ABBREVIATIONS

A	
AB	ANCHOR BOLT
ACOUS	ACOUSTICAL
ADJUST	ADJUSTABLE
ADJ	ADJACENT
AD	ACCESS DOOR
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALGLE
ANOD	ANODIZED
APPROX	APPROXIMATELY
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
ASPH	ASPHALT
ATN	ATTENUATION/ATTENUATING
AUTO	AUTOMATIC
AUX	AUXILIARY
AVE	AVENUE
AVG	AVERAGE
A/C	AIR CONDITIONING
AV	AUDIO VISUAL
B	
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BLK	BLOCK
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BRKT	BRACKET
BSMT	BASEMENT
BTW	BETWEEN
BUR	BUILT UP ROOFING
B&B	BACK TO BACK
B.M.	BENCH MARK
B/F	BOTH FACES
C	
CAB	CABINET
CB	CATCH BASIN
CCTV	CLOSED CIRCUIT TELEVISION
CEM	CEMENT
CER	CERAMIC
CFMF	COLD FORMED METAL FRAMING
CIP	CAST IN PLACE
CI PIPE	CAST IRON PIPE
CJ	CONTROL JOINT
CKBD	CHALKBOARD
CLG	CEILING
CLR	CLEAR(ANCE)
CL	CLOSET
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COL	COLUMN
COMPRES	COMPRESSIBLE
COMP	COMPOSITION
CONC	CONCRETE
COND	CONDITION
CONF	CONFERENCE
CONST	CONSTRUCTION
CONTR	CONTRACTOR
CONT	CONTINUOUS
CORRU	CORRUGATED
CORR	CORRIDOR
CG	CORNER GUARD
CSMT	CASEMENT
CTR	CENTER
CTSK	COUNTERSUNK
CT	CERAMIC TILE
CU FT	CUBIC FOOT(FEET)
CU YD	CUBIC YARD
CW	COLD/CHILLED WATER
C-C	CENTER TO CENTER
C.O.	CASED OPENING
C.W.	COOL WHITE
C.W.X.	COOL WHITE DELUXE
D	
DBL	BOUBLE
DEFL	DEFLECTION
DF	DRINKING FOUNTAIN
DIAG	DIAGONAL
DIM	DIMENSION
DISC	DISCONNECT
DISP	DISPENSER
DL	DEAD LOAD
DMPFG	DAMPPROOFING
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWC	DRYWALL FURRING CHANNEL
DWG	DRAWING
D	DEEP/DEPTH
E	
EA	EACH
EFOB	EXTERIOR FACE OF BUILDING
EJ	EXPANSION JOINT
ELAS	ELASTIC (ELASTOMERIC)
ELEC	ELECTRICAL
ELEV	ELEVATOR
EL	ELEVATION
EMER	EMERGENCY
EP	EXPLOSION PROOF
EQUIP	EQUIPMENT
EQ	EQUAL
ESR	ELASTIC SHEET ROOFING
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EW	EACH WAY
EXH	EXHAUST
EXIST	EXISTING
EXPAN	EXPANSION
EXP	EXPOSED
EXT	EXTERIOR

