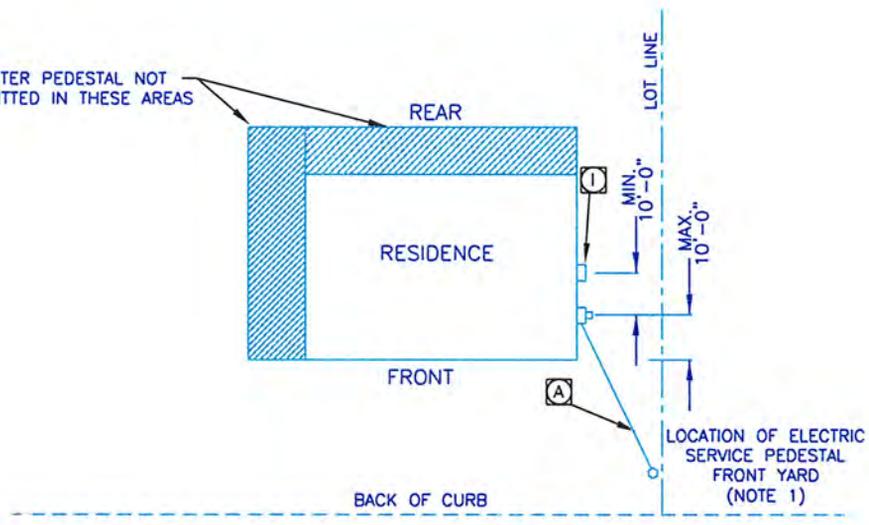
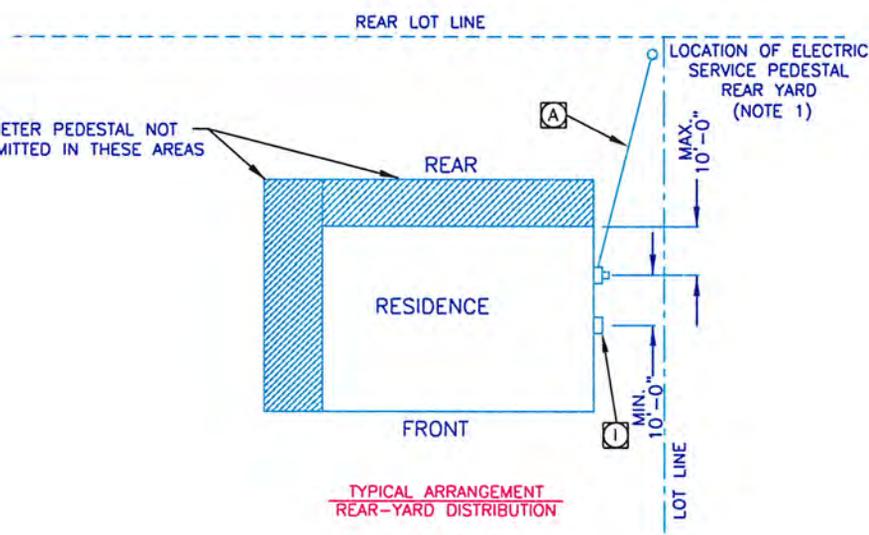


