

### **ARCHITECT**

SLATTERY & ASSOCIATES 2060 N.W. BOCA RATON BLVD. BOCA RATON, FLORIDA 33431 TEL (561) 392-3848 CONTACT: CLIFF ROBERSON, P.M.

### **OWNER**

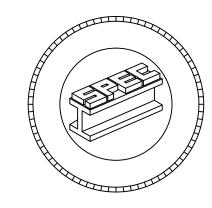
WOODFIELD HUNT CLUB HOME OWNER'S ASSOC. C/O HAWKEYE MANAGEMENT, INC. 3901 N. FEDERAL HWY., SUITE #202 BOCA RATON, FLORIDA 33431 TEL: (561) 392-1600 COMTACT: MICHAEL MORGAN

### PROPERTY MANAGER

HAWKEYE MANAGEMENT, INC. 3901 N. FEDERAL HWY. SUITE #202 BOCA RATON, FLORIDA 33431 TEL: (561) 392-1600 CONTACT: MICHAEL MORGAN

### GENERAL CONTRACTOR

T.B.D.
T.B.D.
T.B.D.
TEL: T.B.D.
CONTACT: T.B.D.



### STRUCTURAL ENGINEER

SPECIALTY ENGINEERING CONSULTANTS, INC. 1599 S.W. 30TH AVE., SUITE 20 BOYNTON BEACH, FLORIDA 33426 TEL: (561) 752-5440 CONTACT: ADAM LeBLANC, P.E.



### M.E.P. ENGINEER

F.A.E. CONSULTING 700 WEST HILLSBORO BLVD., BLDG. 1, SUITE 204 DEERFIELD BEACH, FLORIDA 33441 TEL (561) 391-9292 CONTACT: KAROLINA SCHAFFNER, P.M.



### CIVIL ENGINEER

D.C.E.S.
2295 N.W. CORPORATE BLVD., SUITE 125
BOCA RATON, FLORIDA 33431
TEL (561) 750-3717
CONTACT: HOWARD DIECHERT, P.E.





A. GRANT THORNBOROUGH & ASSOCIATES 132 N. SWINTON AVE. DELRAY BEACH, FLORIDA 33444 TEL (561) 276-8777 CONTACT: A. GRANT THORNBOROUGH A.S.L.A.

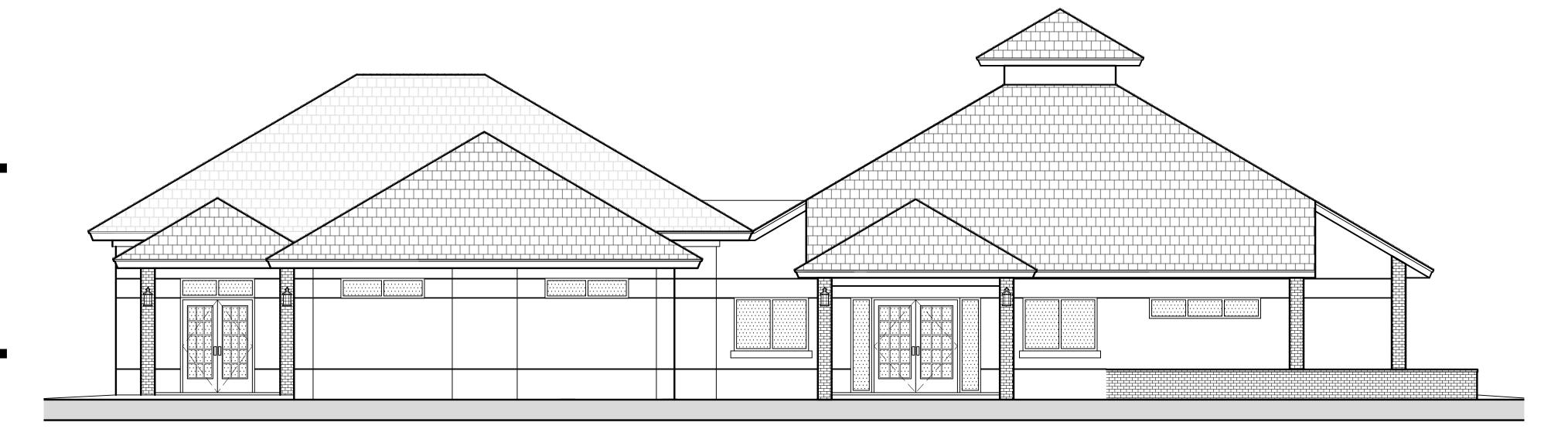
### INTERIOR DESIGNER

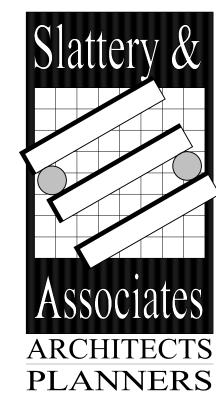
WELLS DESIGN GROUP 551 N.W. 77TH ST., SUITE 107 BOCA RATON, FLORIDA 33487 TEL (561) 998-4851 CONTACT: SUSAN WELZIEN, PRESIDENT

### PROPOSED PROJECT FOR:

### WOODFIELD HUNT CLUB CLUBHOUSE ADDITION & RENOVATIONS

4420 WOODFIELD BLVD. BOCA RATON, FLORIDA





CONSTRUCTION DOCUMENT SET JULY 21, 2016

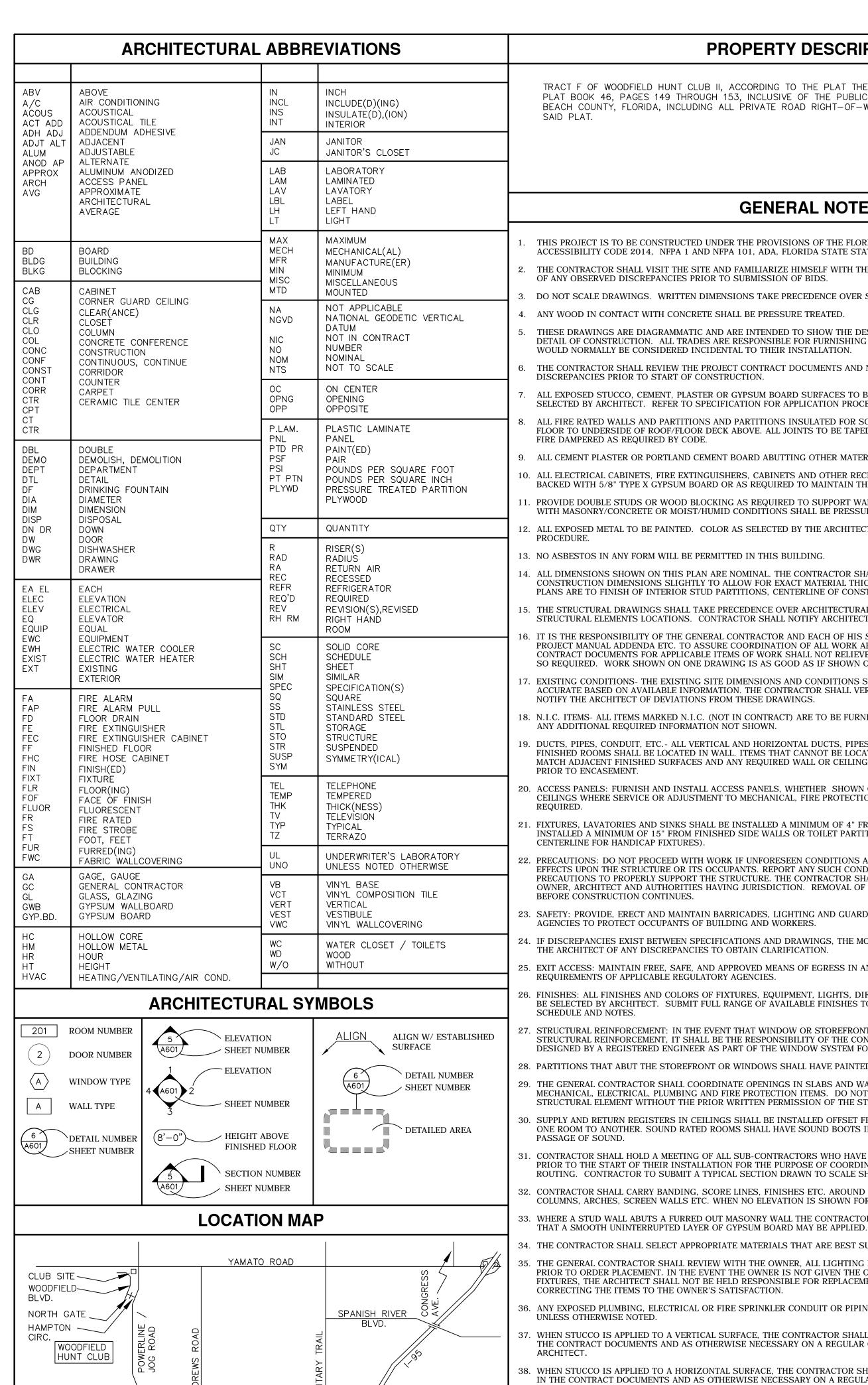
DATE OF

PROJECT TITLE
WOODFIELD H.C.
CLUBHOUSE
RENOVATIONS

PROJECT ADDRESS

4420 WOODFIELD BLVD.
BOCA RATON, FLORIDA

PROJECT NUMBER



GLADES ROAD

PROPERTY DESCRIPTION				
LUB II, ACCORDING TO THE PLAT THEREOF, RECORDED IN				

TRACT F OF WOODFIELD HUNT CLU PLAT BOOK 46, PAGES 149 THROUGH 153, INCLUSIVE OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, INCLUDING ALL PRIVATE ROAD RIGHT-OF-WAYS AS SHOWN IN

### **GENERAL NOTES**

- THIS PROJECT IS TO BE CONSTRUCTED UNDER THE PROVISIONS OF THE FLORIDA BUILDING CODE FIFTH EDITION, FLORIDA ACCESSIBILITY CODE 2014, NFPA 1 AND NFPA 101, ADA, FLORIDA STATE STATUTES AND ALL OTHER APPLICABLE CODES.
- THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY OBSERVED DISCREPANCIES PRIOR TO SUBMISSION OF BIDS.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE DIMENSIONS
- ANY WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- THESE DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW THE DESIGN INTENT ONLY. THEY DO NOT SHOW EVERY MINOR DETAIL OF CONSTRUCTION. ALL TRADES ARE RESPONSIBLE FOR FURNISHING COMPLETE BUILDING SYSTEMS AND ALL ITEMS THAT WOULD NORMALLY BE CONSIDERED INCIDENTAL TO THEIR INSTALLATION.
- THE CONTRACTOR SHALL REVIEW THE PROJECT CONTRACT DOCUMENTS AND NOTIFY THE ARCHITECT OF ANY OBSERVED DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
- ALL EXPOSED STUCCO, CEMENT, PLASTER OR GYPSUM BOARD SURFACES TO BE PAINTED UNLESS OTHERWISE NOTED. COLOR TO BE SELECTED BY ARCHITECT. REFER TO SPECIFICATION FOR APPLICATION PROCEDURE.
- ALL FIRE RATED WALLS AND PARTITIONS AND PARTITIONS INSULATED FOR SOUND TRANSMISSION ARE TO RUN CONTINUOUS FROM FLOOR TO UNDERSIDE OF ROOF/FLOOR DECK ABOVE. ALL JOINTS TO BE TAPED AND SPACKLED AND ANY DUCT PENETRATIONS TO BE FIRE DAMPERED AS REQUIRED BY CODE.
- 9. ALL CEMENT PLASTER OR PORTLAND CEMENT BOARD ABUTTING OTHER MATERIAL TO BE FINISHED WITH METAL EDGE STRIPS.
- 10. ALL ELECTRICAL CABINETS. FIRE EXTINGUISHERS. CABINETS AND OTHER RECESSED EQUIPMENT IN FIRE RATED WALLS SHALL BE BACKED WITH 5/8" TYPE X GYPSUM BOARD OR AS REQUIRED TO MAINTAIN THE RATING.
- 11. PROVIDE DOUBLE STUDS OR WOOD BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED EQUIPMENT. BLOCKING IN CONTACT WITH MASONRY/CONCRETE OR MOIST/HUMID CONDITIONS SHALL BE PRESSURE TREATED.
- 12. ALL EXPOSED METAL TO BE PAINTED. COLOR AS SELECTED BY THE ARCHITECT. REFER TO SPECIFICATION FOR APPLICATION
- 13. NO ASBESTOS IN ANY FORM WILL BE PERMITTED IN THIS BUILDING.
- 14. ALL DIMENSIONS SHOWN ON THIS PLAN ARE NOMINAL. THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST ACTUAL CONSTRUCTION DIMENSIONS SLIGHTLY TO ALLOW FOR EXACT MATERIAL THICKNESS AND REQUIRED CLEARANCE. DIMENSIONS ON PLANS ARE TO FINISH OF INTERIOR STUD PARTITIONS, CENTERLINE OF CONSTRUCTION LINES, AND FACE OF MASONRY.
- 15. THE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ARCHITECTURAL DRAWINGS WITH RESPECT TO COLUMN AND STRUCTURAL ELEMENTS LOCATIONS. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPENCIES.
- 6. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND EACH OF HIS SUBCONTRACTORS TO REVIEW ALL DRAWINGS, PROJECT MANUAL ADDENDA ETC. TO ASSURE COORDINATION OF ALL WORK AFFECTING EACH TRADE. FAILURE TO REVIEW ALL CONTRACT DOCUMENTS FOR APPLICABLE ITEMS OF WORK SHALL NOT RELIEVE THE RESPONSIBLE PARTY FROM PERFORMING WORK SO REQUIRED. WORK SHOWN ON ONE DRAWING IS AS GOOD AS IF SHOWN ON EVERY DRAWING.
- 17. EXISTING CONDITIONS- THE EXISTING SITE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS ARE ASSUMED TO BE ACCURATE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON THE JOB SITE AND NOTIFY THE ARCHITECT OF DEVIATIONS FROM THESE DRAWINGS.
- 18. N.I.C. ITEMS- ALL ITEMS MARKED N.I.C. (NOT IN CONTRACT) ARE TO BE FURNISHED BY THE OWNER. CONSULT THE ARCHITECT FOR ANY ADDITIONAL REQUIRED INFORMATION NOT SHOWN.
- 19. DUCTS, PIPES, CONDUIT, ETC.- ALL VERTICAL AND HORIZONTAL DUCTS, PIPES, CONDUIT, ETC. (WHETHER SHOWN OR NOT) IN FINISHED ROOMS SHALL BE LOCATED IN WALL. ITEMS THAT CANNOT BE LOCATED IN WALL SHALL BE FURRED IN AND FINISHED TO MATCH ADJACENT FINISHED SURFACES AND ANY REQUIRED WALL OR CEILING RATINGS. VERIFY ACCEPTABILITY WITH ARCHITECT
- 20. ACCESS PANELS: FURNISH AND INSTALL ACCESS PANELS, WHETHER, SHOWN OR NOT, IN WALLS AND NON-ACCESSIRLE TYPE CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, FIRE PROTECTION, PLUMBING, OR ELECTRICAL EQUIPMENT IS
- 21. FIXTURES, LAVATORIES AND SINKS SHALL BE INSTALLED A MINIMUM OF 4" FROM FINISHED SIDE WALLS. WATER CLOSETS SHALL BE INSTALLED A MINIMUM OF 15" FROM FINISHED SIDE WALLS OR TOILET PARTITIONS TO CENTERLINE OF FIXTURE (18" TO CENTERLINE FOR HANDICAP FIXTURES).
- 22. PRECAUTIONS: DO NOT PROCEED WITH WORK IF UNFORESEEN CONDITIONS ARE DISCOVERED WHICH COULD CAUSE ADVERSE EFFECTS UPON THE STRUCTURE OR ITS OCCUPANTS. REPORT ANY SUCH CONDITION IMMEDIATELY TO THE ARCHITECT. TAKE PRECAUTIONS TO PROPERLY SUPPORT THE STRUCTURE. THE CONTRACTOR SHALL REPORT ALL TOXIC MATERIALS LOCATED TO OWNER, ARCHITECT AND AUTHORITIES HAVING JURISDICTION. REMOVAL OF MATERIAL WILL BE COMPLETED PER APPROVED MEANS
- 23. SAFETY: PROVIDE, ERECT AND MAINTAIN BARRICADES, LIGHTING AND GUARDRAILS AS REQUIRED BY APPLICABLE REGULATORY AGENCIES TO PROTECT OCCUPANTS OF BUILDING AND WORKERS.
- 24. IF DISCREPANCIES EXIST BETWEEN SPECIFICATIONS AND DRAWINGS, THE MORE STRINGENT REQUIREMENT SHALL PREVAIL. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES TO OBTAIN CLARIFICATION.
- 25. EXIT ACCESS: MAINTAIN FREE, SAFE, AND APPROVED MEANS OF EGRESS IN AND OUT OF PROJECT LOCATION IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE REGULATORY AGENCIES.
- 26. FINISHES: ALL FINISHES AND COLORS OF FIXTURES, EQUIPMENT, LIGHTS, DIFFUSERS, SINKS, PAINT, WALLCOVERINGS, ETC. SHALL BE SELECTED BY ARCHITECT. SUBMIT FULL RANGE OF AVAILABLE FINISHES TO ARCHITECT FOR SELECTION. REFER TO FINISH
- 7. STRUCTURAL REINFORCEMENT: IN THE EVENT THAT WINDOW OR STOREFRONT SIZES DICTATE THE NEED FOR ADDITIONAL STRUCTURAL REINFORCEMENT, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SUCH REINFORCEMENT DESIGNED BY A REGISTERED ENGINEER AS PART OF THE WINDOW SYSTEM FOR NO ADDITIONAL COST.
- 28. PARTITIONS THAT ABUT THE STOREFRONT OR WINDOWS SHALL HAVE PAINTED ALUMINUM END CLOSURE
- 29. THE GENERAL CONTRACTOR SHALL COORDINATE OPENINGS IN SLABS AND WALLS AS REQUIRED FOR THE INSTALLATION OF MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION ITEMS. DO NOT CUT CONCRETE COLUMNS, BEAMS, OR OTHER STRUCTURAL ELEMENT WITHOUT THE PRIOR WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER OF RECORD.
- 30. SUPPLY AND RETURN REGISTERS IN CEILINGS SHALL BE INSTALLED OFFSET FROM ONE ANOTHER TO AVOID SOUND PASSAGE FROM ONE ROOM TO ANOTHER. SOUND RATED ROOMS SHALL HAVE SOUND BOOTS INSTALLED IN THE DUCTWORK TO RESTRICT THE
- 1. CONTRACTOR SHALL HOLD A MEETING OF ALL SUB-CONTRACTORS WHO HAVE WORK THAT IS TO BE INSTALLED ABOVE THE CEILING PRIOR TO THE START OF THEIR INSTALLATION FOR THE PURPOSE OF COORDINATING NECESSARY CLEARANCES AND PROPER ROUTING. CONTRACTOR TO SUBMIT A TYPICAL SECTION DRAWN TO SCALE SHOWING THE ASSIGNED LAYERING.
- 32. CONTRACTOR SHALL CARRY BANDING. SCORE LINES, FINISHES ETC. AROUND EXTERIOR ARCHITECTURAL ELEMENTS SUCH AS COLUMNS, ARCHES, SCREEN WALLS ETC. WHEN NO ELEVATION IS SHOWN FOR THOSE SIDE OR REAR ELEVATIONS.
- 33. WHERE A STUD WALL ABUTS A FURRED OUT MASONRY WALL THE CONTRACTOR SHALL HOLD THE FACE OF THE FURRING STRIP, SO
- 34. THE CONTRACTOR SHALL SELECT APPROPRIATE MATERIALS THAT ARE BEST SUITED FOR THEIR INTENDED USE.
- THE GENERAL CONTRACTOR SHALL REVIEW WITH THE OWNER, ALL LIGHTING FIXTURES, PLUMBING FIXTURES AND DOOR HARDWARE PRIOR TO ORDER PLACEMENT. IN THE EVENT THE OWNER IS NOT GIVEN THE OPPORTUNITY TO REVIEW AND APPROVE SAID FIXTURES, THE ARCHITECT SHALL NOT BE HELD RESPONSIBLE FOR REPLACEMENT, RETURN OR RESTOCKING FEES ASSOCIATED WITH CORRECTING THE ITEMS TO THE OWNER'S SATISFACTION.
- 36. ANY EXPOSED PLUMBING, ELECTRICAL OR FIRE SPRINKLER CONDUIT OR PIPING SHALL BE PAINTED TO MATCH ADJACENT SURFACES
- WHEN STUCCO IS APPLIED TO A VERTICAL SURFACE, THE CONTRACTOR SHALL INSTALL STUCCO CONTROL JOINTS AS INDICATED IN THE CONTRACT DOCUMENTS AND AS OTHERWISE NECESSARY ON A REGULAR GRID NOT EXCEEDING 140 SF, AS APPROVED BY THE
- 38. WHEN STUCCO IS APPLIED TO A HORIZONTAL SURFACE, THE CONTRACTOR SHALL INSTALL STUCCO CONTROL JOINTS AS INDICATED IN THE CONTRACT DOCUMENTS AND AS OTHERWISE NECESSARY ON A REGULAR GRID NOT EXCEEDING 100 SF, AS APPROVED BY THE
- 39. THE ARCHITECTURAL DRAWINGS ARE PART OF THE CONTRACT DOCUMENTS AND DO NOT, BY THEMSELVES, PROVIDE ALL THE INFORMATION REQUIRED TO PROPERLY CONSTRUCT THE PROJECT. THE GENERAL CONTRACTOR SHALL CONSULT THE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, CIVIL, LANDSCAPING, AND SPECIALTY CONSULTANT'S DRAWINGS AND COORDINATE THE INFORMATION CONTAINED IN THOSE DRAWINGS WITH THE ARCHITECTURAL DRAWINGS TO PROPERLY CONSTRUCT THE PROJECT. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL FOR ADDITIONAL OPENINGS, DEPRESSIONS, PENETRATIONS, INSERTS, DRAINS, ETC. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, BEFORE PROCEEDING WITH ANY WORK. THIS COORDINATION IS THE CONTRACTORS RESPONSIBILITY, AND NO EXTRA COMPENSATION WILL BE ALLOWED RESULTING FROM THE CONTRACTORS FAILURE TO COMPLY WITH THESE REQUIREMENTS.

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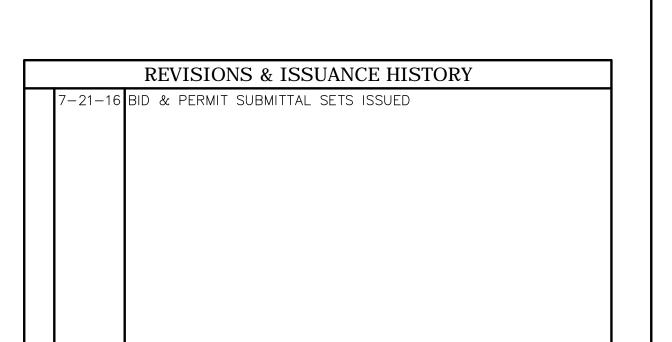
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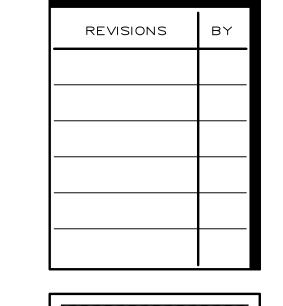
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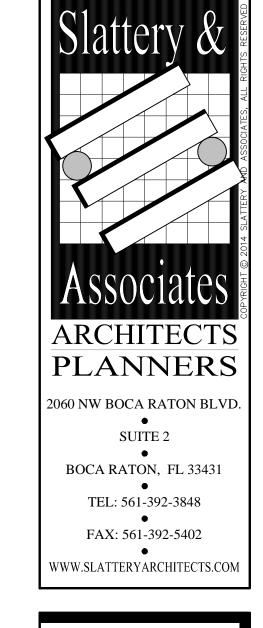
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(CONTRA	ACTED DIRECTLY BY THE OWNER UND	ER SEPARATE COVER
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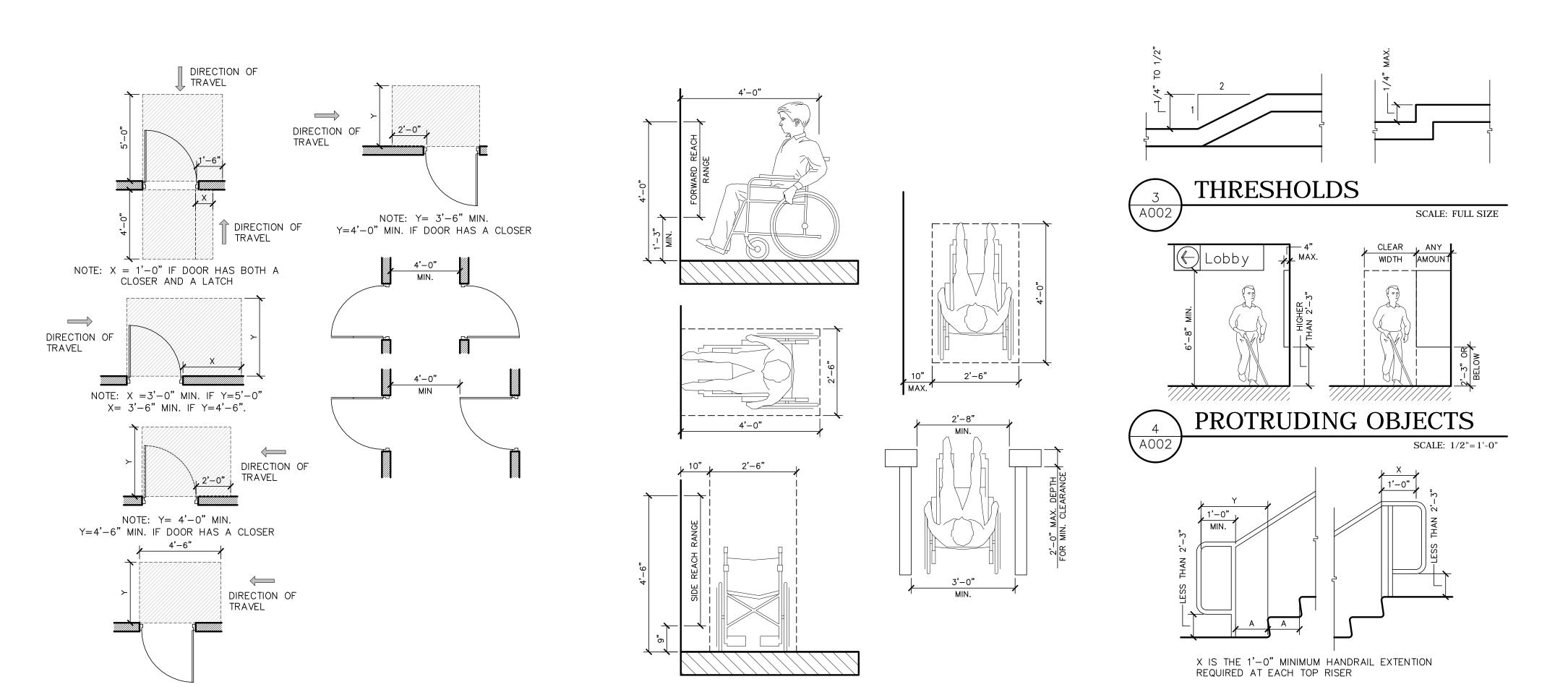




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SLATTERY & ASSOCIATES FLORIDA REGISTRATION # AA00033

CR, DR CHECKED CR DATE 7-21-16 0 AS NOTED 2014-33 GENER/



REACH RANGES

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

FLOOR

SPACE

CLEAR

FLOOR

SPACE

MIN.

SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

(NOT USED) SCALE: 1/2"=1'-0"

### **DISABLED ACCESS NOTES**

1. IN BUILDINGS AND FACILITIES, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS OR SPECIAL ACCESS

2. FLOOR SURFACES SHALL BE SLIP-RESISTANT.

3. EVERY CORRIDOR AND AISLE SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE NOT LESS THAN 44" IN WIDTH.

4. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2" IN HEIGHT. LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. BEVEL OTHERS WITH A SLOPE NO GREATER THAN

5. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. MOUNT DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE FLOOR FINISH.

6. CENTER HAND ACTIVATED DOOR OPENING HARDWARE BETWEEN 30" AND 44" ABOVE THE FLOOR.

7. MAXIMUM PULL OR PUSH EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8.5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT CENTER PLANE OF SLIDING OR FOLDING DOORS. CORRESPONDING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. MAXIMUM EFFORT TO OPERATE REQUIRED FIRE DOORS MAY BE INCREASED NOT TO EXCEED

8. THE BOTTOM 10" OF ALL DOORS (EXCEPT SLIDING AND AUTOMATIC) SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. PROVIDE A 10" HIGH SMOOTH PANEL ON THE PUSH SIDE OF NARROW FRAME DOORS.

9. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE DOORWAY IS NOT LESS

10. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.

11. IDENTIFY ACCESSIBLE ENTRANCES WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS.

12. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 44" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.

13. FLOORS OR LANDINGS SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

14. TO ALERT THE VISUALLY IMPAIRED, MARK THE UPPER APPROACH AND THE LOWER TREAD OF EACH INTERIOR STAIR WITH A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" WIDE, PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR LANDING. THE STRIP SHALL BE OF A MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR.

15. ENTRY TO SANITARY FACILITIES: A. 44" CLEAR AISLES OR CORRIDORS WHERE OCCUPANT

LOAD IS 10 OR MORE. B. DOORWAYS TO HAVE A 32" CLEAR OPENING. C. ON APPROACH SIDE, PROVIDE A 60" CLEAR LEVEL SPACE WHEN DOOR SWINGS TOWARD APPROACH AND 44" SPACE WHEN DOOR SWINGS AWAY FROM APPROACH.

16. MOUNT FLUSH VALVE CONTROL NO MORE THAN 44" ABOVE THE FLOOR, ON THE SIDE OF THE TOILET WITH THE GREATEST SEPARATION FROM ADJACENT WALL OR OTHER SURFACE.

17. PROVIDE GRAB BARS ON EACH SIDE, OR ONE SIDE AND BACK OF WATER CLOSET.

A. GRAB BARS TO BE 33" ABOVE AND PARALLEL TO THE FLOOR. B. SIDE BARS TO BE 42" LONG AND PROJECT 24" IN FRONT OF WATER CLOSET STOOL. GRAB BAR AT BACK TO BE 36" LONG. C. DIAMETER OF GRAB BARS TO BE 1-1/4" TO 1-1/2". D. PROVIDE 1-1/2" CLEARANCE BETWEEN GRAB BARS AND

E. GRAB BARS (INCLUDING CONNECTORS, FASTENERS, SUPPORT BACKING, ETC.) SHALL SUPPORT A 250 POUND LOAD. F. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. G. GRAB BARS AND ANY ADJACENT SURFACE SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. H. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8".

18. PROVIDE A CLEAR FLOOR SPACE 30"x48" IN FRONT OF LAVATORY TO PERMIT A FORWARD APPROACH.

19. MOUNT LAVATORIES WITH A MINIMUM CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON. PROVIDE KNEE CLEARANCE UNDER THE FRONT LIP EXTENDING A MINIMUM OF 30" IN WIDTH WITH 8" MINIMUM WIDTH, AND SHALL BE A MINIMUM OF 9" HIGH FROM THE FLOOR AND A MINIMUM OF 17" DEEP FROM THE FRONT OF THE LAVATORY.

20. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

21. INSULATE OR OTHERWISE COVER HOT WATER AND DRAIN PIPES UNDER LAVATORIES.

22. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

REVISIONS



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### WOODFIELD

SLATTERY & ASSOCIATES LORIDA REGISTRATION # AA000338

### CR, DR CHECKED CR DATE 7-21-16 AS NOTED 2014-33

DRINKING FOUNTAIN

NOTE: Y = 3' - 6'' MIN.

Y=4'-0" MIN. IF DOOR HAS A CLOSER

INSULATE HOT WATER

PIPES AND DRAIN TO

LINE OF REQUIRED -

PREVENT CONTACT

CLEARANCE

**CLEARANCES** 

KNEE CLEARANCE

KNEE CLEARANCE / // / TOE CLEARNACE

DRINKING FOUNTAIN PROVIDED THE DISPENSER IS LESS THAN 48" A.F.F.

NOTE: A BOTTLED WATER MACHINE WITH SERVICE CONTRACT MAY BE SUBSTITUTED FOR A REQUIRED

SINK OR VANITY

EQUIPMENT PERMITTED IN

SHADED AREA

, 1'−5" MIN.

ACCESSIBLE TOILET FIXTURES

42" MIN.

30x48 C.F.S. ─

60X60 C.F.S.

5'-0" DIAM.

-CLEARANCE

TURNAROUND

MIN.

TO FACE OF LAV.

SCALE: 1/2"=1'-0"

Y IS THE MINIMUM HANDRAIL EXTENTION OF

IS REQUIRED AT EACH BOTTOM RISER.

MAX.

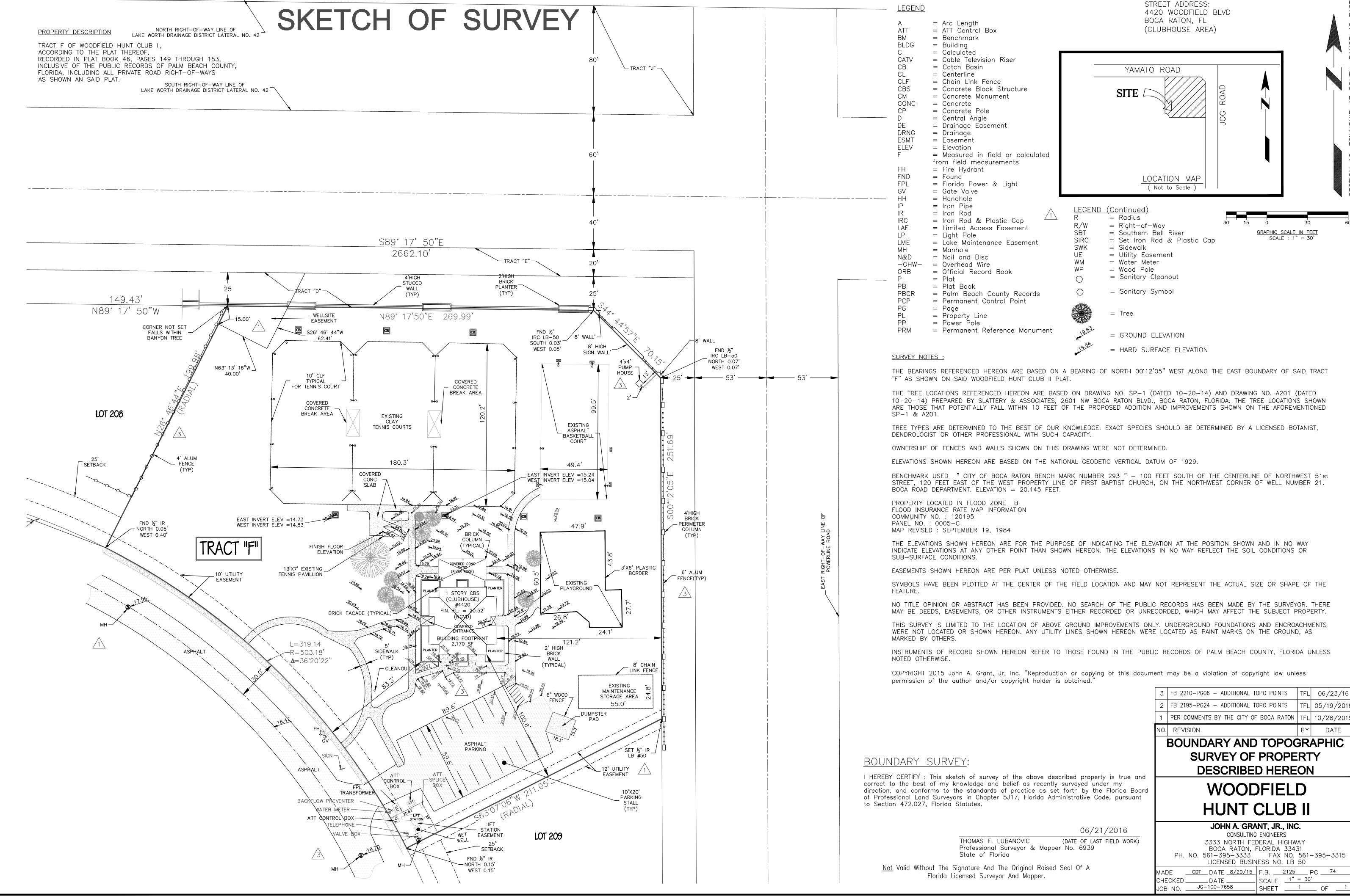
SCALE: 1/2"=1'-0"

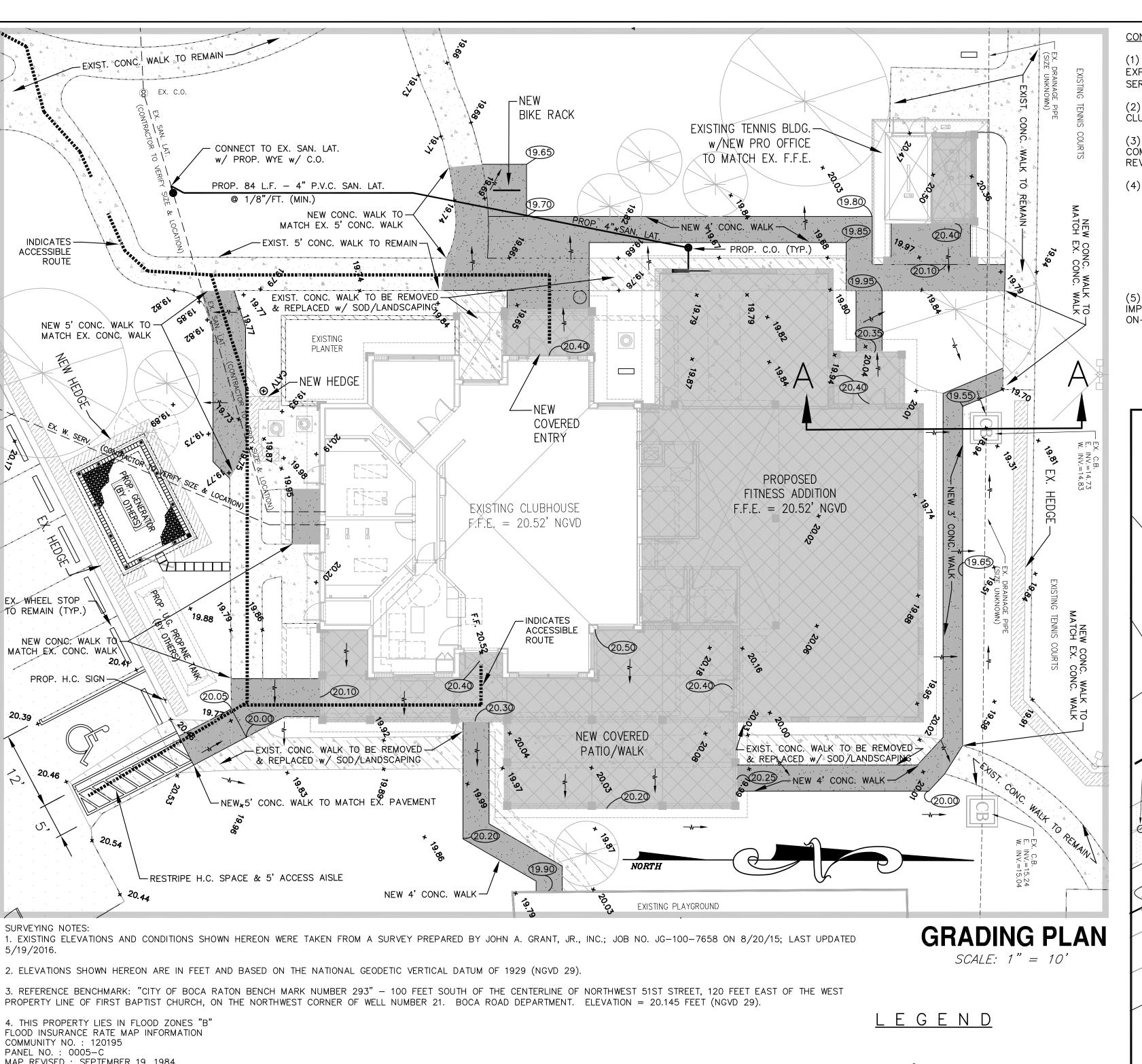
1'-0" PLUS THE WIDTH OF ONE TREAD THAT

HANDRAIL EXTENSION

SCALE: 1/2"=1'-0"

OM





MAP REVISED: SEPTEMBER 19, 1984

### NOTES TO CONTRACTOR:

. EXISTING UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN.

2. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL INSTALLATIONS SHALL BE MADE IN SUCH A MANNER AS NOT TO INTERFERE WITH EXISTING OR NEW UTILITIES, DRAINAGE OR ROADWAY CONSTRUCTION. IF AN EXISTING FACILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE CONFLICT.

3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES AND UTILITIES, ANY DAMAGE DONE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE SUBJECT UTILITY. CALL "SUNSHINE" (1-800-432-4770) 48 HOURS BEFORE DIGGING.

4. THE CONTRACTOR SHALL MAINTAIN AND ADJUST ALL EXISTING MANHOLE COVERS, HANDHOLE BOXES, METER BOXES AND VALVE BOXES TO FINISHED GRADE AS REQUIRED.

5. ALL ACCESSIBLE ROUTES SHALL NOT EXCEED A SLOPE OF 1:20 (5%) AND CURB CUT RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33%). RAMPS THAT EXCEED 6 FEET IN LENGTH REQUIRE HANDRAILS. ALL CROSS SLOPES SHALL NOT EXCEED A SLOPE OF 1:50 (2%).

### **ENVIRONMENTAL NOTES:**

I. ALL CONSTRUCTION ACTIVITY, INCLUDING TRENCHING, IS TO BE A MINIMUM OF SIX FEET FROM THE BASE OF ANY TREE THAT IS DESIGNATED TO REMAIN PER CODE SECTION 27-45.

2. ALL TREES PLANTED IN ISLANDS CONTAINING HYDRANTS OR FDCs MUST COMPLY WITH FLORIDA FIRE PREVENTION CODE 18.3.4.1 - CLEARANCE OF 7'-6" IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT, WITH A 4' CLEARANCE TO THE REAR OF THE HYDRANT.

3. METERS SHALL HAVE AT LEAST 3' OF UNOBSTRUCTED ACCESS TO AND VIEW OF THE MANHOLE OR METER FROM THE PUBLIC RIGHT—OF—WAY AND AT LEAST 5 OF VERTICAL CLEARANCE ABOVE THE MANHOLE OR METER PIT.

4. ALL LIMEROCK AND BASE MATERIALS SHALL BE REMOVED FROM THE PLANTER AREAS/ISLANDS AND REPLACED WITH APPROPRIATE PLANTING SOIL PRIOR TO THE LANDSCAPING OF THE SITE.

5. THE REMOVAL OF ANY TREE ON THE SITE IS PROHIBITED WITHOUT THE REQUIRED CITY OF BOCA RATON PERMIT. ANY SITE WORK MUST BE DONE UNDER AN ENVIRONMENTAL PERMIT PER CITY OF BOCA RATON CODE OF ORDINANCES.

6. PLEASE CONSIDER THE MATURE SIZE OF TREES WHEN PLANNING LIGHTING POLES. SHORTER POLES MAY NEED TO BE INSTALLED AT CLOSER SPACING IN ORDER TO KEEP THE TREE CANOPY FROM BLOCKING THE LIGHT SOURCE

### **CONDITIONS OF APPROVAL:**

249.15
EXISTING GRADE

→ DIRECTION OF FLOW

EXISTING ASPHALT TO REMAIN

PROPOSED CONCRETE

EXISTING CONCRETE TO REMAIN

PROPOSED BUILDING ADDITION

EXISTING CONCRETE TO BE REMOVED

-20.20 PROPOSED GRADE

F.H. FIRE HYDRANT

C.B. CATCH BASIN

C.I. CURB INLET

U.E. UTILITY EASEMENT

D.I.P. DUCTILE IRON PIPE

P.V.C. POLYVINYL CHLORIDE

C.A.P. CORRUGATED ALUMINUM PIPE

C.P.P. CORRUGATED POLYETHYLENE PIPE

D.D.C.V. DOUBLE DETECTOR CHECK VALVE

C.O. CLEANOUT

M.H. MANHOLE

(1) THIS APPROVAL IS BASED ON A SITE PLAN ENTITLED "WOODFIELD HUNT CLUB CLUBHOUSE RENOVATON AND EXPANSION" SUBMITTED BY SLATTERY & ASSOCIATES, INC., DATE STAMPED RECEIVED BY THE DEVELOPMENT SERVICES DEPARTMENT ON JANUARY 21, 2016 ("AMENDMENT TO THE SITE PLAN").

(2) THE CLUBHOUSE SHALL NOT BE OPEN TO THE GENERAL PUBLIC AND IS FOR THE USE OF WOODFIELD HUNT CLUB RESIDENTS AND THEIR GUESTS ONLY.

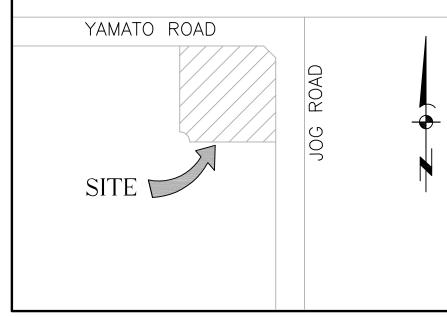
(3) THE PLANS AND DRAWINGS MAY BE MODIFIED AS REQUIRED BY THE CODE OF ORDINANCES OR BY THE COMMUNITY APPEARANCE BOARD ACTING WITHIN THE SCOPE OF ITS POWERS AND DUTIES WHICH ARE LIMITED TO REVIEW OF THE BUILDING PERMIT APPLICATION FOR CONSISTENCY WITH THE APPROVED PLANS.

### (4) PRIOR TO ISSUANCE OF THE MAIN USE BUILDING PERMIT. THE OWNER SHALL:

(a) SUBMIT WATER, SEWER, PAVING AND DRAINAGE PLANS FOR ON-SITE AND OFF-SITE IMPROVEMENTS WHICH SHALL BE REVIEWED AND APPROVED BY CITY STAFF RESPONSIBLE FOR PUBLIC WORKS REVIEW AND OTHER REQUIRED GOVERNMENTAL AGENCIES.

(b) PROVIDE A LETTER OF CREDIT OR CASH BOND, IN A FORM ACCEPTABLE TO THE CITY ATTORNEY, IN AN AMOUNT EQUAL TO 110% OF THE COST OF CONSTRUCTION, FOR ALL OFF-SITE CONSTRUCTION ACTIVITY AND CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY.

(5) PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY/COMPLETION, THE OWNER SHALL COMPLETE ALL IMPROVEMENTS SHOWN ON THE APPROVED PUBLIC WORKS REVIEW PLANS, INCLUDING BOTH OFF-SITE AND ON-SITE IMPROVMENTS SHALL BE CONSTRUCTED AND ACCEPTED BY THE CITY.

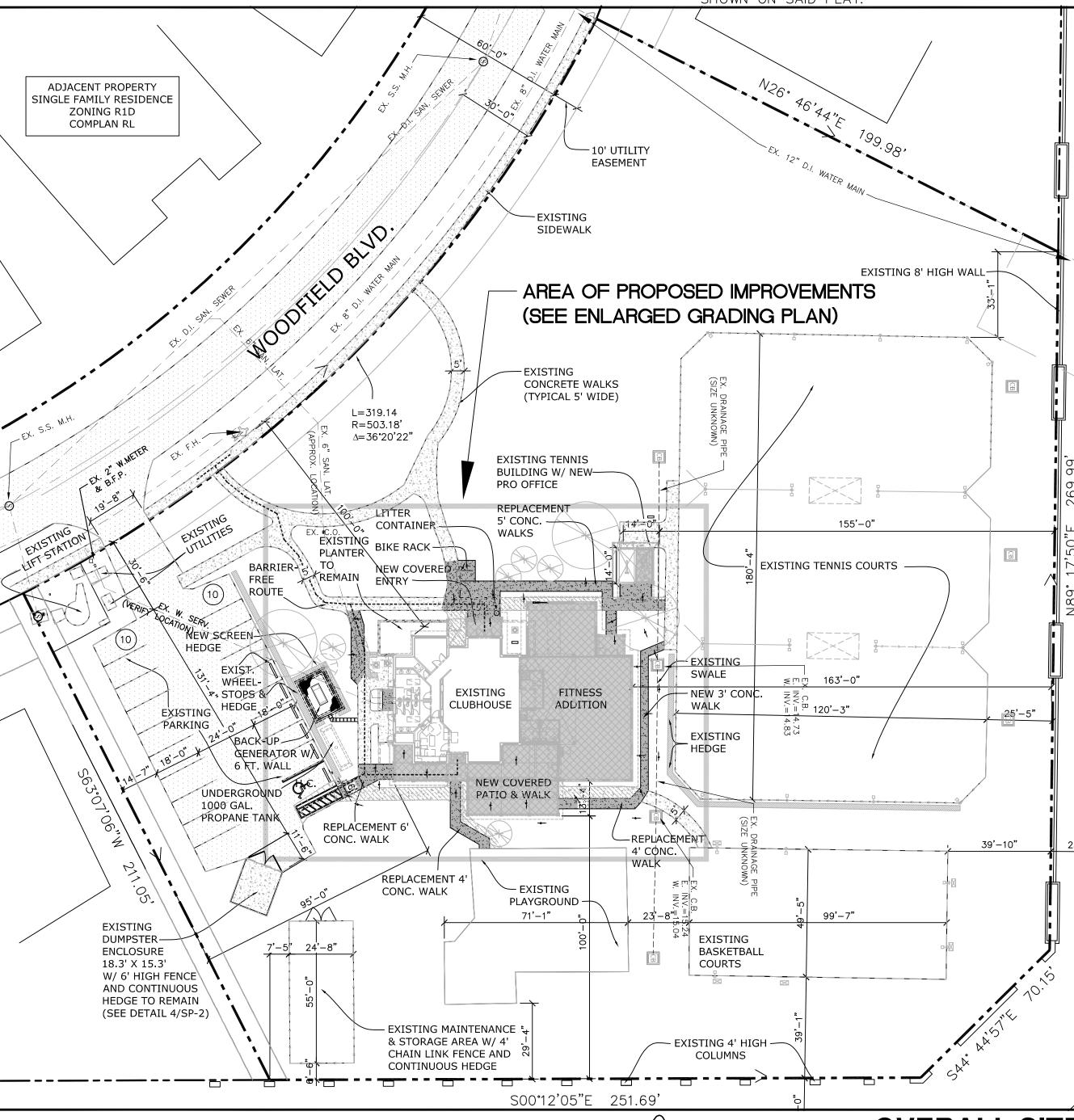


### LOCATION SKETCH SECTION 10, TOWNSHIP 47S, RANGE 42E

N.T.S.

### PROPERTY DESCRIPTION

TRACT F OF WOODFIELD HUNT CLUB II, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 46, PAGES 149 THROUGH 153, INCLUSIVE OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, INCLUDING ALL PRIVATE ROAD RIGHT-OF-WAYS AS SHOWN ON SAID PLAT.



SCALE: VARIES **DATE:** 6-2-16 DWN. BY: S.T. CHK. BY: N.B.J

JOB NO.: 2121 - 15

DCES

TION

ODFIELD

05

SHEET: C-1 OF 2

48 HOURS BEFORE DIGGING

ST. LUCIE • MARTIN COUNTIES 1-800-432-4770 FOR UNDERGROUND UTILITIES NOTIFICATION AND LOCATION

BROWARD . PALM BEACH . INDIAN RIVER .

DISCLAIMER: INFORMATION SHOWN ON THIS PLANB AND IS NOT TO BE USED N LIEU OF a horizontal control p<mark>l</mark>an

IS A GRAPHIC REPRESENTATION ONLAPPROVAL. NOT FOR CONSTRUCTION

### GENERAL NOTES

- 1. ALL MATERIAL, INSTALLATION, TESTING AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF BOCA RATON, THE CITY OF BOCA RATON UTILITIES DEPARTMENT AND THE PALM BEACH COUNTY HEALTH DEPARTMENT.
- 2. LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY LOCATION AND DEPTH OF ALL PERTINENT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES AND UTILITIES, ANY DAMAGE DONE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE SUBJECT UTILITY. CALL "SUNSHINE" (1-800-432-4770) 48 HOURS BEFORE DIGGING.
- 3. DUCTILE IRON PIPE AND FITTINGS SHALL CONFORM TO ANSI/AWWA C151/A21.51-O2, AND SHALL BE CEMENT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA C104/A21.4-08. MAINS SHALL BE DESIGNATED AS PRESSURE CLASS 350, PER ANSI/AWWA C150/A21,50-08.
- 4. NO CONNECTION SHALL BE MADE TO EXISTING LINES UNTIL PRESSURE AND BACTERIOLOGICAL TESTS HAVE BEEN PERFORMED AND THE SYSTEM IS ACCEPTABLE TO THE CITY OF BOCA RATON AND THE PALM BEACH COUNTY
- WATER SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE TAKEN ONLY AFTER THE PRESSURE TESTS HAVE BEEN APPROVED BY CITY OF BOCA RATON UTILITIES DEPARTMENT.
- 6. ALL PIPE, FITTINGS, ETC. SHALL BE TESTED UNDER A CONSTANT PRESSURE OF 150 P.S.I. FOR 2 HOURS AND SHALL NOT EXCEED THE LEAKAGE REQUIREMENT AS PER ANSI/AWWA C600-10 STANDARD.

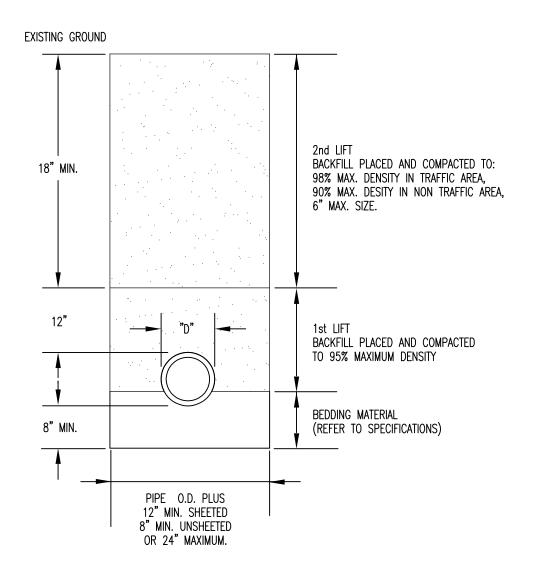
MAXIMUM ALLOWABLE LEAKAGE RATE:

- L= ALLOWABLE LEAKAGE, GALLONS PER HOUR S= LENGTH OF PIPE TEST SECTION, IN FEET D= NOMINAL DIAMETER OF PIPE, IN INCHES P= AVERAGE TEST PRESSURE, IN POUNDS PER SQUARE INCH.
- 7. COMPLIANCE TO THE "TRENCH SAFETY ACT" IS REQUIRED FOR ALL EXCAVATION IN ACCESS OF FIVE FEET DEEP.
- 8. MINIMUM PIPE COVER SHALL BE 30" FOR D.I.P.
- 9. THE WATER SYSTEM SHALL BE CLEANED AND DISINFECTED ACCORDING TO AWWA C651-05.

### 10. WATER MAIN INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 62-555.320 OF THE F.A.C.

11. CONTRACTOR SHALL COORDINATE WITH CITY OF BOCA RATON UTILITY SERVICES AND HAVE A CITY REPRESENTATIVE PRESENT WHEN OPERATING ANY WATER MAIN OR FORCE MAIN VALVES. THE CLOSING OF VALVES THAT INTERRUPT SERVICE TO ADJACENT PROPERTIES MUST BE PRE-APPROVED BY THE CITY OF BOCA RATON UTILITY SERVICES DEPARTMENT.

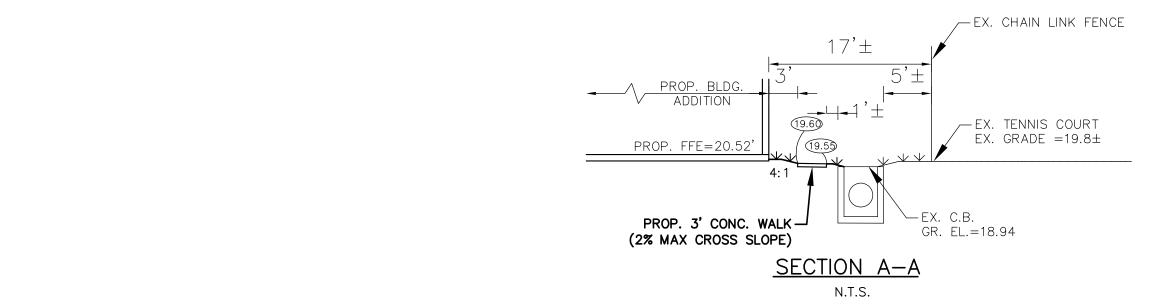
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF WATER MAIN AND FORCE MAIN LINE STOPS TO CONTROL FLOWS DURING CUTTING, PLUGGING, OR ABANDONMENT OF EXISTING MAINS.
- 13. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF BOCA RATON UTILITY SERVICES TWO WEEKS PRIOR TO THE INSTALLATION OF ANY LINE STOPS. THE CITY RESERVES THE RIGHT TO HAVE A REPRESENTATIVE PRESENT DURING THE LINE STOP(S) INSTALLATION.
- 14. CONTRACTOR TO MAINTAIN AND ADJUST ALL EXISTING SANITARY MANHOLE COVERS, WATER METER BOXES AND VALVES BOXES TO FINISHED GRADE.

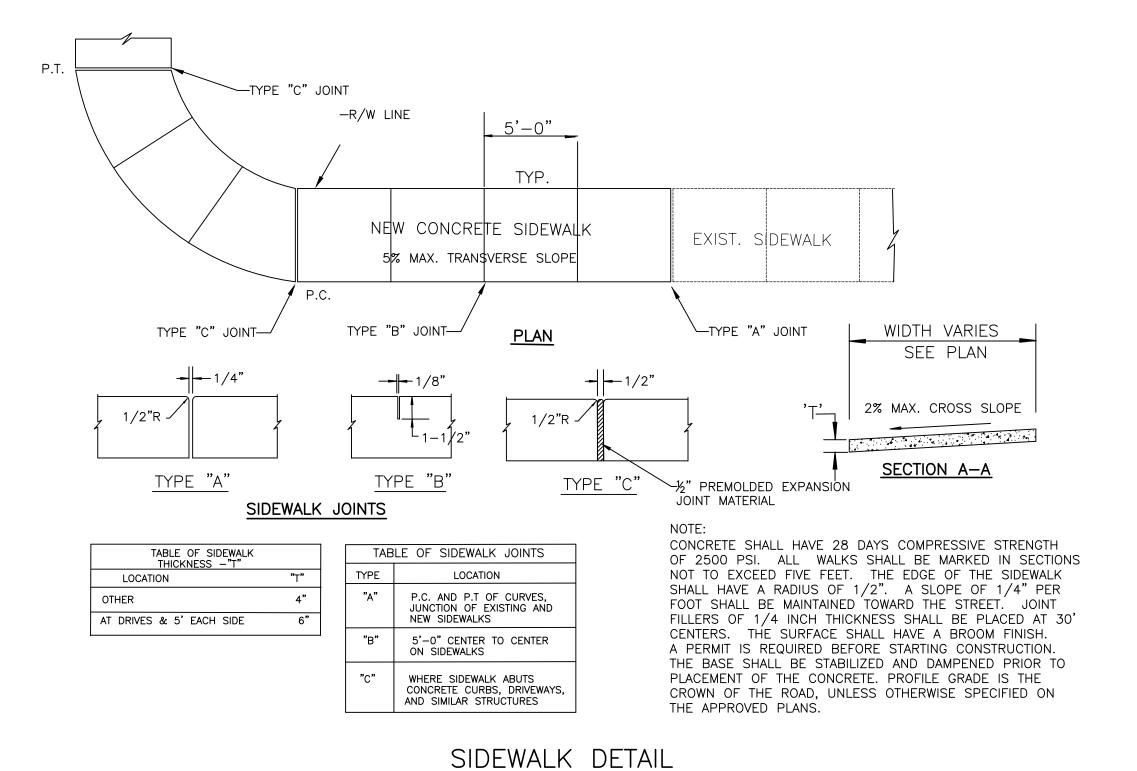


### 1. FOR EXCAVATION AND BACKFILL AROUND MANHOLES, APPURTENANCES, OR IN WATER, REFER TO PROVISIONS WITHIN THE SPECIFICATIONS.

- 2. UNLESS OTHERWISE SPECIFIED, BEDDING MATERAL SHALL CONSIST OF WASHED AND GRADED LIMEROCK (3/8"-7/8").
- 3. WHERE REQUIRED, SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH 4. REFER TO SPECIFICATIONS FOR EXCAVATION IN MUCK OR OTHER UNSUITABLE

TYPICAL TRENCH EXCAVATION





N.T.S.

### GENERAL NOTES:

1. ALL MATERIAL, INSTALLATION, TESTING AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF BOCA RATON STANDARDS AND THE GOVERNING, PERMITTING AND LICENSING AGENCIES WHERE APPLICABLE.

2. ALL ELEVATIONS REFER TO N.G.V.D., NATIONAL GEODETIC VERTICAL DATUM.

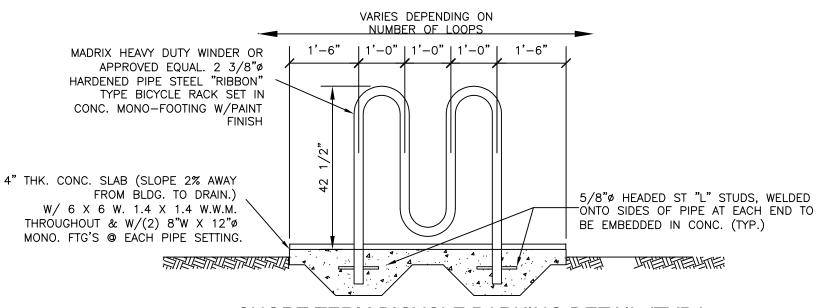
3. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES AND UTILITIES. ANY DAMAGE DONE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE SUBJECT UTILITY. CALL "SUNSHINE" (1-800-432-4770) 48 HOURS BEFORE DIGGING.

4. LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON PLANS HAVE BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE LOCATION AND DEPTH OF ALL PERTINENT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.

5. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ALL INSTALLATIONS SHALL BE MADE IN SUCH A MANNER AS TO NOT INTERFERE WITH EXISTING OR NEW UTILITIES, DRAINAGE, OR ROADWAY CONSTRUCTION.

6. EXCAVATION SHALL BE SLOPED OR OTHERWISE SUPPORTED IN A SAFE MANNER IN ACCORDANCE WITH APPLICABLE STATE SAFETY REQUIREMENTS AND REQUIREMENTS OF OSHA SAFETY AND HEALTH STANDARD FOR CONSTRUCTION (29 CFR 1926).

7. PRIOR TO THE CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD FOR THE FOLLOWING: MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES, PIPE MATERIAL AND ALL REQUIRED ACCESSORIES FOR FIRE, WATER, STORM & SANITARY SEWER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY APPROVALS, IF REQUIRED.



SHORT TERM BICYCLE PARKING DETAIL (TYP.) AN APPROVED LIST OF BICYCLE PARKING DEVICES MAINTAINED BY THE MUNICIPAL SERVICES DEPARTMENT. (A) ALL SHORT TERM BICYCLE PARKING SPACES SHALL INCLUDE A STATIONARY PARKING DEVICE ON A ALTERNATIVE BICYCLE PARKING DEVICES MAY BE USED CONCRETE SURFACE WHICH ADEQUATELY SUPPORTS IF ESTABLISHED AS AN APPROVED EQUIVALENT IN THE BICYCLE AND MUST HOLD AT LEAST 180 FUNCTION, QUALITY AND CONSTRUCTION. DEGREES OF THE WHEEL ARC. (B) ALL LONG TERM FACILITIES SHALL CONSIST OF A (F) FIXED OBJECTS WHICH ARE INTENDED TO SERVE AS BICYCLE PARKING FACILITIES SHALL BE CLEARLY FULLY ENCLOSED LOCKABLE SPACE ACCESSIBLE LABELED AS AVAILABLE BICYCLE PARKING. ONLY TO OWNER/OPERATOR OF THE BICYCLE, OR (G) BICYCLE PARKING SHALL BE CONSISTENT WITH ATTENDANT PARKING WITH A CHECK-IN SYSTEM SURROUNDINGS IN COLOR AND DESIGN AND BE ACCESSIBLE ONLY TO THE ATTENDANT(S), OR A INCORPORATED WHENEVER POSSIBLE INTO BUILDING LOCKED ROOM OR OFFICE INSIDE THE BUILDING. OR STREET FURNITURE DESIGN. (C) WHERE NOT SPECIFIED, EITHER SHORT TERM OR (H) BICYCLE PARKING SHALL BE LOCATED AS NEAR THE LONG TERM PARKING IS PERMISSIBLE. FACH SHORT TERM BICYCLE PARKING SPACE PRINCIPAL ENTRANCE OF THE BUILDING AS PRACTICABL (I) BICYCLE PARKING SHALL BE LOCATED IN A CONVENIENT. SHALL BE A MINIMUM OF TWO FEET WIDE AND HIGHLY VISIBLE, ACTIVE, WELL LIGHTED AREA. SIX FEET LONG, AND SHALL HAVE A MINIMUM OF (J) BICYCLE PARKING SHALL BE LOCATED SO AS NOT TO

BIKE RACK DETAIL

N.T.S.

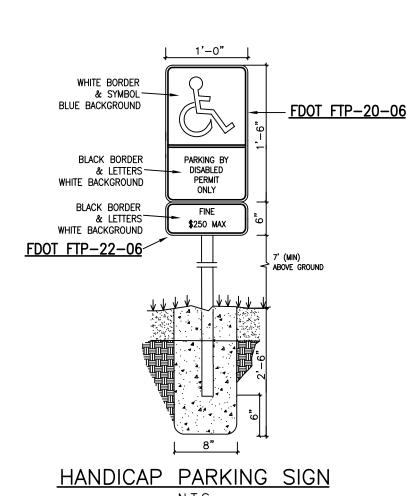
(E) ALL REQUIRED PARKING FACILITIES SHALL BE FROM IMPEDE PEDESTRIAN MOVEMENT.

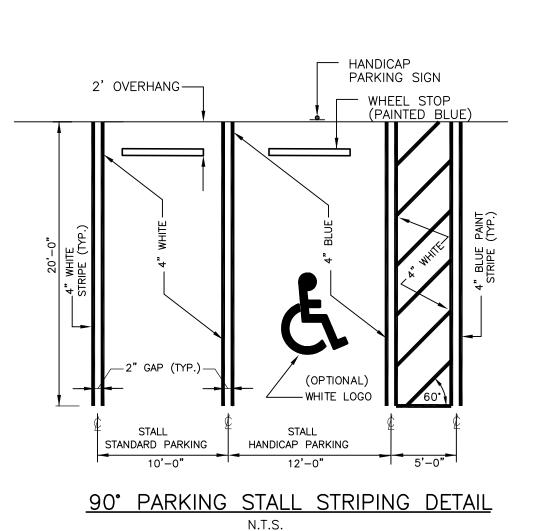
EIGHT FEET OF OVERHEAD CLEARANCE.

### PAVEMENT MARKING AND SIGNING NOTES

1. PAVEMENT MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION "TRAFFIC OPERATIONS STANDARDS" MANUAL AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND CITY OF BOCA RATON TRAFFIC ENGINEERING REQUIREMENTS.

2. ALL PAVEMENT MARKINGS SHALL BE PAINTED UNLESS OTHERWISE NOTED.





THIS PLAN IS FOR REVIEW PURPOSES ONLY AND IS SUBJECT TO GOVERNMENTAL APPROVAL. NOT FOR CONSTRUCTION.

CITY OF BOCA RATON

PROJECT #

NEAL B. JANOV #21998

CLUB HUNT TON AND RENOVATION ODFIELD Ŏ CLUBHO

DCES SCALE: NONE **DATE:** 6-2-16 DWN. BY: S.T. CHK. BY: N.B.J JOB NO.: 2121 - 1

SHEET: C-2 OF 2

NOTE: ALL LETTERS 1" SERIES "C"

INVERTED BRASS CAP SHALL BE USED IN GRASS AREAS LUE OF CASTING AND CONE COLLAR. TYPICAL CLEANOUT DETAIL

∠ 6" X 4" HARCO PVC REDUCER

REQ'D. FOR CONNECTION TO CLAY

SERVICES ONLY. (DONUTS NOT ALLOWED)

PAVED SURFACE —

SEWER

USF No. 7605 OR CDR WA02-1300-15HEX VALVE BOX & HEXAGONAL COVER MARKED 'S'

W/1-#4 EACH SIDE

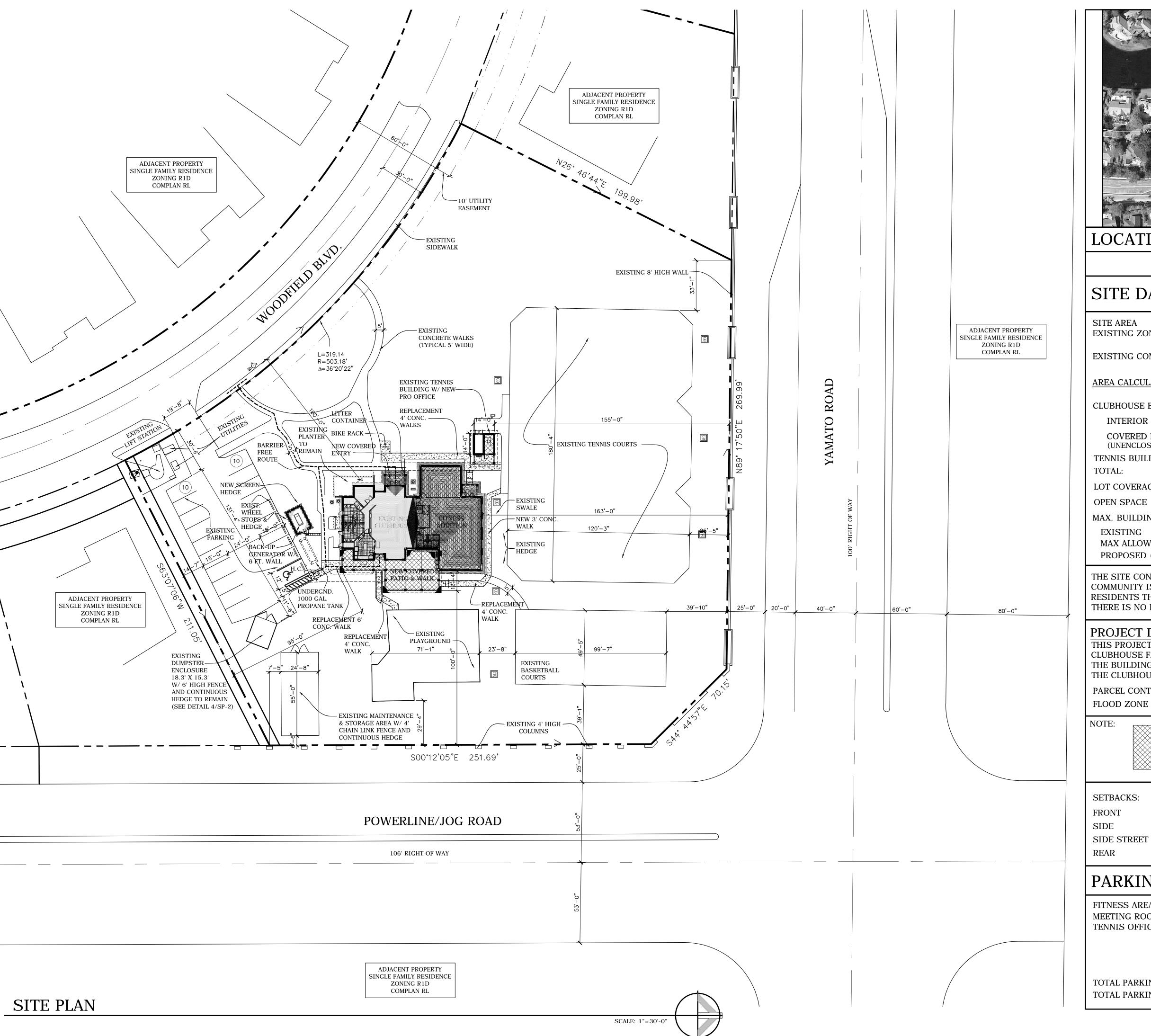
PVC CLEANOUT

PLUG TO REMAIN

IN PLACE UNTIL

PLUMBER MAKES

CONNECTION —





### LOCATION MAP

### SITE DATA

116,309 S.F. (2.6 ACRES) **EXISTING ZONING** RID RESIDENTIAL SINGLE FAMILY

(WITH PUD MASTER PLAN OVERLAY) EXISTING COMPLAN RL RESIDENTIAL LOW

### AREA CALCULATIONS

	EXISTING	PROPOSED
CLUBHOUSE BUILDING:		
INTERIOR BUILDING:	2,171 S.F.	4,648 S.F.
COVERED PATIO: (UNENCLOSED)	729 S.F.	865 S.F.
TENNIS BUILDING:	100 S.F.	196 S.F.
TOTAL:	3,000 S.F.	5,709 S.F.
LOT COVERAGE	4.9 %	

MAX. BUILDING HEIGHT

**EXISTING** 19' (TO MID SPAN OF ROOF) 28' TO PEAK MAX ALLOWED 25' (TO MID SPAN OF ROOF)

95.1 %

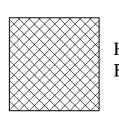
PROPOSED (ADDITIONS) 13.5' (TO MID SPAN OF ROOF) 19' TO PEAK

THE SITE CONTAINS 20 EXISTING PARKING SPACES. THE COMMUNITY IS ESTABLISHED AND HAS A FIXED NUMBER OF RESIDENTS THAT UTILIZE THE CLUBHOUSE AND AMENITIES. THERE IS NO PROPOSED INCREASE IN PARKING.

### PROJECT DESCRIPTION:

THIS PROJECT IS THE EXPANSION OF THE EXISTING CLUBHOUSE FACILITIES AT WOODFIELD HUNT CLUB. THE BUILDINGS TO BE EXPANDED AND RENOVATED INCLUDE THE CLUBHOUSE BUILDING AND TENNIS BUILDING.

PARCEL CONTROL NUMBER- 06424710080060000 FLOOD ZONE - B



HATCHING INDICATES NEW BUILDING EXPANSION.

SETBACKS:	REQUIRED	PROPOSED
FRONT	25'	100'
SIDE	12.5'	97' & 155'
SIDE STREET	NA	NA
REAR	20'	100'

### PARKING CALCULATIONS

FITNESS AREA & AEROBICS	2,272 S.F. @ 1/175	13 SPACES
MEETING ROOM (EXISTING)	1,141 S.F.	
TENNIS OFFICE	96 S.F.	

1,237 S.F. @ 1/200 S.F. 7 SPACES

20 SPACES TOTAL PARKING REQUIRED TOTAL PARKING PROPOSED 20 SPACES

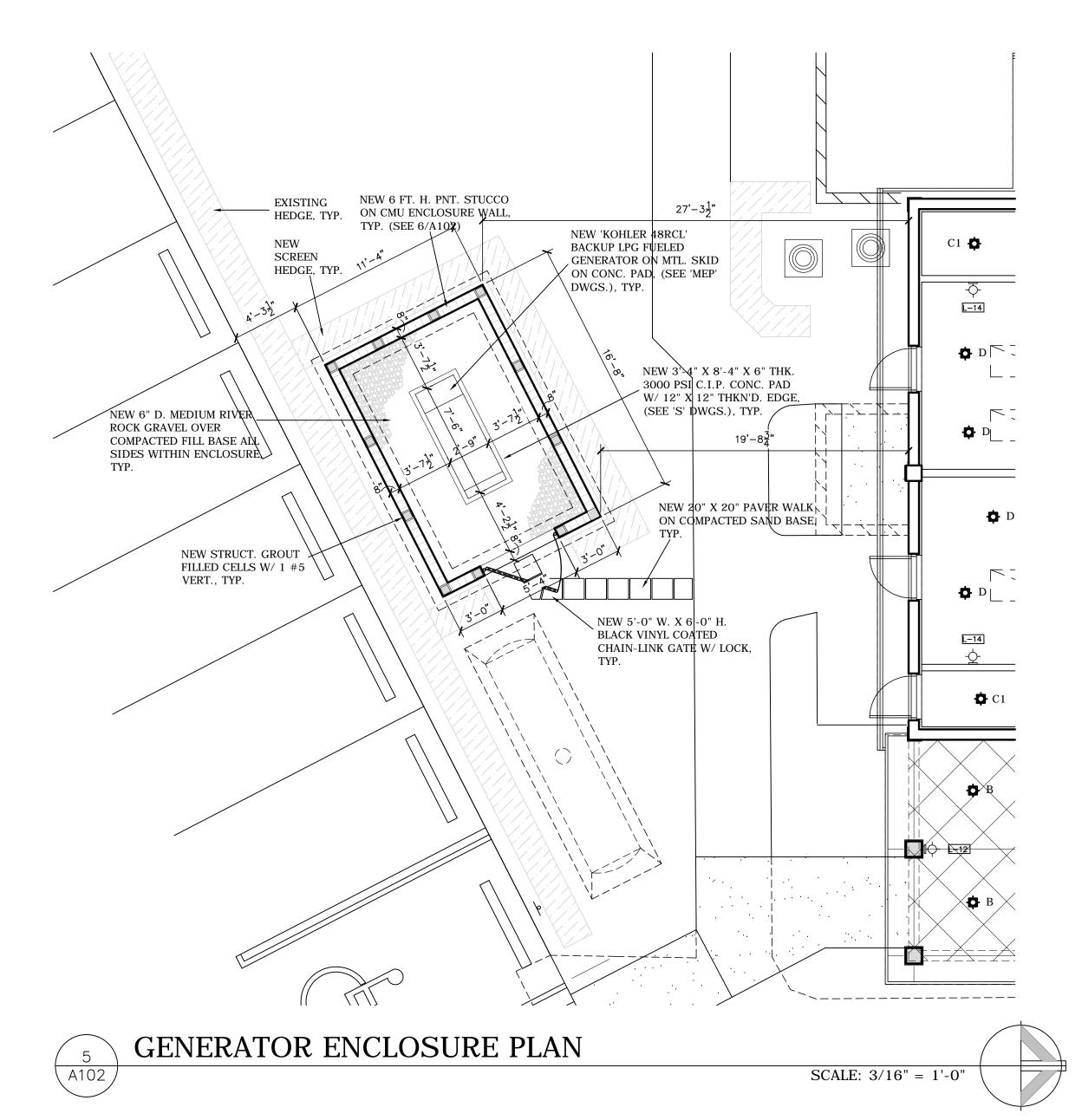
REVISIONS



WOODFIELD

SLATTERY & ASSOCIATES FLORIDA REGISTRATION # AA000338

drawn CR, DR	
CHECKED CR	
DATE	
7-21-16	
SCALE	•
AS NOTED	
JOB NO.	
2014-33	•
SHEET	



CONT. 8" x 8" C.M.U. BOND- BEAM FILLED -W/ 2500 P.S.I. CONC. & 1 # 5 CONT.

2-COAT PAINTED & PRIMED ¾" STUCCO OF COLOR &

TEXTURE TO MATCH BLDG., TYP. ALL SIDES

6" DEEP MEDIUM RIVER ROCK GRAVEL INSIDE GENERATOR ENCLOSURE,

1 #5 DOWEL W/ 6" HOOK SET INTO FTG. @ EA. CONC. FILLED CELL, TYP.

TWO-COAT BITUMENOUS
WATER- PROOFING PAINT
ON ALL C.M.U. BELOW
GRADE, TYP.

2'-8"

GENERATOR ENCLOSURE WALL

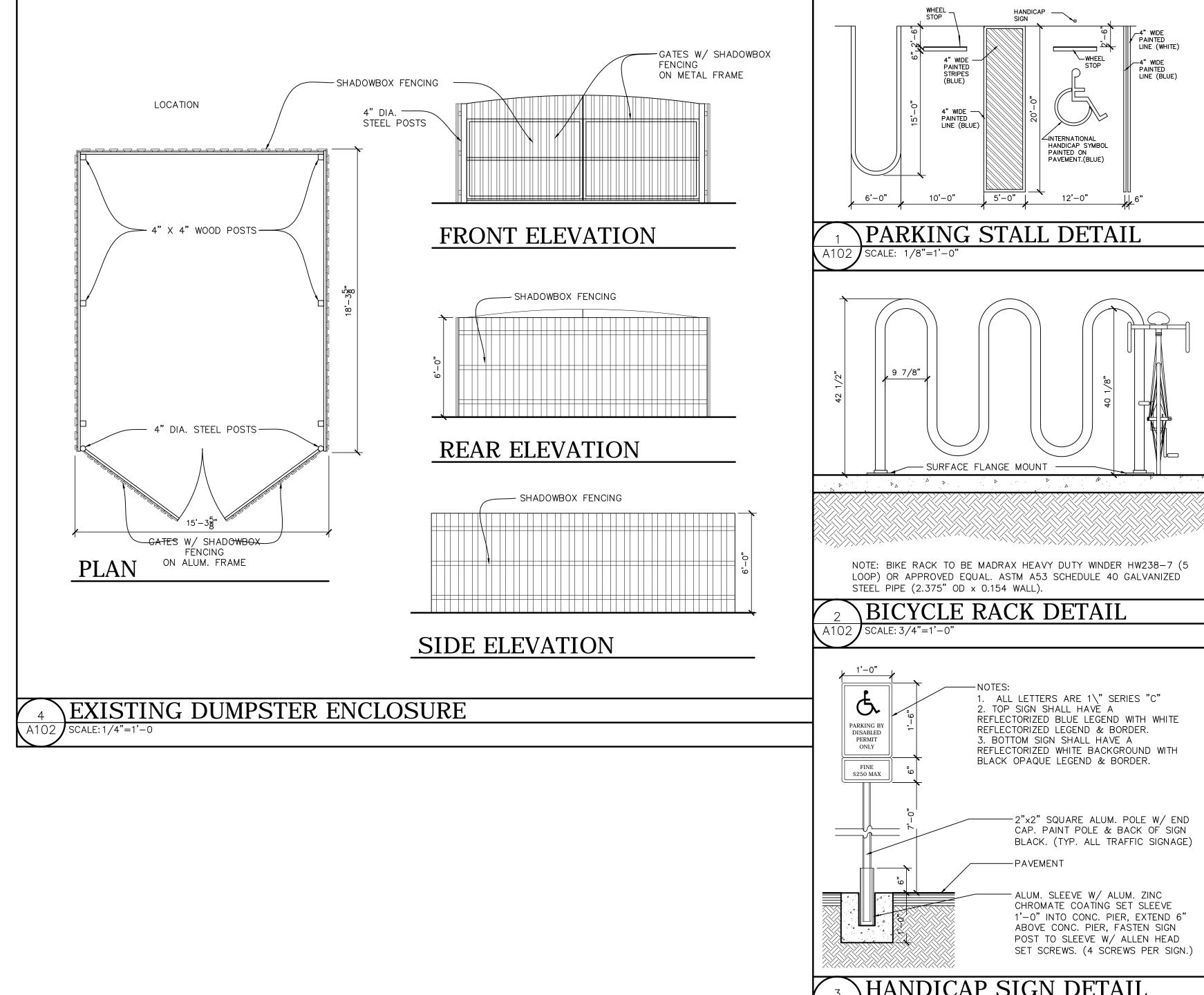
3000 PSI C.I.P. CONT. CONC.— FOOTING, TYP.

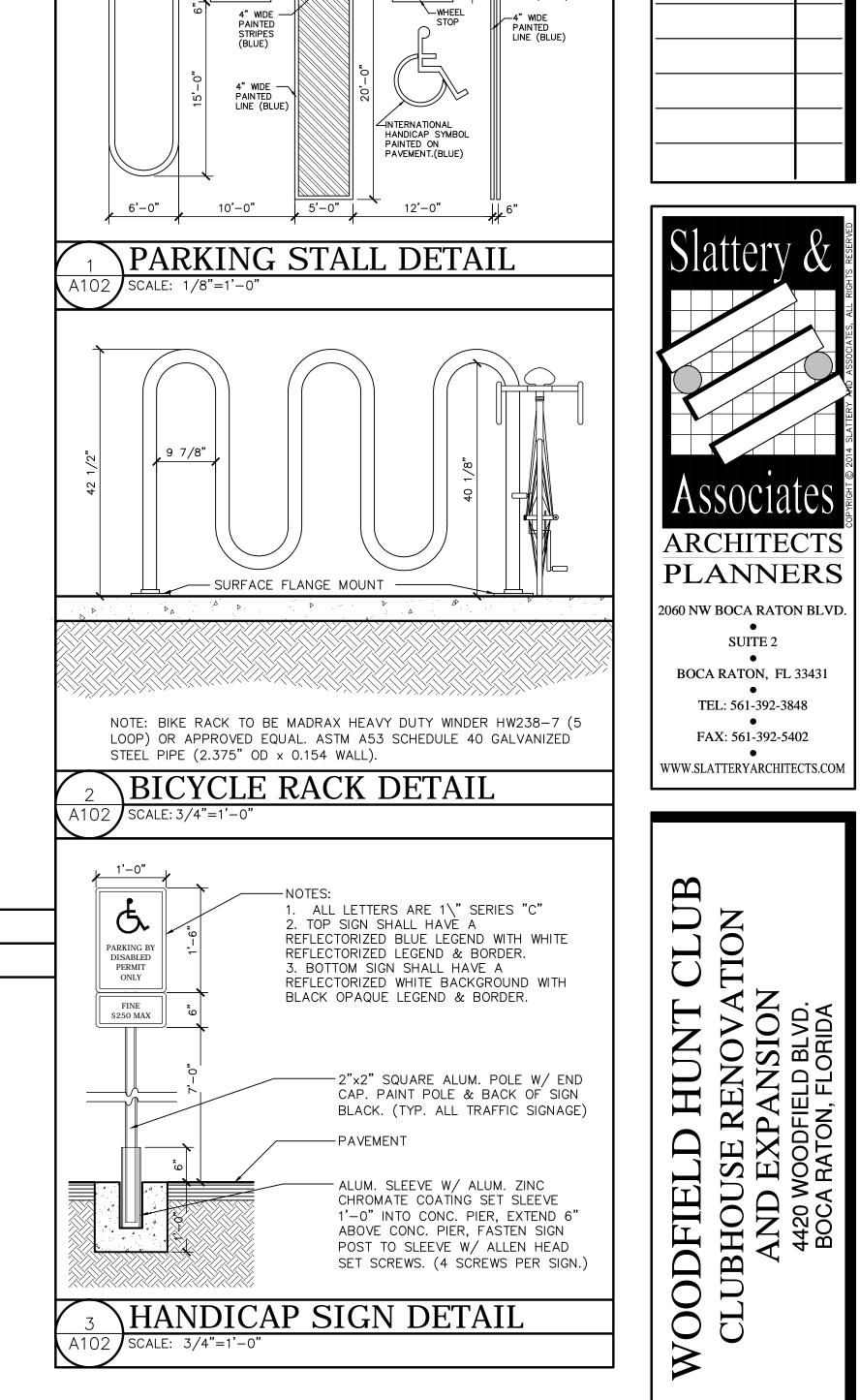
CLEAN FILL COMPACTED TO 2500 PSF,

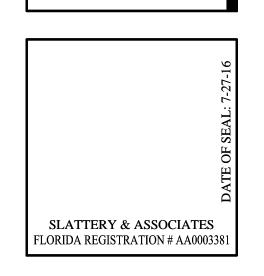
FIN. GRADE SL. AWAY, TYP. —

1 # 5 VERT. @32" O.C. MAX. W/ C.S.I. HOOK INTO BOND BEAM, TYP. @ EA. CONC. -

FILLED CELL (SEE PLAN), TYP.







REVISIONS

**ARCHITECTS** 

**PLANNERS** 

2060 NW BOCA RATON BLVD.

SUITE 2

BOCA RATON, FL 33431

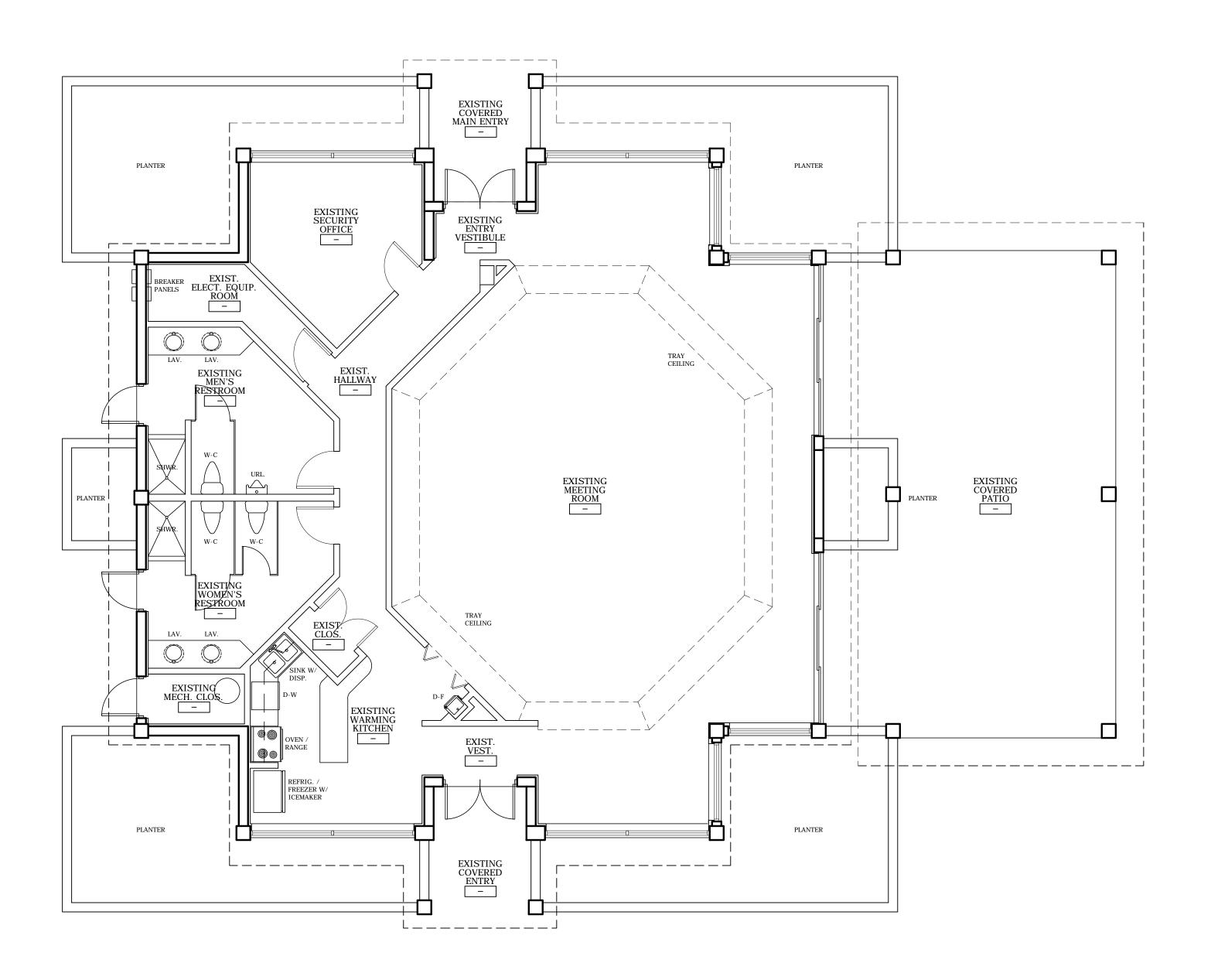
TEL: 561-392-3848

FAX: 561-392-5402

WWW.SLATTERYARCHITECTS.COM

CLUB

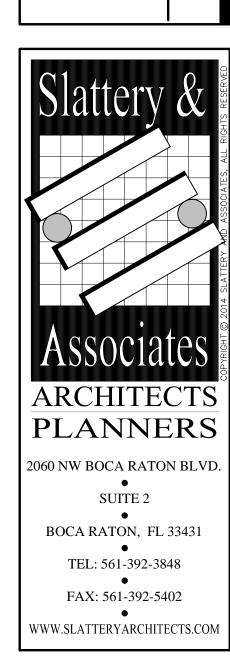
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	DRAWN	
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NOTE: THIS PLAN IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT TO BE CONSIDERED AS AN EXACT DEPICTION OF EXISTING CONDITIONS OR AS-BUILT DRAWING. THE GENERAL CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS AND COORDINATE ALL TRADES BEFORE PROCEEDING WITH AND DURING NEW WORK, TYP.

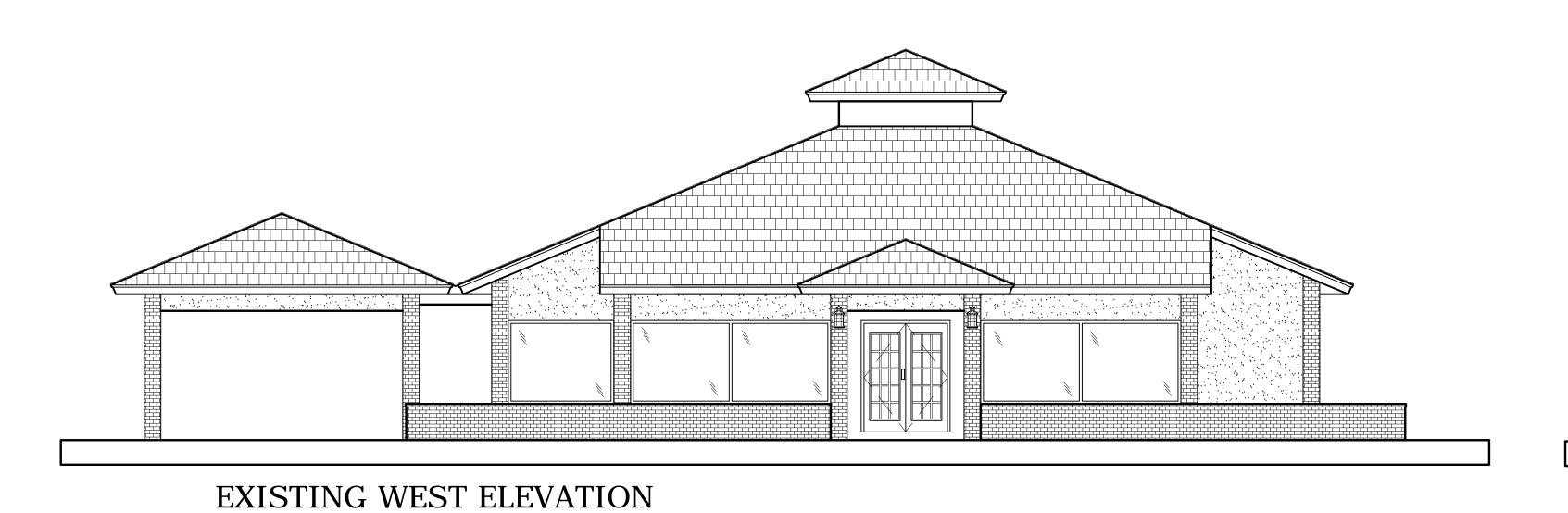
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## WOODFIELD HUNT CLUB CLUBHOUSE RENOVATION AND EXPANSION 4420 WOODFIELD BLVD.

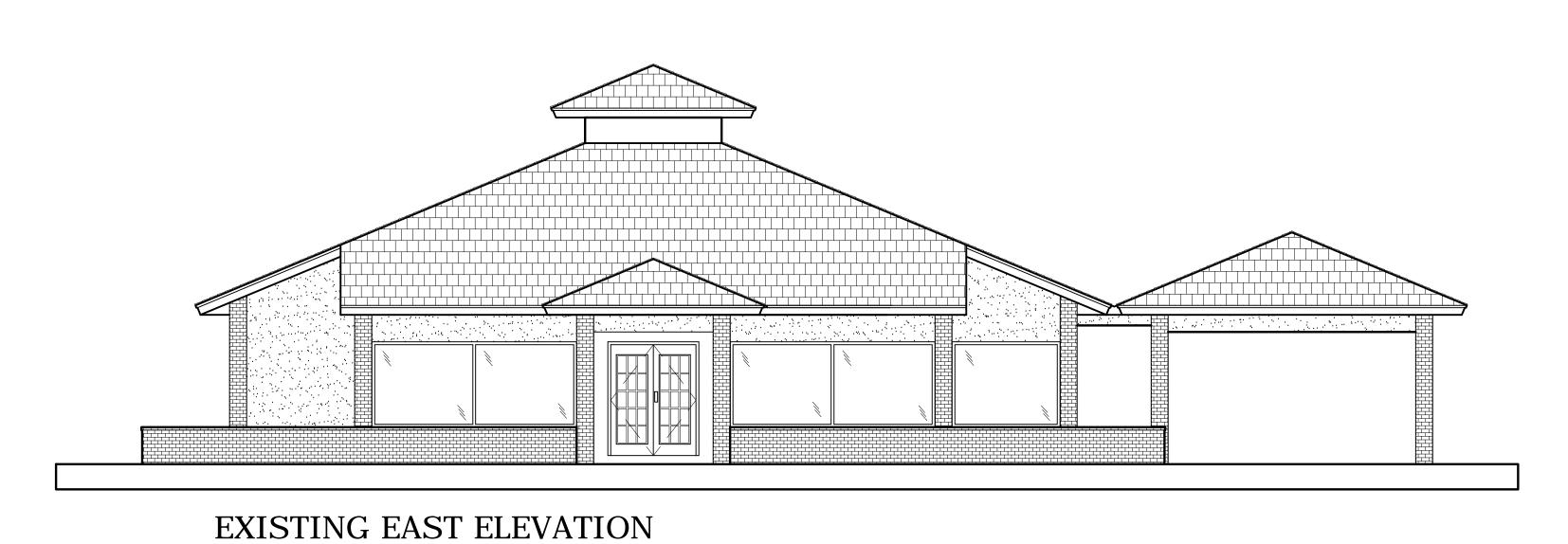
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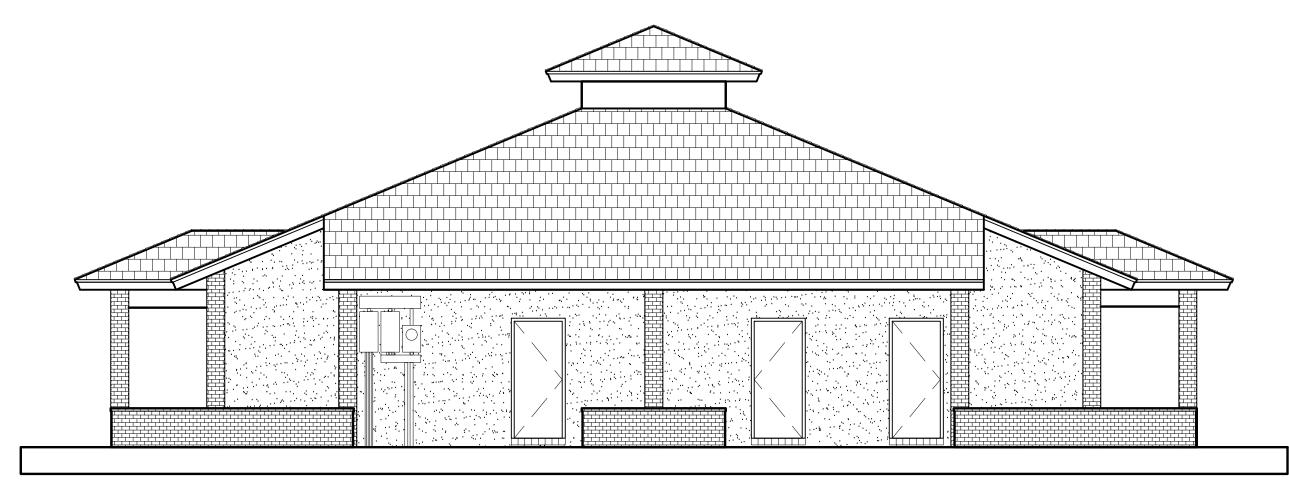
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EXISTING NORTH ELEVATION

SCALE: 3/16" = 1'-0"





EXISTING SOUTH ELEVATION

SCALE: 3/16" = 1'-0"

NOTE: THESE ELEVATIONS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THEY ARE NOT TO BE CONSIDERED AS AN EXACT DEPICTION OF EXISTING CONDITIONS OR AS-BUILT DRAWINGS. THE GENERAL CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS AND COORDINATE ALL TRADES BEFORE PROCEEDING WITH AND DURING NEW WORK, TYP.

SCALE: 3/16" = 1'-0"

SCALE: 3/16" = 1'-0"

REVISIONS

ARCHITECTS

PLANNERS

2060 NW BOCA RATON BLVD.

• SUITE 2

BOCA RATON, FL 33431

TEL: 561-392-3848

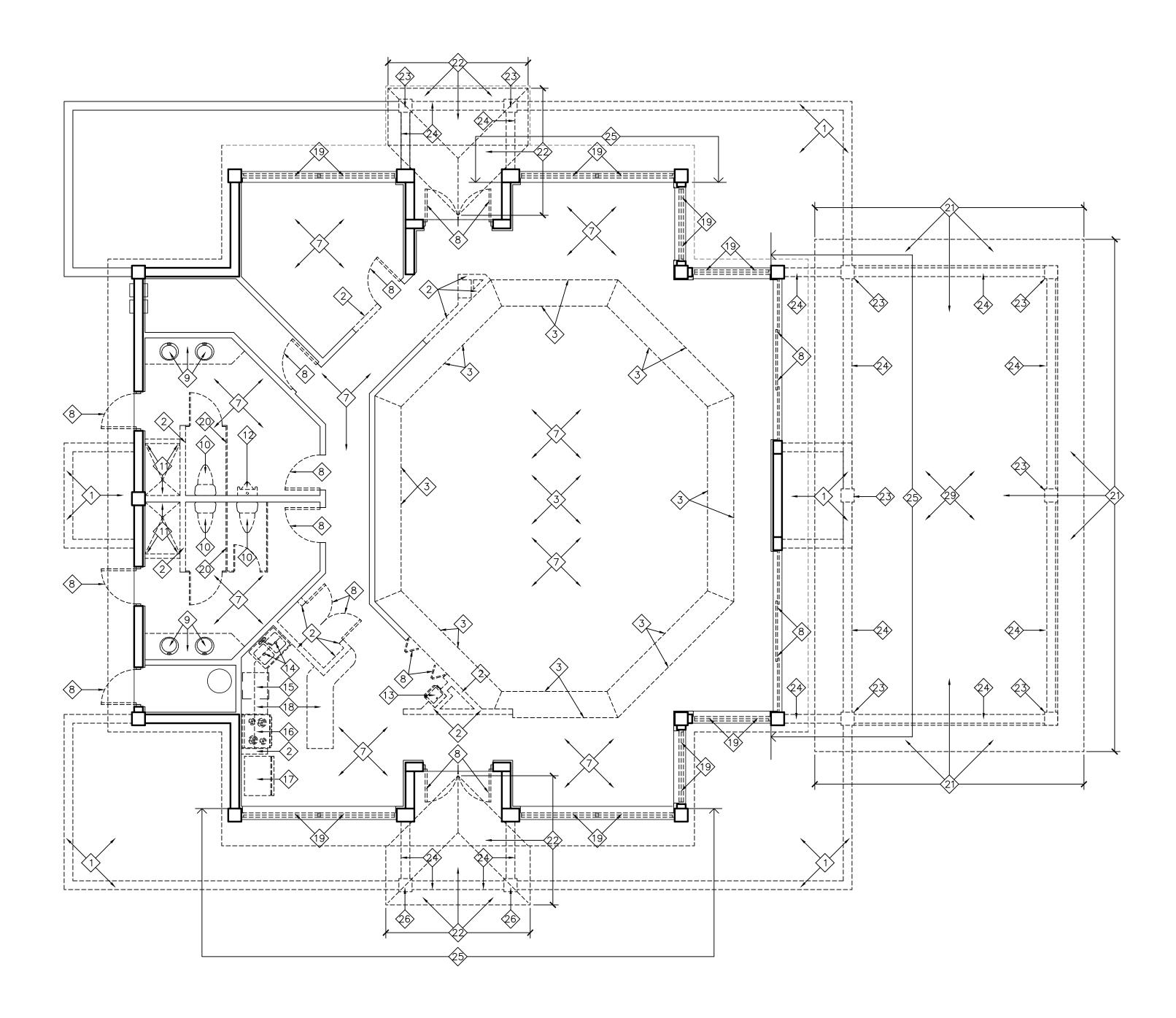
FAX: 561-392-5402

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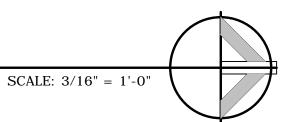
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### DEMOLITION FLOOR PLAN



### DEMOLITION GENERAL NOTES

- 1. THIS PLAN REPRESENTS THE GENERAL DEMOLITION AND DOES NOT COVER ALL ASPECTS OF THE DEMOLITION REQUIRED TO COMPLETE THIS PROJECT. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE BETWEEN ALL TRADES.
- 2. EACH SUBCONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO OR DURING DEMOLITION TO COORDINATE THE REQUIRED DEMOLITION FOR THEIR TRADE. ANY ADDITIONAL DEMOLITION NOT COORDINATED WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND HIS OR HER SUBCONTRACTOR.
- 3. THE DEMOLITION CONTRACTOR SHALL REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS IN ORDER TO DETERMINE ADDITIONAL WORK BY HIS OR HER CONTRACT. THIS WORK MAY INCLUDE BUT IS NOT LIMITED MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL SYSTEMS COMPONENTS.
- 4. THE GENERAL CONTRACTOR AND HIS OR HER SUBCONTRACTORS ARE RESPONSIBLE FOR THE MEANS, METHODS, SEQUENCES AND PROCEDURES REQUIRED FOR DEMOLITION INCLUDING BUT NOT LIMITED TO SHORING, STAGING, TEMPORARY BRACING AND THE CONSTRUCTION OF NEW SUPPORT SYSTEMS REQUIRED PRIOR TO DEMOLITION.
- 5. THE GENERAL CONTRACTOR AND HIS OR HER SUBCONTRACTORS ARE RESPONSIBLE FOR THE INSTALLATION OF ANY TEMPORARY BARRIERS, SHIELDS AND SIGNAGE REQUIRED DURING DEMOLITION.

