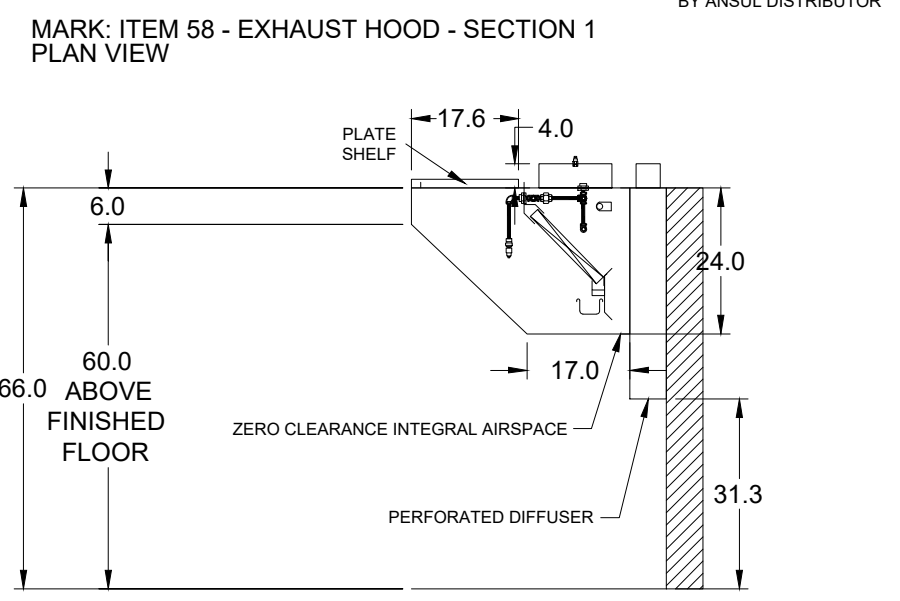
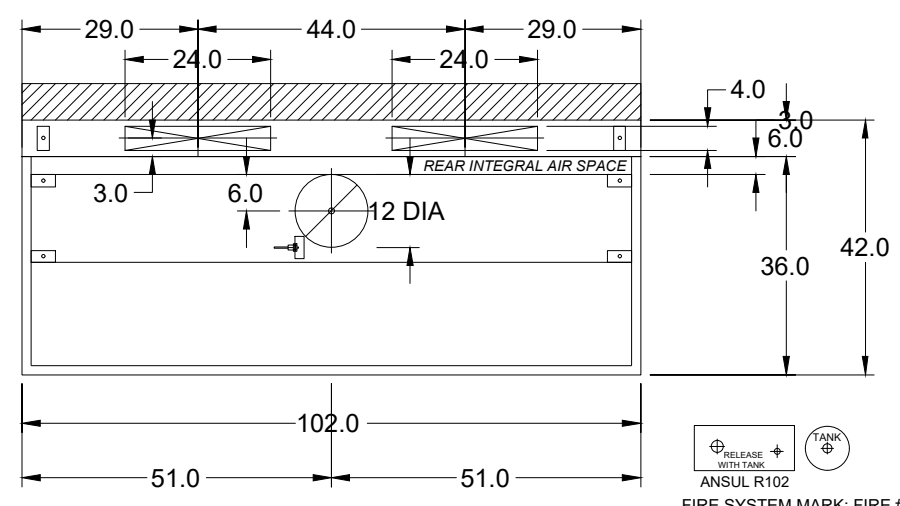


HOOD INFORMATION														
HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)		HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST COLLAR(S)			MUA CFM	AC CFM	TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH				HEIGHT	WIDTH	LENGTH				
1	ITEM 58 - EXHAUST HOOD	XBEP-102-S	102	60.0	42.0	430 SS WHERE EXPOSED	1700	12	1700	0.734	1360	222.2	SINGLE	

HOOD INFORMATION												
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)				
		FIXTURE TYPE	BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL	MATERIAL	QTY	SIZE (IN.)	LOCATION	FIRE SYSTEM	CONTROLS
1	ITEM 58 - EXHAUST HOOD					BAFFLE	1	16	16			
						STAINLESS STEEL	1	20	16			

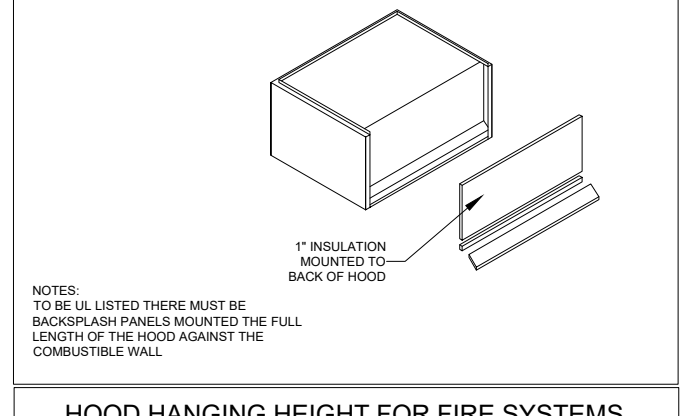
SUPPLY PLENUM INFORMATION															
HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)		INSULATED	DAMPER(S)	LED LIGHT(S) SUPPLIED QTY	TOTAL CFM	COLLARS					
				L	W					TYPE	MOUNTING QTY	W L DIA.	CFM	S.P.	
1	ITEM 58 - EXHAUST HOOD	BACK	BSP	102	63.75	NO	NO	NO	1360	MUA FACTORY 2	4	24	680	0.16	1020

HOOD OPTIONS
 UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
 BACK INTEGRAL AIR SPACE - 3 IN WIDE - ZERO CLEARANCE
 FACTORY MOUNTED EXHAUST COLLAR(S)
 PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
 STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



MARK ITEM 58 - EXHAUST HOOD

ZERO CLEARANCE TO BACK OF HOOD

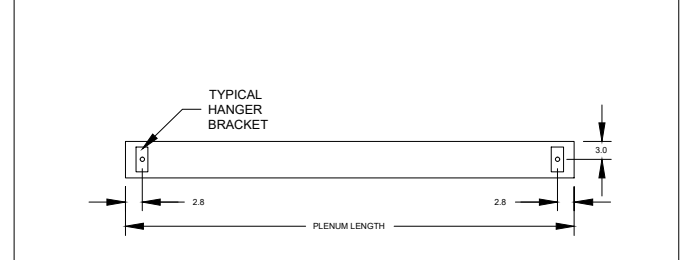


HOOD HANGING HEIGHT FOR FIRE SYSTEMS

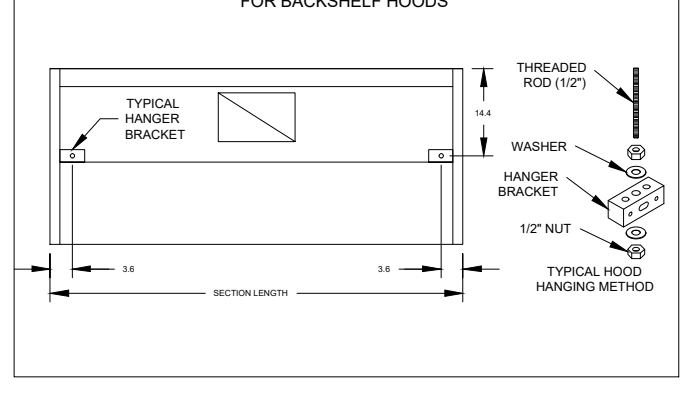
VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.

- RECOMMENDED HANGING HEIGHT = 60" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.
- OTHER HANGING HEIGHT = 4" FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.

BACK SUPPLY PLENUM HANGER BRACKET DETAIL FOR BSP



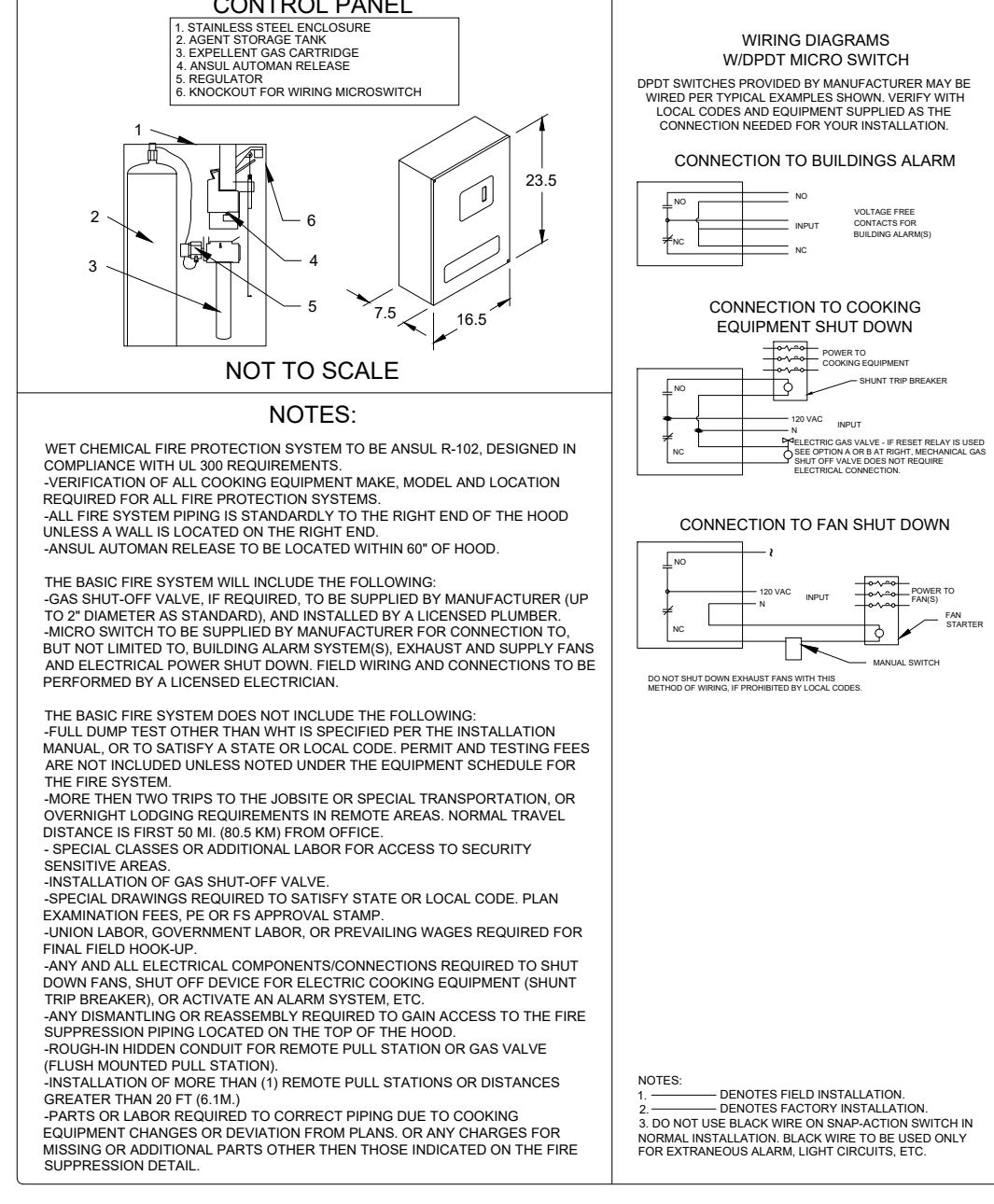
HOOD HANGER BRACKET DETAIL FOR BACKSHELF HOODS



FIRE SYSTEM INFORMATION									
MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM		
			HOODS	PCU			ITEM 58 - EXHAUST HOOD SECTION 1		
FIRE #1	ANSUL R-102 WET CHEMICAL	REMOTE MOUNTED	12 UTILIZED	22 AVAILABLE	CONTINUOUS	FUSIBLE LINK			