METER PEDESTAL NOT PERMITTED IN THESE AREAS

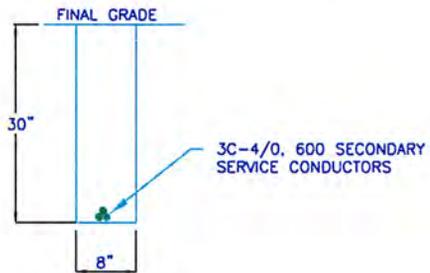


TYPICAL ARRANGEMENT  
FRONT-YARD DISTRIBUTION

METER PEDESTAL NOT PERMITTED IN THESE AREAS



TYPICAL ARRANGEMENT  
REAR-YARD DISTRIBUTION



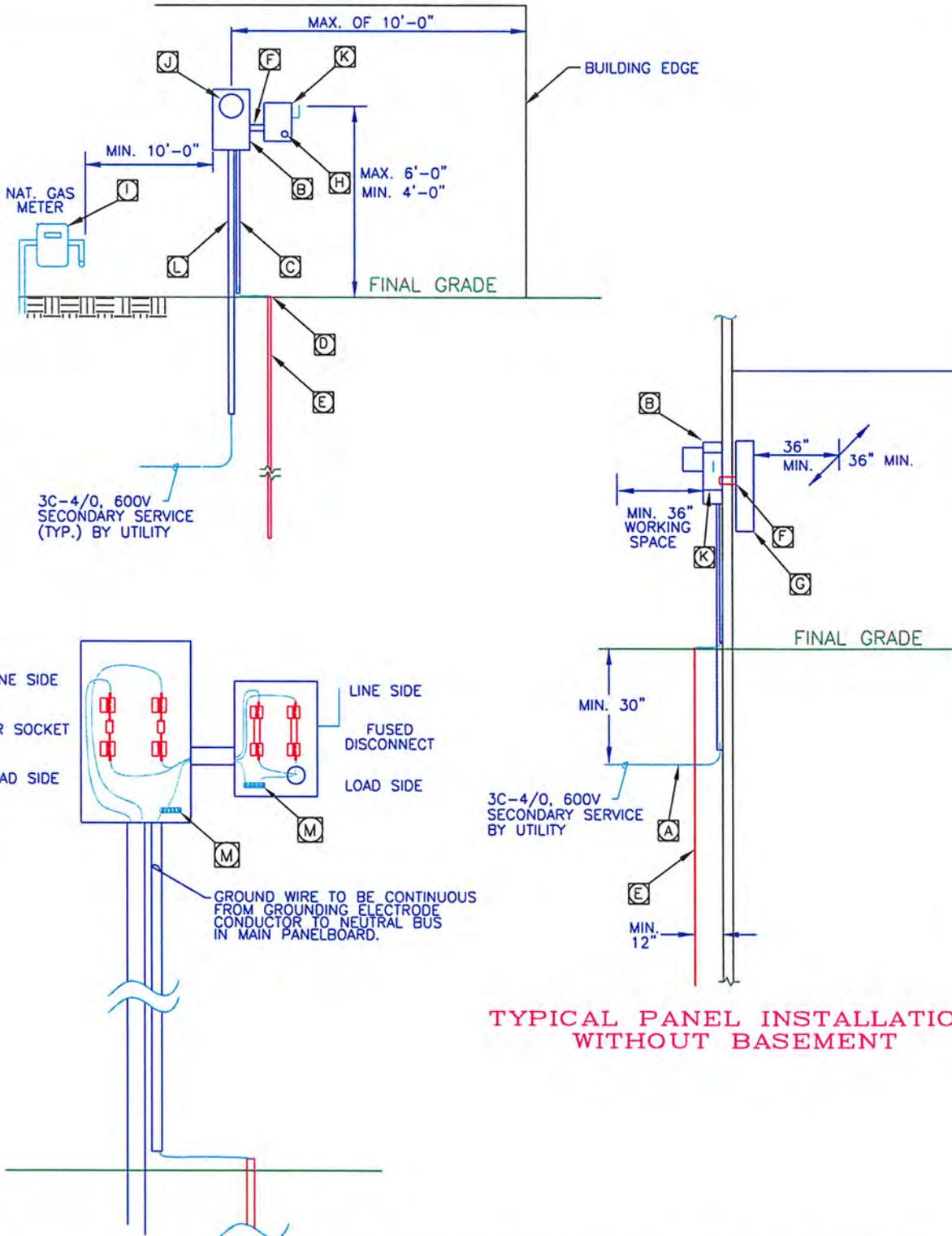
NOTE 1:  
MIRROR FOR ELECTRIC SERVICE ON  
OPPOSITE SIDE OF LOT

SECTION  
A-A

CITY OF MARSHALL  
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FAX (847) 884-8260

