

HVAC Replacement Project

Hobson Street Site

Project TX186

Construction Documents
September 2025
NOCONA HOUSING AUTHORITY
400 Hobson St.; Nocona, Texas

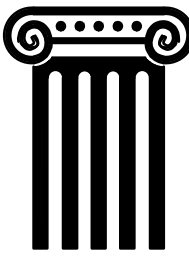
Ms. Tara Hall; Executive Director



INDEX OF DRAWINGS

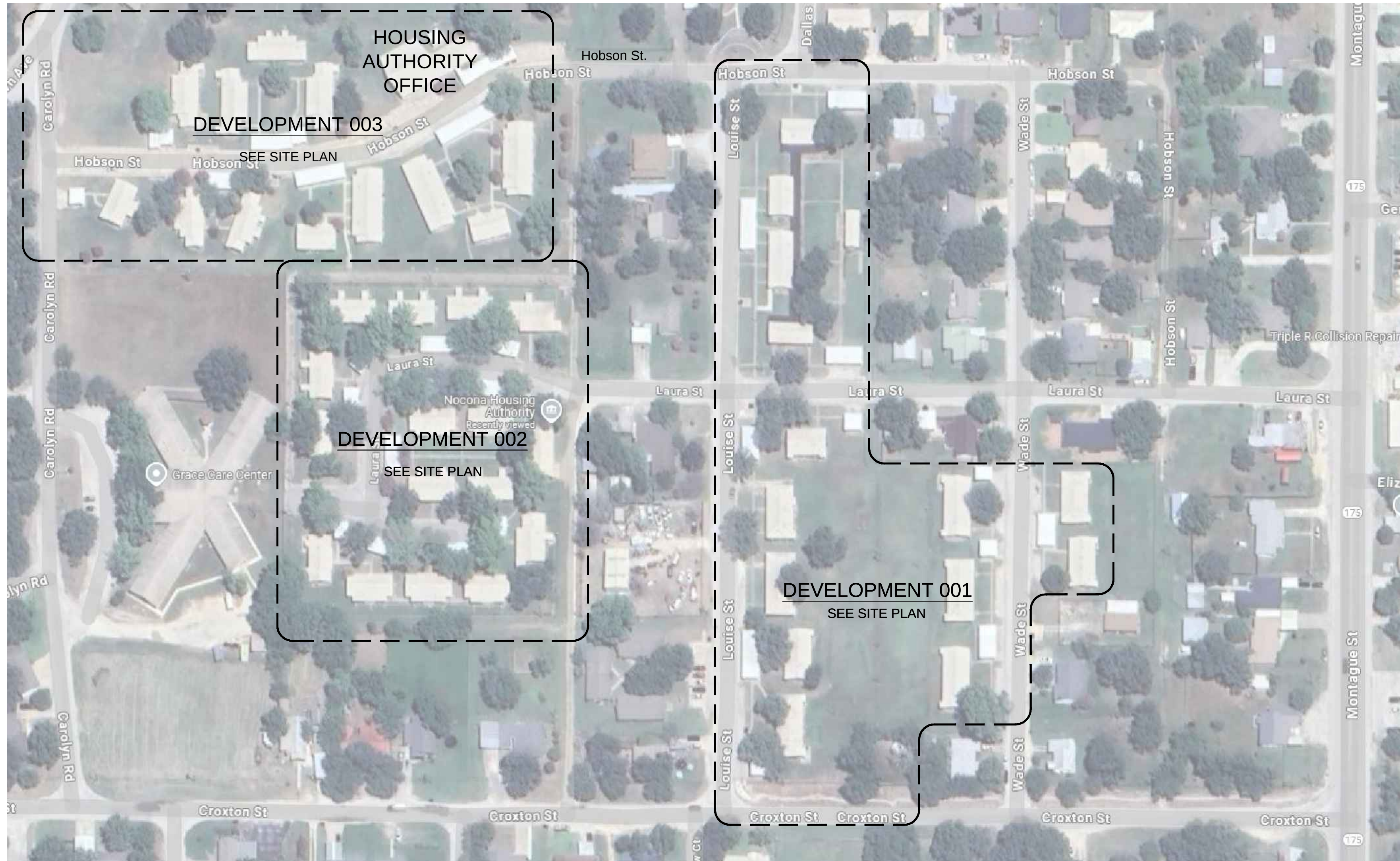
	COVER
AS1.1	SITE PLAN and BID SCHEDULE
A1.1	ONE BEDRM. APARTMENT FLOOR PLAN, HVAC REPLACEMENT
M1	MEP; ONE BEDRM. APT. PLAN, HVAC REPLACEMENT
M2	MECHANICAL SCHEDULE & DETAILS

Architectural construction documents, are intended to compose a detailed description of the design but are not intended to be detailed instructions for how to construct the project. Contractors must bring quality knowledge of construction practices, means and methods, as well as a skilled understanding of sequencing of construction and coordinating the work of subcontractors in order for the project to be successful.

