



- RM-001 RANGE MECHANICAL GENERAL NOTES, ABBREVIATIONS & SYMBOLS
- RM-101 RANGE MECHANICAL FLOOR PLAN
- RM-102 RANGE MECHANICAL WALL PENETRATIONS AND EQUIPMENT PAD PLAN
- RM-301 RANGE MECHANICAL ELEVATION AND SECTION
- RM-501 RANGE MECHANICAL DETAILS
- RM-601 RANGE MECHANICAL SCHEDULES
- RM-700 RANGE MECHANICAL CONTROL NOTES, ABBREVIATIONS & SYMBOLS
- RM-701 RANGE MECHANICAL CONTROLS CONDUIT PLAN

XXX-X	EQUIPMENT IDENTIFICATION TAG
	EQUIPMENT HATCH
	ROUND DUCT
	RECTANGULAR DUCT
	RECTANGULAR TO ROUND DUCT CONNECTION
	SUPPLY AIR UP OR IN SECTION
	RETURN, EXHAUST, OR OUTSIDE AIR UP OR IN SECTION
	SUPPLY AIR DOWN OR AWAY
	RETURN, EXHAUST, OR OUTSIDE AIR DOWN OR AWAY
	MANUAL VOLUME DAMPER
	AIR FLOW MARKER

FAU	FILTRATION AIR-HANDLING UNIT
MAU	MAKE-UP AIR UNIT
CFM	CUBIC FEET PER MINUTE
VFD	VARIABLE FREQUENCY DRIVE
DDC	DIRECT DIGITAL CONTROL PANEL
RDP	RADIAL DIFFUSER PLENUM ASSEMBLY
DB	DRY BULB
WB	WET BULB
RH	RELATIVE HUMIDITY
OA	OUTSIDE AIR
EA	EXHAUST AIR
SA	SUPPLY AIR
RA	RETURN AIR
RM	RANGE MECHANICAL
ø	ROUND DUCT DESIGNATOR
ADJ.	ADJUSTABLE
SP	STATIC PRESSURE
IN WG	INCHES WATER GAUGE
SQFT	SQUARE FEET
HEPA	HIGH EFFICIENCY PARTICULATE ARRESTOR FILTER
SWSI	SINGLE WIDTH SINGLE INLET
RPM	REVOLUTIONS PER MINUTE
HP	HORSEPOWER
BHP	BRAKE HORSEPOWER
V	VOLTS
Hz	HERTZ
PH	PHASE
ΔT	TEMPERATURE DIFFERENTIAL
BTUH	BRITISH THERMAL UNITS PER HOUR
LBS	POUNDS
ESP	EXTERNAL STATIC PRESSURE
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION

