INTEGRATED PEST PREVENTION (IPP) CAN BE DEFINED AS, "THE ART AND SCIENCE OF PREVENTING THE INTRODUCTION OF UNWANTED ORGANISMS INTO COMPLEX MICROENVIRONMENTS AND THE ASSOCIATED MITIGATION EFFORTS REQUIRED WHEN PREVENTION FAILS". IPP ENCOMPASSES THE CONCEPTS, STRATEGIES AND TACTICS NEEDED TO EFFECTIVELY PROTECT HUMAN HEALTH AND PROPERTY FROM THE PRESENCE OF UNWANTED ORGANISMS.

EVERY PEST, WHETHER MICROBIOLOGICAL, INVERTEBRATE OR MAMMALIAN NEED A FOOD SOURCE, WATER, SAFE HARBORAGE (SUITABLE ENVIRONMENT – TEMPERATURE, HUMIDITY, HIDING PLACES), THEY ALSO NEED A WAY INTO THE RESTAURANT. IN MOST CASES, CONTROLLING EVEN 1 OF THE REQUIREMENTS CAN PREVENT AN INTRODUCTION FROM BECOMING AN INFESTATION (ARTHROPODS OR VERTEBRATES) OR THE GROWTH OF PATHOGENIC ORGANISMS (BACTERIA/FUNGI ETC.). WHILE WE CANNOT ELIMINATE ALL INTRODUCTIONS FROM EMPLOYEES, CUSTOMERS AND DELIVERIES, WE CAN VIRTUALLY ELIMINATE INTRUSIONS DUE TO CONSTRUCTION AND DESIGN FAULTS AND, OPERATIONAL BEHAVIOR.

IN GENERAL, WHEN YOU THINK ABOUT EXCLUDING PEST FROM A BUILDING, YOU CAN THINK OF THE PESTS AS WATER. WE DON'T WANT UNNECESSARY WATER GETTING INTO THE BUILDING SO WE ADD APPROPRIATE BARRIERS. FROM VAPOR BARRIERS TO CONCRETE CURBS, WE BLOCK OR REDIRECT WATER. SAME WITH PESTS; FOR INSECTS WE CAN USE MATERIALS LIKE ELASTOMERIC SEALANTS AND HARD SURFACES TO PREVENT INTRUSION, FOR RODENTS, THE SAME CONCEPTS APPLY BUT THE BUILDING MATERIALS/PRACTICES HAD TO BE MORE ROBUST (CEMENTITIOUS MATERIALS WITH METAL REINFORCEMENT).

FOR ALL ASPECTS OF PEST PREVENTION ACTIVITIES, WE ARE MOVING TOWARDS SEASONALLY AND GEOGRAPHICALLY ATTENUATED (SAGA) © AND ENVIRONMENTALLY AND SOCIALLY RESPONSIBLE PEST PREVENTION PROGRAMMING © TO ACHIEVE MANAGEABLE, SITE-SPECIFIC SCOPES OF WORK.

GUIDING PRINCIPLE 1 - SITE SELECTION:
YOU HAVE TO TRY TO LOOK AT EVERY PHYSICAL ASPECT OF THE BUILDING AND ITS ENVIRONMENT. TO THIS END, IT IS PREFERABLE TO ESTABLISH A RELATIONSHIP WITH A LOCAL MEMBER OF YOUR PEST PREVENTION PROVIDER'S MANAGEMENT TEAM AND ASK THEM TO GIVE SOME GENERAL GUIDANCE DURING THE SITE SELECTION PROCESS. THEY MAY BE AWARE OF NEIGHBORHOOD LEVEL PEST PREVENTION CONCERNS AND HAVING THEM INVOLVED FROM THE BEGINNING ALLOWS THEM TO PROPERLY CREATE/MODIFY THE PRE AND POST CONSTRUCTION SERVICE PLANS. FROM BOTH GLOBAL AND LOCAL PERSPECTIVES. LOCATION CHARACTERISTICS ARE CLEARLY THE DRIVING FORCE IN POTENTIALLY PREDICTABLE PEST PROBLEMS. MUCH OF THE RELEVANT INFORMATION NEEDED ABOUT ANY PARTICULAR STORE IS ALREADY IN TACO BELL'S HANDS IN THE FORM OF PEST ACTIVITY DATA. ADDITIONAL INFORMATION CAN BE GATHERED FROM LOCAL EXPERTS (IF AVAILABLE) OR ASSESSED BY TACO BELL CORPORATE QA/FOOD SAFETY STAFF.

QA/FOOD SAFETY RESOURCES ARE AVAILABLE TO COORDINATE OR PERFORM ASSESSMENTS AS NEEDED.