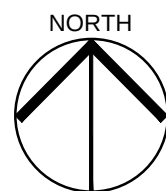
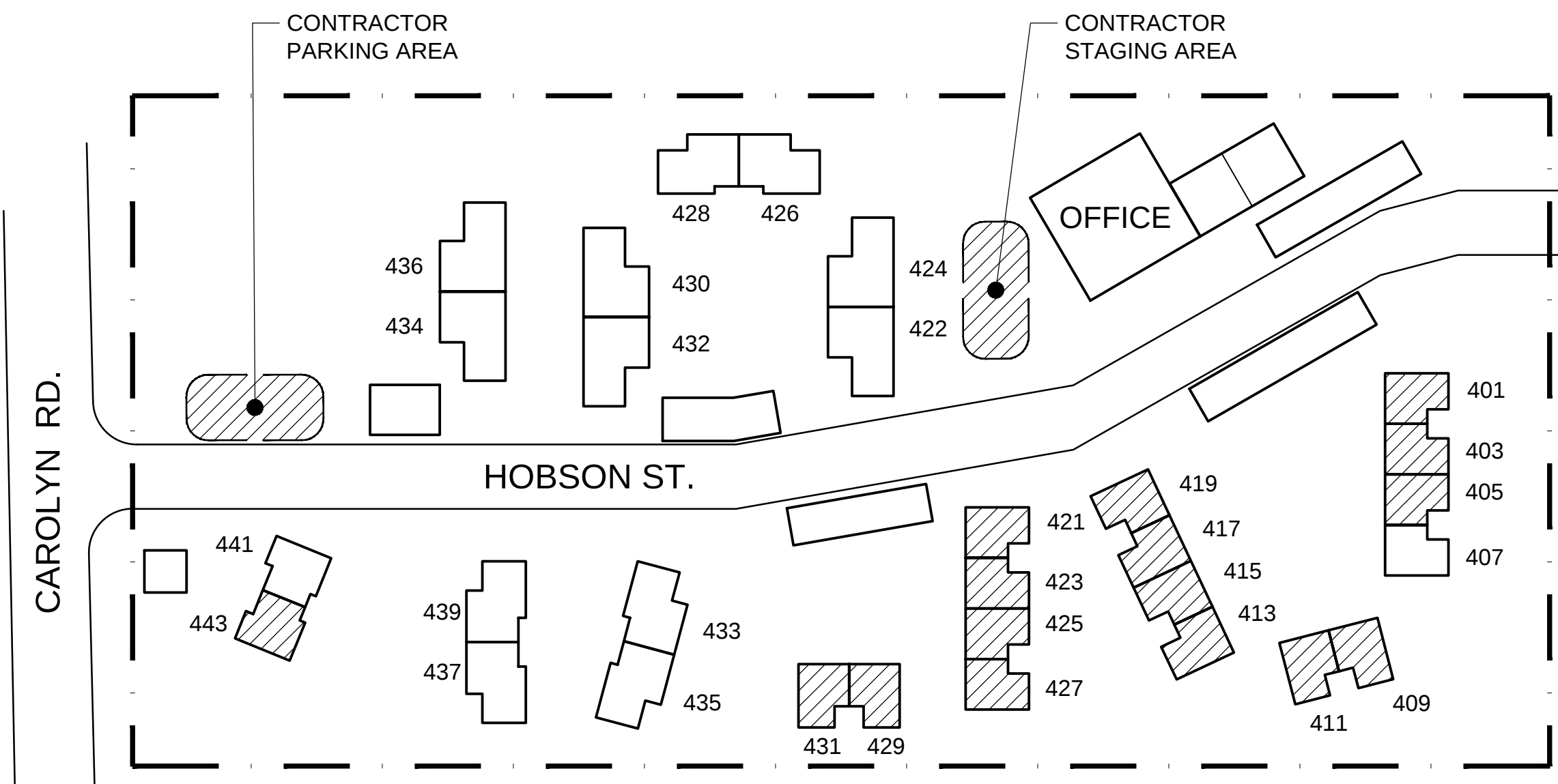