F	
FA	FIRE ALARM
FC	FIRE CODE
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FHC	FIRE HOSE CABINET
FH	FIRE HYDRANT
FIN	FINISH/FINISHED
FIXT	FIXTURE
FLRG	FLOORING
FLR	FLOOR
FLSHG	FLASHING
FLUOR	FLUORESCENT
F.P.W.	FLOOD PROTECTION WALL
FL	FLOW LINE
FM	FFACTORY MUTUAL
FND	FOUNDATION
FRPF	FIREPROOF(ING)
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
FS	FULL SIZE
FTG	FOOTING
FT	FOOT(FEET)
FURN	FURNISH
FURR	FURRED/FURRING
FV	FIVE VALVE CABINET
FWC	FABRIC WALL COVERING
G	
GALV	GALVANIZED
GAL	GALLON
GA	GAUGE
GC	GENERAL CONTRACTOR
GD	GUARD
GEN	GENERAL
GI	GALVANIZED IRON
GL	GLASS, GLAZING
GMP	GUARANTEED MAXIMUM PRICE
GR	GRADE, GRADING
GYP	GYPSUM
H	
HB	HOSE BIBB
HC	HOLLOW CORE
HDCP	HANDICAPPED
HDWD	HARDWOOD
HDWR	HARDWARE
HD	HEAD
HFS	HALF FULL SIZE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HT	HEIGHT
HVAC	HEATING/VENTILATING/ AIR CONDITIONING
HW	HOT WATER
I	
ID	INSIDE DIAMETER
INCAND	INCANDESCENT
INCL	INCLUDE
INFO	INFORMATION
INSUL	INSULATION/INSULATING
INT	INTERIOR
IN	INCH
IPS	INSIDE PIPE SIZE
J	
JAN	JANITOR
JST	JOIST
JT	JOINT
L	
LAM	LAMINATE(D)
LAV	LAVATORY
LGTH	LENGTH
LH	LEFT HAND
LV	LEVEL
LIN	LINEAR
LL	LIVE LOAD
LT	LIGHT
LVR	LOUVER
LWT	LIGHTWEIGHT
M	
m	METER
mm	MILLIMETER
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	METAL LATH
MLDG	MOULDING
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
N	
NIC	NOT IN CONTRACT
NOM	NOMINAL
NO. or #	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE

O	
OA	OVERALL
OC	ON CENTRE(S)
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED/ OWNER INSTALLED
OH	OVERHEAD
OP	OPERABLE PARTITION
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
O.S.	OVERFLOW SCUPPER
OU	UNIVERSITY OF OKLAHOMA
O/A	OUTSIDE AIR
P	
PART	PARTITION
PCF	POUNDS PER CUBIC FOOT
PCP	PORTLAND CEMENT PLASTER
PCT	PORCELAIN CERAMIC TILE
PERF	PERFORATED
PLAST	PLASTER
PLAS	PLASTIC
PLBG	PLUMBING
PLWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PRKG	PARKING
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVMT	PAVEMENT
P.L.	PROPERTY LINE
P.LAM	PLASTIC LAMINATE
P/C	PRECAST
PFP	PREFINISHED PANEL
Q	
QT	QUARRY TILE
R	
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REBAR	REINFORCING BAR
RECEPT	RECEPTION
RECEP	RECEPTACAL
RECOM	RECOMMENDATION
REC	RECESSED
REG	REGULATION
REINF	REINFORCED
REQD	REQUIRED
RES	RESILENT
RET	RETURN
REV	REVISION
RE	REFER TO
RFG	ROOFING
RH	RIGHT HAND
R	RISER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RAD	RADIUS
R/AG	RETURN AIR GRILLE
R/A	RETURN AIR
S	
SCHED	SCHEDULE
SC	SOLID CORE
SECT	SECTION
SF	SQUARE FEET
SHLV	SHELVES/SHELVING
SHTHG	SHEATING
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SSTL	STAINLESS STEEL
STAB	STABILIZE(D)
STA	STATION
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE/STRUCTURAL
SUSP	SUSPENDED
SW	SWITCH
SYN	SYNTHETIC
S/AD	SYPPLY AIR DIFFUSER
T	
TCOC	TEXTURE COATING ON CONCRETE
TC	TOP OF CURB
TEL	TELEPHONE
TEMP	TEMPERED
THK	THICKNESS)
THRESTHRESHOLD	
TKBD	TACKBOARD
TOS	TOP OF STEEL
TOSS	TOP OF STRUCTURAL SLAB
TRANSTRANSFORMER	
TRZO	TERRAZZO
T	TREAD
TS	TUBE STEEL
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TYP	TYPICAL
U	
UL	UNDERWRITERS LABORATORY
UR	URINAL
V	
VAC	VACUUM
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VWC	VINYL WALLCOVERING
W	
WC	WATER CLOSET
WDW	WINDOW
WD	WOOD
WF	WIDE FLANGE
WH	WALL HUNG
WI	WROUGHT IRON
WP	WATERPROOF/WATERPROOFING
WR	WATER RESISTANT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
W.P.	WORK POINT
W.W.	WARM WHITE
W.W.X.	WARM WHITE DELUXE
W/I	WITHIN
W/	WITH
X	
XFMR	TRANSFORMER

