



# ADDENDUM 001

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<b>project</b>	Kearns Oquirrh PFC Improvements	<b>project no</b>	18745.00
<b>date</b>	2019-02-04	<b>no. pages</b>	
<b>owner</b>	Kearns Improvement District		
<b>contractor</b>			
<b>bid date</b>	2019-02-12	<b>bid time</b>	3:00 pm MST

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This Addendum shall be considered part of the Contract Documents and Project Manual for the above mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents and Project Manual, the Addendum shall govern and take precedence.

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## general

1.1 Please be certain to see the attached addendum from Electrical and Mechanical consultants.

The Electrical Addendum consists of changes on four pages:

EE001

EL101

EP101

EP601

The mechanical addendum consists of changes on one page and two drawing pages:

ME101

ME601

Thanks

**End of Addendum 001**

**Electrical Addendum No. 1**

**REVISION TO ELECTRICAL DRAWING**

**Sheet EE001:**

1. Add the attached revised light fixture schedule.

**Sheet EL101:**

1. The 2X2 light fixtures in the restrooms shall be type T-6.
2. Provide remote drivers for T-5 type light fixtures install the driver inside the building in accessible ceiling area.
3. Provide two toggle override switches for T-1 type light fixtures on the wall near the entrance. One for the lights along grid line B and lights along grid line 2.8 (total of 8 lights) and another for the rest of the 2X2 lights (total 6 lights), furnish and install additional power packs as required. See attached revised lighting plan for more information.

**Sheet EP101:**

1. Add a circuit breaker type disconnect as shown on the attached revised power single line diagram inside the building to feed the new 45kva transformer, install it on the wall near the main entrance.

**Sheet EP601:**

1. Add the attached revised Power Single Line Diagram.
2. Branch panel "A" shall be provided with NEMA3 type enclosure.
3. In panel "A" all circuits feeding electrical loads in the kitchen shall have ground fault protection at the outlet if not the circuit breaker feeding them shall be provided with ground fault protection including circuit breakers for 208 single phase circuits.

RECEPTACLES SYMBOL LIST

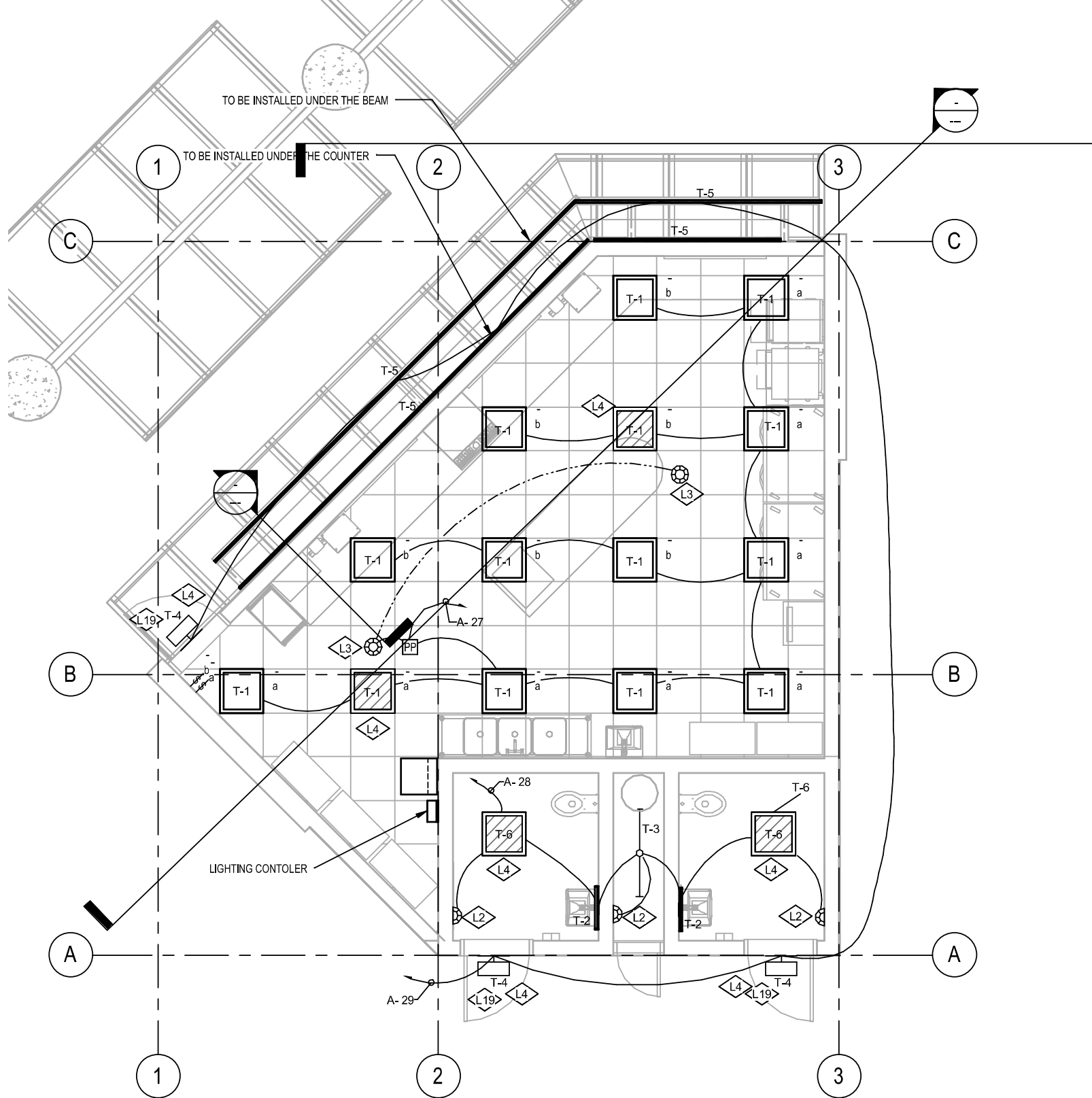
SYMBOL	DESCRIPTION
	DUPLEX CONVENIENCE OUTLET - 20 AMP
	DUPLEX CONVENIENCE USB OUTLET - 20 AMP
	DUPLEX CONVENIENCE OUTLET - 20 AMP GROUND FAULT INTERRUPTER
	4-PLEX CONVENIENCE OUTLET - 20 AMP
	DUPLEX CONVENIENCE OUTLET - 20 AMP ELECTRIC WATER COOLER
	SPECIAL PURPOSE SINGLE PHASE OUTLET. PROVIDE CONDUCTORS TO MEET OR EXCEED THE AMPACITY OF THE OUTLET PER NEC 310-16, USE 75 DEGREE C COLUMN.
	SPECIAL PURPOSE THREE PHASE OUTLET. PROVIDE CONDUCTORS TO MEET OR EXCEED THE AMPACITY OF THE OUTLET PER NEC 310-16, USE 75 DEGREE C COLUMN.
	FLUSH FLOOR OUTLET BOX
	JUNCTION BOX - SIZE AND FUNCTION AS REQUIRED

