



MEP1.00
MEP SITE PLAN
1" = 10'-0"

ELECTRICAL KEYED NOTES:

- 1 APPROXIMATE LOCATION OF EXISTING CENTER POINT ENERGY POWER POLE.
- 2 APPROXIMATE LOCATION OF EXISTING CENTER POINT ENERGY 120/240V DELTA HIGH LEG UTILITY TRANSFORMER POLE. EXISTING TO EXISTING POLE ON CORNER OF SGT MACARIO GARCIA DR AND NAVIGATION BLVD. TO BE FEED ADJACENT PROPERTY ACROSS NAVIGATION BLVD. CENTER POINT ENERGY SHALL COORDINATE OUTAGES TO ADJACENT PROPERTY AS REQUIRED. CONDUITS SHALL BE DEMONSTRATED FOLLOWING RELOCATION OF TRANSFORMERS.
- 3 PROPOSED LOCATION OF NEW CENTER POINT ENERGY 208Y/120V, 3Ø UTILITY TRANSFORMER POLE.
- 4 EXISTING CENTER POINT ENERGY TENSION SPAN SHALL BE EXTENDED TO NEW TRANSFORMER POLE LOCATION.
- 5 PROPOSED NEW CENTER POINT ENERGY TENSION SPAN.
- 6 APPROXIMATE LOCATION OF RELOCATED 120/240V DELTA HIGH LEG UTILITY TRANSFORMERS BY CENTER POINT ENERGY ON EXISTING CENTER POINT ENERGY POWER POLE.
- 7 EXISTING CENTER POINT ENERGY OVER HEAD POWER LINES SHALL REMAIN.
- 8 PROPOSED LOCATION OF NEW RACK MOUNTED C/T CAN AND UTILITY METER.
- 9 PROPOSED ROUTING OF NEW UNDERGROUND SECONDARY.
- 10 APPROXIMATE LOCATION OF NEW MAIN DISTRIBUTION PANEL.
- 11 APPROXIMATE LOCATION OF NEW AUTOMATIC TRANSFER SWITCH (ATS).
- 12 APPROXIMATE LOCATION OF NEW MAIN SERVICE DISCONNECT.
- 13 EXISTING GENERATOR SHALL REMAIN.
- 14 EXISTING LIGHTING POLE SHALL REMAIN. PROVIDE NEW CROCKING AS INDICATED. PROVIDE NEW SAMS AND NEW 2ØØ BALUSTS.
- 15 NEW OVERHEAD SLACK SPAN BY CENTER POINT ENERGY SHALL RE-FEED ADJACENT PROPERTY ACROSS NAVIGATION BLVD.
- 16 NEW (2) SETS OF 4 #30KCAL IN 3" UNDERGROUND PVC CONDUIT.
- 17 ROUTE CONDUIT FROM BELOW GROUND AND UP EXTERIOR WALL. FINISH EXTERIOR WALL AND ROUTE RECONNECTED TO MAIN SERVICE DISCONNECT. PROVIDE NEW SUPPORTS AS REQUIRED PER NEC.
- 18 EXISTING UNDERGROUND GENERATOR CONDUITS SHALL BE ABANDONED. PROVIDE NEW FEEDERS AS SHOWN.
- 19 EXISTING GENERATOR FEEDERS ROUTED UP THE EXTERIOR WALL AND INTO THE EMERGENCY ELECTRICAL ROOM SHALL BE REMOVED. ABANDON EXISTING 4" UNDERGROUND CONDUIT. ROUTE (2) NEW 3" PVC CONDUITS FROM THE BACK OF THE EXISTING GENERATOR TO THE NEW TRANSFER SWITCH. PROVIDE #30KCAL.
- 20 EXISTING FEEDERS FROM EXISTING GENERATOR SHALL BE REMOVED. ABANDON EXISTING 4" UNDERGROUND CONDUIT. ROUTE (2) NEW 3" PVC CONDUITS FROM THE BACK OF THE EXISTING GENERATOR TO THE NEW TRANSFER SWITCH. PROVIDE #30KCAL.

PLUMBING KEYED NOTES:

- 1 2-1/2" FERRIC WATER SERVICE ENTRY. PROVIDE SCHEDULE 40 PVC SLEEVE FOR LINES BELOW GROUND AND SERVICE YARD AREAS. REFER TO CIVIL UTILITY DRAWINGS FOR CONTINUATION BEYOND 5' OF BUILDING.
- 2 GAS METER ASSEMBLY INSTALLED BY GAS UTILITY COMPANY FOR A TOTAL CONNECTED DEMAND OF APPROX. 3984 CUBIC FEET SUPPLIED AS THE BUILDING SERVICE. REFER TO PLUMBING RISER DEMAND OF 1114 CUBIC FEET.
- 3 GAS PRESSURE REGULATOR SET TO 4oz PRESSURE FOR A DEMAND OF 1114 CUBIC FEET.
- 4 2-1/2" GAS LINE BELOW GRADE TO BUILDING. PROVIDE SCHEDULE 40 PVC SLEEVE FOR GAS LINES BELOW DRIVE AND SERVICE YARD AREAS.
- 5 GAS METER ASSEMBLY AND UTILITY GAS LINE TO BE INSTALLED AND PROVIDED BY UTILITY COMPANY.
- 6 EXISTING AREA DRAIN CATCH BASIN. FIELD VERIFY FOR EXACT SIZE AND LOCATION.
- 7 PROVIDE SPLASH BLOCK FOR DOWNSPOUT. COORDINATE WITH ARCHITECT.
- 8 CONTRACTOR SHALL FIELD FABRICATE STORM DRAINAGE TROUGH. REFER TO DETAIL 1/1201.
- 9 EXISTING AUTOMATIC TRANSFER SWITCH SHALL BE REMOVED AND RETURNED TO OWNER.
- 10 EXISTING DISCONNECT SWITCH SHALL BE REMOVED AND RETURNED TO OWNER.
- 11 EXISTING LIGHTING POLE SHALL REMAIN. PROVIDE NEW CROCKING AS INDICATED. PROVIDE NEW SAMS AND NEW 2ØØ BALUSTS.
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DBR ENGINEERING CONSULTANTS
TYPE FIRM REGISTRATION NO. 2224

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DBR Project Number: 09065.000

KP SS JT KR

ISSUE LOG

NO.	DATE	DESCRIPTION
1	05/21/09	90% CDS
2	06/22/09	ISSUE FOR PERMIT
3	08/17/09	ISSUE FOR BIDDING
4		
5		
6		

CONSULTANT(S):

NATEX CORPORATION ARCHITECTS

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PROJECT NAME:
FIRE STATION 20 INTERIOR RENOVATION PACKAGE
HOUSTON, TEXAS

SEAL(S):

CITY OF HOUSTON
GENERAL SERVICES DEPARTMENT

REVIEWED: _____

PROJECT MANAGER: _____ SPONSORING DEPARTMENT

OTHER APPROVALS:

WATER ENGINEERING: _____ TREATMENT AND TRANSPORTATION

WASTEWATER ENGINEERING: _____ STREET, GROUND & ROW ENGINEERING

STORMWATER ENGINEERING: _____ PLANNING & DEVELOPMENT

DATE: 05/21/09

W.B.S. No.: D-000000-0000-0

SCALE: AS SHOWN

DRAWN BY: _____

CHECKED BY: _____

SHEET TITLE:
MEP SITE PLAN

SHEET NO.:
12 OF 31 SHEETS

CITY DWG. NO.:

MEP1.00