



DUNKIN' BRANDS™  
[eatdrinkthink™]

448 MAIN STREET  
WATERTOWN, MASSACHUSETTS

Middlesex County

SEPTEMBER 11, 2012

FOR CONSTRUCTION

REVISED: SEPTEMBER 27, 2012

REVISED: NOVEMBER 12, 2012

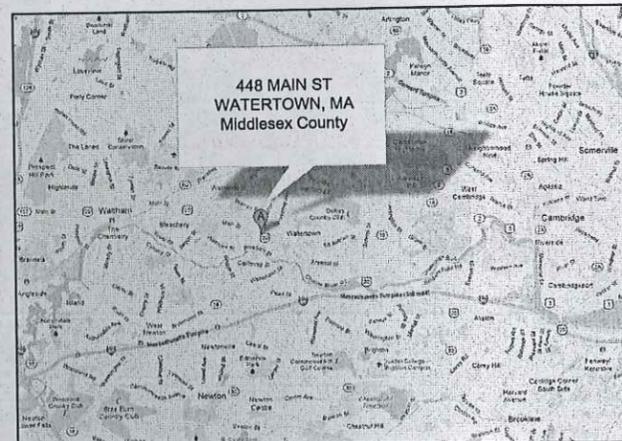
REVISED: DECEMBER 12, 2012

Project Design by:



AHARONIAN & ASSOCIATES INC.  
ARCHITECTS

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7  
T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM



RECEIVED  
JAN 15 2013  
BOARD OF APPEALS  
WATERTOWN, MA

INDEX OF DRAWINGS

REV1 REV2 REV3

DWG\_NO DESCRIPTION

DWG_NO	DESCRIPTION	REV1	REV2	REV3
C1.1	SITE PLAN	X	X	X
L1.1	LANDSCAPE PLAN			X
D1.1	DEMOLITION FLOOR PLAN	X	X	
D1.2	DEMOLITION CEILING PLAN			
A1.1	FLOOR PLAN, DOOR SCHEDULE & DETAILS	X	X	
A1.2	FLOOR FINISH PLAN	X	X	
A1.3	REFLECTED CEILING PLAN & LIGHTING SCHED	X	X	
A2.1	INTERIOR ELEVATIONS	X	X	
A3.1	EXTERIOR ELEVATIONS		X	
A3.2	EXTERIOR & SIGN ELEVATIONS		X	
A4.1	WALL SECTIONS		X	
S1.1	FOUNDATION PLAN & DETAILS	X	X	
S1.2	ROOF FRAMING PLAN & DETAILS		X	
K1.1	EQUIPMENT PLAN	X	X	
K1.2	EQUIPMENT SCHEDULE & NATIONAL ACCOUNTS	X	X	
M1.1	EXHAUST HOOD DETAILS & HVAC PLAN		X	
P1.1	PLUMBING PLAN & DETAILS	X	X	
E0.1	GENERAL ELECTRICAL NOTES			
E1.1	POWER & POS COMMUNICATIONS PLAN	X	X	

ABBREVIATION INDEX

&	AND	DR.	DOOR	MAS	MASONRY	RA	DUNKIN' BRANDS	VB	VINYL BASE
©	AT	DS	DOWN SPOUT	MAX	MAXIMUM	RAD	RADIUS	VCT	VINYL COMPOSITION TILE
A/C	AIR CONDITIONING	DWG	DRAWING	MECH	MECHANICAL	REF	REFRIGERATOR	VERT	VERTICAL
AD	AREA DRAIN	EA	EACH	MTL	METAL	REINF	REINFORCING	VIF	VERIFY IN FIELD
AF	ABOVE FLOOR	EL	ELEVATION	MFR	MANUFACTURER	REV	REVISION	VWC	VINYL WALL COVERING
ALUM	ALUMINUM	ELEC	ELECTRICAL	MIN	MINIMUM	REQD	REQUIRED	W/	WITH
ALT	ALTERNATE	EQ	EQUAL	MISC	MISCELLANEOUS	RES	RESILIENT	WC	WATER CLOSET
APPROX	APPROXIMATE	EQUIP	EQUIPMENT	MO	MOUNTED	RM	ROOM	WD	WOOD
BD	BOARD	ETR	EXIST TO REMAIN	MTD	MOUNTED	RO	ROUGH OPENING	W/O	WITHOUT
BLDG	BUILDING	EXIST	EXISTING	NIC	NOT IN CONTRACT	SCHED	SCHEDULE	WP	WATERPROOFING
BM	BEAM	EXT	EXTERIOR	NO	NUMBER	SEC	SECTION	WT	WEIGHT
BSMT	BASEMENT	FCB	FIBER CEMENT BD	NOM	NOMINAL	SFT	SQUARE FOOT	WWF	WELDED WIRE FABRIC
BTWN	BETWEEN	FD	FLOOR DRAIN	NTS	NOT TO SCALE	SHT	SHEET		
BOT	BOTTOM	FIN	FINISH	OA	OVERALL	SIM	SIMILAR		
CL	CENTER LINE	FL	FLOOR	OC	ON CENTER	SPEC	SPECIFICATION		
CT	CERAMIC TILE	FO	FACE OF	OD	OUTSIDE DIAMETER	SQ	SQUARE		
CLG	CEILING	FT	FOOT	OPNG	OPENING	STD	STANDARD		
CLOS	CLOSET	FURN	FURNITURE	OPT	OPTIONAL	STL	STEEL		
CM	CONSTRUCTION MGR	GA	GAUGE	PL	PLATE	STRUCT	STRUCTURAL		
CMU	CONC MASONRY UNIT	GALV	GALVANIZED	PLAM	PLASTIC LAMINATE	SUSP	SUSPENDED		
COL	COLUMN	HDWD	HARDWOOD	PLUMB	PLUMBING	TEL	TELEPHONE		
CONC	CONCRETE	HDR	HEADER	PLYWD	PLYWOOD	THK	THICK		
CONT	CONTINUOUS	HM	HOLLOW METAL	PR	PAIR	THRU	THROUGH		
CONST	CONSTRUCTION	HORIZ	HORIZONTAL	PROP	PROPERTY	TOP	TOP OF PLATE		
DEPT	DEPARTMENT	HGT	HEIGHT	PSF	PER SQUARE FOOT	TOS	TOP OF STEEL		
DTL	DETAIL	ID	INSIDE DIAMETER	PSI	PER SQUARE INCH	TOSL	TOP OF SLAB		
DF	DRINKING FOUNTAIN	INSUL	INSULATION	PTD	PAINTED	TRT	TREATED		
DIA/Ø	DIAMETER	INT	INTERIOR	PVC	POLY VINYL CHLORIDE	TYP	TYPICAL		
DIM	DIMENSION	JT	JOINT	QT	QUARRY TILE				

PC #  
310289

FRANCHISEE  
DAVID CARVALHO  
Riverside Management Group LLC  
414 Main Street  
Watertown, MA 02472  
OFFICE: (617) 972-6100

CONSTRUCTION MANAGER  
Vernon Langley  
NE Construction Manager  
DunkinBrands

REVIEWED FOR DESIGN  
CONFORMANCE ONLY

APPROVAL FOR THESE PLANS BY DUNKIN' DONUTS DOES NOT IMPLY THAT DUNKIN' BRANDS HAS REVIEWED THEM FOR CONFORMITY TO APPLICABLE CODES OR REGULATIONS.

- APPROVED
- APPROVED AS NOTED:  
Submit Record Copy for Archives
- DISAPPROVED AS NOTED:  
Revise and Resubmit
- INCOMPLETE INFORMATION:  
Add requested information and resubmit

DUNKIN' BRANDS  
Construction Manager

Date: \_\_\_\_\_

Notes: \_\_\_\_\_

GRAPHIC SYMBOLS

	PARTITION TYPE		KEYED PLAN NOTES
	INTERIOR ELEVATION NUMBER/SHEET		ROOM NAME ROOM NUMBER
	SECTION OR DETAIL KEY NUMBER/SHEET		FINISH NUMBER
	DETAIL KEY		DOOR TYPE
	ETR CONSTRUCTION		EQUIPMENT TAG
	EXIST CONSTRUCTION TO BE REMOVED		AREAS NOT IN SCOPE

I HEREBY CERTIFY THAT THE PLANS AND DRAWINGS FOR THIS PROJECT WERE DRAWN IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS, INCLUDING, BUT NOT LIMITED TO, THE AMERICANS WITH DISABILITIES ACT (THE "ADA"), THE ADA ACCESSIBILITY GUIDELINES AND ANY STATE OR LOCAL ACCESSIBILITY CODES, REGULATIONS, OR STANDARDS

Date: \_\_\_\_\_

- NOTES**
1. SURVEY FIELD WORK PERFORMED BY CROSSMAN ENGINEERING BETWEEN 7-31-12 AND 8-14-12.
  2. OWNER AND ADJUTER INFORMATION TAKEN FROM THE TOWN OF WATERTOWN, MASSACHUSETTS ON-LINE DATABASE IN JULY 2012. THIS INFORMATION IS NOT INTENDED TO BE A CERTIFICATION TO OWNERSHIP OR TITLE FOR THE PROPERTIES SHOWN.
  3. VERTICAL DATUM FOR THIS PROJECT IS ASSUMED AND HORIZONTAL DATUM IS MAGNETIC.
  4. AS OF THE LATEST DRAFT DATE OF THIS SURVEY, UTILITY INFORMATION (WATER, SEWER AND DRAINAGE) HAD NOT BEEN FURNISHED BY THE TOWN OF WATERTOWN.
  5. UTILITIES AS SHOWN TAKEN FROM PLAN REFERENCE NO. 1, PLANS FURNISHED BY NATIONAL GRID GAS, NSTAR ELECTRIC, AND SURFACE FEATURES AND PAINT MARKINGS.
  6. IRON RODS CALLED FOR IN PARCEL DESCRIPTION HELD FOR LOT LINES AS SHOWN ON PLAN.
  7. UTILITY NOTE: THE UTILITIES SHOWN HEREON ARE PLOTTED FROM FIELD LOCATION OF VISIBLE ABOVE GROUND STRUCTURES AND INFORMATION OBTAINED FROM VARIOUS MUNICIPAL AND PRIVATE UTILITY COMPANIES. ALL UNDERGROUND UTILITY INFORMATION SHOWN HEREON MUST BE VERIFIED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ON THIS SITE. THE CONTRACTOR OR USER OF THIS PLAN SHOULD CONTACT DISSAFE PRIOR TO ANY WORK. CROSSMAN ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.
- PLAN REFERENCES**
1. PLAN ENTITLED "PROPOSED DUNKIN DONUTS, 448 MAIN STREET, WATERTOWN, MA BY GCG ASSOCIATES, INC., PLAN EC-1 DATED MARCH 15, 1995."
  2. MASS HIGHWAY DEPARTMENT FOR MAIN STREET, ROUTE 20 LAYOUT PLANS #4144 & 1807-4.
  3. PLANS, SKETCHES PROVIDED BY NSTAR ELECTRIC AND NATIONAL GRID GAS.

**ZONING INFORMATION**

ZONING DISTRICT, LB - LIMITED BUSINESS			
	REQUIRED	EXISTING	PROPOSED
MIN LOT SIZE	N/A	0.41 ACRES	0.41 ACRES
FRONTAGE	40'	68' (MAIN ST)	68'
FRONT SETBACK	N/A	60'	60'
SIDE SETBACK	15'	24' (LEXINGTON ST)	15'
REAR SETBACK	20'	20'	20'
MAX BLDG COVERAGE	80%	10%	19%
MAX IMP COVERAGE	90%	75%	75%
MAX HEIGHT, STORIES	40'4	15'-6"1	15'-6"1
MAX FAR	1	0.1	0.19
MIN OPEN SPACE	10%	25%	25%

**PARKING REQUIREMENTS**

RESTAURANT: 1 SPACE/4 SEATS + 1 SPACE/4' STAND-UP COUNTER		
20 SEATS EXISTING	5	20
25 SEATS FUTURE	6	25
16 SEATS SEASONAL	4	
41 SEATS TOTAL	11	25

**KEYED SITE DEMOLITION NOTES**

- 1 REMOVE EXISTE BITUMINOUS PAVING DN TO SUBGRADE. DO NOT DISTURB EXISTE DRAINAGE PATTERNS.
- 2 REMOVE EXISTE CONG WHEEL STOPS & SALVAGE FOR REUSE.
- 3 REMOVE SECTIONS OF EXISTE GRANITE CURBINS AS SHOWN SALVAGE FOR REUSE.
- 4 REMOVE EXISTE STEEL BOLLARDS & CHAIN.
- 5 REMOVE EXISTE PLANTING BED & PLANTS. SALVAGE & PROTECT PLANTS FOR TRANSPLANTING & LOGS AS DIRECTED BY OWNER.
- 6 REMOVE EXISTE SITE LIGHT & PIER. SALVAGE LIGHT FOR REUSE.
- 7 REMOVE EXISTE TRASH ENCLOSURE, CONG PAD & ADJACENT CONG SIDEWALK.
- 8 REMOVE EXISTE WALK-IN COOLER/FREEZER & CONG PAD.
- 9 REMOVE EXISTE CONCRETE PAD.
- 10 REMOVE EXISTE CATCH BASIN, CAP PIPING & FILL HOLE AS REGD.

**KEYED SITE IMPROVEMENT NOTES**

- 1 PROVIDE BITUMINOUS PAVING W/ 4" W PARKS & DIRECTIONAL STRIPING SIMILAR TO ORIGINAL LAYOUT. 2" BINDER CS - TYPE I-H; 2" SURFACE CS - TYPE I-H. SET SALVAGED CONG WHEEL STOPS AS SHOWN.
- 2 PLACE SALVAGED GRANITE CURBINS AS SHOWN. CUT SECTIONS AS REGD TO ACCOMMODATE LAYOUT. PROVIDE ADDL GRANITE CURBS TO MATCH EXISTE AS REGD TO COMPLETE THE CURB LAYOUT SHOWN.
- 3 PROVIDE (2) 6" x CONG FILLED STEEL BOLLARDS SEE 9/C.1.1
- 4 INSTALL SALVAGED SITE LIGHT. PROVIDE REINF CONG PIER AS REGD TO PROPERLY SUPPORT POLE. EXTEND EXISTE POWER AS REGD.
- 5 PROVIDE DUMPSTER ENCLOSURE INCL PERIMETER CONG WALL, REINF CONG PAD, 6' H CHAIN LINK FENCE W/ 2 SWING GATES, WOOD PRIVACY SLATS & (2) 6" x 4'-0" CONG FILLED STEEL PIPE BOLLARDS. SEE 9/C.1.1
- 6 PROVIDE REINF CONG PAD FOR WALK-IN COOLER/FREEZER. SEE 9/C.1.1
- 7 PATIO: PROVIDE PAVERS AS SELECTED BY OWNER. PAVERS SHALL HAVE MORTAR JOINTS & BE SET ON A MORTAR LEVELING BED ON 5" TH 3500 PSI CONG SLAB REINF W/ 6x6-2.4x2.4 WVF PLACED @ MID-DEPTH ON 6" COMPACTED GRANULAR FILL. PROVIDE EXPANSION JTS AS REGD.
- 8 PROVIDE REINF CONG SIDEWALK W/ RAMP SECTION. 5" TH 3500 PSI CONG SLAB REINF W/ 6x6-2.4x2.4 WVF @ MID-DEPTH ON 6" COMPACTED GRANULAR FILL.
- 9 PROVIDE PLANTING BED INCL PROPER PLANTING SOIL & MULCH TO MATCH EXISTE.
- 10 RESRADE THIS AREA AS REGD TO OBTAIN A 6" CURB FACE & RAMP LANDS FLUSH W/ PAVING. DO NOT CHANGE EXISTE DRAINAGE PATTERN.
- 11 PROVIDE ADA COMPLIANT PARKING SIGN.
- 12 PROVIDE LOAM & SEED @ AREA OF REMOVED CONG PAD & BITUMINOUS PAVING.

**GENERAL DEMOLITION NOTES**

**PROTECTION**

- 1) ALL RULES AND REGULATIONS GOVERNING THE RESPECTIVE UTILITIES SHALL BE OBSERVED IN EXECUTING ALL WORK UNDER THIS SECTION. ALL WORK SHALL BE EXECUTED IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO THE EXISTING BUILDING, SERVICE UTILITY LINES AND STRUCTURES.
- 2) THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGES TO THE EXISTING BUILDING AS WELL AS ADJOINING PRIVATE SPACES AND PROPERTY CAUSED BY HIS SUBCONTRACTOR'S EQUIPMENT AND PERSONNEL.
- 3) PERFORM THE WORK IN SUCH A MANNER AS TO CAUSE NO INTERFERENCE WITH ACCESS BY THE SUBCONTRACTOR OR OTHER CONTRACTORS TO ALL PORTIONS OF THE BUILDING AS NECESSARY FOR THE NORMAL CONDUCT OF THEIR WORK.
- 4) THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL ITEMS SCHEDULED TO REMAIN HAVE BEEN ADEQUATELY PROTECTED. TAKE ALL POSSIBLE PRECAUTIONS TO AVOID DAMAGING THOSE ITEMS WHICH HAVE BEEN SPECIFIED BY THE OWNER TO BE SALVAGED AND/OR STOCKPILED.

**PREPARATION**

- 1) NOTIFY ALL CORPORATIONS, COMPANIES, INDIVIDUALS OR LOCAL AUTHORITIES OWNING OR HAVING JURISDICTION OVER UTILITIES RUNNING TO, THROUGH OR ACROSS AREAS TO BE DISTURBED BY DEMOLITION OPERATIONS.

**DEMOLITION**

- 1) DEMOLISH DESIGNATED EXISTING FEATURES WITHIN THE PROPERTY LINES, AS NOTED TO PREPARE THE SITE FOR ALL OTHER WORK AS SPECIFIED OR AS SHOWN ON THE DRAWINGS AND AS ORDERED BY THE ARCHITECT.
- 2) COMPLY WITH ALL STATE OF MASSACHUSETTS DEPARTMENT OF HEALTH STANDARDS DURING DEMOLITION OPERATIONS.
- 3) REMOVE AND SALVAGE MATERIAL REQUIRED FOR LATER REUSE AS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE ARCHITECT.
- 4) REMOVE AND DISPOSE OF ALL UNSUITABLE MATERIAL OFF SITE. THE OWNER SHALL HAVE RIGHT OF FIRST REFUSAL FOR ALL MATERIALS. REMOVE ANY STOCKPILED MATERIAL DEEMED SURPLUS BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- 5) REFER TO KEYED NOTES AND THE SITE PLAN FOR FURTHER CLARIFICATION OF ITEMS SCHEDULED FOR DEMOLITION.

**DISPOSAL AND CLEAN UP**

- 1) PROMPTLY REMOVE ANY DEMOLITION DEBRIS OR SIMILAR MATERIAL, KEEPING THE AREA CLEAN AT ALL TIMES.
- 2) DEMOLISHED MATERIAL
  - A) ALL DEMOLISHED MATERIAL DECLARED UNSUITABLE BY THE ARCHITECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF THE PREMISES, UNLESS OTHERWISE INDICATED OR SPECIFIED.
  - B) KEEP SITE CLEAR OF DEBRIS AT ALL TIMES.
- 3) PREMISES: LEAVE THE PREMISES IN A SAFE, CLEAN AND RELATIVELY ORDERLY CONDITION UPON COMPLETION OF WORK.

**LEGEND**

N/F	PROPERTY LINE
D.B., PG.	NOW OR FORMERLY DEED BOOK, PAGE
XXX	CONTOUR LINE
XXX	SPOT GRADE
DMH	DRAINAGE MANHOLE
CB	CATCH BASIN
CI	CURB INLET
RD	ROOF DRAIN
SMH	SEWER MANHOLE
①	TELEPHONE MANHOLE
SPC	SIGNAL POLE
U	UTILITY POLE
Y	GUY ANCHOR
L	LIGHT POLE
H	FIRE HYDRANT
WG	WATER GATE
KCV	IRRIGATION CONTROL VALVE
GG	GAS GATE
EM	GAS METER
EM	ELECTRIC METER
B	BOLLARD
---	BUILDING FACE
S	DRAIN LINE
W	SEWER LINE
---	WATER LINE
G	GAS LINE
OW	OVERHEAD WIRE
E	ELECTRIC LINE
T	TELEPHONE LINE
T	TREE
9	SIGN



**AHARONIAN & ASSOCIATES INC.**  
ARCHITECTS

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7  
T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

**REVISIONS**

NUMBER	REMARKS	DATE
1	OWNER REVISIONS	9/21/12
2	OWNER REVISIONS	11/12/12
3	LANDSCAPE ADDED	12/12/12

**FOR CONSTRUCTION**

**PROJECT TITLE**

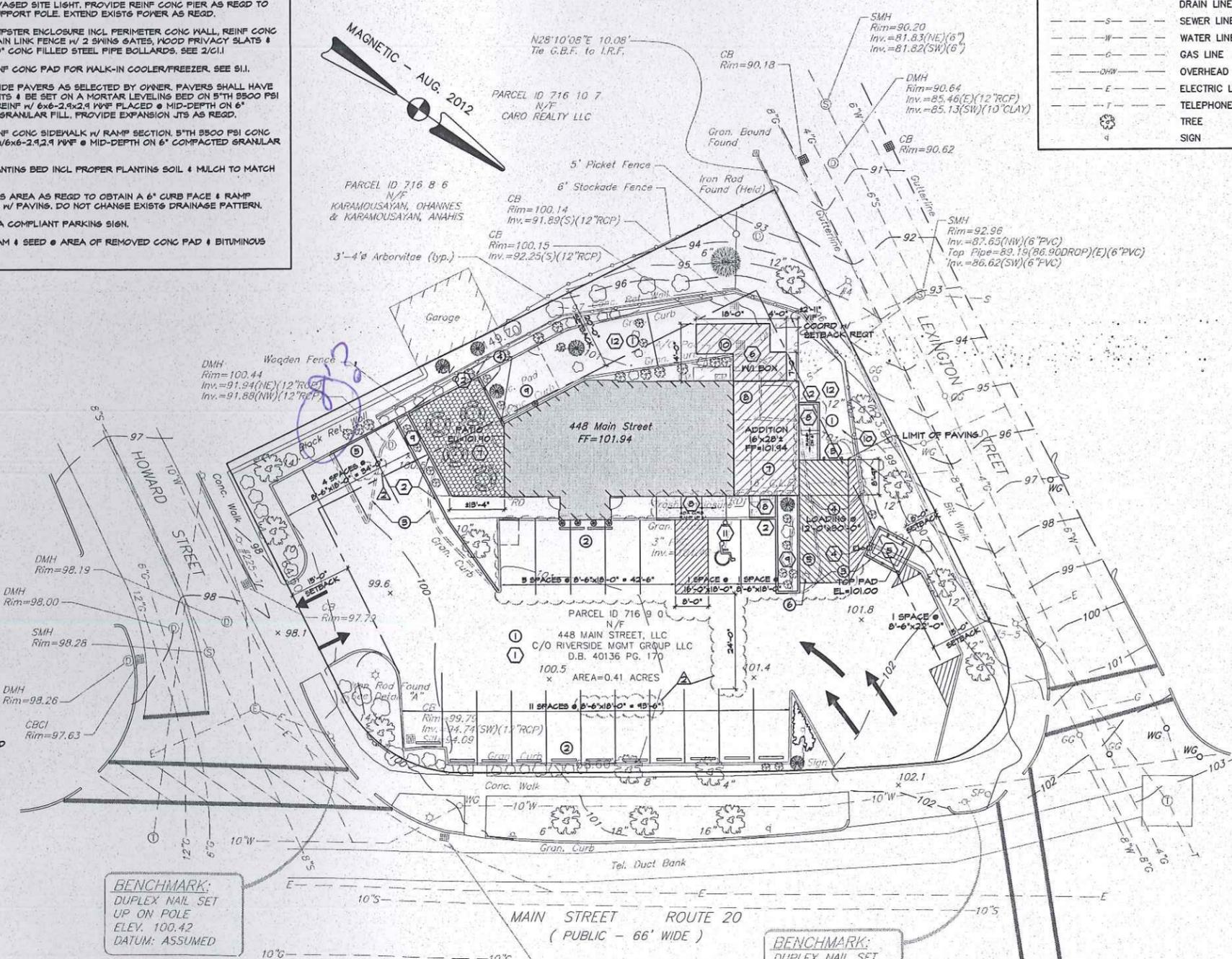
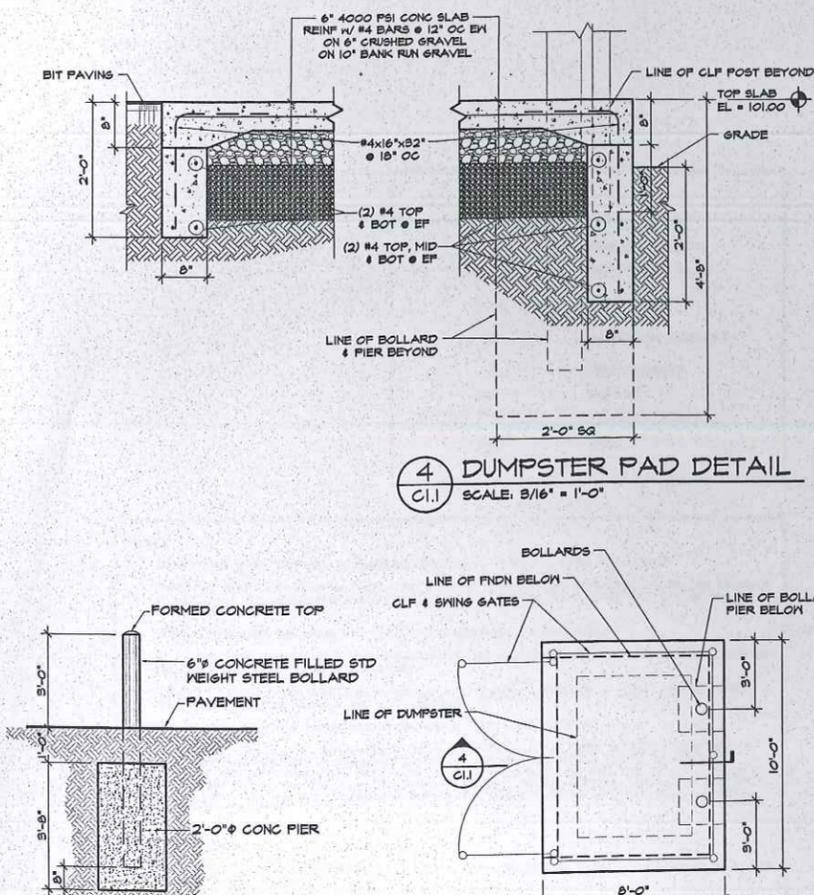
**DUNKIN' BRANDS**  
[eatdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**DRAWING TITLE**

**SITE PLAN**

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL/MH	MH
DRAWING NUMBER	





**AHARONIAN  
& ASSOCIATES INC.  
ARCHITECTS**

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7

T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

**REVISIONS**

NUMBER	REMARKS	DATE

**FOR CONSTRUCTION**

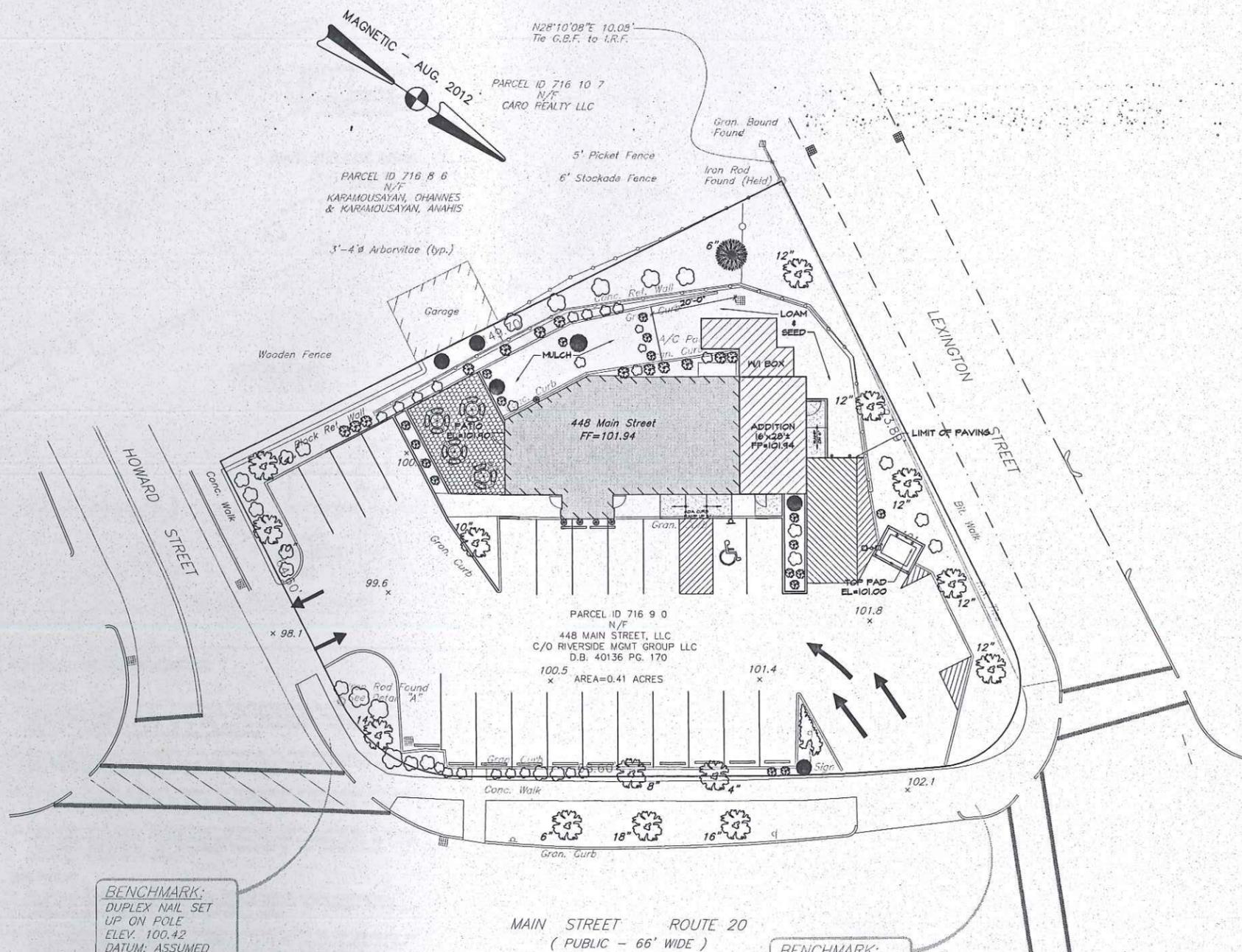
PROJECT TITLE  
**DUNKIN' BRANDS**  
[eatdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**DRAWING TITLE**

**LANDSCAPE PLAN**

DATE	PROJ NO
DEC 12, 2012	1291
DRAWN BY	CHECKED BY
MH	MH
DRAWING NUMBER	



**LEGEND**

N/F	PROPERTY LINE NOW OR FORMERLY
D.B., PG.	DEED BOOK, PAGE
x .xx.x	SPOT GRADE
⊙	TELEPHONE MANHOLE
⊙	FIRE HYDRANT
•	BOLLARD
—	BUILDING FACE
⊙	TREE
⊙	SIGN

- NOTES**
1. SURVEY FIELD WORK PERFORMED BY CROSSMAN ENGINEERING BETWEEN 7-31-12 AND 8-14-12.
  2. OWNER AND ABUTTER INFORMATION TAKEN FROM THE TOWN OF WATERTOWN, MASSACHUSETTS ON-LINE DATABASE IN JULY 2012. THIS INFORMATION IS NOT INTENDED TO BE A CERTIFICATION TO OWNERSHIP OR TITLE FOR THE PROPERTIES SHOWN.
  3. VERTICAL DATUM FOR THIS PROJECT IS ASSUMED AND HORIZONTAL DATUM IS MAGNETIC.
  4. AS OF THE LATEST DRAFT DATE OF THIS SURVEY, UTILITY INFORMATION (WATER, SEWER AND DRAINAGE) HAD NOT BEEN FURNISHED BY THE TOWN OF WATERTOWN.
  5. UTILITIES AS SHOWN TAKEN FROM PLAN REFERENCE NO. 1, PLANS FURNISHED BY NATIONAL GRID GAS, NSTAR ELECTRIC, AND SURFACE FEATURES AND PAINT MARKINGS.
  6. IRON RODS CALLED FOR IN PARCEL DESCRIPTION HELD FOR LOT LINES AS SHOWN ON PLAN.
  7. UTILITY NOTE: THE UTILITIES SHOWN HEREON ARE PLOTTED FROM FIELD LOCATION OF VISIBLE ABOVE GROUND STRUCTURES AND INFORMATION OBTAINED FROM VARIOUS MUNICIPAL AND PRIVATE UTILITY COMPANIES. ALL UNDERGROUND UTILITY INFORMATION SHOWN HEREON MUST BE VERIFIED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ON THIS SITE. THE CONTRACTOR OR USERS OF THIS PLAN SHOULD CONTACT DIGSAFE PRIOR TO ANY WORK. CROSSMAN ENGINEERING ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.