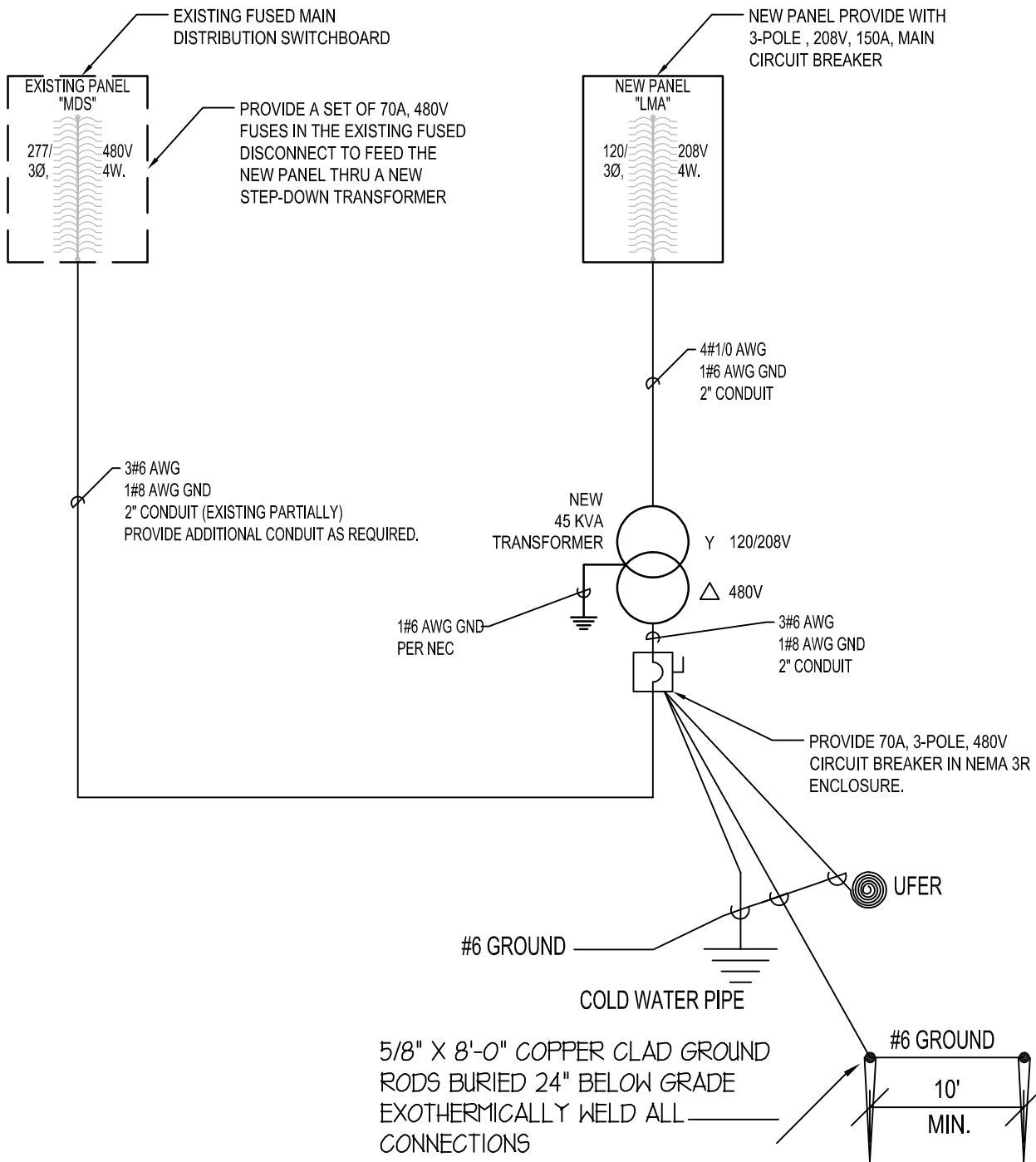
WORKING LIGHT FIXTURE SCHEDULE

CH	Description	Count	Voltage	Apparent Load	Lamp	Lumens	Color Temp.	Mounting	MANUFACTURER 1	Schd - Catalog Number 1	MANUFACTURER 2	CATALOG NUMBER 2	MANUFACTURER 3	CATALOG NUMBER 3	MANUFACTURER 4	CATALOG NUMBER 4	MANUFACTURER 5	CATALOG NUMBER
T-1	2X2 LED RECESSED LIGHT FIXTURE, SUITABLE FOR FOOD PREP AREA PROVIDE WITH 0.125 ACRYLIC LENS.NFS RAT3ED.	14		61 VA		6,500			HE WILLIAMS	MCTG-22-L65/840-CS-S-AF12125-DIM-UNV	KURTZON	FP R 7 2X2 3/LEDR 840 UNV	FAIL SAFE	CLM-XX-24-2-INS-A12 25-LD4-4STD-40-UNV-EDD				
T-2	4' LED WALL MOUNTED LIGHT FIXTURE ACRYLIC FROSTED LENS, WALL BRACKETS	2		61 VA	LED	5,500			HE WILLIAMS	75R-4-L50/840-DIM-UNV	LITHONIA	ZL1D L48 5000 LM FST MV 40K 80 CRI WH	METALUX	4SNLED-LD5-56SL-LW-UNV-L840-CD1-U				
T-3	4' LED STRIP LIGHT FIXTURE ACRYLIC FROSTED LENS, CHAIN HANG	1		44 VA		5,500			HE WILLIAMS	75R-4-L50/840-VBY-2-DIM-UNV	LITHONIA	ZL 1D L48 5000 LM FST MV 40K 80 CRI WH	METALUX	4SNLED-LD5-56SL-LW-UNV-L840-CD1-U AYC-CHAIN/SET				
T-4	LED WALL MOUNTED FIXTURE SUITABLE FOR OUTDOOR USE PROVIDE STAINLESS STEEL HARDWARE PROVIDE REMOTE EMERGENCY BATTERY PACK	3		70 VA		6,000			HE WILLIAMS	VWPH-L60/740-T3-DBZ-SDGL-EM/4W-DIM-UNV	LITHONIA	WST LED P3 40K VW MV E23WHR DDBXD	McgRAW-EDISON	GWC-AF-01-LED-E1-T3-SCBA				
T-5	LED WALL STRIP FROSTED LENS, ALUMINUM RAILING VERIFY EXACT LENGTHS 411 LM/FT, 4.4 WATTS/FT	4		4 VA		411			NOVA FLEX	NF/SP/DS/W/160/24V/410/NF-CH-1612-1M/2M	KELVIX	DK41K-WR-24V/FML-2-C-6/CH228N-2-FR-CP-EC/ULV36	Q-TRAN	SW24/5.0-DMP-40-XX-XX-XX SLIM				
T-6	SAME AS T-1 EXCEPT SUITABLE FOR GYP BOARD CEILING, PROVIDE FLANGE. NFS RATING IS NOT REQUIRED.	2		51 VA		4,800			HE WILLIAMS	MCTF-22-L65/840-CS-S-AF12125-DIM-UNV	LITHONIA	2GTL 2 48 GZ10 LP840/DGA22	METALUX	22GR-LD5-70-F125INV ERT-UNV-L840-CD1-U				

NOTES:

- ALL LED LAMPS SHALL HAVE 4000 DEGREE COLOR TEMPERATURE UNLESS INDICATED OTHERWISE.
- CONTRACTOR TO VERIFY ALL LIGHTING VOLTAGES PRIOR TO RELEASE OF THE LIGHT FIXTURES.
- THE WRITTEN CRITERIA OF THE FIXTURES DESCRIPTION TAKES PRECEDENCE OVER THE CATALOG NUMBER
