

INDEX OF PLANS

SHEET NO.	DESCRIPTION OF SHEET
1	COVER SHEET
2	BOUNDARY SURVEY
3	SPECIFICATIONS
4	DEMOLITION DETAILS
5	SITE PLAN
LA-1	LANDSCAPE PLAN
LA-2	TREE SURVEY
D-1.1	DEMOLITION PLAN
A-1.1	FLOOR PLAN
A-1.1a	FLOOR PLAN, ALTERNATE #1
A-1.2	LARGE SCALE PLAN & DETAILS
A-1.3	REFLECTED CEILING PLAN
A-1.3a	REFLECTED CEILING PLAN, ALTERNATE #2
Ex-A-2.1	EXTERIOR ELEVATIONS (EXISTING)
Ex-A-2.2	EXTERIOR ELEVATIONS (EXISTING)
A-2.1	EXTERIOR ELEVATIONS
A-2.2	EXTERIOR ELEVATIONS
A-2.1a	EXTERIOR ELEVATIONS, ALTERNATE #1
A-2.2a	EXTERIOR ELEVATIONS, ALTERNATE #1
A-3.1	SECTION & DETAILS
A-3.2	SECTION & DETAILS
S-1.1	FOUNDATION PLAN
S-1.1a	FOUNDATION PLAN, ALTERNATE #1
S-1.2	ROOF FRAMING PLAN
M-1	MECHANICAL PLAN & NOTES
M-2	MECHANICAL DETAILS & NOTES
M-1a	MODIFIED HVAC PLAN, ALTERNATE #6
M-2a	MODIFIED HVAC NOTES, ALTERNATE #6
P-1	PLUMBING PLAN, SANITARY
P-2	PLUMBING PLAN, WATER
E-0.1	ELECTRICAL SITE PLAN AND NOTES
E-1.1	DEMOLITION PLAN
E-1.2	LIGHTING PLAN AND NOTES
E-1.3	POWER PLAN AND NOTES
E-1.4	FIRE ALARM PLAN AND NOTES
E-2.1	FIRE ALARM RISER AND NOTES
E-3.1	ELECTRICAL DETAILS AND FIXTURE SCHEDULE
E-4.1	POWER RISER DIAGRAM AND PANEL SCHEDULE
E-5.1	ELECTRICAL SPECIFICATIONS

THE FOLLOWING DRAWINGS ARE AS-BUILT DRAWINGS FOR INFORMATION PURPOSES ONLY

C-1	GRADING PLAN
A-1	SITE PLAN - SCHEDULE
A-2	SITE DETAILS
A-3	FLOOR PLAN
A-4	SECOND FLOOR PLAN - SECTIONS
A-6	EXTERIOR ELEVATIONS
A-7	BUILDING SECTIONS
A-8	WALL SECTIONS
A-9	WALL SECTIONS
A-10	WALL SECTIONS - CABINET DETAILS
A-11	INTERIOR ELEVATIONS
A-12	INTERIOR ELEVATIONS - FINISH SCHEDULE
A-13	WINDOW SCHEDULE - DETAILS
A-14	DOOR SCHEDULE DETAIL - SIGNAGE
A-15	REFLECTED CEILING PLAN
S-1	FOUNDATION PLAN
S-2	ROOF FRAMING PLAN
S-3	STRUCTURAL NOTES

CITY OF

# Clearwater

## Parks & Recreation Department

100 S. Myrtle Avenue, Clearwater, Florida 33756



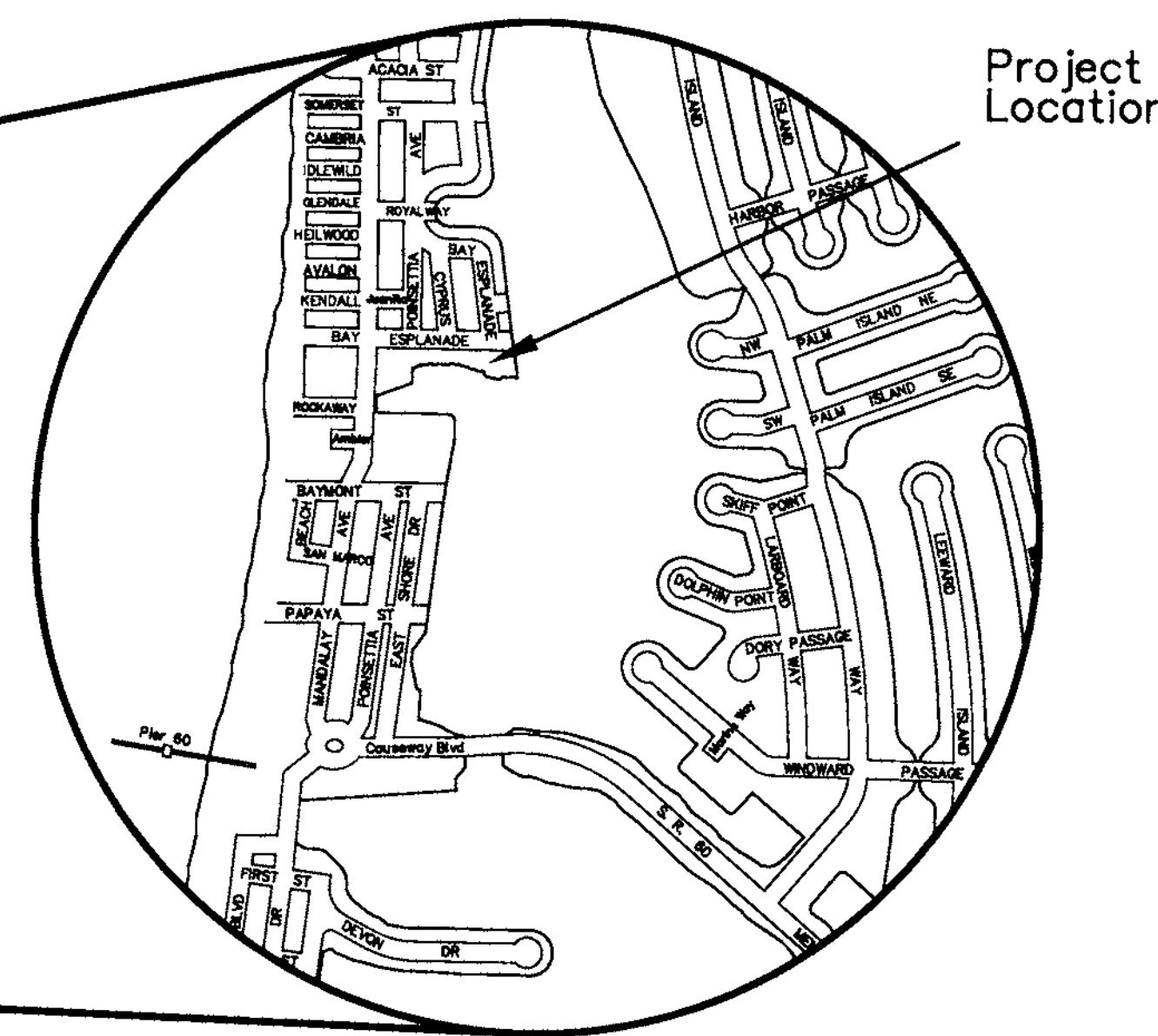
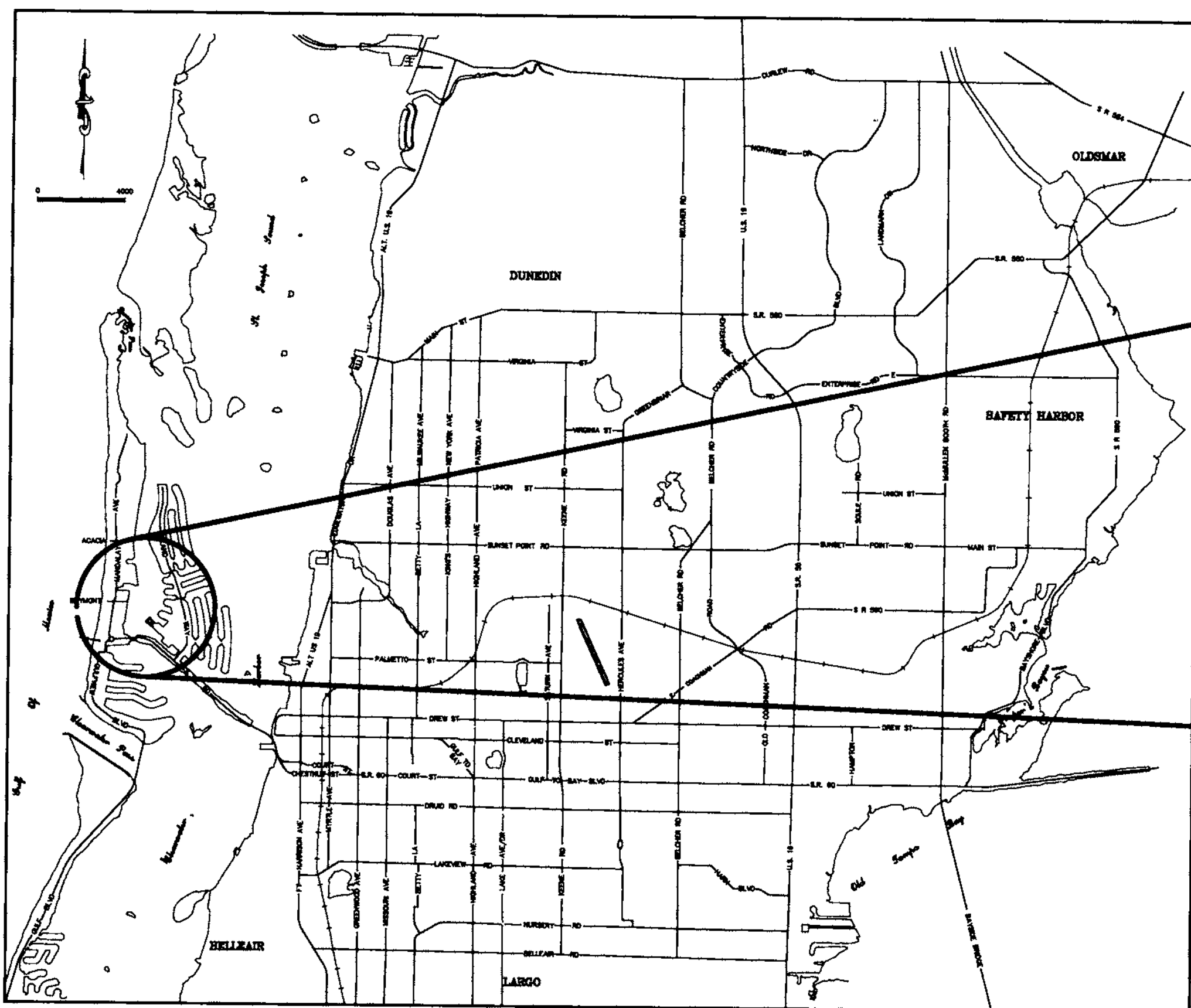
### CLEARWATER BEACH LIBRARY & RECREATION CENTER CONSOLIDATION 69 BAY ESPLANADE, CLEARWATER FLORIDA 33767

Sect 5, Twn 29S, Rng 15E

Project No. 07-0044-PR

PLANS APPROVED  
CLEARWATER FIRE & RESCUE  
This approval shall not prevent the Fire Inspector from requiring corrections of any errors or omissions in plans or construction.  
Date: 2/7/08

REVISED PLANS RECEIVED  
FEB 07 2008  
DEVELOPMENT & NEIGHBORHOOD SERVICES  
CITY OF CLEARWATER



#### CITY OFFICIALS

Frank Hibbard	Mayor	Seat 1
John Doran	Councilmember	Seat 2
George N. Cretekos	Councilmember	Seat 3
Carlen Petersen	Councilmember	Seat 4
Paul F. Gibson	Councilmember	Seat 5
William B. Horne II	City Manager	
Kevin E. Dunbar	Director Parks & Recreation Dept.	

Michael D. Quillen, P.E.  
City Engineer

Approved By

*Michael D. Quillen*  
CITY ENGINEER MICHAEL D. QUILLEN, P.E. # 33721

Date Approved

2-7-08



FWLER ASSOCIATES  
ARCHITECTS, INC.

1421 COURT STREET CLEARWATER, FLORIDA 33756 (727) 449-2221 FAX (727) 447-5330  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-0005441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC001665

DEUEL ASSOCIATES

CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS  
4625 EAST BAY DRIVE, SUITE 211, CLEARWATER, FL 33764  
PH 727.822.4151 FAX 727.821.7255  
WWW.CFREDEUEL.NET  
CERTIFICATE OF AUTHORIZATION # 26320 LICENSED BUSINESS # 107

Plan Set No. 2007051

69 BAY ESPLANADE  
BCP2007-11174  
CLEARWATER BEACH LIBRARY & REC  
Zoning: OSR

INDEX OF PLANS

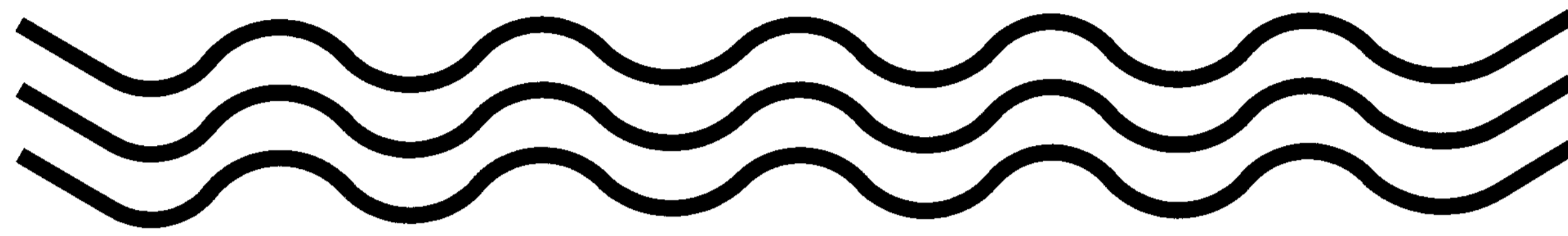
SHEET NO.	DESCRIPTION OF SHEET
1	COVER SHEET
2	BOUNDARY SURVEY
3	SPECIFICATIONS
4	DEMOLITION DETAILS
5	SITE PLAN
LA-1	LANDSCAPE PLAN
LA-2	TREE SURVEY
D-1.1	DEMOLITION PLAN
A-1.1	FLOOR PLAN
A-1.1a	FLOOR PLAN, ALTERNATE #1
A-1.2	LARGE SCALE PLAN & DETAILS
A-1.3	REFLECTED CEILING PLAN
A-1.3a	REFLECTED CEILING PLAN; ALTERNATE #2
Ex-A-2.1	EXTERIOR ELEVATIONS (EXISTING)
Ex-A-2.2	EXTERIOR ELEVATIONS (EXISTING)
A-2.1	EXTERIOR ELEVATIONS
A-2.2	EXTERIOR ELEVATIONS
A-2.1a	EXTERIOR ELEVATIONS; ALTERNATE #1
A-2.2a	EXTERIOR ELEVATIONS; ALTERNATE #1
A-3.1	SECTION & DETAILS
A-3.2	SECTION & DETAILS
S-1.1	FOUNDATION PLAN
S-1.1a	FOUNDATION PLAN; ALTERNATE #1
S-1.2	ROOF FRAMING PLAN
M-1	MECHANICAL PLAN & NOTES
M-2	MECHANICAL DETAILS & NOTES
M-1a	MODIFIED HVAC PLAN; ALTERNATE #6
M-2a	MODIFIED HVAC NOTES; ALTERNATE #6
P-1	PLUMBING PLAN - SANITARY
P-2	PLUMBING PLAN - WATER
E-0.1	ELECTRICAL SITE PLAN AND NOTES
E-1.1	DEMOLITION PLAN
E-1.2	LIGHTING PLAN AND NOTES
E-1.3	POWER PLAN AND NOTES
E-1.4	FIRE ALARM PLAN AND NOTES
E-2.1	FIRE ALARM RISER AND NOTES
E-3.1	ELECTRICAL DETAILS AND FIXTURE SCHEDULE
E-4.1	POWER RISER DIAGRAM AND PANEL SCHEDULE
E-5.1	ELECTRICAL SPECIFICATIONS

THE FOLLOWING DRAWINGS ARE AS-BUILT DRAWINGS FOR INFORMATION PURPOSES ONLY

C-1	GRADING PLAN
A-1	SITE PLAN - SCHEDULE
A-2	SITE DETAILS
A-3	FLOOR PLAN
A-4	SECOND FLOOR PLAN - SECTIONS
A-6	EXTERIOR ELEVATIONS
A-7	BUILDING SECTIONS
A-8	WALL SECTIONS
A-9	WALL SECTIONS
A-10	WALL SECTIONS - CABINET DETAILS
A-11	INTERIOR ELEVATIONS
A-12	INTERIOR ELEVATIONS - FINISH SCHEDULE
A-13	WINDOW SCHEDULE - DETAILS
A-14	DOOR SCHEDULE DETAIL - SIGNAGE
A-15	REFLECTED CEILING PLAN
S-1	FOUNDATION PLAN
S-2	ROOF FRAMING PLAN
S-3	STRUCTURAL NOTES

CITY OF

# Clearwater



## Parks & Recreation Department

100 S. Myrtle Avenue, Clearwater, Florida 33756

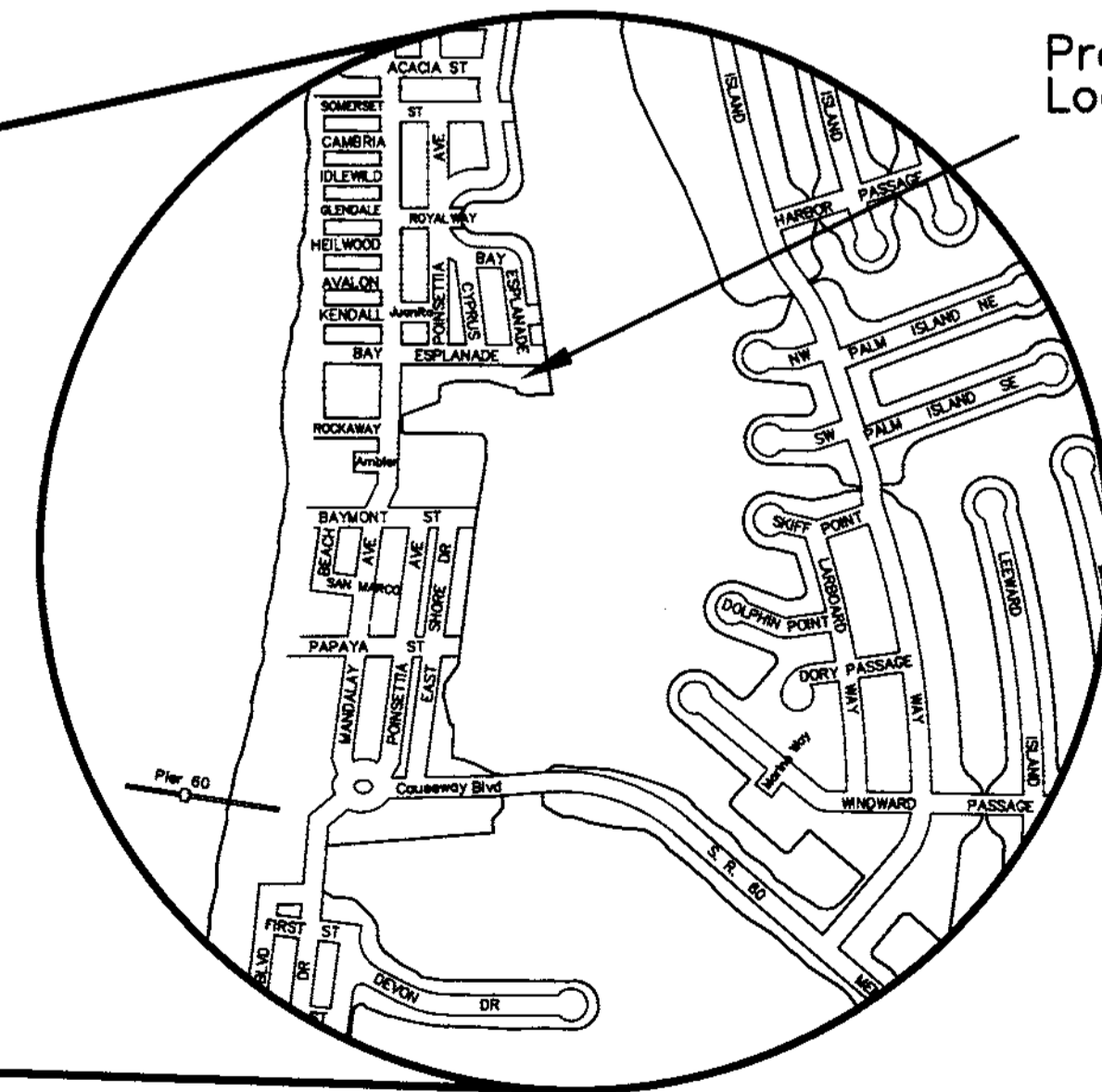
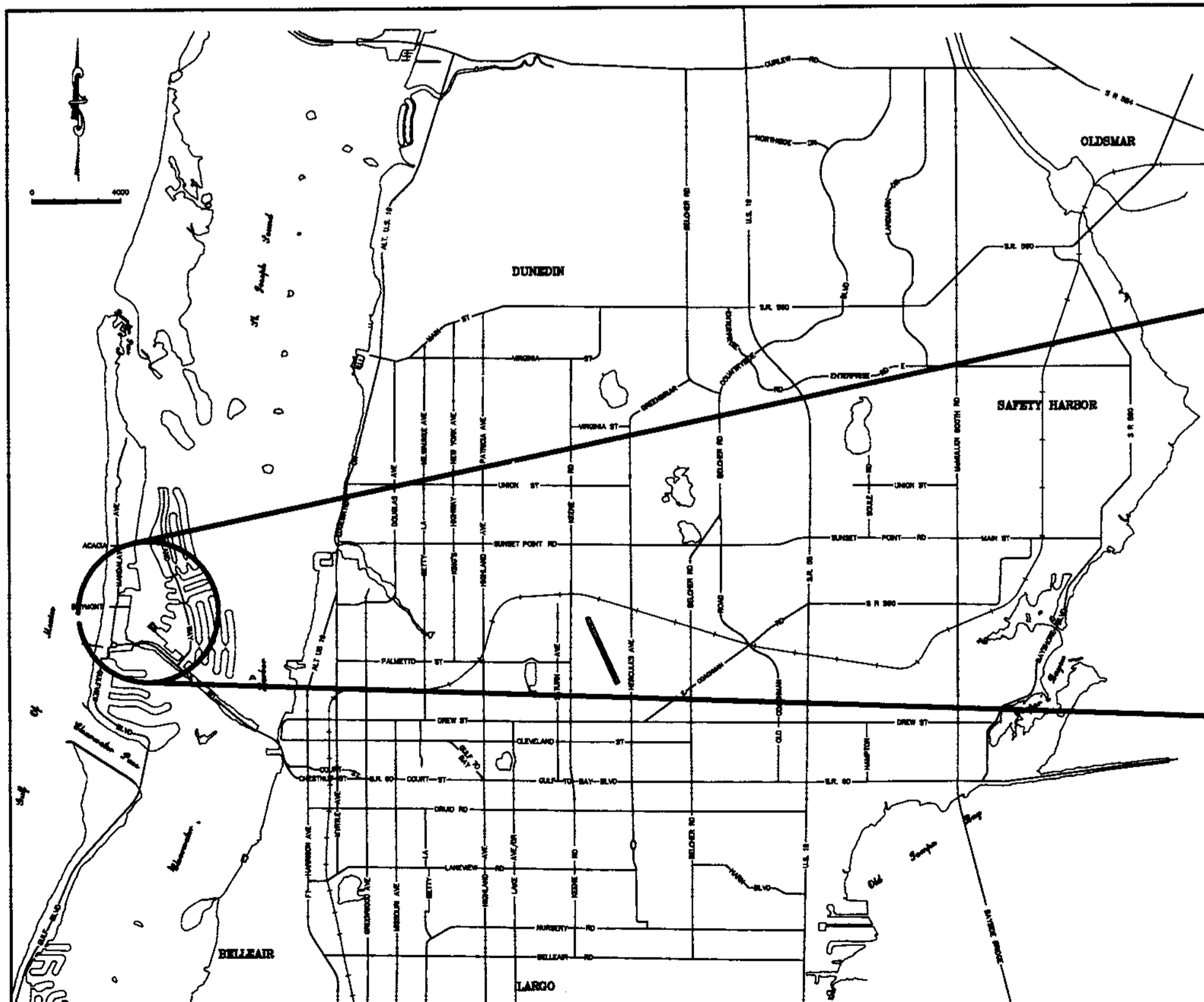


### CLEARWATER BEACH LIBRARY & RECREATION CENTER CONSOLIDATION 69 BAY ESPLANADE, CLEARWATER FLORIDA 33767

Sect 5, Twn 29S, Rng 15E

Project No. 07-0044-PR

**PLANS APPROVED**  
CLEARWATER FIRE & RESCUE  
This approval shall not prevent the Fire Inspector from requiring corrections of any errors or omissions in plans or construction.  
Insp: [Signature] Date: 11-9-07



Project Location

#### CITY OFFICIALS

Frank Hibbard	Mayor	Seat 1
John Doran	Councilmember	Seat 2
George N. Cretekos	Councilmember	Seat 3
Carlen Petersen	Councilmember	Seat 4
Paul F. Gibson	Councilmember	Seat 5
William B. Horne II	City Manager	

Kevin E. Dunbar  
Director Parks & Recreation Dept.

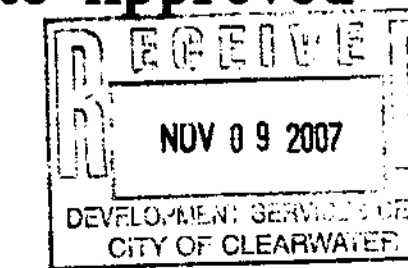
Michael D. Quillen, P.E.  
City Engineer

Approved By

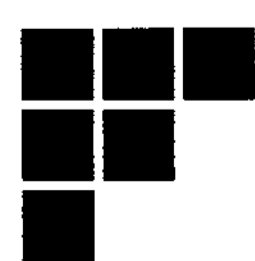
[Signature]  
CITY ENGINEER MICHAEL D. QUILLEN, P.E. # 33721

Date Approved

11-9-07



Plan Set No. 2007051



FOWLER ASSOCIATES  
ARCHITECTS, INC.

1421 COURT STREET CLEARWATER, FLORIDA 33756 (727) 449-2321 FAX (727) 447-5339  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-0005441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC001885

DEUEL ASSOCIATES

CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS  
4625 EAST BAY DRIVE, SUITE 211, CLEARWATER, FL 33764  
PH 727.822.4151 FAX 727.821.7255  
WWW.CFDEUEL.NET  
CERTIFICATE OF AUTHORIZATION # 26320 LICENSED BUSINESS # 107

69 BAY ESPLANADE  
BCP2007-11174  
RENOVATIONS

alt: 258A

Zoning: CSR

GENERAL CONSTRUCTION NOTES

- 1. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
2. ELEVATIONS REFER TO THE N.A.V.D. 1988.
3. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS...

GRADING AND DRAINAGE NOTES

- 1. ALL DELETERIOUS SUBSTANCE MATERIAL, (I.E. MUCK, PEAT, BURIED DEBRIS), IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS, OR AS DIRECTED BY THE OWNER'S ENGINEER...
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING, OR SHORING AS NECESSARY...
3. ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE CLASS III (ASTM C-76) UNLESS OTHERWISE NOTED ON PLANS.

PAVING NOTES

- 1. PRIOR TO CONSTRUCTING CONCRETE PAVEMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINTING PATTERN TO THE OWNER'S ENGINEER FOR APPROVAL.
2. THE CONTRACTOR IS TO PROVIDE A 1/2" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER, AT ABUTMENT OF CONCRETE AND ANY STRUCTURE.
3. ALL PAVEMENT MARKINGS SHALL BE MADE WITH TRAFFIC PAINT IN ACCORDANCE TO FOOT STANDARD SPECIFICATIONS 971-12 OR 971-13...

PAVING, GRADING & DRAINAGE TESTING AND INSPECTION REQUIREMENTS

- 1. THE STORM DRAINAGE PIPING AND FILTRATION SYSTEM SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S SOILS ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL.
2. THE CONTRACTOR SHALL MAINTAIN THE STORM DRAINAGE SYSTEMS UNTIL FINAL ACCEPTANCE OF THE PROJECT.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE APPLICABLE TESTING WITH THE SOILS ENGINEER. TESTS WILL BE REQUIRED PURSUANT WITH THE TESTING SCHEDULE FOUND IN THE ENGINEERING CONSTRUCTION DRAWINGS...

WATER SYSTEM NOTES

- 1. ALL WATER MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER
2. ALL WATER SYSTEM WORK SHALL CONFORM WITH LOCAL REGULATORY STANDARDS AND SPECIFICATIONS.
3. ALL PVC WATER MAINS 4" THROUGH 12" SHALL BE IN ACCORDANCE WITH AWWA C-900 PIPE SHALL BE CLASS 150 AND MEET THE REQUIREMENTS OF SDR 18 IN ACCORDANCE WITH ASTM D-2241.
4. WATER MAINS LESS THAN 4" SHALL BE PVC SDR21.

WATER SYSTEM TESTING AND INSPECTION REQUIREMENTS

- 1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER. PRESSURE TESTS TO BE IN ACCORDANCE WITH WATER DEPARTMENT SPECIFICATIONS. CONTRACTOR TO NOTIFY OWNER'S ENGINEER AND WATER DEPARTMENT INSPECTORS 48 HOURS IN ADVANCE OF PERFORMING TESTS.
2. CONTRACTOR TO PERFORM CHLORINATION, BACTERIOLOGICAL SAMPLING SHALL BE BY THE LOCAL PUBLIC HEALTH UNIT AND/OR LOCAL UTILITY. CONTRACTOR SHALL OBTAIN CLEARANCE OF DOMESTIC WATER SYSTEM COPIES OF ALL BACTERIOLOGICAL TESTS TO BE SUBMITTED TO OWNER'S ENGINEER.

HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR SEWER FORCE MAINS AND RECLAIMED WATER PIPELINES.

- (A) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(B) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
(C) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
(D) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED 'ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM' AS DEFINED IN SECTION 381.005(2), F.S., AND RULE 64E-6.002, F.A.C.

VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES

- (A) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
(B) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
(C) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

S.W.F.W.M.D. / EROSION CONTROL NOTES

- 1. DURING CONSTRUCTION SEDIMENT IS TO REMAIN ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO INITIATING AND DURING ALL PHASES OF LAND CLEARING AND CONSTRUCTION TO PREVENT SOIL EROSION AND SILTATION.
2. ROUGH EXCAVATE RETENTION AREAS.
3. DIRECT ALL SURFACE DRAINAGE TOWARD RETENTION AREA DURING CONSTRUCTION.
4. AFTER PAVING, GRADE RETENTION AREAS TO CONTOURS, SHAPE AS SHOWN AND SOD.
5. ALL DISTURBED CONDITIONS SHALL BE RESTORED TO NATURAL CONDITIONS OR BETTER.
6. ALL SIDE SLOPES OF RETENTION OR SWALE AREAS SHALL BE STABILIZED BY VEGETATION OR OTHER MATERIALS TO MINIMIZE EROSION AND PROTECT THE STORMWATER BASIN.

NOTE: PLAN CONFLICTS, SHOWN OR UNSHOWN, WITH OTHER EXISTING SITE IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ADJUSTMENTS AND PROTECT OR REINSTALL ALL DISTURBED EXISTING UTILITIES, PHONE LINES, POWER LINES, POWER SUPPORT CABLES, SPRINKLER LINES AND CONTROLS, MECHANICAL PIPELINES OR UNDERGROUND POWER CABLES AND RETURN EXISTING CONCRETE WALKS, DUMPSTER PADS, FENCE, HANDRAILS, VALVES, HYDRANTS, WIRES, ELECTRIC BOXES AND PIPELINES WHICH SHALL BE REPAIRED OR REINSTALLED AS INCIDENTAL TO THE COST OF WORK SHOWN HEREUNDER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESOLVE ANY CONFLICTS PRIOR TO AWARD OF THE CONTRACT.

NOTE: REQUIRED EROSION CONTROL MEASURES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE BARRICADES WILL RESULT IN ENFORCEMENT ACTION WHICH MAY INCLUDE CITATIONS, AS PROVIDED BY CHAPTERS 40D-4 & 40D-40 F.A.C. INITIATION OF CIVIL PENALTY PROCEDURES PURSUANT TO SECTION 373.12(8), F.A.C. CAN RESULT IN A PENALTY NOT TO EXCEED \$10,000 PER OFFENSE WITH EACH DATE DURING WHICH SUCH VIOLATION OCCURS CONSTITUTING A OFFENSE.

MAINTENANCE AND OPERATIONS INSPECTIONS FOR STORMWATER DISCHARGE FACILITY

- 1. ALL SODDED AREAS SHALL BE MOVED AND MAINTAINED PROPERLY.
2. UNDER NO CIRCUMSTANCES SHALL THE RETENTION AREA BE FILLED WITH ANY OTHER SUBSTANCE THAN STORMWATER.
3. SWALE AREAS SHALL BE KEPT CLEAN AND FREE OF ANY OBSTRUCTIONS.
4. IF DAMAGE TO THE SYSTEM DOES OCCUR, THE SYSTEM SHALL BE RECONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLAN.

OPERATION & MAINTENANCE OF THE STORMWATER SYSTEM

THE OWNER SHALL PERIODICALLY MONITOR THE STORMWATER SYSTEM (PIPE CONVEYANCE SYSTEM AND RETENTION POND) FOR SILT AND SEDIMENTATION BUILD UP. THE PIPE CONVEYANCE SYSTEM SHALL BE FLUSHED, AS DEEMED NECESSARY NO LESS THAN TWICE A YEAR. ALL MATERIAL SHALL BE COLLECTED DOWNSTREAM AND REMOVED. THE RETENTION POND SHALL BE KEPT MOVED AND THE BOTTOM FREE OF DEBRIS. IF WATER STANDS IN THE POND MORE THAN 48 HOURS THE OWNER SHALL RAKE AND/OR SCOUR THE POND BOTTOM, AS DEEMED NECESSARY AND NO LESS THAN TWICE A YEAR TO RESTORE THE PERCOLATION CHARACTERISTICS OF THE POND. THE OWNER WILL BE RESPONSIBLE TO MAKE SURE THAT TO THE BEST OF HIS ABILITY NOTHING ENTERS THE SYSTEM BESIDES STORMWATER THAT COULD DETERIORATE THE FUNCTIONING CAPABILITIES OF THE SYSTEM, I.E. GASOLINE, OIL, GREASE, CHEMICALS, ETC...

THE POND UNDERDRAIN SYSTEM SHALL BE INSPECTED ANNUALLY AND RETROFITTED AND FLUSHED SEMI-ANNUALLY. CLOGGED OR SPENT FILTER MATERIAL SHALL BE DISPOSED OF IN ALL MANNERS AS WITH THE HANDLING OF HAZARDOUS WASTE. THE SPENT FILTER MATERIAL SHALL BE DISPOSED OF IN A PERMITTED FACILITY.

NOTICE TO ALL CONTRACTORS AND DEVELOPERS

THE DOMESTIC WATER SYSTEM AND THE STORM DRAIN FILTER SYSTEM FOR THIS PROJECT MUST BE INSPECTED BY OUR OFFICE IN ORDER THAT THEY BE CERTIFIED TO THE APPROPRIATE GOVERNMENTAL AGENCY. IT IS, THEREFORE, IMPERATIVE THAT OUR OFFICE BE NOTIFIED AT LEAST 24 HOURS PRIOR TO BACKFILLING OVER THESE FACILITIES. FAILURE TO DO SO WILL RESULT IN THESE FACILITIES HAVING TO BE UNCOVERED AND INSPECTED BEFORE A CERTIFICATE OF OCCUPANCY IS ISSUED. YOUR CERTIFICATE OF OCCUPANCY WILL BE WITHHELD UNTIL THE MATTER IS RESOLVED.

DEUEL & ASSOCIATES (727) 822-4151

CLEARING AND GRUBBING NOTES

- 1. PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN ON THE CONSTRUCTION PLANS SHALL BE PROTECTED IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY'S TREE ORDINANCE AND DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION. NO TREES SHOWN TO REMAIN SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE OWNER.
2. THE CONTRACTOR IS TO PREPARE THE SITE PRIOR TO BEGINNING ACTUAL CONSTRUCTION IN ACCORDANCE WITH THE SOILS TESTING REPORT. COPIES OF THE SOILS REPORT ARE AVAILABLE THROUGH THE OWNER OR THE SOILS TESTING COMPANY. QUESTIONS REGARDING SITE PREPARATION REQUIREMENTS DESCRIBED IN THE SOILS REPORT ARE TO BE DIRECTED TO THE SOILS TESTING COMPANY.
3. THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE, NECESSARY FOR CONSTRUCTION. DISTURBED AREAS WILL BE SEEDDED, MULCHED, OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL IMMEDIATELY FOLLOWING CONSTRUCTION.
4. THE TOP 4" TO 6" OF GROUND REMOVED DURING CLEARING AND GRUBBING SHALL BE STOCKPILED AT A SITE DESIGNATED BY THE OWNER TO BE USED FOR LANDSCAPING PURPOSES, UNLESS OTHERWISE DIRECTED BY THE OWNER.
5. ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATIONS. ONLY "GRADING BY HAND" IS PERMITTED WITHIN THE CANOPY LINE OF TREES THAT ARE TO REMAIN.
6. THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS FOR REMOVING ANY EXISTING STRUCTURES.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES TO DISCONNECT OR REMOVE THEIR FACILITIES PRIOR TO REMOVING OR DEMOLISHING.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAKING A VISUAL INSPECTION OF THE SITE AND WILL BE RESPONSIBLE FOR THE DETECTION AND REMOVAL OF ALL UNDERGROUND AND ABOVE GROUND STRUCTURES THAT WILL NOT BE INCORPORATED WITH THE NEW FACILITIES. SHOULD ANY DISCREPANCIES EXIST WITH THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING THE OWNER AND REQUESTING A CLARIFICATION OF THE PLANS PRIOR TO DEMOLITION.
9. DURING CONSTRUCTION, ALL STORM SEWER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS.
10. ALL EROSION AND SILTATION CONTROL METHODS SHALL BE IMPLEMENTED PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
11. WHEN CONSTRUCTION IS COMPLETED, THE RETENTION/DEFENTION AREAS WILL BE RESHAPED, CLEANED OF SILT, MUD AND DEBRIS, AND RE-SODDED IN ACCORDANCE TO THE PLANS.
12. CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, WATERWAYS, AND EXISTING WETLANDS.

REVISED PLANS RECEIVED FEB 07 2008 DEVELOPMENT & NEIGHBORHOOD SERVICES CITY OF CLEARWATER

RECORD DRAWINGS

Table with columns: SURVEYED BY, DRAWN BY, REVISION, PROJECT ENGINEER, DATE, APPROVED BY, CITY ENGINEER MICHAEL D. QUILLD, P.E. # 33721, DATE

REVISION

CITY OF CLEARWATER, FLORIDA PARKS & RECREATION DEPT. 100 S. Myrtle Ave. Clearwater, FL 33768

DEUEL & ASSOCIATES CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS 4625 EAST BAY DRIVE, SUITE 211, CLEARWATER, FL 33764 PH 727.822.4151 FAX 727.821.7255 WWW.CFREDEUEL.NET CERTIFICATE OF AUTHORIZATION # 26320 LICENSED BUSINESS # 107

CLEARWATER BEACH LIBRARY & RECREATION CENTER CONSOLIDATION SPECIFICATIONS

Table with columns: DRAWN BY (Novo), DESIGNED BY (B.A.B.), CHECKED BY (A.P.C.), CLEARWATER CONTRACT NO. (07-0044-PR), SCALE (NONE), SURVEYED BY (CLEARWATER), BOOK NO., SHEET NO. (2 OF 4), HORIZ. (NONE), DATE DRAWN (8/3/07), DWG. NAME (2007-242), DATE (1/16/08)

GENERAL CONSTRUCTION NOTES

- 1. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
2. ELEVATIONS REFER TO THE N.A.V.D. 1988.
3. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS...

GRADING AND DRAINAGE NOTES

- 1. ALL DELETERIOUS SUBSTANCE MATERIAL, (I.E. MUCK, PEAT, BURIED DEBRIS), IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS, OR AS DIRECTED BY THE OWNER'S ENGINEER, OR OWNER'S SOIL TESTING COMPANY...
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING, OR SHORING, AS NECESSARY...

PAVING NOTES

- 1. PRIOR TO CONSTRUCTING CONCRETE PAVEMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINTING PATTERN TO THE OWNER'S ENGINEER FOR APPROVAL.
2. THE CONTRACTOR IS TO PROVIDE A 1/2" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER, AT ADJUTMENT OF CONCRETE AND ANY STRUCTURE.

PAVING, GRADING & DRAINAGE TESTING AND INSPECTION REQUIREMENTS

- 1. THE STORM DRAINAGE PIPING AND FILTRATION SYSTEM SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S SOILS ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL.
2. THE CONTRACTOR SHALL MAINTAIN THE STORM DRAINAGE SYSTEMS UNTIL FINAL ACCEPTANCE OF THE PROJECT.

WATER SYSTEM NOTES

- 1. ALL WATER MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER
2. ALL WATER SYSTEM WORK SHALL CONFORM WITH LOCAL REGULATORY STANDARDS AND SPECIFICATIONS.
3. ALL PVC WATER MAINS 4" THROUGH 12" SHALL BE IN ACCORDANCE WITH AWWA C-900 PIPE SHALL BE CLASS 150 AND MEET THE REQUIREMENTS OF SDR 18...

WATER SYSTEM TESTING AND INSPECTION REQUIREMENTS

- 1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER...
2. CONTRACTOR TO PERFORM CHLORINATION, BACTERIOLOGICAL SAMPLING SHALL BE BY THE LOCAL PUBLIC HEALTH UNIT AND/OR LOCAL UTILITY...

HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR SEWER FORCE MAINS AND RECLAIMED WATER PIPELINES

- (A) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER...
(B) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER...

VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES

- (A) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE...
(B) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE...

S.W.F.W.M.D. / EROSION CONTROL NOTES

- 1. DURING CONSTRUCTION SEDIMENT IS TO REMAIN ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO INITIATING AND DURING ALL PHASES OF LAND CLEARING AND CONSTRUCTION TO PREVENT SOIL EROSION AND SILTATION.
2. ROUGH EXCAVATE RETENTION AREAS.
3. DIRECT ALL SURFACE DRAINAGE TOWARD RETENTION AREA DURING CONSTRUCTION.

NOTE: PLAN CONFLICTS, SHOWN OR UNSHOWN, WITH OTHER EXISTING SITE IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ADJUSTMENTS AND PROTECT OR REINSTALL ALL DISTURBED EXISTING UTILITIES, PHONE LINES, POWER LINES, POWER SUPPORT CABLES, SPRINKLER LINES AND CONTROLS, MECHANICAL PIPELINES OR UNDERGROUND POWER CABLES AND RETURN EXISTING CONCRETE WALKS, DUMPSTER PADS, FENCE, HANDRAIL VALVES, HYDRANTS, GUY WIRES, ELECTRIC BOXES AND PIPELINES WHICH SHALL BE REPAIRED OR REINSTALLED AS INCIDENTAL TO THE COST OF WORK SHOWN HEREUNDER...

NOTE: REQUIRED EROSION CONTROL MEASURES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. FAILURE TO MAINTAIN THESE BARRICADES WILL RESULT IN ENFORCEMENT ACTION WHICH MAY INCLUDE CITATIONS, AS PROVIDED BY CHAPTERS 400-4 & 400-40 F.A.C. INITIATION OF CIVIL PENALTY PROCEDURES PURSUANT TO SECTION 375.129, F.A.C. CAN RESULT IN A PENALTY NOT TO EXCEED \$10,000 PER OFFENSE WITH EACH DATE DURING WHICH SUCH VIOLATION OCCURS CONSTITUTING A OFFENSE.

MAINTENANCE AND OPERATIONS INSPECTIONS FOR STORMWATER DISCHARGE FACILITY

- 1. ALL SODDED AREAS SHALL BE MOWED AND MAINTAINED PROPERLY.
2. UNDER NO CIRCUMSTANCES SHALL THE RETENTION AREA BE FILLED WITH ANY OTHER SUBSTANCE THAN STORMWATER.
3. SWALE AREAS SHALL BE KEPT CLEAN AND FREE OF ANY OBSTRUCTIONS.

OPERATION & MAINTENANCE OF THE STORMWATER SYSTEM

THE OWNER SHALL PERIODICALLY MONITOR THE STORMWATER SYSTEM (PIPE CONVEYANCE SYSTEM AND RETENTION POND) FOR SILT AND SEDIMENTATION BUILD UP. THE PIPE CONVEYANCE SYSTEM SHALL BE FLUSHED, AS DEEMED NECESSARY NO LESS THAN TWICE A YEAR. ALL MATERIAL SHALL BE COLLECTED DOWNSTREAM AND REMOVED. THE RETENTION POND SHALL BE KEPT MOWED AND THE BOTTOM FREE OF DEBRIS. IF WATER STANDS IN THE POND MORE THAN 48 HOURS THE OWNER SHALL RAKE AND/OR SCARRY THE POND BOTTOM, AS DEEMED NECESSARY AND NO LESS THAN TWICE A YEAR TO RESTORE THE PERCOLATION CHARACTERISTICS OF THE POND...

THE POND UNDERDRAIN SYSTEM SHALL BE INSPECTED ANNUALLY AND RETROFITTED AND FLUSHED SEMI-ANNUALLY. CLOGGED OR SPENT FILTER MATERIAL SHALL BE DISPOSED OF IN ALL MANNERS AS WITH THE HANDLING OF HAZARDOUS WASTE. THE SPENT FILTER MATERIAL SHALL BE DISPOSED OF IN A PERMITTED FACILITY.

NOTICE TO ALL CONTRACTORS AND DEVELOPERS

THE DOMESTIC WATER SYSTEM AND THE STORM DRAIN FILTER SYSTEM FOR THIS PROJECT MUST BE INSPECTED BY OUR OFFICE IN ORDER THAT THEY BE CERTIFIED TO THE APPROPRIATE GOVERNMENTAL AGENCY. IT IS, THEREFORE, IMPERATIVE THAT OUR OFFICE BE NOTIFIED AT LEAST 24 HOURS PRIOR TO BACKFILLING OVER THESE FACILITIES. FAILURE TO DO SO WILL RESULT IN THESE FACILITIES HAVING TO BE UNCOVERED AND INSPECTED BEFORE A CERTIFICATE OF OCCUPANCY IS ISSUED. YOUR CERTIFICATE OF OCCUPANCY WILL BE WITHHELD UNTIL THE MATTER IS RESOLVED.

DEUEL & ASSOCIATES (727) 822-4151

CLEARING AND GRUBBING NOTES

- 1. PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN ON THE CONSTRUCTION PLANS SHALL BE PROTECTED IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY'S TREE ORDINANCE AND DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION, NO TREES SHOWN TO REMAIN SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE OWNER.
2. THE CONTRACTOR IS TO PREPARE THE SITE PRIOR TO BEGINNING ACTUAL CONSTRUCTION IN ACCORDANCE WITH THE SOILS TESTING REPORT. COPIES OF THE SOILS REPORT ARE AVAILABLE THROUGH THE OWNER OR THE SOILS TESTING COMPANY. QUESTIONS REGARDING SITE PREPARATION REQUIREMENTS DESCRIBED IN THE SOILS REPORT ARE TO BE DIRECTED TO THE SOILS TESTING COMPANY.

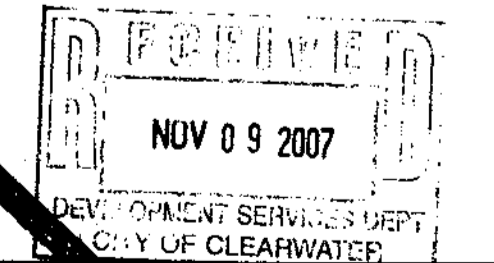


Table with columns: SURVEYED BY, DRAWN BY, REVISED BY, PROJECT ENGINEER, DATE, APPROVED BY, CITY ENGINEER MICHAEL D. OULLEN, P.E. # 33721, DATE.

Table with columns: REVISION, BY, DATE.