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Mechanical / Electrical



A AERIAL IMAGE SITE PLAN
1"=100'-0"



D DEVELOPMENT 002- SITE PLAN
1"=60'-0"

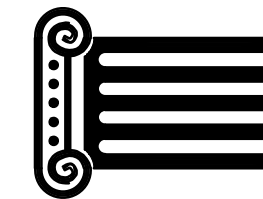
BID SCHEDULE

		No. Units
BASE BID	APARTMENTS: 401, 403, 405, 413, 415, 417, 419, 421, 423, 425, 427. Quad Buildings	11
ADDITIVE ALTERNATE NO.1	APARTMENTS: 409, 411, 429, 431. Duplex Buildings	4
ADDITIVE ALTERNATE NO.2	APARTMENT: 443. Duplex Building.	1



SEAL
SEPT. 3, 2025

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PROJECT NAME
HVAC REPLACEMENT PROJECT, HOBSON ST.
NOCONA HOUSING AUTHORITY
NOCONA, TX

SHEET TITLE
SITE PLANS & BID SCHEDULE

REVISIONS	DATE

DATE
SEPT., 2025

PLAN NO.
25-NHA

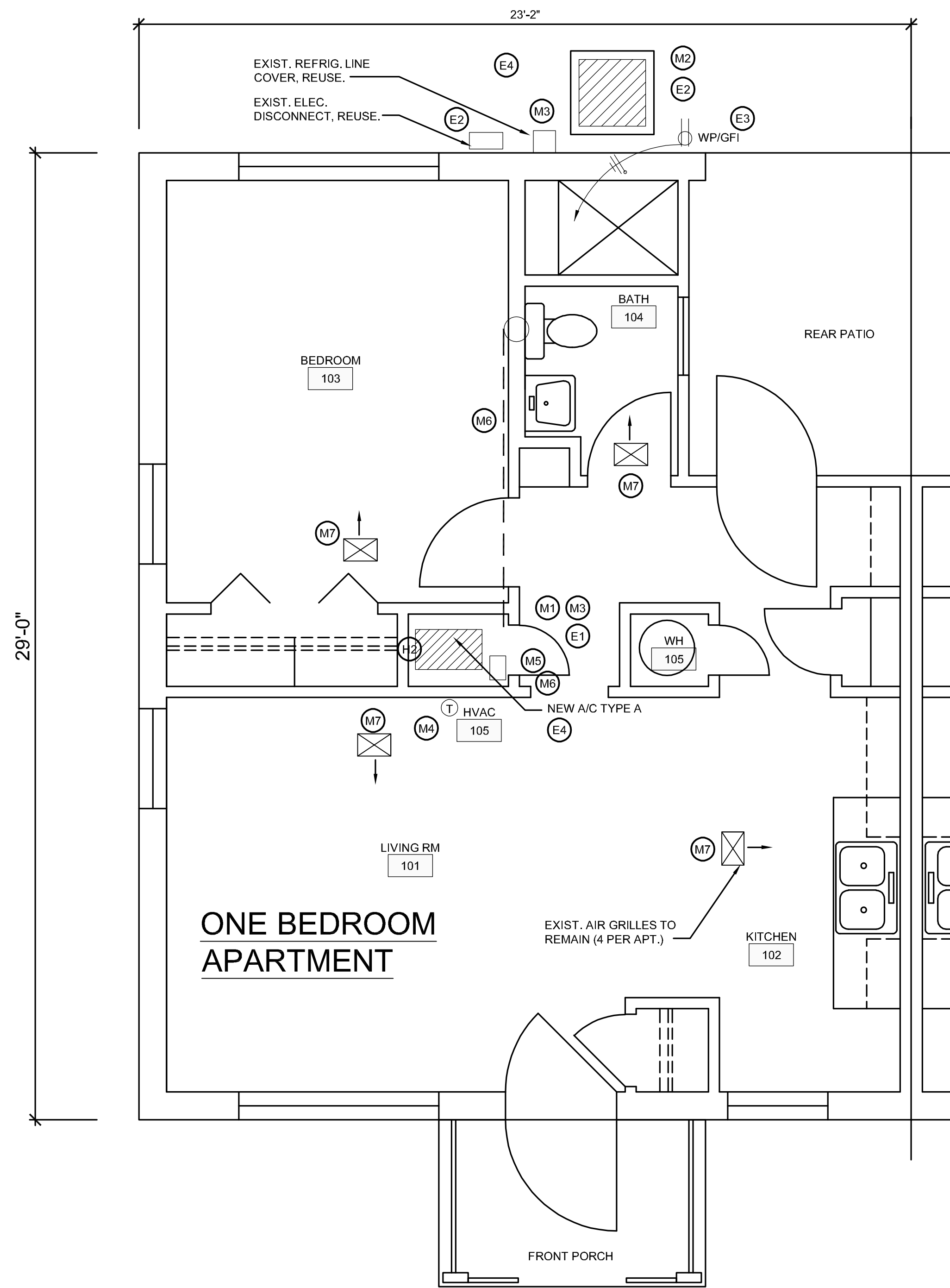
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SHEET NO.

