

Mulherin Custodial Home
2496 Halls Mill Road
Mobile, AL 36606

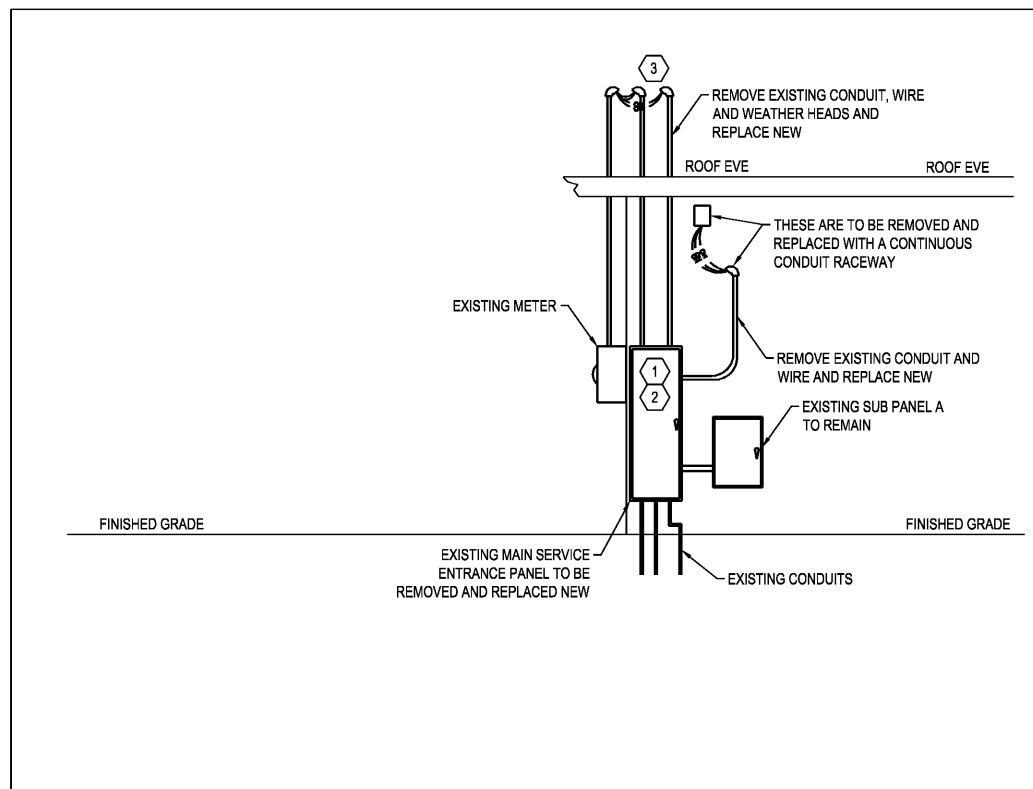
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REVISIONS	
MARK	DATE