- PLAN REFERENCES**
1. PLAN ENTITLED "PROPOSED DUNKIN DONUTS, 448 MAIN STREET, WATERTOWN, MA BY CGG ASSOCIATES, INC., PLAN EC-1 DATED MARCH 15, 1995."
  2. MASS HIGHWAY DEPARTMENT FOR MAIN STREET, ROUTE 20 LAYOUT PLANS #4144 & 1807-4.

**BENCHMARK:**  
DUPLIX NAIL SET  
UP ON POLE  
ELEV. 100.42  
DATUM: ASSUMED

**BENCHMARK:**  
DUPLIX NAIL SET  
UP ON POLE



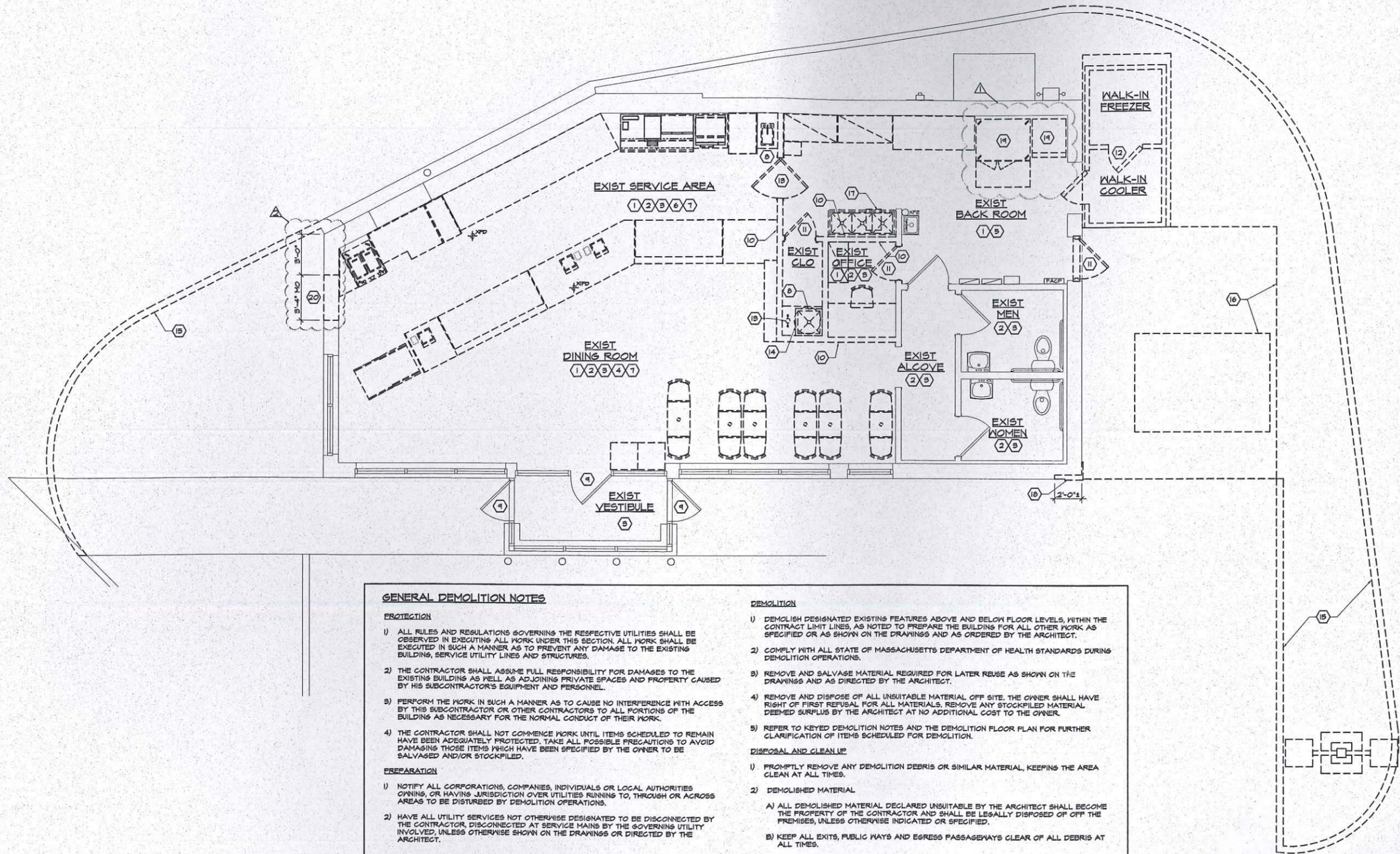
AHARONIAN  
& ASSOCIATES INC.  
ARCHITECTS

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7  
T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

- KEYED DEMOLITION NOTES**
- 1 REMOVE MILLWORK, COUNTERTOPS, EQUIPMENT & ALL RELATED ACCESSORIES AS SHOWN ON PLAN. SOME EQUIPMENT MAY BE SALVAGED & REUSED IN NEW LAYOUT AT FRANCHISEE'S DISCRETION. CUT & CAP ELECTRICAL, WASTE AND/OR WATER LINES AS REQ'D TO RECEIVE NEW WORK.
  - 2 REMOVE ALL WALL FINISHES, CHAIR RAILS & WALL MOUNTED EQUIPMENT. SALVAGE WALL MOUNTED EQUIPMENT FOR REINSTALLATION IN NEW LAYOUT. WINDOW TRIM TO REMAIN.
  - 3 REMOVE TILE WALL BASE AND FLOOR TILE.
  - 4 REMOVE ALL SEATING, TABLE TOPS & TABLE BASES.
  - 5 CONSULT FRANCHISEE ON REMOVAL OF WATER FILTRATION SYSTEM. VERIFY REQUIREMENTS FROM WATER TEST RESULTS VS EXISTING SYSTEM.
  - 6 CUT & PATCH EXISTING WALLS FOR POS/POWER CONDUIT & WATER PIPING AS REQ'D. SEE E1J & F1J.
  - 7 CUT & PATCH FLOOR SLAB IN ALL AREAS OF REQUIRED WASTE CONNECTIONS, PLUMBING PIPING & TABLE BASES. SEE A1.2 & F1J.
  - 8 REMOVE PLUMBING FIXTURE & ALL RELATED ACCESSORIES. REMOVE WATER LINES BACK TO WALL & WASTE LINES BACK TO FLOOR.
  - 9 REMOVE DOOR HANDLE.
  - 10 REMOVE EXISTING PARTITIONS AS SHOWN.
  - 11 REMOVE DOOR, FRAME AND ALL RELATED ACCESSORIES.
  - 12 REMOVE WALK-IN COOLER/FREEZER UNIT, CONCRETE PAD & ALL RELATED ACCESSORIES.
  - 13 REMOVE WATER METER, CUT & CAP SERVICE AS REQ'D. SALVAGE WATER METER FOR RELOCATION IN NEW LAYOUT.
  - 14 REMOVE WATER HEATER. SALVAGE FOR RELOCATION IN NEW LAYOUT.
  - 15 REMOVE CONCRETE CURB, PLANTING BED, SHRUBS & LIGHT POLE AS SHOWN. SALVAGE LIGHT POLE FOR REUSE IN NEW LAYOUT - SEE C1J.
  - 16 REMOVE CONCRETE PAD AND CHAIN LINK FENCE ENCLOSURE AS SHOWN - SEE C1J.
  - 17 REMOVE ENTIRE GREASE TRAP & RELATED ACCESSORIES. CUT & CAP PIPING AS REQ'D.
  - 18 REMOVE PORTION OF BRICK VENEER AS SHOWN, INCLUDING QUIN, TO ALLOW TOOTH-IN OF NEW BRICK VENEER.
  - 19 REMOVE OVEN ICE MACHINE & ALL RELATED ACCESSORIES. CUT & CAP ALL PIPING AS REQ'D. SALVAGE FOR REINSTALLATION IN NEW LAYOUT.
  - 20 REMOVE SECTION OF EXISTG EXTR WALL CONSTR AS REQ'D TO INSTALL NEW DOOR & FRAME.



- GENERAL DEMOLITION NOTES**
- PROTECTION**
- 1) ALL RULES AND REGULATIONS GOVERNING THE RESPECTIVE UTILITIES SHALL BE OBSERVED IN EXECUTING ALL WORK UNDER THIS SECTION. ALL WORK SHALL BE EXECUTED IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO THE EXISTING BUILDING, SERVICE UTILITY LINES AND STRUCTURES.
  - 2) THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGES TO THE EXISTING BUILDING AS WELL AS ADJOINING PRIVATE SPACES AND PROPERTY CAUSED BY HIS SUBCONTRACTOR'S EQUIPMENT AND PERSONNEL.
  - 3) PERFORM THE WORK IN SUCH A MANNER AS TO CAUSE NO INTERFERENCE WITH ACCESS BY THIS SUBCONTRACTOR OR OTHER CONTRACTORS TO ALL PORTIONS OF THE BUILDING AS NECESSARY FOR THE NORMAL CONDUCT OF THEIR WORK.
  - 4) THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL ITEMS SCHEDULED TO REMAIN HAVE BEEN ADEQUATELY PROTECTED. TAKE ALL POSSIBLE PRECAUTIONS TO AVOID DAMAGING THOSE ITEMS WHICH HAVE BEEN SPECIFIED BY THE OWNER TO BE SALVAGED AND/OR STOCKPILED.
- PREPARATION**
- 1) NOTIFY ALL CORPORATIONS, COMPANIES, INDIVIDUALS OR LOCAL AUTHORITIES OWNING, OR HAVING JURISDICTION OVER UTILITIES RUNNING TO, THROUGH OR ACROSS AREAS TO BE DISTURBED BY DEMOLITION OPERATIONS.
  - 2) HAVE ALL UTILITY SERVICES NOT OTHERWISE DESIGNATED TO BE DISCONNECTED BY THE CONTRACTOR, DISCONNECTED AT SERVICE MAINS BY THE GOVERNING UTILITY INVOLVED, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR DIRECTED BY THE ARCHITECT.
- DEMOLITION**
- 1) DEMOLISH DESIGNATED EXISTING FEATURES ABOVE AND BELOW FLOOR LEVELS, WITHIN THE CONTRACT LIMIT LINES, AS NOTED TO PREPARE THE BUILDING FOR ALL OTHER WORK AS SPECIFIED OR AS SHOWN ON THE DRAWINGS AND AS ORDERED BY THE ARCHITECT.
  - 2) COMPLY WITH ALL STATE OF MASSACHUSETTS DEPARTMENT OF HEALTH STANDARDS DURING DEMOLITION OPERATIONS.
  - 3) REMOVE AND SALVAGE MATERIAL REQUIRED FOR LATER REUSE AS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE ARCHITECT.
  - 4) REMOVE AND DISPOSE OF ALL UNSUITABLE MATERIAL OFF SITE. THE OWNER SHALL HAVE RIGHT OF FIRST REFUSAL FOR ALL MATERIALS. REMOVE ANY STOCKPILED MATERIAL DEEMED SURPLUS BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
  - 5) REFER TO KEYED DEMOLITION NOTES AND THE DEMOLITION FLOOR PLAN FOR FURTHER CLARIFICATION OF ITEMS SCHEDULED FOR DEMOLITION.
- DISPOSAL AND CLEAN UP**
- 1) PROMPTLY REMOVE ANY DEMOLITION DEBRIS OR SIMILAR MATERIAL, KEEPING THE AREA CLEAN AT ALL TIMES.
  - 2) DEMOLISHED MATERIAL
    - A) ALL DEMOLISHED MATERIAL DECLARED UNSUITABLE BY THE ARCHITECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF THE PREMISES, UNLESS OTHERWISE INDICATED OR SPECIFIED.
    - B) KEEP ALL EXITS, PUBLIC WAYS AND EGRESS PASSAGEWAYS CLEAR OF ALL DEBRIS AT ALL TIMES.
  - 3) PREMISES: LEAVE THE PREMISES IN A SAFE, CLEAN AND RELATIVELY ORDERLY CONDITION UPON COMPLETION OF WORK.

**REVISIONS**

NUMBER	REMARKS	DATE
△	OWNER REVISIONS	9/27/12
△	OWNER REVISIONS	11/2/12

**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS®**  
[eatdrinkthink®]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**DEMOLITION FLOOR PLAN**

DATE SEPT 11, 2012	PROJ NO 1291
DRAWN BY JL	CHECKED BY MH
DRAWING NUMBER	

**D1.1**

**DEMOLITION FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



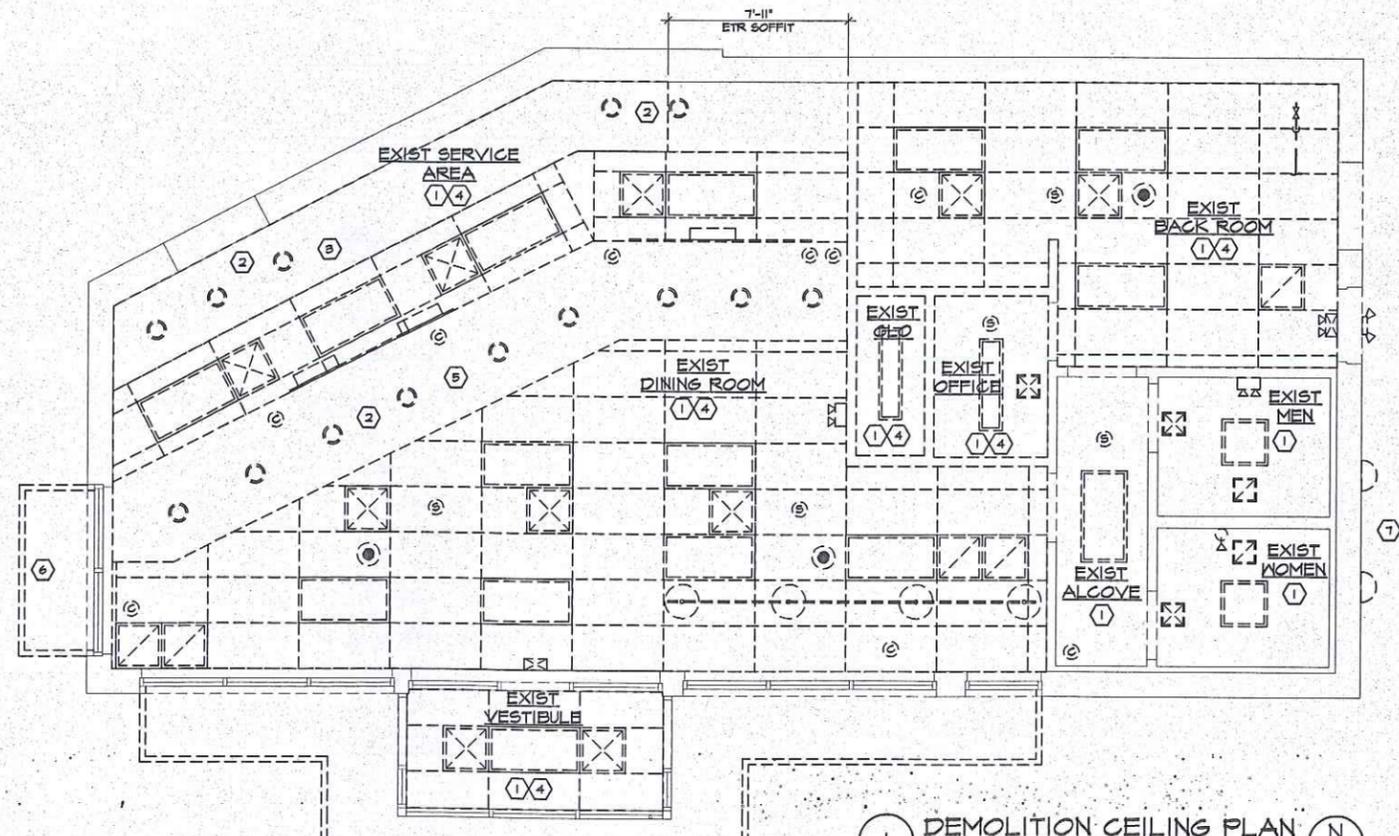
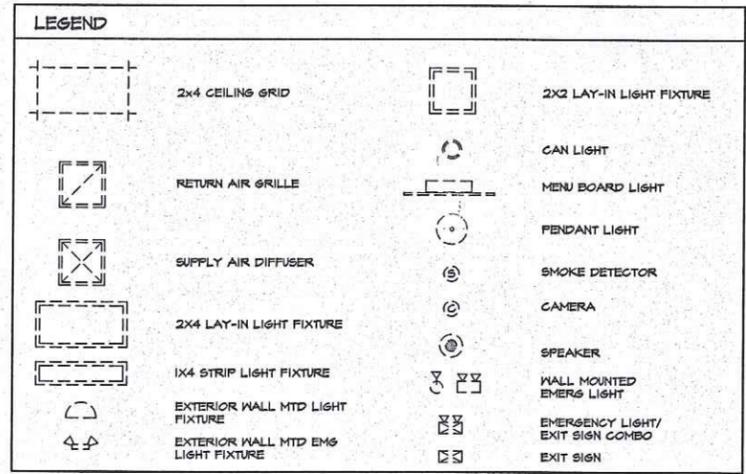
**AHARONIAN  
& ASSOCIATES INC.**  
ARCHITECTS

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7  
T 401-232-5018  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

- KEYED DEMOLITION NOTES**
- 1 REMOVE ALL RECESSED LIGHT FIXTURES, CEILING MOUNTED DEVICES, SUPPLY DIFFUSERS & RETURN GRILLES FROM CEILING SYS. SALVAGE CEILING MOUNTED DEVICES, SUPPLY DIFFUSERS & RETURN GRILLES FOR REUSE IN NEW LAYOUT.
  - 2 REMOVE CAN LIGHTS FROM SOFFIT. SALVAGE FOR REUSE IN NEW LAYOUT.
  - 3 REMOVE PORTION OF EXISTING SOFFIT AS REQ'D FOR INSTALLATION OF EXHAUST HOOD & EXPANSION OF SUSPENDED CEILING SYSTEM.
  - 4 REMOVE ENTIRE SUSPENDED CEILING SYSTEM OR GYP BD CEILING SYS.
  - 5 REMOVE ENTIRE SOFFIT ABOVE FRONT LINE.
  - 6 REMOVE ENTIRE AVNING & ALL RELATED ATTACHMENTS INCLUDING LIGHT FIXTURES & SOFFIT PANELS.
  - 7 REMOVE ALL EXTERIOR WALL MOUNTED DEVICES INCLUDING LIGHT FIXTURES & ELECTRICAL BOXES AS SHOWN.



**REVISIONS**

NUMBER	REMARKS	DATE

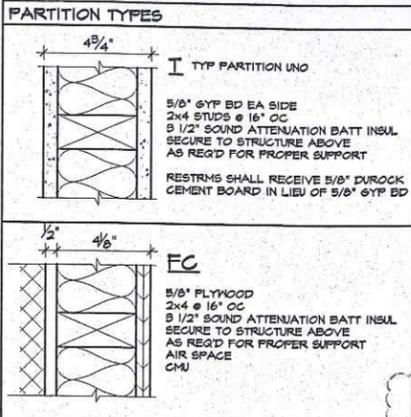
**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
[eatdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**DRAWING TITLE**  
DEMOLITION  
CEILING PLAN

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL	MH
DRAWING NUMBER	



**HARDWARE SETS** ALL HARDWARE SHALL BE ADA COMPLIANT WHETHER OR NOT SPECIFIED HEREIN

<b>SET E-1</b> 3 HINGES EXIT DEVICE EXIT TRIM CLOSER THRESHOLD SWEEP SET IVSTRIPPINGS LOCK GUARD	HASER BB1141 52D HASER 4501 RIM 26" US26D W/ TRIM HASER 3 US26D HASER 3400 FA 2-5 HDHOS ALM HASER 4195 MIL HASER 4195 MIL HASER 8005 US26D HASER 341D 52D
<b>SET E-2</b> BY ALUM MANUF CLOSER DEADLOCK THRESHOLD "D" PULL HANDLE PUSH BAR TOP & BOT OFFSET PIVOTS ASTRASAL CYLINDER FINGER GUARD PERIMETER GASKETING BOT SWEEP	NORTON 8501 DA ADAMS RITE MS 1850A 4" x 1/2" (ACCESSIBLE) SEE NATIONAL ACCOUNTS
<b>SET O-1</b> 2 HINGES SPRING HINGE LOCK SET LETTER SLOT SLUVEE FLOOR STOP LOUVERED VENT	HASER 1214 US26D HASER 1280 US26D HASER 3480 MTR US26D IVES 620 PA28 IVES 621 HASER 241F US26D 1'-6" x 1'-6"

**GENERAL NOTES**

- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND INSURANCE BEFORE COMMENCING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING.
- THE CONTRACTOR SHALL MAINTAIN ALL INSURANCE AUTHORITIES AND SHALL PROVIDE PROOF OF SUCH INSURANCE AS REQUIRED.
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, WATER TOWN, MASSACHUSETTS REQUIREMENTS AND AS PUT FORTH IN THESE CONSTRUCTION DOCUMENTS. WHERE CONFLICTS OCCUR, THE MOST STRINGENT REQUIREMENTS SHALL BE MET.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING ALL WORK DURING CONSTRUCTION.
- THE DRAWINGS MAY NOT BE TO SCALE. SEE PLANS AND DETAILS FOR DIMENSIONS.
- ALL INTERIOR DIMENSIONS SHOWN ARE TO THE FACE OF WALL.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING.
- THE CONTRACTOR SHALL ANCHOR WALL MOUNTED EQUIPMENT AND ACCESSORIES TO EXISTING WALLS AS REQD FOR PROPER SUPPORT.
- SEE K1.1 & K1.2 FOR NATIONAL ACCOUNTS & INFORMATION REGARDING THE EQUIPMENT AND EQUIPMENT LAYOUT.
- SEE A2.1 FOR INTERIOR ELEVATIONS AND WALL FINISH SCHEDULE.
- NOTHING IN THE SPECIFICATIONS OR DRAWINGS SHALL BE CONSTRUED TO ALLOW WORK NOT IN ACCORDANCE WITH THE 'CODE' REQUIREMENTS. WHEN REQUIREMENTS SHOWN OR SPECIFIED ARE LESS THAN THOSE DICTATED IN THE CODE, THE CONTRACTOR SHALL FURNISH AND/OR INSTALL THE LARGER SIZE OR HIGHER STANDARD WITHOUT EXTRA COST TO THE OWNER.
- "PROVIDE" SHALL MEAN TO "SUPPLY & INSTALL".

**PROJECT DATA**

**CODES, RULES, REGULATIONS**  
FEDERAL, STATE AND MUNICIPAL LAWS  
WATERTOWN, MASSACHUSETTS RULES AND/OR REGULATIONS  
INTERNATIONAL BUILDING CODE 2009 IBC  
MASSACHUSETTS STATE BUILDING CODE 180 CMR, 8TH EDITION AMENDMENTS.  
MASSACHUSETTS STATE PLUMBING AND GAS CODE, 249 CMR, 8TH EDITION  
MASSACHUSETTS STATE ELECTRIC CODE 52T CMR  
INTERNATIONAL FIRE CODE 2009 IFC MASSACHUSETTS FIRE PREVENTION CODE 52T CMR  
ARCHITECTURAL ACCESS REGULATIONS, 52I CMR  
INTERNATIONAL MECHANICAL CODE 2009

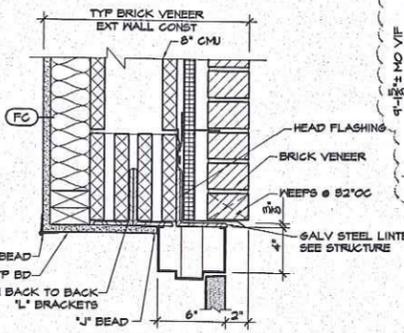
**BUILDING CODE DESIGN CRITERIA**  
USE GROUP: (EXISTING) ASSEMBLY (A-2)  
CONSTRUCTION TYPE: (EXISTING) TYPE 5B  
AREA: 1,892 ± SQUARE FEET  
OCCUPANT LOAD:  
SEATING AREA (PUBLIC)  
POSTED OCC LOAD = 49 OCCUPANTS  
KITCHEN AREA (NON PUBLIC)  
356 / 200 G = 2 OCCUPANTS  
UTILITY/STORAGE (NON PUBLIC)  
640 / 800 G = 8 OCCUPANTS  
**TOTAL OCCUPANT LOAD = 54**  
LENGTH OF EXIT ACCESS TRAVEL:  
200' MAXIMUM WITHOUT SPRINKLER SYSTEM  
SPRINKLER SYSTEM:  
NONE  
HVAC SYSTEM:  
EXISTING TO REMAIN

**KEYED PLAN NOTES**

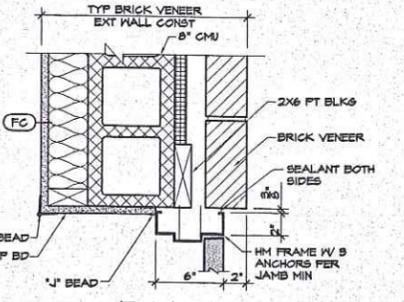
- MILLWORK PROVIDED BY OTHERS
- PROVIDE ACCESS FOR UTILITIES & CLEANING AT ALL FRONT LINE MILLWORK
- VERIFY LOCATIONS & FUNCTION OF EXISTING FIRE EXTINGUISHERS IN FIELD. IF NONE EXIST OR ARE INOPERABLE, PROVIDE TYPE ABC, MOUNTED AT 4'-0" AF FROM TOP BY 60; COORDINATE ALL FINAL LOCATIONS WITH LOCAL FIRE DEPT
- VERIFY EXIST THRESHOLD IS ADA COMPLIANT. PROVIDE ADA COMPLIANT ALUMINUM THRESHOLD WITH DOOR BOTTOM SWEEP IF REQUIRED
- PROVIDE "D" DOOR HANDLE - SEE NATIONAL ACCOUNTS FOR INFORMATION
- HANDICAP ACCESSIBLE TABLES SHALL BE MAX 30" AF
- PATCH EXIST CONC SLAB & WALL CONSTRUCTION AS REQUIRED IN ALL AREAS OF DEMOLITION. SEE PLUMBING AND ELECT DRAWINGS.
- PATCH WALL TO MATCH EXISTING WALL CONSTRUCTION AT REMOVED DOOR AS REQD.
- TOOTH-IN BRICK VENEER AT REMOVED QUAIN.

**AHARONIAN & ASSOCIATES INC. ARCHITECTS**  
310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
02917  
T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

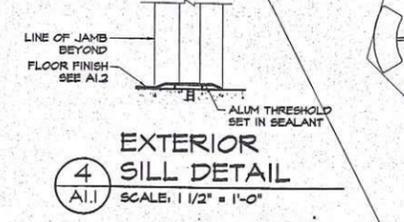
**DISCLAIMER**  
OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.