- ALL LED LIGHT FIXTURES SHALL HAVE 5 YEARS WARRANTY WITH 1 YEAR PARTS AND LABOR.
- FIELD VERIFY QUANTITY AND LENGHT OF LIGHT FIXTURES.





## PARTIAL POWER SINGLE LINE DIAGRAM

SCALE: N.T.S.

# ADDENDUM

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Project Name: Kearns Oquirrh PFC Improvements

Addendum No.: 1

WHW Project # 18139

Date: 02.01.2019

From: WHW Engineering Inc  
8619 S Sandy Parkway Suite 101  
Sandy, Utah 84070  
Phone (801) 466-4021 Fax (801) 466-8536

To: Nick Weber

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This Addendum forms and becomes a part of the Contract Documents and modifies the original Bidding Documents dated 01-18-2019 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of 1 page and 2 drawing sheets.

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**I - CHANGES TO PRIOR ADDENDA: N/A**

**II - CHANGES TO BIDDING REQUIREMENTS: N/A**

**III - CHANGES TO AGREEMENT & OTHER CONTRACT FORMS: N/A**

**IV – CHANGES/CLARIFICATIONS TO CONDITIONS OF THE CONTRACT: N/A**

**V - CHANGES/CLARIFICATIONS TO SPECIFICATIONS: N/A**

**VI - CHANGES/CLARIFICATIONS TO DRAWINGS:**

- Item VI-1.** ME101: Duct layout has been redesigned to coordinate with structural. Rooftop unit location shifted slightly and was rotated 90°. Relocated supply diffusers and return grille. Exhaust duct up through roof location shifted slightly.
- Item VI-1.** ME601: Exhaust fan model number change, electrical demands increased slightly. R-1 return grille changed to 24"x12".

## PRIOR APPROVALS

THE FOLLOWING ITEMS, AS SUBMITTED, ARE CONSIDERED, IN GENERAL AND IN NAME ONLY, AS EQUAL TO THOSE ITEMS SPECIFIED. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR OR SUPPLIER OF THE RESPONSIBILITY OF CONFORMING TO THE DRAWINGS AND SPECIFICATIONS, NOR DOES IT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS FOR COORDINATION WITH OTHER TRADES. ALL DIMENSIONS SHALL BE CONFIRMED AND CORRELATED AT THE JOBSITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND THE SUITABILITY OF "EQUAL" PRODUCTS FOR THE SPECIFIED APPLICATION.