- 6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF ALL EXISTING BUILDING AND FACILITY FUNCTIONS DURING DEMOLITION INCLUDING BUT NOT LIMITED TO PUBLIC SAFETY, FIRE EXIT PATHWAYS, PEDESTRIAN REROUTING, MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS CONTINUITY.
- 7. THE GENERAL CONTRACTOR AND HIS OR HER SUBCONTRACTORS SHALL TAKE CARE NOT TO DISTURB ANY AREAS OF NEW OR EXISTING CONSTRUCTION TO REMAIN AND SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING (TO MATCH EXISTING) ANY AREAS DISTURBED BY DEMOLITION INCLUDING RESTORING ANY EXISTING FIRE RATED SYSTEMS TO ORIGINAL COMPLIANT CONDITION, TYP.
- 8. THE GENERAL CONTRACTOR AND HIS OR HER SUBCONTRACTORS SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL DEMOLITION MATERIALS AS REQUIRED BY ALL GOVERNMENTAL AUTHORITIES HAVING
- 9. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL PARTS OF THE BUILDING, ITS CONTENTS AND OCCUPANTS WHEREVER WORK UNDER THIS CONTRACT IS PERFORMED.
- 10. DEMOLITION SHALL INCLUDE REMOVAL OF EXISTING BUILDING CONSTRUCTION TO EXTENT REQUIRED TO PERFORM CONSTRUCTION ACTIVITIES INDICATED.

- 11. THE DEMOLITION PROCEDURES SHALL PROVIDE FOR SAFE CONDUCT OF THE WORK, PROTECTION OF PERSONNEL, CAREFUL REMOVAL AND DISPOSITION OF MATERIALS SPECIFIED TO BE SALVAGED, PROTECTION OF PROPERTY TO REMAIN UNDISTURBED, COORDINATION WITH OTHER WORK IN PROGRESS, AND TIMELY DISCONNECTION OF UTILITY SERVICES.
- 12. EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE. WORK DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO MATCH EXISTING WORK OR WORK INSTALLED UNDER THIS CONTRACT DEPENDING ON CONTRACT REQUIREMENTS.
- 13. EXISTING WORK SHALL BE CUT, DRILLED, ALTERED, REMOVED OR TEMPORARILY REMOVED AND REPLACED FOR PERFORMANCE OF WORK UNDER THE CONTRACT. WORK DEFACED DURING THIS CONTRACT SHALL BE RESTORED TO THE CONDITION AT TIME OF AWARD OF CONTRACT.
- 14. PROPERLY REMOVE OF ALL EXISTING FIXTURES AS REQUIRED TO ACCOMMODATE NEW PLAN. CONSULT WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO DISPOSAL OF REMOVED MATERIAL.
- 15. CONTRACTOR SHALL NOT REMOVE ANY STRUCTURAL ITEM. ARCHITECT SHALL BE NOTIFIED IMMEDIATELY IF UNFORESEEN STRUCTURAL ELEMENTS ARE ENCOUNTERED DURING THE DEMOLITION OF THE IMPROVEMENTS NOTED FOR DEMOLITION.

- 16. TERMINATED ELECTRICAL CONDUCTORS SHALL BE INSULATED TO PROTECT WORKERS AGAINST SHOCK.
- 17. REMOVE ALL FLOOR FINISHES, WALL FINISHES AND CEILING FINISHES IN THE AREAS DESIGNATED AND PREPARE SURFACES TO RECEIVE NEW FINISHES AS INDICATED IN THE CONTRACT DOCUMENTS.

### DEMOLITION LEGEND

- REMOVE EXISTING PLANTER INCLUDING VEGITATION, SOIL, IRRIGATION & KNEE-WALLS,
- REMOVE EXISTING PARTITION DRYWALL, FRAMING, FIXTURES & ATTACHMENTS. PREP AREA FOR NEW CONSTRUCTION PER RENOVATION PLANS, TYP.
- REMOVE EXISTING CEILING DRYWALL & FRAMING. PREP AREA FOR NEW CONSTRUCTION
- REMOVE EXISTING ACOUSTIC TILE CEILING SYSTEM & ATTACHMENTS. PREP AREA FOR NEW CONSTRUCTION PER RENOVATION PLANS, TYP.
- REMOVE EXISTING SOFFIT DRYWALL & FRAMING. PREP AREA FOR NEW CONSTRUCTION
- REMOVE ALL EXISTING CEILING RECESSED OR SURFACE MOUNTED LIGHT FIXTURES. CAP

7> REMOVE EXISTING FLOOR TILE & GROUT. PREP SURFACE FOR NEW FLOOR FINISH, TYP.

- SO AS TO RE-CONFIGURE EXISTING CIRCUITS WIRING, CONDUIT, J-BOXES, ETC FOR NEW LIGHTING LAYOUT, TYP.
- •
- REMOVE EXISTING VANITY & LAVATORY. CAP PLUMBING LINES IN PREP FOR NEW

PLUMBING LINES IN PREP FOR NEW CONSTRUCTION

PER RENOVATION PLANS, TYP.

CONSTRUCTION.

NEW CONSTRUCTION, TYP.

CONSTRUCTION, TYP.

PREP. FOR NEW CONSTRUCTION, TYP.

CONSTRUCTION PER RENOVATION PLANS, TYP.

REMOVE EXISTING WATER-CLOSET. CAP PLUMBING LINES IN PREP FOR NEW

8 REMOVE EXISTING DOOR, HARDWARE, FRAME & ATTACHMENTS, TYP.

- REMOVE EXISTING SHOWER INCLUDING WING-WALL, TILE & FIXTURES, ETC. CAP
- REMOVE EXISTING URINAL. CAP PLUMBING LINES IN PREP FOR NEW CONSTRUCTION.
- REMOVE EXISTING WATER COOLER. CAP PLUMBING & ELECTRICAL LINES IN PREP FOR
- REMOVE EXISTING KITCHEN SINK & DISPOSER. CAP PLUMBING & ELECTRICAL LINES IN
- REMOVE EXISTING DISHWASHER. CAP PLUMBING & ELECTRICAL LINES IN PREP. FOR NEW
- CONSTRUCTION, TYP.

  16 REMOVE EXISTING RANGE / OVEN. CAP EXISTING ELECTRICAL LINES IN PREP. FOR NEW
- REMOVE EXISTING REFRIGERATOR / FREEZER. CAP EXISTING PLUMBING & ELECTRICAL
- LINES IN PREP. FOR NEW CONSTRUCTION, TYP.

  REMOVE EXISTING LOWER OR UPPER CABINETRY, COUNTERS & ATTACHMENTS. PREP.
- AREA FOR NEW CONSTRUCTION PER RENOVATION PLANS, TYP.
- REMOVE EXISTING WINDOW & ATTACHMENTS IN PREP. FOR NEW CONSTRUCTION, TYP.

20 REMOVE EXISTING TOILET STALL PARTITION SYSTEM & ATTACHMENTS IN PREP. FOR NEW

- CONSTRUCTION, TYP.

  REMOVE EXISTING COVERED PATIO ROOF INCLUDING EXISTING TILE (GC DECISION TO SAVE FOR POSSIBLE RE-USE), MEMBRANE, SHEATHING, TRUSSES, ATTACHMENTS, ETC.
- SAVE FOR POSSIBLE RE-USE), MEMBRANE, SHEATHING, TRUSSES, ATTACHMENTS, ETC.
  IN PREP FOR NEW CONSTRUCTION, TYP.

  REMOVE EXISTING COVERED ENTRY ROOF INCLUDING EXISTING TILE (GC DECISION TO
- SAVE FOR POSSIBLE RE-USE), MEMBRANE, SHEATHING, TRUSSES, ATTACHMENTS, ETC. IN PREP FOR NEW CONSTRUCTION, TYP.

  REMOVE EXISTING COLUMN INCLUDING EXISTING VENEER, STUCCO, CONCRTETE, C.M.U.
- REBAR & FOOTING (IF NECESSARY), ETC. IN PREP. FOR NEW CONSTRUCTION, TYP.
- CONSTRUCTION, TYP.

  25 REMOVE PORTION OF EXISTING MAIN CLUBHOUSE ROOF TILE, ETC. ONLY BACK AS FAR AS

REMOVE EXISTING CONCRETE BEAM INCLUDING REBAR IN PREP. FOR NEW

REMOVE PORTION OF EXISTING SLAB ON GRADE INCLUDING FOOTINGS & REBAR TO ACCOMMODATE NEW CONSTRUCTION, TYP.

NECESSARY IN PREP. FOR TIE-IN OF NEW BUILDING ADDITION CONSTRUCTION, TYP.

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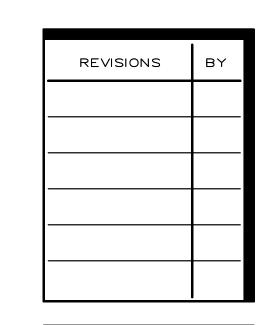


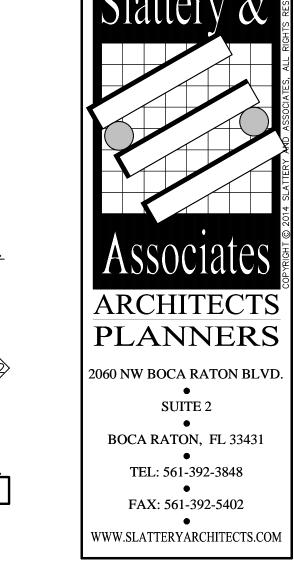
# WOODFIELD HUNT CLUB CLUBHOUSE RENOVATION AND EXPANSION 4420 WOODFIELD BLVD.

SLATTERY & ASSOCIATES LORIDA REGISTRATION # AA00033

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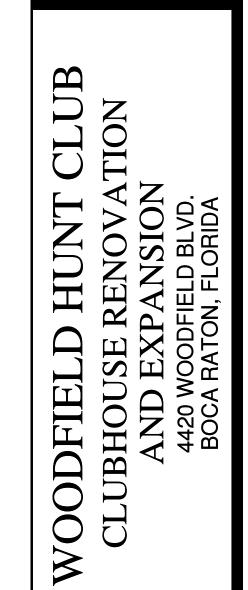
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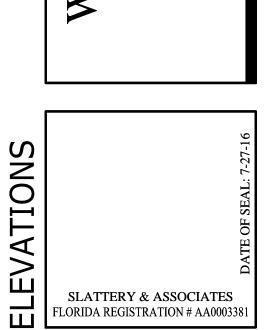


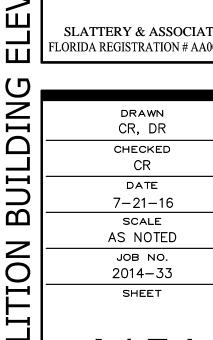


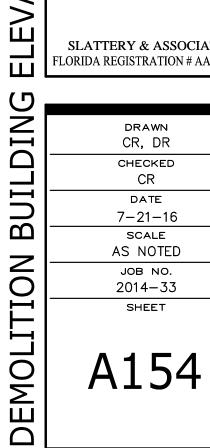
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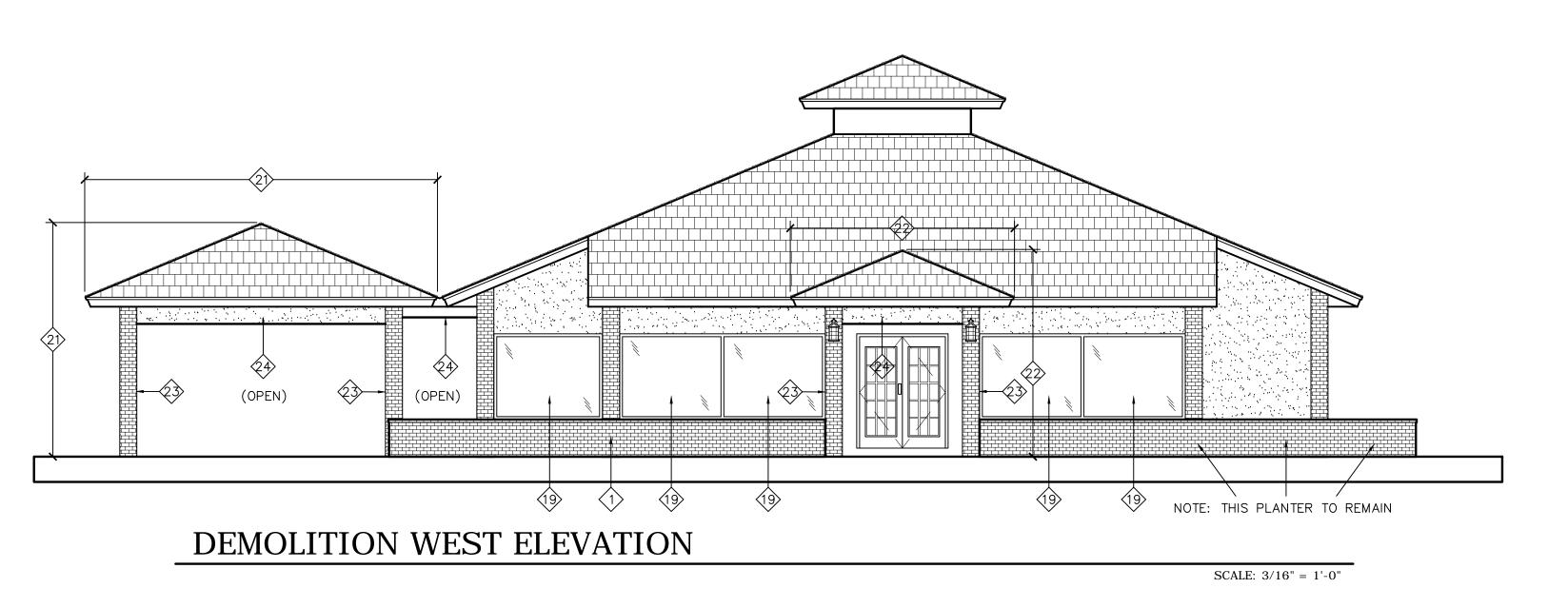
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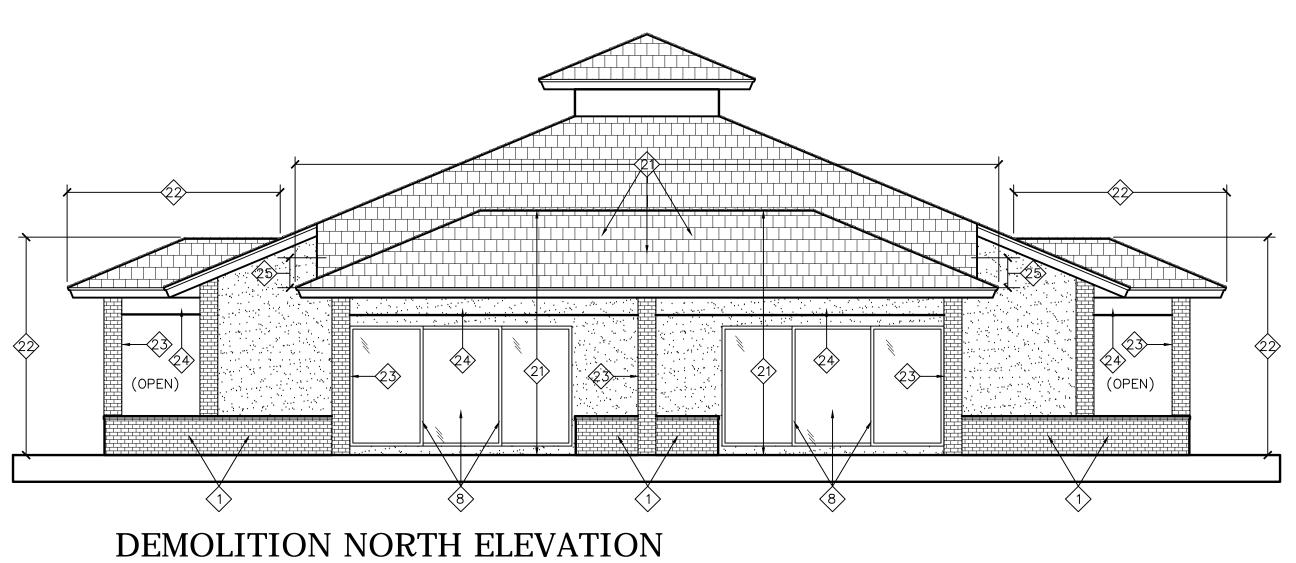


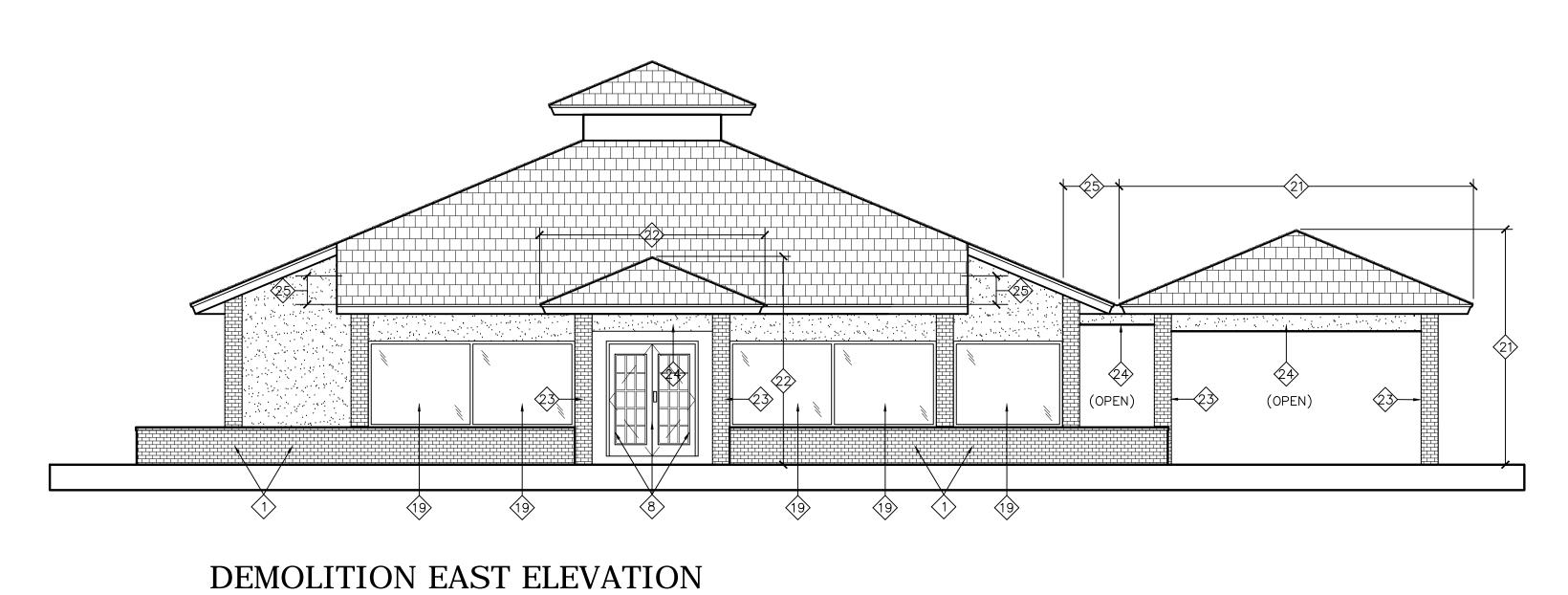


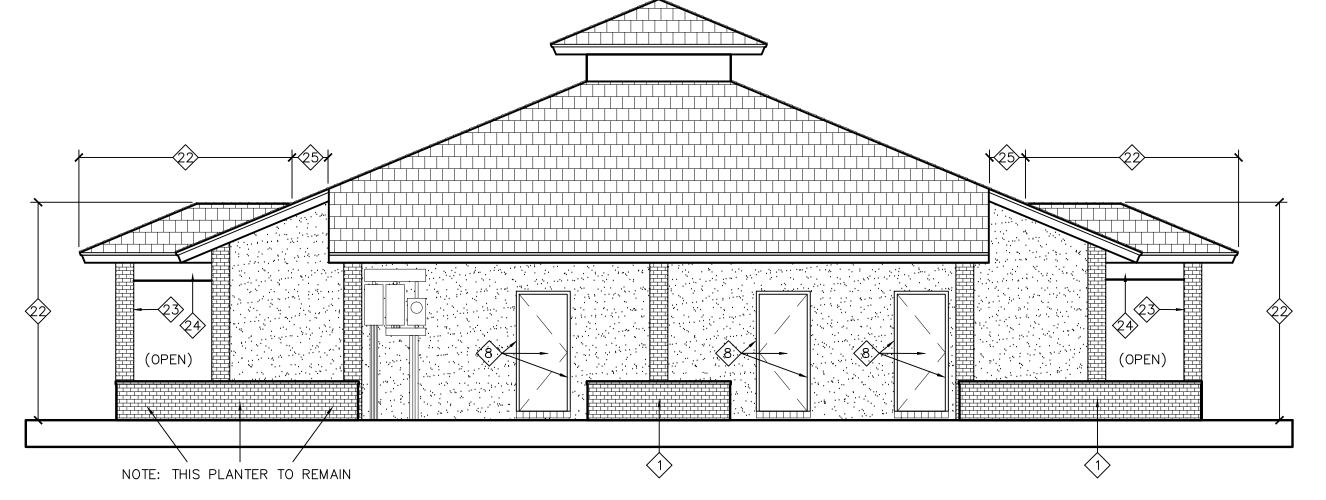






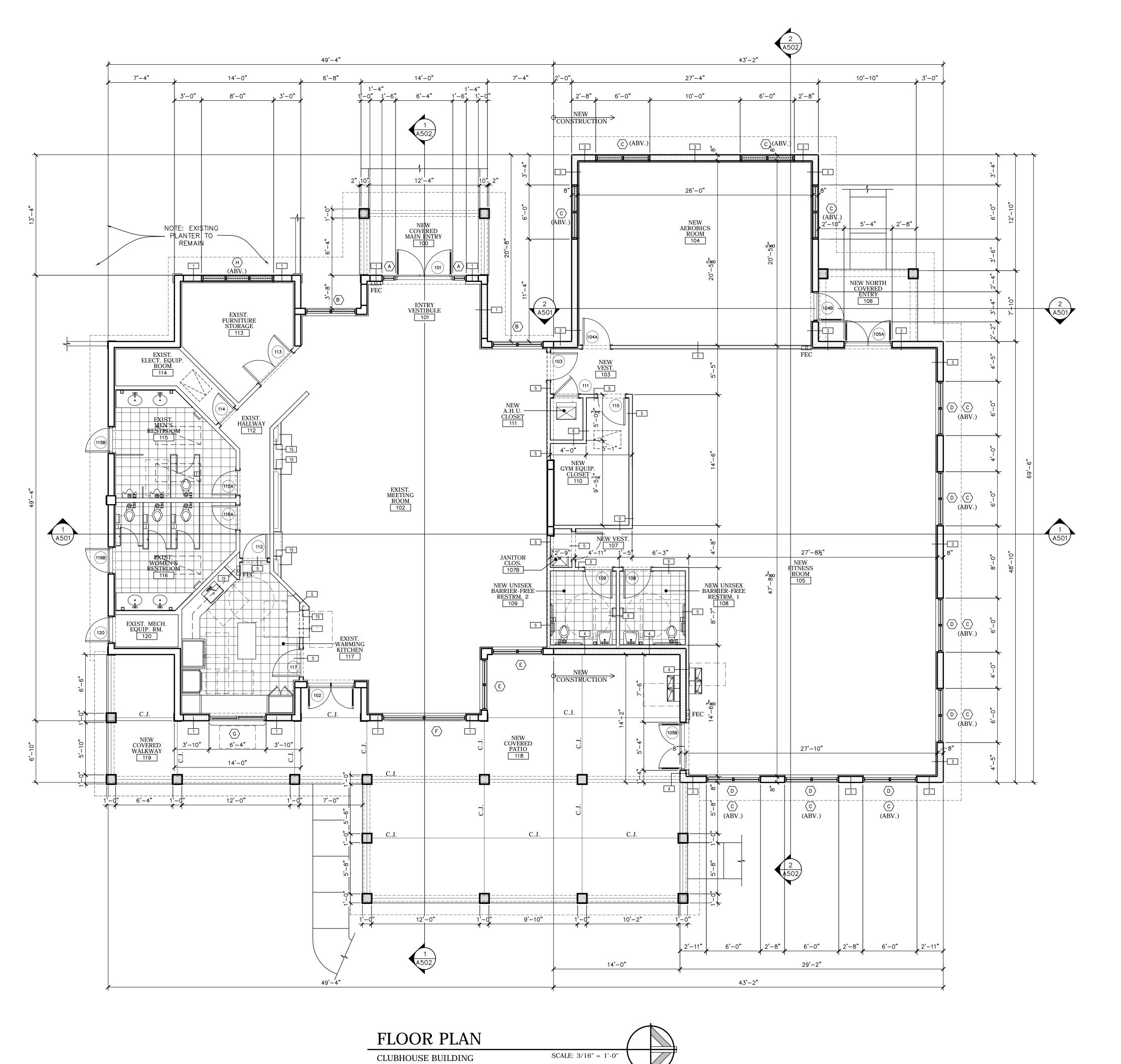


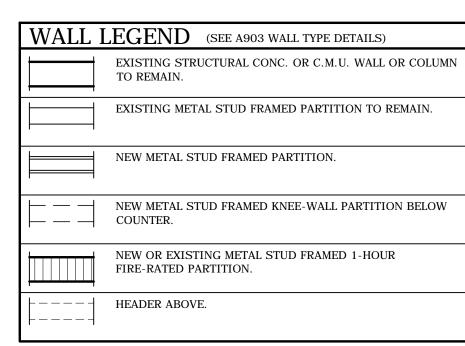


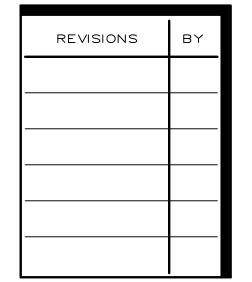


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DEMOLITION SOUTH ELEVATION









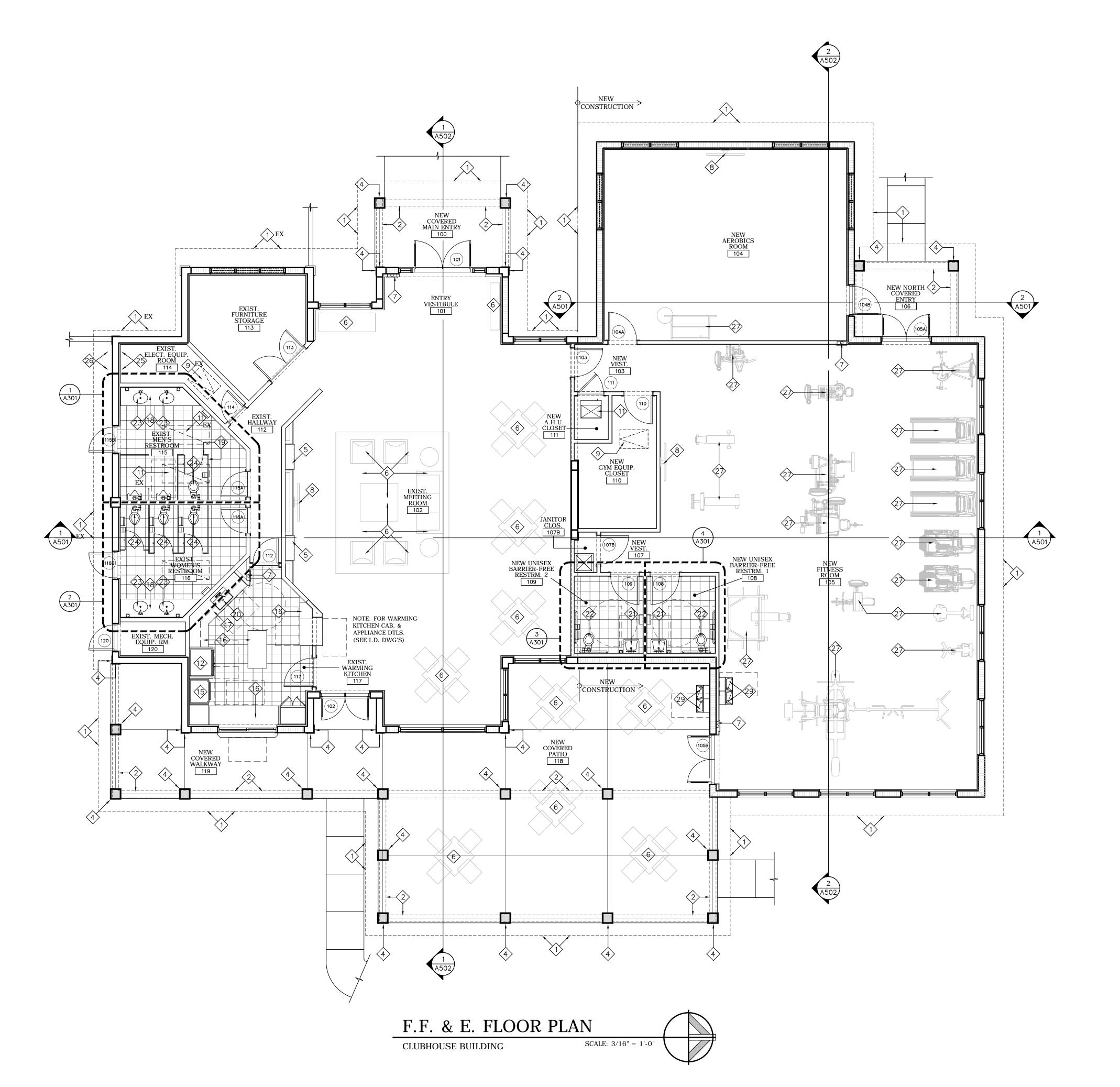
# WOODFIELD HUNT CLUB CLUBHOUSE RENOVATION AND EXPANSION 4420 WOODFIELD BLVD.

SLATTERY & ASSOCIATES
FLORIDA REGISTRATION # AA0003381

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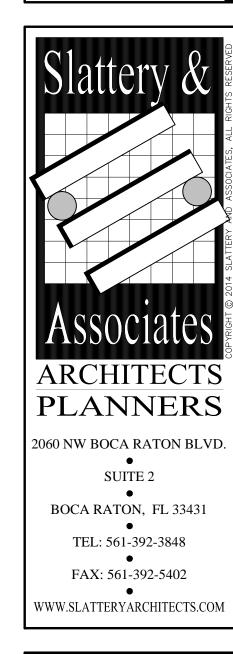
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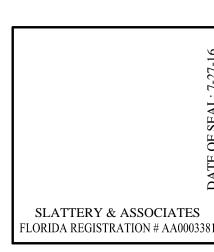


PLAN LEGEND

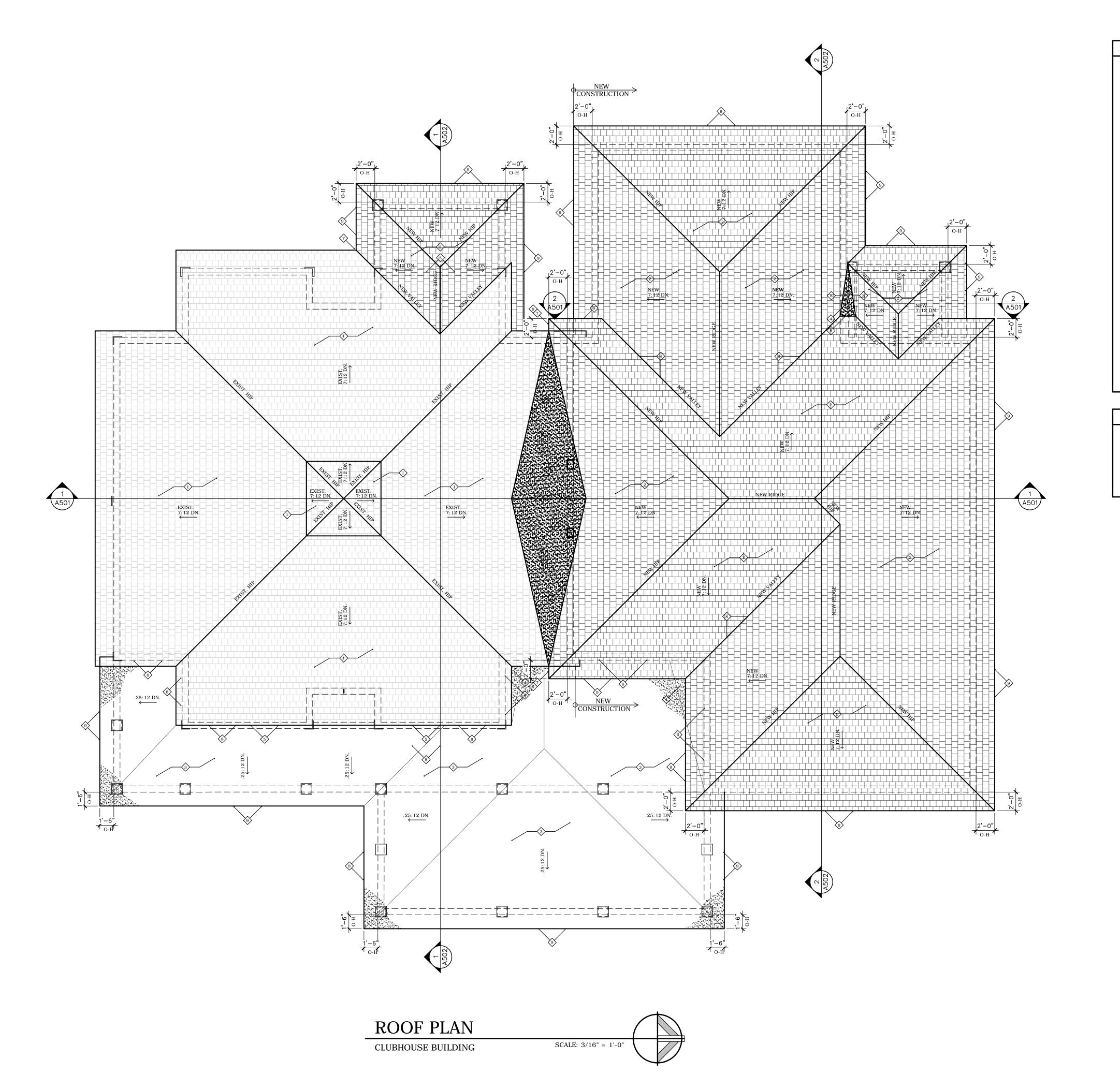
- LINES (DASHED) OF ROOF OVERHANG ABOVE, TYP.
- 2 LINES (DASHED) OF EXTERIOR SOFFIT, EYEBROW OR BEAM ABOVE, TYP.
- FIRE ALARM SYSTEM MANUAL PULL-STATION, TYP. (SEE 'FA' DWGS.)
- VENEER STONE TO MATCH EXISTING VENEER STONE ON BUILDING, TYP.
- BUILT-IN CASEWORK TO BE PROVIDED BY G.C. & CABINETRY SUB-CONTRACTOR / VENDOR COORDINATED W/ OWNER. VENDOR TO PROVIDE DETAIL SHOP DWGS. FOR OWNER APPROVAL PRIOR TO ANY ORDERS OR FABICATIONS, TYP. (SEE I.D. DWGS).
- TABLES, CHAIRS & OTHER FURNISHINGS, (SEE I.D. DWG'S)
- PORTABLE FIRE EXTINGUISHER IN SEMI-RECESSED CABINET, TYP. (SEE A251),
- WALL-MOUNTED WIDE SCREEN T.V. W/ POWER & CABLE / DATA CONNECTION, TYP. (SEE 'ID' & 'E' DWGS.), TYP. (G.C. CONFIRM & COORDINATE MOUNTING HEIGHT WITH I.D. PRIOR TO ELECT. ROUGH-IN SO OUTLETS ARE CONSEALED BEHIND THE SCREEN. PROVIDE SOLID PLYWD. BACKING BTWN. STUDS, TYP.)
- ATTIC ACCESS PANEL @ CLG, TYP.
- H.V.A.C. CONDENSING UNIT ATTACHED TO CONC. PAD, TYP. (SEE MEP' DWGS.)
- H.V.A.C. AIR-HANDLING UNIT, TYP. (SEE 'MEP' DWGS.)
- RESIDENTIAL TYPE REFRIGERATOR FREEZER W/ ICE MAKER, TYP. (SEE 'E' & 'P' DWGS.)
- ELECTRIC WATER-HEATER UNIT, TYP. (SEE 'E' & 'P' DWGS.)
- 24" X 24" FLOOR-MOUNT MOP SINK. (SEE 'P' DWGS.)
- 5 STACK OVEN & MICROWAVE UNIT (SEE I.D. DWG'S)
- 34" H. X 24 D. P. LAM. ON PLYWD. BASE CABINET W/ SOLID SURFACE COUNTER & SPLASH, TYP. (SEE I.D. DWG'S)
- 14" D. X 30" H. P. LAM. ON PLYWD. UPPER CABINETS, TYP. (SEE INTERIOR ELEVATIONS)
- 18" D. X 42" H. SOLID SURFACE COUNTER (OPEN BELOW) ON PLYWD. & WELDED TUBE-STL. FRAME ATT. TO WALL, TYP.
- SOLID PANEL TOILET PARTITION SYSTEM. (SEE I.D. DWG'S)
- STAINLESS STL. UNDER-COUNTER MOUNT SINGLE-BOWL SINK W/ ELECTIC WASTE DISPOSER UNIT, TYP. (SEE 'E' & 'P' DWGS.)
- WALL-MOUNT ADULT BARRIER-FREE LAV., TYP. (SEE 'P' DWGS.)
- FLOOR-MOUNT ADULT BARRIER-FREE WATER-CLOSET, TYP. (SEE 'P' DWGS.)
- 23 UNDER-COUNTER MOUNTED LAVS.
- FLOOR-MOUNT STD. HEIGHT WATER-CLOSET, TYP. (SEE 'P' DWGS.)
- 25 WALL MOUNT URINALS
- EXISTING ELECTRICAL SERVICE LOCATION, METER & MAIN DISCONNECT SWITCH, TYP. (SEE 'E' DWGS.)
- EXERCISE EQUIPMENT (SEE GYM EQUIPMENT VENDOR'S DWG'S)
- ELECTRICAL PANEL, TYP. (SEE 'E' DWGS.)
- 29 WALL-MOUNT HI-LOW TANDEM WATER COOLERS

REVISIONS	BY





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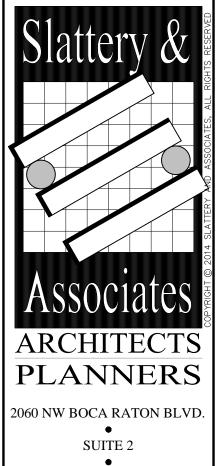
### **ROOF PLAN LEGEND**

- EXISTING FLAT CEMENT TILE ROOF SYST. (LIGHT BROWN COLOR) TO REMAIN, TYP.
- NEW FLAT CEMENT TILE ROOF SYST (COLOR & STYLE TO MATCH EXISTING & BE PRE-APPROVED BY THE ARCHITECT) SCREW & CLIP FASTENED OVER 90 LB. ROOFING UNDERLAYMENT HOT-MOPPED OVER 30 LB. BITUMINOUS FELT TIN-TAG NAILED TO %" FIRE-RETARDENT PLYWOOD SHEATHING SCREW FASTENED PER N.O.A. & MFR. PUBLISHED INSTRUCTIONS TO PRE-ENGINEERED, PRE-FAB. WOOD TRUSS SYST. ATTACHED TO STRUCTURE, (SEE 'S' DWGS.)
- 3-PLY MODIFIED BITUMINOUS ROOFING SYST. OF GRANULAR IMPREGNATED CAP SHEET HOT-MOPPED OVER MODIFIED BITUMEN INTER-PLY MEMBRANE HOT-MOPPED OVER 80 LB. NAIL-ABLE BASE SHEET MECHANICALLY FASTENED TO %" FIRE-RETARDANT PLYWD. SHEATHING SLOPED @ 1/2" PER FT. SCREW FASTENED PER N.O.A. & MFR'S. PUBLISHED INSTRUCTIONS TO PRE-ENGINEERED, PRE-FAB. WOOD TRUSS SYST. ATTACHED TO STRUCTURE, TYP. (SEE 'S' DWGS.)
- CRICKET OF TYP. 3-PLY MODIFIED BITUMENOUS ROOF SYST., TYP.
- AREA OF PORTION OF THE EXISTING TILE ROOF & SHEATHING BEING REMOVED ONLY AS NEEDED FOR INSTALLATION OF NEW BLENDED ROOF SYSTEMS, SUPPORT STRUCTURE, WATERPROOF SEALED FLASHING,
- PROVIDE CONT. TWO PIECE ALUM. FLASHING & COUNTER-FLASHING @ WALL TERMINATION OF NEW LOW-SLOPED ROOF SYST. SCREW FASTENED PER N.O.A. & MFR'S. PUBLISHED INSTRUCTIONS TO
- PROVIDE WATER-PROOF DETAIL BLENDING NEW FASCIA TO THE EXISTING FASCIA (NOTIFY THE ARCHITECT OF THE INTENDED ROOF / FASCIA BLENDING DETAIL FOR FIELD REVIEW PRIOR TO INSTALLATION), TYP.
- PROVIDE CONT. BREAK-METAL ALUM. FLASHING @ INTERSECTION OF NEW LOW-SLOPED ROOF SYST. WITH THE EXISTING (OR NEW) PITCHED CEMENT TILE ROOF SYST. & AT ALL NEW VALLEYS, SCREW FASTENED & WATERPROOF SEALED PER N.O.A. & MFR'S. PUBLISHED INSTRUCTIONS
- PROVIDE CONT. ALUM. DRIP-EDGE FLASHING @ FASCIA / EDGE OF ALL NEW LOW-SLOPED 3-PLY MODIFIED BITUMENOUS OR NEW PITCHED CEMENT TILE ROOF SYSTEMS, SCREW FASTENED & WATERPROOF SEALED PER N.O.A. & MFR'S. PUBLISHED INSTRUCTIONS TO SHEATHING,

### **ROOF PLAN NOTES**

- G.C. & ROOFING CONTRACTOR TO PROVIDE ALL MATERIALS & LABOR NECESSARY TO BLEND THE NEW ROOF SURFACES, FASCIAS & SOFFITS TO BE COMPLETELY WATERPROOF SEALED & IN AN AESTHETIC MANNER ACCEPTABLE TO THE ARCHITECT, TYP.
- 2. G.C. & ROOFING CONTRACTOR TO PROVIDE THE OWNER WITH COMPLETE MANUFACTURER & VENDOR DOCUMENTATION FOR A 20-YEAR WARRANTY FOR BOTH THE 3-PLY MODIFIED BITUMENOUS & CEMENT TILE ROOF SYSTEMS, TYP.

REVISIONS



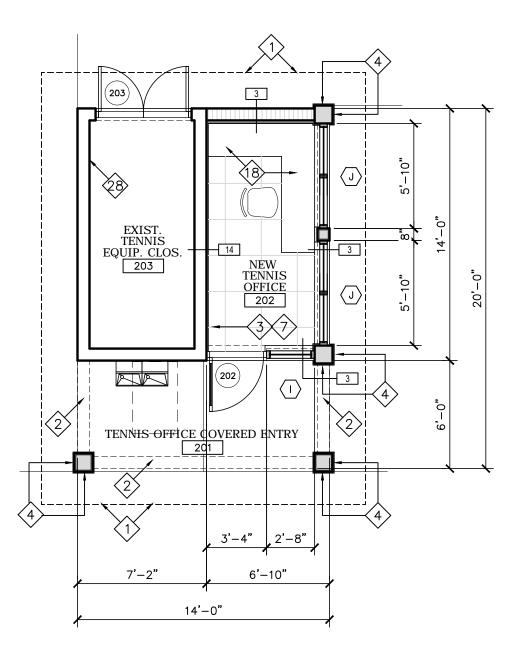
• BOCA RATON, FL 33431 TEL: 561-392-3848 FAX: 561-392-5402 •

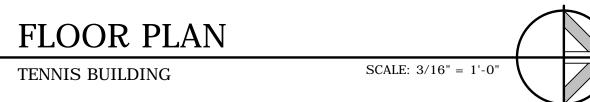
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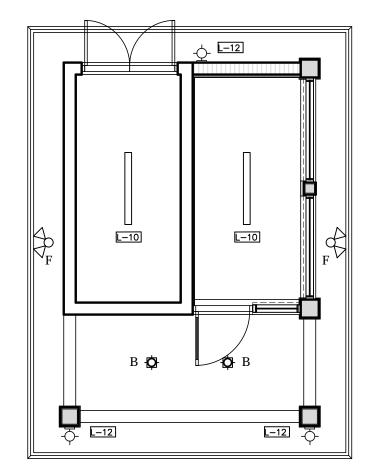
# WOODFIELD HUN

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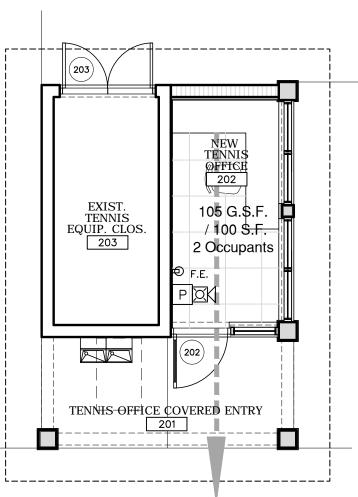
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<b>ROOF PLAN</b>	A203









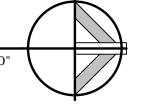


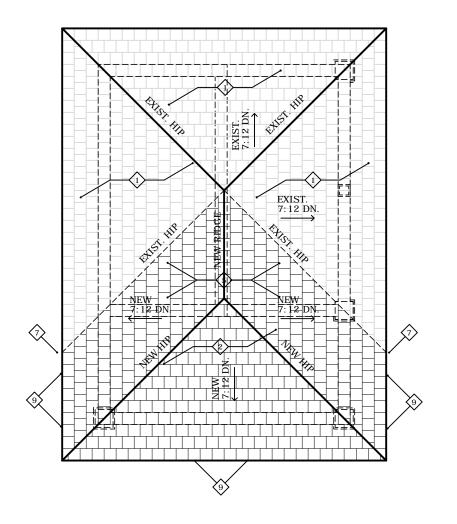
EXIT 'T' CALCULATION

2 OCCUPANTS
EXIT WIDTH REQUIRED= 2 X .2= .4"
EXIT WIDTH PROVIDED= 34"

### LIFE SAFETY PLAN

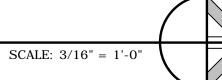
TENNIS BUILDING SCALE: 3/16" = 1'-0" (SEE SHT. A251 FOR ADDITIONAL LIFE SAFETY INFORMATION)





### ROOF PLAN

TENNIS BUILDING



DOOR SCHEDULE (SEE SHT. A901 FOR ADDITIONAL DOOR DETAILS & INFORMATION)														
MARY	DOOR			SIZE		FRAME			LADEI	DEMARKS	HDWR			
MARK	ROOM	MATERIAL	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	HEAD	JAMB	THRESHOLD	LABEL	REMARKS	SET
202	TENNIS OFFICE	ALUM/LGL	С	3'-0"	6'-8"	1 3/4"	ALUM	С	7/A901	7/A901	5/A901	N/A	_	_
203	TENNIS EQUIP. CLOS.	IHM	G	(2) 3'-0"	6'-8"	1 3/4"	НМ	F	6/A901	6/A901	5/A901	N/A	_	_

### PLAN LEGEND

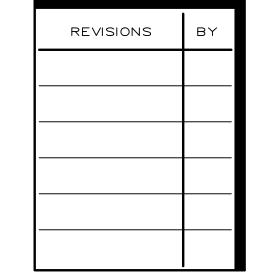
- LINES (DASHED) OF ROOF OVERHANG ABOVE, TYP.
- LINES (DASHED) OF EXTERIOR SOFFIT, EYEBROW OR BEAM ABOVE, TYP.
- FIRE ALARM SYSTEM MANUAL PULL-STATION, TYP. (SEE 'FA' DWGS.)
- VENEER STONE TO MATCH EXISTING VENEER STONE ON BUILDING, TYP.
- BUILT-IN CASEWORK TO BE PROVIDED BY G.C. & CABINETRY SUB-CONTRACTOR / VENDOR COORDINATED W/ OWNER. VENDOR TO PROVIDE DETAIL SHOP DWGS. FOR OWNER APPROVAL PRIOR TO ANY ORDERS OR FABICATIONS, TYP. (SEE I.D. DWG'S)
- TABLES, CHAIRS & OTHER FURNISHINGS, (SEE I.D. DWG'S)
- PORTABLE FIRE EXTINGUISHER IN EITHER A SEMI-RECESSED CABINET OR W/ WALL-MOUNTED HOOK, TYP. (SEE A251 & A252), TYP.
- WALL-MOUNTED WIDE SCREEN T.V. W/ POWER & CABLE / DATA CONNECTION, TYP. (SEE 'ID' & 'E' DWGS.), TYP. (G.C. CONFIRM & COORDINATE MOUNTING HEIGHT WITH I.D. PRIOR TO ELECT. ROUGH-IN SO OUTLETS ARE CONSEALED BEHIND THE SCREEN. PROVIDE SOLID PLYWD. BACKING BTWN. STUDS, TYP.)
- 3 ATTIC ACCESS PANEL @ CLG, TYP.
- H.V.A.C. CONDENSING UNIT ATTACHED TO CONC. PAD, TYP. (SEE MEP' DWGS.)
- 11 H.V.A.C. AIR-HANDLING UNIT, TYP. (SEE 'MEP' DWGS.)
- RESIDENTIAL TYPE REFRIGERATOR FREEZER W/ ICE MAKER, TYP. (SEE 'E' & 'P' DWGS.)
- ELECTRIC WATER-HEATER UNIT, TYP. (SEE 'E' & 'P' DWGS.)
- 24" X 24" FLOOR-MOUNT MOP SINK. (SEE 'P' DWGS.)
- \$\sqrt{15}\$ STACK OVEN & MICROWAVE UNIT (SEE I.D. DWG'S)
- 34" H. X 24 D. P. LAM. ON PLYWD. BASE CABINET W/ SOLID SURFACE COUNTER & SPLASH, TYP. (SEE I.D. DWG'S)
- 14" D. X 30" H. P. LAM. ON PLYWD. UPPER CABINETS, TYP. (SEE INTERIOR ELEVATIONS)
- 18" D. X 42" H. SOLID SURFACE COUNTER (OPEN BELOW) ON PLYWD. & WELDED TUBE-STL. FRAME ATT. TO WALL, TYP.
- SOLID PANEL TOILET PARTITION SYSTEM. (SEE I.D. DWG'S)
- STAINLESS STL. UNDER-COUNTER MOUNT SINGLE-BOWL SINK W/ ELECTIC WASTE DISPOSER UNIT, TYP. (SEE 'E' & 'P' DWGS.)
- WALL-MOUNT ADULT BARRIER-FREE LAV., TYP. (SEE 'P' DWGS.)
- FLOOR-MOUNT ADULT BARRIER-FREE WATER-CLOSET, TYP. (SEE 'P' DWGS.)
- 23 UNDER-COUNTER MOUNTED LAVS.
- FLOOR-MOUNT STD. HEIGHT WATER-CLOSET, TYP. (SEE 'P' DWGS.)
- 25 WALL MOUNT URINALS
- EXISTING ELECTRICAL SERVICE LOCATION, METER & MAIN DISCONNECT SWITCH, TYP. (SEE 'E' DWGS.)
- EXERCISE EQUIPMENT (SEE GYM EQUIPMENT VENDOR'S DWG'S)
- ELECTRICAL PANEL, TYP. (SEE 'E' DWGS.)
- 29 WALL-MOUNT HI-LOW TANDEM WATER COOLERS

### ROOF PLAN LEGEND

- EXISTING FLAT CEMENT TILE ROOF SYST. (LIGHT BROWN COLOR) TO REMAIN, TYP.
- NEW FLAT CEMENT TILE ROOF SYST (COLOR & STYLE TO MATCH EXISTING & BE PRE-APPROVED BY THE ARCHITECT) SCREW & CLIP FASTENED OVER 90 LB. ROOFING UNDERLAYMENT HOT-MOPPED OVER 30 LB. BITUMINOUS FELT TIN-TAG NAILED TO %" FIRE-RETARDENT PLYWOOD SHEATHING SCREW FASTENED PER N.O.A. & MFR. PUBLISHED INSTRUCTIONS TO PRE-ENGINEERED, PRE-FAB. WOOD TRUSS SYST. ATTACHED TO STRUCTURE, (SEE 'S' DWGS.)
- 3-PLY MODIFIED BITUMINOUS ROOFING SYST. OF GRANULAR IMPREGNATED CAP SHEET HOT-MOPPED OVER MODIFIED BITUMEN INTER-PLY MEMBRANE HOT-MOPPED OVER 80 LB. NAIL-ABLE BASE SHEET MECHANICALLY FASTENED TO 5/8" FIRE-RETARDANT PLYWD. SHEATHING SLOPED @ 1/4" PER FT. SCREW FASTENED PER N.O.A. & MFR'S. PUBLISHED INSTRUCTIONS TO PRE-ENGINEERED, PRE-FAB. WOOD TRUSS SYST. ATTACHED TO STRUCTURE, TYP. (SEE 'S' DWGS.)
- CRICKET OF TYP. 3-PLY MODIFIED BITUMENOUS ROOF SYST., TYP.
- AREA OF PORTION OF THE EXISTING TILE ROOF & SHEATHING BEING REMOVED ONLY AS NEEDED FOR INSTALLATION OF NEW BLENDED ROOF SYSTEMS, SUPPORT STRUCTURE, WATERPROOF SEALED FLASHING,
- PROVIDE CONT. TWO PIECE ALUM. FLASHING & COUNTER-FLASHING @ WALL TERMINATION OF NEW LOW-SLOPED ROOF SYST. SCREW FASTENED PER N.O.A. & MFR'S. PUBLISHED INSTRUCTIONS TO SHEATHING, TYP.
- PROVIDE WATER-PROOF DETAIL BLENDING NEW FASCIA TO THE EXISTING FASCIA (NOTIFY THE ARCHITECT OF THE INTENDED ROOF / FASCIA BLENDING DETAIL FOR FIELD REVIEW PRIOR TO INSTALLATION), TYP.
- PROVIDE CONT. BREAK-METAL ALUM. FLASHING @ INTERSECTION OF NEW LOW-SLOPED ROOF SYST. WITH THE EXISTING (OR NEW) PITCHED CEMENT TILE ROOF SYST. & AT ALL NEW VALLEYS, SCREW FASTENED & WATERPROOF SEALED PER N.O.A. & MFR'S. PUBLISHED INSTRUCTIONS TO SHEATHING, TYP.
- PROVIDE CONT. ALUM. DRIP-EDGE FLASHING @ FASCIA / EDGE OF ALL NEW LOW-SLOPED 3-PLY MODIFIED BITUMENOUS OR NEW PITCHED CEMENT TILE ROOF SYSTEMS, SCREW FASTENED & WATERPROOF SEALED PER N.O.A. & MFR'S. PUBLISHED INSTRUCTIONS TO SHEATHING,

### ROOF PLAN NOTES

- G.C. & ROOFING CONTRACTOR TO PROVIDE ALL MATERIALS & LABOR NECESSARY TO BLEND THE NEW ROOF SURFACES, FASCIAS & SOFFITS TO BE COMPLETELY WATERPROOF SEALED & IN AN AESTHETIC MANNER ACCEPTABLE TO THE ARCHITECT, TYP.
- 2. G.C. & ROOFING CONTRACTOR TO PROVIDE THE OWNER WITH COMPLETE MANUFACTURER & VENDOR DOCUMENTATION FOR A 20-YEAR WARRANTY FOR BOTH THE 3-PLY MODIFIED BITUMENOUS & CEMENT TILE ROOF SYSTEMS, TYP.





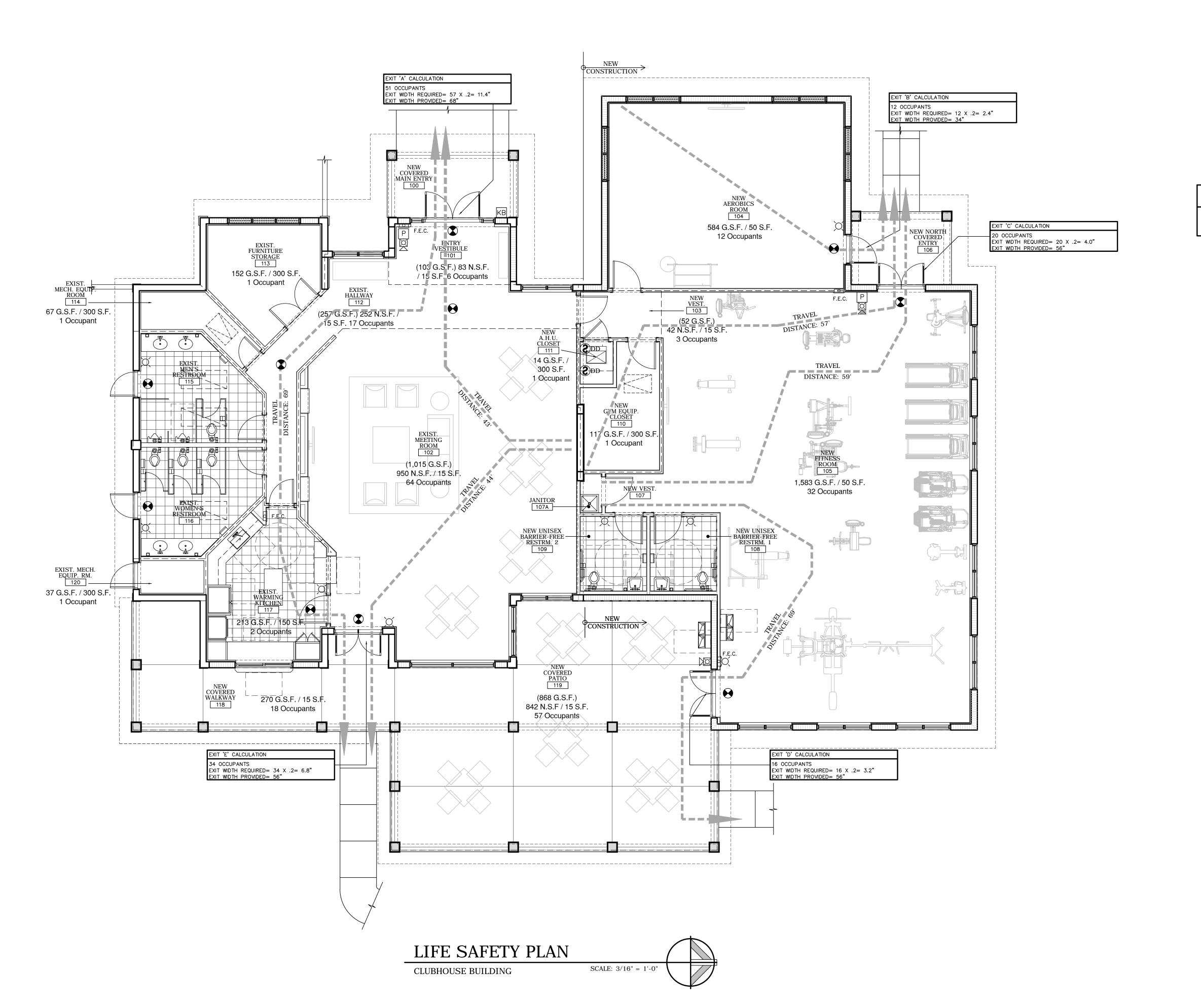
### WOODFIELD HUNT CLU CLUBHOUSE RENOVATION AND EXPANSION

SLATTERY & ASSOCIATES

DRAWN
CR, DR
CHECKED
CR
DATE
7-21-16
SCALE
AS NOTED
JOB NO.
2014-33
SHEET

**ENNIS** 

4204



	LIFE SAFETY KEY
	EXIT LIGHT. (WALL OR CEILING MOUNTED)
KB	BUILDING KNOX BOX (SURFACE WALL MOUNTED)
P	FIRE ALARM MANUAL PULL STATION. (WALL MOUNTED)
	FIRE ALARM HORN / STROBE COMBO. (SURFACE WALL MOUNTED)
X	FIRE ALARM STROBE. (SURFACE WALL MOUNTED)
FEC	FIRE EXTINGUISHER. (MOUNTED IN CABINET)
FE O	FIRE EXTINGUISHER. (WALL MOUNTED)

### LIFE SAFETY LEGEND

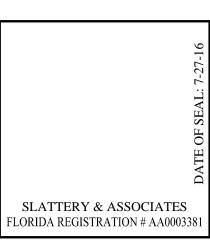
TRAVEL MAXIMUM TRAVEL DISTANCE
DISTANCE: 200' (MAXIMUM TRAVEL DISTANCE = 200')

REVISIONS	BY



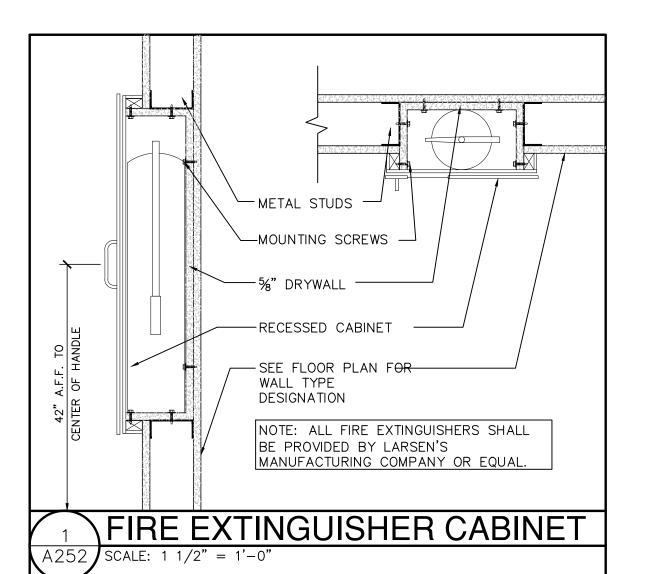
WWW.SLATTERYARCHITECTS.COM

### IT CLUB VATION ON VD. WOODFIELD



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	drawn CR, DR
_	CHECKED CR
LAI	DATE 7-21-16
Ы	SCALE AS NOTED
<u>.                                     </u>	JOB NO. 2014—33
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SA	A251

LIFE



FIRE EXTINGUISHE	ER CALCULATIONS
ASSEMBLY - LIGHT (LOW) HAZARD 4,648 S.F. @ 1 PER 3,000 S.F.	= 1.55 CALCULATED = 2 REQUIRED
	= 4 PROVIDED
FIRE EXTINGUISHER TYPE.	
2A: 10b: C. PER TABLE 5.2.1 OF 2009 NF	PA 10 (CLASS "A" HAZARD)

PLUMBING, M	INIMUM FACILITIES	2014 FPC -	TABLE 403.1
OCCUPANT LOAD: 216 OCCUP	PANTS (CALCULATED AS 'A-3 ASSEMBLY' PE	ER FBC-P, 403	.1)
FIXTURE TYPE	REQUIRED PER OCCUPANTS	REQUIRED	PROVIDED
MALE (108 OCC.):			
WATER CLOSETS LAVATORIES URINALS (2014 FPC 419) (SUBSTITUTION)	1: 125 1: 200 NO MORE THAN 67% OF WC	1 1 0	2 3 2
FEMALE (108 OCC.):			
WATER CLOSETS LAVATORIES	1:65 1:200	2 1	4 3
DRINKING FOUNTAINS (OR CO SERVICE SINKS	ONTRACT WATER DISPENSER) 1:500	1 1	4 1

### INTERIOR FINISH CLASSIFICATION OTHER SPACES OCCUPANCY ACCESS ASSEMBLY (A-3)

- WHEREVER THE USE OF CLASS C INTERIOR WALL AND CEILING FINISH IS REQUIRED, CLASS A OR CLASS B SHALL BE PERMITTED. WHERE CLASS B INTERIOR WALL AND CEILING FINISH IS REQUIRED, CLASS A SHALL BE PERMITTED.
- REFERENCE 2014 FBC TABLE 803.5 AND 2003 NFPA 101.

### GENERAL LIFE SAFETY NOTES

- THIS PROJECT IS TO BE CONSTRUCTED UNDER THE PROVISIONS OF THE FLORIDA BUILDING CODE 2014 EDITION, NFPA 1 AND NFPA 101, ADA, FLORIDA STATE STATUTES AND ALL OTHER APPLICABLE CODES.
- REFER TO (ARCH.) FLOOR PLANS FOR ROOM NAME, ROOM NUMBER, LOCATION OF SPECIFIC PARTITION DETAILS & WALL TYPES.
- NET AREAS ARE CALCULATED WITH FIXED ELEMENTS SUCH AS WALLS. LOCKERS, COLUMNS, CABINETS, ETC, EXCLUDED.
- 4. ALL BUILDING AREAS CALCULATED TO OUTSIDE FACE OF EXTERIOR WALL.
- 5. FOR ALL EMERGENCY LIGHTING, SEE 'E' DRAWINGS.
- 6. EXIT SIGNS SHALL BE MOUNTED AT DISTANCES NOT TO EXCEED 100'-0."

### EXIT DOOR NOTES

- EXIT DOORS SHALL NOT BE LOCKED FROM EGRESS AND SHALL CONFORM TO 1008.1.8.3 (LOCKS AND LATCHES) 1008.1.8.6 (DELAYED EGRESS LOCKS)
- DOORS NOTED SHALL BE EQUIPPED WITH A SPECIAL LOCKING ARRANGEMENT AS
- A.) UNLOCK UPON FIRE ALARM ACTIVATION
- B.) UNLOCK UPON LOSS OF POWER CONTROLLING THE LOCK OR LOCKING MECHANISM AND,
- C.) INITIATE AN IRREVERSIBLE PROCESS WHICH WILL RELEASE THE LATCH IN NOT MORE THAN 15 SECONDS WHEN A FORCE OF NOT MORE THAN 15 POUNDS IS APPLIED FOR 1 SECOND TO THE RELEASE DEVICE. THE INITIATION OF THE REL SIGNAL IN THE VICINIT EGRESS THAT THE SYST BEEN RELEASED BY THE RELOCKING SHALL BE
- D.) THE DOOR LOCKS SHALL SIGNAL FROM THE FIRE COMMAND CENTER.
- E.) ON THE WALL ADJACENT TO THE RELEASE DEVICE A SIGN SHALL BE "PUSH UNTIL ALARM SOUNDS,
- F.) EMERGENCY LIGHTING SHALL BE PROVIDED AT THE DOOR.

### RATED ASSEMBLIES

\*RATED DOOR ASSEMBLIES IN EXTERIOR 1 HR RATED WALLS SHALL BE 3/4 HOUR RATED PER

\*RATED DOOR ASSEMBLIES IN INTERIOR 1 HR RATED CORRIDOR WALLS SHALL BE 3/4 HOUR RATED PER FBC TABLE 715.4.

PANELS WITH A OPENING FIRE PROTECTION RATING OF 45 MINUTES PER FBC TABLE 715.4 WITH MAXIMUM AREA AND DIMENSIONS PER FBC TABLE 715.4.3.

\*WIRED GLASS PANELS SHALL BE INSTALLED IN ALL FIRE RATED GLAZING COMPONENTS IN ACCORDANCE WITH FBC 715.4.3.

THRU ? FOR DOOR AND WINDOW DESIGNATIONS.

### FIRE SPRINKLER SYSTEM NOTES

- THE CONTRACTOR SHALL INSTALL A FULLY SPRINKLERED FIRE SUPPRESION SYSTEM IN ACCORDANCE WITH NFPA-13.

LIGHT HAZARD AREAS DESIGNED FOR 0.1 GPM / SF AND A MAXIMUM OF

3. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS.

### EXISTING BUILDING RENOVATION DATA

### GENERAL DESCRIPTION OF PROPOSED PROJECT:

THE SCOPE OF THIS PROJECT INCLUDES THE INTERIOR RENOVATIONS AND ADDITIONS TO THE EXISTING WOODFIELD HUNT CLUB 1-STORY PRIVATE COMMUNITY CLUBHOUSE BUILDING AS INDICATED. THE BUILDING IS LOCATED AT 4420 WOODFIELD BLVD., BOCA RATON. FLORIDA. RENOVATION INCLUDES INTERIOR DEMOLITION FOR REMODELING AND EXTERIOR DEMOLITION INCLUDING REMOVAL OF THE ROOFED OPEN AIR SOUTH CANOPY TO ACCOMMODATE THE NEW ADDITION. THE RENOVATION OF THE EXISTING INCLUDES DEMOLITION OF SOME INTERIOR PARTITIONS, CEILINGS, FIXTURES, FINISHES, CASEWORK, LIGHTING, POWER, LOW VOLTAGE VOICE-DATA AND PLUMBING FIXTURES FOR REPLACEMENT WITH NEW. THE ENTIRE BUILDING (BOTH EXISTING AND NEW) WILL RECEIVE MATCHING IMPACT RATED WINDOWS AND DOORS. THE ADDITION, WHICH RECEIVED SITE PLAN AND C.A.B. APPROVAL IN JAN. 2016. INCLUDES INSTALLATION OF FOUNDATIONS, FLOOR SLAB, EXTERIOR BEARING WALLS, ROOF TRUSSES, A ROOF SYSTEM WITH TILE TO MATCH THE EXISTING. CEILINGS. WALL AND ATTIC INSULATION. PARTITIONS. TWO NEW UNISEX BARRIER-FREE RESTROOMS, FITNESS ROOM, AEROBICS ROOM AND STORAGE ROOM, FINISHES. FIXTURES, POWER LIGHTING, HVAC, LOW VOLTAGE VOICE DATA AND PLUMBING. ALSO INCLUDED IS THE CONSTRUCTION OF A NEW ROOFED PAIO AREA AT THE WEST SIDE. THE ONLY SITE IMPROVEMENTS INCLUDE TIE-IN OF NEW PLUMBING AND INSTALLATION OF LANDSCAPING AND IRRIGATION AROUND THE NEW ADDITION.

BUILDING CODE \_\_\_\_\_\_ FLORIDA BUILDING CODE, 2014 EDITION.

### CODE DATA:

BUILDING CODE FOR EXISTINGBUILDINGS	FLORIDA EXISTING BUILDING CODE, 2014 EDITION.
LIFE SAFETY CODE	N.F.P.A. 101, LIFE SAFETY CODE, 2014 EDITION
HANDICAP ACCESSIBILITY CODE	FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION (CHAPTER #11 2014 FLORIDA BUILDING CODE)
PLUMBING CODE	FLORIDA PLUMBING CODE, 2014 EDITION
MECHANICAL CODE	FLORIDA MECHANICAL CODE, 2014 EDITION
ELECTRICAL CODE	FLORIDA ELECTRIC CODE 2014 EDITION NATIONAL ELECTRICAL CODE, 2011 EDITION
ENERGY CODE	FLORIDA ENERGY CODE, (CHAPTER #13, 2014 FLORIDA BUILDING CODE)
FIRE PREVENTION CODE	FLORIDA FIRE PREVENTION CODE, (BASED ON N.F.P.A1 & N.F.P.A101, 2012 EDITION)
FIRE ALARM CODE	NATIONAL FIRE ALARM CODE (N.F.P.A 72, 2010 EDITION)
FIRE EXTINGUISHER CODE	PORTABLE FIRE EXTINGUISHERS (N.F.P.A 10, 2010 EDITION)
BUILDING CONSTRUCTION, RENOVATION & DEMOLITION CODE	STANDARDS FOR SAFEGUARDING CONSTRUCTION, ALTERATIONS & DEMOLITION OPERATIONS (N.F.P.A 241, 2009 EDITION)
FIRE SPRINKLER CODE	(NOT APPLICABLE)
O.S.H.A TITLE 29 / LABOR	(CURRENT EDITION)
NOTE: THE GENERAL CONTRACTOR AND THE	IR SUB-CONTRACTORS REMAIN RESPONSIBLE FOR

ASSURING THAT ALL INSTALLATIONS MADE AS PART OF OR IN ASSOCIATION WITH THIS PROJECT ARE TO PROCEED IN STRICT COMPLIANCE WITH ANY AND ALL APPLICABLE CODES, ORDINANCES OR REGULATIONS WHETHER REFERENCED HEREIN OR NOT.

MAXIMUM ALLOWABLE BUILDING AREA \_\_\_\_\_\_\_ 6,000 G.S.F.

TOTAL PROPOSED BUILDING AREA:

MAXIMUM ALLOWABLE BUILDING HEIGHT \_\_\_\_\_\_ 40 FT.

MAXIMUM ALLOWABLE NUMBER OF STORIES \_\_\_\_\_\_ 2 (TWO)

OCCUPANCY LOAD (FBC 1004)

EGRESS & LIFE SAFETY REQUIREMENTS (FOR RENOVATION):

EXIST. A/C FLOOR AREA: 2,156 G.S.F.

NEW ADDITION A/C FLOOR AREA: \_\_\_\_\_ 2,494 G.S.F.

PROPOSED BUILDING HEIGHT \_\_\_\_\_\_ 28 FT. (PEAK), 19 FT. (MID)

PROPOSED NUMBER OF STORIES \_\_\_\_\_\_ 1 (ONE) (EXIST. TO REMAIN)

(KITCHEN)

FIRE-SPRINKLER SYSTEM \_\_\_\_\_\_ NO, UN-SPRINKLERED

MONITORED FIRE ALARM SYSTEM (FBC 907) \_\_\_\_\_\_ NO, NOT INCLUDED

MINIMUM NUMBER OF EXITS (FBC 1015) \_\_\_\_\_ 1 (ONE)

PROPOSED NUMBER OF EXITS \_\_\_\_\_\_ 3 (THREE)

MAXIMUM TRAVEL DISTANCE (FBC 1016) \_\_\_\_\_ 200 FT.

PROPOSED MAXIMUM TRAVEL DISTANCE \_\_\_\_\_\_ 60 FT.

MAXIMUM COMMON PATH OF TRAVEL (FBC 1014) \_\_\_\_ 100 FT.

MAXIMUM DEAD END CORRIDOR (FBC 1018) \_\_\_\_\_ 20 FT.

PROPOSED MIN. CORRIDOR WIDTH \_\_\_\_\_\_ 46"

MINIMUM CORRIDOR WIDTH (FBC 1018)

PROPOSED MAX. COMMON PATH OF TRAVEL (NONE PROPOSED)

PROPOSED MAX. DEAD END CORRIDOR (NONE PROPOSED)

MINIMUM EGRESS STAIR WIDTH (FBC 1005) .3 IN. PER OCCUPANT

PROPOSED MIN. EGRESS STAIR WIDTH \_\_\_\_\_ (NOT APPLICABLE)

4,650 G.S.F.

(A-3 ASSEMBLY) \_\_\_\_\_ 2,431 N.S.F. ÷ 15 S.F./OCC. =

(EXERCISE) \_\_\_\_\_ 2,167 G.S.F. ÷ 50 S.F./OCC. =

165 OCC.

44 OCC.

2 OCC.

(MECHANICAL & CLOSET) \_\_\_ 350 G.S.F. ÷300 S.F./OCC. =

 $213 \text{ G.S.F.} \div 150 \text{ S.F./OCC.} =$ 

TOTAL OCCUPANTS = 215 OCC.

### RENOVATION & ADDITION CLASSIFICATIONS:

PROPOSED BUILDING AREAS:

ON I DECOME TO THE MEETINGE DEVICE. THE	KENOVIIION & REPRITOR CEREBRITIONS.
ELEASE PROCESS SHALL ACTIVATE AN AUDIBLE	
NITY OF THE DOOR TO ENSURE THOSE ATTEMPTING TO	LEVEL OF ALMEDIATION (TRO EVICTING DIVIDING 1001)
STEM IS FUNCTIONAL. ONCE THE DOOR LOCK HAS	LEVEL OF ALTERATION (FBC-EXISTING BUILDING, 1001) ALTERATION LEVEL 3
HE APPLICATION OF FORCE TO RELEASING DEVICE,	
E BY MANUAL	OCCUPANCY CLASSIFICATION (FBC 302 & NFPA 3.3.134) A-3 ASSEMBLY
IALL HAVE THE CAPABILITY OF BEING UNLOCKED BY A	CONSTRUCTION TYPE (FBC TABLE 503 & NFPA 8 2 1) TYPE V-B. UN-SPRINKLERED
RE COMMAND CENTER.	CONSTRUCTION TYPE (FBC TABLE 503 & NFPA 8.2.1) TYPE V-B, UN-SPRINKLERED

### DOOR CAN BE OPENED IN 15 SECONDS.

\*INTERIOR WINDOWS IN RATED CORRIDOR WALLS SHALL BE CONSTRUCTED OF WIRED GLASS

\*SEE SHEET? FOR DOOR SCHEDULE INDICATING RATED DOOR ASSEMBLIES. SEE SHEETS?

2. HAZARD AREAS PER 61G15-32:

225 SF / SPRINKLER:

ORDINARY HAZARD AREAS DESIGNED FOR 0.15 GPM / SF AND A MAXIMUM OF

ORDINARY HAZARD AREAS DESIGNED FOR 0.2 GPM / SF AND A MAXIMUM OF 130 SF /SPRINKLER:

- 4. SEPARATE PERMIT REQUIRED BY FIRE SPRINKLER SUB-CONTRACTOR.

		REVISIONS
MINIMUM EGRESS DOOR WIDTH (FBC 1005)	2 IN. PER OCCUPANT	
	215 OCC. X .2 IN. = 43.0 IN.	
TOTAL EGRESS DOOR WIDTH PROVIDED	_ 270 IN. (CLEAR)	
PROPOSED MIN. EGRESS DOOR WIDTH	_ 34 IN. (CLEAR)	
MINIMUM EXIT CLEAR HEIGHT (FBC 1003)	_ 7'-6" TYP. & 6'-8" @ DOORS &	
	OBSTRUCTIONS	
PROPOSED EXIT CLEAR HEIGHT (FBC 1003)	_ 8'-0" TYP. & 6'-8" @ DOORS	
FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELI	EMENTS:	Clattory
HAZARD CLASSIFICATION OF CONTENTS (NFPA CH. 6)	ORDINARY	Stattery
MAXIMUM PORTABLE FIRE EXTINGUISHER TRAVEL DISTANCE (NFPA-10 CH. 5)	_ 75 FT.	
DISTANCE FROM BUILDING TO COMMON OR ASSUMED PROPERTY LINE:	-	
NORTH	_ 10 FT.	
EAST	_ 25 FT.	
SOUTH	_ 70 FT.	

0 HRS., REQ'D. OPG. = 15 %

PROVIDED = 7%

PROVIDED = 12%

PROVIDED = 18%

PROVIDED = 12%

\_\_\_\_ 0 HRS., REQ'D. OPG. = 70 %

\_\_ 0 HRS., REQ'D. OPG. = U/L %

0 HRS., REQ'D. OPG. = 45 %

\_\_\_\_ X HRS., REQ'D. OPG. = XX %

PROVIDED = XX% (N/A)

PROVIDED = XX% (N/A)

PROVIDED = XX% (N/A)

PROVIDED = XX% (N/A)

**X** HRS., REQ'D. OPG. = XX %

PROVIDED = XX% (N/A)

X HRS., REQ'D. OPG. = XX %

PROVIDED = XX% (N/A)

PROVIDED = XX% (N/A)

\_\_\_ X HRS., REQ'D. OPG. = XX %

PROVIDED = XX% (N/A)

\_\_\_\_\_ SYSTEM PROVIDED: NO

\_\_\_\_\_ SYSTEM PROVIDED: NO

\_\_\_\_\_ SYSTEM PROVIDED: YES

\_\_\_\_\_ SYSTEM PROVIDED: YES

\_\_\_\_\_ SYSTEM REQ'D.: NO

X HRS., REQ'D. OPG. = XX %

X HRS., REQ'D. OPG. = XX %

X HRS., REQ'D. OPG. = XX %

EXTERIOR BEARING WALLS (PER FBC TABLES

EXTERIOR NON-BEARING WALLS (PER FBC TABLES \_\_\_\_\_

OCCUPANCY SEPARATION (HORIZONTAL AND \_\_\_\_\_\_ N/A

TENANT SEPARATION (HORIZONTAL AND VERTICAL \_\_\_\_\_ N/A

PARTY & FIRE WALLS (PER FBC 705 & 706) N/A

INTERIOR BEARING WALLS (FBC TABLE 601) \_\_\_\_\_ N/A

INTERIOR NON-BEARING WALLS (FBC TABLE 601) N/A

ATRIUM SEPARATION (FBC 404) \_\_\_\_\_ N/A

CORRIDOR (FBC 1016.1) \_\_\_\_\_\_ N/A

CEILING SPACE SMOKE-DRAFT STOPS \_\_\_\_\_\_ 3,000 S.F., MAX. (N/A)

TERMINATION ROOM (FBC TABLE 601) (NOT APPLICABLE)

VERTICAL SHAFTS (FBC 707.1, 707.4 & NFPA 8.2.5) X HRS., REQ'D. OPG. = XX %

AUTOMATIC FIRE SPRINKLER SYSTEM (FBC 903) \_\_\_\_\_ SYSTEM REQ'D.: NO

AUTOMATIC FIRE ALARM SYSTEM (FBC 907) \_\_\_\_\_\_ SYSTEM REQ'D.: NO

EMERGENCY BACKUP POWER GENERATOR SYSTEM \_\_\_\_\_ SYSTEM REQ'D.: NO

VERTICAL (PER FBC 706.37A, NFPA TABLE 6.1.14.4.1)

EXIT ACCESS CORRIDOR (FBC

COLUMNS (FBC TABLE 601)

BEAMS / GIRDERS (FBC TABLE 601)

FLOOR / CEILING (FBC TABLE 601)

ROOF / CEILING (FBC TABLE 601)

STAIRS (FBC )

CHUTES (FBC -- & NFPA 9.5)

FIRE PROTECTION / LIFE SAFETY SYSTEMS

FIRE STAND PIPES SYSTEM (FBC 905.1

ELEVATORS (FBC & NFPA 9.4)

FIRE & SMOKE SEPARATION

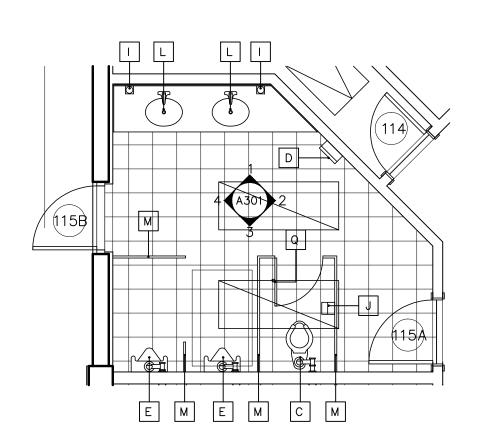
(PER FBC 706.3.6 & 302.3.2)

### **ARCHITECTS PLANNERS** 2060 NW BOCA RATON BLVD SUITE 2 •

### BOCA RATON, FL 33431 TEL: 561-392-3848 • FAX: 561-392-5402 • WWW.SLATTERYARCHITECTS.COM CLUB

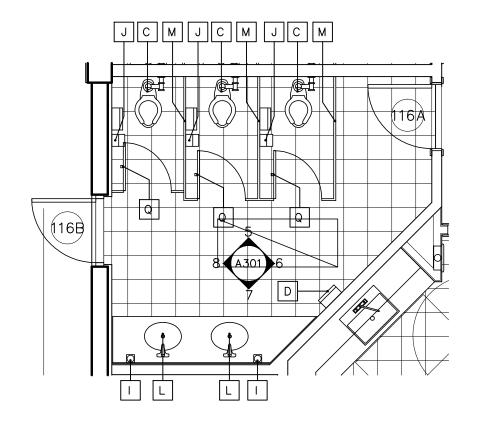
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### RESTROOM PLAN

SCALE: 1/4" = 1'-0" (SEE 'ID' DWGS. FOR RESTROOM FIXTURE & FINISHES SPECIFICATIONS)

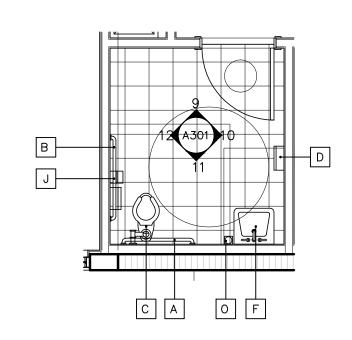


### RESTROOM PLAN

A301

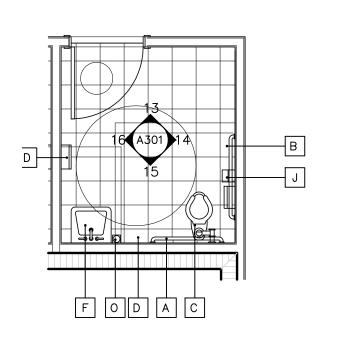
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SCALE: 1/4" = 1'-0" (SEE 'ID' DWGS. FOR RESTROOM FIXTURE & FINISHES SPECIFICATIONS)



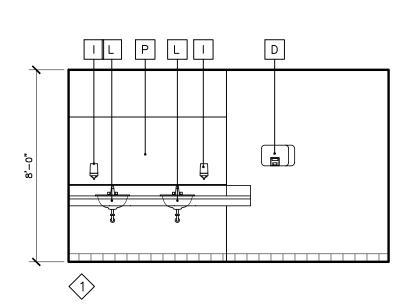
### RESTROOM PLAN

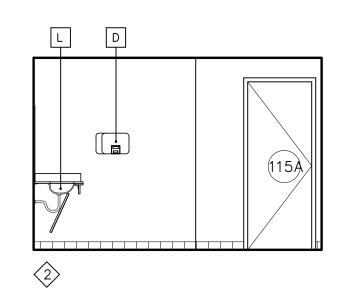
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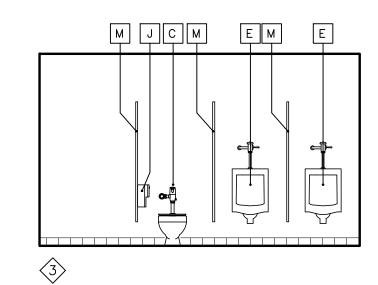


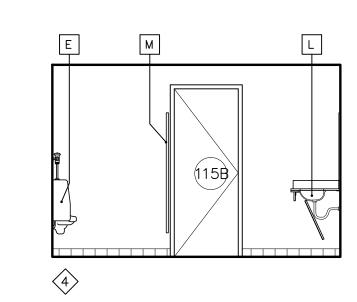
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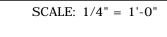


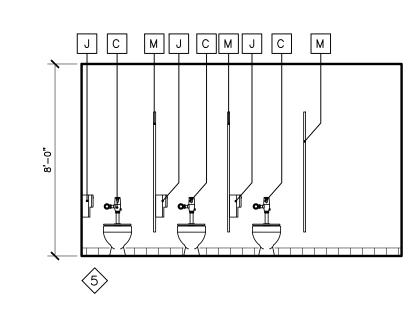


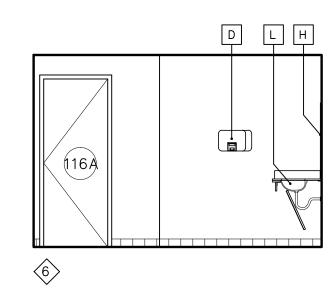


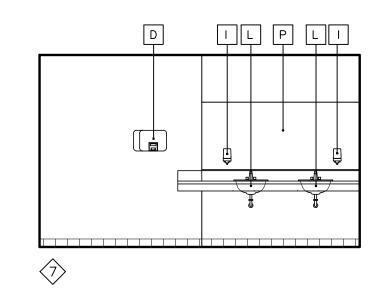
### **ELEVATIONS**

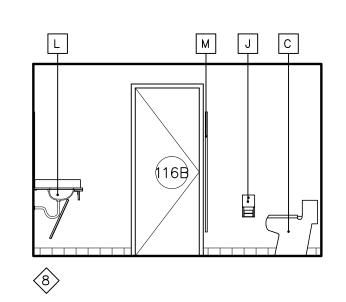
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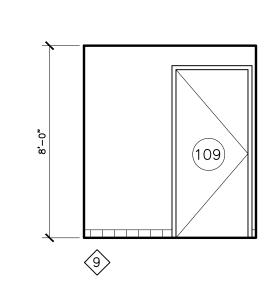


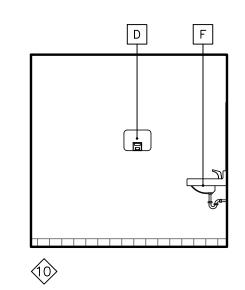




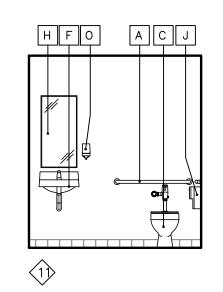


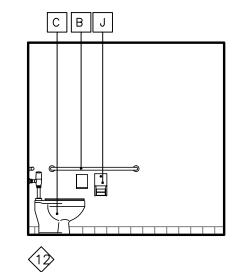
### **ELEVATIONS**





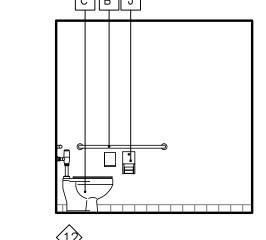
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### **ELEVATIONS**

(SEE 'ID' DWGS. FOR RESTROOM FIXTURE & FINISHES SPECIFICATIONS)



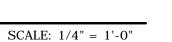
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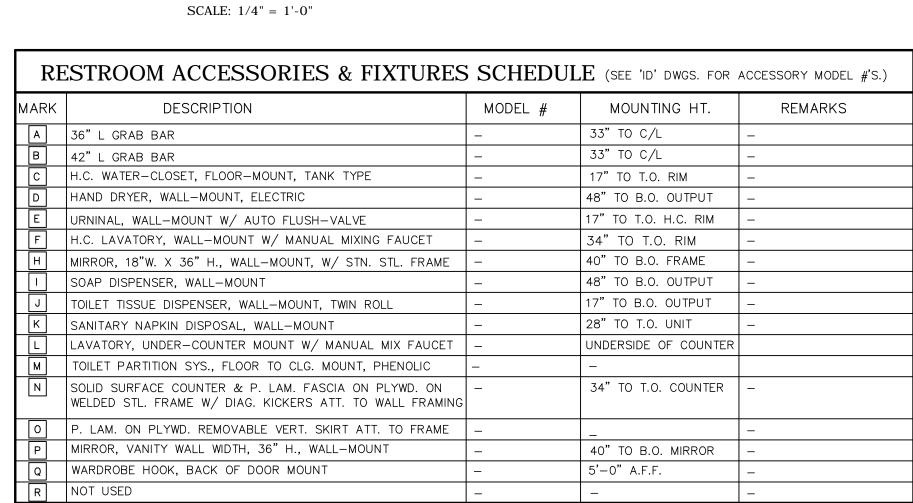
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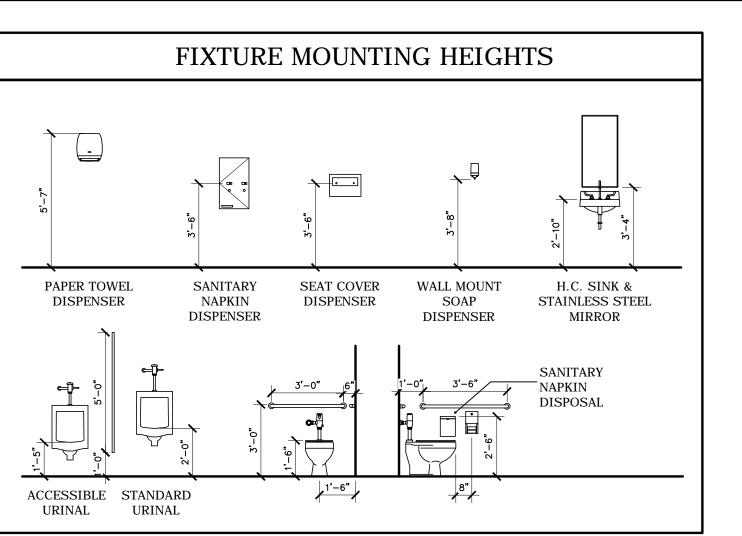
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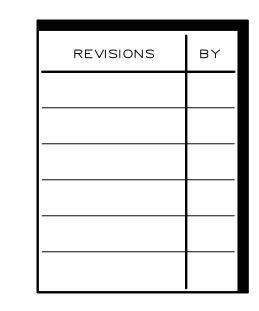
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(SEE 'ID' DWGS. FOR RESTROOM FIXTURE & FINISHES SPECIFICATIONS)



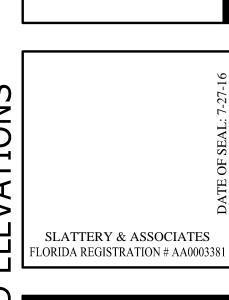




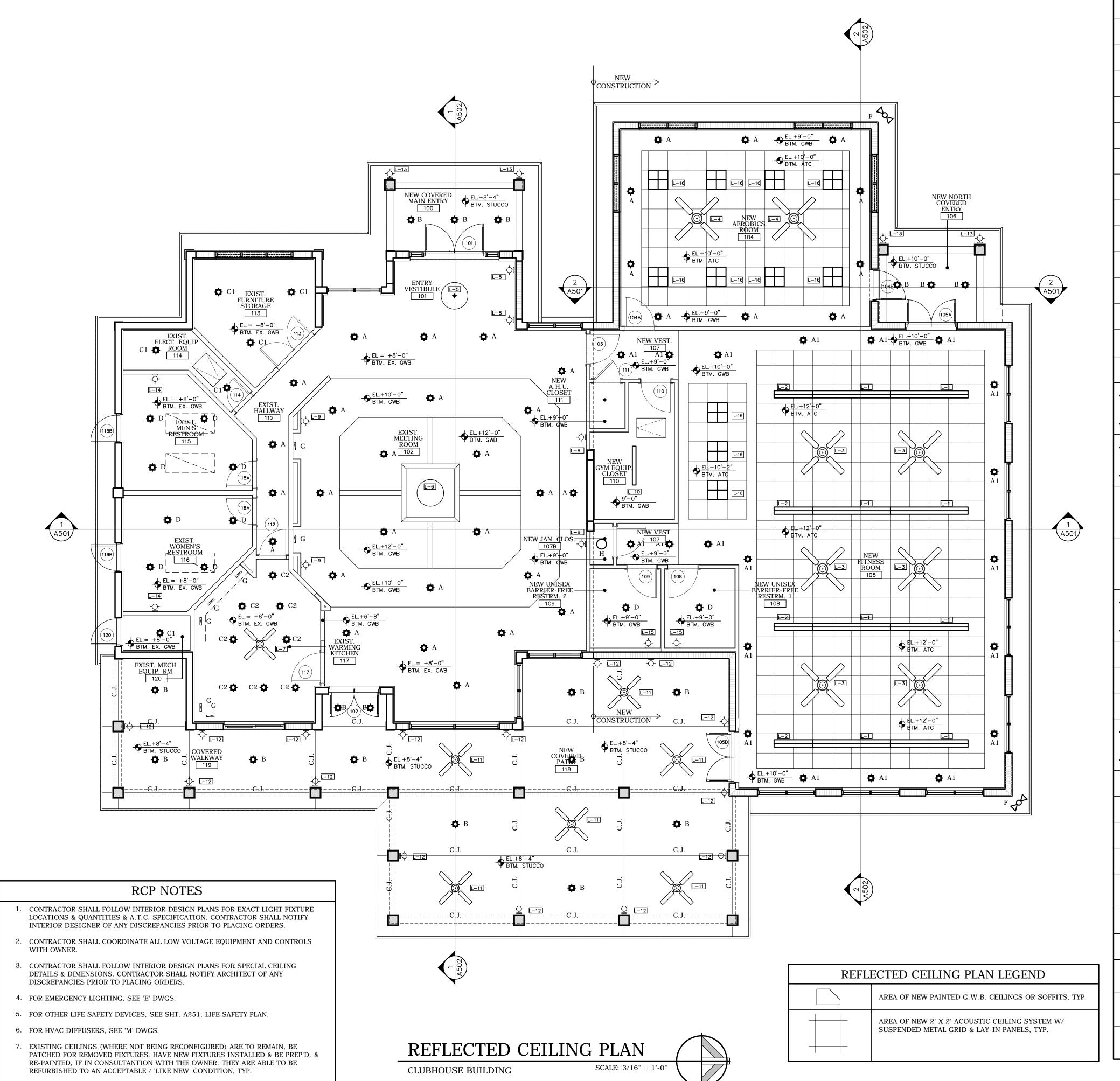




## WOODFIELD



SLATTERY & ASSOCIATES FLORIDA REGISTRATION # AA00033
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A301



REFLECTED CEILING PLAN LEGEND CONT.		
- A	INTERIOR RECESSED 4" DIAM. L.E.D. LAMPED DOWN-LIGHT, TYP.	
AEM	INTERIOR RECESSED 4" DIAM. L.E.D. LAMPED DOWN-LIGHT W/ EMERGENCY BATTERY BACK-UP, TYP.	
A1	INTERIOR RECESSED 4" DIAM. L.E.D. LAMPED DOWN-LIGHT, TYP.	
A1-EM	INTERIOR RECESSED 4" DIAM. L.E.D. LAMPED DOWN-LIGHT W/ EMERGENCY BATTERY BACK-UP, TYP.	
₩ B	EXTERIOR RATED RECESSED 6" DIAM. L.E.D. LAMPED DOWN-LIGHT, TYP.	
B-EM	EXTERIOR RATED RECESSED 6" DIAM. L.E.D. LAMPED	
C1	DOWN-LIGHT W/ EMERGENCY BATTERY BACK-UP, TYP.  RECESSED 6" DIAM. L.E.D. LAMPED DOWN-LIGHT, TYP.	
C2	RECESSED 6" DIAM. L.E.D. LAMPED DOWN-LIGHT, TYP.	
D D	RECESSED 6" DIAM. L.E.D. LAMPED DOWN-LIGHT, TYP.	
E E	RECESSED 6" DIAM. L.E.D. LAMPED DOWN-LIGHT, TYP.	
F F	EXTERIOR SOFFIT-MOUNT TWIN HEAD ADJUSTABLE FLOOD	
G	LIGHT, TYP.  UNDER-COUNTER MOUNT 9" LONG L.E.D. LAMPED	
Н	STRIP-LIGHT, TYP.  CEILING SURFACE-MOUNT 12" DIAM. CIRCLELINE	
L-1	FLUORESCENT W/ WHITE OPAQUE LENS / COVER, TYP.  8' LONG LINEAR PENDANT. L.E.D. LAMPED DIRECT-INDIRECT	
	LIGHT, TYP.	
L-2	4' LONG LINEAR PENDANT. L.E.D. LAMPED DIRECT-INDIRECT LIGHT, TYP.	
L-3	INTERIOR PENDANT MOUNT CEILING FAN, TYP.	
L-4	INTERIOR PENDANT MOUNT CEILING FAN, TYP.	
L-5	PENDANT MOUNT CHANDELIER LIGHT, TYP.	
L-6	PENDANT MOUNT CHANDELIER LIGHT, TYP.	
L-7	INTERIOR PENDANT MOUNT CEILING FAN, TYP.	
I-8	INTERIOR WALL SURFACE-MOUNT L.E.D. SCONCE LIGHT, TYP.	
I-9	INTERIOR WALL SURFACE-MOUNT L.E.D. SCONCE LIGHT, TYP.	
L-10	CEINING SURFACE-MOUNT FLUORESCENT LAMPED STRIP-LIGHT W/ ACRYLIC DIFFUSER LENS, TYP.	
	EXTERIOR PENDANT MOUNT CEILING FAN, TYP.	
L-11		
L-12	EXTERIOR WALL SURFACE-MOUNT L.E.D. SCONCE LIGHT, TYP.	
L-13	EXTERIOR WALL SURFACE-MOUNT L.E.D. SCONCE LIGHT, TYP.	
L-14	INTERIOR DAMP RATED WALL SURFACE-MOUNT L.E.D. SCONCE LIGHT, TYP.	
L-15	INTERIOR DAMP RATED WALL SURFACE-MOUNT L.E.D. SCONCE LIGHT, TYP.	
	INTERIOR CEILING GRID LAY-IN-MOUNT L.E.D. RECESSED LIGHT, TYP.	
L-16	WALL SURFACE-MOUNT LED EXIT SIGN TO MATCH	
X X	BUILDING STANDARD, TYP.  BATHROOM CEILING RECESSED EXHAUST FAN,	
	CONNECT TO DUCT, TYP.  CEILING RECESSED HVAC SUPPLY DIFFUSER,	
	(SEE 'M' DWG'S)	
	CEILING RECESSED HVAC RETURN AIR GRILLE, (SEE 'M' DWG'S)	
	WALL OR SOFFIT RECESS MOUNTED HVAC SUPPLY DIFFUSER, (SEE 'M' DWG'S)	

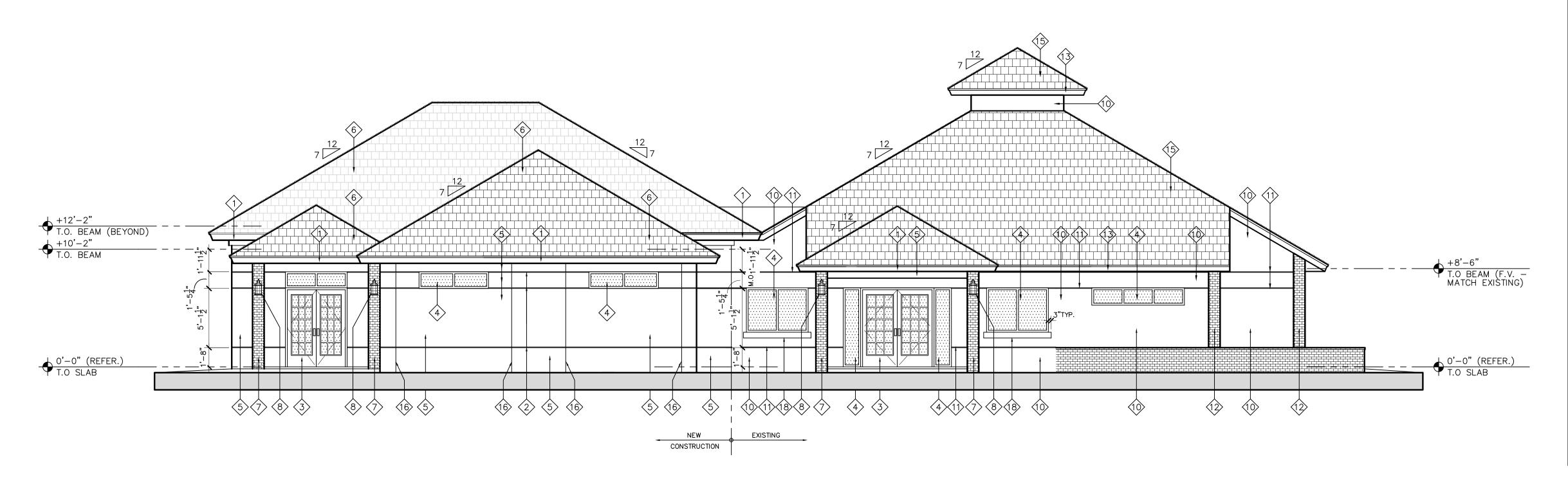
REVISIONS



### IT CLUB VATION ON VD. WOODFIELD

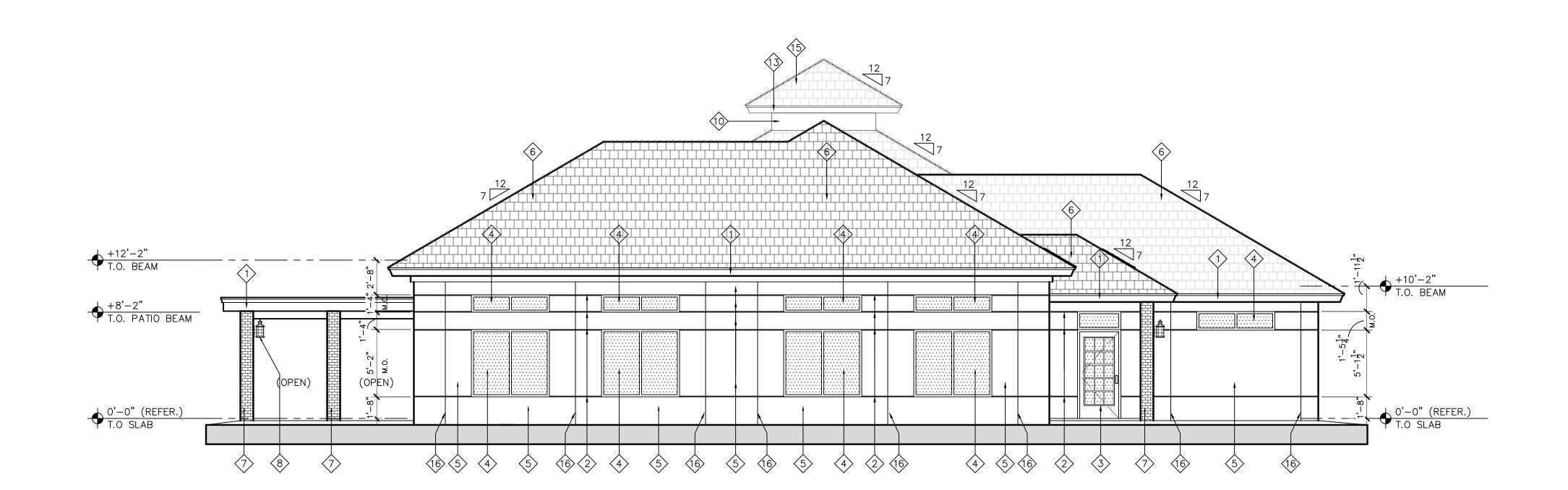
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### WEST ELEVATION

SCALE: 3/16" = 1'-0" CLUBHOUSE



### NORTH ELEVATION

SCALE: 3/16" = 1'-0" CLUBHOUSE

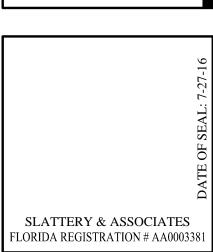
### **ELEVATION LEGEND**

- NEW SHOP PAINTED METAL DRIP-EDGE OVER P.T. WOOD NAILER OVER
- NEW HORIZ. LEVEL 5/8" H. X 5/8" D. PAINTABLE VINYL REGLET REVEAL / CONTROL JOINT, TYP.
- NEW ALUM. FRAMED & LT. GRAY TINTED LAMINATED GLASS, IMPACT RATED, ENTRY DOORS & SIDELIGHT (WHERE SHOWN) W/ WHITE POWDER-COAT FRAME
- NEW ALUM. FRAMED & LT. GRAY TINTED LAMINATED GLASS, IMPACT RATED WINDOWS W/ WHITE POWDER-COAT FRAME FINISH, TYP.
- NEW 5/8" THK. PAINTED STUCCO FINISH TO MATCH EXISTING ON NEW C.M.U. WALLS, TYP.
- 6 NEW CEMENT TILE ROOF SYST. TO MATCH EXISTING, TYP.
- 7 NEW FAUX BRICK VENEER ON STUCCO TO MATCH EXISTING, TYP.
- NEW WALL-MOUNT EXTERIOR SCONCE LIGHT FIXTURE, TYP. (SEE 'I.D.' & 'E' DWGS.)
- 9 NEW HI-LOW WALL-MOUNT WATER COOLERS, TYP. (SEE 'P' DWGS.)
- PROVIDE PREP & NEW 2-COAT PAINT FIN. TO ALL EXISTING STUCCO (PAINT ENTIRE BLDG. TO MATCH), TYP.
- PROVIDE NEW ¾" H. X ¾" D. PAINTABLE VINYL STUCCO REGLET REVEAL / STUCCO CONTROL JOINT @ EXISTING STUCCO (BY SAW-CUT OR CHIP-OUT REMOVE & PATCH-IN) TO ALIGHN W/ REVEALS @ NEW ADDITION, TYP.
- EXISTING FAUX BRICK VENEER ON STUCCO TO REMAIN, TYP.
- EXISTING FASCIA TO REMAIN, TYP.
- NEW INSULATED, IMPACT RATED HOLLOW METAL DOOR(S) & FRAME W/ SHOP PRIME & 2-COAT ROLLED PAINT FINISH TO MATCH BLDG. COLOR, TYP.
- EXISTING CEMENT TILE ROOF SYST. TO REMAIN, TYP.
- NEW VERT. PLUMB STUCCO SCORE-LINE CONTROL JOINT, TYP.
- NEW 10" H. X 3" THK. E.I.F.S. BAND W/ SMOOTH (SAND) TEXTURE FIN. & GLASS-FIBER MESH REINFORCING MASTIC ATT. TO STUCCO. PAINT TO MATCH BLDG., TYP.
- NEW 6" H. X 3" THK. E.I.F.S. BAND W/ SMOOTH (SAND) TEXTURE FIN. & GLASS-FIBER MESH REINFORCING MASTIC ATT. TO STUCCO. PAINT TO MATCH BLDG., TYP.

