The Special Inspector's reports are secondary to actual observation during construction. However, they are of extreme importance in that they enable the Building Official, the Architect—Engineer of Record, and Owner to keep current with the work while it is in progress and will be of value in case of changes in the structure or its use in the future. The report may consist of a record of the progress, working conditions, observations given to the contractors, deviations from the Official Contract Documents, and problems encountered. The reports shall be in writing and shall be made out promptly at the end of the period covered. The reports may consist of and or all of the following: PREFACE: These guidelines are intended as "guidelines" for the Special Inspector and are not intended to surrogate the requirements of the Building Official. Further, it is not intended that the Contractor's contractual and statutory obligations are in anyway relieved or foregone by the presence of the Special Inspector. The Contractor has the sole responsibility for deviations from the Official Contract Documents. The Special Inspector does not replace the duties of the Building Official nor the quality control personnel of the Contractor. A. Report of each inspection. B. Jobsite log of area inspected. C. Special records, mill tests, concrete tests, weldin reports, soil compaction tests, soil densification teports, and welding reports. D. Record of placing and curing concrete. E. Changes made in the field during a particular of photographs. G. Erection of structural steel. A. Note permits which have been obtained B. Licensed contractor's representative and contact p. C. Adequate supervision/organization/men/equipment D. Approved Official Construction Documents/shop dra shoring and reshoring plan/activity schedule E. Log/daily diary set up F. Arrangements for testing have been made G. Preconstruction meeting/construction coordination II. REPORTING INFORMATION AND OBSERVATIONS It is the obligation of the Special Inspector to notify the Contractor, the Building Official, the Architect—Engineer (Record, and the Owner of the following: Proper inspection during the placing obreparations prior to formwork, placing reformwork, etc., as vinished concrete. The Special Inspector is obligated to both the Owner and tuilding Official for observing that the work is executed in ubstantive accordance with the Official Contract Documents, hich are defined in the Project Manual. OBLIGATIONS The recommended removal or repair of faulty construction or construction performed without inspection and not capable of being inspected or tested in place. Make other structural inspections as required by the Building Official. File reports hereinafter described with the Building Official, and the Architect—Engineer of Record and the Owner. The use of materials, equipment, or workmanship which conform to the Official Contract Documents or which will improper construction which is not acceptable. Write and file such other structural reports as may be required by the Building Official. Reports shall be filed weekly. PREPARATION CHECKLIST 2. Independent testing records/approvals (density tests, and soil densification records/approvals 3. Placement and sizes of anchor bolts/rebar/dowels – grade of steel 4. Concrete cover 5. Provision for utilities/conduit in structural elements (note structural integrity of footing) 6. Moisture protection 7. Excavation, effect of construction on existing structures 8. Grade and elevations verified by Contractor 9. Review of soil reports/borings/density test reports 10. A testing laboratory will provide the inspection, tests and reports of the soil densification and pile installation. A testing laboratory will make the required soil density (compaction) tests. A testing laboratory will conduct the required pile load tests and will provide the pile load test report. Include those reports with those required herein. 11. Review of log of piling installation and of pile load tests. Special Inspector shall inspect the following: .۷ INSPECTION CHECKLIST a. methods used for transportation, handling and placing concrete shall be reviewed for avoidance of whatever may cause poor consistency control or segregation. b. the number and condition of concrete vibrators shall be verified including extra stand—bys to eliminate air and rock pockets. c. preplanned construction joints or emergency joints should be substantiated. Joints shall be located and made so at least to impair the strength of the structure. Joints shall be prepared prior to making the secondary pour. d. drop, vibration, consolidation e. tests conducted f. water added g. age h. disruption to rebar i. clean up prior to placement j. slump test on deck (not at truck) prior to placement 3. Bolting: Verify that bolts have proper torquing, if specified. 4. Surface finish/shop construction — galvanized, pair bare/any apparent manufacturing defect. 5. Identification of ASTM specification mark 6. Welding electrodes 7. Field verification for loading during construction for composite beam. 8. Field verification of steel sections and their location and compliance with shop drawings. 9. Inspection of welds and stud welding by testing lat being covered. 10. Fire protection: Spray fireproofing will be inspected a testing laboratory. 10. a. Anchor bolts b. Inserts c. Pipe sleeves The structural steel may be inspected in the shop by a testing laboratory, primarily for welding, shop bolting and quality of materials. See AWS Chapter 6 and specifications. The structural steel will be inspected in the field by a testing laboratory for field welds and field bolting a. special provisions called for test reports verified c. additional tests needed d. reshoring e. removal of forms f. finishing, repairing surface c. placement (location — disturbance afted. support/tie/degree of support and state. cover f. length and splices/laps/hooked barsg. check from engineering drawingsh. clean before pour i. record and deviations from drawings steel or larger diameter bars Verify that specific mix is of cement and water ceme Curing and Strength . Verify light gauge drawings. a. steel placement/lap lengths/location of poured in place dowels/vertical steel in same cell as dowel/clean out opening at bottom of cell to be grouted. b. alignment of cells to be filled/slump of grout/cells to be wet before pouring/only grout the cells as specified/cells adjacent to opening and corner to be grouted/vertical bar embedment length in tie beam c. verification of filled cells/observation holes d. mortar mix adequate a. tie beam/tie columns - spacing size/location/ placement of concrete before or after black wal dovetails if required/vertical inserts b. durowall/reinforcing c. grouted cells d. mortar mix adequate e. shear transfer - clips/dowels - as called for Reinforced and Partially Reinforced Erection procedures (sequence) Accepted shop drawings Mill test reports, if required by -reinforced metal ected by lab before ≕; a. concrete test cylinder reports b. changes by the design A/E c. soil density test reports d. observe any holes drilled in slabs, walls, columns without prior acceptance e. any exposed reinforcing steel exposed at face of reinforced concrete member f. at end of the week special inspector shall issue a report regarding status of discrepancies found in that week or before if not fixed g. send copy of inspection reports to Architect, design Engineer, Owner, Contractor, and any other as requested 1. Cor Building Official Star required Steel: Welding inspection reports, certification a. Slump test ASTM C143b. compression tests of molded four specimens per 50 cyc. cylindrical cores (ASTM C42) may be deem (2) ary by the Special WIND PRESSURE DIAGRAM FOR WALLS (PSF) MAIN ROOF WIND