THE CRITICAL FACTORS, IRRESPECTIVE OF BROAD GEOGRAPHICAL LOCATION, WOULD BE; STAND ALONE VS. MALL LOCATION, COMBINATION FACILITY*, THE AGE OF THE FACILITY**, AND GENERAL NEIGHBORHOOD CONDITIONS.

FACTORS THAT WE CANNOT CONTROL, BUT CAN ANTICIPATE/MITIGATE:
WEATHER / CLIMACTIC ZONE
LOCALIZED SPECIAL PEST ISSUES (PAST PEST HISTORY)
BUILDING LOCATION - PARTICULARLY A CONCERN IN URBAN AREAS. LITTER, AGING UTILITIES, SUBWAYS AND FOOT TRAFFIC LEVELS MUST BE ACCOUNTED FOR.
BUILDING AGE
BUILDING PLACEMENT
NEIGHBORHOOD (PHYSICAL AND SOCIOECONOMIC) CONDITIONS
COMBINATION FACILITY CAN MEAN AN INLINE LOCATION OR MULTI-USE FACILITY (FOR EXAMPLE, ADDING A BAR TO A RESTAURANT OR PLACING A RESTAURANT IN A TRAVEL CENTER ADDS COMPLEXITIES DUE TO INCREASED PEST OPPORTUNITIES.)
**THE AGE OF THE BUILDING INTRODUCES ISSUES LIKE: CONSTRUCTION MATERIALS AND BUILDING STANDARDS.
GUIDING PRINCIPLE 2 – BUILDING DESIGNED FOR EXCLUSION, INSPECTION, CLEANING AND TREATMENT: USING PROPER TECHNIQUES TO KEEP PESTS OUT IS EASY ENOUGH BUT TIME AND USE EVENTUALLY TAKE THEIR TOLL ON THE ENTIRE STRUCTURE. THE RESULTS CAN BE RAPID DETERIORATION AND PEST INTRUSION/INFESTATION. 1. USE HIGH QUALITY CONSTRUCTION MATERIALS TO PREVENT THE INTRUSION OF MOISTURE AND PESTS (SPECIFICS AVAILABLE IF REQUIRED). MOISTURE INVITES THE FULL SPECTRUM OF PESTS TO ENTER AND BECOME ESTABLISHED IN THE BUILDING, RESULTING IN A THREAT TO PUBLIC HEALTH AND DAMAGE TO THE ASSET. THIS APPLIES TO MOISTURE WITHIN THE BUILDING AS WELL AS ENVIRONMENTAL MOISTURE. COUNTERS, BEVERAGE MACHINES, DRAINS, SINKS ALL HAVE TO BE WELL SEALED TO PREVENT MOISTURE FROM PENETRATING INTO CRACKS, CREVICES OR VOIDS.

THE PESTS OF PRIMARY FOOD SAFETY/PUBLIC HEALTH CONCERN ARE LARGELY CRYPTIC IN NATURE. THEY EITHER LIKE TO HIDE (RODENTS), MUST HIDE (COCKROACHES) OR SIMPLY REQUIRE QUIET, DARK, OUT OF THE WAY PLACES TO BREED (COCKROACHES AND FLIES). RESTAURANT STAFF AND PEST PREVENTION PARTNERS MUST BE ABLE TO MOVE EQUIPMENT AROUND TO SEE WHAT IS HAPPENING.

THE FLOORS, DRAINS AND WALLS HAVE TO BE DURABLE AND EASILY CLEANED A. AVOID TILE WHEN POSSIBLE (GROUT LINES) I. WHEN TILE MUST BE USED, EPOXY GROUT IS PREFERRED B. DRAINS MUST BE POSITIONED TO BE EASILY INSPECTED AND CLEANED C. EQUIPMENT MUST BE EASY TO MOVE TO CLEAN THE FLOOR D. EQUIPMENT MUST BE DESIGNED TO BE EASILY CLEANED.

TREAT WALL VOIDS AND DIFFICULT TO INSPECT STRUCTURAL AREAS WITH BORACARE (DISODIUM OCTABORATE TETRAHYDRATE) TO ASSIST IN THE PREVENTION OF ARTHROPOD INFESTATIONS.

TREAT AREAS PRONE TO INFECTION WITH MOLD-CARE (DIDECYL DIMETHYL AMMONIUM CHLORIDE).

BASEMENTS A. FOLLOW THE SAME EXCLUSION PRINCIPLES IN GENERAL TERMS B. ADDITIONAL PEST DEVICES MUST BE ADDED/ACCOMMODATED C. AIRFLOW IS CRITICAL. SINCE FOOD RELATED ITEMS WILL BE STORED IN THESE AREA, WE MUST NOT ALLOW MOISTURE TO FOSTER THE DEVELOPMENT OF MICROORGANISMS (BOTH PATHOGENIC AND NON-PATHOGENIC).