AS1.1

SITE LEGEND:

211/ 209
APARTMENT NUMBER
BUILDING OUTLINE
UNITS IN PROJECT

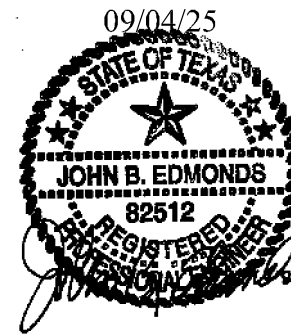


01 FLOOR PLAN ONE BEDROOM HVAC REPLACEMENT
3/8" = 1'-0" NOTE: SIMILAR UNITS ARE OPPOSITE HAND

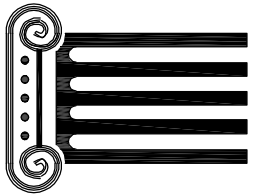
MECH. / ELEC. HVAC PLAN NOTES: (M#)

M1	DISCONNECT, REMOVE, AND DISCARD EXISTING GAS FURNACE / DX COOLING COIL AND INSTALL NEW UNIT ON EXISTING R/A PLENUM (REF. ARCH. PLANS). DISCONNECT EXISTING GAS AND CONDENSATE DRAIN PIPING AND RE-CONNECT TO NEW UNIT. DISCONNECT EXISTING S/A PLENUM AND RE-CONNECT TO NEW UNIT, PROVIDE ALL NECESSARY TRANSITIONS AS REQUIRED. DISCONNECT EXISTING FLUE AND COMBUSTION AIR, AND RE-CONNECT TO NEW FURNACE. PROVIDE NEW FILTER BOX AT THE BASE OF THE NEW FURNACE, WITH HINGED ACCESS DOOR. THE EXISTING FURNACES ARE HIGH EFFICIENCY AND CURRENTLY HAVE TWO-PIPE SYSTEM FOR FLUE AND COMBUSTION AIR. PROVIDE NEW FLUE AND COMBUSTION AIR PIPING PER MANUFACTURER. VERIFY FLUE TERMINATIONS AT THE ROOF. CONTRACTOR SHALL REPORT ANY DISCREPANCIES SUCH AS MISSING COMBUSTION AIR DUCTS, FAULTY GAS LINES. CONTRACTOR SHALL INSPECT EXISTING GAS LINES FOR LEAKS AND INTEGRITY, AND REPORT TO THE ARCHITECT IN WRITING.
M2	DISCONNECT, REMOVE, AND DISCARD EXISTING OUTDOOR CONDENSING UNIT AND PROVIDE NEW CONDENSING UNIT. EXISTING PAD TO REMAIN, VERIFY. REPORT DAMAGED OR MISSING PADS TO THE ARCHITECT IN WRITING. INSTALL CONDENSING UNIT LEVEL AND SECURE.
M3	DISCONNECT, REMOVE, AND DISCARD EXISTING REFRIGERANT PIPING BETWEEN THE EXISTING DX COOLING COIL AND THE OUTDOOR CONDENSING UNIT AND EXISTING PIPING COVER. PROVIDE NEW REFRIGERANT PIPING SIZED AND ROUTED IN STRICT ACCORDANCE WITH NEW EQUIPMENT MANUFACTURER'S INSTRUCTIONS AND LOCAL CODES. PROVIDE NEW REFRIGERANT PIPING COVER, SEE PLAN SHEET M2. SLEEVE AND SEAL WALL PENETRATIONS WATER-TIGHT. PROVIDE ¾" ARMAFLEX INSULATION ON THE SUCTION LINES.
M4	DISCONNECT, REMOVE, AND DISCARD EXISTING THERMOSTAT AND CONTROL WIRING. PROVIDE NEW THERMOSTAT AND CONTROL WIRING.
