

PACKAGED ROOF TOP UNIT SCHEDULE

ROOF TOP UNIT						COOLING CAPACITY					GAS HEATING			ELECTRICAL DATA			WEIGHT (LBS)	NOTES
MARK	MANUFACTURER	MODEL	SUPPLY AIR CFM	OUTSIDE AIR CFM	ESP. (IN. W.G.)	E.A.T. (DB/WB) (°F)	MIN. SHC (MBH)	MIN. THC (MBH)	MIN. EER	AMB. TEMP (°F)	AIR LOAD (MBH)	OUTPUT (MBH)	EFF (%)	VOLTS/ PHASE	MCA (AMPS)	MOCP (AMPS)		
RTU1	LENNOX	KGB074H4T	2400	500	0.88	80/67	57.2	72.4	12	100	108	87	80	208/3	35.0	50	858	1, 2, 3, 4, 5, 6, 7, 8
RTU2	LENNOX	KGA120HAM	4000	750	1.24	80/67	94.3	121.2	11	100	180	144	80	208/3	49.0	60	1337	1, 2, 3, 4, 5, 6, 7, 8
RTU3	LENNOX	KGA120HAM	4000	750	1.24	80/67	94.3	121.2	11	100	180	144	80	208/3	49.0	60	1337	1, 2, 3, 4, 5, 6, 7, 8
RTU4	LENNOX	KGB074H4T	2400	500	0.88	80/67	57.2	72.4	12	100	108	87	80	208/3	35.0	50	858	1, 2, 3, 4, 5, 6, 7, 8
RTU5	LENNOX	KGB074H4T	2400	500	0.88	80/67	57.2	72.4	12	100	108	87	80	208/3	35.0	50	858	1, 2, 3, 4, 5, 6, 7, 8
RTU6	LENNOX	KGA120HAM	4000	750	1.24	80/67	94.3	121.2	11	100	180	144	80	208/3	49.0	60	1337	1, 2, 3, 4, 5, 6, 7, 8

ABBREVIATIONS:

AMB. - AMBIENT
CAP. - CAPACITY
E.A.T. - ENTERING AIR TEMPERATURE
E.S.P. - EXTERNAL STATIC PRESSURE INCLUDES ALL WORK EXTERNAL TO UNIT
DOES NOT INCLUDE FILTER LOSS
EWT - ENTERING WATER TEMPERATURE
EFF - EFFICIENCY
MCA - MINIMUM CIRCUIT AMPACITY
MIN. - MINIMUM
MOCP - MAXIMUM OVER-CURRENT PROTECTION
TEMP - TEMPERATURE
WPD - WATER PRESSURE DROP
LOAD - NOMINAL CONNECTED GAS LOAD TO UNIT, USED TO SIZE GAS PIPING
OUTPUT - MINIMUM REQUIRED OUTPUT TO SATIFY HEATING REQUIRED

NOTES:

- THRU BASE ELECTRICAL CONNECTION KIT
- HAIL GUARDS
- SINGLE POINT MEANS OF DISCONNECT
- 0-100% MODULATING OUTDOOR AIR ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF, LOW-LEAK DAMPERS AND ECONOMIZER FAULT DIAGNOSTICS
- 14" ROOF MOUNT CURB
- SMOKE DETECTORS IN RETURN WIRED TO SHUT DOWN UNIT
- 7 DAY PROGRAMMABLE AUTO CHANGEOVER THERMOSTAT BY UNIT MANUFACTURER
- UNPOWERED CONVENIENCE OUTLET TO BE WIRED BY FUTURE TENANT.

ELECTRIC UNIT HEATER SCHEDULE

MARK	MANUFACTURER	MODEL #	BLOWER CFM	HEATER MBH	HEATER WATTS	ELECTRICAL			NOTES
						VOLT/PH	MCA	MOCP	
UH1	RAYWALL	E3058TDWB	100	6.143	1800	120/1	18.75	20	MB, DM, T
UH2	MARLEY	MUH05-81	350	17.0	5000	208/3	24	25	MB, DM, T
UH3	MARLEY	MUH05-81	350	17.0	5000	208/3	24	25	MB, DM, T
UH4	MARLEY	MUH05-81	350	17.0	5000	208/3	24	25	MB, DM, T
UH5	MARLEY	MUH05-81	350	17.0	5000	208/3	24	25	MB, DM, T

ABBREVIATIONS:

- MB - PROVIDE MANUFACTURER'S 4" SURFACE MOUNT FRAME TO MOUNT UNIT ON WALL.
DM - DISCONNECTING MEANS
T - PROVIDE MANUFACTURER'S TAMPERPROOF IN-BUILT THERMOSTAT AND SET TO 60 DEGREES.