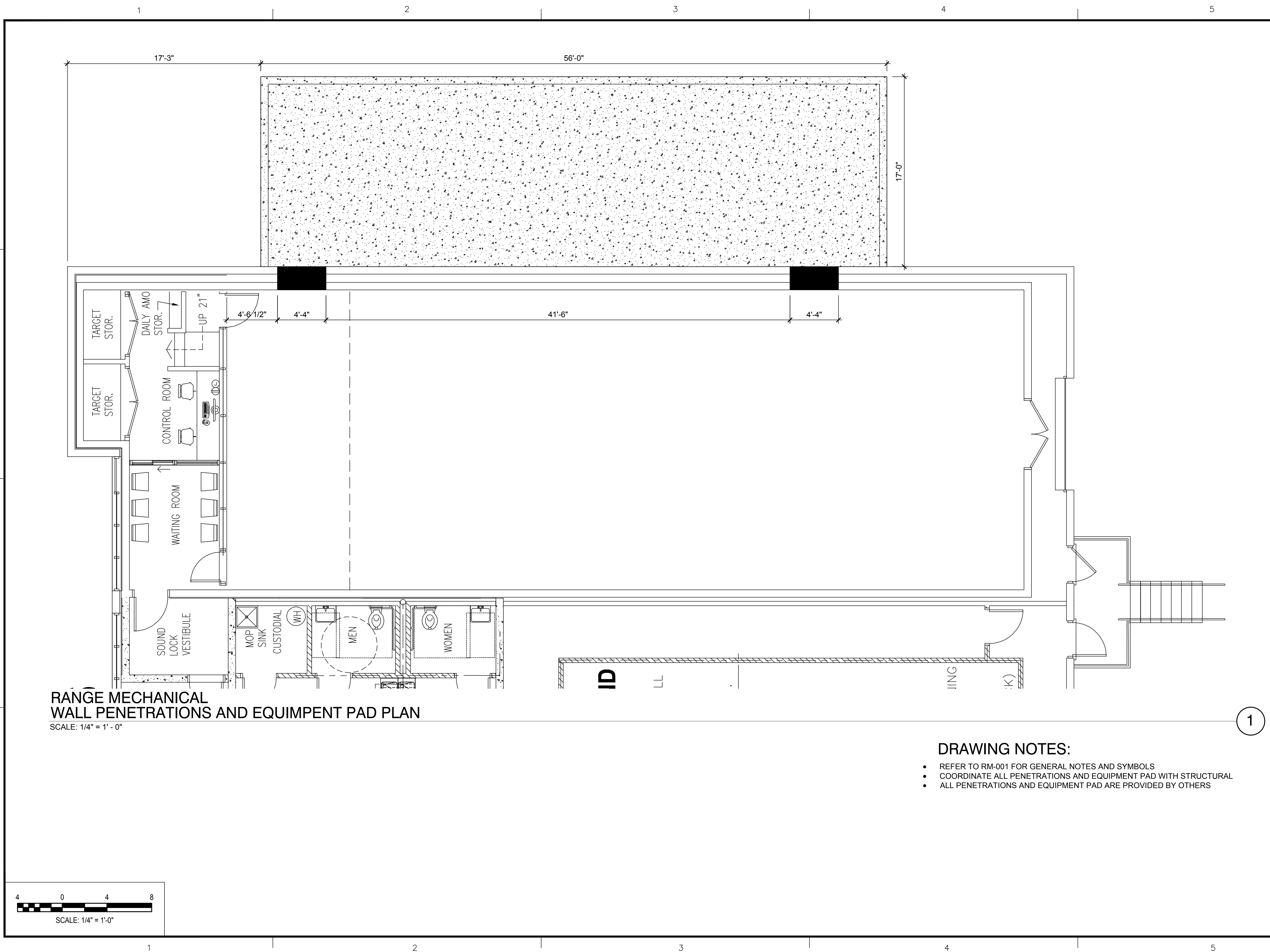
- THESE GENERAL NOTES APPLY TO ALL BALLISTIC RANGE VENTILATION SYSTEMS. CAREYS SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES OR CHANGES TO THE RANGE LAYOUT.
- THE RANGE VENTILATION SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH) SUGGESTED DESIGN CRITERIA. THESE REQUIREMENTS HAVE PROVEN TO PROVIDE EXPOSURES UNDER THE OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION (OSHA) ALLOWABLE LIMITS FOR LEAD EXPOSURE FOUND IN OSHA 29 CFR.
- DUCT SIZES SHOWN ARE FREE AREA SIZES. INSULATE ALL OUTSIDE DUCT WITH MINIMUM R-8 INSULATION AND WEATHERPROOF JACKETING. DO NOT LINE FAU RETURN DUCTWORK.
- ALL RANGE SUPPLY AND EXHAUST DUCT SHALL BE 2" WATER COLUMN PRESSURE RATED AND INSTALLED PER SMACNA STANDARDS.
- USE A FLANGED TYPE TRANSVERSE DUCT CONNECTOR OR DUCTMATE TYPE CONNECTION ON ALL DUCTWORK.
- SEAL ALL DUCTS WITH UNITED OR EQUIVALENT SEALANT. SEAL ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, CONNECTIONS, AND DUCT PENETRATIONS. ALL DUCT SHALL MEET THE REQUIREMENTS OF SEAL CLASS A.
- FOLLOW SMACNA STANDARDS FOR DUCT CONSTRUCTION AND DUCT REINFORCEMENT DETAILS.
- INSTALLING SHEET METAL CONTRACTOR SHALL VERIFY FINAL SIZES AND LOCATION OF EQUIPMENT WITH FINAL MANUFACTURER SUBMITTALS OR IN FIELD PRIOR TO FABRICATION OF DUCTWORK.
- REFER TO RM-700 FOR GENERAL CONTROL NOTES AND SPECIFICATIONS.
- THE INDOOR FIRING RANGE ENVELOPE SHALL BE AN AIR-TIGHT SEALED SPACE INCLUDING ALL DOORS AND WINDOWS BY THE GENERAL CONTRACTOR.
- ALL WALL PENETRATIONS BY OTHERS.
- ALL EQUIPMENT PADS BY OTHERS

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HILLSBOROUGH COUNTY
SHERIFF'S OFFICE RANGE
TAMPA, FL

SHEET
RM-001

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THESE TERMS AND CONDITIONS APPLY ONLY TO THE EXTENT THE SEAL AND SIGNATURE APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED, AND I EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE ARCHITECTURAL OR ENGINEERING PROJECT.