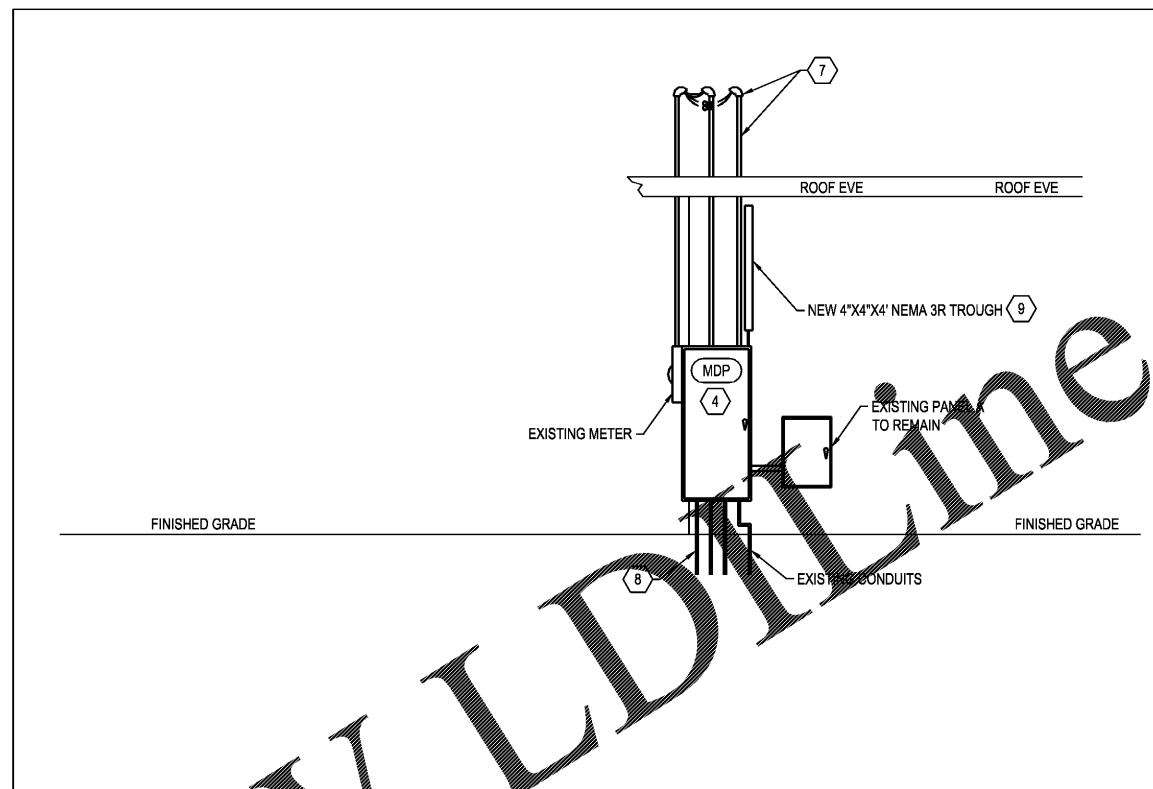
SHEET NAME
ELECTRICAL DETAILS

PROJECT NO. 2018-16
DATE SEPTEMBER 28, 2018
SHEET NO.