ABBREVIATIONS

℄	CENTRELINE
@	AT
[	CHANNEL
ø	ROUND/DIAMETER
ℙ	PLATE
∠	ANGLE
&	AND
/	PER
□	SQUARE
±	PLUS OR MINUS

STANDARD ABBREVIATIONS | 10

REFERENCE SYMBOLS

NORTH ARROW

2/A5.01 — DETAIL REFERENCE; SHEET NUMBER; DETAIL NUMBER

2/A2.10 — ELEVATION (INTERIOR AND EXTERIOR)

2/A3.01 — BUILDING SECTION

2 / A3.1 — WALL SECTION

2 / A3.1 — DETAIL REFERENCE

2/A3.05 — ENLARGED DETAIL

LOBBY 101 — ROOM IDENTIFICATION

B3 — PARTITION TYPE (RE: PARTITION SCHEDULE FOR DESCRIPTION)

101 / A — ROOM/ROOM NUMBER; DOOR ID/TYPE

2 — ACCESSORY/PLAN/ KEYED NOTE

BREAK LINE

2 — REVISION NUMBER AND AFFECTED AREA

EL. 28'-0" T.O.S. — VERTICAL ELEVATION

EL. 18'-0" EXISTING — EXISTING ELEVATION

EL. 18'-0" — NEW ELEVATION

STANDARD REFERENCE SYMBOLS | 8

BUILDING CODES:

CODES:

Building Code	2006 International Building Code / with Montgomery County Amendments	
Fire Code	2006 International Fire Code	
Electrical Code	2003 National Electrical Code	1
Plumbing Code	2003 Uniform Plumbing Code / with City of Houston Amendments	
Mechanical Code	2003 Uniform Mechanical Code / with City of Houston Amendments	
Energy Code	2003 International Energy Conservation Code	

Americans with Disabilities Act, 28 CFR Part 36, Non-discrimination on the basis of disability by Public accomodations and in Commercial Facilities.
Final Rule dated July 26, 1991.

PROJECT DATA:

BUILDING ADDRESS:	20 WATERWAY AVENUE THE WOODLANDS, TEXAS, 77380	
BUILDING OWNER:	The Woodlands Development Corporation 24 Waterway Avenue, Suite 1100 The Woodlands, TX 77380	(713) 719-6300
LAND AREA:	N/A	
BUILDING GROSS AREA:	N/A	
PROJECT AREA TOTAL:	3,386 SF	
OCCUPANCY TYPE:	A-2	
OCCUPANT LOAD:	167	
CONSTRUCTION TYPE:	1-A	
BUILDING AREA / HEIGHT:	2 STORY	
SPRINKLERED:	YES	
EGRESS WIDTH REQUIRED:	167 OCC. X .15 INCHES = 25 INCHES OR 44" CLEAR, WHICHEVER IS GREATER.	
EGRESS WIDTH PROVIDED:	180 INCHES	