PIPING MATERIAL SCHEDULE

SYSTEM	PIPING						FITTINGS			MAX. WORKING PRESS. (PSI)	TEMP. (°F)	FIELD TEST	
	SIZE	TYPE	SCH	GRD	ASTM	MAT.	MAT.	TYPE				PRESS. (PSI)	TIME
DOMESTIC WATER SERVICE	0.75" - 3"	PVC	40	--	D1785	PVC	PVC	SW		125	50-90	200	1 HR
DOMESTIC WATER ABOVE GRADE	ALL	L	--	--	B88	CP	CP	SJ		120	40-180	150	1 HR
DOMESTIC WATER BELOW GRADE	ALL	K	--	--	B88	CP	CP	SJ		120	40-180	150	1 HR
ROOF DRAIN ABOVE GRADE	ALL	NH	SS	--	A74	CI	CI	DRNH		10 FT	40-80	10 FT	1 HR
ROOF DRAIN BELOW GRADE	ALL	DWV	40	--	2665	PVC	PVC	DRSW		10 FT	40-80	10 FT	1 HR
WASTE & VENT BELOW GRADE	ALL	DWV	40	--	2665	PVC	PVC	DRSW		10 FT	50-180	10 FT	1 HR
WASTE & VENT ABOVE GRADE	ALL	NH	SS	--	A74	CI	CI	DRNH		10 FT	50-180	10 FT	1 HR
GREASE WASTE & VENT BELOW GRADE	ALL	NG/BS	SS	--	A74	CI	CI	DRNG		10 FT	50-180	10 FT	1 HR
CONDENSATE DRAIN ABOVE GRADE	ALL	M	--	--	B88	CP	CP	DRS		10 FT	40-70	10 FT	1 HR
NATURAL GAS ABOVE GRADE	0.5" - 2.5"	CW	40	A	A53	CSBLK	MI	THRD		1	--	100	1 HR
NATURAL GAS ABOVE GRADE	3" & UP	SL/CW	40	A	A53	CSBLK	CS	WELD		1	--	100	1 HR

ABBREVIATIONS:

- ATP - ARMO TRUSS PIPE
BLK - BLACK
BS - BELL & SPIGOT
CF - CRIMPED FITTING
CI - CAST IRON
CP - COPPER
CS - CARBON STEEL
CTD - PIPE LINE SERVICE COMPANY X-TRU-COAT
HIGH DENSITY POLYETHYLENE COATING
EXTRUDED OVER PIPE
CW - CONTINUOUS WELD
DI - DUCTILE IRON
DR - DRAINAGE FITTING
ERW - ELECTRIC RESISTANT WELD
GLV - GALVANIZED
HF - HEAT FUSED
LC - LEAD CAULKING
MI - MALLEABLE IRON
- MJ - MECHANICAL JOINT
NG - NEOPRENE GASKET
NH - NO-HUB
PE - POLYETHYLENE
PVC - POLYVINYL CHLORIDE
PVDF - POLYVINYLIDENE FLUORIDE
S - BRAZED JOINT - SILVER BRAZING ALLOY
SF - SOCKET FUSION
SJ - SOLDER JOINT 95-5 TIN-ANTIMONY
SL - SEAMLESS STEEL
SS - STANDARD STRENGTH - SERVICE WEIGHT
SW - SOLVENT WELD
TS - TY-SEAL
THRD - THREADED
VCP - VITRIFIED CLAY PIPE
WELD - WELDED
XH - EXTRA HEAVY

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project title

CFT RETAIL BUILDING
2901 S. CHURCH STREET,
MURFREESBORO, TN 37127

project number
20045.003
drawing issuance
PERMIT/BID SET
6.1.2021
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No. Description Date