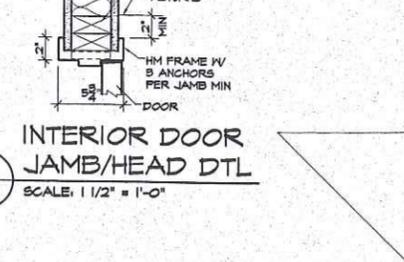
**EXTERIOR HEAD DETAIL (6)**  
SCALE: 1/2" = 1'-0"



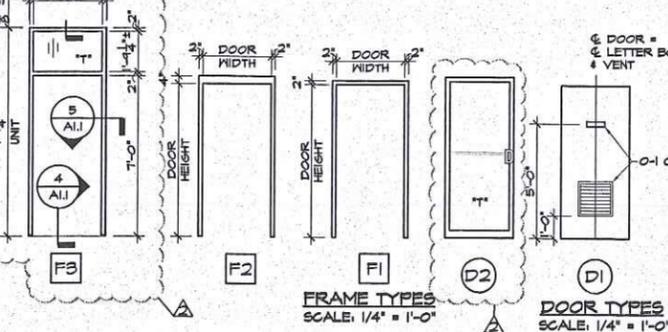
**EXTERIOR JAMB DETAIL (5)**  
SCALE: 1/2" = 1'-0"



**EXTERIOR SILL DETAIL (4)**  
SCALE: 1/2" = 1'-0"



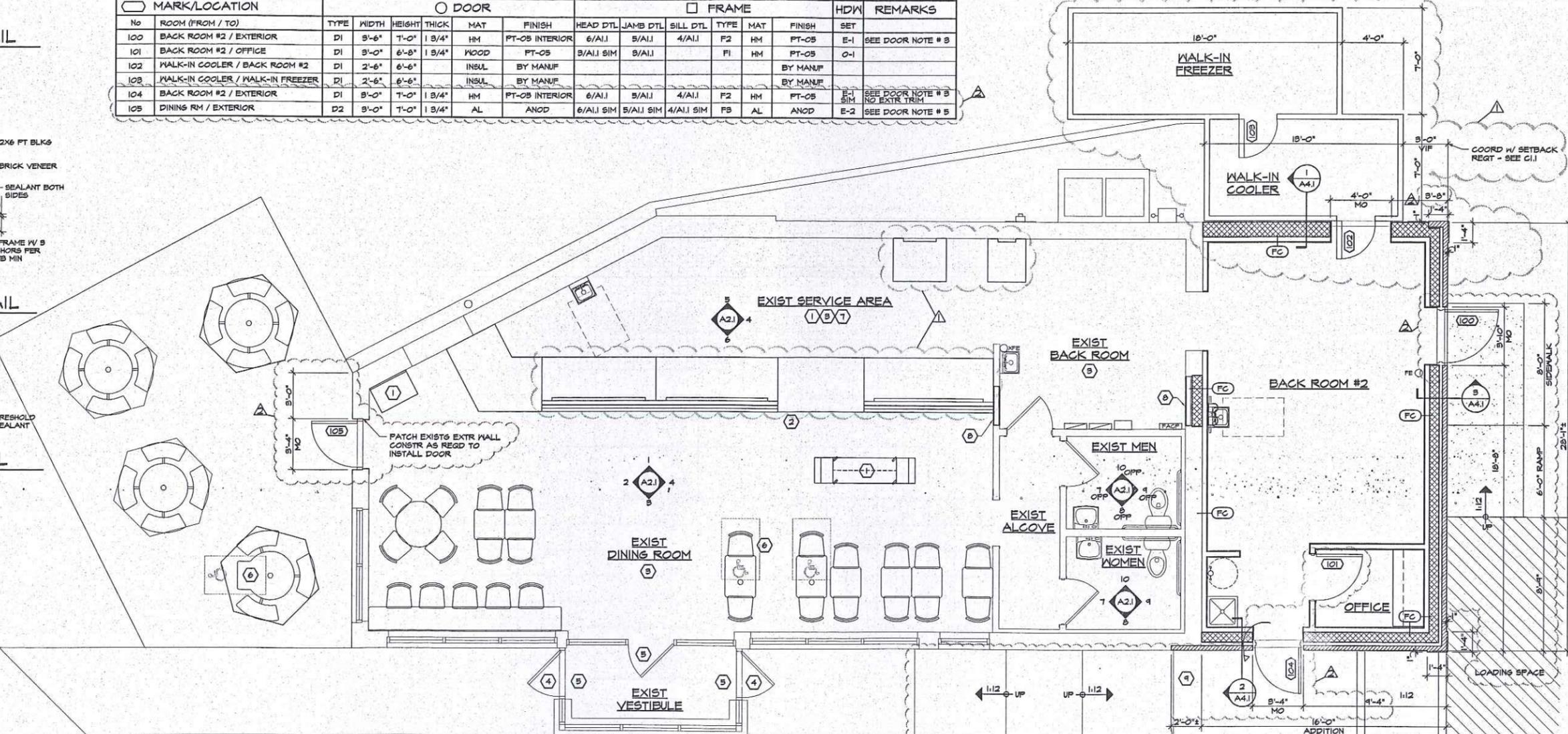
**INTERIOR DOOR JAMB/HEAD DETAIL (3)**  
SCALE: 1/2" = 1'-0"



**FRAME TYPES** SCALE: 1/4" = 1'-0"  
**DOOR TYPES** SCALE: 1/4" = 1'-0"

**DOOR SCHEDULE**

No	ROOM (FROM / TO)	DOOR	FRAME			HDW	REMARKS
			TYPE	MAT	FINISH		
100	BACK ROOM #2 / EXTERIOR	D1	F2	HM	PT-05	E-1	SEE DOOR NOTE # 3
101	BACK ROOM #2 / OFFICE	D1	F1	HM	PT-05	O-1	
102	WALK-IN COOLER / BACK ROOM #2	D1	F1	HM	BY MANUF		
103	WALK-IN COOLER / WALK-IN FREEZER	D1	F1	HM	BY MANUF		
104	BACK ROOM #2 / EXTERIOR	D1	F2	HM	PT-05	E-1	SEE DOOR NOTE # 3 NO EXTR TRIM
105	DINING RM / EXTERIOR	D2	F3	AL	ANOD	E-2	SEE DOOR NOTE # 5



**REVISIONS**

NUMBER	REMARKS	DATE
1	OWNER REVISIONS	9/27/12
2	OWNER REVISIONS	11/2/12

**FOR CONSTRUCTION**  
PROJECT TITLE  
**DUNKIN' BRANDS**  
[eat drink think]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**DRAWING TITLE**  
FLOOR PLAN,  
DOOR SCHEDULE &  
DETAILS

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL	MH
DRAWING NUMBER	



**AHARONIAN  
& ASSOCIATES INC.  
ARCHITECTS**

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7  
T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

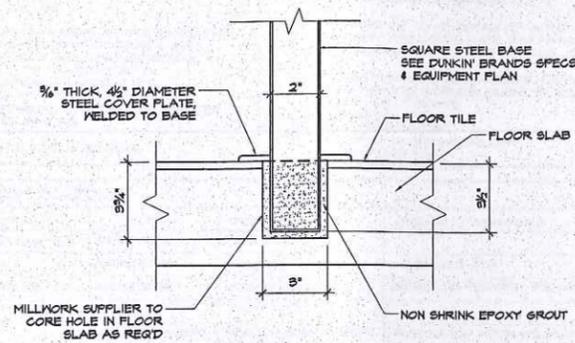
X-XX FLOOR FINISH SCHEDULE				
CODE	MATERIAL	MANUFACTURER	PRODUCT NO.	DESCRIPTION / REMARKS
FC-01	PORCELAIN TILE	DAL-TILE	CONCRETE CONNECTIONS CM820201P	PLAZA ROUSE 20"x20"
FC-01A	PORCELAIN TILE	DAL-TILE	CONCRETE CONNECTIONS CM818181P	PLAZA ROUSE 18"x18", USE AS ALT TO FC-01 IN SALES AREA
FC-02	QUARRY TILE	DAL-TILE	QUARRY TILE T-02	6"x6", COLOR: SAHARA SAND
G-01	GROUT	LATICRETE	SPECTRA-LOCK 48 CHOCOLATE TRUFFLE	USE IN ALL FLOOR FINISH
WB-01	CERAMIC TILE	DAL-TILE	FLAZA ROUSE	CUT "FC-01" FLOOR TILE W/ BRUSHED NICKEL SCHLUTER STRIP CAP. SCHLUTER STRIP NOT USED AT MILLWORK BASE
WB-02	QUARRY TILE	DAL-TILE	QUARRY TILE T-02	6"x6", COLOR: SAHARA SAND Q2565

**FLOOR FINISH SCHEDULE NOTES**

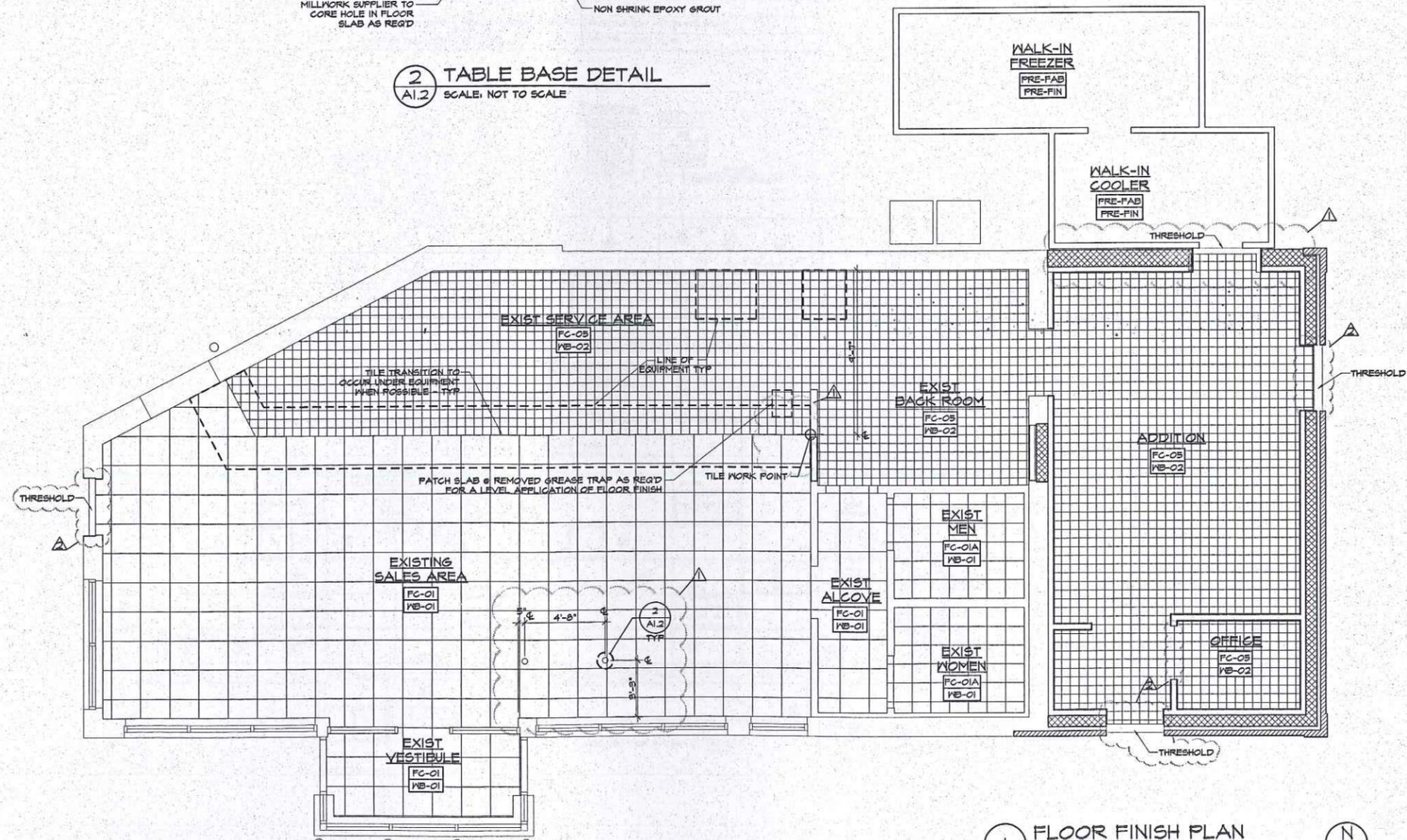
- THIS INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT DUNKIN DONUTS IMAGE
- CONSULT FRANCHISEE FOR FINISHES WITH ALTERNATES
- SEE A2.1 FOR FINISHES NOT LISTED HERE.

**LEGEND**

- X-XX FLOOR FINISH MATERIAL
- X-XX WALL BASE MATERIAL



**2 TABLE BASE DETAIL**  
SCALE: NOT TO SCALE



**REVISIONS**

NUMBER	REMARKS	DATE
1	OWNER REVISIONS	1/27/12
2	OWNER REVISIONS	11/2/12

**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
[atdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

DRAWING TITLE  
**FLOOR FINISH PLAN**

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL	MH
DRAWING NUMBER	

**LIGHTING NOTES**

- THE ELECTRICAL CONTRACTOR SHALL BE FAMILIAR WITH ALL OTHER DIVISIONS AND SECTIONS OF THIS CONTRACT.
- WORK UNDER THIS CONTRACT SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, OSHA, NFPA, STATE AND LOCAL CODES.
- ALL WIRING SHALL BE CONCEALED WITHIN THE WALL AND CEILING SPACES. ALL WIRING AND HOME RUNS BACK TO PANEL SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
- ALL LIGHTING FIXTURES SHALL BE PROPERLY SECURED TO THE BUILDING STRUCTURE.
- PROVIDE ALL FIXTURES COMPLETE WITH LAMPS. REFER TO NATIONAL ACCOUNT SOURCE FOR LAMP SPECIFICATIONS.
- ALL INCANDESCENT LAMPS SHALL BE RATED 180 VOLTS.
- ALL BALLASTS SHALL BE HIGH POWER FACTOR. FLUORESCENT BALLASTS FOR T8 LAMPS TO BE OSRAM/SYLVANIA OR MAGNATEK FULL-OUTPUT ELECTRONIC.
- PROVIDE HOLD DOWN CLIPS FOR EACH CORNER OF LAY-IN LIGHT FIXTURES.
- PROVIDE ALL REQUIRED MOUNTING OR HANGING HARDWARE.
- LAMPS SHALL BE AS MANUFACTURED BY SYLVANIA, WESTINGHOUSE, GENERAL ELECTRIC OR APPROVED EQUAL.
- MAINTAIN EXISTING SWITCHING PATTERN FOR LIGHT FIXTURES IN EXISTING SPACES. ANY NEW SWITCHES TO BE MOUNTED AT 48" AF UNLESS NOTED OTHERWISE.
- COORDINATE INSTALLATION IN FIELD WITH ARCHITECT AND ENGINEER. COORDINATE AIMING OF ADJUSTABLE FIXTURES IN FIELD WITH LIGHTING CONSULTANT.
- ALL CEILING-MOUNTED EQUIPMENT SHALL BE CONNECTED BACK TO EXISTING SYSTEMS. THESE ITEMS SHOWN ON PLAN ARE FOR REFERENCE ONLY.
- SEE EO.1 FOR GENERAL ELECTRICAL NOTES.

**LIGHTING SCHEDULE**

CODE	DESCRIPTION	MANUF	PRODUCT #
AI-P	2x4 PARACUBE W/ T8/M (NO OVERLAY)	METALUX	2EP96X-9289961-UNV-AD-10F3P325C-U
AI-PO	2x2 PARACUBE W/ OVERLAY & T8/M	METALUX	2EP96X-9289961-UNV-AD-10F3P325C-U W/ OVERLAY
A2-P	2x2 PARACUBE W/ T8/M (NO OVERLAY)	METALUX	2P696AX2U6931-UNV-EBB1
C16	MENU BOARD LIGHT T8HO - 16"	ELLIPTIFAR	F144-V16B S22-120-LXX W/LENS
G	EXTERIOR WALL PACK	INCON	99265-26GE
HL	LIGHT FIXTURES UNDER HOOD	RAB LIGHTING	VX1000G
K	42W COMPACT FLUOR DOWN LIGHT IV LENS	HALO	FD1/142E/TVLIC
SP	ORANGE PENDANT 9.5" SHADE	WILLSHIRE	700TDMISC1667-OR-W
SP-1	PINK PENDANT 9.5" SHADE	WILLSHIRE	700TDMISC1667-PK-W
X	LED EXIT W/ BATTERY	SURE LITES	APXTR

**MUSIC SYSTEM NOTES**

- MUSIC SYSTEM IS REQUIRED IN ALL NEW AND REMODEL STORES.
- ALL CEILING SPEAKERS TO BE FLUSH MOUNTED - WHITE.
- A MINIMUM OF TWO SPEAKERS IN THE SEATING AREA, ONE IN EACH RESTROOM, & ONE IN THE VESTIBULE (NO SPEAKERS IN THE SERVICE AREA).
- HARDWARE TO BE INSTALLED IN THE OFFICE. FIELD VERIFY AND COORDINATE WITH FRANCHISE FOR THE EXACT LOCATION OF THE UNIT AND VOLUME CONTROLS.
- DUNKIN' BRANDS RECOMMENDS MUZAK AS THE MUSIC AND SYSTEM SUPPLIER. MUZAK NATIONAL ACCOUNT REP: KELLY RISHTE P: 703-201-1200 F: 703-913-8015 EMAIL: KRISHTY@MUZAK.COM WWW.MUZAK.COM

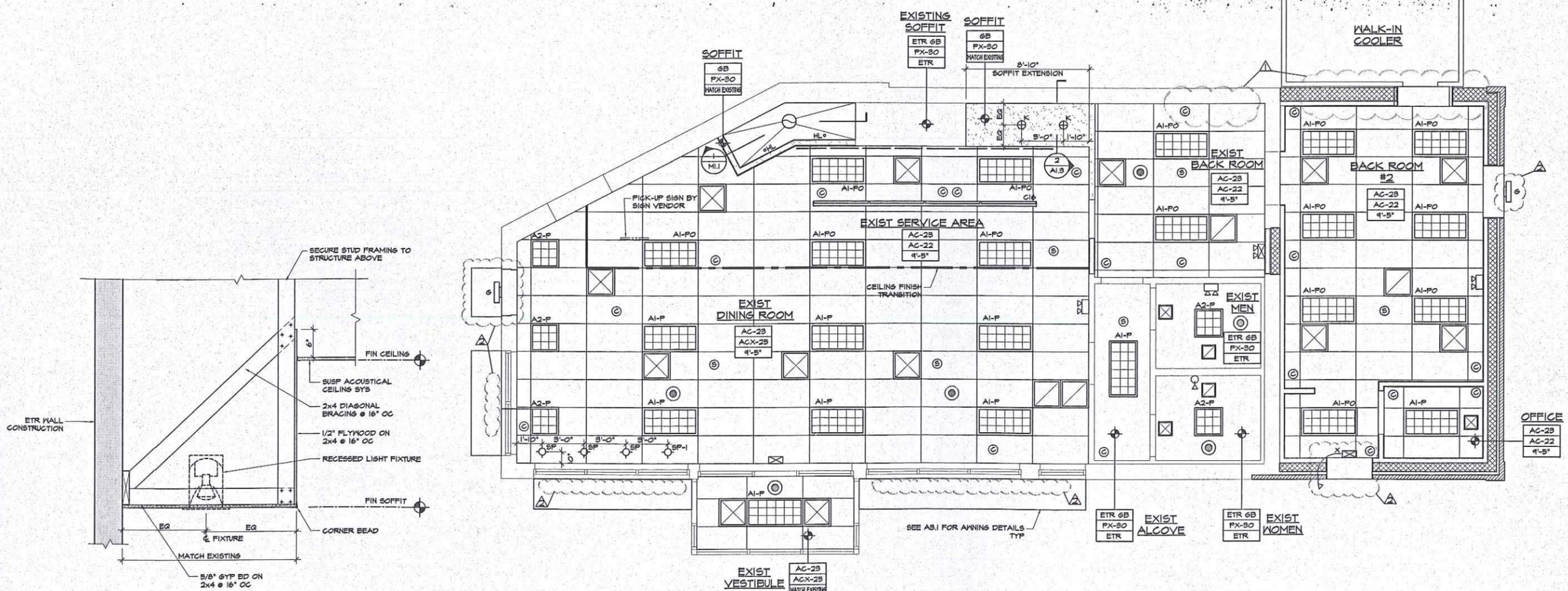
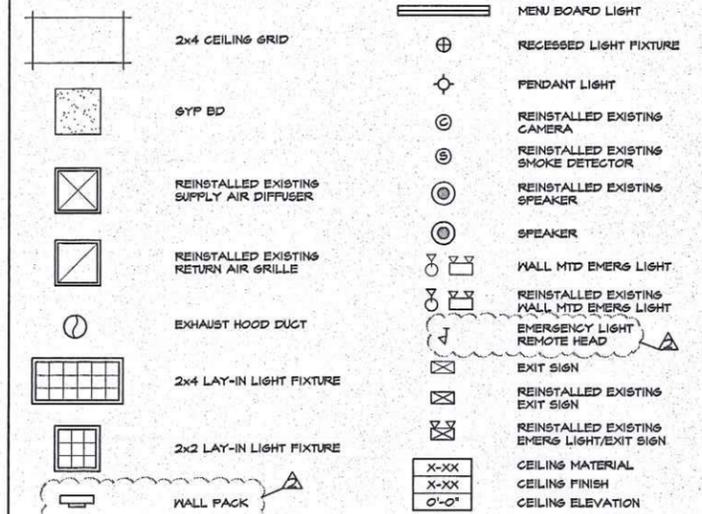
**CEILING FINISH NOTES**

- ANY EXISTING DIFFUSERS/RETURNS, SMOKE DETECTORS, EMERGENCY LIGHTING, SECURITY CAMERAS & ALL RELATED EQUIPMENT THAT ARE REMOVED DURING CONSTRUCTION SHALL BE RE-INSTALLED IN SAME/SIMILAR LOCATIONS TO COMPLY WITH APPLICABLE CODES. IF A FIXTURE IS DEEMED UNACCEPTABLE FOR REUSE, A NEW FIXTURE SHALL BE PROVIDED TO MATCH EXISTING.
- SEE A2.1 FOR FINISHES NOT LISTED HERE.

**CEILING FINISH SCHEDULE**

CODE	MATERIAL	MANUF	PRODUCT #	DESCRIPTION/REMARKS
AC-22	VINYL FACED CLG TILE	ARMSTRONGS	#810 (2' x 4')	
AC-23	CEILING GRID	ARMSTRONGS	7800 WH	WHITE GRID, 15/16"
ACX-25	ACOUSTIC CEILING TILE	ARMSTRONGS	#1761 WH (2' x 4')	WHITE, FINE FISSED, SECONDLOOK 2
ETR-6B	ETR SYSPUM BOARD			
PX-30	PAINT	BENJAMIN MOORE	REGAL AQ SLOW #333	EMOI READY MIX WHITE; FLAT
PX-30 ALT	PAINT	SHERWIN WILLIAMS	SW 7006	EXTRA WHITE; FLAT

**REFLECTED CEILING PLAN LEGEND**



**AHARONIAN & ASSOCIATES INC. ARCHITECTS**  
310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7  
T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

**REVISIONS**

NUMBER	REMARKS	DATE
1	OWNER REVISIONS	9/21/12
2	OWNER REVISIONS	11/12/12

**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
[eatdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**REFLECTED CEILING PLAN & SCHEDULES**

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL	MH
DRAWING NUMBER	

2 SOFFIT DETAIL

1 REFLECTED CEILING PLAN



**AHARONIAN  
& ASSOCIATES INC.  
ARCHITECTS**

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7

T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

**TOILET ACCESSORY SCHEDULE NOTES**  
REPLACE ALL EXISTING TOILET ACCESSORIES PER THE SCHEDULE

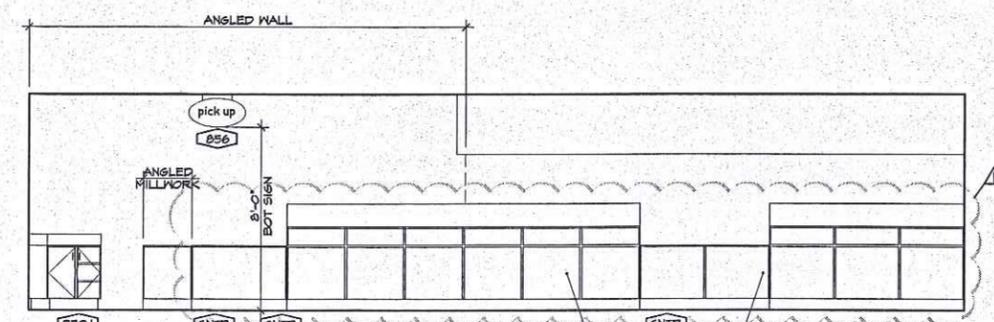
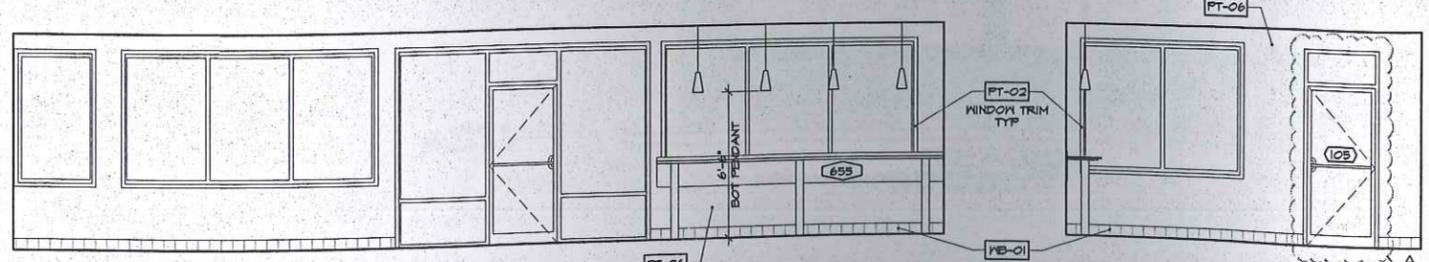
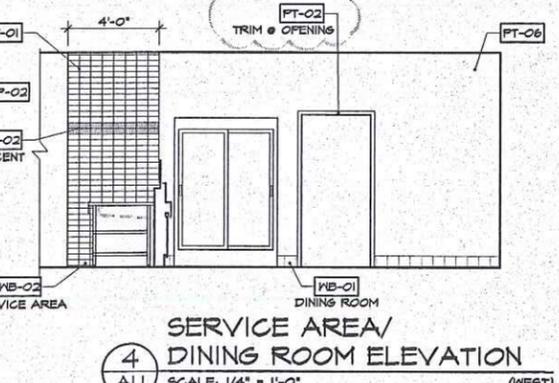
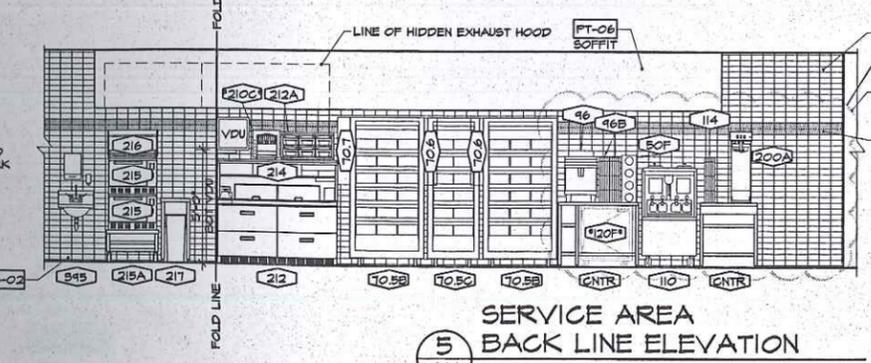
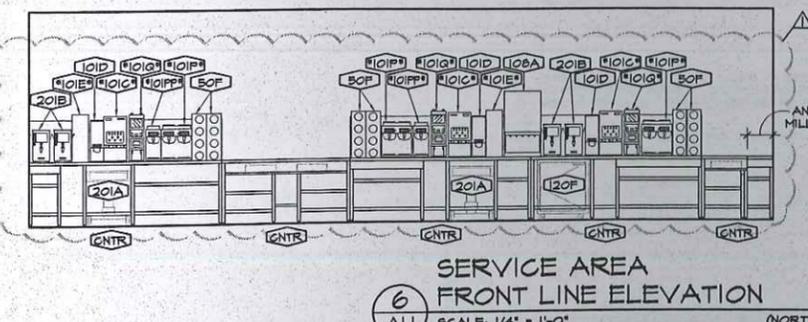
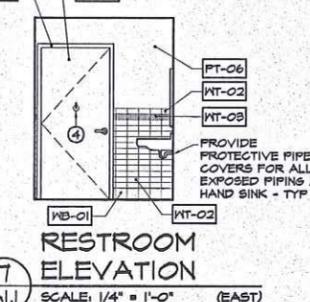
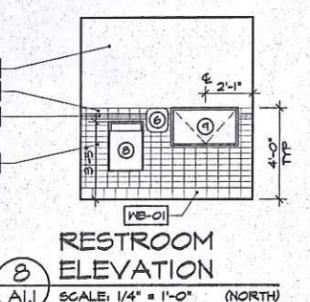
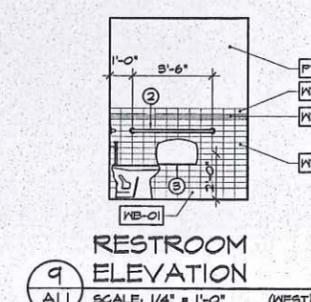
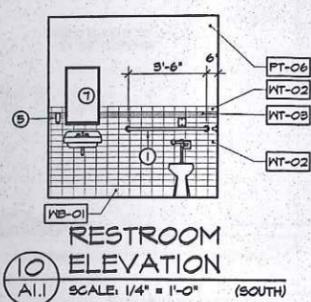
- 1) MOUNT ALL TOILET ACCESSORIES IN STRICT ACCORDANCE IV THE AMERICAN DISABILITIES ACT AND MA ARCHITECTURAL ACCESS REGULATIONS, 921 CMR CURRENT EDITION.
- 2) PROVIDE ANCHORS AS REQD FOR MOUNTING ALL ACCESSORIES.
- 3) GC TO FIELD VERIFY ALL SIZES & DIMENSIONS.
- 4) TOILET TISSUE AND PAPER TONEL DISPENSERS SUPPLIED BY LOCAL DCP AND INSTALLED BY GC.
- 5) ALL HAND DRYERS TO BE PURCHASED VIA NATIONAL ACCOUNTS - ALL DRYER COVERS SHOULD HAVE THE DUNKIN' DONUTS LOGO, WITH THE BRAND APPROVED GREEN MESSAGING BELOW IT.