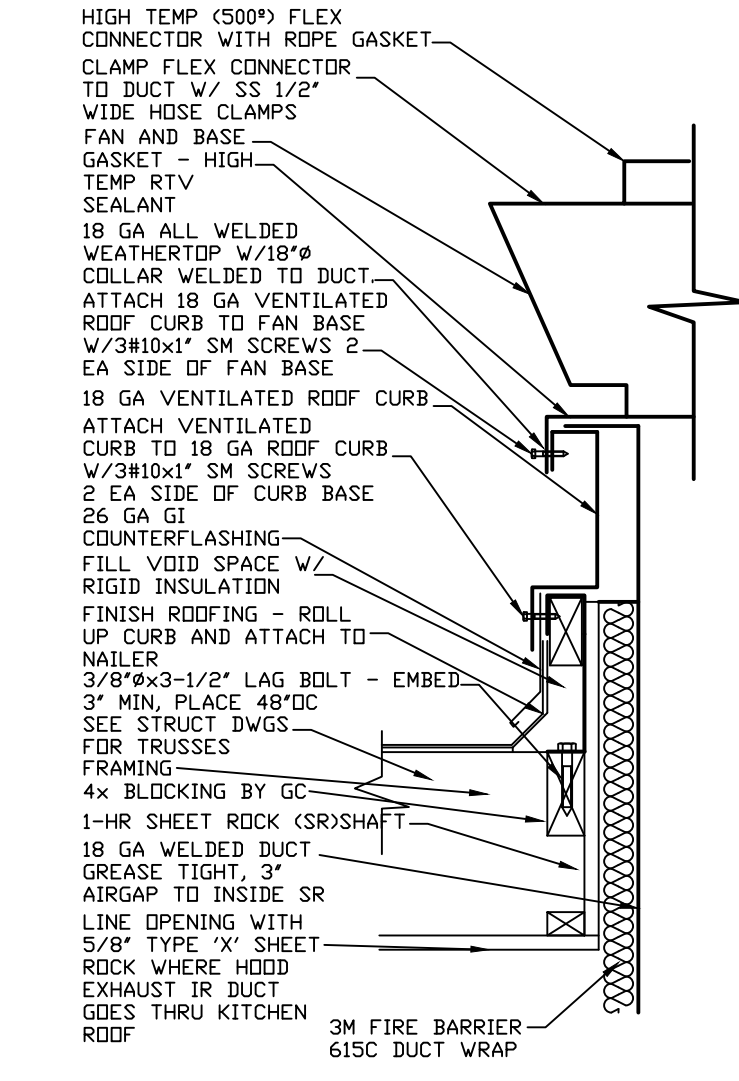
FIRE SYSTEM OPTIONS AND ACCESSORIES
 FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
 CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED
 METAL BLOW-OFF CAPS - INCLUDED
 GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 1.25" (ANSUL) - PART# ANSULMECHSHUTOFFVALVE125
 HOOD SUPPRESSION TANK - INCLUDED - 6 GAL. - (2) 3.0 TANK(S)
 REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS
 TANK ENCLOSURES (STAINLESS STEEL) FOR REMOTE MOUNTING - INCLUDED

ANSUL R102 (WET CHEMICAL) FIRE PROTECTION SYSTEM - MODEL FSSC

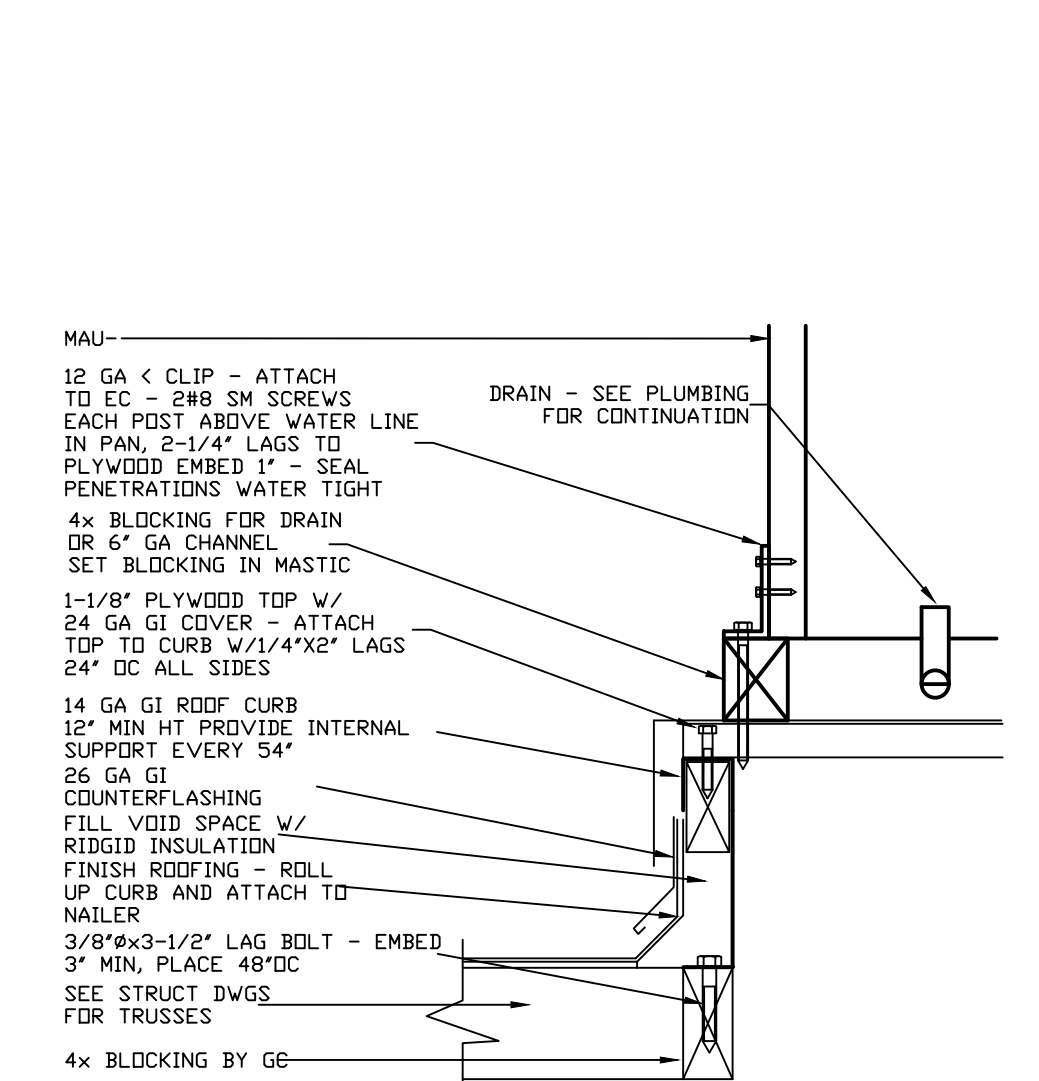


MARK FIRE #1

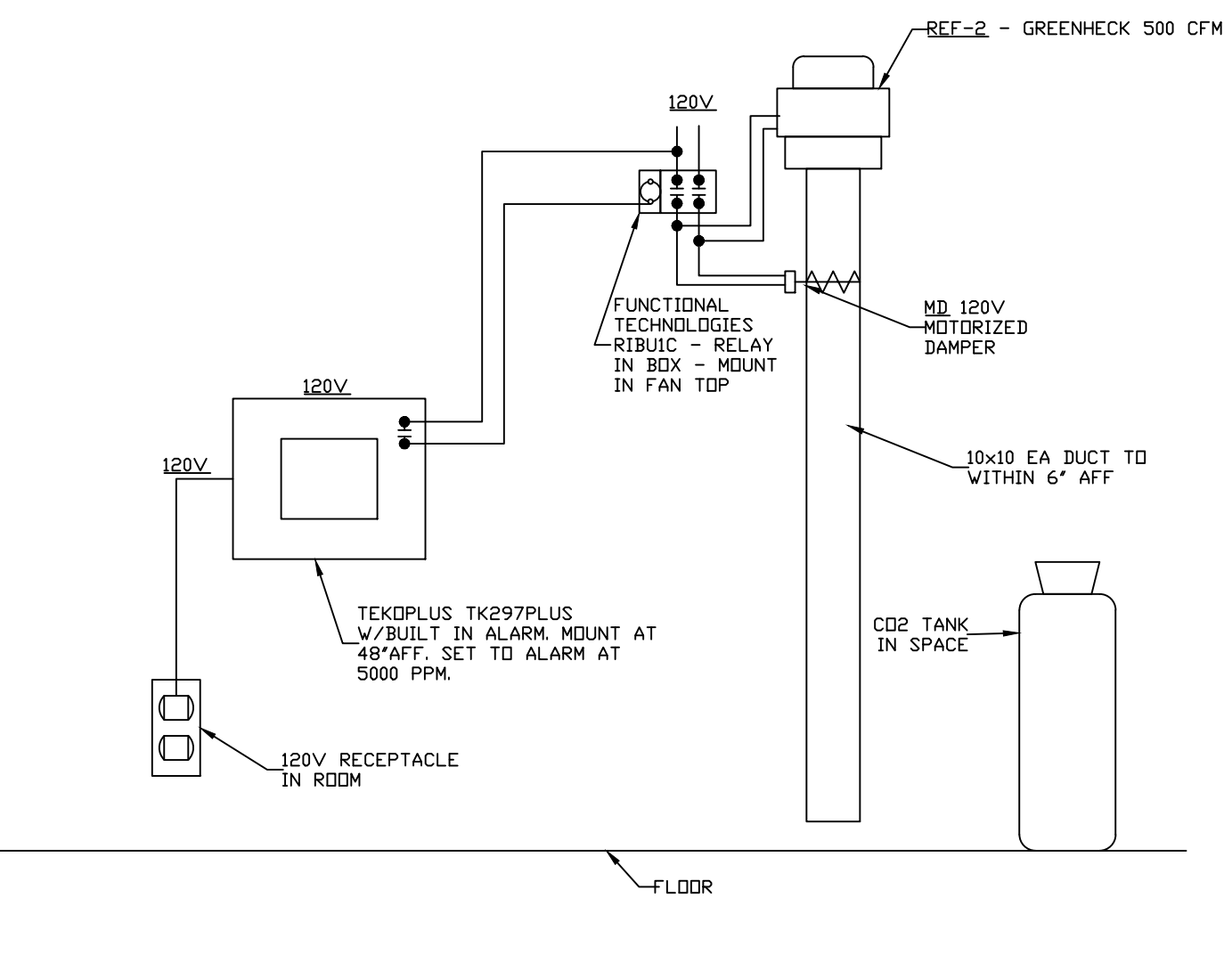
PROJECT: 17/15/2022
 ACCUREX SOUTHERN CA & HAWAII
 DAVID SPERLING
 SOCIAL@ACCUREX.COM
 (805)450-5526
ACCUREX