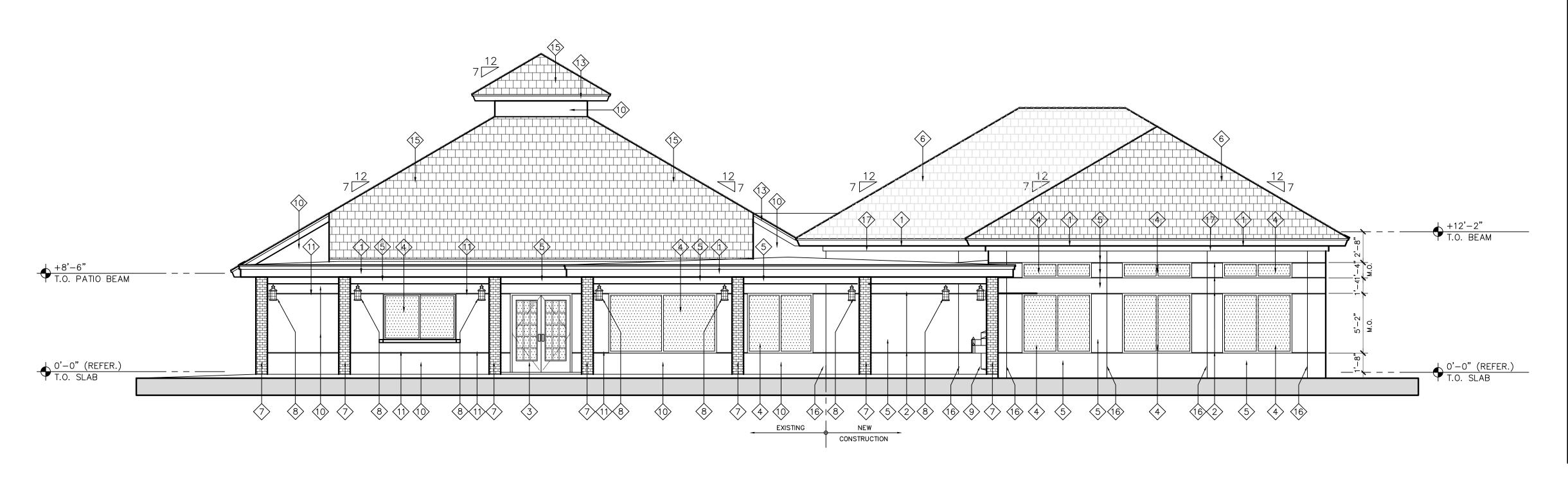
REVISIONS



### I CLUB VATION ON VD. WOODFIELD HUN

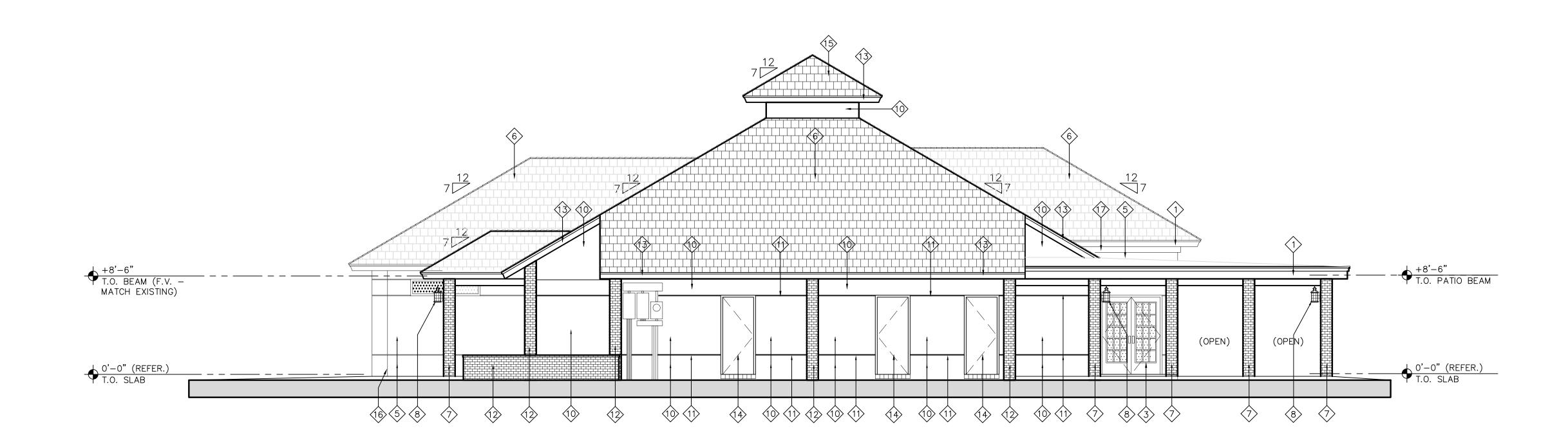


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### EAST ELEVATION

SCALE: 3/16" = 1'-0" CLUBHOUSE



### SOUTH ELEVATION

SCALE: 3/16" = 1'-0" CLUBHOUSE

### **ELEVATION LEGEND**

- NEW SHOP PAINTED METAL DRIP-EDGE OVER P.T. WOOD NAILER OVER SHOP PAINTED ALUM. CLAD DBL. 3/4" THK. PLYWD. FASCIA TO MATCH EXISTING, TYP.
- NEW HORIZ. LEVEL 5/8" H. X 5/8" D. PAINTABLE VINYL REGLET REVEAL / CONTROL JOINT, TYP.
- NEW ALUM. FRAMED & LT. GRAY TINTED LAMINATED GLASS, IMPACT RATED, ENTRY DOORS & SIDELIGHT (WHERE SHOWN) W/ WHITE POWDER-COAT FRAME
- NEW ALUM. FRAMED & LT. GRAY TINTED LAMINATED GLASS, IMPACT RATED WINDOWS W/ WHITE POWDER-COAT FRAME FINISH, TYP.
- NEW 5/8" THK. PAINTED STUCCO FINISH TO MATCH EXISTING ON NEW C.M.U. WALLS, TYP.
- 6 NEW CEMENT TILE ROOF SYST. TO MATCH EXISTING, TYP.
- NEW FAUX BRICK VENEER ON STUCCO TO MATCH EXISTING, TYP.
- NEW WALL-MOUNT EXTERIOR SCONCE LIGHT FIXTURE, TYP. (SEE 'I.D.' & 'E' DWGS.)
- 9 NEW HI-LOW WALL-MOUNT WATER COOLERS, TYP. (SEE 'P' DWGS.)
- PROVIDE PREP & NEW 2-COAT PAINT FIN. TO ALL EXISTING STUCCO (PAINT ENTIRE BLDG. TO MATCH), TYP.
- PROVIDE NEW 5/8" H. X 5/8" D. PAINTABLE VINYL STUCCO REGLET REVEAL / STUCCO CONTROL JOINT @ EXISTING STUCCO (BY SAW-CUT OR CHIP-OUT REMOVE & PATCH-IN) TO ALIGHN W/ REVEALS @ NEW ADDITION, TYP.
- EXISTING FAUX BRICK VENEER ON STUCCO TO REMAIN, TYP.
- EXISTING FASCIA TO REMAIN, TYP.
- NEW INSULATED, IMPACT RATED HOLLOW METAL DOOR(S) & FRAME W/ SHOP PRIME & 2-COAT ROLLED PAINT FINISH TO MATCH BLDG. COLOR, TYP.
- 15 EXISTING CEMENT TILE ROOF SYST. TO REMAIN, TYP.
- NEW VERT. PLUMB STUCCO SCORE-LINE CONTROL JOINT, TYP.
- NEW 10" H. X 3" THK. E.I.F.S. BAND W/ SMOOTH (SAND) TEXTURE FIN. & GLASS-FIBER MESH REINFORCING MASTIC ATT. TO STUCCO. PAINT TO MATCH BLDG., TYP.
- NEW 6" H. X 3" THK. E.I.F.S. BAND W/ SMOOTH (SAND) TEXTURE FIN. & GLASS-FIBER MESH REINFORCING MASTIC ATT. TO STUCCO. PAINT TO MATCH BLDG., TYP.

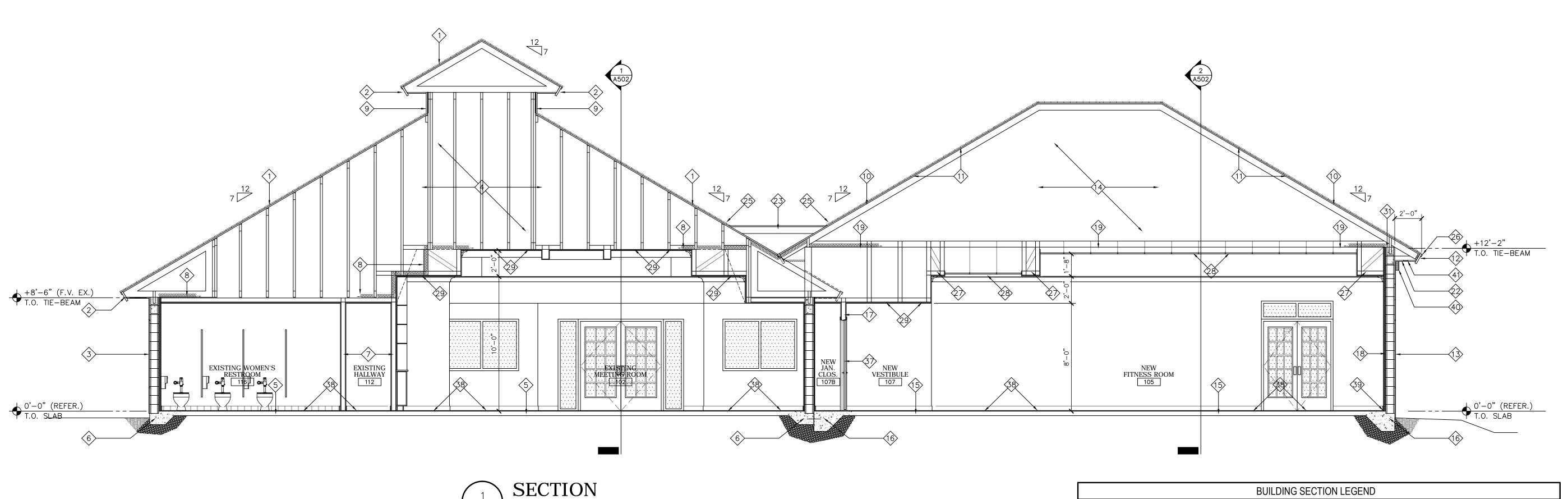
REVISIONS



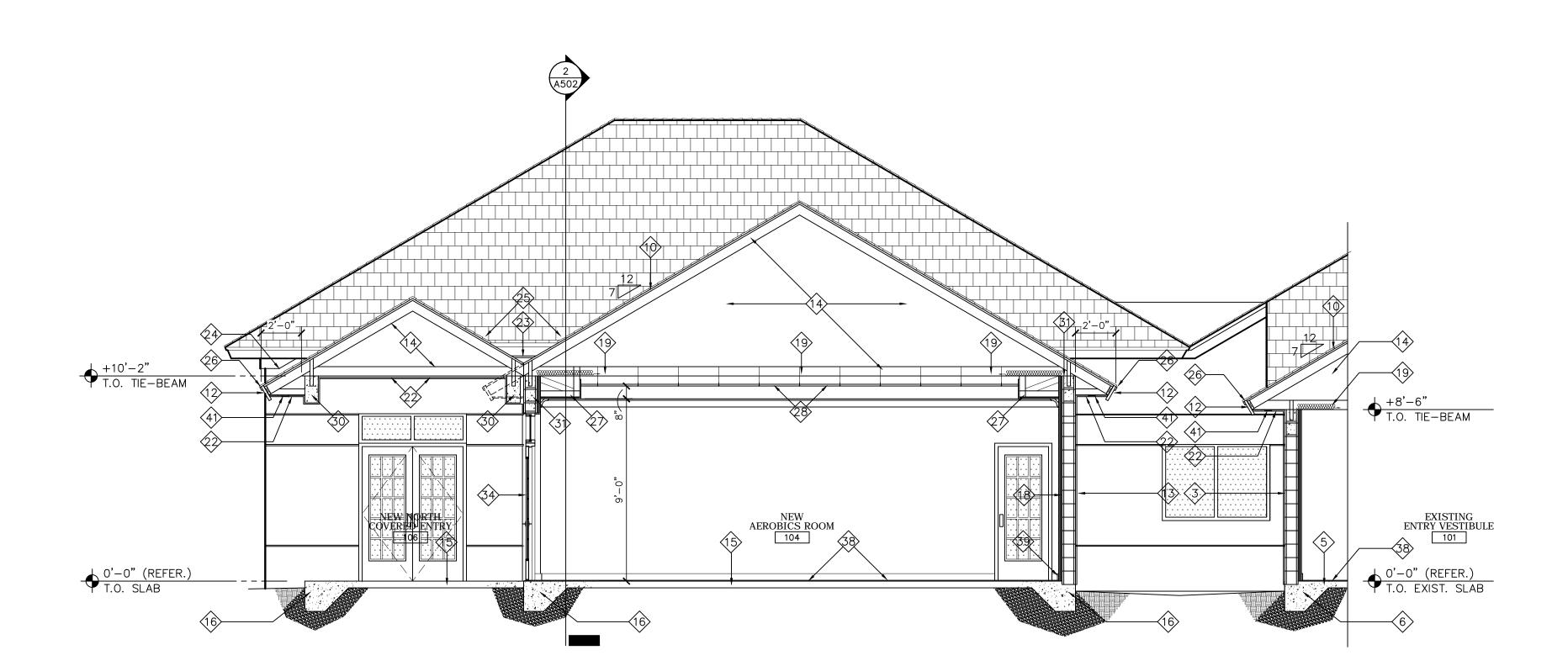
### I CLUB VATION ON VD. WOODFIELD HUN



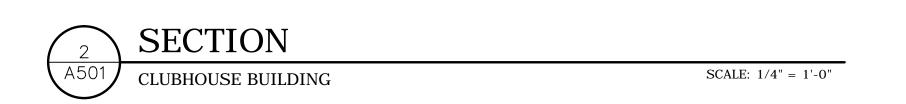
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SCALE: 1/4" = 1'-0"



CLUBHOUSE BUILDING



### BUILDING SECTION LEGEND

- 1 EXISTING CEMENT TILE ROOF SYST., TYP.
- 2 EXISTING FASCIA, TYP.
- 3 EXISTING PAINTED STUCCO ON REINFORCED C.M.U. WALL, TYP.
- EXISTING WOOD ROOF TRUSS SYST., TYP.
- 5 EXISTING CONC. SLAB ON GRADE, TYP.
- 6 EXISTING CONC. FOOTING, TYP.
- EXISTING PAINTED G.W.B. ON WOOD FRAME PARTITION TO REMAIN, TYP.
- 8 EXISTING INSULATION TO REMAIN, TYP.
- 9 EXISTING PAINTED STUCCO ON MTL. LATH ATT. TO SHEATHING ATT. TO FRAMING, TYP.
- NEW CEMENT TILE ROOF SYST. TO MATCH EXISTING ATT. OVER ROOF MEMBRANE & BASE SHEET ATT. TO SHEATHING PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- 11 NEW EXTERIOR PLYWD. SHEATHING ATT. TO TRUSS SYST., TYP. (SEE 'S' DWGS.)
- NEW ALUM. CLAD FASCIA TO MATCH EXISTING ATT. TO SUB-FASCIA ATT. TO TRUSSES, TYP.
- 13 NEW PAINTED STUCCO ON REINFORCED C.M.U. WALL, TYP.
- NEW SPECIALTY ENGINEERED, PRE-FAB. WOOD ROOF TRUSS SYST. ATT. TO BLDG. STRUCTURE, TYP.
- NEW CONC. SLAB ON GRADE, TYP. (SEE 'S' DWGS.)
- (16) NEW CONC. FOOTING MONOLITHIC W/ SLAB, TYP.
- NEW PAINTED G.W.B. ON GALV. MTL. FRAMED PARTITION ATT. TO BLDG. STRUCTURE, TYP. (SEE WALL TYPES)
- NEW R-11, 1½" THK. FOIL-FACED POLY-ISO BOARD INSULATION BTWN. GALV. MTL. Z-FURRING AT EXTERIOR WALLS, TYP. (SEE WALL TYPES)
- (19) NEW R-18, 6" THK. FIBERGLASS BATT INSULATION BTWN. TRUSSES , TYP.
- NEW 2X P.T. WOOD JOISTS ATT. TO BLDG. STRUCTURE OR BEAM, TYP. (SEE 'S' DWGS.)
- NEW 3-PLY MODIFIED BITUMENOUS LOW-SLOPED ROOF SYST. ATT. TO TAPERED RIGID INSULATION ATT. TO PLYWD. SHEATHING PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW SOFFIT OF PAINTED STUCCO OVER GALV. MTL. LATH ATT. TO GALV. MTL. CHANNEL FURRING ATT. TO TRUSS SYST., TYP.
- NEW ROOF CRICKET OF 3-PLY MODIFIED LOW-SLOPED ROOF SYST. ATT. TO PLYWD. SHEATHING PER N.O.A. & MFR. INSTRUCTIONS, TYP. NEW 2-PIECE ALUM. FLASHING & COUNTER-FLASHING AT SIDE WALL TERMINATION OF ROOFING SYST. PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW ALUM. OR GALV. MTL. BREAK-METAL FLASHING AT VALLEYS & TRANSITION BTWN. LOW-SLOPED & SLOPED TILE ROOFING SYSTEMS, PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW ALUM. DRIP-EDGE FLASHING TO MATCH EXISTING SIZE & COLOR ATT. TO SHEATHING & OVER SPACER ATT. TO FASCIA PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW PAINTED G.W.B. ON GALV. MTL. STUD FRAME-DOWN SOFFIT OR HEADER PER MFR. INSTRUCTIONS, TYP.
- NEW ACOUSTIC PANEL & SUSPENDED MTL. GRID CEILING SYST. PER MFR. INSTRUCTIONS, TYP. (SEE 'I.D. DWGS.)
- NEW PAINTED G.W.B. ATT. TO FURRED OR FRAME-DOWN GALV. MTL. STUD CEILING PER MFR. INSTRUCTIONS, TYP.
- NEW C.I.P. REINFORCED CONC. BEAM, TYP. (SEE 'S' DWGS.)
- NEW GROUT FILLED REINFORCED C.M.U. TIE-BEAM, TYP. (SEE 'S' DWGS.)
- NEW PRE-CAST CONC. LINTEL, TYP. (SEE 'S' DWGS.)

- NEW C.I.P. REINFORCED CONC. SILL, TYP. (SEE 'S' DWGS.)
- NEW HURRICANE IMPACT RATEDN ALUM. & LAMINATED GLASS DOOR SYST. ATT. TO BLDG. STRUCTURE PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW HURRICANE IMPACT RATED ALUM. & LAMINATED GLASS WINDOW SYST. ATT. TO BLDG. STRUCTURE PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW HURRICANE IMPACT RATED INSULATED HOLLOW MTL. DOOR & FRAME ATT. TO BLDG. STRUCTURE PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW SOLID CORE WOOD INTERIOR DOOR & FRAME W/ CASINGS, TYP. (SEE 'ID DWGS. FOR CASING SPECS.) NEW FLOOR FIN. PER MFR. INSTRUCTIONS, TYP. (SEE 'ID' DWGS.)
- NEW WALL BASE PER MFR. INSTRUCTIONS, TYP. (SEE 'ID' DWGS.)
- NEW 12" H. X 3" THK. E.I.F.S. BAND W/ REINFORCING FIBERGLASS MESH
- MASTIC ATT. TO STUCCO PER MFR. INSTRUCTIONS, TYP. NEW 3" W. X CONT. STUCCO-STOP TYPE SOFFIT VENT ATT. TO FURRING CHANNELS, TYP.

WOODFIELD

REVISIONS

ARCHITECTS

**PLANNERS** 

2060 NW BOCA RATON BLVD

SUITE 2

BOCA RATON, FL 33431

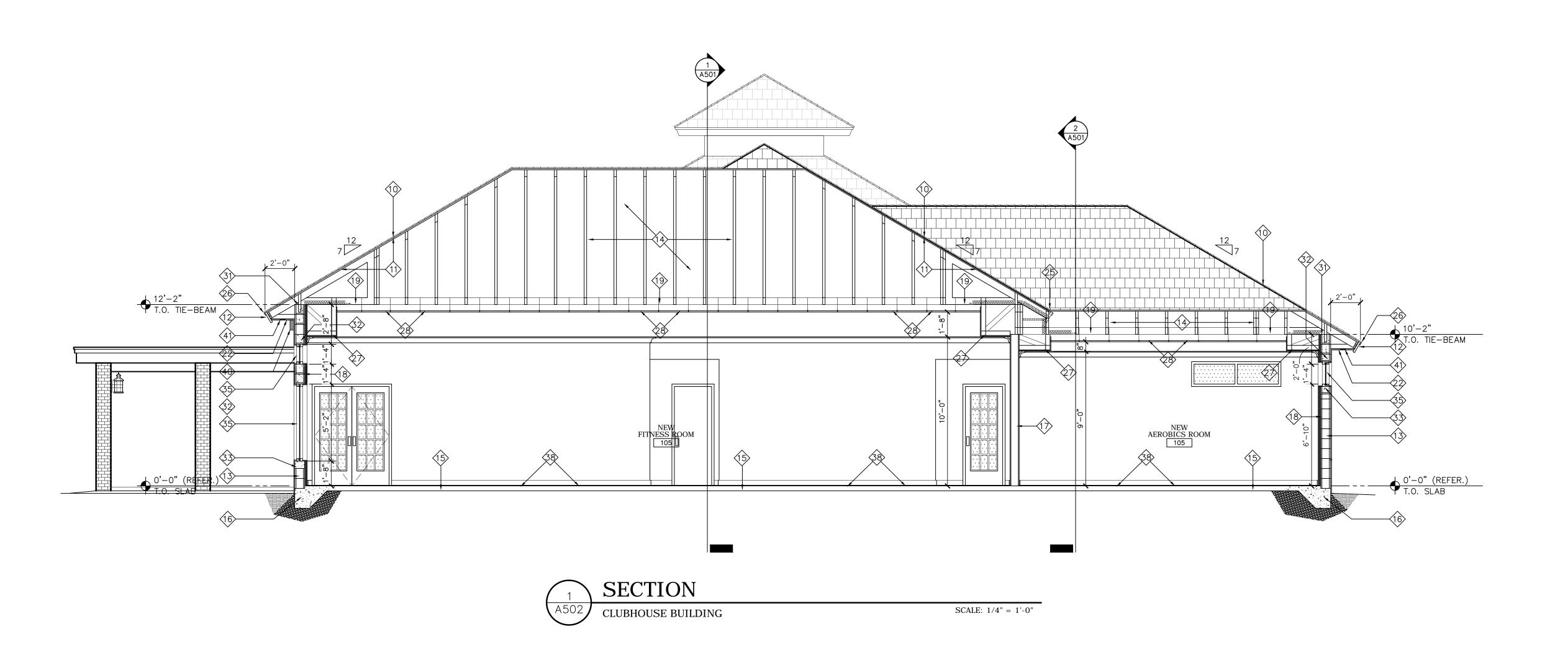
TEL: 561-392-3848

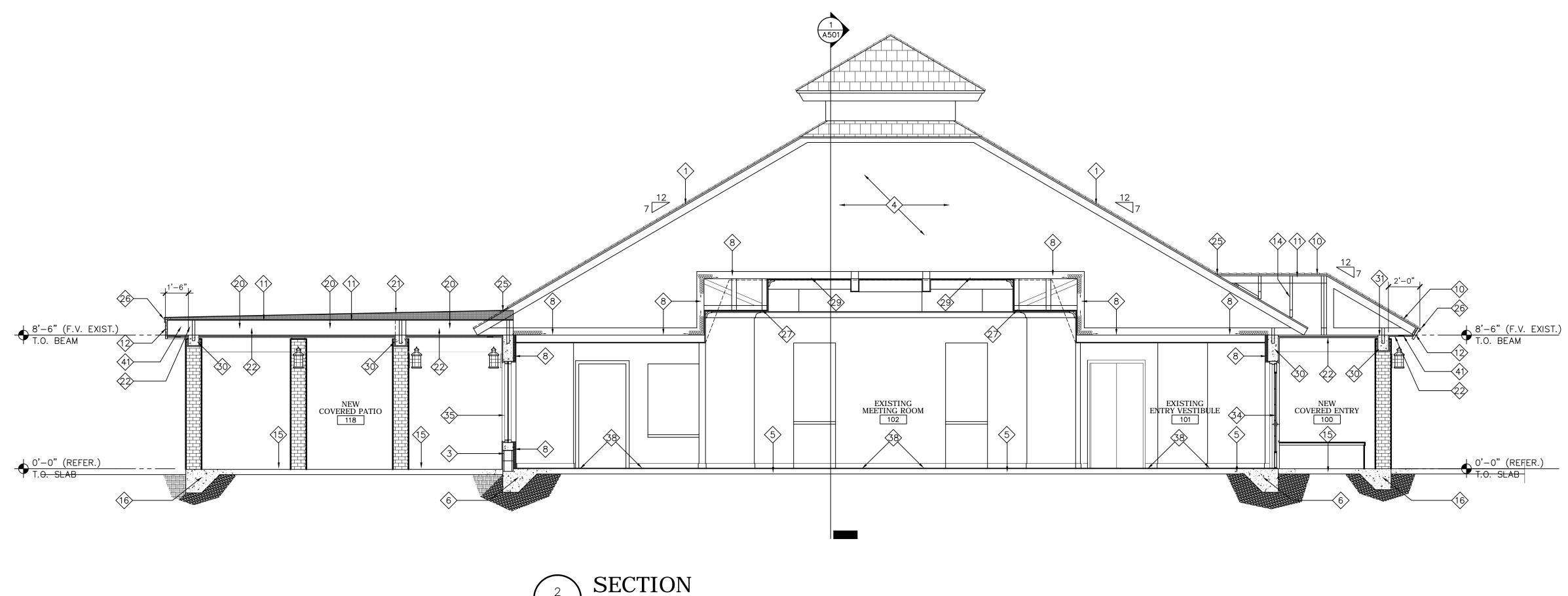
FAX: 561-392-5402

WWW.SLATTERYARCHITECTS.COM

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CLUBHOUSE BUILDING

### BUILDING SECTION LEGEND

- 1) EXISTING CEMENT TILE ROOF SYST., TYP.
- 2 EXISTING FASCIA, TYP.
- EXISTING PAINTED STUCCO ON REINFORCED C.M.U. WALL, TYP.
- 4 EXISTING WOOD ROOF TRUSS SYST., TYP.
- 5 EXISTING CONC. SLAB ON GRADE, TYP.
- 6 EXISTING CONC. FOOTING, TYP.
- EXISTING PAINTED G.W.B. ON WOOD FRAME PARTITION TO REMAIN, TYP.
- 8 EXISTING INSULATION TO REMAIN, TYP.
- $\ensuremath{\bigcirc} 9$  EXISTING PAINTED STUCCO ON MTL. LATH ATT. TO SHEATHING ATT. TO FRAMING, TYP.
- NEW CEMENT TILE ROOF SYST. TO MATCH EXISTING ATT. OVER ROOF NEW CEMENT TILE ROOF SYST. TO MATCH EXISTING ATT. OVER ROO MEMBRANE & BASE SHEET ATT. TO SHEATHING PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW EXTERIOR PLYWD. SHEATHING ATT. TO TRUSS SYST., TYP. (SEE 'S' DWGS.)
- NEW ALUM. CLAD FASCIA TO MATCH EXISTING ATT. TO SUB-FASCIA ATT. TO TRUSSES, TYP.
- NEW SPECIALTY ENGINEERED, PRE-FAB. WOOD ROOF TRUSS SYST. ATT. TO NEW SPECIALTY ENGINEER BLDG. STRUCTURE, TYP.

NEW PAINTED STUCCO ON REINFORCED C.M.U. WALL, TYP.

NEW CONC. SLAB ON GRADE, TYP. (SEE 'S' DWGS.)

16 NEW CONC. FOOTING MONOLITHIC W/ SLAB, TYP.

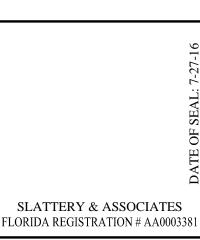
- NEW PAINTED G.W.B. ON GALV. MTL. FRAMED PARTITION ATT. TO BLDG. NEW PAINTED G.W.B. ON GALV. MTL. FR STRUCTURE, TYP. (SEE WALL TYPES)
- NEW R-11, 1½" THK. FOIL-FACED POLY-ISO BOARD INSULATION BTWN. GALV. MTL. Z-FURRING AT EXTERIOR WALLS, TYP. (SEE WALL TYPES)
- (19) NEW R-18, 6" THK. FIBERGLASS BATT INSULATION BTWN. TRUSSES , TYP. NEW 2X P.T. WOOD JOISTS ATT. TO BLDG. STRUCTURE OR BEAM, TYP. (SEE 'S' DWGS.)
- NEW 3-PLY MODIFIED BITUMENOUS LOW-SLOPED ROOF SYST. ATT. TO TAPERED RIGID INSULATION ATT. TO PLYWD. SHEATHING PER N.O.A. & MFR. INSTRUCTIONS TYP
- MFR. INSTRUCTIONS, TYP.
- NEW SOFFIT OF PAINTED STUCCO OVER GALV. MTL. LATH ATT. TO GALV. MTL. CHANNEL FURRING ATT. TO TRUSS SYST., TYP.
- NEW ROOF CRICKET OF 3-PLY MODIFIED LOW-SLOPED ROOF SYST. ATT. TO PLYWD. SHEATHING PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW 2-PIECE ALUM. FLASHING & COUNTER-FLASHING AT SIDE WALL TERMINATION OF ROOFING SYST. PER N.O.A. & MFR. INSTRUCTIONS, TYP. NEW ALUM. OR GALV. MTL. BREAK-METAL FLASHING AT VALLEYS &
- TRANSITION BTWN. LOW-SLOPED & SLOPED TILE ROOFING SYSTEMS, PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW ALUM. DRIP-EDGE FLASHING TO MATCH EXISTING SIZE & COLOR ATT. TO SHEATHING & OVER SPACER ATT. TO FASCIA PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW PAINTED G.W.B. ON GALV. MTL. STUD FRAME-DOWN SOFFIT OR HEADER PER MFR. INSTRUCTIONS, TYP.
- NEW ACOUSTIC PANEL & SUSPENDED MTL. GRID CEILING SYST. PER MFR. INSTRUCTIONS, TYP. (SEE 'I.D. DWGS.)
- NEW PAINTED G.W.B. ATT. TO FURRED OR FRAME-DOWN GALV. MTL. STUD CEILING PER MFR. INSTRUCTIONS, TYP.
- NEW C.I.P. REINFORCED CONC. BEAM, TYP. (SEE 'S' DWGS.)
- NEW GROUT FILLED REINFORCED C.M.U. TIE-BEAM, TYP. (SEE 'S' DWGS.)
- NEW PRE-CAST CONC. LINTEL, TYP. (SEE 'S' DWGS.)
- 33 NEW C.I.P. REINFORCED CONC. SILL, TYP. (SEE 'S' DWGS.)
- NEW HURRICANE IMPACT RATEDN ALUM. & LAMINATED GLASS DOOR SYST. ATT. TO BLDG. STRUCTURE PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW HURRICANE IMPACT RATED ALUM. & LAMINATED GLASS WINDOW NEW HURRICANE IMPACT RATED ALUM. & LAMINATED GLASS WINDOW SYST. ATT. TO BLDG. STRUCTURE PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW HURRICANE IMPACT RATED INSULATED HOLLOW MTL. DOOR & FRAME ATT. TO BLDG. STRUCTURE PER N.O.A. & MFR. INSTRUCTIONS, TYP.
- NEW SOLID CORE WOOD INTERIOR DOOR & FRAME W/ CASINGS, TYP. (SEE 'ID DWGS. FOR CASING SPECS.)
- NEW FLOOR FIN. PER MFR. INSTRUCTIONS, TYP. (SEE 'ID' DWGS.)
- NEW WALL BASE PER MFR. INSTRUCTIONS, TYP. (SEE 'ID' DWGS.)
- NEW 12" H. X 3" THK. E.I.F.S. BAND W/ REINFORCING FIBERGLASS MESH MASTIC ATT. TO STUCCO PER MFR. INSTRUCTIONS, TYP.
- NEW 3" W. X CONT. STUCCO-STOP TYPE SOFFIT VENT ATT. TO FURRING CHANNELS, TYP.

REVISIONS	BY



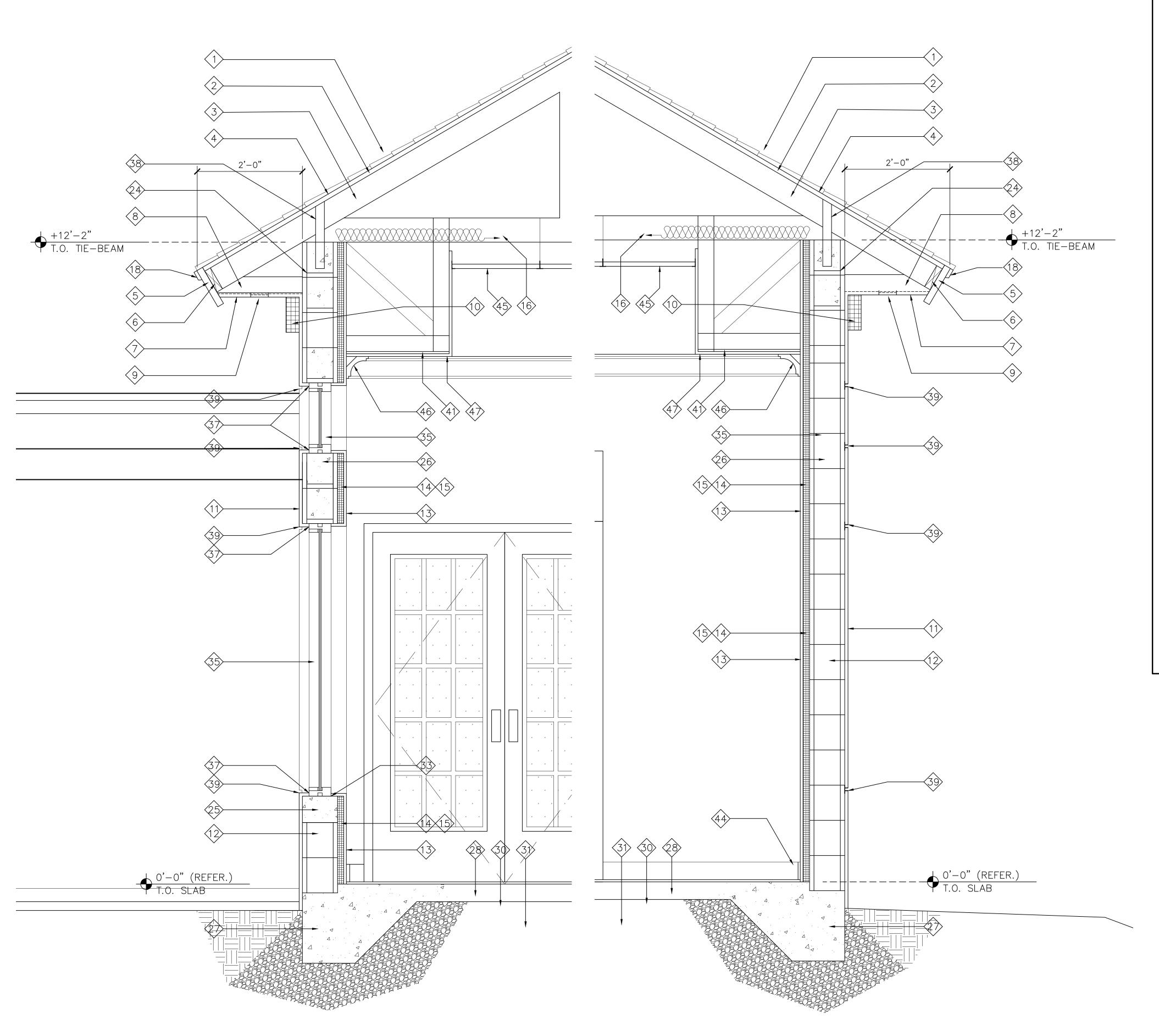
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### WOODFIELD CLUBHOUS AND I



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



SCALE: 1" = 1'-0"

WALL SECTION

CLUBHOUSE BUILDING



- CEMENT TILE ROOF SYST. TO MATCH EXISTING ATT. OVER 90 LB. ROOFING MEMBRANE HOT-MOP ADHESIVE ADHERED TO 30 LB. ROOFING FELT UNDERLAYMENT TIN-TAG NAIL ATT. TO PLYWD. SHEATHING PER ROOF SYST. MFR. INSTRUCTIONS & N.O.A., TYP.
- 5/8" FIRE RETARDANT 'CDX' PLYWD. NAIL ATT. TO TRUSS SYST., TYP. (SEE'S' DWGS.)
- PRE-FAB., ENGINEERED WOOD ROOF TRUSS SYST. ATT. TO BLDG. 3 STRUCTURE, TYP. (SEE 'S' DWGS.) (SUBMIT COMPLETE SHOP DWGS. FROM SPECIALTY ENGINEER FOR PRE-APPROVAL.)
- #30 ASPHALT IMPREGNATED FELT TIN-TAG NAIL ATT. TO PLYWD PER ROOF SYS. MFR. INSTRUCTIONS & N.O.A., TYP.
- ALUM. FASCIA COVER WITH SHOP POWDER-COAT PAINT FIN. ATT. TO DBL. 3/4"
- \*\* CDX\*\* PLYMD. FASCIA COVER WITH SHOP POWDER-COAT PAINT FIN. ATT. TO DBL. 3/4\*\*

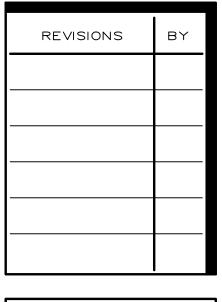
  (\*\*CDX\*\* PLYMD. FASCIA OF HT. TO MATCH EXISTING, ATT. TO TRUSS SYST. HEEL CLOSURE 2X SUB-FASCIA, TYP.
- TRUSS SYST. HEEL ( OR OUTRIGGER ) 2x CLOSURE SUB-FASCIA, ATT. TO TRUSS TOP-CHORD EXTENSIONS AS DESIGNED BY TRUSS SPECIALTY ENGINEER, TYP.
- SOFFIT 3/4" STUCCO SOFFIT ON GALV. HIGH-RIB METAL LATH ATT. TO 1 5/8"x20 GA. GALV METAL FURRING CHANNELS @ 12" O.C. MAX. ATT. TO 2X P.T. WOOD STUD SOFFIT FRAME-DOWN, TYP.
- 2X P.T. WOOD STUD SOFFIT FRAME-DOWN ATT. TO BLDG. STRUCTURE, TYP.. (SEE 'S' DRAWINGS)
- 3" W. ALUM. SOFFIT VENT WITH STUCCO-STOP SIDES & SHOP POWDER-COAT PAINT FIN., TYP.
- 10" H. X 3" RAISED E.I.F.S. BAND W/ SMOOTH STUCCO FINISH OVER GLASS-FIBER MESH W/ PAINT FINISH, TYP
- 5/8" STUCCO WITH PAINT FINISH OVER CEMENTITIOUS WATERPROOFING SYST.'THORO-SEAL'(W/'ACRYL-60') OVER ALL EXTERIOR SIDE CONCRETE OR
- NOM. 8" REINFORCED C.M.U. WALL CONSTRUCTION IN RUNNING BOND WITH KEYED CORNERS, TYP. (SEE 'S' DWGS.)
- 5/8" G.W.B. WITH PAINT FIN., ATT. TO GALV. METAL STUD FRAMING OR FURRING PER MFR. INSTRUCTIONS, TYP.
- \$\langle 14 \rangle\$ FURRING 1 5/8" GALV. METAL Z-FURRING PER MFR. INSTRUCTIONS, TYP.
- 1 1/2" R-10.8 FOIL-FACED POLY-ISO BOARD INSULATION PER MFR. INSTRUCTIONS, TYP.
- 6" THK., R-18 PAPER-BACKED FIBERGLASS BATT TERMAL INSULATION BTWN. TRUSSES, TYP.
- 2X P.T. WOOD JOISTS ATT. TO WALL STRUCTURE OR BEAM, TYP. (SEE 'S' DWGS.) ALUM. DRIP-EDGE FLASHING W/ SHOP POWDER-COAT PAINT FIN. ATT. TO PLYWD. PER ROOF SYST. MFR. INSTRUCTIONS & N.O.A., TYP.
- 2-PIECE ALUM. FLASHING & COUNTER-FLASHING W/ SHOP POWDER-COAT PAINT FIN. PER ROOF SYST. MFR. INSTRUCTIONS & N.O.A., @ ROOF TO WALL INTERSECTIONS TVD
- INTERSECTIONS, TYP. 3/4" STUCCO W/ 2-COAT PAINT FIN. OVER GALV. PAPER-BACKED METAL LATH ATT. TO PLYWD., TYP.
- 3-PLY MODIFIED BITUMENOUS LOW-SLOPED ROOF SYST.HOT-MOPPED OVER TAPERED POLY-ISO BOARD INSULATION ATT. TO PLYWD. SHEATHING PER MFR.
- ALUM. BREAK-METAL FLASHING W/ SHOP POWDER-COAT PAINT FIN. PER ROOF SYST. MFR. INSTRUCTIONS & N.O.A., @ SLOPED TILE ROOF TO LOW-SLOPED 3-PLY MODIFIED BIT. ROOF, TYP.
- 23 C.I.P. REINFORCED CONC. BEAM, TYP. (SEE 'S' DWGS.)

INSTRUCTIONS & N.O.A., TYP.

- GROUT FILLED REINFORCED C.M.U. TIE-BEAM, TYP. (SEE 'S' DWGS.)
- 25 C.I.P. REINFORCED CONC. SILL, TYP. (SEE 'S' DWGS.)
- GROUT FILLED REINFORCED C.M.U. LINTEL, TYP. (SEE 'S' DWGS.)
- C.I.P. CONC. FOOTING MOMOLITHIC W/ SLAB, TYP. (SEE 'S' DWGS.)
- 4" THK. C.I.P. CONC. SLAB ON GRADE W/ CONTROL JOINTS, TYP. (SEE 'S' DWGS.)
- 1/4" THK. x CONT. BITUMINOUS FILLER STRIP, TYP.
- 30 10 MIL POLYETHYLENE VAPOR BARRIER CONT., TYP. CLEAN TERMITE TREATED BUILDING PAD FILL COMPACTED TO DENSITY REQUIRED BY GEOTECHNICAL ENGINEER, TYP.

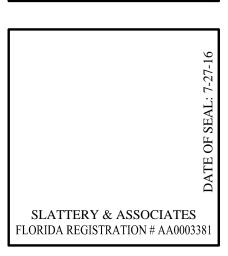
- - 4" THK. LIGHT BROOM-FINISH CONCRETE SIDEWALK W/ FIBER-MESH REINFORCEMENT W/ CONTROL & EXPANSION JOINTS OVER CLEAN COMPACTED FILL, TYP. (SEE 'C' DWGS.)
  - .050" ALUM. PAN FLASHING @ WINDOW SILLS W/ WELDED END DAMS &SHOP POWDER-COAT PAINT FIN. TO MATCH WINDOW FRAMES SET IN FULL SEALANT
  - ALUM. FRAMED W/ SHOP POWDER-COAT PAINT FIN. & LT. GRAY TINTED (U=.63)
    LAMINATED GLASS IMPACT RATED STOREFRONT ENTRY DOOR & FRAME PER
  - ALUM. FRAMED W/ SHOP POWDER-COAT PAINT FIN. & LT. GRAY TINTED (U=.63) LAMINATED GLASS IMPACT RATED STOREFRONT WINDOW PER MFR. & N.O.A.,
  - EXTERIOR INSULATED HOLLOW MTL. DOOR & FRAME W/ SHOP PRIME COAT & 36 FIELD PAINT TO MATCH WALLS, ANCHOR TO BLDG. STRUCTURE PER MFR. &
  - 37 CONT. SEALANT BEAD, TYP. (SEE SPECS.)
  - TRUSS OR JOIST GALV. MTL. HOLD-DOWN ANCHOR ATT. TO BLDG. STRUCTURE, TRUSS OR JOIST GALV.

    TYP. (SEE 'S' DWGS.)
  - 5/8 H. X 5/8" D. x CONT. PAINTABLE VINYL REGLET / REVEAL HORIZ. & VERTICAL CONTROL JOINT, ATT. TO C.M.U. PER MFR. INSTRUCTIONS, TYP.
  - LT. GAUGE GALV. STEEL STUD FRAMING, ATT. TO BLDG. STRUCTURE PER MFR. INSTRUCTIONS, TYP. (SEE 'S' DWGS & WALL TYPES)
  - CEILING FURRING: 7/8" GALV. MTL. FURRING HAT-CHANNELS @ 24" O.C. MIN.,ATTACHED TO TRUSSES PER MFR, TYP.
  - SOLID CORE WOOD DOOR & FRAME, TYP.
  - FLOOR FIN., TYP. (SEE SCHEDULE)
  - BASE, TYP. (SEE SCHEDULE)
  - ACOUSTIC TILE & SUSPENDED METAL GRID CEILING SYS. PER MFR. ACOUSTIC TILE & SUSPENDED METAL (
    INSTRUCTIONS, TYP. (SEE 'ID' DWGS.)
  - WOOD CROWN MOLDING ATT. OVER FINISH TO WALL FRAMING OR FURRING, TYP. (SEE 'ID' DWGS.)
  - 5/8" G.W.B. W/ PAINT FIN. ATT. TO GALV. MTL. STUD FRAME-DOWN SOFFIT OR HEADER ATT. TO BLDG. STRUCTURE PER MFR. INSTRUCTIONS, TYP.





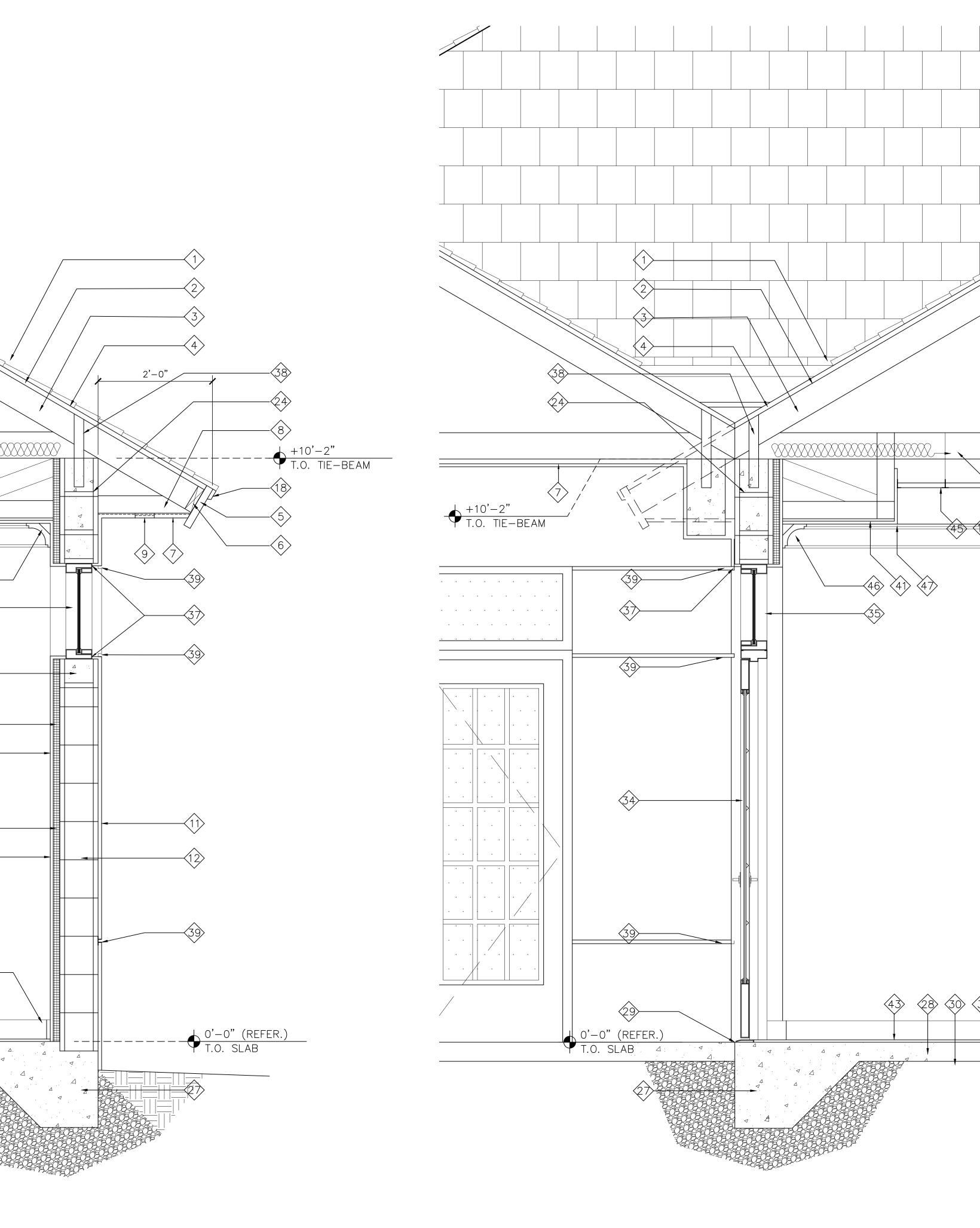
## WOODFIELD



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**SECTION** SCALE: 1" = 1'-0" CLUBHOUSE BUILDING



WALL SECTION LEGEND

- CEMENT TILE ROOF SYST. TO MATCH EXISTING ATT. OVER 90 LB. ROOFING MEMBRANE HOT-MOP ADHESIVE ADHERED TO 30 LB. ROOFING FELT UNDERLAYMENT TIN-TAG NAIL ATT. TO PLYWD. SHEATHING PER ROOF SYST. MFR. INSTRUCTIONS & N.O.A., TYP.
- 5/8" FIRE RETARDANT 'CDX' PLYWD. NAIL ATT. TO TRUSS SYST., TYP. (SEE'S' DWGS.)
- PRE-FAB., ENGINEERED WOOD ROOF TRUSS SYST. ATT. TO BLDG.
  STRUCTURE, TYP. (SEE 'S' DWGS.) (SUBMIT COMPLETE SHOP DWGS.
  FROM SPECIAL TY ENGINEER FOR DREAM ADDROVAL). FROM SPECIALTY ENGINEER FOR PRE-APPROVAL.)
- #30 ASPHALT IMPREGNATED FELT TIN-TAG NAIL ATT. TO PLYWD PER ROOF SYS. MFR. INSTRUCTIONS & N.O.A., TYP.
- ALUM. FASCIA COVER WITH SHOP POWDER-COAT PAINT FIN. ATT. TO DBL. 3/4" 5 CDX PLYMD. FASCIA OF HT. TO MATCH EXISTING, ATT. TO TRUSS SYST. HEEL CLOSURE 2X SUB-FASCIA, TYP.
- TRUSS SYST. HEEL ( OR OUTRIGGER ) 2x CLOSURE SUB-FASCIA, ATT. TO TRUSS TOP-CHORD EXTENSIONS AS DESIGNED BY TRUSS SPECIALTY ENGINEER, TYP.
- SOFFIT 3/4" STUCCO SOFFIT ON GALV. HIGH-RIB METAL LATH ATT. TO 1 5/8"x20 GA. GALV METAL FURRING CHANNELS @ 12" O.C. MAX. ATT. TO 2X P.T. WOOD STUD SOFFIT FRAME-DOWN, TYP.
- 2X P.T. WOOD STUD SOFFIT FRAME-DOWN ATT. TO BLDG. STRUCTURE, TYP... 2X P.T. WOOD STUD SO (SEE 'S' DRAWINGS)
- 3" W. ALUM. SOFFIT VENT WITH STUCCO-STOP SIDES & SHOP POWDER-COAT PAINT FIN., TYP.
- 10" H. X 3" RAISED E.I.F.S. BAND W/ SMOOTH STUCCO FINISH OVER GLASS-FIBER MESH W/ PAINT FINISH, TYP
- 5/8" STUCCO WITH PAINT FINISH OVER CEMENTITIOUS WATERPROOFING SYST.'THORO-SEAL'(W/ 'ACRYL-60') OVER ALL EXTERIOR SIDE CONCRETE OR MAS., TYPICAL.
- NOM. 8" REINFORCED C.M.U. WALL CONSTRUCTION IN RUNNING BOND WITH KEYED CORNERS, TYP. (SEE 'S' DWGS.)
- 5/8" G.W.B. WITH PAINT FIN., ATT. TO GALV. METAL STUD FRAMING OR FURRING PER MFR. INSTRUCTIONS, TYP.
- FURRING 1 5/8" GALV. METAL Z-FURRING PER MFR. INSTRUCTIONS, TYP.
- 1 1/2" R-10.8 FOIL-FACED POLY-ISO BOARD INSULATION PER MFR. INSTRUCTIONS, TYP.
- 6" THK., R-18 PAPER-BACKED FIBERGLASS BATT TERMAL INSULATION BTWN. TRUSSES, TYP.
- 2X P.T. WOOD JOISTS ATT. TO WALL STRUCTURE OR BEAM, TYP. (SEE 'S' DWGS.)
- ALUM. DRIP-EDGE FLASHING W/ SHOP POWDER-COAT PAINT FIN. ATT. TO PLYWD. PER ROOF SYST. MFR. INSTRUCTIONS & N.O.A., TYP.
- 2-PIECE ALUM. FLASHING & COUNTER-FLASHING W/ SHOP POWDER-COAT PAINT FIN. PER ROOF SYST. MFR. INSTRUCTIONS & N.O.A., @ ROOF TO WALL INTERSECTIONS TVP INTERSECTIONS, TYP.
- 3/4" STUCCO W/ 2-COAT PAINT FIN. OVER GALV. PAPER-BACKED METAL LATH 3/4" STUCCO W/ 2-COA1 ATT. TO PLYWD., TYP.
- 3-PLY MODIFIED BITUMENOUS LOW-SLOPED ROOF SYST.HOT-MOPPED OVER TAPERED POLY-ISO BOARD INSULATION ATT. TO PLYWD. SHEATHING PER MFR.
- ALUM. BREAK-METAL FLASHING W/ SHOP POWDER-COAT PAINT FIN. PER ROOF SYST. MFR. INSTRUCTIONS & N.O.A., @ SLOPED TILE ROOF TO LOW-SLOPED 3-PLY MODIFIED BIT. ROOF, TYP.
- 23 C.I.P. REINFORCED CONC. BEAM, TYP. (SEE 'S' DWGS.)

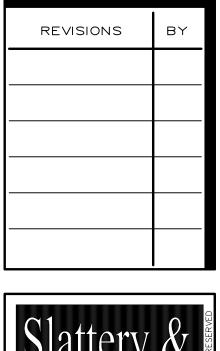
INSTRUCTIONS & N.O.A., TYP.

- GROUT FILLED REINFORCED C.M.U. TIE-BEAM, TYP. (SEE 'S' DWGS.)
- 25 C.I.P. REINFORCED CONC. SILL, TYP. (SEE 'S' DWGS.)
- GROUT FILLED REINFORCED C.M.U. LINTEL, TYP. (SEE 'S' DWGS.)
- C.I.P. CONC. FOOTING MOMOLITHIC W/ SLAB, TYP. (SEE 'S' DWGS.)
- 4" THK. C.I.P. CONC. SLAB ON GRADE W/ CONTROL JOINTS, TYP. (SEE 'S' DWGS.)
- 10 MIL POLYETHYLENE VAPOR BARRIER CONT., TYP.

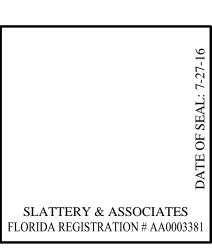
1/4" THK. x CONT. BITUMINOUS FILLER STRIP, TYP.

CLEAN TERMITE TREATED BUILDING PAD FILL COMPACTED TO DENSITY REQUIRED BY GEOTECHNICAL ENGINEER, TYP.

- 4" THK. LIGHT BROOM-FINISH CONCRETE SIDEWALK W/ FIBER-MESH REINFORCEMENT W/ CONTROL & EXPANSION JOINTS OVER CLEAN COMPACTED
- .050" ALUM. PAN FLASHING @ WINDOW SILLS W/ WELDED END DAMS &SHOP POWDER-COAT PAINT FIN. TO MATCH WINDOW FRAMES SET IN FULL SEALANT
- ALUM. FRAMED W/ SHOP POWDER-COAT PAINT FIN. & LT. GRAY TINTED (U=.63)
  LAMINATED GLASS IMPACT RATED STOREFRONT ENTRY DOOR & FRAME PER
- ALUM. FRAMED W/ SHOP POWDER-COAT PAINT FIN. & LT. GRAY TINTED (U=.63) LAMINATED GLASS IMPACT RATED STOREFRONT WINDOW PER MFR. & N.O.A.,
- EXTERIOR INSULATED HOLLOW MTL. DOOR & FRAME W/ SHOP PRIME COAT & FIELD PAINT TO MATCH WALLS, ANCHOR TO BLDG. STRUCTURE PER MFR. &
- 37 CONT. SEALANT BEAD, TYP. (SEE SPECS.)
- TRUSS OR JOIST GALV. MTL. HOLD-DOWN ANCHOR ATT. TO BLDG. STRUCTURE, TRUSS OR JOIST GALV
  TYP. (SEE 'S' DWGS.)
- 5/8 H. X 5/8" D. x CONT. PAINTABLE VINYL REGLET / REVEAL HORIZ. & VERTICAL CONTROL JOINT, ATT. TO C.M.U. PER MFR. INSTRUCTIONS, TYP.
- LT. GAUGE GALV. STEEL STUD FRAMING, ATT. TO BLDG. STRUCTURE PER MFR. INSTRUCTIONS, TYP. (SEE 'S' DWGS & WALL TYPES)
- CEILING FURRING: 7/8" GALV. MTL. FURRING HAT-CHANNELS @ 24" O.C. MIN.,ATTACHED TO TRUSSES PER MFR, TYP.
- SOLID CORE WOOD DOOR & FRAME, TYP.
- FLOOR FIN., TYP. (SEE SCHEDULE)
- BASE, TYP. (SEE SCHEDULE)
- ACOUSTIC TILE & SUSPENDED METAL GRID CEILING SYS. PER MFR. ACOUSTIC TILE & SUSPENDED METAL INSTRUCTIONS, TYP. (SEE 'ID' DWGS.)
- $\begin{tabular}{lll} \hline $46$ & WOOD CROWN MOLDING ATT. OVER FINISH TO WALL FRAMING OR FURRING, \\ \hline $\text{TYP. (SEE 'ID' DWGS.)}$ & \\ \hline \end{tabular}$
- 5/8" G.W.B. W/ PAINT FIN. ATT. TO GALV. MTL. STUD FRAME-DOWN SOFFIT OR HEADER ATT. TO BLDG. STRUCTURE PER MFR. INSTRUCTIONS, TYP.







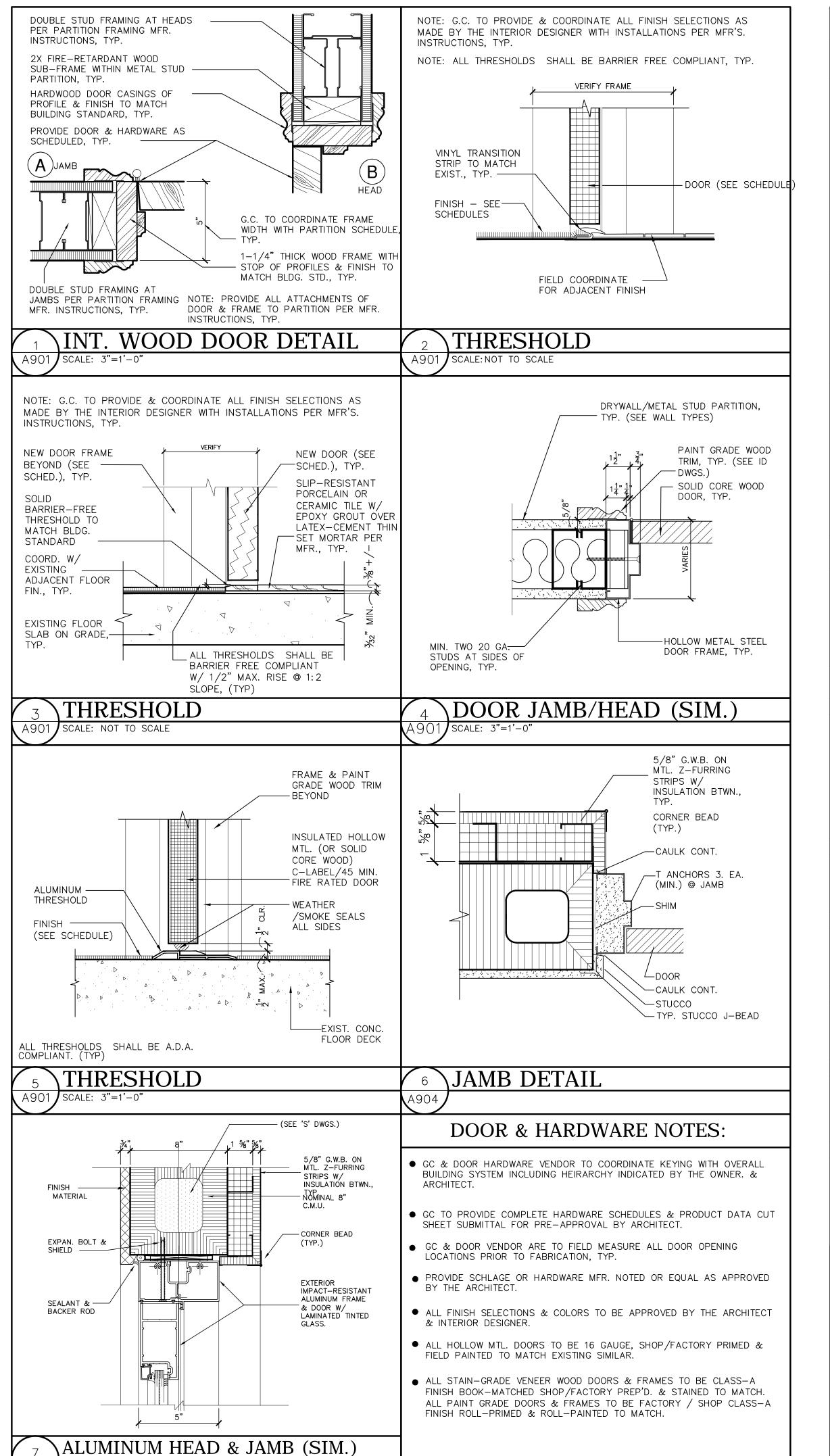
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ADDZ

WALL SECTION SCALE: 3/4" = 1'-0" CLUBHOUSE BUILDING

SCALE: 3/4" = 1'-0"

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SCALE: 3"=1'-0"

MARK	DOOR		SIZE		FRAMI	E		DETAILS		LABEL	REMARKS	HDV
	ROOM MATERIAL	TYPE WIDTH		THICKNESS	S MATERIAL	TYPE		JAMB	THRESHOLD			SI
101	MEETING ROOM  ALUL/LGL	A (2) 3'-		,	НМ	Α	7/A901	7/A901	5/A901	N/A	PROVIDE COORD. CARD—READER CARD ACCESS SYS.	
102	MEETING ROOM ALUM/LGL	A (2) 2'-		<u>'</u>	HM	A	7/A901	7/A901	5/A901	N/A	PROVIDE COORD. CARD—READER CARD ACCESS SYS.	2
103	VESTIBULE SGSCW AEROBICS SCSCW	B 3'-0'		1 3/4"	HMC	В	4/A901	4/A901	2/A901	N/A	_	
104A	3G3CW	B 3'-0'		1 3/4"	HMC	В	4/A901	4/A901	2/A901	N/A	_	
104B	ALOW/ EGE	C 3'-0'		1 3/4"	HM	C	7/A901	7/A901	5/A901	N/A		
105A 105B	ALOW/ LGL	A (2) 2'-		,	HM	A	7/A901	7/A901	5/A901	N/A	PROVIDE COORD. CARD—READER CARD ACCESS SYS.	2
103B 107A	ALOW/ EGE	A (2) 2'-		,	HM	A	7/A901	7/A901	5/A901	N/A	PROVIDE COORD. CARD—READER CARD ACCESS SYS.	2
1074	JUNICON PROTEIN #4	B 3'-0'		1 3/4"	HMC	В	4/A901 4/A901	4/A901 4/A901	3/A901	N/A N/A	_	5
109	UNISEX RESTRM. #1 SGSCW UNISEX RESTRM. #2 SGSCW	B 3'-0'		1 3/4"	HMC HMC	В	4/A901 4/A901	4/A901 4/A901	3/A901 3/A901	N/A		
110	EQUIPMENT CLOSET SGSCW	B 3'-0'		1 3/4"	HMC	D D	4/A901 4/A901	4/A901 4/A901	2/A901	N/A		-
111	A.H.U. CLOSET IHM/LOUV			1 3/4"	HMC		4/A901 4/A901	4/A901 4/A901	2/A901 2/A901	N/A		
112	HALLWAY SGSCW	B 2'-8'		<u>'</u>	HMC	В	1/A901	1/A901	2/A901 2/A901	N/A	_	8
113	FURNITURE CLOSET SGSCW	E (2) 2'-		<u>'</u>	HMC		4/A901	4/A901	2/A901 2/A901	N/A	_	
114	ELECT. EQUIP. RM. SGSCW	B 2'-4'		,	HMC	В	1/A901	1/A901	,	N/A	_	8
115A	MEN'S ROOM SGSCW	B 2-4 B 2'-8'		<del>'</del>	HMC	В	1/A901 1/A901	1/A901 1/A901	,	N/A N/A	SEE ID DWGS. FOR SCHLUTER DTL. @ TILE TRANSITION	1
115B	MEN'S ROOM IHM	F 2'-8'		,	HM	F	6/A901	6/A901	,	N/A	PROVIDE COORD. CARD—READER CARD ACCESS SYS.	1
116A	WOMEN'S ROOM SGSCW	B 2'-8'		<u>'</u>	HM	В	1/A901	1/A901	,	N/A	SEE ID DWGS. FOR SCHLUTER DTL. @ TILE TRANSITION	1
116B	WOMEN'S ROOM IHM	F 2'-8'		,	HM	E	6/A901	6/A901	,	N/A	PROVIDE COORD. CARD—READER CARD ACCESS SYS.	1
117	WARMING KITCHEN SGSCW	B 2'-8'		<u>'</u>	HM	В	4/A901	4/A901	,	N/A	——————————————————————————————————————	
120	MECH. EQUIP. RM. IHM	F 2'-8'		,	HM	E	6/A901	6/A901	,	N/A	_	
6-HING 1-EXIT 1-EXIT 1-POWE 1-RIM ( 2-SURF 2-MOUN 1-WIRE 1-WIRE	OWARE SET #1 (MEETING ROOM EXCES: IVE 5BB1 4.5X4.5 NRP, 630 DEVICE: VON CD-3347A-EO, 626 DEVICE: VON RX-EL-3347A-NL-OF R TRANSFER: VON EPT10 CON, 689 CYLINDER: 20-057, 626 FACE CLOSERS: LCN 4040XP SCUSH NTING PLATES: LCN 4040-18PA, 68 HARNESS: VON CON-192 HARNESS: VON CON-32P HARNESS: VON CON-6W	P-388-CON, 629 SRI TBSRT, 689	1-CARD 1-POWEF 2-CONCI 2-DOOR 1-72" TI 9 1-SET W 2-PULLS	READER: SC R SUPPLY: V EALED AUTO- BOTTOMS & HRESHOLD: ( VEATHER STR S (PER I.D. &	VON PS914 -FLUSH-BC C SWEEPS: (PER DOOR RIPPING: (PE & OWNER PI LDORA ALUM	BLK 900-2 DLTS ( (PER I MFR. ER DO ER DO	2RS PER DOOR M DOOR MFR. N NOA)	FR. NOA) 1 1 1 1 2 2 4) 2 1 1 1 1	6-HINGES: IVE : -EXIT DEVICE: -EXIT DEVICE: -POWER TRANS -RIM CYLINDER:	ET #2 - (M 5BB1 4.5X4.5 VON CD-3347 VON RX-EL-3 FER: VON EP 20-057, 62 SERS: LCN 40 ATES: LCN 40 S: VON CON- S: VON CON-	DEETING ROOM & FITNESS ROOM EXTERIOR ENTRY / EXIT, #102, 105A, 105E  NRP, 630 7A-EO, 626 3347A-NL-OP-388-CON, 626 T10 CON, 689 6 D40XP SCUSH SRI TBSRT, 689 140-18PA, 689 192 32P  NOTE: BASED ON ALDORA ALUMINUM DOORS	OOR MFR. I MFR. NOA) R. NOA) R. NOA)
		TO NEW VESTIE	JULE & NE'	W VEST. TO	AEROBICS.	#103.	104A)				EROBICS ROOM TO COV. ENRTY & MECH. EQUIP. ROOM, #104B, 120)	
HARDWARE SET #3 - (MEETING ROOM TO NEW VESTIBULE & NEW VEST. TO AEROBICS, #103, 104A)  3-HINGES: IVE 5BB1 4.5X4.5, 652  1-CLASSROOM LOCKSET: SCH ND94PD OME, 626  1-SURFACE CLOSER: LCN 4031 REG OR PA AS REQ'D., TBWMS, 689  3-SILENCERS: IVE SR64, GRAY 1-WALL STOP: IVE WS406/407CCV, 630					1 1	3-HINGES: IVE : -STOREROOM L	5BB1 4.5X4.5 OCKSET: SCH SER: LCN 404	NRP, 630  ND96PD OME, 626  OXP SCUSH SRI TBSRT, 689  1—THRESHOLD: ZER 566A—MSLA—10, ALUM 1—SET WEATHER—STRIPPING: ZER 8144S—BK				
	•	JAN., NEW VEST					N, #107A, 111				W VEST. TO UNISEX RESTROOMS, #108, 109)	
1-STOR 1-SURF	SES: IVE 5BB1 4.5X4.5, 652 REROOM LOCKSET: SCH ND96PD OME FACE CLOSER: LCN 4031 REG OR PA TBWMS, 689	A AS REQ'D.	1-PROTE 1-WALL	STOP: IVE W	E (INSIDE):	IVE 8	400, 8X34, 6 630	526 1 1		C: SCH ND40S SER: LCN 403 TBWMS,	SOME, 626 31 REG OR PA AS REQ'D. 689 1—WALL STOP: IVE WS 406/407CCV, 630	3X34, 626
	NARE SET #7 - (NEW VESTIBULE SES IVE 5BB1 4.5X4.5, 652	. TO GYM EQUIP	1	10) CERS: IVES :	CD64 OD41				HARDWARE SE 3-HINGES IVE 5	•	1TCHEN TO HALLWAY & HALLWAY TO ELECT. EQUIP., #112, 114) 652 3-SILENCERS: IVES SR64. GRAY	
1-PASS	FACE CLOSER: LCN 4031 REG OR PA TBWMS, 689	A AS REQ'D.	1-PROTE		E (INSIDE):	IVE 8	400, 8X34, 6 630	326	-STOREROOM L	OCKSET: SCH	ND96PD OME, 626 1-PROTECTION PLATE (INSIDE): IVE 8400, 8 1-WALL STOP: IVE WS 406/407CCV, 630	3X34, 626
	WARE SET #9 - (HALLWAY TO F	URNITURE CLOS	<del></del>								ALLWAY TO MEN'S, WOMEN'S ROOMS, #115A, 116A)	
6_HING	RES: IVE 5BB1 4.5X4.5, 652 REROOM LOCKSET, SCH ND96PD OME UAL FLUSH-BOLTS: IVE FB458, 626 FACE CLOSERS: LCN 4031 REG OR F TBWMS, 689	PA AS REQ'D.	2-SILEN 2-PROT		SR64, GŔAY ſES (INSIDE)		630 8400, 8X34,	626 1 1	-SURFACE CLO	OCKSET: SCH SER: LCN 403 TBWMS, VE WS 406/40	ND94PD OME, 626 31 REG OR PA AS REQ'D. 689 07CCV, 630	3X34, 626
1-STOR 2-MANU 2-SURF	$WARE\ SET\ \#11-\ (MEN'S\ \&\ WOME$	NS ROOMS TO		#115B, 116B) HARNESS: V	<u>'</u>	92			IARDWARE MA			
1-STOR 2-MANU 2-SURF	ES: IVE 5BB1 4.5X4.5 NRP 630				ON CON-32	<u>2</u> P			IVE = IVES VON = VOND		CR = ZERO CE =	
1-STOR 2-MANU 2-SURF HARDV 3-HING 1-STOR 1-POWE 1-SURF 1-RAIN 1-SET	GES: IVE 5BB1 4.5X4.5 NRP, 630 REROOM LOCKSET: SCH ND96PDEU O ER TRANSFER: VON EPT2 CON, 689 FACE CLOSER: LCN 4040XP SCUSH S DRIP: ZER 142A, ALUM WEATHER—STRIPPING: ZER 8144S—B ESHOLD: ZER 566A—MSLA—10, ALUM	SRI TBSRT, 689	1-WIRE I 1-POWEF 1-PROTE 1-DOOR	HARNESS: V R SUPPLY: S ECTION PLATE	SCE PS902, E (INSIDE): SWEEP: (PE	LGR IVE 8 ER DO	400, 8X34, 6 OR MFR. NO <i>f</i>	526	SCH = SCHLAG		CN = LCN CLOSERS	

© ALUM. IMPACT
RATED DOOR W/
LAMINATED GLASS
& APPLIED
MUNTINS

DOOR & FRAME TYPES

D HOLLOW METAL DOOR W/ FULL LOUVERED PANEL

F INSULATED HOLLOW METAL

(IMPACT RATED © EXTERIOR

OPGS.) DOOR

(G) INSULATED HOLLOW

OPGS.) DOORS

METAL (IMPACT RATED @ EXTERIOR

FRAME TYPES

ALUM. IMPACT RATED B HOLLOW METAL FRAME W/ WALL PRIED WOOD ALUM. IMPACT BATED FRAME W/ WALL APPLIED HARDWOOD CASING

NOT TO SCALE

ALUM. IMPACT RATED

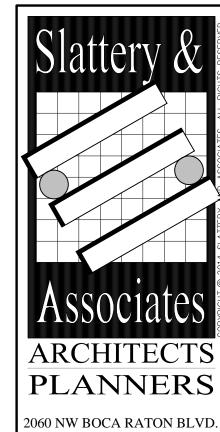
DOORS W/ LAMINATED GLASS & APPLIED MUNTINS

DOOR TYPES

B SOLID CORE WOOD DOOR

SCALE: NOT TO SCALE

REVISIONS



SUITE 2 BOCA RATON, FL 33431 TEL: 561-392-3848 FAX: 561-392-5402

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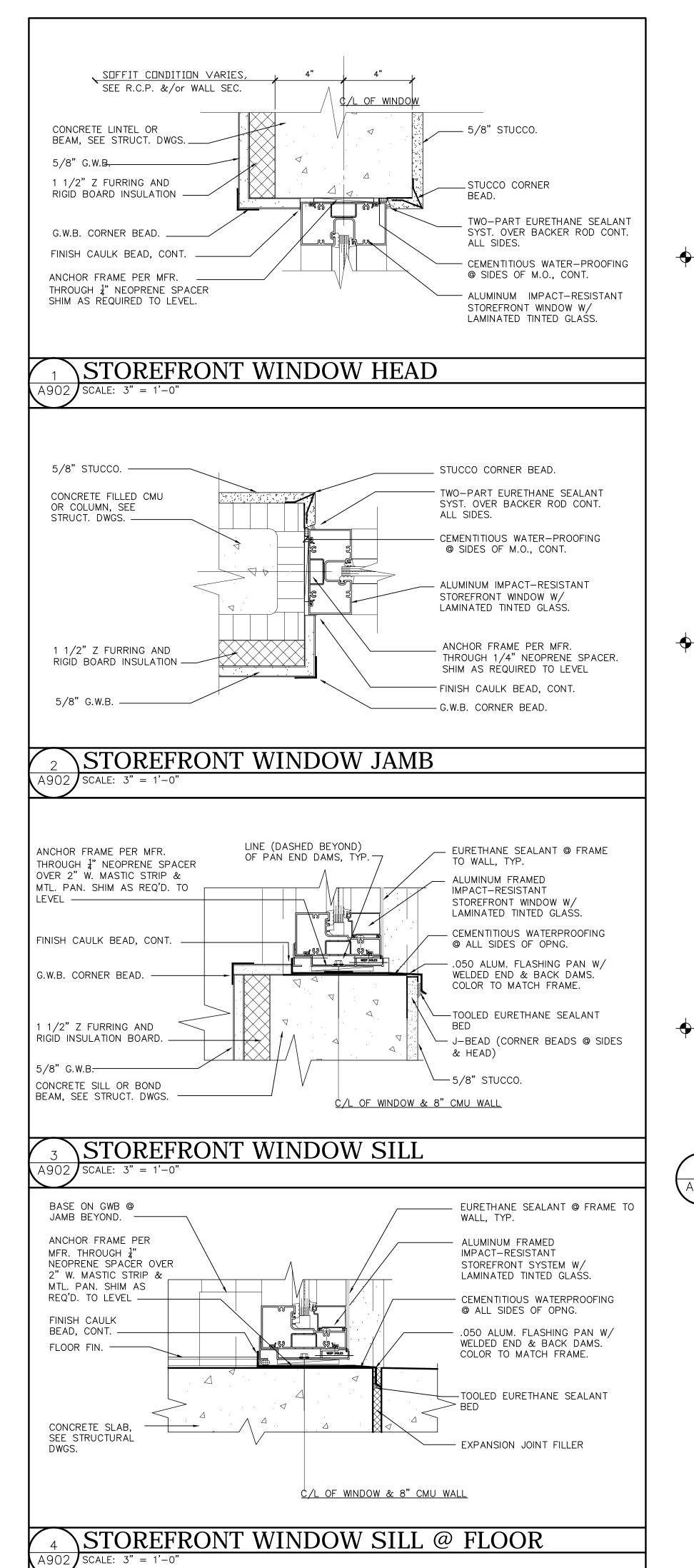
CLUB WOODFIELD HUNT C CLUBHOUSE RENOVAT AND EXPANSION A20 WOODFIELD BLVD.

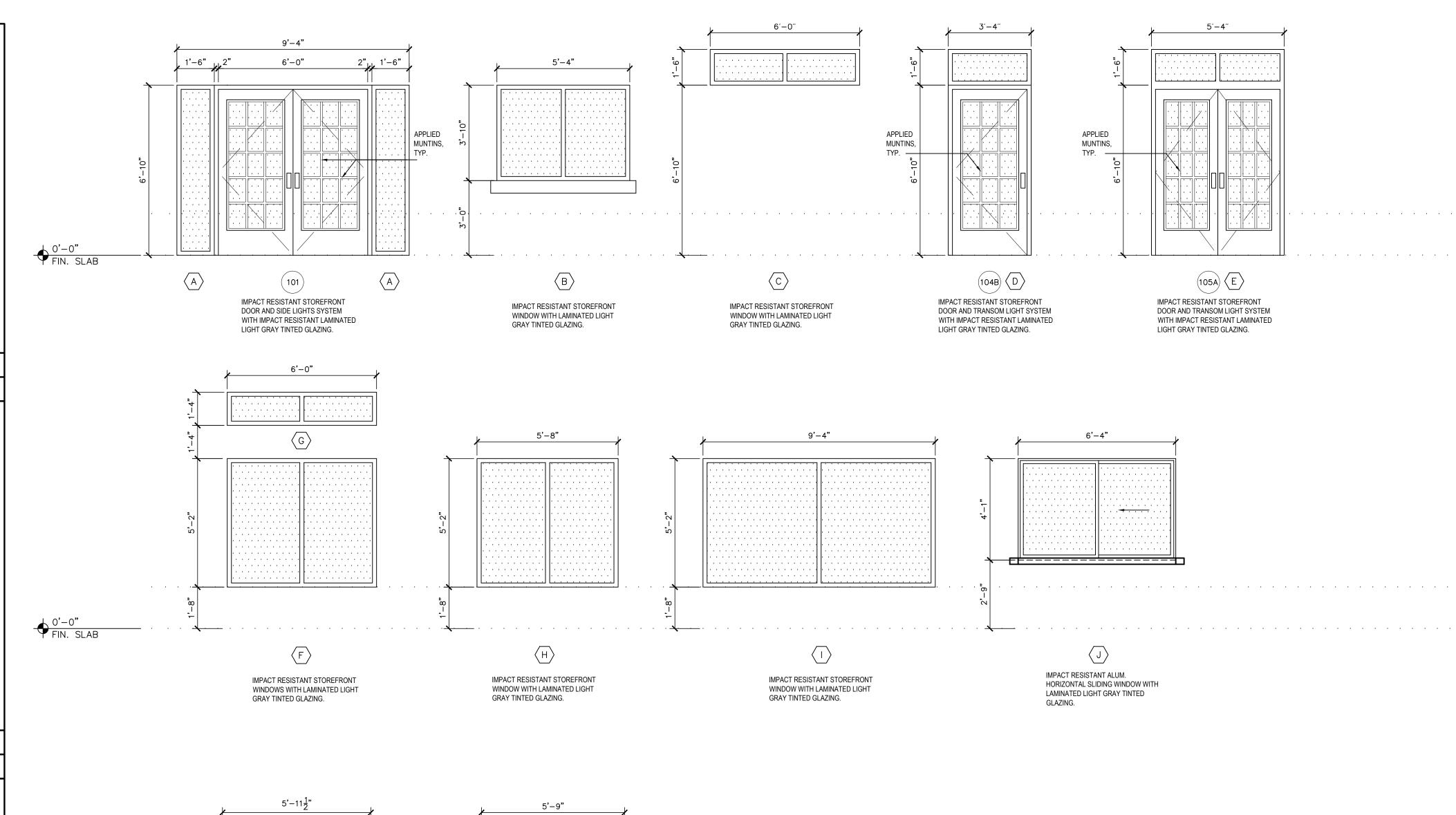
> SLATTERY & ASSOCIATES FLORIDA REGISTRATION # AA0003381

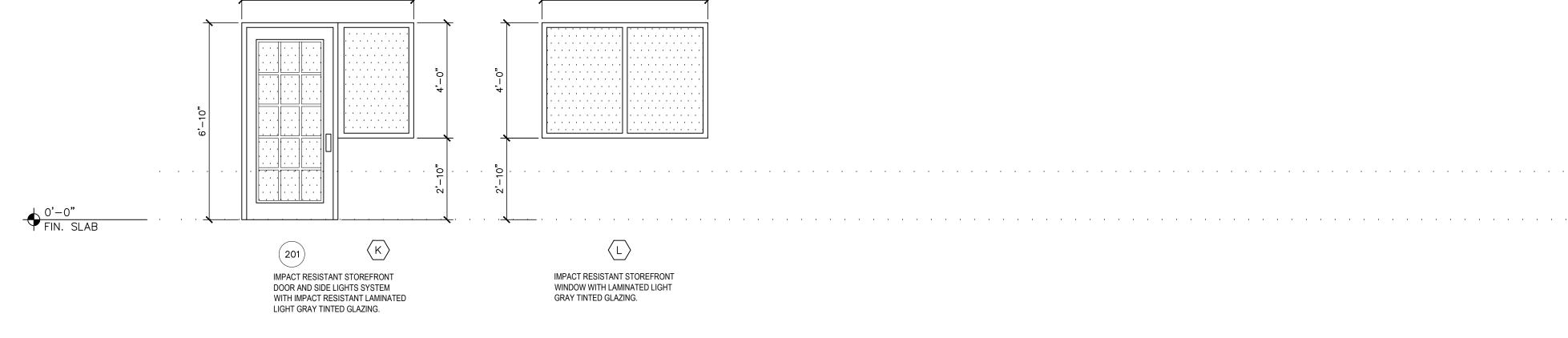
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^	DATE 7–21–16
	SCALE AS NOTED
۱ ا	JOB NO. 2014–33
JL	SHEET

E HOLLOW METAL IMPACT RATED GROUT FILLED FRAME

HOLLOW METAL IMPACT RATED GROUT FILLED FRAME



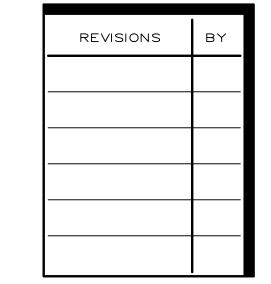






	GLAZING NOTES
1.	ALL EXTERIOR GLAZING SHALL BE LARGE MISSILE IMPACT RATED.
2.	ALL EXTERIOR GLAZING SHALL HAVE A LIGHT GRAY TINT.
3.	ALL EXTERIOR WINDOW FRAMES SHALL BE MILL FINISHED, ANODIZED COLOR.
4.	EXTERIOR TYPICAL WINDOW HEAD HEIGHT SHALL BE 8'-0" U.N.O.

5. INTERIOR TYPICAL WINDOW HEAD HEIGHT SHALL BE 7'-0" U.N.O.





### CLUB WOODFIELD



	drawn CR, DR
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DE	JOB NO. 2014–33
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0	4000

WIND

ACE NAME			WALLS			CEILING			
	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	FINISH	HEIGHT	REMARKS
NEW COVERED MAIN ENTRY	BFCONC	N/A	STUCCO	STUCCO	STUCCO	STUCCO	STUCCO	+8'-4"	-
ENTRY VESTIBULE	P-TILE	P-TILE	PT-GWB	-	PT-GWB	PT-GWB	PT-GWB	+8'-0"	NOTE: FOLLOWING DEMO., GC TO ADVISE ARCH. \$ ID IF A CEILING COFFER COULD BE ACHIEVED IN VES
EXISTING MEETING ROOM	P-TILE	P-TILE	PT-GWB	PT-GWB	PT-GWB VWC-GWB	PT-GWB	PT-GWB	+   2'-0", +   0'-0", +8'-0"	SEE ID DWGS. FOR TRAY CLG. DTLS.
NEW VESTIBULE	CARP-TI	CARP-TI	-	PT-GWB	PT-GWB	PT-GWB	PT-GWB	+9'-0"	-
NEW AEROBICS ROOM	RUB-FLR	RUB	PT-GWB	PT-GWB	PT-GWB	PT-GWB	ATC, PT-GWB	+10'-0", +9'-0"	-
NEW FITNESS ROOM	CARP-TI	CARP-TI	PT-GWB	PT-GWB	PT-GWB	PT-GWB	ATC, PT-GWB	+   2'-0", +   0'-0"	-
	RUB-FLR	RUB						+9'-0"	
NEW NORTH COVERED ENTRY	BFCONC	N/A	STUCCO	STUCCO	STUCCO	STUCCO	STUCCO	+   0'-0"	-
NEW VESTIBULE	CARP-TI	CARP-TI	PT-GWB	PT-GWB	PT-GWB	PT-GWB	PT-GWB	+9'-0"	-
A JANITOR CLOSET	P-TILE	P-TILE	EPT-MRGWB	EPT-MRGWB	EPT-MRGWB	EPT-MRGWB	PT-GWB	+9'-0"	-
NEW UNISEX RESTROOM #1	P-TILE	P-TILE	VWC-MRGWB	VWC-MRGWB	VWC-MRGWB	VWC-MRGWB	PT-GWB	+9'-0"	-
NEW UNISEX RESTROOM #2	P-TILE	P-TILE	VWC-MRGWB	VWC-MRGWB	VWC-MRGWB	VWC-MRGWB	PT-GWB	+9'-0"	-
NEW GYM EQUIPMENT CLOSET	P-TILE	P-TILE	PT-GWB	PT-GWB	PT-GWB	PT-GWB	PT-GWB	+9'-0"	-
NEW A.H.U. CLOSET	P-TILE	P-TILE	PT-GWB	PT-GWB	PT-GWB	PT-GWB	PT-GWB	+9'-0"	-
EXISTING HALLWAY	P-TILE	P-TILE	PT-GWB	PT-GWB	PT-GWB	PT-GWB	PT-GWB	+8'-0"	-
EXISTING FURNITURE STORAGE	P-TILE	P-TILE	PT-GWB	PT-GWB	PT-GWB	PT-GWB	PT-GWB	+8'-0"	-
EXISTING ELECT. EQUIP. ROOM	P-TILE	P-TILE	PT-GWB	PT-GWB	PT-GWB	PT-GWB	PT-GWB	+8'-0"	-
EXISTING MEN'S ROOM	P-TILE	P-TILE	VWC-MRGWB	VWC-MRGWB	VWC-MRGWB	VWC-MRGWB	PT-GWB	+8'-0"	-
EXISTING WOMEN'S ROOM	P-TILE	P-TILE	VWC-MRGWB	VWC-MRGWB	VWC-MRGWB	VWC-MRGWB	PT-GWB	+8'-0"	-
EXISTING WARMING KITCHEN	P-TILE	P-TILE	PT-GWB	PT-GWB	PT-GWB	PT-GWB	PT-GWB	+8'-0"	-
NEW COVERED PATIO	BFCONC	N/A	STUCCO	STUCCO	STUCCO	STUCCO	STUCCO	+8'-4"	-
NEW COVERED WALKWAY	BFCONC	N/A	STUCCO	STUCCO	STUCCO	STUCCO	STUCCO	+8'-4"	-
EXISTING MECH. EQUIP. CLOSE	T P-TILE	P-TILE	PT-GWB	PT-GWB	PT-GWB	PT-GWB	PT-GWB	+8'-0"	-
TENNIS BLDG. NEW COVERED E	NTRY BFCONC	N/A	STUCCO	STUCCO	STUCCO	STUCCO	STUCCO	+8'-0"	-
TENNIS BLDG. NEW PRO OFFICE	P-TILE	P-TILE	PT-GWN	PT-GWN	PT-GWN	PT-GWN	PT-GWN	+8'-0"	-
TENNIS BLDG. EXIST. EQUIP. CL	OSET ETR	N/A	ETR, RE-PAINT	ETR, RE-PAINT	ETR, RE-PAINT	ETR, RE-PAINT	ETR, RE-PAINT	+8'-0"	-

MEA

VINYL VINYL STRIP BASE

FLD-VER FIELD VERIFY

VC-TILE VINYL COMPOSITION TILE

OTS OPEN TO STRUCTURE

MATCH EXISTING ADJACENT FINISH

C.M.U. UNFINISHED C.M.U. W/ TOOLED MORTAR JOINTS

EPT-MRGWB EPOXY PAINTED MOISTURE RESISTANT G.W.B.

CARP-TI CARPET TILE ADHESIVE BACK ADHERED

VWC-MRGWB VINYL WALL COVERING OVER MOISTURE RESISTANT G.W.B.

PREM-SWP PREMIUM SIMULATED WOOD PLANK

EXISTING TO REMAIN

PT-MRGWB PAINTED MOISTURE RESISTANT GYPSUM WALLBOARD

ACOUSTIC TILE & SUSPENDED METAL GRID CEILING SYSTEM

PT-GWB PAINTED GYPSUM WALLBOARD

PORCELAIN TILE

P-T COVE PORCELAIN TILE COVE BASE

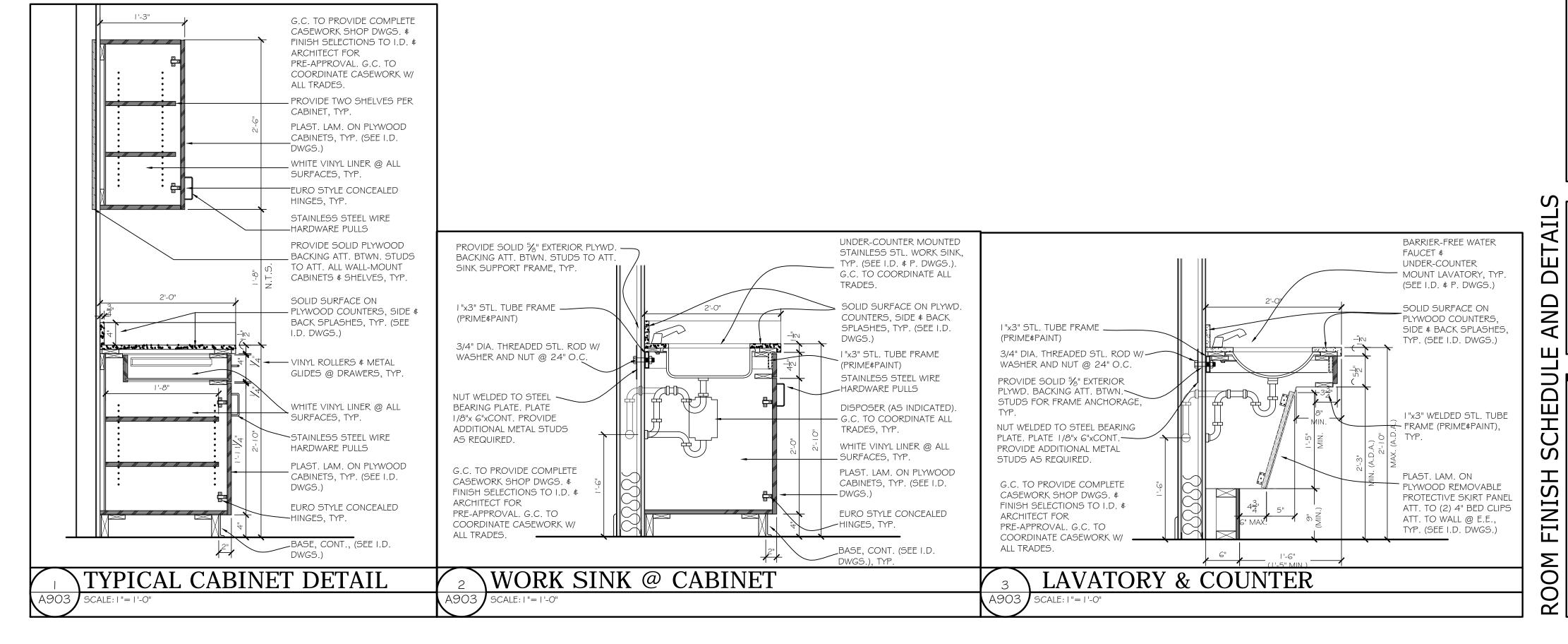
EXISTING

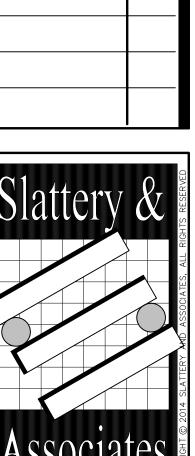
EPOXP EPOXY PAINT

ETR

**EXIST** 

P-TILE





REVISIONS

**ARCHITECTS PLANNERS** 2060 NW BOCA RATON BLVD. SUITE 2 • BOCA RATON, FL 33431 TEL: 561-392-3848 FAX: 561-392-5402 WWW.SLATTERYARCHITECTS.COM

URETHANE FLUID APPLIED SEALANT OVER EXISTING OR NEW CONCRETE SLAB

PROVIDED BY G.C. \$ INSTALL BY SYS. VENDOR

CARPET & BACKING (ROLLED GOODS)

PAINT GRADE WOOD

NOT APPLICABLE / NONE

NO SURFACE EXISTS

PAINTED STUCCO

BFCONC BROOM FINISHED CONCRETE

GLASS

PT-WD

GLASS

STUCCO

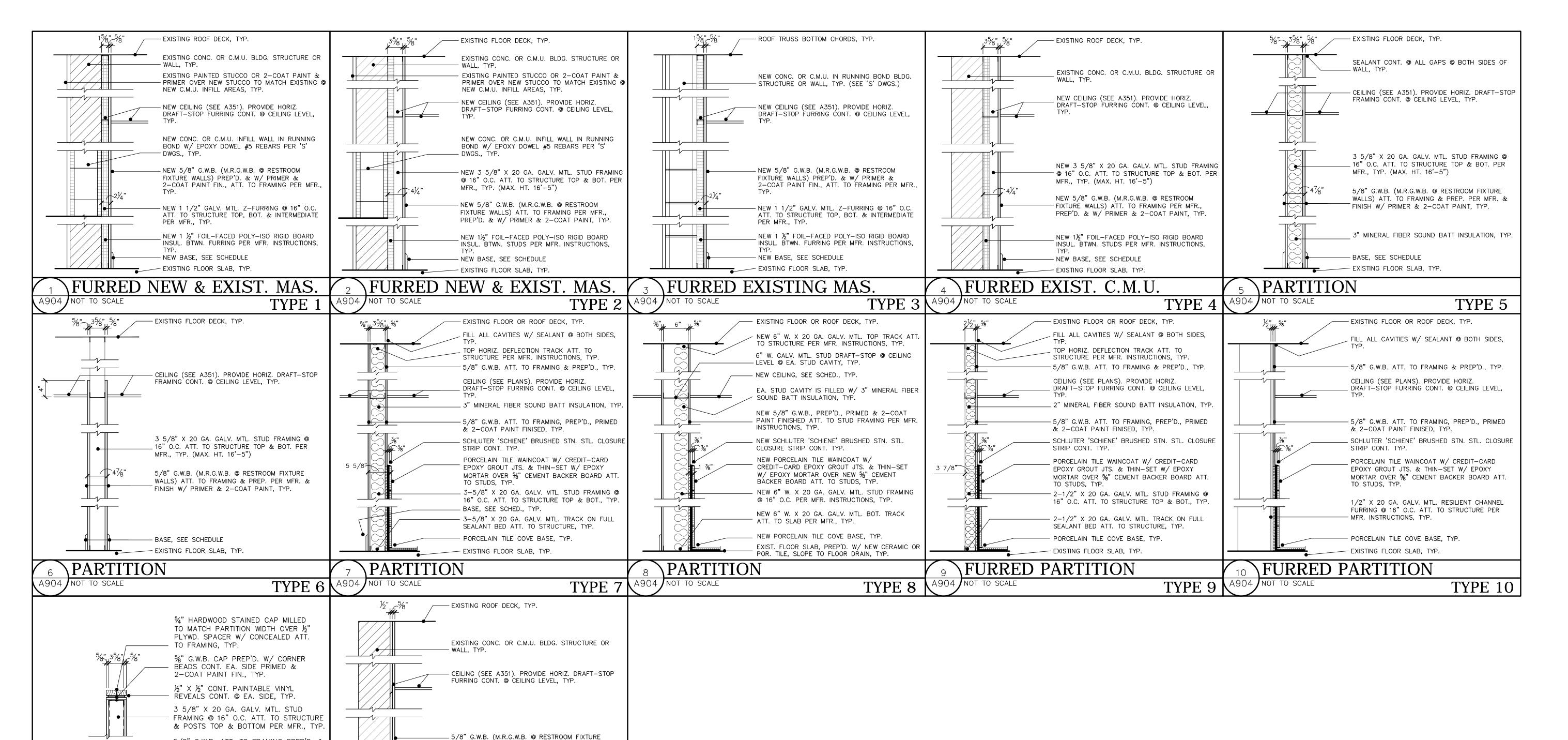
CARP

## WOODFIELD

= AI	SLATTERY & ASSOCIATES FLORIDA REGISTRATION # AA0003381					
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Ę	CHECKED CR					
ر ا	DATE 7-21-16					
Г	SCALE AS NOTED					
IIS	јов NO. 2014—33					
.TIN	SHEET					
_						

A903

7



5/8" G.W.B. ATT. TO FRAMING PREP'D. &

W/ PRIMER & 2-COAT PAINT FIN., TYP.

3 1/2" X 3 1/2" GALV. MTL T.S. POSTS W/ WELD ATTACHED 3½" W. X 8" X ¼"

STL. PLATE FOOT (EA. SIDE @ CORNERS)

ATT. TO SLAB W/ (2) WEDGE ANCHORS

**TYPE 11** 

@ EA. FOOT, TYP.