### Description

### Manufacturer

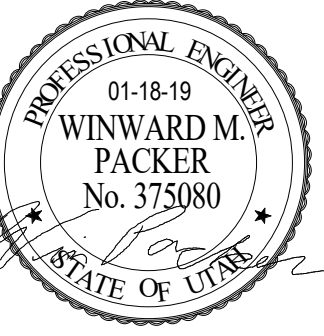
Test & Balance

Diamond

**SHEET NOTES**

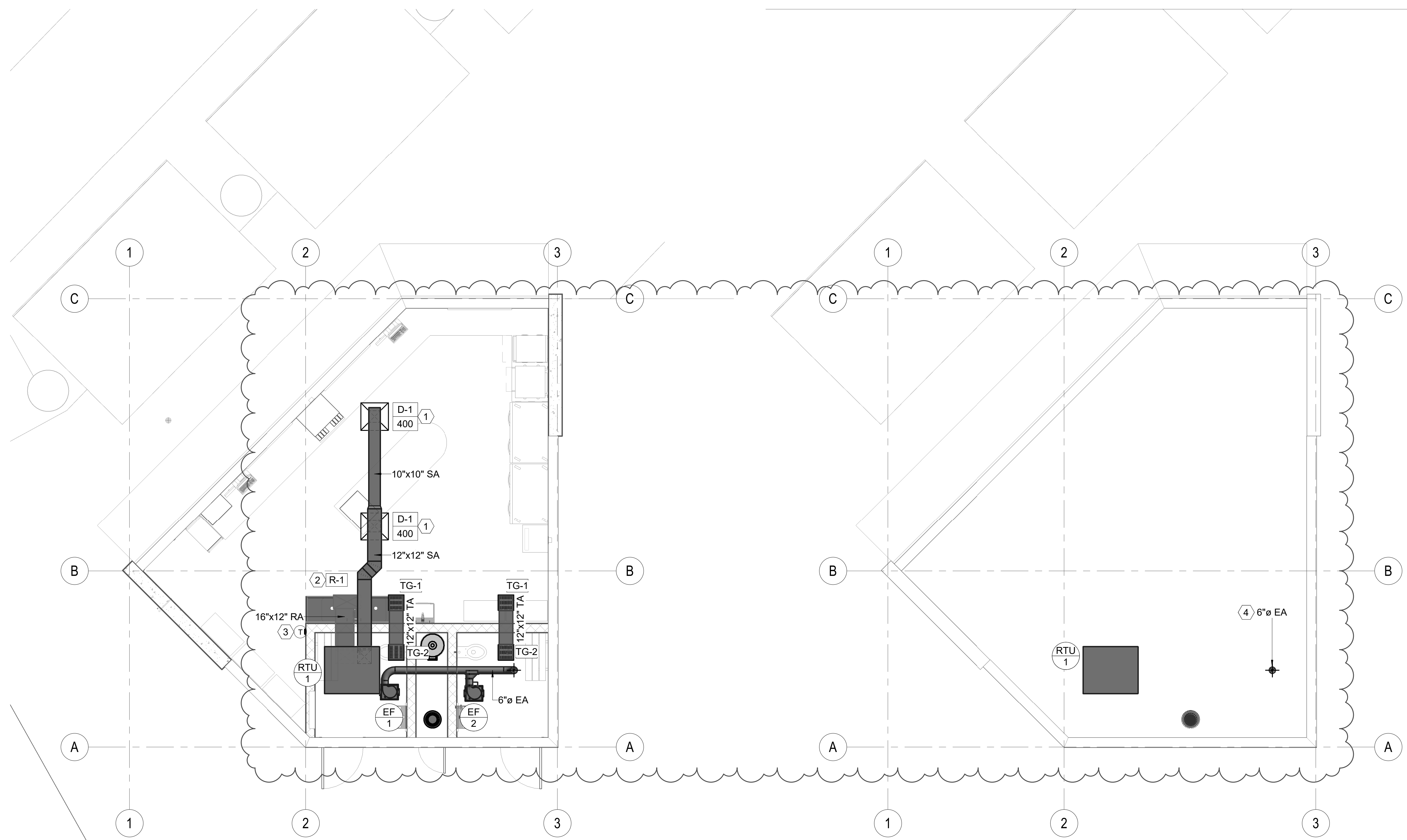


- 1 PROVIDE NEW LAY-IN TILE SUPPLY AIR DIFFUSER IN THIS LOCATION. PROVIDE BALANCING DAMPER AND BALANCE AIRFLOW TO SPECIFIED CFM.
- 2 PROVIDE NEW LAY-IN TILE RETURN GRILLE. SEE SCHEDULES.
- 3 PROVIDE 7 DAY PROGRAMMABLE THERMOSTAT IN THIS APPROXIMATE LOCATION.
- 4 PROVIDE EXHAUST DUCT UP THROUGH ROOF WITH WEATHER TIGHT CAP.



REV	DATE	DESCRIPTION
1	02-01-19	ADDENDUM #1

VCBO NUMBER:	18745.00
CLIENT NUMBER:	00000
DATE:	2019.01.18



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

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

**KEARNS OQUIRRH PFC IMPROVEMENTS**

Patti M. Hansen  
6332 South Airport Road  
West Jordan, UT 84084  
CONSTRUCTION DOCUMENTS

ROOF TOP UNIT SCHEDULE																			
TAG		HEATING			COOLING			ELECTRICAL							SEER (3-5 TON) EER (7.5+ TON)		OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#	CFM	ESP	INPUT (BTU/HR)	OUTPUT (BTU/HR)	EAT (DB)	EAT (WB)	TOTAL LOAD (BTU/HR)	VOLTAGE	PHASE	FREQUENCY	# OF COMPRESSORS	MCA	MOCP	12	470 lb	TRANE 4TCC4024A1000A	1,2,3,4,5,6	
RTU	1	800 CFM	0.5 in-wg	6 kW	20,500 Btu/h	80 °F	62 °F	24600 Btu/h	208 V	1	60 Hz	1	44 A	45 A					

1. RATED MINIMUM INPUT AT SEA LEVEL.
2. PROVIDE ONE 15 AMP, 120 VOLT, DUPLEX GFCI SERVICE OUTLET. FACTORY INSTALLED, FIELD WIRED.
3. ESP DOES NOT INCLUDE LOSSES THROUGH ACCESSORIES.
4. BELT DRIVE UNIT.
5. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
6. PROVIDE WITH 6kW ELECTRIC HEATER AND SINGLE CIRCUIT POWER KIT.