**WALL FINISH SCHEDULE NOTES**

- 1) THIS INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FRESH BREW IMAGE
- 2) EQUIPMENT TAGS SEE EQUIPMENT SCHEDULE
- 3) ANY DINING ROOM/VESTIBULE/SALES AREA/ALCOVE AREAS NOT SHOWN IN ELEVATION SHALL PAINTED FT-06 IV/ WB-01 BASE
- 4) ALL DOORS & FRAMES IN ALCOVE TO BE PAINTED PT-02
- 5) BACK ROOM, BACK ROOM #2 AND OFFICE SHALL RECEIVE FRP-02 IV/ WB-02 BASE

XX-XX	WALL FINISH SCHEDULE			
CODE	MATERIAL	MANUFACTURER	PRODUCT NUMBER	DESCRIPTION/REMARKS
FRP-02	FIBERGLASS REINFORCED PANELS	MARLITE	9100 9/2/3 116241	SYM 91009, COLOR: WHITE; 48"x118.25", DMB0-0091
G-02	GROUT	LATICRETE	SPECTRALOCK 85 "ALMOND"	USE WITH ALL WALL TILE
FL-01	PLASTIC LAMINATE	WILSONART	7560K-18	COLOR: STUDIO TEAK (18) LINEARITY FINISH
PT-02	PAINT	SHERWIN WILLIAMS	5N6884	COLOR: OBSTINATE ORANGE FINISH: GLOSS
PT-05	PAINT	SHERWIN WILLIAMS	1099	COLOR: KNEEBY MOOL FINISH: SATIN
PT-06	PAINT	SHERWIN WILLIAMS	1118	COLOR: PRINSED JACKET FINISH: SATIN
WB-01	CERAMIC TILE			SEE A1.2
WB-02	QUARRY TILE			SEE A1.2
WC-01	WALL COVERINGS	APA COLOR GRAPHICS	FRESH BREW	
WT-01	WALL TILE	DALTILE	RITTENHOUSE SQUARE K165 "ALMOND"	3"x6", USE GROUT G-02 STACKED BOND PATTERN
WT-02	WALL TILE	DALTILE	MODERN DIMENSIONS 0161 "URBAN PUTTY"	3"x6", USE GROUT G-02 STACKED BOND PATTERN
WT-03	WALL TILE	DALTILE	ORANGE BURST	3"x6", USE GROUT G-02 (RESTROOM ACCENT BAND)

TOILET ACCESSORY SCHEDULE					
MARK	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MTG HEIGHT	REMARKS
1	REAR GRAB BAR	ASI	8701-86P	36" & OF UNIT	1 1/2" DIA, PEENED GRIP, POLISHED ENDS
2	SIDE GRAB BAR	ASI	8701-42P	36" & OF UNIT	1 1/2" DIA, PEENED GRIP, POLISHED ENDS
3	TOILET PAPER HOLDER	KC PROFESSIONAL	04551	24" & OF UNIT	SURFACE MOUNTED
4	COAT HOOK	ASI	0751	48" AF	MTD ON DOOR
5	SOAP DISPENSER	P16 CHEMICAL COMPANY	DERMA FOAM E	42" TO CONTROLS	SEE NATIONAL ACCOUNTS
6	AUTOMATIC HAND DRYER	EXCEL DRYER	XL-BM	42" TO CONTROLS	SEE NATIONAL ACCOUNTS
7	MIRROR (18"x20")	ASI	0620-2436	40" BOT OF MIRROR	
8	TRASH RECEPTACLE	ASI	0458	41" - 45" AF	
9	BABY CHANGING STATION	ASI	9012 HORIZONTAL	SEE INSTALLATION INS	
10	SAN NAPKIN DISPOSAL	ASI	0852		WOMENS ROOM ONLY



REVISIONS		
NUMBER	REMARKS	DATE
△	OWNER REVISIONS	4/27/12
△	OWNER REVISIONS	11/12/12

**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
[eatdrinkandmore]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**INTERIOR ELEVATIONS**

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL	MH
DRAWING NUMBER	



**AHARONIAN  
& ASSOCIATES INC.**  
ARCHITECTS

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
02917  
T 401-232-5010  
F 401-232-5000  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

**REVISIONS**

NUMBER	REMARKS	DATE
1	OWNER REVISIONS	11/2/12

**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
[eatdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**DRAWING TITLE**

**EXTERIOR ELEVATIONS**

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
MH/JL	MH
DRAWING NUMBER	

**EXTERIOR ELEVATION & SITE NOTES**

- 1) SITE & SIGN DETAILS SHOWN ARE SCHEMATIC ONLY. COORDINATE LOCATIONS IN FIELD WITH FRANCHISEE AND DD CONSTRUCTION MANAGER.
- 2) CUT/PATCH/REPAIR EXISTING PAVEMENT - SEALCOAT & RESTRIPE.
- 3) POWERWASH EXISTING SIDEWALKS, CURBS & CONC PADS. CLEAN, WEED & REMULCH ANY EXISTING LANDSCAPING.
- 4) CLEAN & REPAIR/REPLACE BUILDING & SITE LIGHTING, FIXTURES, LENS & LAMPS AS REQUIRED.
- 5) PROVIDE BC-1 & BC-2 BOLLARD COVERS ON ALL ETR BOLLARDS ON SITE.

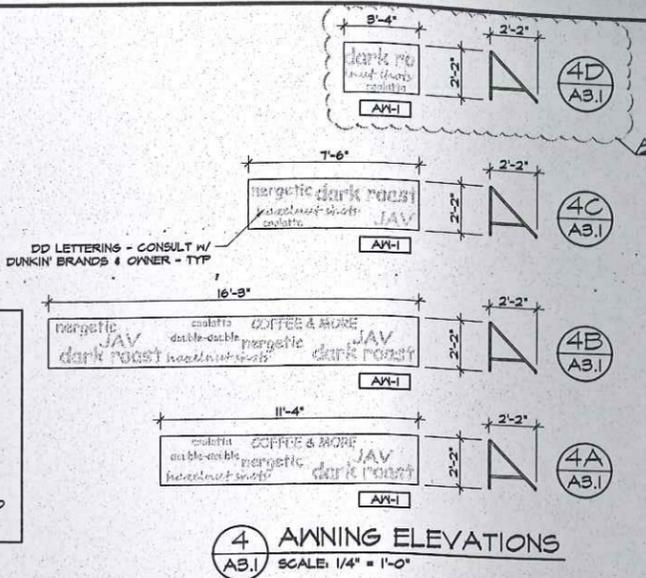
**EXTERIOR FINISH SCHEDULE**

CODE	MATERIAL	MANUFACTURER	PRODUCT NO	DESCRIPTION/REMARKS
AW-1	AWNING FABRIC	ARLON	FB BROWN AWNINGS	
BC-1	BOLLARD COVER	IDEAL SHIELD	BC1-CC-4-52-5	4" X 52" H ORANGE SLEEVE
BC-2	BOLLARD COVER	IDEAL SHIELD	BC2-CC-6-52-5	1" X 60" H ORANGE SLEEVE
PT-12	PAINT	SHERWIN WILLIAMS	2752 TABAC	FINISH: SATIN

**AWNING NOTES**

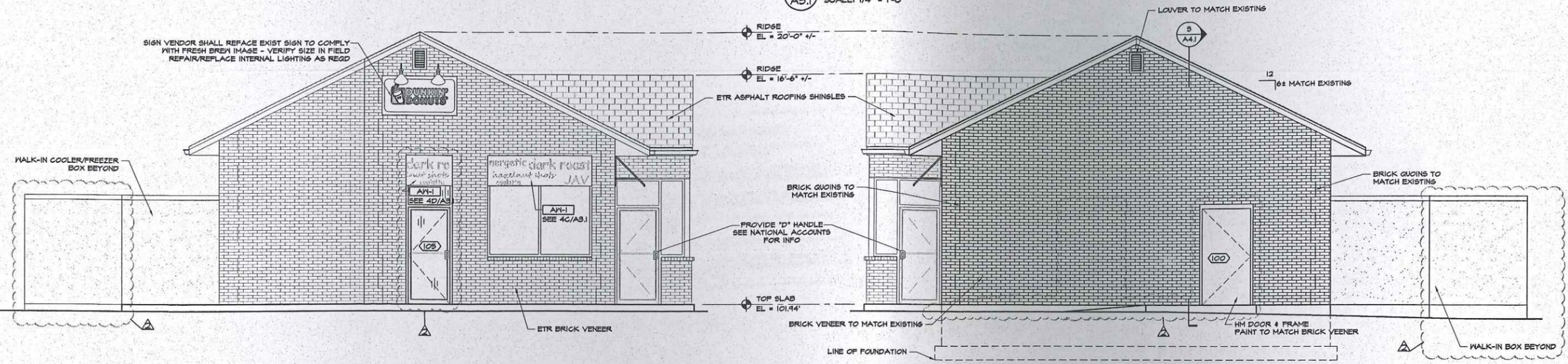
- 1) FRONT AWNING CONSTRUCTION: ALUMINUM FRAME COVERED WITH VINYL AWNING FABRIC. AWNING FRAME TO BE POWDER COAT PAINTED TO MATCH AWNING, SEMI-GLOSS FINISH. ENDS OF AWNINGS ARE OPEN, EXPOSING FRAME.
- 2) SEE EXTERIOR FINISH SCHEDULE FOR COLOR.
- 3) REFER TO NATIONAL ACCOUNTS FOR MATERIALS SPECIFICATIONS, CLEANING & WARRANTY.
- 4) EXTERIOR GRADE STRIP LIGHTS TO BE MOUNTED TO BRICK UNDERNEATH EACH AWNING. SEE A13.

DD LETTERING - CONSULT W/  
DUNKIN' BRANDS & OWNER - TYP



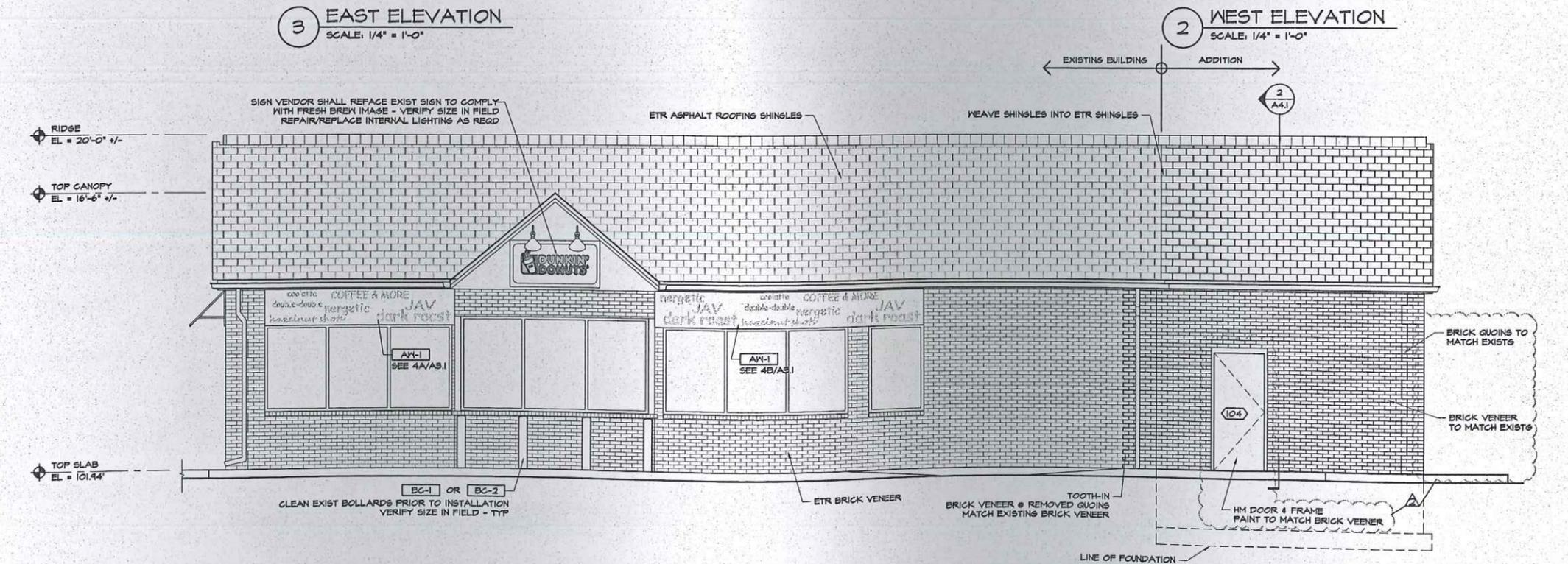
**4 AWNING ELEVATIONS**

SCALE: 1/4" = 1'-0"



**3 EAST ELEVATION**

SCALE: 1/4" = 1'-0"



**2 WEST ELEVATION**

SCALE: 1/4" = 1'-0"



**AHARONIAN  
& ASSOCIATES INC.**  
ARCHITECTS

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7  
T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

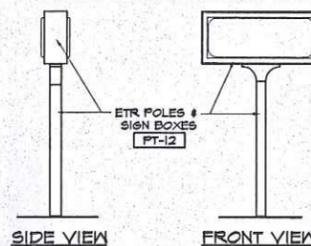
OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

**BUILDING & PYLON SIGN NOTES**

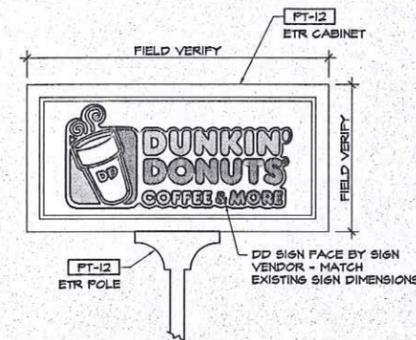
- 1) FACE TO BE FORMED CLEAR POLYCARBONATE, DECORATED SECOND SURFACE VINYL.
- 2) COFFEE CUP PORTION OF LOGO TO BE EMBOSSED - BALANCE OF LETTERS TO BE FLAT (NOT EMBOSSED).
- 3) FORMED 'CAP-OVER' FACE FITS OVER ALUMINUM RETURNS PTD, TO MATCH SHERWIN WILLIAMS 2182 'TABAC' FINISH.
- 4) ILLUMINATION: HO/CN FLUORESCENT LAMPS OR WHITE NICHIA LEDs.
- 5) SEE NATIONAL ACCOUNTS FOR ORDERING INFORMATION.
- 6) FRANCHISEE MAY OPT TO PROVIDE NEW SIGNS IN LIEU OF REPLACING SIGN FACES - COORDINATE WITH FRANCHISEE PRIOR TO FABRICATION.



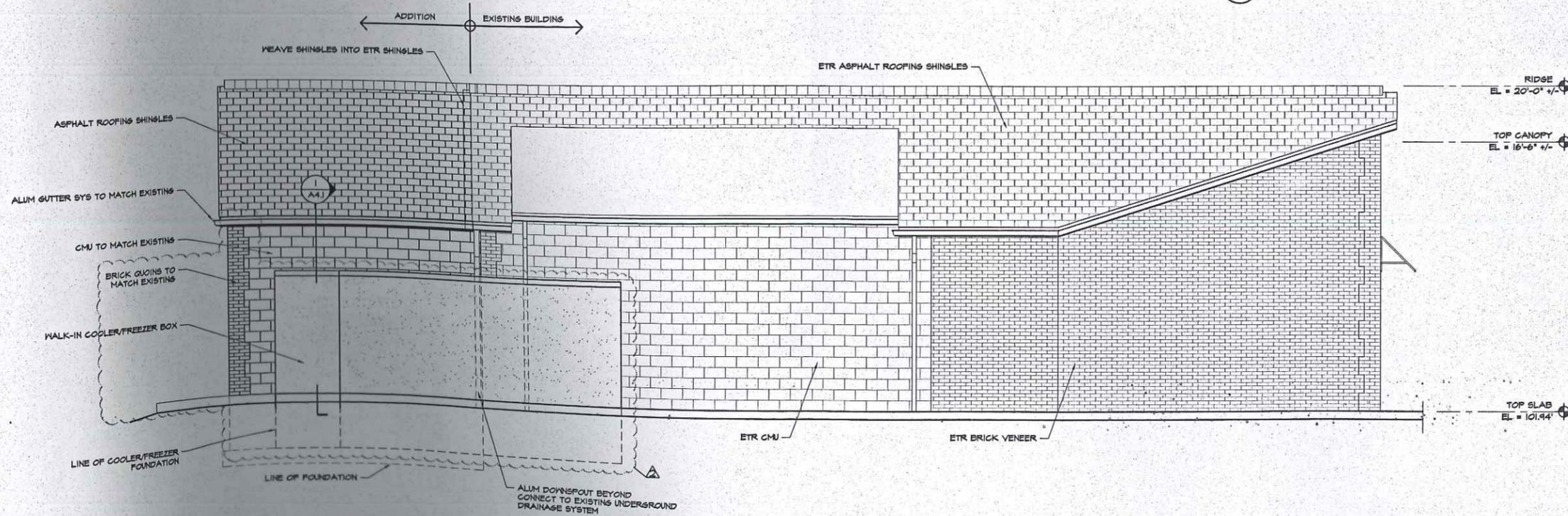
**DIRECTIONAL SIGN FACES**  
REPLACE EXISTING SIGN FACES AS REQUIRED TO COMPLY WITH NEW DD IMAGE



**3 DIRECTIONAL SIGN ELEVS**  
SCALE: 1/2" = 1'-0"



**2 PYLON SIGN ELEV**  
SCALE: 1/2" = 1'-0"



**1 SOUTH ELEVATION**  
SCALE: 1/4" = 1'-0"

REVISIONS		
NUMBER	REMARKS	DATE
1	OWNER REVISIONS	11/XX/12

**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
[eatdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**DRAWING TITLE**  
EXTERIOR & SIGN  
ELEVATIONS

DATE SEPT 11, 2012	PROJ NO 1291
DRAWN BY MH/JL	CHECKED BY MH
DRAWING NUMBER	



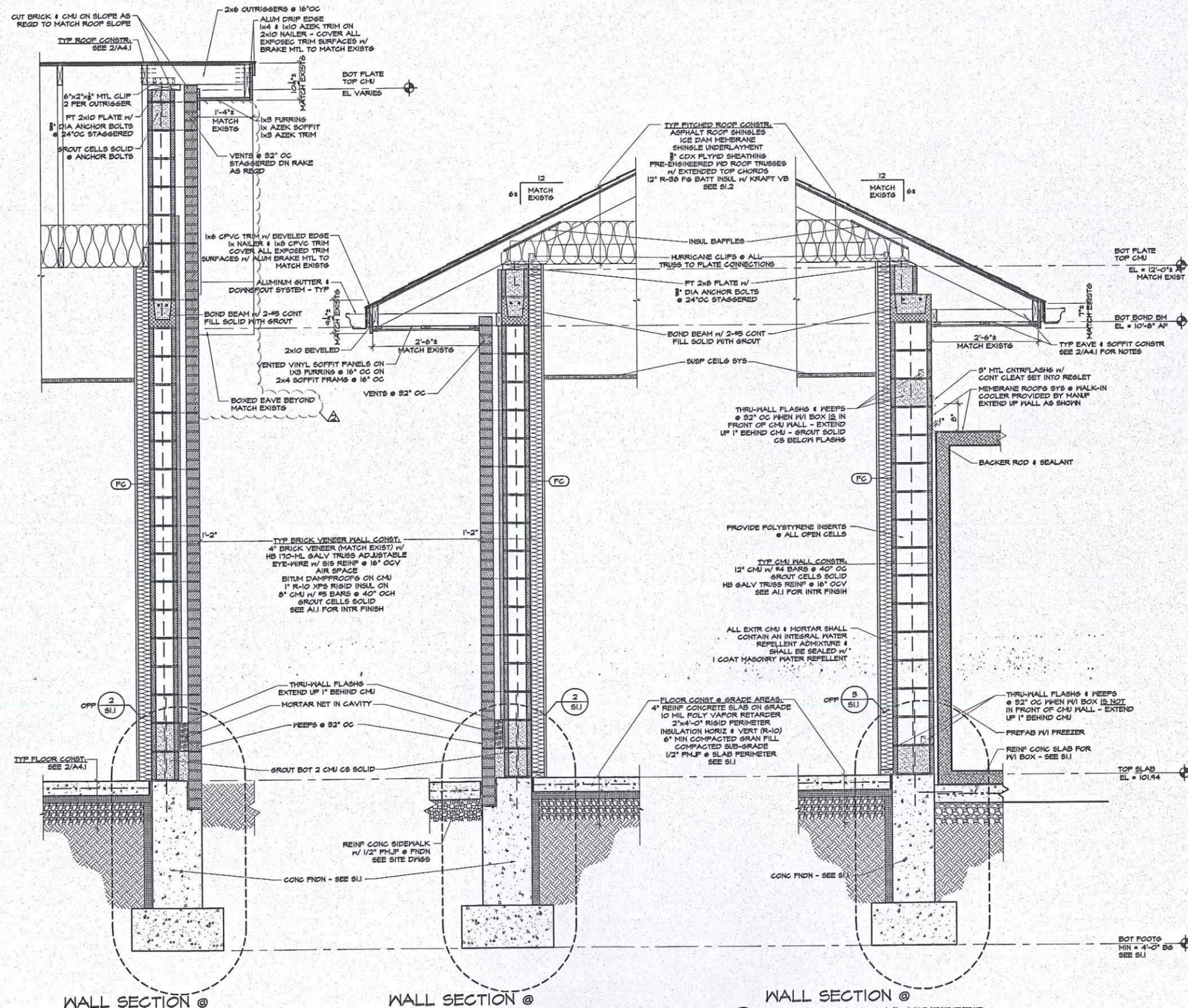
**AHARONIAN  
& ASSOCIATES INC.**  
ARCHITECTS

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7

T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.



REVISIONS		
NUMBER	REMARKS	DATE
1	OWNER REVISIONS	11/12/12

**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
[eatdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**WALL SECTIONS**

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
MH	MH
DRAWING NUMBER	
A 1 1	

**STRUCTURAL NOTES**

**GENERAL**

DESIGN IS IN ACCORDANCE WITH, AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE MASSACHUSETTS STATE BUILDING CODE.

THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER WHEN ANTICIPATED OR APPARENTLY DANGEROUS CONDITIONS ARE DISCOVERED DURING CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING LOCAL UTILITY COMPANIES PRIOR TO THE START OF ANY EXCAVATION OR SITE WORK.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE PORTION OF THE WORK.

OPENINGS LESS THAN 12" MAXIMUM DIMENSION IN SLABS AND WALLS ARE GENERALLY NOT SHOWN ON STRUCTURAL DRAWINGS. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR LOCATIONS AND DIMENSIONS OF CHASES, INSERTS, SLEEVES, OPENINGS AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.

DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE MOST NEARLY SIMILAR CONDITION AS DETERMINED BY THE ENGINEER.

INDICATES DIMENSIONS MAY CHANGE TO SUIT MANUFACTURERS REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ANY NECESSARY CHANGES.

**FOUNDATIONS**

FOUNDATIONS HAVE BEEN DESIGNED BASED UPON A CODE ALLOWED PRESUMPTIVE BEARING CAPACITY OF 2 KSF. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IF UNSUITABLE BEARING MATERIALS EXIST. THIS OFFICE IS NOT QUALIFIED TO DETERMINE SUBSURFACE BEARING CONDITIONS. IT IS RECOMMENDED THAT THE OWNER HIRE A GEOTECHNICAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT TO DETERMINE ALLOWABLE BEARING PRESSURES AND SUBSURFACE PREPARATIONS.

THE ARCHITECT/ENGINEER ASSUMES NO RESPONSIBILITY FOR THE VALIDITY OF SUBSURFACE CONDITIONS WHERE DESCRIBED ON DRAWINGS, SPECIFICATIONS, TEST BORINGS OR TEST FITS. THESE DATA ARE INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING CONSTRUCTION, AND REPRESENT CONDITIONS ONLY AT THESE SPECIFIC LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE.

UNDESIRABLE BEARING MATERIALS, SUCH AS MISCELLANEOUS FILL AND ORGANIC SOILS MAY EXIST IN AREAS OF NEW FOUNDATIONS. EXISTING UNSUITABLE MATERIALS SHALL BE EXCAVATED AS DIRECTED OR AS INDICATED ON THE DRAWINGS AND SHALL BE FOLLOWED BY PLACEMENT OF COMPACTED GRAVEL FILL AS SPECIFIED.

EXCAVATIONS FOR WALL AND COLUMN FOOTINGS SHALL BE FINISHED BY HAND.

WHERE ROCK IS ENCOUNTERED, IT SHALL BE EXCAVATED TO 1'-0" BELOW BOTTOM OF FOOTINGS & SLABS AND REPLACED WITH A 6" LAYER OF COMPACTED GRAVEL OR SAND.

NO FOUNDATION CONCRETE SHALL BE PLACED IN WATER OR ON FROZEN SOIL.

BACKFILL UNDER ANY PORTION OF THE STRUCTURE SHALL BE COMPACTED TO 95%.

COMPACT SOIL TO 95% OF MAX. DRY DENSITY UNDER FOOTINGS AND BENEATH SLABS.

PLACE CONSTRUCTION JOINTS IN SLABS AND FOUNDATION WALLS IN ACCORDANCE WITH DETAILS AND AT LOCATIONS INDICATED ON DRAWINGS.

PLACE 6" LAYER OF FINE GRANULAR FILL DIRECTLY BENEATH SLAB ON GRADE. PLACE 10 MIL POLY VAPOR RETARDER UNDER GRANULAR FILL. THOROUGHLY WET & COMPACT 24 HRS. PLACING CONC. (OPTIONAL REQUIREMENT DEPENDENT ON SPECIFIC SITE CONDITIONS. NEED FOR THIS TYPE OF CONSTRUCTION SHALL BE DETERMINED BY ENGINEER.)

BACKFILL SHALL BE PLACED AND COMPACTED SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION WALLS WHEREVER POSSIBLE.

CONTRACTOR SHALL MAINTAIN CONTINUOUS CONTROL OF SURFACE AND SUBSURFACE WATER DURING CONSTRUCTION SO THAT WORK IS DONE UNDER DRY CONDITIONS ON UNDISTURBED SUBGRADE MATERIAL OR COMPACTED FILL, AS APPLICABLE.

ALL EMBANKMENTS AND BACKFILL AROUND STRUCTURES SHALL BE COMPACTED TO 90%.

ALL BELOW GRADE CONCRETE SHALL BE COATED WITH A BITUMINOUS BASED DAMPROOFING MATERIAL WHERE ADJACENT TO BASEMENT LEVELS, ELEVATOR FITS, SUMP FITS, AND ALL OTHER SUB-GRADE USABLE AREAS.

**CONCRETE**

CONCRETE WORK SHALL CONFORM TO LATEST EDITIONS OF BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).

CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED UNDER THE SUPERVISION OF THE APPROVED TESTING AGENCY.

CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI FOR FOOTINGS, FOUNDATIONS, AND INTERIOR SLABS ON GRADE. EXTERIOR WALKS AND DRIVEWAYS SHALL BE SUBJECT TO DEICER CHEMICALS SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3500 PSI.

ALL CONCRETE SHALL BE AIR-ENTRAINED.

CONCRETE SHALL BE CURED FOR A MINIMUM OF SEVEN DAYS BEFORE ANY LOADS ARE APPLIED THERETO.

CONSTRUCTION JOINTS SHALL BE PLACED AS SHOWN ON THE DRAWINGS. CHANGES SHALL NOT BE MADE WITHOUT APPROVAL OF THE ENGINEER.

CONCRETE SHALL BE PLACED SO THAT SLAB THICKNESS IS AT NO POINT LESS THAN THAT INDICATED ON DRAWINGS. THIS REQUIRES THAT STRUCTURAL SLABS NOT BE CAST DEAD LEVEL WHEN SUPPORTING MEMBERS HAVE ANY UPWARD CHAMBER.

PROVIDE A SMOOTH RUBBED SURFACE, FREE FROM BURRS, TIE HOLES, HONEYCOMBS, ETC. ON EXPOSED CONCRETE WALLS.

PROVIDE A STEEL TROWELED FINISH FOR SLABS-ON-GRADE AND BROOM FINISH FOR EXTERIOR SLABS.

ALL FOUNDATION WALLS SHALL HAVE AT LEAST 2-#5 BARS CONTINUOUS AT TOP OF WALL, WITH BENT CORNER BARS AT WALL INTERSECTIONS AND CORNERS, UNLESS OTHERWISE NOTED.

ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER TYPICALLY, UNLESS NOTED OTHERWISE.