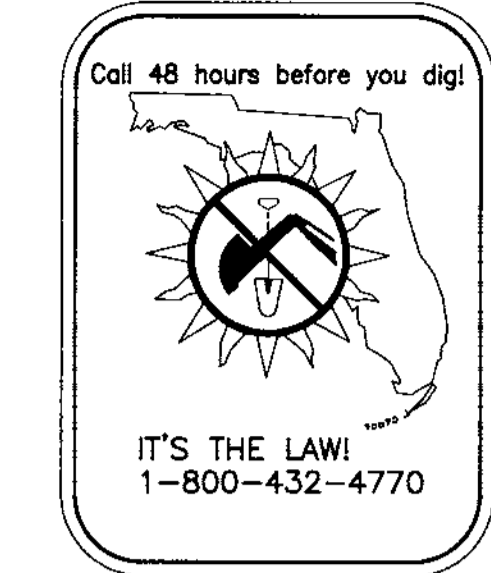
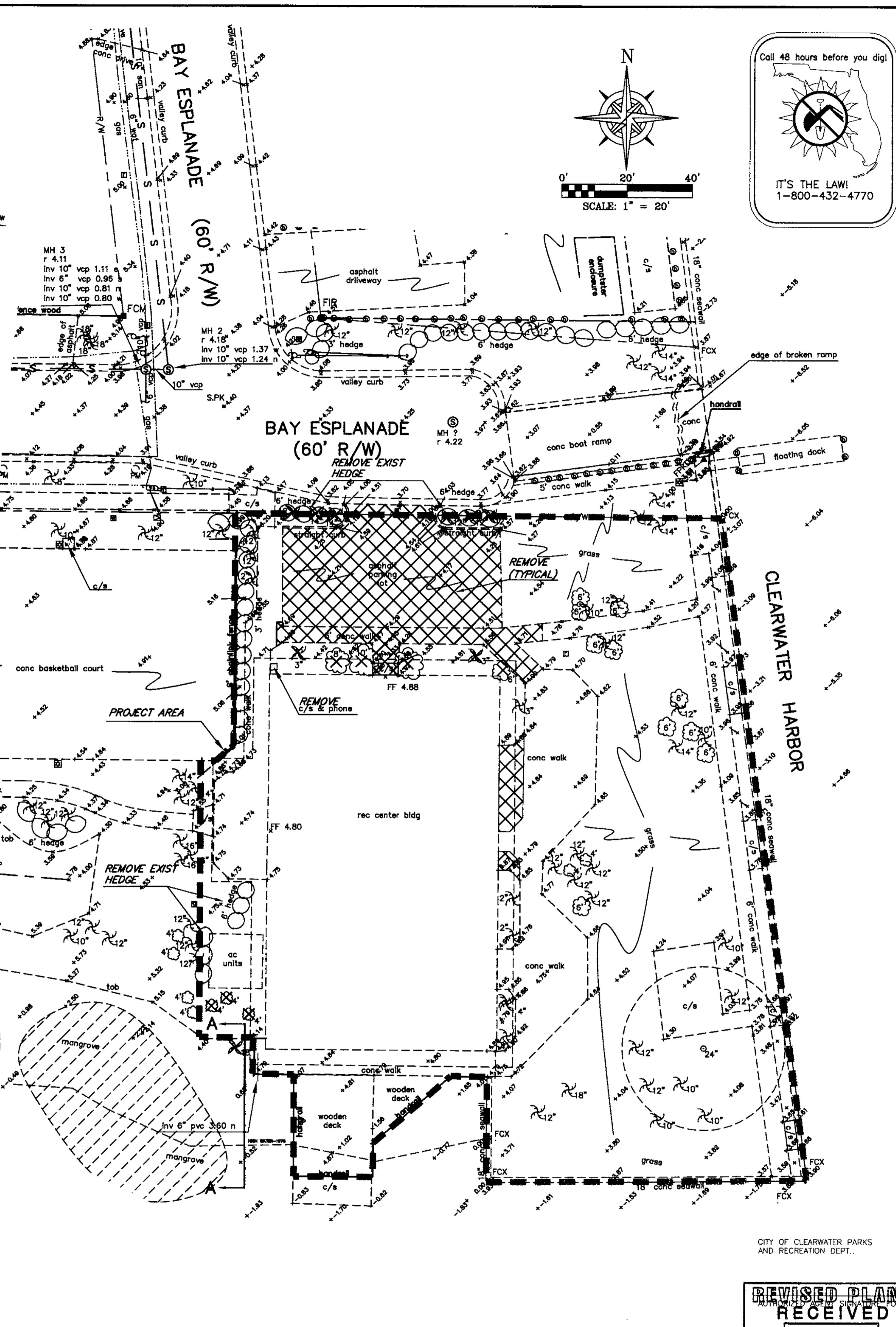
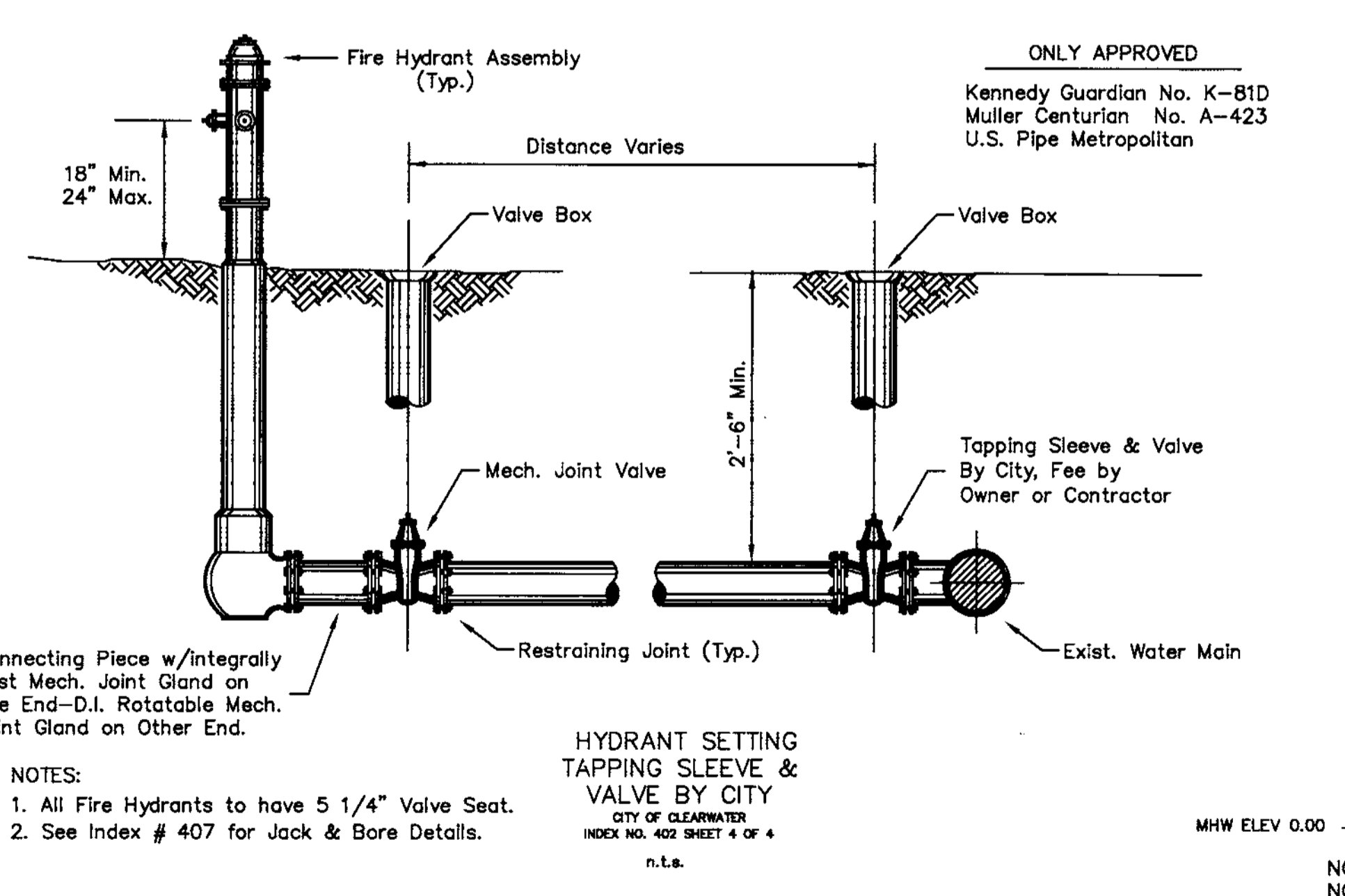
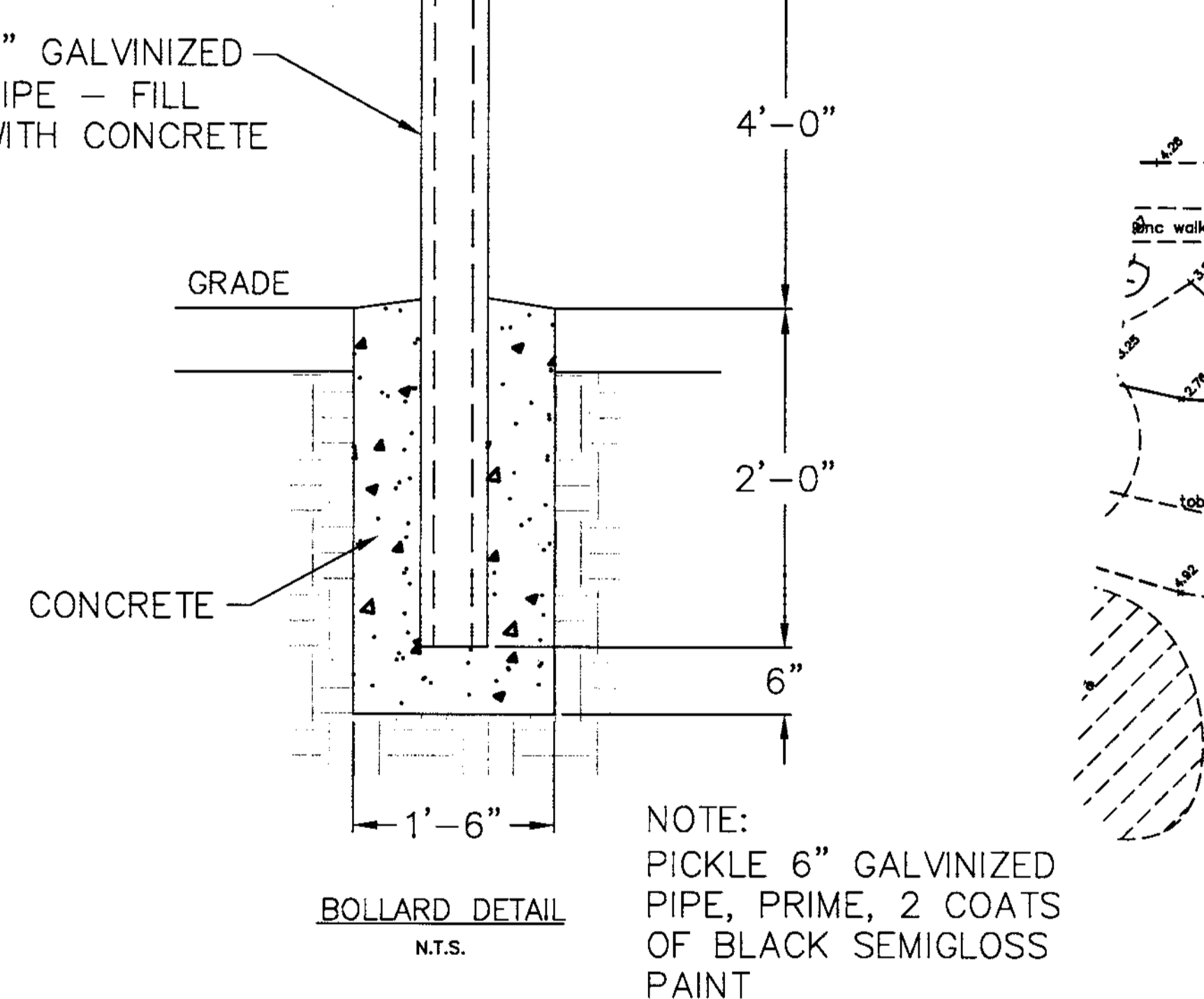
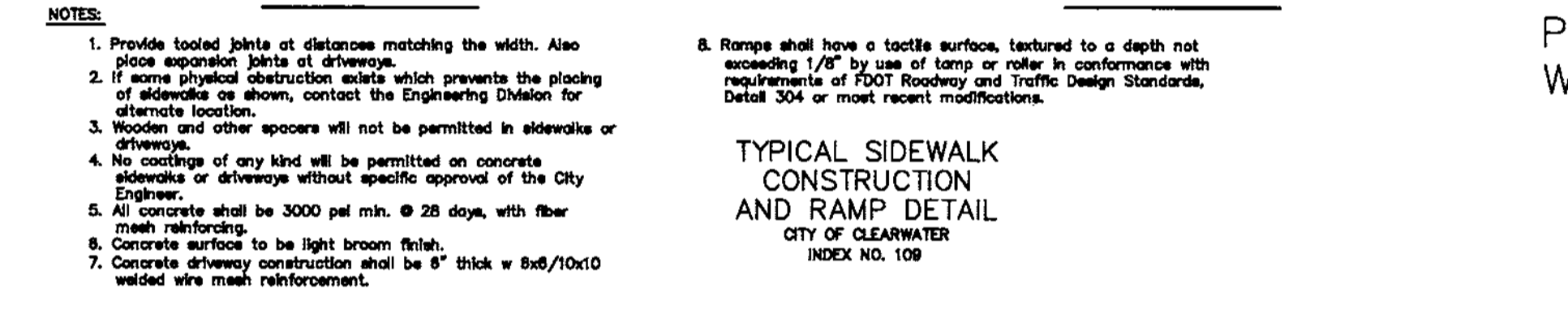
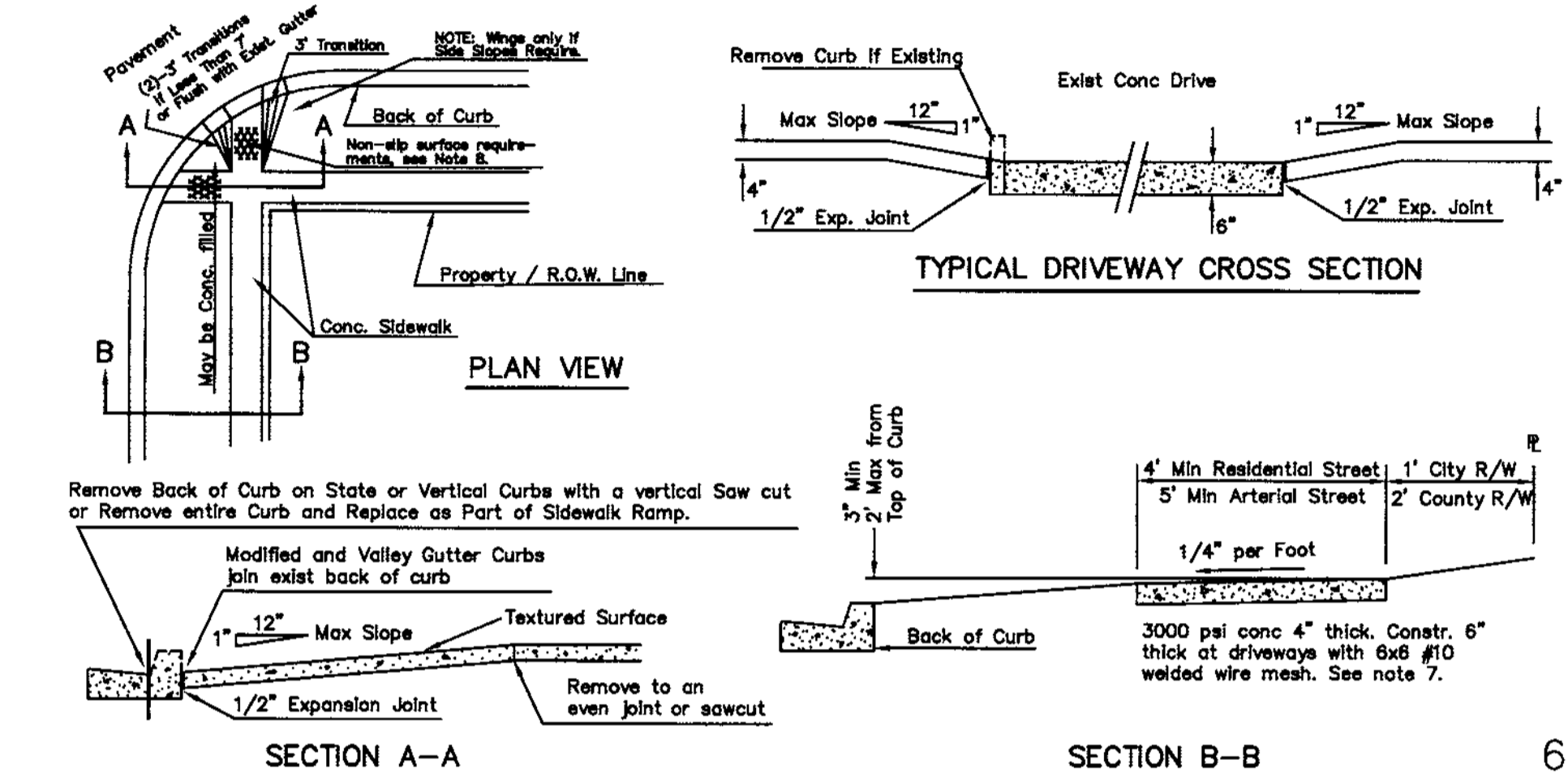
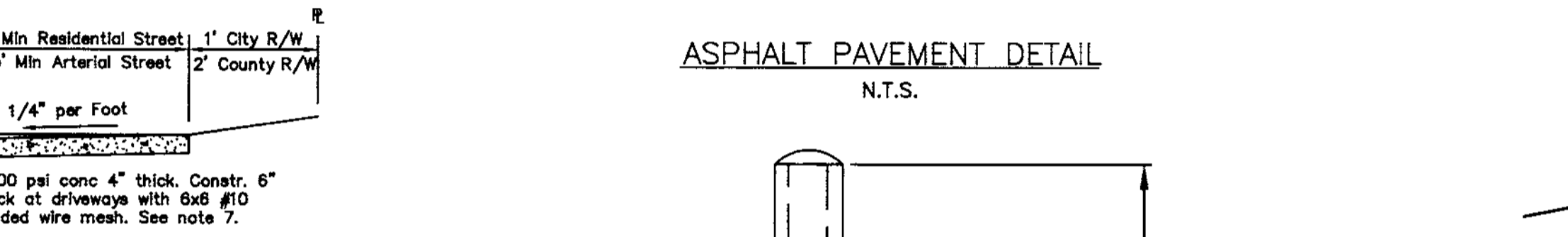
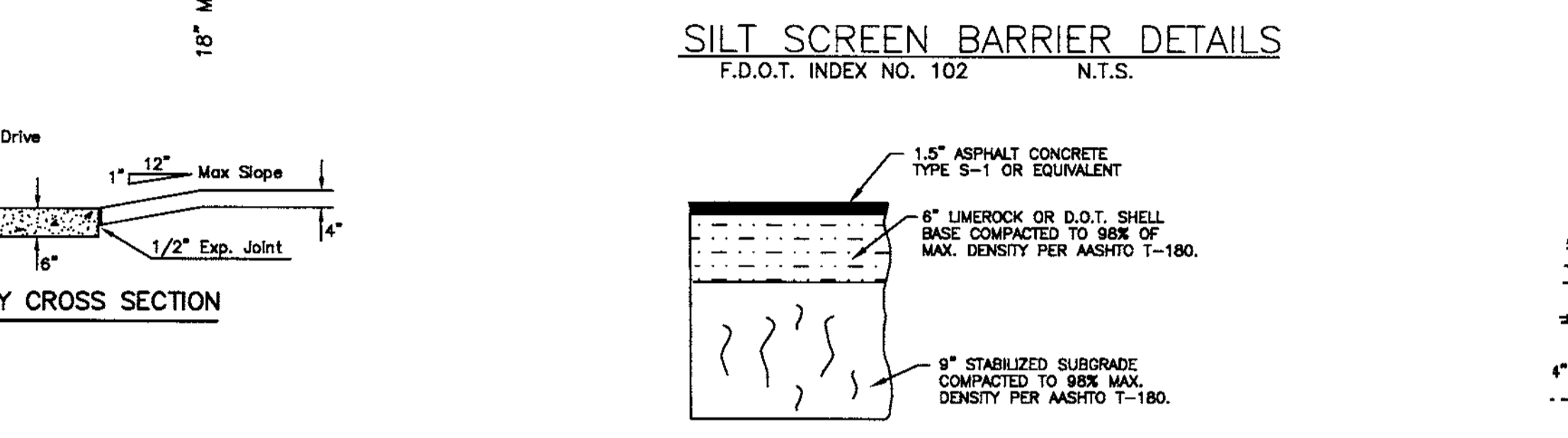
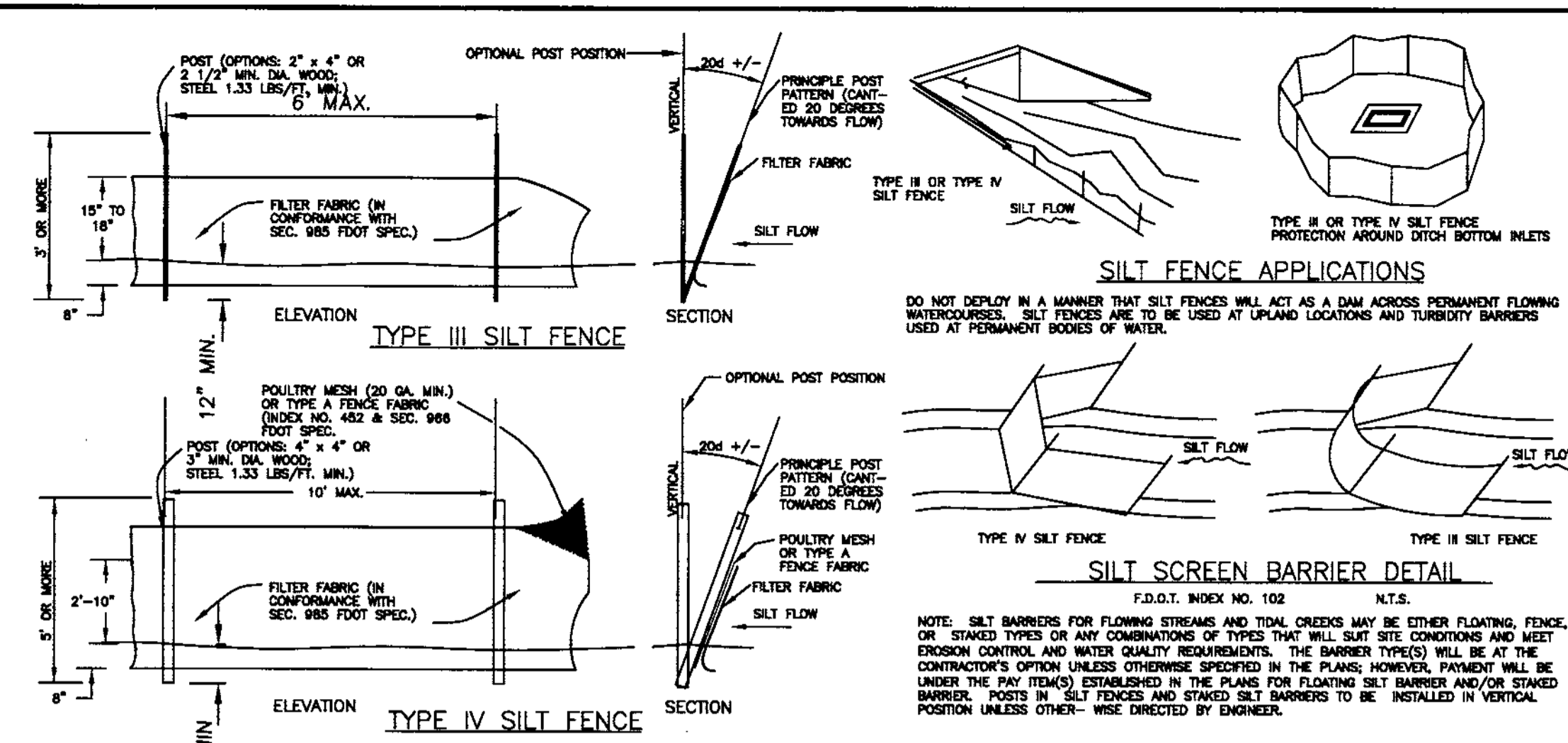
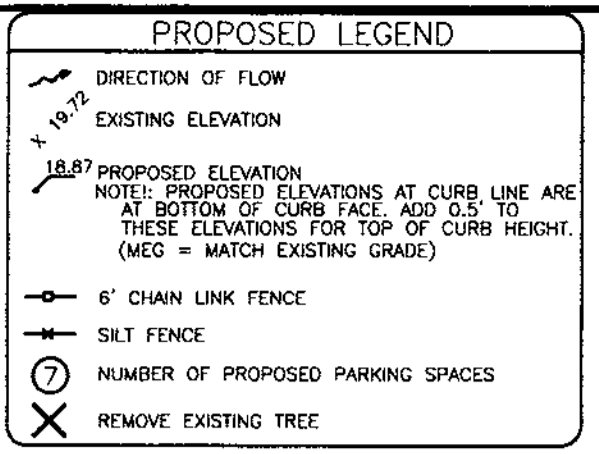
CITY OF CLEARWATER, FLORIDA PARKS & RECREATION DEPT. 100 S. Myrtle Ave. Clearwater, FL 33756

DEUEL & ASSOCIATES CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS 4625 EAST BAY DRIVE, SUITE 211, CLEARWATER, FL 33764

CLEARWATER BEACH LIBRARY & RECREATION CENTER CONSOLIDATION SPECIFICATIONS

Table with columns: DRAWN BY, DESIGNED BY, CHECKED BY, CLEARWATER CONTRACT NO., SCALE, SURVEYED BY, BOOK NO., DATE DRAWN, DWG NAME, SHEET NO. OF 4, DATE.

EXISTING LEGEND	
A/C	ARC
A/C	AIR CONDITIONER
AS	ASBESTOS
B/P	BACKFLOW PREVENTER DEVICE
C	CADRE
CD	CATCH BASIN
CE	CONCRETE
CEW	CONCRETE BLOCK WALL
CM	CONCRETE MOUNTMENT
CO	CLEAN-OUT
CONC	CONCRETE
CL	CHAIN LINK FENCE
CTV	CABLE TELEVISION
EL	ELECTRICAL
E.P.	DEPARTMENT OF ENVIRONMENTAL PROTECTION
F	FLOOR
F	FINDING
FIA	FIRE HYDRANT
FP	FIRE POWER CORPORATION
GI	GATE VALVE
GW	GUY WIRE
LD	LANDSCAPE
INC	INCORPORATED
IP	IRON PIPE
LR	LIQUOR
LB	LICENSED BUSINESS
LP	LIGHT POLE
M	MEASURED
M/S	MANHOLE
M/W	MEAN HIGH WATER LINE
MWD	MANHOLE COVER, WOOD, DRAIN
NAL	NAIL AND DISC
N/C	NUMBER
N/E	NEIGHBORHOOD ELECTRIC
O.R.B.	OFFICIAL RECORD BOOK
P.C.	POINT OF BEGINNING
P.O.C.	POINT ON CURVE
P.O.L.	POINT ON LINE
P.O.T.	POINT OF TANGENCY
R	RADIUS
R/C	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
R/W	RANGE
R/W	RANGE
S	SECTION
S	SQUARE FOOT
S.R.D.	STATE ROAD DEPARTMENT
T.O.B.	TOP OF BANK
T.O.S.	TOP OF SLOPE
T	TRANSFORMER
T	TRANSFORMER
T	TELEVISION
T	TRANSMITTER
U.P.	UTILITY POLE
W.F.	WOOD FENCE



**RECORD DRAWINGS**

SURVEYED BY	NOVO	DRAWN BY	
REVIEWED BY		DATE	
APPROVED BY		DATE	

**CITY OF CLEARWATER, FLORIDA**  
PARKS & RECREATION DEPT.  
100 S. Myrtle Ave.  
Clearwater, FL 33756

**DEUEL & ASSOCIATES**  
CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS  
4625 EAST BAY DRIVE, SUITE 211, CLEARWATER, FL 33764  
PH 727.822.4151 FAX 727.821.7255  
WWW.CFREDEUEL.NET  
CERTIFICATE OF AUTHORIZATION # 26320 LICENSED BUSINESS # 107

**CLEARWATER BEACH LIBRARY & RECREATION CENTER CONSOLIDATION DEMOLITION / DETAILS**

NOTE: This survey prepared by the City of Clearwater Engineering Department. The Horizontal Datum is Florida State Plane Coordinates, N.A.D 83-99, Florida West Zone. The Vertical Datum is the new City Benchmark network, N.A.V.D. 1988.

**REVISED PLANS RECEIVED**  
FEB 07 2008

**DEVELOPMENT & NEIGHBORHOOD SERVICES**  
CITY OF CLEARWATER

DRAWN BY	NOVO	DESIGNED BY	B.A.B.	CHECKED BY	A.P.C.	CLEARWATER CONTRACT NO.	07-0044-PR
SCALE	NONE	SURVEYED BY		BOOK NO.		CLEARWATER SHEET NO.	2007051
HORIZ.	1"=20'	DATE DRAWN	8/3/07	DWG NAME	2007-242	SHEET NO.	3 OF 4

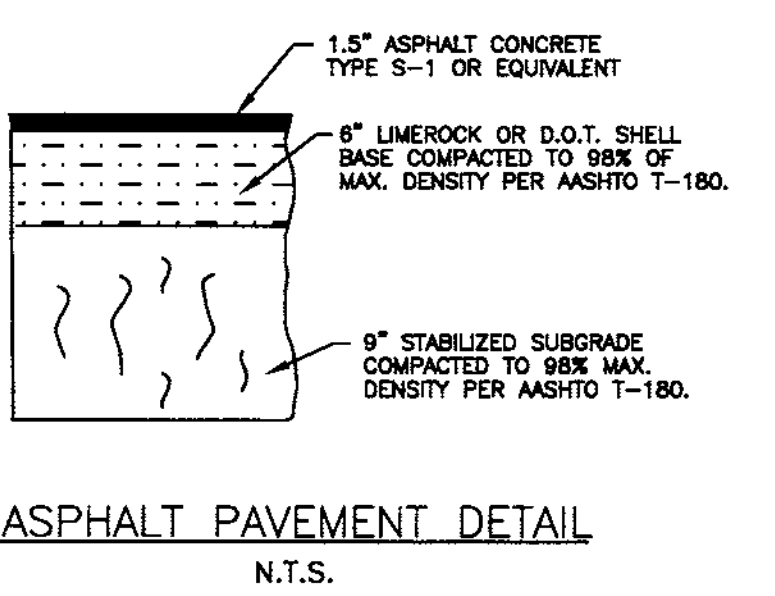
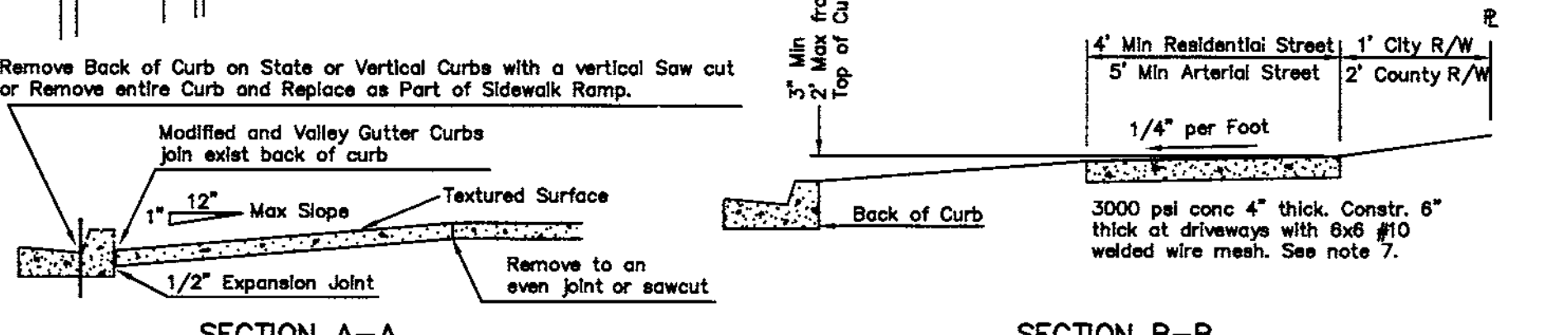
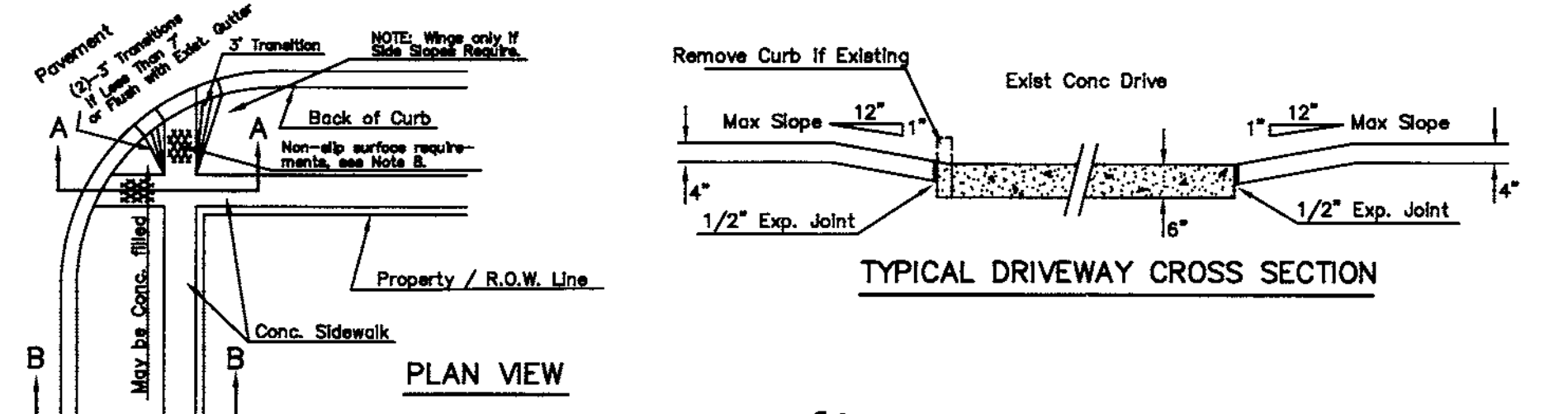
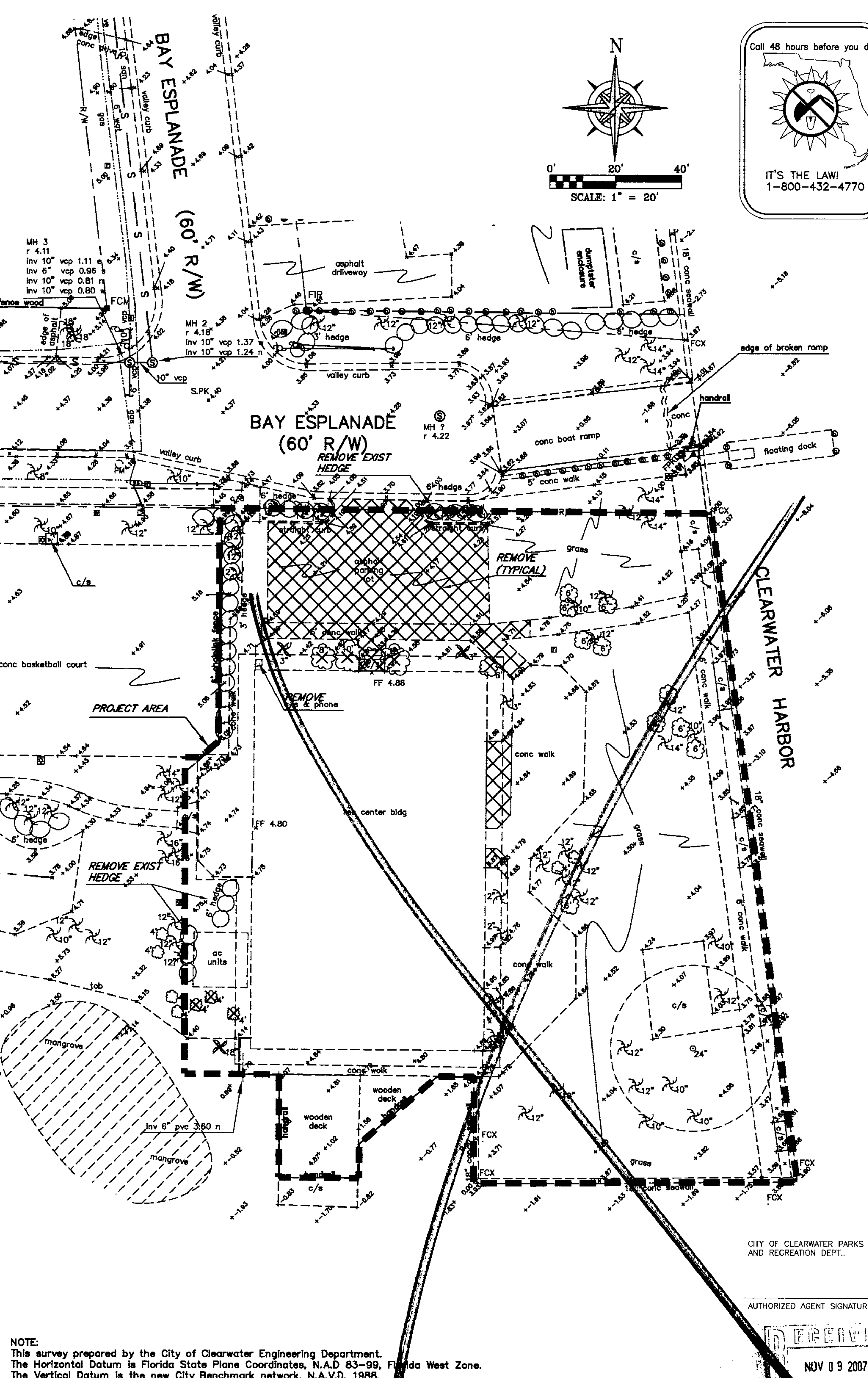
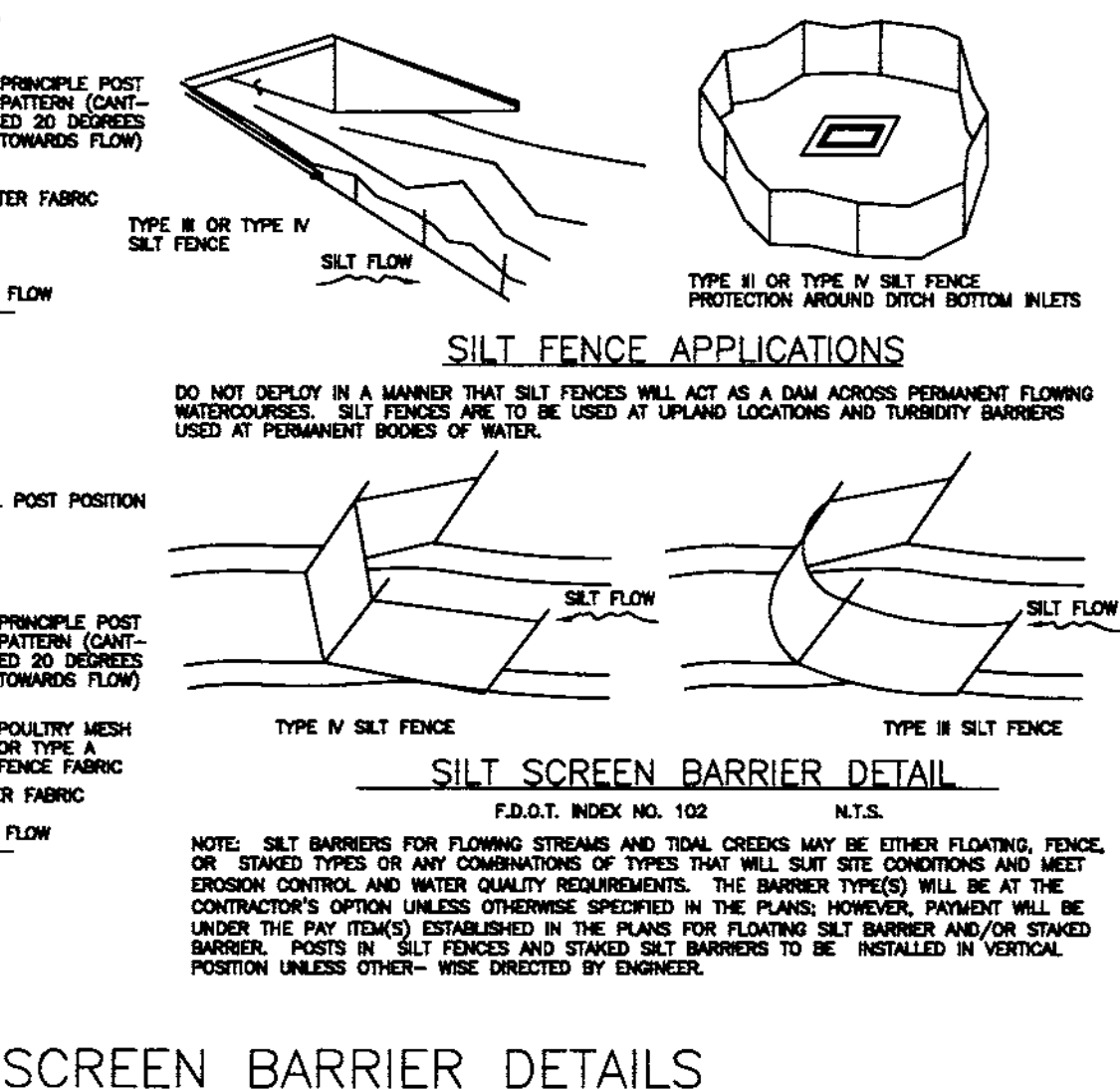
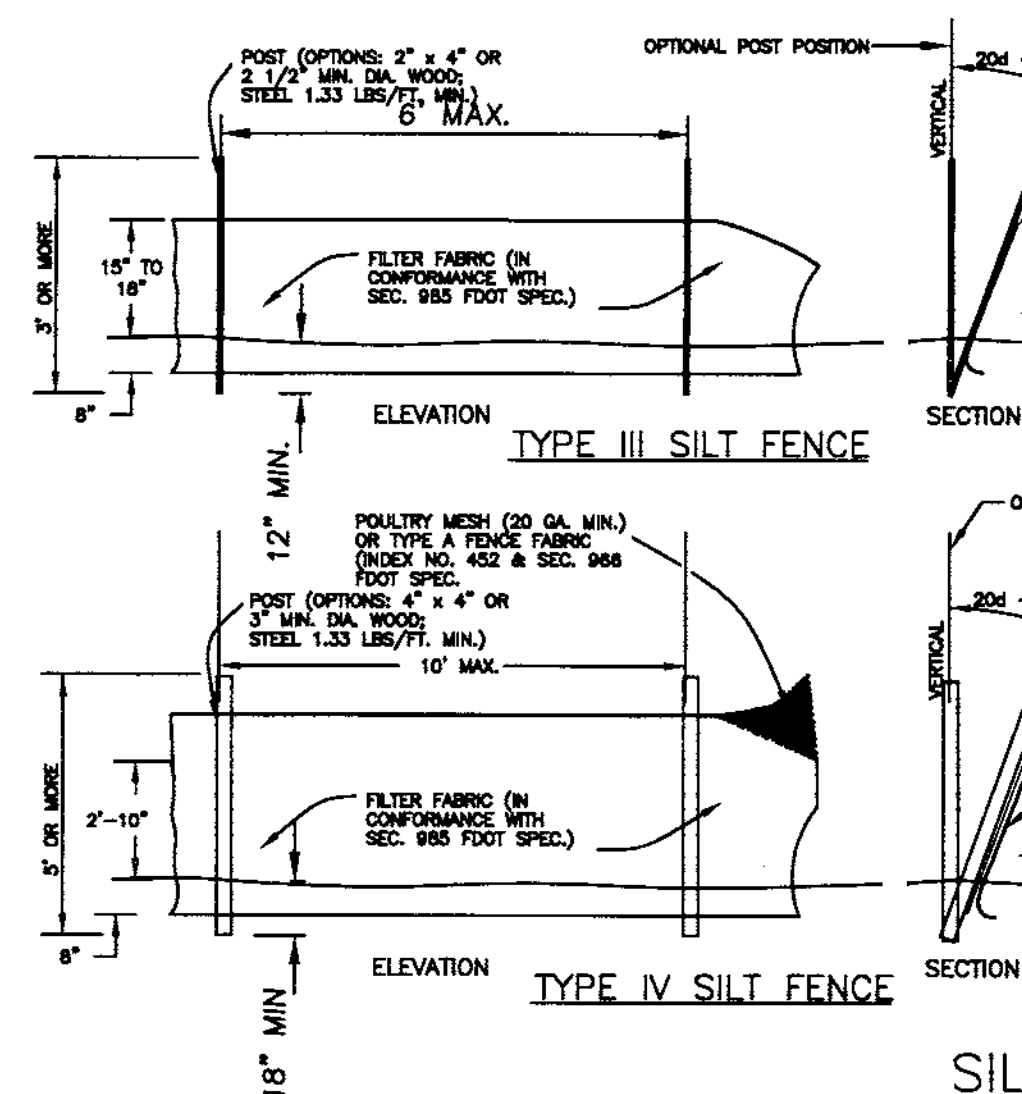
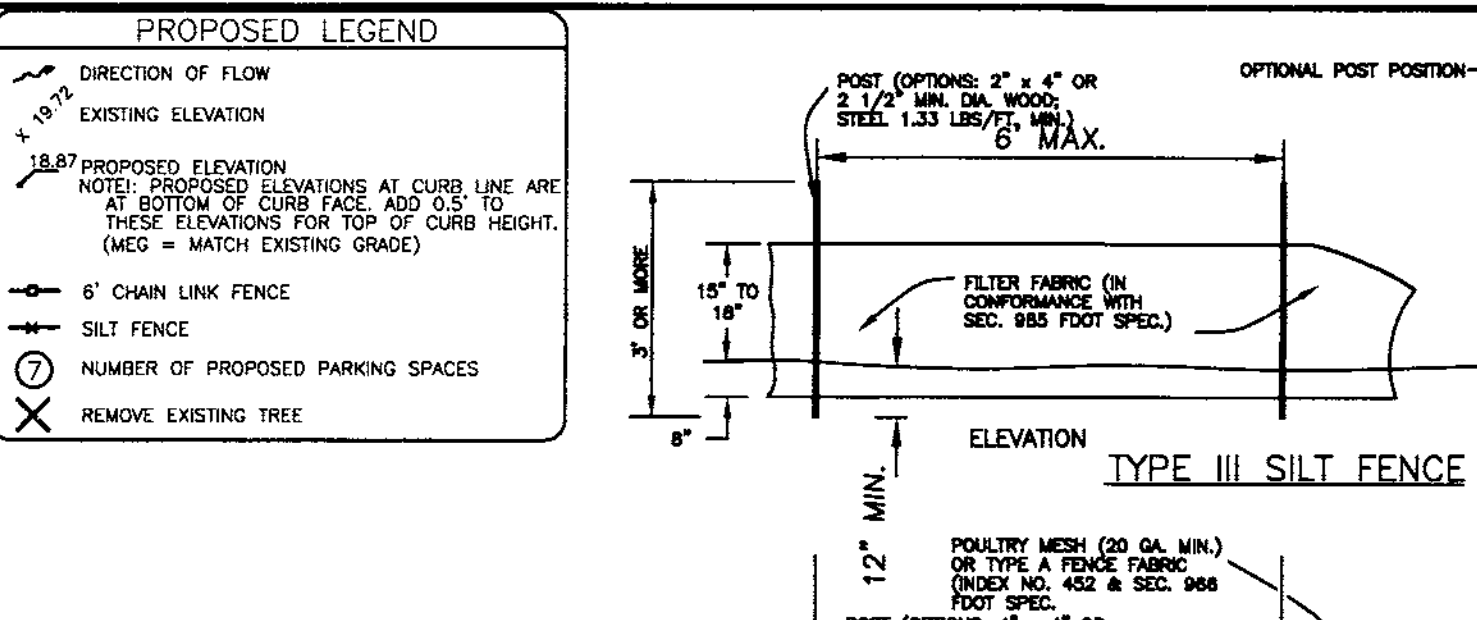
BRIAN A. BARKER, P.E. 56728 DATE 1/16/08