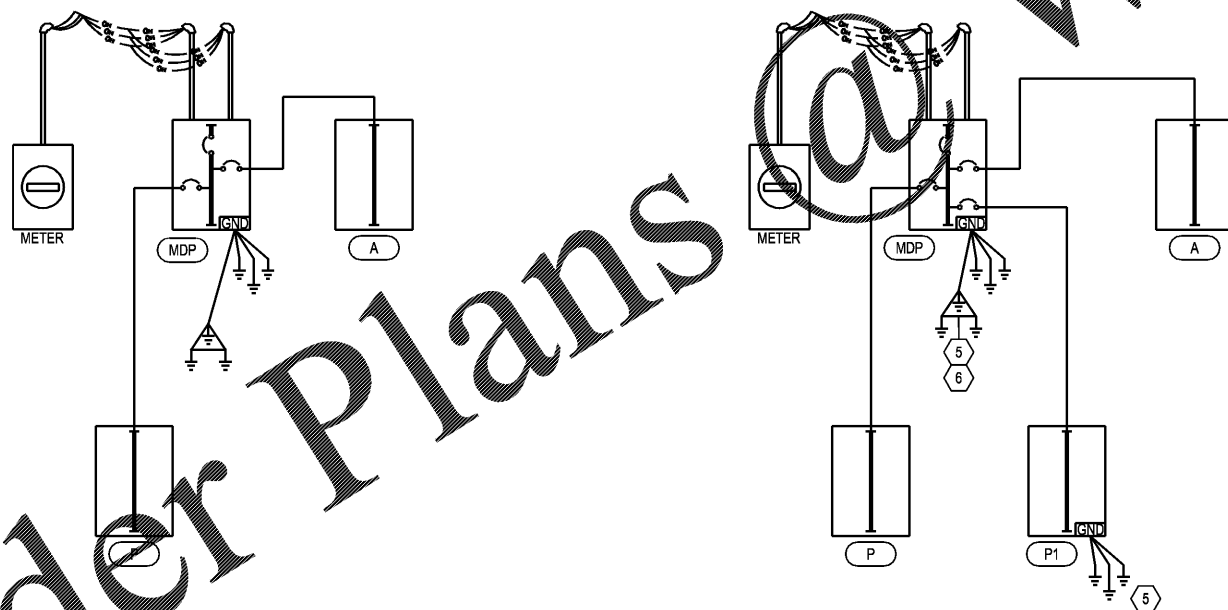
E9.0



1 EXISTING RISER ELEVATION VIEW
NOT TO SCALE



3 NEW WORK RISER ELEVATION VIEW
NOT TO SCALE



2 PARTIAL EXISTING WORK RISER DIAGRAM
NOT TO SCALE

4 PARTIAL NEW WORK RISER DIAGRAM
NOT TO SCALE

SHEET NOTES

- THE ELECTRICAL CONTRACTOR IS TO REMOVE THE EXISTING 400 AMP PANEL BOARD AND REPLACE WITH A NEW NEMA 3R 600 AMP MAIN BREAKER PANEL BOARD.
- ALL EXISTING CIRCUITS FROM PANEL MDP ARE TO BE DISCONNECTED, SECURED, AND PROTECTED AND RE-INSTALL TO THE NEW PANEL MDP.
- THE EXISTING WEATHER HEADS, RIGID CONDUIT, AND CONDUCTORS ARE TO BE REPLACED NEW.
- NEW 600 AMP MAIN BREAKER PANEL. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL ALL HARDWARE TO SECURELY MOUNT THE NEW PANEL BOARD.
- #1/0 GEC TO THREE 20' GROUND RODS ON 20' CENTERS IN EQUILATERAL DELTA ARRANGEMENT.
- #1/0 BONDS TO FOUNDATION REBAR, BUILDING WATER SERVICE AND BUILDING STEEL.
- THE ELECTRICAL CONTRACTOR IS TO INSURE THE CLEARANCE ABOVE THE ROOF LINE IS MAINTAINED PER THE NATIONAL ELECTRICAL CODE ARTICLE 230.24.
- THE ELECTRICAL CONTRACTOR IS TO BORE THE NEW CONDUIT FOR PANEL P1 FROM THE NEW PANEL MDP.
- THE ELECTRICAL CONTRACTOR IS TO REFEED THE INTERIOR PANEL WITH A NEW TROUGH. THE TROUGH IS TO BE VERTICALLY MOUNTED AND IS TO COVER THE CONDUIT PENETRATING THE BUILDING AND BE SEALED TIGHT. THE ENTRY INTO PANEL MDP IS TO BE BY A 3" MYERS HUB AND A 3" CONDUIT TO THE BOTTOM OF THE NEW TROUGH. THE EXACT LENGTH OF THE TROUGH IS TO BE FIELD VERIFIED.

NEW PANELBOARD INFORMATION SCHEDULE

MARK	ENCLOSURE TYPE	MOUNTING STYLE	VOLTAGE	Ø	WIRE	MAIN BKR	IF MLO, SERVING BKR	SERVICE RATED	AVAILABLE SCA	IAC RATING*	Ø BUS RATING (A)	N BUS RATING	FEEDER			NOTES
													CONDUCTORS	GROUND	CONDUIT	
MDP	NEMA 3R	SURFACE	240/120	3	4	600	N/A	YES	6063	10	600	100%	2 RUNS 4#350	NONE	3" EA	
P1	NEMA 1	SURFACE	240/120	3	4	200	N/A	NO	5241	10	200	100%	4#3/0	#6	2 1/2" C	
NOTES																
THE ELECTRICAL CONTRACTOR SHALL LABEL THE NEW PANEL MDP IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 110.24; AVAILABLE FAULT CURRENT 6,053 AMPS																
ALL PANELBOARDS ARE TO HAVE ARC FLASH WARNING LABEL IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ARTICLE 110.16																
ALL PANELBOARDS ARE TO HAVE COPPER BUS.																

Order Plans

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