**STRUCTURAL NOTES**

**C) CONCRETE (CONT)**

- PORTLAND CEMENT TYPE I SHALL BE USED FOR ALL CONCRETE. PROVIDE MINIMUM 5 1/2 BAGS OF CEMENT PER CUBIC YARD OF 3000 PSI CONCRETE AND MINIMUM 6 BAGS OF CEMENT PER CUBIC YARD OF 3500 PSI CONCRETE.
- THE MAXIMUM PERMISSIBLE WATER-CEMENT RATIO OF CONCRETE SHALL BE 0.50 FOR AIR-ENTRAINED 3000 PSI CONCRETE (9.6 GALLONS PER 44 LB. BAG OF CEMENT), AND SHALL BE 0.49 FOR AIR-ENTRAINED 3500 PSI CONCRETE (5.1 GALLONS PER 44 LB. BAG OF CEMENT).
- AT ALL CONSTRUCTION JOINTS WHICH ARE NOT DESIGNED OR DESIGNATED TO BE CONTROL JOINTS, NEW CONCRETE SHALL BE EPOXY BONDED TO HARDENED CONCRETE WITH SIKADUR 52, HI-MOD LFL MANUFACTURED BY SIKA CORP. OR ENGINEER APPROVED EQUIVALENT. AFFLY PER MANUFACTURER'S RECOMMENDATIONS.
- ELASTOMERIC SEALANT SHALL BE 'SIKA FLEX 1A' AS MANUFACTURED BY SIKA CORP. OR ENGINEER APPROVED EQUIVALENT.
- ALL CONCRETE SHALL BE PLACED IN THE DRY.
- WHERE CONSTRUCTION JOINTS ARE NOT SHOWN, OR WHEN ALTERNATE LOCATIONS ARE PROPOSED, DRAWINGS SHOWING LOCATION OF CONSTRUCTION AND CONTROL JOINTS AND CONCRETE PLACING SEQUENCE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PREPARATION OF THE REINFORCEMENT SHOP DRAWINGS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CONCRETE TESTING BY AN APPROVED TESTING AGENCY FOR ALL CONCRETE PLACED ON THE PROJECT. SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 100 CUBIC YARDS OF CONCRETE, NOR LESS THAN ONCE FOR EACH 5000 SQ. FT. OF SURFACE AREA FOR SLABS AND WALLS. SAMPLES FOR STRENGTH TESTS SHALL BE TAKEN IN ACCORDANCE WITH ASTM C172. COPIES OF ALL TEST RESULTS SHALL BE FORWARDED TO THE ARCHITECT/ENGINEER BY THE G.C.
- CONCRETE (OTHER THAN HIGH-EARLY-STRENGTH) SHALL BE MAINTAINED ABOVE 50 DEGREES F AND IN A MOIST CONDITION FOR AT LEAST THE FIRST SEVEN DAYS AFTER PLACEMENT, EXCEPT WHEN CURING IS TO BE ACCELERATED IN ACCORDANCE WITH ACI 318.
- DURING COLD WEATHER CONDITIONS ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING CONCRETE MATERIALS AND PROTECTING CONCRETE DURING FREEZING OR NEAR FREEZING WEATHER.
- DURING HOT WEATHER CONDITIONS, ATTENTION SHALL BE GIVEN TO GIVEN INGREDIENTS, PRODUCTION METHODS, HANDLING, PLACING, PROTECTION, AND CURING TO PREVENT EXCESSIVE CONCRETE TEMPERATURES OR WATER EVAPORATION THAT WOULD IMPAIR REQUIRED STRENGTH OR SERVICEABILITY OF THE STRUCTURE.
- CONCRETE SHALL BE PLACED W/O HORIZONTAL CONSTRUCTION JOINTS EXCEPT WHERE SHOWN OR NOTED. VERTICAL CONSTRUCTION JOINTS AND STOPS IN CONCRETE WORK SHALL BE MADE AT MID SPAN OR AT POINTS OF MINIMUM SHEAR.
- PROCESS AND ELECTRICAL DRAWINGS MAY IDENTIFY AND LOCATE EMBEDDED ITEMS (PIPES, SLEEVES, EQUIP. BOLTS, RAILINGS, LIFTING RINGS, FRAMES, ETC.) AND ARE TO BE USED IN CONJUNCTION WITH STRUCT. DRAWINGS DURING CONSTRUCTION.
- ALL EQUIPMENT ANCHOR BOLTS FURNISHED BY EQUIPMENT MANUFACTURER TO BE INSTALLED BY GENERAL CONTRACTOR, AND SHALL BE HOT-DIPPED GALVANIZED.

- REINFORCING STEEL SHALL BE GRADE 60 NEW BILLET STEEL, CONFORMING TO ASTM A615. WELDED WIRE FABRIC SHALL BE ASTM A185.
- DETAILING, FABRICATION AND ERECTION OF REINFORCEMENT SHALL CONFORM TO LATEST EDITIONS OF 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI 318) AND 'MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES' (ACI 318).
- MINIMUM COVER OF CONCRETE SHALL BE 3" AT BOTTOMS OF FOOTINGS. REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
- INSTALLATION OF REINFORCEMENT SHALL BE COMPLETED AT LEAST 24 HOURS PRIOR TO SCHEDULED CONCRETE PLACEMENT, UNLESS OTHERWISE APPROVED BY ENGINEER.
- MINIMUM CONCRETE COVER FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
  - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3.0"
  - CONCRETE EXPOSED TO EARTH OR WEATHER #6 THROUGH #10 BARS #5 BAR #8 OR D81 WIRE, AND SMALLER 2.0"
  - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND #11 BAR AND SMALLER 1.5"
- PROVIDE AND SCHEDULE ON SHOP DRAWINGS THE NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN POSITION. MINIMUM REQUIREMENTS SHALL BE HIGH CHAIRS, 4'-0" O.C. WITH CONTINUOUS #5 SUPPORT BAR, SLAB BOLSTERS, CONTINUOUS AND 3'-6" O.C., BEAM BOLSTERS, 3'-0" O.C. ALL CHAIRS SHALL BE GALVANIZED AND SHALL BE USED AGAINST ALL FORMS (SLABS, WALLS, FILASTERS, ETC.)
- WHERE CONTINUOUS REINFORCEMENT IS CALLED FOR IT SHALL BE EXTENDED CONTINUOUS AROUND CORNERS AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS END. MIN. LAP OF REINFORCING BARS SHALL BE 48 BAR DIAM., UNO.
- WHERE REINFORCEMENT IS REQUIRED IN SECTION, REINFORCEMENT IS CONSIDERED TYPICAL WHEREVER THE SECTION APPLIES.
- WHERE THERE IS A CONFLICT BETWEEN LOCATIONS OF COLUMN VERTICAL BARS AND BEAM HORIZONTAL BARS, THE COLUMN BARS SHALL REMAIN IN THEIR DESIGNATED POSITIONS AND BEAM BAR LOCATIONS SHALL BE ADJUSTED.
- COLUMN DOVELLS SHALL BE SET WITH A TEMPLATE AND POSITIONED SO AS TO BE ENCLOSED BY THE COLUMN TIES.
- UNO., DOVELLS SHALL MATCH BAR SIZE AND NUMBER.
- WELDED WIRE FABRIC SHALL LAP 6" OR ONE SPACE, WHICHEVER IS LARGER, AND SHALL BE WIRED TOGETHER.
- REINFORCEMENT SHALL NOT BE TACK WELDED.
- SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

- REINFORCING STEEL SHALL BE GRADE 60 NEW BILLET STEEL, CONFORMING TO ASTM A615. WELDED WIRE FABRIC SHALL BE ASTM A185.
- DETAILING, FABRICATION AND ERECTION OF REINFORCEMENT SHALL CONFORM TO LATEST EDITIONS OF 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI 318) AND 'MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES' (ACI 318).
- MINIMUM COVER OF CONCRETE SHALL BE 3" AT BOTTOMS OF FOOTINGS. REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
- INSTALLATION OF REINFORCEMENT SHALL BE COMPLETED AT LEAST 24 HOURS PRIOR TO SCHEDULED CONCRETE PLACEMENT, UNLESS OTHERWISE APPROVED BY ENGINEER.
- MINIMUM CONCRETE COVER FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
  - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3.0"
  - CONCRETE EXPOSED TO EARTH OR WEATHER #6 THROUGH #10 BARS #5 BAR #8 OR D81 WIRE, AND SMALLER 2.0"
  - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND #11 BAR AND SMALLER 1.5"
- PROVIDE AND SCHEDULE ON SHOP DRAWINGS THE NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN POSITION. MINIMUM REQUIREMENTS SHALL BE HIGH CHAIRS, 4'-0" O.C. WITH CONTINUOUS #5 SUPPORT BAR, SLAB BOLSTERS, CONTINUOUS AND 3'-6" O.C., BEAM BOLSTERS, 3'-0" O.C. ALL CHAIRS SHALL BE GALVANIZED AND SHALL BE USED AGAINST ALL FORMS (SLABS, WALLS, FILASTERS, ETC.)
- WHERE CONTINUOUS REINFORCEMENT IS CALLED FOR IT SHALL BE EXTENDED CONTINUOUS AROUND CORNERS AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS END. MIN. LAP OF REINFORCING BARS SHALL BE 48 BAR DIAM., UNO.
- WHERE REINFORCEMENT IS REQUIRED IN SECTION, REINFORCEMENT IS CONSIDERED TYPICAL WHEREVER THE SECTION APPLIES.
- WHERE THERE IS A CONFLICT BETWEEN LOCATIONS OF COLUMN VERTICAL BARS AND BEAM HORIZONTAL BARS, THE COLUMN BARS SHALL REMAIN IN THEIR DESIGNATED POSITIONS AND BEAM BAR LOCATIONS SHALL BE ADJUSTED.
- COLUMN DOVELLS SHALL BE SET WITH A TEMPLATE AND POSITIONED SO AS TO BE ENCLOSED BY THE COLUMN TIES.
- UNO., DOVELLS SHALL MATCH BAR SIZE AND NUMBER.
- WELDED WIRE FABRIC SHALL LAP 6" OR ONE SPACE, WHICHEVER IS LARGER, AND SHALL BE WIRED TOGETHER.
- REINFORCEMENT SHALL NOT BE TACK WELDED.
- SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

**DESIGN LOADS**

INTERNATIONAL BUILDING CODE 2004 W/ MASSACHUSETTS STATE BUILDING CODE 180 CMR, 8th EDITION AMENDMENTS

**LIVE & CONCENTRATED LOADS:**

RETAIL AREAS	100 PSF
STORAGE AREAS (LIGHT)	125 PSF
MIN. CONCENTRATED FLOOR LOAD	3000 LBS

**MISC. DATA:**

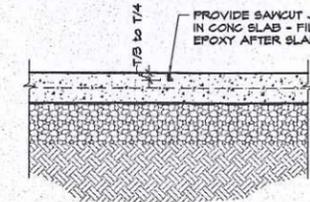
PRESUMED SOIL BEARING CAPACITY	2 KSF
MIN. FLAT ROOF SNOW LOAD	90 PSF
BASIC WIND SPEED	110 MPH, EXP B
MIN. FROST DEPTH	4'-0"

**SEISMIC DESIGN CRITERIA:**

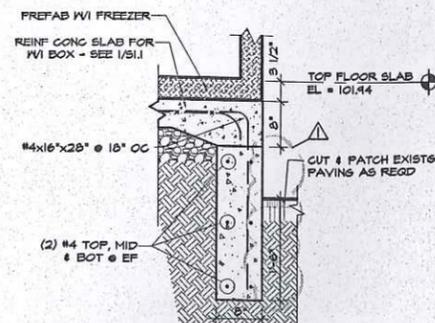
SEISMIC IMPORTANCE FACTOR  $I_e=1.0$   
 SEISMIC USE GROUP II  
 SPECTRAL RESPONSE ACCELERATIONS  $S_s=0.262$   $S_1=0.065$   
 SITE CLASS D  
 SEISMIC RESPONSE COEFFICIENTS  $S_{ds}=0.274$   $S_{d1}=0.101$   
 SEISMIC DESIGN CATEGORY B  
 LIGHT FRAMED WALLS WITH SHEAR PANELS- WOOD  $R_w=6$   $I_w=2$   $C_w=4$   
 DESIGN BASE SHEAR = 4,940#  
 SIMPLIFIED ANALYSIS PROCEDURE

**NOTES**

- SANUCUT SHRINKAGE CONTROL JOINTS SHALL BE PROVIDED WITHIN 12 HRS. OF SLAB PLACEMENT, AS SOON AS CONCRETE IS CAPABLE OF SUPPORTING SANUCUTTING EQUIPMENT.
- LOCATE SHRINKAGE CONTROL JOINTS AS INDICATED ON SLAB PLAN, OR AT A MAXIMUM SPACING OF 20 FT. OC IF NOT INDICATED ON PLANS. RESULTING SHAPE SHALL NOT BE GREATER THAN 400 SF NOR EXCEED A 1.5 : 1 LENGTH TO WIDTH RATIO.
- OPTIONALLY, THE SHRINKAGE CONTROL MAY SUBSTITUTE PRE-FABRICATED PLASTIC STRIPS INSTEAD OF SANUCUTTING. SUBMIT CATALOG CUTS FOR APPROVAL PRIOR TO USING.



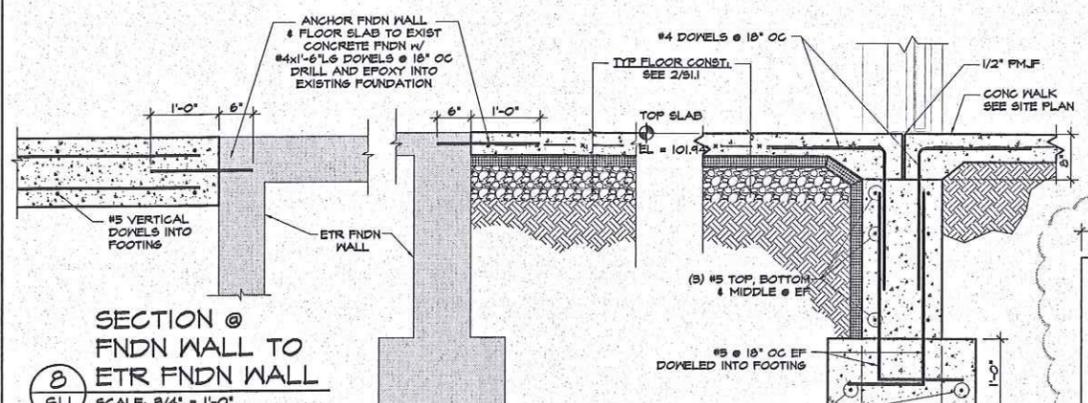
**9 SHRINKAGE CONTROL DETAIL**  
 S.I. SCALE: 3/4" = 1'-0"



**10 SLAB/FNDN DETAIL @ WALK-IN BOX**  
 S.I. SCALE: 3/4" = 1'-0"

**GENERAL FOUNDATION NOTES**

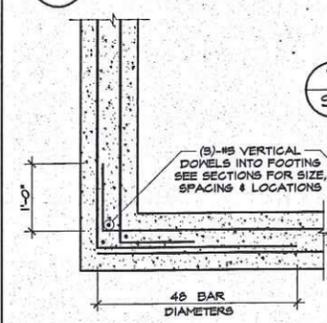
- ALL SERVICES SHALL BE COORDINATED BY THE GENERAL CONTRACTOR.
- PROVIDE 1/2" COMPRESSIBLE FILLER AT ENTIRE PERIMETER OF CONCRETE SLABS.
- PROVIDE SLEEVES IN FOUNDATION WALL TO ACCOMMODATE WATER SERVICE AND SANITARY WASTE LINE. REFER TO PLUMB & ELEC DWGS PLAN FOR ACTUAL LOCATIONS.



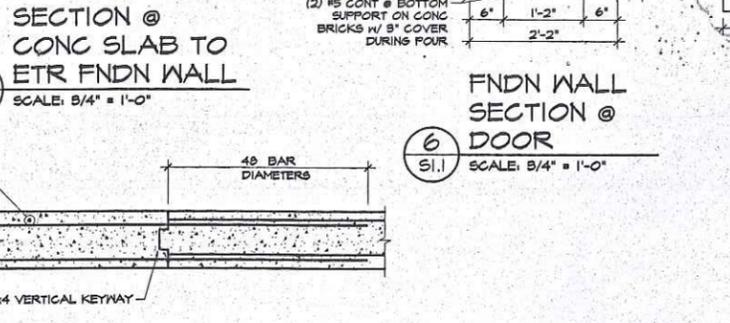
**8 SECTION @ FNDN WALL TO ETR FNDN WALL**  
 S.I. SCALE: 3/4" = 1'-0"



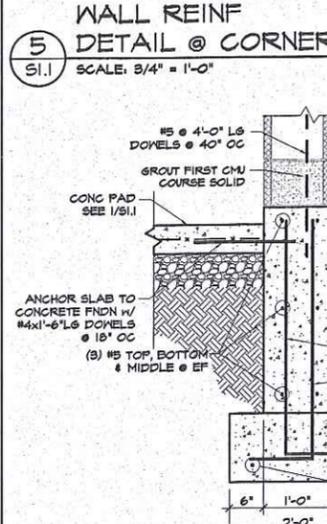
**7 SECTION @ CONG SLAB TO ETR FNDN WALL**  
 S.I. SCALE: 3/4" = 1'-0"



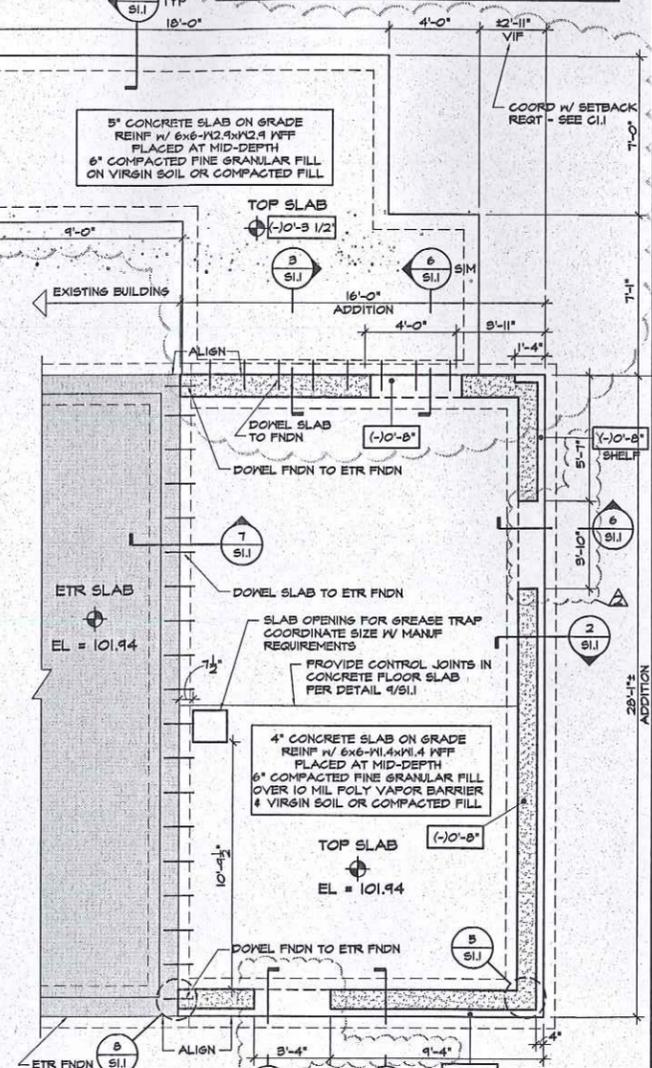
**5 WALL REINF DETAIL @ CORNERS**  
 S.I. SCALE: 3/4" = 1'-0"



**4 TYP WALL CONTROL JOINT DETAIL**  
 S.I. SCALE: 3/4" = 1'-0"



**6 FNDN WALL SECTION @ DOOR**  
 S.I. SCALE: 3/4" = 1'-0"



NUMBER	REMARKS	DATE
1	OWNER REVISIONS	4/27/12
2	OWNER REVISIONS	11/2/12

**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
 [eat drink think]  
 PC# 310289

448 MAIN STREET  
 WATERTOWN, MA  
 Middlesex County

**FOUNDATION PLAN & DETAILS**

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL/MH	MH
DRAWING NUMBER	



**AHARONIAN & ASSOCIATES INC.**  
 ARCHITECTS  
 310 George Washington Highway  
 Suite 100  
 Smithfield, Rhode Island  
 0 2 9 1 7  
 T 401-232-5010  
 F 401-232-5080  
 WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.



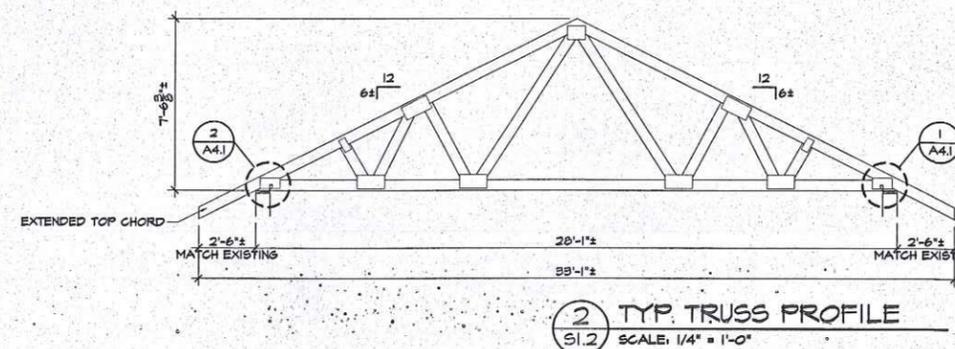
**AHARONIAN  
& ASSOCIATES INC.  
ARCHITECTS**

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7

T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.



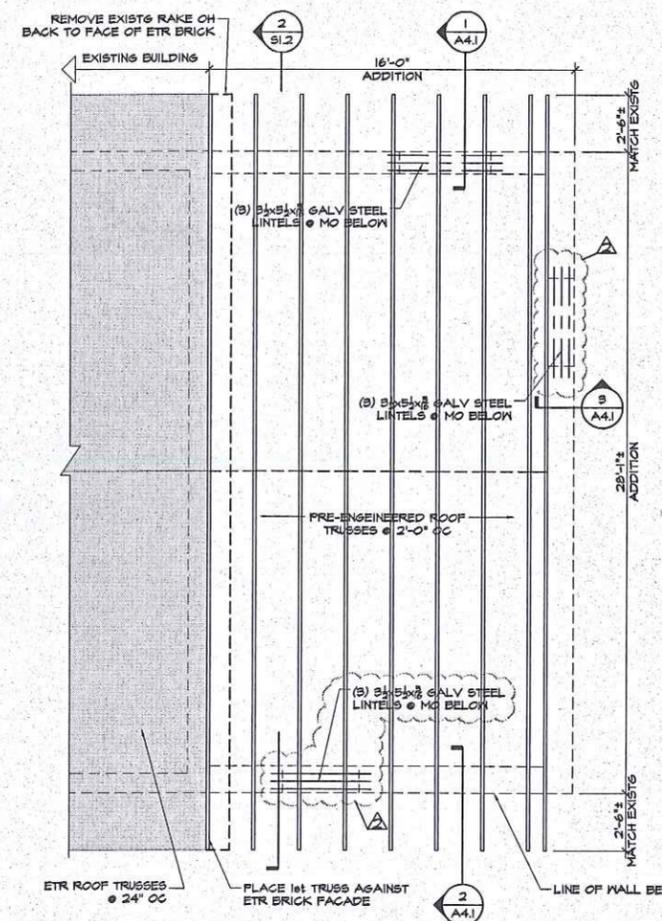
**2 TYP. TRUSS PROFILE**  
SCALE: 1/4" = 1'-0"

**NOTES**

- 1) THE TRUSS LAYOUT HAS BEEN PREPARED FOR THE PURPOSE OF DESIGN INTENT ONLY AND SHALL NOT BE CONSIDERED AN ENGINEERED DOCUMENT. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE ENGINEERED DESIGN, INCLUDING TRUSS SHOP DRAWINGS, ENGINEERING CALCULATIONS, BRACINGS, AND ALL CONNECTIONS.
- 2) TRUSS MANUFACTURER TO ALLOW FOR ALL CODE RELATED LOADING AS WELL AS WEIGHTS OF RTU'S AND ALL MECH EQUIP IN TRUSS DESIGN.
- 3) TRUSS PROFILE, SLOPE, TOP CHORD EXTENSIONS & TRUSS SPAN ARE APPROXIMATE. GC TO VERIFY ALL DIMS, PROFILES & DETAILS OF THE EXISTING TRUSSES TO ENSURE THE TRUSSES FOR THE ADDITION WILL MATCH THE EXISTING TRUSSES.

**GENERAL NOTES - STRUCTURAL LUMBER, ENGINEERED LUMBER**

- 1) ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF 'TIMBER CONSTRUCTION STANDARDS' OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE 'NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENINGS' OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- 2) THE MINIMUM GRADES AND DESIGN VALUES REQUIRED FOR STRUCTURAL LUMBER SHALL BE:  
STUDS: SPRUCE-PINE-FIR CONSTRUCTION GRADE  
FB=1000 PSI E=1,800,000 PSI  
HEADERS: SPRUCE-PINE-FIR #2 OR BETTER  
FB=875 PSI E=1,400,000 PSI
- 3) ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED WITH PRESERVATIVE.
- 4) ROOF SHEATHING SHALL BE MINIMUM 5/8" APA STRUCTURAL I RATED SHEATHING EXPOSURE 1 OR EXTERIOR GRADE. SHEATHING SHALL BE NAILED WITH 10D NAILS NOT LESS THAN 6" OC ON ALL SUPPORTED PANEL EDGES. TH CLIPS SHALL BE USED AT ALL UNSUPPORTED EDGES. NAIL TO INTERMEDIATE MEMBERS 12" OC. ADHESIVE USED SHALL BE WATERPROOF, MEETING THE REQUIREMENTS OF ASTM D-2554-16.
- 5) ALL SIMPSON CONNECTORS (HANGERS, STRAPS, UPLIFT CONNECTORS, ECT.) SHALL BE COATED WITH Z-MAX CORROSION RESISTANCE.
- 6) ALL ROOF TRUSSES AND OVERHANGING WOOD MEMBERS SHALL BE HELD DOWN WITH HURRICANE ANCHORS PER TRUSS MANUFACTURERS REQUIREMENTS.
- 7) WOOD TRUSSES SHALL BE DESIGNED PER THE 'DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES', PUBLISHED BY THE TRUSS PLATE INSTITUTE.
- 8) WOOD TRUSS FABRICATOR SHALL SUBMIT TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION, SHOP DRAWINGS BEARING SEAL AND SIGNATURE OF THE DESIGN PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF MASSACHUSETTS.
- 9) SHOP DRAWINGS SHALL INCLUDE BUT ARE NOT LIMITED TO: TRUSS LAYOUT PLAN; TRUSS DETAIL SHEETS SHOWING CONFIGURATION, DIMENSIONS, LOADS, MEMBER SIZES AND GRADES, MEMBER FORCES, CONNECTION PLATE SIZES, AND PERMANENT BRACING REQUIRED; TRUSS CONNECTION HANGERS FOR FLUSH FRAMING.
- 10) SEE GENERAL NOTES - DESIGN LOADS FOR DESIGN LOADS ON TRUSSES.
- 11) WOOD TRUSS ERECTOR SHALL BE RESPONSIBLE FOR DESIGN AND INSTALLATION OF ALL TEMPORARY ERECTION BRACINGS.
- 12) ADHESIVE USED SHALL BE WATERPROOF, MEETING THE REQUIREMENTS OF ASTM D-2554-16.



**REVISIONS**

NUMBER	REMARKS	DATE
1	OWNER REVISIONS	11/12/12

**FOR CONSTRUCTION**

PROJECT TITLE



448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

DRAWING TITLE

ROOF FRAMING  
PLAN & DETAILS

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
MH	MH
DRAWING NUMBER	



**NATIONAL ACCOUNT INFORMATION**

FOR COMPLETE NATIONAL ACCOUNTS SOURCE INFORMATION, REFER TO THE DUNKIN' BRANDS NATIONAL ACCOUNT WEB SITE (<http://ext.kennedybrands.com/>). TO OBTAIN A USER NAME AND PASSWORD PLEASE CONSULT YOUR LOCAL CONSTRUCTION MANAGER.

CONTRACTOR TO IDENTIFY ONESELF AS WORKING WITH DUNKIN' BRANDS WHEN ORDERING FROM NATIONAL ACCOUNTS.