Jan 16, 2008 8:28am N:\CAD Projects\Projects\2007-242 Clearwater Beach Library\Drawings\2007-242.dwg



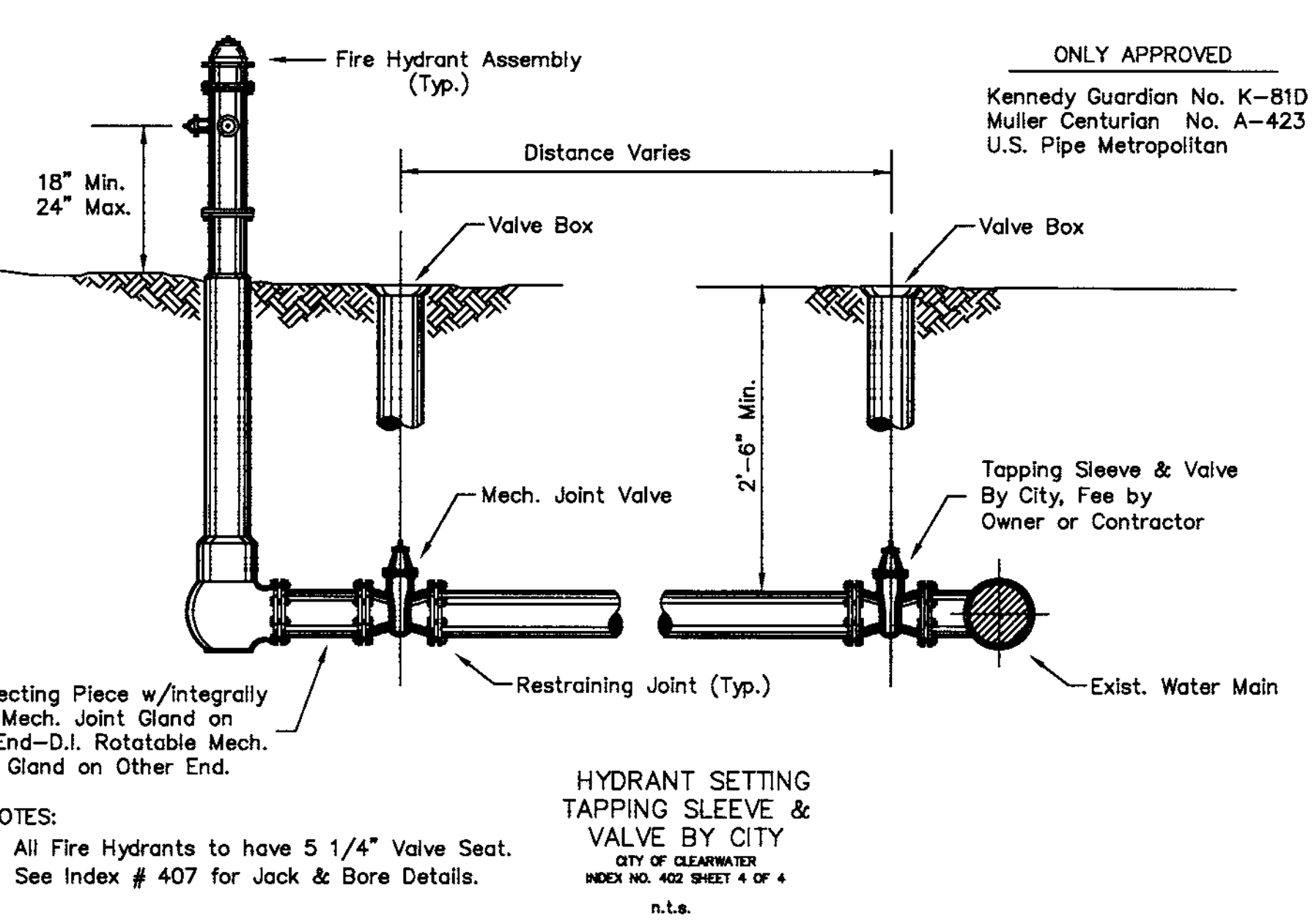
### EXISTING LEGEND

A/C	ARC CONDITIONER	M.S.	MANHOLE	M.H.	MEAN HIGH WATER LINE
B/P/D	BACKFLOW PREVENTER DEVICE	M.S.E.	METAL AND DISC	M.I.	MASONRY
C/B	CHIMNEY	N.W.D.	NATIONAL WOODS	N.D.S.	NATIONAL POWER VERTICAL DATUM
C/B	CATCH BASIN	N.O.	NUMBER	N.O.S.	NON-ORIENTED ELECTRIC
C/B	CATCH BASIN	N.O.S.	NUMBER	O.P.B.	OPTICAL RECORD BOOK
C.B.	CONCRETE BLOCK WALL	P.C.	POINT OF CURVE	P.O.B.	POINT OF BEGINNING
C.C.A.	CONCRETE CURB	P.C.M.	POINT OF BEGINNING	P.O.C.	POINT OF CURVE
C.C.	CONCRETE	P.D.T.	POINT OF TANGENCY	P.D.T.	POINT OF TANGENCY
C.C.	CONCRETE	R	RADIUS	R	RANGE
C.C.	CONCRETE	R/C	REINFORCED CONCRETE	R/W	RIGHT OF WAY
C.C.	CONCRETE	R/S	RANGE	R/S	RANGE
C.C.	CONCRETE	R/S	RANGE	R/S	RANGE
C.C.	CONCRETE	R/S	RANGE	R/S	RANGE
C.C.	CONCRETE	R/S	RANGE	R/S	RANGE
C.C.	CONCRETE	R/S	RANGE	R/S	RANGE
C.C.	CONCRETE	R/S	RANGE	R/S	RANGE
C.C.	CONCRETE	R/S	RANGE	R/S	RANGE
C.C.	CONCRETE	R/S	RANGE	R/S	RANGE



- NOTES:**
- Provide locked joints at distance matching the width. Also place expansion joints at driveway.
  - If any physical obstruction exists which prevents the placing of sidewalks as shown, contact the Engineering Division for alternate location.
  - Wooden and other spacers will not be permitted in sidewalks or driveways.
  - No coatings of any kind will be permitted on concrete sidewalks or driveways without specific approval of the City Engineer.
  - All concrete shall be 3000 psi min. @ 28 days, with fiber mesh reinforcement.
  - Concrete surface to be light broom finish.
  - Concrete driveway construction shall be 6" thick w/ 6x6/10x10 welded wire mesh reinforcement.

8. Ramps shall have a tactile surface, textured to a depth not exceeding 1/8" by use of tamp or roller in conformance with requirements of DOT Roadway and Traffic Design Standards, Detail 304 or most recent modifications.



- NOTES:**
- All Fire Hydrants to have 5 1/4" Valve Seat.
  - See Index # 407 for Jack & Bore Details.

**NOTE:** This survey prepared by the City of Clearwater Engineering Department. The Horizontal Datum is Florida State Plane Coordinates, N.A.D. 83-99, Florida West Zone. The Vertical Datum is the new City Benchmark network, N.A.V.D. 1988.

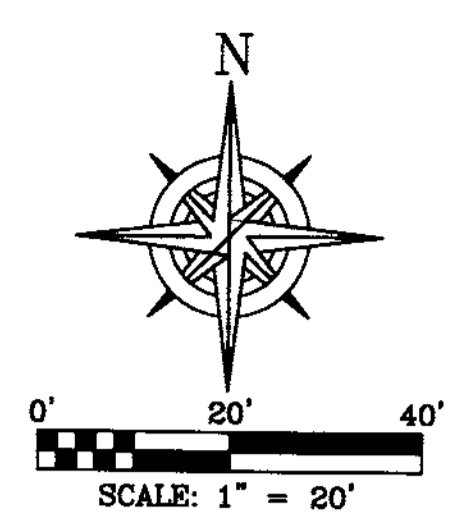
RECORD DRAWINGS		CITY OF CLEARWATER, FLORIDA PARKS & RECREATION DEPT. 100 S. Myrtle Ave. Clearwater, FL 33756	DEUEL & ASSOCIATES CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS 4625 EAST BAY DRIVE, SUITE 211, CLEARWATER, FL 33764 PH 727.822.4151 FAX 727.821.7255 WWW.CFREDEUEL.NET CERTIFICATE OF AUTHORIZATION # 26320 LICENSED BUSINESS # 107		CLEARWATER BEACH LIBRARY & RECREATION CENTER CONSOLIDATION DEMOLITION / DETAILS		CITY OF CLEARWATER PARKS AND RECREATION DEPT. AUTHORIZED AGENT SIGNATURE FOR CSMW NOV 09 2007 BRIAN A. BARKER, P.E. 56728 DATE 11/8/07	
SURVEYED BY	DRAWN BY		DESIGNED BY	DATE	SCALE	HORIZ.	VERT.	DATE
PROJECT ENGINEER		DESIGNED BY		HORIZ. 1"=20'	NONE	NONE	DATE DRAWN 8/3/07	
APPROVED BY	DATE	CITY ENGINEER	DATE	CONTRACT NO. 07-0044-PR		DRAWING NO. 2007051		
CITY ENGINEER MICHAEL D. GALLI, P.E. # 33721				SHEET NO. 3 OF 4				

**EXISTING LEGEND**

A	ARC	M.W.	MANGROVE
A/C	AIR CONDITIONER	M.S.C.	MISCELLANEOUS
AC	ACRES	M.H.	MAN HOLE
AC	BACKFLOW PREVENTER DEVICE	M.W.	MEAN HIGH WATER LINE
CHD	CHD	M.S.D.	MASK AND DISC
(C)	CALCULATED	N.E.D.	NATIONAL ELECTRIC DATA
C.B.	CHORD BEARING	O.A.	OVERHEAD ELECTRIC
C.B.M.	CONCRETE BLOCK WALL	O.R.B.	OFFICIAL RECORD BOOK
C.C.	CONCRETE	P.C.	POINT OF CURVE
C.C.	CONCRETE MONUMENT	P.O.B.	POINT OF BEGINNING
C.F.	CONTINUOUS	P.O.C.	POINT ON CURVE
C.L.F.	CHAIN LINK FENCE	P.O.L.	POINT ON LINE
C.V.	CABLE TELEVISION	P.O.T.	POINT OF TANGENCY
(D)	DEED	R.	RADIUS
D.E.P.	DEPARTMENT OF ENVIRONMENTAL PROTECTION	R.C.	RECORD
E.L.	ELEVATION	R.C.P.	REINFORCED CONCRETE PIPE </td
F.	FIND	R/W	RIGHT OF WAY
F.F.	FINISHED FLOOR	R/W	RANGE
F.H.	FIRE HYDRANT	S.	SET
F.P.C.	FLORIDA POWER CORPORATION	S.A.	SANITARY
G.	GATE	S.E.	SECTION
G.V.	GATE VALVE	S.F.	SQUARE FEET
G.W.	GUY WIRE	S.F.D.	STATE ROAD DEPARTMENT
I.D.	IDENTIFICATION	T.O.B.	TOP OF BANK
I.C.	INCORPORATED	T.O.S.	TOP OF SLOPE
I.P.	IRON PIPE	T.S.	TRANSFORMER
I.R.	IRON ROD	T.V.	TELEVISION
L.B.	LICENSED BUSINESS	T.W.P.	TOWNSHIP
L.P.	LIGHT POLE	U.P.	UTILITY POLE
(M)	MEASURED	W.F.	WOOD FENCE

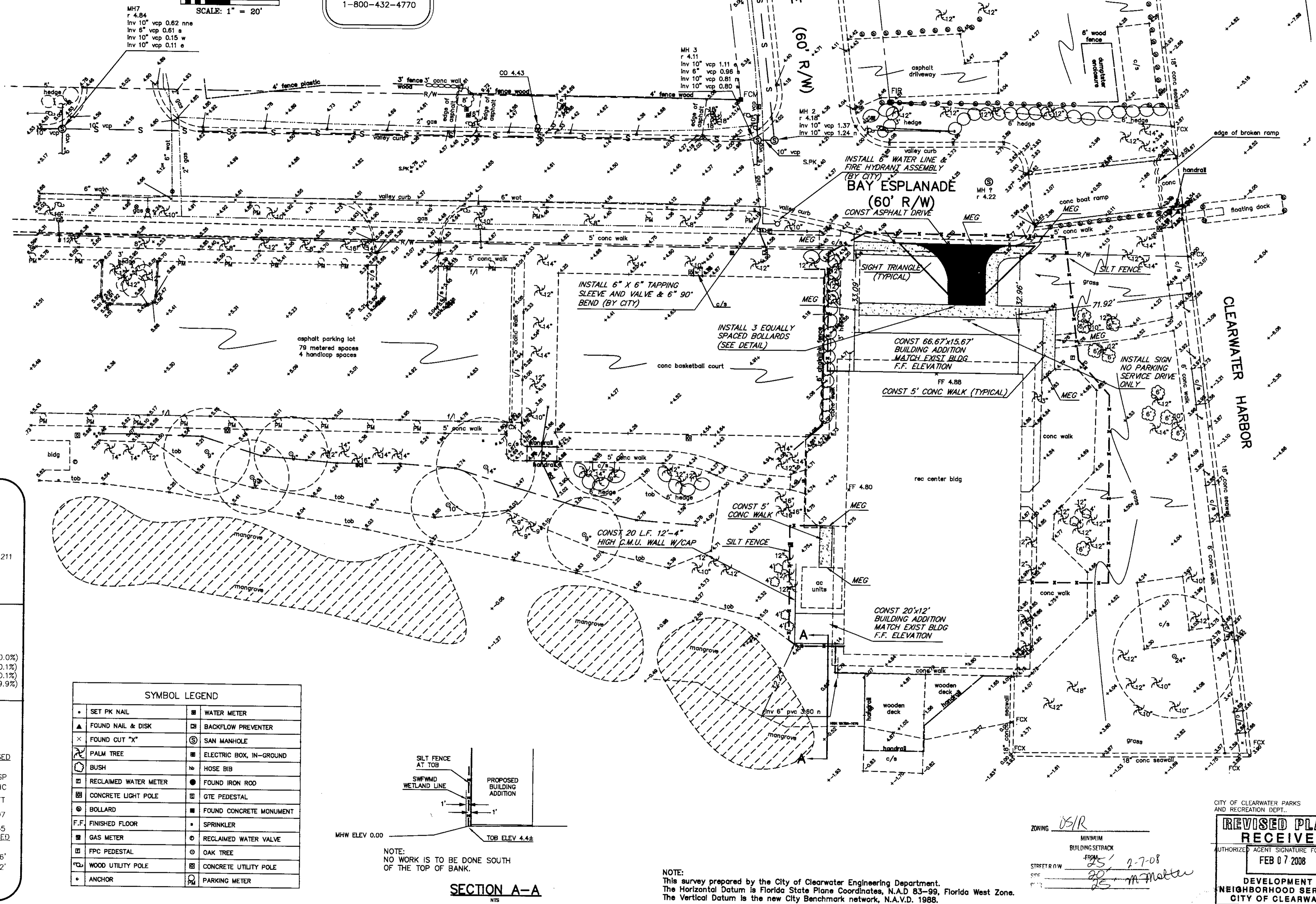
**PROPOSED LEGEND**

→	DIRECTION OF FLOW
—	EXISTING ELEVATION
—	PROPOSED ELEVATION
—	NOTE: PROPOSED ELEVATIONS AT CURB LINE ARE AT BOTTOM OF CURB FACE. ADD 0.5' TO THESE ELEVATIONS FOR TOP OF CURB HEIGHT. (MEG = MATCH EXISTING GRADE)
—	SILT FENCE
○	NUMBER OF PROPOSED PARKING SPACES
×	REMOVE EXISTING TREE



Call 48 hours before you dig!

IT'S THE LAW!  
1-800-432-4770



**SITE DATA TABLE:**  
CLEARWATER BEACH RECREATION CENTER  
75 BAY ESPLANADE  
CLEARWATER, FLORIDA

PROPERTY OWNER:	CIVIL ENGINEER & SURVEYOR:
CITY OF CLEARWATER	DEUEL & ASSOCIATES
PARKS & RECREATION DEPARTMENT	4625 EAST BAY DRIVE, SUITE 211
P.O. BOX 4748	CLEARWATER, FLORIDA 33764
CLEARWATER, FLORIDA 33758-4748	(727) 822-4151 - TEL
TELEPHONE # (727) 562-4800	(727) 821-7255 - FAX
FAX # (727) 562-4825	

**FLOOD ZONE:** AE (EL 11)  
MAP PANEL NO: 12103C0102C  
REVISED MAP: 09-03-03

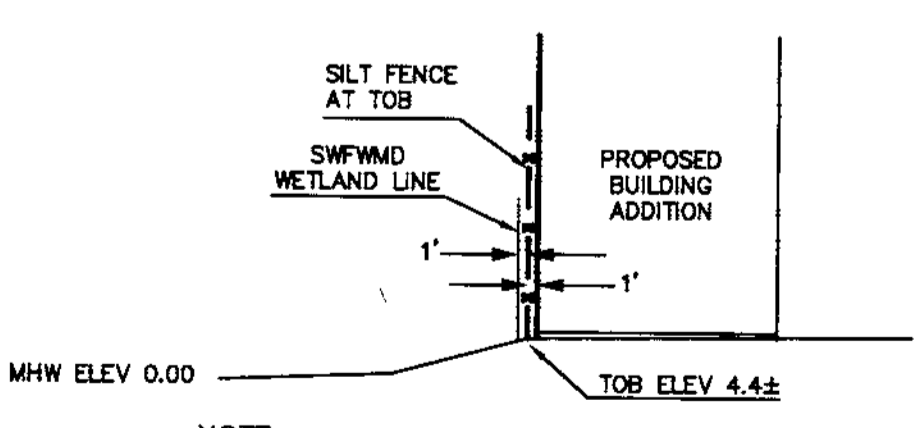
<b>PROJECT AREA SUMMARY &amp; SITE DATA:</b>	EXISTING	PROPOSED
TOTAL BUILDING AREA	= 8,398 SF(25.9%)	9,736 SF(30.0%)
TOTAL ASPHALT/CONC/SHELL AREA	= 11,721 SF(36.2%)	9,774 SF(30.1%)
TOTAL IMPERVIOUS AREA	= 20,119 SF(62.1%)	19,510 SF(60.1%)
TOTAL GREEN AREA	= 12,276 SF(37.9%)	12,884 SF(39.9%)
TOTAL PROJECT AREA	= 32,395 SF (0.74 AC)	

**ZONING:** OS/R  
**PROPOSED USE:** RECREATION AND LIBRARY  
**PIN:** 05/29/15/00000/330/0100  
**PARCEL ARE:** 4.20 ACRES M.O.L.

	EXISTING	PROPOSED
DWELLING UNITS	0	0
NUMBER OF PARKING SPACES: (65 REQ.)	132 SP	126 SP
NUMBER OF H.C. PARKING SPACES:	4 HC	4 HC
BUILDING HEIGHT:	<30 FT	<30 FT
F.A.R.:	0.06	0.07
I.S.R.:	0.55	0.55
	REQUIRED	PROPOSED
SETBACKS		
NORTH	25'	32.96'
EAST	10'	71.92'

**SYMBOL LEGEND**

•	SET PK NAIL	■	WATER METER
▲	FOUND NAIL & DISK	□	BACKFLOW PREVENTER
×	FOUND CUT "X"	⊙	SAN MANHOLE
⊗	PALM TREE	■	ELECTRIC BOX, IN-GROUND
⊙	BUSH	h	HOSE BIB
■	RECLAIMED WATER METER	●	FOUND IRON ROD
■	CONCRETE LIGHT POLE	■	GTE PEDESTAL
⊙	BOLLARD	■	FOUND CONCRETE MONUMENT
F.F.	FINISHED FLOOR	•	SPRINKLER
■	GAS METER	○	RECLAIMED WATER VALVE
■	FPC PEDESTAL	○	OAK TREE
■	WOOD UTILITY POLE	■	CONCRETE UTILITY POLE
•	ANCHOR	■	PARKING METER



NOTE:  
This survey prepared by the City of Clearwater Engineering Department.  
The Horizontal Datum is Florida State Plane Coordinates, N.A.D. 83-99, Florida West Zone.  
The Vertical Datum is the new City Benchmark network, N.A.V.D. 1988.