PARKING:
10 SPACES PER 1000/SF OF RESTAURANT:(2,432/1000) = 20

HANDICAPPED PARKING REQUIRED: BETWEEN 51-75 SPACES:		1 (1 Van)
PARKING PROVIDED:		N/A
HANDICAPPED PARKING PROVIDED		N/A

PLUMBING FIXTURE REQUIREMENTS: 1

WATER CLOSETS REQUIRED:	167/75=	3 (1 male, 2 female)
WATER CLOSETS PROVIDED:		3 (1 male, 2 female)
LAVATORIES REQUIRED:	167/200=	2 (1 male, 1 female)
LAVATORIES PROVIDED:		2 (1 male, 1 female)

PROJECT DATA | NTS | 5

SHEET INDEX

GENERAL INFORMATION

A0.00 GENERAL INFORMATION
A0.02 SCHEDULES & PARTITION SCHEDULES
A0.03 ADA DATA

ARCHITECTURAL

A2.00 FLOOR PLAN
A2.01 MEZZANINE AND ROOF PLAN
A2.02 LIFE SAFETY PLAN
A2.05 FINISH FLOOR PLAN
A2.50 ENLARGED PLANS & DETAILS
A3.00 REFLECTED CEILING PLAN
A4.00 BUILDING SECTIONS
A4.01 BUILDING SECTIONS
A4.50 INTERIOR ELEVATIONS
A5.00 SCHEDULES
A6.00 STAIR SECTIONS & DETAILS
A6.20 MILLWORK DETAILS
A6.30 CEILING DETAILS
A6.31 CEILING DETAILS
A7.00 EXTERIOR ELEVATIONS
A7.01 EXTERIOR ELEVATIONS
A8.00 WINDOW & DOOR DETAILS

STRUCTURAL

S1.00 GENERAL NOTES
S2.00 1ST FLOOR PARTIAL FRAMING PLAN
S2.01 MEZZANINE FRAMING PLAN AND FRAMING DETAILS
S2.10 ROOF PARTIAL FRAMING PLAN
S3.00 FRAMING DETAILS
S3.01 SCREEN WALL FRAMING DETAILS

MECHANICAL

M1.00 MECHANICAL FLOOR PLAN
M1.01 MECHANICAL MEZZANINE PLAN
M1.02 MECHANICAL ROOF PLAN
M2.00 MECHANICAL DETAILS
M3.00 MECHANICAL SCHEDULES

ELECTRICAL

E1.00 ELECTRICAL LIGHTING PLAN
E1.01 ELECTRICAL MEZZANINE PLAN
E2.00 ELECTRICAL POWER PLAN
E2.01 ELECTRICAL KITCHEN PLAN
E2.02 ELECTRICAL MEZZANINE PLAN
E2.03 ELECTRICAL ROOF PLAN
E3.00 DIMMING SYSTEM SCHEMATIC
E4.00 ELECTRICAL RISER DIAGRAM
E5.00 ELECTRICAL DETAILS
E6.00 ELECTRICAL SPECIFICATIONS

PLUMBING

P1.00 PLUMBING FLOOR PLAN
P1.01 PLUMBING MEZZANINE PLAN
P2.00 PLUMBING SCHEDULES
P3.00 PLUMBING DETAILS
P4.00 PLUMBING GAS RISER & DETAILS
P5.00 PLUMBING SCHEDULES

