



Electrical Testing Interior Air Contaminants Reinforcing Steel Mapping Energy Efficiency Audit Historical Preservation Concrete Corrosion Scan Sound and Vibration Test Roof Membrane Testing Infrared Thermal Imaging



Post-Tensioning Assessment Railings Load Test Expansion Joints Test Reserve Study Seawall Repairs QC Roofing Quality Control Laboratory Testing Turn-Over Inspection Masonry Testing



Roof Moisture Scanning Electronic Control Test Fresh Concrete Testing Concrete Strength Testing Glazing Inspection Concrete Voids Mapping Garage Concrete Repairs QC Illumination Testing Balcony Repairs QC

CONSULTING ENGINEERS

CONSTRUCTION QUALITY ASSURANCE

BUILDING MATERIALS TESTING LABORATORY



www.RASengineers.com

TESTING FOR BUILDING PERFORMANCE

PRESERVATION AND

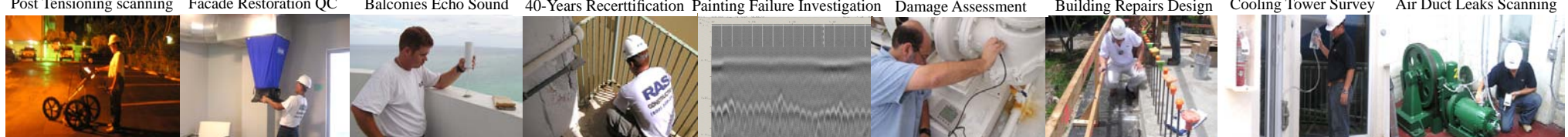
DURABLE RESTORATION



Moisture Impedance Test Fire Sprinklers Concrete ASR Test Windows Deluge Testing Historical Buildings Seawall Assessment Post-Tensioning Repairs QC Steel Corrosion Test Refrigeration Eqpt Testing



Post Tensioning scanning Facade Restoration QC Balconies Echo Sound 40-Years Recertification Painting Failure Investigation Damage Assessment Building Repairs Design Cooling Tower Survey Air Duct Leaks Scanning



Underground Utilities Scan Air Test and Balancing Cladding Permeability Concrete Chlorides Test Ground Penetrating Radar Plumbing Testing New Post-Tensioning QA Sealants Testing Elevator Testing



Envelope Deluge Testing Structure Strengthening Curtain Walls Repair QC Fire Insulation Survey Expansion Joints Testing Interior Leaks Scanning Concrete Pull-Out Test New Construction QA Concrete Carbonation Test

COMMITMENT

FORTY PERCENT OF THE WORLD ENERGY USAGE IS DEDICATED TO THE CONSTRUCTION AND OPERATION OF BUILDINGS. RECENT POLLS STATED THAT SIXTY-ONE PERCENT OF THE AMERICANS WANT TO DO SOMETHING TO PROTECT THE ENVIRONMENT, BUT THEY RECOGNIZE THEY DON'T KNOW HOW AND WHERE TO START. AS PART OF OUR COMMITMENT TO THE ENVIRONMENT AND ENERGY CONSERVATION, RAS HAS PROGRAMS IN PLACE TO PERFORM VOLUNTEER AND CONFIDENTIAL TESTING OF THE ENVELOPE AND SYSTEMS OF THE BUILDINGS, IN ADDITION TO OUR COURTESY MAINTENANCE ALERTS BY E-MAIL TO MANAGERS TO KEEP THE BUILDING SYSTEMS TUNED UP. CALL FOR DETAILS.



FACADES

FACADES ASSESSMENT DRAWINGS
WATER LEAKS DETECTION
WINDOWS WATER LEAKS DELUGE TESTING
WINDOWS WIND TESTING
FACADES ASSESSMENT
EIFS WALL DELUGE TESTING
CURTAIN WALLS ANCHORS ASSESSMENT
SEALANTS TESTING
EXPANSION JOINTS TESTING
PAINTING TESTING
BRICK PERMEABILITY
STUCCO PERMEABILITY
BALCONIES ASSESSMENT
SHUTTERS INSPECTION AND TESTING
STUCCO CHLORIDES CONTENT
WALLS ECHO-SOUND TESTING
WALLS REINFORCING SCANNING
MOISTURE INFRARED THERMAL IMAGING
WALLS IMPEDANCE TESTING
GROUND PENETRATING RADAR
BID SPECIFICATIONS PACKAGE
CONSTRUCTION DOCUMENTS FOR PERMIT
FACADES RESTORATION
SPECIAL INSPECTION SERVICES

INTEGRITY

RAS REPUTATION FOR EXCELLENCE IS OUR PRIORITY. WE ARE A TEAM OF DYNAMIC INDIVIDUALS RECOGNIZED FOR OUR INTEGRITY AND RESPONSIBILITY.

