



ELECTRICAL SPECIFICATIONS

16.0-ELECTRICAL SPECIFICATIONS-	
16.1-PERMITS AND OBLIGATIONS-electrical contractor(s) shall obtain and pay for all electrical permits as required by the city of Houston, Tx for the warehouse addition 7126 Kirbyville Houston, Tx 77033.	
16.2-E/C shall provide all electrical materials shown on the electrical plans for this project and all incidental items to allow for complete and properly operating electrical systems at final electrical inspection by the city of Houston, Tx	
16.3-WARRANTY-the E/C shall warranty all electrical contracting work for a period of one(1) year, referenced to the date recorded on the certificate of occupancy-issued by the city of Houston, Tx.	
16.4-GOVERNING ELECTRICAL CODES : THESE ELECTRICAL CODES SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, THE FOLLOWING : 16.4.1-CITY OF HOUSTON ELECTRICAL ORDINANCE 16.4.2-EDITION OF THE NEC CURRENTLY BEING ENFORCED BY THE CITY OF HOUSTON, TX. 16.4.3-CENTERPOINT POWER CO. SERVICE STANDARDS. 16.4.4-ELECTRICAL REQUIREMENTS FOR THE HANDICAPPED INDIVIDUALS AS IDENTIFIED IN THE AMERICAN DISABILITY ACT.	
16.5-WIRING/CONDUCTORS-EXCEPTING CONTROL WIRE, ALL MAIN SERVICE AND BRANCH CIRCUIT WIRE SHALL BE DUAL RATED, TYPE THHN/THWN(COPPER), MTW.	
16.6-CONDUIT REQUIREMENTS-SHALL BE AS FOLLOWS : 16.6.1-INSIDE BUILDING-EMT WITH SET SCREW FITTINGS 16.6.2-OUTSIDE BUILDING-EMT WITH WEATHERPROOF(WP) FITTINGS 16.6.3-UNDERGROUND-SCHEDULE 40 PVC OR RGC 16.6.4-MAIN SERVICE CONDUIT(WHEN APPLICABLE) SHALL BE AS FOLLOWS : 16.6.4.1-UP POWER COMPANY POLE-PER CENTERPOINT UTILITY/CITY OF HOUSTON-PVC(80)/RGC 16.6.4.2-UNDERGROUND-SCHEDULE 40 PVC AND PER SERVING UTILITY/CITY OF HOUSTON 16.7-WIRING JUNCTION BOXES, LIGHT SWITCHES, RECEPTACLE BOXES-STEEL CITY, BOWERS OR EQUAL..	

16.8-LIGHT FIXTURES-AS SHOWN ON ELECTRICAL PLANS OR EQUAL, APPROVED BY RESPONSIBLE ENGINEER AND ARCHITECT.
16.8.1-LIGHT FIXTURE SUPPORT CLIPS SHALL BE PROVIDED AND INSTALLED AS NOTED AND REQUIRED PER THE LIGHT FIXTURE SCHEDULE FOR THIS PROJECT.
16.9-RECEPTACLES, LIGHT SWITCHES-LEVITON, GE, HUBBELL, ARROWHART, EAGLE OR EQUAL.
16.10-ELECTRICAL PANELS, LOADCENTERS, DISCONNECTS AND OTHER SWITCHGEAR ITEMS SHALL BE GE, ITE, SQ D, CUTLER HAMMER, WESTINGHOUSE OR EQUAL.
16.11-INDIVIDUAL RECEPTACLE/BREAKER RATING-SHALL BE SUCH THAT THE AMPERE RATING OF THE CIRCUIT BREAKER SHALL NOT EXCEED THE AMPERE RATING OF EACH INDIVIDUAL RECEPTACLE.
16.12-ELECTRICAL CONTRACTOR(E/C) SHALL COORDINATE AND MAKE FINANCIAL ARRANGEMENTS FOR CONDUIT AND BOXES ROUGH-IN FOR FIRE ALARM, IF REQUIRED AND OTHER SPECIALTY SYSTEMS FOR THIS PROJECT.
16.13-ANY CONFLICTS BETWEEN PLANS AND SPECIFICATIONS SHALL BE PRESENTED TO THE ARCHITECT AND ENGINEER AND RESOLVED PRIOR TO COMMENCING ANY ELECTRICAL CONTRACTING WORK.
END OF ELECTRICAL SPECIFICATIONS

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
A	1x8 RECESSED FLUORESCENT LIGHT FIXTURE SEE LIGHT FIXTURE SCHEDULE
EGL	EMERGENCY EGRESS LIGHT FIXTURE SEE LIGHT FIXTURE SCHEDULE
X1	UNIVERSAL EXIT LIGHT FIXTURE WITH BATTERY BACK-UP-SEE LIGHT FIXTURE SCHEDULE
SD	SMOKE DETECTOR (120VAC)
18"	TELEPHONE /DATA CONNECTION-MT 18" AFF
48"	TELEPHONE /DATA CONNECTION-MT 48" AFF
RR	EXHAUST FAN (RR) /MOTOR
MT 18"	DUPLEX RECEPTACLE-MT 18" AFF-20A,125VAC
20A	20A,208V RECEPTACLE
MT 18"	GFI RECEPTACLE-MT 18" AFF CIRCUIT, 20A,125VAC
IG	RECEPTACLE ON ISOLATED GROUND
T	SINGLE POLE-120/277V-MT 48" AFF (INTERMATIC#FF12HC)
JT	INTERMATIC#FF312H, AUTO SHUT-OFF, THREE WAY 12 HR, 20A, 120/277V, SPRING WOUND TIMEER/SWITCH, MT 48" AFF
4	FOUR WAY SWITCH-MT 48" AFF
SVC	ELECTRICAL SERVICE
OS	OCCUPANCY LIGHT /MOTION SENSOR (MFG-R-P&S#WSP200-W),120/277V
L	LEVITON #DDCOS-111000W INC,1000VA FLU,120V SELF-CONTAINED COMMERCIAL GRADE CEILING MOUNT OCCUPANT SENSOR

LUMINAIRES SCHEDULE

LIGHT FIXTURE SCHEDULE-	
TYPE	DESCRIPTION
A	metalux#SSF296T8HQ-UNV-EB81--8' strip fluorescent fixture, 2968ho es lamps, 120/277V es ballast.
EGL	--emergency egress light fixture with battery back-up-surelite#fumb-1 incandescent light fixture, 120/277v ballast, universal mount, approved for wet locations, 2-8W incandescent sealed beam lamps and 90 minute lead calcium battery backup.
X1	----surelite# UNH-1-SRWDH-dual voltage 120/277V, universal mount (wall/ceiling/end mount)-exit light fixture with battery backup, red letters on white background, 2-20W, T6-11/2 intermediate base lamps and sealed lead calcium battery.

ELECTRICAL PLAN PROPOSED WAREHOUSE ADDITION
LOCATED AT
7126 Kirbyville
HOUSTON TX 77033



07/18/2010	DATE
M.A.	CHECK BY
M.A.	DRAWN BY
-----	SCALE
-----	PRO. NO.
SHEET: E-1	

ELECTRICAL PLAN

1/8"=1'-0"