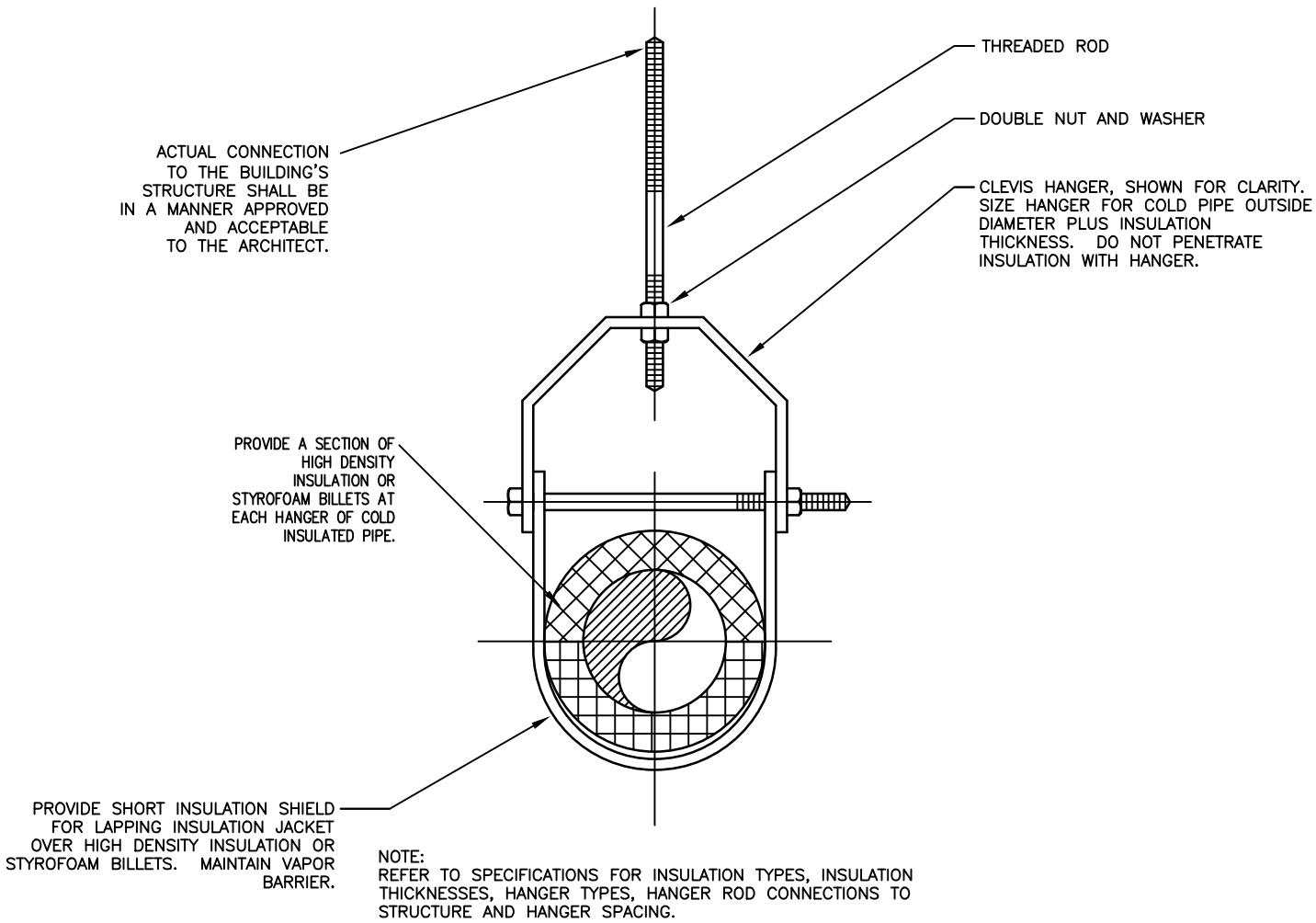
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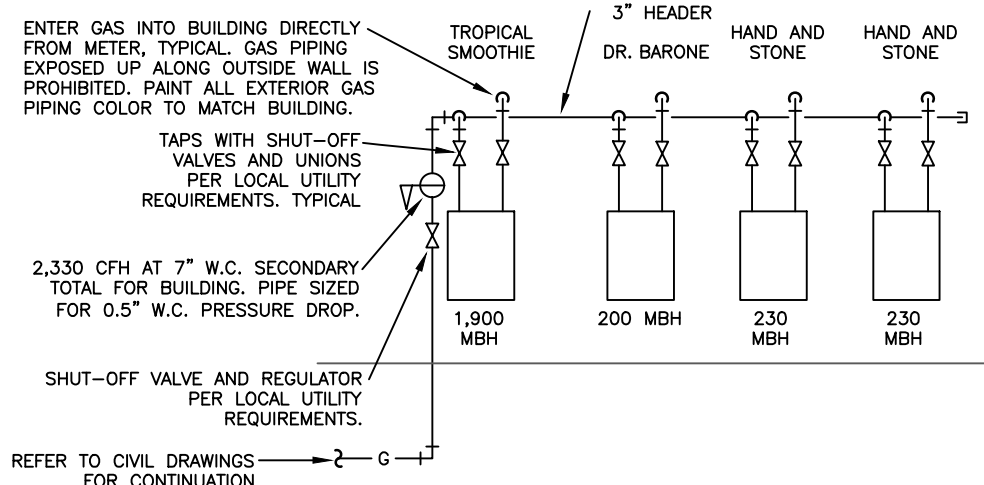
drawing title
MECHANICAL SCHEDULES AND DETAILS
drawing number