ZONING: OS/R  
MINIMUM BUILDING SETBACK FROM: 25' 2-7-08  
DATE: 8/3/07  
BY: M. Matter

CITY OF CLEARWATER PARKS AND RECREATION DEPT.  
**REVISED PLANS RECEIVED**  
AUTHORIZED AGENT SIGNATURE FOR CSWM  
FEB 07 2008  
DEVELOPMENT & NEIGHBORHOOD SERVICES  
CITY OF CLEARWATER

**RECORD DRAWINGS**

SURVEYED BY	DRAWN BY
REVIEWED BY	DATE
PROJECT ENGINEER	DATE
APPROVED BY	DATE
CITY ENGINEER MICHAEL D. GARDIA, P.E. # 33721	DATE

1. MOVED SOUTHERN BLDG. ADDITION, ADDED SECTION A-A	Nov 12/19/07
REVISION	BY DATE

CITY OF CLEARWATER, FLORIDA  
PARKS & RECREATION DEPT.  
100 S. Myrtle Ave.  
Clearwater, FL 33756

**DEUEL & ASSOCIATES**  
CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS  
4625 EAST BAY DRIVE, SUITE 211, CLEARWATER, FL 33764  
PH: 727.822.4151 FAX: 727.821.7255  
WWW.CFREDEUEL.NET  
CERTIFICATE OF AUTHORIZATION # 26320 LICENSED BUSINESS # 107

**CLEARWATER BEACH LIBRARY & RECREATION CENTER CONSOLIDATION SITE PLAN / CSWM PLAN**

DRAWN BY	DESIGNED BY	CHECKED BY	CLEARWATER CONTRACT NO.
Novo	B.A.B.	A.P.C.	07-0044-PR
SCALE	SURVEYED BY	BOOK NO.	CLEARWATER JOB NO.
NONE	Clearwater		2007051
HORIZ. 1"=20'	DATE DRAWN	DWG NAME	SHEET NO.
	8/3/07	2007-242	4 OF 4
BRIAN A. BARKER, P.E. 56728			DATE
			11/6/08

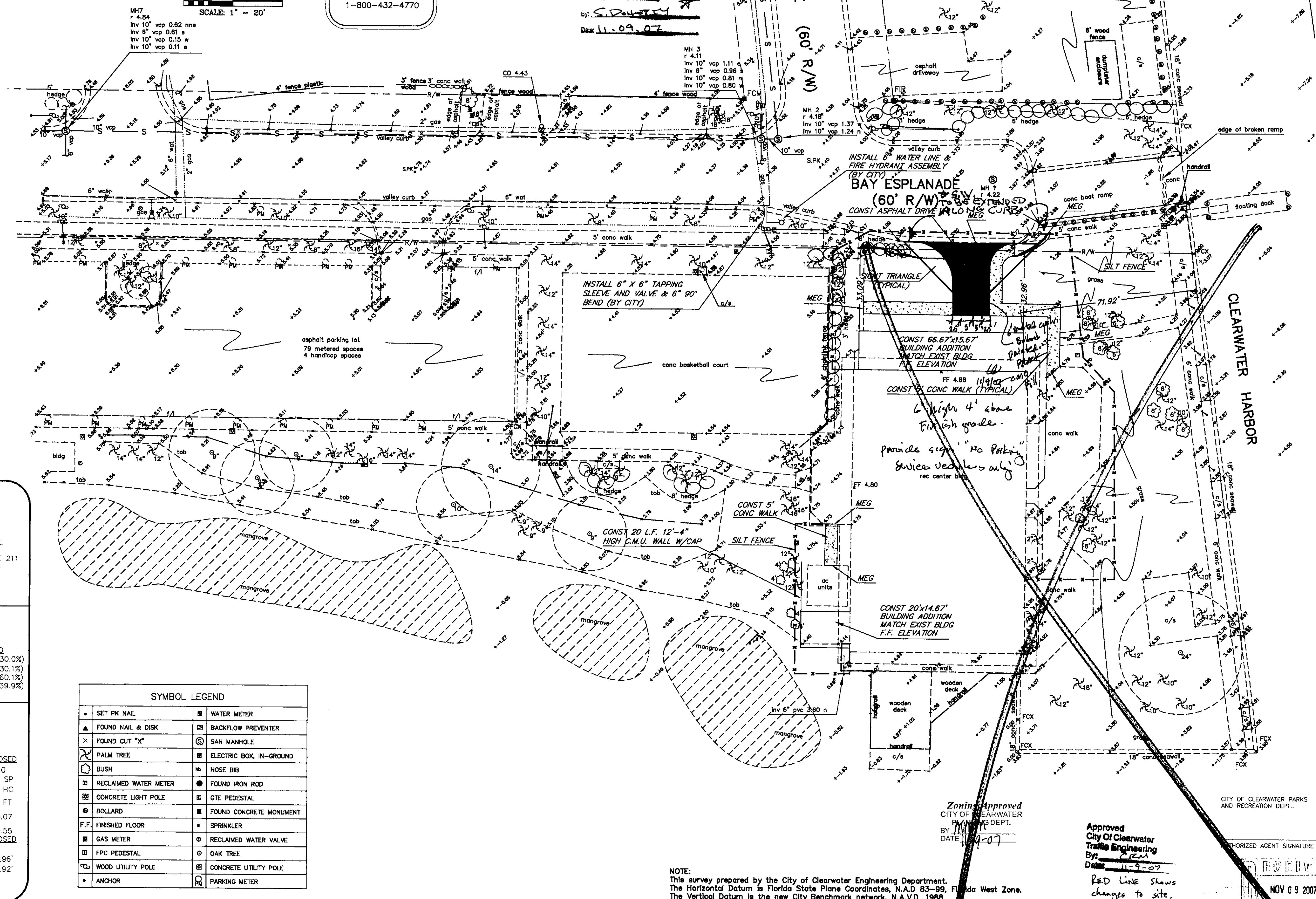
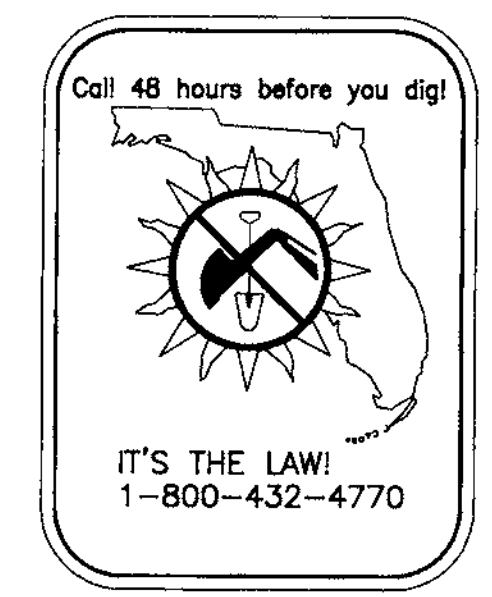
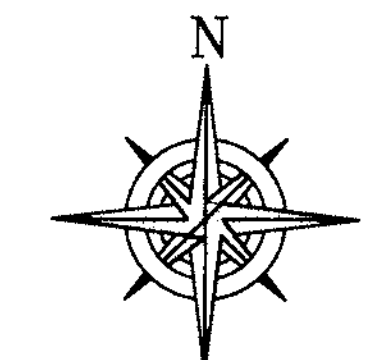
10-16-2008 8:08am X:\Data\Projects\2007\242-Clearwater Beach Library\2007-242.dwg  
 10-16-2008 8:08am X:\Data\Projects\2007\242-Clearwater Beach Library\2007-242.dwg

**EXISTING LEGEND**

A/C	ARC	M.C.	MISCELLANEOUS
AC	ACRES	M.W.	MEAN HIGH WATER LINE
BPFD	BACKFLOW PREVENTER DEVICE	M.S.	MISCELLANEOUS
C	CHORD	M.D.	MISCELLANEOUS
CD	CATCH BASIN	N.D.	NO DATA
C.R.	CONCRETE BLOCK WALL	O.V.E.	OVERHEAD ELECTRIC
C.M.	CONCRETE MONUMENT	P.C.	POINT OF CURVE
CO	CONCRETE	P.O.B.	POINT OF BEGINNING
CO.	CLEAR-OUT	P.O.C.	POINT ON CURVE
CLT	CHAIN LINK FENCE	P.O.L.	POINT OF LINE
CTV	CABLE TELEVISION	P.O.T.	POINT OF TANGENCY
DI	DITCH	R	RADIUS
D.E.P.	DEPARTMENT OF ENVIRONMENTAL PROTECTION	R.C.	REINFORCED CONCRETE PIPE
EL	ELEVATION	R/W	RIGHT OF WAY
F.F.	FINISHED FLOOR	SAN	SANITARY
F.P.	FIRE HYDRANT	S.E.	SECTION
F.P.C.	FLUOROPOLYMER CORPORATION	S.F.	SECTION FEET
G.M.	GRATE INLET	S.M.	STATE ROAD DEPARTMENT
G.M.	GATE VALVE	S.S.	STATE ROAD DEPARTMENT
I.D.	IDENTIFICATION	T.O.B.	TOP OF BANK
I.P.	IRON PIPE	T.S.	TRANSFORMER
I.R.	IRON ROD	T.V.	TELEVISION
L.B.	LICENSED BUSINESS	T.W.P.	TOWNSHIP
L.F.	LIGHT POLE	U.S.P.	UTILITY POLE
M	MEASURED	W.F.	WOOD FENCE

**PROPOSED LEGEND**

→	DIRECTION OF FLOW
—	EXISTING ELEVATION
- - -	PROPOSED ELEVATION
—	NOTE: PROPOSED ELEVATIONS AT CURB LINE ARE AT BOTTOM OF CURB FACE. ADD 0.3' TO THESE ELEVATIONS FOR TOP OF CURB HEIGHT. (MEG = MATCH EXISTING GRADE)
—	SILT FENCE
—	NUMBER OF PROPOSED PARKING SPACES
—	REMOVE EXISTING TREE



**SITE DATA TABLE:**  
CLEARWATER BEACH RECREATION CENTER  
75 BAY ESPLANADE  
CLEARWATER, FLORIDA

**PROPERTY OWNER:**  
CITY OF CLEARWATER  
PARKS & RECREATION DEPARTMENT  
P.O. BOX 4748  
CLEARWATER, FLORIDA 33758-4748  
TELEPHONE # (727) 562-4800  
FAX # (727) 562-4825

**CIVIL ENGINEER & SURVEYOR:**  
DEUEL & ASSOCIATES  
4625 EAST BAY DRIVE, SUITE 211  
CLEARWATER, FLORIDA 33764  
(727) 822-4151-TEL  
(727) 821-7255-FAX

**FLOOD ZONE:** AE (EL 11)  
MAP PANEL NO: 12103C0102G  
REVISED MAP: 09-03-03

PROJECT AREA SUMMARY & SITE DATA:		EXISTING	PROPOSED
TOTAL BUILDING AREA	=	8,398 SF (25.9%)	9,736 SF (30.0%)
TOTAL ASPHALT/CONC/SHELL AREA	=	11,721 SF (36.2%)	9,774 SF (30.1%)
TOTAL IMPERVIOUS AREA	=	20,119 SF (62.1%)	19,510 SF (60.1%)
TOTAL GREEN AREA	=	12,276 SF (37.9%)	12,884 SF (39.9%)
TOTAL PROJECT AREA	=	32,395 SF (0.74 AC)	

**ZONING:** OS/R  
**PROPOSED USE:** RECREATION AND LIBRARY  
**PIN:** 05/29/15/00000/330/0100  
**PARCEL ARE:** 4.20 ACRES M.O.L.

	EXISTING	PROPOSED
DWELLING UNITS	0	0
NUMBER OF PARKING SPACES: (65 REQ.)	132 SP	126 SP
NUMBER OF H.C. PARKING SPACES:	4 HC	4 HC
BUILDING HEIGHT:	<30 FT	<30 FT
F.A.R.:	0.06	0.07
I.S.R.:	0.55	0.55
SETBACKS	REQUIRED	PROPOSED
NORTH:	25'	32.96'
EAST:	10'	71.92'

**SYMBOL LEGEND**

•	SET PK NAIL	■	WATER METER
▲	FOUND NAIL & DISK	□	BACKFLOW PREVENTER
×	FOUND OUT "X"	⊙	SAN MANHOLE
⊗	PALM TREE	■	ELECTRIC BOX, IN-GROUND
⊖	BUSH	⊕	HOSE BIB
■	RECLAIMED WATER METER	●	FOUND IRON ROD
■	CONCRETE LIGHT POLE	□	GTE PEDESTAL
⊙	BOLLARD	■	FOUND CONCRETE MONUMENT
F.F.	FINISHED FLOOR	•	SPRINKLER
■	GAS METER	○	RECLAIMED WATER VALVE
■	FPC PEDESTAL	○	OAK TREE
□	WOOD UTILITY POLE	■	CONCRETE UTILITY POLE
•	ANCHOR	□	PARKING METER

**NOTE:**  
This survey prepared by the City of Clearwater Engineering Department.  
The Horizontal Datum is Florida State Plane Coordinates, N.A.D. 83-99, Florida West Zone.  
The Vertical Datum is the new City Benchmark network, N.A.V.D. 1988.

Zoning Approved  
CITY OF CLEARWATER  
PLANNING DEPT.  
BY: [Signature]  
DATE: 11-9-07

Approved  
City of Clearwater  
Traffic Engineering  
By: [Signature]  
Date: 11-9-07

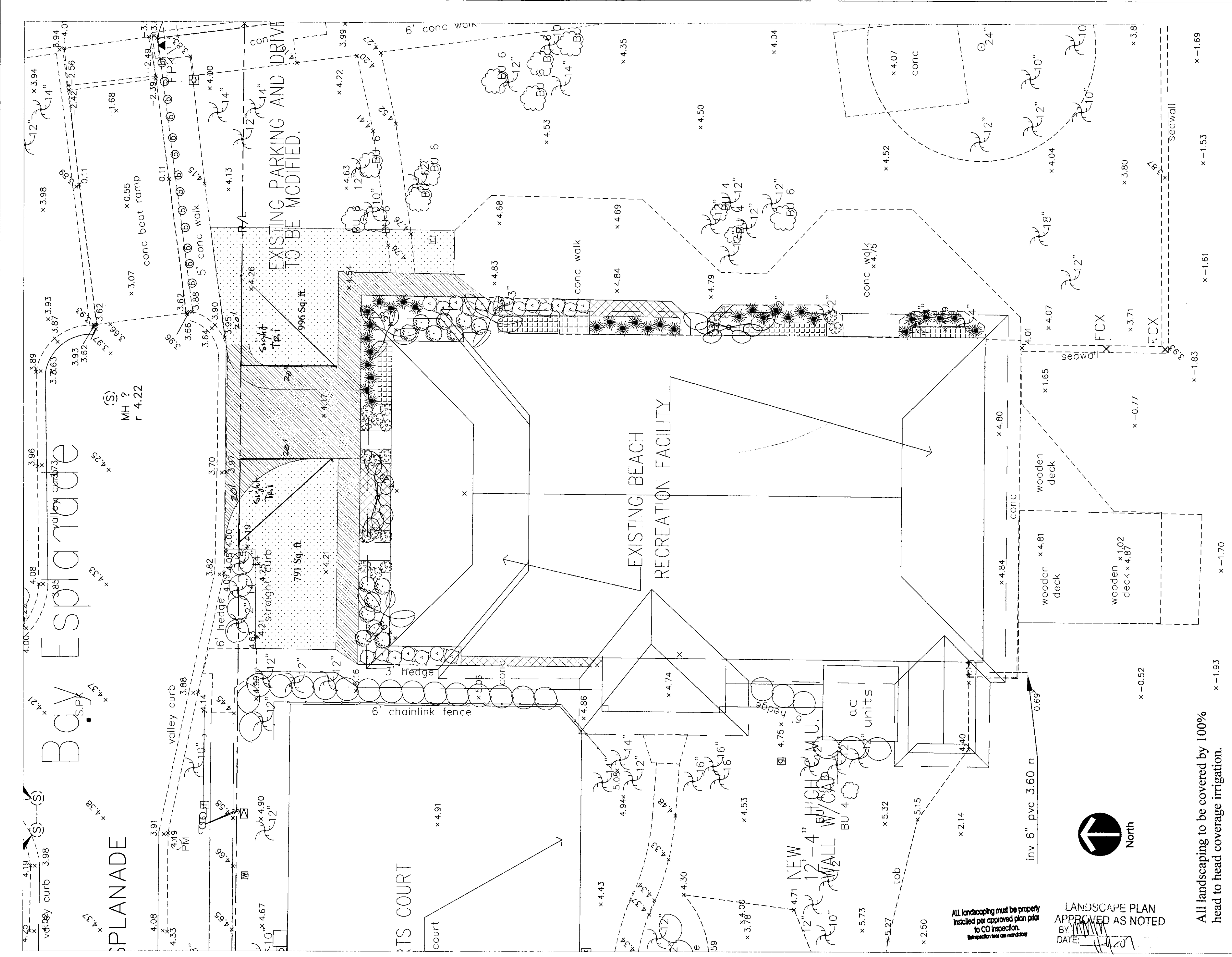
RED LINE shows changes to site.

NOV 9 2007

Nov 08, 2007 - 2:54pm - K:\040 - Projects\Projects\2007\2007-241 - Clearwater Beach Library\Draw\2007-241.dwg

<b>RECORD DRAWINGS</b>		<p>CITY OF CLEARWATER, FLORIDA PARKS &amp; RECREATION DEPT. 100 S. Myrtle Ave. Clearwater, FL 33756</p>	<p><b>DEUEL &amp; ASSOCIATES</b> CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS 4625 EAST BAY DRIVE, SUITE 211, CLEARWATER, FL 33764 PH 727.822.4151 FAX 727.821.7255 WWW.CFREDEUEL.NET CERTIFICATE OF AUTHORIZATION # 26320 LICENSED BUSINESS # 107</p>	<p><b>CLEARWATER BEACH LIBRARY &amp; RECREATION CENTER CONSOLIDATION SITE PLAN / CSWM PLAN</b></p>		<p>DRAWN BY: Novo SCALE: NONE HORIZ: 1"=20'</p>	<p>DESIGNED BY: B.A.B. SURVEYED BY: Clearwater DATE DRAWN: 8/3/07</p>	<p>CHECKED BY: A.P.C. BOOK NO.: 07-0044-PR DRAWING NO.: 2007051 DWG NAME: 2007-242 SHEET NO.: 4 OF 4</p>
SURVEYED BY:	DRAWN BY:			<p>APPROVED BY: CITY ENGINEER MICHAEL D. GULLIN, P.E. # 33721</p>	<p>DATE: 11/8/07</p>	<p>DATE: 11/8/07</p>	<p>DATE: 11/8/07</p>	
REVIEWED BY:	PROJECT ENGINEER:			<p>REVISION</p>	<p>BY</p>	<p>DATE</p>	<p>DATE</p>	
APPROVED BY:	DATE:			<p>BY</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	





PLANT SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	PLANTING SPECS.	NOTES
	Neopodysis decaryi	Triangle Palm	2	10'-12' OA FG, planted as shown	City nursery to provide one palm for project.
	Musa x paradisiaca	Banana	3	25 gal., fully rooted, 10" h. x 6" w. min, planted as shown	Florida grade No. or better
	Ixora 'Nora Grant'	Ixora 'Nora Grant'	14	3 gal., fully rooted, 24" h. x 24" w., 40" o.c.	Florida grade No. or better
	Raphiolepis indica	Indian Hawthorne	20	3 gal., fully rooted, 24" h. x 24" w., 24" o.c.	Florida grade No. or better
	Miscanthus sinensis	White Fountain Grass	32	3 gal., fully rooted, 24" h. x 24" w., 30" o.c.	Florida grade No. or better
	Philodendron 'Hope'	Philodendron 'Hope'	19	3 gal., fully rooted, 24" h. x 24" w., 24" o.c.	Florida grade No. or better
	Heliconia spp.	Heliconia spp.	205 sq. ft.	3 gal., fully rooted, 24" h x 12" w min. 18" o.c.	Florida grade No. or better
	Dianella ensifolia 'Variegata'	Variegated Dianella	125 sq. ft.	3 gal., fully rooted, 12" h. x 12" w. min., 18" o.c.	Florida grade No. or better

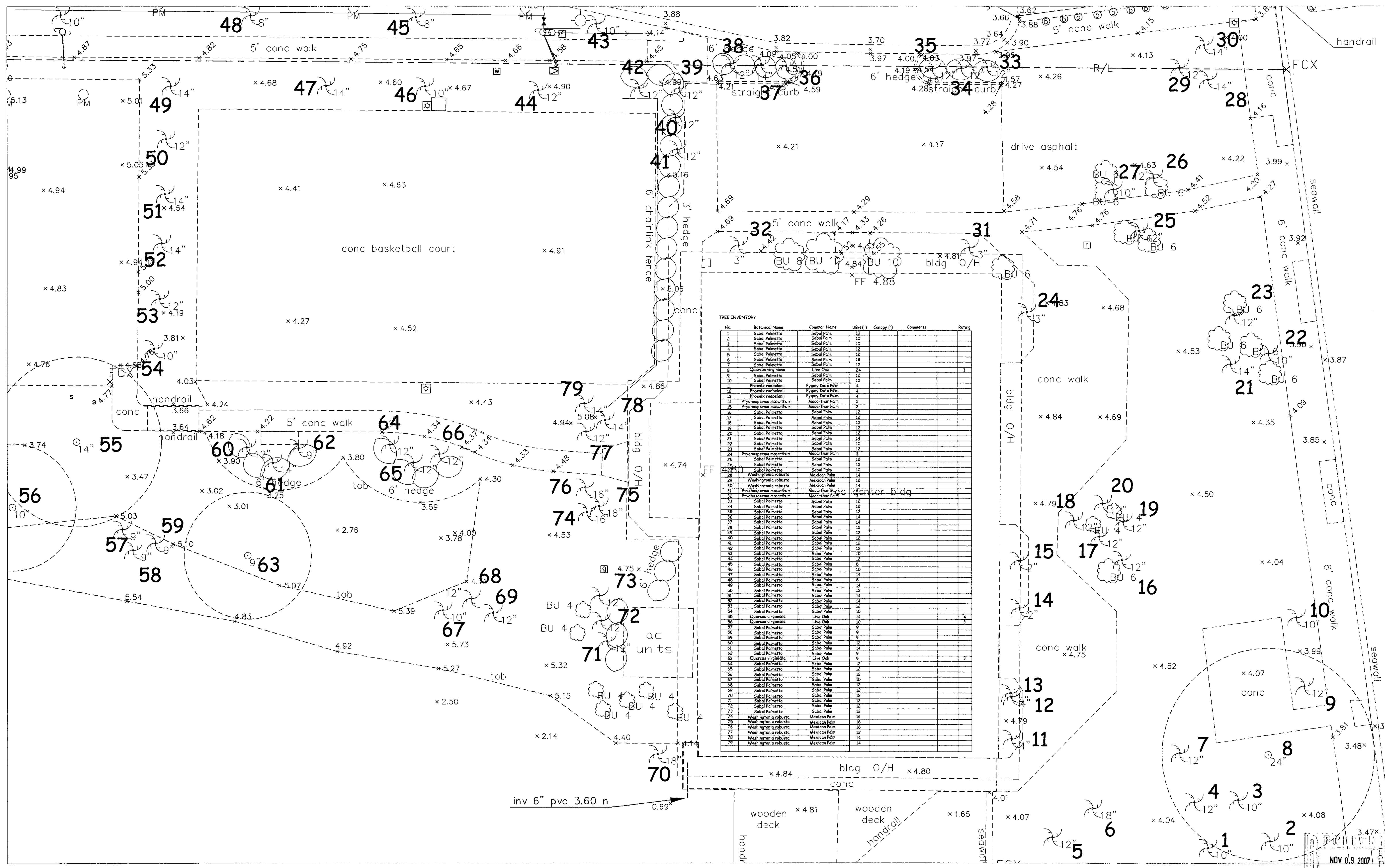
RECORD DRAWINGS	
SURVEYED BY	DRAWN BY
REVIEWED BY	DATE
APPROVED BY	DATE

CITY OF CLEARWATER, FLORIDA  
 PARKS & RECREATION DEPARTMENT  
 "It Starts in Parks"

INVESTIGATE BEFORE YOU EXCAVATE  
 CALL LOCAL PUBLIC UTILITY NOTIFICATION CENTER  
 TOLL FREE: 1-800-432-4770  
 MIN. 48 HOURS BEFORE YOU EXCAVATE

# CLEARWATER BEACH REC CENTER PLANTING PLAN

DRAWN BY RA	DESIGNED BY RA	CHECKED BY LC	CONTRACT NO. N/A
SCALE VERT. N/A	SURVEYED BY N/A	BOOK NO. N/A	JOB NO. N/A
HORIZ. 1"=10'	DATE DRAWN 11/1/07	DWG NAME N/A	SHEET NO. LA-1
APPROVED FOR CONSTRUCTION	DATE	DATE	DATE



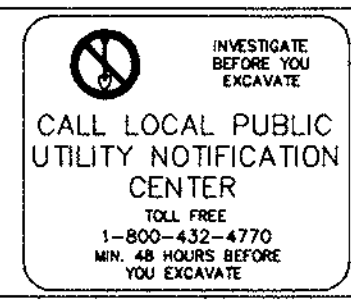
**TREE INVENTORY**

No.	Botanical Name	Common Name	DBH (")	Canopy (%)	Comments	Rating
1	Sabal palmetto	Sabal Palm	10			
2	Sabal palmetto	Sabal Palm	10			
3	Sabal palmetto	Sabal Palm	10			
4	Sabal palmetto	Sabal Palm	12			
5	Sabal palmetto	Sabal Palm	12			
6	Sabal palmetto	Sabal Palm	18			
7	Sabal palmetto	Sabal Palm	12			
8	Quercus virginiana	Live Oak	24			3
9	Sabal palmetto	Sabal Palm	10			
10	Sabal palmetto	Sabal Palm	10			
11	Phoenix roebelenii	Pygmy Date Palm	4			
12	Phoenix roebelenii	Pygmy Date Palm	4			
13	Phoenix roebelenii	Pygmy Date Palm	4			
14	Physalipennis macrocarpa	Macarthur Palm	2			
15	Physalipennis macrocarpa	Macarthur Palm	2			
16	Sabal palmetto	Sabal Palm	12			
17	Sabal palmetto	Sabal Palm	12			
18	Sabal palmetto	Sabal Palm	12			
19	Sabal palmetto	Sabal Palm	12			
20	Sabal palmetto	Sabal Palm	14			
21	Sabal palmetto	Sabal Palm	14			
22	Sabal palmetto	Sabal Palm	10			
23	Sabal palmetto	Sabal Palm	10			
24	Physalipennis macrocarpa	Macarthur Palm	2			
25	Sabal palmetto	Sabal Palm	12			
26	Sabal palmetto	Sabal Palm	12			
27	Sabal palmetto	Sabal Palm	12			
28	Washingtonia robusta	Mexican Palm	14			
29	Washingtonia robusta	Mexican Palm	12			
30	Washingtonia robusta	Mexican Palm	14			
31	Physalipennis macrocarpa	Macarthur Palm	2			
32	Physalipennis macrocarpa	Macarthur Palm	2			
33	Sabal palmetto	Sabal Palm	12			
34	Sabal palmetto	Sabal Palm	14			
35	Sabal palmetto	Sabal Palm	12			
36	Sabal palmetto	Sabal Palm	14			
37	Sabal palmetto	Sabal Palm	14			
38	Sabal palmetto	Sabal Palm	12			
39	Sabal palmetto	Sabal Palm	12			
40	Sabal palmetto	Sabal Palm	12			
41	Sabal palmetto	Sabal Palm	12			
42	Sabal palmetto	Sabal Palm	12			
43	Sabal palmetto	Sabal Palm	10			
44	Sabal palmetto	Sabal Palm	12			
45	Sabal palmetto	Sabal Palm	12			
46	Sabal palmetto	Sabal Palm	10			
47	Sabal palmetto	Sabal Palm	14			
48	Sabal palmetto	Sabal Palm	12			
49	Sabal palmetto	Sabal Palm	14			
50	Sabal palmetto	Sabal Palm	12			
51	Sabal palmetto	Sabal Palm	14			
52	Sabal palmetto	Sabal Palm	14			
53	Sabal palmetto	Sabal Palm	12			
54	Sabal palmetto	Sabal Palm	10			
55	Sabal palmetto	Sabal Palm	14			
56	Sabal palmetto	Sabal Palm	10			
57	Sabal palmetto	Sabal Palm	9			
58	Sabal palmetto	Sabal Palm	9			
59	Sabal palmetto	Sabal Palm	9			
60	Sabal palmetto	Sabal Palm	12			
61	Sabal palmetto	Sabal Palm	12			
62	Sabal palmetto	Sabal Palm	12			
63	Sabal palmetto	Sabal Palm	9			
64	Sabal palmetto	Sabal Palm	12			
65	Sabal palmetto	Sabal Palm	12			
66	Sabal palmetto	Sabal Palm	12			
67	Sabal palmetto	Sabal Palm	10			
68	Sabal palmetto	Sabal Palm	12			
69	Sabal palmetto	Sabal Palm	12			
70	Sabal palmetto	Sabal Palm	18			
71	Sabal palmetto	Sabal Palm	12			
72	Sabal palmetto	Sabal Palm	12			
73	Sabal palmetto	Sabal Palm	12			
74	Washingtonia robusta	Mexican Palm	16			
75	Washingtonia robusta	Mexican Palm	16			
76	Washingtonia robusta	Mexican Palm	16			
77	Washingtonia robusta	Mexican Palm	12			
78	Washingtonia robusta	Mexican Palm	14			
79	Washingtonia robusta	Mexican Palm	14			

**RECORD DRAWINGS**

SURVEYED BY	DRAWN BY	DATE
REVIEWED BY	PROJECT LANDSCAPE ARCHITECT	DATE
APPROVED BY	SUPERVISING LANDSCAPE ARCHITECT	DATE

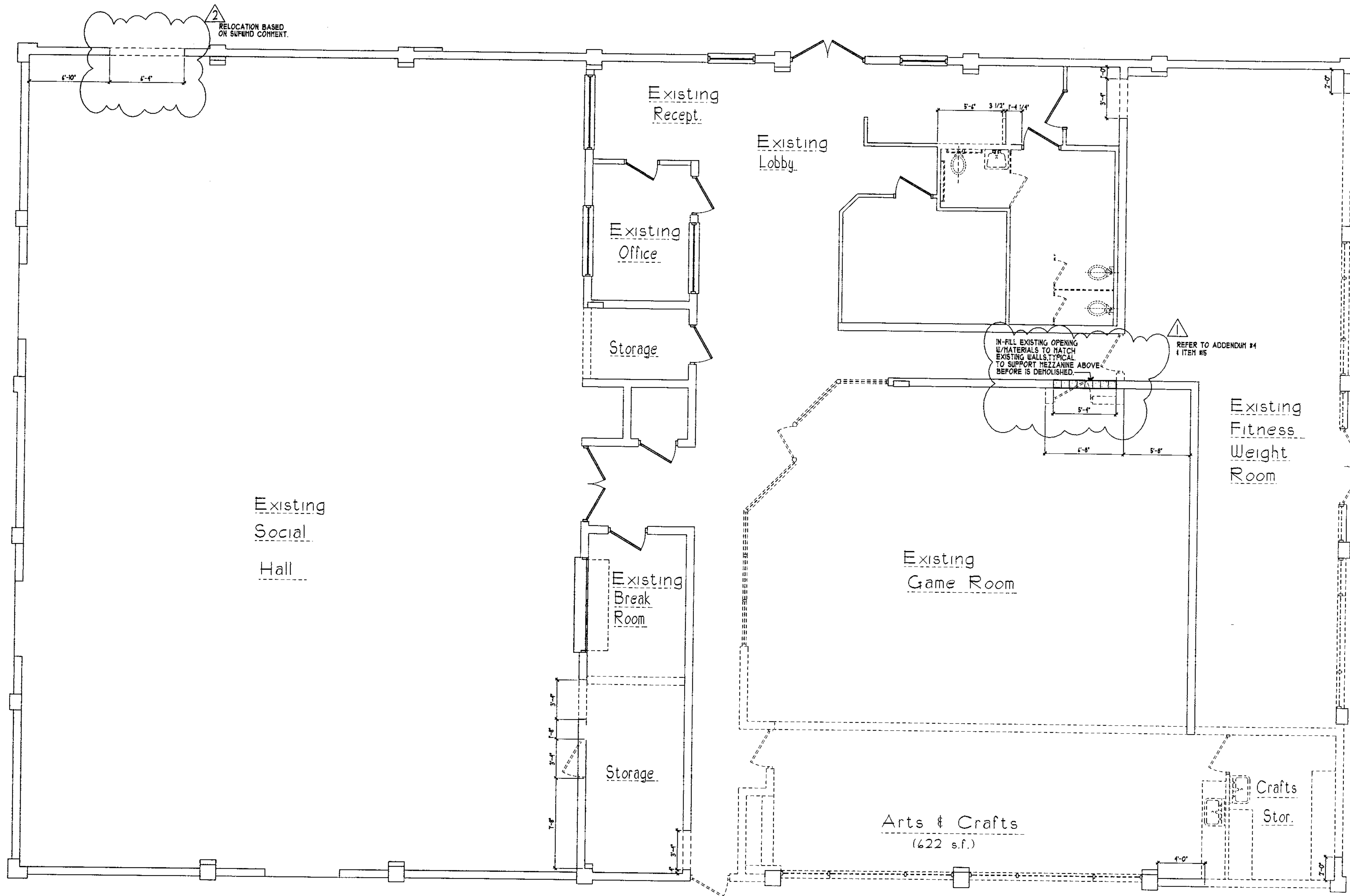
**CITY OF CLEARWATER, FLORIDA**  
**PARKS & RECREATION DEPARTMENT**  
 "It Starts in Parks"