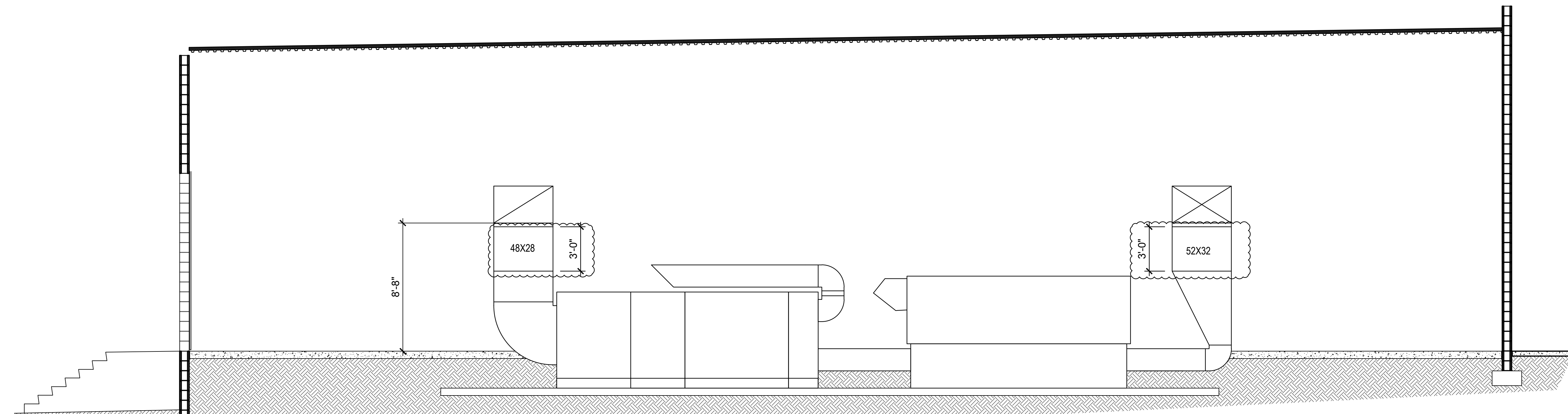
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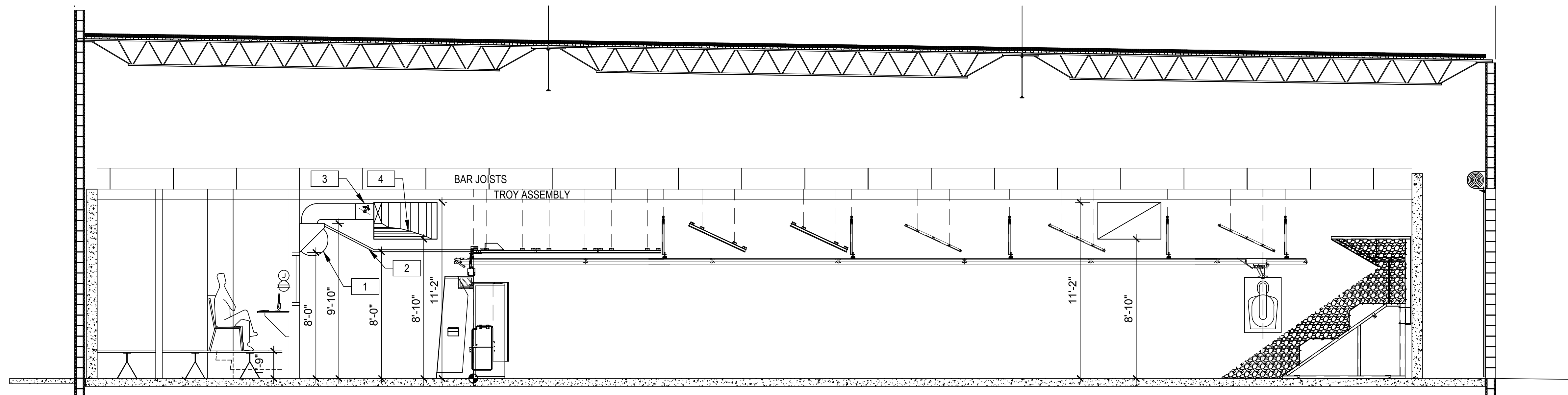
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SHEET RM-102



RANGE MECHANICAL EQUIPMENT ELEVATION

SCALE: 1/4" = 1' - 0"

RM-101



RANGE MECHANICAL

RANGE SECTION

SCALE: 1/4" = 1' - 0"

RM-101

- XX

KEY NOTES:

1. RADIAL DIFFUSER PLENUM ASSEMBLY - INSTALL AS LOW AS POSSIBLE WHILE PERMITTING ACCESS AND VIEW INTO THE RANGE - TYPICALLY INSTALLED JUST ABOVE DOOR OR WINDOW FRAME - WHICHEVER IS HIGHER
2. LAY-IN CEILING SHALL MOUNT ON CONTINUOUS ANGLE FROM HEADER OF DIFFUSER PLENUM TO START OF BALLISTIC SAFETY CEILING - CEILING AND INSTALLATION BY GENERAL CONTRACTOR OR OTHER APPOINTED TRADE
3. ROUND MANUAL VOLUME DAMPER
4. GRADUATED SUPPLY DUCT

DRAWING NOTES:

- REFER TO RM-001 FOR GENERAL NOTES AND SYMBOLS
- DRAWINGS ARE FOR REFERENCE TO RANGE VENTILATION SYSTEM ONLY. BALLISTIC EQUIPMENT HAS BEEN SHOWN FOR ILLUSTRATION PURPOSES. REFER TO BALLISTIC DRAWINGS FOR ACTUAL LAYOUTS.



SCALE: 1/4" = 1'-0'

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SHEET

RM-301

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- ## RADIAL DIFFUSER PLENUM INSTALLATION INSTRUCTIONS

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3

THESE DRAWINGS DO NOT INCLUDE ANY NECESSARY COMPONENTS FOR CONSTRUCTION. SUCH CONSTRUCTION MUST BE DONE IN ACCORDANCE WITH ANY AND ALL APPLICABLE LAWS, REGULATIONS, RULES AND ORDINANCES, INCLUDING BUT NOT LIMITED TO THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND THE NATIONAL BUILDING CODE. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PURPOSES, INCLUDING BUT NOT LIMITED TO, SPECIFICATIONS AND CONSTRUCTION DETAILS. UNLESS OTHERWISE NOTED, THESE DRAWINGS ARE THE PROPERTY AND THE PROPRIETARY INFORMATION OF CARRY'S HEATING & AIR CONDITIONING, INC. THEREBY, THESE DRAWINGS MAY NOT BE REPRODUCED, COPIED, DISTRIBUTED, PUBLISHED, USED, LOANED, ALIENATED OR OTHERWISE USED FOR ANY PURPOSES WITHOUT THE WRITTEN PERMISSION OF CARRY'S HEATING & AIR CONDITIONING, INC. ANY SUCH ACTIONS, THESE DRAWINGS MAY BE SUBJECT TO THE FURTHER TERMS AND CONDITIONS OF ANY SUCH ACTIONS. THESE DRAWINGS ARE CONSIDERED CONFIDENTIAL AND ANY DISCLOSURE OR REPRODUCTION OF ANY SUCH ACTIONS WITHOUT THE WRITTEN PERMISSION OF CARRY'S HEATING & AIR CONDITIONING, INC. IS STRICTLY PROHIBITED.