M5	EXISTING A/C CONDENSATE DRAIN PIPING TO BE REPLACED PER ARCHITECT DRAWING AND NOTES. PROVIDE ¾" INSULATION ON ANY GRAVITY CONDENSATE DRAIN PIPING AND TERMINATIONS IN ATTIC. EXTEND TO A/C COIL PRIMARY DRAIN CONNECTION. CONTRACTOR SHALL INSPECT INTEGRITY OF EXISTING CONDENSATE PIPING INSTALLATION AND TERMINATION AND REPORT TO THE ARCHITECT IN WRITING. PROVIDE ¾" INSULATION ON GRAVITY CONDENSATE DRAIN LINE FROM COIL DRAIN PAN TO PUMP INTAKE.
M6	DISCONNECT, REMOVE, AND DISCARD EXISTING CONDENSATE PUMP AND REPLACE WITH NEW PUMP SET EQUIVALENT TO THE EXISTING AND RE-CONNECT EXISTING CONDENSATE DRAIN LINE. PROVIDE INTEGRAL CHECK VALVE AT PUMP DISCHARGE.
M7	EXISTING DUCTWORK AND DIFFUSERS TO REMAIN. CONTRACTOR SHALL INSPECT THE EXISTING DUCT SYSTEMS INTEGRITY AND REPORT TO THE ARCHITECT IN WRITING. PROVIDE INSULATED BOXES IN ATTIC FOR EACH DIFUSSER IF NOT ALREADY INSULATED. ALL DUCT JOINTS NEW AND EXISTING SHALL BE SEALED WITH APPROVED DUCT SEALER.
REFRIGERANT PIPING SHALL BE TYPE L COPPER, SILVER SOLDERED.	
NEW GAS PIPING SHALL BE SCHEDULE 40 THREADED BLACK STEEL ASTM 120 WITH SCREWED FITTINGS. PROVIDED DIELECTRIC UNIONS BETWEEN DISSILILAR METALS. GAS VALVES SHALL BE PLUG TYPE WITH SQUARE HEAD, SCREWED CONNECTIONS, A.Y. MCDONALD, ASTM B16.33, ALL BRONZE BODY, BRASS PLUG, 125 PSIG.	

E1	DISCONNECT EXISTING GAS FURNACE FAN, EXISTING CIRCUIT TO REMAIN FOR RE-CONNECTION TO NEW UNIT. PROVIDE A/C RATED WALL SWITCH, AS NEEDED.
E2	DISCONNECT EXISTING OUTDOOR CONDENSING UNIT. PROVIDE NEW NEMA 3R DISCONNECT SWITCH FUSED FOR NEW CONDENSING UNIT, VERIFY. VERIFY EXISTING CIRCUIT SIZE AND CIRCUIT BREAKER FOR COMPATIBILITY WITH NEW OUTDOOR CONDENSING UNIT. REPORT ANY DISCREPANCIES TO THE ARCHITECT IN WRITING.
E3	AS "UNIT PRICE" INSTALL NEW GFI OUTLET W/ WATERPROOF COVER. EXTEND CICUIT WIRE TO EXISTING PANEL AND PROVIDE NEW 20 AMP BREAKER. VERIFY LOCAITON OF EXISTING ELECTRICAL PANEL. PROVIDE METAL CONDUIT AT EXTERIOR OF BUILDING.
E4	ALL NEW ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH NFPA 70 (NEC) AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO GROUNDING, MINIMUM WIRE SIZE, DISCONNECTING MEANS, OVERCURRENT PROTECTION.