**ACOUSTICAL CEILING SYSTEMS (ALL REGIONS)**  
 ARMSTRONGS WORLD INDUSTRIES  
 SHERRY BRUNT OR PHYLLIS MILLER - ORDERS  
 T: 1-800-442-4212  
**E: BPO STRATEGIC ACCOUNTS**  
 ARMSTRONGS.COM  
 REFERENCE: DUNKIN' BRANDS, INC.  
 STRATEGIC ACCOUNT  
 ROBERT D. WILLIAMS - REPRESENTATIVE  
 T: 1-877-ARMSTRONGS, OPTION 8, EXT 8082  
 F: 717-347-8084  
 RDWILLIAMS@ARMSTRONGS.COM  
 WWW.ARMSTRONGS.COM/CEILING

**FLOOR & WALL TILES**  
 DAL TILE  
 REPRESENTATIVE: PAULA TOSTI  
 PAULA.TOSTI@DAL TILE.COM  
 F: 478-461-2428  
 F: 478-461-0974

**VINYL COVERBASE**  
 ORDERS: LOCAL ARMSTRONGS FLOORING  
 DISTRIBUTORS - CALL ARMSTRONGS  
 CUSTOMER SERVICE FOR LOCAL DISTRIBUTOR  
 INFORMATION: 1-800-442-4212 OPT 2  
 REFERENCE: DUNKIN' BRANDS PRICING  
 ACCOUNT MANAGER  
 F: 717-309-8148  
 EMAIL: BLACKERMAN@ARMSTRONGS.COM  
 WWW.ARMSTRONGS.COM/FLOORING

**WALL COVERINGS**  
 AFA COLOR GRAPHICS  
 ORDERS: CHUCK BOGLE OR DALE DRANE  
 F: (800) 549-5718  
 F: (404) 855-1854  
 E: DALE@AFACOLORSGRAPHICS.COM OR  
 CHUCK@AFACOLORSGRAPHICS.COM

**PAINT**  
 BENJAMIN MOORE PAINTS -  
 REPRESENTATIVE: STACEY WHITE  
 NATIONAL ACCOUNT CODE: NAO14  
 T: 800-698-5147 EXT-1840  
 C: 617-498-1128  
 STACEY.WHITE@BENJAMINMOORE.COM  
 OR HOWARD SKELTON  
 C: 410-409-4074  
 www.benjaminmoore.com

**SHERVIN WILLIAMS**  
 REP: MARK T. WEINER, CSI  
 T: 401-245-5176  
 F: 401-245-5168  
 C: 617-498-1408  
 E: MARK.T.WEINER@SHERVIN.COM  
 WWW.SHERVINWILLIAMS.COM

**FIBERGLASS REINFORCED PANELS (FRP)**  
 MARLITE CORPORATION  
 ORDER DISTRIBUTOR LISTED BELOW:  
 DOVER, OH (330) 364-7561 OR (330)  
 343-8621  
 GRAND PRAIRIE, TX (712) 660-6445  
 SANTA FE SPRINGS, GA (762) 426-7208  
 REPRESENTATIVE  
 JAIME MCDONNARD  
 F: 603-424-4128  
 C: 580-260-7627  
 WWW.MARLITE.COM

**CRANE COMPOSITES (KEMLITE)**  
 CALL MANUFACTURER FOR CLOSEST  
 DISTRIBUTOR: 800-488-0800  
 REFERENCE: NFP PROGRAM  
 REPRESENTATIVE: ROBERT MURPHY  
 C: 781-626-1588  
 Rmurphy@crane-composites.com  
 WWW.CRANE-COMPOSITES.COM

**LIGHTING FIXTURES, INTERIOR & EXTERIOR**  
 VILLA LIGHTING  
 MELANIE ADAMS - ORDERS  
 C: (800) 325-0463  
 F: (314) 591-8720  
 EMAIL: MELANIE.ADAMS@VILLALIGHTING.COM  
 WEB PAGE: WWW.VILLALIGHTING.COM  
 STEVE DEMERIS - REPRESENTATIVE  
 C: 508-668-9318  
 STEVE@VILLALIGHTING.COM

**STORE GRAPHICS**  
 DSS RETAIL INC.  
 ORDERS: DUNKIN' BRANDS DESK  
 508-660-1886  
 REPRESENTATIVE:  
 KAREN MCCUE OR TOM ROONEY  
 KAREN.MCCUE@DSSRETAIL.COM  
 TOM.ROONEY@DSSRETAIL.COM  
 F: 508-331-2990  
 F: 508-331-5040  
 WWW.DSSRETAIL.COM

**RESTROOM ACCESSORIES**  
 NEXTON DISTRIBUTION COMPANY, INC.  
 966 MATERTOWN AVE  
 NEXTON MA 02468  
 ORDERS:  
 T: 877-837-1145  
 F: 617-961-4071  
 REP: LANCE LAFAYE OR SCOTT CASSIDY  
 T: 877-837-1145  
 WWW.NEXTONDISTRIBUTING.COM

**ELASTIC LAMINATES**  
 FORMICA  
 FOR LOCAL DISTRIBUTOR CALL  
 KAREN KENNEY: 866-378-8912  
 E: K.KENNEY@FORMICA.COM  
 REP: JEAN MARIE REMICK  
 C: (617) 217-8146  
 JEANMARIE.BISSON@FORMICA.COM  
 WWW.FORMICA.COM

**WILSONART**  
 FOR ORDERS CALL  
 800-433-3222 FOR A LOCAL DISTRIBUTOR  
 REPRESENTATIVE: AMY MORSEWECK  
 F: 417-451-6524  
 E: MORSEWA@WILSONART.COM

**CHEMICAL DISPENSING SYSTEMS**  
 F & S CLEANING & SANITATION PROGRAM  
 FROCTOR & GAMBLE  
 REPRESENTATIVE: CARLA EVANS  
 C: 918-483-4944  
 EGGINGNATI@F&S.COM

**WATER QUALITY REQUIREMENTS**  
 HEAVY DUTY WATER BOOSTER SYSTEM  
 MCCANN'S ENGINEERING & MFG CO  
 ORDERS: ELEANOR HINSON  
 F: 818-697-1214  
 F: 818-697-1222  
 ELEANOR.HINSON@MANITOC.COM

**SM**  
 WATER TEST KITS & REVERSE OSMOSIS SYS.  
 GIOVANNA CORREA  
 1-800-800-0657 PROMPT 2  
 DIRECT LINE: 1-888-218-2866 EXT 4527  
 FAX: 1-208-630-4548  
 ORDERS: KENS BEVERAGE, KIM JONES  
 T: 871-524-4420 OR T10-840-0019  
 F: T10-840-0026  
 KJONES@KENSEBEVERAGE.COM OR  
 DFRADCLIFFE@MMH.COM  
 TECH SUPPORT: 1-888-218-2866

**EVERPURE**  
 WATER TESTS: (FREE)  
 CALL: EVANGELA FRINGS 650-307-3044  
 TRIMBEVERPURE.COM OR WWW.EVERPURE.COM  
 'DUNKINWORKS'  
 ORDERS AND SERVICE INSTALLS:  
 EVERPURE MASTER DISTRIBUTORS (MD)  
 SEE WWW.EVERPURE.COM FOR LOCAL MD  
 REPRESENTATIVE  
 JASON RYKKE, REGIONAL SALES MANAGER  
 JRYKKE@PENTAIR.COM  
 FAX: 482-426-4142 OR

**BUNN-O-MATIC CORPORATION**  
 WENDY PEPER - ORDERS  
 T: (800) 646-2866 FAX: (800) 266-6394  
 E: WENDY.PEPER@BUNN.COM  
 TECHNICAL SUPPORT HOTLINE:  
 1-800-800-0657 PROMPT 9

**AWNING FABRICS AND VINYL**  
 SM GRAPHICS MARKET CENTER  
 REP: DEB GIAROLO  
 V: 800-744-6665  
 C: 860-248-8182  
 M: 860-752-4829  
 E: D.GIAROLO@SMGRAPHICS.COM  
 WWW.SMGRAPHICS.COM

**ARLON**  
 ELAINE HALL - CUSTOMER SERVICE  
 T: (800) 854-0961 EXT. 310  
 F: (800) 524-2756  
 EMAIL: EHALL@ARLON.COM  
 REPRESENTATIVE: KEVIN MCKINLEY  
 C: 843-412-1523  
 MCKINLEY@ARLON.COM  
 WWW.ARLON.COM

**BOLLARD COVERS**  
 IDEAL SHIELD  
 ORDERS: PETE MURPHY  
 T: 815-551-2288  
 F: 866-418-4248  
 PMURPHY@IDEALSHIELD.COM  
 REF: ORDERS: DENNIS KNITTEL  
 T: 815-551-2288  
 C: 815-550-1160  
 DKNITTEL@IDEALSHIELD.COM

**KITCHEN HOODS/EXHAUST SYSTEMS**  
 CAPTIVE-AIRE  
 DAVID CRITTENDEN  
 F: 813-495-3388 EXT-2  
 F: 813-334-4828  
 REP@CAPTIVEAIRE.COM  
 WWW.CAPTIVEAIRE.COM

**HORACIO'S WELDING & SHEETMETAL**  
 REPRESENTATIVE: MICHAEL TAVARES  
 F: 508-485-1440  
 F: 508-485-4465  
 EMAIL: MIKE@HORACIOS.COM  
 WWW.HORACIOS.COM

**DOOR HANDLES**  
 MICHAEL HEALY DESIGNS  
 MANVILLE, RI  
 F: 800-418-0488  
 OR 401-765-7600  
 F: 401-765-7612  
 EMAIL: HEALYDESIGNS@AOL.COM

**COMING SOON BANNERS**  
 GO TO: [WWW.LSMNOV.COM/](http://WWW.LSMNOV.COM/)  
 LSMNOV.COM HELPDESK: 1-888-457-6664

**EQUIPMENT SCHEDULE**

ITEM NO	QTY	DESCRIPTION	MANUFACTURER	MODEL NO	GENERAL REMARKS
CNTR	-	CUSTOM STAINLESS STEEL COUNTERS - SEE PLAN FOR DIMS	MILLWORK SUPPLIER	-	
50F	7	FOUR SECTION VERTICAL WIRE RACK CUP ORGANIZER	DISPENSE-RITE	NR-CT-4	
70.5B	2	BAKERY DISPLAY RACK (18 BASKETS)	VULCAN	1018T16-000164	
70.5C	1	BAKERY DISPLAY RACK (12 BASKETS)	VULCAN	1018021-000164	
70.6	2	REMOVABLE TISSUE BAG DISPENSER	VULCAN	1018T16E-P	
70.7	1	REMOVABLE TISSUE BAG AND BOX HOLDER	VULCAN	101417B	
96	1	ESPRESSO MACHINE	SCHAEFER	1550-FS-DD-40671	
96B	2	ESPRESSO SYRUP & LID RACK	WIREFAB	WF1363	
101C	3	DAIRY DISPENSER	AC DISPENSING	B20-FF-7	LOCATION TO BE DETERMINED BY OWNER
101C-1	0	DAIRY DISPENSER	TAYLOR	CO05	
101D	3	SURE SHOT SUGAR DISPENSER	AC DISPENSING	AC6E	
101E	2	FLAVOR DISPENSER	AC DISPENSING	AC-F510	
101E-1	0	FLAVOR DISPENSER	TAYLOR	CO006	
101G	2	20" SPEED RAIL FOR LIDS	MICROWIRE	AD-HLDR-2	
101H	2	18" SUGAR/TEA BAG/ STIRRER HOLDER	MICROWIRE	AD-SH-1	
101P-1	0	TWIN CARAFE COFFEE BREWER	CURTIS	ALP49T15A020	
101P-2	3	AXIOM TWIN CARAFE COFFEE BREWER	BUNN-O-MATIC	BB100.0030	
101P-3	2	AXIOM SINGLE CARAFE COFFEE BREWER	BUNN-O-MATIC	BB100.0031	
101Q-1	0	DUAL HOPPER COFFEE GRINDER	CURTIS	DHS-10-020	
101Q-2	3	MULTI HOPPER COFFEE GRINDER	BUNN-O-MATIC	BB600.0011	
107A	0	DELETED			
108A	1	HOT WINTER BEVERAGE MACHINE	BUNN-O-MATIC	DD HVB	
110	1	COOLATTA MACHINE	TAYLOR	342	
114	1	COOLATTA SYRUP RACK	WIREFAB	WF22426	LOCATION TO BE DETERMINED BY OWNER
120F-1	1	27 1/4" X 27 1/4" UNDERCOUNTER REFRIGERATOR W/ CASTERS	DELFIELD	406-CA-SPL-RHH	RIGHT HAND HINGE
120F-2	1	27 1/4" X 27 1/4" UNDERCOUNTER REFRIGERATOR W/ CASTERS	DELFIELD	406-CA-SPL-LHH	LEFT HAND HINGE
120F-3	0	27 1/4" X 30 1/2" UNDERCOUNTER REFRIGERATOR W/ CASTERS	VICTORY	UR-21-SST-AD	DOOR CAN BE RE-HINGED IN FIELD
200A	1	ICED COFFEE BREWER ICB-DD	BUNN-O-MATIC	24450.0003	
201A	2	ICE CADDY	CAMBRO	ICS100L	
201B	4	ICED COFFEE DISPENSER ICDD-3	BUNN-O-MATIC	BB100.0000	
210C-1	1	BAGEL TOASTER	HATCO	TG-800BA-DNK208	
210C-2	0	BAGEL TOASTER	BELLECO	JT2-B	
212	1	64" REFRIGERATED WORKTOP WITH 4 DRAWERS	DELFIELD	UCD4464N-12-DD4	
212A	1	TWO TIER MODULAR HOLDING CABINET	CARTER HOFFMAN	MC212-DD	
214	1	OVERSHELF, 64" L X 21 1/2" D	DELFIELD	000-BSP-021U	
215	2	TORNADO OVEN WITH STONE, PEEL AND 2 TRAYS	TURBOCHEF	NSC-1180-1-2019	
215A	1	STAINLESS STEEL CART 28" W X 30" L X 17" H	UNIVERSAL	DD-305LS-3017-C	
216	1	MULTI STAGING WARMER FOR HASH BROWNS	HATCO	GRM-3PD	
217	1	16" W X 30" D SANDWICH STATION TABLE	UNIVERSAL	DD-16SLC-30	
270.1	1	32" W X 18" D SELF SERVE CONDIMENT STATION	MILLWORK SUPPLIER	DWS #270.1	FRANCHISEE TO SPECIFY LAMINATE OR STONE TOP
395	2	HAND SINK W/ SIDE SPLASHES	UNIVERSAL	EHS-1RL-WH	
420A	4	24" X 60" SHELVING	METRO	2460BR	ORDER 5 SHELVES PER UNIT
420B	5	24" X 48" SHELVING	METRO	2448BR	ORDER 5 SHELVES PER UNIT
420C	0	DELETED			
424A	1	THREE COMPARTMENT SINK	UNIVERSAL	DD-SNB18142D185/ T5B-153-B/T5B-156	SEE PLUMBING DRAWINGS FOR ACCESSORIES
485A	1	90" SINK TRAX SHELVING WORKSTATION	ISS	WST1438E	
469A	0	DELETED			
480	1	WALK-IN COOLER/FREEZER BOX	NORLAKE		SEE WALK-IN BOX SCHEDULES
560B	1	STAINLESS STEEL FINISHING TABLE W/ 10" DEEP OVER SHELF	UNIVERSAL	DD-6SLCB36-0S2ES	
614	6	24" X 24" TABLE TOP	MILLWORK SUPPLIER	DWS #614	FRANCHISEE TO SPECIFY LAMINATE OR STONE TOP
615	2	24" X 39" TABLE TOP, ACCESSIBLE	MILLWORK SUPPLIER	DWS #615	FRANCHISEE TO SPECIFY LAMINATE OR STONE TOP
624	1	36" ROUND TABLE TOP	MILLWORK SUPPLIER	DWS #624	FRANCHISEE TO SPECIFY LAMINATE OR STONE TOP
655	1	SIT-DOWN HIGH COUNTERTOP	MILLWORK SUPPLIER	DWS #655	FRANCHISEE TO SPECIFY LAMINATE OR STONE TOP
667	1	WASTE RECEPTACLE	RUBBERMAID	AOT309FEC	
680	1	FREESTANDING QUEBING SYSTEM	LAVI INDUSTRIES	B3000	POST FINISH. WRINKLE BLACK BROWN 'AMERICA RUNS ON DUNKIN' BELT
641P	1	RETAIL MERCHANDISER	TBD	TBD	
780	3	EXTERIOR TABLE WITH SEATING	MAUSAU TILE	TFB188D3	
781	1	EXTERIOR TABLE WITH SEATING (ADA)	MAUSAU TILE	TFB184D3	
749	2	ORANGE UMBRELLA	WASSERSTROM	4810S2	
749	2	PINK UMBRELLA	WASSERSTROM	4810S0	
856	1	30" X 15" HANGING PICK UP OVAL	DSS RETAIL	TBD	
862	1	ALL IMAGE KIT	DSS RETAIL	DD-018	
930	12	FREE STANDING CHAIR	CARROLL CHAIR CO	2-17B-DD	
938	13	BARSTOOL	CARROLL CHAIR CO	3-17B-DD	

**AHARONIAN & ASSOCIATES INC. ARCHITECTS**  
 310 George Washington Highway  
 Suite 100  
 Smithfield, Rhode Island  
 02917  
 T 401-232-5010  
 F 401-232-5080  
 WWW.ARCH-ENG.COM

**DISCLAIMER**  
 OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

**REVISIONS**

NUMBER	REMARKS	DATE
1	OWNER REVISIONS	8/20/12
2	OWNER REVISIONS	11/2/12

**FOR CONSTRUCTION**

**DUNKIN' BRANDS**  
 [eatdrinkthink]  
 PC# 310289

448 MAIN STREET  
 WATERTOWN, MA  
 Middlesex County

**DRAWING TITLE**  
**EQUIPMENT SCHED & NATIONAL ACCTS**

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL	MH
DRAWING NUMBER	

**K1.2**

**GAS-FIRED FURNACE SCHEDULE**

SYMBOL	CFM AIR (TOTAL/OA)	TOTAL SP (INCHES)	FAN SPEED	ELECTRICAL DATA			COIL DATA (HEATING)			MODEL NUMBER	
				MOTOR HP	VOLTAGE	STARTER SIZE	BTUH (TOTAL)	ENT AIR	LV6 AIR		GAS IN/OUT
F-1	800/120	0.50"	HIGH	1/2 HP	120 V/1 PH	N/A	56,000	72 F	198.1 F	60 CFH	CARRIER MODEL 58MVC-060-F-100-14

**FURNACE NOTES**

FURNISH UNIT WITH VERTICAL AIR INTAKE/FLUE VENT KIT, PROGRAMMABLE NIGHT SETBACK ELECTRONIC HEAT/COOL THERMOSTAT, FILTERS WITH FILTER RACK (EXTERNAL BOTTOM TYPE), CONDENSATE PUMP, AND 90" LONG INTERNALLY-LINED RETURN PLENUM BOX

**DX COOLING COIL SCHEDULE**

SYMBOL	CFM AIR	COIL SP (INCHES)	COIL TYPE	COOLING DATA			MODEL NUMBER
				BTUH	ENT AIR (DB/WB)	LV6 AIR (DB/WB)	
C-1	800	0.21"	DX	29,200	75/62 F	60.9/59.2 F	CARRIER CAPMP 24 (R410A)

**CONDENSING UNIT SCHEDULE**

SYMBOL	ELECTRICAL DATA			COOLING DATA		UNIT PIPING DATA		MODEL NUMBER
	FAN MOTOR FLA	MC AMPS	VOLTAGE	BTUH (TOTAL)	AMBIENT AIR	LIQUID SIZE	SUCTION SIZE	
CDU-1	0.5	13.3	208 V/1P	29,200	45 F	1/2"	7/8"	CARRIER MODEL 24ANAT-24A00-80

**CDU NOTES**

- 1) COORDINATE LOCATION IN FIELD WITH OWNER AND FRANCHISEE

**REGISTER, GRILLE & DIFFUSER SCHEDULES**

SYMBOL	CFM AIR	NECK SIZE	TYPE & THROW	MODEL NUMBER
①	UP TO 125	6"	ADJUSTABLE DIFFUSER	METALAIR 5500-6
②	180	8"	ADJUSTABLE DIFFUSER	METALAIR 5500-6
③	800	22 X 22	RETURN/EXHAUST	METALAIR RH-1

**REGISTER, GRILLE & DIFFUSER NOTES**

- 1) PROVIDE ALL REGISTERS, GRILLES AND DIFFUSERS WITH OPPOSED BLADE VOLUME DAMPERS.
- 2) IN BOTH RECTANGULAR & RECTANGULAR TO ROUND TRANSITIONS, SLOPE IS NOT TO EXCEED 1" IN 4".
- 3) ALL DIFFUSERS SHALL BE 100% ALUMINUM CONSTRUCTION. FINISH SHALL BE WHITE.

**EXHAUST FAN SCHEDULE**

SYMBOL	CFM	SP (EXT)	ELECTRICAL DATA			MANUFACTURER	MODEL NUMBER	REMARKS
			HP	FAN RPM	VOLTAGE			
EF-1	T10	.75	.25	1918	120V/1P	CAPTIVEAIRE	DR30HFA	

**EXHAUST FAN SPECIFICATION**

- 1) ALUMINIZED BIRDSCREEN
- 2) SAFETY DISCONNECT SWITCH
- 3) AMCA SEAL # UL CERTIFIED
- 4) 12" HIGH PREFABRICATED ROOF CURB
- 5) SPEED CONTROL
- 6) REFER TO KITCHEN BALANCE SCHEDULE
- 7) ENSURE EXHAUST DISCHARGES MINIMUM 10 FEET FROM AIR INTAKES
- 8) COORDINATE WITH MANUFACTURER FOR FINAL SELECTION

**EXHAUST HOOD SPECIFICATION**

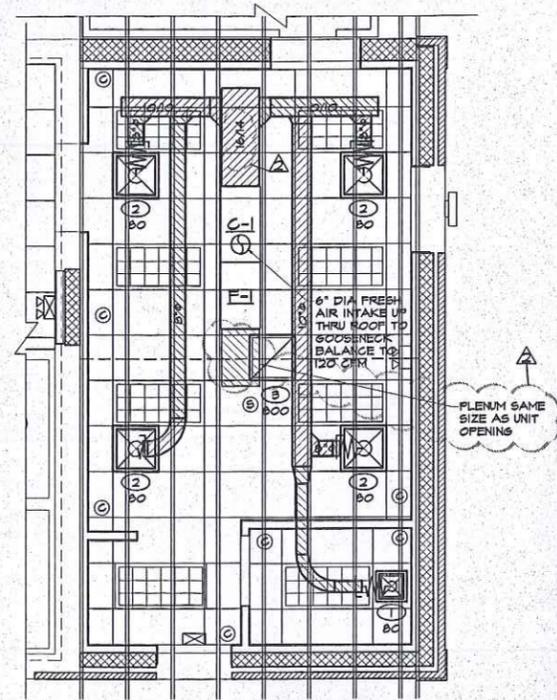
- 1) EXHAUST HOOD SHALL BE TYPE 2 CAPTIVE-AIRE MODEL, SINGLE WALL TYPE WITH NO BUILT-IN MAKE-UP AIR CAPABILITIES.
- 2) HOOD COMPONENTS SHALL BE FABRICATED OF TYPE 304 S/STEEL, POLISH #3 OR #4 ON ALL EXPOSED SURFACES.
- 3) HOOD SHALL BE PROVIDED WITH HANGING ANGLES ON EACH END OF THE HOOD.
- 4) NOMINAL HOOD DIMENSIONS SHALL BE AS SHOWN ON DRAWINGS.

**EXHAUST HOOD SCHEDULE**

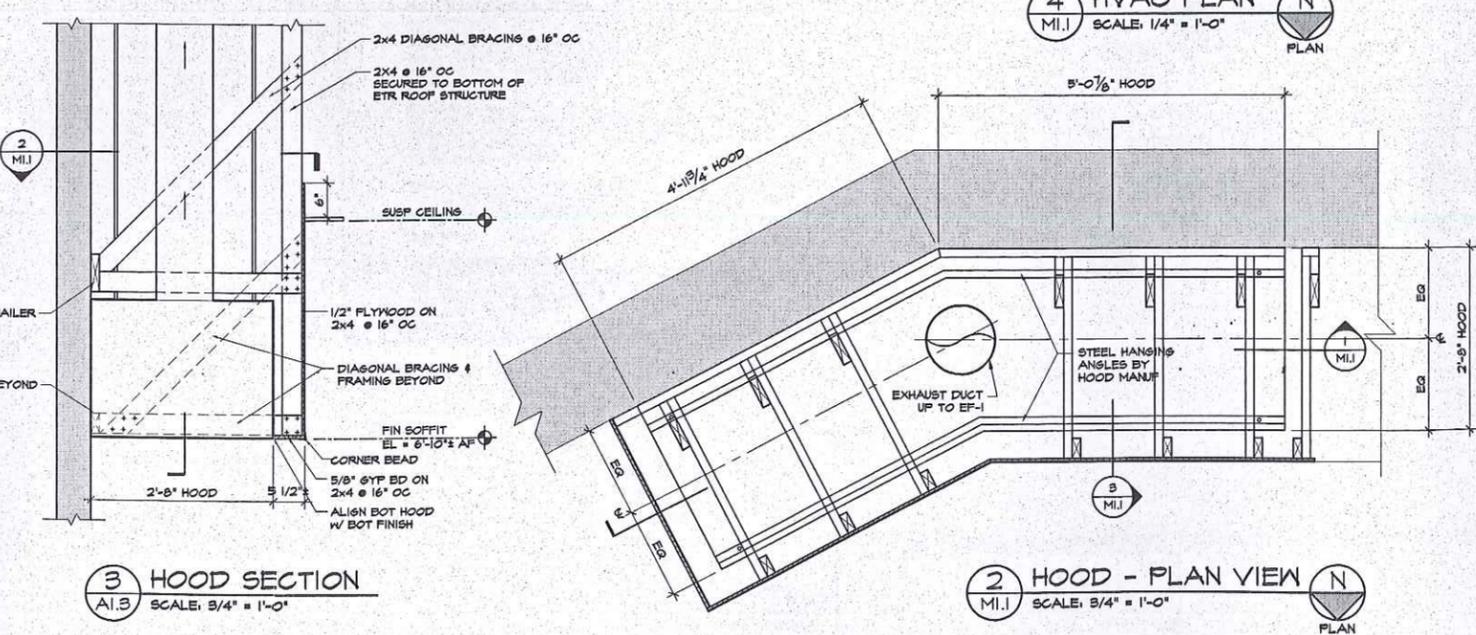
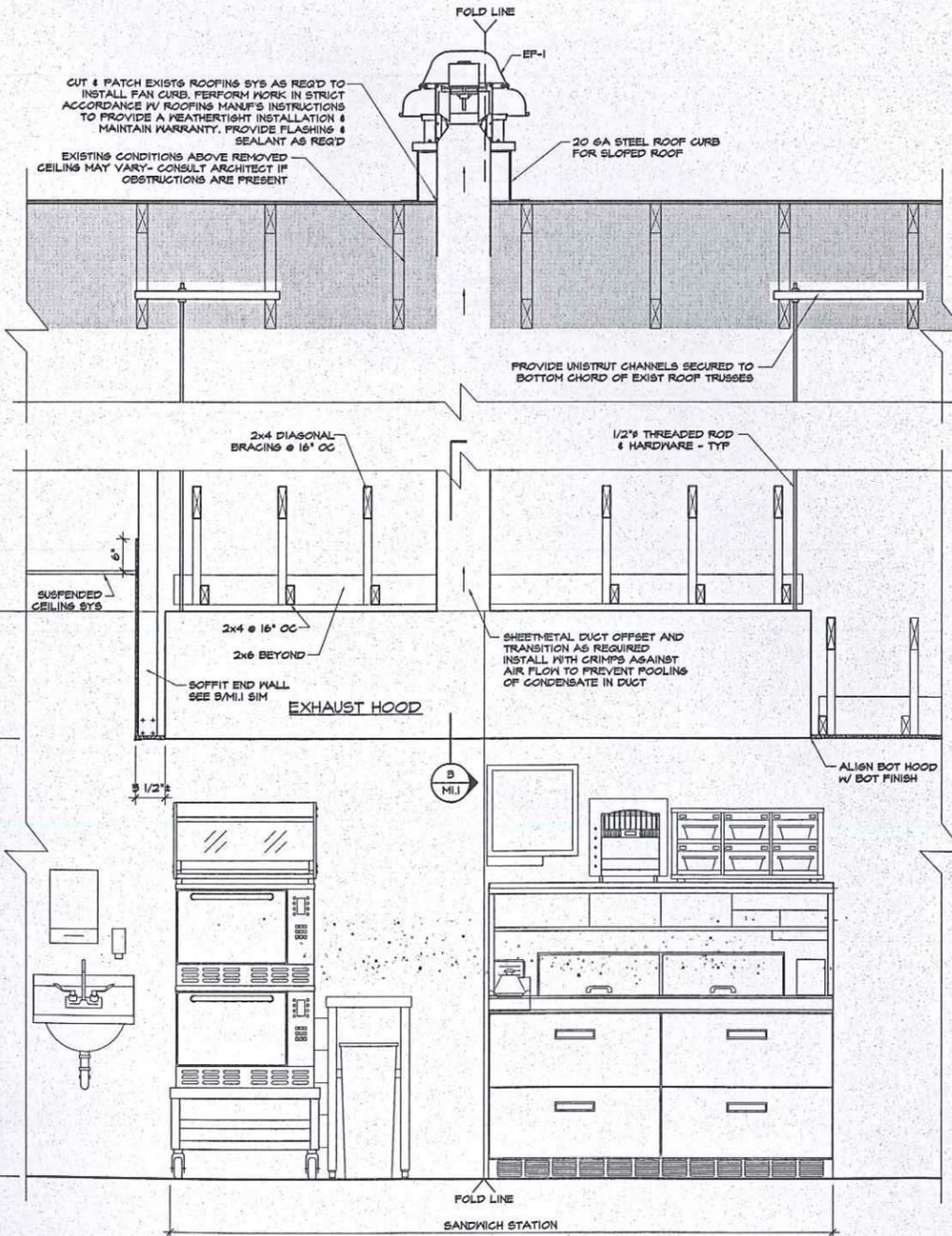
EXHAUST FAN	MODEL	LENGTH	MAX COOKING TEMP	EXHAUST FLENUM			HOOD CONSTRUCTION	FILTER(S)			FIRE SYSTEM PIPING	HOOD WEIGHT	
				TOTAL EXH CFM	DIAMETER Ø	RISER(S) CFM		TYPE	QTY	HEIGHT			LENGTH
EF-1	8624 VHB	1'-8"	700 DES	T10	12"	T10	0.064"	480 SS 100%	NONE			NONE	250 LBS

**GENERAL HOOD NOTES**

- 1) ALL ELECTRICAL FIELD CONNECTIONS AND RELATED INTERCONNECTIONS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
- 2) ALL MECHANICAL FIELD CONNECTIONS AND RELATED INTERCONNECTIONS SHALL BE PROVIDED AS REQUIRED BY MECHANICAL CONTRACTOR.
- 3) ALL ASSOCIATED HANGER MATERIALS SHALL BE PROVIDED BY INSTALLING CONTRACTORS.
- 4) HOOD MANUF SHALL PROVIDE FACTORY LOCATED AND WELDED HANGER BRACKETS.
- 5) ALL DUCT CONNECTIONS FROM CAPTIVE-AIRE HOOD SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
- 6) ALL REQD SEISMIC RESTRAINTS SHALL BE PROVIDED BY INSTALLING CONTRACTOR.
- 7) INSTALLING CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.
- 8) SIGNED AND APPROVED COPIES OF THIS DRAWING MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.
- 9) ALL FANS SHALL BE UL LISTED.
- 10) EXHAUST FAN SHALL BE INTERLOCKED W/ HVAC UNITS. A CURRENT SWITCH SHALL BE WIRED IN PARALLEL W/ THE EXHAUST FAN SWITCH & THE HVAC ENABLERS. THE HVAC UNITS & THE EXHAUST FANS SHALL OPERATE SIMULTANEOUSLY.