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RM-501



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RADIAL DIFFUSER PLENUM SCHEDULE							
TAG	SERVICE	LOCATION	DIFFUSER QUANTITY	DES. AIRFLOW (CFM)	DAMPER SIZE	BASIS OF DESIGN	NOTES
RDP-1	FIRING RANGE SUPPLY AIR	FIRING RANGE	5	2,400	2 - 12ø	CAREY'S 48ABS24-2-12	1 - 3
RDP-2	FIRING RANGE SUPPLY AIR	FIRING RANGE	2	2,400	2 - 12ø	CAREY'S 36ABS24-2-12	1 - 3

- | FILTRATION AIR-HANDLING UNIT SCHEDULE | | | | | | | | | | | | | | | | | | | |
|--|--------------|----------|----------|--------------|-------|------------|--|-----------------------|-------|-------|----|----|-------|--|-------------------|------------------|------------------------|-------------------|---------|
| UNIT NO. | SERVICE | LOCATION | FAN DATA | | | | | MOTOR/ELECTRICAL DATA | | | | | | ECONOMIZER SECTION. | | | ESTIMATED WEIGHT (Lbs) | BASIS OF DESIGN | REMARKS |
| | | | CFM | T.S.P. IN WG | RPM | FAN TYPE | DRIVE | HP | BHP | VOLTS | PH | HZ | RPM | RETURN AIR (CFM) | EXHAUST AIR (CFM) | SUPPLY AIR (CFM) | | | |
| FAU-1 | FIRING RANGE | GRADE | 17,160 | 8.03 | 2,058 | CENT. DWDI | BELT | 40.0 | 30.20 | 208 | 3 | 60 | 1,750 | 17,160 | 5,670 | 12,150 | 5,754 | DAIKIN OAH040GVBM | 1 - 12 |
| HIGH PRESSURE LOW LEAKAGE CONSTRUCTION
PREPAINTED G60 GALV STEEL EXTERIOR
R-13 INJECTED FOAM INSULATION
2INS FRAME
CURB READY BASE
PREMIUM EFFICIENCY MOTOR RATED FOR INVERTER DUTY | | | | | | | 7. THE AIR HANDLING UNIT IS SHIPPED IN MULTIPLE SECTIONS FOR FIELD ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
8. WEATHER HOODS FOR THE EXHAUST AIR OUTLET ARE SHIPPED LOOSE FOR FIELD INSTALLATION.
9. FACTORY INSTALLED DAMPER IN EXHAUST OPENING
10. EXHAUST DAMPER ACTUATOR SHALL BE FURNISHED AND INSTALLED | | | | | | | BY CONTROL CONTRACTOR.
11. FACTORY INSTALLED VARIABLE FREQUENCY DRIVE IN MOTOR SECTION
12. DISCONNECT BY ELECTRICAL CONTRACTOR | | | | | |

AIRFLOW SCHEDULE									
	SERVICE	RANGE RETURN (CFM)	FAU EXHAUST (CFM)	FAU SUPPLY (CFM)	BYPASS AIR (CFM)	MAU RETURN (CFM)	OUTSIDE AIR (CFM)	MAU SUPPLY (CFM)	RANGE SUPPLY (CFM)
SYSTEM 1	RANGE 1	17,820	5,670	12,150	6,800	5,350	4,050	9,400	16,200

DDC PANEL SCHEDULE			
UNIT NO.	SERVICE	ENCLOSURE TYPE	REMARKS
DDC-1	FIRING RANGE	NEMA 1	1 - 2

- | FILTER SCHEDULE | | | | | | | | | | | | | | | | | | | |
|-----------------|--------|-----------------------|------------|------------|------------------|--------------------------|-----------------------|---------|------------|------------------|-------------------------|------------------------------|-------------|------------|------------------|-------------------------|------------------------|-------------|---------|
| LOCATION | CFM | FILTER I | | | | | FILTER II | | | | | FILTER III | | | | | TOTAL FILTER S.P. DROP | | REMARKS |
| | | QUANTITY & SIZES (IN) | TYPE | EFFICIENCY | FACE AREA (SQFT) | DES. FACE VELOCITY (FPM) | QUANTITY & SIZES (IN) | TYPE | EFFICIENCY | FACE AREA (SQFT) | MAX FACE VELOCITY (FPM) | QUANTITY & SIZES (IN) | TYPE | EFFICIENCY | FACE AREA (SQFT) | MAX FACE VELOCITY (FPM) | CLEAN IN WG | DIRTY IN WG | |
| | | | | | | | | | | | | | | | | | | | |
| FAU-1 | 17,160 | (12) 20X24X2 | MINI-PLEAT | MERV-8 | 37.7 | 455 | (12) 20X24X12 | V-PANEL | MERV-14 | 37.7 | 455 | (8) 24x24x12
(4) 12x24x12 | 99.97% HEPA | MERV-17 | 40.0 | 429 | 1.94 | 5.8 | 1 - 3 |
1. FILTERS ARE SHIPPED LOOSE FOR FIELD INSTALLATION.
2. INSTALLING CONTRACTOR SHALL RECEIVE THE FILTERS AND PLACE INTO STORAGE UNTIL READY FOR INSTALLATION OF THE FILTERS.