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HVAC REPLACEMENT PROJECT, HOBSON ST.
NOCONA HOUSING AUTHORITY
NOCONA, TX

SHEET TITLE
TYPICAL ONE BEDROOM APT.; HVAC REPLACEMENT

REVISIONS	DATE

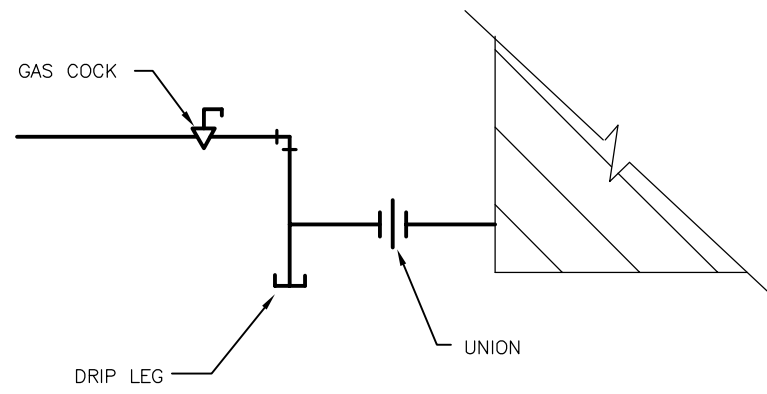
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PLAN NO.
25-NHA

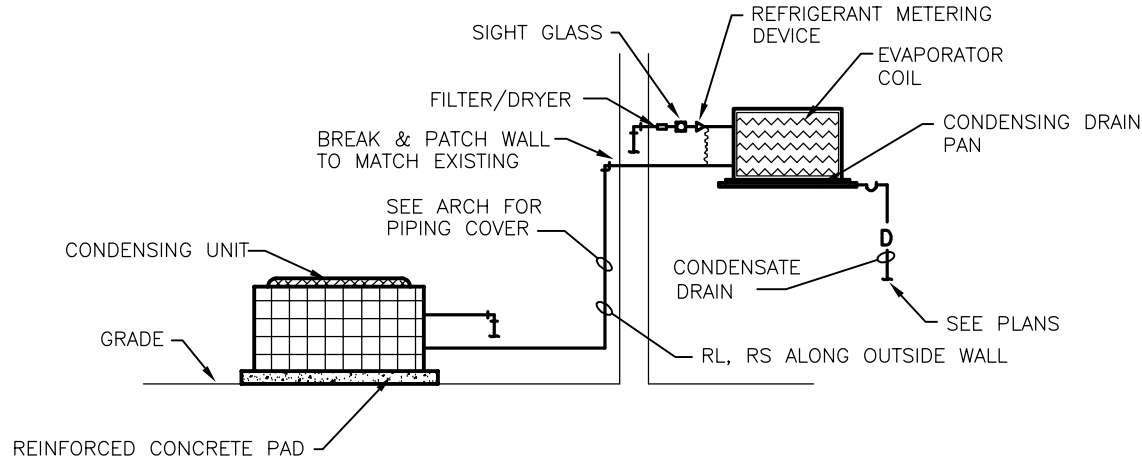
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SHEET NO.