EXHAUST FAN SCHEDULE													
TAG		AREA SERVED	CFM	ESP	ELECTRICAL			RPM	WATTS	SONES	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#				VOLTAGE	PHASE	FREQUENCY						
EF	1	RESTROOM	75 CFM	0.40 in-wg	120 V	1	60 Hz	1075	39 W	2	20 lb	COOK GC-148	1
EF	2	RESTROOM	75 CFM	0.40 in-wg	120 V	1	60 Hz	1075	39 W	2	20 lb	COOK GC-148	1

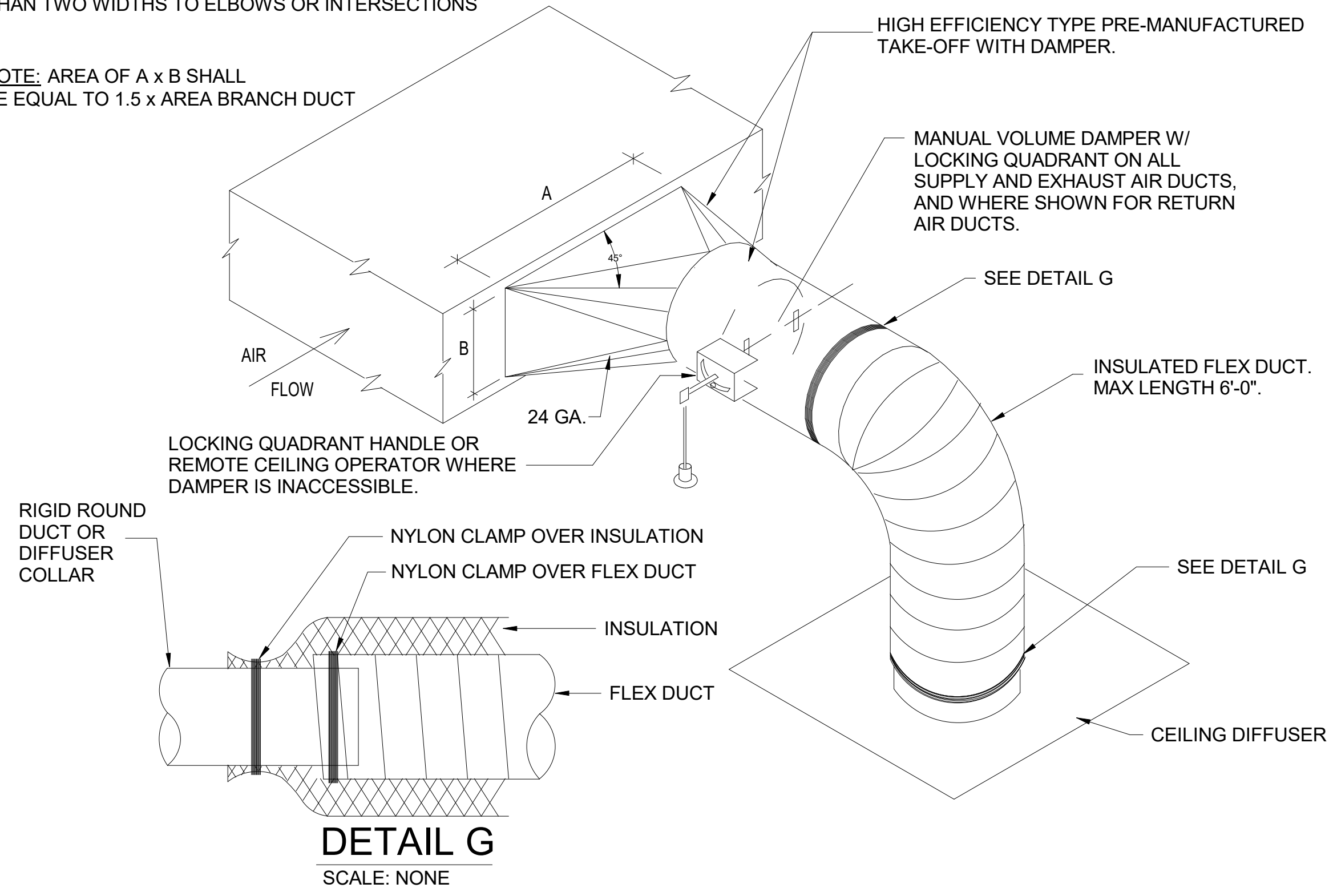
1. RUN CONTINUOUSLY DURING OCCUPIED HOURS.

DIFFUSER AND GRILLE SCHEDULE													
TAG	MAX FLOW	FACE SIZE		NECK SIZE		CEILING TYPE	BLOW PATTERN	THROW @ 50 FPM	MAX NC	MANUF & MODEL	SCHEDULE NOTES		
		LENGTH	WIDTH	LENGTH/DIAMETER	WIDTH								
D-1	450 CFM	24"	24"	10"	0"	LAY-IN	4 WAY	11'	25	PRICE SPD	1,3,4		
R-1	800 CFM	24"	12"	24"	12"	LAY-IN	N/A	0'	25	PRICE 535	2,3,4		
TG-1	0 CFM	12"	12"	12"	12"	LAY-IN	N/A	0'	25	PRICE 535	2,3,4		
TG-2	0 CFM	12"	12"	12"	12"	HARD	N/A	0'	25	PRICE 535	2,3,4		

1. SHALL BE PRICE SPD OR APPROVED EQUAL.
2. SHALL BE PRICE 535 OR APPROVED EQUAL.
3. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
4. FINISH SHALL BE SPECIFIED BY ARCHITECT.