STANDARD:  
**RES2**  
SHEET 1 OF 5



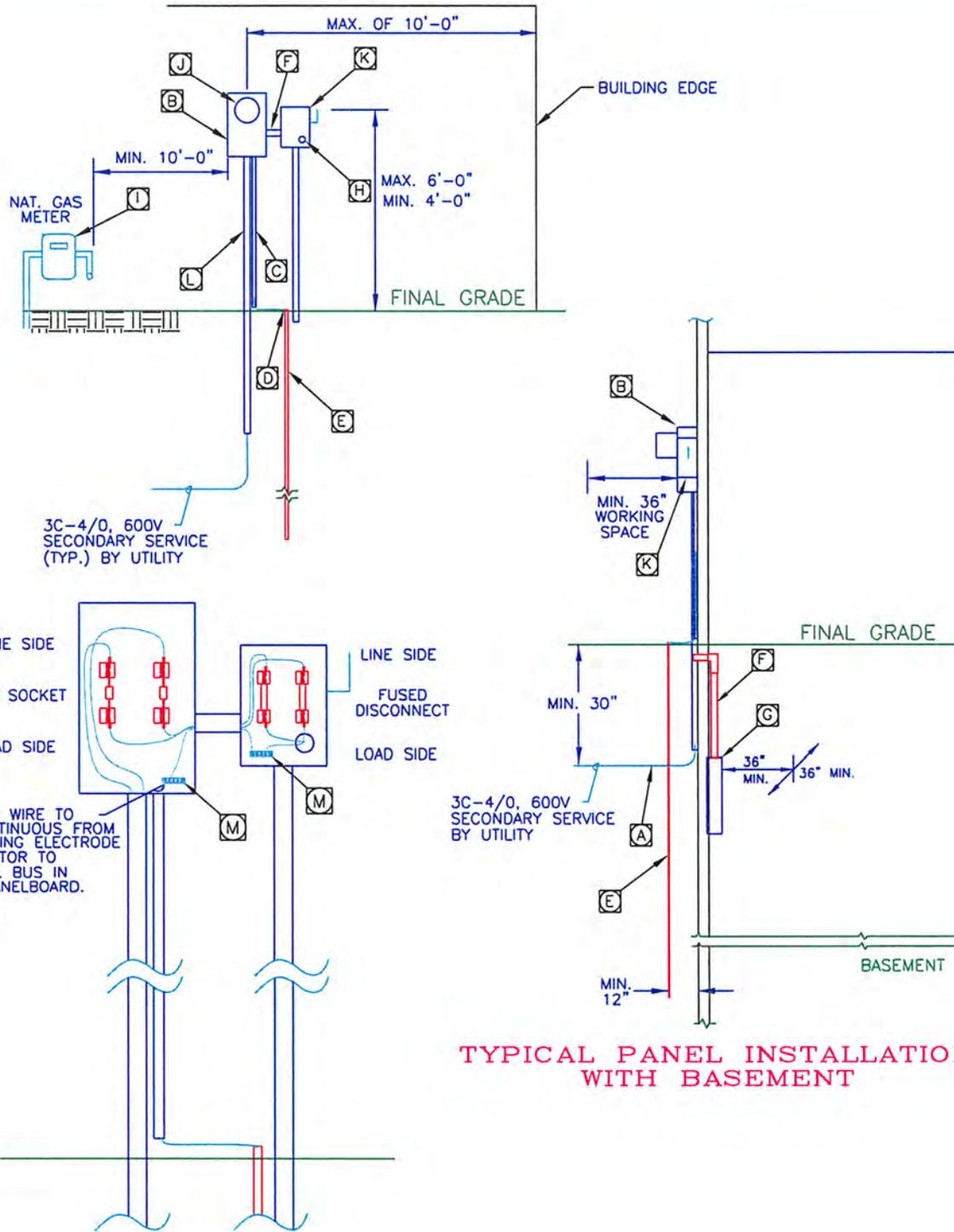
TYPICAL PANEL INSTALLATION WITHOUT BASEMENT

SEE SHEET 4 OF 5 AND SHEET 5 OF 5 FOR EQUIPMENT LEGEND AND CHECKLIST

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STANDARD:  
**RES2**  
 SHEET 2 OF 5