EXTERIOR DESIGN TO ELIMINATE INTRODUCTION POINTS AND HARBORAGE AREAS A. NO TREES OVERHEAD OR TOUCHING THE BUILDING B. NO SHRUBS, BUSHES, VINES TOUCHING OF IN CLOSE PROXIMITY TO THE BUILDING C. STRATEGICALLY PLACE WASTE (COMPOST/RECYCLING/LANDFILL) RECEPTACLES AWAY FROM THE BUILDING WHEREVER POSSIBLE AND HAVE THEM IN WELL-LIT AREAS (IF APPROPRIATE).

LIGHTING SHOULD BE INDIRECT WHENEVER POSSIBLE TO PREVENT NIGHT FLIERS FROM BEING DRAWN TO THE BUILDING.

AVOID SEMI-ENCLOSED (PARTIAL SOFFIT) AREAS WHERE BIRDS AND MAMMALS CAN HARBOR.

(APPENDIX FOLLOWS)

APPENDIX
PEST MANAGEMENT, IN A STANDALONE SETTING IS ACTUALLY QUITE SIMPLE WHEN PROPERLY EXECUTED BY ALL PARTICIPANTS. AS IT RELATES TO BUILDING DESIGN AND CONSTRUCTION, THERE ARE JUST A FEW PRINCIPLES THAT IF ADDRESSED WITH GREATLY DIMINISH PEST ISSUES.

T PROVIDE ANY UNNECESSARY ATTRACTANTS WHEN POSSIBLE AND, MITIGATE WHEN UNAVOIDABLE. 2. IF THE BUILDING IS TIGHT, THEN PESTS CANNOT COME IN EASILY. 3. MAKE SURE THAT THERE IS ENOUGH AIRFLOW INTO THE BUILDING FROM ABOVE TO FACILITATE POSITIVE PRESSURE AT THE DOORS. 4. IF THE PESTS CAN
T BE AN INTRODUCTION. 5. IF THEY DO GET IN THE BUILDING BUT, HAVE NOWHERE TO HIDE,
T BE AN INFESTATION. A. EQUIPMENT, WHEN POSSIBLE SHOULD BE TIGHTLY SEALED. I. EXAMPLE, MANY ARE PLACED TO SHIELD THE UNDERSIDE OF EQUIPMENT FROM VIEW. THIS WILL NOT KEEP ANYTHING OUT. B. WHEN NOT POSSIBLE, MAKE IT EASY TO OPEN FOR INSPECTION AND TREATMENT. ALSO, CONSIDER THE NEED FOR MONITORING DEVICES NEAR ENTRY POINTS. I. EXAMPLE, IF A PIECE OF EQUIPMENT MUST HAVE A HOLE AT THE BOTTOM, MAKE SURE THAT A DEVICE CAN BE PLACED APPROPRIATELY IN OR UNDER IT. KEEP VISUAL INSPECTION IN MIND TOO. C. AVOID DIFFICULT TO CLEAN EQUIPMENT. IF IT ISN
IT. D. IN SUMMARY, IF YOU CAN, KEEP THEM OUT. IF YOU CAN '

THERE ARE NO OUTSIDE PITS OR DEPRESSIONS. THE PERIMETER SLOPES AWAY FROM THE BUILDING. GRAVEL BARRIER IS PRESENT WITH DRAINS IN CRITICAL DRAINAGE AREAS.
ARE FILLED WITH CORRECT JOINT FILLER. • THERE ARE NO OUTSIDE STORAGE AREAS THAT COULD PROVIDE
NO CHAIN LINK FENCES ARE PRESENT NEAR THE FACILITY.
FOR EASY WEED ACCESS/REMOVAL AND LAWN MAINTENANCE.
EXTERIOR SMOKING AREA IS PROVIDED FOR EMPLOYEES SUCH THAT THE DEBRIS FOUND IN THESE AREAS DOES NOT ATTRACT PESTS INTO THE FACILITY. • BUILDING DESIGN DETERS BIRDS FROM NESTING OR LOAFING.

UTILITY LINES, ELECTRICAL CONDUITS, AND PLUMBING ENTRANCES INTO THE BUILDING ARE COMPLETELY
PIPES OR WIRING ARE NOT GROUPED INTO GANGS AND ARE NOT HOUSED IN
UTILITY SYSTEMS ARE EASILY ACCESSIBLE AND EASILY OPENED FOR THOROUGH CLEANING.
RODENTS ARE DETERRED FROM CLIMBING PIPES ON THE BUILDING EXTERIOR BY FITTED METAL RAT GUARDS.
GUARDS ARE MADE OF 26-GAUGE SHEET METAL, FITTED CLOSE TO THE WALL AT THE REAR, AND PROJECTING 12
OUTSIDE VERTICAL PIPES ARE COATED WITH GLOSSY PAINT TO PREVENT
WHERE POSSIBLE, UTILITY LINES ARE TRENCHED, RATHER THAN SUSPENDED.