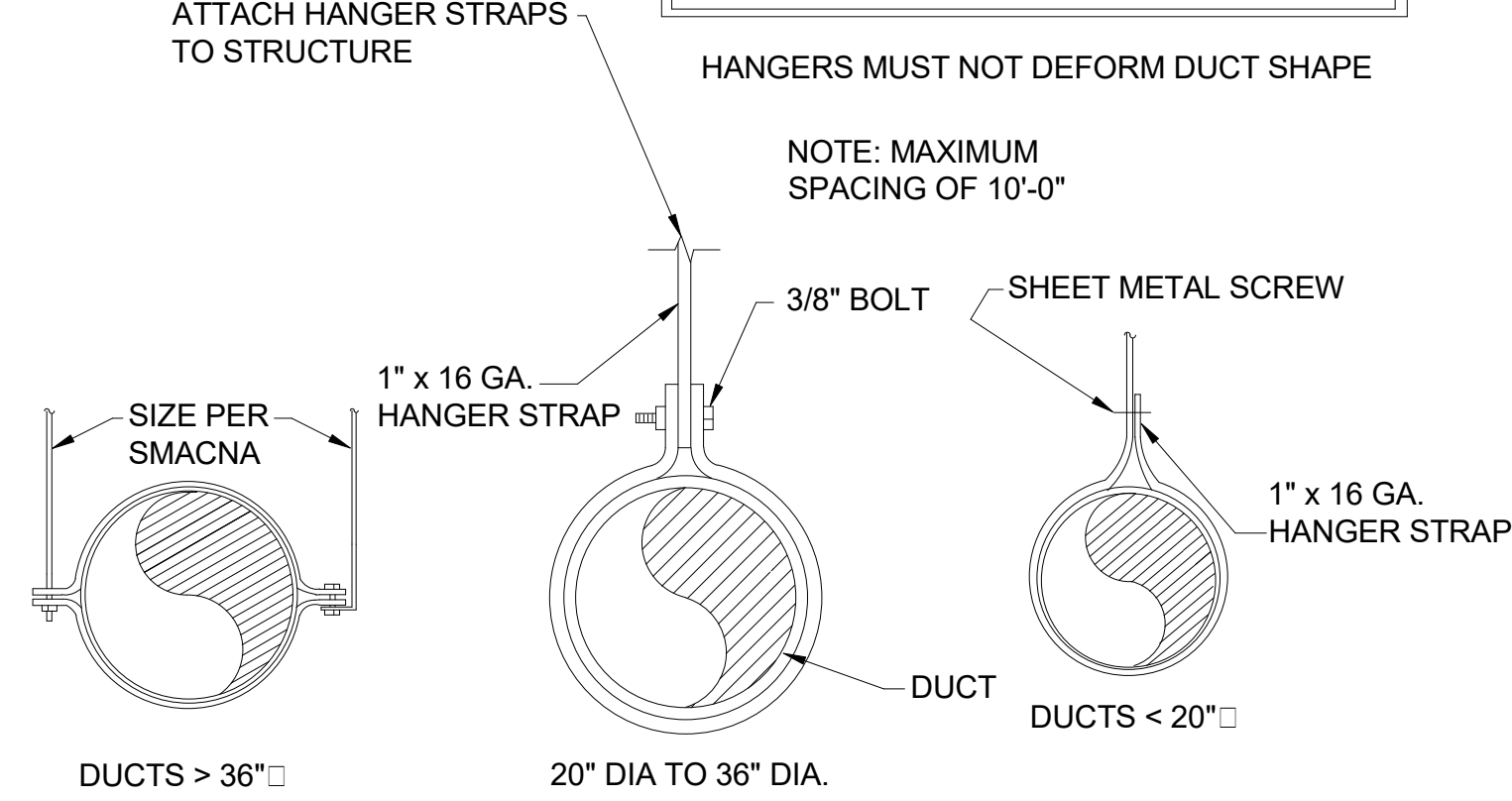
NOTE: TAKE-OFFS SHOULD NOT BE INSTALLED CLOSER THAN TWO WIDTHS TO ELBOWS OR INTERSECTIONS