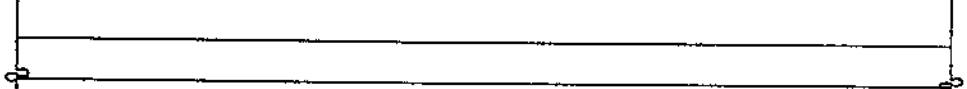
**CLEARWATER BEACH REC CENTER**  
**TREE SURVEY**

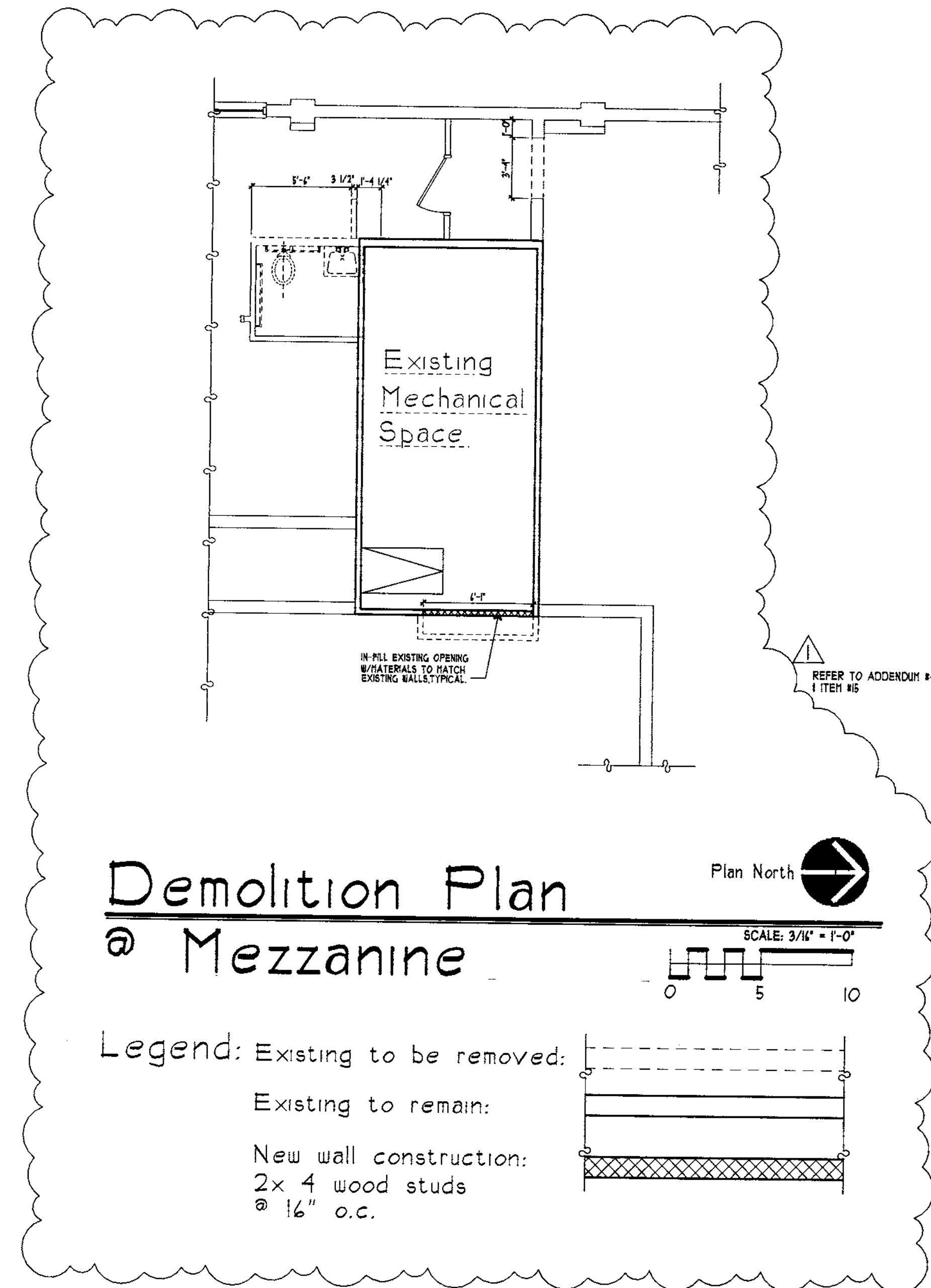
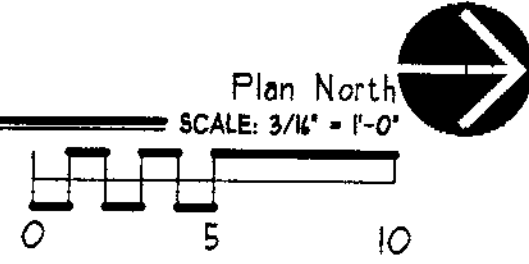
DRAWN BY	DESIGNED BY	CHECKED BY	CONTRACT NO.
SCALE	SURVEYED BY	BOOK NO.	JOB NO.
HORIZ. 1"=20'	DATE DRAWN	DWG NAME	SHEET NO.
APPROVED FOR CONSTRUCTION	SUPERVISING LANDSCAPE ARCHITECT	DATE	

NOV 09 2007  
 DEVELOPMENT SERVICES  
 CITY OF CLEARWATER, FLORIDA

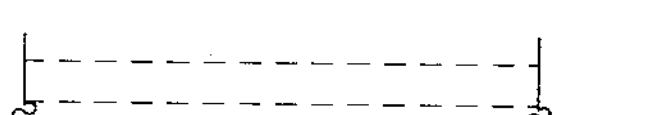
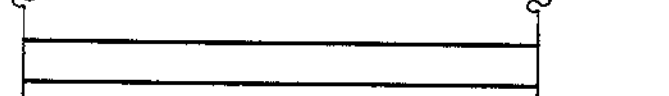
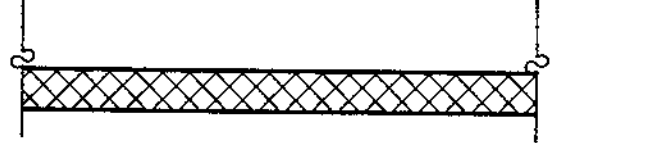


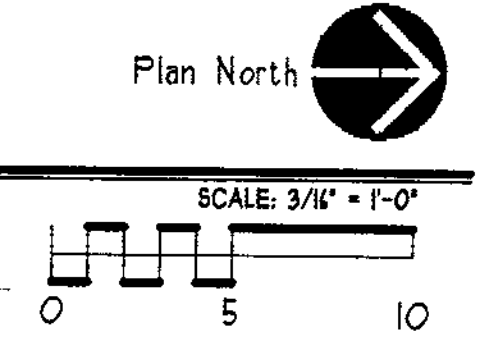
## Demolition Plan


Legend: Existing to be removed:   
 Existing to remain: 



## Demolition Plan @ Mezzanine

Legend: Existing to be removed:   
 Existing to remain:   
 New wall construction:  
 2x 4 wood studs @ 16" o.c. 



*Reviewed For Code Compliance*  
 CITY OF CLEARWATER  
 BLDG. INSPECTION DIV.  
 BY   
 DATE **2-7-08**

**REVISED PLANS RECEIVED**  
 FEB 07 2008  
 DEVELOPMENT & NEIGHBORHOOD SERVICES  
 CITY OF CLEARWATER

STEPHEN R. FOWLER ARCHITECTS, INC. 2007

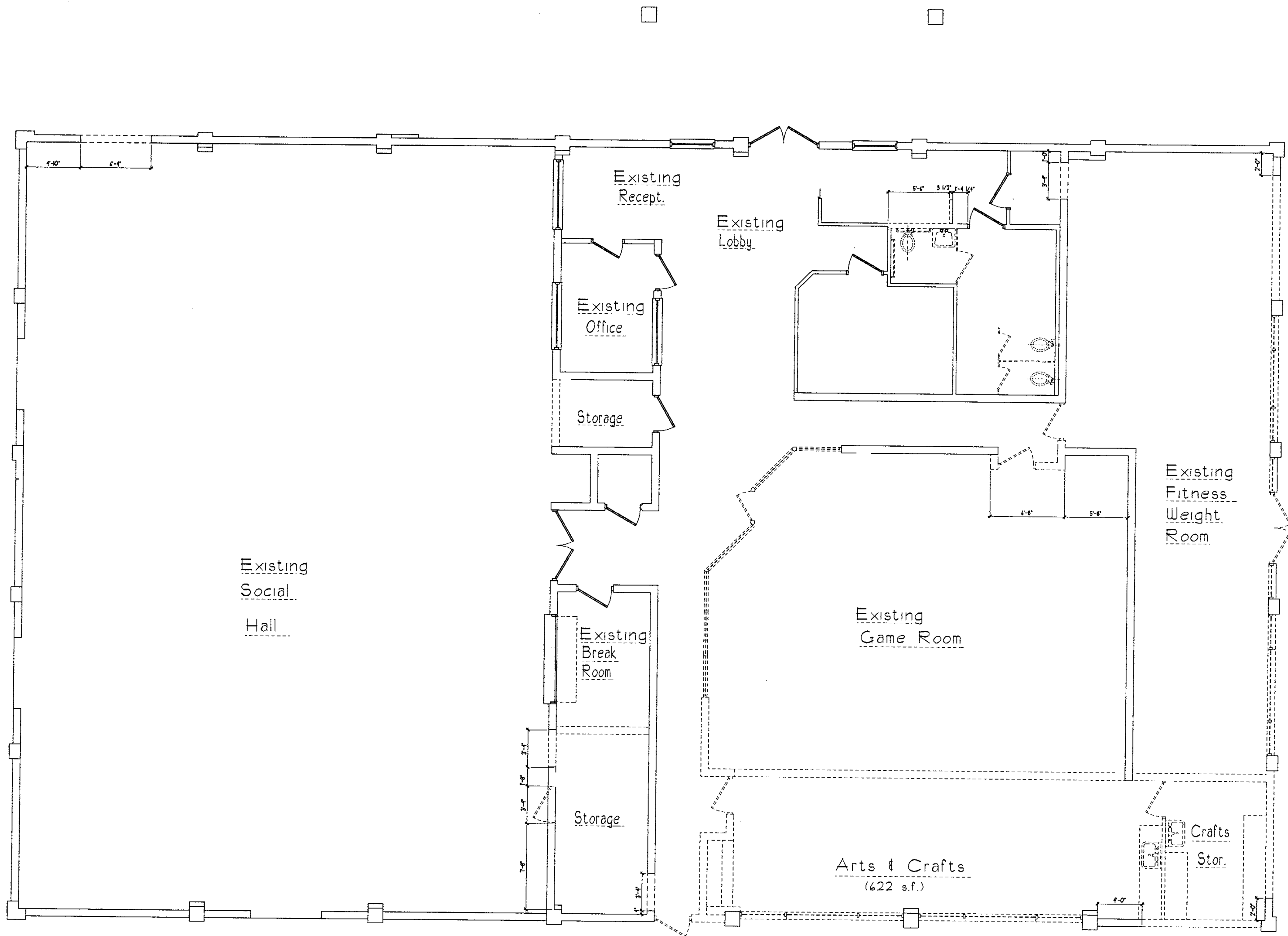
**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 1421 COURT STREET CLEARWATER, FLORIDA 34615  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AF-0005441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC001665

NO.	DATE	REVISION	BY
1	30 NOV '07	REVISED WALL AT MEZZANINE	AY
2	28 JAN '08	REVISED FOR CONTRACTOR	AY

DRAWN: **SRF**  
 DATE: **01.Nov.'07**

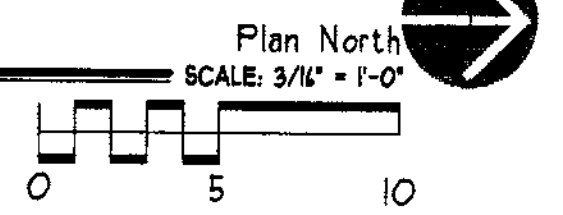
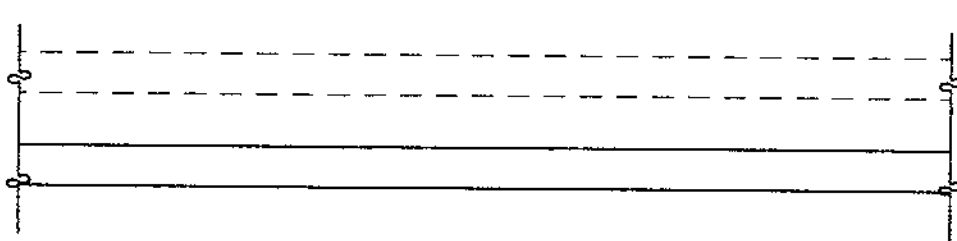
Demolition Plan  
**Clearwater Beach Library & Recreation Center Consolidation**  
 41 BAY ESPLANADE CLEARWATER FLORIDA 34617

PROJECT NO. **07-214**  
 SHEET NO. **D-1.1**



# Demolition Plan

Legend: Existing to be removed:  
Existing to remain:



Reviewed for Code Compliance  
CITY OF CLEARWATER  
BLDG. INSPECTION DIV.  
BY: [Signature]  
DATE: 11-9-07

NOV 09 2007  
DEVELOPMENT SERVICES  
CITY OF CLEARWATER

© COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007  
STEPHEN R. FOWLER  
ARCHITECT

**FOWLER ASSOCIATES ARCHITECTS, INC.**

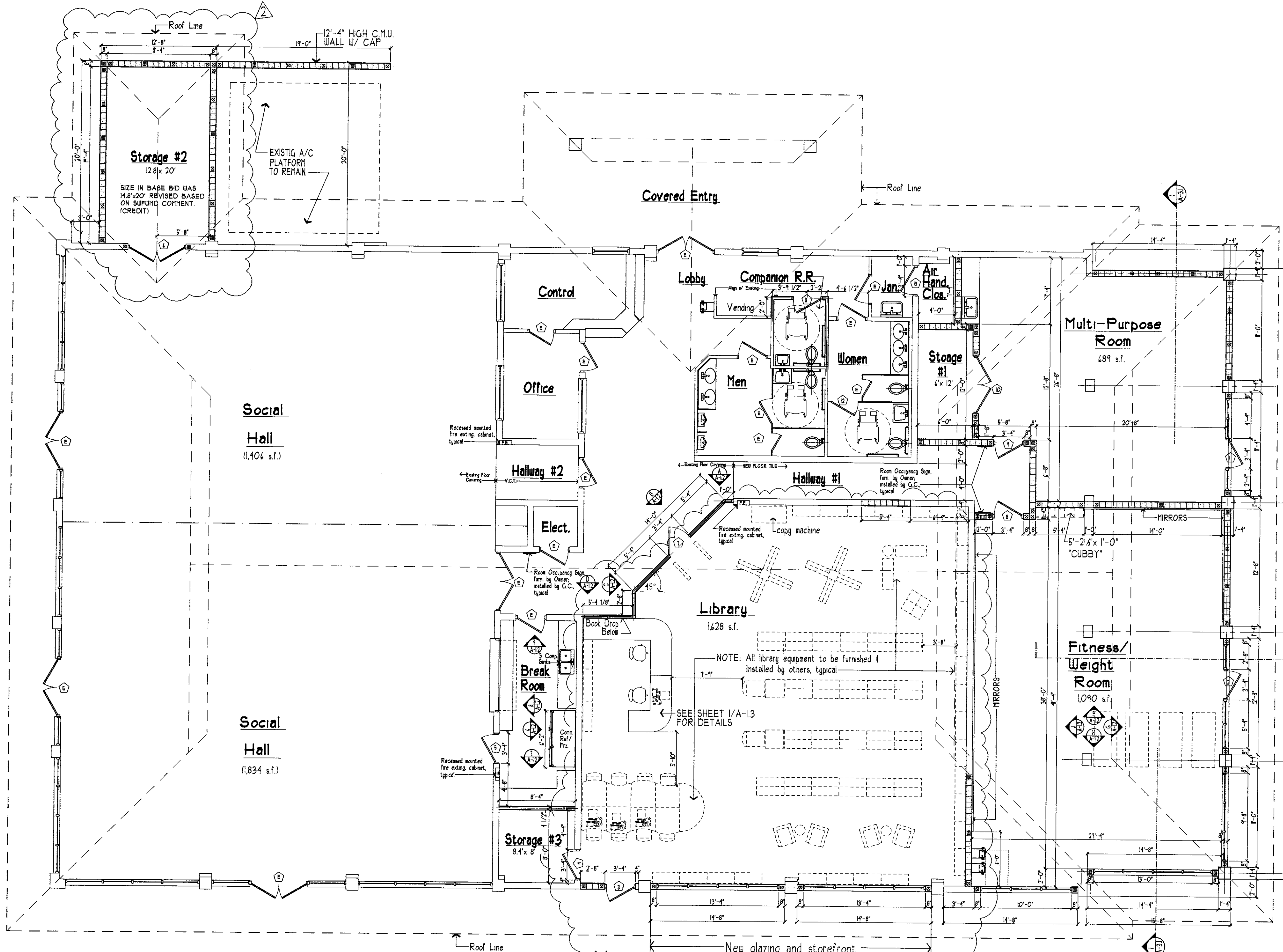
1421 COURT STREET ■ CLEARWATER, FLORIDA 33768 ■ (727) 448-2821 ■ FAX (727) 447-5388  
STATE OF FLORIDA, ARCHITECTURAL LICENSE NUMBER ■ LR-0005441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER ■ AAC000666

NO.	DATE	REVISION	BY

DATE	07.Nov.'07
DRAWN	SRF

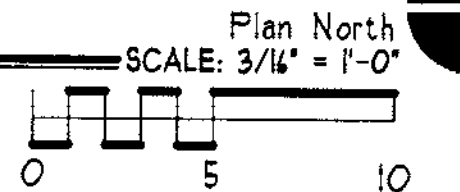
Demolition Plan  
**Clearwater Beach Library & Recreation Center Consolidation**  
69 BAY ESPLANADE  
CLEARWATER, FLORIDA 33761

PROJECT NO.	07-214
SHEET NO.	D-1.1



# Floor Plan

Legend: Existing to be removed: Existing to remain: New Construction: C.M.U.: 8" x 8" x 16" masonry units New construction: 1 1/2" x 3 1/2" Metal studs @ 16" o.c. w/ 1/2" gyp. wall'bd. both sides.



REFER TO ADDENDUM #4 ITEM #1  
ALTER #1  
FOR MILL WORK IN LIBRARY

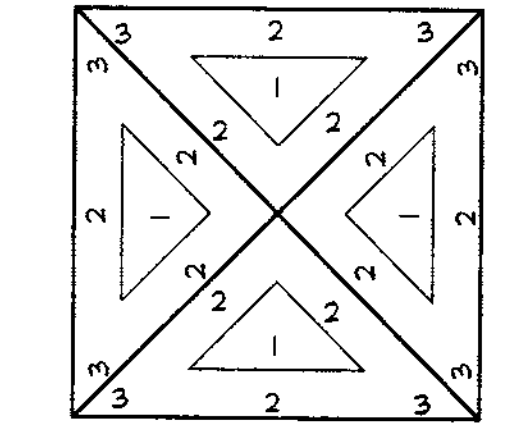
## DESIGN CRITERIA

OCCUPANCY TYPE: A-3, ASSEMBLY, SMALL  
CONSTRUCTION TYPE: TYPE V, B  
ALLOWABLE BUILDING AREA: 9,425 S.F.  
Area Increase:  $A_2 = A_1 \left[ \frac{L_1}{L_2} \right]^{0.25}$   
 $L_1 = \frac{400 - 0.25}{100} \times 0.18$   
PROPOSED BUILDING AREA: 9,101 S.F.  
ALLOWABLE BUILDING HEIGHT: 35 FT.  
PROPOSED BUILDING HEIGHT: 31'-8"

## CODE INFORMATION:

(per FBC, 2004)  
Basic Wind Speed: 128 mph  
Wind Importance Factor: 1.0  
Building Category: ENCLOSED, LOW-RISE BUILDING, SIMPLE DIAPHRAM  
Wind Exposure Category: "C"  
WIND LOADING DETERMINED BY: F.B.C. 2004 (CHAPTER 16)  
DESIGN WIND LOADS: 128 MPH  
DESIGN SOIL CAPACITY: 2,500 PSF

THIS DESIGN COMPLIES WITH F.B.C., 2004 (w/ 2005, 2004 REVISIONS) & SUPPLEMENTS, THE FLORIDA FIRE PREVENTION CODE, 2004, THE CITY OF CLEARWATER DESIGN DEVELOPMENT CODE, & NATIONAL ELECTRIC CODE, 2005, TO THE BEST OF OUR KNOWLEDGE AND BELIEF.



ROOF:  
ZONE 1 PRESSURES: +41 -45  
ZONE 2 PRESSURES: +41 -54  
ZONE 3 PRESSURES: +41 -54  
OVERHANGS:  
ZONE 2 PRESSURES: +n/a -90  
ZONE 3 PRESSURES: +n/a -90  
WALLS:  
ZONE 4 PRESSURES: +45 -45  
ZONE 5 PRESSURES: +45 -54

I CERTIFY THAT THE ABOVE CAPTIONED STRUCTURE HAS BEEN REVIEWED BY ME AND DETERMINED TO BE IN COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE, 2004; & FIRE PREVENTION CODE, 2004

8102 9th Street  
ARNDTSON  
STEPHEN R. FOWLER  
© COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
142 COURT STREET CLEARWATER, FLORIDA 34625  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER: 161-000444  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: 16C001665

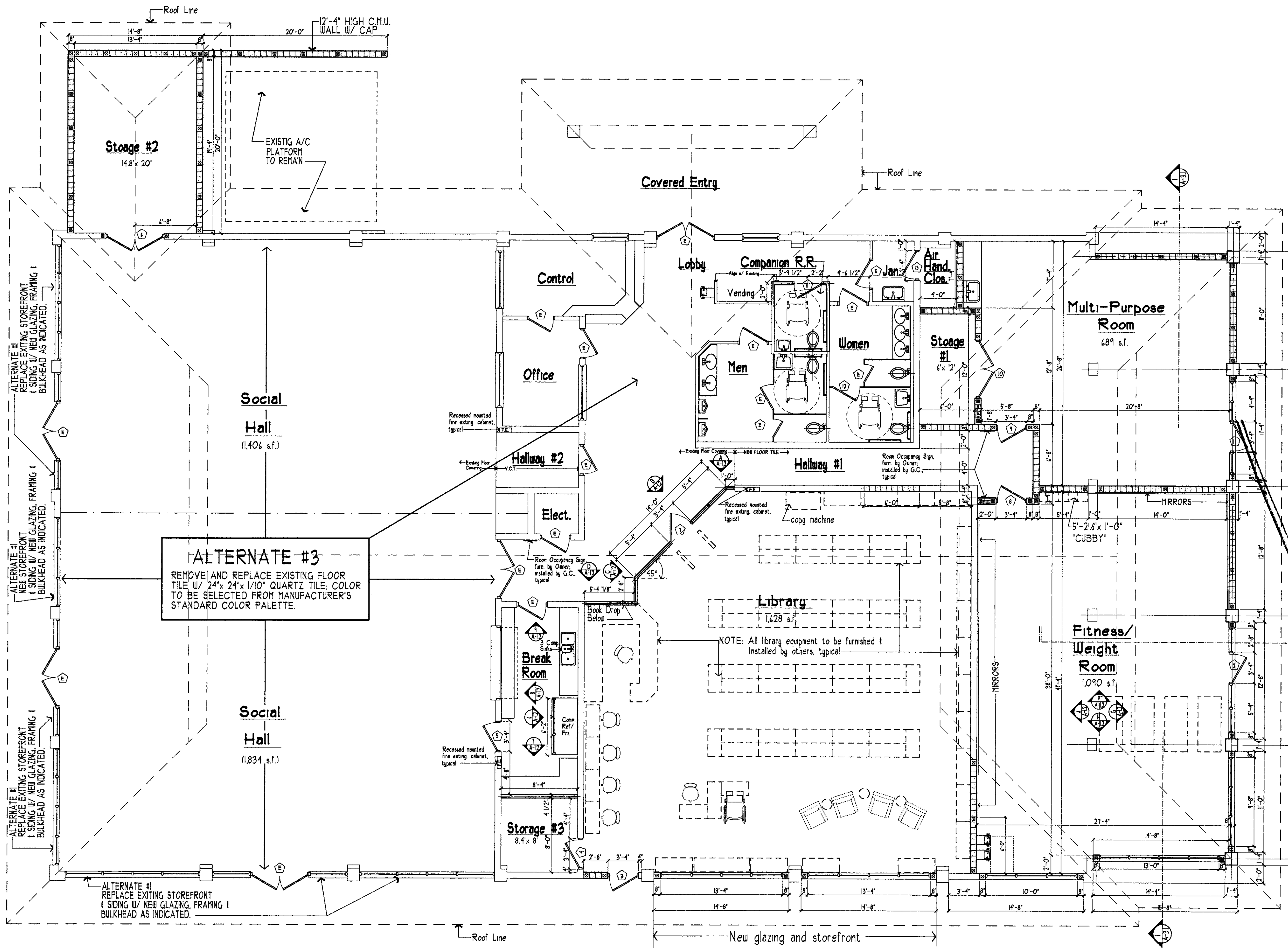
REVISION	NO.	DATE	BY	REVISION
1	1	07 Dec '07	AY	REVISED EQUIPMENT FOR REQUEST
2	2	28 Jan '08	AY	REVISED STORAGE 12 FOR CONTRACTOR

DATE	01 Nov '07
DRAWN	SRF

Floor Plan  
**Clearwater Beach Library & Recreation Center Consolidation**  
43 BAY ESPERANDE  
CLEARWATER, FLORIDA 34617

PROJECT NO.	07-214
SHEET NO.	A-1.1

**REVISED PLANS RECEIVED**  
FEB 07 2008  
DEVELOPMENT & NEIGHBORHOOD SERVICES  
CITY OF CLEARWATER



# Floor Plan

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

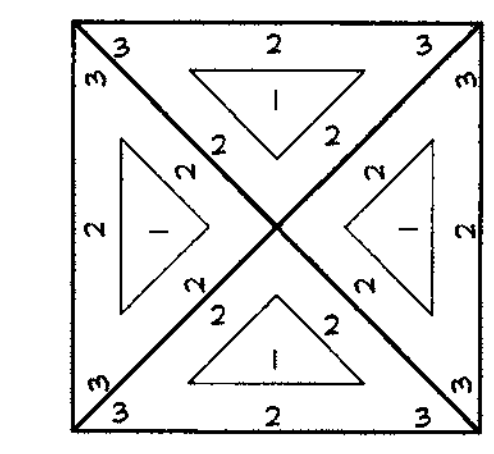
- Legend:
- Existing to be removed: [Dashed line symbol]
  - Existing to remain: [Solid line symbol]
  - New Construction:
    - C.M.U.: 8" x 8" x 16" masonry units [Brick symbol]
    - New construction: 1 1/2" x 3 1/2" Metal studs @ 16" o.c. w/ 1/2" gyp. wall'bd. both sides. [Stud symbol]

## DESIGN CRITERIA

OCCUPANCY TYPE: A-3, ASSEMBLY, SMALL  
 CONSTRUCTION TYPE: TYPE V, 3  
 ALLOWABLE BUILDING AREA: 1,425 S.F.  
 Area Increase:  $A_2 = A_1 + \frac{A_1}{100} (10 - 5.500 + 1.25) = 1,425 \text{ s.f.}$   
 $L_1 = \frac{(100 - 0.25) \times 0.15}{100} = 0.15$   
 PROPOSED BUILDING AREA: 9,100 S.F.  
 ALLOWABLE BUILDING HEIGHT: 35 FT.  
 PROPOSED BUILDING HEIGHT: 31'-8"

## CODE INFORMATION:

(per F.B.C. 2004)  
 Basic Wind Speed: 128 mph  
 Wind importance factor: 1.0  
 Building Category: ENCLOSED, LOW-RISE BUILDING, SIMPLE DIAPHRAM  
 Wind Exposure Category: "C"  
 WIND LOADING DETERMINED BY: F.B.C. 2004 (CHAPTER 14)  
 DESIGN WIND LOADS: 128 MPH  
 DESIGN SOIL CAPACITY: 2,500 PSF  
 THIS DESIGN COMPLIES WITH F.B.C. 2004 W/ 2005, 2004 REVISIONS & SUPPLEMENTS, THE FLORIDA FIRE PREVENTION CODE, 2004, THE CITY OF CLEARWATER DESIGN DEVELOPMENT CODE, 1 NATIONAL ELECTRIC CODE, 2005, TO THE BEST OF OUR KNOWLEDGE AND BELIEF.