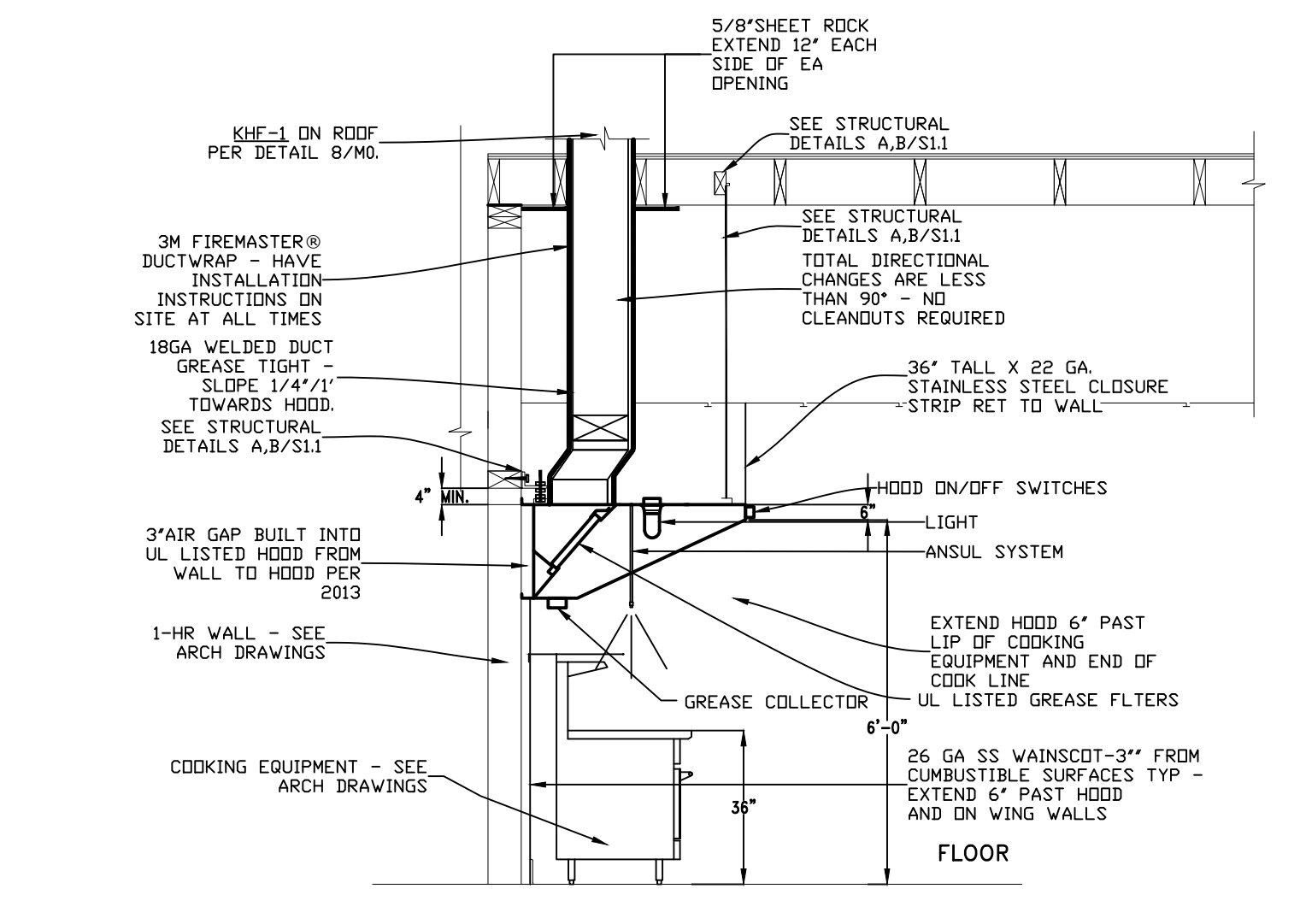
MO.1



MO.1



MO.1



MO.1

JOB # 2021-124
 GDMD ENGINEERING, INC
 Mechanical and Safety Engineers
 212 W Pine St, Ste 4
 Lodi, Ca 95242
 Ph 209-367-0899
 Fax 209-367-0898
 E-mail:gdmdengrinc@sbcglobal.net

REVISIONS
 BUILDING DEPT. - 04/28/22
 FIRE DEPT. - 04/16/22
 HEALTH DEPT. - 05/16/22
 BUILDING DEPT. - 07/18/22

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PLANNING ARCHITECTURE
api
 ARCHITECTURE PLUS INC.
 4335-B NORTH STAR WAY
 MODESTO, CA 95356
 ph. 209.577.4661
 fx. 209.577.0213
 www.apirc.com

FRANK C. BOOTS
 JOSEPH L. SMITH
 RODNEY C. ALONZO
 ARCHITECTS

BRASS TAP PUB
 SW CORNER, GENERAL STILLWELL DR. & 11TH AVE.
 MARINA

ACCUREX DRAWINGS

Reviewed for Code Compliance
 08/23/2022
 CSG CONSULTANTS, INC.

PROFESSIONAL ENGINEER
 ERIC G. DAVIS
 No. W28789
 Exp. 6-30-24
 STATE OF CALIFORNIA
 MECHANICAL

DATE: JULY 2022
 JOB NO.: 19040
 DRAWN: NR
 CHECKED: GD
 SHEET:

MO.1

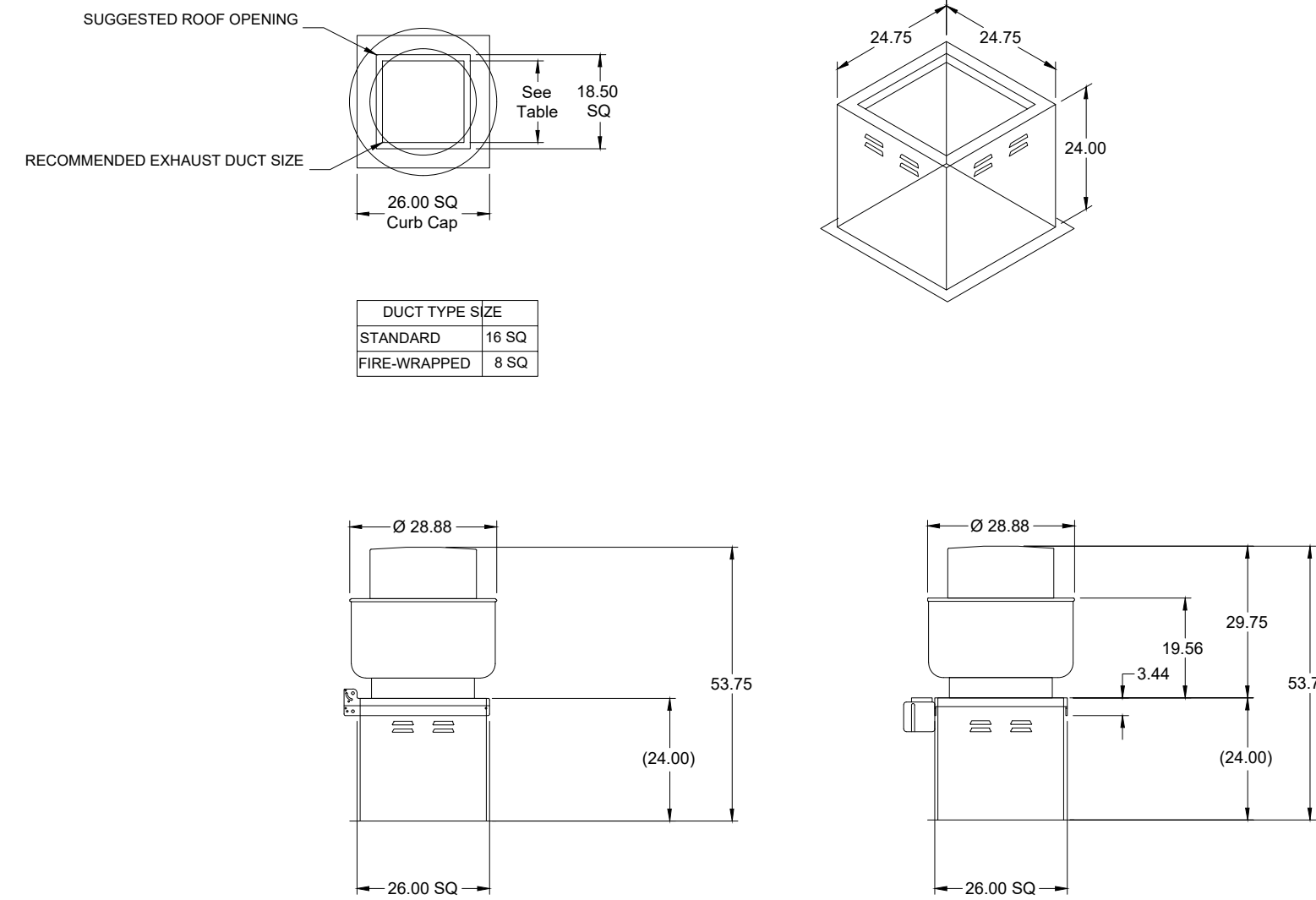
Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION					
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	VIC/P ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*	
1	ITEM_58.1 - EF-1	XCUE-140-A	1,700	1.611	1,725	0.95	96	1	208/60/3	OP	1725	1	4.6

*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory

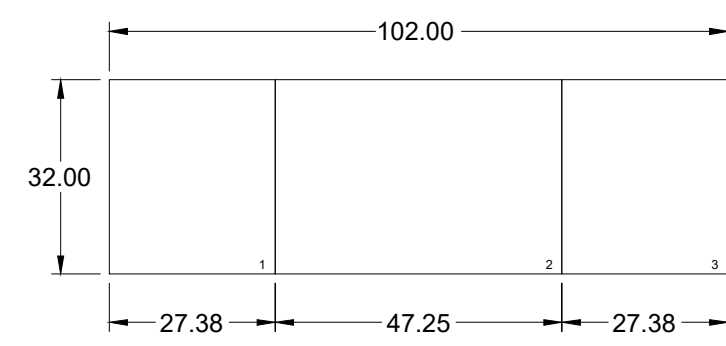
ITEM_58.1 - EF-1 : SELECTED OPTIONS AND ACCESSORIES

Motor VFD Rated without Shaft Grounding Protection
 One piece fully welded windband
 Tapered bushing wheel hub
 Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)
 Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)
 Larger Curb Cap Size - 26 Square
 ULicUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"
 Switch, NEMA-3R, Taggle, Shipped with Unit
 Hinge, Factory Installed
 High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
 Grease Trap (PN 475538)



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB.
 CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.
 OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.