PARTITION

NOT TO SCALE

BASE, SEE SCHED., TYP.

EXIST. FLOOR SLAB, TYP.

WALLS) PREP'D. & W/ PRIMER & 2-COAT PAINT

FIN., ATT. TO FRAMING PER MFR., TYP.

BOT. & INTERMEDIATE PER MFR., TYP.

- NEW BASE, SEE SCHEDULE

\_\_\_\_ EXISTING FLOOR SLAB, TYP.

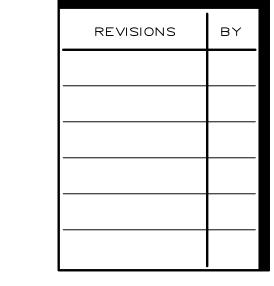
FURRED WALL

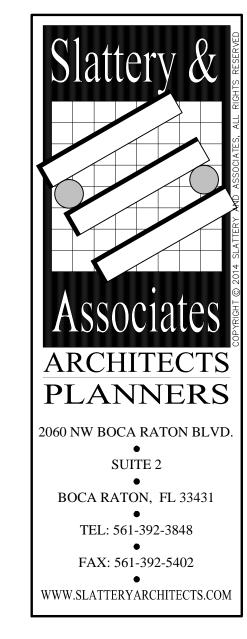
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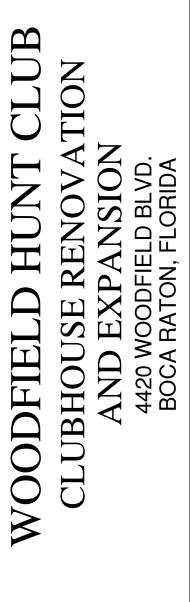
NEW 1/2" GALV. MTL. RESILIENT CHANNEL

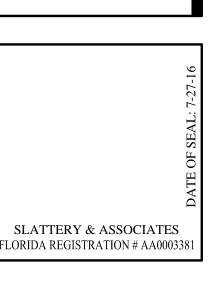
FURRING @ 16" O.C. ATT. TO STRUCTURE TOP,

**TYPE 14** 









	FLORIDA REGISTRATION # AA0					
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۸IL	drawn CR, DR					
ET/	CHECKED CR					
	DATE 7–21–16					
<u>න</u>	scale AS NOTED					
ES	JOB NO. 2014–33					
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### **SPECIFICATIONS**

00010 AIA DOCUMENT A201, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, FOURTEENTH EDITION, 1987, ARTICLES 1 TO 14 INCLUSIVE ARE HEREBY MADE A FULL PART OF THE CONTRACT DOCUMENTS TO THE SAME EXTENT AS IF WRITTEN OUT HEREIN IN FULL.

01010 THIS PROJECT SHALL BE IDENTIFIED AS "WOODFIELD HUNT CLUB CLUBHOUSE ADDITION & RENOVATIONS". IT IS AN EXISTING COMMUNITY CLUBHOUSE OF APPROXIMATELY 2,170 G.S.F. ONE STORY MASONRY BUILDING WITH WOOD ROOF TRUSSES AND CONCRETE TILE ROOF. NEW CONSTRUCTION WILL INVOLVE AN APPROXIMATE 2,500 G.S.F. ADDITION INCLUDING AN AEROBICS ROOM, FITNESS ROOM, TWO UNISEX RESTROOMS AND AN EXTERIOR COVERED PATIO. THE INTERIOR ROOMS OF THE EXISTING CLUBHOUSE ARE ALSO BEING RENOVATED. A FREE-STANDING TENNIS KIOSK BUILDING WILL ALSO UNDERGO THE ADDITION OF AN APPROXIMATE 150 G.S.F. OFFICE FOR THE TENNIS PROFESSIONAL. THE BUILDING IS LOCATED AT 4420 WOODFIELD BLVD. IN BOCA RATON, FLORIDA. THE BUILDING IS TO BE TYPE V UNPROTECTED, UN-SPRINKLERED CONSTRUCTION. THE PROJECT INCLUDES SITEWORK, LANDSCAPING, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND INTERIOR DESIGN FINISHES & FIXTURES WORK. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION.

01250 FOR MINOR CHANGES IN THE WORK, THE ARCHITECT WILL ISSUE SUPPLEMENTAL INSTRUCTIONS AUTHORIZING MINOR CHANGES IN THE WORK ON AIA FORM G710. FOR OWNER-INITIATED CHANGES, THE ARCHITECT WILL ISSUE AN CHANGE ORDER PROPOSAL REQUEST WITH A DESCRIPTION OF PROPOSED OWNER-INITIATED CHANGES IN THE WORK THAT REQUIRE ADJUSTMENT TO THE CONTRACT SUM OR TIME. THE DESCRIPTION MAY INCLUDE SUPPLEMENTAL OR REVISED DRAWINGS AND SPECIFICATIONS. PROPOSAL REQUESTS ARE FOR INFORMATION ONLY. DO NOT CONSIDER THEM AN INSTRUCTION TO STOP WORK OR TO EXECUTE THE PROPOSED CHANGE. THE ARCHITECT MAY ISSUE A FIELD DIRECTIVE TO SUPPLEMENT OR REVISE THE CONTRACT DOCUMENTS FOR LARGER MORE INVOLVED CHANGES. THE FIELD DIRECTIVE CONTAINS A DESCRIPTION OF THE CHANGE AND DESIGNATES THE METHOD TO BE FOLLOWED TO DETERMINE CHANGE IN THE CONTRACT SUM OR TIME. MAINTAIN DETAILED RECORDS OF WORK REQUIRED BY THE FIELD DIRECTIVE. WHEN UNFORESEEN CONDITIONS REQUIRE MODIFICATIONS, THE CONTRACTOR MAY SUBMIT A REQUEST FOR A CHANGE TO THE ARCHITECT. DESCRIBE THE PROPOSED CHANGE. INDICATE REASONS FOR THE CHANGE AND THE EFFECT OF THE CHANGE ON THE CONTRACT SUM AND TIME. WITHIN 20 DAYS OF RECEIPT, SUBMIT AN ESTIMATE OF COST NECESSARY TO EXECUTE THE CHANGE FOR THE OWNER'S REVIEW. INCLUDE AN ITEMIZED LIST OF PRODUCTS REQUIRED AND UNIT COSTS, WITH THE TOTAL AMOUNT OF PURCHASES. INDICATE TAXES, DELIVERY CHARGES, EQUIPMENT RENTAL, AND AMOUNTS OF TRADE DISCOUNTS. INDICATE THE EFFECT THE CHANGE WILL HAVE ON THE CONTRACT TIME. UPON THE OWNER'S APPROVAL OF A PROPOSAL REQUEST, THE ARCHITECT WILL ISSUE A CHANGE ORDER.

01290 APPLICATIONS FOR PAYMENT SHALL BE COORDINATED WITH THE SCHEDULE OF VALUES, THE CONTRACTOR'S CONSTRUCTION SCHEDULE, SUBMITTAL SCHEDULE, AND LIST OF SUBCONTRACTS. SUBMIT THE SCHEDULE OF VALUES AT THE EARLIEST POSSIBLE DATE BUT NO LATER THAN 7 DAYS BEFORE THE DATE SCHEDULED FOR SUBMITTAL OF THE INITIAL APPLICATIONS FOR PAYMENT. UTILIZE AIA DOCUMENT G702, APPLICATION AND CERTIFICATION FOR PAYMENT. PROVIDE A BREAKDOWN OF THE CONTRACT SUM IN SUFFICIENT DETAIL AND AGREEABLE TO THE ARCHITECT TO FACILITATE EVALUATION OF APPLICATIONS FOR PAYMENT. UPDATE AND RESUBMIT THE SCHEDULE OF VALUES WHEN CHANGE ORDERS OR CONSTRUCTION CHANGE DIRECTIVES CHANGE THE CONTRACT SUM. APPLICATIONS FOR PAYMENT SHALL BE CONSISTENT WITH PREVIOUS APPLICATIONS AND PAYMENTS AS CERTIFIED BY THE ARCHITECT AND PAID FOR BY THE OWNER. SUBMIT 3 EXECUTED NOTORIZED ORIGINAL COPIES OF EACH APPLICATION FOR PAYMENT TO THE ARCHITECT, INCLUDING WAIVERS OF LIEN AND SIMILAR ATTACHMENTS. WITH EACH APPLICATION FOR PAYMENT, SUBMIT WAIVERS OF LIEN FROM EVERY ENTITY WHO MAY FILE A LIEN ARISING OUT OF THE CONTRACT AND RELATED TO THE WORK COVERED BY THE PAYMENT. SUBMIT PARTIAL WAIVERS ON EACH ITEM FOR THE AMOUNT REQUESTED, PRIOR TO DEDUCTION FOR RETAINAGE, ON EACH ITEM. WHEN AN APPLICATION SHOWS COMPLETION OF AN ITEM, SUBMIT FINAL OR FULL WAIVERS. SUBMIT FINAL APPLICATIONS FOR PAYMENT WITH FINAL WAIVERS FROM EVERY ENTITY INVOLVED WITH PERFORMANCE OF THE WORK COVERED BY THE APPLICATION WHO MAY FILE A LIEN. FOLLOWING ISSUANCE OF THE CERTIFICATE OF SUBSTANTIAL COMPLETION, SUBMIT AN APPLICATION FOR PAYMENT. THIS APPLICATION SHALL REFLECT CERTIFICATES OF PARTIAL SUBSTANTIAL COMPLETION ISSUED PREVIOUSLY FOR OWNER OCCUPANCY OF DESIGNATED PORTIONS OF THE WORK.ADMINISTRATIVE ACTIONS AND SUBMITTALS THAT SHALL PRECEDE OR COINCIDE WITH THIS APPLICATION INCLUDE OCCUPANCY PERMITS, WARRANTIES AND MAINTENANCE AGREEMENTS, TEST/ADJUST/BALANCE RECORDS, MAINTENANCE INSTRUCTIONS, METER READINGS, CHANGEOVER INFORMATION RELATED TO OWNER'S OCCUPANCY, FINAL CLEANING, APPLICATION FOR REDUCTION OF RETAINAGE AND CONSENT OF SURETY. ADMINISTRATIVE ACTIONS AND SUBMITTALS THAT MUST PRECEDE OR COINCIDE WITH SUBMITTAL OF THE FINAL APPLICATION FOR PAYMENT INCLUDE COMPLETION OF PROJECT CLOSEOUT REQUIREMENTS, COMPLETION OF ITEMS SPECIFIED FOR COMPLETION AFTER SUBSTANTIAL COMPLETION, TRANSMITTAL OF PROJECT CONSTRUCTION RECORDS TO THE OWNER. CERTIFIED PROPERTY SURVEY, PROOF THAT TAXES, FEES, AND SIMILAR OBLIGATIONS WERE PAID, REMOVAL OF TEMPORARY FACILITIES AND SERVICES, AND CHANGE OF DOOR LOCKS TO OWNER'S ACCESS.

O1310 CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING, AND COORDINATION OF ALL WORK TO ASSURE EFFICIENT AND ORDERLY SEQUENCE AND INSTALLATION OF INTERDEPENDENT CONSTRUCTION ELEMENTS. ALL DIMENSIONS SHOWN ON THIS PLAN ARE NOMINAL. THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST ACTUAL CONSTRUCTION DIMENSIONS SLIGHTLY TO ALLOW FOR EXACT MATERIAL THICKNESSES. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTOR SHALL REVIEW CONTRACT DOCUMENTS FOR THE PROJECT AND VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY OBSERVED DISCREPANCIES PRIOR TO START OF CONSTRUCTION.

01320 KEEP ONE (1) SET OF RECORD DRAWINGS FOR AS-BUILTS AT THE JOB SITE. NEATLY MARK CHANGES WITH RED PENCIL. SHOW ACTUAL LOCATIONS OF ITEMS AS INSTALLED. MARKUP SCHEDULES TO SHOW CORRECT DATA. AT COMPLETION OF PROJECT, SIGN SETS OF PRINTS CERTIFYING THAT THESE PRINTS ARE ACTUAL AS-BUILT CONDITIONS AND TURN OVER TO ARCHITECT.

01330 CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WHICH ILLUSTRATE EXACT PRODUCT PROPOSED, BUILDING DEPARTMENT PRODUCT APPROVAL, TESTING AGENCY APPROVAL REPORTS, DIMENSIONS, FABRICATION, SAMPLES, LAYOUT, SETTING OR ERECTION DETAILS AS NECESSARY TO CLEARLY DEPICT TO THE ARCHITECT THE INTENDED MATERIALS AND METHODS OF CONSTRUCTION AND TO ALLOW ARCHITECT TO MAKE APPROPRIATE SELECTION OF AVAILABLE COLOR AND FINISH. CONTRACTOR SHALL COORDINATE PREPARATION AND PROCESSING OF SUBMITTALS WITH PERFORMANCE OF CONSTRUCTION ACTIVITIES TO AVOID DELAYS ALLOWING A/E CONSULTANTS MINIMUM 14 DAYS FOR REVIEW. DO NOT MAKE PARTIAL SUBMITTALS. TAKE FIELD MEASUREMENTS AND SUBMIT CUT SHEETS, BROCHURES, PERFORMANCE CHARTS, AND PALETTE OF AVAILABLE PATTERNS AND COLORS WHERE ARCHITECT'S SELECTION IS REQUIRED. ARCHITECT WILL ASSIST IN PROVIDING ADDITIONAL DIMENSIONS OR CLARIFICATIONS IF NEEDED, BUT CONTRACTOR IS RESPONSIBLE FOR ACTUAL FIELD ADJUSTED DIMENSIONS. ARCHITECT IS NOT RESPONSIBLE TO CHECK DIMENSIONS ON SHOP DRAWINGS. GENERAL CONTRACTOR SHALL REVIEW SHOP DRAWINGS FOR COMPLIANCE, CLOUD AND IDENTIFY ANY DEVIATIONS FROM CONTRACT DOCUMENTS, NOTE CORRECTIONS AND FIELD DIMENSIONS AND MARK WITH APPROVAL STAMP PRIOR TO SUBMITTING TO THE ARCHITECT. DEVIATIONS WHICH ARE NOT IDENTIFIED BECOME THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ARRANGE NUMBER OF COPIES DURING PRECONSTRUCTION MEETING. SUBMIT MANUFACTURER AND INSTALLER QUALIFICATIONS, WELDING CERTIFICATES, MAINTENANCE DATA AND ANY OTHER PERTINENT INFORMATION WITH SUBMITTAL, GENERAL CONTRACTOR REMAINS SOLELY RESPONSIBLE TO COORDINATE BETWEEN TRADES, AND CONFIRM THAT THE DETAILS, DIMENSIONS, MANUFACTURER, AND INSTALLATION COMPLY WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.

01400 GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY CONTROL OF ALL WORK PERFORMED BY ANY OF IT'S SUPPLIERS AND SUB-CONTRACTORS. PRODUCT MANUFACTURERS SHALL BE COMPANIES SPECIALIZING IN THE PRODUCTION OF THEIR SPECIFIC PRODUCT WITH A MINIMUM TEN YEARS DOCUMENTED EXPERIENCE. APPLICATORS SHALL BE COMPANIES SPECIALIZING IN APPLYING THE SPECIFIED PRODUCT WITH MINIMUM 5 YEARS DOCUMENTED EXPERIENCE. COMPLY FULLY WITH MANUFACTURER'S INSTRUCTIONS, AND INDUSTRY STANDARDS. INSURE THAT WORK IS ONLY PERFORMED BY PERSONS PROPERLY TRAINED AND QUALIFIED TO PERFORM WORK TO INDUSTRY STANDARDS. AS A RULE OF TOLERANCE, ALL WORK SHALL BE WITHIN 1/8" IN 10' OF FLAT, LEVEL AND TRUE.

01460 THESE DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW DESIGN INTENT ONLY. THEY DO NOT SHOW EVERY MINOR DETAIL OF CONSTRUCTION. IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ALL TRADES ARE RESPONSIBLE FOR FURNISHING COMPLETE BUILDING SYSTEMS AND ALL ITEMS THAT WOULD NORMALLY BE CONSIDERED INCIDENTAL TO THEIR INSTALLATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN ON THE DRAWINGS BUT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR OPERATION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. ALL SYSTEMS AND THEIR ASSOCIATED CONTROLS MUST BE COMPLETELY INSTALLED, CONNECTED AND OPERATING TO THE SATISFACTION OF THE ARCHITECT/ENGINEER PRIOR TO FINAL ACCEPTANCE BY THE OWNER.

01500 CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRICITY, LIGHTING, VENTILATION, TELEPHONE SERVICE, POTABLE WATER, FIRE EXTINGUISHERS, SELF-CONTAINED TOILET UNITS, DRINKING-WATER FIXTURES, PUBLIC SAFETY BARRIERS, ENCLOSURES, SECURITY, SIGNAGE AND ANY OTHER NECESSARY SERVICE AS REQUIRED TO ALLOW EFFICIENT WORK AND TO SATISFY OSHA AND OTHER RELEVANT REGULATIONS. TEMPORARY ROADS AND DEWATERING FACILITIES SHALL BE PROVIDED WHERE NECESSARY. CONTRACTOR SHALL PROVIDE AN INSULATED, WEATHERTIGHT, AIR-CONDITIONED FIELD OFFICE FOR USE AS A COMMON FACILITY BY ALL PERSONNEL ENGAGED IN CONSTRUCTION ACTIVITIES; OF SUFFICIENT SIZE TO ACCOMMODATE REQUIRED OFFICE PERSONNEL AND MEETINGS AT THE PROJECT SITE. FURNISH AND EQUIP OFFICE WITH DESK AND FOUR CHAIRS, FOUR-DRAWER FILE CABINET, A PLAN TABLE, A PLAN RACK, COPY MACHINE, FAX MACHINE, AND SUPPLIES

01600 ALL MATERIALS USED IN CONSTRUCTION SHALL BE NEW AND IN ORIGINAL WRAPPER WHEN DELIVERED TO THE SITE. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT MATERIALS FROM SOILING, MOISTURE DISFIGUREMENT, OR DAMAGE. NO ASBESTOS IN ANY FORM WILL BE PERMITTED IN THIS BUILDING.

01631 PROVIDE SPECIFIED PRODUCTS UNLESS A SUBSTITUTION HAS BEEN PRESENTED BY THE GENERAL CONTRACTOR TO THE ARCHITECT AND APPROVED IN WRITING. SUBMIT ALL MATERIAL NECESSARY FOR THE ARCHITECT TO COMPARE THE PROPOSED SUBSTITUTION TO THE SPECIFIED PRODUCT. IDENTIFY THE BENEFITS OF THE USE OF THE SUBSTITUTION OVER THE SPECIFIED PRODUCT. PROVIDE THE SAME WARRANTY FOR SUBSTITUTED PRODUCTS AS IS REQUIRED FOR THE SPECIFIED PRODUCT. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST WHICH ARISE FROM CHANGES TO WORK OR OTHERWISE AS A RESULT OF THE USE OF THE SUBSTITUTION.

01700 CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL MATERIALS AND LABOR AS NECESSARY TO CONSTRUCT THE FACILITY DEPICTED ON THESE PLANS. CONTRACTOR SHALL COORDINATE FIT AND FINISH TO PRODUCE THE PROJECT DEPICTED ON THE CONSTRUCTION DOCUMENTS. ARCHITECT WILL ASSIST IN PROVIDING ADDITIONAL DIMENSIONS OR CLARIFICATIONS IF NEEDED, BUT CONTRACTOR IS RESPONSIBLE FOR ACTUAL FIELD ADJUSTED DIMENSIONS. CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS, LICENSES, INSPECTIONS AND ALL OTHER REQUIRED FEES. THIS FACILITY SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH ALL APPLICABLE CODES, ORDINANCES, AND GOVERNMENTAL REGULATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.

01731 CUTTING OF STEEL, WOOD, OR OTHER MAIN STRUCTURAL MEMBERS IS NOT ALLOWED WITHOUT WRITTEN APPROVAL OF STRUCTURAL ENGINEER PRIOR TO CUTTING. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ADJACENT PROPERTY AND TO PATCH AND REPAIR TO AS IT WAS OR BETTER CONDITION WHEN DAMAGE OCCURS OR IT BECOMES NECESSARY TO DISTURB ADJACENT PROPERTY.

01770 UPON SUBSTANTIAL COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL WALK THE FACILITY WITH THE OWNER AND ARCHITECT AND DEMONSTRATE OPERATION OF EQUIPMENT, RECORD ITEMS OWNER OR ARCHITECT ARE DISSATISFIED WITH AND COORDINATE SUBCONTRACTORS CORRECTION OF SAME. THE CONTRACTOR MAY REDUCE RETAINAGE TO 5% ON THE APPLICATION FOR PAYMENT FOLLOWING SUBSTANTIAL COMPLETION. UPON FINAL COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUBMIT FINAL APPLICATION FOR PAYMENT ADJUSTED TO REDUCE RETAINAGE TO 0% AND TURN OVER TO THE OWNER A CLEAN FACILITY, WITH A CERTIFICATE OF OCCUPANCY, RECORD DOCUMENTS, MECHANICAL AND ELECTRICAL INSPECTION CERTIFICATES, WARRANTIES AND BONDS, EVIDENCE OF PAYMENT AND RELEASE OF LIENS, KEYS AND KEYING SCHEDULE, AND OPERATION AND MAINTENANCE MANUALS.

02070 DEMOLISH EXISTING CONSTRUCTION AND IMPROVEMENTS WITHIN WORK AREA COMPLETELY. REMOVE ALL MANMADE ITEMS EXCEPT ITEMS INDICATED TO REMAIN. REMOVE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS OFF-SITE. PROTECT SITEWORK AND ADJACENT STRUCTURES. COORDINATE DISCONNECTION, CAPPING AND REMOVAL OF UTILITIES. ASBESTOS AND HAZARDOUS MATERIALS DEMOLITION OR REMOVAL WORK IS NOT PART OF THIS CONTRACT. SUBMIT FOR APPROVAL DEMOLITION SCHEDULE. COMPLY WITH GOVERNING CODES AND REGULATIONS. USE EXPERIENCED INSTALLERS. DO NOT DAMAGE BUILDING ELEMENTS AND IMPROVEMENTS INDICATED TO REMAIN. ITEMS OF SALVAGE VALUE AND NOT INCLUDED ON SCHEDULE OF SALVAGE ITEMS TO BE RETURNED TO OWNER SHALL BE REMOVED FROM STRUCTURE. STORAGE OR SALE OF ITEMS AT PROJECT SITE IS PROHIBITED. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, DRIVES OR OTHER OCCUPIED OR USED SPACES OR FACILITIES WITHOUT THE WRITTEN PERMISSION OF THE OWNER AND THE AUTHORITIES HAVING JURISDICTION. DO NOT INTERRUPT UTILITIES SERVING OCCUPIED OR USED FACILITIES WITHOUT THE WRITTEN PERMISSION OF THE OWNER AND AUTHORITIES HAVING JURISDICTION. IF NECESSARY, PROVIDE TEMPORARY UTILITIES. CEASE OPERATIONS IF PUBLIC SAFETY OR REMAINING STRUCTURES ARE ENDANGERED. PERFORM TEMPORARY CORRECTIVE MEASURES UNTIL OPERATIONS CAN BE CONTINUED PROPERLY.

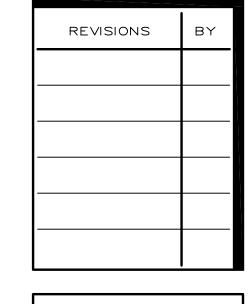
02230 CLEAR AND GRUB TREES, STUMPS, VEGETATION, DEBRIS, RUBBISH, AND DESIGNATED IMPROVEMENTS FROM SITE. PROTECT TREES, LANDSCAPING, SITE IMPROVEMENTS, AND OTHER ITEMS NOT SCHEDULED FOR CLEARING, OR THAT MIGHT BE DAMAGED BY CONSTRUCTION ACTIVITIES. STRIP TOPSOIL AND STOCKPILE AT APPROVED LOCATION ON-SITE. PROVIDE TEMPORARY EROSION AND DUST CONTROL. DO NOT DISTURB BENCHMARKS OR MONUMENTS. COMPLY WITH GOVERNING CODES AND REGULATIONS. USE EXPERIENCED WORKMEN. PREVENT DAMAGE TO EXISTING IMPROVEMENTS INDICATED TO REMAIN, INCLUDING IMPROVEMENTS ON AND OFF SITE. PROTECT EXISTING TREES AND VEGETATION INDICATED TO REMAIN. DO NOT STOCKPILE MATERIALS AND RESTRICT TRAFFIC WITHIN DRIP LINE OF TREES. PROVIDE AND MAINTAIN TEMPORARY GUARDS TO ENCIRCLE TREES OR GROUPS OF TREES; OBTAIN APPROVAL BEFORE BEGINNING WORK. WATER VEGETATION AS REQUIRED TO MAINTAIN HEALTH. COVER TEMPORARILY EXPOSED ROOTS WITH WET BURLAP AND BACKFILL AS SOON AS POSSIBLE. COAT CUT PLANT SURFACES WITH APPROVED EMULSIFIED ASPHALT PLANT COATING. REPAIR OR REPLACE VEGETATION WHICH HAS BEEN DAMAGED OR PAY DAMAGES. REMOVE HEAVY GROWTHS OF GRASS BEFORE STRIPPING. STOCKPILE SATISFACTORY TOPSOIL WITHOUT STONES, FOREIGN MATTER AND WEEDS IN LOCATIONS DIRECTED. COMPLETELY REMOVE ALL IMPROVEMENTS INCLUDING STUMPS AND DEBRIS EXCEPT FOR THOSE INDICATED TO REMAIN. REMOVE BELOW GRADE IMPROVEMENTS AT LEAST 12" BELOW FINISH GRADE AND TO THE EXTENT NECESSARY TO NOT INTERFERE WITH NEW CONSTRUCTION. REMOVE ABANDONED MECHANICAL AND ELECTRICAL WORK AS REQUIRED. PREVENT EROSION AND SILTATION OF STREETS, CATCH BASINS AND PIPING. CONTROL WINDBLOWN DUST. REMOVE WASTE MATERIALS AND UNSATISFACTORY TOPSOIL FROM SITE AND DISPOSE OF IN A LEGAL MANNER.

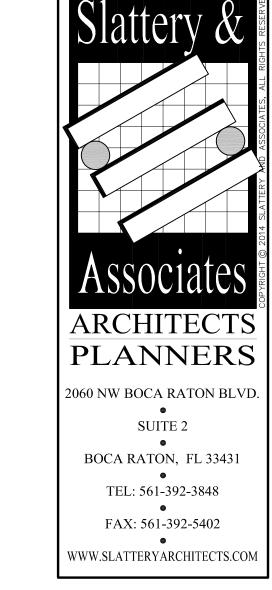
02300 PERFORM EXCAVATION, FILLING, COMPACTING AND GRADING OPERATIONS BOTH INSIDE AND OUTSIDE BUILDING LIMITS AS REQUIRED FOR BELOW-GRADE IMPROVEMENTS AND TO ACHIEVE CONTOURS AND ELEVATIONS INDICATED. PROVIDE TRENCHING AND BACKFILL FOR MECHANICAL AND ELECTRICAL WORK AND UTILITIES. PROVIDE SUBBASE MATERIALS, DRAINAGE FILL, AND COMMON FILL MATERIALS FOR SLABS, PAVEMENTS, AND IMPROVEMENTS. PROVIDE SUITABLE FILL FROM OFFSITE IF ON-SITE QUANTITIES ARE INSUFFICIENT OR UNACCEPTABLE, AND LEGALLY DISPOSE OF EXCESS FILL OFFSITE. PROVIDE ROCK EXCAVATION WITHOUT BLASTING UNLESS BLASTING IS SPECIFICALLY AUTHORIZED. SUBMIT FOR APPROVAL TEST REPORTS, LIST OF MATERIALS AND GRADATIONS PROPOSED FOR USE. COMPLY WITH GOVERNING CODES AND REGULATIONS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION. SUBBASE MATERIA SHALL BE GRAVEL OR CRUSHED STONE GRADED FOR INTENDED USE AS SUBBASE FOR PAVING MATERIALS SPECIFIED. DRAINAGE FIL SHALL BE WASHED GRAVEL OR CRUSHED STONE, 1/4" TO 3/4" SIZE; ASTM C33, SIZE 67. COMMON FILL SHALL BE MINERAL SOIL SUBSTANTIALLY FREE FROM ORGANIC AND UNSUITABLE MATERIALS, AND FREE FROM ROCK OR GRAVEL LARGER THAN 2" IN DIAMETER; 80 PERCENT PASSING NO. 40 SIEVE AND NOT MORE THAN 50 PERCENT PASSING NO. 200 SIEVE. STRUCTURAL FILL SHALL BE GRAVEL OR SANDY GRAVEL FREE OF ORGANIC AND UNSUITABLE MATERIALS AND WITHIN THE FOLLOWING GRADATION LIMITS: 4" SIEVE, 100 PERCENT FINER BY WEIGHT; 1" SIEVE, 60 TO 100 PERCENT; NO. 4 SIEVE, 25 TO 85 PERCENT; NO. 20 SIEVE, 10 TO 60 PERCENT; NO. 50 SIEVE, 4 TO 35 PERCENT; NO. 200 SIEVE, 0 TO 5 PERCENT. EXCAVATION IS UNCLASSIFIED AND INCLUDES EXCAVATION TO SUBGRADE REGARDLESS OF MATERIALS ENCOUNTERED. DO NOT PERFORM WORK WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER IF SUBGRADE MATERIAL IS UNSUITABLE FOR INTENDED USE. MAINTAIN STABILITY OF EXCAVATIONS; COORDINATE SHORING AND BRACING AS REQUIRED BY AUTHORITIES HAVING JURISDICTION. PREVENT SURFACE AND SUBSURFACE WATER FROM ACCUMULATING IN EXCAVATIONS. STOCKPILE SATISFACTORY

MATERIALS FOR REUSE, ALLOW FOR PROPER DRAINAGE AND DO NOT STOCKPILE MATERIALS WITHIN DRIP LINE OF TREES TO REMAIN. COMPACT MATERIALS AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D1557 BY AERATION OR WETTING. PLACE ACCEPTABLE MATERIALS IN LAYERS NOT MORE THAN 8" LOOSE DEPTH FOR MATERIALS COMPACTED BY HEAVY EQUIPMENT AND NOT MORE THAN 4" LOOSE DEPTH FOR MATERIALS COMPACTED BY HAND EQUIPMENT. GRADE TO WITHIN 1/2" ABOVE OR BELOW REQUIRED SUBGRADE AND WITHIN A TOLERANCE OF 1/2" IN TEN FEET. PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION. RECOMPACT AND REGRADE SETTLED, DISTURBED AND DAMAGED AREAS AS NECESSARY TO RESTORE QUALITY, APPEARANCE, AND CONDITION OF WORK. CONTROL EROSION AND WINDBLOWN DUST. DISPOSE OF WASTE AND UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER.

02361 PROVIDE SOIL TREATMENT FOR TERMITE CONTROL AT THE END OF EARTHWORK OPERATIONS. SUBMIT FOR APPROVAL PRODUCT DATA, WARRANTY. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE WRITTEN WARRANTY AGREEING TO RE-TREAT SOIL AND REPAIR DAMAGE CAUSED BY TERMITE INFESTATION, CARPENTER ANTS AND OTHER PESTS DURING 5 YEAR PERIOD FROM DATE OF SUBSTANTIAL COMPLETION. AN INSECTICIDE PROVEN TO PREVENT INFESTATION, ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, AND NOT INJURIOUS TO PLANTS AND LANDSCAPING. TREAT SOIL IN STRICT COMPLIANCE WITH NATIONAL PEST CONTROL ASSOCIATION STANDARDS AND WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND RECOMMENDATIONS. DO NOT BEGIN TREATMENT WORK UNTIL ALL EXCAVATION, FILLING AND GRADING IS COMPLETED. DO NOT APPLY TREATMENT TO FROZEN OR EXCESSIVELY WET SOILS. POST SIGNS AND OTHER WARNINGS INDICATING THAT SOIL POISONING HAS BEEN APPLIED. PROTECT PERSONS AND PROPERTY FROM INJURY OR DAMAGE FROM SOIL TREATMENT

02821 PROVIDE CHAIN LINK FENCES AND GATES AS INDICATED ON THE DRAWINGS. FENCING TO BE 6' WITH SWING TYPE GATES. TYPICAL LINE POST SPACING TO BE 10' O.C. WITH TOP AND CENTER RAILS REQUIRED. SUBMIT PROJECT SPECIFIC SHOP DRAWINGS, MANUFACTURER'S TECHNICAL DATA, SPECIFICATIONS, PVC COLOR OPTIONS, AND INSTALLATION INSTRUCTIONS FOR FENCE, GATES AND ACCESSORIES. ENGAGE AN EXPERIENCED INSTALLER WITH AT LEAST THREE YEARS EXPERIENCE. VERIFY LAYOUT INFORMATION WITH THE PROPERTY SURVEY AND EXISTING STRUCTURES. STEEL CHAIN-LINK FENCE FABRIC SHALL BE FABRICATED BY AMERICAN CHAIN LINK FENCE COMPANY OR APPROVED EQUAL IN ONE-PIECE WIDTHS FOR FENCING IN HEIGHT INDICATED TO COMPLY WITH CHAIN LINK FENCE MANUFACTURERS INSTITUTE (CLFMI) "PRODUCT MANUAL". MESH AND WIRE SIZE SHALL BE 1-3/4" MESH, 0.120" DIAMETER (11 GAGE) WITH ASTM F 668, CLASS 2B, PVC COATING. PVC COATING COLOR SHALL BE AS SELECTED BY ARCHITECT. FRAMING SHALL BE ROUND MEMBER GALVANIZED-STEEL TUBING CONFORMING TO ASTM F 761 WITH A MINIMUM INSIDE AND OUTSIDE PROTECTIVE COATING OF 0.6 OZ. OF ZINC PER SQ. FT. LINE POSTS SHALL BE 1.900" OD WITH 0.065" MINIMUM WALL THICKNESS. TERMINAL AND CORNER POSTS SHALL BE 2.375" OD WITH 0.065" MINIMUM WALL THICKNESS. GATE POSTS SHALL BE 2,375" OD WITH 0,130" MINIMUM WALL THICKNESS. POSTS SHALL BE TYPE I ROUND STANDARD WEIGHT (SCHEDULE 40) GALVANIZED-STEEL PIPE WITH MINIMUM YIELD STRENGTH OF 25,000 PSI. TOP RAIL SHALL BE 1.660" OD STEEL PIPE IN MANUFACTURER'S LONGEST LENGTHS WITH SWEDGED-END OR 6" EXPANSION-TYPE COUPLING. FITTINGS AND ACCESSORIES SHALL BE HOT-DIP GALVANIZE PRESSED STEEL OR CAST-IRON FENCE FITTINGS AND ACCESSORIES WITH AT LEAST 1.2 OZ. ZINC PER SQ. FT. PROVIDE LINE POST CAPS WITH LOOP TO RECEIVE TOP RAIL OR WEATHERTIGHT CLOSURE CAP FOR EACH POST. SET GATE AND CORNER POSTS IN 3000 PSI CONCRETE FOUNDATION. FABRICATE GATES ACCORDING TO ASTM F 654. ASSEMBLE GATE FRAMES BY WELDING HORIZONTAL AND VERTICAL MEMBERS TO ENSURE PROPER GATE OPERATION AND ATTACHMENT OF FABRIC, HARDWARE AND ACCESSORIES. FABRIC SHALL BE SAME FOR GATE AND FENCE, AND SHALL BE SECURED AT VERTICAL EDGES WITH TENSION BARS AND BANDS AND TO TOP AND BOTTOM OF FRAME WITH TIE WIRES. PROVIDE THREE GATE HINGES PER GATE OF SIZE AND MATERIAL TO SUIT GATE SIZE, NONLIFTOFF TYPE, OFFSET TO PERMIT 1800 GATE OPENING. LATCH SHALL BE FORKED TYPE OR PLUNGERBAR TYPE TO PERMIT OPERATION FROM EITHER SIDE OF GATE, WITH PADLOCK EYE AS AN INTEGRAL PART OF LATCH. EXCAVATE HOLES FOR GATE AND CORNER POSTS TO NOT LESS THAN FOUR TIMES THE LARGEST CROSS-SECTION OF POST AND 3" LOWER THAN POST BOTTOM, WITH BOTTOM OF POSTS SET NOT LESS THAN 36" BELOW FINISH GRADE SURFACE. PLACE CONCRETE AROUND POSTS AND VIBRATE FOR CONSOLIDATION. RUN TOP RAIL CONTINUOUSLY THROUGH LINE POST CAPS, BENDING TO RADIUS FOR CURVED RUNS AND AT OTHER POSTS TERMINATING INTO RAIL END ATTACHED TO POSTS OR POST CAPS FABRICATED TO RECEIVE RAIL. INSTALL CENTER RAILS IN ONE PIECE BETWEEN POSTS AND FLUSH WITH POST ON FABRIC SIDE, USING RAIL ENDS AND SPECIAL OFFSET FITTINGS WHERE NECESSARY. INSTALL BRACES AT END AND GATE POSTS AND AT BOTH SIDES OF CORNER AND PULL POSTS. INSTALL BOTTOM TENSION WIRE AT BOTTOM OF FABRIC BEFORE STRETCHING FABRIC AND TIE TO EACH POST WITH NOT LESS THAN SAME GAGE AND TYPE OF WIRE. PULL WIRE TAUT, WITHOUT SAGS. FASTEN FABRIC TO TENSION WIRE WITH 0.120" DIAMETER (11-GAGE) HOG RINGS OF SAME MATERIAL AND FINISH AS FABRIC WIRE, SPACED A MAXIMUM OF 24" O.C. PULL FABRIC TAUT AND TIE TO POSTS, RAILS, AND TENSION WIRES. INSTALL FABRIC ON SECURITY SIDE OF FENCE, AND ANCHOR TO FRAMEWORK SO THAT FABRIC REMAINS UNDER TENSION AFTER PULLING FORCE IS RELEASED. USE TIE WIRES OF PROPER LENGTH TO SECURE FABRIC FIRMLY TO POSTS AND RAILS. TIE FABRIC TO LINE POSTS 12" O.C. AND TO RAILS AND BRACES 24" O.C. ADJUST HARDWARE FOR SMOOTH OPERATION AND LUBRICATE WHERE NECESSARY. INSTALL GATES ACCORDING TO MANUFACTURER'S INSTRUCTIONS.





# WOODFIELD HUNT CLUB CLUBHOUSE RENOVATION AND EXPANSION 4420 WOODFIELD BLVD. BOCA RATON, FLORIDA



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03300 CAST-IN-PLACE CONCRETE SHALL BE PERFORMED IN COMPLIANCE WITH A.C.I. 301 STANDARDS. SUBMIT DATA ON ADMIXTURES AND CONCRETE DESIGN MIXES FOR EACH CONCRETE STRENGTH AND TYPE REQUIRED. CEMENT SHALL BE ASTM C150 TYPE 1 NORMAL, PORTLAND CEMENT; GRAY IN COLOR. AGGREGATE SHALL CONFORM WITH ASTM C33 AND WATER SHALL BE CLEAN AND FREE FROM OILS, ACIDS, SALTS, ORGANIC MATERIAL AND OTHER DELETERIOUS SUBSTANCES. BONDING AGENTS, VAPOR BARRIER, GROUT, AND JOINT FILLERS SHALL COMPLY WITH ASTM STANDARDS. CONCRETE AT STAIRS SHALL BE 4000 PSI DESIGN PER ASTM C94. CONCRETE SHALL BE PLACED WITHIN 1 HOUR OF ADDING WATER TO THE MIX. ADDITION OF WATER AT SITE SHALL BE LIMITED TO ONE GALLON PER CUBIC YARD AND SHALL ONLY BE AS AUTHORIZED BY MATERIAL PRODUCER SO AS TO NOT REDUCE CONCRETE STRENGTH. PLACE CONCRETE IN ACCORDANCE WITH A.C.I. 301. ANCHOR, SEATS, PLATES REINFORCEMENT AND OTHER ITEMS CAST INTO THE CONCRETE SHALL COMPLY WITH C.R.S.I. MANUAL OF STANDARD PRACTICE. FINISH SURFACES OF FORMED CONCRETE TO A SMOOTH STEEL TROWEL FINISH FREE FROM IMPERFECT JOINTS, FINS, HONEYCOMBING, AIR POCKETS, OR OTHER IMPERFECTIONS COMPLYING WITH ASTM AND ACI STANDARDS. FLOOR FINISH SHALL BE IN ACCORDANCE WITH ACI 301. CONCRETE SHALL BE CURED WITH MEMBRANE CURING COMPOUND; ASTM C309, TYPE 1-D, CLASS B, CLEAR RESIN TYPE KUREZ DR MANUFACTURED BE EUCLID CHEMICAL CO. OR APPROVED EQUAL.

04810 PROVIDE SPLIT-FACE AND STANDARD DIMENSIONAL UNIT MASONRY AS INDICATED. SUBMIT SAMPLES, PRODUCT DATA, AND TEST REPORTS FOR APPROVAL. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. STANDARD DIMENSIONAL CONCRETE BLOCK SHALL BE NORMALWEIGHT, ASTM C AND C 90 TYPE II, GRADE M; 7-5/8" BY 15-5/8" FACE SIZE WITH SPECIAL SHAPES AS REQUIRED. SPLIT-FACE CONCRETE BLOCK SHALL BE HIGH-DENSITY, LOW-ABSORPTION CONCRETE BLOCK; FOSTER MASONRY PRODUCTS OR APPROVED EQUAL WITH STYLE, COLOR, AND SURFACE TEXTURE AS SELECTED BY ARCHITECT FROM FULL RANGE. MORTAR SHALL BE ASTM C 270, PORTLAND CEMENT-LIME MORTAR, TYPE M ABOVE GRADE; TYPE M BELOW GRADE; OTHER TYPES AS REQUIRED BY APPLICATION. INORGANIC OXIDE MORTAR PIGMENTS, COLOR AS SELECTED; DAVIS, SOLOMON GRIND-CHEM OR APPROVED EQUAL. HORIZONTAL REINFORCING SHALL BE WELDED LADDER TYPE, 9 GAGE WIRE WITH DEFORMED SIDE RODS. REINFORCING BARS SHALL BE DEFORMED BARS, ASTM A 615, GRADE 60. COMPLY WITH PCA "RECOMMENDED PRACTICES FOR LAYING CONCRETE BLOCK". DURING HOT WEATHER, USE MORTAR WITHIN 1-1/2" HOURS AFTER MIXING FOR AMBIENT 80 DEGREES F OR ABOVE. FROM DIMENSIONS AND LOCATIONS IN CONTRACT DOCUMENTS FOR PLUMB, LEVEL AND ALIGNMENT, PLUS OR MINUS 1/8 IN 20'. LAY EXPOSED FACE BRICK IN RUNNING BOND EXCEPT AT AREAS OF SPECIAL COURSING, PATTERNS AND BONDING AS INDICATED ON DRAWINGS. MAINTAIN UNIFORM 3/8" WIDTH; TOOL CONCAVE. PROVIDE FULL BED, HEAD AND COLLAR JOINTS EXCEPT AT WEEPHOLES; KEEP CAVITY CLEAN AT CAVITY WALLS. COMPLY WITH CODES FOR TIES AND HORIZONTAL REINFORCING. SPACE TIES NOT MORE THAN 24: O.C. VERTICALLY AND HORIZONTALLY.

05120 PROVIDE STRUCTURAL STEEL FOR BUILDING CONSTRUCTION INCLUDING SUB-FRAMING UNITS WHICH ARE PART OF THE GENERAL FRAMING SYSTEM. INCLUDE ANCHORS, BASES, BEARING PLATES, BRACING, LINTELS WHEN PART OF STRUCTURAL FRAMING, AND DETAIL FITTINGS. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA, TEST REPORTS. STEEL SHAPES, PLATES AND BARS SHALL COMPLY WITH ASTM A 36, OR ASTM A 572, GRADE 50, STEEL PIPE PER ASTM A 53, ANCHOR BOLTS PER ASTM A 307, HIGH STRENGTH THREADED FASTENERS PER ASTM A 325, NON-METALLIC SHRINKAGE RESISTANT GROUT SHALL BE EUCLID EUCO NS., L&M CRYSTEX, SONNEBORN SONNEGROUT OR APPROVED EQUAL. COMPRESSIVE STRENGTH SUITED FOR PROJECT REQUIREMENTS. SHOP FINISH FOR INTERIOR EXPOSED STRUCTURAL STEEL PER SSPC SP-6 CLEANING; TNEMEC SERIES 37 CHEM-PRIME, UNIVERSAL RUST INHIBITIVE PRIMER, COMPATIBLE WITH EPOXY & URETHANE TOP COATS OR APPROVED EQUAL. GALVANIZED FINISHES SHALL BE HOT-DIPPED GALVANIZED ASTM A 123. WELDING SHALL COMPLY WITH AWS D1.1. EMPLOY A REGISTERED ENGINEER TO CHECK ELEVATIONS AND PLUMB AND LEVEL TOLERANCES; CERTIFY THAT INSTALLED WORK IS WITHIN AISC STANDARDS. OWNER MAY ENGAGE TESTING/INSPECTION AGENCY TO INSPECT WELDED AND BOLTED CONNECTIONS. FABRICATE ARCHITECTURALLY EXPOSED STEEL WITH SPECIAL CARE USING MATERIALS CAREFULLY SELECTED FOR BEST APPEARANCE. STORE MATERIALS OFF GROUND AND KEEP CLEAN. CUT, FIT AND ASSEMBLE WORK WITH SURFACES SMOOTH, SQUARE AND WITH COMPLETE CONTACT AT JOINTS. SET ALL CAMBERS UP. WELD ALL WORK CONTINUOUSLY; GRIND SMOOTH AND FLUSH TO MAKE SEAMS INVISIBLE AFTER PRIMING. PREPARE SURFACES TO COMPLY WITH SSPC-SP6; APPLY PRIME COAT WITHIN 24 HOURS AFTER CLEANING. TOUCH-UP FIELD WELDS AND ABRADED AREAS WITH SHOP PRIMER.

05400 PROVIDE COLD-FORMED METAL FRAMING INCLUDING LOADBEARING METAL STUDS AND C-SHAPED JOISTS WHERE INDICATED ON THE DRAWINGS. COLD-FORMED METAL FRAMING SHALL BE USED WHERE INDICATED ON THE DRAWINGS AT: AXIAL LOADBEARING WALLS OR PARTITIONS, EXTERIOR WALL PANELS, INTERIOR WALL PANELS AND FLOOR SUPPORT. SUBMIT FOR APPROVAL SHOP DRAWINGS ENGINEERED BY A LICENSED STRUCTURAL SPECIALTY ENGINEER, PRODUCT DATA, DEFLECTION CRITERIA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. STEEL SHALL BE: ASTM A 446, A 570, OR A 611 - 16 GAGE AND HEAVIER: 40,000 PSI YIELD STRENGTH - 18 GAGE AND LIGHTER: 33,000 PSI YIELD STRENGTH - GALVANIZED LIGHTGAGE FRAMING COMPONENTS: ASTM A 525, G90. ALLOWABLE COMPONENTS INCLUDE: C-SHAPED STUDS, PUNCHED CHANNEL TYPE STUDS, STEEL JOISTS, C-SHAPED TYPE AND STUD MANUFACTURER'S STANDARD RUNNERS, CLIP ANGLES, SHOES, REINFORCEMENTS, FASTENERS, BLOCKING, LINTELS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. COORDINATE WITH WORK OF OTHER SECTIONS. COMPLY WITH REQUIREMENTS OF ASTM C1007 FOR INSTALLATION OF STEEL STUDS AND ACCESSORIES AND METAL LATH/STEEL FRAMING ASSOCIATION LIGHTWEIGHT STEEL FRAMING SYSTEMS MANUAL. RESTORE DAMAGED COMPONENTS. PROTECT WORK FROM DAMAGE.

05500 PROVIDE MISCELLANEOUS METAL ITEMS INCLUCING MISCELLANEOUS FRAMING AND SUPPORTS FABRICATED FROM HEAVY GAGE FERROUS METALS AND NOT PROVIDED WITH STRUCTURAL STEEL SYSTEM. SUBMIT FOR APPROVAL SAMPLES FOR ITEMS EXPOSED TO VIEW, SHOP DRAWINGS, PRODUCT DATA, TEST REPORTS. STEEL PLATES, SHAPES, AND BARS SHALL COMPLY WITH ASTM A 36, STEEL PIPE WITH ASTM A 53, SCHEDULE 40, BOLTS WITH ASTM A 325, FASTENERS SHALL BE ZINC COATED DESIGNED FOR LOADING AND USE. PROVIDE NON-SHRINK NON-METALLIC GROUT, EUCO NS BY EUCLID CHEMICAL CO. OR APPROVED EQUAL. CONCRETE INSERTS SHALL BE GALVANIZED FERROUS CASTINGS. GALVANIZED FERROUS METAL ITEMS AT EXTERIOR WALL AND WHERE EXPOSED TO WEATHER SHALL RECEIVE GALVANIZING PER ASTM A 525, 1 COAT PRIMER (SHOP-APPLIED) ELSEWHERE, AND PRIMER SUCH AS TNEMEC 10-99, PPG INHIBITIVE METAL PRIMER, RUSTOLEUM RUSTY METAL PRIMER, OR APPROVED EQUAL. GALVANIZING REPAIR PAINT, ZINC RICH PRIMER SHALL BE TNEMEC, PPG, ZRC CHEMICAL PRODUCTS OR APPROVED EQUAL. TAKE FIELD MEASUREMENTS PRIOR TO PREPARATION OF SHOP DRAWINGS AND FABRICATION. DO NOT DELAY JOB; ALLOW FOR CUTTING AND FITTING IF FIELD MEASUREMENT NOT PRACTICAL. FORM WORK TRUE TO LINE WITH SHARP ANGLES AND EDGES. WELD CONTINUOUSLY, GRIND FLUSH AND MAKE SMOOTH ON EXPOSED SURFACES. INSTALL WORK PLUMB AND LEVEL WITH HAIRLINE JOINTS AND GROUND FLUSH WELDS. TOUCH-UP DAMAGED COATINGS WITH SHOP PRIMER AND GALVANIZE REPAIR PAINT.

05511 PROVIDE PREFABRICATED METAL STAIRS, PLATFORMS, AND RAILINGS AS INDICATED ON THE DRAWINGS CAPABLE OF WITHSTANDING THE FOLLOWING STRUCTURAL LOADS: TREADS AND PLATFORMS OF METAL STAIRS: UNIFORM LOAD OF 100 LBF/SQ. FT. OR A CONCENTRATED LOAD OF 300 LBF ON AN AREA OF 4 SQ. IN., WHICHEVER PRODUCES THE GREATER STRESS; STAIR FRAMING: STRESSES RESULTING FROM TREAD AND RAILING SYSTEM LOADS; TOP RAIL OF GUARDS: CONCENTRATED LOAD OF 200 LBF APPLIED AT ANY POINT AND IN ANY DIRECTION, AND A UNIFORM LOAD OF 50 LBF/FT. APPLIED HORIZONTALLY AND CONCURRENTLY WITH UNIFORM LOAD OF 100 LBF/FT. APPLIED VERTICALLY DOWNWARD; HANDRAILS NOT SERVING AS TOP RAILS: CONCENTRATED LOAD OF 200 LBF APPLIED AT ANY POINT AND IN ANY DIRECTION, AND A UNIFORM LOAD OF 50 LBF/FT. APPLIED IN ANY DIRECTION; INFILL AREA OF GUARDS: HORIZONTAL CONCENTRATED LOAD OF 200 LBF APPLIED TO 1 SQ. FT. AT ANY POINT IN SYSTEM, INCLUDING PANELS, INTERMEDIATE RAILS, BALUSTERS, OR OTHER ELEMENTS COMPOSING INFILL AREA. LIMIT DEFLECTION OF TREADS, PLATFORMS, AND FRAMING MEMBERS TO L/360 OR 1/4 INCH, WHICHEVER IS LESS. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. METAL STAIRS SHALL BE PRE-ENGINEERED STAIR SYSTEMS BY THE SHARON COMPANIES LTD., OR APPROVED EQUAL. TAKE FIELD MEASUREMENTS PRIOR TO FABRICATION, WHERE POSSIBLE. FORM TO REQUIRED SHAPES AND SIZED WITH TRUE, STRAIGHT EDGES, LINES AND ANGLES. PROVIDE LIGHT-TIGHT, HAIRLINE JOINTS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. COORDINATE WITH WORK OF OTHER SECTIONS; PROVIDE INSERTS AND TEMPLATES. INSTALL WORK PLUMB AND LEVEL WITH UNIFORM APPEARANCE. RESTORE DAMAGED FINISHES AND PROTECT WORK.

05521 PROVIDE ALUMINUM PIPE HANDRAILS AND RAILINGS AND PRE-ENGINEERED ORNAMENTAL ALUMINUM HANDRAILS AND RAILINGS AS INDICATED ON THE DRAWINGS. PROVIDE HANDRAILS AND RAILINGS AT STAIRS, PERIMETER OF OPEN AREAS, LEVEL CHANGES, AND AS REQUIRED FOR SAFETY. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA, TEST REPORTS. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ALUMINUM SHALL HAVE ALLOY, TEMPER, AND THICKNESS SUITABLE FOR SERVICE AND AESTHETIC REQUIREMENTS WITH CLEAR ANODIZED FINISH, CLASS 1. FASTENERS AND ANCHORS SHALL BE NON-CORROSIVE CONCEALED FASTENERS AND ANCHORS. TAKE FIELD MEASUREMENTS PRIOR TO FABRICATION, WHERE POSSIBLE. FORM TO REQUIRED SHAPES AND SIZED WITH TRUE, STRAIGHT EDGES, LINES AND ANGLES. PROVIDE LIGHT-TIGHT, HAIRLINE JOINTS, INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. COORDINATE WITH WORK OF OTHER SECTIONS. COORDINATE WITH WORK OF OTHER SECTIONS; PROVIDE INSERTS AND TEMPLATES AS NEEDED. INSTALL WORK PLUMB AND LEVEL WITH UNIFORM APPEARANCE. RESTORE DAMAGED FINISHED AND PROTECT WORK.

06105 PROVIDE MISCELLANEOUS CARPENTRY AS INDICATED ON THE DRAWINGS. SUBMIT WOOD TREATMENT DATA, INCLUDING CHEMICAL TREATMENT MANUFACTURER'S INSTRUCTIONS FOR HANDLING, STORING, INSTALLING, AND FINISHING TREATED MATERIALS. LUMBER SHALL COMPLY WITH DOC PS 20 AND WITH APPLICABLE GRADING RULES OF INSPECTION AGENCIES CERTIFIED BY THE AMERICAN LUMBER STANDARDS COMMITTEE'S (ALSC) BOARD OF REVIEW. PROVIDE DRESSED LUMBER, S4S, WITH EACH PIECE FACTORY MARKED WITH GRADE STAMP OF INSPECTION AGENCY. PROVIDE DRY LUMBER WITH 19 PERCENT MAXIMUM MOISTURE CONTENT AT TIME OF DRESSING FOR 2-INCH NOMINAL THICKNESS OR LESS, UNLESS OTHERWISE INDICATED. PRESSURE TREAT ABOVEGROUND ITEMS WITH WATERBORNE PRESERVATIVES TO A MINIMUM RETENTION OF 0.25 LB/CU. FT.. AFTER TREATMENT, KILN-DRY LUMBER AND PLYWOOD TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT. TREAT WOOD CANTS, NAILERS, CURBS, EQUIPMENT SUPPORT BASES, BLOCKING, STRIPPING, WOOD SILLS, SLEEPERS, FURRING, STRIPPING, AND ANY MEMBER IN CONTACT WITH MASONRY OR CONCRETE, WOOD FRAMING MEMBERS LESS THAN 18 INCHES ABOVE GRADE. FIRE-RETARDANT-TREATED MATERIALS SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF AWPA C20 (LUMBER) AND AWPA C27 (PLYWOOD). IDENTIFY FIRE-RETARDANT-TREATED WOOD WITH APPROPRIATE CLASSIFICATION MARKING OF UL; U.S. TESTING; TIMBER PRODUCTS INSPECTION, INC.; OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. PROVIDE DIMENSION LUMBER OF GRADES INDICATED ACCORDING TO THE ALSC NATIONAL GRADING RULE (NGR) PROVISIONS OF THE INSPECTION AGENCY INDICATED. USE FASTENERS OF SIZE AND TYPE INDICATED. WHERE MISCELLANEOUS CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH A HOT-DIP ZINC COATING PER ASTM A 153 OR OF TYPE 304 STAINLESS STEEL. POWER-DRIVEN FASTENERS: CABO NER-272 MAY BE USED. SET CARPENTRY TO REQUIRED LEVELS AND LINES, WITH MEMBERS PLUMB, TRUE TO LINE, CUT, AND FITTED. FIT CARPENTRY TO OTHER CONSTRUCTION; SCRIBE AND COPE AS REQUIRED FOR ACCURATE FIT. CORRELATE LOCATION OF FURRING, NAILERS, BLOCKING, GROUNDS, AND SIMILAR SUPPORTS TO ALLOW ATTACHMENT OF OTHER CONSTRUCTION. SECURELY ATTACH CARPENTRY WORK AS INDICATED AND ACCORDING TO APPLICABLE CODES AND RECOGNIZED STANDARDS. COUNTERSINK NAIL HEADS ON EXPOSED CARPENTRY WORK AND FILL HOLES WITH WOOD FILLER. INSTALL WOOD TRIM WITH MINIMUM NUMBER OF JOINTS PRACTICAL, USING FULL-LENGTH PIECES FROM MAXIMUM LENGTHS OF LUMBER AVAILABLE. COPE AT RETURNS AND MITER AT CORNERS TO PRODUCE TIGHT-FITTING JOINTS WITH FULL-SURFACE CONTACT THROUGHOUT LENGTH OF JOINT. USE SCARF JOINTS FOR END-TO-END JOINTS. MATCH COLOR AND GRAIN PATTERN ACROSS JOINTS. INSTALL TRIM AFTER GYPSUM BOARD JOINT FINISHING OPERATIONS ARE COMPLETED. INSTALL TO TOLERANCE OF 1/8 INCH IN 96 INCHES FOR PLUMB AND LEVEL. INSTALL ADJOINING TRIM WITH 1/32-INCH MAXIMUM OFFSET FOR FLUSH INSTALLATION AND 1/16-INCH MAXIMUM OFFSET FOR REVEAL INSTALLATION.

06192 PROVIDE PREFABRICATED AND PRE-ENGINEERED WOOD TRUSSES AS INDICATED ON THE DRAWINGS. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. TRUSSES SHALL BE STANDARD DIMENSIONAL LUMBER CONNECTED BY METAL PLATES. WOOD SHALL BE SOFTWOOD MEETING STRESS RATING AND DESIGN REQUIREMENTS. METAL PLATES SHALL BE GALVANIZED SHEET STEEL, ASTM A 446, GRADE A, COATING G60. PROVICE ADDITIONAL NECESSARY ACCESSORIES INCLUDING WIND ANCHORS AND BRACING. PRESSURE IMPREGNATE WITH FIRE-RETARDANT TREATMENT TO COMPLY WITH AWPA C20 FOR LUMBER AND AWPA C27 FOR PLYWOOD; PROVIDE WHERE INDICATED AND WHERE REQUIRED BY CODE. DO NOT USE FIRE-RETARDANT TREATMENT WHICH IS CORROSIVE TO CONNECTOR PLATES OR WHICH CONTAINS AMMONIUM PHOSPHATES. COMPLY WITH RECOMMENDATIONS OF TPI DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. COORDINATE WITH WORK OF OTHER SECTIONS. RESTORE DAMAGED COMPONENTS. CLEAN AND PROTECT WORK FROM DAMAGE.

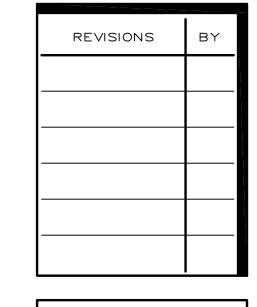
06200 PROVIDE FINISH CARPENTRY AS INDICATED ON THE DRAWINGS. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA, MOCK-UPS OF TYPICAL TRIM AND MOLDINGS. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR FIVE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. QUALITY STANDARD FOR FABRICATION AND PRODUCTS SHALL BE ARCHITECTURAL WOODWORK INSTITUTE QUALITY STANDARDS, PREMIUM GRADE UNLESS NOTED OTHERWISE. WHERE INDICATED ON THE DRAWINGS, EXTERIOR FINISH CARPENTRY PAINTED FINISH SHALL BE CLEAR PINE OR FIR, OR OTHER SOFTWOOD SUITABLE FOR EXPOSURE AND USE. INTERIOR FINISH CARPENTRY AND MILLWORK WITH TRANSPARENT FINISH SHALL BE PLAIN SAWN RED OAK, SEQUENCE MATCHED VENEERS FOR PLYWOOD, AND WITH OPAQUE FINISH SHALL BE SOFTWOOD SUITABLE FOR EXPOSURE AND USE. MILLWORK FOR TRANSPARENT FINISH SHALL BE PLAIN-SAWN RED OAK FOR SOLID WOOD; RIFT CUT RED OAK FOR PLYWOOD. MILLWORK FOR OPAQUE FINISH SHALL BE CLOSED-GRAIN HARDWOOD SUITABLE FOR EXPOSURE AND USE. PREFINISHED HARDWOOD PANELING, BOARD TYPES SHALL BE 1/2" THICK RED OAK. SOFTWOOD PANELING, BOARD TYPE WITH CLIP MOUNTING SHALL BE 1/2" THICK REDWOOD. PLASTIC LAMINATE SHALL BE NEMA LD-3, 0.050" THICK HORIZONTAL GRADE. AT COUNTERS, ADHERE TO 3/4" PLYWOOD SUBSTRATE. SYNTHETIC COUNTERTOPS SHALL BE DUPONT CORIAN OR APPROVED EQUAL. FOR SHELVING AND CLOSETS, SERVICE AND CLOSET SHELVING SHALL BE MEDIUM DENSITY PARTICLEBOARD WITH HARDWOOD EDGE BANDS. WALL BRACKETS SHALL BE KNAPE AND BOGT OR APPROVED EQUAL. CLOSET BARS SHALL BE TELESCOPING STEEL WITH CHROME FINISH. MILLWORK FINISHES SHALL BE AS FOLLOWS: WOOD FOR TRANSPARENT FINISH SHALL BE AWI PREMIUM GRADE, AWI FINISH SYSTEM NO.5, PREMIUM GRADE CATALYZED POLYURETHANE. WOOD FOR OPAQUE FINISH SHALL BE AWI CUSTOM GRADE, AWI FINISH SYSTEM NO. 11, PREMIUM GRADE OPAQUE CATALYZED POLYURETHANE. PLASTIC LAMINATE FINISH SHALL BE AWI PREMIUM GRADE. MILLWORK ON ALL

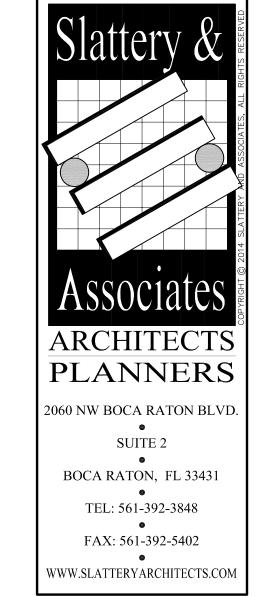
HARDWARE SHALL BE STEEL OR BRASS WITH CHROMIUM PLATE FINISH; BALL-BEARING SIDE-MOUNT DRAWER SLIDES; SELF-CLOSING INSIDE-MOUNTED HINGES. WOOD TREATMENT SHALL BE AS FOLLOWS: PRESERVATIVE TREATMENT SHALL BE PRESSURE-TREATED WITH WATERBORNE PRESERVATIVES TO COMPLY WITH AWPB LP-2 FOR ABOVE-GROUND ITEMS; LP-22 FOR GROUND CONTACT ITEMS. KILN DRY AFTER TREATMENT TO 19% MAXIMUM MOISTURE CONTENT FOR LUMBER AND 15% FOR PLYWOOD. TREAT ABOVE-GROUND WOOD EXPOSED TO DETERIORATION BY MOISTURE AND ALL WOOD IN CONTACT WITH THE GROUND OR FRESH WATER. FIRE-RETARDANT TREATMENT SHALL BE PRESSURE IMPREGNATED TO COMPLY WITH AWPA C20 FOR LUMBER AND AWPA C27 FOR PLYWOOD; PROVIDE WHERE INDICATED AND WHERE REQUIRED BY CODE. DO NOT USE FIRE-RETARDANT TREATMENT CONTAINING AMMONIUM PHOSPHATES. VEHICLE FOR PRESERVATIVE COMPATIBLE WITH FINISH. PROVIDE WORK TO SIZES, SHAPES, AND PROFILES INDICATED. INSTALL WORK TO COMPLY WITH QUALITY STANDARD REFERENCED. BACK PRIME WORK AND INSTALL PLUMB, LEVEL AND STRAIGHT WITH TIGHT JOINTS; SCRIBE WORK TO FIT. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. USE NON-CORROSIVE FASTENERS FOR EXTERIOR WORK. COORDINATE WITH WORK OF OTHER SECTIONS. COMPLY WITH MANUFACTURER'S REQUIREMENTS FOR CUTTING, HANDLING, FASTENING AND WORKING TREATED MATERIALS. REPAIR MINOR DAMAGE, CLEAN AND PROTECT.

06402 CABINETWORK SHALL BE CONSTRUCTED TO THE PROFILE INDICATED ON THE DRAWINGS IN COMPLIANCE WITH THE ARCHITECTURAL WOODWORK INSTITUTE (AWI) QUALITY STANDARDS, 4TH EDITION 1985. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. ALL CABINET CORE BODY MEMBERS EXCEPT BACKS, DRAWER BOTTOMS, SHELVING AND TOPS IN WHICH SINKS OCCUR SHALL BE 3/4" THICK PARTICLEBOARD. ALL TOPS WITH SINK SHALL BE EXTERIOR GRADE PLYWOOD. BACKS AND DRAWER BOTTOMS SHALL BE MINIMUM 1/4" THICKNESS. SHELVES SHALL BE 3/4" THICK PLYWOOD WITH EDGE BANDING. PLASTIC LAMINATE SHALL BE NEMA LD 3, GP -50 GENERAL PURPOSE TYPE, 0.050 INCHES THICK FOR HORIZONTAL AND VERTICAL APPLICATIONS OF COLOR AS SELECTED BY ARCHITECT. CABINET LINER SHALL BE NEMA LD 3 BK20 BACKING GRADE UNDECORATED PLASTIC LAMINATE -0.020 THICKNESS OF COLOR AS SELECTED BY ARCHITECT. ADHESIVE SHALL BE TYPE RECOMMENDED BY LAMINATE MANUFACTURER. DRAWER SLIDES SHALL BE GRANT MODEL NO. 329 CLEAR CHROMATE FINISH OR APPROVED EQUAL ADJUSTABLE SHELF SUPPORTS SHALL BE KNAPE & VOGT NO. 80A FOR SHELVING 10" WIDE AND LESS AND NO. 87 FOR SHELVING GREATER THAN 10" WIDE. HINGES SHALL BE STANLEY MODEL NO. 332 OR APPROVED EQUAL. DRAWER PULLS SHALL BE STANLEY MODEL NO. 4483 OR APPROVED EQUAL. VERIFY ALL CRITICAL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION. SET AND SECURE CABINETWORK IN PLACE PLUMB AND LEVEL, AND ANCHOR TO MAKE RIGID. CAREFULLY SCRIBE CASEWORK WHICH IS AGAINST OTHER MATERIALS LEAVING GAPS OF MAX 1/32". CAULK JOINT BETWEEN CABINET AND WALL. ADJUST DOORS DRAWERS AND HARDWARE TO FUNCTION SMOOTHLY.

07210 PROVIDE BUILDING INSULATION OF BOARD, AND BATT AS FOLLOWS: FLAT ROOFS SHALL HAVE POLY ISOCYANURATE BOARD, SOFFITS AND ATTICS SHALL HAVE FIBERGLASS THERMAL BATT, AND EXTERIOR MASONRY WALLS SHALL HAVE RIGID POLYSTYRENE BOARD. PROVIDE VAPOR BARRIER AT BUILDING PERIMETER. SUBMIT FOR APPROVAL PRODUCT DATA, TEST REPORTS. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. BLANKET/BATT TYPE INSULATION SHALL BE FOIL-FACED (VAPOR BARRIER) GLASS FIBER BLANKET INSULATION TYPES; OWENS CORNING FIBERGLASS CORPORATION OR APPROVED EQUAL. WALL BOARD TYPE INSULATION SHALL BE EXTRUDED POLYSTYRENE BOARD; COMPRESSIVE STRENGTH 60 PSI AT DECKS, 100 PSI UNDER HEAVY VEHICULAR TRAFFIC; STYROFOAM BY DOW CHEMICAL OR FOAMULAR BY UC INDUSTRIES OR APPROVED EQUAL. ROOF BOARD TYPE INSULATION SHALL BE POLYISOCYANURATE FOAM CORE RIGID BOARD; CELO-THERM ROOF INSULATION BY CELOTEX OR APPROVED EOUAL. VAPOR BARRIER: 6 MIL CLEAR POLYETHYLENE SHEET. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. COORDINATE WITH WORK OF OTHER SECTIONS. PROVIDE FULL THICKNESS IN ONE LAYER OVER ENTIRE AREA, TIGHTLY FITTING AROUND PENETRATIONS. SEAL ALL SEAMS AND AROUND PERIMETER AND PENETRATIONS WITH DUCT TAPE TO FORM A CONTINUOUS VAPOR BARRIER FREE OF HOLES. PROTECT INSTALLED INSULATION AND VAPOR BARRIER.

07211 SOUND INSULATION SHALL BE 3" THICK UNFACED SEMI-RIGID SPUN MINERAL FIBER USG THERMAFIBER SOUND ATTENUATION BLANKET BEARING FLAME SPREAD - 15, SMOKE DEVELOPED - 0 SURFACE BURNING CHARACTERISTICS IN ACCORD WITH ASTM E84. INCOMBUSTIBLE IN ACCORD WITH ASTM E136 AND NFPA 220. AT SOUND RATED PARTITIONS, SET FLOOR TRACK IN A BED OF CAULKING. AFTER MECHANICAL AND ELECTRICAL SERVICES ARE WITHIN WALLS, INSTALL BLANKET INSULATION BETWEEN STUDS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. TRIM BLANKETS NEATLY TO FIT SPACES WITHOUT GAPS OR VOIDS. AFTER GYPSUM BOARD IS APPLIED, CAULK FINISHED PARTITION AIR TIGHT TO THE FLOOR. IF PARTITION RUNS UP TO ROOF DECK, FILL ALL GAPS AND PENETRATIONS TIGHT WITH THERMAFIBER INSULATION. IF PARTITION TERMINATES AT THE CEILING, LAY 3" THERMAFIBER INSULATION FOR A DISTANCE OF SIX FEET ON THE TOP OF THE CEILING TILES ON EITHER SIDE ON SOUND RATED PARTITIONS. SOUND RATED PARTITIONS WHICH ARE ALSO FIRE RATED MUST RUN CONTINUOUS TO THE ROOF DECK AND ALL GAPS SHALL BE SEALED WITH 3M BRAND CAULK CP-25 SINGLE COMPONENT SYNTHETIC ELASTOMERIC INTUMESCENT CAULK OR APPROVED EQUAL HAVING A DENSITY OF 12.5 LB. / CU. FT. DUROMETER OF SHORE A: 35-45. APPLY PRIMER AS RECOMMENDED BY FIRESTOP CAULKING MANUFACTURER. INSTALL FIRESTOP CAULKING IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.





### HUN RENOV ANSIC REN(PANS) BHOU AND 4420 W BOCA F OODFIE

**SLATTERY & ASSOCIATES** FLORIDA REGISTRATION # AA00033

DRAWN CR, DR CHECKED CR ON 7-21-16 AS NOTED 2014-33

07241 PROVIDE CLASS PB EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) AS INDICATED. EIFS SHALL COMPLY WITH PERFORMANCE CHARACTERISTICS IN "EIMA GUIDELINE SPECIFICATION FOR EXTERIOR INSULATION AND FINISH SYSTEMS, CLASS PB," INCLUDING WIND LOAD PER ASTM E 330 AS INDICATED AND IMPACT CLASSIFICATION AND RANGE PER EIMA 101.86, STANDARD IMPACT RESISTANCE: 25-49 INCH-LB. AND MEDIUM IMPACT RESISTANCE: 50-89 INCH-LB., HIGH IMPACT RESISTANCE: 90-150 INCH-LB. SUBMIT PRODUCT DATA, SHOP DRAWINGS, SAMPLES FOR EACH FINISH, COLOR, TEXTURE, AND PATTERN SPECIFIED, INSTALLER CERTIFICATES, MATERIAL CERTIFICATES, COMPATIBILITY AND ADHESION TEST REPORTS FROM SEALANT MANUFACTURER, AND PRODUCT TEST REPORTS. MANUFACTURER SHALL BE SYSTEM MANUFACTURER FOR A MINIMUM OF FIFTEEN YEARS. ENGAGE AN EXPERIENCED INSTALLER WHO IS CERTIFIED IN WRITING BY SYSTEM MANUFACTURER AND HAS INSTALLED CLASS PB EIFS FOR A MINIMUM OF FIVE YEARS AND HAS SUCCESSFUL COMPLETION OF MINIMUM OF THREE PROJECTS OF SIMILAR SIZE AND COMPLEXITY TO THE SPECIFIED PROJECT. PROVIDE A SEVEN YEAR LIMITED LABOR AND MATERIALS WARRANTY. PROVIDE PRODUCTS BY STO CORP. OR OTHER APPROVED SYSTEM MANUFACTURER. COLORS, TEXTURES, AND PATTERNS OF FINISH COAT SHALL BE ARCHITECT'S SELECTIONS FROM SYSTEM MANUFACTURER'S FULL RANGE OF COLORS, TEXTURES, AND PATTERNS FOR TYPE OF FINISH COAT INDICATED. EXTERIOR GYPSUM SHEATHING SHALL BE MECHANICALLY FASTENED 5/8-INCH-THICK, WATER RESISTANT CORE ENCASED IN WATER REPELLENT PAPER ON BOTH SIDES COMPLYING WITH ASTM C 79 AS RECOMMENDED BY BOARD MANUFACTURER FOR EXTERIOR APPLICATIONS. EXTERIOR FINISH SYSTEMS SHALL BE MECHANICALLY FASTENED THROUGH THE SHEATHING INTO THE WALL FRAMING. PROVIDE PROPRIMER-SEALER DESIGNED TO SEAL SUBSTRATES FROM MOISTURE PENETRATION AND TO IMPROVE THE BOND BETWEEN SUBSTRATE OF TYPE INDICATED AND ADHESIVE USED FOR APPLICATION OF INSULATION. ADHESIVE FOR APPLICATION OF INSULATION SHALL BE STO FLEXYL OR EQUAL ACRYLIC BASED FIBER REINFORCED, FLEXIBLE WATERPROOF FORMULATION DESIGNED FOR ADHESIVE ATTACHMENT OF INSULATION TO SUBSTRATES OF TYPE INDICATED, AS RECOMMENDED BY SYSTEM MANUFACTURER. MOLDED-POLYSTYRENE BOARD INSULATION SHALL COMPLY WITH SYSTEM MANUFACTURER'S REQUIREMENTS. CUSTOM SHAPES SHALL BE MOLDED OR MAY BE FABRICATED OF BUILT-UP LAYERS OF POLYSTYRENE INSULATION REINFORCING MESH SHALL BE BALANCED, ALKALI-RESISTANT, OPEN-WEAVE GLASS-FIBER MESH WITH RETAINED MESH TENSILE STRENGTH OF NOT LESS THAN 120 LBF/IN. AND THE FOLLOWING MINIMUM WEIGHT: STANDARD REINFORCING MESH NOT LESS THAN 4.0 OZ./SQ. YD., STRIP REINFORCING MESH NOT LESS THAN 3.75 OZ./SQ. YD., DETAIL REINFORCING MESH NOT LESS THAN 4 OZ./SQ. YD., AND CORNER REINFORCING MESH NOT LESS THAN 7.2 OZ./SQ. YD. BASE-COAT MATERIALS SHALL BE STO BTS PLUS OR EQUAL. PRIMER SHALL BE STO SILCO PRIMEROR EQUAL SILICONE ENHANCED-POLYMER PRIMER FOR PREPARING BASE-COAT SURFACE FOR APPLICATION OF FINISH COAT. FINISH-COAT MATERIALS SHALL BE STO SILCOLIT OR EQUAL SILICONE ENHANCED POLYMER-EMULSION BINDER, COLORFAST MINERAL PIGMENTS, WITH GRADED MARBLE AGGREGATE AND FILLERS. WATERPROOFER SHALL BE STO FLEXYL OR EQUAL ACRYLIC-BASED FIBER REINFORCED, FLEXIBLE WATERPROOFER AND SHALL BE APPLIED AT ALL SURFACES THAT ARE NOT VERTICAL. TRIM ACCESSORIES SHALL BE ASTM C 1063; VINYL PLASTIC. ELASTOMERIC SEALANTS SHALL BE AS RECOMMENDED BY SYSTEM MANUFACTURER; COMPATIBLE WITH RELATED MATERIALS OF COLOR PER ARCHITECT'S SELECTIONS FROM MANUFACTURER'S FULL RANGE OF COLORS. COMPLY WITH ASTM PS 49 AND SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLATION OF SYSTEM. USE DRIP SCREED AT BOTTOM EDGE OF SYSTEM AND CASING BEADS AT OTHER LOCATIONS. ADHESIVELY ATTACH INSULATION BY TROWEL AND STIPPLE METHOD TO COMPLY WITH SYSTEM MANUFACTURER'S WRITTEN REQUIREMENTS. LOCATE JOINTS SO NO PIECE OF INSULATION IS LESS THAN 12 INCHES WIDE OR 6 INCHES HIGH. OFFSET JOINTS NOT LESS THAN 6 INCHES FROM CORNERS OF WINDOW AND DOOR OPENINGS. OFFSET JOINTS OF INSULATION NOT LESS THAN 6 INCHES FROM HORIZONTAL AND 4 INCHES FROM VERTICAL JOINTS IN SHEATHING. WRAP EXPOSED EDGES OF INSULATION BOARD WITH REINFORCING MESH FULLY ENCAPSULATED IN BASE COAT AND, EXCEPT WHERE EDGE IS SUBSTRATE FOR JOINT SEALANT, FINISH COAT. APPLY STRIP REINFORCING MESH AROUND OPENINGS EXTENDING 4 INCHES BEYOND PERIMETER. APPLY ADDITIONAL 9-BY-12-INCH STRIP REINFORCING MESH DIAGONALLY AT CORNERS OF OPENINGS (RE-ENTRANT CORNERS). APPLY 8-INCH-WIDE STRIP REINFORCING MESH AT BOTH INSIDE AND OUTSIDE CORNERS, UNLESS BASE LAYER OF MESH IS LAPPED NOT LESS THAN 4 INCHES ON EACH SIDE OF CORNERS. AT AESTHETIC REVEALS, APPLY STRIP REINFORCING MESH NOT LESS THAN 8 INCHES WIDE. EMBED STRIP REINFORCING MESH IN BASE COAT BEFORE APPLYING FIRST LAYER OF REINFORCING MESH. APPLY WATERPROOFER WHERE RECOMMENDED BY THE MANUFACTURER. APPLY PRIMER UNIFORMLY OVER BASE COAT AS PER MANUFACTURER'S DIRECTIONS. APPLY FINISH COAT OVER DRY PRIMER AND BASE COAT, MAINTAINING A WET EDGE AT ALL TIMES FOR UNIFORM APPEARANCE, IN THICKNESS REQUIRED BY SYSTEM MANUFACTURER TO PRODUCE A UNIFORM FINISH OF COLOR AND TEXTURE MATCHING APPROVED SAMPLE PREPARE JOINTS AND APPLY SEALANTS TO COMPLY WITH "EIMA GUIDE FOR USE OF SEALANTS WITH EXTERIOR INSULATION AND FINISH SYSTEMS, CLASS PB." APPLY JOINT SEALANTS AFTER BASE COAT HAS CURED BUT BEFORE APPLYING FINISH COAT.

07552 INSTALL A WATERTIGHT, MODIFIED BITUMINOUS MEMBRANE ROOFING AND BASE FLASHING SYSTEM WITH COMPATIBLE COMPONENTS THAT WILL NOT PERMIT THE PASSAGE OF WATER AND WILL WITHSTAND WIND LOADS INDICATED ON THE PLANS, THERMALLY INDUCED MOVEMENT, AND EXPOSURE TO WEATHER WITHOUT FAILURE. SUBMIT PRODUCT DATA WARRANTY INFORMATION AND SHOP DRAWINGS DETAILING BASE FLASHINGS, MEMBRANE TERMINATIONS, AND TAPERED INSULATION WITH SLOPES. ONLY ENGAGE AN EXPERIENCED INSTALLER WHO IS APPROVED, AUTHORIZED, OR LICENSED BY THE ROOFING SYSTEM MANUFACTURER. PROVIDE ROOFING MATERIALS WITH EXTERIOR FIRE-TEST EXPOSURE THAT IS CLASS A; COMPLYING WITH ASTM E 108, FOR APPLICATION AND SLOPES INDICATED AND HAS A FIRE-RESISTANCE RATINGS PER ASTM E 119. BEFORE INSTALLING ROOFING SYSTEM, MEET WITH OWNER; ARCHITECT; OWNER'S INSURER, IF APPLICABLE; TESTING AND INSPECTING AGENCY REPRESENTATIVE; ROOFING INSTALLER; ROOFING SYSTEM MANUFACTURER'S REPRESENTATIVE; DECK INSTALLER; AND INSTALLERS WHOSE WORK INTERFACES WITH OR AFFECTS ROOFING, INCLUDING INSTALLERS OF ROOF ACCESSORIES AND ROOF-MOUNTED EQUIPMENT. SUBMIT A WRITTEN

WARRANTY, WITHOUT MONETARY LIMITATION, SIGNED BY ROOFING SYSTEM MANUFACTURER AGREEING TO PROMPTLY REPAIR LEAKS IN THE ROOF MEMBRANE AND BASE FLASHINGS RESULTING FROM DEFECTS IN MATERIALS OR WORKMANSHIP FOR THE PERIOD OF 20 YEARS. PROVIDE SBS-MODIFIED UNPERFORATED ASPHALT SHEET, SMOOTH SURFACED, DUSTED WITH FINE PARTING AGENT ON BOTH SIDES BY SIPLAST, INC. OR APPROVED EQUAL SUITABLE FOR APPLICATION METHOD SPECIFIED; MANUFACTURER'S STANDARD THICKNESS AND WEIGHT. PROVIDE BASE PLY OF 2-PLY, MODIFIED BITUMINOUS MEMBRANE ROOFING WITH GLASS-FIBER MESH OR NON-WOVEN GLASS-FIBER MAT. MINERAL-GRANULE SURFACE SHEET SHALL BE SBS-MODIFIED BITUMINOUS SHEET, WITH CONTINUOUS LAYER OF MINERAL GRANULES FACTORY APPLIED TO TOP EXPOSED SURFACE; SUITABLE FOR APPLICATION METHOD SPECIFIED; MANUFACTURER'S STANDARD THICKNESS, COLOR, AND WEIGHT WITH WHITE GRANULE COLOR. PROVIDE PREFORMED UNIFORMLY TAPERED ROOFING INSULATION BOARDS, MINIMUM 2 INCH THICK. INSULATION BOARD SHALL BE RIGID, CELLULAR POLYISOCYANURATE THERMAL INSULATION WITH CORE FORMED BY USING HCFCS AS BLOWING AGENTS, COMPLYING WITH ASTM C 1289, TYPE II, FELT OR GLASS-FIBER MAT ON BOTH MAJOR SURFACES. TAPERED INSULATION BOARDS SHALL HAVE 1/4-INCH PER FOOT TAPER WHERE NECESSARY FOR SLOPING TO THE DRAINS. PROVIDE PREFORMED SADDLES, CRICKETS, TAPERED EDGE STRIPS AND OTHER INSULATION SHAPES WHERE REQUIRED. PROVIDE 1/2-INCH THICK RIGID CELLULOSIC-FIBER COVER BOARD COMPLYING WITH ASTM C 208, TYPE II, GRADE 2. PROVIDE ROOF WALKWAYS OF 5/16-INCH CHOPPED RUBBER COMPOSITION PANES, NONPOROUS, WITH A SLIP RESISTANT SURFACE TEXTURE MANUFACTURED SPECIFICALLY FOR ADHERING TO MODIFIED BITUMINOUS MEMBRANE ROOFING. WALKWAY SHALL EXTEND FROM ROOF ACCESS HATCH TO AND AROUND ROOFTOP EQUIPMENT. ASPHALT PRIMER SHALL BE ASTM D 41. ROOFING ASPHALT SHALL BE ASTM D 312, TYPE III OR TYPE IV, AS RECOMMENDED BY MODIFIED BITUMINOUS MEMBRANE MANUFACTURER. ASPHALT ROOFING CEMENT SHALL BE ASTM D 4586, ASBESTOS FREE, OF CONSISTENCY REQUIRED BY ROOFING SYSTEM MANUFACTURER FOR APPLICATION. FASTENERS SHALL BE FACTORY-COATED STEEL FASTENERS AND METAL OR PLASTIC PLATES COMPLYING WITH CORROSION-RESISTANCE PROVISIONS OF FM 4470 AND ACCEPTABLE TO ROOFING SYSTEM MANUFACTURER. INSTALL MODIFIED BITUMINOUS MEMBRANE ROOFING SYSTEM ACCORDING TO ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS AND APPLICABLE RECOMMENDATIONS OF NRCA/ARMA'S "QUALITY CONTROL RECOMMENDATIONS FOR POLYMER MODIFIED BITUMEN ROOFING." INSTALL ROOFING SYSTEM ACCORDING TO APPLICABLE SPECIFICATION PLATES OF NRCA'S "THE NRCA ROOFING AND WATERPROOFING MANUAL." INSTALL AND SECURE PREFORMED 45-DEGREE CANT STRIPS AT JUNCTURES OF MODIFIED BITUMINOUS MEMBRANE ROOFING SYSTEM WITH VERTICAL SURFACES OR ANGLE CHANGES GREATER THAN 45 DEGREES. HEAT ROOFING ASPHALT AND APPLY WITHIN PLUS OR MINUS 25 DEG F OF EQUIVISCOUS TEMPERATURE, UNLESS OTHERWISE REQUIRED BY ROOFING SYSTEM MANUFACTURER. DO NOT RAISE ROOFING ASPHALT TEMPERATURE ABOVE THE EQUIVISCOUS TEMPERATURE RANGE MORE THAN ONE HOUR BEFORE TIME OF APPLICATION. DO NOT EXCEED ROOFING ASPHALT MANUFACTURER'S RECOMMENDED TEMPERATURE LIMITS DURING ROOFING ASPHALT HEATING. DO NOT HEAT ROOFING ASPHALT WITHIN 25 DEG F OF FLASH POINT. DISCARD ROOFING ASPHALT MAINTAINED AT A TEMPERATURE EXCEEDING 500 DEG F FOR MORE THAN 4 HOURS. KEEP KETTLE LID CLOSED, UNLESS ADDING ROOFING ASPHALT. BASE SHEET: INSTALL ONE LAPPED COURSE OF BASE SHEET ACCORDING TO ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS, EXTENDING SHEET OVER AND TERMINATING BEYOND CANTS. INSTALL MODIFIED BITUMINOUS MEMBRANE OVER AREA TO RECEIVE ROOFING, ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. EXTEND MODIFIED BITUMINOUS MEMBRANE OVER AND TERMINATE BEYOND CANTS. ADHERE EACH PLY TO SUBSTRATE IN A SOLID MOPPING OF HOT ROOFING ASPHALT, APPLIED AT RATE REQUIRED BY ROOFING SYSTEM MANUFACTURER. ACCURATELY ALIGN SHEETS, WITHOUT STRETCHING, AND MAINTAIN UNIFORM SIDE AND END LAPS. STAGGER END LAPS. COMPLETELY BOND AND SEAL LAPS, LEAVING NO VOIDS. REPAIR TEARS AND VOIDS IN LAPS AND LAPPED SEAMS NOT COMPLETELY SEALED. INSTALL ANOTHER PLY OF MODIFIED BITUMINOUS MEMBRANE, APPROXIMATELY 36 INCHES WIDE AND IN LENGTHS NOT EXCEEDING 10 FEET, LEAVING A SPACE OF 6 INCHES BETWEEN STRIPS. ADHERE WALKWAYS IN SAME TYPE OF HOT ROOFING ASPHALT. SET 30-BY-30-INCH METAL FLASHING IN BED OF ASPHALT ROOFING CEMENT ON COMPLETED MODIFIED BITUMINOUS MEMBRANE ROOFING. COVER METAL FLASHING WITH MODIFIED BITUMINOUS STRIPPING EXTENDING A MINIMUM OF 4 INCHES BEYOND EDGE OF METAL FLASHING ONTO FIELD OF ROOF MEMBRANE. CLAMP ROOF MEMBRANE, METAL FLASHING, AND STRIPPING INTO ROOF-DRAIN CLAMPING RING. ARRANGE FOR ROOFING SYSTEM MANUFACTURER'S TECHNICAL PERSONNEL TO INSPECT ROOFING INSTALLATION ON COMPLETION AND SUBMIT REPORT TO ARCHITECT. PROTECT MODIFIED BITUMINOUS MEMBRANE ROOFING FROM DAMAGE AND WEAR DURING REMAINDER OF CONSTRUCTION PERIOD. WHEN REMAINING CONSTRUCTION WILL NOT AFFECT OR ENDANGER ROOFING, INSPECT ROOFING FOR DETERIORATION AND DAMAGE, DESCRIBING ITS NATURE AND EXTENT IN A WRITTEN REPORT, WITH COPIES TO ARCHITECT AND OWNER. CORRECT DEFICIENCIES IN OR REMOVE MODIFIED BITUMINOUS ROOFING THAT DOES NOT COMPLY WITH REQUIREMENTS, REPAIR SUBSTRATES, REINSTALL ROOFING, AND REPAIR BASE FLASHINGS TO A CONDITION FREE OF DAMAGE AND DETERIORATION AT THE TIME OF SUBSTANTIAL COMPLETION AND ACCORDING TO WARRANTY REQUIREMENTS.

07620 PROVIDE FLASHING AND SHEET METAL COMPONENTS FOR BUILDING CONSTRUCTION INCLUDING METAL COUNTER-FLASHING, BUILT-IN METAL VALLEYS, GUTTERS, AND SCUPPERS, EXPOSED METAL TRIM, AND MISCELLANEOUS SHEET METAL ACCESSORIES. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FLASHING SHALL BE 20 GAGE GALVANIZED STEEL, G90 GALVANIZING, ASTM A 525 AND/OR 20 GAGE ALLOY 3003 CLEAR ANODIZED ALUMINUM, ASTM B 209. FOLLOW RECOMMENDATIONS OF SMACNA "SHEET METAL MANUAL". ALLOW FOR EXPANSION. ISOLATE DISSIMILAR MATERIALS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. RESTORE DAMAGED COMPONENTS AND FINISHES. CLEAN AND PROTECT WORK FROM DAMAGE.

07650 PROVIDE CONCRETE TILE ROOFING AS INDICATED. SUBMIT PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES FOR EACH ITEM SPECIFIED. PROVIDE TILE MANUFACTURED BY PIONEER CONCRETE TILE IN COLOR CODE AND STYLE AS SELECTED BY ARCHITECT. AT ALL AREAS WHERE ROOF TILES WILL BE INSTALLED, PROVIDE A MEMBRANE CONSISTING OF NOT LESS THAN ONE LAYER OF TIN TAGGED ASTM D-226 30# FELT AND ONE LAYER OF HOT MOPPED 55# CAP SHEET. DOUBLE THE MEMBRANE AT HIPS, VALLEYS AND RIDGES. PLACE PARALLEL TO GROUND LEVEL, MINIMUM LAPPING 3" HORIZONTALLY AND 6" VERTICALLY. CARRY THE FELT 9" UP ALL VERTICAL SURFACES AND 4" OVER GUTTER AND VALLEY METAL. FASTEN ALL EDGES WITH LARGE HEADED GALVANIZED NAILS ON 6" CENTERS. USE 2 1/2" STAINLESS STEEL HURRICANE CLIPS AT ALL EAVE COURSES. FOR FIELD TILE, USE A MINIMUM 1 1/2" DIAMETER STAINLESS STEEL NAIL AT THE PAN NAIL HOLE AND AT THE CROWN NAIL HOLE USE A WINDLOCK WITH 5" X 0.148" LONG STRAW NAIL. PROVIDE 2 X 2 FOUNDATION GRADE WOOD STRIP FULL LENGTH AT ALL EAVES TO RAISE THE FIRST COURSE OF ROOF TILES. FLASH AT ROOF VALLEYS IN STRICT ACCORDANCE WITH SFBC OR PERTINENT REQUIREMENTS OF THE GOVERNMENT AGENCIES HAVING JURISDICTION. PROVIDE MINUMUM 28 GAUGE CORROSION-RESISTANT METAL EXTENDING AT LEAST 11" FROM THE CENTERLINE OF THE VALLEY EACH WAY WITH SPLASH DIVERTER RIB NOT LESS THAN 1" HIGH AT THE FLOW LINE FORMED AS PART OF THE FLASHING. AT SIDES OF WALLS, EXTEND FLASHING AT LEAST 9" UP THE VERTICAL SURFACE. EXTEND FLASHING UNDER TILE AT LEAST 4" AND TURN THE EDGE UP 1". AT LOWER SIDE OF WALLS EXTEND FLASHING AT LEAST 4 1/2" UP THE WALL, 4" OVER THE TILE AND THOROUGHLY COUNTERFLASH. MAKE ALL COUNTERFLASHING PLUGGED, POINTED AND SECURE. PROVIDE TYPE M CEMENT MORTAR COMPLYING WITH ASTM C-270 AT ALL RIDGES AND HIPS TO COMPLETELY SEAL THE AREA UNDER THE RIDGE AND HIP TILES. FOR TILES AND WOOD STRIPS, USE APPROVED NON-CORROSIVE NAILS, 11 GAUGE, LARGE HEADED, IN LENGTH SUFFICIENT TO GIVE PROPER PENETRATION. USE RING SHANK NAILS IN LENGTH SUFFICIENT FOR SLIGHT PENETRATION THROUGH UNDER SIDE OF DECK.

07900 PROVIDE SEALANTS AT INTERSECTION OF BUILDING COMPONENTS AND AT CONTROL AND EXPANSION JOINTS. SUBMIT FOR APPROVAL SAMPLES, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE SEALANTS FOR JOINTS DESIGNED FOR EXPANSION AND MOVEMENT CONDITIONS AT SITE AS FOLLOWS: EXTERIOR JOINTS ON VERTICAL SURFACES: NON-SAG POLYURETHANE; PECORA DYNATROL II OR TREMCO DYMERIC OR APPROVED EQUAL. HORIZONTAL PAVING JOINTS, INTERIOR AND EXTERIOR: SELF-LEVELLING POLYURETHANE; TREMCO THC 900 OR APPROVED EQUAL. CERAMIC TILE, TOILET FIXTURE JOINTS: SILICONE RUBBER; TREMCO PROGLAZE OR DOW 786 OR APPROVED EQUAL. INTERIOR JOINTS, JOINTS AT MIRRORS: ACRYLIC LATEX; TREMCO ACRYLIC LATEX OR APPROVED EQUAL. PRECOMPRESSED EXPANDING SEALANT TAPE; EMSEAL PC-SA OR APPROVED EQUAL. PAVEMENT JOINT FILLER: RESILIENT, PREMOLDED ASPHALT IMPREGNATED FIBERBOARD. PROVIDE PRIMERS, BOND BREAKERS, AND BACKER RODS COMPATIBLE WITH SEALANT AND ADJACENT SURFACES. EXAMINE SUBSTRATE; REPORT UNSATISFACTORY CONDITIONS IN WRITING. BEGINNING WORK MEANS ACCEPTANCE OF SUBSTRATES. PROVIDE SEALANTS IN COLORS AS SELECTED FROM MANUFACTURER'S STANDARDS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. CLEAN AND PRIME JOINTS, AND INSTALL BOND BREAKERS, BACKER RODS AND SEALANT AS RECOMMENDED BY MANUFACTURERS. DEPTH SHALL EQUAL WIDTH UP TO 1/2" WIDE; DEPTH SHALL EQUAL 1/2 WIDTH FOR JOINTS OVER 1/2" WIDE. CURE AND PROTECT SEALANTS AS DIRECTED BY MANUFACTURERS. REPLACE OR RESTORE DAMAGED SEALANTS. CLEAN ADJACENT SURFACES TO REMOVE SPILLAGE.

07920 SEALANTS USED SHALL BE POLYSULFIDE BASE, CHEMICAL CURING, NON-SAGGING TYPE FOR APPLICATION IN VERTICAL JOINTS, UNIFORM, HOMOGENEOUS AND FREE FROM LUMPS, SKINS, AND COARSE PARTICLES WHEN MIXED, CAPABLE OF BEING CONTINUOUSLY IMMERSED IN WATER, WITHSTAND MOVEMENT UP TO 16 PERCENT OF JOINT WIDTH AND SATISFACTORILY APPLIED THROUGHOUT A TEMPERATURE RANGE OF 40 TO 90 DEGREES F, SHORE A HARDNESS OF MINIMUM 15 AND MAXIMUM 50, CONFORMING TO REQUIREMENTS OF FS TT-S-227, TYPE II, CLASS A, NON-STAINING AND NON-BLEEDING, COLOR AS SELECTED BY ARCHITECT, "SYNTHACALK GC-5" MANUFACTURED BY PECORA OR "SONOLASTIC SEALANT" BY SONNEBORN OR "CN-60" BY MEADOWS.

08110 FLUSH HOLLOW METAL DOORS SHALL BE FACTORY FABRICATED FROM 18 GA.COLD ROLLED STEEL SHEETS CONFORMING TO ASTM A366. DOOR FRAMES SHALL BE FABRICATED FROM 16 GA. COLD ROLLED BONDERIZED STEEL SHEETS WITH WELDED MITERED CORNERS AND 10 GA. HINGE REINFORCEMENT AND 12 GA. STRIKE REINFORCEMENT. PREPARE DOORS TO RECEIVE FINISH HARDWARE IN ACCORDANCE WITH AWI & ANSI A117 REQUIREMENTS. CONFORM TO AWI & ANSI A117 REQUIREMENTS FOR FIT TOLERANCES. SUBMIT DOOR SCHEDULE AND DOOR MANUFACTURER'S LATEST PUBLISHED PRODUCT DATA INDICATING DOOR CONSTRUCTION, LABELING AND GUARANTEES TO ARCHITECT FOR REVIEW. FURNISH TWO (2) COPIES OF MANUFACTURER'S WRITTEN GUARANTEE BASED UPON THE STANDARD DOOR GUARANTEE OF THE NATIONAL WOODWORK MANUFACTURER'S ASSOCIATION.

08115 DOOR FRAMES SHALL BE FABRICATED FROM 16 GA. COLD ROLLED BONDERIZED STEEL SHEETS WITH WELDED MITERED CORNERS AND 10 GA. HINGE REINFORCEMENT AND 12 GA. STRIKE REINFORCEMENT. PREPARE DOORS TO RECEIVE FINISH HARDWARE IN ACCORDANCE WITH AWI & ANSI A117 REQUIREMENTS. CONFORM TO AWI & ANSI A117 REQUIREMENTS FOR FIT TOLERANCES. SUBMIT DOOR SCHEDULE AND DOOR MANUFACTURER'S LATEST PUBLISHED PRODUCT DATA INDICATING DOOR CONSTRUCTION, LABELING AND GUARANTEES TO ARCHITECT FOR REVIEW. FURNISH TWO (2) COPIES OF MANUFACTURER'S WRITTEN GUARANTEE BASED UPON THE STANDARD DOOR GUARANTEE OF THE NATIONAL WOODWORK MANUFACTURER'S ASSOCIATION

08211 FLUSH WOOD DOORS SHALL BE BY SOLID WOOD CORE, DSP-20 DOORS BY WEYERHAEUSER COMPANY OR ARCHITECT APPROVED EQUAL WITH AWI PREMIUM GRADE, ROTARY SLICED, NATURAL BIRCH VENEER FACES, 3/4 INCH HARDWOOD, FINGER-JOINTED SIDE EDGES WITH 1/2 INCH THICK EDGE STRIPS OF WOOD SPECIES TO MATCH FACE VENEER, 1-1/8 INCH HARDWOOD OR SOFTWOOD TOP & BOTTOM EDGES, BONDED TO SOLID WOOD CORE, 1/16 IN. HARDWOOD CROSSBAND, TYPE I (WATERPROOF) FACE ASSEMBLY ADHESIVE, TYPE II (WATER RESISTANT) CORE ASSEMBLY ADHESIVE. INTERIOR DOOR FRAMES SHALL BE SOLID WOOD PAINT GRADE DOUGLAS FIR OR SOUTHERN PINE. DOORS AND FRAMES DESIGNATED TO BE LABELED BY THE DOOR SCHEDULE SHALL BEAR THE IDENTIFYING LABEL OF THE UNDERWRITERS LABORATORIES (UL) OR FACTORY MUTUAL ENGINEERING CORP. (FM). EXTERIOR DOOR FRAMES SHALL BE SOLID WOOD MILLED FROM ONE PIECE AS SHOWN ON THE DOOR JAMB DETAILS, WITH APPLIED TRIM.

08212 SUBMIT PRODUCT DATA, AND SHOP DRAWINGS INDICATING LOCATION, SIZE, AND HAND OF EACH DOOR; ELEVATION OF EACH KIND OF DOOR; CONSTRUCTION DETAILS NOT COVERED IN PRODUCT DATA; AND OTHER PERTINENT DATA. COMPLY WITH WDMA I.S.6, FOR QUALITY STANDARD." WHERE REQUIRED BY PLANS, PROVIDE FIRE-RATED WOOD DOORS THAT ARE LISTED AND LABELED. SAFETY GLASS SHALL COMPLY WITH TESTING REQUIREMENTS IN 16 CFR 1201, FOR CATEGORY II MATERIALS. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ALGOMA WOOD PRODUCTS OR APPROVED EQUAL. PROVIDE DOORS MADE WITH ADHESIVES AND COMPOSITE WOOD PRODUCTS THAT DO NOT CONTAIN UREA-FORMALDEHYDE RESINS. STILE AND RAIL DOORS SHALL BE OF STOCK DESIGN AND CONSTRUCTION. WOOD SPECIES FOR OPAQUE FINISH SHALL BE MANUFACTURER'S STANDARD SOFTWOOD SPECIES AND CUT FOR STILES AND RAILS; WITH PANELS OF SAME SPECIES OR WOOD-BASE CONSTRUCTION MATERIALS. GLASS FOR OPENINGS SHALL BE UNCOATED, CLEAR, FULLY TEMPERED FLOAT GLASS, 5.0 MM THICK. DOORS SHALL BE GRADE FOR OPAQUE FINISH. WOOD SPECIES FOR OPAQUE FINISH SHALL BE MANUFACTURER'S STANDARD SOFTWOOD SPECIES AND CUT FOR STILES AND RAILS; WITH PANELS OF SAME SPECIES OR WOOD-BASE CONSTRUCTION MATERIALS. DOOR CONSTRUCTION SHALL BE AS FOLLOWS: STILE AND RAIL CONSTRUCTION SHALL BE CLEAR SOFTWOOD; MAY BE EDGE GLUED FOR WIDTH AND FINGER JOINTED. RAISED-PANEL DOORS SHALL BE 1-3/4 INCHES THICK. FLAT-PANEL SHALL BE 1/2 INCH THICK. FABRICATE STILE AND RAIL WOOD DOORS IN SIZES INDICATED FOR PROJECT-SITE FITTING. FACTORY MACHINE DOORS FOR HARDWARE THAT IS NOT SURFACE APPLIED. GLAZE DOORS AT FACTORY WITH CLEAR FULLY TEMPERED GLASS. TRIM OPENINGS INDICATED FOR GLAZING WITH SOLID WOOD MOLDINGS, WITH ONE SIDE REMOVABLE. SHOP APPLY ONE COAT OF WOOD PRIMER SPECIFIED IN DIVISION 9 SECTION "PAINTING" TO FACES AND EDGES OF DOORS. INSTALL WOOD DOORS TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND WITH REFERENCED QUALITY STANDARD, AND AS INDICATED. INSTALL FIRE-RATED DOORS IN CORRESPONDING FIRE-RATED FRAMES ACCORDING TO NFPA 80. ALIGN AND FIT DOORS IN FRAMES WITH UNIFORM CLEARANCES AND BEVELS AS INDICATED BELOW; DO NOT TRIM STILES AND RAILS IN EXCESS OF LIMITS SET BY MANUFACTURER OR PERMITTED WITH FIRE-RATED DOORS. MACHINE DOORS FOR HARDWARE. SEAL CUT SURFACES AFTER FITTING AND MACHINING. CLEARANCES: PROVIDE 1/8 INCH AT HEADS, JAMBS, AND BETWEEN PAIRS OF DOORS. PROVIDE 1/8 INCH FROM BOTTOM OF DOOR TO TOP OF DECORATIVE FLOOR FINISH OR COVERING. WHERE THRESHOLD IS SHOWN OR SCHEDULED, PROVIDE 1/4 INCH FROM BOTTOM OF DOOR TO TOP OF THRESHOLD. ALIGN DOORS IN FRAMES FOR UNIFORM CLEARANCE AT EACH EDGE.