M4

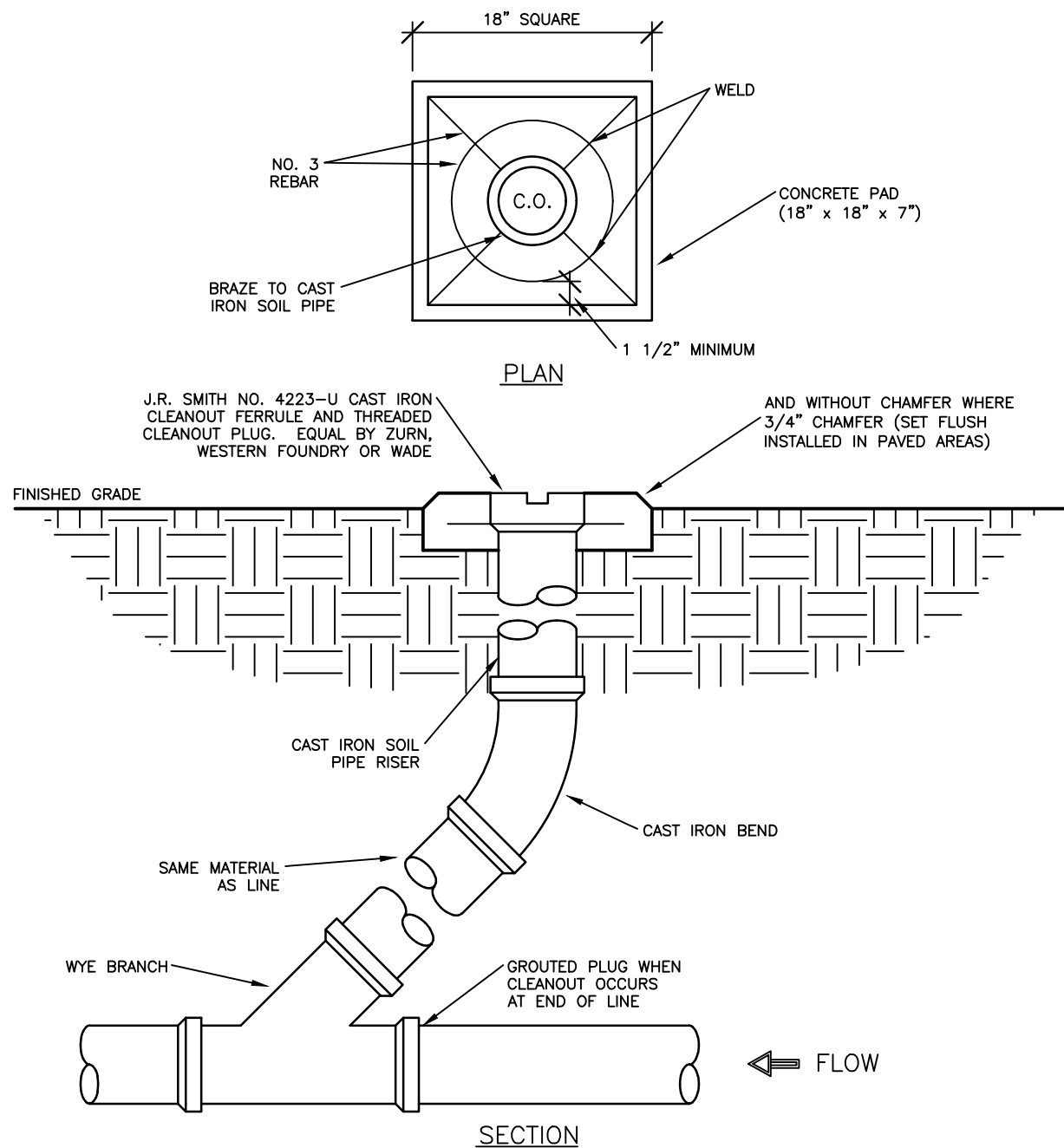
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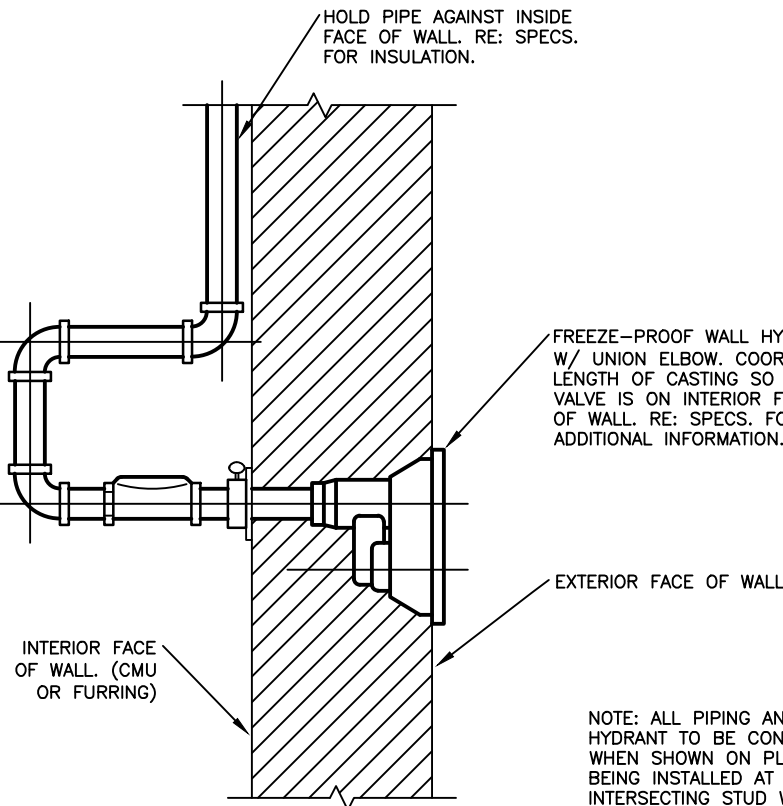
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M4
PIPE CLEVIS HANGER DETAIL
NO SCALE