ALL PARKING AND TRAFFIC AREAS ARE PAVED.
DRAINS ARE FREE OF DEBRIS.

PERIMETER FOLIAGE CLEARS BUILDING BY 18" MINIMUM AND NOT TALLER THAN 24 INCHES.
TREES ARE AT LEAST 30 FEET AWAY FROM BUILDING PERIMETER.
GROUND COVER SUCH AS GARDEN STONES AND SPARSE LIVE PLANT COVER ARE USED.

BUILDING PERIMETER IS WELL LIGHTED. • EXTERIOR LIGHTS ARE LOCATED AT LEAST 30-40 FEET AWAY FROM EXTERIOR DOORS, SO THAT THEY DO NOT ATTRACT FLYING INSECTS INTO THE BUILDING. (IF FEASIBLE)
LIGHTS ARE SHIELDED TO SHINE DOWN ONTO THE BUILDING PERIMETER AND DO NOT SHINE OUT/AWAY FROM THE FACILITY. SHADOW BOX FIXTURES PREFERRED. • BULBS LESS ATTRACTIVE TO INSECTS SUCH AS HIGH PRESSURE
INSECT LIGHT TRAPS ARE LOCATED SUCH THAT THEY DO NOT DRAW INSECTS INTO THE FACILITY.

SANITARY DUMPSTER AND TRASH STORAGE:
DRIVE AND STORAGE AREA ARE PAVED.
TRASH STORAGE IS LOCATED AWAY FROM INCOMING GOODS AND ISOLATED FROM FACILITY.
LOCATED IN A WALLED SPACE, WITH OPEN AREA AND MINIMAL AVAILABLE HARBORAGE FOR RODENTS, BIRDS, OR
TRASH STORAGE IS LOCATED DOWN WIND (PREVAILING WINDS) WHEN POSSIBLE.
SEPARATED FROM FACILITY BY FIRE-RATED SEPARATION WALLS.
HAND-SANITIZER PROVIDED FOR RE-ENTRY INTO THE FACILITY.
ADEQUATE FOR VOLUME, HAS A RAIN COVER, AND IS SEALED WITH NO LEAKS.
IN DUMPSTER AREA - KEEP THIS AREA CLEAR AND CLEAN. • SIGN (FOR EMPLOYEES) IS PRESENT IN DUMPSTER AREA -

OUTSIDE STORAGE IS WELL DRAINED; PAVING IS DESIRABLE.
PROVIDED; AREA FOR DRY STORAGE IS PROVIDED. • HOT WATER AVAILABLE WITH FLOOR DRAINS FOR CLEANING.

SINGLE MEMBRANE OR SMOOTH ASPHALT IS PREFERRED; AVOID BALLASTED ROOFING OR HOT MOP ROOFS.
ACCESSES TO ROOF ARE CONVENIENTLY LOCATED, COVERED AND SEALED WHEN CLOSED.
STOP) IS DESIGNED TO A 12-18 INCHES HEIGHT MINIMUM. • MINIMAL FLAT SURFACES ARE AVAILABLE FOR
ROOF DESIGNED TO DETER STORAGE OF ANY KIND.
ONLY DOUBLE DOMED SKYLIGHTS ARE USED AND ARE WELL SEALED.
TO INSECTS (YELLOW, RED), OR BIRDS (WHITE). • ONLY QUALITY FLASHING IS USED.
DUCTWORK ARE PROPERLY MOUNTED WITH ALL JOINTS SEALED.

ALL ROOF DRAIN PIPES PROPERLY TREATED WITH NH3 TO AVOID RUSTING.
SCREENED WITH 1/4 -INCH SCREENING OR CAPPED TO KEEP PESTS OUT.
ROOF DRAINS ARE ROUTED TO THE SANITARY SEWER; DOWN-SPOUTS CARRY WATER AWAY
CANOPY RUNOFF IS ROUTED AND DOES NOT RUN OFF ANY EDGE.
SITUATIONS EXIST THAT CREATE STANDING WATER.