MARK ITEM_58.1 - EF-1

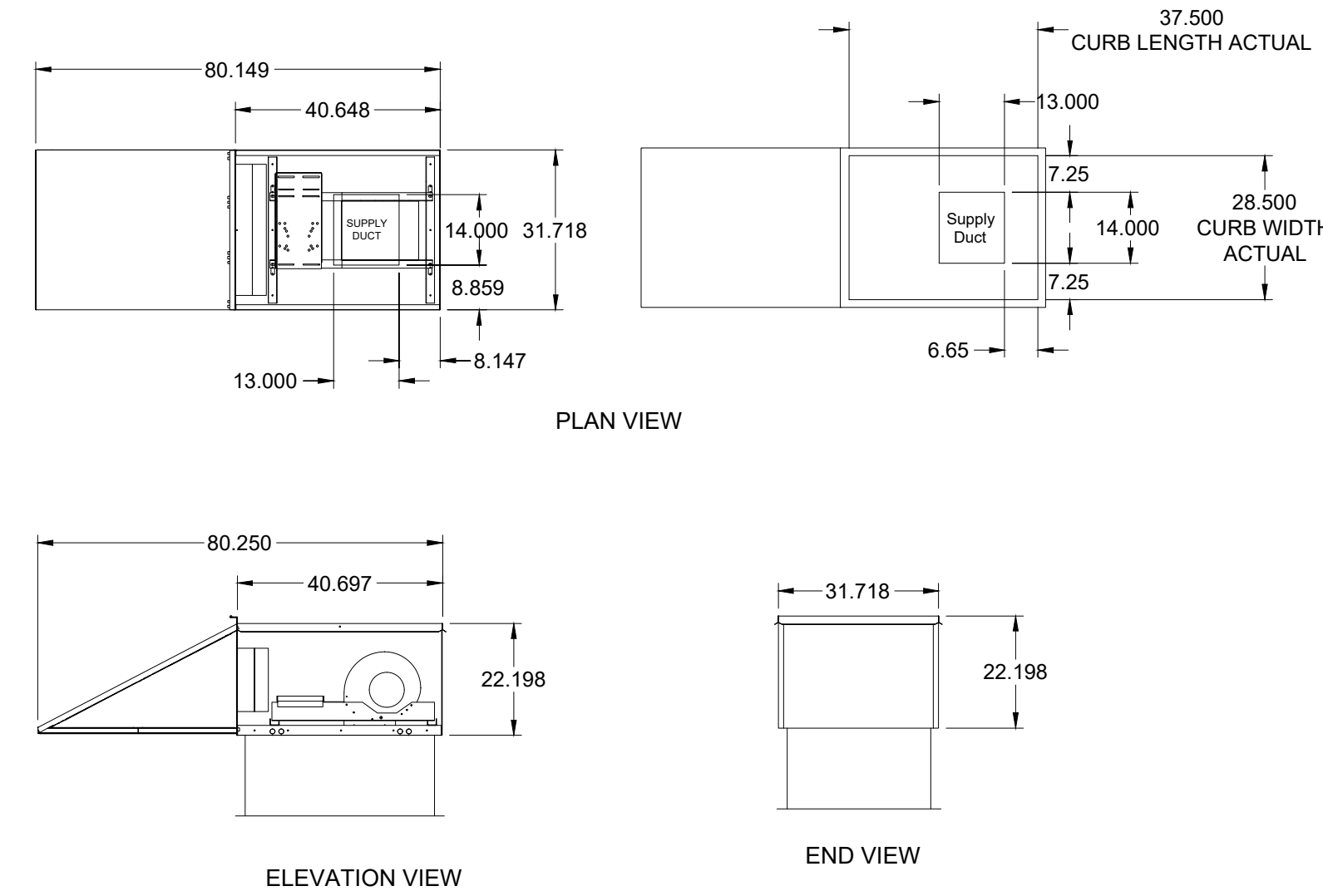


BACK SPLASH

MARK ITEM 58 - EXHAUST HOOD - SPLASH PANEL LAYOUT

EQUIPMENT SCHEDULE

Non-Tempered Make-Up Air Unit										Mark: ITEM 58.2 - MUA-1	
Qty	Accurex Model	Volume	External SP	Total SP	FRPM	Operating Power	Weight			Options and Accessories	
1	XCSFB-102-H15-A1	1,360 CFM	0.3 in. wg	0.372 in. wg	773	0.25 hp	244 lb			Air Flow Arrangement: Outdoor Air Only Weatherhood: Aluminum Mesh, 1620x1 - (4) Damper: Inlet Outdoor Air Intake Position: End Discharge Position: Bottom Coating: Galvalume Insulation: None Access: Side Right-Hand Inlet Damper Control: Gravity Low Waterdry: 1" (Standard)	
Motor Information											
Size	VIC/P	Enclosure	Motor RPM	Motor RPM Windings	MCA	MOP					
1 hp	208/60/3	ODP	No	1725	1	5.8					
Outlet Sound Power by Octave Band											
dB	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones	
85.5	87.7	72.6	64.7	62.1	60.3	57.8	51	74.2	63.2	11.5	



NOTE: Roof Opening Requirements:

Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides.
 For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb.
 For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.

NOTE: The weatherhood and filter sections of the make-up air unit are not supported by the curb.
 This is by design, in order to help alleviate water infiltration issues.

FOOTPRINT

MARK ITEM 58.2 - MUA-1

BRASS TAP_MARINA

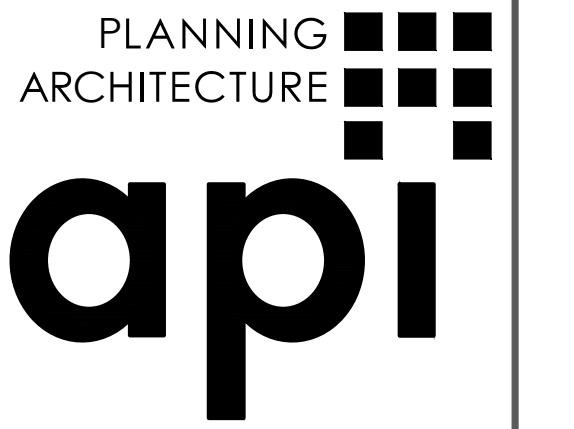
PROJECT 11/13/2022

ACCUREX SOUTHERN CA & HAWAII
 DAVID SPERLING
 SOCIAL@ACCUREX.COM
 (888)495-5260

ACCUREX

- REVISIONS
- △ BUILDING DEPT. - 04/28/22
 - △ FIRE DEPT. - 04/16/22
 - △ HEALTH DEPT. - 05/16/22
 - △ BUILDING DEPT. - 07/18/22

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ARCHITECTURE PLUS INC.
 4335-B NORTH STAR WAY
 MODESTO, CA 95356

ph. 209.577.4661
 fx. 209.577.0213

www.apiarc.com

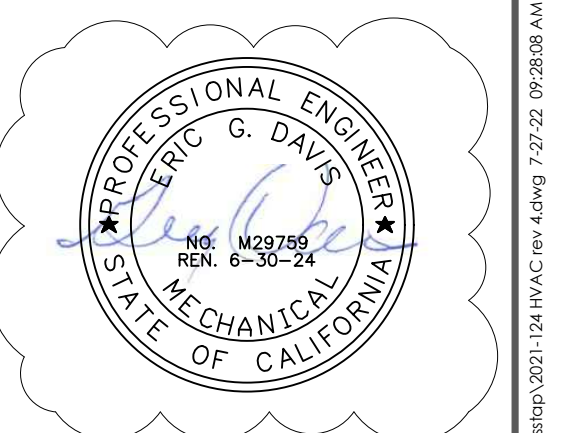
FRANK C. BOOTS
 JOSEPH L. SMITH
 RODNEY C. ALONZO
 ARCHITECTS

BRASS TAP PUB
 SW CORNER, GENERAL STILLWELL DR. & 11TH AVE.

MARINA

ACCUREX DRAWINGS

Reviewed for Code Compliance
 06/23/2022
 CSG CONSULTANTS, INC.



DATE: JULY 2022
 JOB NO.: 19040
 DRAWN: NR
 CHECKED: GD
 SHEET:

JOB # 2021-124
 GDM ENGINEERING, INC
 Mechanical and Safety Engineers
 212 W Pine St, Ste 4
 Lodi, Ca 95242
 Ph 209-367-0899
 Fax 209-367-0898
 E-mail: gdmengrinc@sbcglobal.net