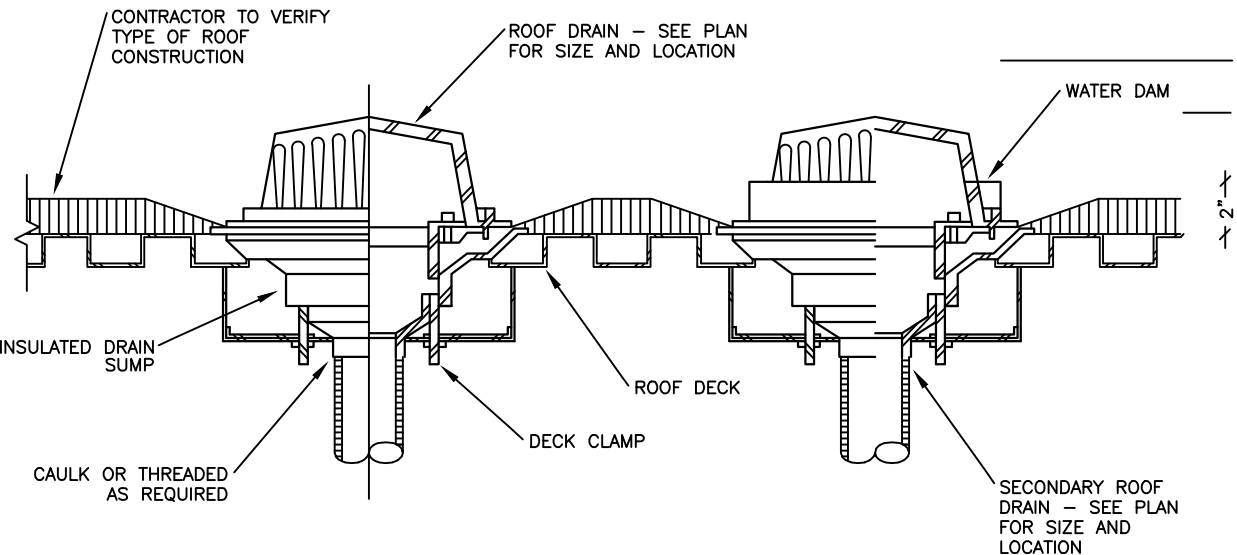
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M4
GAS METER DETAIL
NO SCALE



3
M4
FINISH GRADE CLEANOUT DETAIL
NO SCALE



2
M4
WALL HYDRANT DETAIL
NO SCALE



1
M4
ROOF DRAIN DETAIL
NO SCALE