



GENERAL NOTES:

DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF CONDUIT, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.

ALL BENDS IN DATAGOM CONDUITS SHALL BE LONG-RADIUS OR SWEEPING. PROVIDE PULL LINES IN ALL CONDUITS.

CONTRACTOR SHALL OBTAIN ALL CONSTRUCTION DETAILS FOR PRIMARY ELECTRICAL AND TRANSFORMER PAD FROM - TXU. COMPLY WITH ALL TXU SPECIFICATIONS AND INSPECTION REQUIREMENTS. (FOR BIDDING, REFER TO TXU ELECTRIC WEB SITE). TXUDELIVERY.COM/COMMUNITY/CONSTRUCT/GUIDELINES.

REFER TO CIVIL FOR SITE DEMOLITION PERTAINING TO ELECTRICAL WORK.

KEYED NOTES:

- (M1) PREINSULATED CHILLED WATER SUPPLY AND RETURN PIPING BELOW GRADE.
- (M2) AIR COOLED CHILLER. SEE DETAIL 5/M402 FOR PIPING CONNECTIONS.
- (M3) CONCRETE HOUSEKEEPING PAD BELOW CHILLER SEE STRUCTURAL DRAWINGS.
- (E1) STUB TXU DUCTBANK INTO FRONTAGE UTILITY EASEMENT. FIELD COORDINATE EXACT LOCATIONS WITH TXU AND MHSU REPRESENTATIVES. REFER TO CIVIL UTILITIES DRAWINGS.
- (E2) PROVIDE IN-GRADE PULLBOX, 36" x 36" x 42" DEEP. "QUAZITE P6", UL-LISTED TIER V, COVER LABELED "COMMUNICATIONS".
- (E3) CONTINUE UNDER SLAB TO ROOM 145 (REFER TO 4/ E401).
- (E4) (3) 4-INCH SCHEDULE 40 PVC, 30-INCH COVER, MINIMUM 2-INCH CONCRETE CAP (3000 PSI).
- (E5) EXISTING PULLBOX. VERIFY LOCATION. TERMINATE NEW CONDUITS ON THIS BOX. (VERIFY BOX SIZE IS SUFFICIENT FOR TERMINATING NEW CONDUITS PRIOR TO BID. ADVISE ARCHITECT IF NOT).
- (E6) (2) 4-INCH SCHEDULE 40 PVC, 30-INCH COVER, MINIMUM 2-INCH CONCRETE CAP (3000 PSI).
- (E7) CAP CONDUITS. PROVIDE CONCRETE MARKER 3" ABOVE GRADE WITH "COM" SCRIBED IN CONCRETE.
- (E8) (2) 4-INCH PVC CONDUITS. PROVIDE TRENCH AND CONDUITS IN ACCORDANCE WITH TXU SPECIFICATIONS/ DETAILS.
- (E9) NOT USED.
- (E10) 5-FOOT MINIMUM CLEARANCE FROM FACE OF BUILDING TO EDGE OF PAD.
- (E11) RUN ELECTRICAL POWER AND 1-1/2" CONDUIT FOR CONTROLS IN TRENCH WITH PIPING.
- (E12) OBTAIN TXU PAD DESIGN AND CONSTRUCT ACCORDINGLY. (MIN. 5- FEET FROM BUILDING TO EDGE OF PAD).
- (E13) TRIAD OF DRIVEN RODS FOR MAIN BUILDING POWER GROUNDING. (REFER TO E501).
- (E14) SECONDARY SERVICE DUCTBANK. CONCRETE ENCASED 2-INCH MINIMUM (3000PSI). PROVIDE WARNING TAPE.
- (E15) STUB (3) 4-INCH CONDUITS 2- FEET NORTH OF BOX AND CAP. (SHALL BE EXTENDED BY OTHERS - REFER TO CIVIL).
- (E16) STUB-UP WITH RIGID GALVANIZED STEEL TO WEATHERPROOF 2TIV/30A DISCONNECT FROM CIRCUIT HPA-2. MOUNT SWITCH TO BACK OF SIGN STRUCTURE APPROXIMATELY 24" ABOVE GRADE.
- (E17) LIGHTING CONTROL SWITCH MOUNTED IN A TYPE F5 BOX AT 48". SWITCH SHALL CONTROL TWO (2) TYPE "52" FIXTURES, AND SHOULD BE WIRED AS TO OVERRIDE PANEL. COORDINATE METHOD OF ATTACHMENT WITH ARCHITECT.
- (E18) THESE ELEVEN (11) TYPE "5E" BOLLARDS SHALL HOMERUN TO CIRCUIT CIRCUIT HPA-4.
- (E19) THESE 'ESA' POLE LIGHT FIXTURES ARE EXISTING ON SITE. DURING SITE PREPARATION, TAKE DOWN, STORE AND PROTECT FIXTURES. REINSTALL FIXTURES AT INDICATED LOCATION DURING CONSTRUCTION. PROVIDE SUBGRADE, REINFORCED CONCRETE BASE AROUND BELOW GRADE POLE.
- (E20) CONTRACTOR SIZE CONDUCTORS FOR VOLTAGE DROP BASED ON MAXIMUM OF 5% DROP AT ACTUAL AMPS AND ACTUAL CIRCUIT ROUTING.
- (E21) EXIT SIGN TO BE SURFACE MOUNTED CENTERED ABOVE DOORS (REF. ARCH). ROUTE CONDUCTORS AND CONDUIT INSIDE STEEL AND HOMERUN AS INDICATED.
- (E22) SEC. RECEPTACLE WITH WEATHERPROOF COVER PROVIDED AS POLE BASE OPTION.
- (P1) MAXIMUM OF 5% DROP AT ACTUAL AMPS AND ACTUAL CIRCUIT ROUTING.
- (P2) CONTINUATION BY CIVIL.

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SITE PLAN ELECTRICAL

20602
 10/26/2009
 MEP101

MECHANICAL, ELECTRICAL, PLUMBING SITE PLAN
 SCALE: 1" = 20' - 0"