**④ HVAC PLAN**  
SCALE: 1/4" = 1'-0"  
PLAN



**③ HOOD SECTION**  
SCALE: 3/4" = 1'-0"

**② HOOD - PLAN VIEW**  
SCALE: 3/4" = 1'-0"  
PLAN



**AHARONIAN & ASSOCIATES INC. ARCHITECTS**

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7  
T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

REVISIONS	NUMBER	REMARKS	DATE
▲	1	OWNER REVISIONS	11/12/12

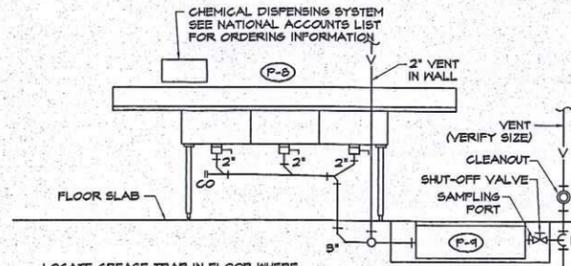
**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
[eatdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

DRAWING TITLE  
**EXHAUST HOOD  
DETAILS &  
HVAC PLAN**

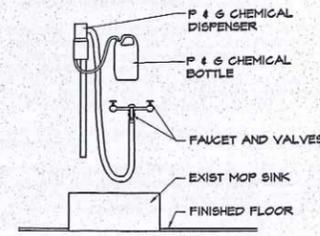
DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL/MH	MH
DRAWING NUMBER	



LOCATE GREASE TRAP IN FLOOR WHERE TOP CAN BE EASILY REMOVED FOR CLEANING BUT NOT WHERE PEOPLE STAND. ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS OR MEET LOCAL CODE REQUIREMENTS. HUBLESS CAST IRON PIPE, FITTINGS AND CONNECTORS ALL AROUND SINK AND TRAP. CONNECT GREASE TRAP FROM CENTER COMPARTMENT. PROVIDE P-TRAP IF GREASE TRAP IS MORE THAN 4' FROM SINK.

COORDINATE INDIVIDUAL BAY DRAINAGE, AIR GAP & DRAIN FUNNEL WITH LOCAL CODE REQUIREMENTS.

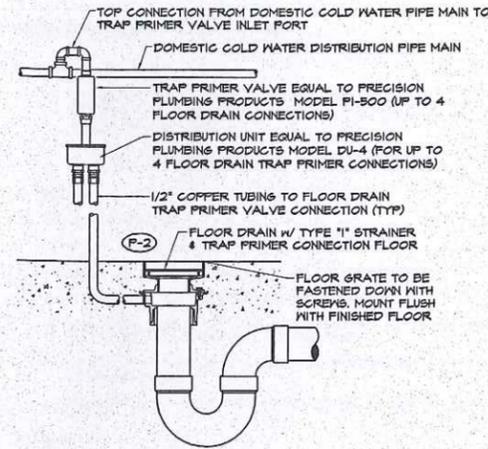
**3 BAY SINK & GREASE TRAP DETAIL**  
P.I.1 NOT TO SCALE



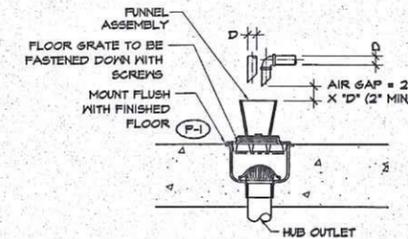
EACH CHEMICAL DISPENSER MUST HAVE A DEDICATED WATER SUPPLY, LOCATED WITHIN 4FT OF THE DISP. IT MUST PROVIDE TEMPERED WATER (ADJUSTABLE FROM 60-120F) WITH A FLOW RATE OF 4 GPM AT 40 PSI DYNAMIC/FLOWING PRESSURE (35 PSID MIN). THE HOT AND COLD WATER SUPPLY LINES MUST HAVE CHECK VALVES TO PREVENT HOT/COLD WATER CROSSOVER. IF THE TEMPERING VALVE DOES NOT INCLUDE THEM, IT MUST INCLUDE A SHUTOFF VALVE TERMINATING IN A 3/4\"/>

NOTE: THE DEDICATED WATER SUPPLY SHOULD NOT HAVE ANY BACKFLOW PREVENTION (E.G. NO ATMOSPHERIC VACUUM BREAKER, ETC), UNLESS REQUIRED BY THE LOCAL PLUMBING CODE OR UTILITY - EACH CHEMICAL DISPENSER INCLUDES AN INTEGRAL BACKFLOW PREVENTOR AS66 1053)

**4 CHEM SYS @ MOP SINK**  
P.I.1 NOT TO SCALE



**TRAP PRIMER VALVE PIPING & FLOOR DRAIN DETAIL**  
P.I.1 NOT TO SCALE



**FLOOR SINK DETAILS**  
P.I.1 NOT TO SCALE

**PLUMBING FIXTURE SPECIFICATIONS**

- (F-1) FLOOR SINK**  
JOSAM MANUFACTURING CO., SERIES No. 44000 WITH HALF GRATE, NICKALOT TOP AND SEDIMENT BUCKET (2'). SEE 2/P.I.
- (F-2) FLOOR DRAIN**  
JOSAM MANUFACTURING CO., SERIES No. 30000-A, ALL EXPOSED PARTS TO BE OF NICKEL BRONZE FINISH (2'). PROVIDE FUNNEL FOR INDIRECT DRAINAGE @ ICE MACHINE & MINI-RACK OVEN. SEE 3/P.I.
- BOOSTER PUMP**  
MCANN'S 16-2175-DD WATER BOOSTER W/ INTEGRAL PRESSURE GAUGE & BYPASS. VERIFY PUMP SPEC WITH NATIONAL ACCOUNTS. GC TO TEST WATER PRESSURE & INSTALL BEFORE WATER FILTER IF PRESSURE < 60 PSI.
- (F-3) WATER FILTRATION SYSTEM**  
GC TO TEST WATER USING DD NATIONAL ACCOUNTS. PROVIDE W/ SYSTEM BASED ON RECOMMENDATIONS.
- (F-4) HAND SINK**  
18 7/8\"/>

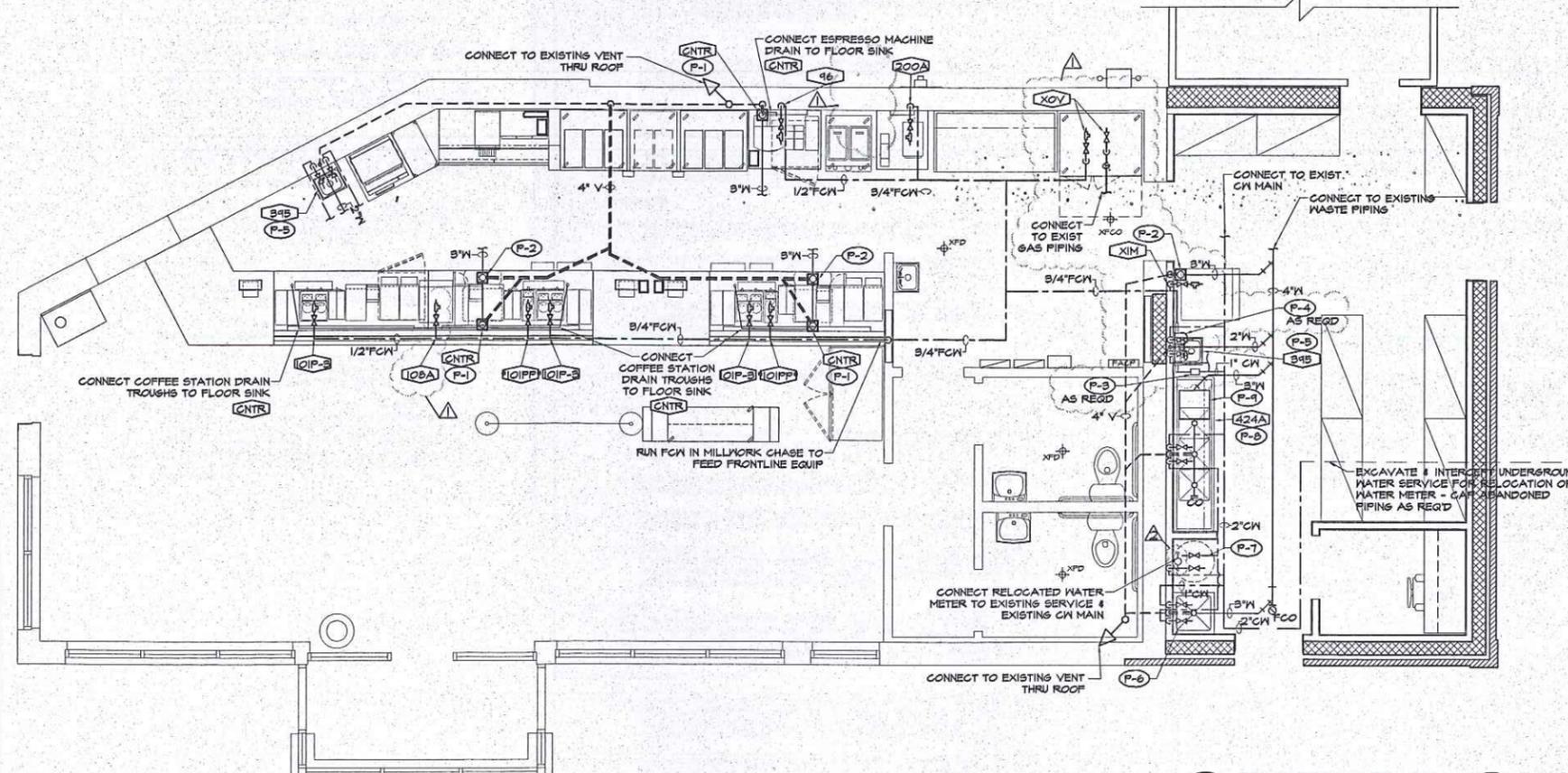
**PLUMBING SPECIFICATIONS**

- INTERIOR DOMESTIC WATER PIPING**
- 1) PIPE: COPPER TUBE, ASTM B88, TYPE K OR L, DRAIN. FOR PIPE 6 INCHES AND LARGER, STAINLESS STEEL ASTM A312, SCHEDULE 10 MAY BE USED.
  - 2) FITTINGS FOR COPPER TUBE:
    - A) WROUGHT COPPER OR BRONZE CASTINGS CONFORMING TO ANSI B16.18 AND B16.2
    - B) UNIONS SHALL BE BRONZE, FED SPEC WW-U-516. SOLDER OR BRAZE JOINTS.
    - C) ADAPTERS: PROVIDE ADAPTERS FOR JOINING SCREWED PIPE TO COPPER TUBING.
    - D) SOLDER: ASTM B32 COMPOSITION 85S HA OR HB. PROVIDE NONCORROSIVE FLUX.
- TRAPS**
- 1) PROVIDE ON ALL SANITARY BRANCH WASTE CONNECTIONS FROM FIXTURES OR EQUIPMENT NOT PROVIDED WITH TRAPS.
  - 2) EXPOSED BRASS SHALL BE POLISHED BRASS CHROMIUM PLATED WITH NIPPLE AND SET SCREW ESCUTCHEONS.
  - 3) CONCEALED TRAPS MAY BE ROUGHCAST BRASS OR SAME MATERIAL AS PIPE CONNECTED TO IT.
  - 4) SLIP JOINTS NOT PERMITTED ON SEWER SIDE OF TRAP.
  - 5) TRAPS SHALL CORRESPOND TO FITTINGS ON CAST IRON SOIL PIPE OR STEEL PIPE RESPECTIVELY, AND SIZE SHALL BE AS REQUIRED BY CONNECTED SERVICE OR FIXTURE.

KITCHEN EQUIPMENT PIPING SCHEDULE		WATER		WASTE		REMARKS
ITEM NO	FIXTURE	HW	CM	DIR	IND	
96	ESPRESSO MACHINE	3/8"	1"			PROVIDE WATER SHUT OFF VALVE W/ 3/8" COMPRESSION FITTING
CNTR	COFFEE STATION	1/2"	1 1/2"			1 1/2" WASTE AT DRAIN THROUGH, 1/2" CM AT SPRAYER, SEE MLNK DWGS
101P-S	TWIN COFFEE BREWER	1/4"				20-40 PSI. MACHINE SUPPLIED WITH A 1/4" MALE FLARE FITTING
101FP-S	SINGLE COFFEE BREWER	1/4"				20-40 PSI. MACHINE SUPPLIED WITH A 1/4" MALE FLARE FITTING
101A	DELETED					
108A	HOT WINTER BEV MACHINE	1/4"				20-40 PSI. MACHINE SUPPLIED WITH A 1/4" MALE FLARE FITTING
200A	ICED COFFEE BREWER	1/2"				20-40 PSI. MACHINE SUPPLIED WITH 1/4" OD MALE FLARE FITTING
395	F-5 HAND SINK	1/2"	1/2"	1 1/2"	1 1/2"	
	F-6 MOP SINK	3/4"	3/4"	3"	2"	EXISTING RELOCATED
	F-7 WATER HEATER	3/4"	3/4"			EXISTING RELOCATED
424A	F-8 3-BAY SINK	3/4"	3/4"	3"	2"	
	F-4 GREASE TRAP			3"	2"	
XIM	EXIST RELOCATED ICE MACHINE					ALL PIPING TO MATCH EXISTING
XOV	EXIST RELOCATED OVEN					ALL PIPING TO MATCH EXISTING

**REVISIONS**

NUMBER	REMARKS	DATE
△	OWNER REVISIONS	9/21/12
△	OWNER REVISIONS	11/12/12



**LEGEND**

C	ELBOW DOWN	CM	COLD WATER
O	ELBOW UP	FCM	FILTERED CM
M	BALL VALVE	HW	HOT WATER
⊖	BACK FLOW PREVENTER	XIFD	ETR INDIRECT FLOOR DRAIN
---	FCM PIPING	XFD	ETR FLOOR DRAIN
---	CM PIPING	XFCO	ETR FLOOR CLEAN OUT
---	HW PIPING	☐	REQUIRED WASTE IN FLOOR SLAB - CONTRACTOR TO VERIFY LOCATIONS OF EXIST DRAINS & USE EXISTING WHERE POSSIBLE
---	WASTE PIPING		
---	VENT PIPING		
---	UNDERSLAB VENT PIPING		
G	GAS PIPING		



**AHARONIAN & ASSOCIATES INC. ARCHITECTS**  
310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7  
T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**  
OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
[eatdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**DRAWING TITLE**  
**PLUMBING PLAN & DETAILS**

DATE	PROJ NO	
SEPT 11, 2012	1291	
DRAWN BY	CHECKED BY	
JL	MH	

**TELEPHONE & DATA RACEWAY NOTES**

- NO SECTION OF CONDUIT SHALL BE LONGER THAN 100 FEET BETWEEN FULL POINTS.
- NO SECTION OF CONDUIT SHALL CONTAIN MORE THAN TWO 90 DEGREE BENDS, OR EQUIVALENT, BETWEEN FULL POINTS (i.e., OUTLET BOXES, TELECOMMUNICATIONS CLOSETS, OR PULL BOXES). IF THERE IS A REVERSE (U-SHAPED) BEND IN THE SECTION, A FULL BOX SHALL BE INSTALLED.
- THE INSIDE RADIUS OF A BEND IN CONDUIT SHALL BE AT LEAST 6 TIMES THE INTERNAL DIAMETER. BENDS IN THE CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES THAT MAY HAVE A DETRIMENTAL EFFECT ON THE CABLE SHEATH DURING CABLE PULLING OPERATIONS.
- ANY SINGLE CONDUIT RUN EXTENDING FROM A TELECOMMUNICATIONS CLOSET SHALL NOT SERVE MORE THAN THREE OUTLET BOXES.
- CONDUITS PROTRUDING / PENETRATING THROUGH THE FLOOR IN THE TELECOMMUNICATIONS CLOSETS SHALL BE TERMINATED 3-INCHES ABOVE THE FLOOR ADJACENT TO WALLS. PROTRUSIONS / PENETRATIONS SHALL BE LOCATED TO AVOID CREATING A TRIPPING HAZARD WITHIN THE CLOSETS. FIRESTOP ALL PROTRUSIONS / PENETRATIONS.
- WHERE A TELECOMMUNICATIONS CONDUIT IS TO BE INSTALLED TO A DEVICE EXPOSED TO THE WEATHER, CARE SHALL BE TAKEN TO PREVENT THE INGRESS OF MOISTURE. CARE SHALL ALSO BE TAKEN TO ENSURE THAT MOISTURE WILL NOT COLLECT IN LOW POINTS. FREEZE AND DAMAGE THE CABLE. NONMETALLIC CONDUIT SHALL BE UV RESISTANT AND MARKED ACCORDINGLY.
- CONDUITS SHALL BE REAMED TO ELIMINATE SHARP EDGES. METALLIC CONDUIT SHALL BE TERMINATED WITH AN INSULATED BUSHING.
- REFER TO ANSI/TIA/EIA-606 FOR ADMINISTRATION OF THE CONDUIT SYSTEM IDENTIFICATION.
- ALL CONDUITS SHALL BE PROVIDED WITH FULL STRINGS.
- JUNCTION BOXES SHALL BE NO SMALLER THAN 2-INCHES WIDE, 3" HIGH AND 2.5" DEEP. THIS WILL ACCOMMODATE ONE OR TWO 3/4" CONDUITS. WHERE A LARGER CONDUIT IS REQUIRED, THE BOX SHALL BE INCREASED ACCORDINGLY. A MAXIMUM 1-1/4" CONDUIT WILL REQUIRE A 4-1/16" x 4-1/16" x 2-1/2" BOX.
- CONDUIT TYPES SHALL BE ELECTRICAL METALLIC TUBING (EMT) OR RIGID METAL CONDUIT. LOCATIONS SUBJECT TO MOISTURE SHALL BE RIGID PVC. FLEXIBLE CONDUIT SHALL NOT BE USED FOR TELE/DATA RACEWAYS.
- CONDUIT REQUIREMENTS FOR SUPPORT, END PROTECTION AND CONTINUITY SHALL COMPLY WITH APPROPRIATE ELECTRICAL CODES.
- CONDUIT AND BOXES FOR TELE/DATA WIRING SHALL BE DEDICATED TO THOSE SYSTEMS. POWER WIRING SHALL BE KEPT OUT OF CONDUIT AND BOXES DEDICATED TO TELE/DATA WIRING.
- CONDUIT SIZE FOR MAXIMUM NUMBER OF CABLES (SEE TABLE BELOW).

Conduit Trade Size	Maximum number of cables based upon allowable fill									
	Cable Outside Diameter in Inches									
	0.15	0.18	0.22	0.24	0.24	0.31	0.31	0.53	0.62	0.70
1/2"	1	1	0	0	0	0	0	0	0	0
3/4"	6	5	4	3	2	2	1	0	0	0
1"	8	8	7	6	5	5	2	1	0	0
1-1/4"	16	14	12	10	6	4	3	1	1	1
1-1/2"	20	18	16	15	7	6	4	2	1	1
2"	30	26	22	20	14	12	7	4	3	2
2-1/2"	48	40	36	30	17	14	12	6	5	3
3"	70	60	50	40	20	20	17	7	6	6
3-1/2"	-	-	-	-	-	-	22	12	7	6
4"	-	-	-	-	-	-	30	14	12	7

**POS - COMMUNICATIONS NOTES**

**GENERAL NOTES**

- FINAL ELECTRICAL DRAWINGS SHALL BE PROVIDED TO POS VENDOR THAT IS SELECTED BY FRANCHISEE.
- PROVIDE DEDICATED ISOLATED GROUNDED (DIG) OUTLETS ON A 20 AMP CIRCUIT TO POS EQUIPMENT. 60HZ, 120V/108. PROVIDE DUPLEX OUTLET FOR ALL POS TERMINALS, VIDEO DISPLAY UNITS & NETWORK SWITCH. PROVIDE QUADRIPOLE RECEPTACLE FOR THE BACK OFFICE CONTROLLER. THE POS SYSTEM SHALL MEET FEDERAL, STATE, AND LOCAL WIRING CODES. THE POS SYSTEM WARRANTY IS INVALID IF THE SYSTEM DOES NOT MEET CODE.
- ALL POS POWER WIRING SHALL BE 3-WIRE W/ ISOLATED GROUND AND SHALL BE TERMINATED WITHIN 4 FEET OF THE DEVICE.
- PROVIDE HUBBELL #5962 16 RECEPTACLES FOR ALL POS DEVICES. LABEL RECEPTACLES "POS ONLY".
- LOW VOLTAGE WIRE SHALL BE CATEGORY #5 CABLE RUN IN 1/2" RIGID CONDUIT WITH FULLSTRING FOR POS EQUIPMENT ONLY AND MUST BE TERMINATED WITH RJ-45 JACKS.
- A 12" MINIMUM SEPARATION MUST BE MAINTAINED BETWEEN LOW VOLTAGE WIRES AND POWER WIRING TO AVOID ELECTRICAL INTERFERENCE.
- ALL ELECTRICAL / DATA OUTLETS ARE SHOWN SCHEMATICALLY BASED ON EQUIPMENT REQUIREMENTS. VERIFY IN FIELD.
- ALL CONDUIT TO BE 1/2" UNLESS NOTED OTHERWISE OR REQUIRED BY QUANTITY OF CABLES.

**VDU NOTES**

COORDINATE VDU HEIGHT WITH EQUIPMENT AND SIGNAGE (SEE INTERIOR ELEVATIONS)

**TELEPHONE / DATA NOTES**

HIGH-SPEED INTERNET ACCESS IS REQUIRED. IT SHALL BE THE FRANCHISEE'S RESPONSIBILITY TO COORDINATE ANY UPGRADE OR INSTALLATION AS MAY BE REQ'D.

PROVIDE 3/4" CONDUIT AND FULL STRINGS FROM RECEPTACLES TO 6" ABOVE CEILING. VERIFY EXACT REQUIREMENTS WITH TELEPHONE EQUIPMENT SUPPLIER AND INSTALLER.

**POWER NOTES**

- OUTLETS ARE SHOWN FOR POSITIONING PURPOSES ONLY. COORDINATE ALL EQUIPMENT UTILITY INFORMATION SHOWN ON THIS DWG WITH THE DUNKIN' BRANDS EQUIPMENT SCHEDULE AND EQUIPMENT MANUFACTURER'S CUT SHEETS.
- ALL ELECTRICAL INFORMATION SHOWN ON THIS DWG THAT IS REQUIRED FOR EQUIPMENT ONLY. ALL CONVENIENCE POWER LOCATIONS SHALL BE COORDINATED WITH THE FRANCHISEE. TYPICAL LOCATIONS FOR ADDITIONAL OUTLETS: FRONT AND BACK LINE COUNTERS, OFFICE, ABOVE CEILING IN SALES AREA AND VESTIBULE, ROOF FOR HOLIDAY LIGHTING; PROVIDE IN ACCORDANCE WITH LOCAL CODES.
- ALL OUTLETS SHOWN SHALL BE MOUNTED @ 18" AF UNLESS NOTED OTHERWISE.
- VERIFY FINAL PLACEMENT OF RACEWAYS, OUTLETS AND DEVICES WITH ARCHITECT'S DWGS AND EQUIP SUPPLIER'S RECOMMENDATIONS PRIOR TO INSTALLATION. PROVIDE OUTLET BOXES, DEVICES, COVERPLATES AND FLANGES AS REQUIRED.
- CONVENIENCE OUTLETS: NEMA TYPE B-20R, SPECIFICATION GRADE (HUBBELL #5962) DUPLEX RECEPTACLES WITH COVER PLATES TO MATCH EXISTING. VERIFY COLOR WITH ARCHITECT. ACCEPTABLE MANUFACTURERS: HUBBELL, LEVITON, PASS & SEYMOUR.
- ISOLATED GROUND DEVICES (IG) AND GROUND FAULT INTERRUPT (GFI) DEVICES, 20 AMPS RATED W/ DEDICATED INSULATED GREEN GROUND WIRE. THE GROUND WIRE SHALL BE RUN CONTINUOUS AND UNSPLICED BETWEEN DEVICE AND PANEL GROUND BUS.
- COMBINATION POWER DEVICE, COOPER INDUSTRIES ARROWHART COMBINATION USB CHARGER W/ TAMPER RESISTANT RECEPTACLE (RTRT40); 2 POLE 3 WIRE 15 AMP 125V; 5V DC TOOMOUNT @ 98" ABOVE FLOOR.
- PROVIDE EX CONTROLS 24-HOUR, 7-DAY TIME CLOCK TO CONTROL SIGNS, LIGHTING, AND OTHER CYCLIC LOADS IDENTIFIED BY OWNER'S REPRESENTATIVE. PROVIDE CONTACTORS AS REQUIRED. VERIFY WIRING REQUIREMENTS W/ MANUF. VERIFY LOCATION W/ FRANCHISEE.
- INSTALLATION: PROVIDE DROPS FROM JUNCTION BOXES TO DEVICES AS INDICATED. ADDITIONAL JUNCTION BOXES MAY BE REQUIRED BEYOND THOSE SHOWN.
- EQUIPMENT EXPOSED TO WEATHER SHALL BE WEATHERPROOF.
- IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY CONSTRUCTION METHODS AND REQUIREMENTS OF THE OTHER CONSTRUCTION DOCUMENTS, AND INTENDED ROUTING OF WIRING TO THE VARIOUS ITEMS OF EQUIPMENT IN THE VARIOUS LOCATIONS IN ORDER TO DETERMINE WIRING METHOD (UNDERGROUND OR OVERHEAD). ALL WIRING SHALL BE CONCEALED IN ALL AREAS. NO WIRING SHALL BE EXPOSED IN ANY PORTIONS OF THE BUILDING, SEE SPECIFICATIONS.
- EC SHALL VERIFY CONSTRUCTION OF ALL EQUIPMENT AND CABINETS AND VERIFY EXACT LOCATIONS AND METHODS OF CONNECTIONS AND PROVIDE ALL NECESSARY ACCESSORIES, EQUIPMENT, DEVICES AND WIRING METHODS IN ORDER TO CONNECT THE EQUIPMENT.
- WHERE WIRING IS REQUIRED TO BE UNDER THE SLAB SCHEDULE 40 PVC SHALL BE USED WITH THE WIRE SIZES CALLED FOR IN THE NOTES.
- WHERE OVERHEAD THE WIRING METHOD MAY BE TYPE M/C CABLE OR EMT AND WIRE.
- ALL SITE WIRING SHALL BE IN SCHEDULE 40 PVC.
- COORDINATE ALL STUB UPS OF CONDUITS WITH THE GENERAL CONTRACTOR AND VARIOUS VENDORS OF THE EQUIPMENT.
- VERIFY ALL INFORMATION PRIOR TO START OF CONSTRUCTION SO THAT ALL UNDERGROUND WIRING WILL BE ABLE TO BE ROUSHED-IN TO COMPLY WITH CONSTRUCTION SCHEDULES.
- ALL RECEPTACLES AND EQUIPMENT CONNECTIONS SHALL BE CONCEALED FROM VISUAL SIGHT BUT SHALL BE ACCESSIBLE IN ORDER TO BE USED AS EQUIPMENT DISCONNECTS. VERIFY EXACT LOCATIONS ON SITE WITH EQUIPMENT BEING INSTALLED AND OTHER DRAWINGS AND DETAILS.
- IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL WIRING REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE INSTALLED AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- ALL WIRING DEVICES SHALL BE FLUSH MOUNT TYPE. WHERE REQUIRED TO BE SURFACE MOUNTED WITHIN CABINET WORK PROVIDE OLD WORK OUTLET BOXES. WHERE FLUSH MOUNTING IS AVAILABLE PROVIDE FLUSH MOUNT BOXES.
- ALL WIRING DEVICE PLATES FOR EQUIPMENT SHALL BE TYPE 302 (NON MAGNETIC HIGH NICKEL CONTENT) STAINLESS STEEL.
- ALL ELECTRICAL FIELD CONNECTIONS AND RELATED INTERCONNECTIONS TO THE EXHAUST HOOD & FANS SHALL BE PROVIDED AS REQUIRED BY ELECTRICAL CONTRACTOR.
- ALL RECEPTACLES LOCATED IN THE KITCHEN AREAS RATED 125 VOLT, SINGLE-PHASE, 15 AND 20 AMPERES SHALL HAVE GROUND-FULT CIRCUIT INTERRUPTER PROTECTION PER NEC, ARTICLE 210.8(B). WHERE A SPECIFIC RECEPTACLE IS NOT AVAILABLE WITH GFCI PROTECTION THEN A GFCI CIRCUIT BREAKER SHALL BE USED ON THE CIRCUIT SERVING THAT RECEPTACLE.