3. INSTALLING CONTRACTOR SHALL INSTALL THE FILTERS IN THE FILTER FRAMES WHEN DIRECTED TO BY THE RANGE START-UP TECHNICIAN JUST PRIOR TO THE RANGE CLOSE-OUT TESTING.

MAKE-UP AIR UNIT SCHEDULE																			
UNIT NO.	SERVICE	LOCATION	PERFORMANCE DATA						ELECTRICAL DATA				ECONOMIZER SECTION.				ESTIMATED WEIGHT (Lbs)	BASIS OF DESIGN	REMARKS
			FAN TYPE	CFM	TOTAL STATIC IN H2O	RPM	BHP	HP	VOLTS	PH	MROPD (A)	MCA (A)	MINIMUM AIR	SUPPLY AIR (CFM)	RETURN AIR (CFM)	OUTSIDE AIR (CFM)			
MAU-1	FIRING RANGE	GRADE	AF SWSI	9,400	3.44	1,670	8.3	15.0	208	3	300	250.7	11,000	11,000	4,400	6,600	5,175	DAIKIN MPS035F	1 - 15
1. PREPAINTED GALV STEEL EXTERIOR 2. DOUBLE-WALL CONSTRUCTION 3. 4.0 R-VALUE INSULATION 4. ETL/MEA-USA LISTED UNIT 5. FIELD INSTALLED BACnet MSTP CARD 6. DX COIL WITH STAINLESS STEEL DRAIN PAN 7. MODULATING ELECTRIC HEAT WITH SCR CONTROL			8. DISCHARGE SUPPLY AIR TEMPERATURE CONTROL VIA MODULATING HOT GAS REHEAT 9. FIELD POWERED 115V GFI POWER RECEPTACLE 10. ODP PREMIUM EFFICIENCY MOTOR 11. ALL COILS ARE FIN AND TUBE TYPE. FIN OF ALUMINUM AND TUBE OF COPPER. 12. 0 - 30% OUTSIDE AIR ECONOMIZER WITH MOTORIZED									13. DAMPER 14. MERV-8 OUTSIDE AIR FILTER RACK 15. CUSTOM CURB WITH INTERNAL BYPASS AND BALANCING DAMPERS 16. DISCONNECT BY ELECTRICAL CONTRACTOR							

MAKE-UP AIR COOLING/HEATING SCHEDULE																		
UNIT NO.	COOLING COIL SECTION						HOT GAS REHEAT COIL				ELECTRIC HEAT SECTION					COMPRESSOR SECTION		
	CAPACITY. Btu/hr	ENT.TEMP (F)		LEA.TEMP (F)		AMBIENT AIR TEMP (F)	ENT.TEMP (F)		LEA.TEMP (F)		CAPACITY. Btu/hr	ENT.TEMP (F)	LEA.TEMP (F)	SIZE (kW)	CONTROL	CAPACITY CONTROL	POWER (kW)	REFRIG TYPE
		D/B	W/B	D/B	W/B		D/B	W/B	D/B	W/B								
MAU-1	377,425	79.2	67.8	55.6	54.9	92.4	55.6	-	68.0	-	245,808	45.0	69.1	72	SCR	5 STEPS	28.7	R410A

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HILLSBOROUGH COUNTY
SHERIFF'S OFFICE RANGE
TAMPA, FL

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RM-601

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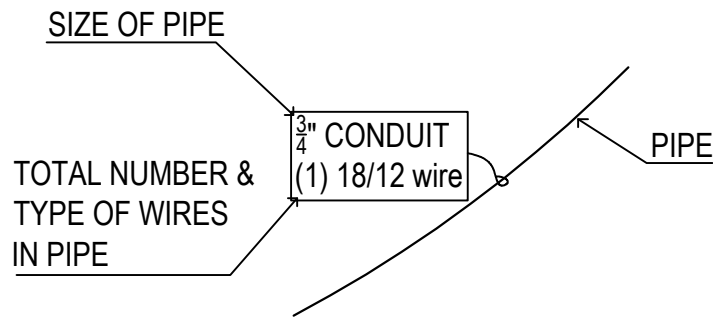
CONTROL NOTES AND SPECIFICATIONS:

- A. CAREY'S SHALL SUPPLY RANGE VENTILATION DIRECT DIGITAL CONTROL PANEL (DDC) AND SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR.
- B. DDC PANEL IS TO BE MOUNTED AT A HEIGHT OF 6 FEET FROM THE FLOOR TO THE TOP OF THE PANEL WITH A MINIMUM CLEARANCE OF 6 INCHES ON EACH SIDE OF THE PANEL - BY ELECTRICAL CONTRACTOR.
- C. DEDICATED 20A BREAKER WITH LOCKING DEVICE TO POWER THE RANGE CONTROL PANEL - ELECTRICAL CONTRACTOR.
- D. CAREY'S SHALL SUPPLY FILTER STATUS PANEL (FSP) AND SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR.
- E. ALL CONTROL CONDUITS WITH PULL STRINGS SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- F. ALL CONTROL WIRE SHALL BE RUN IN CONDUIT BY CAREY'S.
- G. FINAL CONTROL WIRING CONNECTIONS TO CONTROL DEVICES BY CAREY'S.
- H. FINAL WHIPS FROM JUNCTION BOXES TO CONTROL DEVICES SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR.
- I. ELECTRICAL DISCONNECTS ARE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- J. DSL LINE / NETWORK CONNECTION TO CONTROL PANEL FOR REMOTE COMMUNICATIONS TO BE SUPPLIED BY OWNER. OWNER I.T. TO COORDINATE WITH CAREY'S TO PROVIDE STATIC IP ADDRESS FOR NETWORKING AND ESTABLISH COMMUNICATIONS PROTOCOL FOR REMOTE ACCESS.
- K. ALL CONTROL DEVICES WILL BE MOUNTED BY CAREY'S FIELD TECHNICIAN UNLESS SPECIFICALLY STATED OTHERWISE.
- L. ELECTRICAL CONTRACTOR SHALL PROVIDE A DEEP TWO GANG 1900 BOX AND PLASTER RING FOR THE REMOTE START/STOP/ALARM STATION AND COORDINATE FINAL LOCATION OF STATION WITH OWNER.

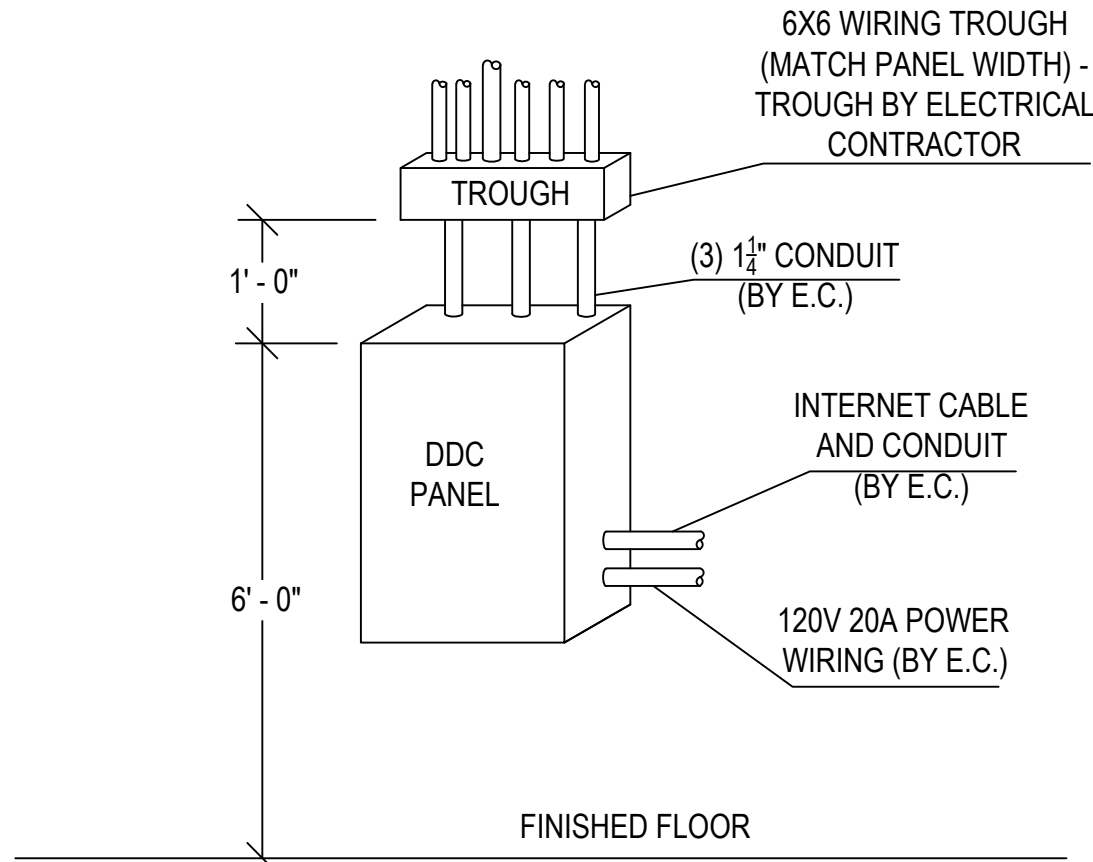
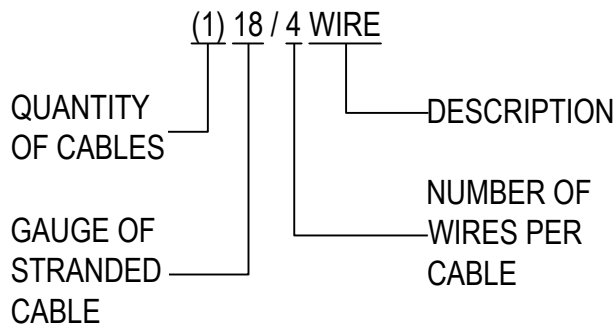
SYMBOL LEGEND