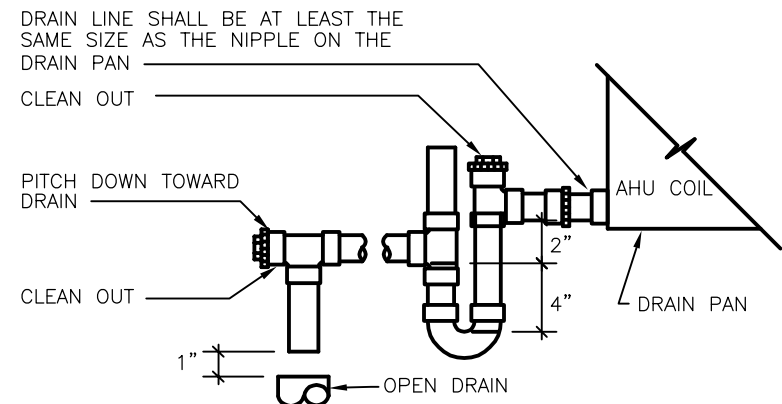
M1



A TYPICAL EQUIP. GAS CONNECTION DETAIL
NO SCALE



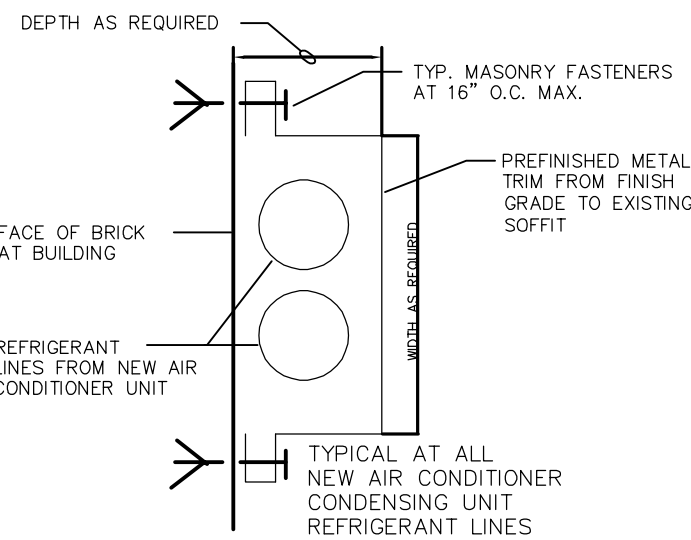
B DETAIL – CONDENSING UNIT ON GROUND
NO SCALE



C DETAIL – AHU CONDENSATE DRAIN
NO SCALE

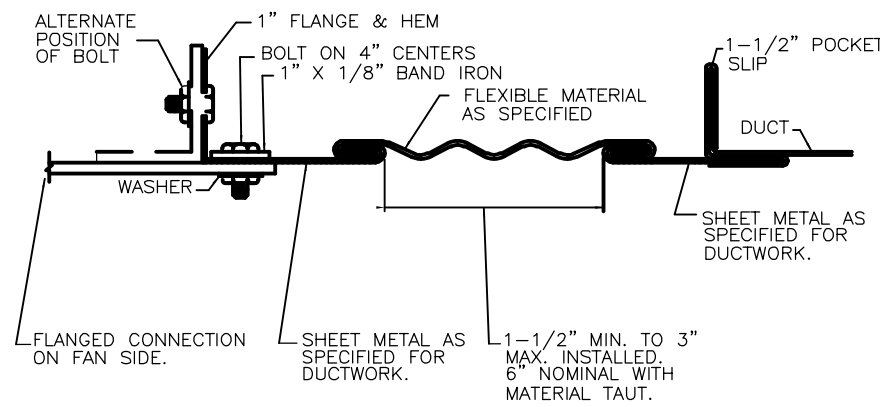
AIR CONDITIONING UNIT SCHEDULE											
NO.	CFM	EXT. S.P.	BLOWER DATA		COOLING MBH		GAS HEAT	COND. DATA	MIN. SEER	O/A CFM	REMARKS
			H.P.	VOLTS PHASE	TOTAL	SENS.	MBH	VOLTS PHASE			
A/C-A	625	0.75"	1/2	240/1	18.0	14.0	40.0	240/1	16.0	---	COMFORTMAKER N96MSN A/C N4A5S C/U

COOLING E.A.T. = 80FDB/67FWB, 95FDB OUTDOOR (ARI CONDITIONS)