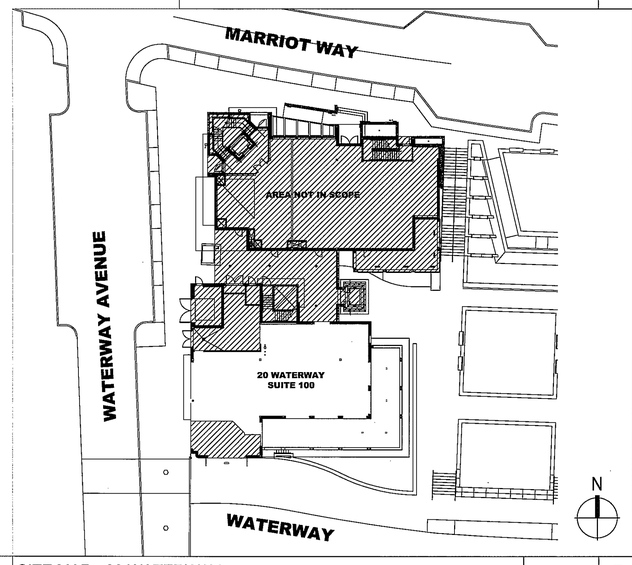
FOOD SERVICE

FS - 1 FOOD SERVICE EQUIPMENT PLAN
FS - 2 FOOD SERVICE PLUMBING PLAN
FS-3 FOOD SERVICE ELECTRICAL PLAN
CA-1 CAPTIVE AIRE
CA-2 CAPTIVE AIRE
CA-3 CAPTIVE AIRE
CA-4 CAPTIVE AIRE

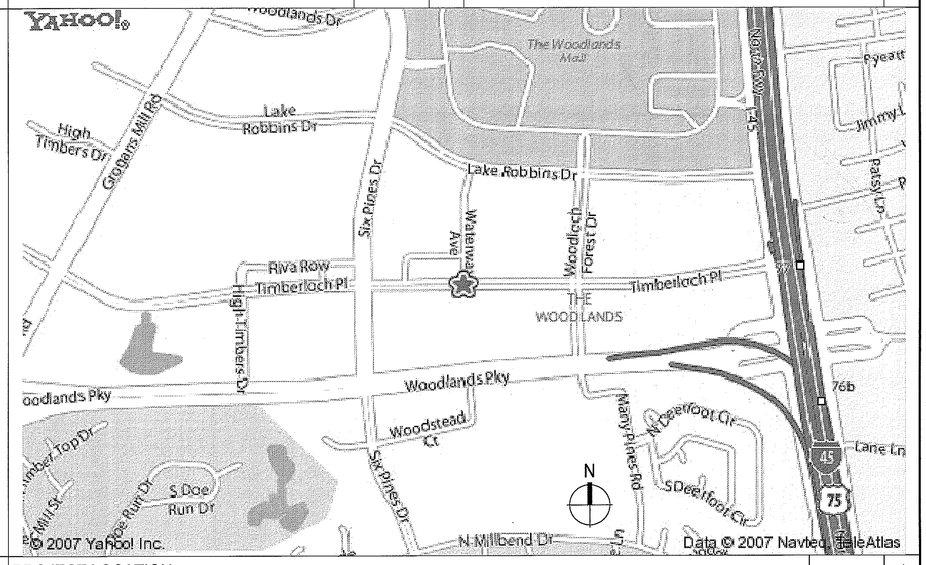
DRAWING INDEX | 3

PROJECT CONSISTS OF INTERIOR CONSTRUCTION, LOCATED ON THE STREET LEVEL OF A TWO STORY STRUCTURE, FOR A 3,386 GSF. RESTAURANT IN THE WOODLANDS, TX.

PROJECT DESCRIPTION | 2



SITE MAP - 20 WATERWAY | NTS | 7



PROJECT LOCATION | NTS | 1

REGISTERED ARCHITECT MARY C. HARRELL 10028 STATE OF TEXAS 10/22/10

ISSUE	
09-09-2010 Permit	1
10-19-2010 MEP Review Corrections	1
10-22-2010 Construction	2

HARRELL ARCHITECTS, LP
9575 Katy Frwy., #200
Houston, Texas 77024
tel: 713.722.7071
fax: 713.722.7072

CONSULTANTS

Holste & Associates, Inc
MEP Engineers

TDG
Food Service

Paul Engineering
Structural Engineers

PROJECT NAME

LUCA & LEONARDO RESTAURANT

LUCA & LEONARDO RISTORANTE

PROJECT ADDRESS

20 WATERWAY
THE WOODLANDS, TEXAS

PROJECT NUMBER

10018

SHEET NAME

GENERAL INFORMATION

SHEET NUMBER

A0.00