(P)	PRESSURE SENSOR
(J)	JUNCTION BOX
(T)	TEMPERATURE SENSOR
(H)	HUMIDITY SENSOR
(D)	DISCHARGE SENSOR
(F)	FREEZESTAT
(DS)	MAGNETIC DOOR SWITCH
(DDC1)	RANGE VENTILATION DIRECT DIGITAL CONTROL PANEL
(VFD)	VARIABLE FREQUENCY DRIVE
(SS)	REMOTE START/STOP STATION
(FSP)	FILTER STATUS PANEL
(DCA)	DIRECT COUPLED ACTUATOR

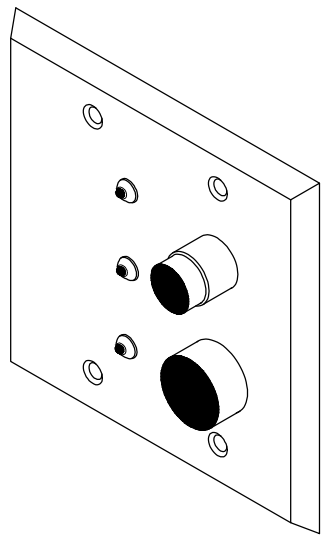
CONDUIT LABELING SCHEME



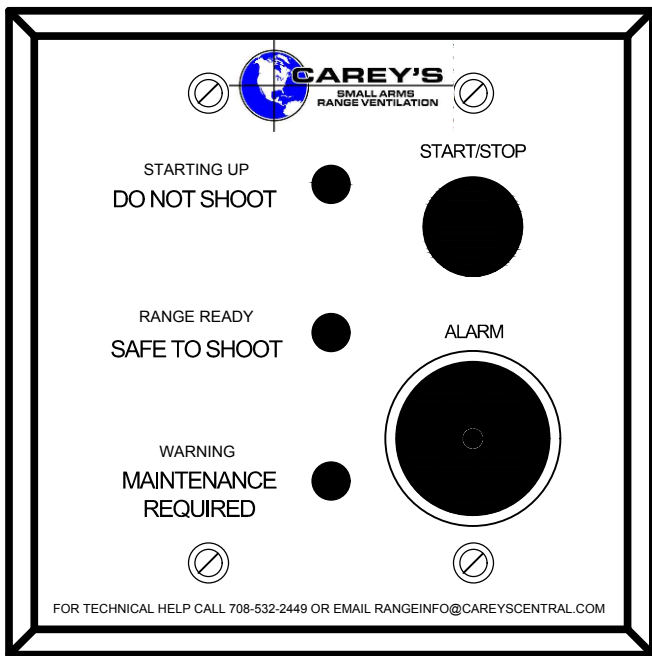
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DDC PANEL INSTALLATION DETAIL



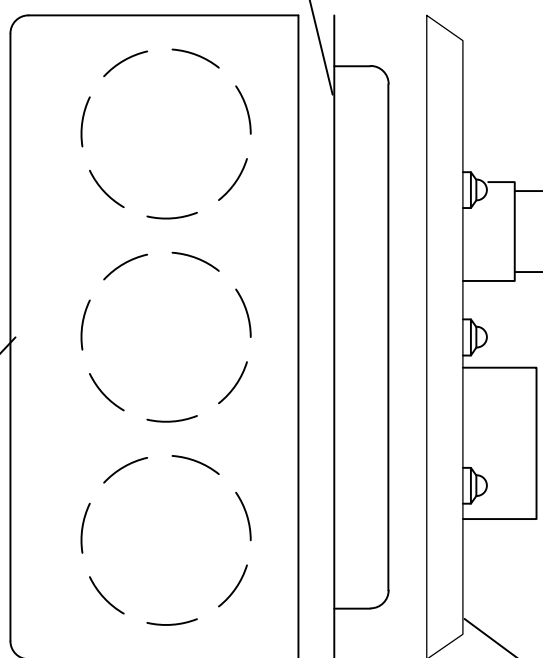
REMOTE START/STOP & ALARM STATION CONCEPTUAL DETAIL



REMOTE START/STOP & ALARM STATION COVER

PLASTER RING PROVIDED BY ELECTRICAL CONTRACTOR

DEEP TWO GANG 1900 BOX PROVIDED BY ELECTRICAL CONTRACTOR



REMOTE START/STOP & ALARM STATION SIDE PROFILE

CONTROL SEQUENCE:

- THE OPERATOR WILL PUSH THE SWITCH. THE "DO NOT SHOOT / START-UP IN PROGRESS" LIGHT SHALL GO ON.
- MOTORIZED OUTSIDE AIR DAMPER AND EXHAUST AIR DAMPER SHALL RECEIVE A 0-10 VDC SIGNAL TO DRIVE TO OPEN POSITION SET AT COMMISSIONING STARTUP.
- FAU AND MAU FANS SHALL START WITH THE CLOSURE OF THE END SWITCH OF THE UNIT'S DAMPERS. FAU FAN SHALL START SLIGHTLY AHEAD OF MAU FAN (APPROXIMATELY 6 SECONDS).
- FAU FAN VARIABLE FREQUENCY DRIVE (VFD) SHALL MODULATE TO MAINTAIN A .05" WG NEGATIVE RANGE DIFFERENTIAL STATIC PRESSURE WHILE THE MAU FAN SLOWLY RAMPS UP TO THE PRESET SUPPLY VFD SETTING DETERMINED DURING COMMISSIONING.
- AFTER A TIME OF APPROXIMATELY 12 MINUTES WHEN THE SYSTEMS REACH STEADY STATE, THE "SAFE TO SHOOT/RANGE READY" LIGHT WILL TURN ON AND THE "DO NOT SHOOT/STARTUP IN PROGRESS" LIGHT WILL TURN OFF.
- THE FAU VFD WILL MODULATE THROUGHOUT THE OCCUPIED CYCLE TO MAINTAIN RANGE PRESSURE OF A NEGATIVE 0.05" WG AS REFERENCED TO THE BASE BUILDING.
- THE RANGE ENTRANCE DOORS WILL BE MONITORED. IF THE RANGE DOOR IS OPEN FOR LONGER THAN 15 SECONDS (ADJ.) DURING START UP, THE RANGE WILL ALARM AND SHUT DOWN. DURING STEADY STATE, IF A RANGE DOOR IS OPEN FOR LONGER THAN 3 MINUTES (ADJ.) THE RANGE WILL ALARM.
- IF OUTSIDE AIR IS LESS THAN 65 DEGREES F, (ADJ.) MAU SHALL ENABLE HEATING AND MODULATE GAS HEAT TO MAINTAIN SUPPLY AIR TEMPERATURE OF 70 DEGREES F, (ADJ.).
- IF OUTSIDE AIR IS GREATER THAN 75 DEGREES F, (ADJ.) OR RANGE ENTERING AIR RELATIVE HUMIDITY RISES ABOVE 60% (ADJ.) MAU SHALL ENABLE COOLING AND COMPRESSORS SHALL STAGE ON TO PROVIDE COOLING AND SHALL MODULATE THE HOT GAS REHEAT COIL TO MAINTAIN RANGE ENTERING TEMPERATURE OF 72 DEGREES F (ADJ.).
- IF AT ANY TIME THE RANGE DIFFERENTIAL PRESSURE RISES ABOVE 0.0"WG FOR MORE THAN 2 MINUTES, THE RANGE WILL AUTOMATICALLY ALARM AND SHUT DOWN.
- IF AT ANY TIME THE FILTER PRESSURE DIFFERENTIAL EXCEEDS PARAMETERS (DETERMINED DURING START-UP), THE RANGE WILL ALARM.
- THE SYSTEMS SHALL MONITOR AND REACT TO A LOSS OF DUCT PRESSURE IN EACH OF THE SUPPLY AND EXHAUST DUCTS. IF PRESSURE IS LOST IN EITHER SUPPLY OR RETURN DUCTS THEN THE SYSTEM SHALL SHUT DOWN. (THIS WILL STOP POTENTIAL BUILDING DAMAGE IF ONLY ONE FAN WAS RUNNING.)
- THE RANGE SHALL BE SHUT OFF WITH THE PUSH BUTTON SWITCH. SYSTEMS SHALL HAVE A 30 SECOND DELAY (ADJ.) ON THE SHUT DOWN AND SHALL BE LOCKED OUT FOR A PERIOD OF 5 MINUTES WHERE THE SYSTEM CANNOT BE RESTARTED.
- THE SYSTEM SHALL HAVE REMOTE COMMUNICATION.
- THE DDC SYSTEM SHALL PROVIDE THE FOLLOWING MINIMUM DATA TRENDING:
 - DIFFERENTIAL STATIC PRESSURE
 - DISCHARGE TEMPERATURE
 - OUTSIDE TEMPERATURE
 - FILTER DIFFERENTIAL FOR PRE/MID FILTERS
 - FILTER DIFFERENTIAL FOR THE HEPA FILTER
 - SUPPLY STATIC PRESSURE
- SYSTEM WILL REMAIN OFF DURING UNOCCUPIED CONDITIONS.
- IT IS RECOMMENDED THAT THE RANGE VENTILATION SYSTEM BE RUN FOR 15 MINUTES AFTER USE OF RANGE BEFORE SHUTTING DOWN THE SYSTEM.

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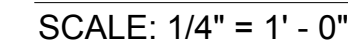
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CAREY'S
SMALL-ARMED RANGE VENTILATION

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CAREYSCENTRAL.COM

**HILLSBOROUGH COUNTY
SHERIFF'S OFFICE RANGE
TAMPA, FL**

DRAWN KMW
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DATE 2017-02-06
JOB NO.
SHEET RM-700



SCALE: 1/4" = 1'-0"

- REFER TO RM-700 FOR GENERAL CONTROL NOTES, SYMBOLS, AND SPECIFICATIONS.
- CONDUIT DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY. INSTALLING CONTRACTOR TO DETERMINE FINAL PATHWAYS FOR CONDUITS.
- ALL CONDUITS SHALL BE RUN ABOVE GROUND
- ALL DOORS LEADING INTO A RANGE SPACE WHETHER SHOWN OR NOT SHALL HAVE A $3\frac{3}{4}$ " CONDUIT RUN TO IT FROM THE NEAREST CONTROLS JUNCTION WITH 18/2 WIRE FOR A MAGNETIC DOOR SWITCH.
- FINAL INDOOR LOCATION OF DDC PANEL TO BE DETERMINED BY ELECTRICAL CONTRACTOR
- FINAL LOCATION OF REMOTE START/STOP/ALARM STATION TO BE DETERMINED BY OWNER
- COMMUNICATION BUS WIRE SHALL BE RUN IN DEDICATED CONDUIT - NO EXCEPTIONS

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