RAS ALWAYS IS STRIVING TO IMPROVE OUR PERFORMANCE, THROUGH CONTINUING EDUCATION, SPECIALIZED TRAINING, PERSONAL DEVELOPMENT, AND MEMBERSHIP IN CONSTRUCTION AND BUILDING TRADES. RAS PRINCIPAL IS AN ACTIVE MEMBER OF THE AMERICAN SOCIETY OF TESTING MATERIALS, AND THE ROOF CONSULTING INSTITUTE. HE ALSO PUBLISHES ARTICLES IN TRADE MAGAZINES, AND LECTURES ABOUT BUILDING PERFORMANCE TO OWNERS AND MANAGEMENT COMPANIES



STRUCTURE

POST-TENSIONING CONCRETE INSPECTION
PT STRESSING ENLONGATION INSPECTION
HARD CONCRETE STRENGTH TESTING
STRUCTURAL LOAD TESTING
REINFORCING STEEL CORROSION TESTING
CONCRETE AIR-WATER PERMEABILITY
ALKALI-SILICA REACTION TEST
CHLORIDES CONTENT IN CONCRETE
CONCRETE CARBONATION TESTING
MONITORING OF CRACKS IN CONCRETE
INFRARED THERMAL IMAGING
GROUND PENETRATING RADAR
DECK TILES-OVERLAY UPLIFT TESTING
REINFORCING STEEL MAPPING
MASONRY TESTING
STUCCO PERMEABILITY
BALCONIES INSPECTION
RAILINGS SAFEGUARD LOAD TESTING
EPOXY-INJECTION TESTING
FRESH CONCRETE STRENGTH TESTING
FRESH CONCRETE DENSITY TEST
FRESH CONCRETE MATURITY TEST
FRESH CONCRETE TEMPERATURE TEST
METAL COATINGS TESTING
METAL CORROSION TESTING
HIGH-STRENGTH BOLTING TESTING
ANCHOR BOLTS TESTING
SPECIAL INSPECTION SERVICES
CONSTRUCTION QUALITY ASSURANCE

VALUE

THERE IS INVISIBLE DETRIORATION IN ANY BUILDING THAT IT ISN'T EASY PERCEIVED. TO NAME JUST A FEW: MOISTURE INSIDE WALLS, INTERNAL ACTIVE CRACKS, CORROSION IN PROGRESS IN REINFORCING STEEL, UNDERGROUND LEAKS, ELECTRICAL CIRCUITS OVERHEATING, AIR LEAKS, AIR POLLUTANTS, AIR PARTICULES, BACTERIA, MOLD, ASBESTOS, INTERLAYERS DEBONDING, SEALANTS LOSSING HARDNESS, CHEMICAL ADVERSE REACTIONS, CLOGGED PIPES, BLISTERS, PERMEABILITY, LACKING OF VENTILATION, EXCESIVE POWER CONSUMPTION, ETCET-ERA.

RAS COMMITMENT TO TESTING THE BUILDING FOR PERFORMANCE, PROVIDES ECONOMIC VALUE FOR THE OWNER BY INCREASING THE REPAIRS CYCLE, SPENDING LESS ENERGY, AND KEEPING TENANTS HEALTHY.

MYSTIC POINTE CONDOMINIUM



ROOF

- ROOF IN SERVICE ASSESSMENT
- MEMBRANE ECHO SOUND TESTING**
- INFRARED MOISTURE THERMAL IMAGING
- MEMBRANE UPLIFT TESTING**
- INSULATION MOISTURE CORES TESTING
- MOISTURE IMPEDANCE SCANNING**
- FASTENERS UPLIFT TESTING
- DRIP EDGE OR FLASHING TESTING**
- PARAPET DELUGE TESTING
- BUDGETING AND SCHEDULEING REPAIRS**
- ROOF REPAIRS QUALITY ASSURANCE
- INSULATION SLOPE SURVEY**
- METALS CORROSSION RESISTANCE TEST
- GAGE MEASUREMENT OF METAL PARTS**
- AGGREGATE DRYNESS AND SIZE TESTING
- ROOF WIND LOAD CALCULATIONS**
- ROOF DRAINAGE CALCULATIONS
- CONSTRUCTION DOCUMENTS FOR PERMIT**
- BID SPECIFICATIONS PACKAGE
- METAL DECK THICKNESS MEASUREMENT**
- ROOF ASSET MANAGEMENT



QUALITY

RAS's GOAL IS TO ALWAYS DELIVER A FINISHED PRODUCT OF THE HIGHEST QUALITY. PERFORMANCE, PROFESSIONALISM AND STRONG PRINCIPLES ARE THE BUILDING BLOCKS OF OUR CORPORATE PHILOSOPHY. WE ARE PROUD TO HAVE MANY CLIENTS THAT CONSIDER RAS AS THEIR BUILDING's "GENERAL DOCTOR" BECAUSE REPEAT BUSINESS IS OUR BUSINESS GOAL. OUR STRONG COMMITMENT TO QUALITY CONTROL GUARANTEES THE HIGHEST STANDARDS IN EVERY DETAIL. WE ARE EXPERTS IN PRESERVING THE INTEGRITY OF EVERY STRUCTURE.



GROUNDS

- GARAGE CONCRETE ASSESSMENT
- BASEMENT WATERPROOFING TESTING**
- PLAZA DECK DAMPROOFING AND STRUCTURAL ASSESSMENT
- SWIMMING POOL LEAKS TESTING**
- PARKING LOT LIGHTING TESTING
- SEAWALL AND RETAINING WALLS**
- DOCK AND MARINA INSPECTION
- STORM WATER DRAINAGE SCANNING**
- SEWER TV CAMERA INSPECTION
- PLUMBING SMOKE TESTING**
- PAVEMENT TESTING
- UNDERGROUND UTILITIES DETECTION**
- GROUND PENETRATING RADAR
- UNDERGROUND VOIDS DETECTION**
- PHASE I ENVIRONMENTAL
- UNDERGROUND LEAKS MAPPING**
- FENCE AND POLES LOAD TESTING



RAS

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