VESTIBULES ARE PRESENT AT EACH EMPLOYEE AND FACILITY ENTRY-WAY WHENEVER POSSIBLE.
PEDESTRIAN DOORS OPEN TO THE OUTSIDE) OF THE FACILITY ONLY.
PEDESTRIAN DOORS ARE CONSTRUCTED WITH GALVANIZED OR STAINLESS STEEL FRAMES.
HAVE PROPER DOOR-SWEEPS INSTALLED. BRUSHES ARE USED; RUBBER IS NOT.
INSULATED. NO FIBERGLASS INSULATION IS USED. • WOODEN DOORS ARE NOT PRESENT.
A DOOR CLOSER; THERE ARE NO SCREW-DOWN THRESHOLDS OR
IS USED AND NO PENETRATING LIGHT DETECTED.

THE CRAWL SPACE OR BASEMENT IS EASILY ACCESSED.
NO VISIBLE CRACKS, GAPS OR VOIDS PRESENT IN THE WALLS. ALL OPENINGS GREATER THAN 1/4
[illegible] BANDS OF HARD GLOSSY PAINT IS APPLIED AROUND OUTSIDE BRICK OR STONE WALLS TO
[illegible] UTILITIES BELOW GRADE ARE EASILY ACCESSED AND ARE LABELED

ALL FLOOR DRAINS ARE DESIGNED WITH TRAPS WITH AT LEAST 3 INCHES OF WATER SEAL, AND THEY ARE FITTED WITH SECONDARY STRAINERS TO PREVENT PEST ENTRY. • FLOOR DRAINS EXIST IN PRODUCTION AREA EVERY 400 SQ.
FLOOR DRAINS ARE CONSTRUCTED OF STAINLESS STEEL FOR EASIER CLEANING.
DRAINS (IN CRAWL SPACES) ARE WELL SEALED AND DO NOT LEAK.
INSECT SCREENS ARE INSTALLED IN FRONT OF FILTER MEDIA.
THEY ARE NON-CORROSIVE. 18- MESH SCREEN. • VENTS ARE COVERED WITH METAL GRILLWORK AND ARE BACKED BY
FLOOR DRAINS INCLUDED ON MASTER SANITATION SCHEDULE - MINIMUM 1 WEEK

POURED CONCRETE IS PREFERRED FOR INSIDE WALLS, HIGH DENSITY FILLED CONCRETE BLOCK 1ST 6-8 FT. IS
IF METAL SIDING IS UTILIZED THE BOTTOM 6' OF THE WALL IS POURED CONCRETE SO AS TO PROVIDE A SEAL TO THE CONCRETE WITH THE OVERLAPPING SIDING.
INSULATED WITH PROPER MATERIAL THAT DETERS PESTS. • WALL AND FLOOR JUNCTURES ARE SEALED WHERE
IF STEEL STUDS ARE USED, OPENINGS EXIST THAT ALLOW EASY FLOW OF DUST APPLICATIONS.

COAT IS APPLIED TO ALL BLOCK WALLS, FOR SMOOTH BLOCK WALL SURFACES, PAINT FILLER IS USED. SEALING IS ADEQUATE, SUCH THAT THERE ARE NO VISIBLE CRACKS.
WOOL. HIGH DENSITY FOAM PREFERRED.

PIPES ARE PROPERLY RUST-PROOFED WITH NH3, PRIOR TO FOAM INSULATION OF THE WALLS.
PENETRATIONS ARE PROPERLY SEALED/CAULKED. PIPE PENETRATIONS ARE CUT AND SEALED ON THE SAME DAY SO THAT OPENINGS OR JUNCTIONS REMAIN CLEAN.
PIPES AND CONDUITS ARE NOT ARRANGED IN GROUPS.

ITEMS MOUNTED TO WALLS WITH LESS THAN A ¼
ALLOWED TO KEY UTILITY JUNCTIONS BEHIND WALLS. KNOCK OUT PANELS ARE PRESENT.
CONSTRUCTION MINIMIZES THERMAL TRANSFER OF STRUCTURAL MEMBERS.

CEILINGS:
CONCRETE CEILINGS ARE SMOOTH AND FREE OF PITS THAT MAY HARBOR INSECTS.
NOT PRESENT, BECAUSE OF POTENTIAL FOR FOOD/MOISTURE ACCUMULATION. (OBVIOUSLY NOT A
SURE MAKES IT EASIER) MAKING THEM MORE ACCESSIBLE FOR INSPECTION WOULD AT LEAST BE BETTER.

INTERIOR LIGHTING:
HIGH PRESSURE SODIUM BULBS ARE USED WHERE HIGH-INTENSITY LIGHT IS NEEDED. SODIUM LIGHTS LAST LONGER AND ARE LESS ATTRACTIVE TO INSECTS THAN FLUORESCENT LIGHTS.
AVOIDED - IT'S HARD TO KEEP CLEAN. • SKYLIGHTS ARE AVOIDED BECAUSE THEY CAN LEAK.
UNITS ARE STRATEGICALLY PLACED SO THAT THEY DO NOT COLLECT DEBRIS.