SEE SHEET 4 OF 5 AND SHEET 5 OF 5 FOR EQUIPMENT LEGEND AND CHECKLIST

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STANDARD:  
**RES2**

SHEET 3 OF 5

# EQUIPMENT LEGEND AND CHECKLIST

- (A) ELECTRIC UTILITY SERVICE CONDUCTORS BY UTILITY.  
ELECTRIC UTILITY TO PROVIDE TRENCH PER SECTION A-A FOR ALL NEW SINGLE FAMILY HOUSE SERVICES.  
HOMEOWNER TO PROVIDE OPEN TRENCH PER SECTION A-A FOR ALL UPGRADED SINGLE FAMILY HOUSE SERVICES.  
ELECTRIC SERVICE CONDUCTORS SHALL NOT BE INSTALLED UNDER DECKS, PORCHES, POOLS, OR ANY OTHER PERMANENT IMPROVEMENTS. THE UTILITY MAY PERMIT SOME INSTALLATIONS UNDER SUCH PERMANENT IMPROVEMENTS THROUGH THE INSTALLATION OF PVC SCH. 40 RACEWAY AT 30" BELOW GRADE, BY THE OWNER, FROM THE METER PEDESTAL ON THE HOME TO 10'-0" PAST THE OBSTRUCTION.  
ELECTRIC SERVICE CONDUCTORS SHALL NOT BE INSTALLED WITHIN 10'-0", IN ANY DIRECTION, OF A HOT TUB OR ABOVE OR BELOW SWIMMING POOLS.
- (B) 200 AMP METER SOCKET BY OWNER (METER BY UTILITY)  
200 AMP METER SOCKET - DURHAM CAT. NO. RS232 OR ANCHOR CAT. NO 1URS1804Y OR MILBANK CAT. NO. U1980-0 OVER 200 AMP - CONSULT UTILITY DEPT.  
METER SOCKET MUST BE SECURED TO BUILDING STRUCTURAL ELEMENT AND NOT JUST SIDING.  
PROVIDE MINIMUM OF 36" OF HORIZONTAL WORKING SPACE IN FRONT OF METER SOCKET.
- (C) 1/2" RIGID STEEL CONDUIT WITH CONTINUOUS GROUND ELECTRODE CONDUCTOR FOR:  
200 AMP SERVICE - NO. 6 INSULATED COPPER GROUND WIRE  
CONDUIT TO INCLUDE SUITABLE CONNECTOR AT END TO PREVENT GROUND WIRE FROM BEING PULLED OUT OF METER SOCKET  
BOND GROUND CONDUCTOR TO FUSED DISCONNECT AND METER SOCKET. EXTEND CONTINUOUSLY TO NEUTRAL BUS IN MAIN PANELBOARD
- (D) GROUND ROD CONNECTOR (MUST BE VISIBLE)  
JOSLYN CAT. NO. J8392, OR APPROVED EQUIVALENT
- (E) 5/8" X 8' COPPERWELD GROUND ROD INSTALLED IN UNDISTURBED SOIL MIN. 12" AWAY FROM BUILDING FOUNDATION
- (F) RIGID GALVANIZED STEEL, SCHED. 40 CONDUIT AND FITTINGS WITH CONDUCTORS:  
200 AMP - 2-#3/0 PHASE AND 1-#3/0 NEUTRAL THWN COPPER CONDUCTORS IN 2 INCH RGS CONDUIT  
100 AMP - 2-#3 PHASE AND 1-#3 NEUTRAL THWN COPPER CONDUCTORS IN 1-1/4 INCH CONDUIT (IDENTIFY NEUTRAL WITH WHITE TAPE)  
(A 100 AMP SERVICE WILL BE ONLY BE ALLOWED FOR SERVICE UPGRADES AND FOR LIMITED APPLICATIONS AS LISTED IN TEXT OF RULES AND ORDINANCES).

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STANDARD:  
**RES2**  
SHEET 4 OF 5

## EQUIPMENT LEGEND AND CHECKLIST (CONT.)

- G** PANELBOARD WITH MAIN LUGS ONLY (MLO)  
(PANELBOARD TO BE LOCATED NO FURTHER THAN 5 FEET FROM  
POINT OF SERVICE ENTRANCE INTO THE INTERIOR OF THE BUILDING)  
PANELBOARD TO BE SOLIDLY SECURED TO WALL AT TOP AND BOTTOM  
PROVIDE MINIMUM OF 36" OF HORIZONTAL WORKING SPACE IN FRONT  
OF PANELBOARD
- H** INSULATED RIGID GALVANIZED STEEL BUSHING CONNECTOR
- I** NATURAL GAS METER  
MINIMUM OF 10'-0" FROM SERVICE EQUIPMENT
- J** ELECTRIC METER PROVIDED BY UTILITY
- K** FUSED 200 AMP NEMA 3R DISCONNECT BY OWNER  
DISCONNECT MUST BE SECURED TO BUILDING STRUCTURAL ELEMENT  
AND NOT JUST SIDING  
PROVIDE MINIMUM OF 36" OF HORIZONTAL WORKING SPACE IN FRONT OF  
FUSED DISCONNECT.
- L** 2" RIGID GALVANIZED STEEL, SCHED. 40 CONDUIT THREADED ON BOTH ENDS WITH  
LOCK & RING BUSHINGS
- M** NEUTRAL BONDING TERMINAL

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STANDARD:

**RES2**

SHEET 5 OF 5