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PROFESSIONAL OF RECORD: W. RONALD HUNT DISCIPLINE: STRUCTURAL ENGINEERING REGISTRATION NO.: 19689

SPINNAKER GROUP, INC.
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SYSTEMS DESIGN INTERNATIONAL

110 EAST BROWNRD BOULEVARD FI. JUDERDALF, FL 33301

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POOL CONSULTANT AQUADYNAMICS, INC. 5000 SW 75TH AVE. SUITE 203, MIAMI, FLORIDA 33155 Tel.: (305) 667-8975 Fox: (305) 662-1002

COASTAL CONTRUCTION EDC CORPORATION 2455 SW 27TH AVENUE, MIAMI, FLORIDA 33145 Tel.: (305) 858-8100 Fax: (305) 858-4760

ESTIMATING CONSULTANT CMS CONSTRUCTION MANAGEMENT SERVICES 10 FARWAY DRIVE SUITE 301 DEERFIELD BEACH, FL 33441 Tel.: (954) 481-1611 Fax: (954) 427-3142

SAVINO & MILLER DESIGN STUDIO

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20 TO 50
50 TO 100
100 TO 200
200 TO 500

+57 +55 +50 +48 +46 +46 +38

-56 -56 -51 -51 -49 -48 -44 -44

-65 -59 -54 -44

THRESHOLD INSPECTION PL

	WIND PRESSURES FOR OPENINGS IN WALLS, SUCH AS DOORS, GLAZING, WINDOWS, STOREFRONT, ETC.
NEGATIVE PRESSURE	PENINGS IN WALLS, G, WINDOWS,

	WIND PE	WIND PRESSURE D (PSF)	DIAG
	ZONE	ROOFING	
	<u>_</u>	-57	
	(2)	-95	
	(3)	-143	
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DESIGNER
SPILLIS CANDELA DMJM
800 DOUGLAS ENTRANCE, SUITE 200
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	RFSIDE RLORIDA TO THE LABOR COLORIDA

TOWN OF SURFSIDE COMMUNITY CENTER 9301 Collins Avenue. Surfside Flacide 7777

NDELA DMJM

THRESHOLD INSPECTION
PLAN - ROOF WIND
PRESSURE DIAGRAM

S0.1.01

PRESSURE DIAGRAM

6'-6" (TYP)

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KEY PLAN

AWN BY:

10-22-2009

DATE