WINDOWS:
SKYLIGHTS ARE AVOIDED BECAUSE THEY CAN LEAK.
PREFERRED. • CAULKING IS USED FOR SMALL CRACKS AND CREVICES FOUND AROUND WINDOWS.
SCREENING IS USED, A MINIMUM OF 18 MESH IS RECOMMENDED. 30 MESH IS PREFERRED.
REINFORCED AT POINTS OF STRESS.

FANS AND HOODS:
ALL FAN/HOOD HOUSINGS ARE SEALED. ADEQUATE SEALS EXIST BETWEEN FAN HOUSINGS AND ROOF. ALL FANS ARE ACCESSIBLE FOR CLEANING; ALL FANS MOUNTED HIGH ENOUGH FOR CLEANING.
SCREENS AND FILTERS THAT ARE PROPERLY SIZED AND HAVE THE PROPER MESH.
CHANGED AND/OR CLEANED. • ALL FILTERS ARE INCLUDED ON THE MSS.
PITCHED, THERE ARE NO HORIZONTAL DUCTS FROM HOODS.
DRAINS OR TRAPS ARE PRESENT.
EXHAUST FANS ARE MAXIMUM DISTANCE FROM AIR INTAKE.
PREP AREAS. • INBOUND AIR IS FILTERED AND DEHUMIDIFIED OR AIR-CONDITIONED.

FLOORS:
SOURCES OF WATER DISCHARGE DO NOT CREATE STANDING WATER.

CONSTRUCTION GAPS AND PENETRATIONS
ALL PIPE PENETRATIONS ARE PROPERLY SEALED THE SAME DAY THEY ARE CUT.
PRESENT ARE SEALED WITH PROPER JOINT COMPOUND.
(E.G., WOOD DEBRIS) AFTER CONSTRUCTION. • ALL CRAWL SPACES AND BASEMENTS HAVE PROPER DRAINAGE AND VENTILATION. • ADEQUATE DRAINAGE IS AVAILABLE AND EQUIPPED WITH PUMPS FOR EXCESS WATER REMOVAL.

STOREROOMS:
STOREROOMS HAVE METAL SHELVING. NO WOODEN SHELVING PRESENT.
LIGHTING. • STOREROOMS ORGANIZED & NOT CLUTTERED.

BATHROOMS:
TOILETS ARE FLOOR MOUNTED WITH AUTOMATIC FLUSHING.
BATHROOM WALLS ARE MONOLITHIC, SEAMLESS AND CLEANABLE.
AND VINYL SHEETING ARE AVOIDED. • FLOOR DRAINS ARE PRESENT TO ALLOW RINSING.

EMPLOYEE AREAS:
OFFICE AREA'S DESIGN PROMOTES ACCESSIBILITY AND MINIMIZES CLUTTER.
IS PROVIDED FOR EMPLOYEES. EMPLOYEE LOCKERS ARE AVOIDED, BUT IF INSTALLED ARE ELEVATED WITH ACCESS BEHIND AND UNDER.

PEST PROOFING
PEST EXCLUSION: SEALING OR SCREENING ALL POTENTIAL ENTRY POINTS INTO THE BUILDING TO KEEP PESTS FROM COMING INSIDE. PEST ISOLATION (CONCEPT): PEST PROOF INSIDE THE BUILDING TO CONFINE PESTS AND KEEP THEM FROM MOVING INTO NEW AREAS. AN EXAMPLE MIGHT BE COMPARTMENTALIZING A BUILDING (LIKE SHIP BULKHEADS) TO ISOLATE AN INFESTATION IN ONE AREA AND MAKE PESTS EASIER TO ERADICATE.

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SEALING HARBORAGES: WELL SEALED BUILDINGS ARE LESS ATTRACTIVE TO PESTS, AS FEWER HIDING PLACES ARE AVAILABLE AND MAKE PESTS EASIER TO ELIMINATE.

PEST OPENINGS MUST BE LESS THAN
PIGEON 1.5 - INCH
SPARROW 4/5 - INCH
RAT - YOUNG 1/3 - INCH
MOUSE - ADULT 2/5 - INCH
MOUSE - YOUNG 1/5 - INCH
GERMAN COCKROACH - ADULT 1/5 - INCH
GERMAN COCKROACH 1ST INSTAR NYMPH 1/16 - INCH
HOUSE FLY 1/12 - INCH
MOSQUITO 1/20 - INCH