ROOF:

ZONE 1 PRESSURES:	+ 41	- 45
ZONE 2 PRESSURES:	+ 41	- 54
ZONE 3 PRESSURES:	+ 41	- 54

OVERHANG:

ZONE 2 PRESSURES:	+ 1/0	- 90
ZONE 3 PRESSURES:	+ 1/0	- 90

WALLS:

ZONE 4 PRESSURES:	+ 45	- 45
ZONE 5 PRESSURES:	+ 45	- 54

CERTIFY THAT THE ABOVE CAPTIONED STRUCTURE HAS BEEN REVIEWED BY ME AND DETERMINED TO BE IN COMPLIANCE WITH CHAPTER 14 OF THE FLORIDA BUILDING CODE, 2004, FIRE PREVENTION CODE, 2004

STEPHEN R. FOWLER  
ARCHITECT

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 142 COURT STREET CLEARWATER, FLORIDA 34625  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-0005441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AC0001666

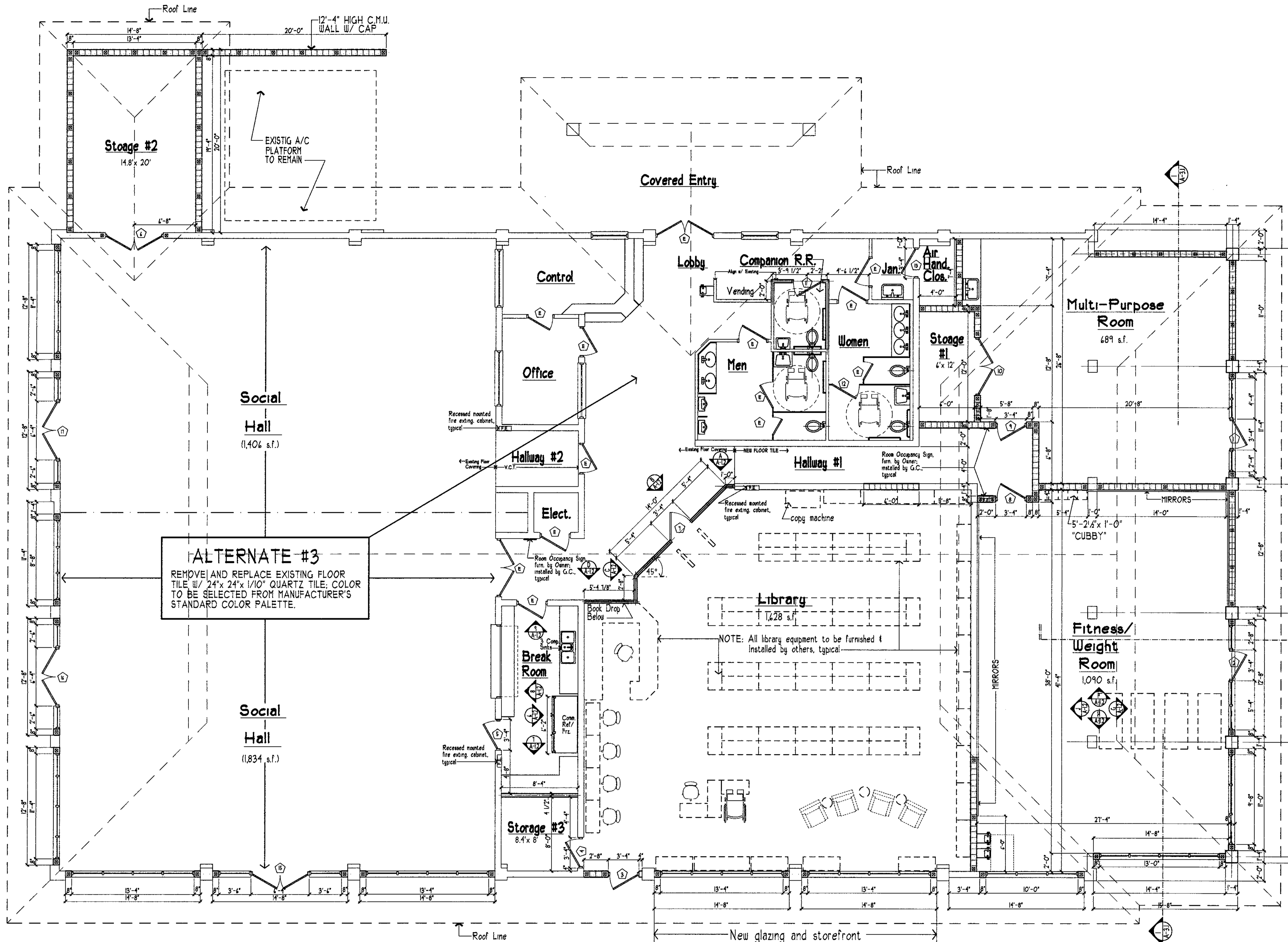
BY: [Signature]  
 NO. [ ]  
 DATE [ ]

DRAWN: SRF  
 DATE: 01.Nov.'07

Floor Plan  
**Clewater Beach Library & Recreation Center Consolidation**  
 41 BAY ESPLANADE  
 CLEARWATER, FLORIDA 34614

PROJECT NO: 07-214  
 SHEET NO: A-1.1

RECEIVED  
 NOV 09 2007  
 DEVELOPMENT SERVICES DIVISION  
 CITY OF CLEARWATER



**ALTERNATE #3**  
 REMOVE AND REPLACE EXISTING FLOOR TILE w/ 24" x 24" x 1/10" QUARTZ TILE; COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD COLOR PALETTE.

# Floor Plan

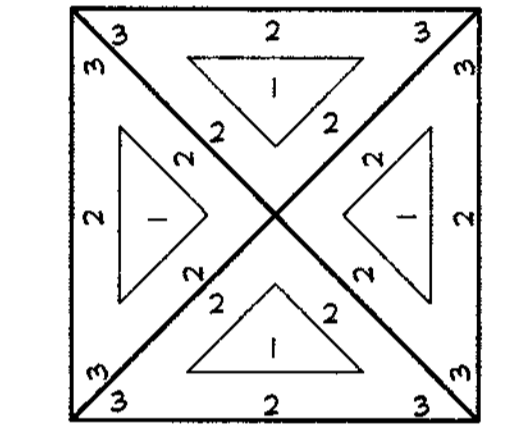
Legend: Existing to be removed: Existing to remain: New Construction: C.M.U.: 8" x 8" x 16" masonry units New construction: 1 1/2" x 3 1/2" Metal studs @ 16" o.c. w/ 1/2" gyp. wall/bd. both sides.

## DESIGN CRITERIA

OCCUPANCY TYPE: A-3, ASSEMBLY, SMALL  
 CONSTRUCTION TYPE: TYPE V, 5  
 ALLOWABLE BUILDING AREA: 9,425 S.F.  
 Area Increase:  $A_2 = A_1 + \frac{A_1}{100}$   
 $L_2 = \frac{L_1}{100} + 0.25$   
 PROPOSED BUILDING AREA: 9,100 S.F.  
 ALLOWABLE BUILDING HEIGHT: 35 FT.  
 PROPOSED BUILDING HEIGHT: 31'-8"

## CODE INFORMATION:

(per F.B.C. 2004)  
 Basic Wind Speed: 128 mph  
 Wind importance factor: 1.0  
 Building Category: ENCLOSED, LOW-RISE BUILDING, SIMPLE DIAPHRAM  
 Wind Exposure Category: "C"  
 WIND LOADING DETERMINED BY: F.B.C. 2004 (CHAPTER 14)  
 DESIGN WIND LOADS: 128 MPH  
 DESIGN SOIL CAPACITY: 2500 PSF  
 THIS DESIGN COMPLIES WITH F.B.C. 2004 w/ 2005, 2004 REVISIONS & SUPPLEMENTS, THE FLORIDA FIRE PREVENTION CODE, 2004, THE CITY OF CLEARWATER DESIGN DEVELOPMENT CODE, & NATIONAL ELECTRIC CODE, 2005 TO THE BEST OF OUR KNOWLEDGE AND BELIEF.



ROOF:

ZONE 1 PRESSURES:	+ .41	- .45
ZONE 2 PRESSURES:	+ .41	- .54
ZONE 3 PRESSURES:	+ .41	- .54

OVERHANG:

ZONE 2 PRESSURES:	+ n/a	- .90
ZONE 3 PRESSURES:	+ n/a	- .90

WALLS:

ZONE 4 PRESSURES:	+ .45	- .45
ZONE 5 PRESSURES:	+ .45	- .54

I CERTIFY THAT THE ABOVE CAPTIONED STRUCTURE HAS BEEN REVIEWED BY ME AND DETERMINED TO BE IN COMPLIANCE WITH CHAPTER 4 OF THE FLORIDA BUILDING CODE, 2004; & FIRE PREVENTION CODE, 2004

STEPHEN R. FOWLER ARCHITECTS, INC. 2007

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 142 COURT STREET CLEARWATER, FLORIDA 34615 TEL: (727) 471-3338 FAX: (727) 471-3338  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER: AR-006441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: AC000686

BY: REVISION

NO.

DATE

DRAWN: **SRF**

DATE: **01.Nov.'07**

Floor Plan  
**Clewater Beach Library & Recreation Center Consolidation**  
 41 BAY ESPERANDE CLEARWATER, FLORIDA 34617

PROJECT NO: **07-214**

SHEET NO: **A-1.1a**  
**Alternate #1**

NOV 09 2007 DEVELOPMENT SERVICES DEPT. CITY OF CLEARWATER

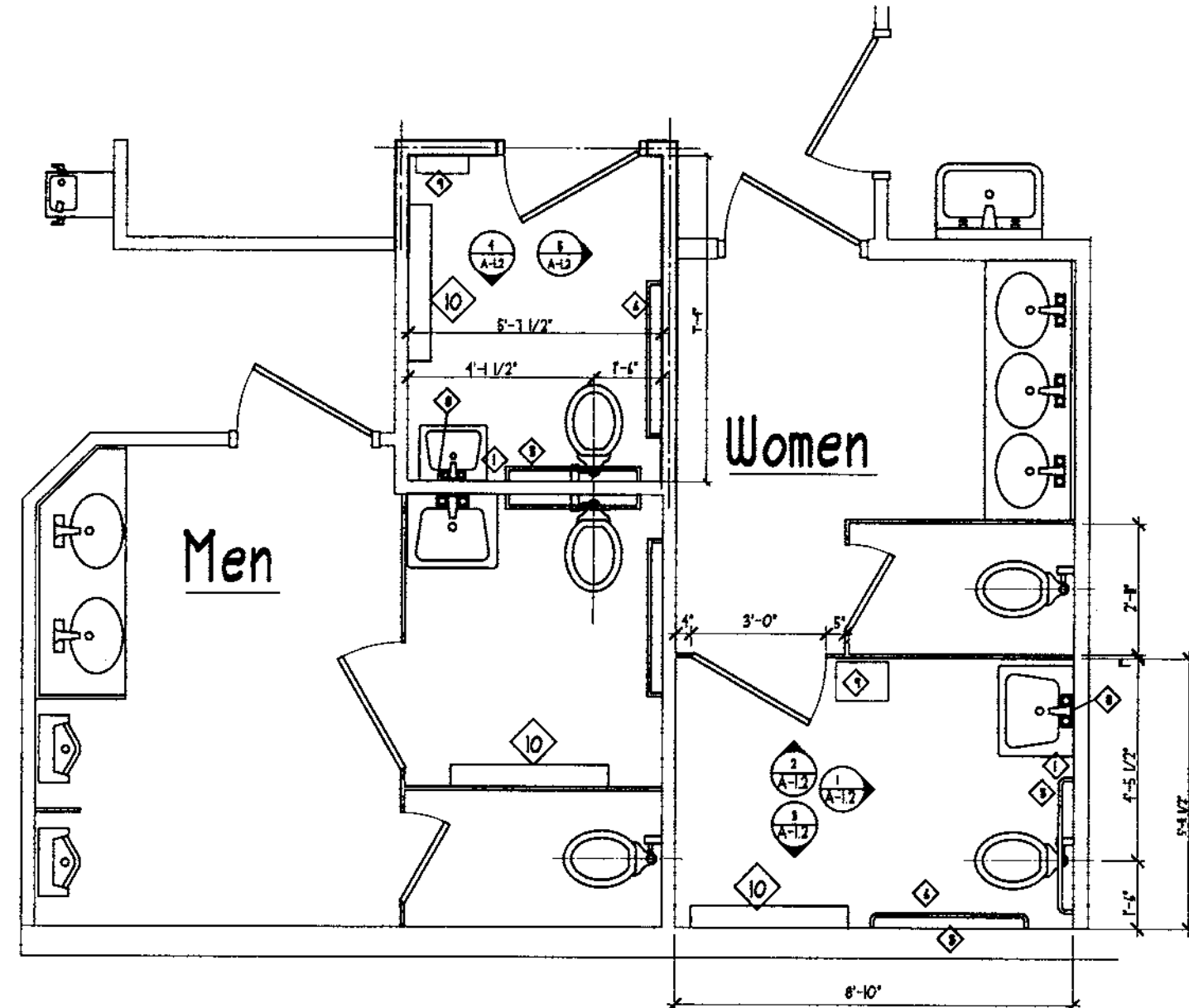
**ROOM FINISH SCHEDULE**

ROOM	FLOOR	BASE	WALLS	CEILING	REMARKS
LOBBY (EXISTING)	SEE REMARKS	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	NEW TILE FLOORING (ALTERNATE #3) SEE COMMENTS FOR NEW FLOORING
SOCIAL HALL (EXISTING)					
LIBRARY	24" x 24" x 1/8" CARPET TILES	4" VINYL STRAIGHT	EXPOSED CONC. BLOCK / PAINT	2" x 2" ACOUST. TILES IN EXP. "T" GRID SYSTEM	HATCH EXISTING
MULTI-PURPOSE ROOM	24" x 24" x 1/8" QUARTZ TILE	4" VINYL COVE			SEE REFL. CLG. PLAN FOR DROP CEILING
FITNESS/WEIGHT ROOM	SPORTS FLOORING BY OWNER				PROVIDE 24" HIGH WAINSCOT OF SPORTS FLOORING MATERIAL (BY OWNER)
STORAGE #1	24" x 24" x 1/8" QUARTZ TILE				1'-0"
STORAGE #2				GYPSUM WALL'BD. PAINT	10'-0"
STORAGE #3				2" x 2" ACOUST. TILES IN EXP. "T" GRID SYSTEM	10'-0"
BREAK ROOM	24" x 24" x 1/8" QUARTZ TILE	4" VINYL COVE	H.R. GYPSUM WALL'BD. PAINT	2" x 2" ACOUST. TILES IN EXP. "T" GRID SYSTEM	HATCH EXISTING
COMPANION REST ROOM				H.R. GYPSUM WALL'BD. PAINT	
HALLWAY #1			EXPOSED CONC. BLOCK / PAINT	2" x 2" ACOUST. TILES IN EXP. "T" GRID SYSTEM	
HALLWAY #2				GYPSUM WALL'BD. PAINT	

NOTE: ALL AREAS WHERE NO WORK IS TO BE PERFORMED ARE TO REMAIN, TYPICAL

**ROOM FINISH NOTES**

- ALTERNATE #3: REMOVE EXISTING V.C.T. AND MASTIC; INSTALL LEVELING MASTIC AS APPROVED BY TILE MFG.
- CONTRACTOR SHALL FURNISH SAMPLES OF ALL FINISH MATERIALS FOR APPROVAL PRIOR TO ORDERING & INSTALLATION.
- SPORTS FLOORING SHALL BE FURNISHED AND INSTALLED BY OWNER. SLAB IS TO BE PREPARED AS PER MANUFACTURER'S RECOMMENDATIONS.



**Large Scale Toilet Plan** Scale: 3/8" = 1'-0"

**DOOR SCHEDULE**

NOTE: ALL HARDWARE SHALL BE "BEST" BRAND & PROVIDED WITH CYLINDERS TO MATCH OWNERS MASTER KEY SYSTEM

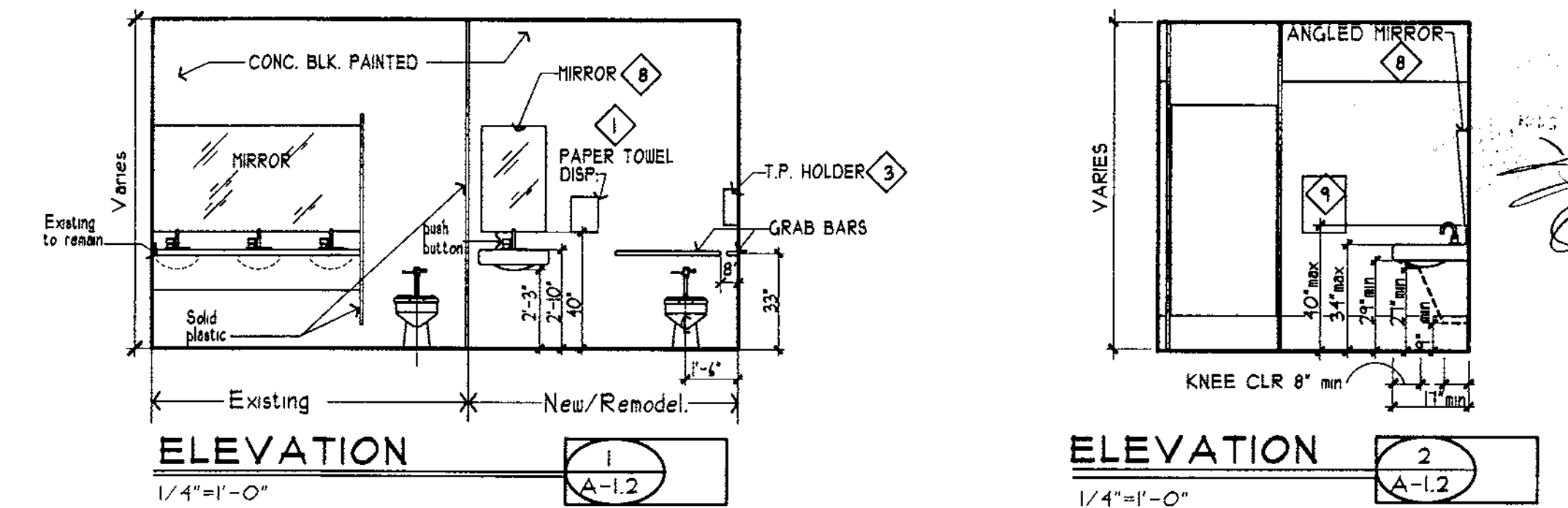
NO.	TYPE	SIZE	MATERIAL	FINISH	LOCATION	HARDWARE	REMARKS
1	A	3'-0" x 10'-0"	H.C. METAL & GLASS	PRE-FIN.	MULTI-PURPOSE ROOM	BY DOOR MFR. PROVIDE VON DUPRE "CHEKIT" CONTROLLED EXIT DEVICE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
2	A	3'-0" x 10'-0"	H.C. METAL & GLASS	PRE-FIN.	FITNESS ROOM	BY DOOR MFR. PROVIDE VON DUPRE "CHEKIT" CONTROLLED EXIT DEVICE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
3	A	3'-0" x 10'-0"	H.C. METAL & GLASS	PRE-FIN.	LIBRARY	BY DOOR MFR. CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
4	C	3'-0" x 10'-0"	WOOD	PAINT	STAIN I FIN TO MATCH EXISTING	2 PR. 4" BUTTS(S.) 1 HORTISED LOCKSET	
5	B	3'-0" x 10'-0"	WOOD	PAINT	BREAK RM.	2 PR. 4" BUTTS(S.) 1 HORTISED LOCKSET CLOSURE w/ HOLD OPEN FEATURE	4' x 30' VIEW WINDOW
6	C	3'-0" x 10'-0"	WOOD	PAINT	STAIN I FIN TO MATCH EXISTING	2 PR. 4" BUTTS(S.) 1 HORTISED LOCKSET CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
7	A	3'-0" x 10'-0"	H.C. METAL & GLASS	PRE-FIN.	LIBRARY	BY DOOR MFR. CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
8	B	3'-0" x 10'-0"	WOOD	PAINT	FITNESS ROOM	BY DOOR MFR. CLOSURE w/ HOLD OPEN FEATURE	4' x 30' VIEW WINDOW
9	B	3'-0" x 10'-0"	WOOD	PAINT	MULTI-PURPOSE ROOM	BY DOOR MFR. CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
10	C	3'-0" x 10'-0"	WOOD	PAINT	STAIN I FIN TO MATCH EXISTING	2 PR. 4" BUTTS(S.) 1 HORTISED LOCKSET CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
11	C	3'-0" x 10'-0"	WOOD	PAINT	COMPANION REST RM.	2 PR. 4" BUTTS(S.) 1 HORTISED LOCKSET CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
12	D	3'-0" x 5'-0" x 1/2"	SOLID PLAS.	SOLID PLAS.	TOILET COMPARTMENT	BY DOOR MFR.	
13	C	3'-0" x 10'-0"	H.C. METAL	PAINT	AIR HANDL. CLOSET	2 PR. 4" BUTTS(S.) CLOSET SET	

**TOILET ACCESSORIES SCHEDULE**

MARK	DESCRIPTION	MODEL NO.
1	SURFACE MOUNT PAPER TOWEL DISPENSER/ RECEPT	Furnished by Owner, installed by Contractor
2	SURFACE MOUNTED SOAP DISPENSER	Furnished by Owner, installed by Contractor
3	SURFACE MOUNTED MULTI ROLL TOILET TISSUE DISPENSER	Furnished by Owner, installed by Contractor
4	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL UNIT WOMEN'S ROOM ONLY.	Furnished by Owner, installed by Contractor
5	36" GRAB BAR	B-490 x 36
6	42" GRAB BAR	B-490 x 42
7	MIRROR ON ENTIRE WALL OVER LAVATORY	
8	TILT MIRROR WITH SS. FRAME	B-293-1830
9	WALL MOUNTED WASTE RECEPTACLE 2' x 18" x 4"; Mount top 2'-4" A.F.F.	B-219
10	SURFACE MOUNT INFANT CHANGING TABLE	KOLALA

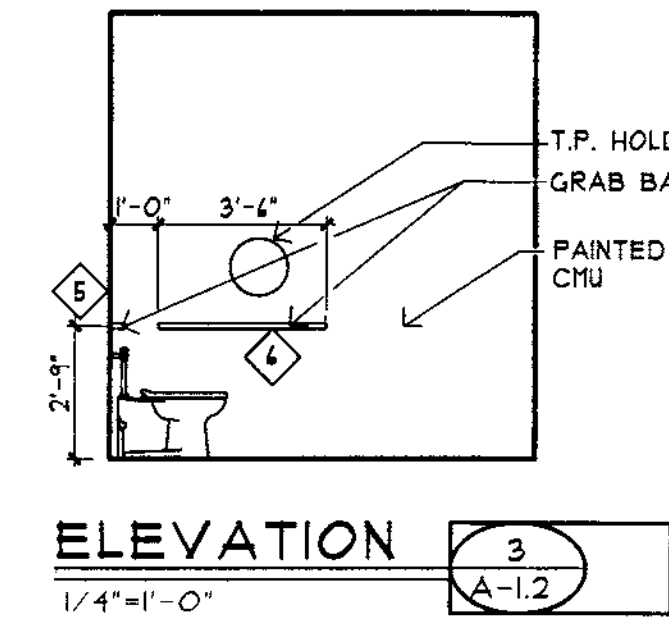
NOTES:  
1. REFERENCE TO SIZE AND TYPE OF ACCESSORY GIVEN WITH REFERENCE TO "BOSCHER BATHROOM EQUIPMENT" MODEL NUMBERS.  
2. STRUCTURAL STRENGTH FOR ALL GRAB BARS SHALL BE 250 LB/F.

NOTE: INSTALL ELECTRICAL BOXES TO EXTEND 1/4" BEYOND WALL SO AS TO BE FLUSH W/ SPORTS FLOORING WAINSCOT TYPICAL THIS AREA.

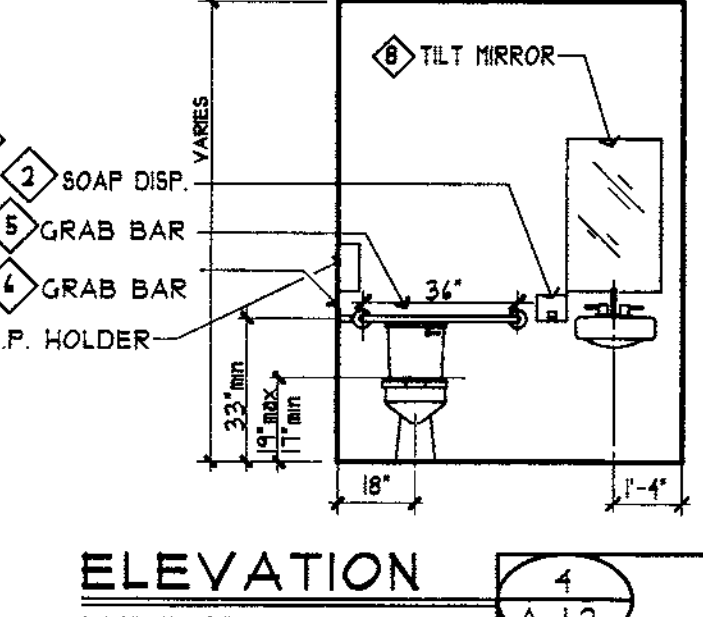


**ELEVATION 1** 1/4" = 1'-0" (A-1.2)

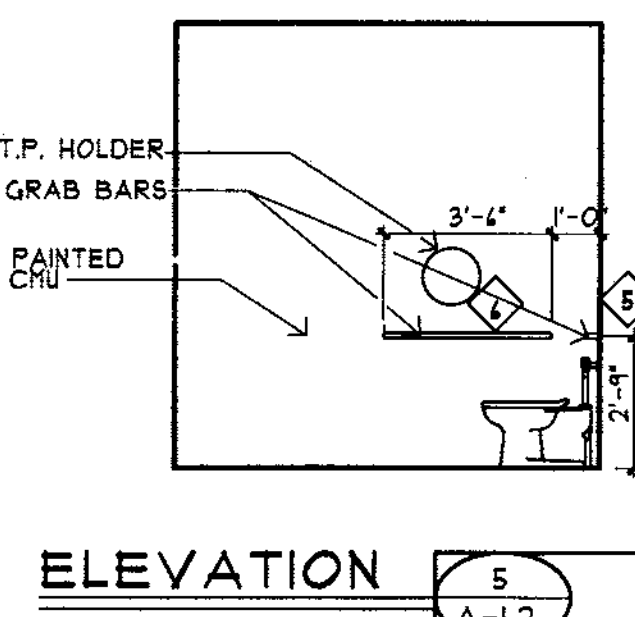
**ELEVATION 2** 1/4" = 1'-0" (A-1.2)



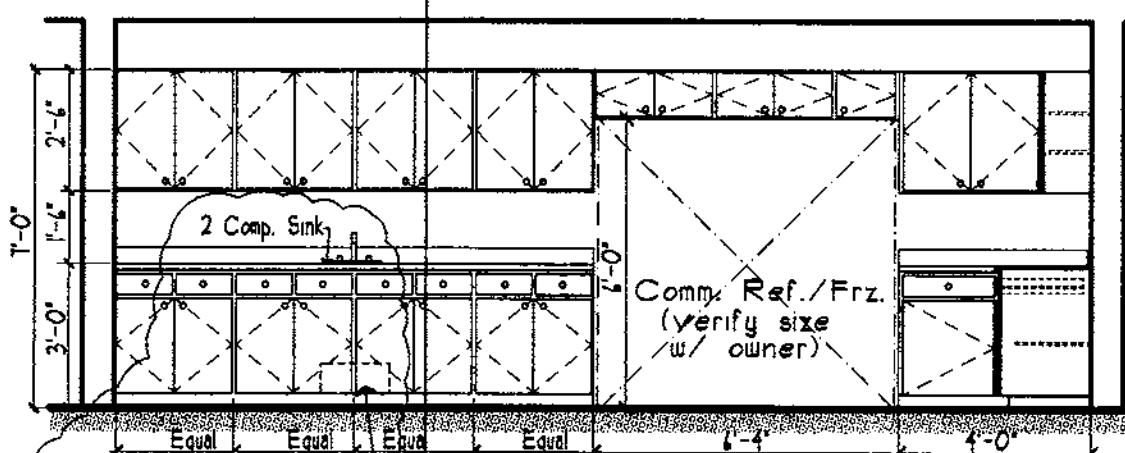
**ELEVATION 3** 1/4" = 1'-0" (A-1.2)



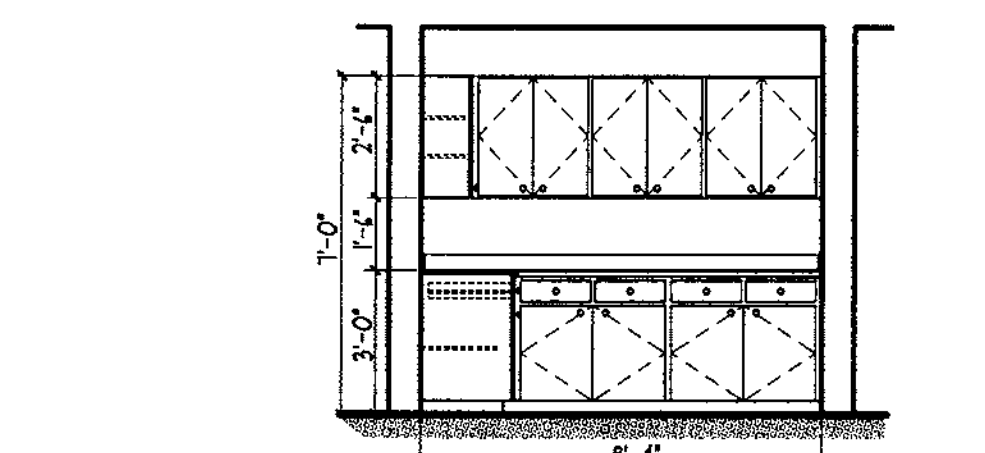
**ELEVATION 4** 1/4" = 1'-0" (A-1.2)