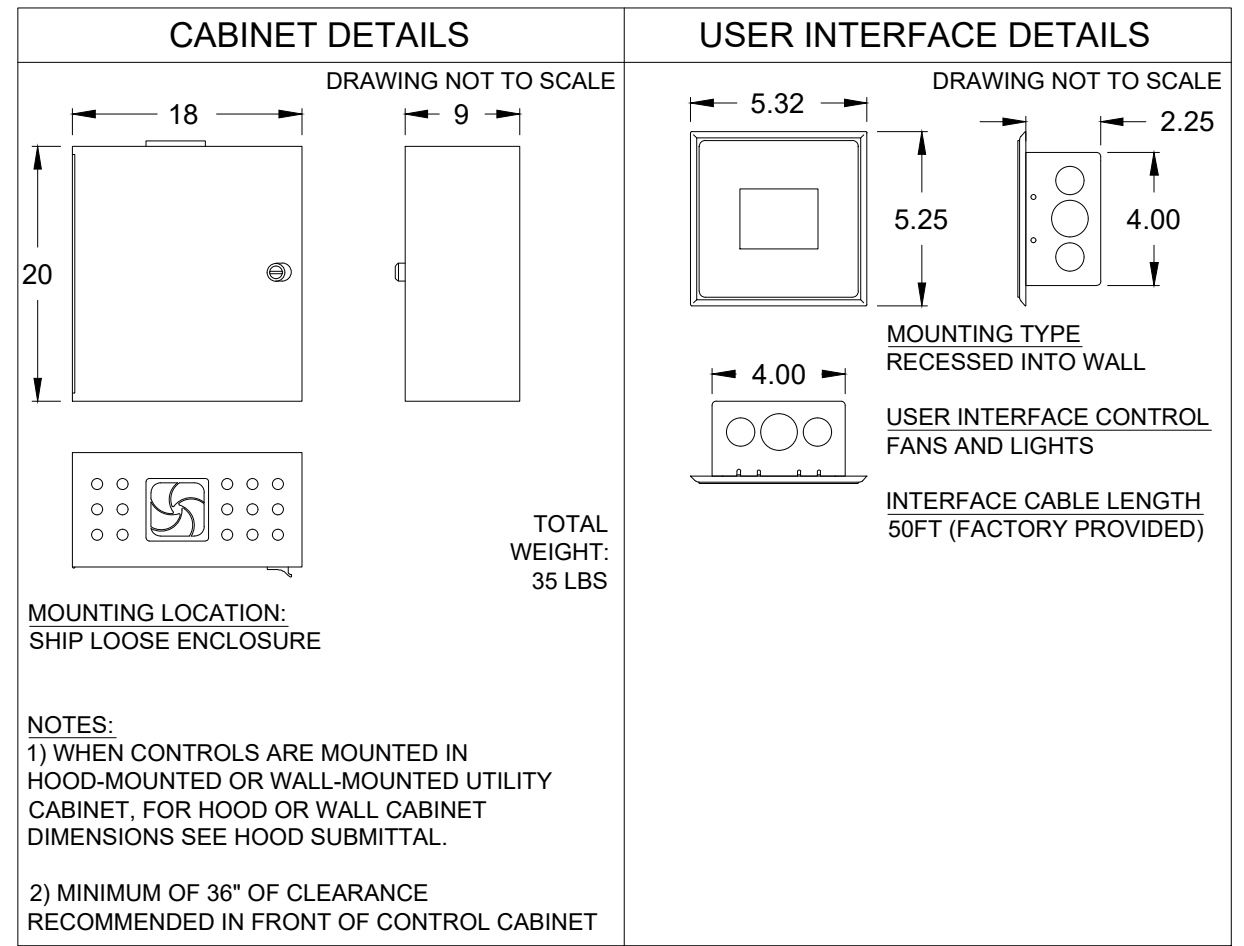
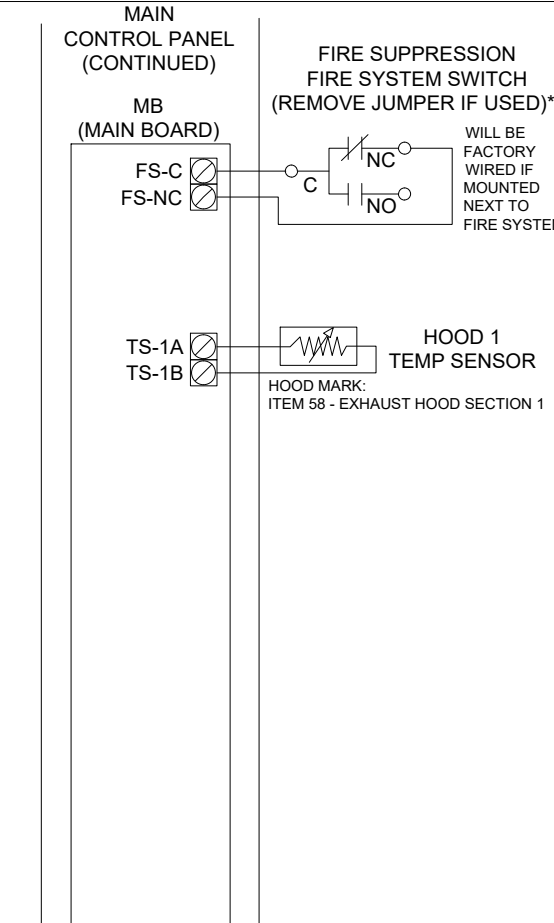
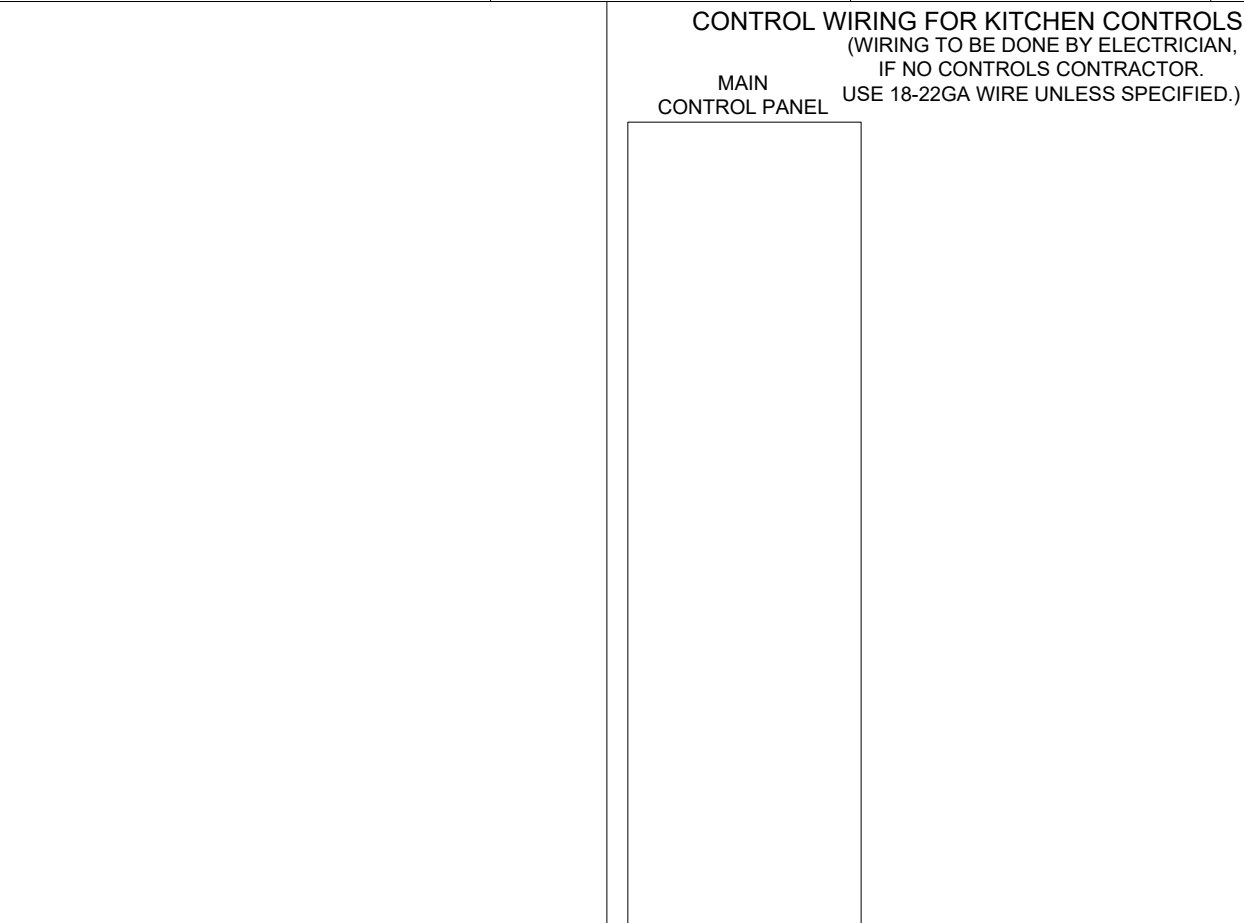
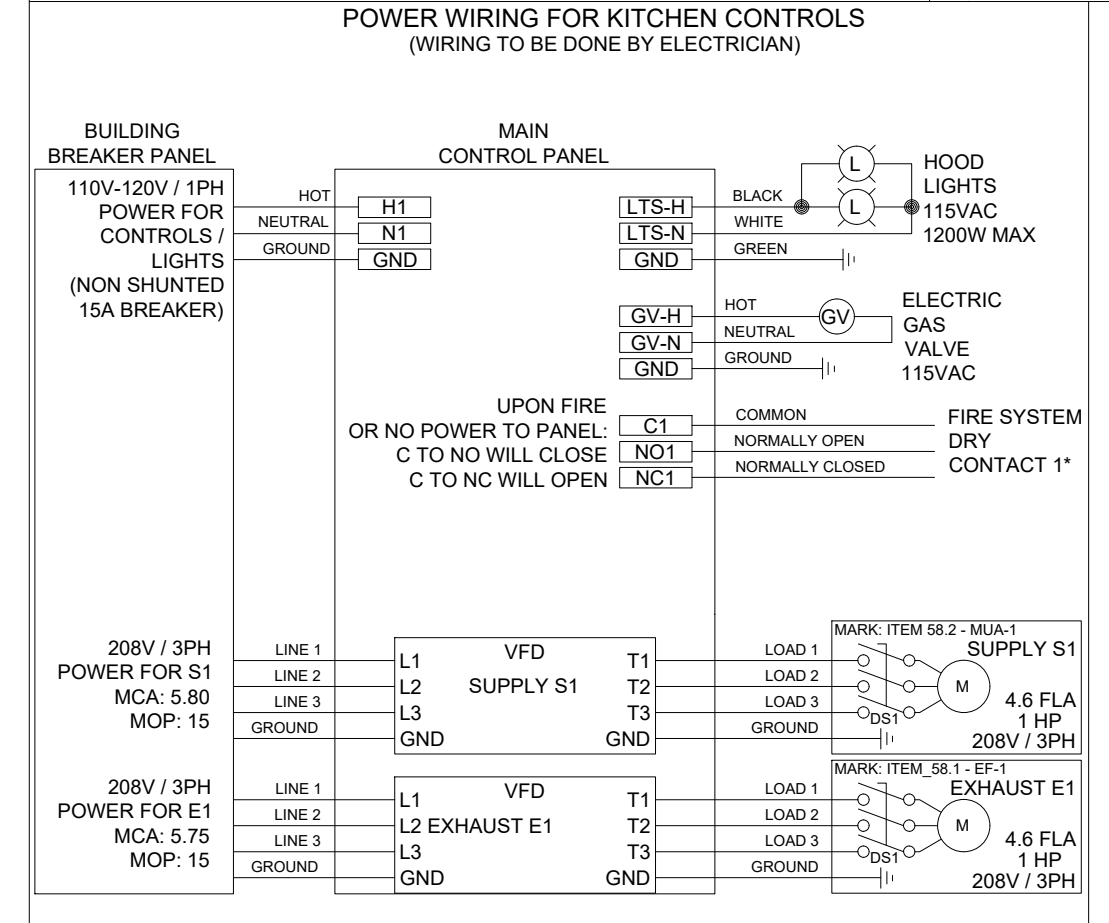
M0.2

CONTROL INFORMATION				ELECTRICAL CONTROL PACKAGE		USER INTERFACE		FANS CONTROLLED							
MARK	MODEL	LOCATION	TYPE	LOCATION	FAN #	TYPE FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
ITEM 58.1 - CONTROLS	XKC-CV-S-11-1-1-0	SHIP LOOSE ENCLOSURE	FULL COLOR TOUCHSCREEN	SHIP LOOSE	1	SUPPLY S1	ITEM 58.2 - MUA-1	1	1360	1	208	60	3	NO	YES
					2	EXHAUST E1	ITEM 58.1 - EF-1	1	1930	1	208	60	3	NO	YES

CONTROL FEATURES
HOOD LIGHT CONTROL
TEMP SENSORS (FACTORY INSTALLED) - QTY. 1
DRY FIRE CONTACTS - QTY. 1
LIGHTS OFF DURING FIRE
EXHAUST MAX DURING FIRE
SUPPLY OFF DURING FIRE
GAS RESET
VFD(S) IN CONTROL PANEL PROVIDED FOR BALANCING



DOC NUMBER: ---- REV: ----
CAUTION
UNIT MUST BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.
ATTENTION
L'APPAREIL DOIT ÊTRE MIS À LA TERRE CONFORMÉMENT AU CODE C.E. L'ALIMENTATION DOIT ÊTRE COUPÉE DURANT L'ENTRETIEN.
COMMERCIAL APPLIANCE OUTLET CENTER
ELECTRICAL RATINGS: 110-240V, 1PHASE, 50-60HZ, 15A
BASE FILE #E200616, ML FILE #E313951
NE PAS RETIRER CES DESSINS DE CET ÉQUIPEMENT SANS INDICATION CONTRAIRE. UTILISER DES CONDUCTEURS EN CUivre CLASSE 10/12. SERRER LES BORNES DE COMMANDE ET DE MISE À LA TERRE À 4.5 LB-PO. SERRER LES COSSÉS DE FALIMENTATION AUX COULÈRES INDICÉES POUR LE COMPOSANT. SERRER LES BORNES À DEUX (2) LA CARTE DE COMMANDE À 3.5 LB-PO. LA RÉSISTANCE DU CÂBLAGE DE COMMANDE LOCAL NE DOIT PAS DÉPASSER 0.75 OHM. POUR PLUS D'INFORMATION, CONSULTEZ LE MANUEL DU PRODUIT #90137-0000.



ZONE CONFIGURATION		ROOM TEMP	
1	Z1	PRESET	

HOOD # HOOD		HOOD MARK	ZONE	EXHAUST	SUPPLY	MB TEMP	SENSORS	HCB
1	H1	ITEM 58 - EXHAUST HOOD SECTION 1	Z1	E1	S1	TS1	NO	

FAN #	TYPE	FAN	FAN MARK	ZONE	MIN CFM	MAX CFM	MOBILUS VFD	VFD ADDRESS	MIN FREQ	MAX FREQ	MIN VDC	MAX VDC
1	SUPPLY	S1	ITEM 58.2 - MUA-1	Z1	-	1360	YES	1	30	60	-	-
2	EXHAUST	E1	ITEM 58.1 - EF-1	Z1	-	1930	YES	2	30	60	-	-

ACCUREX
PROJECT: BRASS TAP_MARINA
DATE: 1/13/2022
MARK: ITEM 58.1 - CONTROLS
ACCUREX SOUTHERN CA & HAWAII
DAVID SPERLING
SOCAL@ACCUREX.COM
(509)430-5326

REVISIONS
△ BUILDING DEPT. - 04/28/22
△ FIRE DEPT. - 04/16/22
△ HEALTH DEPT. - 05/16/22
△ BUILDING DEPT. - 07/18/22

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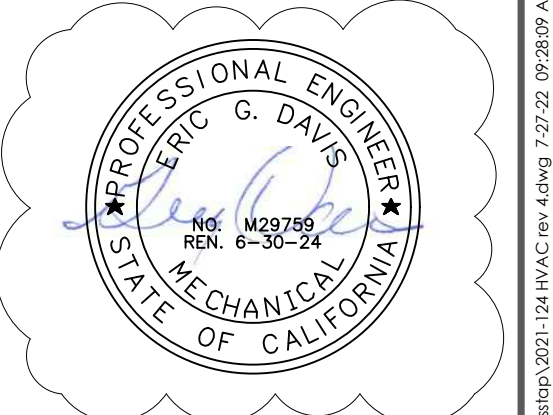
ARCHITECTURE PLUS INC.
4335-B NORTH STAR WAY
MODESTO, CA 95356
ph. 209.577.4661
fx. 209.577.0213
www.apiarc.com

FRANK C. BOOTS
JOSEPH L. SMITH
RODNEY C. ALONZO
ARCHITECTS

BRASS TAP PUB
GENERAL STILWELL DR. & 11TH AVE.
MARINA

ACCUREX DRAWINGS

Reviewed for Code Compliance
08/23/2022
CSG CONSULTANTS, INC.