**GENERAL ELECTRICAL NOTES**

- COMPLETE SYSTEMS:
  - PROVIDE LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION TO RECEIVE, INSTALL, ADJUST AND PUT INTO OPERATION COMPLETE ELECTRICAL SYSTEMS IN ACCORDANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS.
  - PROVIDE PRODUCTS NOT MENTIONED BUT OBVIOUSLY NECESSARY AND INCIDENTAL TO THE COMPLETION OF THIS WORK.
- UTILITIES:
  - COORDINATE WITH ALL UTILITY SERVICES.
  - NOTIFY UTILITIES OF COMMENCEMENT OF WORK.
  - MAKE ALL ARRANGEMENTS FOR TEMPORARY SERVICES.
  - POWER CONSUMED SHALL BE PAID FOR BY THE OWNER.
  - PROVIDE ALL WORK AND MATERIALS NECESSARY TO COMPLY WITH ALL UTILITY REGULATIONS AND REQUIREMENTS.
  - COORDINATE INTERRUPTING CAPACITY OF ELECTRIC PANELS AND ALL BREAKERS W/ UTILITY CO.
  - PROVIDE TYPE WRITTEN DIRECTORIES FOR ALL PANELS PER CIRCUIT USAGE.
- PERMITS:
  - OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK.
  - PAY ALL ASSOCIATED FEES FOR PERMITS AND OTHER MUNICIPAL AND GOVERNING REQUIREMENTS.
- EXPERIENCE:
 

ALL WORK DONE SHALL BE PERFORMED BY QUALIFIED ELECTRICIANS, UNDER THE SUPERVISION AND DIRECTION OF A SUPERINTENDENT HAVING SUCCESSFUL EXPERIENCE INSTALLING AND SUPERVISING EQUIPMENT AND SYSTEMS OF SIMILAR TYPE AND SIZE AS INDICATED BY CONTRACT DOCUMENTS.
- REGULATIONS:
 

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT RULES, REGULATIONS AND INDUSTRY STANDARDS OF THE NATIONAL ELECTRICAL CODE, UL, IFCOA, NEMA, NFPA, OSHA, NATIONAL ELECTRICAL SAFETY CODE, ADA, AND ANY LOCAL CODES, LAWS, OR ORDINANCES. IN THE EVENT THAT A DISCREPANCY IS FOUND IN THE CONTRACT DOCUMENTS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- COSTS AND CONDITIONS:
  - EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS IN THEIR ENTIRETY.
  - SURVEY THE PROJECT AND BECOME FAMILIAR WITH EXISTING CONDITIONS AND SCOPE OF WORK.
  - ALL COSTS SUBMITTED SHALL BE BASED ON A THOROUGH KNOWLEDGE OF ALL WORK AND MATERIALS REQUIRED.
  - ANY ADDITIONAL COSTS DUE TO FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- SPECIFICATIONS:
  - BECOME FAMILIAR WITH ALL SPECIFICATIONS, DESIGN CRITERIA, AND EQUIPMENT REQUIREMENTS PRIOR TO ANY EQUIPMENT PURCHASE OR INSTALLATION.
  - REFERENCE SPECIFICATIONS FOR DEVICES, MATERIALS AND WORKMANSHIP REQUIREMENTS. ADDITIONAL REQUIREMENTS ARE GIVEN IN THESE NOTES AND THE DRAWINGS.
  - THERE SHALL BE NO DEVIATION FROM SPECIFICATIONS WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
- COORDINATION:
  - COORDINATE WORK WITH ALL OTHER TRADES. GIVE SPECIAL CONSIDERATION TO COORDINATING INSTALLATION OF LIGHTING, SPRINKLER PIPING AND DUCTWORK.
  - COORDINATE WALL OUTLET LOCATIONS WITH MILLWORK.
  - COORDINATE WALL SWITCHES WITH DOOR SWINGS.
  - VERIFY EXACT LOCATION, COLOR AND FINISH OF OUTLETS AND DEVICES WITH INTERIOR DESIGNER, ARCHITECT OR DESIGNATED TENANT REPRESENTATIVE PRIOR TO INSTALLATION.
- PRODUCTS:
  - ALL PRODUCTS SHALL BE NEW SPECIFICATION GRADE. PRODUCTS OF A SIMILAR NATURE SHALL BE OF THE SAME TYPE AND MANUFACTURER.
  - PROVIDE THE STANDARD PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SPECIFIED PRODUCTS, UNLESS OTHERWISE REQUIRED BY DRAWINGS.
  - ALL PRODUCTS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH NATIONALLY RECOGNIZED AND ACCEPTED STANDARDS AND PROCEDURES.
- COMPATIBILITY:
 

ALL NEW ELECTRICAL DISTRIBUTION EQUIPMENT SHALL MATCH AND BE COMPATIBLE WITH EXISTING EQUIPMENT, BY MANUFACTURER, TYPE, APPLICATION AND SHORT CIRCUIT RATINGS.
- IDENTIFICATION:
  - ALL ELECTRICAL DISTRIBUTION EQUIPMENT, TRANSFORMERS, PANEL BOARDS AND OTHER ENCLOSED EQUIPMENT SHALL BE IDENTIFIED AS INDICATED IN THE CONTRACT DOCUMENTS.
  - SAID IDENTIFICATION SHALL CONSIST OF PERMANENTLY ATTACHED ENGRAVED LAMINATED PLASTIC NAMEPLATES.
  - EACH BRANCH CIRCUIT OVERCURRENT PROTECTION DEVICE SHALL BE IDENTIFIED BY CIRCUIT NUMBER AND SCHEDULED INSIDE PANEL DOOR.
  - EACH BRANCH CIRCUIT SPlice OR TERMINATION SHALL BE IDENTIFIED BY PANEL AND CIRCUIT DESIGNATION SHOWN ON THE JUNCTION OR OUTLET BOX, OR UPON INDIVIDUAL WIRES IN CASES WHERE MORE THAN ONE OF EACH PHASE CONDUCTOR OCCUR.
- WIRING:
 

ALL CONDUCTORS CARRYING GREATER THAN 50 VOLTS SHALL BE MINIMUM #12 AWG, SOLID, CU, SOFT DRAWN OF 98% CONDUCTIVITY, UNLESS NOTED OTHERWISE. LIGHTING, MINIMUM OF #12 THIN GAUGE FOR 20 AMPERE CIRCUITS. ALL EXPOSED WIRING SHALL BE RUN IN WIREMOLD.
- INSULATION:
  - ALL WIRE SHALL BE THIN/THIN 600 VOLT INSULATION AND SHALL BE PROVIDED FROM THE PANEL BOARD CIRCUIT BREAKER TO THE EQUIPMENT CONNECTIONS. COORDINATE INSULATION TYPES WITH CONDITIONS, NEC REQUIREMENTS, AND CONDUIT FILL REQUIREMENTS.
  - ALL WIRING SIZES ARE BASED ON 60 C OR 75 C INSULATION, ACCORDING TO CURRENT RATINGS, REGARDLESS OF ACTUAL INSULATION USED.

- HOME RUNS:
 

PROVIDE MINIMUM # 10 AWG WIRING ON ALL HOME RUNS GREATER THAN 100 FEET.
- NEUTRALS:
  - SIZE ALL NEUTRALS FULL UNLESS SPECIFICALLY REDUCED ON PLANS.
  - ALL WIRING INSTALLED UNDER THIS CONTRACT, PRIOR TO TURNING OVER THE WORK AS A COMPLETE UNIT, SHALL BE TESTED FOR PROPER CONNECTIONS, SHORT CIRCUITS AND GROUNDS.
- GROUNDS:
  - ALL CIRCUITS SHALL BE RUN WITH A #12 AWG INSULATED GREEN COPPER GROUND WIRE, UNLESS OTHERWISE NOTED.
  - USE OF CONDUIT AS A GROUND IS UNACCEPTABLE.
  - AT TRANSFORMERS: PROVIDE GROUNDS ELECTRODE CONDUCTORS FROM ALL SEPARATELY DERIVED SYSTEMS.
  - GROUND TO BUILDING STEEL, EARTH OR METALLIC COLD WATER PIPE, PER NEC 250-26, 250-50, AND 250-80.
- CONDUIT:
  - FLEXIBLE METAL CONDUIT, ENT, ALUMINUM CONDUIT, NM, NMC AND 5NM ARE NOT ACCEPTABLE.
  - CONDUIT OVER 2" IN DIAMETER OR EXPOSED TO WEATHER OR EXPOSED TO POTENTIAL DAMAGE SHALL BE GALVANIZED RIGID STEEL TYPE.
  - CONDUIT ROUTING SHOWN IS SYMBOLIC AND DIAGRAMMATIC. INSTALL CONDUIT TO FIT ACTUAL FIELD CONDITIONS.
- CONDUIT FITTINGS:
 

ALL FITTINGS SHALL BE COMPRESSION OR THREADED TYPE. USE OF SET SCREW FITTINGS IS NOT ACCEPTABLE.
- CIRCUIT BREAKERS:
  - ALL BRANCH CIRCUIT OVERCURRENT PROTECTION DEVICES SHALL BE 20 AMPERE INVERSE TIME TYPE CIRCUIT BREAKERS UNLESS NOTED OTHERWISE.
  - 120/240 VOLT CIRCUIT BREAKERS SHALL BE RATED AT 10,000 AIC MINIMUM.
  - ALL 277/480 VOLT CIRCUIT BREAKERS SHALL BE RATED AT 14,000 AIC MINIMUM, UNLESS NOTED OTHERWISE (REFERENCE ELECTRICAL ONE LINE AND RISER DIAGRAMS).
  - MULTI-POLE BREAKERS SHALL BE INTEGRAL UNITS. USE OF HANDLE TIES IS NOT ACCEPTABLE.
- BRACINGS:
 

PROVIDE LATERAL BRACINGS FOR CONDUIT, BUSWAYS, GENERATORS, TRANSFORMERS AND OTHER FLOOR MOUNTED ELECTRICAL EQUIPMENT BUS DUCT, SWITCHBOARDS AS REQUIRED BY LOCAL CODE.
- FUSES:
 

ALL FUSES 600 AMPERES OR LESS SHALL BE UL LISTED, CLASS RK1 OR J, LOW-PEAK DUAL ELEMENT, TIME DELAY, 600 VOLT, ACCEPTABLE MANUFACTURERS: BUSSMAN, GOLD SHAWMUT.
- PENETRATIONS:
 

COORDINATE FLOOR PENETRATIONS WITH STRUCTURAL ENGINEER. ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES AND PARTITIONS SHALL BE FIRE PROOFED TO THE SAME OR GREATER RATING THAN THAT OF THE SLAB OR PARTITION. WHERE CONFLICTS OCCUR, NOTIFY ARCHITECT OR INTERIOR DESIGNER.
- ALTERNATES & SUBSTITUTIONS:
  - SUBMIT TO ARCHITECT FOR APPROVAL.
  - THE CONTRACTOR SHALL BEAR THE BURDEN OF SHOWING PROOF THAT ALTERNATES REQUESTED FOR SUBSTITUTION PERFORM IN AN EQUAL OR SUPERIOR MANNER TO THE SPECIFIED ITEM.
  - INFORMATION SUBMITTED FOR ARCHITECT'S CONSIDERATION SHOULD INCLUDE PERFORMANCE CHARACTERISTICS, ILLUSTRATION OF FIELD APPLICATION, AND COMPARISON OF THE SPECIFIED ITEM TO THE INTENDED ALTERNATE. "ALTERNATE" REFERS TO LUMINAIRE FIXTURE, DEVICE, EQUIPMENT ITEM, OR MANUFACTURER OTHER THAN THAT SPECIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
- SHOP DRAWINGS & SUBMITTALS:
  - SUBMIT MANUFACTURERS' STANDARD PRODUCT INFORMATION, PERFORMANCE SPECIFICATIONS, PHYSICAL DIMENSIONS, AND OTHER INFORMATION NECESSARY FOR ENGINEER TO INSURE COMPLIANCE WITH SPECIFICATIONS.
  - SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO ORDERING AND INSTALLING ANY EQUIPMENT.
- PROJECT RECORD DOCUMENTS:
  - UPON COMPLETION OF WORK, PREPARE LIGHTING AND POWER PROJECT RECORD DOCUMENTS ("AS-BUILTS") ON A SUITABLY REPRODUCIBLE MEDIUM (MYLAR OR VELLUM).
  - PRESENT THREE COMPLETED DRAWING SETS TO ARCHITECT. ARCHITECT TO REVIEW AND PROVIDE OWNER WITH COPY. "AS-BUILT" DRAWINGS SHALL INCLUDE ALL BRANCH CIRCUIT WORK, ANY PANEL BOARD INFORMATION AVAILABLE, FINAL SWITCHINGS, ETC.
- INSPECTION:
 

CONTRACTOR SHALL OBTAIN AND PAY FOR BOTH ROUGH AND FINAL UNDERWRITERS OR OTHER APPROVED INSPECTION AGENCY CERTIFICATE OF "ELECTRICAL INSPECTION". THESE CERTIFICATES SHALL BE PRESENTED WITH REQUEST FOR FINAL PAYMENT.
- CLEANING:
 

DURING CONSTRUCTION, CONTRACTOR SHALL REMOVE ALL DEBRIS AND STORE AT LOCATION AS DIRECTED BY OWNER. NO ITEMS SHALL BE LEFT AS TO CAUSE A HAZARD DURING WORKING HOURS. COORDINATE WITH OWNER AREAS THAT WORK CAN BE DONE IN.
- WARRANTY:
 

WARRANT ALL MATERIALS, EQUIPMENT AND INSTALLATION FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER.
- SEE M.I. FOR ADDITIONAL RESPONSIBILITIES OF ELECTRICAL CONTRACTOR IN RELATION TO MECHANICAL SYSTEMS.
- SEE A1.9 FOR LIGHTING SPECIFICATIONS & LAYOUT.



**AHARONIAN & ASSOCIATES INC.**  
ARCHITECTS

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7  
T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

**REVISIONS**

NUMBER	REMARKS	DATE

**FOR CONSTRUCTION**

**PROJECT TITLE**



448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**DRAWING TITLE**

**GENERAL ELECTRICAL NOTES**

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL	MH
DRAWING NUMBER	

**POWER & POS LEGEND**

- POS POINT OF SALES TERMINAL
- VDU VIDEO DISPLAY UNIT
- CC SEARAGENT CREDIT
- M MODEM
- R ROUTER
- SC SITE CONTROL (SELF-MOUNTING) RADIANT ONLY
- RP RECEIPT PRINTER
- FP PREP PRINTER
- BOH PC BACK-OFF-HOUSE PC
- UPS UPS
- IP IP CONVERTER
- SW SWITCH
- OT ORDER TAKER TERMINAL
- ⚡ SINGLE POLE SWITCH
- ⊕ NEMA RECEPTACLE WITH GFCI (GROUND FAULT CIRCUIT INTERRUPTER)
- ⊕ GFCI
- ⊕ ISOLATED GROUND RECEPTACLE
- ⊕ COMBO POWER RECEPTACLE
- ⊕ JUNCTION BOX
- ⚡ TELEPHONE OUTLET, RJ45, BOX
- ⚡ DATA OUTLET, RJ45
- ⊕ VIDEO DISPLAY UNIT
- ⊕ PRINTER
- ⊕ POINT OF SALE TERMINAL
- ⊕ POS EQUIPMENT TAG
- ⚡ J-BOX @ CEILING PROVIDE CONDUIT DOWN TO POS J-BOX @ 42" AF UNO
- ⚡ US CONDUIT

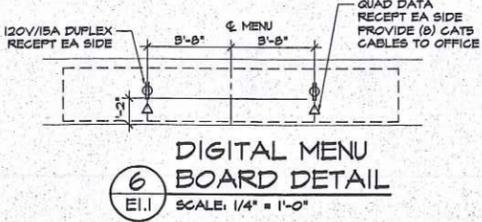
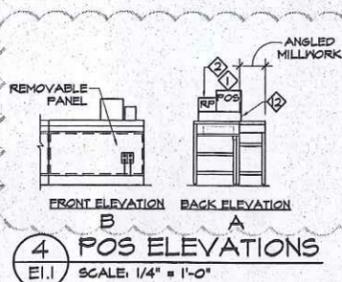
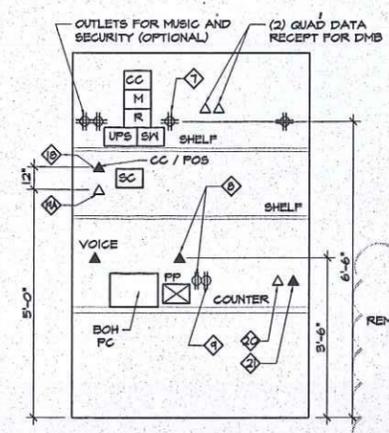
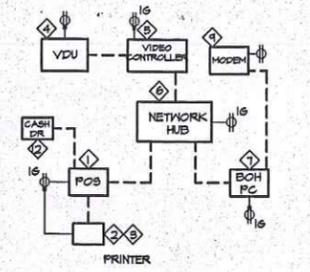
**POS POWER SCHEDULE POS EQUIP & WIRING BY OTHERS**

QTY	DESCRIPTION	LOCATION	VOLTS	LOAD AMPS	CB	TRANS FORMER	LOVO TERM	MTS HST	REMARKS
1	POINT OF SALES TERMINAL (POS)	(B) FRONT COUNTERS	100-120V	2.0	20A/1P	NO	RJ45		SHARES CIRCUIT WITH POS ITEMS 2 & 12
2	RECEIPT PRINTER	(B) FRONT COUNTERS	100-240V	2.0	20A/1P	YES	RJ45		SHARE CIRCUIT WITH POS ITEMS 1 & 12
3	PREP PRINTER	(1) ESPRESSO (1) SANDWICH	24/84V	1.2	20A/1P	YES	RJ45		
4	VDU	(1) SANDWICH STATION	100-240V	1.5	20A/1P	NO	N/A		MTD @ 38"AF @ SANDWICH STATION MTD @ 46"AF @ ESPRESSO
5	VDU CONTROLLER (PC BASED)	(1) SANDWICH STATION	100-120V	1.0	20A/1P	YES	RJ45		SHARES CIRCUIT MTD @ 18"AF
6	POS NETWORK HUB/ SWITCH	POS COUNTER FRONT CHASE	100-120V	0.5	20A/1P	YES	RJ45		SHARES CIRCUIT WITH POS ITEMS 1, 2 & 12
7	PC SITE CONTROLLER	OFFICE	100-120V	4.0	20A/1P	NO	RJ45		
8	PRINTER (BACK-OFF-HOUSE)	OFFICE	100-120V	0.2	20A/1P	NO	N/A		
9	MODEM (EXTERNAL)	OFFICE	120V	2	20A/1P	YES	N/A		
12	CASH DRAWER	(B) FRONT COUNTERS	N/A	N/A		NO	RJ45		SHARES CIRCUIT WITH POS ITEMS 1 & 2
18	DIAL BACKUP MODEM FOR POS	OFFICE	LOW VOLT	N/A		N/A	RJ45		
19A	DATA/MODEM	OFFICE	LOW VOLT	N/A		N/A	RJ45		
20	FAX LINE	OFFICE	LOW VOLT	N/A		N/A	RJ45		
21	PHONE LINE	OFFICE	LOW VOLT	N/A		N/A	RJ45		

**POWER SCHEDULE**

ITEM	DESCRIPTION	VOLTS	LOAD AMPS	CB	PHASE/WIRES	CORD PLUG	RECEPTACLE	MTS HST	REMARKS
105B	BAKERY DISPLAY RACK	120V	1.42	15A/1P	1Ø 2W+G	YES	5-15R		VERIFY ELEC REGTS W/ MANUF
105C	BAKERY DISPLAY RACK	120V	1.42	15A/1P	1Ø 2W+G	YES	5-15R		VERIFY ELEC REGTS W/ MANUF
96	ESPRESSO MACHINE	208V	25.0	30A/2P	1Ø 2W+G	YES	L6-30R	46"AF	UNIT HAS CORD & PLUG ATTACHED - PROVIDE 30A 250V RECEPTACLE - VERIFY WITH MANUF
101C-1	DAIRY DISPENSER	120V	2.2	15A/1P	1Ø 2W+G	YES	5-15R	38"	38" @ FRONT COUNTER
101D	SUGAR DISPENSER	120V	2.0	15A/1P	1Ø 2W+G	YES	5-15R	38"	38" @ FRONT COUNTER ALT VOLTAGE MODEL AVAILABLE (NEMA 5-15R)
101E-1	FLAVOR DISPENSER	120V	1.0	15A/1P	1Ø 2W+G	YES	5-15R	38"	38" @ FRONT COUNTER
101FP-3	SINGLE COFFEE BREWER	120V	16.7	20A/1P	1Ø 2W+G	YES	L14-20R	38"	38" @ FRONT COUNTER
101P-3	TWIN COFFEE BREWER	120/208	30.4	40A	1Ø 3W+G	YES	14-50R	38"	38" @ FRONT COUNTER
101Q-3	COFFEE GRINDER	120V	11.0	15A/1P	1Ø 2W+G	YES	5-15R	38"	38" @ FRONT COUNTER
107A	DELETED								
108A	HOT WINTER BEVERAGE DISP	120/240	21.7	30A/1P	1Ø 3W+G	YES	6-30R	18"AF	
110	COOLANT MACHINE	208/230	14.0	25A/2P	1Ø 3W+G	YES	L6-20R		
120F	UNDERCOUNTER REFRIGERATOR	115V	7.0	15A/1P	1Ø 2W+G	YES	5-15R		
200A	ICED COFFEE BREWER	120/208	14.3	20A/1P	1Ø 2W+G	YES	L14-20R	46"AF	
210C-1	BASEL TOASTER	208V	15.8	20A/2P	1Ø 2W+G	YES	L6-20R	38"AF	
212	REFRIGERATED SANDWICH UNIT	120V	12.0	20A/1P	1Ø 2W+G	YES	5-15R	38"AF	
212A	HOLDING CABINET	120V	10.0	20A/1P	1Ø 2W+G	YES	5-15R	38"AF	VERIFY ELEC REGTS WITH MANUF
215	TORNADO OVEN	208V	28.4	30A/2P	1Ø 3W+G	YES	6-30R	38"AF	VERIFY ELEC REGTS WITH MANUF
216	MULTI STAGING WARMER	120V	5.4	20A/1P	1Ø 2W+G	YES	5-15R	38"AF	
480-A	WALK-IN COOLER CDU	208V		35A/2P					VERIFY ALL ELEC REGTS WITH MANUF
480-B	WALK-IN FREEZER CDU	208V		35A/2P					VERIFY ALL ELEC REGTS WITH MANUF
480-C	WALK-IN COOLER BLOWER			20A/1P					VERIFY ALL ELEC REGTS WITH MANUF
480-D	WALK-IN FRZR BLOWER			20A/1P					VERIFY ALL ELEC REGTS WITH MANUF
480-E	WALK-IN CLR DOOR HTR			20A/1P					VERIFY ALL ELEC REGTS WITH MANUF
480-F	WALK-IN FRZR DOOR HTR			20A/1P					VERIFY ALL ELEC REGTS WITH MANUF
480-G	WALK-IN FRZR HEAT TAPE			20A/1P					VERIFY ALL ELEC REGTS WITH MANUF
EF-1	EXHAUST FAN	120V	5.4	20A/1P	1Ø 2W+G	NO			VERIFY ELEC REGTS W/ MANUF
HD	HAND DRYER - SEE A2.1	**	**	**	**	**	**	**	MULT ELEC CONFIGS AVAIL - SPECIFY
XIM	EXIST RELOCATED ICE MACHINE								MATCH EXISTING ELEC REQUIREMENTS
XOV	EXIST RELOCATED OVEN								MATCH EXISTING ELEC REQUIREMENTS

1) MODIFY EXISTING ELECTRICAL PANELS TO ACCOMMODATE NEW EQUIPMENT CIRCUITS AS REGD.  
2) THE ELECTRICAL CONTRACTOR IS REQUIRED TO VERIFY ALL ELECTRICAL REQUIREMENTS OF EXISTING EQUIPMENT.

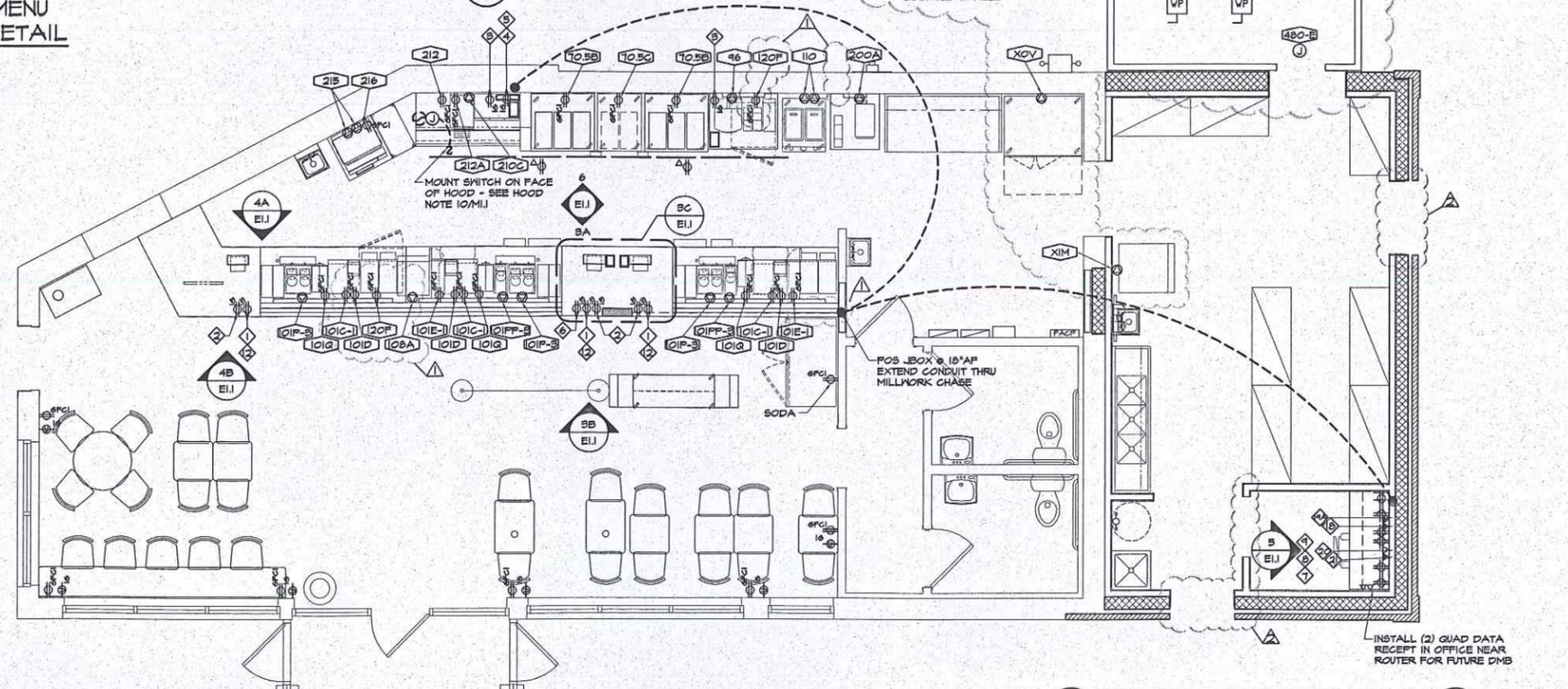
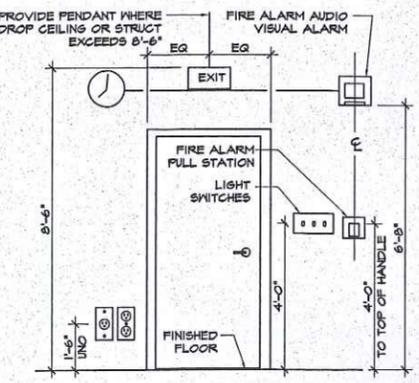
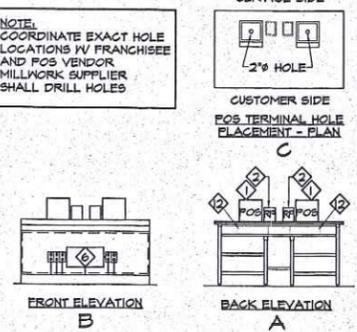


**FIRE ALARM SYSTEM NOTES**

- 1) ANY NEW DEVICES SHALL BE COMPATIBLE WITH EXIST SYSTEM
- 2) VERIFY ALL EQUIPMENT MEETS ADA
- 3) VERIFY & MAINTAIN PROPER FUNCTION OF EQUIPMENT DURING CONSTRUCTION AND AT FINAL COMPLETION
- 4) MODIFY EXIST FA SYSTEM AS REGD TO ACCOMMODATE NEW LAYOUT

**MTS HST DTL NOTES**

- 1) THIS DETAIL INDICATES CENTERLINE FOR FIRE ALARM/FULL STATION SWITCHES AND RECEPTACLES. HOWEVER THIS SAME CENTERLINE PRINCIPLE SHALL BE FOR ALL GROUP MTD ELECTRICAL DEVICES.
- 2) IF FIRE ALARM IS ON SAME SIDE OF DOOR AS SWITCHES, FULL STATION SHALL BE HORIZONTALLY SEPARATED BY A MINIMUM OF 18".
- 3) THIS ELEVATION IS A GENERAL ARRANGEMENT OF OF DEVICES. ARCHITECT PLANS TAKE PRECEDENCE FOR EXACT LOCATIONS.



**AHARONIAN & ASSOCIATES INC.**  
ARCHITECTS

310 George Washington Highway  
Suite 100  
Smithfield, Rhode Island  
0 2 9 1 7

T 401-232-5010  
F 401-232-5080  
WWW.ARCH-ENG.COM

**DISCLAIMER**

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

**REVISIONS**

NUMBER	REMARKS	DATE
1	OWNER REVISIONS	9/27/12
2	OWNER REVISIONS	11/2/12

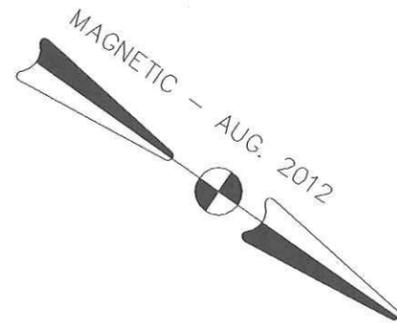
**FOR CONSTRUCTION**

PROJECT TITLE  
**DUNKIN' BRANDS**  
[eatdrinkthink]  
PC# 310289

448 MAIN STREET  
WATERTOWN, MA  
Middlesex County

**POWER & POS COMM PLAN**

DATE	PROJ NO
SEPT 11, 2012	1291
DRAWN BY	CHECKED BY
JL	MH
DRAWING NUMBER	



**448 MAIN ST  
WATERTOWN, MA  
DEC 12, 2012**



**AHARONIAN  
& ASSOCIATES, INC.  
Architects**  
401-232-5010  
www.arch-eng.com





**448 MAIN ST  
WATERTOWN, MA  
OCT 23, 2012**



**AHARONIAN  
& ASSOCIATES, INC.  
Architects**  
401-232-5010  
www.arch-eng.com



**2 EAST ELEVATION**  
SCALE: 1/4" = 1'-0"