08305 PROVIDE ACCESS DOORS FOR ACCESS TO VALVES, CONTROLS, AND CONCEALED ITEMS REQUIRING MAINTENANCE. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DOORS SHALL BE 14 GAGE FOR NON-FIRE-RATED UNITS; 20 GAGE FOR FIRE-RATED UNITS; RECESSED STEEL PANEL DOORS TO ACCEPT FIELD FINISH OF DRYWALL OR TILE; CAM LOCKS EXCEPT KEY LOCKS AT PUBLIC AREAS. FRAMES SHALL BE 16 GAGE WITH CONCEALED FLANGES FOR DRYWALL AND TILE; AND 1" EXPOSED FLANGES FOR INSTALLATION INTO CONCRETE OR MASONRY. UNITS SHALL BE PRIMED FINISH FOR FIELD FINISH. COMPLY WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALL PLUMB, LEVEL AND SQUARE. INSTALL FIRE-RATED UNITS TO COMPLY WITH FIRE-RESISTANCE RATING REQUIRED. COORDINATE INSTALLATION AND FIELD FINISHING WITH WORK OF OTHER TRADES. ADJUST HARDWARE AND OPERATION. REPAIR OR REPLACE DAMAGED UNITS.

08410 PROVIDE ALUMINUM ENTRANCES AND STOREFRONT INCLUDING EXTERIOR ENTRANCE DOORS AND FRAMES, AND EXTERIOR STOREFRONT TYPE FRAMING SYSTEM. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA, DADE COUNTY PRODUCT APPROVAL AND WARRANTY. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. STILE-AND-RAIL DOOR TYPE, 1-3/4" THICK, MEDIUM STILE (3" WIDTH) WITH MECHANICALLY FASTENED AND REINFORCED JOINTS; COMPRESSION AND SLIDING WEATHERSTRIPPING. FRAMING SYSTEM UNITS FABRICATED FROM ALUMINUM EXTRUSIONS, ASTM B 221, AND SHEET, ASTM B 209; WITH THERMAL BREAK; KAWNEER COMPANY, INC. OR APPROVED EQUAL. METAL FINISH SHALL BE FLUOROPOLYMER FINISH, 2-COAT, KYNAR 500. GLAZING SHALL BE IMPACT RESISTANT LAMINATED SINGLE-GLAZING OF TEMPERED GLASS. HARDWARE: CENTER PIVOTS, OVERHEAD-CONCEALED CLOSERS, STOPS, THRESHOLD, DEADLOCKS AND KEYED CYLINDERS; PUSH/PULL BARS OR PANIC HARDWARE AND PULL BAR. TAKE FIELD MEASUREMENTS BEFORE FABRICATION WHERE POSSIBLE; DO NOT DELAY JOB PROGRESS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. ANCHOR SECURELY IN PLACE; INSTALL PLUMB, LEVEL AND IN TRUE ALIGNMENT. ISOLATE DISSIMILAR MATERIALS TO PREVENT CORROSION. COORDINATE WITH GLASS AND GLAZING WORK; INSTALL HARDWARE AND ADJUST FOR SMOOTH, PROPER OPERATION. CLEAN AND PROTECT COMPLETED SYSTEM: REPAIR DAMAGE.

REVISIONS BY



## WOODFIELD HUNT CLUI CLUBHOUSE RENOVATION AND EXPANSION 4420 WOODFIELD BLVD. BOCA RATON, FLORIDA

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08520 PROVIDE COMMERCIAL GRADE, HIGH-PERFORMANCE, FIXED ALUMINUM WINDOWS. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA, MOCK-UPS, WARRANTY, TEST REPORTS, MAINTENANCE DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PERFORMANCE: COMPLY WITH AAMA 101 FOR GRADE OF WINDOW REQUIRED. COMPLY WITH COMMERCIAL AAMA GRADE AND PERFORMANCE CLASS C20. UNITS SHALL COMPLY WITH AAMA 302.9 AND AAMA 101-85 COMMERCIAL WINDOW STANDARD; THERMAL BREAK; COMPRESSION AND SLIDING TYPE WEATHERSTRIPPING; FINISH SHALL BE FLUOROPOLYMER COATING, 2-COAT, KYNAR 500 TO MATCH EXISTING. FABRICATE WINDOWS TO CONFORM TO AAMA STANDARDS AND ACCEPT GLASS SPECIFIED. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. RESTORE DAMAGED FINISHES AND TEST FOR PROPER OPERATION. CLEAN AND PROTECT WORK FROM DAMAGE.

08711 PROVIDE FINISH HARDWARE AS SCHEDULED ON THE DRAWINGS AND REFERENCED HEREIN. SUBMIT 6 COPIES OF VERTICALLY FORMATTED HARDWARE SCHEDULE. FORMAT HARDWARE SCHEDULE INTO HARDWARE GROUPS TO CLEARLY IDENTIFY EACH DOOR AND FRAME WITH THE FOLLOWING: UNIQUE NUMBER; DESCRIPTIVE LOCATION; SIZE; HAND; DEGREE OF SWING. LIST WITHIN HARDWARE GROUPS ALL ITEMS REQUIRED FOR EACH DOOR OR PAIR OF DOORS, INCLUDING THE FOLLOWING. QUANTITY; ITEM DESCRIPTION; MANUFACTURERS CATALOG NUMBER; SIZE: BHMA FINISH; NAME OF MANUFACTURER. FURNISH NUMERICALLY SORTED CROSS REFERENCE OF DOOR NUMBERS TO HARDWARE SETS. FURNISH 2 COPIES OF CATALOG CUTS FOR EA. ITEM OF HARDWARE. FURNISH INDEX AND EXPLANATION OF ABBREVIATIONS, SYMBOLS AND/OR CODES CONTAINED IN HARDWARE SCHEDULE. FURNISH CHART OF MOUNTING HEIGHTS AND LOCATIONS. APPROVAL OF HARDWARE SCHEDULE WILL NOT RELIEVE THE SUPPLIERS RESPONSIBILITY OF FURNISHING ALL HARDWARE TO COMPLETE THE PROJECT. FURNISH TEMPLATES AND APPROVED HARDWARE SCHEDULE TO RESPECTIVE MATERIAL SUPPLIERS AND TRADES TO ENSURE ACCURATE REINFORCING AND FITTING OF FINISH HARDWARE. SUPPLIER TO BE A DIRECTLY FRANCHISED DISTRIBUTOR OF THE PRODUCTS TO BE FURNISHED AND HAVE IN THEIR EMPLOY AN AHC, ARCHITECTURAL HARDWARE CONSULTANT, OR PERSON OF EQUIVALENT EXPERIENCE, WHO IS AVAILABLE FOR CONSULTATION TO THE ARCHITECT, OWNER AND GENERAL CONTRACTOR AT REASONABLE TIMES DURING THE COURSE OF WORK. OBTAIN EACH CATEGORY OF HARDWARE; (LOCKSET, LATCHSET, DEADBOLT, CYLINDER); (HINGES), (CLOSERS), ETC: FROM A SINGLE MANUFACTURER. HARDWARE FOR FIRE RATED OPENINGS SHALL COMPLY WITH NFPA80, STATE AND LOCAL FIRES SAFETY CODES. HARDWARE SHALL COMPLY WITH REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT, ADA, A117.1. PROVIDE LOCKED STORAGE AREA PROTECTED FROM MOISTURE, SUNLIGHT, PAINT, CHEMICALS, ETC. PACKAGE HARDWARE ITEMS INDIVIDUALLY IN MANUFACTURERS ORIGINAL CARTONS, CLEARLY MARKED TO INDICATE CONTENTS AND CROSS REFERENCED TO HARDWARE SCHEDULE. FURNISH ANY SPECIALIZED TOOLS AND MAINTENANCE INSTRUCTION MANUALS TO OWNER'S REPRESENTATIVE. PROVIDE A ONE (1) YEAR WARRANTY AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP COMMENCING WITH SUBSTANTIAL COMPLETION OF THE PROJECT. EXTENDED WARRANTIES ARE SPECIFICALLY MENTIONED IN EACH PRODUCT CATEGORY. SUPPLIERS REPRESENTATIVE SHALL INSPECT COMPLETED PROJECT AND CERTIFY THAT BOTH HARDWARE AND INSTALLATION IS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE TWO COPIES OF CERTIFICATION TO THE ARCHITECT. HARDWARE FINISHES SHALL BE AS INDICATED ON THE PLANS. PROVIDE HARDWARE SETS AS INDICATED ON THE PLANS AND BY THE FOLLOWING MANUFACTURERS AND PRODUCT TYPES FOR THIS PROJECT: HINGES: AS MANUFACTURED BY IVES, FIVE KNUCKLE, FLAT BUTTON TIP DESIGN. PROVIDE THREE HINGES ON ALL DOORS UP TO AND INCLUDING 90 INCHES IN HEIGHT. ADD ONE HINGE FOR EACH ADDITIONAL 30 INCHES IN HEIGHT. ALL EXTERIOR DOORS TO HAVE NON-REMOVABLE PINS. PROVIDE SHIMS AND INSTRUCTIONS FOR PROPER DOOR ADJUSTMENT. LOCKSETS, LATCHSETS, RIM AND MORTISE CYLINDERS: AS MANUFACTURED BY THE SCHLAGE LOCK COMPANY, ND SERIES IN OMEGA DESIGN. ALL CYLINDERS TO BE INTERCHANGEABLE CORE TYPE. ALL LOCKS TO BE KEYED, MASTERKEYED, GRAND MASTERKEYED AND CONSTRUCTION KEYED INTO A NEW EVEREST KEY SYSTEM UTILIZING PATENTED KEYS. SUPPLIER TO MEET WITH OWNERS REPRESENTATIVE TO DETERMINE KEYING REQUIREMENTS. FINAL INSTRUCTIONS TO BE PROVIDED IN WRITING. STAMP ALL KEYS "DO NOT DUPLICATE". KEYS REQUIRED: 2 KEYS EA. INDIVIDUALLY KEYED CYLINDER, 4 TOTAL FOR EA. KEYED ALIKE GROUP, 6 MASTERKEYS FOR EA. MASTERKEYED SET, 15 CONSTRUCTION KEYS, 2 TEMPORARY CONTROL KEYS, AND 2 PERMANENT CONTROL KEYS. PROVIDE EXIT DEVICES: AS MANUFACTURED BY VON DUPRIN OR APPROVED EQUAL. CLOSERS: AS MANUFACTURED BY LCN OR APPROVED EQUAL. ALL CLOSERS TO BE MOUNTED WITHIN THE BUILDING AWAY FROM THE PUBLIC SIDE ON ALL DOORS WHENEVER POSSIBLE. PULLS, PUSHPLATES: AS MANUFACTURED BY IVES OR APPROVED EQUAL. WALL STOPS: AS MANUFACTURED BY IVES OR APPROVED EQUAL. FLUSH AND SURFACE BOLTS: AS MANUFACTURED BY IVES OR APPROVED EQUAL. WEATHERSTRIPPING: AS MANUFACTURED BY ZERO OR APPROVED EQUAL. SILENCERS:. AS NOTED IN HARDWARE SETS. VERIFY THAT DOORS AND FRAMES ARE READY TO RECEIVE WORK AND DIMENSIONS ARE AS INDICATED ON SHOP DRAWINGS. BEGINNING OF INSTALLATION MEANS ACCEPTANCE OF EXISTING CONDITIONS. UTILIZE INSTRUCTIONS AND TEMPLATES PROVIDED WITH EACH ITEM OF HARDWARE. SET ALL THRESHOLDS IN A FULL BED OF BUTYL-RUBBER. CHECK AND ADJUST THE OPERATION OF EACH DOOR AND ITEM OF HARDWARE TO ENSURE THEIR PROPER FUNCTION. FINAL ADJUSTMENTS ARE TO BE MADE AFTER ALL VENTILATING SYSTEMS ARE IN OPERATION. CLEAN ALL HARDWARE AND ADJACENT SURFACES AFTER INSTALLATION. INSTRUCT OWNERS PERSONNEL IN ADJUSTMENT AND MAINTENANCE OF HARDWARE AND HARDWARE FINISHES.

08800 PROVIDE GLASS AND GLAZING FOR ALL APPLICATIONS INDICATED ON THE DRAWINGS. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA, MOCK-UPS, WARRANTY, TEST REPORTS, MAINTENANCE DATA, EXTRA STOCK. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. GLAZING SHEETS SHALL BE HEAT TREATED GLASS PRODUCTS, ASTM C1048 TEMPERED GLASS. AND IMPACT RESISTANT LAMINATED GLASS PRODUCTS. GLAZING MATERIALS SHALL INCLUDE SILICONE GLAZING SEALANTS, WEATHER SEAL BY DOW CORNING OR APPROVED EQUAL, PREFORMED GLAZING TAPE; TREMCO POLYSHIM TAPE OR APPROVED EQUAL, PREFORMED GASKETS: TREMCO OR APPROVED EQUAL AND SETTING BLOCKS, SHIMS AND SPACERS AS REQUIRED. INSPECT FRAMING AND REPORT UNSATISFACTORY CONDITIONS IN WRITING. COMPLY WITH FGMA "GLAZING MANUAL" AND MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. USE MANUFACTURER'S RECOMMENDED SPACERS, BLOCKS, PRIMERS, SEALERS, GASKETS AND ACCESSORIES. INSTALL GLASS WITH UNIFORMITY OF PATTERN DRAW, BOW AND ROLLER MARKS. INSTALL SEALANTS TO PROVIDE COMPLETE WETTING AND BOND AND TO CREATE A SUBSTANTIAL WASH AWAY FROM GLASS. REMOVE AND REPLACE DAMAGED GLASS AND GLAZING. WASH, POLISH AND PROTECT ALL GLASS SUPPLIED UNDER THIS SECTION.

09220 PROVIDE PORTLAND CEMENT PLASTER AS INDICATED ON THE DRAWINGS. MATERIALS AND WORKMANSHIP MUST CONFORM TO THE SPECIFICATION STANDARDS MANUAL AS PUBLISHED BY THE ASSOCIATION OF WALL AND CEILING CONTRACTORS. INSTALLATION TEMPERATURE FOR CEMENT PLASTER BASE COATS MUST BE A MINIMUM OF 41F AND FOR 24 HOURS PRIOR TO AND FOLLOWING. DO NOT INSTALL MATERIALS DURING INCLEMENT WEATHER UNLESS MEANS TO PROTECT INSTALLATION ARE TAKEN. ACRYLIC COATS MUST BE PROTECTED FROM MOISTURE FOR A MINIMUM OF 24 HOURS FOLLOWING APPLICATION. BASE COAT MATERIALS SHALL BE IN ACCORDANCE WITH AWCC MANUAL. FINISH COAT SHALL BE A 100% ACRYLIC BASED COMPOUND WITH ENHANCEMENTS TO REDUCE DIRT PICKUP AND STAINING. TEXTURE SHALL BE MEDIUM SANDFLOAT FINISH. STUCCO LATH SHALL BE PAPER BACKED STANDARD TYPE WELDED WIRE LATH IN ACCORDANCE WITH AWCC MANUAL. METAL FLASHING SHALL BE SHEET STEEL TO ASTM A446, MINIMUM 24 GAUGE, GALVANIZED TO ASTM A525, ZF275 COATING, PREFINISHED TO COLOR AS SELECTED BY ARCHITECT. MEMBRANE FLASHING SHALL BE SELF-ADHERED MEMBRANE, 1/32 IN. THICK COMPOSITE SHEET CONSISTING OF RUBBERIZED ASPHALT CROSS-LAMINATED TO POLYETHYLENE SHEET. NAILS SHALL BE HOT DIPPED GALVANIZED TO CSA B111, MINIMUM 1-1/2 IN. LONG, 1/8 IN. DIAMETER SPIRAL SHANK, 7/16 IN. HEAD. STUCCO ACCESSORIES SHALL INCLUDE ZINC CASING BEADS CONTROL JOINTS AND CORNER BEADS. INSTALL A CONTROL JOINT AT EACH FLOOR SLAB. INSTALL A 12 IN. WIDE STRIP OF MEMBRANE FLASHING CENTERED OVER EXPANSION GAP WITH CONTROL JOINT OVER THE JOINT TO ALLOW FOR MOVEMENT. OVER MEMBRANE SECURE HORIZONTAL SHEET METAL FLASHING THROUGH MEMBRANE FLASHING TO SHEATHING WHERE APPLICABLE. EXTEND FLASHING UP BACKUP WALL 6 IN. AND 1/2 IN. CLEAR OF THE FACE OF THE STUCCO. SEAL JOINTS BETWEEN LENGTHS OF FLASHING WITH GLAZING TAPE AND SEALANT. OVER METAL FLASHING INSTALL A 12 IN. LAYER OF MEMBRANE FLASHING EXTENDING FROM THE BACKUP WALL AND DOWN OVER THE METAL FLASHING. ENSURE THAT SHEATHING MEMBRANE IS LAPPED OVER MEMBRANE FLASHING. DO NOT SEAL BOTTOM HORIZONTAL FLASHING, LEAVE JOINT OPEN FOR DRAINAGE OF ANY WATER OCCURRING AT THE SHEATHING MEMBRANE PLANE. WHERE SHEET METAL FLASHING IS INSTALLED OVER SLOPED HORIZONTAL SURFACES, INSTALL A LAYER OF MEMBRANE FLASHING BELOW FLASHING BEFORE INSTALLING SHEET METAL AND SLOPE FLASHING IN TOWARDS BUILDING. INSTALLATION OF MESH, LATH AND ACCESSORIES SHALL BE IN ACCORDANCE WITH AWCC MANUAL. FASTEN METAL LATH AT 4 IN. O.C. VERTICALLY TO SUPPORTS SPACED 24 IN. O.C. HORIZONTALLY. PROVIDE VERTICAL CONTROL JOINTS AT MAXIMUM 10 FT. INTERVALS. APPLY SCRATCH COAT OF 1/2 IN. TO COMPLETELY EMBED REINFORCING MESH OR LATH, WITH SUFFICIENT PRESSURE TO FORM KEY. SCRATCH IN HORIZONTAL DIRECTION FOR MECHANICAL KEY. MAINTAIN SCRATCH COAT CONTINUOUSLY MOIST FOR 48 HOURS. APPLY WATER IN A FINE FOG SPRAY. AFTER CURING, PERMIT SURFACE TO DRY, TO DEVELOP PROPER SUCTION BEFORE APPLYING SUCCEEDING PLASTER COATS. APPLY BROWN COAT OF 1/4 IN. TO LATHED SURFACES. OFFSET JOINT IN BROWN COAT A MINIMUM OF 6 IN. FROM JOINT IN SCRATCH COAT. BRING BROWN COAT TO A TRUE AND EVEN SURFACE AND LEAVE READY FOR FINISH COAT. MOIST CURE BROWN COAT CONTINUOUSLY FOR 72 HOURS. APPLY FINISH COAT OF NOT LESS THAN 1/8 IN. WITH SUFFICIENT PRESSURE AND MATERIAL TO ENSURE TIGHT CONTACT WITH AND COMPLETE COVERAGE OF THE SECOND COAT. TOTAL THICKNESS OF STUCCO MUST NOT BE LESS THAN 7/8 IN. AT ANY LOCATION. FLOAT TO A TRUE PLANE SURFACE WITH A SPONGE RUBBER FLOAT TO PRODUCE A MEDIUM TEXTURED SANDFLOAT FINISH. COAT HORIZONTAL EXPANSION JOINT FLASHING WITH ACRYLIC COATING APPLIED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS. FINISH MUST BE UNIFORM IN TEXTURE AND BE FREE OF DEFECTS, INCLUDING VISIBLE FINE CRACKING. RECOATING OF DEFECTS WILL BE REQUIRED. PROTECT FINISH COAT FROM MOISTURE AND AIRBORNE CONTAMINANTS FOR A MINIMUM OF 24 HOURS. VERTICAL CONTROL JOINTS

09250 METAL STUDS SHALL BE (ASTM A591, ELECTROGALVANIZED) 25 GA. NON-LOAD BEARING ROLLED STEEL, CHANNEL SHAPED PUNCHED FOR UTILITY ACCESS 1 5/8", 3 5/8" OR 6" (AS SHOWN ON WALLTYPE DETAILS) AT MAX 24" O.C. AS MANUFACTURED BY USG. RUNNERS SHALL BE SAME MATERIAL AND FINISH AS STUDS BENT LEG RETAINER SPECIFICALLY DESIGNED TO RECEIVE STUDS. FURRING AND BRACING MEMBERS SHALL BE SAME MATERIAL AND FINISH AS STUDS SHAPE AND THICKNESS AS REQUIRED TO SUIT PURPOSE. USE SELF-DRILLING SELF-TAPPING SCREW FASTENERS, 20 GA. GALVANIZED STEEL BACKING (AT JOINT BETWEEN TWO PIECES OF GYPSUM BOARD), WOOD BLOCKING AT ALL OCCURRENCES OF AN OBJECT ANCHORED TO THE PARTITION (WALL CABINETS TOILET ACCESSORIES ETC.). ANCHOR RUNNERS TO FLOOR AND TRACK TO EXTERIOR WALL WITH POWDER ACTUATED FASTENERS AT 16" O.C. AND BRACE PARTITIONS WHICH TERMINATE AT CEILING AT 6'-0" O.C. DIAGONALLY OR CLOSER AS REQUIRED TO MAKE RIGID. CONSTRUCT CORNERS WITH MINIMUM 3 STUDS, DOUBLE STUDS AT EACH SIDE OF DOOR OPENINGS, 25 GA. STIFFENERS AT MIDPOINT OF STUDS 10'-0" TALL OR LESS AND AT 5'-0" O.C. ON STUDS GREATER THAN 10'-0" TALL. STUDS SHALL BE INSTALLED WITHIN 1/8"

MUST BE SEALED WITH SEALANT PER SECTION 07920.

IN 10'-0" OF PLUMB AND LEVEL IN ANY DIRECTION. WHERE A STUD PARTITION ABUTS A FURRED OUT MASONRY WALL AS INDICATED IN DETAIL 1/A-5 OR SIMILAR CONDITION, THE CONTRACTOR SHALL HOLD THE FACE OF THE STUD FLUSH WITH THE FACE OF THE FURRING STRIP SO THAT A SMOOTH UNINTERRUPTED LAYER OF GYPSUM BOARD MAY BE APPLIED.

09255 PROVIDE GYPSUM WALLBOARD PRODUCTS MANUFACTURED BY GOLD BOND OR ARCHITECT APPROVED EQUAL. REGULAR BOARD SHALL BE ASTM C36, TAPERED EDGE AND SQUARE EDGE. MOISTURE RESISTANT BOARD SHALL BE ASTM C630, "MR BOARD" TAPERED EDGE. FIRE-RATED BOARD SHALL BE ASTM C36, TYPE X, "FIRE SHIELD", TAPERED EDGE. SUSPENDED CEILING SHALL HAVE NO. 9 GAUGE ANNEALED GALVANIZED WIRE HANGERS SUPPORTING 1-1/2" COLD ROLLED CARRYING CHANNELS WEIGHING 0.475# PER FOOT AT 16" O.C. PROVIDE GALVANIZED STEEL STANDARD CORNER BEADS FOR STRAIGHT OUTSIDE CORNERS, IN SIZES AS REQUIRED FOR THE WALLBOARD SYSTEM USED, MULTI-FLEX TAPE BEAD (FORMED FOR 90 DEGREE OR ANY INSIDE OR OUTSIDE CORNERS LESS OR GREATER THAN 90 DEGREES), GALVANIZED STEEL CASING & TRIM BEAD: , IN SIZES AS REQUIRED FOR THE WALLBOARD SYSTEM USED, SCREWS, NAILS, STAPLE FASTENERS AS RECOMMENDED BY MANUFACTURER OF SYSTEM, "GOLD BOND" PERFORATED JOINT TAPE, "GOLD BOND" JOB MIX OR READY MIX COMPOUND. REINFORCE OPENINGS IN CEILING SUSPENSION SYSTEM WHICH INTERRUPT MAIN CARRYING CHANNELS OR FURRING CHANNELS, WITH LATERAL CHANNEL BRACING. EXTEND BRACING MINIMUM 24 INCHES PAST EACH END OF OPENINGS. APPLY GYPSUM WALLBOARD WITH THE LENGTH AT RIGHT ANGLES TO THE FRAMING. MAINTAIN A ONE-HALF INCH (1/2") CLEARANCE BETWEEN THE BOTTOM SHEET OF WALLBOARD AND THE ROUGH FLOOR CONSTRUCTION TO PREVENT "WICKING" OF MOISTURE INTO THE WALLBOARD. ERECT SINGLE LAYER FIRE RATED GYPSUM BOARD VERTICALLY, WITH EDGES AND ENDS OCCURRING OVER FIRM BEARING. APPLY MOISTURE RESISTANT BOARD HORIZONTALLY TO THE FRAMING. USE SCREWS WHEN FASTENING GYPSUM BOARD TO FURRING OR FRAMING. TAPE, FILL, AND SAND EXPOSED JOINTS, EDGES, AND CORNERS TO PRODUCE SMOOTH SURFACE READY TO RECEIVE FINISHES. FEATHER COATS ONTO ADJOINING SURFACES SO THAT CAMBER IS MAXIMUM 1/16 INCH. MAXIMUM VARIATION FROM TRUE FLATNESS: 1/8 INCH IN 10 FEET IN ANY DIRECTION. FINISH GYPSUM WALLBOARD ABUTTING OTHER MATERIAL WITH METAL EDGE STRIPS. CONCEAL PIPING, DUCTWORK, AND CONDUIT. FUR OUT WALLS AND/OR PARTITIONS AS REQUIRED TO PROVIDE MINIMUM COVER.

09310 CERAMIC TILE SHALL BE OF COLOR AND PATTERN AS SELECTED BY ARCHITECT FROM STANDARD PALETTE AS MANUFACTURED BY AMERICAN OLEAN TILE COMPANY OR ARCHITECT APPROVED EQUAL. WALL TILE SHALL BE 4" X 4" COMBINATIONS GLOSS GLAZE. FLOOR TILE IN BATHROOM SHALL BE 2" X 2" UNGLAZED CERAMIC MOSAICS. TILES SHALL BE THINSET WITH LATEX-PORTLAND CEMENT MORTAR: IN ACCORD WITH ANSI A118.4. APPLY EPOXY TYPE GROUT, COLOR AS SELECTED BY ARCHITECT, AS MANUFACTURED BY CUSTOM BUILDING PRODUCTS, LATICRETE INTERNATIONAL INC. OR UPCO. 12" SO. TILE SHALL BE AMERICAN OLEAN OR ARCHITECT APPROVED EQUAL. LAY OUT ALL TILEWORK SO AS TO MINIMIZE CUTS LESS THAN ONE-HALF TILE IN SIZE AND TO BE AS LEAST CONSPICUOUS AS POSSIBLE. ALIGN ALL JOINTS TO GIVE STRAIGHT UNIFORM GROUT LINES, PLUMB, LEVEL AND PARALLEL WITH WALLS. USE ALL PRODUCTS IN STRICT ACCORDANCE WITH RECOMMENDATIONS AND DIRECTIONS OF MANUFACTURER AND TILE COUNCIL OF AMERICA 1985 HANDBOOK FOR CERAMIC TILE INSTALLATION, KEEP FLOOR LEVEL, SUBMIT SAMPLES, FOR EACH GROUP OF TILES SPECIFIED, OF MANUFACTURER'S CURRENTLY AVAILABLE RANGE OF COLORS, PROPERLY IDENTIFIED FOR REVIEW. ALUMINUM THRESHOLDS SHALL BE PROVIDED AT BATHROOM DOORS TO TERMINATE TILE.

09510 PROVIDE ACOUSTICAL PANEL CEILINGS, TRIM AND METAL SUSPENSION SYSTEM AS INDICATED ON THE DRAWINGS. SUBMIT FOR APPROVAL SAMPLES, PRODUCT DATA, EXTRA STOCK. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ACOUSTICAL PANELS, EXPOSED SUSPENSION: 3/4" THICK, MOLDED, MEDIUM FISSURED MINERAL TILE; ARMSTRONG TRAVERTONE, CELOTEX CELOTONE, U.S. GYPSUM ACOUSTONE OR APPROVED EQUAL. PANEL SIZE SHALL BE 24" BY 48" AND 24" BY 24" AS INDICATED ON THE DRAWINGS. PANEL EDGE SHALL BE SQUARE EDGE; FLUSH MOUNT WITH GRID. ALIGN PATTERN IN SAME DIRECTION. EXPOSED GRID SUSPENSION SYSTEM: INTERMEDIATE DUTY PAINTED STEEL, WHITE COLOR T-GRID. EXPOSED GRID SUSPENSION SYSTEM FOR KITCHENS AND WET AREAS; INTERMEDIATE DUTY PAINTED ALUMINUM; T-GRID, WHITE COLOR. CONCEALED GRID SUSPENSION SYSTEM: CONCEALED SPLINE, INTERMEDIATE DUTY STEEL. INSTALL MATERIALS AND SUSPENSION SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, AND ASTM C636. COORDINATE INSTALLATION WITH LOCATION OF MECHANICAL AND ELECTRICAL WORK TO ENSURE PROPER LOCATIONS. LEVEL CEILING TO WITHIN 1/8" IN 10' IN BOTH DIRECTIONS. SCRIBE AND CUT PANELS TO FIT ACCURATELY. MEASURE AND LAYOUT TO AVOID LESS THAN HALF PANEL UNITS. ADJUST, CLEAN, AND TOUCH-UP ALL SYSTEM COMPONENTS. PROVIDE WRAPPED AND LABELED MAINTENANCE STOCK OF NEW MATERIAL EQUAL TO 2 PERCENT OF CEILING PANELS, TILE, AND SUSPENSION INSTALLED.

09650 PROVIDE RESILIENT FLOORING AND BASE AS INDICATED ON THE DRAWINGS. SUBMIT FOR APPROVAL SAMPLES, PRODUCT DATA, EXTRA STOCK. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE MATERIALS AND ADHESIVES WHICH DO NOT CONTAIN ASBESTOS. TILE FLOORING SHALL BE AS FOLLOWS: VINYL TILE: 12" BY 12" BY 1/8"; KENTILE OR APPROVED EQUAL. VINYL COMPOSITION TILE: 12" BY 12" BY 1/8"; IMPERIAL EXCELON BY ARMSTRONG WORLD INDUSTRIES OR APPROVED EQUAL. RUBBER TILE: 12" BY 12" BY 1/8"; FLEXCO OR APPROVED EQUAL. RAISED PROFILE RUBBER TILE: ROUND RAISED LOW-PROFILE RUBBER TILE, 18" BY 18" BY 1/8"; RADIAL RUBBER TILE BY FLEXCO OR APPROVED EQUAL. MATCH EXISTING TILE FLOORING WITH NEW MATERIALS. SHEET FLOORING SHALL BE AS FOLLOWS: VINYL SHEET FLOORING: 0.085" OVERALL GAGE, 0.050" VINYL WEAR LAYER; CUSTOM CORLON BY ARMSTRONG WORLD INDUSTRIES OR APPROVED

EQUAL. RUBBER SHEET FLOORING: 1/8" THICK SHEET FLOORING, 36" WIDE ROLLS; FLEXCO OR APPROVED EQUAL. MATCH EXISTING SHEET FLOORING WITH NEW MATERIALS. ACCESSORIES SHALL BE AS FOLLOWS: WALL BASE: 4" HIGH, 1/8" THICK, MATTE FINISH. WALL BASE PROFILE: STRAIGHT AT CARPET, COVED AT RESILIENT TILE. STAIR TREADS, STAIR SKIRT, RISERS, EDGE STRIPS AS REQUIRED. CORNERS SHALL BE FIELD-FORMED. ADHESIVE SHALL BE WATERPROOF. COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. INSTALL IN PROPER RELATION TO ADJACENT WORK. PREPARE SURFACES BY CLEANING, LEVELING AND PRIMING AS REQUIRED. TEST ADHESIVE FOR BOND BEFORE GENERAL INSTALLATION. LEVEL TO 1/8" IN 10' TOLERANCE, TILE FLOORING: INSTALL TILE WITH TIGHT JOINTS AND WITH ONE-WAY PATTERN. LAYOUT TO PREVENT LESS THAN 1/2 TILE UNITS. INSTALL SHEET FLOORING WITH TIGHT JOINTS AND PATTERN IN ADJOINING AREAS RUNNING IN THE SAME DIRECTION. LAYOUT TO MINIMIZE SEAMS AS PRACTICAL. INSTALL BASE AND ACCESSORIES TO MINIMIZE JOINTS. INSTALL BASE WITH JOINTS AS FAR FROM CORNERS AS PRACTICAL. CLEAN, POLISH, AND PROTECT.

09680 CARPET SHALL BE GLUE DOWN COMMERCIAL GRADE OF PATTERN AND COLOR AS SELECTED BY ARCHITECT FROM STANDARD PALETTE AS MANUFACTURED BY MENNINGTON CARPET CO. OR ARCHITECT APPROVED EQUAL. CARPET SHALL DEVELOP A SPECIFIC OPTICAL DENSITY (DM) OF 450 OR LESS (FLAMING) AS DETERMINED BY NFPA 258. CARPET SHALL BE WARRANTIED TO COVER EXCESS SURFACE WEAR, EDGE RAVEL AND DELAMINATION OF SECONDARY BACKING FROM FACE FOR A PERIOD OF 10 YEARS FROM DATE OF ORIGINAL PURCHASE. SUB-FLOOR SHALL BE PATCHED FLAT AND SMOOTH AND PREPARED PER CARPET MANUFACTURER'S RECOMMENDATIONS. INSTALL CARPET WITH WATERPROOF PRIMER AND ADHESIVE AS RECOMMENDED BY CARPET MANUFACTURER. LAY OUT ROLLS OF CARPET WITH AS FEW SEAMS AS POSSIBLE USING LENGTHWISE SEAMS ONLY. AVOID SEAMS PERPENDICULAR TO DOORWAYS AND IN HIGH TRAFFIC AREAS. ONLY STRAIGHT TIGHT SEAMS AND MINIMAL VARIATION IN DIE LOTS ON ADJACENT PIECES WITH PILE RUNNING THE SAME DIRECTION WILL BE ACCEPTED. FIT CARPET TIGHT TO INTERSECTIONS WITH VERTICAL SURFACES WITHOUT GAPS. REMOVE EXCESS ADHESIVE FROM CARPET, BASE AND WALL SURFACES WITHOUT DAMAGE.

09900 PAINT ALL SURFACES WHETHER NOTED SO ON THE PLANS OR NOT. SUBMIT PRODUCT DATA TO ARCHITECT ON ALL FINISHING PRODUCTS. SUBMIT MANUFACTURER'S COLOR BOOK OF CURRENTLY AVAILABLE RANGE OF COLORS FOR EACH PRODUCT SPECIFIED, FOR ARCHITECT'S SELECTION.

ON DRY GYPSUM BOARD SURFACES, FILL MINOR DEFECTS WITH FILLER COMPOUND. SPOT PRIME DEFECTS AFTER REPAIR. APPLY AN EVEN COAT OF INTERIOR LATEX PRIMER SEALER AND TWO COATS OF LATEX FLAT WALL PAINT. ON WET GYPSUM BOARD SURFACES, (BATHROOMS), FILL MINOR

DEFECTS WITH FILLER COMPOUND. SPOT PRIME DEFECTS AFTER REPAIR. APPLY AN EVEN COAT OF INTERIOR LATEX PRIMER SEALER AND TWO COATS OF EPOXY. ON WOODEN INTERIOR DOORS AND OTHER CASEWORK, WIPE OFF DUST AND GRIT PRIOR TO PRIMING. FILL HOLES AND CRACKS, AND SPOT SEAL KNOTS, PITCH STREAKS, AND SAPPY SECTIONS WITH SEALER. APPLY AN EVEN COAT OF ALKYD ENAMEL UNDERCOATER ON ALL SURFACES INCLUDING TOP AND BOTTOM EDGES. APPLY TWO MORE COATS OF ALKYD SEMI-GLOSS ENAMEL

ON ALUMINUM, REMOVE SURFACE CONTAMINATION BY STEAM OR HIGH PRESSURE WATER. REMOVE OXIDATION WITH ACID ETCH AND SOLVENT WASH. APPLY ETCHING PRIMER IMMEDIATELY FOLLOWING CLEANING. APPLY TWO COATS OF ALKYD GLOSS ENAMEL.

ON FERROUS METALS, CLEAN SURFACES WITH SOLVENT AND APPLY A COAT OF FERROUS METAL PRIMER PRIMER EXISTS (WELDS ETC.) AND APPLY TWO COATS OF EXTERIOR GLOSS OIL PAINT.

ON STUCCO OR EXPOSED MASONRY, APPLY ONE COAT ALKYD

UNDERCOATER AND TWO COATS ALKYD FLAT LATEX PAINT. VERIFY THAT SURFACES ARE READY TO RECEIVE PAINT AND FINISH AS INSTRUCTED BY THE PRODUCT MANUFACTURER. APPLY PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND THE RECOMMENDATIONS OF THE NATIONAL PAINT AND COATINGS ASSOCIATION (NPCA). FOLLOW MANUFACTURER'S DIRECTIONS FOR MIXING, THINNING, APPLICATION AND DRYING TIME BETWEEN COATS, COVERAGE AND HIDE TO BE COMPLETE. WHEN COLOR, STAIN, DIRT, OR UNDERCOATS SHOW THROUGH FINAL COAT, COVER SURFACE WITH ADDITIONAL COATS UNTIL PAINT FILM IS OF UNIFORM FINISH, COLOR APPEARANCE AND COVERAGE, AT NO ADDITIONAL COST TO OWNER. TOUCH UP AND RESTORE FINISHES WHERE DAMAGED. PAINT SHALL BE AS FOLLOWS:

INTERIOR LATEX PRIMER SEALER SHALL BE:

GLIDDEN SPRED PRIMER-SEALER Y-3416 OR B. MOORE LATEX Q.D. PRIME

INTERIOR LATEX FLAT WALL PAINT SHALL BE:

GLIDDEN ULTRA-HIDE LATEX FLAT WALL PAINT Y-5300 ALKYD ENAMEL UNDERCOATER SHALL BE:

GLIDDEN SPRED UNDERCOATER Y-555 OR B. MOORE ALKYD ENAMEL UNDERBODY

ALKYD SEMI-GLOSS ENAMEL SHALL BE:

GLIDDEN SPRED LUSTRE SEMI-GLOSS Y-4600 OR B. MOORE SUPER STIL-WHITE ENAMEL SEMI-GLOSS LATEX HOUSE PAINT SHALL BE:

GLIDDEN SPRED HOUSE PAINT Y-3600 LINE OR B. MOORE MOORE-GARD LATEX HOUSE PAINT

ALKYD GLOSS ENAMEL SHALL BE: GLIDDEN GLID GUARD ALKYD INDUSTRIAL ENAMEL Y-4550 OR B. MOORE IMPERVO HIGH GLOSS ENAMEL

FERROUS METAL PRIMER SHALL BE: GLIDDEN ZINC CHROMATE PRIMER Y-5533 OR B. MOORE ZINC CHROMATE PRIMER 154

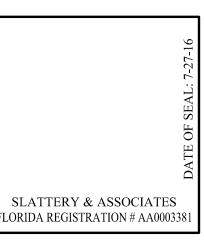
EXTERIOR OIL PAINT GLOSS SHALL BE:

GLIDDEN SPRED GEL-FLO Y-1901 OR B. MOORE MOORE'S HOUSE PAINT **EPOXY COATING SHALL BE:** 

GLIDDEN GLID-TILE EPOXIDE Y-5552 OR SHERWIN WILLIAMS TILE-CLAD II ENAMEL HIPAC COATING B69 SERIES



### NOV NSIC LD BLV RENG PANS PFIELD I BHOU AND 4420 W BOCA F ODFIE



DRAWN CR, DR CHECKED CR ON 7-21-16 AS NOTED 2014-33

10155 PROVIDE TOILET PARTITIONS AND SCREENS AS INDICATED ON THE DRAWINGS INCLUDING, FLOOR-SUPPORTED PARTITIONS AND WALL-HUNG SCREENS. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PLASTIC LAMINATE-FACED PARTITIONS: PRESSURE-LAMINATED ONE-PIECE FACE SHEETS, 0.062" THICK; SANYMETAL PRODUCTS CO. OR APPROVED EQUAL. COLOR AND FINISH SHALL BE AS SELECTED BY INTERIOR DESIGNER. PROVIDE DOOR HINGES, LATCHES AND COAT HOOK. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. LIMIT OPENINGS BETWEEN PANELS, DOORS AND PILASTERS TO LESS THAN 1/2". ADJUST HARDWARE, CLEAN, AND PROTECT WORK.

10200 PROVIDE LOUVERS AND VENTS INCLUDING ALUMINUM LOUVERS FOR EXTERIOR WALLS, AND SOFFIT AND EAVE VENTS. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE FORMED SHEET METAL LOUVERS WITH STATIONARY, HORIZONTAL STORMPROOF BLADES, 16 GAGE GALVANIZED STEEL MINIMUM, INSECT SCREEN; AIROLITE CO. OR APPROVED EQUAL. FINISH LOUVERS IN FLUOROPOLYMER FINISH, 2-COAT, KYNAR 500 OF COLOR AS SELECTED BY ARCHITECT. VENTS SHALL BE EXTRUDED OR BENT ALUMINUM LOUVERS AND FRAMES, WITH PAINTABLE FINISH. COMPLY WITH AMCA STANDARD 500 AND PROVIDE UNITS WITH AMCA CERTIFICATION RATING SEAL. COMPLY WITH SMACNA ARCHITECTURAL SHEET METAL MANUAL EXCEPT AS OTHERWISE INDICATED. TAKE FIELD MEASUREMENTS PRIOR TO FABRICATION. INSTALL UNITS PLUMB AND LEVEL; ISOLATE DISSIMILAR MATERIALS TO PREVENT CORROSION. TOUCH-UP DAMAGED COATINGS. PROVIDE SEPARATE CONTINUOUS SILLS WHERE NEEDED TO PREVENT WATER PENETRATION. MAINTAIN EQUAL BLADE-TO-BLADE AND BLADE-TO-FRAME SPACING FOR UNIFORM APPEARANCE. PROVIDE CONCEALED VERTICAL MULLIONS AND REINFORCEMENT AS NEEDED. PROVIDE ANCHORS, SUPPORTS AND ACCESSORIES AS NEEDED. PROVIDE GASKETS, FLASHINGS AND FILLERS AS NECESSARY TO MAKE INSTALLATION WATER TIGHT.

10425 PROVIDE SPECIALTY BUILDING SIGNAGE AS INDICATED ON THE DRAWINGS AND AS REQUIRED BY CODE FOR THE PHYSICALLY IMPAIRED. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PANEL SIGNS SHALL BE VOMAR PRODUCTS OR APPROVED EQUAL: FRAMED TYPE, ACRYLIC PLASTIC FABRICATION, ENGRAVED COPY GRAPHICS. METAL LETTERS AND NUMBERS SHALL BE ALUMINUM, FABRICATED UNITS WITH COLOR ANODIZED FINISH AS MANUFACTURED BY LYNN SIGN COMPANY OR APPROVED EOUAL. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. RESTORE DAMAGED FINISHES. CLEAN AND PROTECT WORK FROM DAMAGE.

10520 FIRE EXTINGUISHER SHALL BE LARSON'S MANUFACTURING CO. DRY CHEMICAL TYPE MODEL MP10 STEEL TANK WITH PRESSURE GAUGE CLASS A,B,C HAVING A 10 LB. CAPACITY. FIRE EXTINGUISHER CABINETS SHALL BE LARSON'S OCCULT SERIES MODEL NO. T-O-AL4016-R FORMED SHEET STEEL PRIMED RECESSED TYPE CABINET SIZED TO ACCOMMODATE FIRE EXTINGUISHER. PROVIDE 5/16" FLAT TRIM, VERTICAL STYLE DOOR, SOLAR GRAY GLASS, AND EXTINGUISHER BRACKET. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

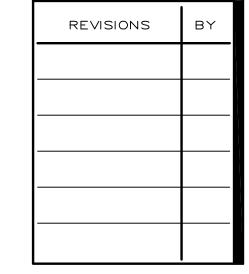
10801 TOILET AND BATH ACCESSORIES SHALL BE AS SCHEDULED ON THE PLANS AND SHALL BE BY BOBRICK WASHROOM EQUIPMENT INC., OR ARCHITECT APPROVED EQUAL. ALL PRODUCTS SHALL BE FABRICATED IN STAINLESS STEEL AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS TO SATISFY THE REQUIREMENTS OF THE ADA AND APPLICABLE CODES. CONTRACTOR SHALL SUBMIT AN ACCESSORIES SCHEDULE TO ARCHITECT FOR REVIEW PRIOR TO PLACING ORDERS. CONTRACTOR SHALL INSTALL INTERNAL WALL REINFORCEMENT AS REQUIRED TO RECEIVE ACCESSORIES ANCHORAGE.

11450 PROVIDE RESIDENTIAL APPLIANCES FOR WARMING KITCHEN APPLICATION AS INDICATED ON THE DRAWINGS. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA, WARRANTY. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CONTRACTOR TO COORDINATE UTILITY SERVICE AS AVAILABLE AT THE BUILDING. REQUIRED APPLIANCES INCLUDE MICROWAVE OVENS, REFRIGERATOR/FREEZERS, UNDERCOUNTER REFRIGERATORS, HOT WATER DISPENSERS AND FOOD WASTE DISPOSERS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. RESTORE DAMAGED FINISHES AND TEST FOR PROPER OPERATION. CLEAN AND PROTECT WORK FROM DAMAGE.

12356 PROVIDE KITCHEN CABINETS AS INDICATED ON THE DRAWINGS. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CABINETS SHALL BE CONSTRUCTED AND FINISHED AS DESIGNED AND DETAILED BY ARCHITECT AND/OR INTERIOR DESIGNER. LAMINATED CABINET BODIES SHALL BE 3/4 INCH THICK PARTICAL BOARD AND ALL LAMINATED COUNTERTOPS SHALL BE 3/4 INCH THICK PLYWOOD. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. ANCHOR SECURELY IN PLACE; COORDINATE WITH COUNTERTOP INSTALLATION. ADJUST AND LUBRICATE HARDWARE. RESTORE DAMAGED FINISHES AND TEST FOR PROPER OPERATION. CLEAN AND PROTECT WORK FROM DAMAGE.

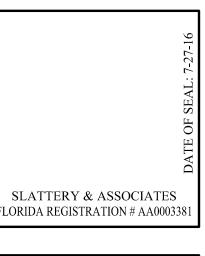
12375 PROVIDE PREFABRICATED KITCHEN CABINETS AS INDICATED ON THE DRAWINGS. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CABINETS SHALL BE CONSTRUCTED AND FINISHED AS DESIGNED AND DETAILED BY INTERIOR DESIGNER. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. ANCHOR SECURELY IN PLACE; COORDINATE WITH COUNTERTOP INSTALLATION. ADJUST AND LUBRICATE HARDWARE. RESTORE DAMAGED FINISHES AND TEST FOR PROPER OPERATION. CLEAN AND PROTECT WORK FROM DAMAGE.

12500 PROVIDE WINDOW TREATMENT INCLUDING HORIZONTAL BLINDS, VERTICAL BLINDS, DRAPERY TRACK, AND/OR SOLAR-CONTROL SHADES AS SELECTED BY INTERIOR DESIGNER. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA, MOCK-UPS, WARRANTY, EXTRA STOCK. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. TAKE FIELD MEASUREMENTS PRIOR TO FABRICATION TO ENSURE FIT. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE. COORDINATE WITH WORK OF OTHER SECTIONS. RESTORE DAMAGED FINISHES AND TEST FOR PROPER OPERATION. CLEAN AND PROTECT WORK FROM DAMAGE.





# WOODFIELD HUNT CLUB CLUBHOUSE RENOVATION AND EXPANSION 4420 WOODFIELD BLVD. BOCA RATON, FLORIDA



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SPECIFICATIONS

### WOODFIELD HUNT CLUB

### GENERAL NOTES:

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT ARCHITECTURAL DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS. APPLICABLE BUILDING CODE STANDARDS: FBC-R 2014, 5th EDITION ACI 318-11, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 530-11/ASCE 5-11, AISI SPECIFICATION FOR THE DESIGN OF

COLD-FORMED STEEL STRUCTURAL MEMBERS 2011, ASCE 7-10 AND AISC SPECIFICATIONS ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. DO NOT SCALE THE DRAWINGS. FOLLOW WRITTEN DIMENSIONS ONLY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PART OF THE WORK.

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PRO-CEDURES AND SEQUENCES TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS WORK INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS.

THE CONTRACTOR SHALL SUPPLEMENT THE MINIMUM REQUIRED FOUNDATION AND SITE PREP-ARATION REQIREMENTS AND SLAB-ON-GRADE THICKNESS TO HANDLE CONSTRUCTION LOADS.

DESIGN LOADS: ROOF: 30 psf LIVE LOAD 40 psf DEAD LOAD 25 psf DEAD LOAD 25 psf BALCONY LIVE LOAD

60 psf DESIGN WIND SPEED = 170 mph (78.3 m/s) 3-SECOND GUST (ASCE 7-10 (FBC R2014) EXPOSURE C, RISK CATEGORY II)

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRAC-TOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH,

ELEVATIONS, DIMENSIONS, ETC. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED. SHOP DRAWINGS IN THE FORM OF REPRODUCIBLE SEPIAS OF STRUCTURAL DRAWINGS (CON-TRACT DOCUMENTS) ARE PROHIBITED WITHOUT THE EXPRESS WRITTEN PERMISSON FROM

THE ENGINEER. IN ALL INSTANCES, THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS CHECKED, UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER.

FOUNDATION/SITE PREPARATION:

FOOTINGS WERE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2,500 PSF. FOOTING EXCAVATIONS AND SLAB SUBGRADE SHALL BE COMPACTED TO A DRY DENSITY OF AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY, DETERMINED IN ACCORDANCE WITH ASTM D-1557. TREAT ALL SOIL FOR TERMITE PROTECTION.

THE OWNER SHALL RETAIN THE SERVICES OF AN INDEPENDENT GEOTECHNICAL ENGINEER TO VERIFY SUCCESSFUL COMPLETION OF SITE PREPARATION EFFORTS. LOCATIONS FAILING TO MEET THE GEOTECHNICAL ENGINEER'S REQUIREMENTS SHALL BE RECTIFIED AND RETESTED AT THE CONTRACTOR'S EXPENSE, AND AS DIRECTED BY THE ENGINEER. WRITTEN CERTIFICATION THAT THE MINIMUM DESIGN DESIGN CAPACITY, AND THAT THE SITE REQUIREMENTS HAVE BEEN MET SHALL BE MADE BY THE GEOTECH. ENGINEER.

CONCRETE SHALL ACHIEVE MINIMUM 28 DAY COMPRESSIVE STRENGTHS AS FOLLOWS: 2,500 PSI REGULAR WEIGHT FOR FOOTINGS, AND SLAB-ON-GRADE 3,000 PSI REGULAR WEIGHT FOR BEAMS, COLUMNS

CONTRACTOR SHALL SUBMIT PROPOSED MIX DESIGNS, WITH HISTORICAL STRENGTH DATA FOR EACH SEPARATE MIX PRIOR TO CONCRETE PLACEMENT. CONCRETE SLUMP SHALL NOT EXCEED 5" +/- 1" PRIOR TO THE ADDITION OF PLASTICIZER.

CONCRETE SHALL COMPLY WITH ALL THE REQUIREMENTS OF ACI 301 AND ASTM C-94 FOR MEASURING, MIXING, TRANSPORTING, ETC. CONCRETE TICKETS SHALL BE TIME-STAMPED WHEN CONCRETE IS BATCHED. THE MAXIMUM TIME ALLOWED FROM WHEN WATER IS ADDED TO THE MIX UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED 90 MINUTES. IF FOR ANY REASON THERE IS A DELAY SUCH THAT A BATCH IS HELD FOR LONGER THAN 90 MINUTES, THE CONCRETE SHALL NOT BE PLACED. IT SHALL BE THE RESPONSIBILITY OF THE TESTING LABORATORY TO NOTIFY THE OWNER'S REPRESENTATIVE AND THE CONTRAC-TOR OF ANY NONCOMPLIANCE WITH THE ABOVE.

REQUIRED CONCRETE COVERAGE OVER REBAR SHALL BE AS FOLLOWS:

A. 3" FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ( FOUNDATIONS):

B. FOR CONCRETE EXPOSED TO EXTERIOR WEATHER: 1-1/2" FOR #5 AND SMALLER

2" FOR #6 AND LARGER

C. FOR CONCRETE NOT EXPOSED TO WEATHER:

3/4" FOR SLABS, WALLS, AND JOISTS 1-1/2" FOR BEAM AND COLUMN PRIMARY REINF., TIES, STIRRUPS

FORMWORK, SHORING, AND BRACING FOR ALL CONCRETE BEAMS, SLABS, COLUMNS, WALLS, AND FOOTINGS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ACI 347, "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK".

EXCLUSIONS FROM THESE PLANS

WATERPROOFING, FLASHING, SOUND ISOLATION, FIRE SEPARATION, OR OTHER NON-STRUCTURAL ITEMS ARE NOT PART OF THESE PLANS AS THEY ARE NOT CONSIDERED TO BE STRUCTURAL. DEPENDING ON THE TYPE OF CONSTRUCTION THESE ITEMS SOME OR ALL MAY BE REQUIRED BUT ARE BY OTHERS.

WELDED WIRE MESH:

WELDED WIRE MESH, SHALL BE ASTM A185, GRADE 65, FREE FROM OIL, SCALE, AND RUST, AND SHALL BE PLACED IN ACCORDANCE WITH THE ACI TYPICAL DETAILS. MINIMUM LAP SHALL BE ONE SPACE PLUS TWO INCHES. WIRE MESH FOR SLABS SHALL BE SUPPORTED W/ 2" CHAIRS SPACED 3'-0" OC, EACH WAY REINFORCING STEEL:

REBAR SHALL BE ASTM A615 GRADE 60 DEFORMED BARS, FREE FROM OIL, SCALE, AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAM AND PLACING DETAILS OF THE ACI STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL SUBMIT REBAR SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. HORIZONTAL AND VERTICAL BARS SHALL LAP 6 x BAR NO., SEE LAP SPLICE SCHEDULE. UNSCHEDULED FIELD LAPS ARE SUBJECT TO ENGINEER'S REVIEW.

TENSION LAP SPLICE SCHEDULE

121101011	<u> </u>				
		PLAN REINFOR	RCEMENT		
	MASONRY	OTHER THAN TOP BARS		TOP BARS	
BAR #	SPLICE LENGTH	(3000 PSI ) (	4000 PSI)	(3000 PSI ) (4000 PSI)	
3	-	16"	16"	21"	18"
4	24"	22"	19"	28"	24"
5	30"	27"	23"	35"	30"
6	36"	35"	31"	46"	40"
7	42"	48"	42"	63"	54"

PROVIDE  $36" \times 36"$  CORNER BARS, BOND BEAM ONLY, LAPPED AND TIED TO EACH BEAM REBAR, SEE DETAILS FOR ADDITIONAL INFORMATION.

ALL BLOCK WALLS SHALL BE TWO-CELL HOLLOW CONCRETE MASONRY REGULAR SIZE BLOCK MANUFACTURED IN CONFORMANCE WITH ASTM C-90, GRADE N, f'm = 1500 psi. BLOCK SHALL BE PLACED USING RUNNING BOND UNLESS OTHERWISE NOTED. LAY-UP MASONRY WALLS TO BOTTOM OF TIE BEAMS BEFORE PLACING CONCRETE FOR IN-WALL COLUMNS. GROUT USED TO FILL MASONRY CELLS SHALL COMPLY WITH ASTM C-476, AND SHALL PROVIDE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 psi AT 28 DAYS. THE GROUT MIX SHALL HAVE A MAXIMUM 3/8" COARSE AGGREGATE, AND SHALL BE PLACED WITH A SLUMP OF 8" TO 10". PLACE GROUT IN ACCORDANCE W/ ACI 530-08. TYPE S MORTAR SHALL BE USED EXCLUSIVELY ON THIS PROJECT. MORTAR SHALL BE PROPORTIONED AND MIXED AS OUTLINED UNDER ASTM C-270. HORIZONTAL AND VERT. MORTAR JOINTS SHALL BE 3/8" THICK UNLESS OTHERWISE NOTED. REMOVE MORTAR PROTRUSIONS THAT EXTEND INTO CELLS TO BE FILLED.

HORIZONTAL MORTAR JOINTS SHALL BE REINFORCED WITH STANDARD 9 GAGE LADUR-TYPE DUR-O-WAL (ASTM CLASS B-2, HOT-DIPPED GALVANIZED) AT ALTERNATE COURSES (16" ON CENTER), UNLESS OTHERWISE NOTED. JOINT REINFORCEMENT SHALL BE CONTINUOUS AND SHALL LAP A MINIMUM 8".

LAP VERTICAL REBAR 6 x BAR NO., U.O.N.

MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM WITH ALL REQUIREMENTS OF THE "SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-11/ASCE 6-11/TMS 602-11), AS PUBLISHED BY THE MASONRY STANDARDS JOINT COMMITTEE.

WOOD TRUSSES

TO BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE "NATIONAL DESIGN SPEC-IFICATIONS FOR STRESS-GRADE LUMBER AND ITS FASTENINGS" BY THE NFPA. TRUSS DESIGNS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN FLORIDA. SEE NOTES FOR SHOP DRAWINGS.

CONNECTOR PLATES SHALL BE A MINIMUM THICKNESS OF 0.036" AND BE MANUFACTURED FROM STEEL MEETING THE REQUIREMENTS OF ASTM A446, GRADE A, AND SHALL BE HOT-DIPPED GALVANIZED.

HANDLING, ERECTION AND BRACING OF TRUSSES SHALL BE IN ACCORDANCE WITH TRUSS

PLATE INSTITUTE RECOMMENDATIONS TPI'S TPI/WTCA BCSI 1. HURRICANE STRAPS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS OF ALTERNATE CONNECTION

DETAILS AT TRUSSES/GIRDERS TO COLUMNS AND WALLS FOR APPROVAL. THE LOCATIONS OF GIRDERS AND TRUSSES SHOWN ON THE ROOF FRAMING PLAN WERE USED TO FACILITATE DESIGN OF FOUNDATIONS, WALLS, AND BEAMS. THE CONTRACTOR SHALL SUBMIT TRUSS SHOP DRAWINGS FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION. THE TRUSS FABRICATOR SHALL PROVIDE ENGINEERED SHOP DRAWINGS OF EACH INDIVIDUAL TRUSS AND A FULLY DIMENSIONED ERECTION PLAN SHOWING COMPONENT LAYOUT. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER.

THE HURRICANE STRAPS SPECIFIED ON THE WALL SECTIONS AND PLANS ARE PROVIDED TO FACILITATE THE CONSTRUCTION SCHEDULE, AND MAY CHANGE PREDICATED ON THE TRUSS AND GIRDER REACTIONS PROVIDED BY THE TRUSS ENGINEER.

THE TRUSS TO STRUCTURE CONNECTIONS AND LOADS SPECIFIED ON THIS PLAN SHALL SUPERCEDE THOSE OF THE DELEGATED TRUSS ENGINEER. WIND UPLIFT VALUES HAVE BEEN BASED ON ASCE 7-10 COMPONENT AND CLADDING WIND LOAD PRESSURES. THE DELEGATED TRUSS ENGINEER SHALL BE RESPONSIBLE FOR ALL TRUSS TO TRUSS CONNECTIONS.

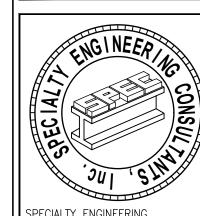
ALL WOOD FOR BEAMS, BEARING WALLS, SOLE PLATES, TOP PLATES, BLOCKING, BRACING, LEDGERS CRIPPLES, SILLS, ETC., SHALL BE SOUTHERN PINE NO. 2, KD-15, OR BETTER. Fb = 1200 PSI. ALL WOOD IN CONTACT WITH CONCRETE OR CONCRETE BLOCK SHALL BE PRESSURE TREATED. WOOD FOR NON-STRUCTURAL USES SHALL BE RATED TO RETENTION LEVELS OF 0.25 PCF OF A BORATE PRESERVATIVE TREATMENT: DISODIUM OCTOBORATE TETRAHYDRATE (DOT). WOOD FOR STRUCTURAL USE THAT SHALL BE TREATED FOR ANY REASON SHALL BE RATED TO RETENTION LEVELS OF 0.42 PCF OF DOT OR MORE. NAILS, SPIKE, BOLTS USED W/ DOT SHALL BE HOT DIPPED GALV. FOR STRUCTURAL USES, AVOID BUYING TREATED LUMBER THAT CONTAINS MORE THAN 1/2" OF HEARTWOOD.

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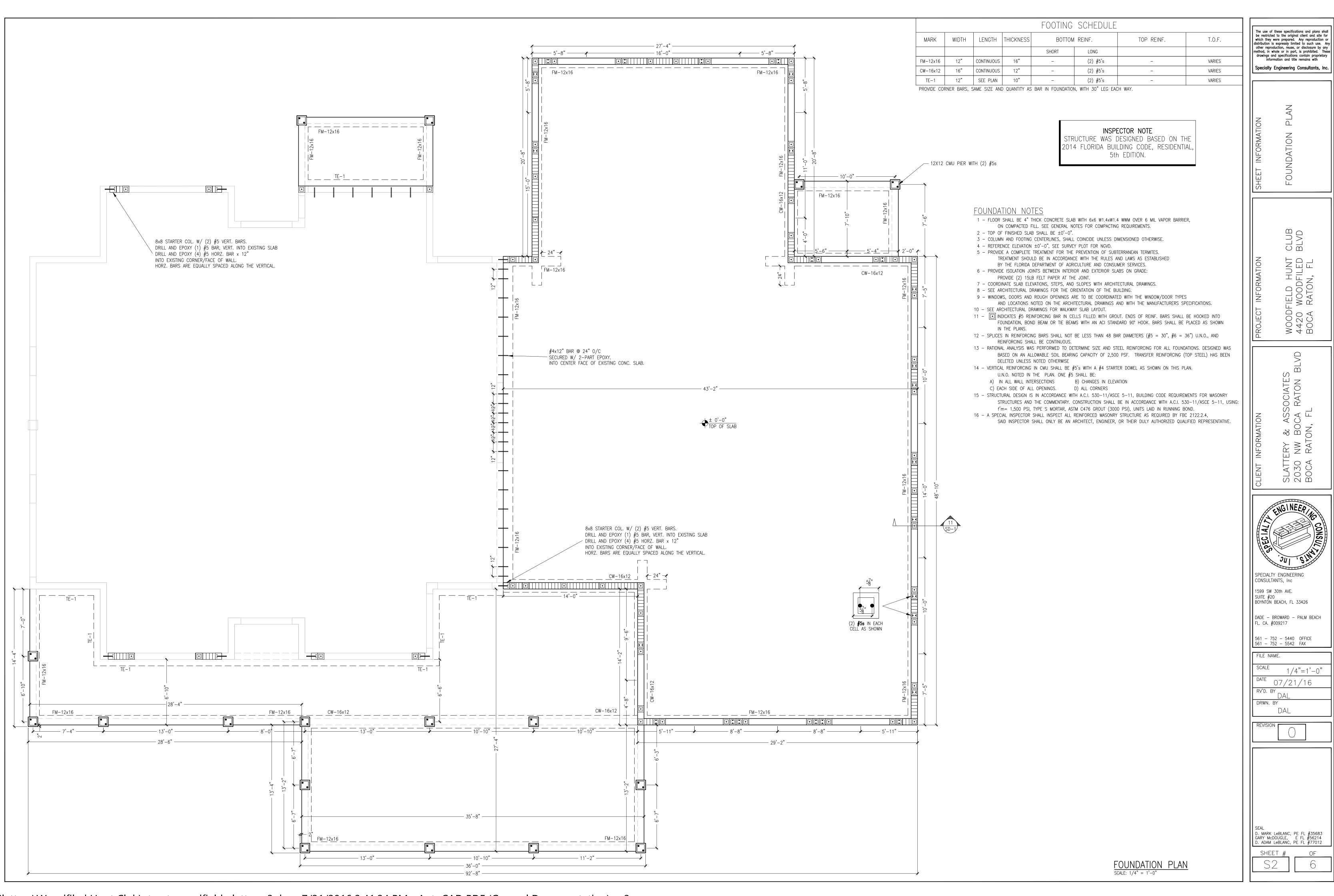
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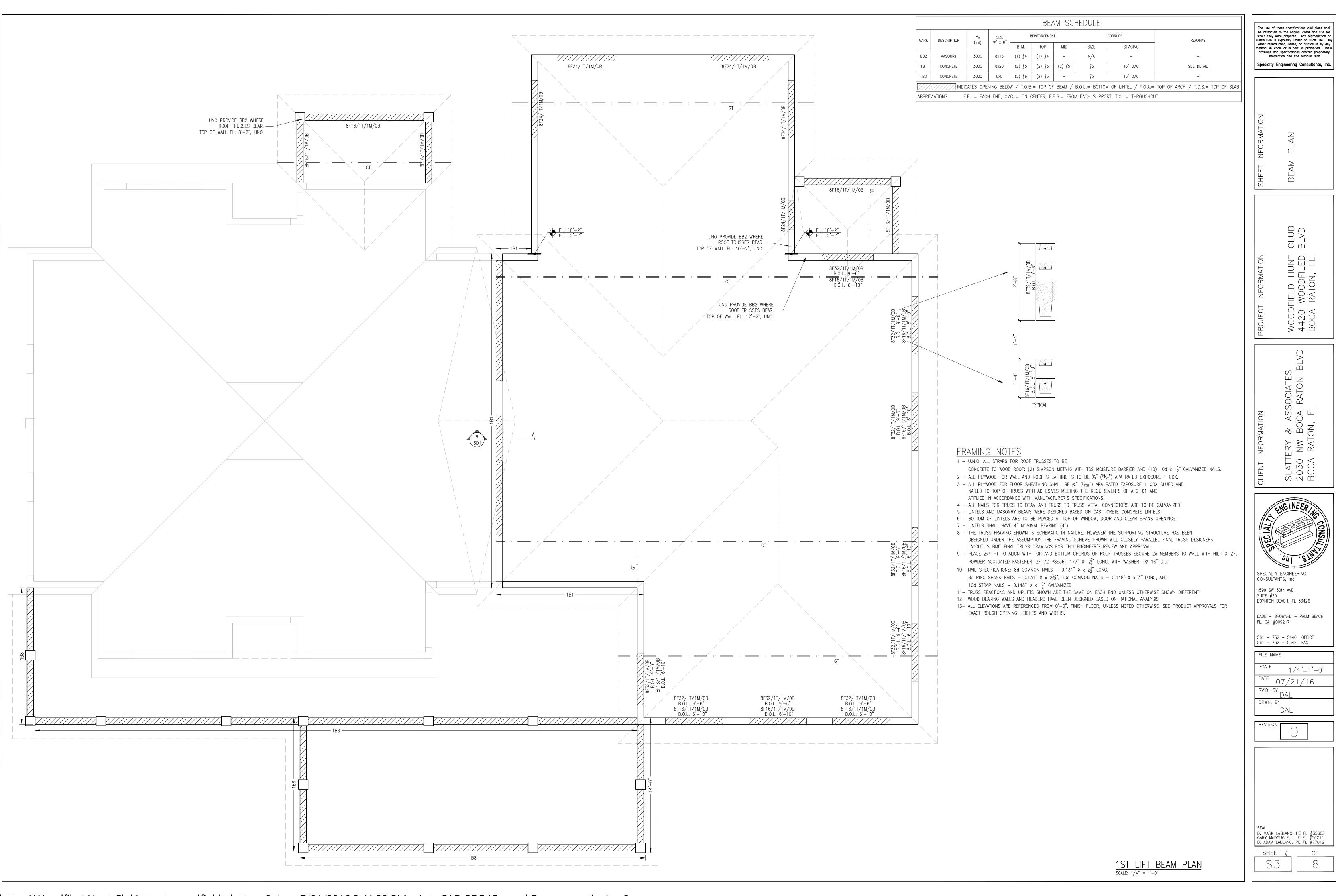
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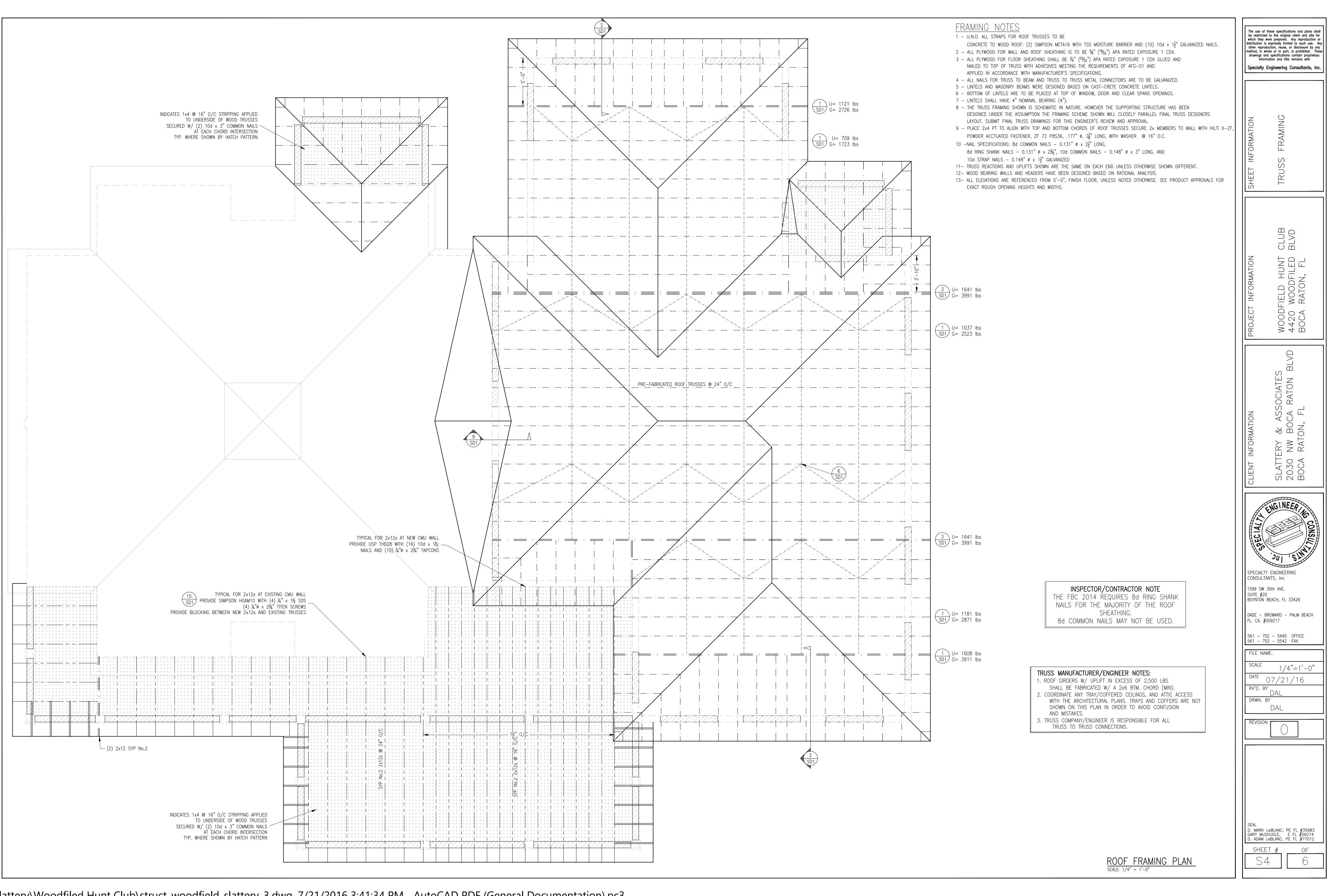
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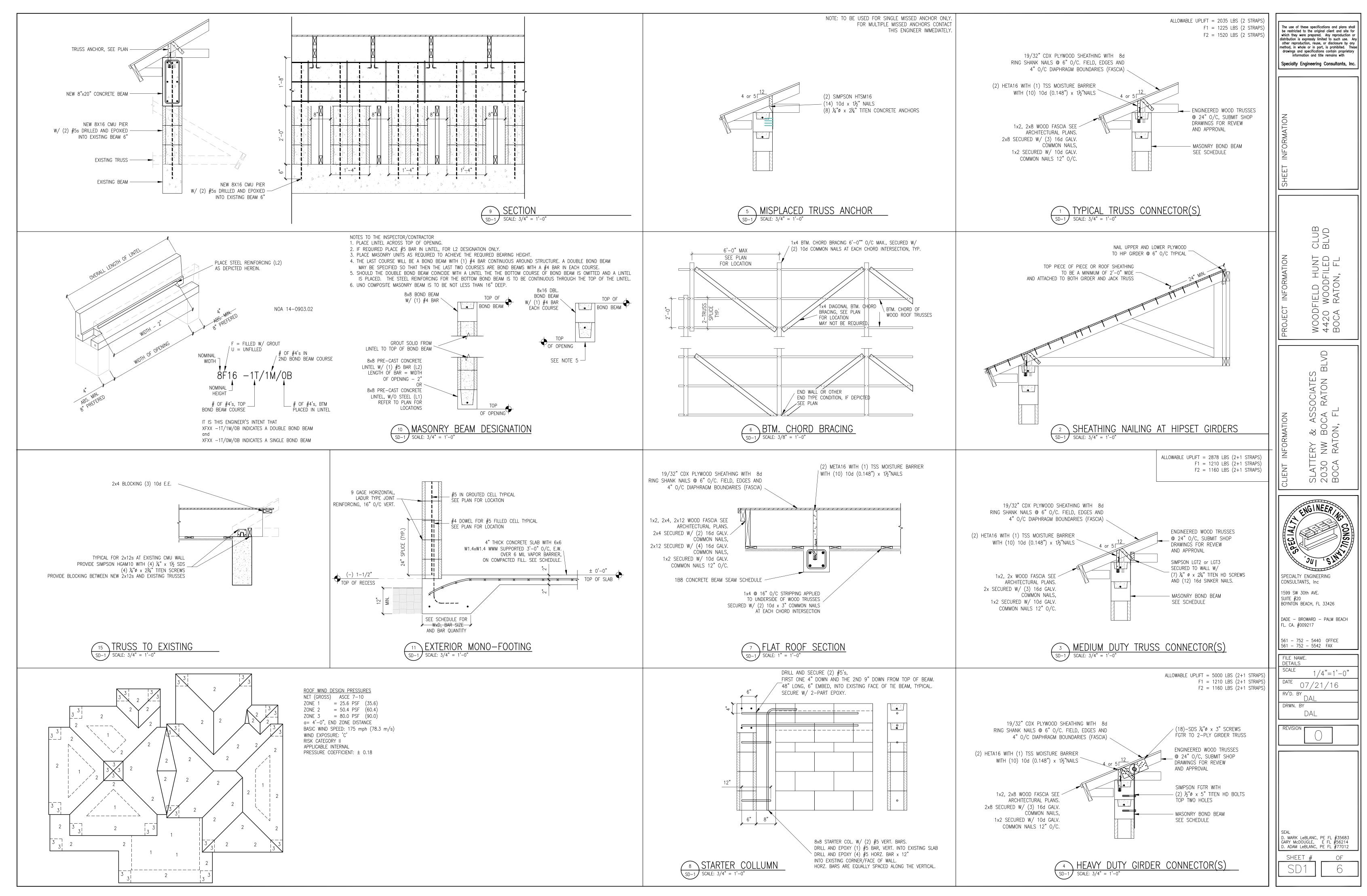
D. MARK LeBLANC, PE FL #35683 GARY McDOUGLE. E D. ADAM LeBLANC. PE FL #77012

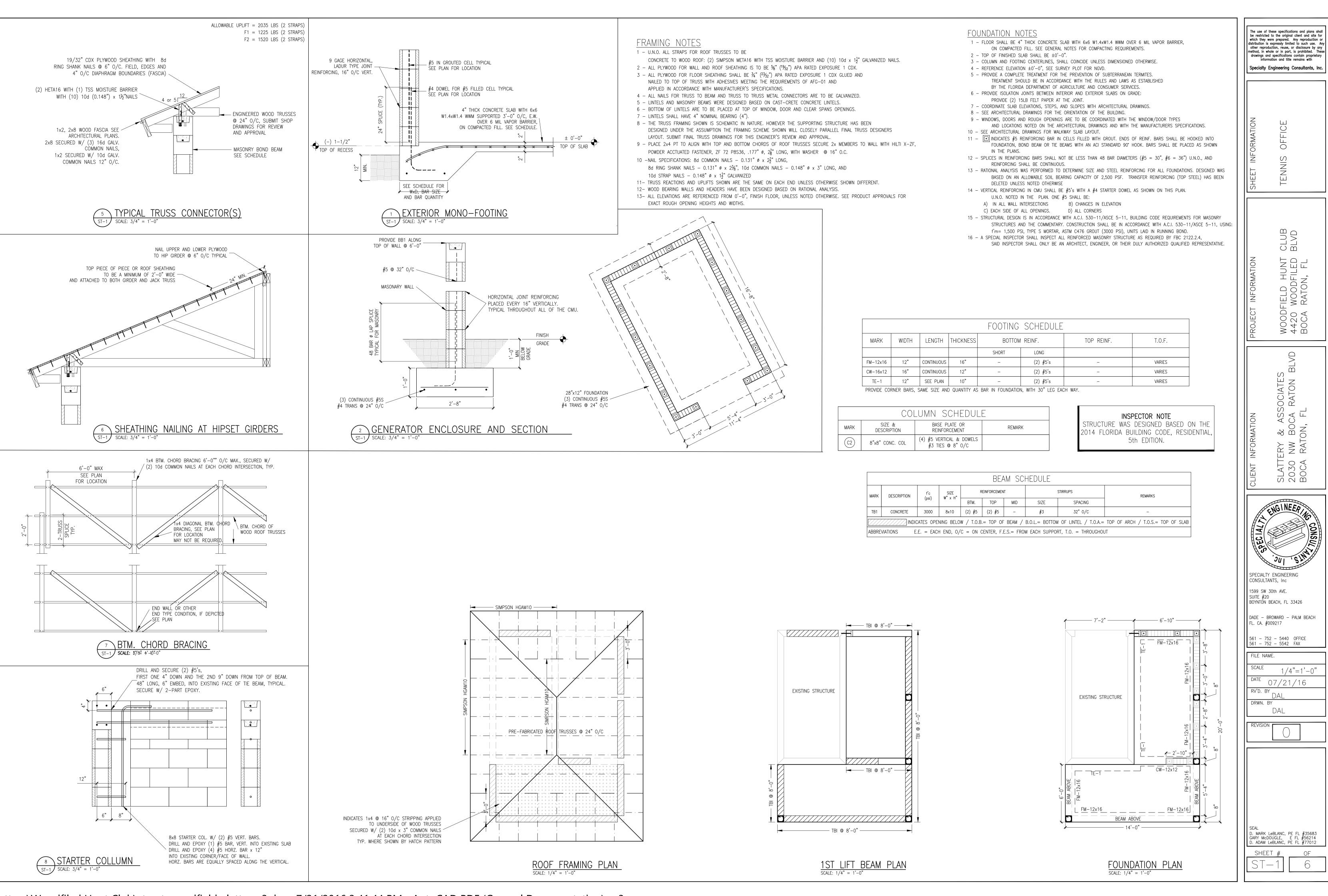
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### **CONTRACTOR GENERAL CONDITIONS NOTES**

1. RFI'S- CONTRACTOR SHALL SUBMIT RFI'S WITH HIS PROPOSED SOLUTION IN A TIMELY MANNER. RECOGNIZES THE CONSULTANT SHALL REQUIRE UP TO 5 WORKING DAYS TO RESPOND.

2. SUBMITTALS AND PRODUCT DATA- CONTRACTOR SHALL PREPARE A SUBMITTAL SCHEDULE FOF APPROVAL BY THE A/E. CONTRACTOR RECOGNIZES THE CONSULTANT SHALL REQUIRE UP TO 10 WORKING DAYS TO REVIEW SUBMISSIONS. ALL SUBMITTALS, PRODUCT DATA, SHALL BE CLEARLY STAMPED AND INDICATED APPROVED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE CONSULTANT.

3. SHOP DRAWINGS - CONTRACTOR SHALL PREPARE A SHOP DRAWING SCHEDULE FOR APPROVAL B THE A/E. CONTRACTOR RECOGNIZES THE CONSULTANT SHALL REQUIRE UP TO 10 WORKING DAYS TO REVIEW SHOP DRAWINGS. ALL SHOP DRAWINGS, SHALL BE CLEARLY STAMPED AND INDICATED APPROVED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE CONSULTANT.

4. LAYOUT AND COORDINATION DRAWINGS- CONTRACTOR SHALL PREPARE SCALED COMPREHENSIV COORDINATED LAYOUT DRAWINGS, PROVIDE SECTIONS, GENERAL ARRANGEMENTS, ELEVATIONS INCLUDING ALL DISCIPLINES FOR HIS PROPOSED LAYOUT AND ROUTING PRIOR TO FABRICATION. SUBMIT TO OWNER AND A/E FOR REVIEW AND GENERAL CONFORMANCE. PROVIDE DRAWINGS THA DEMONSTRATE VIA COORDINATED ELEMENTS AND SYSTEMS WITH STRUCTURE THAT CLEARLY INDICATE PROPOSED SYSTEMS WILL FIT, FUNCTION AS INTENDED, BE FREE OF INTERFERENCES AND CONFORM TO REQUIRED CODE AND MANUFACTURER WORKING AND MAINTENANCE CLEARANCES.

5. DEVIATIONS FROM BASIS FOR DESIGN SYSTEMS SHALL BE CLEARLY IDENTIFIED ON ALL SUBMISSIONS.

### 6. SUBSTITUTIONS:

A. CONTRACTOR SHALL PREPARE REQUESTS WITH COMPLETE COORDINATION INFORMATION, INCLU ALL CHANGES REQUIRED IN OTHER ELEMENTS OF THE WORK TO ACCOMMODATE THE SUBSTITUTION INCLUDING WORK PERFORMED BY THE OWNER AND THE SEPARATE CONTRACTORS

B. PROVIDE COMPLETE SUPPORTING DATA QUALIFYING THE SUBSTITUTION COMPARED TO THE BASIS OF DESIGN SYSTEM. PROVIDE A DETAILED LIST OF ANY VARIANCES, LIGHTING POWER DENSITY (LPD) SPACE BY SPACE CALCULATIONS, SPACE OR ROOM PHOTOMETRICS, PHYSICAL OI SPATIAL LAYOUTS, ELEVATIONS, ETC. TO THE BASIS OF DESIGN.

C. PROVIDE A STATEMENT INDICATING THE EFFECT THE SUBSTITUTION WILL HAVE ON THE WORK SCHEDULE IN COMPARISON TO THE SCHEDULE WITHOUT APPROVAL OF THE PROPOSED SUBSTITUTION, INCLUDE INFORMATION REGARDING THE EFFECT OF THE PROPOSED SUBSTITUTI ON THE CONTRACT TIME.

D. PROVIDE CERTIFICATION BY THE CONTRACTOR TO THE EFFECT THAT. IN THE CONTRACTOR'S OPTION, AFTER THOROUGH EVALUATION, THE PROPOSED SUBSTITUTION WILL RESULT IN WORK THAT IN EVERY SIGNIFICANT RESPECT IS EQUAL TO OR BETTER THAN THE WORK REQUIRED BY THE CONTRACTOR DOCUMENTS AND THAT IT WILL PERFORM ADEQUATELY IN THE APPLICATION

THE CONTRACTOR OR APPROVED BY THE OWNER SHALL BE COMPENSATED TO THE CONSULTAN

E. CONSULTANT'S EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY

BY THE CONTRACTOR.

7. AS BUILDS- THE CONTRACTOR SHALL MAINTAIN AND PREPARE A COMPLETE AND ACCURATE SET OF AS BUILDS DURING THE PROJECT AND ISSUE TO THE A/E AND OWNER AT PROJECT CLOSEOUT DURING THE COURSE OF THE PROJECT, THE CONTRACTOR SHALL DOCUMENT, ISSUE SKETCHES OR SCALED DRAWINGS FOR FIELD CHANGES THAT ARE PROPOSED OR MADE WHICH VARY FROM THE BASIS OF DESIGN. CONSULTANT EXPENSES THAT ARE INCURRED DUE TO SERVICES OR REVISIONS REQUIRED BY BUILDING DEPARTMENT, OWNER, CONTRACTOR, MANUFACTURER SHALL BE COMPENSABLE TO THE CONSULTANT BY THE CONTRACTOR.

8. INSTALLATION, TESTING AND BALANCING, START UP, COMMISSIONING AND PERFORMANCE TROUBLESHOOTING OF SYSTEMS- CONTRACTOR RECOGNIZES HE IS SOLELY RESPONSIBLE FOR PERFORMANCE AND COMPLETION OF THESE SERVICES AS PART OF THE PROJECT REQUIREMENTS. DURING THE COURSE OF THE PROJECT, THE CONTRACTOR SHALL DOCUMENT THE SERVICES COMPLETED TO THE OWNER AND A/E. CONSULTANT EXPENSES THAT ARE INCURRED DUE TO SUPPORTING SERVICES OR REVISIONS REQUIRED BY BUILDING DEPARTMENT, OWNER, CONTRACT MANUFACTURER SHALL BE COMPENSABLE TO THE CONSULTANT BY THE CONTRACTOR.

			AIR DEV	ICE SCHE	DULE		
UNIT TAG	MFGR & MODEL	CFM RANGE	FACE SIZE	FRAME	THROW	ACCESS.	REMARKS
А	TITUS 250-AA	226-300	12×12	LAY-IN	6-9-14	-	-
В	TITUS 250-AA	151-225	10×10	SURFACE MTD.	7 – 11 – 17	-	-
C	TITUS 250-AA	91–150	8x8	SURFACE MTD.	6-9-15	-	-
D	TITUS 250-AA	0-75	6x6	SURFACE MTD.	6-9-15	-	-
F	TITUS 250-AA	226-300	12×12	SURFACE MTD.	6-9-14	-	-
RA	TITUS 350FL	-	SEE PLANS	SURFACE MTD.	-	-	-

1) AIR DEVICE SIZES & SCHEDULE AIRFLOW ARE AT THIS SCHEDULE UNLESS OTHERWISE NOTICED ON

HVAC FLOOR PLANS. 2) BRANCH & OPTIONAL BRANCH DUCT SIZES ARE AT THIS SCHEDULE UNLESS OTHERWISE NOTICED ON

HVAC FLOOR PLANS. 3) MAXIMUM PRESSURE DROP FOR ALL AIR DEVICES SHALL NOT EXCEED 0.10 IN. W.C.

4) ALL AIR DEVICES SHALL BE WHITE UNLESS OTHERWISE NOTICED. COORDINATE WITH ARCHITECT.

5) MAXIMUM NC FOR ALL DEVICES SHALL NOT EXCEED 20. 6) ALL AIR DEVICES SHALL BE ALUMINUM CONSTRUCTION UNLESS OTHERWISE NOTICED.

7) THROW VALUES ARE GIVEN FOR TERMINALS VELOCITIES OF 150, 100 & 50 FPM RESPECTIVELY.

8) COORDINATE BORDER TYPE FOR LINEAR GRILLES WITH OWNER/ARCHITECT.

9) COORDINATE BORDER TYPE FOR LINEAR GRILLES WITH OWNER/ARCHITEC

10) UNLESS INDICATED OTHERWISE, LAY-IN TYPE REGISTERS & DIFFUSERS INSTALLED IN GYPSUM BOARD CEILINGS SHALL BE PROVIDED WITH RAPID MOUNT FRAME, MODEL TITUS TRM OR EQUAL.

			(	OUTDOOR	AIR CALCULAT	TIONS		
UNIT	SPACE TYPE	SQFT	OCCUPANCY DENSITY PER 1000 SQFT	ESTIMATED OCCUPANCY	VENTILATION RATE CFM/PERSON	VENTILATION RATE CFM/SQFT	MININUM OUTDOOR AIR REQUIRED (CFM)	OUTDOOR AIR PROVIDED (CFM)
	105 NEW FITNESS ROOM	1480	10	8	0	0.12	177.6	
	103 NEW VESTIBULE	50.0	-	-	0	0.12	6.0	
	107 NEW VESTIBULE	69.0	-	-	0	0.12	8.3	
AHU-1	108 NEW UNISEX RR1	66.0	-	-	0	0.12	0	208.0
	108 NEW UNISEX RR2	66.0	-	-	0	0.12	0	
	110 NEW EQUIP. CLOSET	117.0	-	-	0	0.12	14.0	
	111 AHU CLOSET	13.0	-	-	0	0.12	1.6	
REMARKS:				<u>,                                      </u>		TOTALS	207.5	208.0

- . OCCUPANT DENSITIES AND VENTILATION RATES BASED ON TABLE 403.3 OF THE 2014 FLORIDA MECHANICAL CODE. ACTUAL OCCUPANCY BASED ON INFORMATION PROVIDED BY OWNER AND/OR
- ALL DUCTWORK SHALL BE KEPT SEALED TO PREVENT CONTAMINATION BY DUST OR OTHER DEBRIS DURING CONSTRUCTION. SEAL THE END OF DUCTWORK WITH PLASTIC SHEETING AND DUCT TAPE. PROTECT ALL DUCTWORK STORED ON-SITE PRIOR TO FABRICATION AND INSTALLATION IN A SIMILAR FASHION.
- ALL EQUIPMENT SHALL BE SUPPLIED AND INSTALLED WITH PROVISIONS FOR IN-PLACE CLEANING AND MAINTENANCE TASKS IN ACCORDANCE WITH THE REQUIREMENTS OF ASHRAE STANDARD
- CHANGE IN SPACE USE, CONTAMINANTS, OR OPERATION MAY REQUIRE A RE-EVALUATION OF THE DESIGN AND IMPLEMENTATION OF NEEDED CHANGES.

### HVAC GENERAL NOTES

HVAC DRAWINGS ARE DIAGRAMMATICAL IN NATURE: DO NOT SCALE FOR EXACT LOCATIONS. THE AIR CONDITIONING CONTRACTOR SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS AS REQUIRED TO PROVIDE A COMPLETE AND FULLY OPERATIVE SYSTEM.

. DUE TO DRAWINGS BEING DIAGRAMMATICAL IN NATURE. RISERS AND DROPS ARE NOT SHOWN - CONTRACTOR SHALL INCLUDE THESE IN THE BID. WHERE POSSIBLE ALL RISERS AND DROPS SHALL BE CONSTRUCTED USING 45 DEGREE OR LONG

B. PROVIDE AND INSTALL NECESSARY DUCTWORK TRANSITIONS AND PIPING INCREASERS/REDUCERS AS REQUIRED FOR EQUIPMENT CONNECTIONS. CONSULT MANUFACTURER'S DATA FOR ACTUAL DUCTWORK AND PIPING CONNECTIONS SIZES, INCLUDING, BUT NOT LIMITED TO THOSE SHOWN.

4. IT SHALL BE THE RESPONSIBILITY OF THE AIR CONDITIONING CONTRACTOR FOR THE ADVANCED ORDERING OF LONG LEAD ITEMS SO THAT DELIVERY WILL NOT INTERFERE 28. THE AIR CONDITIONING CONTRACTOR SHALL SEAL ALL DUCTS IN AN APPROVED WITH THE PRODUCTION OF OTHER TRADES RESULTING IN ANY DOWN OR LAG TIME.

IT SHALL BE THE RESPONSIBILITY OF THE AIR CONDITIONING CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS, AND SUPERVISION NECESSARY TO ACCOMPLISH

THE WORK SHOWN AND/OR NOTED ON THE DRAWINGS. ALL DIMENSIONS ARE IN PHYSICAL UNITS OF INCHES UNLESS OTHERWISE NOTED.

ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR SHALL NOTIFY ENGINEER IF DUCT SIZE CHANGES ARE REQUIRED BECAUSE OF EXISTING CONDITIONS.

. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, TESTS, AND ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.

. AFTER BID SELECTION AND PRIOR TO COMMENCEMENT OF WORK, THE AIR CONDITIONING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DUCT WORK, EXHAUST FANS, AIR DEVICES, AND EQUIPMENT AS STATED ON SCHEDULES AND OR NOTES AHRI CERTIFICATES FOR ALL EQUIPMENT SHALL BE INCLUDED IN THE SUBMITTAL PACKAGE. IF THE CONTRACTOR PROPOSES TO USE ANY ARTICLE, DEVICE, PRODUCT, OR MATERIAL WHICH IS NOT AS SPECIFIED, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVE TO THE ENGINEER THAT THE PROPOSED SUBSTITUTION IS EQUAL AND WILL FIT ALLOCATED SPACE.

10. LOCATION OF AIR CONDITIONING DUCTS AND AIR DEVICES MAY CHANGE. VERIFY EXACT LOCATION WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION. DRAWINGS ARE DIAGRAMMATIC, DO NOT SCALE FOR THE EXACT LOCATION OF DUCTS, DIFFUSERS, GRILLES, REGISTERS, PIPING, EQUIPMENT, ETC. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF AIR DEVICES.

1. PROVIDE MANUAL VOLUME DAMPERS AT ALL LOW PRESSURE BRANCH DUCTS TO INDIVIDUAL DIFFUSERS AND GRILLES AND TO ALL LOW PRESSURE BRANCH DUCTS TO REHEAT COILS. PROVIDE DAMPERS AS CLOSE AS POSSIBLE TO BRANCH CONNECTION TO MAIN. SEE DIFFUSER AND GRILLE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

INTERFERENCE WITH OTHER TRADES; EXISTING CONDITIONS AND WITH THE STRUCTURE, INCLUDING, BUT NOT LIMITED TO, THOSE SHOWN. 3. DO NOT BLOCK TUBE PULL OR SERVICE SPACE ON EQUIPMENT WITH PIPING,

. NO PIPING, DUCTWORK, OR CONDUIT SHALL BE INSTALLED UNTIL IT IS COORDINATED

WITH ALL OTHER TRADES AFFECTED. PROVIDE ALL OFFSETS REQUIRED TO AVOID

DUCTWORK, ETC.. (FLANGED OR REMOVABLE SECTIONS MAY BE USED IN SOME INSTANCES WHERE TIGHT CLEARANCES EXISTS).

DIFFUSER AND GRILLE SCHEDULE. 15. DUCTWORK ROUTED PARALLEL TO A WALL, RATED OR CORRIDOR SHALL BE INSTALLED WITH MINIMUM 6" CLEARANCE TO ALLOW FOR INSPECTION OF WALL

COORDINATE. 6. REFER TO DETAIL SHEETS AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION

PENETRATIONS. CONTRACTOR SHALL PROVIDE 12" CLEARANCE WHERE POSSIBLE,

17. PROVIDE TEMPORARY FILTERS ON ALL RETURN AIR GRILLES AND TRANSFER

18. INSTALL AHU CONTROL PANELS TO PROVIDE FOR 3'-0" MIN. CLEARANCE IN FRONT OF . UNLESS OTHERWISE NOTED ON PLANS, LOW RETURN AIR GRILLES AND LOW

EXHAUST GRILLES SHALL BE 6" TO 8" A.F.F. TO BOTTOM OF GRILLE. 20. ALL DIFFUSERS IN SAME SPACE SHALL HAVE THE SAME FULL FACE SIZE USING

LARGEST SIZE REQUIRED FROM DIFFUSER AND GRILLE SCHEDULE. 21. PROVIDE CLEAR ACCESS TO FIRE DAMPERS, SMOKE DAMPERS, AND VALVES.

2. ALL WORK SHALL BE PERFORMED BY A LICENSED AIR CONDITIONING CONTRACTOR IN 44. IF ANY CONFLICTS OR DISCREPANCIES APPEAR IN THESE DOCUMENTS, THE MORE A FIRST CLASS WORKMANLIKE MANNER. ALL WORKMANSHIP AND MATERIALS SHALL STRINGENT OF THE REQUIREMENTS ARE TO BE TAKEN. BE IN STRICT ACCORDANCE WITH APPLICABLE NATIONAL. STATE AND LOCAL CODES

B. THE AIR CONDITIONING CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR TO ORIGINAL CONDITION ANY AND ALL DAMAGES TO BUILDING SURFACES, EQUIPMENT AND FURNISHINGS CAUSED BY THE CONTRACTOR DURING THE PERFORMANCE OF

AND ORDINANCES.

24. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.

25. THE PLUMBING CONTRACTOR SHALL RUN ALL CONDENSATE DRAINS PER PLUMBING SPECIFICATIONS. (SEE PLUMBING SHEETS)

26. COMBUSTIBLE PIPING IS NOT PERMITTED IN RETURN AIR PLENUMS OR CEILING SPACES USED FOR RETURN AIR.

27. THE AIR CONDITIONING CONTRACTOR SHALL USE RADIUS TURNS WITH A 1.5 CENTERLINE TO WIDTH RATIO (1.5 R/W), VANED ELBOWS, SPLITTER DAMPERS WHERE INDICATED, VOLUME CONTROLS IN ALL BRANCH LINES AND SUPPLY AND RETURN AIR DEVICES UNLESS (OTHERWISE NOTED IN AIR DEVICE SCHEDULE).

MANNER TO INSURE AGAINST LEAKAGE.

29. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID ANY CONFLICTS IN LOCATIONS FOR DUCTS, DIFFUSERS, GRILLES, REGISTERS, PIPING, EQUIPMENT, ETC., IN ORDER TO NOT INTERFERE WITH THE PROGRESS OF CONSTRUCTION.

30. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE FLEXIBLE DUCT CONNECTIONS TO ALL FANS, A/C UNITS, OR MECHANICAL EQUIPMENT, EXCEPT FOR EXHAUST

31. UNLESS NOTED AS EXISTING TO BE REUSED (E) OR RELOCATED (RE), ALL EQUIPMENT, PIPING, DUCTS, REGISTERS, ETC., SHALL BE NEW.

32. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR UNDERWRITERS LABEL (UL) WHERE APPLICABLE.

33. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE ALL CONTRACTORS, STARTERS, RELAYS, AND THERMOSTATS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS, POWER WIRING AND CONTROL WIRING. UNLESS NOTED OTHERWISE.

34. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE 1" THICK MERV 8 (THROW-AWAY TYPE) FILTERS WITH EACH A/C UNIT (UON).

35. ALL PENETRATIONS OF FIRE-RATED WALLS, FLOORS OR CEILINGS SHALL BE FIREPROOFED BY A SEALING METHOD AND RATING AS SPECIFIED ON THE DRAWINGS OR AS REQUIRED BY THE LOCAL OR STATE CODES.

36. AIR HANDLING DEVICES IN EXCESS OF 2000 CFM WILL HAVE A DUCT SMOKE DETECTOR TO STOP THE FAN AND ACTIVATE A HORN AND STROBE LIGHT. ALL EQUIPMENT SHALL BE INTERLOCKED AS REQUIRED BY LOCAL CODES OR FIRE SAFETY OFFICIALS.

37. ALL WORK SHALL COMPLY WITH BASE BUILDING LIFE SAFETY/SMOKE CONTROL SYSTEM REQUIREMENTS. PROVIDE ALL NECESSARY WIRING, CONTRACTORS, RELAYS, ETC., AS REQUIRED FOR INTERFACE WITH BASE BUILDING SYSTEM.

38. THE AIR CONDITIONING CONTRACTOR SHALL KEEP ALL AREAS IN WHICH WORK IS BEING PERFORMED, FREE FROM DEBRIS AT ALL TIMES AND SAID AREAS SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.

39. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS BUILT DRAWINGS TO THE ENGINEER UPON COMPLETION OF INSTALLATION. IF FIELD CHANGES ARE MADE WHICH DEVIATE FROM ENGINEERING DRAWINGS TO THE EXTENT THAT THE BUILDING DEPARTMENT REQUIRES THESE CHANGES BE INCORPORATED 4. IF NO SIZE IS SHOWN FOR DUCT SERVING DIFFUSER OR GRILLES, USE SIZE SHOWN ON PRIOR TO INSPECTION, THE CONTRACTOR SHALL PROVIDE SKETCHES TO THE ENGINEER FOR INCORPORATION INTO THE BUILDING PLANS. ENGINEERING EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THAT CONTRACTOR.

> 40. AIR CONDITIONING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP TO BE FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM DATE OF ACCEPTANCE, AND ALL GUARANTEES AND WARRANTIES SHALL BE DELIVERED TO THE OWNER. COMPRESSORS SHALL HAVE EXTENDED FIVE YEAR WARRANTIES.

41. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL EQUIPMENT WITH THE OWNER'S REPRESENTATIVE AND THE ACTUAL EQUIPMENT BEING FURNISHED.

42. ALL ROOF MOUNTED EQUIPMENT SHALL BE HVHZ WIND-LOAD RATED WITH SIGNED AND SEALED DOCUMENTS / DRAWINGS FROM AN INDEPENDENT LICENSED FLORIDA PROFESSIONAL ENGINEER.

43. ALL ROOF MOUNTED EQUIPMENT SHALL BE MOUNTED ON CURBS OR STANDS. CURBS AND STANDS AND SHALL BE FLORIDA PRODUCT APPROVED OR MIAMI DADE PRODUCT APPROVED WITH CURRENT NOTICE OF ACCEPTANCE (NOA). CURBS AND STANDS SHALL BE ATTACHED TO THE ROOF STRUCTURE AND THE EQUIPMENT SHALL BE ATTACHED TO THE CURB OR STAND IN ACCORDANCE WITH THE NOA DOCUMENTS.

	MECHANICAL SHEET INDEX	REVISIONS
M0.1	MECHANICAL SCHEDULES, LEGENDS, GENERAL NOTES & SHEET INDEX	
M1.1	CLUBHOUSE BUILDING MECHANICAL PLAN & TENNIS BUILDING NEW OFFICE MECHANICAL PLAN	
M5.1	MECHANICAL DETAILS & MECHANICAL SCHEDULES	
M6.1	MECHANICAL SPECIFICATIONS	
1		

### DESIGN CRITERIA

	CLUBHOUSE	
ROOF	R-16	
WALL	R-11	
WINDOW U-FACTOR VALUE	0.85	
WINDOW SHGC VALUE	0.49	

./S LINES SHALL BE RUN IN FIELD PER MANUFACTURER'S SPECIFICATIONS, OWNERS/ARCHITECT RECOMMENDATIONS, AND IN ACCORDANCE WITH REQUIREMENTS FOR FLORIDA BUILDING CODE -MECHANICAL CHAPTER 11 "REFRIGERATION". L/S LINES SHALL NOT BE RUN THOUGH ANY SHAFT THAT SERVES PRIMARY AIR VENTILATION SUPPLY UNDER ANY CONDITIONS. L/S LINES RUN UNDERGROUND SHALL BE IN 4" PVC SLEEVE. CONTRACTOR TO MAINTAIN MANUFACTURERS SPECIFIED CLEARANCES FOR AIR FLOW AND MAINTENANCE

ROPOSED OPENINGS ONLY AND MUST BE REVIEWED AND ACCEPTED BY STRUCTURAL ENGINEER, ARCHITECT AND CONTRACTOR PRIOR TO FABRICATION.

CONTRACTOR TO PREPARE A COORDINATED AND COMPREHENSIVE LAYOUT DRAWING DEMONSTRATING ABOVE CEILING PROPOSED SYSTEMS ARE FREE OR INTERFERENCES ANS MEET THE PROJECT

STRUCTURAL OPENINGS SHALL BE AT LEAST 1.5"-2" BIGGER THAN MEP SYSTEM REQUIRED FINISHED DIMENSIONS FOR THE ENTIRE ASSEMBLY. STRUCTURAL ENGINEER / ARCHITECT SHALL CONFIRM OPENINGS ON THEIR DRAWINGS. STRUCTURAL ENGINEER SHALL DIMENSION OPENINGS ON THEIR DRAWINGS.

### RECOMMENDED SYSTEM CLEARANCES MINIMUM REQUIREMENTS TO BE VERIFIED FOR EACH SPECIFIC PROJECT

SYSTEM	MINIMUM CLEAR OPENING REQUIREMENT	EXAMPLE
DUCTWORK		
HVAC SUPPLY/RETURN	+2" ON ALL SIDES	12"X10" FIBERGLASS DUCT = 16"X14" MINIMUM CLEAR OPENING
4" BATH EXHAUST	+2" TOTAL	4" SHEET METAL DUCT = 6" MINIMUM CLEAR OPENING
4" DRYER EXHAUST	+2" TOTAL	4" SHEET METAL DUCT = 6" MINIMUM CLEAR OPENING
PLUMBING		
3" SANITARY	+1.5" TOTAL	3" CAST IRON PIPE = 4.5" MINIMUM CLEAR OPENING
4" RAIN WATER	+1.5" TOTAL	4" PVC PIPE = 5.5" MINIMUM CLEAR OPENING
4" RAIN WATER WITH 3/4" INSULATION	+3" TOTAL	4" PVC PIPE + 0.75" INSULATION = 7" MINIMUM CLEAR OPENING
1" WATER LINE	+0.5" TOTAL	1" COPPER PIPE = 1.5" MINIMUM CLEAR OPENING

### **SCOPE OF WORK**

THE PROJECT SCOPE IS A RENOVATION OF AN EXISTING FACILITY WITH AN ADDITION. THE ADDITION HAS A NEW MECHANICAL SYSTEM AND THE EXISTING PORTION OF THE PROJECT HAS MINOR MECHANICAL CHANGES.