EXTERIOR PEST PROOFING: PEST EXCLUSION HAS BEEN SHOWN TO BE EFFECTIVE, ESPECIALLY FOR BIRDS AND RODENTS. EXAMPLES OF PEST EXCLUSION ARE INSTALLING METAL KICK PLATES ON DOORS, SCREENING VENTS AND EAVES. SEALING OPENINGS WHERE PIPES AND UTILITY LINES ENTER BUILDINGS, AND INSTALLING METAL RODENT GUARDS ON OVERHEAD LINES OR VERTICAL PIPES.
INTERIOR PEST PROOFING: WHILE INTERIOR SEALING OF OPENINGS AROUND PIPES AND LINES HAS BEEN PROVEN EFFECTIVE FOR MICE AND RATS, MANY STUDIES HAVE SHOWN THAT IT IS NOT VERY EFFECTIVE AGAINST COCKROACHES. IT IS VERY LABOR INTENSIVE AND BUILDING OR MAINTENANCE STAFF MAY NOT HAVE THE KNOWLEDGE OF PEST HABITS TO DO THIS INTERIOR PEST PROOFING CORRECTLY. IN FACT, SEALING OPENINGS INSIDE A STRUCTURE CAN ACTUALLY BE DETRIMENTAL BECAUSE VOIDS MAY NO LONGER BE ACCESSIBLE TO TREATMENT, BUT MAY STILL BE ACCESSIBLE TO COCKROACHES.

INTERIOR PEST PROOFING
DOORS:
ALL DOORS ARE FITTED TO CLOSE AUTOMATICALLY.
METAL TO PREVENT MICE AND RATS FROM WIDENING CRACKS BY GNAWING.
ALL WOODEN DOORS HAVE A 12-INCH SHEET METAL (26-GAUGE) KICK PLATE ATTACHED TO THE OUTSIDE OF THE DOOR, WITH THE LOWER EDGE NOT MORE THAN 1/4 -INCH FROM THE FLOOR.
SEAMS ARE SEALED BY SPOT WELDING TO PREVENT INSECT ENTRY.
AND ARE FITTED WITH A SCREEN MESH OF NO LARGER THAN 1/18 INCH TO PREVENT ENTRY OF SMALL INSECTS INTO THE BUILDING. • DOUBLE DOORS ARE INSTALLED IN REGIONS WHERE FLYING INSECTS ARE PERVASIVE.
(IF FEASIBLE) • EXTERIOR LIGHTS AROUND DOORS HAVE
30-40 FEET AWAY FROM EXTERIOR DOORS SO THAT THEY DO NOT
ATTRACT FLYING INSECTS ONTO THE PREMISES. (IF FEASIBLE)
(STRIP DOORS) ARE INSTALLED IN DELIVERY ENTRY WAYS TO PREVENT THE ENTRY OF FLYING PESTS. AIR VELOCITY OF AIR DOORS IS A MINIMUM OF 1600 FT/MIN. (IF FEASIBLE)
• ALL EXTERIOR DOORS TO BE STEEL OR STOREFRONT WITH ALUMINUM METAL. WOODEN DOORS TO EXTERIOR NOT ALLOWED.

B. WINDOWS:
• OPERABLE WINDOWS, FITTED WITH AT LEAST 18-INCH MESH SCREENING. SCREENING IS REINFORCED AT POINTS OF STRESS.
THOROUGHLY CAULKED.

C. FOUNDATION:
• ALL CRACKS AND HOLES ARE PATCHED-UP WITH CEMENT. ALL OPENINGS GREATER THAN 1/4 INCH ARE SEALED TO EXCLUDE MICE; ALL OPENINGS GREATER THAN 1/2 INCH ARE SEALED AGAINST RATS. CLIMBING BY RATS AND MICE IS DETERRED BY A 12-INCH BAND OF HARD GLOSSY PAINT OR POLISHED METAL, AROUND THE OUTSIDE OF BRICK WALLS, UP TO ABOUT 3.5 FT. ABOVE THE GROUND. TEMPORARY EXCLUSION, UNTIL MORE PERMANENT REPAIRS CAN BE MADE. STEEL WOOL IS LIGHTLY PLUGGED INTO CRACKS AND HOLES TO PREVENT ENTRY OF RODENTS.