NOTE: AREA OF A x B SHALL BE EQUAL TO 1.5 x AREA BRANCH DUCT

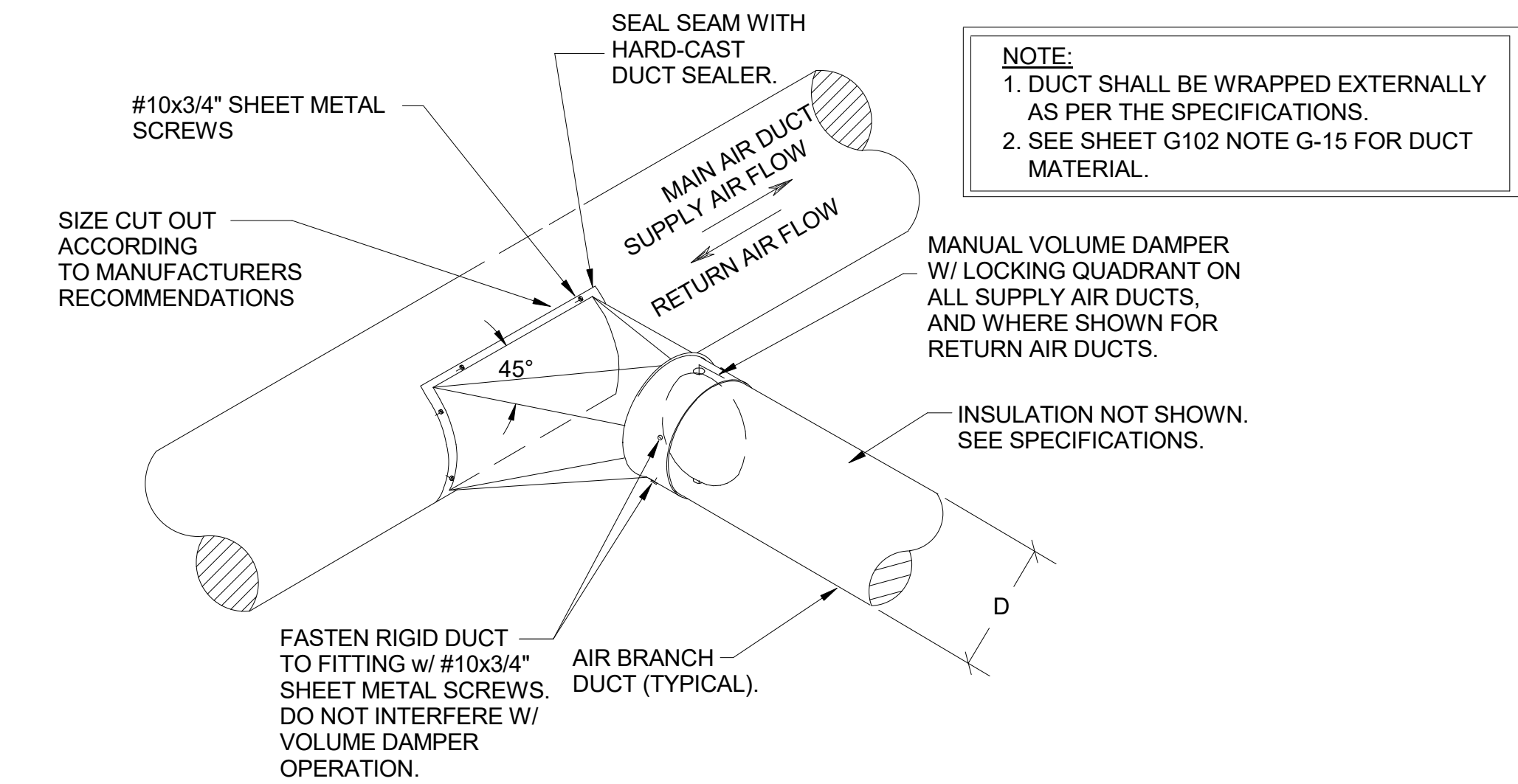


**C1** SQUARE-TO-ROUND TAKE-OFF DETAIL  
SCALE: NONE

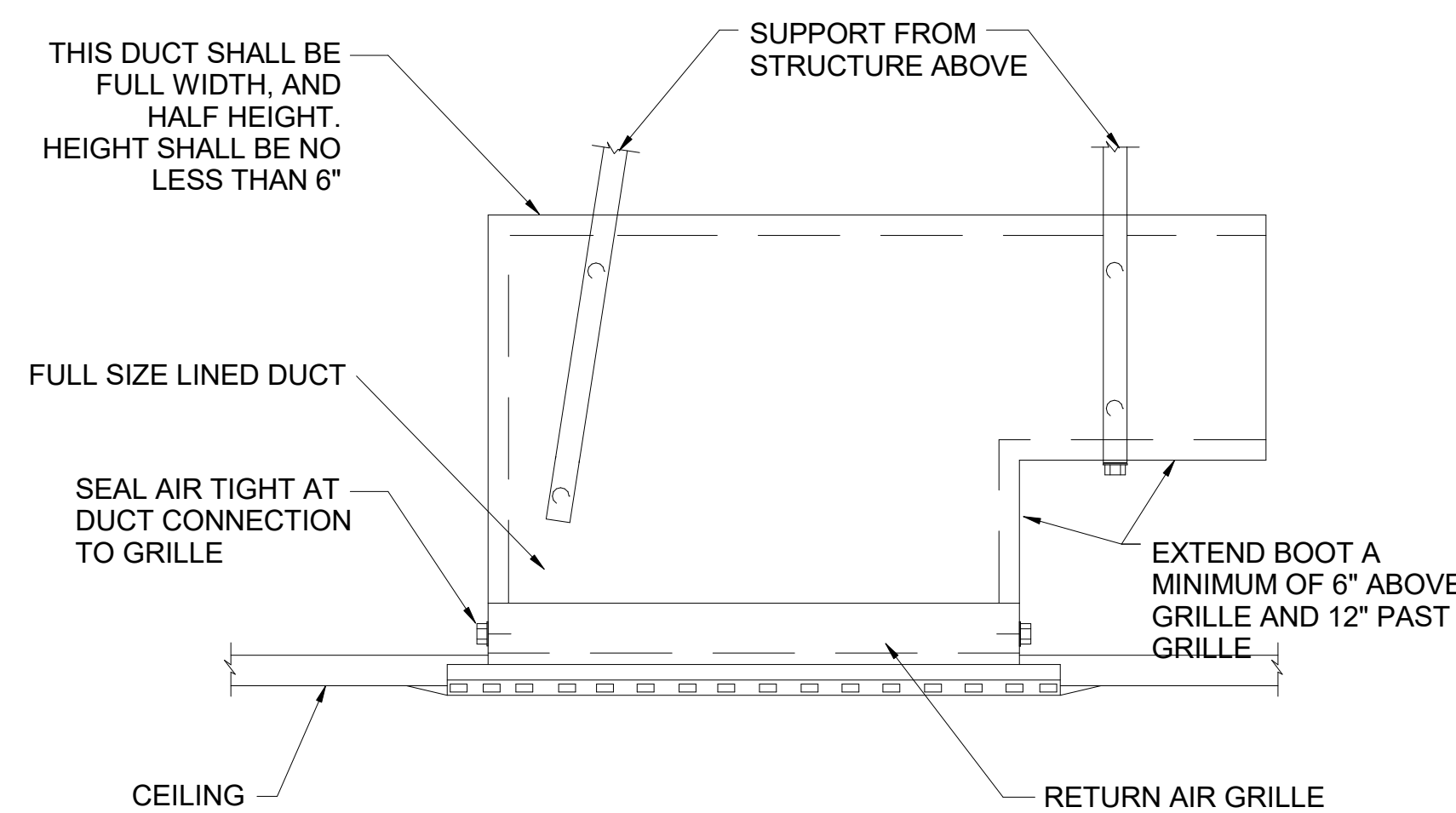
NOTE:  
1. DUCT SHALL BE WRAPPED EXTERNALLY AS PER THE SPECIFICATIONS.  
2. SEE SHEET G102 NOTE G-15 FOR DUCT MATERIAL.