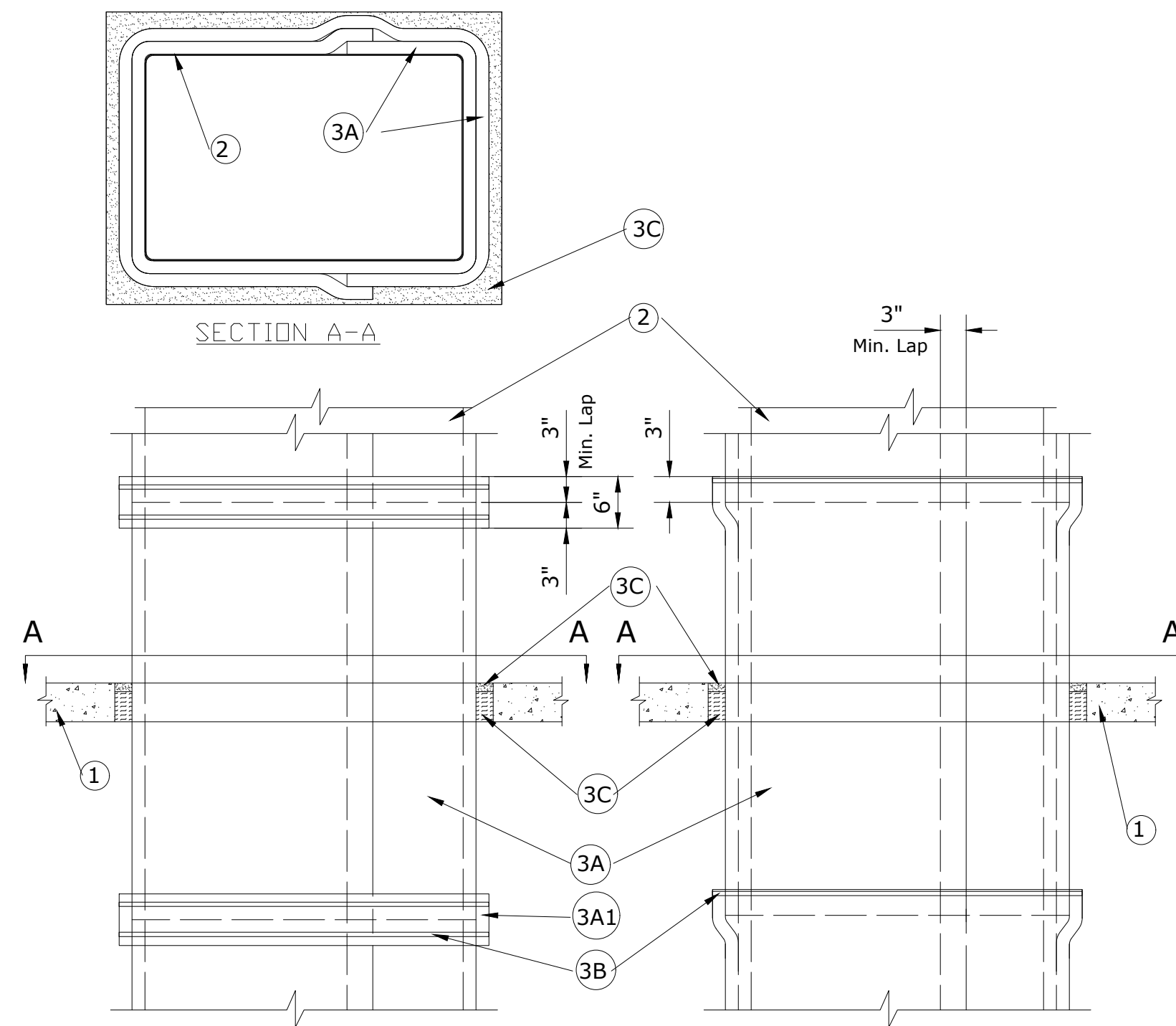
DATE: JULY 2022
JOB NO.: 19040
DRAWN: NR
CHECKED: GD
SHEET:

JOB # 2021-124
GDMD ENGINEERING, INC
Mechanical and Safety Engineers
212 W Pine St, Ste 4
Lodi, Ca 95242
Ph 209-367-0899
Fax 209-367-0898
E-mail: gdmengineering@sbcglobal.net

M0.3

* NOTE
THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 2004 EDITION OF THE UL FIRE RESISTANCE DIRECTORY

Assembly No. V-20
September 20, 2004
Duct A
Stability Rating - 2 Hr
Integrity Rating - 2 Hr
Insulation Rating - 2 Hr
(Ratings applicable for Ventilation Ducts installed without branches)



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. **Floor or Wall Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete floor or min 5-1/4 in. (133 mm) thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks**.

See **Concrete Blocks** (CA2T) category in the Fire Resistance Directory for names of manufacturers.

2. **Steel Air Duct** - Min 0.035 in. (0.9 mm) thick (or heavier) steel duct having a max perimeter of 168 in. (432 m) with max individual dimension of 60 in. (152 m) and constructed in accordance with SMACNA HVAC Duct Construction standards. The sections shall be assembled using bolted flanges or SMACNA approved Transverse Joint Reinforcements. Duct to be rigidly supported in accordance with SMACNA requirement and as specified in Item 4.

3. **Fire Resistive System** - The fire resistive system shall consist of the following:

A. **Batts and Blankets*** - Min 1-1/2 in. (38 mm) thick, totally encapsulated within foil-scrim facers. The steel duct shall be wrapped with two layers of duct wrap installed with 3 in. (76 mm) transverse and longitudinal overlaps or tightly butted transverse joints in accordance with the manufacturer's installation instructions. All cut edges and ends shall be sealed with 3 in. (76 mm) wide pressure sensitive aluminum foil tape.

3M COMPANY - 3M FireBarrier Duct Wrap 15A and 3M FireBarrier Duct Wrap 20A

A1. **Batts and Blankets* - Collars** - Min 1-1/2 in. (38 mm) thick, 6 in. (152 mm) wide collars, totally encapsulated within Folscrium facers. The transverse butt joints shall be wrapped using a collar. The collar shall be centered over each butt joint with a 3 in. (76 mm) longitudinal overlap.

3M COMPANY - 3M FireBarrier Duct Wrap 15A Collars and 3M FireBarrier Duct Wrap 20A Collars

B. **Steel Banding Straps** - Min 1/2 in. (13 mm) wide by 0.015 in. (0.4 mm) thick stainless steel banding straps used in conjunction with min 1 in. (25 mm) long stainless steel crimp clips. Banding straps spaced a max 12 in. (305 mm) OC and 1-1/2 in. (38 mm) from edges of collars.

B1. **Steel Pins** (Not shown) - Min 0.118 in. (3 mm) thick, 4 in. (102 mm) long copper coated steel insulation pins used in conjunction with 1 by 1 in. (25 by 25 mm) square 0.020 in. (0.5 mm) thick, galvanized steel speed clips. Pins spaced max 10 in. (254 mm) max, transversely around the duct and secured to the duct wrap in accordance with the manufacturer's installation instructions.

C. **Firestop System** - When the ventilation duct passes through a fire rated wall or floor assembly, the through openings shall be firestopped in accordance with Through-Penetration Systems No. C-A-7276. See Through Penetration Firestop Systems in Vol. 2 of the Fire Resistance Directory.

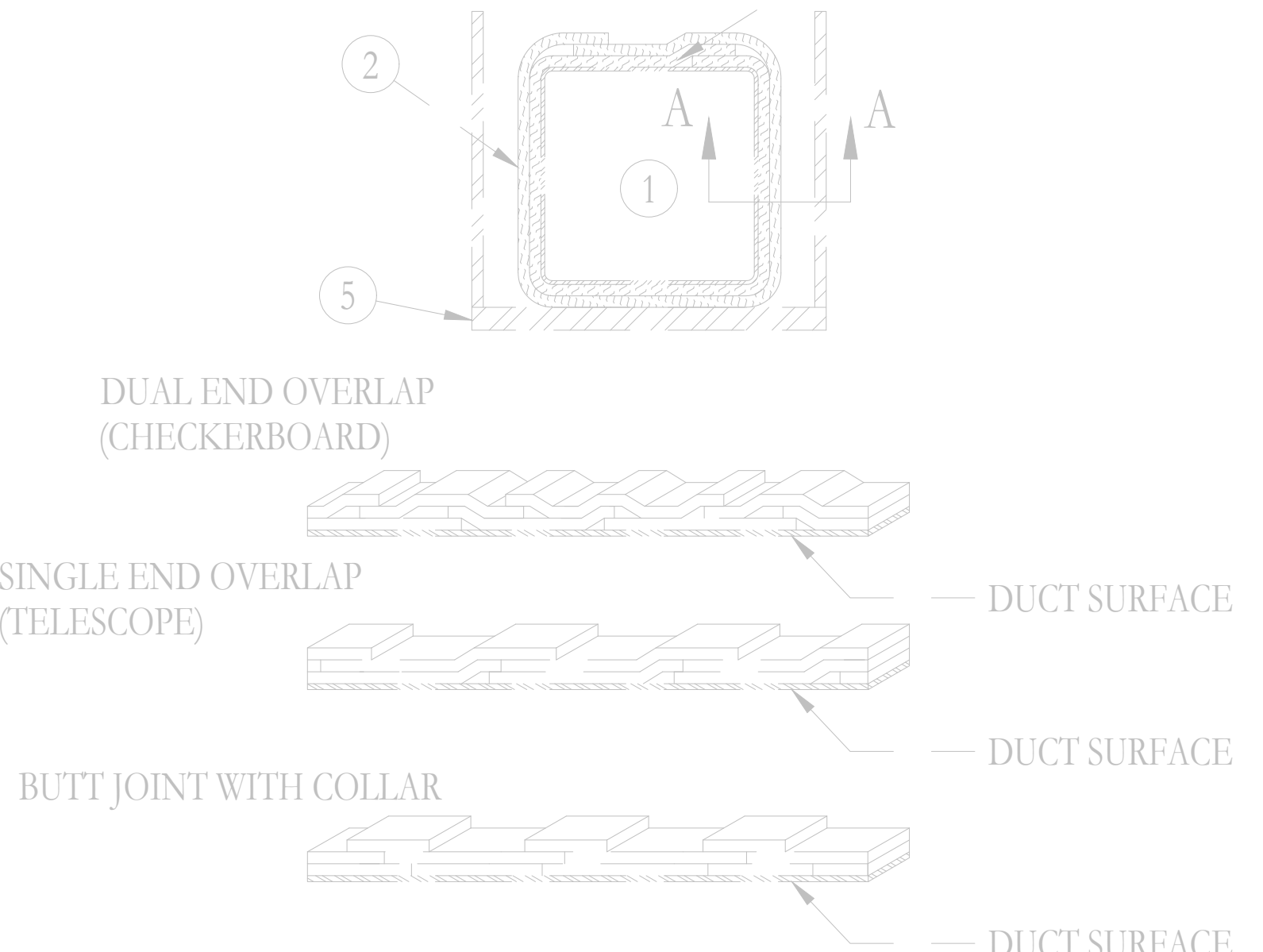
4. **Hanger System** - (Not shown) - No additional protection is required for hanger systems providing that a min 1/2 in. (13 mm) diameter threaded steel hanger rod is used in conjunction with min 3 by 3 by 3/8 in. (76 by 76 by 10 mm) steel angle with steel drop in or wedge expansion type masonry anchors.