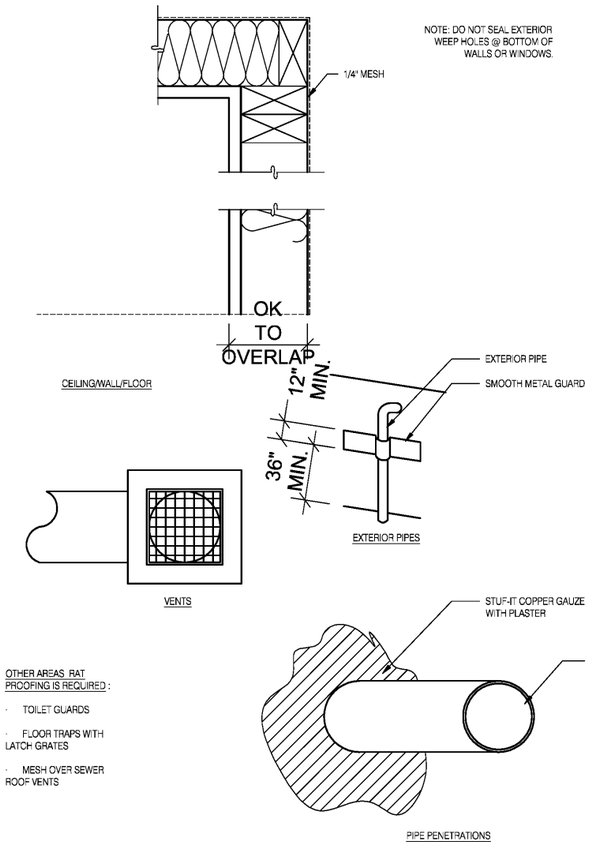
D. PEST PROOFING MATERIALS 1. BACKING/FILLING MATERIALS:
PLUMBER'S OAKUM, HARDWARE CLOTH AND/OR FOAM RUBBER AGGREGATE) USED TO FILL GAPS THAT EXCEED THE MAXIMUM SIZE RECOMMENDED FOR A SEALING PRODUCT. THESE ARE PLACED IN THE OPENING FIRST, AND THEN CAULKING OR SEALED OVER.

2. SCREENING MATERIALS:
• STEEL WOOL IS USED TO PLUG SMALL OPENINGS WHERE PESTS MAY ENTER OR MOVE WITHIN STRUCTURES. STEEL WOOL IS USEFUL WHERE NON-MOVEMENT IS DESIRED, BUT THERE IS LOW HUMIDITY ONLY. STEEL WOOL WILL RUST, SO IT SHOULD NOT BE USED IN AREAS OF HIGH MOISTURE.
MESH IS USED IN LOCATIONS WITH HIGH HUMIDITY OR MOISTURE (STEEL WOOL WILL RUST).
SCREEN (18 MESH MINIMUM) IS USED TO EXCLUDE INSECTS (NOT WILDLIFE) FROM SOFFIT VENTS IN ATTICS, CRAWL SPACE VENTS, AND FRESHAIR INTAKE VENTS FOR THE STRUCTURE.
IS HEAVIER THAN WINDOW SCREENING AND IS USED TO EXCLUDE RODENTS, BATS, BIRDS, AND WILDLIFE FROM ATTICS AND CRAWL SPACES. IT CAN ALSO BE USED TO PREVENT WILDLIFE FROM NESTLING UNDER STRUCTURES.

CONSTRUCTION CHECKLIST:
DURING CONSTRUCTION 3 MANDATORY AND 1 OPTIONAL VERIFICATION STEPS ARE REQUIRED:

1. (PREFERRED BUT NOT REQUIRED) PEST PROVIDER IS BROUGHT IN DURING SITE SELECTION FOR PRELIMINARY EVALUATION. TACO BELL HAS 4 NATIONAL PROVIDERS OF PEST MANAGEMENT & PREVENTION.
2. AFTER DEMO, PMP ESTABLISHES A PLAN FOR EXCLUSION (SEALING OF BUILDING). IT IS IMPORTANT THIS STEP HAPPENS AFTER ALL OF THE WALLS ARE OPEN TO IDENTIFY ALL PENETRATIONS AND AREAS OF RISK.
3. AFTER EXCLUSION WORK IS COMPLETE, BUT BEFORE WALLS ARE CLOSED UP, PMP CONDUCTS A 2ND EVALUATION.
4. AFTER WALLS ARE CLOSED UP AND TYPICALLY A FEW DAYS BEFORE A STORE OPENS, A FINAL WALK-THRU IS CONDUCTED TO ENSURE THAT ALL DEVICES ARE IN PLACE AND THE INTEGRITY OF THE EXCLUSION PLAN IS STILL INTACT.

*ADDITIONAL VISITS MAY BE REQUIRED PER PEST VENDOR RECOMMENDATION.



OTHER AREAS RAT PROOFING IS REQUIRED:

- TOILET GUARDS
- FLOOR TRAPS WITH LATCH GRATES
- MESH OVER SEWER ROOF VENTS

RAT PROOFING DETAILS

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CONTRACT DATE: 11/17/20
BUILDING TYPE: ENDEAVOR MED 40
PLAN VERSION: SEPT 2020
BRAND DESIGNER: 200109
SITE NUMBER: 297222
STORE NUMBER: 003717
ARCVISION: 200188

TACO BELL
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