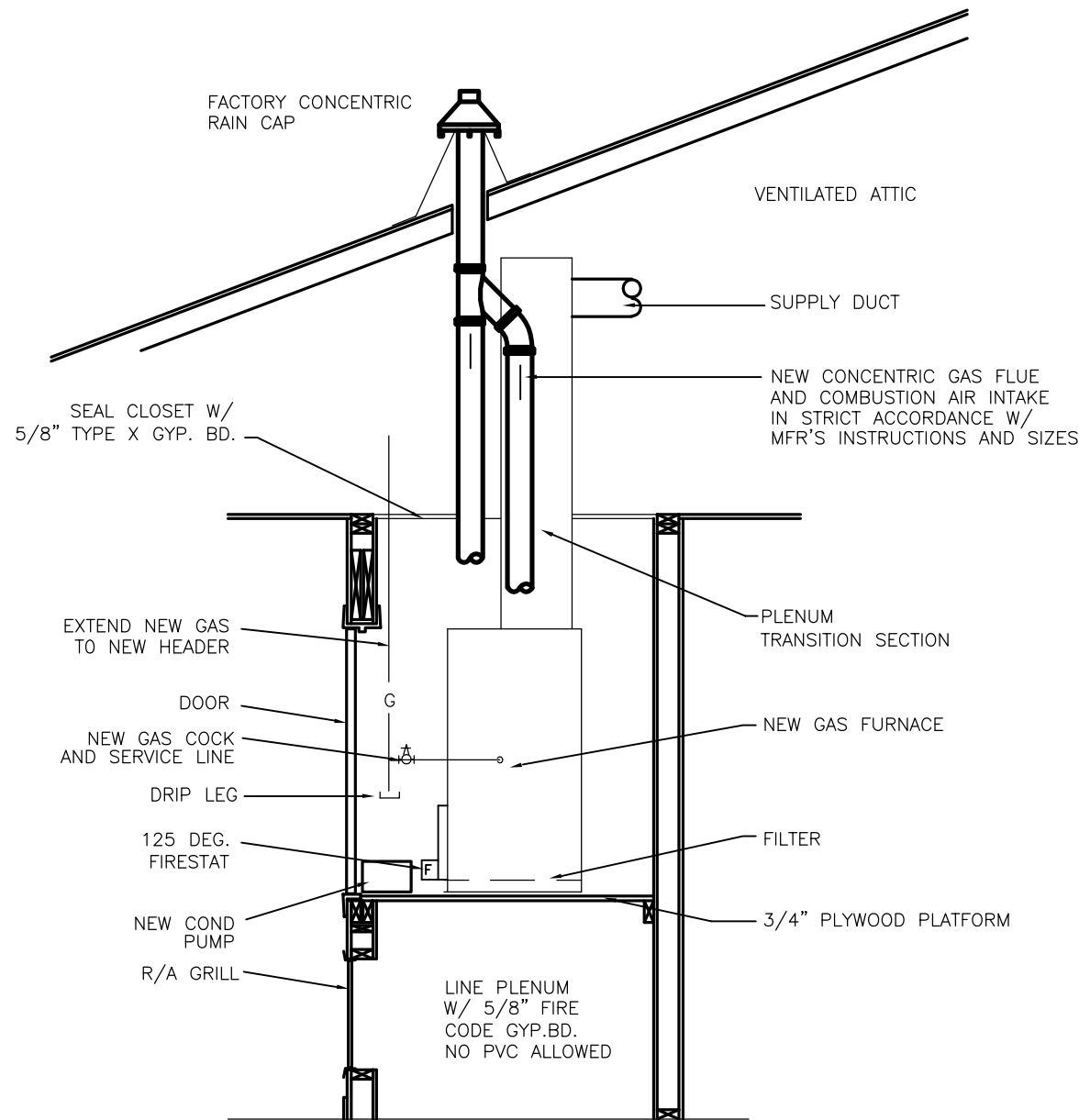


D REFRIGERANT LINE COVER DETAIL
NO SCALE

COVER TO BE USED IF REFRIGERANT LINES CAN NOT BE INSTALLED IN THE WALL STUD SPACE
PAINT COVER TO MATCH EXISTING SOFFIT



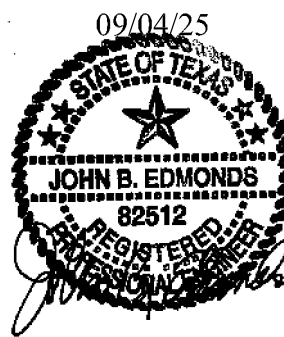
E DETAIL – FLEX DUCT CONNECTION
NO SCALE



F DETAIL – UP-DRAFT GAS FURNACE
NO SCALE

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE
	QUAD RECEPTACLE
	TELEPHONE JACK
	SINGLE POLE SWITCH
	CATV BOX & OUTLET
	JUNCTION BOX
	GROUND FAULT
	WEATHERPROOF
	ABOVE FINISHED FLOOR
	SMOKE DETECTOR
	DISCONNECT SWITCH (FUSE SIZE AS INDICATED)
	ARROW REPRESENTS: HOMERUN TO PANEL
	TICKS REPRESENT: GROUND, PHASE LEG, NEUTRAL

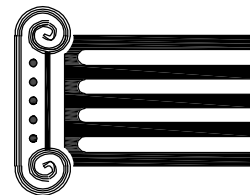
SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER OR DUCT
	RETURN AIR GRILLE, REGISTER OR DUCT
	EXHAUST AIR GRILLE, REGISTER OR DUCT
	THERMOSTAT
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	DRAIN LINE
	EXHAUST FAN
	OUTDOOR CONDENSING UNIT
	AIR UNIT
	SUPPLY AIR
	RETURN AIR
	ABOVE FINISHED FLOOR



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MEP SCHEDULES & DETAILS

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M2