*Bearing the UL Classification Mark CONSULT CURRENT INDEPENDENT LABORATORIES (UL, DPL) FOR SYSTEMS OR DESIGN DETAILS

PROJECT	SHT	1 of 1	SIGNATURE	DATE
V20.DWG				
SYSTEM/DESIGN NO.	V-20	DATE		
3M FIRE PROTECTION PRODUCTS				

* NOTE
THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 2002 EDITION OF THE UL FIRE RESISTANCE DIRECTORY

DESIGN NO. VAD 530 F
VENTILATION DUCT PROTECTION
TYPE - DUCT A
STABILITY - 2 HR
INSULATION - 2 HR
INTEGRITY - 2 HR



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

1. **VENTILATION DUCT**: An airtight duct system with horizontal shafts constructed of min. 24 GA sheet steel with a max. 40-in. area and a max. 10-in. width (max. 40-in. wide). When required, equip the duct with a reducer section. Construct the duct using sections affixed to each other with seams. Reinforce the duct to IMC or SMACNA requirements designed for a 2-in. WC underpressure and to carry the weight of the ventilation duct assembly covered with insulation under a fire load equivalent to ISO 834 time-temperature curve. Rigidly support the duct in accordance with IMC or SMACNA requirements or as specified in Item 5. Protect the annular space around the duct passing through a fire rated barrier with a penetration firestop system as detailed in one of the following Designs: FS 563 W, FS 566 W, FS 567 W, FS 568 W, FS 569 W, FS 570 W, FS 571 W, FS 572 W, FS 573 F AND FS 574 F.

2. **INSULATION**: Use two layers of min. 1-1/2-in. thick min. 8-pcf blanket made of mineral wool fibers and fiberglass strands. Wrap the steel duct with two layers of duct wrap installed with 3-in. min. overlaps at all joints. Use blanket that is fully encapsulated, or single faced. Expose the faced side of fully encapsulated or single faced blanket to view on outer layer. All points on the first layer of blanket were overlapped a min of 3 in. (2a). All points on the second layer were overlapped a min of 3 in. Stagger the first and second layer overlaps half the distance from the edge of the first layer or min. 12-in. All cut edges on both layers were covered with min. 4-in. wide pressure sensitive aluminum foil tape. One alternate to the above insulation method includes encapsulating (sometimes called a cocoon wrap) the trapeze cross-member supports and the all-thread steel rods up to the top of the duct system at which point the all-thread rods penetrate the insulation and are un-insulated. Another alternate method would be for the all-thread rods to penetrate the insulation (2) and the insulation (2). After the all-thread rods penetrate the insulation (2), they are un-insulated. Reference: Product Section of the Directory for more details.

Listed Manufacturer:
3M - Insulation - Mineral Wool Blanket
3M Fire Barrier Duct Wrap 15A

3. **FASTENERS**: Use either pins or banding or both. Pinning Option: Weld min. 12 GA, min. 4 in. long, copper-coated steel insulation pins to the duct. Pins shall be located at all longitudinal blanket overlaps on the duct and meet the following requirements. Space pins in rows across the duct max. 8-in. apart. The pins in the longitudinal rows are max. 10 1/2-in. o.c. All overlaps are a minimum of 3-in. for circumferential overlaps going around the duct and do not require pins. The longitudinal overlaps are to be alternated such that no two consecutive overlaps are aligned. The blanket is locked into place over the pins with minimum 1.5 in. x 1.5-in. square, or 1.5-in. diameter round, galvanized steel, speed clips or cap head pins. Insulation pins that extend beyond the outer blanket wrap layer shall be turned down to eliminate sharp edges or the excess length cut off. When banding is used and the ducts are greater than 24-in. wide, install pins at all longitudinal blanket overlaps on the bottom of the duct and meet the following requirements. Space pins in rows across the duct max. 12-in. apart. The pins in the longitudinal rows are max. 10 1/2-in. o.c.

4. **BANDING**: Banding Option: Use min. 1/2-in. wide, 0.015-in. stainless or min. 1/2-in. (0.020-in.) carbon steel bands and secured with minimum 1-in. long stainless steel crimp clamps. The use of filament tape as a temporary hold for the insulation prior to banding to ease installation is permitted. Place the bands a min. 1.5 in. from each blanket edge and a max. of 10.5 in. o.c. Tension the banding material to hold the insulation (2) in place without causing any cutting or damage to the blankets or duct.

5. **SUPPORTS**: Support the insulated duct using one of the following methods. Use a minimum 1-1/2 x 1-1/2 x 1/4-in. steel angle as the trapeze cross-member supports that are connected to min. 3/8-in. all-thread steel rods, which do not have to be insulated. The rods can be placed against the insulation or have a max. clearance from the insulation of 6-in. Space supports a max. 54-in. o.c. Alternate to support methods include encapsulating the trapeze cross-member supports and the all-thread steel rods up to the top of the duct system at which point the all-thread rods penetrate the insulation (2) and are un-insulated.

PAGE	UL SYSTEM NO.
1 OF 1	VAD 530 F
NOT FOR USE AS A CONSTRUCTION DOCUMENT. DRAWING NOT TO SCALE.	

3M Fire Protection Products

- REVISIONS
- △ BUILDING DEPT. - 04/28/22
 - △ FIRE DEPT. - 04/16/22
 - △ HEALTH DEPT. - 05/16/22
 - △ BUILDING DEPT. - 07/18/22

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ARCHITECTURE PLUS INC.
4335-B NORTH STAR WAY
MODESTO, CA 95356

ph. 209.577.4661
fx. 209.577.0213

www.apiarc.com

FRANK C. BOOTS
JOSEPH L. SMITH
RODNEY C. ALONZO
ARCHITECTS

BRASS TAP PUB SW CORNER, GENERAL STILLWELL DR. & 11TH AVE. MARINA

CAPTURED DRAWINGS

Reviewed for Code Compliance
08/23/2022
CSG CONSULTANTS, INC.



DATE:	JULY 2022
JOB NO.:	19040
DRAWN:	NR
CHECKED:	GD
SHEET:	

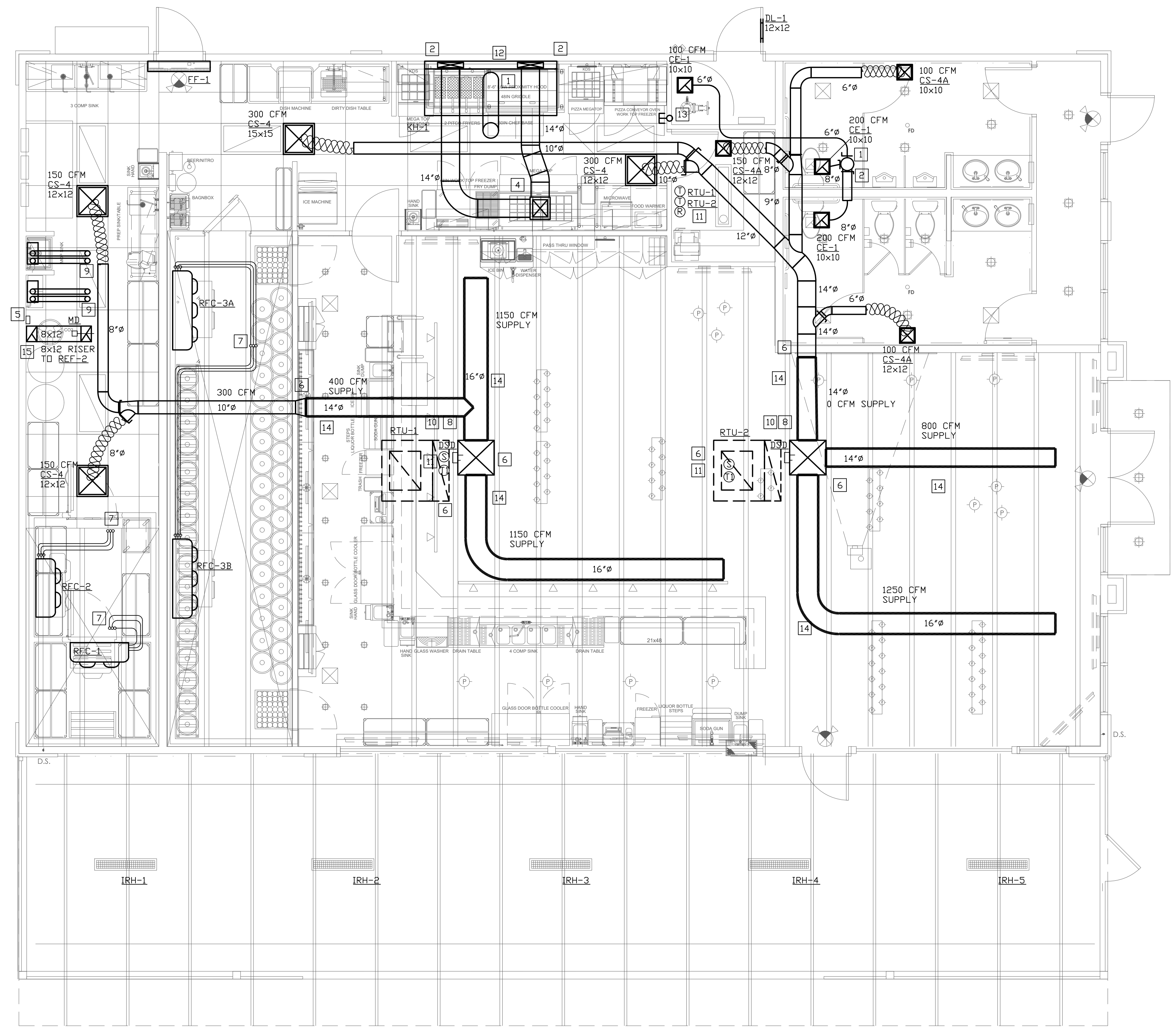
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JOB # 2021-124
GDM ENGINEERING, INC
Mechanical and Safety Engineers
212 W Pine St, Ste 4
Lodi, Ca 95242
Ph 209-367-0899
Fax 209-367-0898
E-mail: gdmengineering@sbgglobal.net