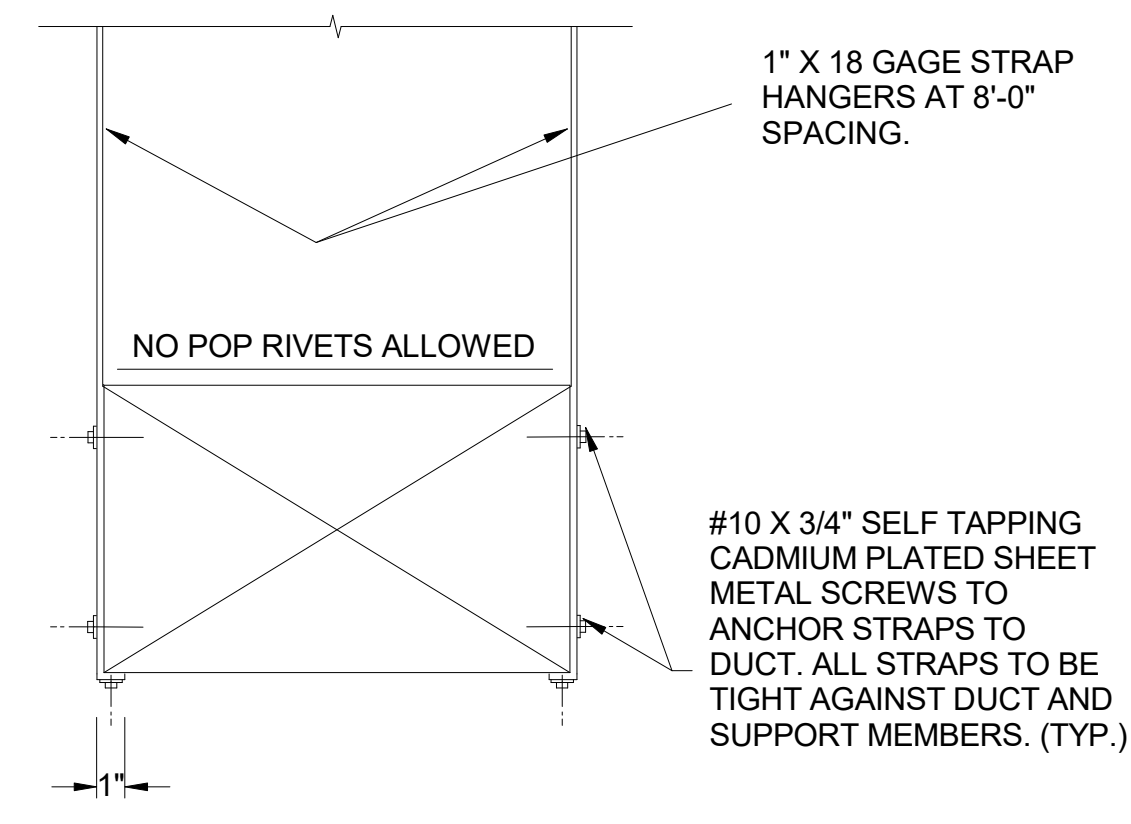
**C3** ROUND DUCT SUPPORT DETAIL  
SCALE: NONE



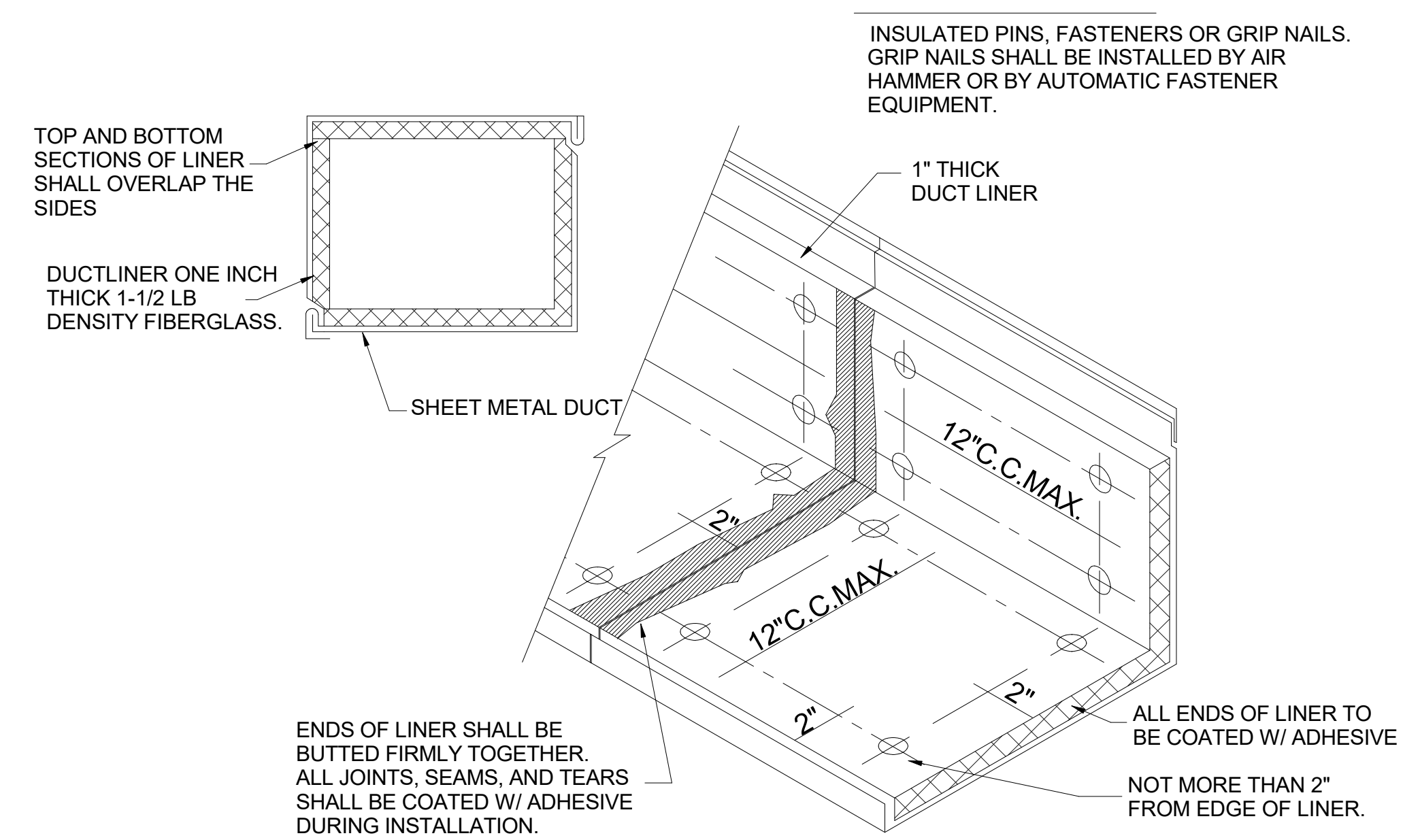
**C5** ROUND-TO-ROUND DUCT CONSTRUCTION DETAIL  
SCALE: NONE



**A1** RETURN AIR GRILLE MOUNTING DETAIL  
SCALE: NONE



**A3** DUCT STRAP HANGER DETAIL  
SCALE: NONE



**A5** DUCT LINER DETAIL  
SCALE: NONE

REV	DATE	DESCRIPTION
1	02-01-19	ADDendum #1

VCBO NUMBER: 18745.00  
CLIENT NUMBER: 00000  
DATE: 2019.01.18