**PLANNERS** 

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TEL: 561-392-3848

FAX: 561-392-5402

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**PERMIT SET: 07/21/16** 



700 WEST HILLSBORO BLVD. - BLDG. #1, SUITE 204 DEERFIELD BEACH, FLORIDA 33441 TEL: (561) 391-9292 FAX: (561) 391-9898 CERTIFICATE OF AUTHORIZATION NO. 28107 URSULA IAFRATE, P.E. LICENSE #73122 STEPHEN F. ROLLIN, P.E. LICENSE #36428 DONALD H. AUSTIN, JR., PE LICENSE #60651 JASON BARBER, P.E. LICENSE #73050

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DRAWN DB/FR/AB

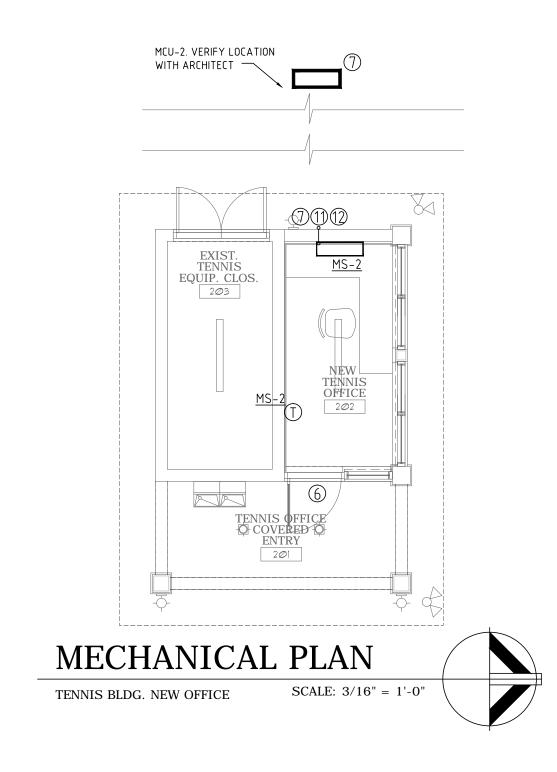
DESIGNED BY: DB/FR/AB PM: KS P/N: 16104

PRIOR TO SUBMITTING THE BID. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

CHECKED UI/SR/DA/JB DATE 07-21-16 SCALE AS NOTED JOB NO. 16104 SHEET

MAIN ENTRY

 $\oplus_{\overbrace{\text{CONSTRUCTION}}^{\text{INLVV}}} >$ 



KEY NOTES:

1 6" Ø SHEET METAL EXHAUST DUCT UP TO ROOF CAP.

② REMOVE CEILING GRILLES FROM EXISTING MEETING ROOM. INSTALL NEW GRILLES WHERE SHOWN AND CONNECT TO NEW DUCTWORK.

3) 20/16 RIGID SUPPLY DUCT UP TO ATTIC SPACE.

(4)22/16 RIGID RETURN DUCT DOWN FROM ATTIC SPACE.

(5).8" Ø SHEET METAL FRESH AIR DUCT DOWN FROM ROOF CAP.

6) FOR NATURAL VENTILATION, MINIMUM OPENABLE AREA TO THE OUTDOORS SHALL BE 4 PERCENT OF THE FLOOR AREA BEING VENTILATED.

 $\begin{picture}(20,0) \put(0,0){\line(1,0){19}} \put(0,$ 

8) CONNECT NEW DUCTWORK TO EXISTING DUCTWORK.

(9) SIZE DUCTWORK BASED ON EXISTING AIR FLOW FOR 0.08" W.G. PRESSURE DROP PER 100 FEET OF DUCT. CONNECT TO EXISTING DUCTWORK.

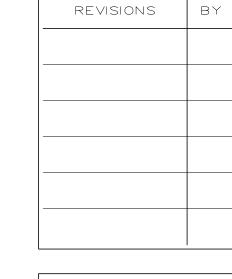
10 BALANCE AIR FLOW IN GRILLES TO MATCH EXISTING CFM.

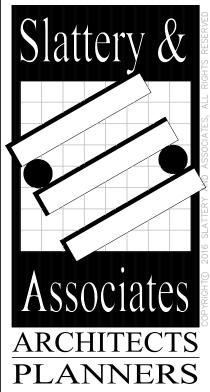
1) FOLLOW MANUFACTURER'S RECOMMENDED LENGTH OF PIPING FOR

12) FOLLOW MANUFACTURER'S RECOMMENDED CLEARANCES FOR CONDENSING UNIT LOCATION.

### GENERAL NOTES:

 PROVIDE ALTERNATE PRICING TO REPLACE EXISTING DUCTWORK.
 GENERAL CONTRACTOR TO FIELD COORDINATE WITH SUBS. AND INTERIOR DESIGNER FOR EXACT LOCATION OF HVAC CEILING GRILLES AND LIGHT FIXTURES.





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WOODFIELD HUNT CLUE CLUBHOUSE RENOVATION AND EXPANSION

PERMIT SET: 07/21/16



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DRAWN
DB/FR/AB
CHECKED
UI/SR/DA/JB
DATE
07-21-16
SCALE
AS NOTED
JOB NO.
16104
SHEET

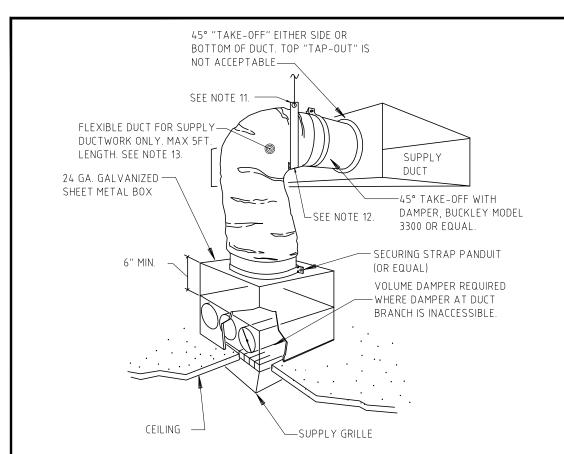
M1.1

PRIOR TO SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED.

THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED.

NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION.

NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.



NOTES: 1. SHEET METAL DUCTS SHALL BE FABRICATED & INSTALLED PER

THE LATEST EDITION OF SMACNA, AND THE FLORIDA ENERGY CONSERVATION CODE ALTERNATE INTERPRETATIONS OF SMACNA DUCT MATERIAL, HANGERS AND REINFORCEMENTS ARE SUBJECT TO ENGINEER APPROVAL, AND REQUIRE SEPARATE SUBMITTAL OF THE ALTERNATES.

FLEXIBLE DUCT CONNECTORS SHALL BE PROVIDED AT CONNECTIONS TO ALL 4. RECTANGULAR ELBOWS SHALL BE SQUARE NECK (SAME IN & OUT DIMENSIONS) WITH 2" DOUBLE THICKNESS TURNING VANES.

OFFSETS SHALL NOT REDUCE THE FREE AREA, AND SHALL NOT EXCEED 30° UNLESS OTHERWISE SPECIFIED. TRANSITIONS SHALL NOT EXCEED 1:3 RATIO (4" TRANSITION PER FOOT SINGLE SIDED

TRANSITION, AND 8" PER FOOT DOUBLE SIDED TRANSITION). ROUND DUCT CONNECTIONS SHALL BE 45° TAKE-OFF, WITH DAMPER AND HANDLE. SPRAY PAINT OR TIE RED RIBBONS TO MARK LOCATIONS OF HANDLES. FLEXIBLE DUCT SHALL INCLUDE AN INNER POLYETHYLENE LINER, A SPRING HELIX, 1-1/2" BLANKET INSULATION WITH A MINIMUM INSTALLED R-VALUE OF 6.0, A FOIL

OUTER VAPOR BARRIER, AND BE UL-181 APPROVED. ALL TAPE SHALL BE FASSON 0810, SMACNA APPROVED. 10. COMPLETELY SEAL ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTS WITH RCD #6

MASTIC OR "HARDCAST" MASTIC TAPE. 11. HANGER WIRE OR STRAPS 5'-0" MAX DISTANCE BETWEEN SUPPORTS. MAX SAG 1/2" PER FOOT OF SUPPORT SPACING. SUPPORTS SHALL BE PROVIDED WITHIN 18" OF INTERMEDIATE FITTING AND BETWEEN INTERMEDIATE FITTINGS

12. 1-1/2" GALV STEEL BAND CLAMP TO MATCH DUCT. 13. NO FLEXIBLE DUCT ALLOWED FOR EXHAUST GRILLE/REGISTER. USE RIGID SHEET METAL DUCT FOR SUPPLY GRILLE/REGISTER.

**DUCTWORK CONNECTION SUPPLY (FLEX DUCT) DETAIL** 

NOT TO SCALE

NO. 6

DISCONNECT OR CIRCUIT BREAKER LOCATION: BY UNIT TIE DOWN: ELECTRICAL CONTRACTOR 14 GA, 1-1/2" WIDE METAL STRAPS CONTROL WIRING: APPROVED FOR OUTDOO USE, WITH NYLON "WIRE-TIES" REFRIGERANT PIPING SERVICE VALVES: EXTERNAL TO UNIT 1/4" CONCRETE WEDGE VIBRATION ISOLATION PADS: 1/2 ANCHOR INTO THICK, RIBBED, NEOPRENE EQUIPMENT SUPPORT PAD: EQUIPMENT PAD BY GENERAL CONTRACTOR

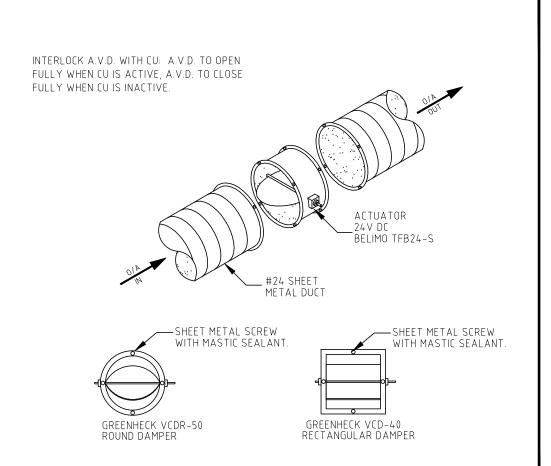
CUS ARE TO BE LOCATED ON 4" THICK PADS ABOVE THE AREA FLOODPLAIN. ONTRACTOR SHALL VERIFY REQUIRED ELEVATIONS WITH MUNICIPALITY OFFICIAL. MAINTAIN MANUFACTURERS RECOMMENDED CLEARANCES AROUND UNIT.

OMPLYWITH FBC MECH . 301.12

NOT TO SCAL

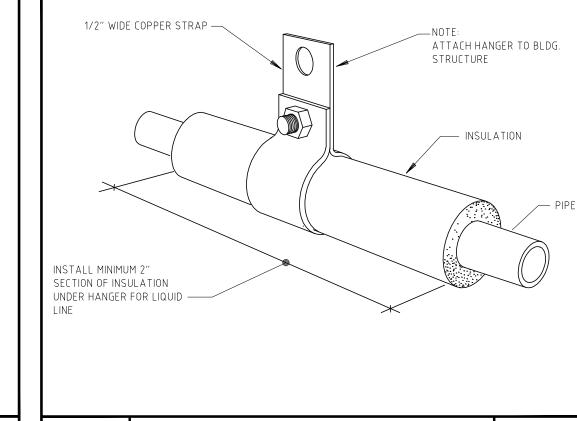
**CONDENSER MOUNTING DETAIL** 

OT TO SCALE



**AUTOMATIC VOLUME DAMPER** 

(A.V.D) DETAIL

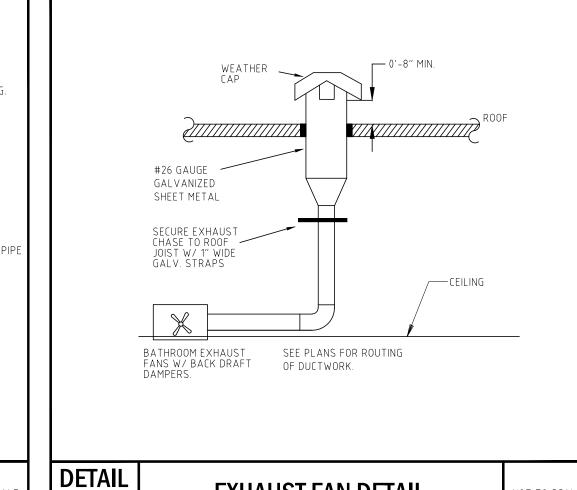


**REFRIGERANT PIPING DETAIL** 

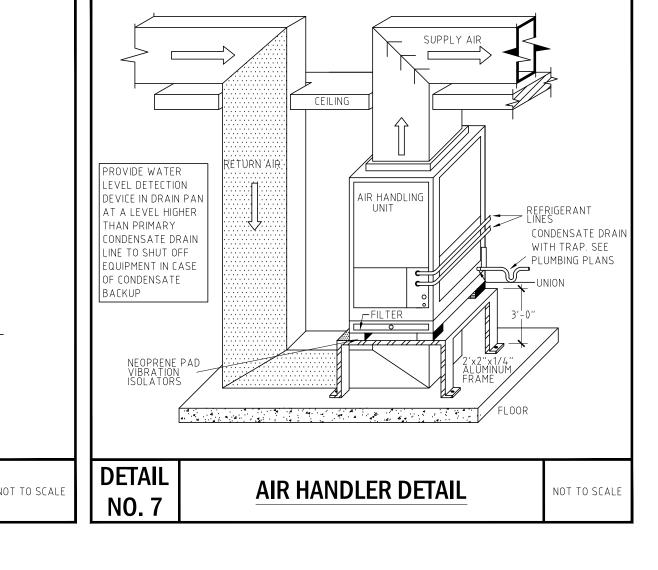
DETAIL

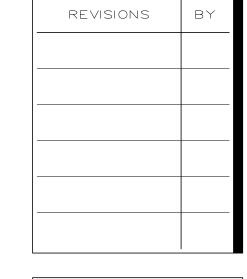
NOT TO SCALE

NO. 5



**EXHAUST FAN DETAIL** 





AIR CONDITIONING SYSTEM SCHEDULE

AHU-1/CU-1

1ST FLOOR

CARRIER

SPLIT

5.0

55,900

41,000

75.0/63.0

55.5/54.4

16.5

FE4ANB006

1995

7.42

0.5

1.0

230/1/60

10

58.5

60

3/4

23 x 25 x 60

210

24ANB760

230/1/60

37.3

60

35 x 35 x 41

315

1-1/8 & 3/8

5635838

UNIT TAGS

LOCATION

MANUFACTURER

NOMINAL TONNAGE

TOTAL BTU

SENSIBLE BTU

E.A.T. DB/WB, °F

L.A.T. DB/WB, °F

INDOOR UNIT DATA

UTDOOR UN

DATA

REMARKS:

PRIOR TO INSTALLATION. 2) PROVIDE R-410A REFRIGERANT

FOR ALL OUTDOOR EQUIPMENT 8) PROVIDE MINIMUM MERV 8 FILTERS

DIRTY PRE-FILTER CONDITIONS.

SPECIFICATIONS

MODEL No.

E.S.P., IN WC

T.S.P., IN WC

COIL FACE AREA (SQF

ELEC. HEATER, kW

DIMENSIONS, IN (LxWxH

DIMENSIONS, IN (LxWxH

REFRIGERANT LINE SI

3) PROVIDE MANUFACTURER SPECIFIED PULL DISCONNECTS AT AHUS. 4) PROVIDE 7 DAY DIGITAL PROGRAMMABLE T-STAT WITH NIGHT SET-BACK 5) REFRIGERANT LINE SIZE BASED ON 0-80 FT. TOTAL EQUIVALENT LENGTH. PROVIDE LONG LINE ACCESSORIES WHERE REQUIRED. SEE MANUFACTURERS

6) CONTRACTOR TO PROVIDE QUOTES FOR EQUIVALENT EQUIPMENT.

7) PROVIDE COASTAL CORROSION PROTECTION ADVANCOAT -SURFSIL R-10

9) TOTAL STATIC PRESSURE INCLUDES FILTER LOSS OF 0.35 IN. W.C. FOR

10) CONDENSING UNITS SHALL BE WIND RATED & CERTIFIED BY FL. PE.

SUCTION & LIQUID

CFM

MCA

MOCP

MOTOR HP

WEIGHT, lbs.

MODEL No.

V/Ph/Hz

MCA

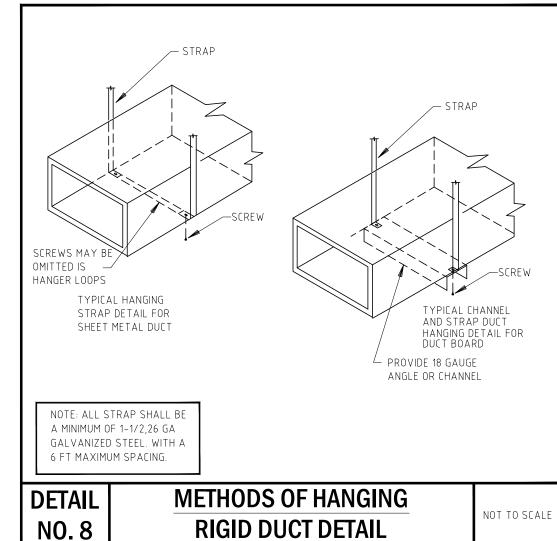
MOCP

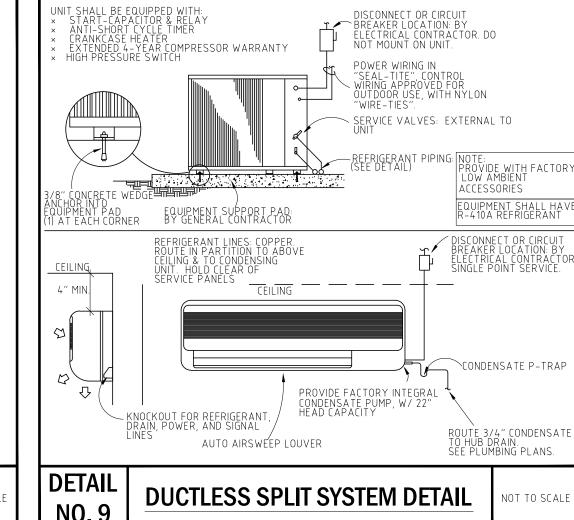
WEIGHT

AHRI#



# WOODFIEI





					MINI-	-SPLIT	AIR I	HANDL	ING	UNIT SCH	EDULE				
INDOOR	OUTDOOR	MFG.	CONDENSING UNIT	AIR HANDLER UNIT	TOTAL	SENSIBLE	HEATING	TOTAL CFM	SEER/	SUCTION & LIQUID	V/P/Hz	CONDENSI	ng unit	AIR HAND	LER UNIT
UNIT NO.	UNIT NO.	TH G.	MODEL NO.	MODEL NO.	MBH	MBH	MBH	L/M/H	HSPF	LINES		MIN. AMPACITY	MAX FUSE	MIN. AMPACITY	MAX FUSE
MS-1	MCU-1	MITSUBISHI	MUY-GE18NA	MSY-GE18NA-8	17.2	13.4	-	275/339/533	19.2	1/2" & 1/4"	230/1/60	14	15	INDOOR UNIT RECEIVES PO THROUGH FIELD SUPPLIED	
MS-2	MCU-2	MITSUBISHI	MUY-GE09NA	MSY-GE09NA	9.0	8.6	-	170/237/321	21.0	3/8" & 1/4"	230/1/60	12	15	INDOOR UNIT RECEIVES PO THROUGH FIELD SUPPLIED	

1) VERIFY ALL A/C ELECTRICAL REQUIREMENTS WITH MANUFACTURERS SPEC. PRIOR TO INSTALLATION. 2) PROVIDE R-410A REFRIGERANT

3) PROVIDE MANUFACTURER SPECIFIED DISCONNECTING MEANS AT AHUS. 4) PROVIDE 7 DAY DIGITAL PROGRAMMABLE T-STAT WITH NIGHT SET-BACK, THERMIDISTAT OR EQUAL

5) REFRIGERANT LINE SIZE BASED ON 0-100 FT. TOTAL EQUIVALENT LENGTH. SEE MANUFACTURER FOR LONGER

6) COOLING CAPACITY BASED ON 64°F DB, 53°F WB.

7)	INCLUDE HIGH-EFFICIENCY, VARIABLE SPEED FAN MUTUR.
8)	CONTRACTOR TO PROVIDE QUOTES FOR EQUIVALENT EQUIPMENT.

						FAN	SCHEDULE							
1 FAN 1	TO BE INTERLOCKED WITH	ILIGHTS, COORDINATE V	VITH ELECTRICAL											
TAG	MANUFACTURER	MODEL	SYSTEM	LOCATION	CFM	E.S.P. (IN W.C.)	VOLTAGE (V/PH/Hz)	OPERATING POWER	RPM	WHEEL SIZE	dВА	DRIVE TYPE	DUCT SIZE CONNECTION	REMARKS
EF-1	GREENHECK	SP-C50	-	CEILING	50	0.100	115/1/60	46 WATTS	1680	-	-	DIRECT W/ SPEED CONTROL	4''Ø	1)

PRIOR TO SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. E-MAIL: INFO@FAECONSULTING.COM NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED. DESIGNED BY: DB/FR/AB PM: KS P/N: 16104

**PERMIT SET: 07/21/16** 

700 WEST HILLSBORO BLVD. - BLDG. #1, SUITE 204 DEERFIELD BEACH, FLORIDA 33441 TEL: (561) 391-9292 FAX: (561) 391-9898 CERTIFICATE OF AUTHORIZATION NO. 28107 URSULA IAFRATE, P.E. LICENSE #73122 STEPHEN F. ROLLIN, P.E. LICENSE #36428 DONALD H. AUSTIN, JR., PE LICENSE #60651 JASON BARBER, P.E. LICENSE #73050

DB/FR/AB CHECKED UI/SR/DA/JB DATE 07-21-16 SCALE AS NOTED JOB NO. 16104 SHEET

DRAWN

- SMACNA NFPA 101
- 4. NFPA 90A
- NFPA 99
- B. SCOPE OF WORK
- 1. PROVIDE ALL REQUIRED PERMITS, LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETE THE SCOPE OF THE PROJECT SHOWN ON THE DRAWINGS AND READY FOR OCCUPANCY AND USE BY OWNER. THE WORK SHALL INCLUDE BUT IS NOT
- a. REMOVAL, RELOCATION AND RE-INSTALLATION OF EXISTING EQUIPMENT AND
- CONNECTIONS TO EXISTING OR NEW EQUIPMENT AND SYSTEMS MODIFICATION OF EXISTING CHILLED OR HOT WATER SYSTEMS, STEAM SYSTEMS,
- CONDENSATE DRAINAGE, DUCTWORK, TEMPERATURE CONTROLS AND LIFE-SAFETY
- d. CUTTING AND PATCHING TO REMOVE EXISTING OR INSTALL NEW WORK. e. CLEANING AND TESTING.
- f. INSTRUCTION TO OWNER'S PERSONNEL.
- 2. ALL REMOVAL WORK AND DISRUPTIONS OF EXISTING SERVICES SHALL BE COORDINATED AND SCHEDULED IN ADVANCE WITH OWNER'S REPRESENTATIVES.
- 3. PROVIDE ALL BUILDING PENETRATIONS REQUIRED TO COMPLETE PROJECT. ALL PENETRATIONS TO BE PATCHED AND SEALED TO BE WATERTIGHT. MAINTAIN FIRE RATINGS OF EXISTING STRUCTURE.
- 4. PROVIDE ALL NECESSARY DUCT, EQUIPMENT AND PIPE SUPPORTS AND MATERIALS REQUIRED FOR INSTALLATION. PER THE REQUIREMENTS OF LOCAL, STATE OR FEDERAL
- 5. NOT ALL COMPONENTS REQUIRED ARE INDICATED ON THESE DRAWINGS. REFER TO MANUFACTURERS INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS INCLUDING CONNECTION LOCATIONS, TYPES AND SIZES. PROVIDE ISOLATING VALVES AND UNIONS AT ALL EQUIPMENT CONNECTIONS.
- C. REQUIRED SHOP DRAWINGS
- INSULATION.
- AIR DEVICES. VALVES.
- 4. DUCTWORK COORDINATION DRAWINGS. CONTROLS.
- 6. AIR HANDLING EQUIPMENT. THERMOSTATS.
- FANS. TERMINAL BOXES.
- 10. FILTERS 11. FIRE AND SMOKE DAMPERS
- D. MAINTENANCE MANUALS
- 1. PROVIDE MAINTENANCE MANUALS FOR ALL NEW EQUIPMENT CONTAINING ALL OPERATING AND MAINTENANCE DATA, SUBMITTALS, WARRANTEES, DIAGRAMS,
- WITH POCKETS FOR DRAWINGS. PROVIDE OWNER WITH 2 COPIES. 2. PROVIDE AN INDEX INSIDE THE BINDER COVER WITH A LIST OF EACH EQUIPMENT ITEM.

AHRI CERTIFICATES, INSPECTION REPORTS AND VALVE LISTS IN A 3 RING BINDER

- EACH ITEM SHALL BE INDIVIDUALLY TABBED.
- 3. PROVIDE A LIST OF ALL REQUIRED REGULAR MAINTENANCE ACTIONS.
- 4. MAINTENANCE LIST SHALL REFERENCE TABULATED ITEM AND SHALL INCLUDE THE TITLE OR PUBLICATION NUMBER FOR THE OPERATION AND MAINTENANCE MANUAL FOR
- THAT PARTICULAR MODEL AND TYPE OF PRODUCT.
- E. AS-BUILT DRAWINGS
- 1. THE CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ALL CHANGES MADE TO THE CONTRACT DOCUMENTS (AS-BUILT).
- 2. THE CONTRACTOR SHALL PROVIDE THE ENGINEER 2 SETS OF COMPLETED AS-BUILT
- 3. THE PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL ACCURATE AS-BUILTS ARE DELIVERED.
- F. SUBSTITUTIONS
- 1. EQUIPMENT AND DESIGN OF SYSTEMS INDICATED ON THE DESIGN DRAWINGS AND WITHIN THESE SPECIFICATIONS SHALL BE CONSIDERED AS "SPECIFIED STANDARD" OF QUALITY. NO SUBSTITUTIONS SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER 10 DAYS PRIOR TO BID DATE.
- 2. ANY DEVIATION FROM SPECIFIED EQUIPMENT THAT AFFECTS THE ELECTRICAL REQUIREMENTS SHALL BE COORDINATED BY THE MECHANICAL CONTRACTOR AND EQUIPMENT VENDOR WITH THE ELECTRICAL CONTRACTOR PRIOR TO SUBMITTING
- G. WIND LOADS
- 1. ALL EQUIPMENT TO BE MOUNTED OUTSIDE SHALL BE FURNISHED WITH A NOA (NOTICE OF ACCEPTANCE) FOR WINDSTORM OR BE FURNISHED WITH AN ENGINEERED DETAIL GOOD FOR THE LOCAL WIND RATE.

### 15050 - BASIC MATERIALS AND METHODS

- A. ACCESS PANELS FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY GENERAL CONTRACTOR.
- 1. PROVIDE FOR ACCESS TO ALL SERVICEABLE EQUIPMENT IN WALLS AND CEILINGS.
- 2. MICOR STYLE M FOR DRYWALL. 3. MICOR STYLE K FOR PLASTER.
- 5. NYSTROM, KARP, J.L. INDUSTRIES OR WILLIAMS PAINT.
- B. LABELING

4. MINIMUM SIZE 16"x16".

- 1. PROVIDE RIGID PLASTIC EMBOSSED EQUIPMENT NAMETAGS FOR ALL NEW EQUIPMENT AND DISCONNECTS. SETON NAMEPLATE CORPORATION.
- 2. PAINT ALL MECHANICAL PIPING IN EQUIPMENT ROOMS, BOILER ROOMS AND WHERE EXPOSED OR OUTDOORS. MATCH EXISTING COLOR CODES USED ON SIMILAR SYSTEMS. 3. PROVIDE VALVE TAGS ON ALL NEW AND RELOCATED VALVES. VALVE TAGS SHALL MATCH TAGS USED AT THE EXISTING FACILITY. TAGS TO BE SECURED TO VALVES WITH BRASS CHAINS. PROVIDE UPDATED INFORMATION ON ALL NEW VALVES TO THE EXISTING VALVE CHART.
- 4. PROVIDE PIPE LABELS ON ALL NEW PIPING. PIPE LABELS TO MATCH SIZE, COLOR AND TYPE USED AT THE EXISTING FACILITY AND COMPLY WITH ANSI A1 3.1. LABELS SHALL BE APPLIED CLOSE TO VALVES, CHANGES IN PIPE DIRECTIONS, BRANCHES, PIPES PASSING THRU WALLS OR FLOORS AND EVERY 20 FEET IN STRAIGHT RUNS OF PIPING AND AT LEAST ONE TIME PER ROOM.
- C. FLASHING AND COUNTER FLASHING
- 1. FURNISH MATERIALS AND COORDINATE INSTALLATION FOR ALL PENETRATIONS OF ROOF BY ALL DUCT AND PIPE.
- 2. SHEET METAL 24ga. ASTM A525. 3. SHEET LEAD 6 lbs PER SQ. FT. (WHERE ALLOWED)
- 4. STAINLESS STEEL 20 ga. 5. SHEET COPPER 24 oz PER SQ. FT.

- D. MECHANICAL SYSTEMS CLEANING
- 1. CLEAN AND TOUCH UP ALL FACTORY FINISHES.
- 2. FLUSH ALL HVAC SYSTEMS BEFORE CONNECTION TO EQUIPMENT.
- 3. CLEAN ALL CLOSED HVAC SYSTEMS WITH ALKALINE CLEANER CIRCULATED FOR 72
- 4. PRESSURE TEST ALL MECHANICAL PIPING SYSTEMS.
- a. STEAM SYSTEMS 150 psi FOR SIX HOURS. b. WATER SYSTEMS 150 psi FOR SIX HOURS.
- E. CLEANING TESTING AND ADJUSTING
- 1. THE MECHANICAL CONTRACTOR, AT HIS EXPENSE, SHALL CLEAN, REPAIR, ADJUST CHECK, BALANCE AND PLACE IN SERVICE THE VARIOUS SYSTEMS HEREIN SPECIFIED WITH THEIR RESPECTIVE EQUIPMENT, ACCESSORIES AND PIPING. HE/SHE SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS REQUIRED TO PERFORM TESTS REQUIRED BY THESE SPECIFICATIONS AND BY THE GOVERNING AUTHORITIES.
- 2. NO WORK SHALL BE COVERED OR CONCEALED UNTIL PROPERLY INSPECTED AND
- F. HANGERS AND SUPPORTS
- 1. PROVIDE ALL NECESSARY DUCTWORK, PIPE SUPPORTS, HANGERS, RODS, CLAMPS AND ATTACHMENTS TO PROPERLY INSTALL AND SUPPORT DUCTWORK, PIPING AND EQUIPMENT FROM THE BUILDING STRUCTURE.
- 2. PROVIDE ANY ANGLE IRON OR UNISTRUT AND SUSPENSION RODS REQUIRED TO INSTALL EQUIPMENT, PIPING AND DUCTWORK.
- 3. ALL SUPPORTS EXPOSED TO OUTDOORS SHALL BE CLEANED, PRIMED AND PAINTED TO PREVENT RUSTING. FINISH COLOR AS SELECTED BY OWNER.
- 4. THE USE OF BALING WIRE OR PERFORATED METAL STRAPPING IS NOT PERMITTED FOR
- G. WARRANTY/GUARANTEE
- 1. THE CONTRACTOR SHALL WARRANTY/GUARANTEE AND MAINTAIN THE STABILITY OF WORK AND MATERIALS AND KEEP SAME IN PERFECT REPAIR AND CONDITION OF THE
- 2. DEFECTS OF ANY KIND DUE TO THE FAULTY WORK OR MATERIALS APPEARING DURING THE ABOVE MENTIONED PERIOD MUST BE IMMEDIATELY MADE GOOD BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE ENTIRE SATISFACTION OF THE OWNER AND ENGINEER. SUCH RECONSTRUCTION AND REPAIRS SHALL INCLUDE DAMAGE TO THE FINISH OR FURNISHING OF THE BUILDING RESULTING FROM THE ORIGINAL DEFECT OR REPAIR THERETO.

- A. DO NOT USE MECHANICALLY COUPLED JOINTS OR T-DRILLED TEES ON HVAC SYSTEMS.
- B. SCHEDULE 40 ASTM A53 OR A106 GRADE B BLACK STEEL PIPE USED FOR: CHILLED WATER 2 INCH DIAMETER AND ABOVE.
- 2. HEATING HOT WATER 2 INCH DIAMETER AND ABOVE. CONDENSER WATER.
- C. SCHEDULE 40 ASTM A53 SEAMLESS BLACK STEEL PIPE USED FOR:
- D. SCHEDULE 80 A134 GALVANIZED SEAMLESS BLACK STEEL PIPE USED FOR: STEAM CONDENSATE.
- BOILER BLOW DOWN.
- E. TYPE L HARD COPPER PIPE USED FOR:
- 1. HVAC HEATING HOT WATER UP TO 1 1/2 INCHES IN DIAMETER.
- 2. HVAC CHILLED WATER UP TO 1 1/2 INCHES IN DIAMETER.
- COOLING COIL CONDENSATE PIPING. 4. REFRIGERANT PIPING
- F. DUCTILE IRON PIPE USED FOR: BURIED CONDENSER WATER PIPING.
- PVC PIPE IS NOT TO BE USED ON MECHANICAL SYSTEMS.

### 15103 - SLEEVES

- A. SLEEVES TO BE 18 GAGE SHEET METAL OR SCHEDULE 40 PIPE. SLEEVE THE
- 1. MASONRY WALLS SLEEVE ALL PIPE PENETRATIONS.
- 2. FLOORS SLEEVE ALL HVAC PIPING. EXTEND SLEEVES 1/2 " ABOVE FINISHED FLOOR (2" ABOVE FINISHED FLOORS IN MECHANICAL ROOMS).
- 3. FIRE RATED DRY WALL PARTITIONS SLEEVE STEAM SUPPLY AND RETURN AND HEATING
- 4. NON-FIRE RATED PARTITIONS NO SLEEVES REQUIRED. SEAL WALL TO INSULATION. 5. USE U.L. LISTED ASSEMBLY FOR ALL PENETRATIONS THRU RATED CONSTRUCTION.
- 15242 VIBRATION ISOLATION
- A. ACCEPTABLE MANUFACTURERS:
- MASON INDUSTRIES.
- KINETICS NOISE CONTROL. KORFUND. AMBER BOOTH.
- B. MASON TYPE SLF CONTROL AIR COMPRESSOR, AHU'S (UNLESS INTERNAL), CENTRIFUGAL FANS.
- C. MASON SUPER W RUBBER PAD HVAC PUMPS, CHILLERS, AHU'S (IF INTERNAL).
- D. MASON TYPE HS CEILING SUSPENDED FANS AND AHU'S.
- E. MASON PC30N CLOSEST 2 HANGERS TO AHU'S, PIPING WITHIN 20 PIPE DIAMETERS
- F. INERTIA BASES WHERE SCHEDULED OR SHOWN.

### 15250 - INSULATION

- A. INSULATION, ADHESIVES, COATINGS, SEALERS, TAPES, ETC. SHALL HAVE A FLAME SPREAD OF 25 OR LESS AND SMOKE DEVELOPMENT OF 50 OR LESS IN ACCORDANCE WITH ASTM E-84, NFPA 225, UL 723 AND MEET THE REQUIREMENTS OF NFPA 90A. ALL INSULATING R-VALUES TO MEET THE REQUIREMENTS OF THE FLORIDA ENERGY
- B. FIBERGLASS PIPE INSULATION, JOHNS MANVILLE MICRO-LOK 850, CERTIANTEED, KNAUF, OWENS CORNING. JACKET: ASJ KRAFT PAPER WITH ALUMINUM FOIL.
- 1. HEATING HOT WATER 2" AND UNDER 1 1/2 " THICK.
- 2. HEATING HOT WATER 2 1/2 " AND OVER 2" THICK. 3. STEAM 4" AND UNDER - 2 1/2" THICK.
- 4. STEAM OVER 5" 3 1/2" THICK.
- STEAM CONVERTER 2" THICK. 6. STEAM CONVERTER - 1 1/2 " THICK.

- C. CELLULAR GLASS PIPE INSULATION, PITTSBURGH CORNING "FOAMGLASS"
  - CHILLED WATER PIPING 2" AND UNDER 1 1/2 " THICK.
- 2. CHILLED WATER PIPING OVER 2" 2" THICK. 3. ALL HVAC PIPING EXPOSED TO WEATHER.
- D. FLEXIBLE ELASTOMERIC INSULATION, ARMSTRONG "AP ARMAFLEX", MITCHEL,
- 1. CONDENSATE DRAINS 3/4" THICK.
- 2. REFRIGERATION MACHINE EVAPORATOR 2 LAYERS 3/4 " THICK.
- 3. REFRIGERATION SUCTION LINES: 3/4 " THICK 4. ALL OUTDOOR EXPOSED PIPING INSULATION SHALL BE PAINTED WITH TWO COATS OF ARMAFLEX STANDARD WHITE WB FINISH. PRIOR TO APPLYING THE FINISH, THE INSULATION SHALL BE
- WIPED CLEAN WITH DENATURED ALCOHOL. THE FINISH SHALL NOT BE TINTED. 5. ALL OUTDOOR EXPOSED PIPING SHALL HAVE THE SEAMS LOCATED ON THE LOWER HALF OF
- 6. CONTACT MANUFACTURER FOR ALTERNATIVE PRODUCTS.
- E. BLANKET TYPE DUCT INSULATION, JOHNS MANVILLE, CERTAINTEED, KNAUF, OWENS CORNING, MINIMUM R=6.0, FOIL FACED KRAFT VAPOR BARRIER
- 1. ALL SUPPLY, OUTSIDE AIR AND RETURN WHERE CONCEALED FROM VIEW, R-6.
- F. SEMI RIGID BOARD TYPE DUCT INSULATION 1.51b DENSITY, CERTAINTEED 1B-300, JOHNS MANVILLE, KNAUF, OWENS CORNING:

1. ALL SUPPLY, RETURN AND OUTSIDE AIR WHERE EXPOSED.

- 2. MINIMUM DUCT INSULATION THICKNESS AND R VALUES ARE AS FOLLOWS:
- a. SUPPLY AND RETURN AIR IN UNCONDITIONED SPACE: 2" (R-6 MIN.) b. SUPPLY AND RETURN AIR IN CONDITIONED INTERIOR SPACE: 1.5" (R-4.2 MIN.)
- c. OUTSIDE AIR: 2" (R-6 MIN.) d. SUPPLY AIR IN CEILING RETURN AIR PLENUM: 1.5" (R-4.2 MIN.)
- e. RETURN AIR IN CEILING RETURN AIR PLENUM: NOT REQUIRED. f. DUCTWORK OUTSIDE OF BUILDING: 3" (R-8 MIN.)

A. FOR INTERNALLY LINED RECTANGULAR DUCTS, PROVIDE 1" THICK JOHNS MANVILLE PERMACOTE LINACOUSTIC RC-HP FLEXIBLE DUCT LINER INSULATION OR APPROVED EQUAL. NRC: 0.75, R-VALUE 4.3 (1" THICK). COMPLIES WITH ASTM C1071 TYPE 1, ASHRAE 62. LINER SHALL BE RESISTANT TO DUST AND DIRT AND SHALL NOT SUPPORT MICROBIAL GROWTH.

B. FOR INTERNALLY LINED PLENUMS, PROVIDE 1-1/2" THICK JOHNS MANVILLE LINACOUSTIC R-300 RIGID FIBERGLASS BOARD OR APPROVED EQUAL. NRC: 0.9, R-VALUE: 6.3 (1.5" THICK). COMPLIES WITH ASTM C1071 TYPE II.

### 15890 - SHEETMETAL DUCTWORK

- A. ALL DUCT TO BE INSTALLED ACCORDING TO LATEST SMACNA STANDARDS. B. ALL DUCT EXCEPT THAT SPECIFICALLY SHOWN IS TO BE GALVANIZED. RETURN, EXHAUST AND DUCT DOWNSTREAM OF CV BOXES TO BE 0-2" PRESSURE CLASS. SUPPLY DUCT FROM FAN TO CV OR VAV BOX TO BE 4" CLASS.
- 15910 SHEETMETAL ACCESSORIES
- A. AIR INLETS AND OUTLET.
- REFER TO SCHEDULE.

C. ALL SYSTEMS TO BE LEAKAGE TESTED.

- ALL ALUMINUM CONSTRUCTION. 3. ACCEPTABLE MANUFACTURERS: TITUS, PRICE, METAL-AIRE, CARNES, ANEMOSTAT
- 1. FIRE DAMPERS SHALL BE TYPE "B" CURTAIN TYPE, SUITABLE FOR EITHER VERTICAL OR HORIZONTAL INSTALLATION, WITH 20 GAUGE STEEL CHANNEL FRAMES, 24 GAUGE

B. FIRE DAMPERS

- STEEL BLADES AND 18 GAUGE STEEL ENCLOSURE WITH DUCT COLLARS. ALL PARTS GALVANIZED MILL FINISH. 2. FIRE DAMPERS SHALL BE EQUAL TO RUSKIN TYPE IBD2 FOR WALLS UP TO 2 HOURS.
- 3. INSTALL IN ACCORDANCE WITH NFPA-90A, TESTED IN ACCORDANCE WITH UL SAFETY
- 4. FURNISH FIRE DAMPERS AND ACCESS DOORS IN ALL DUCTS PENETRATING
- ANY RATED CONSTRUCTION AND WHERE INDICATED ON DRAWINGS. 5. USE FOLDING BLADE TYPE "C" IN HIGH VELOCITY ROUND DUCTS. USE FOLDING BLADE TYPE FOR SQUARE AND RECTANGULAR DUCTS, AS DETAILED.
- 6. FIRE DAMPERS SHALL BEAR THE 1 HOUR UNDERWRITER'S LABORATORY UL SAFETY
- STANDARD 555, RATED PROTECTION REQUIRED, 165°F FUSIBLE LINK. 7. ACCEPTABLE MANUFACTURERS SHALL BE RUSKIN, AIR BALANCE, GREENHECK, NAILOR.

### COMBINATION FIRE/SMOKE DAMPERS

- 1. TYPE "B" FOR ALL LOCATIONS, WITH ACCESS DOORS. ALL DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA-90A AND TESTED IN ACCORDANCE WITH UL
- SAFETY STANDARDS 555S. 2. ALL DAMPERS SHALL BEAR THE UL SAFETY STANDARD 555S LABEL FOR THE COMPLETE ASSEMBLY. DAMPERS SHALL BE RATED FOR 11/2 HOUR PROTECTION WITH 165°F FUSIBLE LINK, EQUAL TO RUSKIN FSD-35. MOTOR OPERATOR PNEUMATIC TO MATCH EXISTING OR ELECTRIC VOLTAGE SHALL BE 24 VOLT UNLESS INDICATED ON PLANS. COORDINATE WITH FIRE ALARM CONTROL AND ELECTRICAL CONTRACTORS.
- DESIGNER NOTE TO COORDINATE WITH ELECTRICAL TO VERIFY VOLTAGE. 3. UNLESS OTHERWISE REQUIRED BY THE AUTHORITY HAVING JURISDICTION, SLEEVES FOR FIRE DAMPERS AND FIRE SMOKE COMBINATION DAMPERS SHALL BE THE RIGID TYPE OF CONSTRUCTION RECOMMENDED IN SCHEDULE 2 OF SMACNA PUBLICATION FOR "FIRE DAMPER AND HEAT STOP GUIDE FOR AIR HANDLING SYSTEMS". USE 16 GAUGE FOR DUCTS 24" OR LESS IN DIAMETER OR EITHER RECTANGULAR DIMENSION AND 14 FOR DUCTS OVER 24". PROVIDE MINIMUM 18" LONG SLEEVES.

### C. FLEXIBLE DUCTWORK

1. TO BE FLEXMASTER TYPE 3, WIREMOLD TYPE WCK OMNIAIR 1200, OR THERMAFLEX. 2. FLEXIBLE DUCTWORK SHALL BE ACOUSTICAL LOW PRESSURE TYPE WITH INTERIOR LINER, METAL HELIX, FIBERGLASS INSULATION WITH AN R VALUE OF 6.0 OR GREATER AND COPOLYMER SEAMLESS OUTSIDE SLEEVE. THE ENTIRE FLEXIBLE DUCT ASSEMBLY SHALL BE LISTED IN ACCORDANCE WITH UL-181 CLASS 1 AIR DUCT MATERIAL. THE MAXIMUM LENGTH OF ANY FLEX DUCT SHALL BE 6'-0". FLEXIBLE DUCTWORK SHALL MEET THE FLORIDA MODEL ENERGY EFFICIENCY CODE. ALL JOINTS AT CONNECTIONS TO DIFFUSERS AND DUCTWORK SHALL BE SEALED WITH GLASS, FABRIC AND MASTIC.

3. FLEXIBLE NON-INSULATED DUCT SHALL BE FLEXMASTER ALUMINUM TRIPLE-LOCK METAL

DUCT, MODEL NI-TL OR APPROVED EQUAL, ETL CLASS 0, MAXIMUM LENGTH USED SHALL BE 6 FT.

FLEXIBLE INSULATED DUCT FOR SUPPLY AND RETURN AIF

- A. FLEXIBLE DUCT: UL 181, CLASS 1, MULTIPLE LAYERS OF ALUMINUM LAMINATE SUPPORTED BY HELICALLY WOUND, SPRING-STEEL WIRE; FIBROUS-GLASS INSULATION; POLYETHYLENE OR ALUMINIZED VAPOR-BARRIER FILM. FLEXMASTER, MASTERDUCT TYPE 5M LOW PRESSURE INSULATED OR EQUAL.
- 1. PRESSURE RATING: 10-INCH WG POSITIVE AND 1.0-INCH WG NEGATIVE.
- MAXIMUM AIR VELOCITY: 4000 FPM.
- 3. TEMPERATURE RANGE: MINUS 20 TO PLUS 210 DEG F.
- 4. INSULATION R-VALUE: COMPLY WITH ASHRAE/IESNA 90.1, R-6 MINIMUM. 5. FLAME SPREAD: LESS THAN 25

EQUIPMENT MAY BE CONSIDERED TO BE SUPPORTS

NOT ALLOW DUCTS TO SAG.

- 6. SMOKE DEVELOPED: LESS THAN 50
- B. CONNECT FLEXIBLE DUCTS TO METAL DUCTS, DIFFUSERS, OR TAKE-OFFS WITH DRAW BANDS AND PRESSURE SENSITIVE TAPE.
- C. COMPLY WITH FMC SECTION 603, DUCT CONSTRUCTION AND INSTALLATIO D. SPLICING OF TWO OR MORE SECTIONS SHALL NOT BE PERMITTED. DO NOT EXCEED CENTERLINE BEND RADIUS OF 1.5 X DIAMETER. TRIM DUCTS TO PROPER LENGTHS AND DO
- E. DUCTS SHALL BE SUPPORTED WITH APPROVED HANGERS IN ACCORDANCE WITH THE REQUIREMENTS OF FMC SECTIONS 603.10.1 THROUGH 603.10.3, OR BY OTHER APPROVED DUCT SUPPORT SYSTEMS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE FLEXIBLE DUCTS SHALL BE CONFIGURED AND SUPPORTED SO AS TO PREVENT THE USE OF EXCESS DUCT MATERIAL, PREVENT DUCT DISLOCATION OR DAMAGE, AND PREVENT CONSTRICTION OF THE DUCT BELOW THE RATED DUCT DIAMETER IN ACCORDANCE WITH
- 1. DUCTS SHALL BE INSTALLED FULLY EXTENDED. THE TOTAL EXTENDED LENGTH OF DUCT MATERIAL SHALL NOT EXCEED 5 PERCENT OF THE MINIMUM REQUIRED LENGTH FOR THAT
- 2. BENDS SHALL MAINTAIN A CENTER LINE RADIUS OF NOT LESS THAN ONE DUCT 3. TERMINAL DEVICES SHALL BE SUPPORTED INDEPENDENTLY OF THE FLEXIBLE DUCT. 4. HORIZONTAL DUCT SHALL BE SUPPORTED AT INTERVALS NOT GREATER THAN 5 FEET. DUCT SAG BETWEEN SUPPORTS SHALL NOT EXCEED 1/2 INCH (12.7 MM) PER FOOT OF LENGTH. SUPPORTS SHALL BE PROVIDED WITHIN 1-1/2 FEET OF INTERMEDIATE FITTINGS

AND BETWEEN INTERMEDIATE FITTINGS AND BENDS. CEILING JOISTS AND RIGID DUCT OR

5. VERTICAL DUCT SHALL BE STABILIZED WITH SUPPORT STRAPS AT INTERVALS NOT F. 6. HANGERS, SADDLES AND OTHER SUPPORTS SHALL MEET THE DUCT MANUFACTURER'S RECOMMENDATIONS AND SHALL BE OF SUFFICIENT WIDTH TO PREVENT RESTRICTION OF

THE INTERNAL DUCT DIAMETER. IN NO CASE SHALL THE MATERIAL SUPPORTING

FLEXIBLE DUCT THAT IS IN DIRECT CONTACT WITH IT BE LESS THAN 1-1/2 INCHES WIDE.

- E. TERMINAL CONNECTORS
- 1. GENERAL CONNECTORS SHALL BE RATED FOR 12" W.G., AND MEET NFPA 90A REQUIREMENTS. DUCT SHALL BE FABRICATED OR ALUMINUM SPIRAL HELIX AND REINFORCED RIP STOP ALUMINUM POLYESTER. PRESSURE DROP SHALL NOT EXCEED 0.6"/100'-0" AT 1000 FPM. WHERE INSULATION IS REQUIRED, FURNISH FACTORY APPLIED FIBERGLASS WITH REINFORCED VAPOR-BARRIER JACKET. INSULATION CONDUCTANCE VALUE SHALL NOT EXCEED 0.23. NON-INSULATED DUCT SHALL BE EQUAL TO
- FLEXMASTER TYPE 3. INSULATED DUCT SHALL BE EQUAL TO FLEXMASTER 3M. 2. HIGH VELOCITY - MAXIMUM DEVELOPED LENGTH OF CONNECTOR SHALL BE 6'-0". USE METAL DUCTS AND FITTINGS TO REACH WITHIN 6'-0" WHERE CONNECTORS ARE ATTACHED TO INSULATED DUCT, FURNISH INSULATED FLEXIBLE DUCT.
- 1. GENERAL IN ALL DUCTWORK SYSTEMS, PROVIDE DAMPERS FOR PROPER CONTROL AND BALANCING OF AIR QUANTITIES. CONCEALED DAMPERS TO HAVE CONCEALED

F. BALANCING DAMPERS

- DAMPER REGULATOR. ALL COMPONENTS FOR PROPER OPERATION; (i.e. GEARS, LINKAGES, CABLE, ETC.) SHALL BE INCLUDED. 2. TYPE: OPPOSED BLADE. 3. MATERIAL: STEEL, 3V TYPE BLADES MOUNTED IN STEEL CHANNEL FRAME.
- 4. SHAFT: 1/2 " SQUARE ROD OPERATOR WITH END BEARINGS AND GASKET SEAL AT DUCT PENETRATIONS. TERMINATE SHAFT IN DAMPER FRAME WITH BUSHINGS 5. OPERATOR: LOCKING QUADRANT HANDLE WITH DAMPER POSITION INDICATOR AND

INSULATION STAND OFF MOUNTING BRACKET FOR EXTERNALLY INSULATED DUCTWORK.

G. ACCESS DOORS 1. ACCEPTABLE MANUFACTURERS: RUSKIN, VENCO, NAILOR.

15970 - TEMPERATURE CONTROLS

- 2. SIZE ACCESS DOOR AS FOLLOWS:
- A. EXTEND EXISTING CONTROL SYSTEM TO NEW EQUIPMENT AND PROVIDE ALL MODIFICATIONS NECESSARY FOR A FULLY FUNCTIONING SYSTEM.
- B. AIR HANDLING UNIT AND CONSTANT VOLUME REHEAT BOXES
- 2. AUTOMATIC CONTROL VALVES SHALL BE FULLY PROPORTIONING WITH MODULATING PLUG OR V-PORT INNER GUIDES OR BALL TYPE. THE VALVE SHALL BE QUIET IN OPERATION AND FAIL-SAFE IN THE NORMALLY OPEN POSITION IN THE CONTROL EVENT OF CONTROL FAILURE. CONTROL VALVES SHALL BE SIZED BY THE CONTROL MANUFACTURER AND SHALL BE WARRANTED TO MEET THE HEATING AND COOLING LOADS AS SPECIFIED. CONTROL VALVES SHALL BE SUITABLE FOR THE PRESSURE CONDITIONS AND SHALL CLOSE AGAINST THE DIFFERENTIAL PRESSURE INVOLVED.

1. THE EXISTING CONTROL SYSTEM IS TO BE MODIFIED BY THE OWNERS EXISTING

3. CONTROL CONTRACTOR SHALL PROVIDE ALL WIRING REQUIRED FOR THE CONTROL SYSTEM TO OPERATE. IF THE JOB CONTAINS SMOKE DAMPERS OR CAV/VAV BOXES THEY SHALL ALSO BE WIRED BY T.C.C.

VALVE OPERATORS SHALL BE OF THE PNEUMATIC OR ELECTRIC 24 VOLT TYPE.

SHALL CONFORM TO PIPE SCHEDULE ELSEWHERE IN THIS SPECIFICATION.

BODY PRESSURE RATING AND CONNECTION TYPE (SCREWED FLANGED OR FLANGED)

- 4. MOUNT THERMOSTATS 48" A.F.F. ALIGN WITH LIGHT/SWITCHES, DOOR SWINGS AND OTHER WALL MOUNTED DEVICES. COORDINATE LOCATION WITH ARCHITECT. 5. PROGRAMMABLE TYPE THERMOSTATS SHALL BE HONEYWELL "7300" SERIES OR AS RECOMMENDED BY EQUIPMENT MANUFACTURER. THERMOSTAT SHALL BE
- COOLING-HEATING COMBINATION OF STAGES MATCHING THE AIR CONDITIONING EQUIPMENT, WITH "COOL-AUTO-HEAT-OFF" AND FAN "AUTO-ON-OFF" SELECTOR SWITCHES. PROVIDE TAMPERPROOF COVER.

### 15990 - TEST AND BALANCE

- A. PROVIDE COMPLETE TEST AND BALANCE OF ALL WATER AND AIR SYSTEMS IN ACCORDANCE WITH NEBB (NATIONAL ENVIRONMENTAL BALANCING BUREAU) OR AABC (ASSOCIATED AIR BALANCE COUNCIL) STANDARDS
- B. TEST AND BALANCE FIRM TO BE:
- 1. CERTIFIED TEST & BALANCE (561) 961-5068, OR (954) 532-4772.
- 2. DADE TEST AND BALANCE, INC. (954) 791-3194.
- 3. TOTAL DYNAMIC BALANCE (954) 425-0764. 4. EARL HAGOOD, INC. - (305) 266-7070.
- CONTRACTOR SHALL:

OR APPROVED EQUAL.

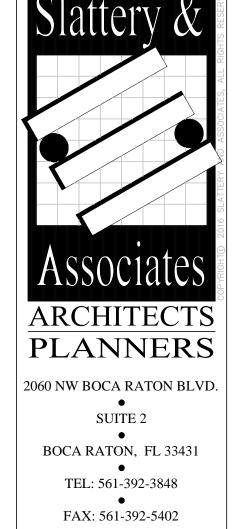
- 1. VISIT SITE AT START OF PROJECT AND COORDINATE REQUIRED BALANCING EQUIPMENT AND DAMPERS WITH MECHANICAL CONTRACTOR.
- a. MAKE CHANGES TO BELTS, PULLEYS, DAMPERS, VOLUME BOXES, ETC. TO OBTAIN
- DESIGN CONDITIONS AS REQUIRED BY TAB PROCEDURES. b. BALANCE SUPPLY, RETURN AND EXHAUST AIR OUTLETS WITHIN 10% OF DESIGN WHILE MAINTAINING REQUIRED PRESSURE RELATIONSHIPS. RECORD DESIGN AND
- c. MEASURE AND REPORT FAN RPM, FAN SUCTION PRESSURE, FAN DISCHARGE PRESSURE, FAN TOTAL PRESSURE AND PRESSURE DROP ACROSS COMPONENTS.

ACROSS EACH COIL AND AT EACH SUPPLY DISCHARGE AND RETURN INLET AT UNIT.

- DESIGN AND ACTUAL SUPPLY, RETURN, OUTSIDE AND EXHAUST AIR. d. ACTUAL AND DESIGN NAMEPLATE AMPERAGE ON FAN MOTORS. e. PRESSURE DIFFERENTIAL ACROSS DUCT SMOKE DETECTORS.
- f. ADJUST FANS FOR LOWEST STATIC PRESSURE REQUIRED TO DELIVER TO OUTLETS AS NOTED IN NEBB OR AABC PROCEDURES. MEASURE SUPPLY AND RETURN ENTERING AND LEAVING TEMPERATURES (DB/WB)
- PROVIDE WRITTEN REPORT AT LEAST ONE WEEK BEFORE FINAL INSPECTION AND A TECHNICIAN DURING FINAL INSPECTION OF PROJECT

3. CONFIRM OPERATION AND PROPER CALIBRATION OF ALL CONTROLS, THERMOMETERS AND

REVISIONS



WWW.SLATTERYARCHITECTS.COM

**PERMIT SET: 07/21/16** 



700 WEST HILLSBORO BLVD. - BLDG. #1, SUITE 204 DEERFIELD BEACH, FLORIDA 33441 TEL: (561) 391-9292 FAX: (561) 391-9898 CERTIFICATE OF AUTHORIZATION NO. 28107 URSULA IAFRATE, P.E. LICENSE #73122 STEPHEN F. ROLLIN, P.E. LICENSE #36428 DONALD H. AUSTIN, JR., PE LICENSE #60651JASON BARBER, P.E. LICENSE #73050 E-MAIL: INFO@FAECONSULTING.COM DESIGNED BY: DB/FR/AB PM: KS P/N: 16104

DB/FR/AB

CHECKED

UI/SR/DA/JB

DATE

07-21-16

AS NOTED

JOB NO. 16104

SHEET

PRIOR TO SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

1. ALL EXIT, EMERGENCY, AND BATTERY PACKS IN FLUORESCENT FIXTURES TO BE WIRED AHEAD OF CONTROL SWITCH.

2. ALL WALL MOUNTED EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED AT HEIGHTS INDICATED ON THE PLANS.

3. ALL DIMMER SWITCHES SHALL HAVE A PRESET MINIMUM RATING OF '

4. ALL FIXTURE COUNTS, SELECTIONS, AND EXACT LOCATIONS MUST BE VERIFIED WITH OWNER/ARCHITECT PRIOR TO PURCHASE. CONFIRM ALL LIGHT FIXTURE MODEL NUMBERS, FINISH COLORS AND ELECTRICAL REQUIREMENTS BEFORE ORDERING AND INSTALLATION.

5. ELECTRICAL CONTRACTOR TO VERIFY IF ANY LIGHTING FIXTURES REQUIRE STEP-DOWN TRANSFORMERS. QUANTITY AND LOCATION OF THE TRANSFORMERS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONSULT ARCHITECT FOR LOCATIONS PRIOR TO BIDDING. PROVIDE ALL TRANSFORMERS AND INCLUDE IN BID.

6. ALL LIGHTING FIXTURES AND FANS TO BE SELECTED & LOCATED BY OWNER /ARCHITECT/INTERIOR DESIGNER, UNLESS OTHERWISE NOTED.

7. ARCHITECT TO SET MOUNTING HEIGHTS FOR ALL FIXTURES WHERE APPLICABLE, UNLESS OTHERWISE NOTED.

8. CONTRACTOR TO VERIFY IF ANY LOW VOLTAGE LIGHT FIXTURES REQUIRE STEP-DOWN TRANSFORMERS, QUANTITY AND LOCATION TO E FIELD VERIFIED PRIOR TO CONSTRUCTION. PROVIDE ALL TRANSFORMERS AND INCLUDE IN BID.

9. ALL FIXTURES TO HAVE U.L. CERTIFICATION.

10. ALL EXISTING AND NEW LUMINARIES SHALL COMPLY WITH SECTION 410.130(G) DISCONNECTING MEANS OF THE NEC.

11. CONTRACTOR TO PROVIDE LUMINAIRES TO CONFORM TO ENERGY CODE THERMAL ENVELOPE RATINGS.

12. ALL SWITCHES TO BE WHITE DECORA STYLE.

### **GENERAL ELECTRICAL NOTES**

- DO NOT SCALE THE ELECTRICAL DRAWING. REFER TO THE ARCHITECTURAL PLAN AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT AND CONFIRM WITH OWNERS REPRESENTATIVES. CONTRACTOR SHALL REFER TO THE ENTIRE SET OF CONTRACT DOCUMENTS FOR PROJECT
- 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE EDITIONS CURRENTLY ADOPTED BY THE LOCAL AUTHORITIES HAVING JURISDICTION OF THE FOLLOWING: THE NATIONAL ELECTRICAL CODE (NFPA 70), NFPA 72, NFPA 75, THE FIRE PREVENTION CODE INCLUDING NFPA 1 & NFPA 101, NFPA 110, AND THE
- UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE COPPER, WITH "THHN" INSULATION FOR SIZE #10 AND SMALLER. CONDUCTORS LARGER THAN #10 SHALL HAVE "THWN" INSULATION. ALL
- CONDUCTORS IN WET LOCATIONS MUST HAVE "THWN" INSULATION. ALL CONDUCTORS #10 AND SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED. ALL CONDUCTORS MUST COMPLY WITH ARTICLE 310 OF THE N.E.C.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- 5. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK MAKE, QUICK BREAK, WITH ENCLOSURES AS REQUIRED BY EXPOSURE.
- 6. THESE PLANS DO NOT SHOW EVERY MINOR DETAIL OF CONSTRUCTION, THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND MEET ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- THE ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED IN ARTICLE 250, NATIONAL ELECTRICAL CODE. THE GROUNDING SYSTEM SHALL BE TESTED AND SHALL BE PROVIDED TO MEASURE A MAXIMUM OF 5 OHMS. PROVIDE A COPY OF THE TEST REPORT TO
- 8. ALL MATERIALS SHALL BE NEW AND SHALL BEAR U.L. LABELS WHERE APPLICABLE.
- 9. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANSHIP MANNER. THE COMPLETE SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTANCE BY ENGINEER/ARCHITECT MUST BE A CONDITION OF THE SUBCONTRACTOR.
- 10. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER, LIGHT

SHALL PROVIDE CIRCUITS TO SUIT JOB CONDITIONS, BALANCE LOADS ON EACH PHASE.

- COMPANY, TELEPHONE COMPANY, AND BROADBAND PROVIDER. 11. CIRCUITS SHOWN ON PLANS ARE TO DETERMINE LOAD DATA AND PANEL SIZE. THE CONTRACTOR
- 12. SEE NOTES ON PLANS FOR OTHER REQUIREMENTS.
- 13. FURNISH AND INSTALL LIGHTING FIXTURES AND LAMPS AS CALLED FOR ON PLANS, OR AS SELECTED
- 14. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROCESS OF CONSTRUCTION.
- 15. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY PHASE OF THE INSTALLATION WHICH MAY BE DAMAGED.
- 16. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OF PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- 17. CHECK ALL EQUIPMENT FOR PROPER VOLTAGE, PHASE, AND CURRENT BEFORE CONNECTION TO
- CIRCUITS AND START UP. 18. ELECTRICAL CONTRACTOR SHALL CHECK AND VERIFY EQUIPMENT FURNISHED AGAINST THOSE

SPECIFIED OR INTENDED AND REVISE BRANCH CIRCUITS AS MAY BE REQUIRED WITH PRIOR APPROVAL

- OF ENGINEER/ARCHITECT.
- 19. ALL SYSTEMS AND ROUGH-IN SHALL BE CONCEALED IN FINISHED AREAS. COORDINATE WITH ARCHITECT.
- 20. THE ELECTRICAL PORTION OF THE CONTRACT DOCUMENTS ARE COORDINATED WITH THE BASIS OF DESIGN EQUIPMENT SPECIFIED BY DIVISION 16 AND OTHER DIVISIONS. WHERE THE CONTRACTOR ELECTS TO SUBSTITUTE A PRODUCT IN LIEU OF PROVIDING THE DESIGN BASIS, AND SAID SUBSTITUTION IS ACCEPTED BY THE A/E AND OWNER, THE CONTRACTOR SHALL MAKE ALL CORRECTIONS TO THE ELECTRICAL SYSTEM NECESSARY IN ORDER TO ENSURE A COMPLETE AND OPERATIONAL INSTALLATION OF THE EQUIPMENT AT NO ADDITIONAL COSTS. WHERE THE CONTRACTOR'S DECISION TO SUBSTITUTE PRODUCTS OR MODIFY DESIGN REQUIRING A/E SERVICES, THE A/E RESERVES THE RIGHT TO REQUEST COMPENSATION FROM THE CONTRACTOR FOR SAID
- 21. CONTRACTOR SHALL PROVIDE A CONTROLS TRADE SUBCONTRACTOR TO DESIGN AND INSTALL ALL CONTROLS TO MEET THE PROJECT REQUIREMENTS.

AIR CONDITIONING EQUIPMENT AND CONTROLS SPECIFICATION

OWNER.

- ELECTRICAL CONTRACTOR SHALL INSTALL ALL CONTROL RACEWAY (CONDUIT), WIRE INSTALLATION, CONNECTIONS ETC. IN ACCORDANCE WITH WIRING DIAGRAMS ON AIR EQUIPMENT. A/C / ELECTRICAL PLANS OR DIAGRAMS FURNISHED BY MANUFACTURER OF THE EQUIPMENT.
- ALL POWER WIRING FOR THE AIR CONDITIONING EQUIPMENT SHALL BE FURNISHED, INSTALLED AND CONNECTED UNDER THIS SECTION OF THE SPECIFICATION. MECHANICAL CONTRACTOR SHALL PROVIDE MOTOR STARTERS FOR ALL AIR CONDITIONING EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONNECTIONS TO AIR CONDITIONING EQUIPMENT PER MANUFACTURERS SPECIFICATIONS.
- AIR CONDITIONING EQUIPMENT INCLUDES CONDENSER, COMPRESSOR AND FAN, FAN COIL UNITS, ELECTRICAL STRIP HEATER, THERMOSTAT, ETC.

SALVAGED MATERIALS, EQUIPMENT, AND FEEDERS SHALL BE DELIVERED TO THE OWNER AT HIS PROPERTY AND STORED WITHIN THE BUILDING WHERE DIRECTED. ANY REMOVED MATERIALS OR EQUIPMENT WHICH THE OWNER DOES NOT WISH TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR, WITHOUT ADDITIONAL COST TO THE

### **LOW VOLTAGE NOTES**

**FBC NOTE** 

PROVIDE A STRUCTURED CABLING SYSTEM (SCS) FOR THE TV/CABLE/TELEPHONE DROPS, COORDINATI DESIGN, TYPE OF CABLE, AND FINAL LOCATIONS WITH OWNER/ARCHITECT PRIOR TO CONSTRUCTION. CONTRACTOR TO DESIGN/BUILD AND COMPLY WITH NEC AND EIA/TIA STANDARDS.

**ELECTRICAL SYMBOL LEGEND** 

Ш

110 V RECEPTACLE

QUAD-PLEX RECEPTACLE

WP WATER PROOF WITH WR TYPE

GFI GROUND FAULT CIRCUIT INTERRUPTER

VERIFY MOUNTING HEIGHT WITH

FLOOR RECEPTACLE WITH COVER

FLOOR RECEPTACLE/TELE/FAX/DATA WITH COVER PLATE, FLUSH WITH FLOOR

FLOOR TELE/FAX/DATA PORT WITH

CEILING TELE/FAX/DATA PORT \*\*

COVER PLATE, FLUSH WITH FLOOR

▲ TELE/FAX/DATA PORT \*\*

TELEVISION JACK \*\*

POWER POLE FOR SYSTEM FURNITURE (TELE/DATA/POWER)

T/D RECESSED JUNCTION BOX FOR SYSTEM

FURNITURE TELEPHONE/DATA

REMOTE ALARM TEST STATION

(**2**)<sub>DD</sub> SMOKE DUCT DETECTOR

TT STEP DOWN TRANSFORMER

CCP CENTRAL CONTROL PANEL

EQUIPMENT REQUIREMENTS.

EQUIVALENT TO THE BASIS OF DESIGN UL LISTING.

PRODUCT DATA SUBMISSION AND INSTALLATION.

COMPLETE INSTALLATION DRAWINGS.

AND MAINTENANCE MANUALS.

\* NOTE: ALL SYMBOLS MAY NOT BE USED FOR THIS PROJECT

1. CONTRACTOR IS CAUTIONED TO OBTAIN COMPLETE EQUIPMENT

PRODUCT DATA FROM ARCHITECT, PRIOR TO BIDDING AND ROUGH-IN.

2. CONTRACTOR SHALL PROVIDE NEMA OUTLET TO MEET PROJECT AND

3. CONTRACTOR TO PROVIDE MATCHING NEMA CAP/CORD AS REQUIRED.

\* \* PROVIDE 1"C WITH PULL WIRE UNLESS OTHERWISE NOTED. STUB UP 6" ABOVE CEILING.

RECEPTACLES ARE TO BE MOUNTED AT 18" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.

SPECIAL PURPOSE OUTLET NOTES

**UL LISTING AND NRTL CERTIFICATIONS NOTE** 

T IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM ACCEPTABILITY BY THE LOCAL AHJ AND AGENCIES FOR THE

CONTRACTOR/MANUFACTURER SHALL PROVIDE COMPLETE DOCUMENTATION AND CERTIFICATIONS FOR ANY

EQUIPMENT THAT HE PROPOSES WITH A NRTL (NATIONALLY RECOGNIZED TESTING LAB) LISTING AND LABELING

NRTL LISTING AND CERTIFICATION FOR THE PRODUCTS HE PROPOSES AND DEMONSTRATE SUCH AS PART OF THE

1. CONTRACTOR SHALL COMPLY WITH FBC (C408.2.5.1). PROVIDE OWNER WITH A RECORD SET DRAWING (

2. CONTRACTOR SHALL COMPLY WITH FBC (C408.2.5.2). PROVIDE OWNER WITH OPERATIONAL MANUALS

SWITCHES ARE TO BE MOUNTED AT 48" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.

RECESSED JUNCTION BOX FOR SYSTEM

JUNCTION BOX

FURNITURE POWER

(EF) EXHAUST FAN

THERMOSTAT

SPECIAL PURPOSE OUTLET (VERIFY)

PLATE, FLUSH WITH FLOOR

CEILING RECEPTACLE

RECEPTACLE MOUNTED ABOVE COUNTER

OWNER/ARCHITECT PRIOR TO ROUGH IN

FUSE DISCONNECT

ELECTRICAL PANEL

ELECTRICAL METER

CLOCK/PANEL

3-WAY SWITCH

4-WAY SWITCH

DIMMER SWITCH

PUSH BUTTON

BY OTHERS

MANUAL MOTOR STARTER

SENSOR DOOR OPENER/CARD READER

ALARM BY OTHERS \*\*

ISOLATED GROUND

CEILING MOUNTED

ABOVE COUNTER

UNDER COUNTER

VERIFY IN FIELD

OWNER/ARCH

 $\top$ 

NO SYMBOL NEW

ABOVE FINISHED FLOOR

TELEPHONE GROUND BAR

EXISTING - COORDINATE REPLACING

COVER PLATES W/ OWNER/ARCH

RELOCATED EXISTING - COORDINAT

REPLACING COVER PLATES W/

ABOVE SHOW WINDOW

SWITCH

TELEPHONE BOARD

LIGHTING CONTROL TIME

ELECTRICAL CIRCUIT BREAKER

FACTORY INSTALLED DISCONNECT

### SCOPE OF WORK

EQUIPMENT/FEEDER REMOVAL NOTES

THE PROJECT CONSISTS OF AN EXISTING CLUBHOUSE IMPROVEMENT AND ADDITION INCLUDING A REMOTE TENNIS OFFICE. UPGRADING ELECTRICAL SYSTEMS – POWER, LIGHTING AND SIGNAL

### FIRE RATING NOTE

ALL DEVICES PENETRATING FIRE RATED WALLS SHALL BE PROVIDED WITH U.L. APPROVED FIRE RATED ASSEMBLIES. (EQUAL TO WALL FIRE RATING -SEE ARCHITECTURAL DRAWINGS)

### COORDINATION NOTES

CONTRACTOR TO COORDINATE ALL FINAL LOCATIONS, ANY TYPES OF ALL DEVICES, AND EQUIPMENT WIT ARCHITECT PRIOR TO BID AND ROUGH-IN.

CONTRACTOR TO COORDINATE VARIOUS TRADES TO AVOID ABOVE CEILING CONFLICTS.

### FLORIDA BUILDING CODE 2014 CONFORMANCE

- RELATED SECTIONS, AND STANDARDS.
- OWNER SHALL PROVIDE SERVICES OF AN INDEPENDENT COMMISSIONING AGENT(CxA) TO PREPARE FUNCTIONA TEST PROCEDURES (DOCUMENT SYSTEMS PERFORMANCE, WITNESS CONTRACTOR TESTING), AS REQUIRED BY
- CONTRACTOR SHALL PROVIDE SERVICES TO TEST, BALANCE AND COMMISSION THE SYSTEM VIA AN
- CONTRACTOR TO PROVIDE COMPLETE CERTIFICATIONS AND CHECKLISTS AS REQUIRED BY FBC FOR HIS WORK

### **GENERAL DEMOLITION NOTES**

- CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN RELOCATING WIRING DEVICES, EQUIPMENT AND LIGHTING FIXTURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT OTHER WIRING DEVICES, EQUIPMENT, AND LIGHTING FIXTURES THAT MAY BE CONNECTED ON THE SAME CIRCUIT REMAIN
- INFORMATION SHOWN ON THESE DOCUMENTS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR TO FIELD VERIFY ELECTRICAL CIRCUIT HOME RUNS TO ALL ELECTRICAL ITEMS SCHEDULED FOR DEMOLITION AND PERFORM THE WORK AS INTENDED AND DEPICTED ON THE DRAWINGS.
- UPDATE ALL ELECTRICAL PANEL BOARD DIRECTORIES THAT ARE AFFECTED BY THE DEMOLITION AND/OF RENOVATIONS. DIRECTORIES SHALL BE TYPED.
- . STORE ITEMS INDICATED TO BE RETURNED TO THE OWNER IN A DRY, CLEAN, AND PROTECTED AREA. NOTIFY OWNER WHEN ITEMS ARE READY TO BE REMOVED.
- 5. COORDINATE ANY ALTERATION AND CHANGES TO THE ELECTRICAL SERVICE WITH THE LOCAL UTILITY
- PRE SCHEDULE ALL POWER INTERRUPTIONS WITH OWNER. GIVE OWNER 48 HOURS NOTICE PRIOR TO DISCONNECTING POWER TO ANY PORTION OF THE BUILDING AND MAKE ARRANGEMENTS TO MAINTAIN POWER TO ALL CRITICAL EQUIPMENT AS NEEDED AND REQUESTED BY OWNER.
- CONTRACTOR IS RESPONSIBLE OF BECOMING FULLY INFORMED AS TO EXISTING CONDITIONS AT THE SITE. NEITHER THE OWNER NOR THE A/E MAKES ANY REPRESENTATION WARRANTY AS TO SITE CONDITIONS.
- 8. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE NATURE AND EXTENT OF THE WORK TO BE PERFORMED AND LOCAL CONDITIONS THAT MAY AFFECT THE WORK.
- . DUE TO REMOVAL OR CORRECTION TO ANY WALLS OR OTHER CONSTRUCTION NECESSITATING CAPPING OF EXISTING ELECTRICAL WIRING DEVICES OR ANY OTHER ELECTRICAL EQUIPMENT INCLUDING RECONNECT OF SUCH EXISTING ITEMS IS CONSIDERED TO BE PART OF THE WORK UNDER THIS CONTRACT. ALL EXISTING OUTLETS SHOWN TO REMAIN WILL REMAIN ACTIVE. THE REWIRING SHALL BE INCLUDED UNDER THIS CONTRACT WITHOUT ADDITIONAL COST TO OWNER.
- 10. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING CODES: NATIONAL ELECTRICAL CODE (NEC) NATIONAL FIRE PROTECTION AGENCY (NFPA) FLORIDA BUILDING CODE
- WHERE CONDUIT IS INACCESSIBLE, REMOVE CONDUCTORS AND CUT BACK CONDUIT FLUSH WITH SLAB OR WALL. PATCH OPENING TO MATCH EXISTING FINISH. WHERE EXISTING WIRING EXTENDS OUTSIDE OF THE AREA BY NATURE OF THE ORIGINAL INSTALLATION, CONTRACTOR SHALL MODIFY EXISTING WIRING AS REQUIRED TO MAINTAIN CONTINUITY OF EXISTING CIRCUITRY SUCH THAT NO EQUIPMENT TO REMAIN IS LEFT WITHOUT SERVICE.
- 12. THE CONTRACTOR IS TO GIVE THE OWNER AN OPPORTUNITY TO ACCEPT ANY ELECTRICAL ITEMS THAT WERE REMOVED FOR THEIR USE. SALVAGED MATERIALS, AND EQUIPMENT THE OWNER DOES NOT WISH TO KEEP SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF BY THE CONTRACTOR, WITHOUT ADDITIONAL COST TO THE OWNER.
- 13. CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND LIGHTING WHERE REQUIRED DURING DEMOLITION AND CONSTRUCTION SCOPE OF WORK.
- 14. THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS ARE TAKEN FROM ORIGINAL DRAWINGS PROVIDED BY THE OWNER AND FIELD INVESTIGATION. THE ACTUAL CONDITIONS MAY VARY, ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. THE CONDITIONS SHOWN ARE INTENDED TO SHOW THE LOCATIONS OF THE EXISTING EQUIPMENT, AND IN NO WAY RELIEVES THE CONTRACTOR FROM PROVIDING ANY AND ALL COORDINATION REQUIRED TO COMPLETE THE NEW WORK. FIELD CONDITIONS SHALL GOVERN.
- 15. THE DEMOLITION PLAN IS NOT INCLUSIVE OF ALL ELECTRICAL DEVICES WITHIN THE PROJECT AREA. IT IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF THE EXISTING CONDITIONS WITHIN THE PROJECT AREA. ANY DISCREPANCIES OR CONDITIONS NOT SHOWN ON THIS PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT.
- 16. ALL CONDUITS SERVING OTHER SPACES OR FLOORS, THAT RUN THROUGH THE PROJECT AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION, SO AS NOT TO CAUSE ANY DISRUPTION TO THESE OTHER SPACES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL CONDUITS, NEW OR EXISTING WITHIN THE PROJECT AREA ARE PROPERLY SUPPORTED AND PROVIDED WITH BONDING BUSHINGS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- 17. THE CONTRACTOR SHALL PHASE DEMOLITION WORK AS REQUIRED OR DIRECTED BY THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR PATCHING ANY DAMAGE WHICH MAY OCCUR DURING DEMOLITION ACTIVITIES. REPAIRS TO BE DONE TO LOGICAL EDGES OF SURFACES AFFECTED, AND SHALL MATCH IMMEDIATE ADJACENT AREAS IN CONSTRUCTION, MATERIAL, FIRE RATING, FINISH AND
- 19. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR AND SHALL BE COORDINATED WITH OTHER TRADES.

### **VOLTAGE DROP NOTE**

THE CONTRACTOR, AS PART OF HIS PRICING AND BIDDING, SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT AND TERMINATIONS. INCLUDING FPL AND UTILITY REQUIREMENTS AND APPROVALS FOR ALL CONDUCTORING AND TERMINATIONS, TO SATISFY THE PROJECT REQUIREMENTS. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND INCLUDE ALL HIS BRANCH CIRCUIT, FEEDER, AND SERVICE CONDUCTOR CONDUITING AND WIRING LENGTHS AND ROUTING BASED ON HIS PROPOSED INSTALLATION MEANS AND METHODS. WIRING LENGTHS, SHOWN AS THE BASIS OF DESIGN LENGTHS, ARE MERELY AN APPROXIMATION BY THE CONSULTANT. THE CONTRACTOR SHALL USE THOSE BASIS OF DESIGN CONDUCTOR LENGTHS AND WIRING SIZES AS THE, MINIMUM, NOT LIMITED TO, REQUIREMENTS FOR THE PROJECT BIDDING. THE CONTRACTOR, PRIOR TO BIDDING, SHALL CONFIRM ALL HIS PROPOSED LENGTHS, MAKE ANY AND ALL ADJUSTMENTS AS MAY IMPACT THE ELECTRICAL SYSTEMS AND EQUIPMENT FOR CODE COMPLIANCE AND CONSTRUCTABILITY, AND DOCUMENT ALL PROPOSED CHANGES AND ADJUSTMENTS TO THE ARCHITECT AS PART OF HIS BID RESPONSE. THE CONTRACTOR SHALL SUBMIT COMPLETE SCALED PROPOSED ROUTINGS FOR SERVICES AND FEEDERS, QUANTITIES AND CONDUCTORING, SECTIONS THRU BUILDING FOR RACKING, DUCTBANK CROSS SECTIONS FOR CLEARANCES AND COORDINATED AS FREE OF ALL NTERFERENCES, ETC. CONTRACTOR SHALL SUBMIT ALL DOCUMENTATION TO THE ARCHITECT FOR REVIEW NO LATER THAN 3 WEEKS AFTER NOTICE TO PROCEED.

### **LIGHTING CONTROLS - FBC 2014 NOTE**

DAYLIGHTING CONTROL SENSORS AND LOCAL CONTROLS ARE INDICATED IN A DIAGRAMMATICAL MANNER AND PER DUR INTERPRETATION AND UNDERSTANDING OF THE CURRENT FBC 2014. CONTRACTOR AND HIS MANUFACTURER SHALL PROVIDE A COMPLETE LIGHTING CONTROL SYSTEM THAT COMPLIES WITH THE REQUIREMENTS OF THE LOCA AUTHORITIES AND THE CURRENT FBC. CONTRACTOR AND MANUFACTURER SHALL DESIGN AND INSTALL THE SYSTEMS, PREPARE A COMPLETE LIGHTING CONTROL AND DAYLIGHTING CONTROL SYSTEM DRAWINGS INCLUDING ZONES, ANY ADJUSTED BRANCH CIRCUIT, SWITCHING LOCATIONS, DAYLIGHT CONTROL SENSOR LOCATIONS. PRODUCT DATA AND SPECIFICATIONS, WIRING AND INTERCONNECTION WIRING DIAGRAMS, CONDUIT DIAGRAMS, CABLING DIAGRAMS, TESTING AND COMMISSIONING SERVICES, TRAINING SERVICES FOR OWNER, ARCHITECT AND ENGINEER REVIEW. PROVIDE AS BUILDS.

CONTRACTOR, AS HIS OPTION AND WITH OWNER/ ARCHITECT APPROVAL, MAY PROVIDE LIGHTING FIXTURES WITH BUILT-IN PHOTO SENSORS ON ALL FIXTURE TYPES WITH THIS OPTION/CAPABILITY FOR ALL REQUIRED AREAS PE FBC 2014. FOR ALL OTHER FIXTURE TYPES, CONTRACTOR TO USE CEILING MOUNTED PHOTO SENSORS IN REQUIRED LIGHTING ZONE AREAS.

### **ELECTRICAL SHEET INDEX** DESCRIPTION ELCTRICAL NOTES, LEGEND & SPECS POWER PLAN LIGHTING PLAN ELECTRICAL RISER ELECTRICAL SCHEDULES ELECTRICAL DETAILS E6.1 ELECTRICAL SPECIFICATIONS

### CONTRACTOR GENERAL CONDITIONS NOTES

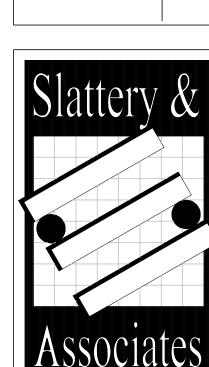
SEE FIRE ALARM DRAWINGS MADE PART OF THE CONTRACT DOCUMENTS

- RFI'S: CONTRACTOR SHALL SUBMIT RFI'S WITH HIS PROPOSED SOLUTION IN A TIMELY MANNER. CONTRACTOR RECOGNIZES THE CONSULTANT SHALL REQUIRE UP TO 5 WORKING DAYS TO RESPOND.
- SUBMITTALS AND PRODUCT DATA: CONTRACTOR SHALL PREPARE A SUBMITTAL SCHEDULE FOR APPROVAL BY THE A/E. CONTRACTOR RECOGNIZES THE CONSULTANT SHALL REQUIRE UP TO 10 WORKING DAYS TO REVIEW SUBMISSIONS. ALL SUBMITTALS, PRODUCT DATA, SHALL BE CLEARLY STAMPED AND INDICATED APPROVED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE CONSULTANT.
- SHOP DRAWINGS: CONTRACTOR SHALL PREPARE A SHOP DRAWING SCHEDULE FOR APPROVAL BY THE A/E. CONTRACTOR RECOGNIZES THE CONSULTANT SHALL REQUIRE UP TO 10 WORKING DAYS TO REVIEW SHOP DRAWINGS. ALL SHOP DRAWINGS, SHALL BE CLEARLY STAMPED AND INDICATED APPROVED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE CONSULTANT.
- LAYOUT AND COORDINATION DRAWINGS: CONTRACTOR SHALL PREPARE SCALED COMPREHENSIVE COORDINATED LAYOUT DRAWINGS. PROVIDE SECTIONS, GENERAL ARRANGEMENTS, ELEVATIONS INCLUDING ALL DISCIPLINES FOR HIS PROPOSED LAYOUT AND ROUTING PRIOR TO FABRICATION. SUBMIT TO OWNER AND A/E FOR REVIEW AND GENERAL CONFORMANCE. PROVIDE DRAWINGS THAT DEMONSTRATE VIA COORDINATED ELEMENTS AND SYSTEMS WITH STRUCTURE THAT CLEARLY INDICATE PROPOSED SYSTEMS WILL FIT, FUNCTION AS INTENDED, BE FREE OF INTERFERENCES AND CONFORM TO REQUIRED CODE AND MANUFACTURER WORKING AND MAINTENANCE CLEARANCES.
- 5. DEVIATIONS FROM BASIS FOR DESIGN SYSTEMS SHALL BE CLEARLY IDENTIFIED ON ALL SUBMISSIONS.
- A. CONTRACTOR SHALL PREPARE REQUESTS WITH COMPLETE COORDINATION INFORMATION, INCLUDE ALL CHANGES REQUIRED IN OTHER ELEMENTS OF THE WORK TO ACCOMMODATE THE SUBSTITUTION INCLUDING WORK PERFORMED BY THE OWNER AND THE SEPARATE CONTRACTORS.
- B. PROVIDE COMPLETE SUPPORTING DATA QUALIFYING THE SUBSTITUTION COMPARED TO THE BASIS OF DESIGN SYSTEM. PROVIDE A DETAILED LIST OF ANY VARIANCES, PHYSICAL OR SPATIAL LAYOUTS, ELEVATIONS, ETC. TO THE BASIS OF DESIGN.
- C. PROVIDE A STATEMENT INDICATING THE EFFECT THE SUBSTITUTION WILL HAVE ON THE WORK SCHEDULE IN COMPARISON TO THE SCHEDULE WITHOUT APPROVAL OF THE PROPOSED SUBSTITUTION, INCLUDE INFORMATION REGARDING THE EFFECT OF THE PROPOSED SUBSTITUTION ON THE CONTRACT
- D. PROVIDE CERTIFICATION BY THE CONTRACTOR TO THE EFFECT THAT, IN THE CONTRACTOR'S OPTION, AFTER THOROUGH EVALUATION, THE PROPOSED SUBSTITUTION WILL RESULT IN WORK THAT IN EVERY SIGNIFICANT RESPECT IS EQUAL TO OR BETTER THAN THE WORK REQUIRED BY THE CONTRACTOR
- DOCUMENTS AND THAT IT WILL PERFORM ADEQUATELY IN THE APPLICATION INDICATED. E. CONSULTANT'S EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR OR APPROVED BY THE OWNER SHALL BE COMPENSATED TO THE CONSULTANT BY
- AS-BUILT DRAWINGS: THE CONTRACTOR SHALL MAINTAIN AND PREPARE A COMPLETE AND ACCURATE SET OF AS-BUILTS DURING THE PROJECT AND ISSUE TO THE A/E AND OWNER AT PROJECT CLOSEOUT. DURING THE COURSE OF THE PROJECT, THE CONTRACTOR SHALL ISSUE SKETCHES OR SCALED DRAWINGS FOR FIELD CHANGES THAT ARE PROPOSED OR MADE WHICH VARY FROM THE BASIS OF DESIGN. CONSULTANT EXPENSES THAT ARE INCURRED DUE TO SERVICES OR REVISIONS REQUIRED BY BUILDING DEPARTMENT, OWNER, CONTRACTOR, AND MANUFACTURER SHALL BE COMPENSABLE TO THE CONSULTANT BY THE CONTRACTOR.
- INSTALLATION, TESTING AND BALANCING, START UP, COMMISSIONING AND PERFORMANCE TROUBLESHOOTING OF SYSTEMS- CONTRACTOR RECOGNIZES HE IS SOLELY RESPONSIBLE FOR PERFORMANCE AND COMPLETION OF THESE SERVICES AS PART OF THE PROJECT REQUIREMENTS. DURING THE COURSE OF THE PROJECT, THE CONTRACTOR SHALL DOCUMENT THE SERVICES COMPLETED TO THE OWNER AND A/E. CONSULTANT EXPENSES THAT ARE INCURRED DUE TO SUPPORTING SERVICES OR REVISIONS REQUIRED BY BUILDING DEPARTMENT, OWNER, CONTRACTOR, AND MANUFACTURER SHALL BE COMPENSABLE TO THE CONSULTANT BY THE CONTRACTOR.

### **LIFE SAFETY NOTE**

RATED WALLS, CONSTRUCTION. 2. PROVIDE COMPLETE REQUIRED FIRE DAMPERS, FIRE/SMOKE DAMPERS, REALASING F.A. SMOKE DETECTORS, HVAC INTERLOCKING ETC. TO MEET AHJ/PERMIT/C.O.O. REQUIREMENTS 3. COORDINATE WITH ALL PROJECT DRAWINGS.

REVISIONS



**ARCHITECTS PLANNERS** 

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TEL: 561-392-3848

2060 NW BOCA RATON BLVD.

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E REJ ODFIEL BHOU! AND]

1. CONTRACTOR IS CAUTIONED TO REFER TO ARCHITECT'S LIFE SAFETY DRAWINGS FOR

**PERMIT SET: 07/21/16** 



700 WEST HILLSBORO BLVD. - BLDG. #1, SUITE 204 DEERFIELD BEACH, FLORIDA 33441 TEL: (561) 391-9292 FAX: (561) 391-9898 CERTIFICATE OF AUTHORIZATION NO. 28107 URSULA IAFRATE, P.E. LICENSE #73122 STEPHEN F. ROLLIN, P.E. LICENSE #36428 DONALD H. AUSTIN, JR., PE LICENSE #60651 JASON BARBER, P.E. LICENSE #73050 E-MAIL: INFO@FAECONSULTING.COM

DESIGNED BY: DB/FR/AB PM: KS P/N: 16104

DRAWN

DB/FR/AB

CHECKED UI/SR/DA/JB

> DATE 07-21-16

> > SCALE

AS NOTED

JOB NO.

16104 SHEET

CONTRACTOR TO PROVIDE ALL LABOR AND MATERIAL TO CONFORM TO FBC 2014 ENERGY COMPLIANCE,

FBC FOR LIGHTING AND HVAC SYSTEMS.

INDEPENDENT AGENT FOR THE MECHANICAL SYSTEMS ENERGY PERFORMANCE.

### LIGHTING CONTRACTOR BID OPTION

CONTRACTOR TO PROVIDE INDIVIDUAL ZONE LIGHTING CONTROLS AS REQUIRED PER FBC 2014 AND AHJ.

PRIOR TO SUBMITTING THE BID. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

POWER PLAN

TENNIS BLDG. NEW OFFICE

SCALE: 3/16" = 1'-0"

\$\phi\_{\text{CONSTRUCTION}}\$

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## WOODFIEI

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PRIOR TO SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND  $\parallel$ INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF

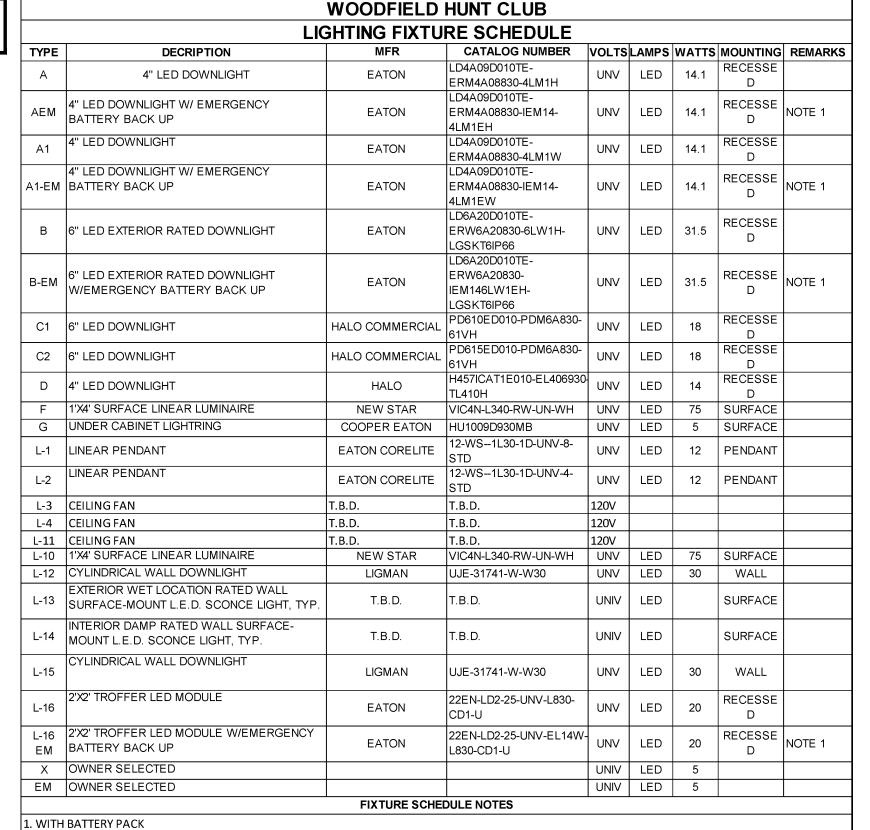
RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION.

NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

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NEW



2. MINIMUM LAMP COLOR TEMPERATURE SHALL BE 3500K. 3. SEE LIGHTING PLAN FOR EXIT SIGN CHEVRON REQUIREMENTS.

4. COORDINATE ALL LIGHTING FIXTURE TYPES WITH ARCHITECT PRIOR TO BID/PURCHASE.

FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT RYAN HUFF @ LIGHTING DYNAMICS- 772-285-7169

### INTERIOR LIGHTING POWER ALLOWANCE PER FLORIDA BUILDING CODE CALCULATIONS HAVE BEEN MADE TO VERIFY THAT LIGHTING LEVELS COMPLY WITH ENERGEY CONSERVATION CODE, ENERGY SECTION OF THE 2014 FLORIDA BUILDING CODE LIGHTING POWER DENSITIES PER TABLE C405.5.2(2) ROOM NUMBER ALLOWED USED ROOM NAME MEETING ROOM 1.2 W/SQ FT \* 1258 SQ FT = 1510 WATTS | 490.2 WATT 0.8 W/SQ FT \* 138 SQ FT = 110 WATTS | 54.0 WATTS FURNITURE STORAGE MECH EQUIPMENT RM 114 1.1 W/SQ FT \* 57 SQ FT = 63 WATTS | 36.0 WATTS 0.7 W/SQ FT \* 82 SQ FT = 57 WATTS | 42.3 WAT HALLWAY 1.0 W/SQ FT \* 302 SQ FT = 302 WATTS 172.0 WATTS RESTROOMS 115, 116 0.8 W/SQ FT \* 28 SQ FT = 22 WATTS | 18.0 WATT **FURNITURE STORAGE** 119 WARMING KITCHEN 1.2 W/SQ FT \* 200 SQ FT = 240 WATTS | 169.0 WATTS 117 108, 109 | 1.0 W/SQ FT \* 121 SQ FT = 121 WATTS | 88.0 WATTS UNISEX BATHROOMS 0.9 W/SQ FT \* 1367 SQ FT = 1230 WATTS | 369.6 WATT FITNESS ROOM 0.8 W/SQ FT \* 122 SQ FT = 98 WATTS 75.0 WATT GYM EQUIP. CLOSET 110 103, 105 | 1.1 W/SQ FT \* 228 SQ FT = 251 WATTS | 126.9 WATTS VESTIBULE 0.9 W/SQ FT \* 580 SQ FT = 522 WATTS | 253.8 WATTS AEROBICS ROOM 104

TOTAL ALLOWED: 4526 WATTS TOTAL USED: 1894.8 WATTS WOODFIE

20V/277V Transformer Power LiteKeeper 8 **Dedicated Circuit** 

Lighting Control Panel with 8 relays and astronomical time-clock for control of exterior lighting

Cables

	RS232	RS-232 Cable (6 feet), provided with product
$\bigcirc$	CAN	Use Cooper Controls LCCNP non-plenum cable or LCCP plenum cable
$\Diamond$	LV3	Low Voltage Input wire - #18 AWG, 3 conductor wire

**PERMIT SET:** 07/21/16



PRIOR TO SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

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E2.1

PERMIT

**ELECTRICAL SERVICE & PANEL NOTES** I. ALL ELECTRICAL SERVICE EQUIPMENT IS EXISTING TO REMAIN. 2. ALL ELECTRICAL EQUIPMENT AND WIRE SHALL BE RATED @ 75°C CONTINUOUS DUTY. 3. PRIOR TO CONSTRUCTION, THE ELECTRICAL CONTRACTOR SHALL: a) VERIFY ALL EXISTING CONDITIONS IN FIELD b) COORDINATE THE ELECTRICAL SERVICE WITH FP&L REPRESENTATIVE c) NOTIFY THE ENGINEER OF ANY CHANGES REQUIRED TO COMPLETE NEW CONSTRUCTION. 4. ALL ELECTRICAL EQUIPMENT SHALL BE FIELD MARKED TO WARN OF POTENTIAL ELECTRICAL ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE BEFORE ANY EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT. 5. EACH DISCONNECT SHALL BE LEGIBLY MARKED TO INDICATE THE UNIT IT IS FEEDING. THE MARKING SHALL BI OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. PANEL FEEDER NOTE THE ELECTRICAL CONTRACTOR SHALL VERIFY THE LENGTH OF ALL BRANCH CIRCUITS IN FIELD AND SHALL MAINTAIN LESS THAN 3% VOLTAGE DROP. INCREASE FEEDER SIZES AS REQUIRED. SEE VD CALCULATIONS ON

THIS PAGE FOR ADDITIONAL INFORMATION.

NO.2

**ELECTRICAL PANEL NOTES** BASIS OF DESIGN PANELBOARD MANUFACTURER AND STYLE IS SQUARE-D. CONTRACTOR MAY SUBMIT ALTERNATE BID MANUFACTURERS: GE, SIEMENTS, EATON SUBJECT TO MEETING BID PROJECT REQUIREMENTS AND EQUIVALENT TO BASIS OF

**LEGEND** 

- - EXISTING

XXX REMOVE

CONTRACTOR IS CAUTIONED TO PREPARE TYPED, LEGIBLE, ACCURATE AS BUILD DIRECTIONS IN STRICT COMPLIANCE WITH ARTICLE 408.4 OF 2011 NEC.

PROVIDE (2) GROUND RODS AT EACH LOCATION. (AT MINIMUM SEPARATION DISTANCE OF TWICE THE ROD LENGTH) 2. PROVIDE ERITECH OR EQUIVALENT INSPECTION WELL AT EACH

**GROUNDING NOTES** 

FEEDER SIZE KEY NOTES EXISTING FPL METER, CONDUIT, FEEDERS AND WIREWAY TO BE REMOVED. A NEW FPL METER SHALL BE INSTALLED AT NEW SERVICE FEEDERS . REFER TO KEY NOTE 9. BACKPULL ALL WIRING AND CONDUIT BACK TO FPL TRANSFORMER. COORDINATE WITH FPL PRIOR TO COMMENCING WORK.

EXISTING GROUNDING TO BE REMOVED. EXISTING FPL FEEDERS AND CONDUIT TO BE REMOVED.. COORDINATE WITH FPL PRIOR TO COMMENCING WORK.

1" CONDUIT WITH PULSATING FOR CONTROL/LV WIRING - COORDINATE W/ GENERATOR MANUFACTURER. 3 # 3/0, 1 # 6 GND, THWN CU IN 2" CONDUIT 3 # 3/0, 1 # 6 GND, THWN CU IN 2" CONDUIT

) 3 # 3, 1 # 8 GND, THWN CU IN 1-1/4" CONDUIT. 8 3 # 250 KCMILS, 1 # 4 GND, THWN CU IN 2-1/2" CONDUIT 9) (2) RUNS OF: 3 # 250 KCMILS THWN CU EACH IN 2-1/2" CONDUIT

) 1 # 1/0 CU GND.

EXISTING PANEL "A", PANEL "B", 150 AMP MCB BREAKER DISCONNECTS AND WIREWAY TO REMAINING. SERVICE TO THESE EXISTING PANELS SHALL BE VIA THE NEW A.T.S. (MAIN 1 OF 3).

ONTRACTOR TO REMOVE EXISTING FEEDERS AND CONDUIT SERVING PANEL "D". FEED EXISTING PANEL "D" FROM NEW MAIN AS INDICATED. CONTRACTOR MAY REUSE FEEDERS AND CONDUIT IF THEY ARE OF ADEQUATE SIZE AND IN LIKE NEW CONDITION.

CLUBHOUSE EXTERIOR CLUBHOUSE INTERIOR | CLUBHOUSE CLUBHOUSE INTERIOR TENNIS BLDG (MECH. EQUIP. RM.) EXTERIOR (SOUTH) EXTERIOR (SOUTH) (MECH. EQUIP. RM.) EXISTING 10"x10"xL". WIRE WAY 12"x12"xL". WIRE WAY (VERIFY LENGTH LIN FIFLD) (VERIFY LENGTH L IN FIELD) EXISTING MAIN BREAKER MAIN 2 OF 3 | PANEL | PANEL | PANEL 42kAIC 100kAIC THE GENERATOR IS NOT A CLASS CLASS RK1 2P<u>400A</u> CLASS SEPARATELY DERIVED SYSTEM. RK1 DUAL DUAL NEMA 3R NEMA 3R EXISTING
FPL METER
NFMA-3R ELEMENT | NEMA 3R | | ELEMENT | NEMA 3R | | 48 KW/48 KV STAND-BY **GENERATOR** GROUND FLOOR TO FPL 120/240V 11) 1ø 3W **/** \* \* \* INTERSYSTEM EXISTING GROUNDING 👃 ACCESSIBLE -INSPECTION WELL GROUNDING GROUND POINT 5/8"Øx10FT === (TYPICAL)  $\nearrow$  BOND TO CWP AND GND ROD FOOTER STEEL **RISER** 

PROPOSED ELECTRICAL RISER DIAGRAM (120/240VAC, 10) SERVICE

### **GENERATOR NOTES**

. GENERATOR EXHAUST SHALL NOT BE INSTALLED WITHIN 10'-0" OF ANY OPENING-OPERABLE WINDOW, DOOR OR 2. THE GENERATOR EXHAUST MAY NOT DISCHARGE ON THE ADJACENT PROPERTY. 2. THE GENERATOR EXHAUST MAY NOT DISCHARGE ON THE ADJACENT PROPERTY LINE, AS ESTABLISHED BY LOCAL ORDINANCE.

3. DECIBEL LEVEL SHALL NOT EXCEED MIN. LEVEL AT NEAREST PROPERTY LINE, AS ESTABLISHED BY LOCAL ORDINANCE.

4. MOUNTING & ANCHORAGE FOR WIND LOADS—BY OTHERS. SEE NOTE # 10.

5. PER NEC 702.8, A SIGN SHALL BE PLACED AT THE SERVICE ENTRANCE EQUIPMENT TO INDICATE THE LOCATION OF THE ON-SITE OPTIONAL STANDBY POWER SOURCE.