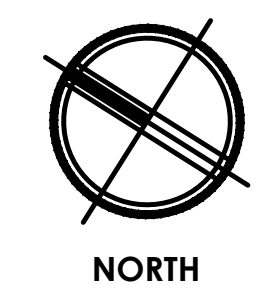
MECHANICAL FLOOR PLAN NOTES

1. 12"Ø EA CONNECTION ON KH-1, BALANCE EA AIRFLOW OF KH-1 TO 1720 CFM.
2. 24x4 MUA CONNECTION ON KH-1, BALANCE MUA AIRFLOW OF KH-1 TO 1360 CFM. RUN 14" SA DUCT FROM MAU TO EACH OPENING.
3. 10"Ø EA RISER TO REF-1 ON ROOF.
4. 14x12 MUA-1 SA DROP, INSTALL 16x16 PLENUM UNDER ROOF PER DETAIL 12/MO. INSTALL DSD ON UNIT AND CONNECT TO HOOD FACP. SET AIRFLOW T 1320 CFM.
5. ANALOX AX60+ CO2 MONITOR MOUNTED 48" AFF ON WALL. CONNECT TO MD-1 AND REF-2. MD 120V WITH SPRING RETURN OPEN MOTOR, BELIMO DR EQUAL.
6. PAINT ALL EXPOSED DUCTWORK SAME COLOR AS BOTTOM OF ROOF DECK - REFER TO ARCHITECTURAL FINISH SCHEDULE FOR PAINT COLORS.
7. REFRIGERANT LINES SIZED PER MANUFACTURERS RECOMMENDATIONS AND 3/4" CONDUIT FROM RCU-1,2,3 THRU ROOF PER DETAIL 8/MO TO REC-1,2,3A,3B.
8. OFFSET SA AND RA PLENUMS IN CURB TO FIT BETWEEN TRUSSES.
9. 4" COMB AIR INTAKE AND 4" FLUE FROM IWH- BELOW - SEE PLUMBING DRAWINGS FOR FLUE AND COMBUSTION AIR MATERIALS, FLUE AND COMBUSTION AIR INSTALLED BY PLUMBER.
10. EXTEND RA PLENUM FULL WIDTH BY 20" DEEP AS SHOWN. LINE PLENUM W/1" SOUND LINER. CUT 30x24 RA OPENING ON TOP OF RA PLENUM AND LINE OPENING W/1/4" HARDWARE CLOTH.
11. FURNISH AND INSTALL INDIVIDUAL T-STATS WITH REMOTE TEMP AND CO2 SENSORS AND DSD RESET PER DETAIL 1/MO RTU-1,2.
12. REFER TO DETAILS FOR HOOD MOUNTING DETAILS - INSTALL ANGLES ON WALL PER THE DETAILS TO MATCH HOOD HANGER LOCATIONS.
13. FIRE EXTINGUISHER AND ANSUL PULL STATION - REFER TO ARCH DWGS FOR MOUNTING HEIGHTS.
14. ALL EXPOSED DUCT SHALL BE FABRIC DUCTSDX.
15. 8x12 EA DUCT TO 12" AFF. LEAVE EA DUCT END OPEN W/1/4" HARDWARE CLOTH LINER.

AIR BALANCE SCHEDULE	
EXHAUST AIR	
REF-1	550
REF-2	500
KHF-1	1700
TOTAL EXHAUST AIR	2750
MAKE UP AIR	
RTU-1	695
RTU-2	695
MAU-1	1360
TOTAL MAKEUP AIR	2750



1 MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"



- REVISIONS
- △ BUILDING DEPT. - 04/28/22
 - △ FIRE DEPT. - 04/16/22
 - △ HEALTH DEPT. - 05/16/22
 - △ BUILDING DEPT. - 07/18/22

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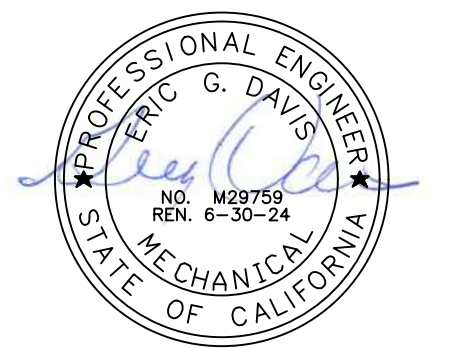
ARCHITECTURE PLUS INC.
4335-B NORTH STAR WAY
MODESTO, CA 95356
ph. 209.577.4661
fx. 209.577.0213
www.apiarc.com

JOSEPH L. SMITH
RODNEY C. ALONZO
ARCHITECTS

BRASS TAP PUB
SW CORNER, GENERAL STILLWELL DR. & 11TH AVE.
MARINA

MECHANICAL FLOOR PLAN

Reviewed for Code Compliance
06/23/2022
CSG CONSULTANTS, INC.



DATE: JULY 2022
JOB NO.: 21062
DRAWN: NR/GD
CHECKED: GD
SHEET:

GDM ENGINEERING, INC
Mechanical and Safety Engineers
212 W Pine St, Ste 4
Lodi, Ca 95242
Ph 209-367-0899
Fax 209-367-0898
E-mail: gdmengrinc@sbcglobal.net

M1

- REVISIONS
- △ BUILDING DEPT. - 04/28/22
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JOSEPH L. SMITH
RODNEY C. ALONSO
ARCHITECTS

CA

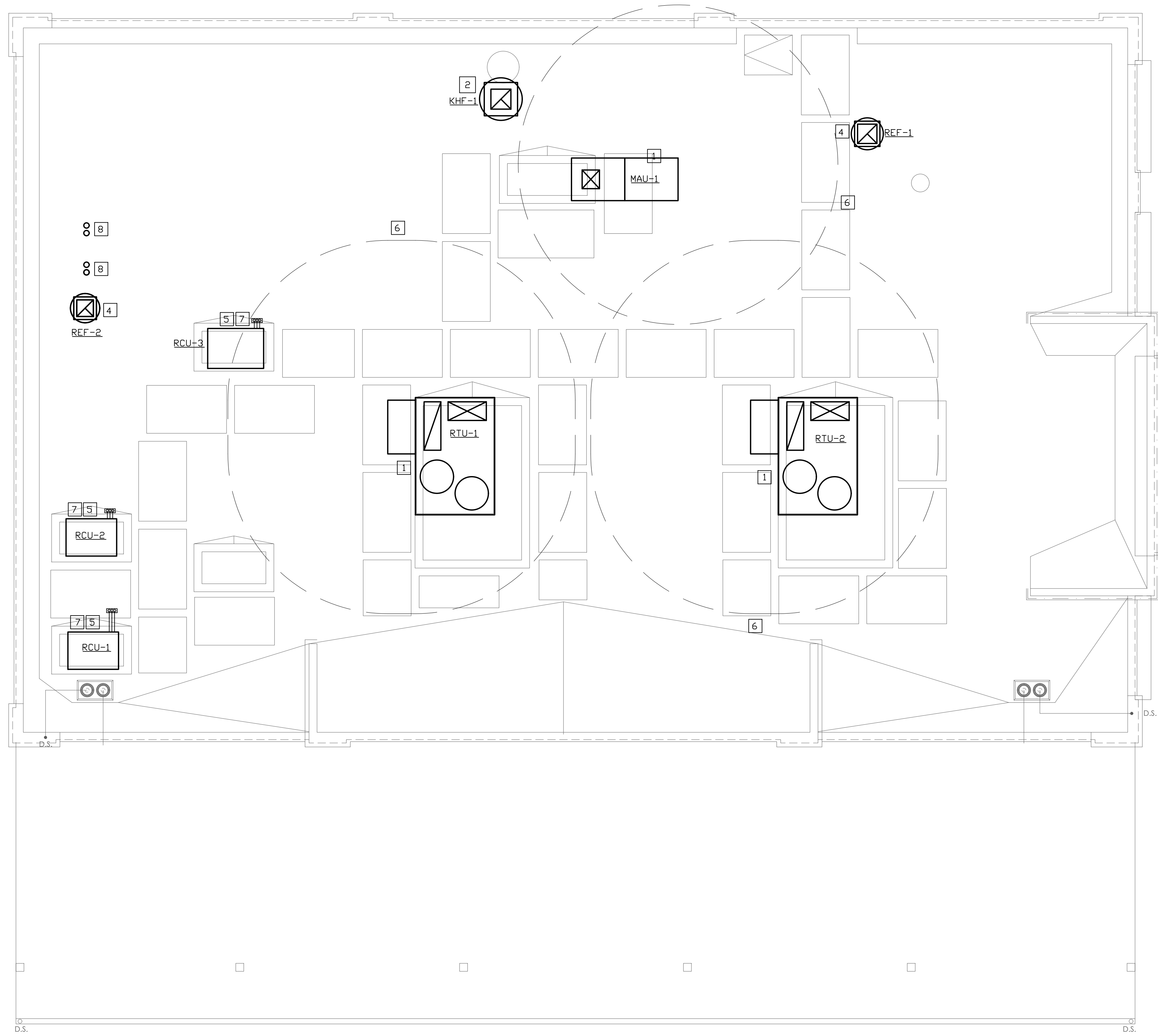
BRASS TAP PUB
SW CORNER, GENERAL STILLWELL DR. & 11TH AVE.

MARINA

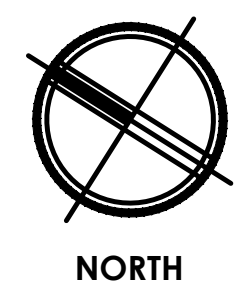
MECHANICAL ROOF PLAN NOTES

1. INSTALL MAU- PER DETAIL 2/M0.1.
2. INSTALL KHF- PER DETAIL 1/M0.1.
3. INSTALL RTU- PER DETAIL 11/M0.
4. INSTALL REF- PER DETAIL 9/M0.
5. INSTALL RCU- PER DETAIL 10/M0.
6. KEEP ALL EA TERMINATIONS, PLUMBING VENTS, FLUES, ETC. 10'-0" MIN. AWAY FROM ALL DSA INTAKES.
7. REFRIGERANT LINES SIZED PER MANUFACTURERS RECOMMENDATIONS AND 3/4" CONDUIT FROM RCU-L2,3 THRU ROOF PER DETAIL 8/M0 TO RFC-L2,3A,3B.
8. 4" COMB AIR INTAKE AND 4" FLUE FROM IWH- BELOW - SEE PLUMBING DRAWINGS FOR FLUE AND COMBUSTION AIR INSTALLED BY PLUMBER.

AIR BALANCE SCHEDULE	
EXHAUST AIR	
REF-1	550
REF-2	500
KHF-1	1700
TOTAL EXHAUST AIR	2750
MAKE UP AIR	
RTU-1	695
RTU-2	695
MAU-1	1360
TOTAL MAKEUP AIR	2750



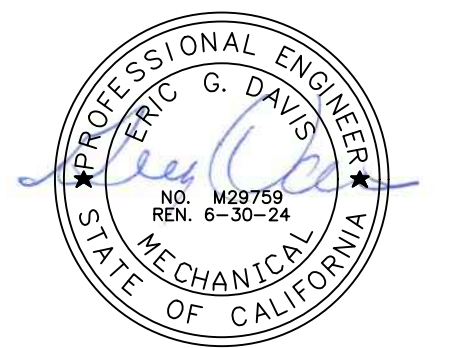
1 MECHANICAL ROOF PLAN
SCALE: 1/4" = 1'-0"



GDM ENGINEERING, INC
Mechanical and Safety Engineers
212 W Pine St, Ste 4
Lodi, Ca 95242
Ph 209-367-0899
Fax 209-367-0898
E-mail:gdmengrinc@sbcglobal.net

MECHANICAL ROOF PLAN

Reviewed for Code Compliance
08/23/2022
CSG CONSULTANTS, INC.



DATE : JULY 2022
JOB NO. : 21062
DRAWN : NR/GD
CHECKED : GD
SHEET :

M2