6. GENERATOR SHALL BE LOCATED BEHIND THE FRONT BUILDING LINE, MINIMUM 3'-0" FROM SIDE PROPERTY LINE & 5'-0"

FROM REAR PROPERTY LINE. IF APPLICABLE, GENERATOR SHALL NOT BE INSTALLED 10FT TO THE SIDE STREET PROPERTY LINE. . GENERATOR MUST BE LOCATED 10'-0" FROM LP TANK(S). GENERATOR MUST BE MOUNTED AT OR ABOVE BASE FLOOD LEVEL

THE CONTRACTOR AND GENERAL MANUFACTURER SHALL PROVIDE ALL DESIGN, DRAWINGS, LABOR AND MATERIALS 9. THE CONTRACTOR AND GENERAL MANUFACTURER SHALL PROVIDE ALL DESIGN, DRAWINGS, LABOR AND MATERIALS TO ENSURE THE GENERATOR SYSTEM MEETS ALL LOCAL MUNICIPALITY SOUND LEVELS AND ORDINANCES. PROVIDE SHOP DRAWING SUBMISSIONS DESCRIBING SOUND ATTENUATION TECHNIQUES AND SUPPORTING ACOUSTICAL CALCULATIONS, INSTALLATION DB MEASUREMENT AND VERIFICATION REPORT, PREPARED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER. CONTRACTOR SHALL PROVIDE ALL TESTING AND COMMISSIONING OF THE GENERATOR SYSTEM INCLUDING OPERATIONAL FIELD TESTING DOCUMENTING COMPLIANCE WITH ACOUSTICAL LEVELS.

10. THE CONTRACTOR AND GENERATOR MANUFACTURER SHALL PROVIDE ALL DESIGN, DRAWINGS, LABOR, AND MATERIALS FOR DEDIMETED STRUCTURAL DECKING OR MAINTENANCE ACCESS DI ATERDM TO SATISFY LOCAL MATERIALS FOR PERIMETER STRUCTURAL DECKING OR MAINTENANCE ACCESS PLATFORM TO SATISFY LOCAL MUNICIPALITY REQUIREMENTS AND NEC ARTICL 404-ACCESSIBILITY AND GROUPING. DESIGN AND DRAWINGS INDEPENDENT DELEGATED FLORIDA STRUCTURAL ENGINEER. PROVIDE SHOP DRAWING SUBMISSIONS DETAILING THE

PLATFORM.

11. ARCHITECT OR CONTRACTOR SHALL ENGAGE AN INDEPENDENT STRUCTURAL ENGINEER P.E. TO DESIGN THE 11. ARCHITECT OR CONTRACTOR SHALL ENGAGE AN INDEPENDENT STRUCTURAL ENGINEER P.E. TO DESIGN THE
STRUCTURAL FOUNDATIONS AND ANCHORAGE TO MEET THE PROJECT REQUIREMENTS. THE STRUCTURAL ENGINEER
SHALL BE RESPONSIBLE FOR ALL ASSESSMENTS, CALCULATIONS, DRAWINGS AND ASSOCIATED STRUCTURAL/VIBRATION
CONSULTING SERVICES. THE STRUCTURAL ENGINEER SHALL PROVIDE COMPLETE DESIGN AND SELECTION FOR VIBRATION
ISOLATION, ANY REQUIRED STRUCTURAL PADS AND/OR STEEL, ANY REQUIRED SUPPORTING STRUCTURAL MEMBERS OR
INFRASTRUCTURE, WIND RESISTANCE CALCULATIONS AND HOLD DOWN CALCULATIONS. THE INSTALLATION DESIGN MUST PROVIDE A PROPER FOUNDATION TO SUPPORT THE GENERATOR SET ON THE ROOF OR SUPPORTING SURFACE AND TO PREVENT DAMAGING OR ANNOYING LEVELS OF VIBRATION ENERGY FROM MIGRATING INTO THE BUILDING STRUCTURE. IN ADDITION, THE INSTALLATION SHOULD ASSURE THAT THE SUPPORTING INFRASTRUCTURE FOR THE GENERATOR SET DOES NOT ALLOW VIBRATION FROM THE GENERATOR SET TO MIGRATE INTO THE STATIONARY PORTION OF THE EQUIPMENT OR BUILDING.

### GENERATOR/ATS KEY NOTES

STANDBY POWER GENERATOR - KOHLER MODEL 48RCL:
48KW/48KVA, 120/240V 1Ø3W WITH 2P-200AMP OUTPUT
CIRCUIT BREAKER. ALTERNATOR 4Q7BX.
FUEL TYPE: LPG, TO INCLUDE ALL STANDARD CONTROLS
AND EQUIPMENT. EQUIPMENT TO INCLUDE CRITICAL
SILENCING MUFFLER AND TIME DELAY (START) / TIME DELAY (STOP). MUST INCLUDE WEATHER PROOF COVER: NEMA-3R ALUMINUM CORROSION RESISTANT ENCLOSURE. REMOTE START IN ELECTRICAL EQUIPMENT ROOM.

SERVICE RATED AUTOMATIC TRANSFER SWITCH - KOHLER, 400 AMP RATED 120/240V 1¢3W NEMA-3R ENC. WITH 2P-200A MAIN CIRCUIT BREAKER. U.L. APPROVED WITH POWER SENTRY CONTROL. ATS SHALL BE PROVIDED WITH A CONTINUOUS CURRENT RATING REQUIRED TO PROVIDE A WCR OF 22,000A MINIMUM WHEN U.L. LISTED AND COORDINATED WITH UPSTREAM INCLUDE BATTERY CHARGER, (2) POLE WITH SOLID

3) TRANSFER SWITCH TO HAVE PILOT LIGHTS TO SHOW

.) NOTE: CONTRACTOR TO PROVIDE A SOUND ATTENUATED ENCLOSURE THAT COMPLIES WITH BOCA'S NOISE REQUIREMENTS. COORDINATE WITH GENERATOR MANUFACTURER AND BOCA PRIOR TO BID/CONSTRUCTION.

5) LOCATE GENERATOR SET TO ALLOW MAINTENANCE AND 6) ENSURE ALL DOOR SWINGS ARE FULLY OPERABLE.

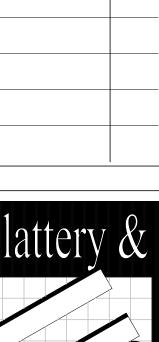
	ELECTRICAL	LOAD SUMMAI	RY	
SERVICE #1/ TRANSFORMER "TS"	TOTAL kVA	AMPS @ 240V, 1-PHASE	SIZE OF MAIN	MAIN#
A.T.S.	47.1	196.2	200A M.C.B.	MAIN #1 OF 3
PANEL "C"	46.4	193.4	250A MAIN FUSE	MAIN #2 OF 3
PANEL "D"	14.0	58.3	100A MAIN FUSE	MAIN #3 OF 3
OTAL SERVICE #1 LOAD:	107.5	448.0		

GENERATOR LOAD S	UMMARY
A.T.S.	TOTAL WATTS (kVA)
PANEL "A"	10.2
PANEL "B"	36.9
TOTAL GENRATOR LOAD:	47.1
GENERATOR SIZE =	48 KVA

PRIOR TO SUBMITTING THE BID. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND

INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND

500A @ 240, 1ø, 3W SERVICE



REVISIONS



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### CLUB WOODFIEI UBHOUS AND I

**PERMIT SET: 07/21/16** 

SCALE



700 WEST HILLSBORO BLVD. - BLDG. #1, SUITE 204 DEERFIELD BEACH, FLORIDA 33441 TEL: (561) 391-9292 FAX: (561) 391-9898 DONALD H. AUSTIN, JR., PE LICENSE #60651 JASON BARBER, P.E. LICENSE #73050 E-MAIL: INFO@FAECONSULTING.COM

DRAWN DB/FR/AB CHECKED UI/SR/DA/JB DATE 07-21-16 SCALE AS NOTED JOB NO. 16104 SHEET

THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. CERTIFICATE OF AUTHORIZATION NO. 28107 THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING URSULA IAFRATE, P.E. LICENSE #73122 FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. STEPHEN F. ROLLIN, P.E. LICENSE #36428 NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED. DESIGNED BY: DB/FR/AB PM: KS P/N: 16104

LARGEST MOTOR	0.0	AT 125%	0
WATER HEATER	0.0	AT 125%	0
KITCHEN EQUIPMENT	0.0	AT 65%	0
REMAINDER OF LOADS		AT 100%	7.5
		TOTAL KVA	10.2
		TOTAL AMPS	42.4

\* SEE POWER RISER FOR WIRE & CONDUIT SIZES SERIES RATED MOUNT SURFACE MIN A.I.C. 22,000 AMPS

MFG	SQUARE 'D' C	DR EQUAL						TYPE	NQ		KEY NOTES: 1	L <u>,</u> 2			PANEL RATING	400 AMPS	
VOLTS	120/240V 1Φ	93W						PANEL	"C"								
BUS A (KVA)	BUS C (KVA)	LOAD	KEY NOTES	COND	WIRE SIZE	GND	AMPS	СКТ	СКТ	AMPS	GND	WIRE SIZE	COND	KEY NOTES	LOAD	BUS A (KVA)	) BUS C (KVA)
0.6		AEROBICS LIGHTING		1/2"	12	12	20	1	2	20	12	12	1/2"		AEROBICS FANS	1.0	
	0.8	BATH AND HALLWAY LIGHTS		1/2"	12	12	20	3	4	20	12	12	1/2"		FITNESS FANS		1.0
1.0		FITNESS FANS		1/2"	12	12	20	5	6	20	12	12	1/2"		FITNESS FANS	1.0	
	1.0	HALLWAY FANS		1/2"	12	12	20	7	8	20	12	12	1/2"		PATIO FANS		1.2
1.2		PATIO FANS		1/2"	12	12	20	9	10	20	12	12	1/2"		PATIO LIGHTS	0.8	
	0.7	PATIO LIGHTS		1/2"	12	12	20	11	12	20	12	12	1/2"	7	DRINKING FOUNTAINS		1.0
0.9		RECEPTACLES		1/2"	12	12	20	13	14	20	12	12	1/2"		FITNESS RECEPTACLES	0.7	
	0.8	FITNESS BIKES		1/2"	12	12	20	15	16	20	12	12	1/2"		FITNESS BIKES		0.8
0.8		FITNESS ELLIPTICAL		1/2"	12	12	20	17	18	20	12	12	1/2"		FITNESS ELLIPTICAL	0.8	
	1.0	FITNESS TREADMILL		1/2"	12	12	20	19	20	20	12	12	1/2"		FITNESS TREADMILL		1.0
1.0		FITNESS TREADMILL		1/2"	12	12	20	21	22	20	12	12	1/2"		AEROBICS RECEPTACLES	0.7	
	2.2	WATER HEATER		1/2"	10	10	30	23	24	60	10	6	1"	4	AHU-1		5.6
2.2								25	26							5.6	
	(3.5)	CU-1		1"	6	10	60	27	28	20	12	12	1/2"	4	MCU-1		1.4
(3.5)			4					29	30							1.4	
	0.2	GENERAL GENERATOR REC.		1/2"	12	12	20	31	32	20	12	12	1/2"	7	PATIO DRINKING FOUNTAIN		0.8
1.0		GENERAL REC.		1/2"	12	12	20	33	34	-	-	-	-		SPACE		
	0.8	HAND DRYER		1/2"	12	12	20	35	36	-	-	-	-		SPACE		4
0.8		HAND DRYER		-	-	-	-	37	38	-	-	-	-		SPACE		
		SPACE		-	-	-	-	39	40	] -	-	-	-	6	SPD		4
		SPACE		-	-	-	-	41	42								

21.5 20.3			
LOAD CALCULATIONS PER N	EC 220		
LIGHTING	2.9	AT 125%	3.6
LARGEST MOTOR	11.2	AT 125%	14
WATER HEATER	4.4	AT 125%	5.5
KITCHEN EQUIPMENT	0.0	AT 65%	0
REMAINDER OF LOADS		AT 100%	23.3
		TOTAL KVA	46.4
		TOTAL AMPS	193.4

КVА ФА КVА ФС

REMARKS & KEY NOTES 1. MAIN LUGS ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE AN ACCURATE PER FIELD CONDITIONS, TYPED UP PANEL SCHEDULE UPON COMPLETION OF THE PROJECT. 2. VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO CONSTRUCTION; ALL KITCHEN EQUIPMENT'S ELECTRICAL REQUIREMENTS SHALL BE CONFIRMED WITH MFG SPECS. VERIFY VOLTAGE, AMPERAGE, AND BREAKER SIZES.

NOT USED 4. PROVIDE "HACR" RATED CIRCUIT BREAKER. 5. PROVIDE RED HANDLE WITH BREAKER LOCK

6. 100 KA SPD PER VENDOR REQUIREMENTS 7. PROVIDE "GFCI" RATED CIRCUIT BREAKER

\* SEE POWER RISER FOR WIRE & CONDUIT SIZES MOUNT RECESSED MIN A.I.C. 22,000 AMPS SERIES RATED

MFG	SQUARE 'D'							TYPE	EXISTING	ò	<b>KEY NOTES: 1</b>	., 2			PANEL RATING	225 AMPS	
VOLTS	120/240V 1¢	93W						PANEL	"B"			_					
BUS A (KVA	BUS C (KVA)	LOAD	KEY NOTES	COND	WIRE SIZE	GND	AMPS	СКТ	СКТ	AMPS	GND	WIRE SIZE	COND	KEY NOTES	LOAD	BUS A (KVA)	BUS C (KVA)
0.5		KITCHEN COUNTER RECEPT		1/2"	12	12	20	1	2	60	EX	EX	EX	3	SPARE	0.0	
	0.5	KITCHEN GARBAGE DISPOSAL		1/2"	12	12	20	3	4								0.0
3.0		EXISTING AIR HANDLER		EX	EX	EX	50	5	6	15	14	12	1/2"		REFRIGERATOR	1.0	
	3.0							7	8	20	12	12	1/2"		MICROWAVE		1.0
2.0		EXISTING WATER HEATER		EX	EX	EX	30	9	10	40	EX	EX	EX		EXISTING AIR HANDLER	3.0	
	2.0							11	12								3.0
6.7		EXISTING PANEL "D" TENNIS BUILD.		EX	EX	EX	60	13	14	60	10	6	1"		OVEN		
	6.3							15	16								
0.8		EXISTING HAND DRYERS		EX	EX	EX	20	17	18	60	EX	EX	EX	3	SPARE	0.0	
	0.8	EXISTING HAND DRYERS		EX	EX	EX	20	19	20								0.0
0.8		KITCHEN COUNTER RECEPT		1/2"	12	12	20	21	22	20	12	12	1/2"		TELEPHONE BOARD		
		SPACE		-	-	-	-	23	24	-	-	-	-		SPACE		
TC	TALS														•	·	
КVA Фа	кva фс			REMARI	KS & KEY NO	ΓES											
17.8	16.6	1		1.	MAIN LUGS	ONLY.	ELECTRIC	CALCONT	RACTOR S	HALL PRO	VIDE AN ACCU	IRATE PER FIE	LD CONDITI	ONS, TYPE	D UP PANEL SCHEDULE UPON CO	OMPLETION OF THE PR	ROJECT.

2. VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO CONSTRUCTION; ALL KITCHEN EQUIPMENT'S ELECTRICAL REQUIREMENTS SHALL BE CONFIRMED WITH MFG SPECS. VERIFY VOLTAGE, AMPERAGE, AND BREAKER SIZES.

LOAD CALCULATIONS PER NEC 220 AT 125% 3. SPARE BREAKERS MAY BE USED FOR NEW OR MODIFIED BRANCH CIRCUITS IF AVALIBLE AND IF THEY MEET THE BRANCH CIRCUIT CRITERIA. LARGEST MOTOR 6.0 AT 125% 7.5

AT 125% WATER HEATER KITCHEN EQUIPMENT AT 65% REMAINDER OF LOADS AT 100% TOTAL KVA 36.9 TOTAL AMPS 153.8

SERIES RATED \* SEE POWER RISER FOR WIRE & CONDUIT SIZES MOUNT RECESSED MIN A.I.C. 22,000 AMPS

MFG	SQUARE 'D'							TYPE	EXISTING		KEY NOTES: 1	., 2			PANEL RATING	100 AMPS	
VOLTS	120/240V 1¢	3W	-					PANEL	"D"			-					_
BUS A (KVA)	BUS C (KVA)	LOAD	KEY NOTES	COND	WIRE SIZE	GND	AMPS	СКТ	СКТ	AMPS	GND	WIRE SIZE	COND	KEY NOTES	LOAD	BUS A (KVA)	BUS C (KVA)
1.5		EXISTING CIRCUIT		3/4"	8	10	40	1	2	20	12	12	1/2"		TENNIS BLDG OFFICE COPIER	1.0	
	1.5							3	4	20	12	12	1/2"		EXIST. CIRCUIT		0.6
1.5		EXISTING CIRCUIT		3/4"	8	10	40	5	6	20	12	12	1/2"		EXIST. CIRCUIT	0.3	
	1.5							7	8	20	12	12	1/2"		TENNIS BLDG. OFFICE		0.3
1.0		TENNIS BLDG. OFFICE RECEPTACLES		1/2"	12	12	20	9	10	20	12	12	1/2"		MCU-2	1.4	
	1.0	WATER COOLERS	7	1/2"	12	12	20	11	12								1.4
TO	TALS										_	_			_		
ΚVΑ ΦΑ	куа фс	REMARKS & KEY NOTES															
6.7	6.3		1. 2P-100AMP MAIN CIRCUIT BREAKER. ELECTRICAL CONTRACTOR SHALL PROVIDE AN ACCURATE PER FIELD CONDITIONS. TYPED UP PANEL SCHEDULE LIPON COMPLETION OF														

1. 2P-100AMP MAIN CIRCUIT BREAKER. ELECTRICAL CONTRACTOR SHALL PROVIDE AN ACCURATE PER FIELD CONDITIONS, TYPED UP PANEL SCHEDULE UPON COMPLETION OF THE PROJECT.

2. VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO CONSTRUCTION; ALL KITCHEN EQUIPMENT'S ELECTRICAL REQUIREMENTS SHALL BE CONFIRMED WITH MFG SPECS. VERIFY VOLTAGE, AMPERAGE, AND BREAKER SIZES.

REMAINDER OF LOADS AT 100% TOTAL KVA 14.0 TOTAL AMPS 58.3

AT 125%

AT 125%

AT 125% AT 65%

3.5

LOAD CALCULATIONS PER NEC 220

WATER HEATER

KITCHEN EQUIPMENT

LARGEST MOTOR 2.8

SERIES RATED \* SEE POWER RISER FOR WIRE & CONDUIT SIZES MOUNT SURFACE MIN A.I.C. 22,000 AMPS

WOODFIELD

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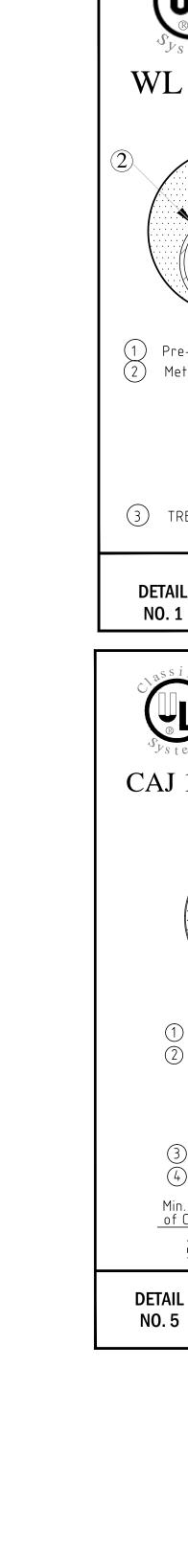
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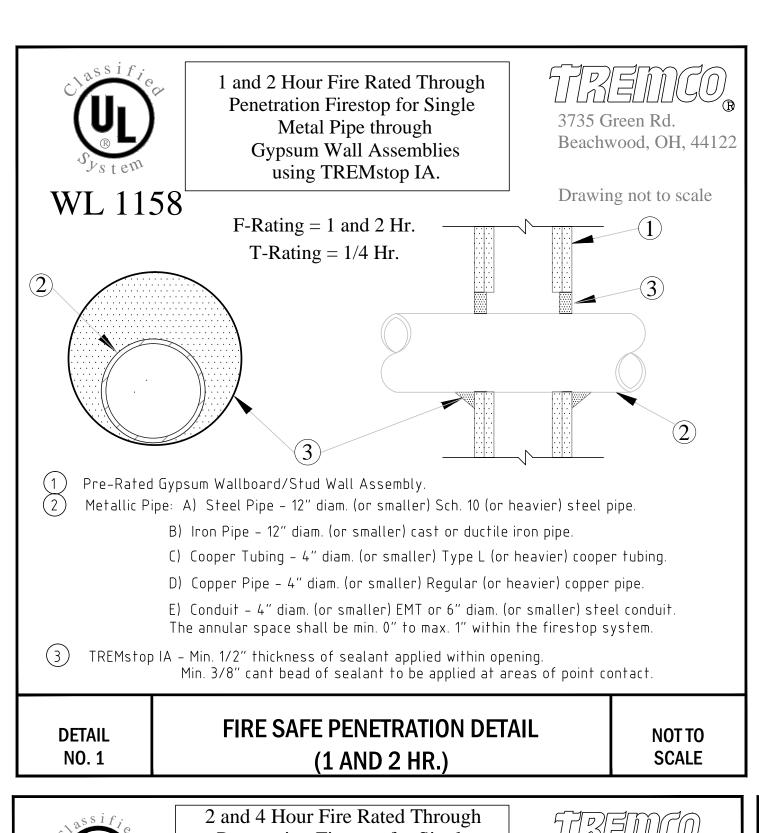
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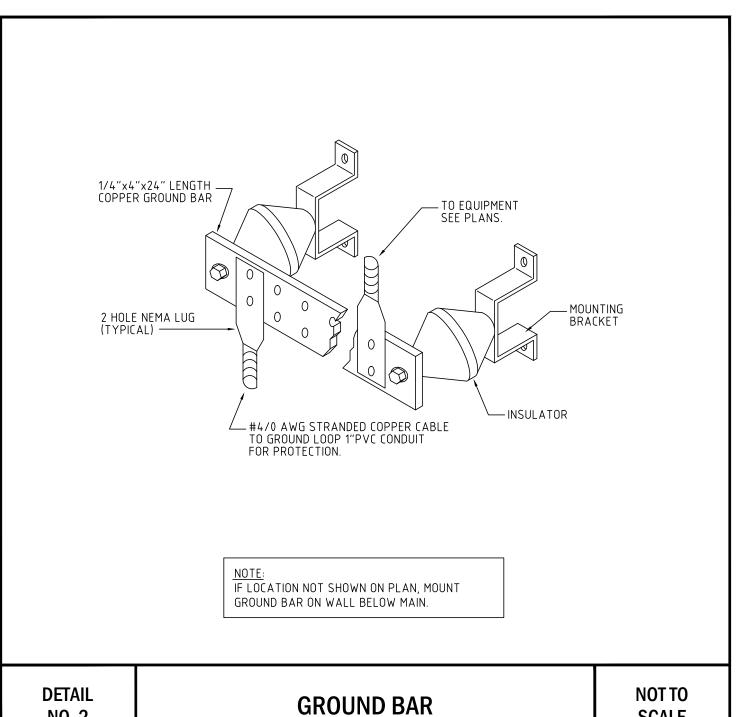
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DESIGNED BY: DB/FR/AB PM: KS P/N: 16104

PRIOR TO SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

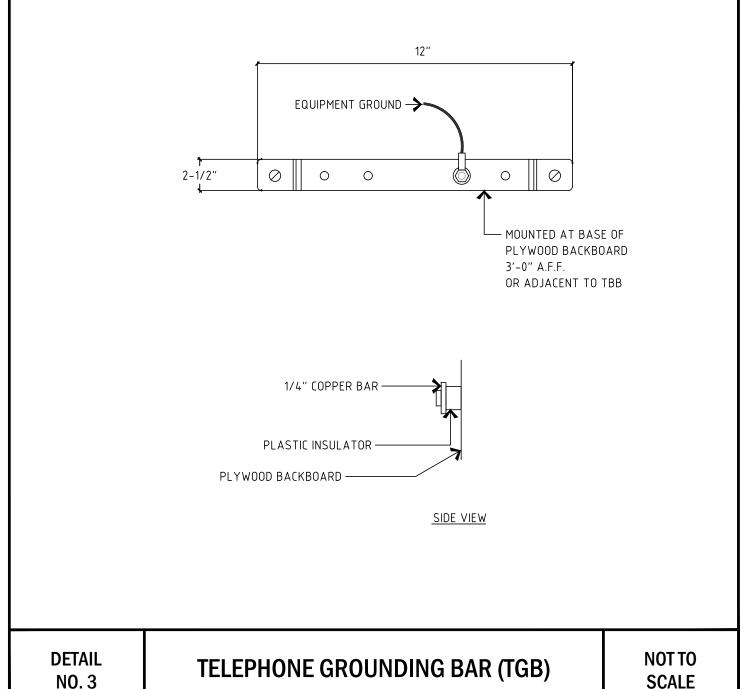


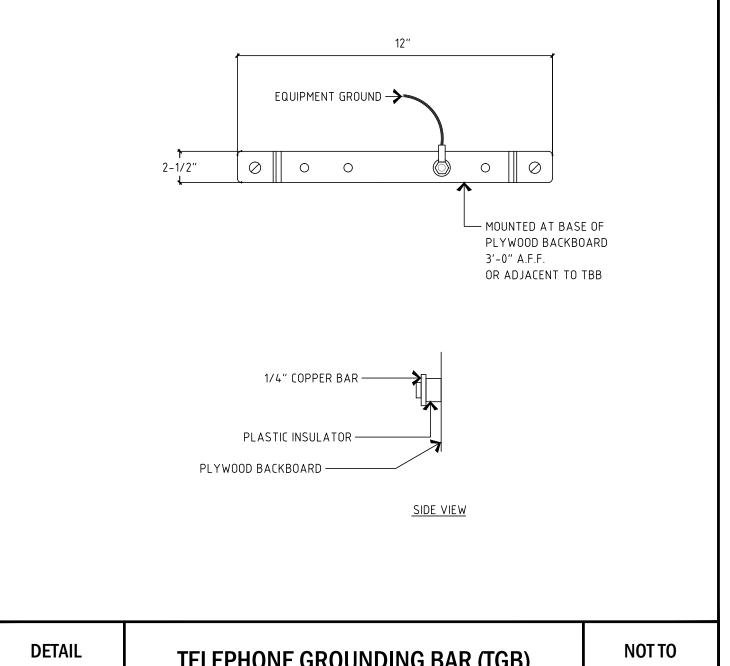


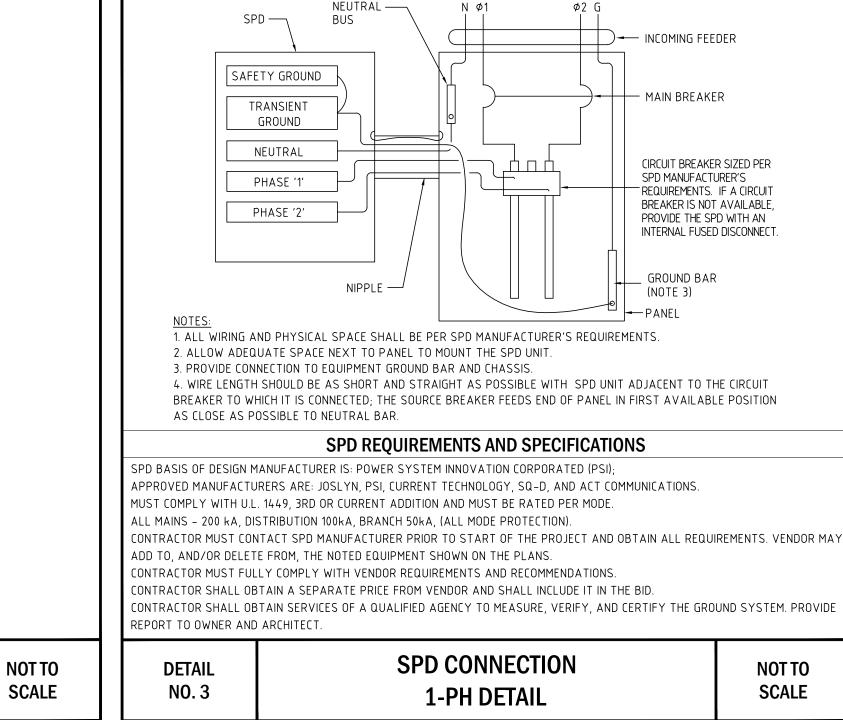


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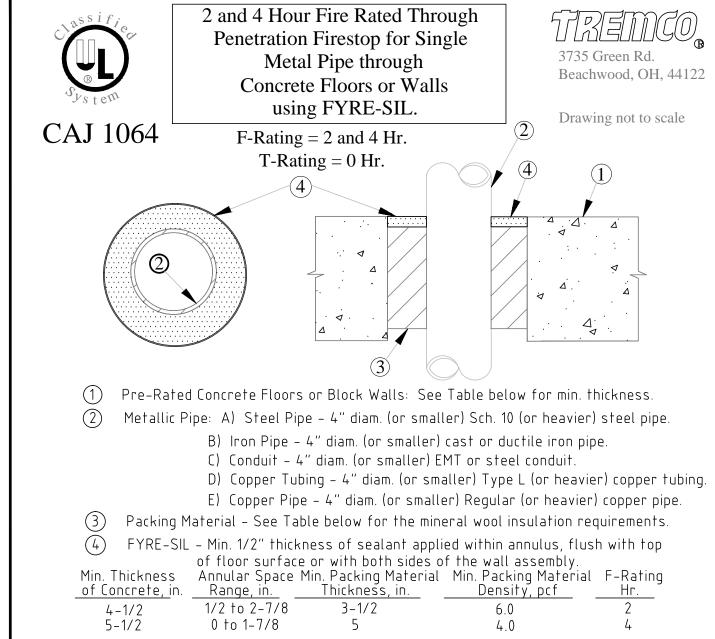




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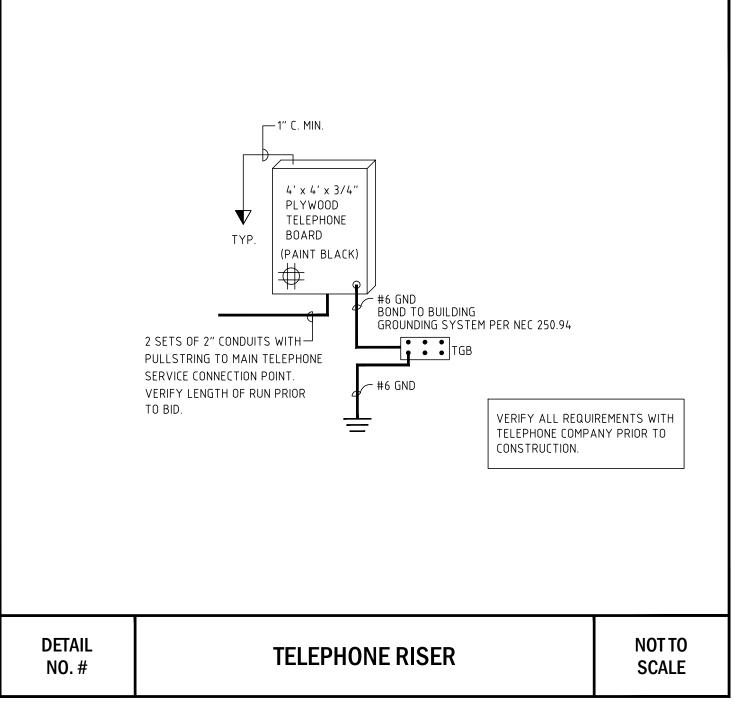


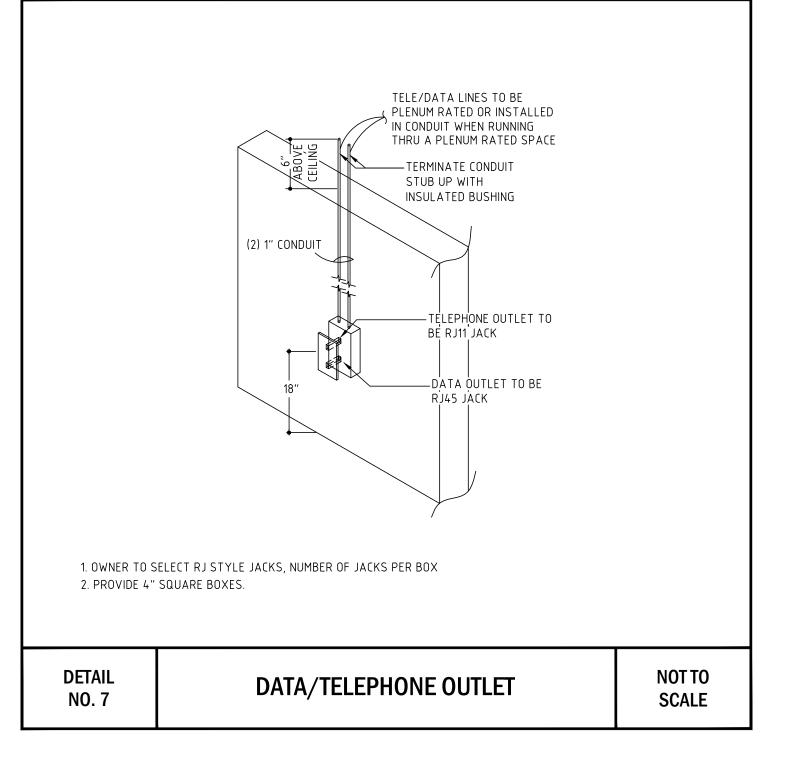
FIRE SAFE PENETRATION DETAIL

(2 AND 4 HR.)

NOT TO

**SCALE** 









**PERMIT SET: 07/21/16** 

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DESIGNED BY: DB/FR/AB PM: KS P/N: 16104

DONALD H. AUSTIN, JR., PE LICENSE #60651

JASON BARBER, P.E. LICENSE #73050

E-MAIL: INFO@FAECONSULTING.COM

DB/FR/AB CHECKED UI/SR/DA/JB DATE 07-21-16 SCALE AS NOTED JOB NO. 16104 SHEET

- A. ALL WORK AND EQUIPMENT UNDER THIS DIVISION SHALL BE IN COMPLIANCE WITH THE CODES, STANDARDS, AND PRACTICES LISTED HEREIN, AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION (AHJ); INCLUDING, BUT NOT LIMITED TO:
- LIFE SAFETY CODE NFPA 101.
- UNDERWRITERS LABORATORIES, INC. PUBLICATIONS. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
- AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- NATIONAL ELECTRICAL CODE NFPA 70. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
- NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA)
- INTERNATIONAL POWER CABLE ENGINEER'S ASSOCIATION (IPCEA)
- NATIONAL ELECTRICAL SAFETY CODE (NBS HANDBOOK 81)...
- REQUIREMENTS OF LOCAL POWER COMPANY.
- NATIONAL FIRE PROTECTION ASSOCIATION 72
- NATIONAL FIRE PROTECTION ASSOCIATION 99
- THE STATE FIRE PREVENTION CODE, 4A60.
- BUILDING CODE: FLORIDA BUILDING CODE, ENERGY CODE. 15. OSHA.
- 16. NFPA 110. 17. ASHRAE 90.1.
- B. SCOPE OF WORK: THE WORK PROVIDED UNDER THIS DIVISION SHALL INCLUDE ALL LABOR, MATERIALS, PERMITS, INSPECTIONS AND REINSPECTION FEES TOOLS, EQUIPMENT, TRANSPORTATION, INSURANCE, TEMPORARY PROTECTION, TEMPORARY LIGHTING, SUPERVISION AND INCIDENTAL ITEMS ESSENTIAL FOR PROPER INSTALLATION AND OPERATION, EVEN THOUGH NOT SPECIFICALLY MENTIONED OR INDICATED BUT WHICH ARE USUALLY PROVIDED OR ARE ESSENTIAL FOR PROPER INSTALLATION AND OPERATION OF ALL ELECTRICAL SYSTEMS AS INDICATED IN CONTRACT DOCUMENTS.
- 1. CONNECTION OF ALL EQUIPMENT FURNISHED BY OTHERS OR IN CONTRACT.
- GIVE ALL NOTICES, FILE ALL PLANS, PAY ALL FEES, OBTAIN ALL PERMITS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION. INCLUDE ALL PLAN REVIEW, PERMITTING, ENVIRONMENTAL AND FPL/UTILITY CHARGES AND FEES IN THE BID PRICE.
- D. INTERPRETATION OF DRAWINGS:
- 1. THE DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EXACT LOCATIONS OF CONDUIT RUNS. OUTLET BOXES JUNCTION BOXES, PULL BOXES, ETC. THE LOCATIONS OF EQUIPMENT, APPLIANCES, FIXTURES, CONDUITS, OUTLETS, BOXES AND SIMILAR DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE AS ACCEPTED BY THE ENGINEER DURING CONSTRUCTION. OBTAIN IN THE FIELD ALL INFORMATION RELEVANT TO THE PLACING OF ELECTRICAL WORK AND IN CASE OF INTERFERENCE WITH OTHER WORK, PROCEED AS DIRECTED BY THE ENGINEER AND PROVIDE AL LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK IN AN ACCEPTABLE MANNER.
- NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES FOUND DURING CONSTRUCTION OF THE PROJECT AND DO NOT PROCEED WITH THAT PORTION OF THE PROJECT, UNTIL A WRITTEN DEFINITIVE STATEMENT IS RECEIVED PROVIDING CLEAR DIRECTION. IF A CONFLICT EXISTS BETWEEN THE CONTRACT DOCUMENTS AND ANY APPLICABLE CODE OR STANDARD, THE MOST STRINGENT REQUIREMENT SHALL BE INCLUDED FOR THIS PROJECT. THE ENGINEER SHALL MAKE THE DECISION REGARDING QUESTIONABLE AREAS OF CONFLICT.
- EACH THREE-PHASE CIRCUIT SHALL BE RUN IN A SEPARATE CONDUIT UNLESS OTHERWISE SHOWN ON THE DRAWINGS. UNLESS OTHERWISE ACCEPTED BY THE ENGINEER, CONDUIT SHALL NOT BE INSTALLED EXPOSED UNLESS SPECIFICALLY DIRECTED. PROVIDE CONCEALED, NON EXPOSED RACEWAYS IN FINISHED OR ARCHITECTURALLY SENSITIVE AREAS . WHERE CIRCUITS ARE SHOWN AS "HOME-RUNS" ALL NECESSARY FITTINGS AND BOXES SHALL BE PROVIDED FOR A COMPLETE RACEWAY INSTALLATION.
- IN GENERAL, ALL LIGHTING BRANCH CIRCUITS SHALL BE SEPARATE FROM POWER AND RECEPTACLE BRANCH CIRCUITS.
- ALL BRANCH CIRCUITS SERVICING COMPUTER LOADS SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR
- E. INVESTIGATION ON SITE:
- GENERAL: BEFORE COMMENCING THE WORK, VERIFY EXISTING CONDITIONS AT THE PREMISES INCLUDING, BUT NOT LIMITED TO, EXISTING STRUCTURAL FRAME, LOCATION AND ALL DIMENSIONS: EXISTING OPENINGS AND CHARACTERISTICS: EXISTING WALL AND PARTITION LOCATIONS, CHARACTERISTICS AND RELATIONSHIP TO EACH OTHER; EXISTING MECHANICAL AND ELECTRICAL WORK, EQUIPMENT TYPE, AND SHALL EXAMINE ALL ADJOINING WORK ON WHICH HIS WORK IF ANYWAY DEPENDENT FOR ITS PERFECT EFFICIENCY ACCORDING TO THE INTENT OF THE CONTRACT DOCUMENTS.
- POWER OUTAGE: SPECIAL ATTENTION IS CALLED TO THE FACT THAT IF WORK INVOLVED IS IN CONNECTION WITH EXISTING BUILDINGS WHICH REMAIN IN OPERATION WHILE WORK IS BEING PERFORMED. WORK MUST BE DONE IN ACCORDANCE WITH THE PRIORITY SCHEDULE. SCHEDULE WORK FOR A MINIMUM OUTAGE TO OWNER. REQUEST WRITTEN PERMISSION AND RECEIVE WRITTEN ACCEPTANCE FROM THE OWNER NO LATER THAN 24 HOURS IN ADVANCE OF ALL POWER AND COMMUNICATION SHUT-DOWNS. PERFORM WORK REQUIRED AT OTHER THAN STANDARD WORKING HOURS WHERE OUTAGES CANNOT BE ACCEPTED BY OWNER DURING REGULAR WORKING HOURS. PROTECT EXISTING BUILDINGS AND EQUIPMENT DURING CONSTRUCTION. PROVIDE TEMPORARY POWER, GENERATORS, CIRCUIT ALTERATIONS AS MAY BE REQUIRED FOR MAINTENANCE OF OPERATIONS.
- SPECIAL CONSIDERATIONS:
- SPECIAL ATTENTION IS CALLED TO THE FACT THAT IF THERE WILL BE PIPING. FIXTURES OR OTHER ITEMS IN THE EXISTING SITE OR BUILDING WHICH MUST BE REMOVED OR RELOCATED IN ORDER TO PERFORM THE ALTERATION WORK, BID SHALL INCLUDE ALL REMOVAL, RELOCATION, AND RE-CONNECTION REQUIRED FOR COMPLETION OF THE ALTERATIONS AND THE NEW CONSTRUCTION.
- 4. DEMOLITION GENERAL: DURING THE EXECUTION OF WORK, ALL REQUIRED RELOCATION, REROUTING, ETC, OF EXISTING BUILDING AREAS WHERE THE WORK IS REQUIRED. SHALL BE PERFORMED BY THE CONTRACTOR, AS INDICATED ON THE DRAWINGS, OR AS REQUIRED BY JOB CONDITIONING AND AS DETERMINED BY THE ARCHITECT IN THE FIELD, TO FACILITATE THE INSTALLATION OF THE NEW SYSTEMS. THE OWNER SHALL REQUIRE CONTINUOUS OPERATION OF THE EXISTING SYSTEMS, WHILE DEMOLITION, RELOCATION WORK OR NEW TIE-INS ARE PERFORMED.
- 5. OWNER'S SALVAGE: THE OWNER RESERVES THE RIGHT TO INSPECT THE MATERIAL SCHEDULED FOR REMOVAL AND SALVAGE ANY ITEMS HE DEEMS USABLE AS SPARE PARTS.
- F. EXISTING CONDITIONS:
- ALL EXISTING CONDUIT AND CABLES WITHIN THE AREA OF RENOVATION SHALL BE PROVIDED WITH PROPER SUPPORT AS SPECIFIED FOR NEW WORK IN OTHER SECTIONS OF THIS SPECIFICATION.
- INSTALLATION: ALL EXISTING ELECTRICAL WHICH IS DESIGNATED FOR REWORKING OR REQUIRES RELOCATION, REPAIR OR ADJUSTMENT SHALL CONFORM TO ALL APPLICABLE CODES AND SHALL BE TREATED AS NEW WORK COMPLYING TO ALL SECTIONS OF THIS SPECIFICATION.
- VIOLATIONS:
- WHERE EXISTING CONDITIONS ARE DISCOVERED WHICH ARE NOT IN COMPLIANCE WITH THE CODES AND STANDARDS, THE CONTRACTOR SHALL SUBMIT PROPER DOCUMENTATION TO THE ARCHITECT FOR CLARIFICATION AND CORRECTIVE WORK DIRECTION. EXISTING CONDITIONS SHALL NOT REMAIN WHICH WILL CREATE A DISAPPROVAL OF THE RENOVATED AREA.
- 4. PATCHING: ALL EXISTING CONDUIT AND CABLE PENETRATIONS SHALL BE PROPERLY FIRE TREATED PER CODE AND SPECIFICATION REQUIREMENTS. THE CONTRACTOR SHALL THOROUGHLY INSPECT ALL EXISTING LOCATIONS AND INCLUDE THE COST OF
- G. ALL MATERIALS SHALL BE NEW, FREE FROM DEFECTS AND SHALL BE EITHER U.L. LABELED, U.L. LISTED OR BEAR THE SEAL OF A NATIONALLY RECOGNIZED ELECTRICAL TESTING LABORATORY DEEMED ACCEPTABLE BY AHJ.
- H. SHOP DRAWINGS AND PRODUCT DATA ARE REQUIRED FOR ALL MATERIALS AND EQUIPMENT.

PATCHING AND REPAIR IN HIS PROPOSED CONSTRUCTION COST.

- I. ALL EQUIPMENT SHALL BE FIRMLY MOUNTED USING APPROVED HANGERS ATTACHED TO STRUCTURAL PORTIONS OF THE BUILDING. SUPPORTING WITH TIE WIRE IS PROHIBITED. LIGHT FIXTURES RECESSED IN CEILINGS SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE INDEPENDENT OF THE CEILING SYSTEM.
- SERVICE AND METERING SHALL MEET THE REQUIREMENTS OF THE LOCAL UTILITY COMPANY AND ALL PROVISIONS OF NFPA 70. CONSTRUCTION POWER, TEMPORARY LIGHT AND POWER SHALL BE PROVIDED AS REQUIRED AND DESIGNED/PERMITTED BY CONTRACTOR.
- K. SYSTEMS GUARANTEE
- PROVIDE A ONE-YEAR GUARANTEE. THIS GUARANTEE SHALL BE BY THE CONTRACTOR TO THE OWNER FOR ANY DEFECTIVE WORKMANSHIP OR MATERIAL WHICH HAS BEEN PROVIDED UNDER THIS CONTRACT AT NO COST TO THE OWNER FOR A PERIOD IF ONE-YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE SYSTEM. THE GUARANTEE SHALL INCLUDE ALL LAMPS, FOR NINETY DAYS AFTER DATE OF SUBSTANTIAL COMPLETION OF THE SYSTEM. EXPLAIN THE PROVISIONS OF GUARANTEE TO THE OWNER AT THE "DEMONSTRATION OF COMPLETED SYSTEM" PROVIDE AN 11 MONTH WARRANTY WALK-THROUGH WITH OWNER'S REPR AND CORRECT ALL DEFICIENCIES TO OWNER'S SATISFACTION. PREPARE WRITTEN REPORT DOCUMENTING FINDINGS, ACTIONS, RECOMMENDATIONS FOR

- RELATED WORK AND DOCUMENTS: CONTRACTOR SHALL REVIEW THE COMPLETE PROJECT DOCUMENTS PRIOR TO BIDDING. ALL SECTIONS INCLUDING, BUT NOT LIMITED TO, SPECIAL AND GENERAL CONDITIONS ARE TO BE COORDINATED AND MADE PART OF BIDDING AND THIS PROJECT.
- M. PROVIDE ALL EXTERIOR SUPPORTS AND SYSTEMS IN COMPLIANCE WITH HIGH VELOCITY HURRICANE ZONE REQUIREMENTS (HVHZ). PROVIDE CERTIFICATIONS AND MIAMI-DADE N.O.A. DOCUMENTATION.
- N. REQUESTS FOR SUBSTITUTIONS:
  - CONTRACTOR SHALL PREPARE REQUESTS WITH COMPLETE COORDINATION INFORMATION. INCLUDE ALL CHANGES REQUIRED IN OTHER ELEMENTS OF THE WORK TO ACCOMMODATE THE SUBSTITUTION INCLUDING WORK PERFORMED BY THE OWNER AND THE SEPARATE
  - 2. PROVIDE COMPLETE SUPPORTING DATA QUALIFYING THE SUBSTITUTION COMPARED TO THE BASIS OF DESIGN SYSTEM. PROVIDE A DETAILED LIST OF ANY VARIANCES, LIGHTING POWER DENSITY (LPD) SPACE BY SPACE CALCULATIONS, SPACE OR ROOM PHOTOMETRICS, PHYSICAL OR SPATIAL LAYOUTS, ELEVATIONS, ETC. TO THE BASIS OF DESIGN.
  - PROVIDE A STATEMENT INDICATING THE EFFECT THE SUBSTITUTION WILL HAVE ON THE WORK SCHEDULE IN COMPARISON TO THE SCHEDULE WITHOUT APPROVAL OF THE PROPOSED SUBSTITUTION. INCLUDE INFORMATION REGARDING THE EFFECT OF THE PROPOSED SUBSTITUTION ON THE CONTRACT TIME.
  - PROVIDE COMPLETE COST INFORMATION INCLUDING A PROPOSAL OF THE NET CHANGE, IF ANY, IN
  - 5. PROVIDE CERTIFICATION BY THE CONTRACTOR TO THE EFFECT THAT IN THE CONTRACTOR'S OPTION, AFTER THOROUGH EVALUATION, THE PROPOSED SUBSTITUTION WILL RESULT IN WORK THAT IN EVERY SIGNIFICANT RESPECT IS EQUAL TO OR BETTER THAN THE WORK REQUIRED BY THE CONTRACTOR DOCUMENTS AND THAT IT WILL PERFORM ADEQUATELY IN THE APPLICATION INDICATED.
- 16020 TEST AND PERFORMANCE VERIFICATION: COMPLETION OF WORK
- A. INSTALL, ADJUST AND TEST ALL ELECTRICAL SYSTEMS.
- B. CABLES, MOTORS, GROUNDS, TRANSFORMERS, AND THE EMERGENCY SYSTEM SHALL BE THOROUGHLY TESTED. CONTRACTOR SHALL PROVIDE A REPORT INDICATING THE RESULTS OF ALL TESTS.
- C. PREPARE OPERATION AND MAINTENANCE MANUALS, AS BUILDS.
- 16030 ELECTRICAL IDENTIFICATION
- A. LANGUAGE: ALL IDENTIFICATION SHALL BE IN ENGLISH.
- B. CONDUITS SYSTEM MAKERS SHALL BE ENGRAVED PLASTIC, LAMINATE NAMEPLATES AND SHALL BE ADHESIVE OR PRE-TENSIONED SNAP ON COLOR CODED, SYSTEM MARKING MATERIALS.
- C. IDENTIFICATION: IDENTIFY ALL RACEWAYS PROVIDED OR UTILIZED AS PART OF THIS PROJECT AS FOLLOWS:
- 1. APPLY BANDS 10 FEET ON CENTER ALONG THE RACEWAY SYSTEM AND AT EACH SIDE OF WALLS OR FLOORS, AND AT BRANCHES FROM MAINS.
- 2. IDENTIFY THE FOLLOWING SERVICES:
  - 120/208 VOLTAGE A. LOW VOLTAGE B. HIGH VOLTAGE 277/480 VOLTAGE C. FIRE ALARM FIRE ALARM D. TELEPHONE TELEPHONE
- 3. SPOT PAINTING ON ROUGH-IN:
- A. CONDUIT, RACEWAYS, BOXES, BACKBONES, PANELBOARDS, ETC. SHALL BE SPOT PAINTED. CONDUIT SHALL BE IDENTIFIED WITHIN 6 INCHES OF THE BOX OR ENCLOSURE. THE ENTIRE BOX AND COVERPLATE SHALL BE PAINTED.

EQUIPMENT BRANCH

D. USE THE FOLLOWING COLORS FOR COLOR BANDS AND FOR COLOR CODING:

EQUIPMENT BRANCH

SYSTEM	<u>COLOR</u>
1) EQUIPMENT BRANCH	KELLY GREEN
2) NORMAL POWER	WHITE
3) MISCELLANEOUS COMMUNICATIONS	BROWN
4) FIRE ALARM	RED
5) TELEPHONE/COMPUTER	BLACK

- E. CABLE AND CONDUCTOR IDENTIFICATION WILL BE AS PER NFPA 70
- F. OPERATIONAL SIGNAGE SHALL BE PROVIDED WHERE REQUIRED.
- G. PROVIDE NAME PLATES, SECURITY FASTENED, ON ALL MAJOR EQUIPMENT.
- H. PROVIDE "ARC FLASH"WARNING SIGNAGE.
- 16110 BASIC MATERIALS AND METHODS
- A. RACEWAYS AND FITTINGS:
- 1. ALL WIRING SHALL BE INSTALLED IN APPROPRIATE RACEWAY SYSTEMS OF RIGID GALVANIZED (RGS) CONDUIT, ELECTRICAL METALLIC TUBING, FLEXIBLE STEEL CONDUIT AND LIQUID-TIGHT FLEXIBLE CONDUIT AS CONDITIONS AND CODES DICTATE. EMT SHALL BE JOINED WITH STEEL COMPRESSION TYPE FITTINGS.
- A. IN STUD PARTITIONS, CONCEALED ABOVE CEILING: EMT
- B. IN MECHANICAL ROOMS, SUBJECT TO ABUSE: RGS
- C. BURIED CONDUIT:
- 1. 1" MINIMUM TRADE SIZE
- IN CONCRETE RGS, SCH 40/80 PVC, RGS SWEEPS BELOW SLABS - RGS, SCH 40/80 PVC, RGS SWEEPS
- DIRECT BURY EXTERIOR: RGS, SCH 40/80 PVC STUBS THRU SLABS - RGS
- D. FLEXIBLE METALLIC RACEWAY 24" MAX LENGTH
  - 2. ALL CONDUIT SHALL HAVE AN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR THROUGHOUT THE ENTIRE LENGTH OF THE CIRCUIT WITHIN THE CONDUIT
  - 3. MINIMUM SIZE: 3/4", UNLESS OTHERWISE NOTED (UON).
- 16120 WIRES AND CABLES
- A. ALL BRANCH CIRCUITS SHALL BE COPPER WITH THHN OR THWN INSULATION. MINIMUM SIZE #12 AWG.
- B. FEEDERS AND SUBFEEDERS SIZE #4 AND LARGER SHALL BE XHHW COPPER, UNLESS OTHERWISE NOTED.
- C. COLOR CODING SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE OR JURISDICTION SPECIFICALLY. PHASE CONDUCTORS OF EACH VOLTAGE SYSTEM MUST BE OF A DIFFERENT COLOR. NEUTRALS SHALL BE WHITE FOR 120/208 AND GRAY FOR 277/480. EQUIPMENT GROUNDING CONDUCTORS SHALL BE GREEN
- D. TAPS AND SPLICES: FOR #8 OR SMALLER CONDUCTORS SHALL USE PRE-INSULATED SCOTCHLOCK OR IDEAL WING-NUT SPRING TENSION CONNECTIONS, FOR LARGER THAN #8 CONDUCTORS USE APPROVED SOLDERLESS, PRESSURE TYPE BOLTED CONNECTORS.
- E. EXTERIOR CIRCUITS SHALL USE BOLTED CONNECTOR, GEL FILLED CAPS.

### 16130 OUTLET BOXES

- A. OUTLET BOXES SHALL BE ONE PIECE OR PROJECTION WELDED, GALVANIZED STAMPED STEEL FOR GANG SIZES REQUIRED. SECTIONAL BOXES ARE NOT ACCEPTABLE. BOXES SHALL BE 4" SQUARE AND 1-1/2" DEEP GENERALLY. LARGER BOXES SHALL BE USED AS REQUIRED BY CODE.
- PULL/JUNCTION BOXES: GALVANIZED STEEL, 14 GAUGE MINIMUM, INSTALL IN ACCESSIBLE LOCATIONS.

### 16140 WIRING DEVICES

- A. ALL RECEPTACLES SHALL BE 20 AMP, 125 VOLT GROUNDING TYPE, (SPECIFICATION GRADE) AND
- B. SWITCHES SHALL BE 20 AMP, 125 VOLT SILENT TYPE, SPECIFICATION GRADE, AND MOUNTED AT 48" AFF.
- C. RECEPTACLES LOCATED WHERE WATER OR WET CONDITIONS EXIST SHALL BE ON GROUND FAULT
- D. DEVICE PLATES SHALL BE 302 STAINLESS STEEL. DEVICE COLORS SHALL BE IVORY. EMERGENCY RECEPTACLES SHALL BE RED.
- E. APPROVED MANUFACTURERS: HUBBEL, PASS & SEYMOR, LEVITON.

### 16425 SERVICE AND DISTRIBUTION

A. SERVICE FROM TRANSFORMER TO MAIN SERVICE EQUIPMENT SHALL BE UNDERGROUND.

### 16450 GROUNDING

- A. GENERAL: PROVIDE A COMPLETE GROUNDING SYSTEM IN ACCORDANCE WITH NEC.
- 1. EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAY SYSTEMS.
- INSTALL GROUNDING BUSHINGS.
- INSTALL GROUNDING BONDING JUMPER ACROSS ALL BUILDING EXPANSION JOINTS AND RACEWAY EXPANSION FITTINGS.
- 4. INSTALL GROUNDING ELECTRODE SYSTEM AS REQUIRED BY AHJ.
- PROVIDE A GROUND TEST WELL FOR SERVICE AT THE GROUND ROD CLOSEST TO THE SERVICE
- USE EXOTHERMIC SYSTEMS FOR ALL UNDERGROUND CONNECTIONS.
- 7. PROVIDE GROUND BARS IN ALL ELECTRIC AND TELCOM ROOMS.
- 8. PROVIDE A MAIN PRINCIPLE GROUND TRIAD FOR SERVICE ENTRANCE
- 9. CERTIFY GROUND SYSTEM TESTING TO ACHIEVE LESS THAN 5 OHMS USING A CLAMP-ON OR 3 POINT FALL OF POTENTIAL TESTER
- 10. PROVIDE SUPPLEMENTARY ELECTRODES, UFER GROUNDS TO ACHIEVE RESISTANCE OHMS.

### 16470 PANELBOARDS

- A. PANELS SHALL BE FULL SIZE, MINIMUM 20" WIDE X 5-3/4" DEEP USING FULL SIZE, BOLT-ON QUICK-BREAK CIRCUIT BREAKERS OF THE THERMAL MAGNETIC TYPE. MAINS SHALL BE LUGS ONLY OR MAIN BREAKERS AS REQUIRED. ALL PANELS TO HAVE SEPARATE EQUIPMENT GROUND BAR AND TYPEWRITTEN DIRECTORIES. PROVIDE COPPER CONDUCTORS, BUSSING FOR ALL CURRENT CARRYING
- B. PANELS SHALL BE RATED FOR USE AS SERVICE ENTRANCE WHERE REQUIRED
- C. FULLY RATED PANELBOARDS AND ELECTRICAL DISTRIBUTION GEAR, SELECTIVELY COORDINATED PER
- D. APPROVED MANUFACTURERS: SQUARE D, GE, CUTLER HAMMER, SIEMENS.

### 16480 SAFETY SWITCHES AND MOTOR CONTROLS

- A. MOTOR STARTERS SHALL BE ACROSS-THE-LINE MAGNETIC TYPE SIZED FOR MOTOR HORSEPOWER. OVERLOADS SHALL BE PROVIDED IN EACH PHASE. HAND-OFF-AUTO SELECTOR SWITCHES, RUN PILOT LIGHTS AND AUXILIARY CONTACTS SHALL BE INCLUDED. CONTROL SHALL BE 120V VIA SELF CONTAINED
- MOTORS 1/3 HP AND SMALLER: 120V OR 208V SINGLE PHASE.
- MOTORS 1/2 HP AND LARGER: 208V OR 480V THREE PHASE ALL SINGLE SPEED STARTERS, MOTORS SMALLER THAN 1/2 HP - MANUAL STARTER WITH OVERLOAD, PILOT LIGHT.
- ALL STARTERS AND FUSIBLE COMBINATION STARTERS, MOTORS 1/2 HP AND LARGER SHALL
- BE MAGNETIC FVNR, UNLESS OTHERWISE NOTED. MINIMUM SIZE COMBINATION STARTER SHALL BE NEMA SIZE 1.
- B. ALL CONTROL, ALARM AND INTERLOCK WIRING SHALL BE IN CONDUIT AND SHALL BE COLOR CODED.
- C. DISCONNECT SWITCHES SHALL BE HEAVY DUTY AND SHALL USE A QUICK-MAKE, QUICK-BREAK MECHANISM WITH AN ENCLOSURE OF A NEMA TYPE CONFORMING TO AREA IN WHICH IT IS INSTALLED. DISCONNECTS FOR MOTORS SHALL BE HORSEPOWER RATED.
- D. APPROVED MANUFACTURERS: SQUARE D, GE, CUTLER HAMMER, SIEMENS.

### 16490 FUSES

- A. ALL FUSES SHALL BE CURRENT LIMITING TYPE -
- 1. THRU 90 AMPS DUAL ELEMENT, TIME DELAY, CLASS RK-5
- 100 TO 600 AMPS DUAL ELEMENT, TIME DELAY, CLASS RK-1
- ABOVE 600 AMPS TIME DELAY, CLASS L

### ALL MOTORS TO BE PROTECTED BY DUAL ELEMENT, TIME DELAY FUSES.

A. LIGHTING SHALL BE DESIGNED FOR TYPE OF TASK INVOLVED AND IN GENERAL SHALL UTILIZE 3500-DEGREE K. T8, BIAX, AND COMPACT FLUORESCENT LAMPS, UON.

- B. IN GENERAL, FIXTURE TYPES SHALL BE:
- REFER TO LIGHTING FIXTURE SCHEDULE
- C. EXIT LIGHTS AND EMERGENCY EGRESS LIGHTING SHALL HAVE INTEGRAL EMERGENCY BATTERIES OR INVERTER.
- D. FLUORESCENT BALLASTS SHALL BE AUTOMATIC RESET THERMAL PROTECTED, (BM-ETL SERIES, SOUND RATED, HIGH POWER FACTOR TYPE. U.L. CLASS P BALLASTS SHALL BE FURNISHED WITH EXTERNAL FUSING. ALL BALLASTS SHALL BE OF THE
- E. HID BALLASTS SHALL BE HIGH POWER FACTOR TYPE PROTECTED BY IN-LINE FUSES
- F. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION

### 16550 LIGHTING CONTROLS

- A. PROVIDE CONTROL SYSTEM FOR CONTROL OF INTERIOR AND EXTERIOR LIGHTING SYSTEMS. SYSTEM SHALL INCLUDE RELAY, CONTACTOR CONTROL PANEL, PHOTOCELLS AND ALL ASSOCIATED WIRING.
- B. PROVIDE PHOTOCELLS, TIMECLOCKS, CONTACTORS, SENSORS, DIMMERS AND RELAYS TO CONTROL ALL LIGHTING SYSTEMS.
- C. APPROVED MANUFACTUERERS

### 16709 SURGE SUPPRESSION, BONDING AND GROUNDING

- A. SURGE SUPPRESSION EQUIPMENT SHALL BE PROVIDED FOR ALL DISTRIBUTION EQUIPMENT. IT SHALL BE INSTALLED ON THE MAIN ELECTRIC SERVICE, ALL DISTRIBUTION PANELS AND SELECTED SUB-PANELS, POWER SUPPLIES OF SPECIAL SYSTEMS, AND ON CIRCUITS FEEDING SELECTED MAJOR ITEMS THAT HAVE A SENSITIVE ELECTRICAL NATURE. A BONDING AND SINGLE POINT GROUNDING SYSTEM SHALL BE PROVIDED TO INTERCONNECT THE MAIN ELECTRIC SERVICE GROUND, LIGHTNING
- PROTECTION SYSTEM GROUNDS AND ALL SPECIAL ELECTRONIC SYSTEM ISOLATED GROUNDS.
- B. COMPLY WITH UL 1449.
- C. MAINS 200kA, DISTR 100kA, BRANCH 50kA D. APPROVED MANUFACTURERS: JOSLYN, PSI, CURRENT TECHNOLOGY, SQ-D, AND ACT COMMUNICATIONS

### 16720 FIRE ALARM SYSTEM

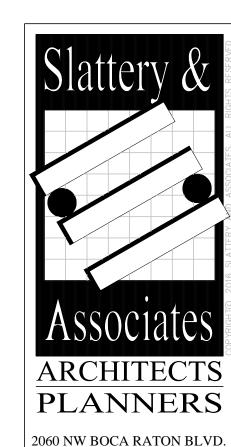
- A. FIRE ALARM AND DETECTION: AN ELECTRICALLY SUPERVISED, FULLY ADDRESSABLE, 24V D.C. FIRE ALARM SYSTEM SHALL BE PROVIDED AND SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:
- 1. DETECTION GENERALLY FROM DUCT LOCATED PHOTOELECTRIC TYPE DETECTORS AND AREA CEILING PHOTOELCTRIC
- 2. IONIZATION DETECTORS IN TRASH CHUTES. 3. FIRE ALARM, DOUBLE ACTION MANUAL PULL STATIONS.
- 4. SPRINKLER SYSTEM WATER FLOW SWITCH AND VALVE ALARM.
- 5. ALARM SIGNALS FROM WITH FLASHING LIGHTS (ADA COMPLIANT)
- 6. FAN SHUT DOWN, SMOKE DOOR CLOSURE, AND SMOKE DAMPER CONTROL, WHERE REQUIRED. 7. CONNECTION TO LIFE SAFETY BRANCH OF THE ESSENTIAL DISTRIBUTION SYSTEM.
- 8. SEE FIRE ALARM DRAWINGS FOR ADDITIONAL INFORMATION.

B. APPROVED MANUFACTURERS: NOTIFIER, EDWARDS, JOHNSON CONTROLS, SIMPLEX.

### 16740 TELEPHONE/DATA RACEWAY SYSTEM

- A. TELEPHONE SYSTEM: CONDUIT, OUTLET BOXES AND TERMINAL BOARDS LOCATED IN TELEPHONE EQUIPMENT CLOSETS SHALL BE PROVIDED. COMPUTER TERMINAL LINE, LOCATIONS SHALL BE REVIEWED AND PROVISIONS MADE FOR DATA LINES AND TERMINATIONS.
- B. SEE RISERS FOR ADDITIONAL INFORMATION.

REVISIONS



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DB/FR/AB CHECKED UI/SR/DA/JB DATE 07-21-16 SCALE AS NOTED JOB NO. 16104 SHEET

DRAWN

PRIOR TO SUBMITTING THE BID. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

### FIRE ALARM SPECIFICATIONS

- 1. SYSTEM SHALL BE GENERAL ALARM, NON-CODED, ELECTRICALLY SUPERVISED, CONVENTIONAL, POWER LIMITED, BATTERY BACK-UP, TELEPHONE AUTODIALER TO SEND SIGNALS TO CENTRAL STATION FACILITY, TROUBLE BELL, TROUBLE LIGHT, & SILENCING SWITCH. IDC CIRCUIT SHALL BE "CLASS B-STYLE B", NOTIFICATION CIRCUIT SHALL BE "CLASS B-STYLE Y".
- 2. FIRE ALARM CONTROL PANEL SHALL BE AS SPECIFIED, INCLUDING ALL MODULES, CARDS, COMPONENTS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- 3. SUPPLEMENTARY APPLIANCE INDICATING PANEL SHALL HAVE TWO 1.5 AMP-24VOLT (30 VA) NOTIFICATION APPLIANCE CIRCUITS, WITH SELF-CONTAINED POWER AND BACK-UP BATTERY CHARGER & BATTERIES.
- 4. EACH FIRE ALARM PANEL SHALL HAVE MAINTAINANCE FREE BATTERY BACK-UP WITH MINIMUM 24 HOURS STANDBY AND ADDITIONAL 5 MINUTES ALARM. FIRE ALARM SUPPLIER/ INSTALLER SHALL SUBMIT BATTERY CALCULATIONS BASED UPON DEVICES ACTUALLY INSTALLED FOR PER BUILDING.
- 5. MAKE ALL SPLICES/ CONNECTIONS ON TERMINAL STRIPS. TAPED OR WIRE NUT SPLICES NOT ALLOWED. WIRING COLOR CODE IS HIGHLY RECOMMENDED FOR EASE OF TERMINATIONS.
- 6. AT START OF JOB AND PRIOR TO ANY INSTALLATION, SUBMIT COMPLETE WIRING DISGRAMS INCLUDING WIRE AND CONDUIT SIZES, EQUIPMENT LISTS AND CATALOGUE CUTS OF EACH ITEM OF EQUIPMENT TO ARCHITECT AND TO LOCAL FIRE INSPECTION AUTHORITY FOR APPROVALS.

- 7. INSTALLER SHALL BE U.L. CERTIFIED + STATE LICENSED FIRE ALARM SYSTEMS CONTRACTOR. AT COMPLETION OF JOB, TEST SYSTEM IN PRESENCE OF FIRE INSPECTOR TO HIS/ HER SATISFACTION.
- 8. ALL WIRE COUNTS ARE BASED ON EQUIPMENT NEEDS. THE TYPE OF WIRE USED (SIZE, INSULATION, # OF STRANDS, ETC.) AND HOW IT IS INSTALLED IS THE SOLE RESPONSIBILTY OF THE ELECT. CONTRACTOR. IT MUST MEET ALL APPLICABLE CODES AND SPECIFICATIONS. ALL WIRE SHALL BE #14 THWN - CU.
- 9. ALL CONDUIT SIZE SHALL BE 3/4". UNLESS NOTED OTHERWISE. THE INSTALLATION OF THE FIRE ALARM RACEWAY SYSTEM IS THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- 10. ALL COMPONENTS SHALL REFLECT 'UL' LISTING FOR FIRE SERVICE USE, MEET NFPA 72 REQUIREMENTS, AND SHALL BE COMPATIBLE. FIRE ALARM SYSTEM TO BE INSTALLED IN ACCORDANCE WITH NFPA.
- 11. A BREAK IN ANY FIELD WIRING OR GROUNDING OF ANY CONDUCTOR WILL RESULT IN THE ACTIVATION OF THE FIRE ALARM PANEL TROUBLE BUZZER, WHICH CAN BE SILENCES BY OPERATING THE "TROUBLE SILENCE" BUTTON ON THE FIRE ALARM PANEL.
- 12. PULL STATIONS TO BE MOUNTED AT 48" AFF PER THE ADA CODE. 13. WALL MOUNTED HORN/STROBES AND HORNS TO BE AT 84" AFF TO
- BOTTOM AND NOT EXCEED 96" AFF. 14. THE 120 VAC POWER FEED FOR THE FIRE PANEL MUST BE FROM A
- DEDICATED EMERGENCY PANEL BREAKER, AND THE BREAKER MUST BE LOCKABLE, RED IN COLOR, AND IDENTIFIED THAT IT IS FOR THE "FIRE ALARM SYSTEM".

	DEVICE MOUNTING HEIGHTS
STROBE-ONLY DEVICES  4"x2" BACK  8.	6" BELOW CEILING MIN HANDICAP DROOM STROBE  ACCEPTED HERE  4"  12" (MAX)  IMPORTANT NOTE VERIFY EXACT MOUNTING  ON ANGLE
SYNCHRONIZE MORE THAN TWO APPLIANCES IN ANY FIELD OF VIEW, SPACED A MINIMUM OF 55' FROM EACH OTHER IN ROOMS 80' x 80' OR GREATER. NFPA 72 2002 EDITION (SECTION A-4-4.4.1.1(1))  SYNCHRONIZE MORE THAN TWO APPLIANCES IN ANY FIELD OF VIEW, SPACED A MINIMUM OF 55' FROM EACH OTHER IN ROOMS 80' x 80' OR GREATER. NFPA 72 2002 EDITION (SECTION A-4-4.4.1.1(1))	BOX REQUIREMENTS WITH MANUFACTURERS DATA SHEETS  WALL MOUNTED SMOKE/HEAT DETECTOR  WOTH DOOR HOLDER  WARNAUAL PULL FIRE STATION PHONE JACK PHONE STATION NFPA 72 2002 EDITION (SECTION 2-8.1) FBC. 11-4.28.3 (4),(6)  FIRE STATION NFPA 72 2002 EDITION (SECTION 2-8.1) FBC. 11-4.28.3 (4),(6)

	FIRE ALARM SYMBOL LE	GEND - MAI	ICH EXISTING
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
¤	WALL MOUNTED STROBE LIGHT (CD AS INDICATED)	S <sup>DD</sup>	SMOKE DUCT DETECTOR
XWP	WALL MOUNTED WEATHER-PROOF STROBE LIGHT (CD AS INDICATED)	<b>8</b> <sub>P</sub>	PHOTOELECTRIC SMOKE DETECTOR
	WALL MOUNTED HORN/STROBE (CD AS INDICATED)	•	ADDRESSABLE HEAT DETECTOR
⊠Q WP	WALL MOUNTED WEATHER-PROOF HORN/STROBE (CD AS INDICATED)	<b>→</b> WP	ADDRESSABLE WEATHER-PROOF HEAT DETECTOR
H	WALL MOUNTED FIRE ALARM SPEAKER	6	TAMPER SWITCH
FACP	ADDRESSABLE FIRE ALARM CONTROL PANEL	↓	FLOW SWITCH
AP	ANNUNCIATOR PANEL	CR	CONTROL MODULE/RELAY
RPS	REMOTE POWER SUPPLY	КВ	KNOX BOX
ПР	SINGLE ADDRESABLE PULL STATION		

5]		[KB]						
] <sub>P</sub>	SINGLE ADDRESABLE PULL STATION							
TES: ALL DEVICES SHOWN IN SYMBOL LEGEND MAY NOT BE USED FOR THIS PROJECT.								

	FIRE ALARM SHEET INDEX								
	SHEET#	DESCRIPTION							
	FA-0.1	FIRE ALARM NOTES, LEGEND, & SPECS							
	FA-1.1	FIRE ALARM PLAN							

### FAC 61G15 FIRE ALARM NOTE

FIRE ALARM DEVICES ON THIS PLAN ARE SHOWN FOR DESIGN CRITERIA INTENT ONLY. THEY MAY NOT REPRESENT ALL DEVICES OR A COMPLETE SYSTEM OR FUNCTIONS THAT MAY BE REQUIRED BY THE AHJ/FIRE MARSHAL. CONTRACTOR SHALL DESIGN/BUILD THE FIRE ALARM SYSTEM AND ENGAGE HIS INDEPENDENT DELEGATED FLORIDA LICENSED PE TO PREPARE SIGNED AND SEALED WORKING DRAWINGS IN ACCORDANCE WITH FAC 61G15. THE DESIGN/BUILDER TEAM SHALL ISSUE FIRE ALARM PERMIT DRAWINGS WITH A COMPLETED DESIGN, CALCULATIONS, WIRING DIAGRAMS, PRODUCT DATA CONFORMING TO AGENCY REQUIREMENTS. THE DESIGN/BUILDER SHALL SUBMIT THE SIGNED AND SEALED DRAWINGS AND DATA TO THE PRIME CONTRACTOR, ARCHITECT AND ENGINEER AS A SHOP DRAWING SUBMISSION FOR REVIEW. THE DESIGN/BUILDER SHALL MEET WIT AGENCIES, SUBMIT THEIR COMPLETE DRAWINGS AND DATA TO THE AGENCIES REQUIRED TO ACHIEVE A PERMIT AND CERTIFICATE OF OCCUPANCY (C.O.O.).

THE FIRE ALARM SYSTEM DESIGN FOR THIS PROJECT SHALL BE IN FULL ACCORDANCE WITH THE PROVISIONS OF THE FLORIDA ADMINISTRATIVE CODE. CHAPTER 61 G15-30 AS IT PERTAINS TO "DELEGATED ENGINEER". THE FIRE ALARM CONTRACTOR SHALL PROCURE THE SERVICES OF A FLORIDA REGISTERED ENGINEER WHO WILL ACT AS THE DELEGATED ENGINEER FOR THE FIRE PROTECTION SYSTEM DESIGN BASED ON THE DESIGN INTENT OF THE CONTRACT DOCUMENTS. TH DELEGATED ENGINEER WILL BECOME THE "ENGINEER OF RECORD" FOR THIS PORTION (FIRE ALARM SYSTEM) OF THE ENGINEERING PROJECT. THE DELEGATED ENGINEER SHALL CONFIRM TO ALL REQUIREMENTS SET FORTH IN THE FLORIDA ADMINISTRATIVE CODE, 61 G15-30.006 "DELEGATED ENGINEER'S RESPONSIBILITY". ALL FINAL DELEGATED ENGINEERING DOCUMENTS REQUIRE THE IMPRESSED SEAL AND SIGNATURE OF THE DELEGATED ENGINEER. DELEGATED ENGINEER SHALL B THE FIRE ALARM SUCCESSOR ENGINEER OF RECORD FOR THE PROJECT.

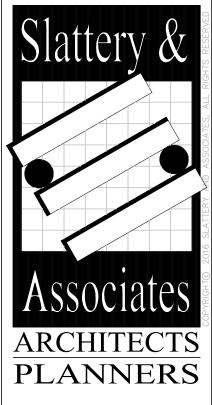
### **FIRE ALARM NOTE**

FIRE ALARM DEVICES ON THIS PLAN ARE SHOWN FOR INTENT ONLY. FIRE ALARM CONTRACTOR TO PROVIDE SHOP DRAWINGS AND CUT SHEETS FOR APPROVAL BY THE LANDLORD AND BY THE FIRE MARSHALL. FIRE ALARM DEVICES SHALL TIE INTO THE BUILDING'S MAIN FIRE ALARM SYSTEM.

### **GENERAL NOTE**

CONTRACTOR SHALL DESIGN AND PROVIDE ALL STRUCTURAL SUPPORTING SYSTEMS TO MOUNT F.A. DEVICES, SECURELY TO PERMANENT STRUCTURE. PROVIDE ALL CORROSION RESISTANT MATERIAL.

### REVISIONS



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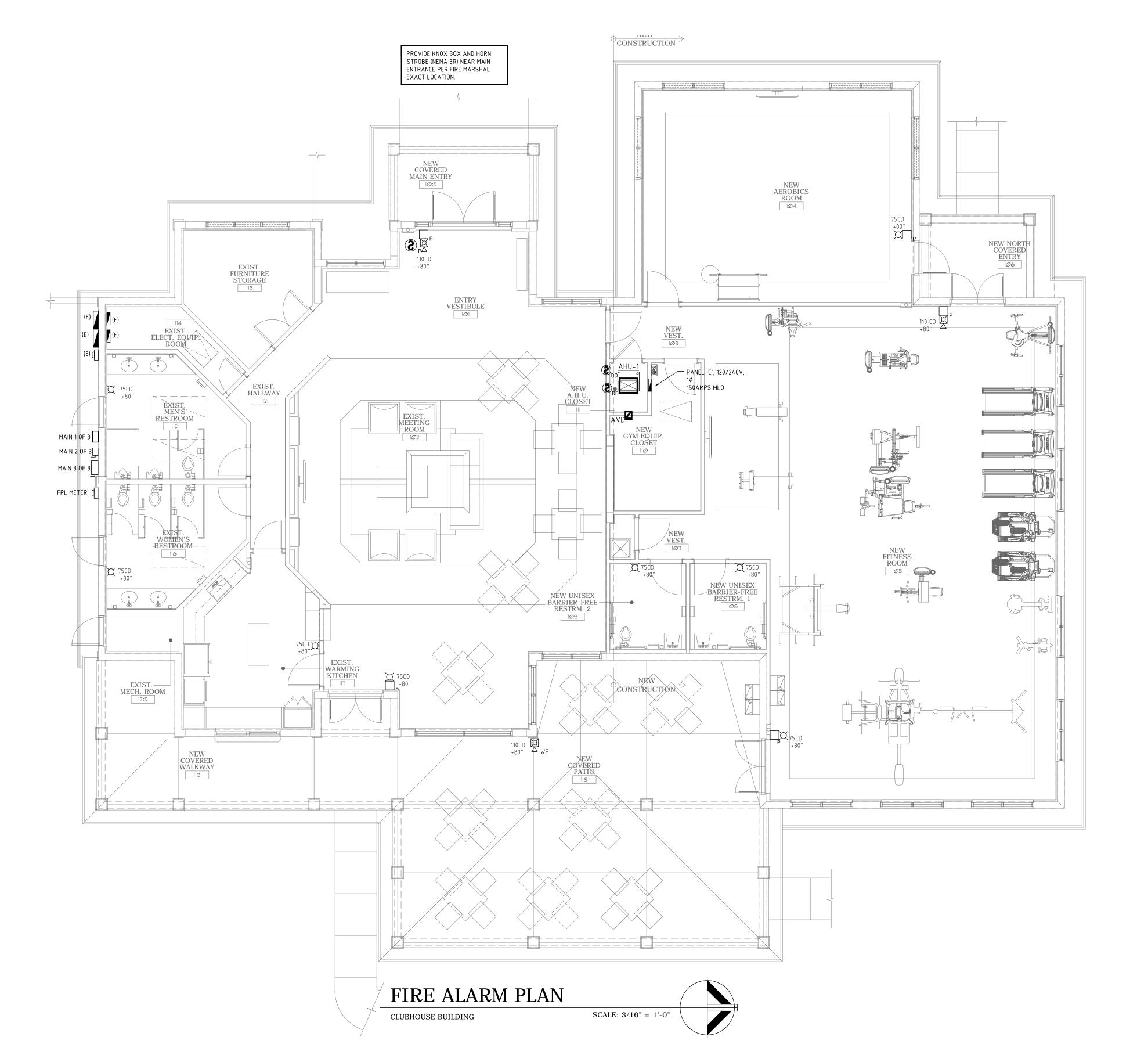
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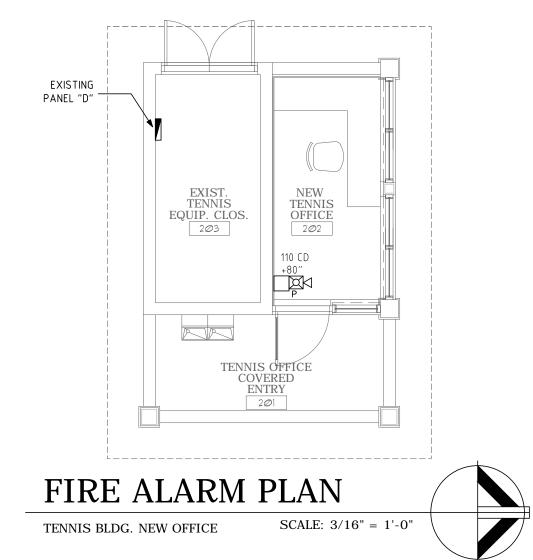
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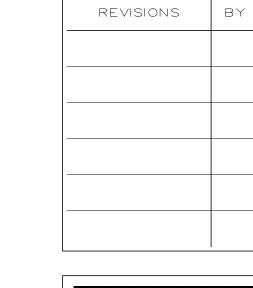
DATE 07-21-16 SCALE AS NOTED JOB NO. 16104 SHEET

DRAWN DB/FR/AB CHECKED UI/SR/DA/JB

PRIOR TO SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.









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DATE 07-21-16 SCALE AS NOTED JOB NO. 16104 SHEET 700 WEST HILLSBORO BLVD. - BLDG. #1, SUITE 204 DEERFIELD BEACH, FLORIDA 33441 TEL: (561) 391-9292 FAX: (561) 391-9898

FA1.1

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THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. CERTIFICATE OF AUTHORIZATION NO. 28107 THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING URSULA IAFRATE, P.E. LICENSE #73122 FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. STEPHEN F. ROLLIN, P.E. LICENSE #36428 DONALD H. AUSTIN, JR., PE LICENSE #60651NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF JASON BARBER, P.E. LICENSE #73050 RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. E-MAIL: INFO@FAECONSULTING.COM NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED. DESIGNED BY: DB/FR/AB PM: KS P/N: 16104

### PLUMBING FIXTURE UNIT CALCULATION

FIXTURE TYPE	<u>NO.</u>	F.U./EACH	<u>TOTAL</u>	MIN. TRAP SIZE
WATER CLOSET	6	4.0	24.0	3"
URINAL	2	4.0	8.0	2"
LAVATORY	6	1.0	6.0	1 1/4"
SINK	1	2.0	2.0	1 1/2"
DRINKING FOUNTAIN	6	0.5	3.0	1 1/4"
FLOOR DRAIN	3	2.0	6.0	2"
MOP SINK	1	2.0	2.0	1–1/2"
TOTAL			51.0	-

TOTAL SANITARY FIXTURE UNITS=.....51.0 MINIMUM SIZE SANITARY LINE @ 1/8" SLOPE.....

HOT & COLD WATER SIZING	PER TABLE	E103.3(2) F.B.C. 2014	4 (PLUMBING)		
FIXTURE TYPE	<u>NO.</u>	C.W.F.U./EA.	H.W.F.U./EA.	PER FIXTURE TOTAL	MULTIPL TOTAL
WATER CLOSET	6	10.0	-	10.0	60.0
URINAL	2	5.0	_	5.0	10.0

LAVATORY 2.0 0.25 MOP SINK 2.25 2.25 3.0 88.5

TOTAL C.W.F.U. = ...88.5... MINIMUM SIZE WATER SERVICE....1-1/2"...

IF EXISTING WATER SERVICE PIPE IS NOT LARGE ENOUGH CONTRACTOR TO UPGRADE WATER SERVICE AS REQUIRED TO ACCOMMODATE NEW LOAD.

### MAXIMUM FLOW RATES AND CONSUMPTION FOR PLUMBING FIXTURES AND FITTINGS

FLORIDA BUILDING CODE 2014 PLUMBING TABLE 604.4 MAXIMUM FLOW RATES (GPM) <u>FIXTURE TYPE</u> LAVATORY, PUBLIC (METERING) 0.25 GP METERING CYCLE LAVATORY, PUBLIC (OTHER THAN METERING) 0.5 GPM AT 60PSI 2.2 GPM AT 60PSI URINAL 1.0 GPF CYCLE WATER CLOSET 1.6 GPF CYCLE

### PLUMBING EQUIPMENT SPECIFICATIONS

WATER HEATER 10 GALLON, 240V SINGLE PHASE, WITH ASME PRESSURE AND TEMPERATURE RELIEF VALVE, WITH COMPLETE CONTROLS, ADJUSTABLE THERMOSTATS, HIGH TEMPERATURE CUTOFF, U.L. LISTED, SET AT 140° F. MANUFACTURER WATTS, MODEL #MMV. THERMOSTATIC DOUBLE THROTTLING MIXING VALVE MAINTAINS AND LIMITS MIXED HOT WATER BETWEEN 80°F AND 120°F. COMPLIES MIXING VALVE

	PLUMBING SHEET INDEX
SHEET#	DESCRIPTION
P0.1	PLUMBING SCHEDULES, LEGENDS, NOTES & INDEX
P0.2	PLUMBING DETAILS
P0.3	PLUMBING RISERS
PS1.1	SITE PLAN
P1.0	FOUNDATION PLUMBING PLAN

PLUMBING PLAN

### **CONTRACTOR GENERAL CONDITIONS NOTES**

- RFI'S: CONTRACTOR SHALL SUBMIT RFI'S WITH HIS PROPOSED SOLUTION IN A TIMELY MANNER. CONTRACTOR RECOGNIZES THE CONSULTANT SHALL REQUIRE UP TO 5 WORKING DAYS TO RESPOND.
- SUBMITTALS AND PRODUCT DATA: CONTRACTOR SHALL PREPARE A SUBMITTAL SCHEDULE FOR APPROVAL BY THE A/E. CONTRACTOR RECOGNIZES THE CONSULTANT SHALL REQUIRE UP TO 10 WORKING DAYS TO REVIEW SUBMISSIONS. ALL SUBMITTALS, PRODUCT DATA, SHALL BE CLEARLY STAMPED AND INDICATED APPROVED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE
- SHOP DRAWINGS: CONTRACTOR SHALL PREPARE A SHOP DRAWING SCHEDULE FOR APPROVAL BY THI A/E. CONTRACTOR RECOGNIZES THE CONSULTANT SHALL REQUIRE UP TO 10 WORKING DAYS TO REVIEW SHOP DRAWINGS. ALL SHOP DRAWINGS, SHALL BE CLEARLY STAMPED AND INDICATED APPROVED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE CONSULTANT.
- LAYOUT AND COORDINATION DRAWINGS: CONTRACTOR SHALL PREPARE SCALED COMPREHENSIVE COORDINATED LAYOUT DRAWINGS. PROVIDE SECTIONS, GENERAL ARRANGEMENTS, ELEVATIONS INCLUDING ALL DISCIPLINES FOR HIS PROPOSED LAYOUT AND ROUTING PRIOR TO FABRICATION. SUBMIT TO OWNER AND A/E FOR REVIEW AND GENERAL CONFORMANCE. PROVIDE DRAWINGS THAT DEMONSTRATE VIA COORDINATED ELEMENTS AND SYSTEMS WITH STRUCTURE THAT CLEARLY INDICATE PROPOSED SYSTEMS WILL FIT, FUNCTION AS INTENDED, BE FREE OF INTERFERENCES AND CONFORM TO REQUIRED CODE AND MANUFACTURER WORKING AND MAINTENANCE CLEARANCES.
- DEVIATIONS FROM BASIS FOR DESIGN SYSTEMS SHALL BE CLEARLY IDENTIFIED ON ALL SUBMISSIONS.
- A. CONTRACTOR SHALL PREPARE REQUESTS WITH COMPLETE COORDINATION INFORMATION, INCLUDE ALL CHANGES REQUIRED IN OTHER ELEMENTS OF THE WORK TO ACCOMMODATE THE SUBSTITUTION
- INCLUDING WORK PERFORMED BY THE OWNER AND THE SEPARATE CONTRACTORS. B. PROVIDE COMPLETE SUPPORTING DATA QUALIFYING THE SUBSTITUTION COMPARED TO THE BASIS OF DESIGN SYSTEM. PROVIDE A DETAILED LIST OF ANY VARIANCES, PHYSICAL OR SPATIAL
- LAYOUTS, ELEVATIONS, ETC. TO THE BASIS OF DESIGN. C. PROVIDE A STATEMENT INDICATING THE EFFECT THE SUBSTITUTION WILL HAVE ON THE WORK SCHEDULE IN COMPARISON TO THE SCHEDULE WITHOUT APPROVAL OF THE PROPOSED
- SUBSTITUTION, INCLUDE INFORMATION REGARDING THE EFFECT OF THE PROPOSED SUBSTITUTION ON THE CONTRACT TIME. D. PROVIDE CERTIFICATION BY THE CONTRACTOR TO THE EFFECT THAT, IN THE CONTRACTOR'S OPTION,
- AFTER THOROUGH EVALUATION, THE PROPOSED SUBSTITUTION WILL RESULT IN WORK THAT IN EVERY SIGNIFICANT RESPECT IS EQUAL TO OR BETTER THAN THE WORK REQUIRED BY THE CONTRACTOR DOCUMENTS AND THAT IT WILL PERFORM ADEQUATELY IN THE APPLICATION
- E. CONSULTANT'S EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR OR APPROVED BY THE OWNER SHALL BE COMPENSATED TO THE CONSULTANT BY THE CONTRACTOR.
- AS-BUILT DRAWINGS: THE CONTRACTOR SHALL MAINTAIN AND PREPARE A COMPLETE AND ACCURATE SET OF AS-BUILTS DURING THE PROJECT AND ISSUE TO THE A/E AND OWNER AT PROJECT CLOSEOUT. DURING THE COURSE OF THE PROJECT, THE CONTRACTOR SHALL ISSUE SKETCHES OR SCALED DRAWINGS FOR FIELD CHANGES THAT ARE PROPOSED OR MADE WHICH VARY FROM THE BASIS OF DESIGN. CONSULTANT EXPENSES THAT ARE INCURRED DUE TO SERVICES OR REVISIONS REQUIRED BY BUILDING DEPARTMENT, OWNER, CONTRACTOR, AND MANUFACTURER SHALL BE COMPENSABLE TO THE CONSULTANT BY THE CONTRACTOR.
- INSTALLATION, TESTING AND BALANCING, START UP, COMMISSIONING AND PERFORMANCE TROUBLESHOOTING OF SYSTEMS- CONTRACTOR RECOGNIZES HE IS SOLELY RESPONSIBLE FOR PERFORMANCE AND COMPLETION OF THESE SERVICES AS PART OF THE PROJECT REQUIREMENTS. DURING THE COURSE OF THE PROJECT, THE CONTRACTOR SHALL DOCUMENT THE SERVICES COMPLETED TO THE OWNER AND A/E. CONSULTANT EXPENSES THAT ARE INCURRED DUE TO SUPPORTING SERVICES OR REVISIONS REQUIRED BY BUILDING DEPARTMENT, OWNER, CONTRACTOR, AND MANUFACTURER SHALL BE COMPENSABLE TO THE CONSULTANT BY THE CONTRACTOR.

### PLUMBING SPECIFICATIONS

- ALL WORK TO BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2014, FIFTH EDITION OF THE PLUMBING SECTION AND TO COMPLY WITH ALL LOCAL RULES AND ORDINANCES.
- 1. ALL WORKMANSHIP & MATERIALS TO BE IN STRICT ACCORDANCE WITH APPLICABLE NATIONAL, STATE, LOCAL CODES, RULES &
- 2. CONTRACTOR SHALL VISIT THE JOB SITE & THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
- 4. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST-CLASS WORK MAN LIKE MANNER. THE COMPLETE SYSTEM SHALL BE FULLY OPERATIVE.
- 5. ALL EXCAVATION & BACK FILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
- 6. REQUIRED INSURANCE SHALL BE PROVIDED BY THIS CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY & PROPERTY DAMAGE FOR
- CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS & TEST. SUBSTITUTIONS BY THE CONTRACTOR SHALL HAVE PRIOR APPROVAL. ANY CHANGES MADE WITHOUT APPROVAL WILL BE PAID BY THE CONTRACTOR TO RETURN TO THE ORIGINAL DESIGN.
- 8. EXISTING PIPE SIZES TO BE VERIFIED BY THE PLUMBER AND UPGRADED IF NOT LARGE ENOUGH TO ACCOMMODATE LOAD.
- 9. ALL WORK TO BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROCESS OF CONSTRUCTION.
- 10. THE CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR REVIEW OF THE GENERAL NOTES, SPECIFICATIONS, AND ALL OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS.
- DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. FIELD VERIFY FINAL LOCATIONS FOR EQUIPMENT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS AND EXACT LOCATION OF PLUMBING FIXTURES. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS.
- 12. DRAWINGS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- 13. VERIFY LOCATION, SIZE, TRAPS, INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES. ANY COST RESULTING FROM DISCREPANCIES NOT REPORTED AT THIS TIME SHALL BE PAID BY THE CONTRACTOR.
- 14. INSTALL SIOUX CHIEF 650 SERIES WATER HAMMER ARRESTORS IN PIPING TO QUICK-CLOSING VALVES AS DEFINED IN FLORIDA PLUMBING
- 15. PROVIDE SHUT-OFF VALVES IN THE SUPPLY PIPING TO EVERY FIXTURE.
- 16. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS.
- 17. CAP ALL PIPING OPENINGS DURING CONSTRUCTION UNTIL FINAL CONNECTIONS TO EQUIPMENT AND ACCESSORIES ARE MADE.
- 18. SANITARY PIPE 2 1/2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT. SANITARY PIPE 3" AND LARGER SHALL BE SLOPED AT 1/8" PER FOOT. CONDENSATE PIPING SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT.
- 19. WHERE SOIL CONDITIONS REQUIRE THE USE OF PIER OR PILING SUPPORTED GRADE BEAM CONSTRUCTION OR IN FILLED GROUND WHERE THE SOIL COMPACTION IS LESS THAT 95% THE SANITARY PIPING TO BE INSTALLED BY TRENCHING INTO THE FILL, AND THEN PUTTING HANGERS WITH SUPPORT RODS ON THE PIPES AS THEY ARE INSTALLED. THE HANGER RODS EXTENDING UPWARD TO BE EMBEDDED IN AND ANCHORED IN THE CONCRETE PER ASTM F2536-06B AND UNDERGROUND PIPE TO CONFORM TO ASTM STANDARD D2665.
- 20. DO NOT ROUTE ANY WET PIPING OVER ELECTRICAL EQUIPMENT.
- 21. WATER PIPING TO BE TYPE "L" COPPER ABOVE AND TYPE "K" COPPER BELOW GRADE
- 22. SOIL, WASTE, VENT AND STORM PIPING TO BE PVC SCHEDULE #40 DWV CONFORMING TO ASTM D2665 FOR UNDERGROUND AND AS PER FLORIDA BUILDING CODE PLUMBING 2014 TABLE 70.2 & 702.3. CAST IRON SHALL BE USED IN COMMON PLENUM AREAS.
- 23. HOT WATER, TEMPERED WATER AND HOT WATER RETURN PIPES TO BE INSULATED WITH ARMAFLEX INSULATION FROM THE WATER HEATER TO THE FURTHEST FIXTURE PER 2014 FBC PLUMBING 607.2.1.
- 24. THE DISCHARGE WATER TEMPERATURE FROM LAVATORIES, BIDETS & GROUP WASH FIXTURES LOCATED IN PUBLIC TOILET FACILITIES PROVIDED FOR CUSTOMERS, PATRONS AND VISITORS SHALL BE LIMITED TO A MAXIMUM TEMPERATURE OF 110°F (43°C) BY A WATER TEMPERATURE LIMITING DEVISE CONFORMING TO ASSE 1070 OR CSA B125.3.
- 25. WHERE DISSIMILAR METALS ARE TO BE JOINED, APPROVED INSULATING UNIONS SHALL BE USED.
- 26. HOT WATER EXPANSION LOOPS SHALL BE INSTALLED AS REQUIRED TO PARTLY ABSORB TENSION OR COMPRESSION PRODUCED DURING ANTICIPATED CHANGE IN TEMPERATURE. INSTALL EXPANSION JOINTS OF SIZES OF PIPING IN WHICH THEY ARE INSTALLED. INSTALL ALIGNMENT GUIDES TO GUIDE EXPANSION AND TO AVOID LOADING STRESS.
- 27. WHERE CEILING SPACE IS A COMMON PLENUM NO COMBUSTIBLE MATERIALS ALLOWED.

PRIOR TO SUBMITTING THE BID. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND

INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND

THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED.

FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED.

RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION.

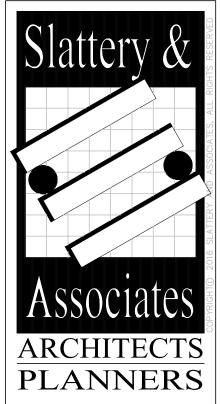
NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING

NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF

- 28. CONDENSATE LINES TO BE COPPER/PVC DEPENDING ON PROJECT REQUIREMENTS, INSULATE WITH ARMAFLEX INSULATION
- 29. FLUSH OUT EXISTING WATER PIPING, STERILIZE THE NEW WATER PIPING LINES BY INTRODUCING IN THEM A SOLUTION OF CALCIUM HYPOCHOLORITE OR CHLORIDE OF LIME. OPEN AND CLOSE ALL NEW VALVES WHILE SYSTEM IS BEING CHLORINATED. AFTER THE STERILIZING AGENT HAS BEEN APPLIED FOR 24 HOURS, TEST FOR RESIDUAL CHLORINE AT THE ENDS OF LINES. IF LESS THAN 10 PARTS PER MILLION IS INDICATED, REPEAT THE PROCESS. WHEN TESTS SHOW AT LEAST 10 PARTS PER MILLION OF RESIDUAL CHLORINE, FLUSH OUT THE SYSTEM UNTIL ALL TRACES OF THE CHEMICAL USED ARE REMOVED. MAKE NECESSARY CONNECTIONS TO STERILIZE PIPING.
- 30. AFTER STERILIZATION HAS BEEN ACCOMPLISHED INITIATE A BACTERIOLOGICAL TEST PERFORMED BY AN APPROVED TESTING LABORATORY. WATER SHALL BE DRAWN FROM THE SYSTEM AT A POINT FURTHEST FROM THE WATER ENTRANCE TO THE BUILDING. A CERTIFIED TEST REPORT OF THESE TESTS RESULTS INDICATING SATISFACTORY COLIFORM COUNT, COLOR AND CHLORINE RESIDUAL SHALL BE PRESENTED TO THE ARCHITECT AND OWNER WHEN THE WATER SUPPLY PIPING SYSTEM IS SUBSTANTIALLY COMPLETED DURING CONSTRUCTION. ANOTHER SIMILAR TEST SHALL BE PERFORMED AT THE TIME OF ISSUANCE OF THE CERTIFICATE OF OCCUPANCY WITH ANOTHER CERTIFIED TEST REPORT PRESENTED TO THE ARCHITECT AND OWNER AT THAT TIME.
- 31. FEDERAL LAW MANDATES AS OF JANUARY 4, 2014 THE WETTED SURFACE OF EVERY PIPE, FIXTURE AND FITTING INSTALLED IN POTABLE WATER APPLICATIONS SHALL NOT CONTAIN MORE THAN 0.25% LEAD BY WEIGHT. SOLDER AND FLUX SHALL NOT CONTAIN MORE THAN 0.2% LEAD. NON-COMPLIANCE MAY RESULT IN FINES, INSTALLED PRODUCT REMOVAL COSTS, LAWSUITS BY PRIVATE PARTIES OR GOVERNMENT
- 32. CONTRACTOR SHALL GUARANTEE ALL MATERIALS & WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- 33. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO BID AND INSTALLATION. INFORM THE ENGINEER OF RECORD OF ANY DISCREPANCY BETWEEN THE DOCUMENTS AND THESE CONDITIONS AND HE SHALL INCLUDE IN HIS BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER THE CONTRACT HAS BEEN AWARDED.
- 34. CONTRACTOR SHALL KEEP AS-BUILTS AND SUBMIT TO THE ENGINEER OF RECORD FOR REVIEW. ALL CHANGES SHALL BE FORWARDED A MINIMUM OF (2) WEEKS PRIOR TO FINAL INSPECTION. ANY EXPENSES, SUCH AS REVISIONS OR AS-BUILTS, NECESSARY FOR FINAL C.O. SHALL BE AT THE EXPENSE OF THE OWNER.

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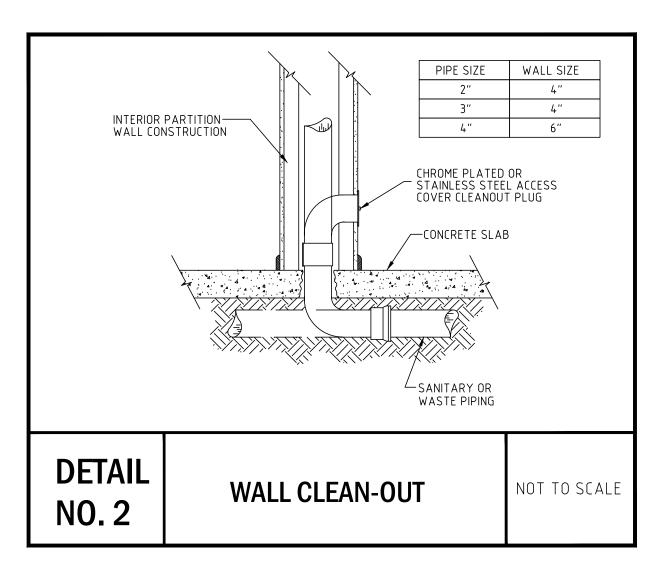
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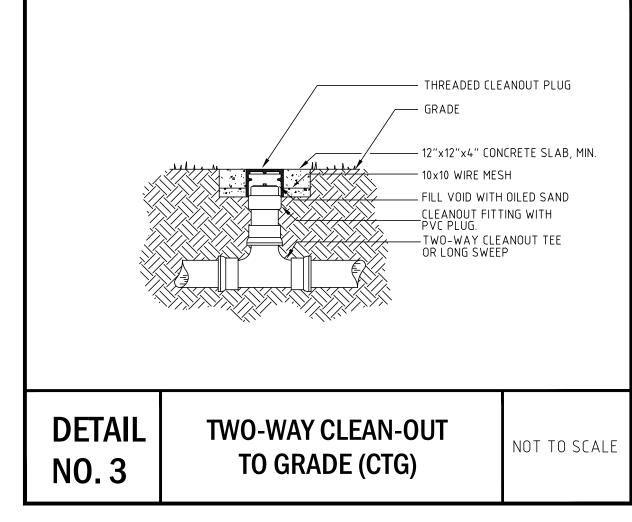
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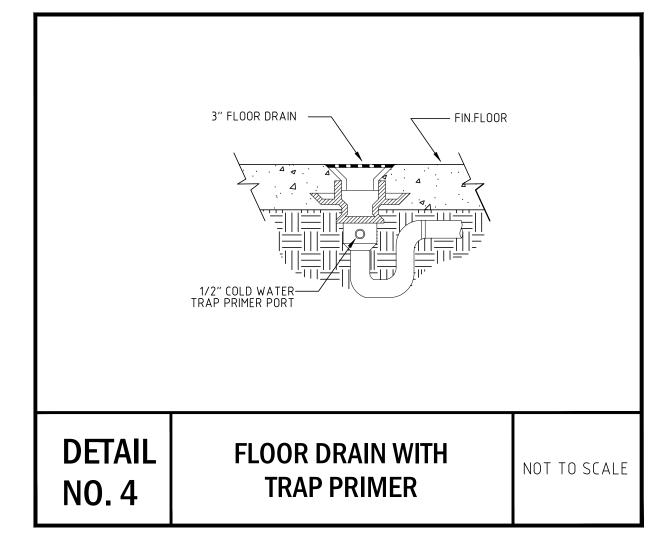
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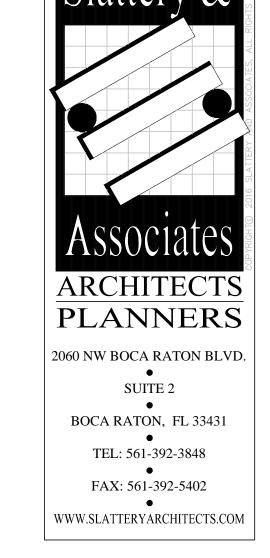
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PLUMBING SCHEDULES, LEGENDS, NOTES & INDEX

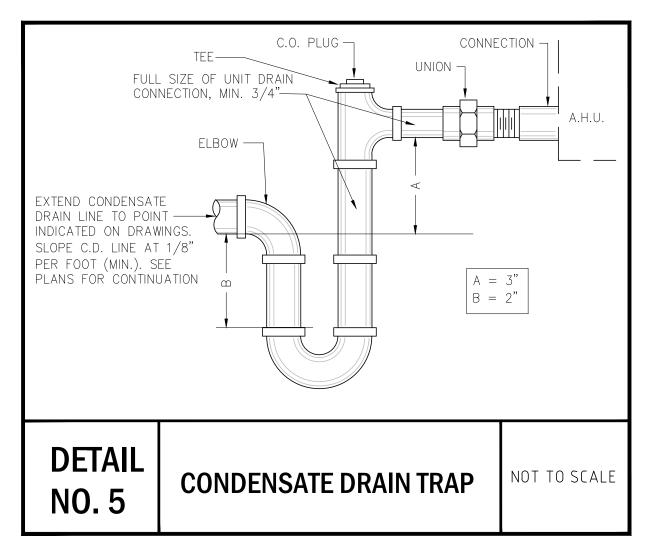


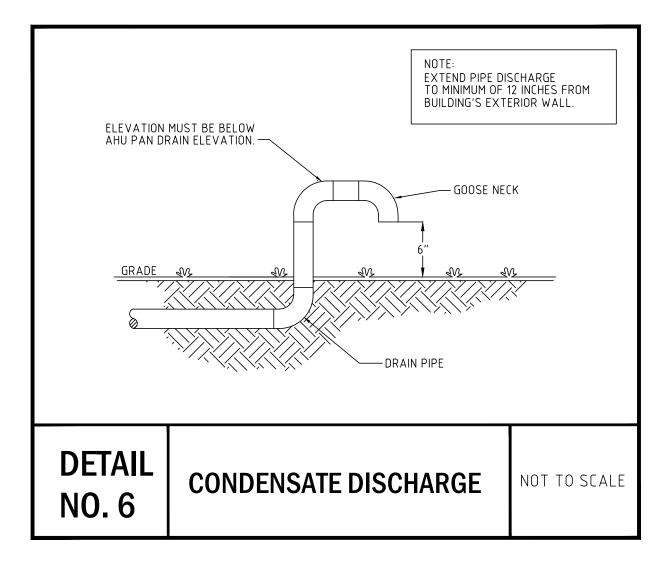


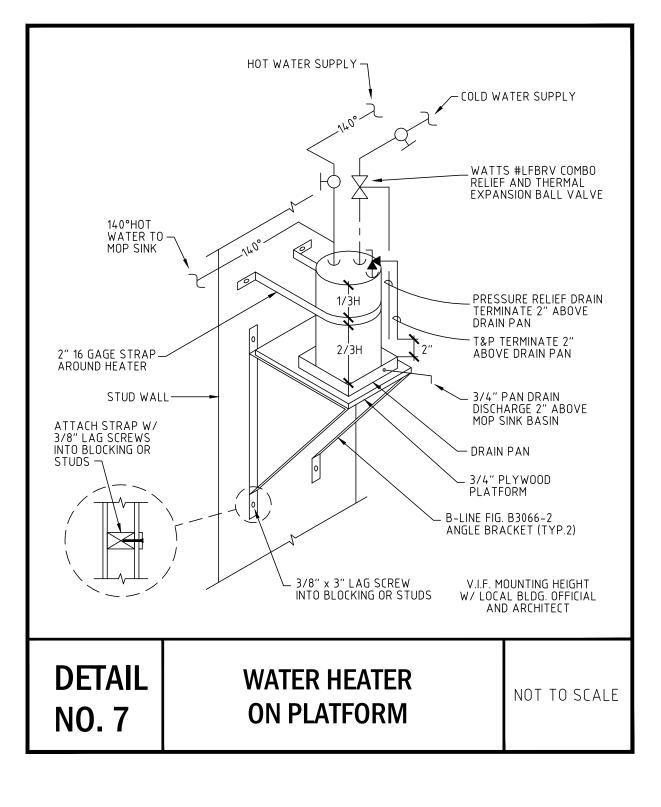


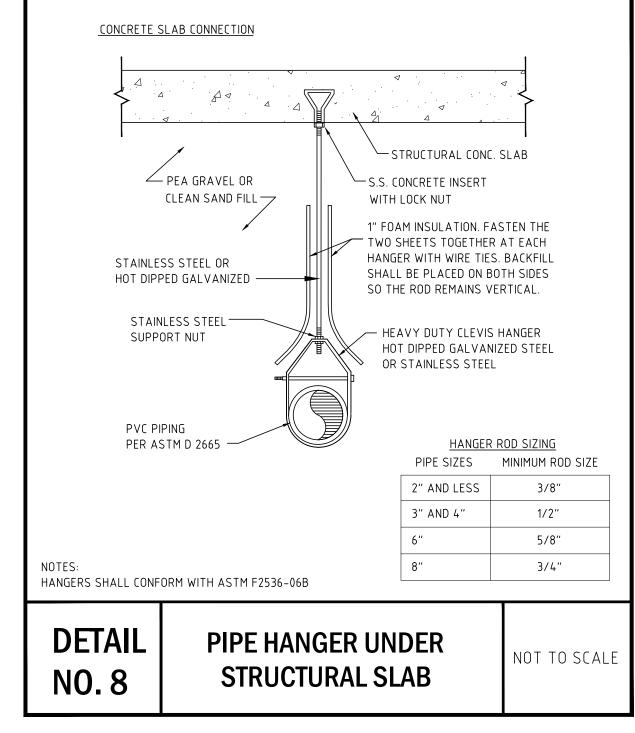


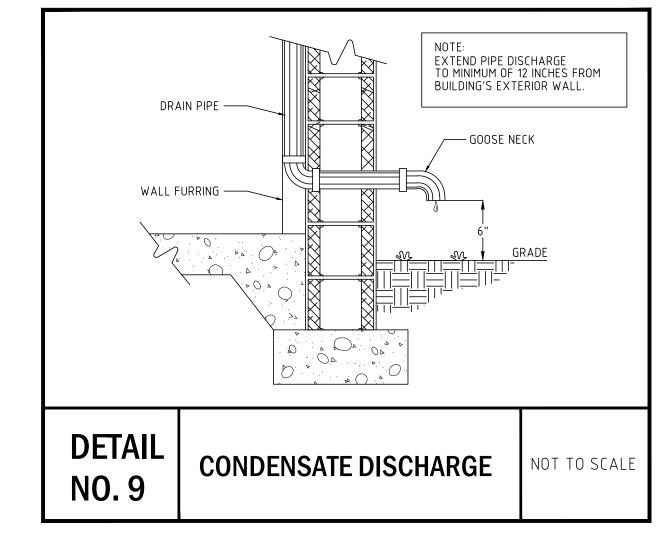
REVISIONS

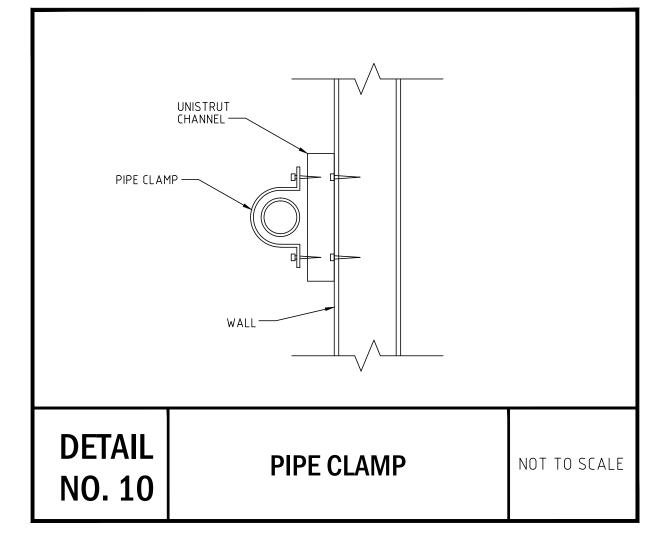










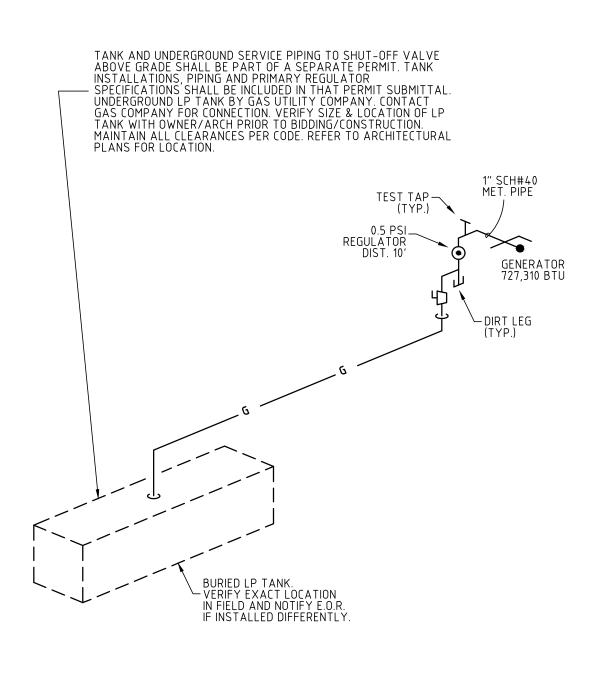




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DRAWN DB/FR/AB CHECKED UI/SR/DA/JB DATE 07-21-16 SCALE AS NOTED JOB NO. 16104 SHEET

PERMIT



GAS RISER

CONNECT NEW 2" WATER SERVICE TO L WATER METER AND BACKFLOW. VERIFY EXACT LOCATION, SIZE & CONNECTION POINT IN FIELD PRIOR TO CONSTRUCTION. SEE CIVIL DRAWINGS

CLUBHOUSE BUILDING

0.5 PSI PIPE SIZING PER F.B.C. 2014 FUEL GAS SIZING PER TABLE 402.4(28) TOTAL GAS CONSUMPTION BTUH GENERATOR 727,310

1) INSTALLATION OF ALL GAS PIPING SHALL BE PER F.B.C. FUEL GAS 2014 (GAS PIPING (STANDARD)

2) REFER TO RISER FOR PIPE MATERIALS

3) PRESSURE TEST GAS PIPING FOR LEAKS PRIOR TO CONNECTING GAS SUPPLY.

) PLEASE VERIFY MANUFACTURES REQUIREMENTS FOR BTU DEMAND, MINIMUM AND MAXIMUM GAS PRESSURE LIMITS AT EQUIPMENT. PRESSURE REGULATOR IF REQUIRED MUST BE APPROVED BY EQUIPMENT MANUFACTURE.

5) VERIFY LOCATION OF EQUIPMENT PRIOR TO INSTALLATION.

6) ALL CONDUITS ENCASING GAS PIPE BELOW SLAB SHALL BE VENTED MINIMUM 6" ABOVE GRADE AND SHALL BE INSTALLED SO AS TO PREVENT THE ENTRY OF WATER & INSECTS.

) GAS PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (14 GAUGE COPPER AGAVE WIRE) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE. USE FGG/BM COMPATIBLE DUCT TAPE AS NECESSARY TO HOLD WIRE DIRECTLY ON THE TOP OF THE PIPE.

8) PE PIPE INSTALLED BELOW HARD SURFACE MUST BE SLEEVED AND VENTED.

N.T.S.

### PLUMBING KEY NOTES

- (1) CONNECT NEW 3" SANITARY PIPE TO EXISTING SANITARY PIPE BELOW SLAB. VERIFY EXACT LOCATION, SIZE, INVERT, DIRECTION OF FLOW & CONNECTION POINT IN FIELD PRIOR TO CONSTRUCTION.
- (2) CONNECT NEW 2" SANITARY WASTE STACK VENT TO EXISTING SANITARY PIPE BELOW SLAB. VERIFY EXACT LOCATION, SIZE, INVERT, DIRECTION OF FLOW & CONNECTION POINT IN FIELD PRIOR TO CONSTRUCTION.
- (3) CONNECT NEW 2" VENT PIPE TO EXISTING VENT PIPE ABOVE CEILING. VERIFY EXACT LOCATION, SIZE & CONNECTION POINT IN FIELD PRIOR TO CONSTRUCTION.
- 4 CONNECT NEW 3/4" COLD WATER PIPE TO EXISTING COLD WATER PIPE, SERVICING THE EXISTING WATER HEATER IN THE STORAGE CLOSET. VERIFY EXACT LOCATION, SIZE & CONNECTION POINT IN FIELD PRIOR TO CONSTRUCTION.

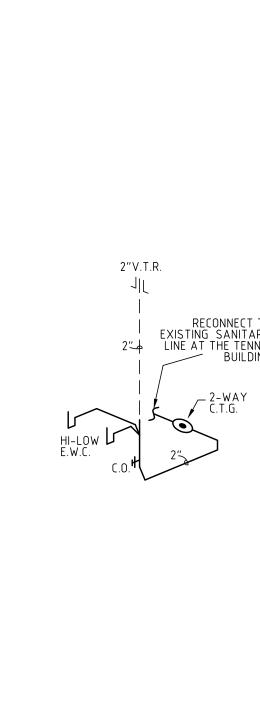


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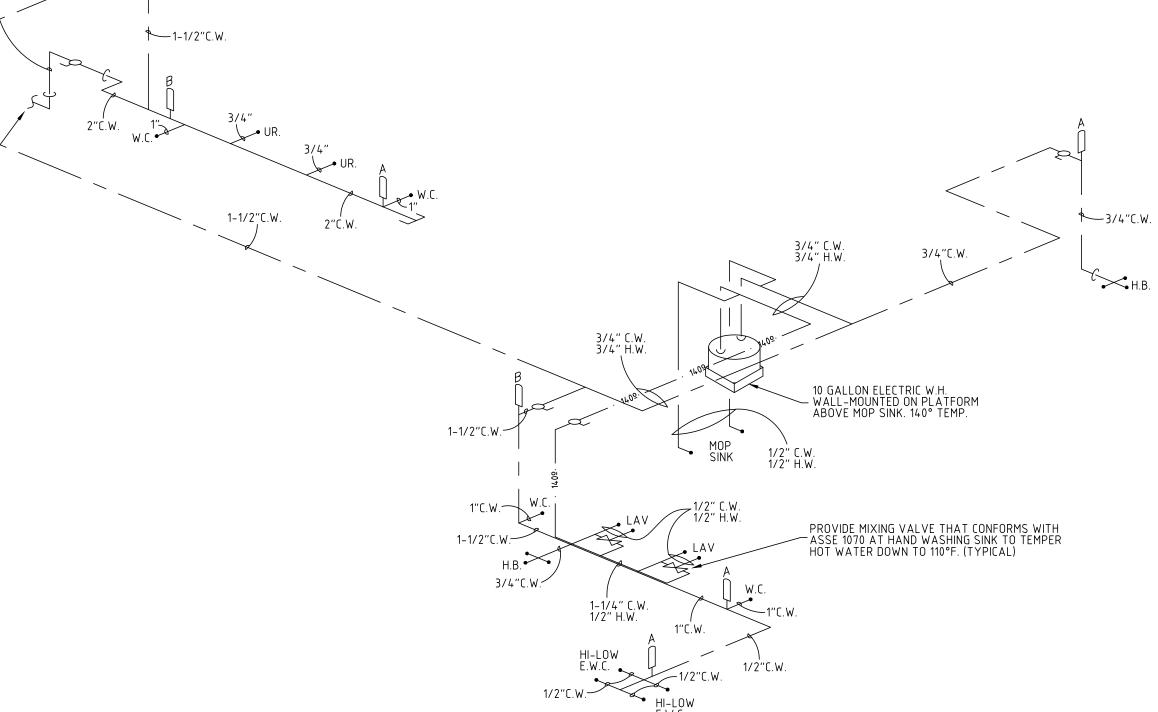
WOODFIEI



SANITARY RISER

CLUBHOUSE BUILDING

2"V.T.R.



WATER HAMMER ARRESTOR SCHEDULE .D.I. DESIGNATION MANUF. & MODEL FIXTURE UNITS CONNECTION 1/2" SIOUX CHIEF 652-A SIOUX CHIEF 653-B 3/4" 12-32 SIOUX CHIEF 654-C SIOUX CHIEF SHOCK ARRESTORS APPROVED FOR INSTALLATION WITH NO ACCESS DOOR REQUIRED. CONFORMS TO ANSI/ASSE 1010 STANDARDS.

EXISTING SANITARY TO SEWER.

CONNECT 3" SANITARY PIPE TO EXISTING SANITARY PIPE BELOW—GRADE. VERIFY EXACT LOCATION, SIZE, INVERT, DIRECTION OF FLOW AND CONNECTION POINT IN FIELD PRIOR TO CONSTRUCTION.

SEE CIVIL DRAWINGS

**PERMIT SET: 07/21/16** 

PROVIDE 1/2"C.W. TRAP PRIMER FOR FLOOR DRAINS.

N.T.S.



700 WEST HILLSBORO BLVD. - BLDG. #1, SUITE 204 DEERFIELD BEACH, FLORIDA 33441 TEL: (561) 391-9292 FAX: (561) 391-9898 CERTIFICATE OF AUTHORIZATION NO. 28107 URSULA IAFRATE, P.E. LICENSE #73122 STEPHEN F. ROLLIN, P.E. LICENSE #36428 DONALD H. AUSTIN, JR., PE LICENSE #60651 JASON BARBER, P.E. LICENSE #73050

UI/SR/DA/JB DATE 07-21-16 SCALE AS NOTED JOB NO. 16104 SHEET

DB/FR/AB CHECKED

WATER RISER

CLUBHOUSE BUILDING

N.T.S.

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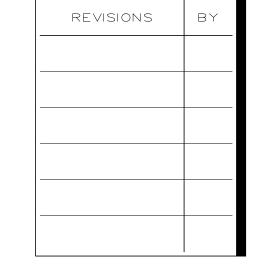
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E-MAIL: INFO@FAECONSULTING.COM DESIGNED BY: DB/FR/AB PM: KS P/N: 16104

PERMIT

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**PLANNERS** 2060 NW BOCA RATON BLVD.

SUITE 2 BOCA RATON, FL 33431 TEL: 561-392-3848 FAX: 561-392-5402 •

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PLUMBING FOUNDATION PLAN SCALE: 3/16" = 1'-0" TENNIS BLDG. NEW OFFICE

TENNIS OFFICE

3/4" COND. DN. -

EXIST. TENNIS EQUIP. CLOS.

**PERMIT SET: 07/21/16** 



700 WEST HILLSBORO BLVD. - BLDG. #1, SUITE 204 DEERFIELD BEACH, FLORIDA 33441 TEL: (561) 391-9292 FAX: (561) 391-9898 CERTIFICATE OF AUTHORIZATION NO. 28107 URSULA IAFRATE, P.E. LICENSE #73122 STEPHEN F. ROLLIN, P.E. LICENSE #36428 DONALD H. AUSTIN, JR., PE LICENSE #60651 JASON BARBER, P.E. LICENSE #73050 E-MAIL: INFO@FAECONSULTING.COM DESIGNED BY: DB/FR/AB PM: KS P/N: 16104

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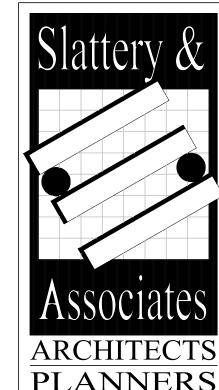
NEW TENNIS OFFICE

202

.1/2" C.W. CLAMP TO WALL ABOVE SLAB.

EXIST. TENNIS EQUIP. CLOS.

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PLUMBING PLAN SCALE: 3/16" = 1'-0"

**PERMIT SET: 07/21/16** 



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LOCATION MAP

ADJACENT PROPERTY SINGLE FAMILY RESIDENCE ZONING R1D COMPLAN RL

**ARCHITECTS** 

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PS1.1

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## Vood Field Hunt Glub Clubhouse Renovation SOB LOCATION BOCA RATION, FL 2016

INTERIOR DESIGN FIRM:

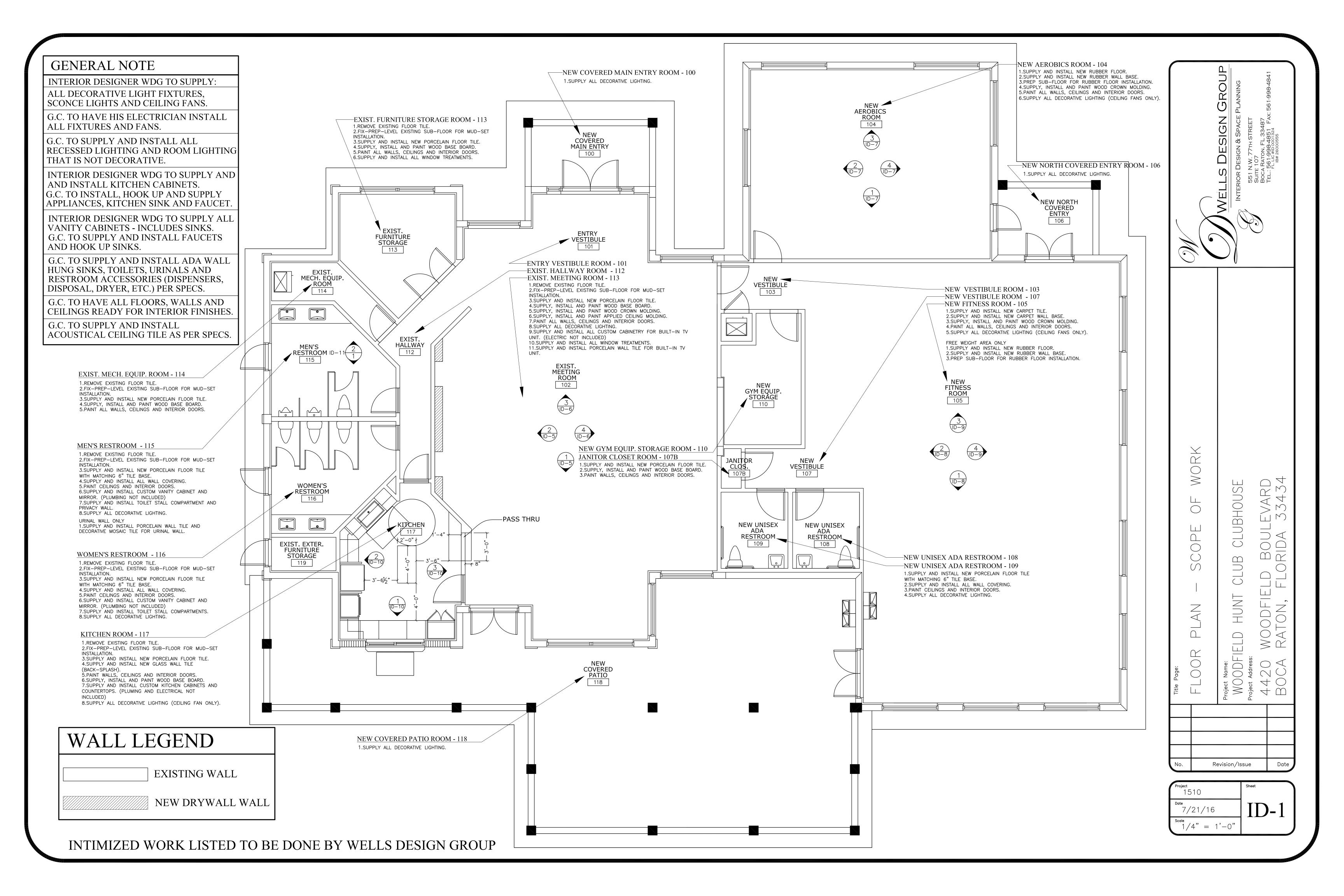


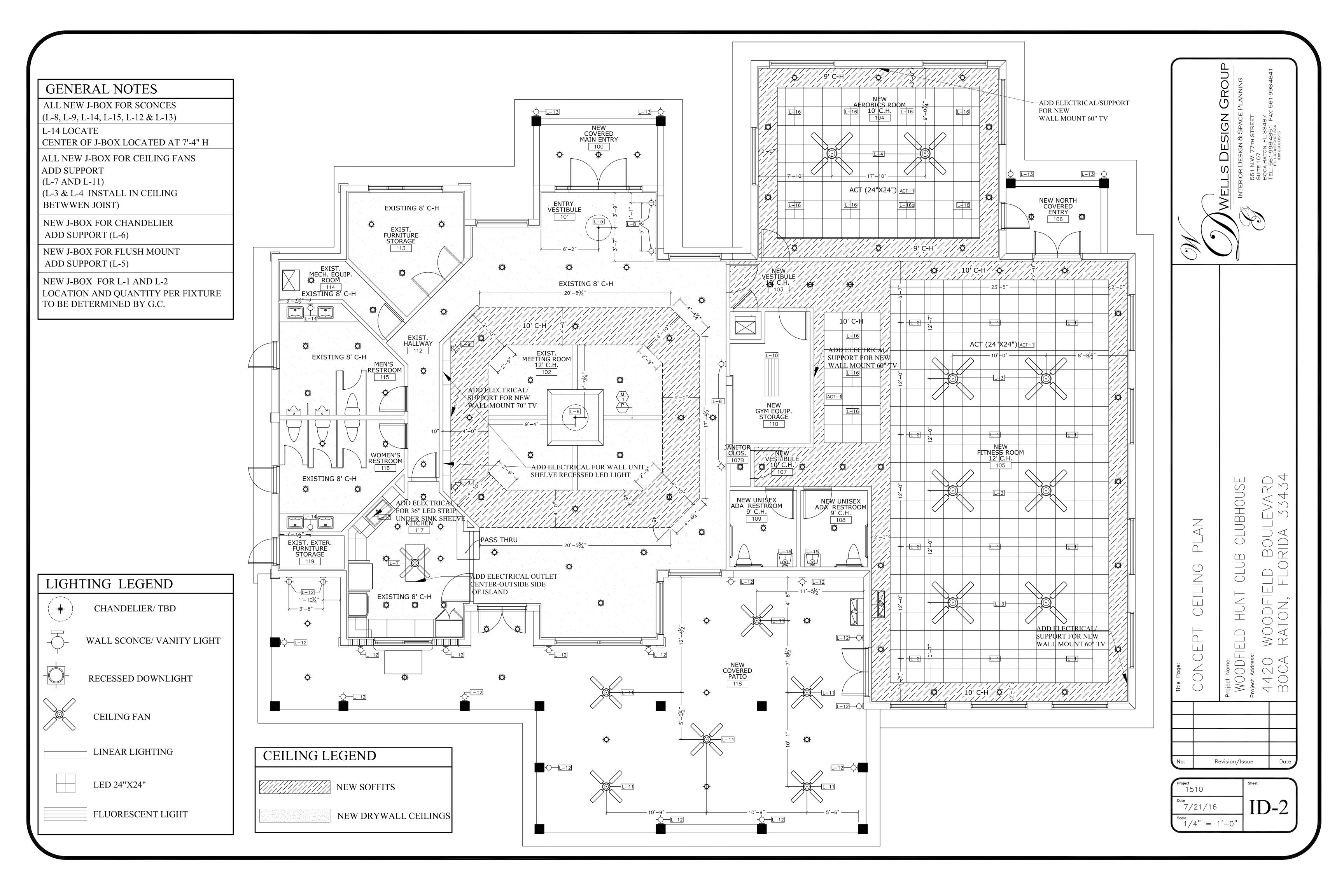
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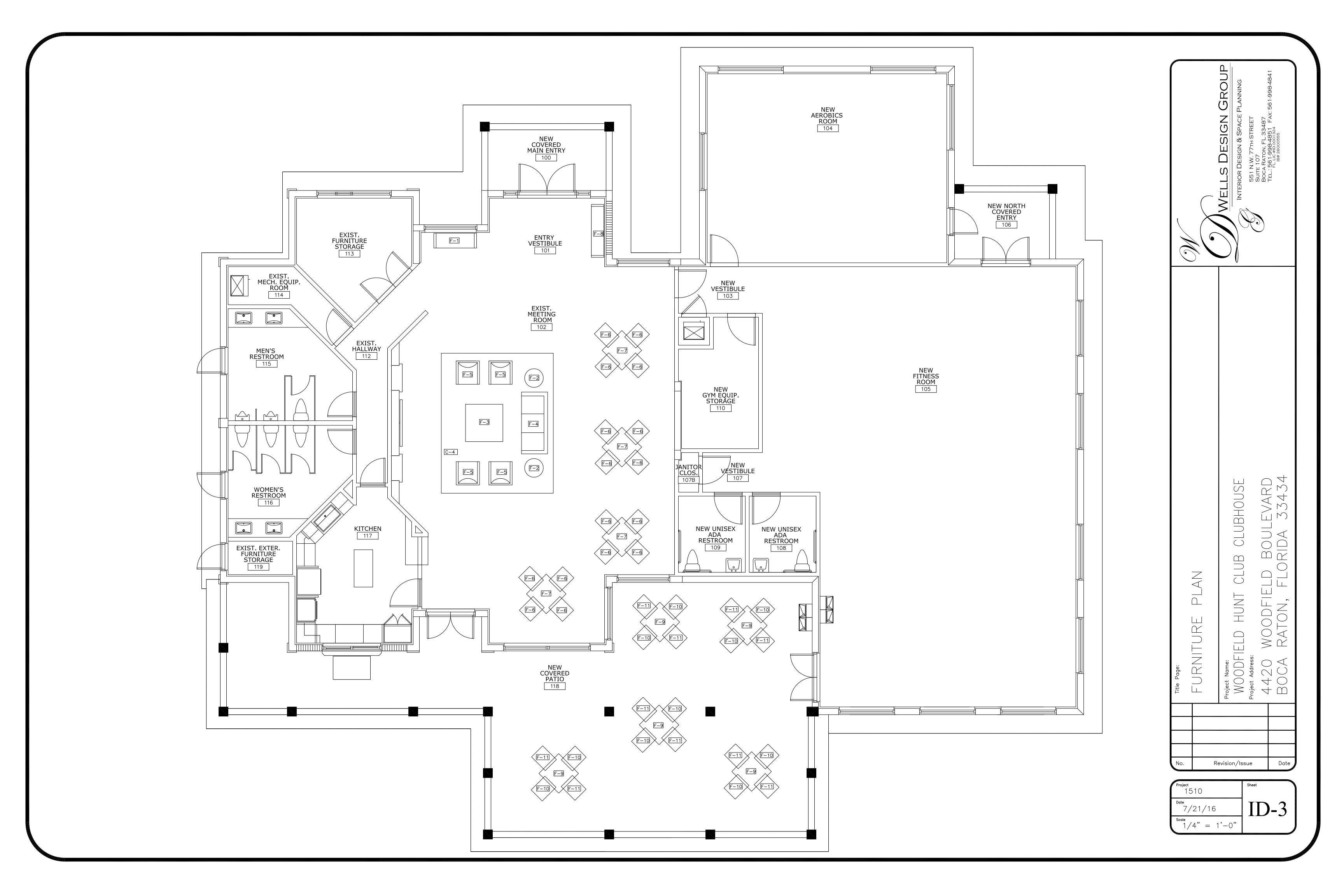
551 N.W. 77TH STREET SUITE 107 BOCA RATON, FL 33487 TEL.: 561-998-4851 FAX: 561-998-4841 FL. LIC #ID 0001324 IB# 26000555

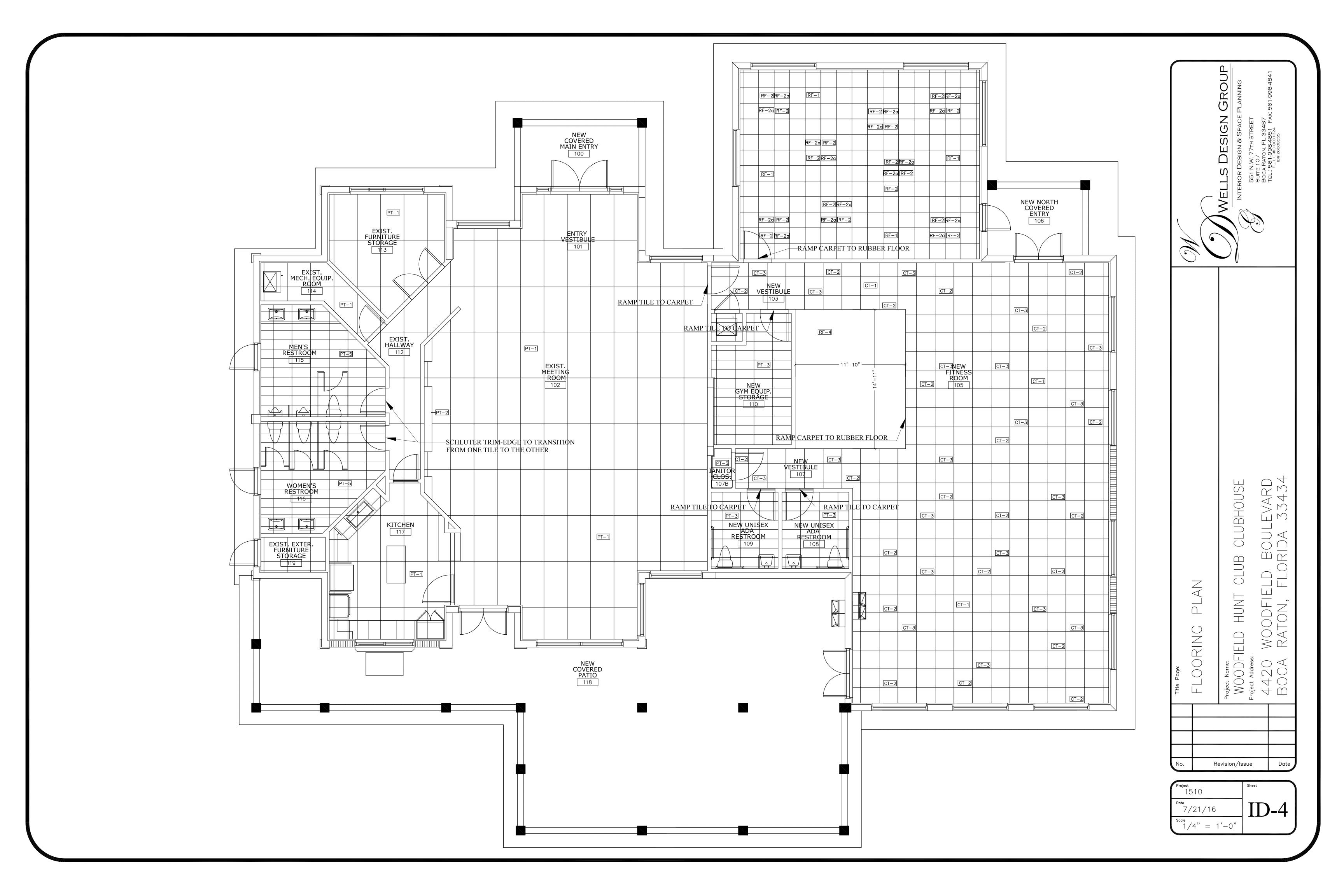
JULY 21 2016

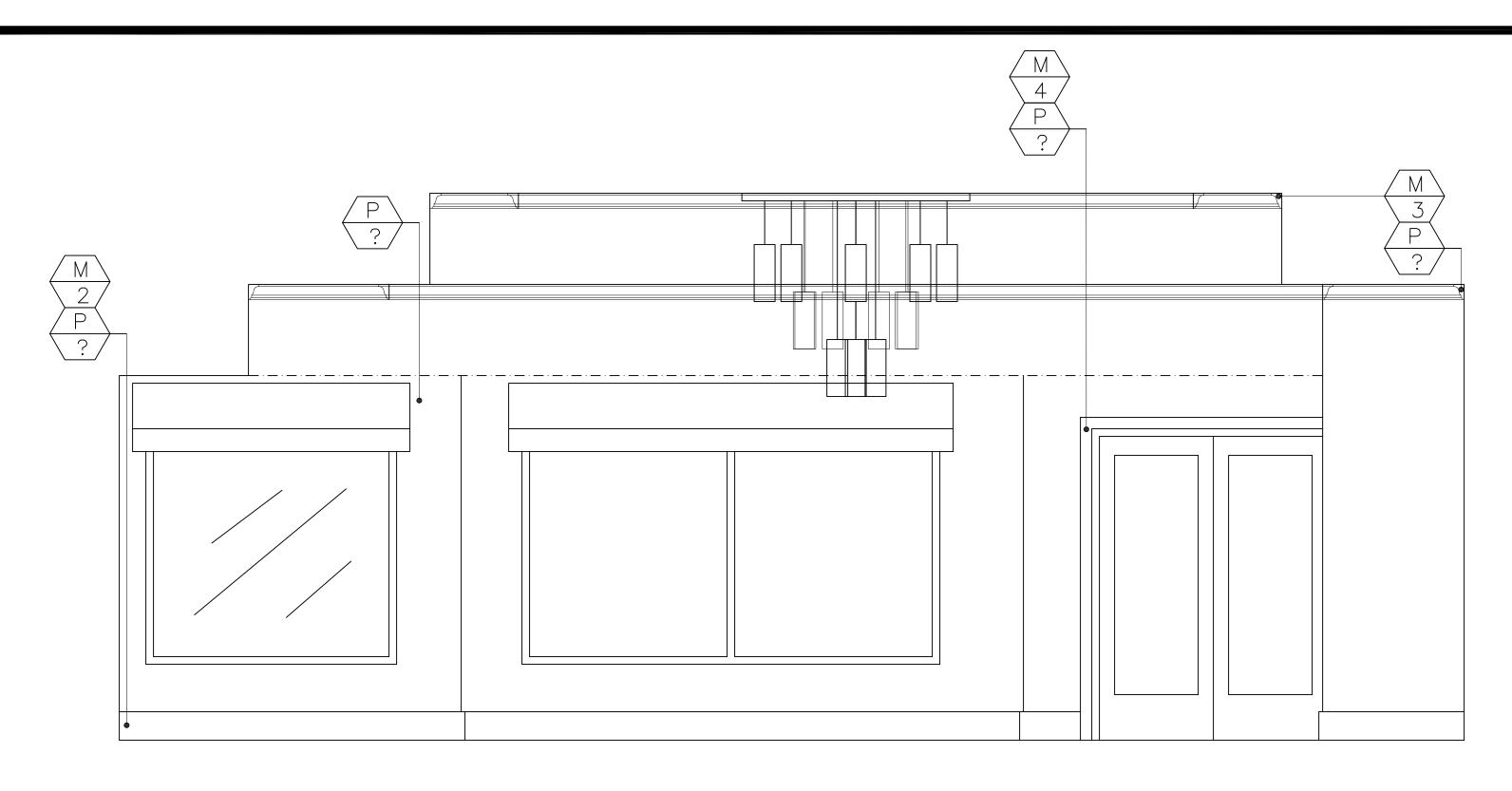
IND	EX		
	COVER/INDEX PAGE	ID-9	FITNESS ROOM ELEVATIONS 3 & 4
ID-1	FLOOR PLAN — SCOPE OF WORK	ID-10	KITCHEN ELEVATIONS
ID-2	REFLECTED CEILING PLAN	ID-11	MEN'S & WOMEN'S RESTROOM ELEVATIONS AND BUILT—IN WALL UNIT ELEVATIONS
ID-3	FURNITURE PLAN	ID-12	INTERIOR FINISH SCHEDULE
ID-4	FLOORING PLAN	ID-13	INTERIOR SPECIFICATIONS
ID-5	MEETING ROOM ELEVATIONS 1 & 2	ID-	
ID-6	MEETING ROOM ELEVATIONS 3 & 4	ID-	
ID-7	AEROBICS ROOM ELEVATIONS	ID-	
ID-8	FITNESS ROOM ELEVATIONS 1 & 2		



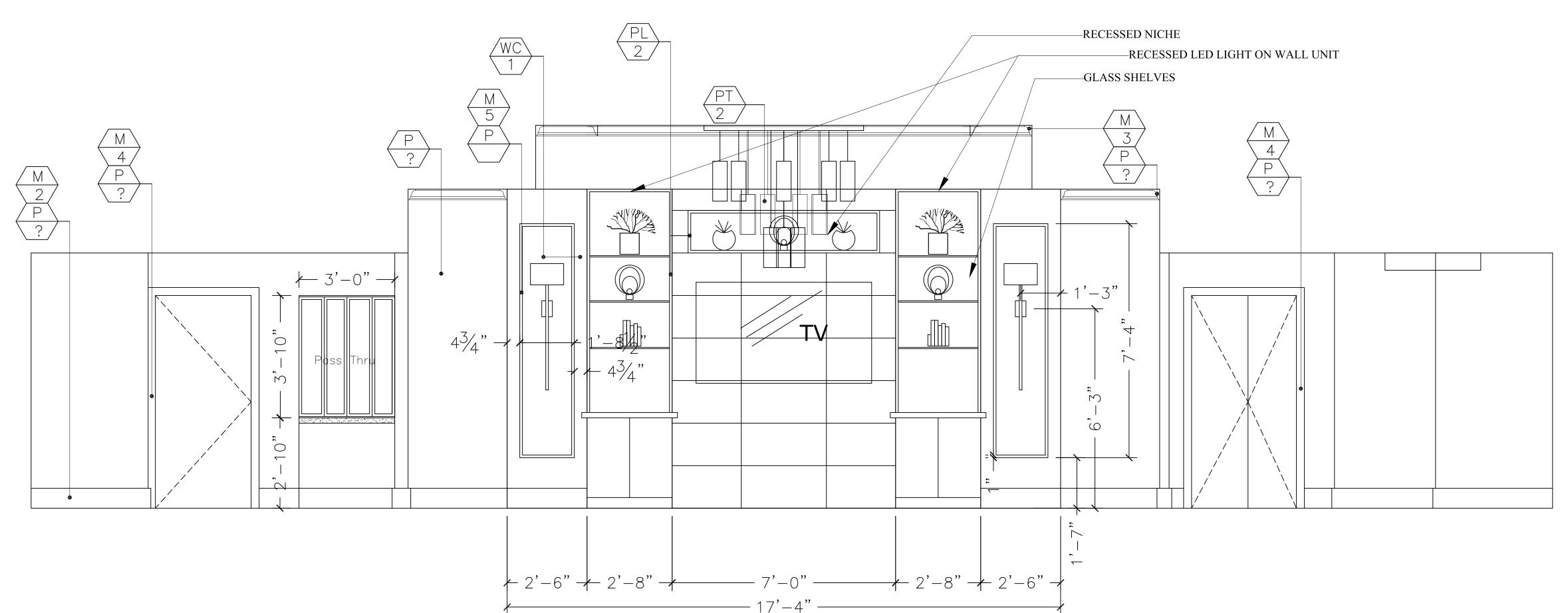








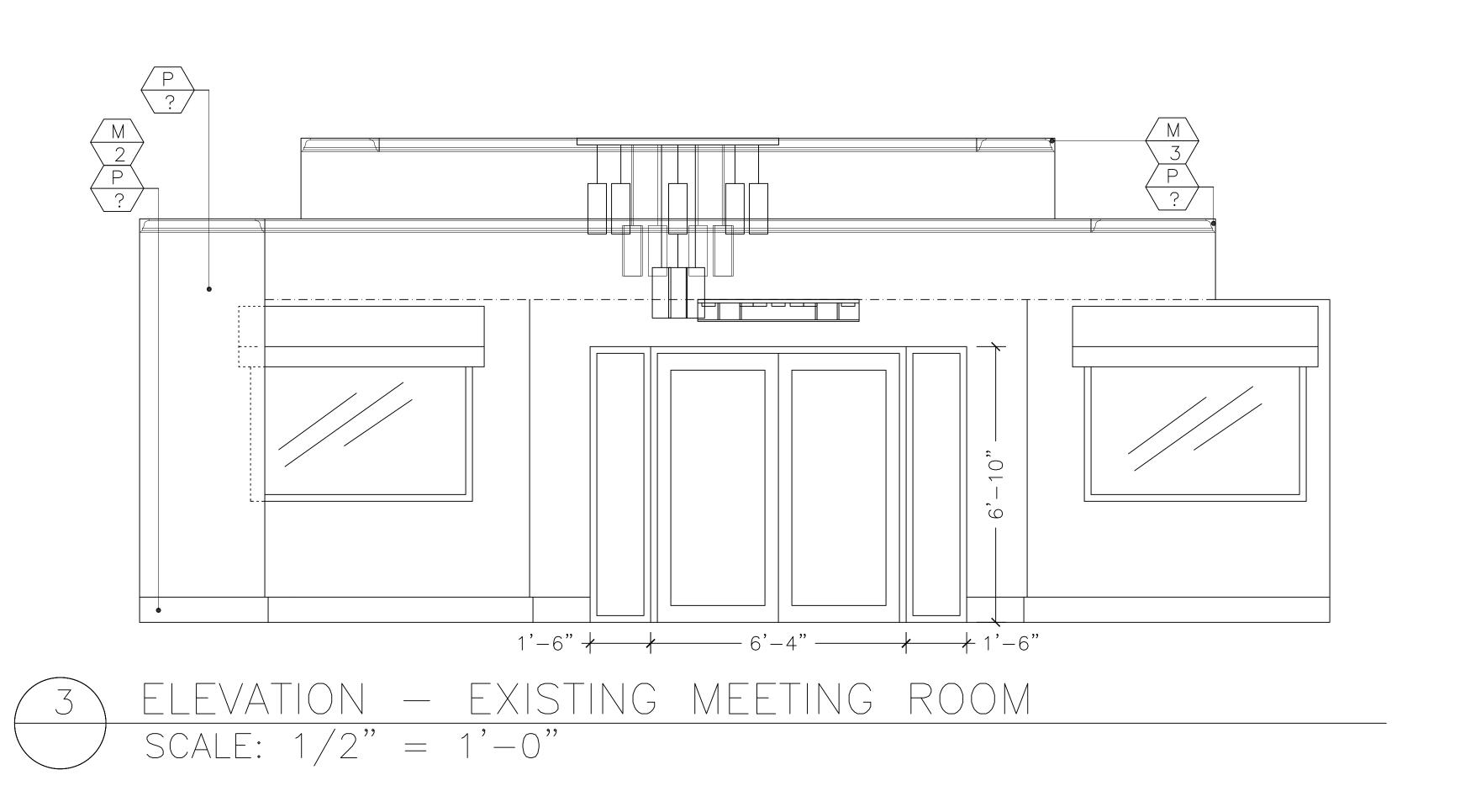
1 ELEVATION - EXISTING MEETING ROOM SCALE: 1/2" = 1'-0"

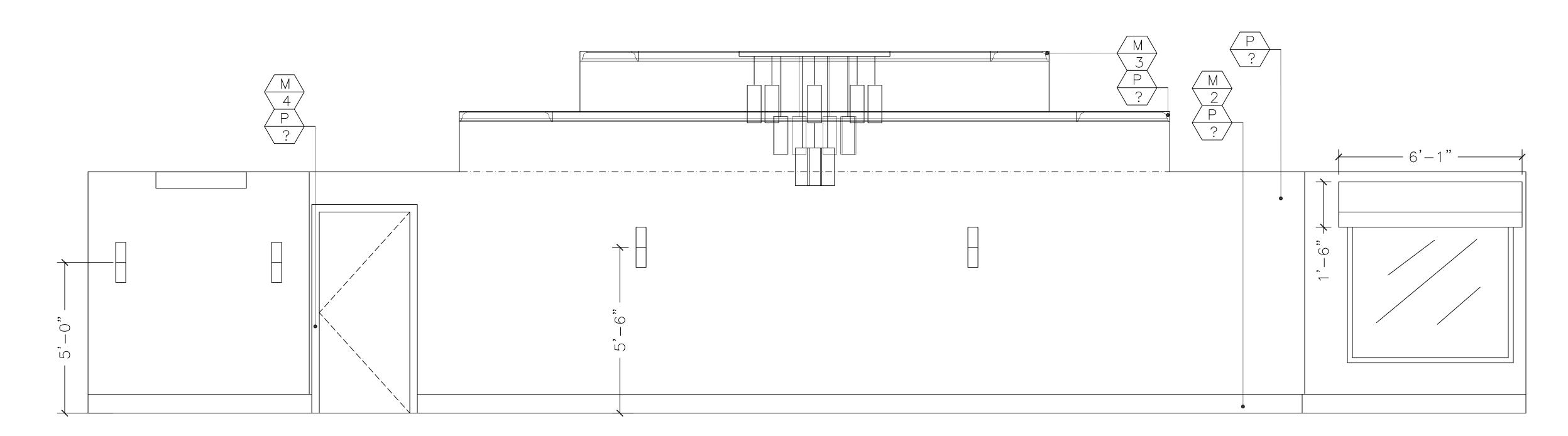


		WELLS DESIGN GROUP	INTERIOR DESIGN & SPACE PLANNING	551 N.W. 77TH STREET	BOCA RATON, FL 33487	TEL.: 561-998-4851 FAX: 561-998-4841 FL. LIC #ID 0001324 IB# 26000555
Title Page:	MEETING ROOM ELEVATIONS 1 & 2	Project Name:				BOCA RATON, FLORIDA 33434
No.	Revisio	on/Iss			Dat	е
Project <i>∐</i>	1510			Sheet		

Date 7/21/2016

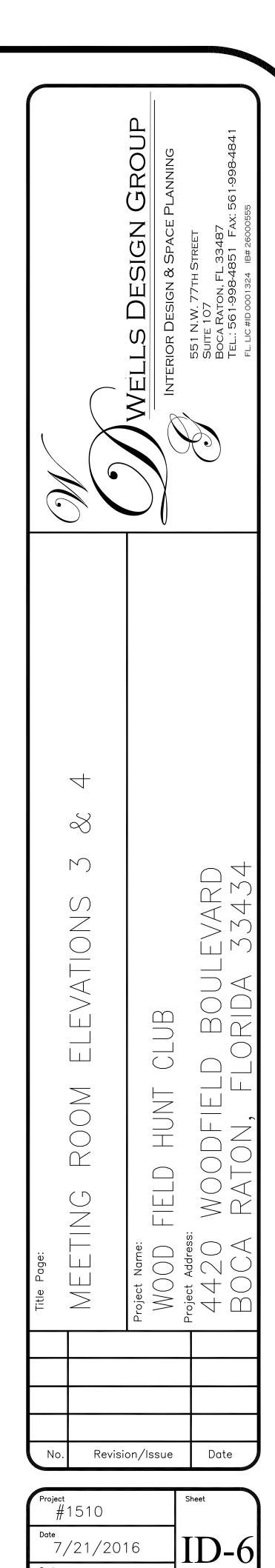
ID-5



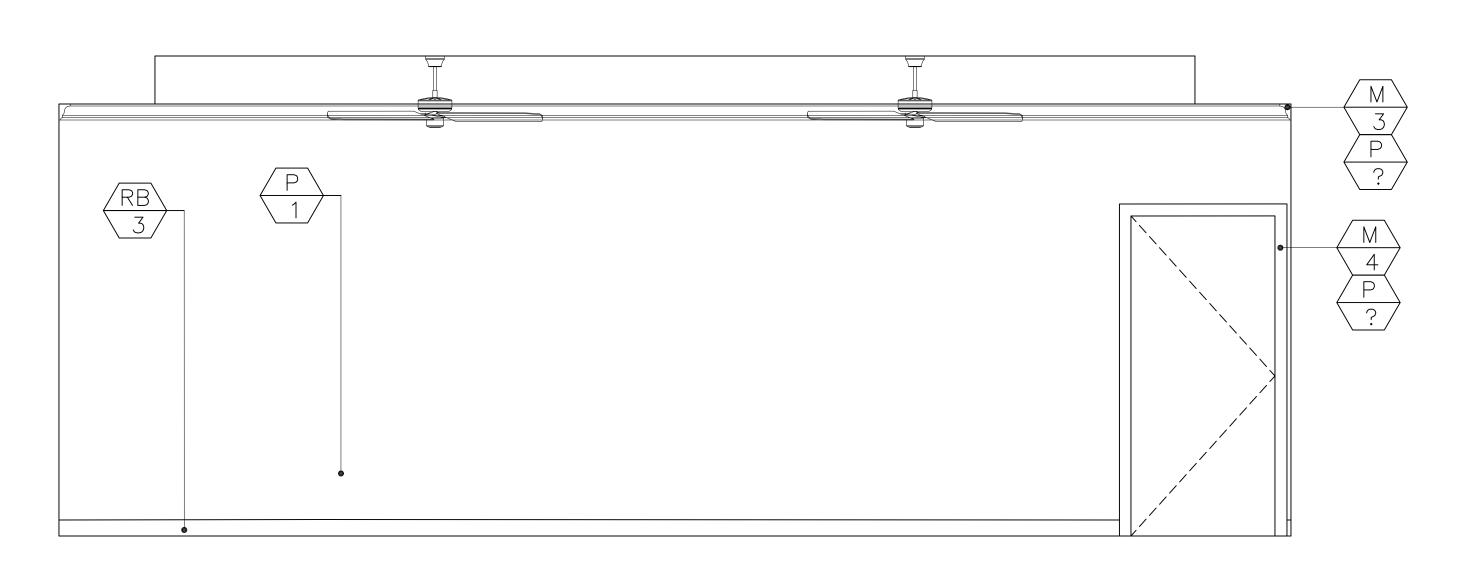


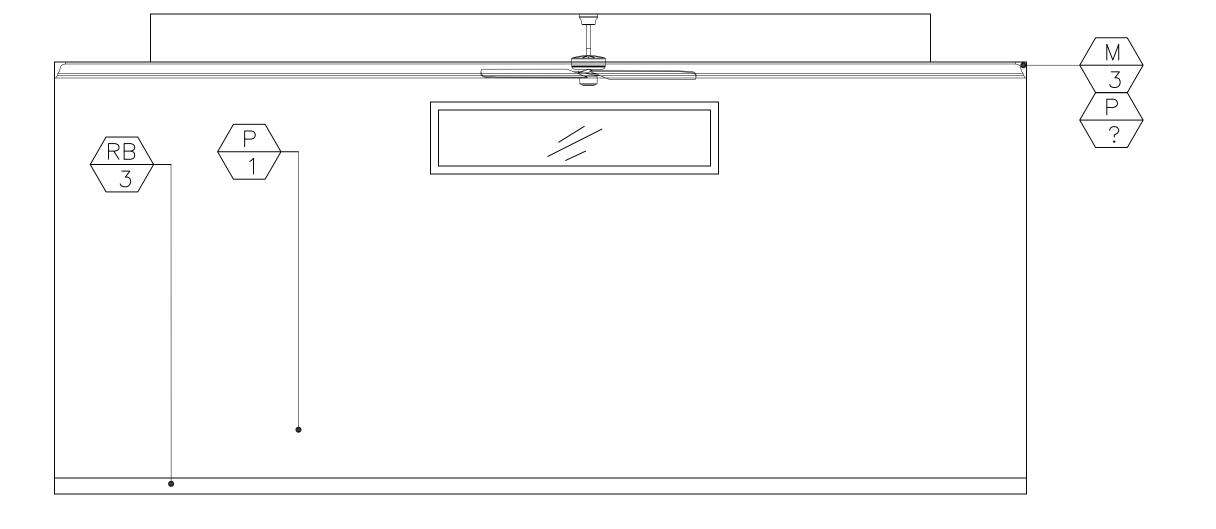
ELEVATION — EXISTING MEETING ROOM

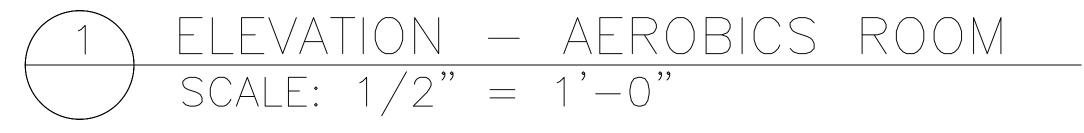
SCALE: 1/2" = 1'-0"



1/2" = 1'-0"

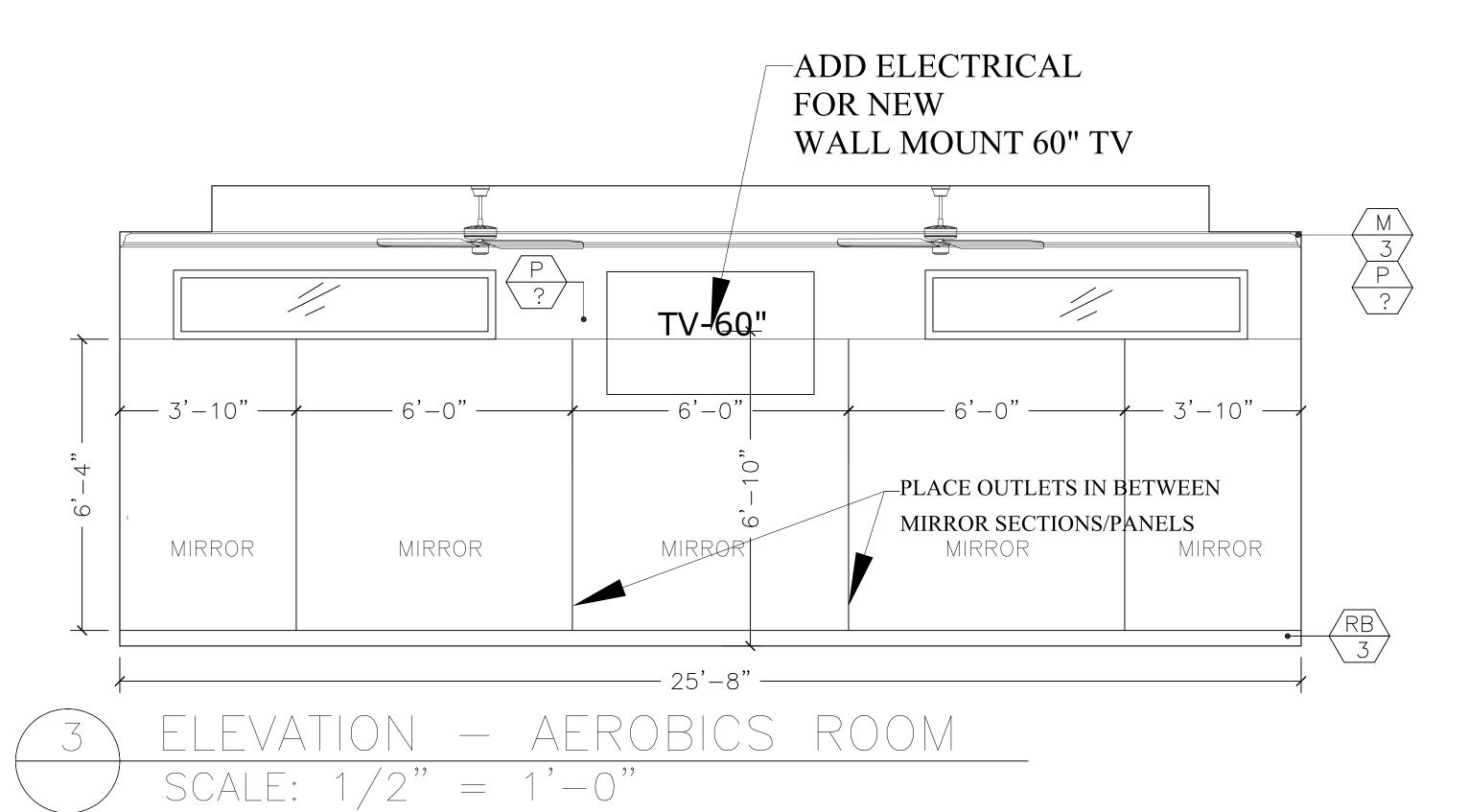


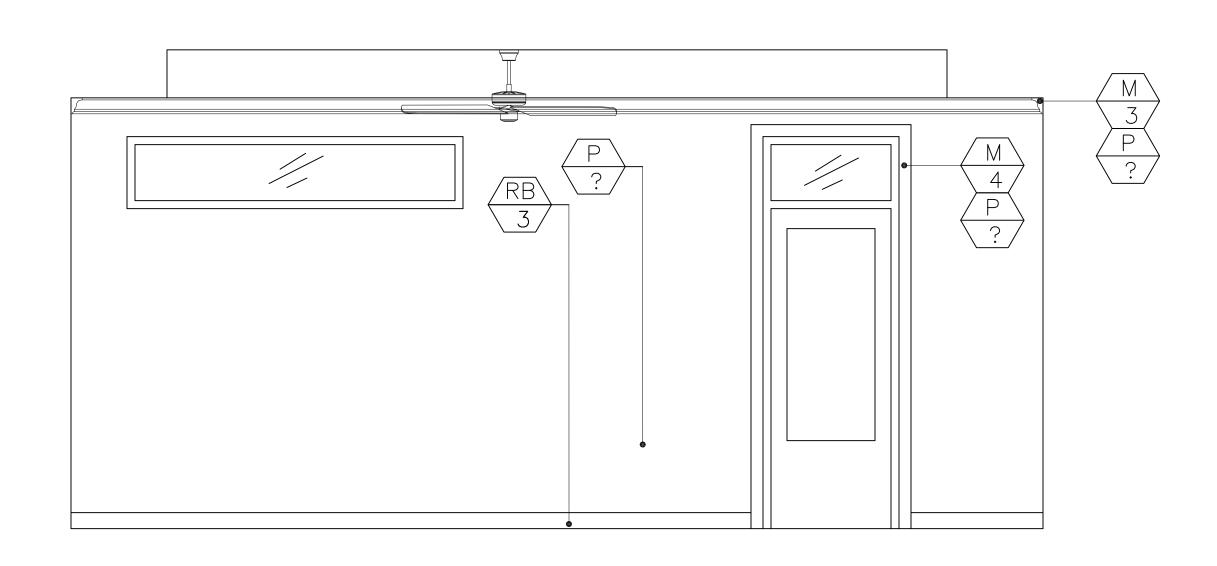




ELEVATION — AEROBICS ROOM

SCALE: 1/2" = 1'-0"



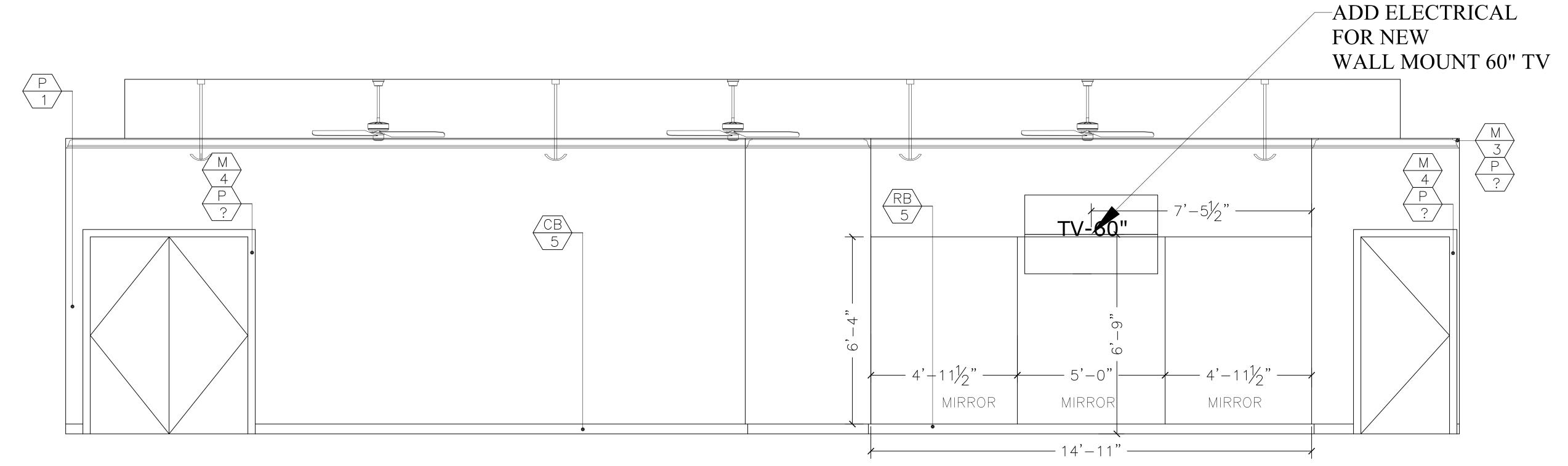


litle Page:	
AEROBICS ROOM ELEVATIONS	
Project Name:         W()()()         F F  ()         H()NT () ()         B	WELLS DESIGN GROUP
Project Address:  4420 WOODFIELD BOULEVARD	551 N.W. 77TH STREET SUITE 107 BOCA RATON FI 33487
RATON, FLORIDA 3	TEL.: 561-998-4851 FAX: 561-998-4841 FL. LIC #ID 0001324 IB# 26000555

Project #1510	Sheet
Date 7/21/2016	ID-7
1/2" = 1'-0"	<i>'</i>



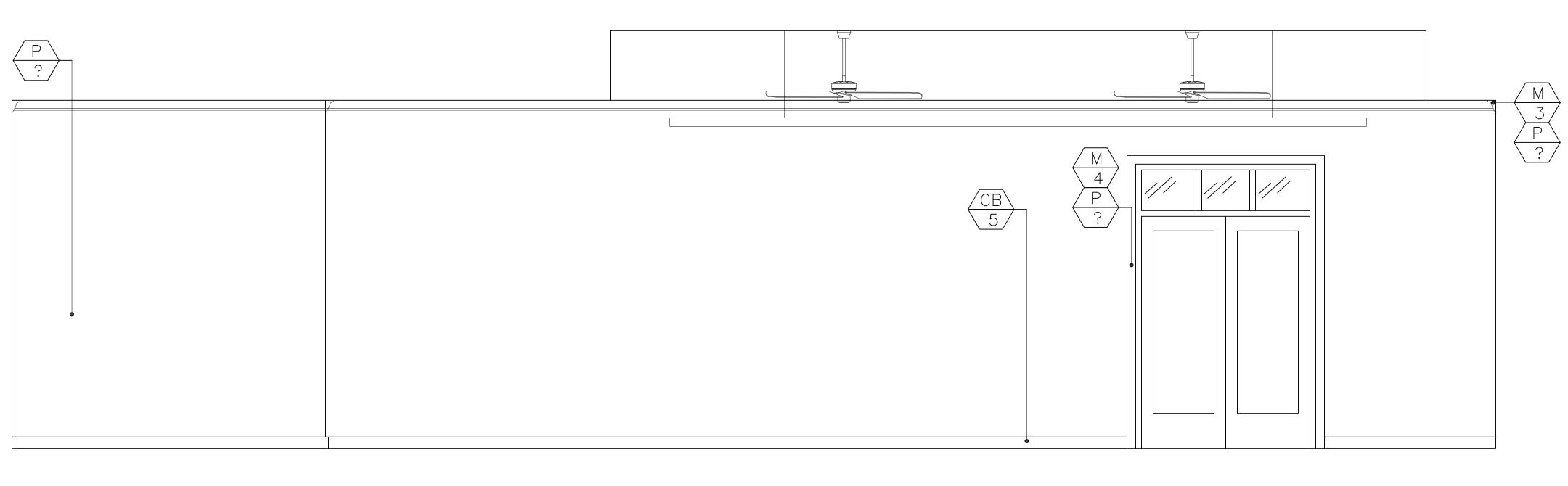




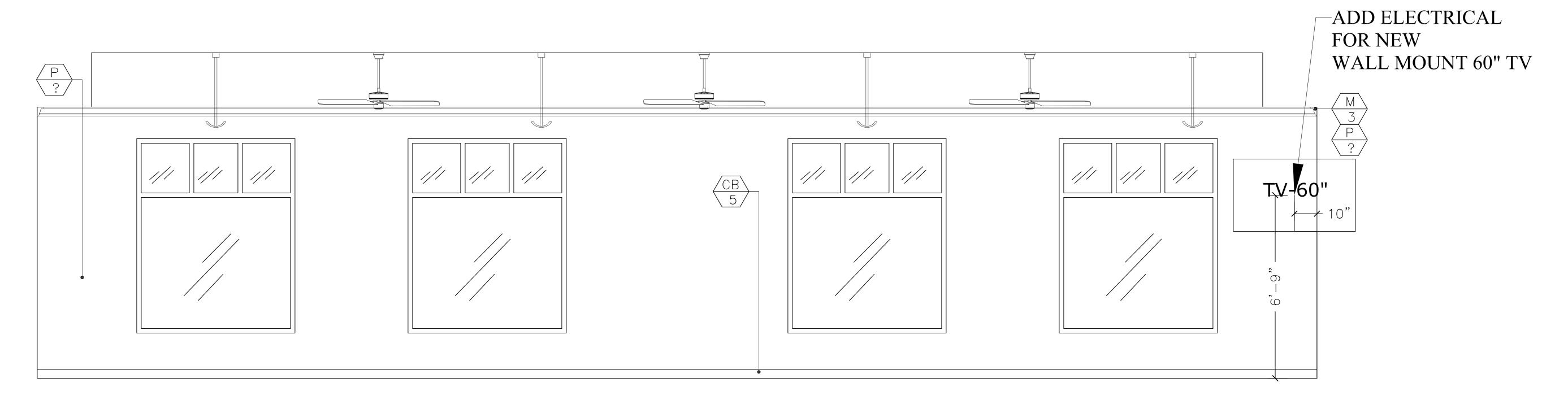
2 ELEVATION — FITNESS ROOM SCALE: 1/2" = 1'-0"

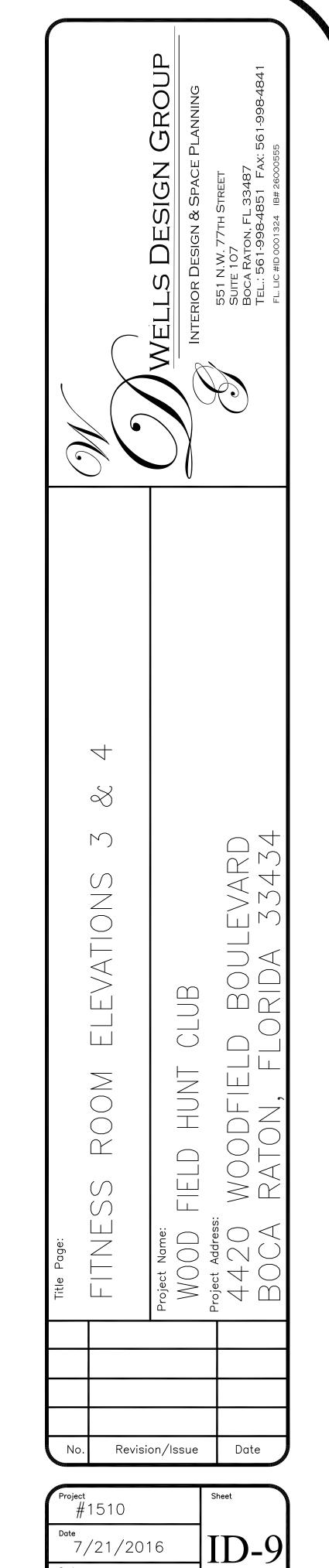
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	FITNESS ROOM ELEVATIONS 1 & 2	
	Project Name:  WOOD FIELD HUNT CLUB	WELLS DESIGN GROUP INTERIOR DESIGN & SPACE PLANNING
	Project Address:  4420 WOODFIELD BOULEVARD  ROCA RATON FLORIDA 33434	551 N.W. 77TH STREET SUITE 107 BOCA RATON, FL 33487 TEL.: 561-998-4851 FAX: 561-998-4841

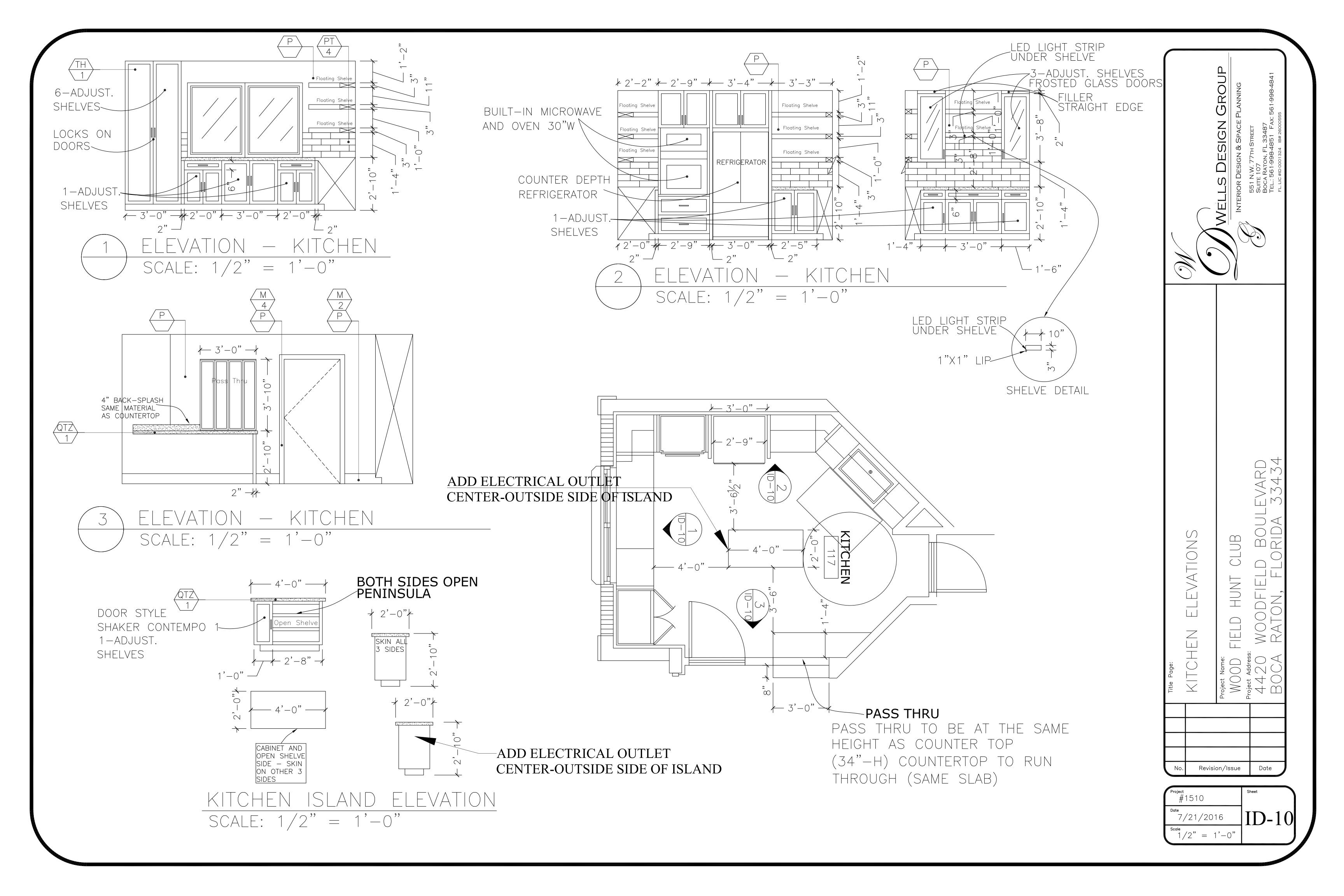
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Project #1510	Sheet
7/21/2016	ID-8
Scale $1/2" = 1'-0"$	]

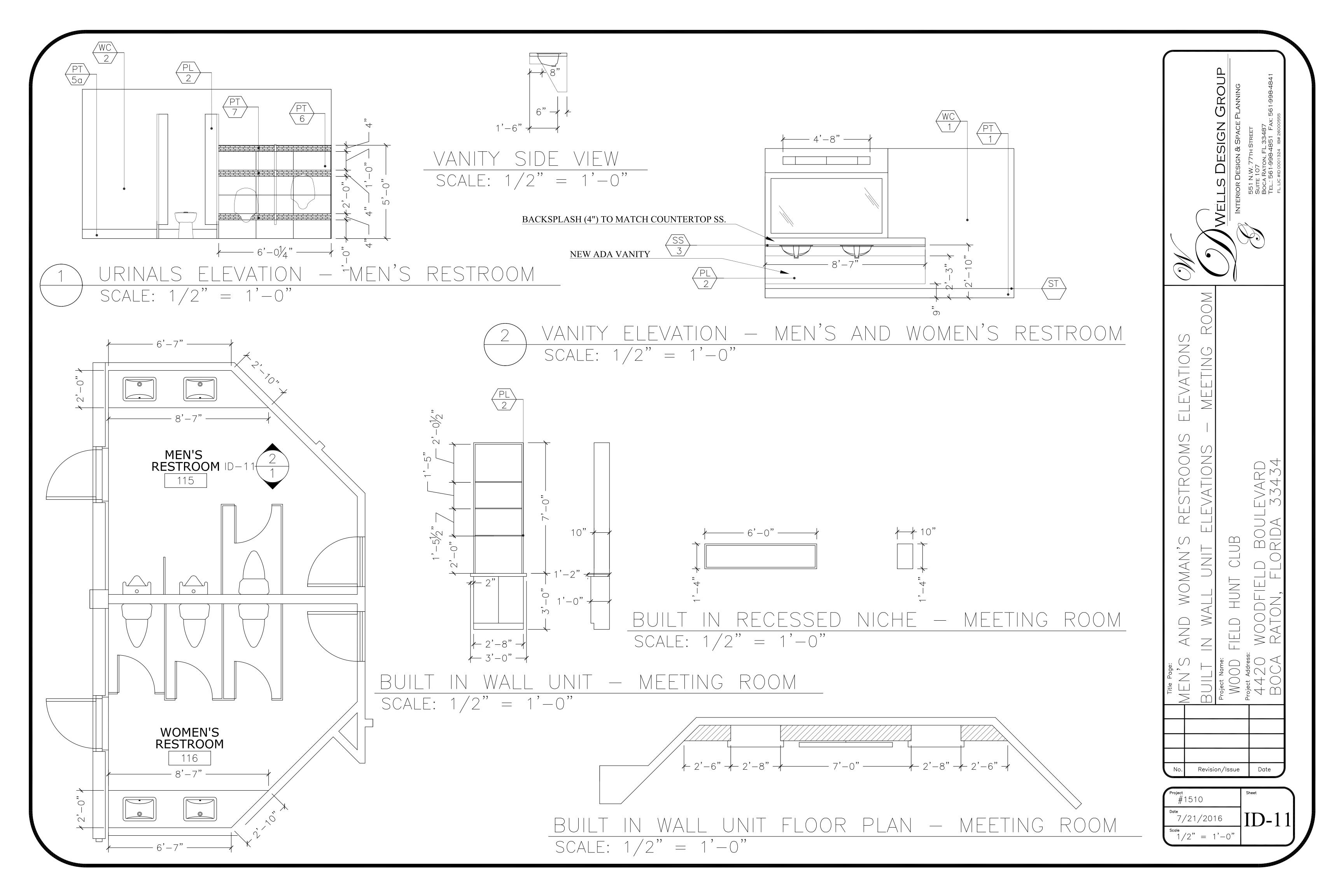






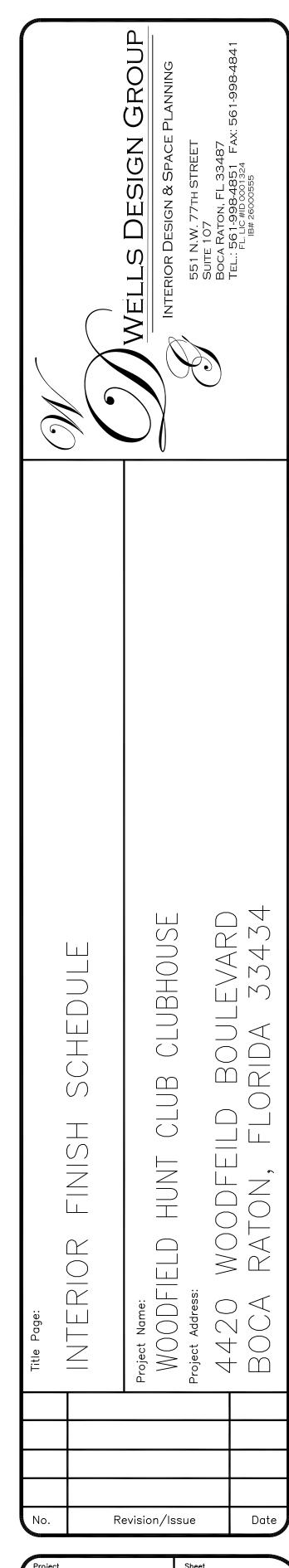






Γ	
	LEGEND
ACT	ACOUSTICAL CEILING TILE
C	CARPET
СВ	CARPET WALL BASE
PT	PORCELAIN TILE
M	WOOD MOLDING
P	PAINT
PL	PLASTIC LAMINATE
TH	THERMOFOIL
WC	WALLCOVERING
RF	RUBBER FLOORING
RB	RUBBER WALL BASE
QTZ	QTZ SURFACE
SS	SOLID SURFACE

						INT	ERIO	R F	INIS	3 H S	S C H	EDU	LE		
ROOM	ROOM NAME		FLOOR			WALLS		CEILI	NG	D	DORS	MLDGS	PLASTIC	LAMINATE	REMARKS
NUMBER		FIELD	ACCENT	BASE	BASIC	ACCENT	BORDER	ACT	GYP	DOORS	FRAMES		BASIC	ACCENT	
101	ENTRY VESTIBULE	PT-1	/	M-2/P-1	P-	/	/	/	P-3	/	/	/	/	/	GRT-1
102	EXIST. MEETING ROOM	PT-1	C-4	M-2/P-1	PT-2	/	/	/	P-3	P-2	M-4/P-1	M-5/P-1	PL-2	/	GRT-1
					P-	WC-	/					M-1&3/P-1			
					/	/	/								
103	NEW VESTIBULE (FITNESS ROOM)	CT-1	CT-2/CT-3	CB-5	P-	/	/	/	P-3	P-2	M-4/P-1	/	/	/	
104	AEROBICS ROOM	RF-1	RB-2/RF-3	RB-3	P-	/	/	ACT-1	P-3	P-2	M-4/P-1	M-3/P-1	/	/	
105	NEW FITNESS ROOM	CT-1	CT-2/CT-3	CB-5	P-	/	/	ACT-1	P-3	P-2	M-4/P-1	M-3/P-1	/	/	
	FREE WEIGHT AREA	RF-4	/	RB-5	/	/	/	/	/	/	/	/	/	/	
107	NEW VESTIBULE FITNES ROOM	CT-1	CT-2/CT-3	CB-5	P-	/	/	/	P-3	P-2	M-4/P-1	/	/	/	
107-B	JANITOR CLOSET	PT-3	/	M-2/P-1	P-	/	/	/	P-3	P-2	M-4/P-1	/	/	/	GRT-2
108	NEW UNISEX ADA RESTROOM	PT-3	/	PT-3	WC-4	/	/	/	P-3	P-2	M-4/P-1	/	/	/	GRT-2
109	NEW UNISEX ADA RESTROOM	PT-3	/	PT-3	WC-4	/	/	/	P-3	P-2	M-4/P-1	/	/	/	GRT-2
110	NEW GYM EQUIPMENT STORAGE	PT-3	/	M-2/P-1	P-	/	/	/	P-3	P-2	M-4/P-1	/	/	/	GRT-2
113	EXIST. FURNITURE STORAGE	/	/	M-2/P-1	P-	/	/	/	P-3	P-2	M-4/P-1	/	/	/	
114	EXIST. MECHANICAL EQUIPMENT ROOM	/	/	M-2/P-1	P-	/	/	/	P-3	P-2	M-4/P-1	/	/	/	
115	MEN'S RESTROOM	PT-5	/	PT-5a	WC−2	/	/		P-3	P-2	M-4/P-1	/	PL-2		GRT-1 SS-3
115	MEN'S RESTROOM URINAL WALL	PT-6	PT-7	/	/	/	/	/	/	/	/	/	/		GRT-1
116	WOMEN'S RESTROOM	PT-5	/	PT-5a	WC-3	/	/	/	P-3	P-2	M-4/P-1	/	PL-2	/	GRT-1 SS-3
117	KITCHEN	/	/	M-2/P-1	P-	PT-4	/	/	P-3	P-2	M-4/P-1	/	TH-1	/	GRT-1/GRT-3 QTZ-1



Project 1510	Sheet
7/21/16	ID-12
1/4" = 1'-0"	

CODE	DECORATIVE LIGHTING  DESCRIPTION	LOCATION
L-1	LINEAR DIRECT/INDIRECT DROP LIGHT EATON —12 WAVESTREAM LED MODEL: 12—WS—1L30—1D—UNV—8—STD WHITE — STANDARD STRAIGHT END CAP SIZE: 8' L X 9" W X 2.5" H LAMPS: LED	FITNESS ROOM
L-2	LINEAR DIRECT/INDIRECT DROP LIGHT EATON i2 WAVESTREAM LED MODEL: I2-WS-1L30-1D-UNV-4-STD WHITE - STANDARD STRAIGHT END CAP SIZE: 4' L X 9" W X 2.5" H LAMPS: LED	FITNESS ROOM
L-3	CEILING FAN POSSINI — EURO DESIGN COLLECTION MODEL: 60" OZONE LED CEILING FAN 24" EXTENSION LOW PROFILE FLUSH MOUNT FINISH: BRUSHED NICKEL SIZE: 60" BLADE SPAN — 14 DEGREE BLADE PITCH LAMPS: BUILT IN 18 WATT LED ARRAY WITH 3000K DETAILS: 188 X 14MM DC CEILING MOTOR (INSTALL IN CEILING BETWEEN THE JOIST)	FITNESS ROOM
L-4	CEILING FAN POSSINI — EURO DESIGN COLLECTION MODEL: 60" OZONE LED CEILING FAN 8" EXTENSION LOW PROFILE FLUSH MOUNT FINISH: BRUSHED NICKEL SIZE: 60" BLADE SPAN — 14 DEGREE BLADE PITCH LAMPS: BUILT IN 18 WATT LED ARRAY WITH 3000K DETAILS: 188 X 14MM DC CEILING MOTOR (INSTALL IN CEILING BETWEEN THE JOIST)	AEROBICS ROOM
L-5	FLUSH MOUNT CEILING LIGHT GMB LIGHTING —CUSTOM FIXTURE METAL CANOPY SIZE: 4' X 3' X 3"H — 1220X915XH25 OVERALL SIZE: 4' X 3' X 6"H FINISH: POLISHED CHROME LAMPS: 50-5W — LED DIMMABLE — 3000K / 18PCS WEIGHT: 60 POUNDS 110 V	MAIN ENTRY
L-6	CHANDELIER GMB LIGHTING -CUSTOM FIXTURE METAL CANOPY SIZE: 5' X 5' X 3"H - 1524X1524XH50 OVERALL SIZE: 5' X 5' X 4'-5.1/2"H FINISH: POLISHED CHROME LAMPS: A19 BULBS +E27 HOLDER / 19PCS GU10-LED DIMMABLE - 3000K WEIGHT: 60 POUNDS 110 V	MEETING ROOM
L-7	CEILING FAN MONTE CARLO — CLARITY MAX COLLECTION MODEL: 3CLMR56BSD FINISH: BRUSHED STEEL SIZE: 56" THREE BLADE LAMPS: I INTEGRADED 15W LED BULD — INCLUDED DETAILS: LIGHT OUTPUT OF 800 — 2,700K — CRI 80+ DAMP RATED	KITCHEN
L-8	WALL SCONCE GMB LIGHTING -CUSTOM FIXTURE SIZE: 16" X 5" X 4"D FINISH: POLISHED CHROME LAMPS: E27*2 DOUBLE HOLDER+A19 - 2PCS BULBS / 3000K LED DIMMABLE/1 WEIGHT: 5 POUNDS 110 V	MEETING ROOM ENTRY/VESTIBULE
L-9	WALL SCONCE QUOIZEL LIGHTING MODEL: UPTOWN HOLITA #UPHL8701IS (L.P STYLE#W0622) IMPERIAL SILVER FINISH — OFF-WHITE FABRIC SHADE SIZE: 47-1/2" H X 12"W X 6"D. SHADE SIZE: 8" H X 12-1/2"W X 5-1/2"D. LAMPS: 1-60 WATT BULB (NOT INCLUDED) REPLACE W/LED BULB	MEETING ROOM TV WALL UNIT
L-10	LIGHTING DYNAMICS MODEL: 24GR-LD4-48-F1-UNV-EL14W-L830-U	GYM EQUIP. STORAGE
L-11	CEILING FAN EMERSON FAN — CURVA SKY MODEL: CF152ORB OIL RUBBED BRONZE — THREE BLADE SIZE: 52" THREE BLADE WET RATED	COVERED PATIO
L-12	WALL SCONCE CRAFTMADE — ARDEN MODEL: Z6504-88 OIL BRONZE GILDED SIZE: 15" H X 7" W WET RATED BULB: INCANDESCENT 1 MEDIUM 100 WATT (NOT INCLUDED)	COVERED PATIO
L-13	WALL SCONCE CRAFTMADE — ARDEN MODEL: Z6500—88 OIL BRONZE GILDED SIZE: 24.10" H X 8.50" W WET RATED BULB: INCANDESCENT 1 MEDIUM 100 WATT (NOT INCLUDED)	MAIN ENTRY NORTH ENTRY
	WALL VANITY LIGHT	MEN'S RESTROOM WOMEN'S RESTROOM
L-14	WALL VANITY LIGHT	ADA RESTROOMS
L-15		
L-16	EATON -METALUX SIZE: 24"X24" TROFFER LED MODULE MODEL: 22EN-LD2-25-UNV-L830-CD1-U LAMPS: LED WHITE	FITNESS ROOM AEROBICS ROOM
L-16a	EATON -METALUX SIZE: 24"X24" TROFFER LED MODULE MODEL: 22EN-LD2-25-UNV-EL14W-L830-CD1-U LAMPS: LED WHITE	AEROBICS ROOM
L-17	EATON MODEL: HU1036D930MB	KITCHEN BOTTOM SHELVE ONLY SHELVE ABOVE SINK

	ACOUSTICAL CEILING TILE		
CODE	DESCRIPTION	LOCATION	
ACT-1	ROCKFON ARTIC COLLECTION ITEM: 620 (WHITE) SQUARE TEGULAR NARROW 9-16" GRID	FITNESS ROOM AEROBICS ROOM	

CODE	DESCRIPTION	LOCATION
CT-1	J+J FLOORING GROUP KINETEX STYLE: ANALOG (1821) COLOR: 1547 ASSIMILATE SIZE: 24"X24" WEAR LAYER: POLYESTER BACKING: POLYESTER FELT CUSHION QUATER TURN INSTALLATION	FITNESS ROOM THROUGHOUT ECXEPT WHERE NOTED
CT-2	J+J FLOORING GROUP KINETEX STYLE: ANALOG MONO (1822) COLOR: 1558 RESEMBLE (AQUA) SIZE: 24"X24" WEAR LAYER: POLYESTER BACKING: POLYESTER FELT CUSHION	FITNESS ROOM WHERE NOTED
CT-3	J+J FLOORING GROUP KINETEX STYLE: ANALOG MONO (1822) COLOR: 1557 CORRESPOND (GREEN) SIZE: 24"X24" WEAR LAYER: POLYESTER BACKING: POLYESTER FELT CUSHION	FITNESS ROOM WHERE NOTED
C-4	AREA RUG PATTERN:	MEETING ROOM
CB-5	J+J FLOORING GROUP KINETEX STYLE: STRAIGHT WALL BASE — ACCELERATE 1813 COLOR: GAIN 1594 SIZE: 4" H PEEL AND STICK INSTALLATION	FITNESS ROOM

	RUBBER FLOORING AND WALL BASE		
CODE	DESCRIPTION	LOCATION	
RF-1	ROPPE RAISED DESIGN RUBBER TILE STYLE: #995 HAMMERED DESIGN COLOR: 175 SLATE SIZE: 20"X20" THICKNESS: 1/8"	AEROBICS ROOM THROUGHOUT ECXEPT WHERE NOTED	
	ROPPE RAISED DESIGN RUBBER TILE STYLE: #995 HAMMERED DESIGN COLOR: 146 TURQUOISE SIZE: 20"X20" THICKNESS: 1/8"	AEROBICS ROOM WHERE NOTED	
RF-2a	ROPPE RAISED DESIGN RUBBER TILE STYLE: #995 HAMMERED DESIGN COLOR: 633 GINGKO SIZE: 20"X20" THICKNESS: 1/8"	AEROBICS ROOM WHERE NOTED	
RB-3	ROPPE RUBBER WALL BASE STYLE: STANDARD TOE SIZE: 4" H COLOR: 175 SLATE	AEROBICS ROOM WALL BASE	
RF-4	EAST COAST FLOORING RUBBER FLOOR SIZE: 1/2" THICK COLORS: LIGHT GRAY 10% ROLL	FITNESS ROOM	
RB-5	ROPPE RUBBER WALL BASE STYLE: STANDARD TOE SIZE: 4" H COLOR: BLACK	FITNESS ROOM WALL BASE (FREE WEIGHT AREA ONLY) (WALL WHERE 1/2" RUBBER FLOOR IS LOCATED)	

	PORCELAIN TILE	
CODE	DESCRIPTION	LOCATION
PT-1	ATLAS CONCORDE. PETE VALDEZ 305-218-7312 STYLE: BRAVE COLOR: PEARL - MATT SIZE: 29-1/2" X 59" RECTIFIED MONOCALIBER MUDSET INSTALLATION	THROUGHOUT
PT-2	ATLAS CONCORDE. PETE VALDEZ 305-218-7312 STYLE: BRAVE 3D/WAVE COLOR: PEARL SIZE: 15-3/4"X31-1/2" (SURROINDING EDGES TO HAVE SCHLUTER TRIM)	MEETING ROOM TV WALL UNIT
PT-3	ATLAS CONCORDE. PETE VALDEZ 305-218-7312 STYLE: MARVEL PRO COLOR: TRAVERTINO SILVER - MATT SIZE: 12"X24" MUDSET INSATLLATION FOR RESTROOMS ONLY-BASE BOARD SAME AS TILE AT 6" H (WITH SCHLUTER TRIM ON TOP)	GYM EQUIP. STORAGE ADA RESTROOMS JANITOR CLOSET
PT-4	CAVASTONE GROUP STYLE: GLASS MOSAIC COLOR: "C" PATTERN 11 (AQUA) SIZE: 4"X12" CONTACT:	KITCHEN BACKSPLASH
PT-5	ATLAS CONCORDE. PETE VALDEZ 305-218-7312 STYLE: BRAVE COLOR: PEARL - MATT SIZE: 12" X 24" RECTIFIED MONOCALIBER MUDSET INSTALLATION	MEN'S AND WOMEN'S RESTROOM
PT-5a	ATLAS CONCORDE. PETE VALDEZ 305-218-7312 STYLE: BRAVE COLOR: PEARL - MATT SIZE: 12" X 24" RECTIFIED MONOCALIBER BASE BOARD 6" H (WITH SCHLTER TRIM ON TOP)	MEN'S AND WOMEN'S RESTROOM BASE BOARD 6" H
PT-6	ATLAS CONCORDE. PETE VALDEZ 305-218-7312 STYLE: BRAVE COLOR: PEARL - MATT SIZE: 12" X 24" RECTIFIED MONOCALIBER	MEN'S RESTROOM — WALL ONLY WALL FOR URINALS
PT-7	CAVASTONE GROUP STYLE: GLASS MOSAIC TWIST — PATTERN 33 SIZE: 12"X12" CONTACT: (WITH SCHLTER TRIM ON TOP OF TILE)	MEN'S RESTROOM — WALL ONLY WALL FOR URINALS MOSAIC ACCENT TILE

	MOLDINGS		
CODE	DESCRIPTION	LOCATION	PROFILE
M-1	SMITH AND DeSHIELDS PROFILE: S4S — PRIMED 16LDF SIZE: 11/16" THICK X 5 1/2"W CEILING MOLDING	MEETING ROOM CEILING	
M-2	SMITH AND DeSHIELDS PROFILE: BASE-PRIMED LDF-BA712 SIZE: 9/16" THICK X 7-1/2"H BASE BOARD	MEETING ROOM ENTRY—VESTIBULE EXIST. STORAGE EXIST. MECH. ROOM EXIST. HALLWAY NEW STORAGE KITCHEN	
M-3	SMITH AND DeSHIELDS PROFILE: CROWN-PRIMED LDF-CR7 SIZE: 1-3/16" THICK X 7"W CROWN MOLDING	MEETING ROOM AEROBICS ROOM FITNESS ROOM	
M-4	SMITH AND DeSHIELDS PROFILE: CASING PRIMED LDF-CR312B SIZE: 3/4" X 3-1/2"	DOOR CASINGS THROUGHOUT	
M-5	SMITH AND DeSHIELDS PROFILE: SHOE & SCREEN MOULDINGS-142 SIZE: 3/16"X11/16" SWP	MEETING ROOM TV WALL UNIT	

	PLASTIC LAMINATE/ THERMOFOIL	
CODE	DESCRIPTION	LOCATION
TH-1	DESIGNER WHITE TO MATCH WILSONART D354-60 DESIGNER WHITE	KITCHEN CABINETS
PL-2	WILSONART PREMIUM LAMINATE LINEARITY FINISH WITH AEON ASIAN NIGHT — 7949K—18	MEETING ROOM (TV WALL UNITS AND RECESSED NICHE) MEN'S AND WOMEN'S RESTROOM (ADA VANITY AND STALLS)

	QUATRZ - SOLID SURFACE		
CODE	DESCRIPTION	LOCATION	
QTZ-1	HANSTONE QUARTZ BY HANWHA SURFACES SPECCHIO WHITE — CT402 CABINET COUNTERTOPS	KITCHEN COUNTERTOPS	
QTZ-2	CAMBRIA — WATERSTONE COLLECTIONS #382 BONE ISLAND	KITCHEN ISLAND ONLY	
SS-3	AVONITE SURFACES ARTICA F1-9065 VANITY TOP	MENS' AND WOMEN'S RESTROOMS	

	WALLCOVERIGNG	
CODE	DESCRIPTION	LOCATION
WC-1	VINYL WALL COVERING 54" REPEAT	MEETING ROOM TV WALL UNIT
	BY WELLS DESIGN GROUP	
WC-2	VINYL WALL COVERING 54" REPEAT	MEN'S RESTROOM
	BY WELLS DESIGN GROUP	
WC-3	VINYL WALL COVERING 54" REPEAT	WOMEN'S RESTROOM
	BY WELLS DESIGN GROUP	
WC-4	VINYL WALL COVERING 54" REPEAT	ADA RESTROOMS
	BY WELLS DESIGN GROUP	

	PAINTS	
CODE	DESCRIPTION	LOCATION
P-1	SHERWIN WILLIAMNS PRO 300 LATEX FINISH: WALLS (FLAT), MOLDINGS (SEMI-GLOSS) BY WELLS DESIGN GROUP	M-1 MEETING ROOM M-5 WALL MEETING ROOM M-2 THROUGHOUT M-3 MEETING ROOM-FITNESS ROOM-AEROBICS ROOM M-4 THROUGHOUT
P-2	SHERWIN WILLIAMNS PRO 300 LATEX FINISH: WALLS (FLAT), MOLDINGS (SEMI-GLOSS) BY WELLS DESIGN GROUP	INTERIOR DOORS THROUGHOUT
P-3	SHERWIN WILLIAMNS PRO 300 LATEX FINISH: WALLS (FLAT), MOLDINGS (SEMI-GLOSS) BY WELLS DESIGN GROUP	CEILING THROUGHOUT
P-4	SHERWIN WILLIAMNS PRO 300 LATEX FINISH: WALLS (FLAT), MOLDINGS (SEMI-GLOSS) BY WELLS DESIGN GROUP	COMMUNITY ROOM
P-5	SHERWIN WILLIAMNS PRO 300 LATEX FINISH: WALLS (FLAT), MOLDINGS (SEMI-GLOSS) BY WELLS DESIGN GROUP	DOORS

	GROUT	
CODE	DESCRIPTION	LOCATION
GRT-1	BY WELLS DESIGN GROUP	THROUGHOUT MEETING ROOM TV WALL UNIT MEN'S AND WOMEN'S RESTROOM WHERE ATLAS CONCORDE—BRAVE—PEARL PT.
GRT-2	BY WELLS DESIGN GROUP	GYM EQUIP. STORAGE ADA RESTROOMS
GRT-3	BOSTIK  DIMENSION — GLASS FILLED, PRE—MIXED, URETHANE GROUT. H660 — AQUAMARINE BY WELLS DESIGN GROUP	KITCHEN BACKSPLASH

SCHLUTER TRIM		
CODE	DESCRIPTION	LOCATION
ST-1	SCHLUTER TRIM 1/2" JOLLY POLISHED CHROME	ADA RESTROOMS ABOVE PORCELAIN BASE BOARD
ST-2	SCHLUTER TRIM 1/2" JOLLY POLISHED CHROME	MEN'S AND WOMEN'S RESTROOM ABOVE PORCELAIN BASE BOARD
ST-3	SCHLUTER TRIM 3/4" JOLLY POLISHED CHROME	KITCHEN BACKSPLASH
ST-4	SCHLUTER TRIM 1/2" JOLLY SATIN	MEETING ROOM TV WALL UNIT
ST-5	SCHLUTER TRIM SATIN	BETWWEN PT-1 AND PT-5 (ON FLOOR)

	LEGEND
ACT	ACOUSTICAL CEILING TILE
CT   C	CARPET TILE CARPET
CB	CARPET WALL BASE
PT	PORCELAIN TILE
GRI   M	GROUI WOOD MOLDING
P	PAINT
PL Tu	PLASTIC LAMINATE
TH WC	THERMOFOIL WALL COVERING
RF	RUBBER FLOORING
RB	RUBBER WALL BASE
QTZ	QTZ SURFACE
SS	SOLID SURFACE
ST	SCHLUTER TRIM
	LIGHTING

ODE	DESCRIPTION	LOCATION
1	AMERICAN STANDARD MADERA COLLECTION MODEL # 3043.001.020 ADA EVERCLEAN TOILET WITH SELECTRONIC BATTERY FLUSH VALVE SYSTEM FINISH: WHITE	MEN'S RESTROOM WOMEN'S RESTROOM ADA RESTROOMS TOILETS
2	AMERICAN STANDARD ALLBROOK COLLECTION MODEL # 6541.610.020 SIPHON JET TOP SPUD URINAL WITH SELECTRONIC BATTERY VALVE SYSTEM FINISH: WHITE	MEN'S RESTROOM URINALS
3	AMERICAN STANDARD STUDIO COLLECTION MODEL # 0614.000.020 UNDERCOUNTER SINK FINISH: WHITE	MEN'S RESTROOM WOMEN'S RESTROOM VANITY SINKS
4	AMERICAN STANDARD DECORUM WALL-HUNG BATHROOM SINK EVERCLEAN MODEL # 9024000EC.020. CENTER HOLE ONLY FINISH: WHITE	ADA RESTROOM ADA SINK
5	SLOAN SF-2150 SERIES MODEL # SF-2150-4 SENSOR ACTIVATED ELECTRONIC PEDESTAL FAUCET. FINISH: CHROME PLATED	ADA RESTROOM MEN'S RESTROOM WOMEN'S RESTROOM SINK FAUCET
6	AMERICAN STANDARD DANVILLE 30X18 SINGLE BOWL MODEL # 18SB.301800S.075 UNDERMOUNT SINK FINISH: STAINLESS STEEL	KITCHEN SINK
7	DELTA ESSA SINGLE PULL-DOWN KITCHEN FAUCET MODEL # 9113-DST FINISH: CHROME	KITCHEN FAUCET

CODE	DESCRIPTION	LOCATION
A	BOBRICK TRIMLINE SURFACE MOUNTED ADA DRYER COLLECTION MODEL # B-7128 DRYER FINISH: STAINLESS STEEL COVER SIZE: 13-18/32""H X 13-25/32"W X 4"D	MEN'S RESTROOM WOMEN'S RESTROOM ADA RESTROOM
В	BOBRICK SURFACE MOUNTED SEAT-COVER DISPENSER CONTURA SERIES MODEL # B-4221 FINISH: SATIN-STAINLESS STEEL SIZE: 11-1/4"H X 15-3/4"W X 2-3/16"D	MEN'S RESTROOM WOMEN'S RESTROOM ADA RESTROOM
С	BOBRICK SURFACE MOUNTED SANITARY NAPKIN DISPENSER CONTURA SERIES MODEL # B-270 FINISH: SATIN-STAINLESS STEEL SIZE: 10"H X 7-1/2"W X 3-13/16"D	MEN'S RESTROOM WOMEN'S RESTROOM ADA RESTROOM
D	BOBRICK SURFACE MOUNTED MULTI-ROLL TOILET DISPENSER CONTURA SERIES MODEL # B-4288 FINISH: SATIN-STAINLESS STEEL SIZE: 11"H X 6-1/16"W X 5-15/16"D	MEN'S RESTROOM WOMEN'S RESTROOM ADA RESTROOM
Е	BOBRICK AUTOMATIC WALL MOUNTED FOAM SOAP DISPENSER CONTURA SERIES MODEL # B-2013 FINISH: SATIN-STAINLESS STEEL SIZE: 9-9/16"H X 4-1/4"W X 4-7/32"D	MEN'S RESTROOM WOMEN'S RESTROOM ADA RESTROOM
F	BOBRICK FIX POSITION TILT MIRROR SERIES B-293 MODEL # B-293 1836 FINISH: SATIN-STAINLESS STEEL SIZE: 18"W X 36"H X 4-3/8" - 1-5/16" D	ADA RESTROOM