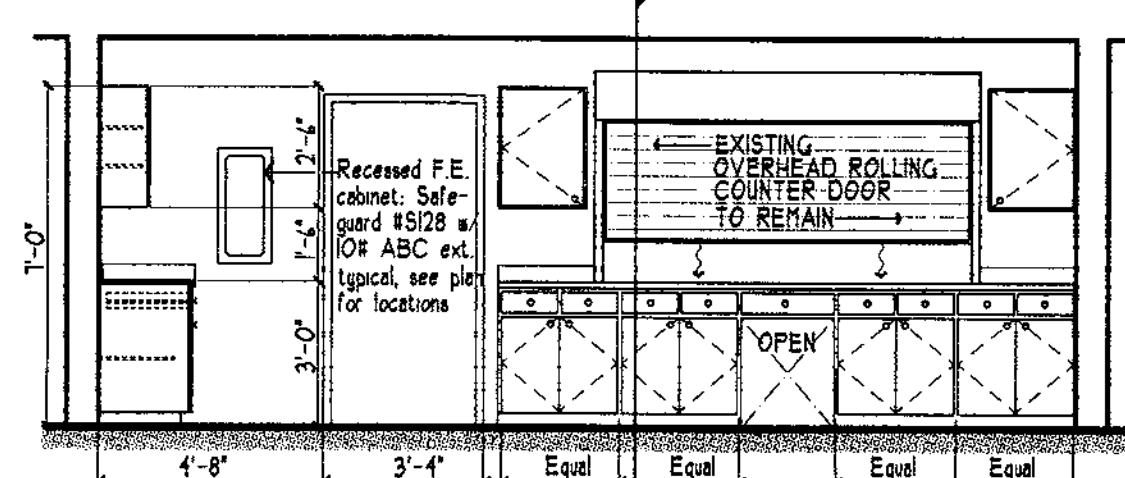
**ELEVATION 5** 1/4" = 1'-0" (A-1.2)



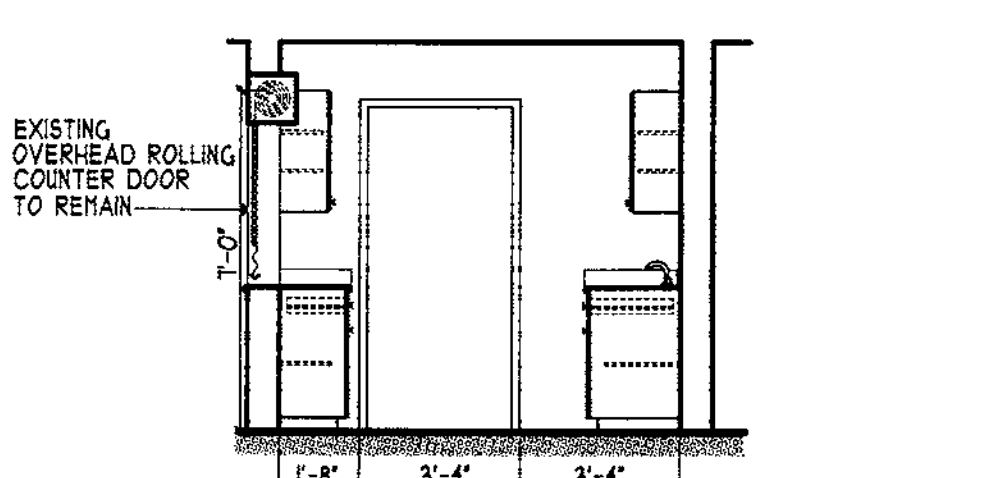
**BREAK RM. ELEVATION 6** 1/4" = 1'-0" (A-1.2)



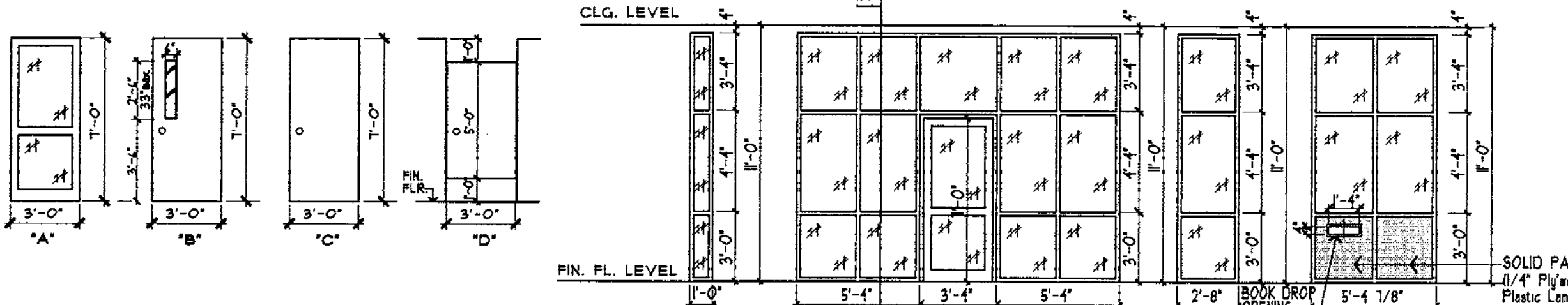
**BREAK RM. ELEVATION 7** 1/4" = 1'-0" (A-1.2)



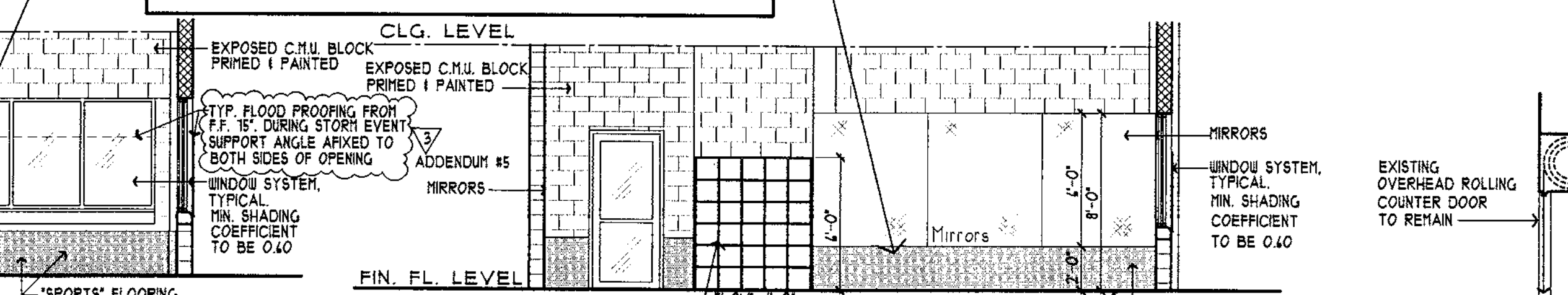
**BREAK RM. ELEVATION 8** 1/4" = 1'-0" (A-1.2)



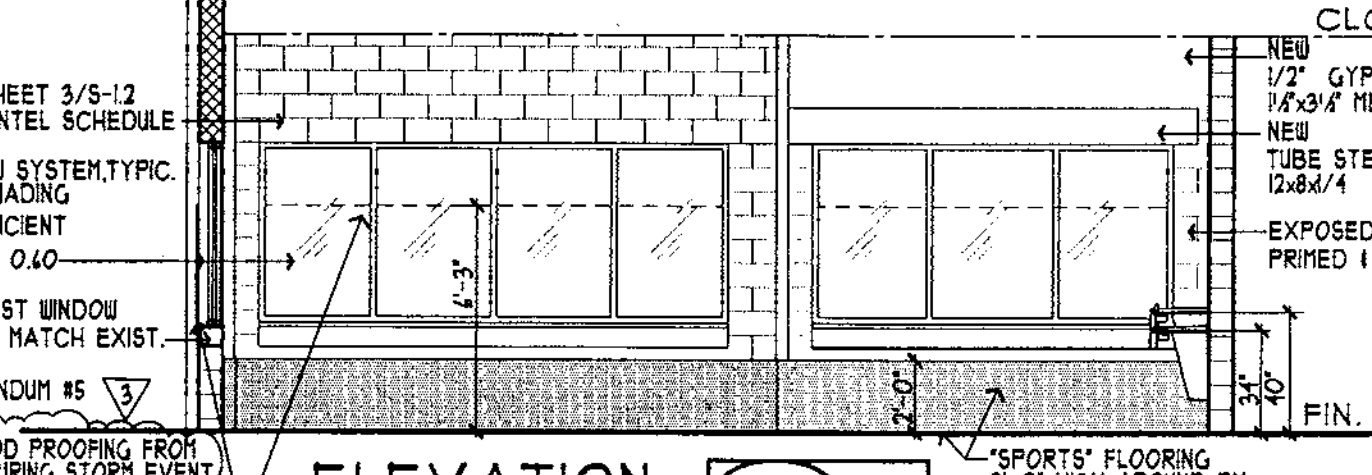
**BREAK RM. ELEVATION 9** 1/4" = 1'-0" (A-1.2)



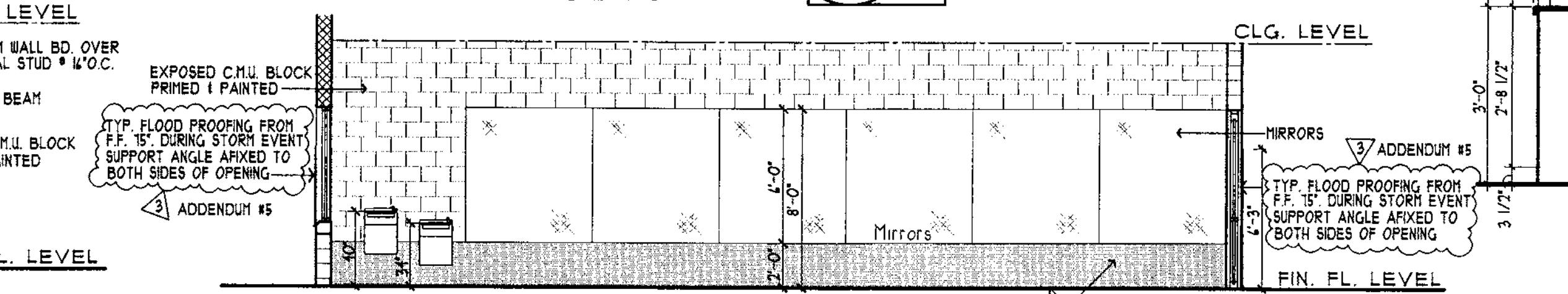
**ELEVATION A** 3/16" = 1'-0" (A-1.2)



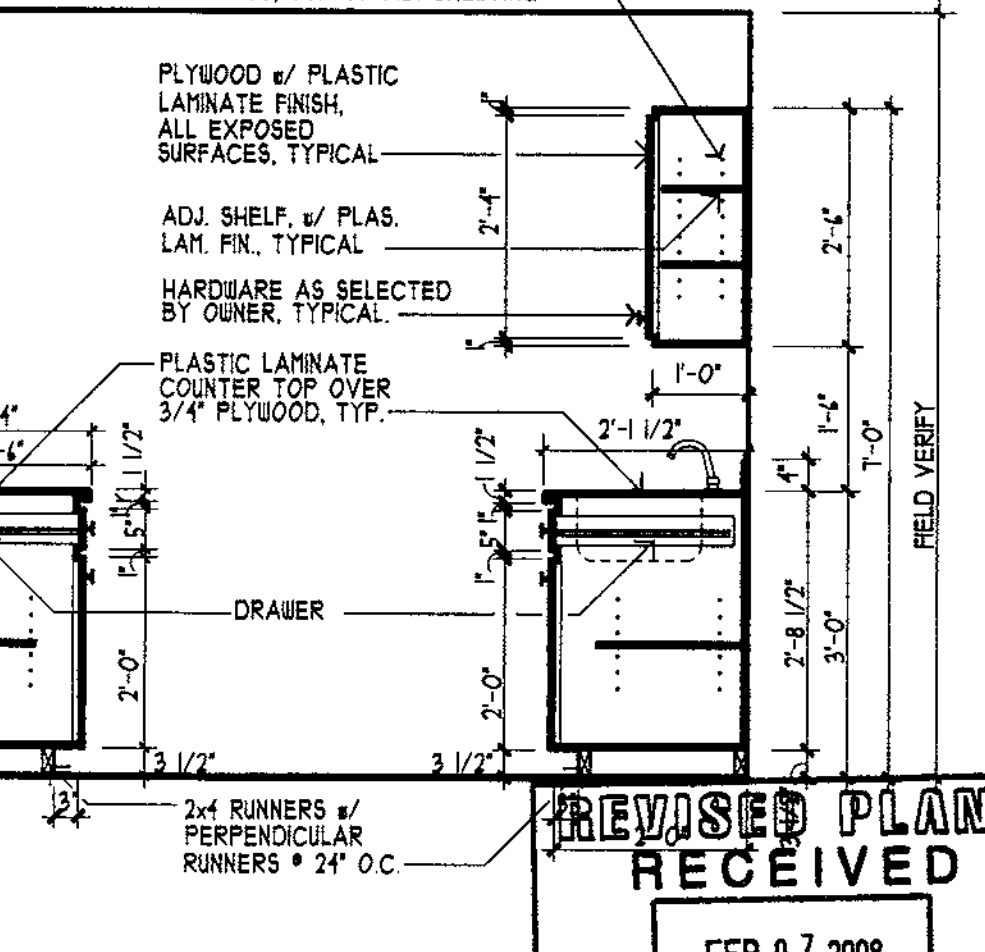
**ELEVATION G** 3/16" = 1'-0" (A-1.2)



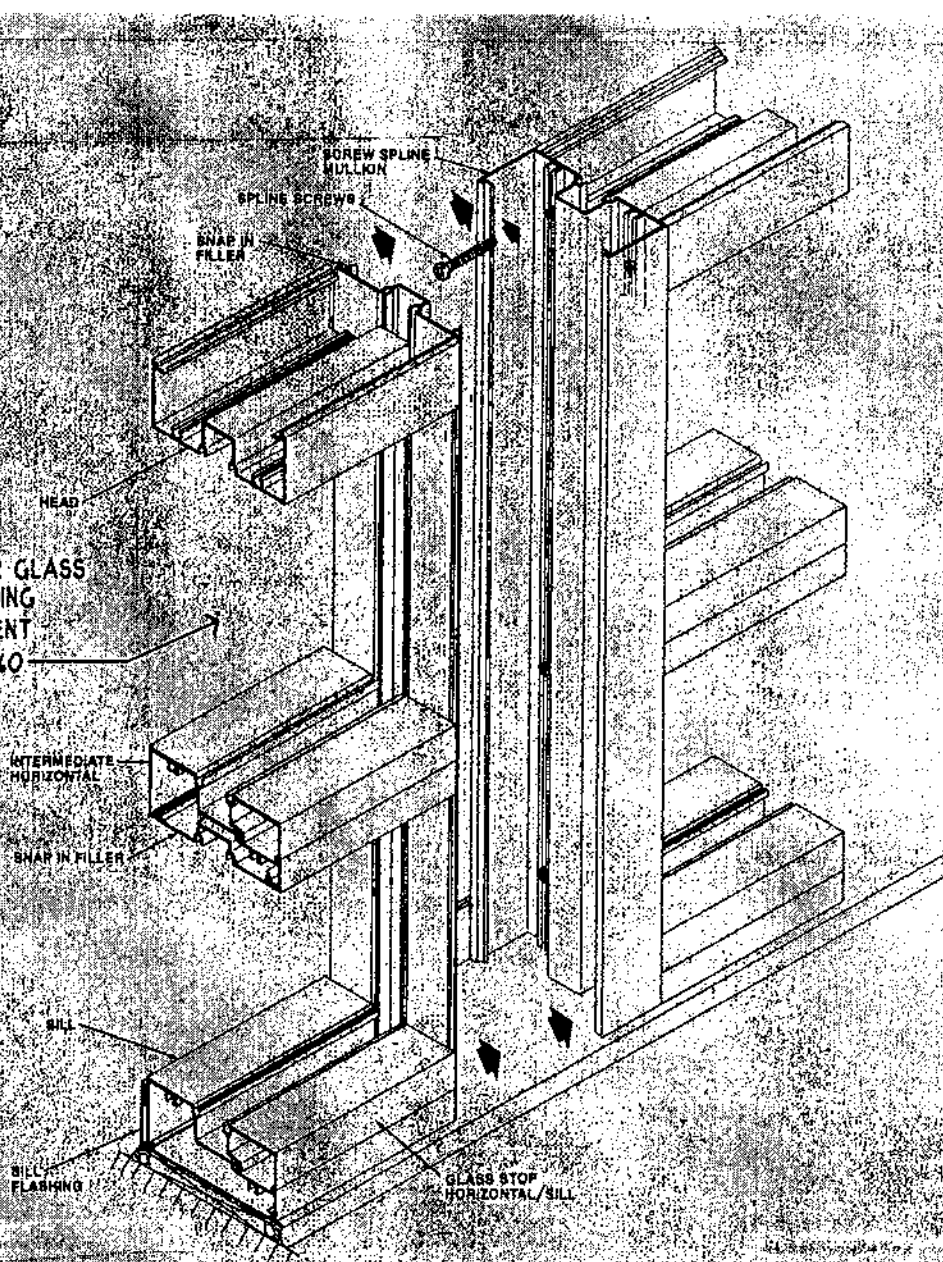
**ELEVATION H** 3/16" = 1'-0" (A-1.2)



**ELEVATION J** 3/16" = 1'-0" (A-1.2)



**CABINET SECTION I** 1/2" = 1'-0" (A-1.2)



**DETAIL E** NO SCALE (A-1.2)

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 142 OULDER STREET CLEARWATER, FLORIDA 34625  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-0005441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AC000665

DATE	NO.	REVISION	BY	AV
12 Nov '07	1	REVISED HEIGHT FLOOD PROOFING	SRF	AV
12 Nov '07	2	ADDED WIRE FOR EMB. GROUNDING	SRF	AV
12 Nov '07	3	REVISED FLOOD PROOFING	SRF	AV

DATE: 07 Nov '07  
 DRAWN BY: SRF AV

Schedules & Details  
**Clearwater Beach Library & Recreation Center Consolidation**  
 41 BAY ESPLANADE CLEARWATER, FLORIDA 34625

REVISIONS RECEIVED  
 FEB 07 2008  
 DEVELOPMENT & NEIGHBORHOOD SERVICES  
 CITY OF CLEARWATER

PROJECT NO: 07-214  
 SHEET NO: A-1.2



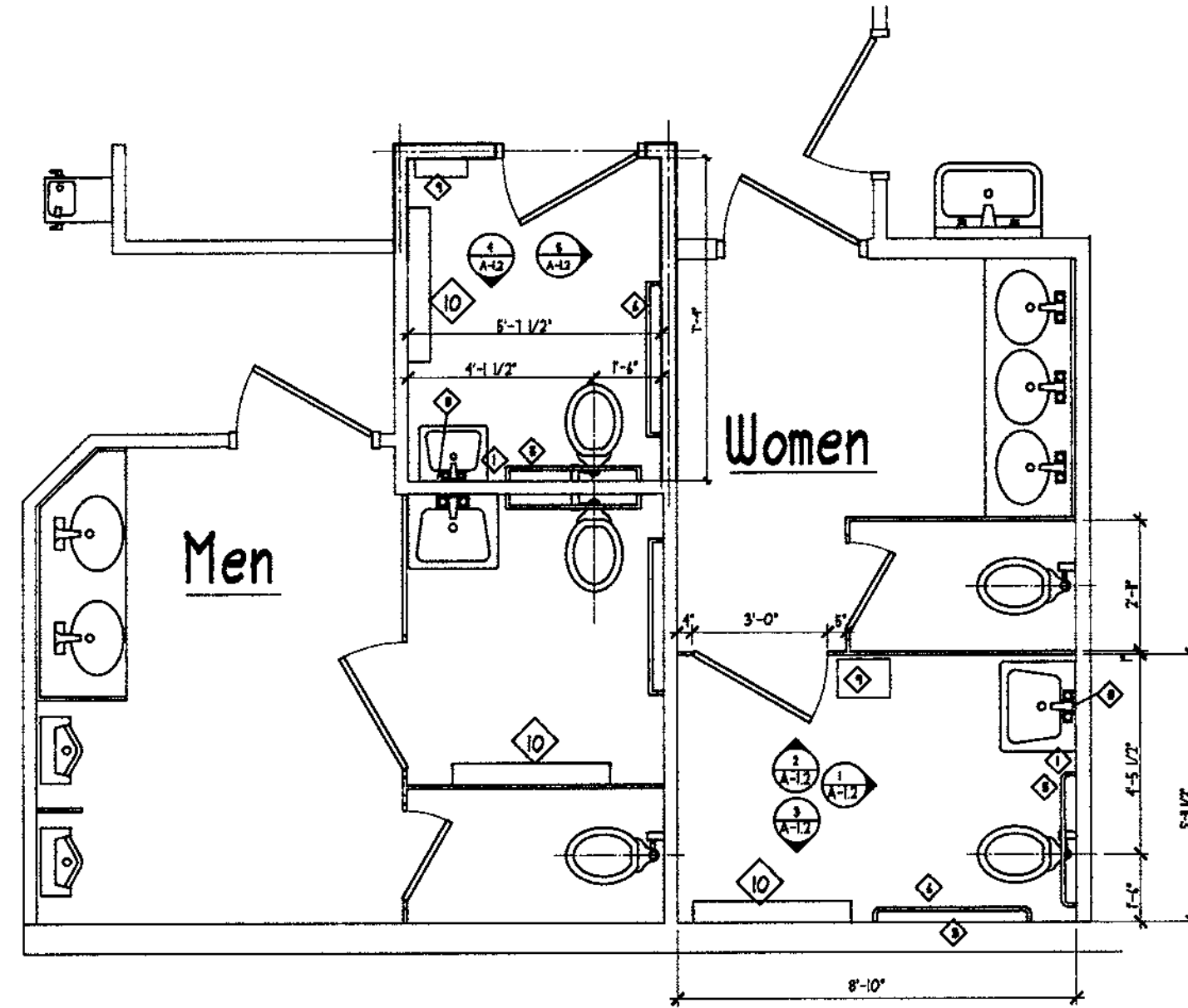
**ROOM FINISH SCHEDULE**

ROOM	FLOOR	BASE	WALLS	CEILING	CEILING HEIGHT	REMARKS
LOBBY (EXISTING)	SEE REMARKS	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	EXISTING TO REMAIN	NEW TILE FLOORING (ALTERNATE #3) SEE COMMENTS FOR NEW FLOORING
SOCIAL HALL (EXISTING)						
LIBRARY	3/4" 24" x 1/10" CARPET TILES	4" VINYL STRAIGHT	EXPOSED CONC. BLOCK / PAINT	2" x 2" ACOUST. TILES IN EXP. "T" GRID SYSTEM	HATCH EXISTING	
MULTI-PURPOSE ROOM	3/4" 24" x 1/10" QUARTZ TILE	4" VINYL COVE				SEE REFL. CLG. PLAN FOR DROP CEILING
FITNESS/WEIGHT ROOM	SPORTS FLOORING BY OWNER					PROVIDE 2" HIGH WAINSCOT OF SPORTS FLOORING MATERIAL (BY OWNER)
STORAGE #1	3/4" 24" x 1/10" QUARTZ TILE				9'-0"	
STORAGE #2				GYPSUM WALL/BD. PAINT	10'-0"	
STORAGE #3				2" x 2" ACOUST. TILES IN EXP. "T" GRID SYSTEM	10'-0"	
BREAK ROOM	3/4" 24" x 1/10" QUARTZ TILE	4" VINYL COVE	N.R. GYPSUM WALL/BD. PAINT	2" x 2" ACOUST. TILES IN EXP. "T" GRID SYSTEM	HATCH EXISTING	
COMPANION REST ROOM				N.R. GYPSUM WALL/BD. PAINT		
HALLWAY #1			EXPOSED CONC. BLOCK / PAINT	2" x 2" ACOUST. TILES IN EXP. "T" GRID SYSTEM		
HALLWAY #2				GYPSUM WALL/BD. PAINT		

NOTE: ALL AREAS WHERE NO WORK IS TO BE PERFORMED ARE TO REMAIN, TYPICAL

**ROOM FINISH NOTES**

- ALTERNATE #3: REMOVE EXISTING V.C.T. AND MASTIC; INSTALL LEVELING MASTIC AS APPROVED BY TILE MFG.
- CONTRACTOR SHALL FURNISH SAMPLES OF ALL FINISH MATERIALS FOR APPROVAL PRIOR TO ORDERING OR INSTALLATION
- SPORTS FLOORING SHALL BE FURNISHED AND INSTALLED BY OWNER. SLAB IS TO BE PREPARED AS PER MANUFACTURER'S RECOMMENDATIONS.



**Large Scale Toilet Plan** Scale: 3/8" = 1'-0"

**TOILET ACCESSORIES SCHEDULE**

MARK	DESCRIPTION	MODEL NO.
1	SURFACE MOUNT PAPER TOWEL DISPENSER/ RECEPT	Furnished by Owner, Installed by Contractor
2	SURFACE MOUNTED SOAP DISPENSER	Furnished by Owner, Installed by Contractor
3	SURFACE MOUNTED MULTI ROLL TOILET TISSUE DISPENSER	Furnished by Owner, Installed by Contractor
4	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL UNIT WOMEN'S ROOM ONLY.	Furnished by Owner, Installed by Contractor
5	34" GRAB BAR	B-490 x 34
6	42" GRAB BAR	B-490 x 42
7	MIRROR ON ENTIRE WALL OVER LAVATORY	
8	TILT MIRROR WITH SS. FRAME	B-293-1830
9	WALL MOUNTED WASTE RECEPTACLE 12"x 18"x 4"; Mount top 9"±0" A.F.F.	B-219
10	SURFACE MOUNT INFANT CHANGING TABLE	KOLALA

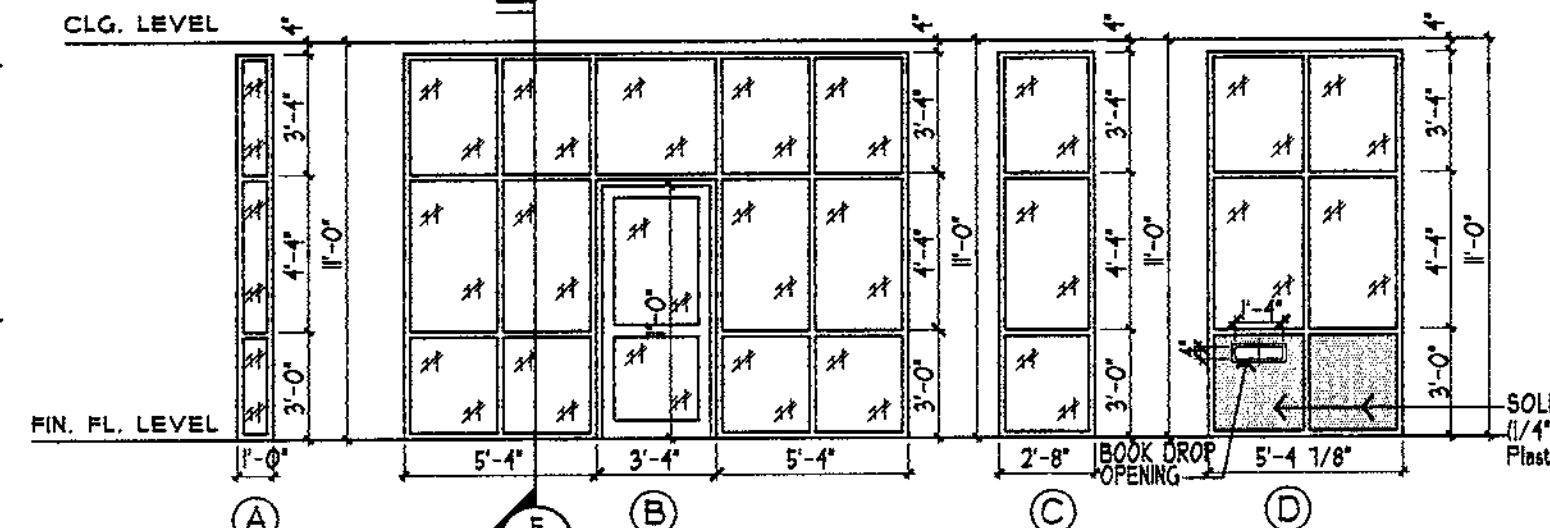
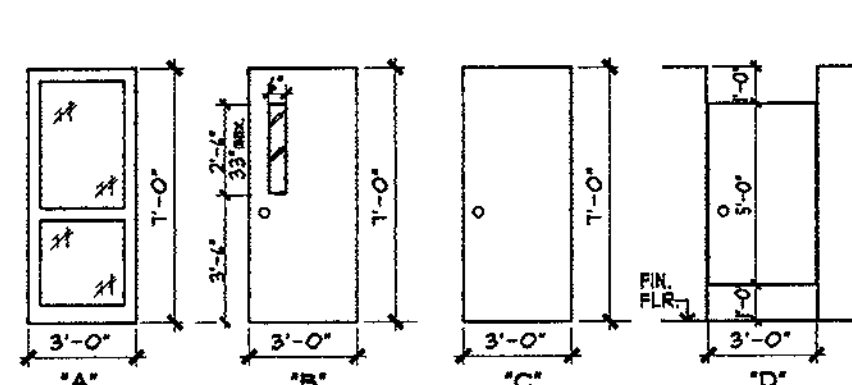
NOTES:  
 1. REFERENCE TO SIZE AND TYPE OF ACCESSORY GIVEN WITH REFERENCE TO SOURCE MANUFACTURER'S MODEL NUMBERS  
 2. STRUCTURAL STRENGTH FOR ALL GRAB BARS SHALL BE 250 L.B.F.

NOTE: INSTALL ELECTRICAL BOXES TO EXTEND 1/4" BEYOND WALL SO AS TO BE FLUSH W/ SPORTS FLOORING WAINSCOT TYPICAL THIS AREA.

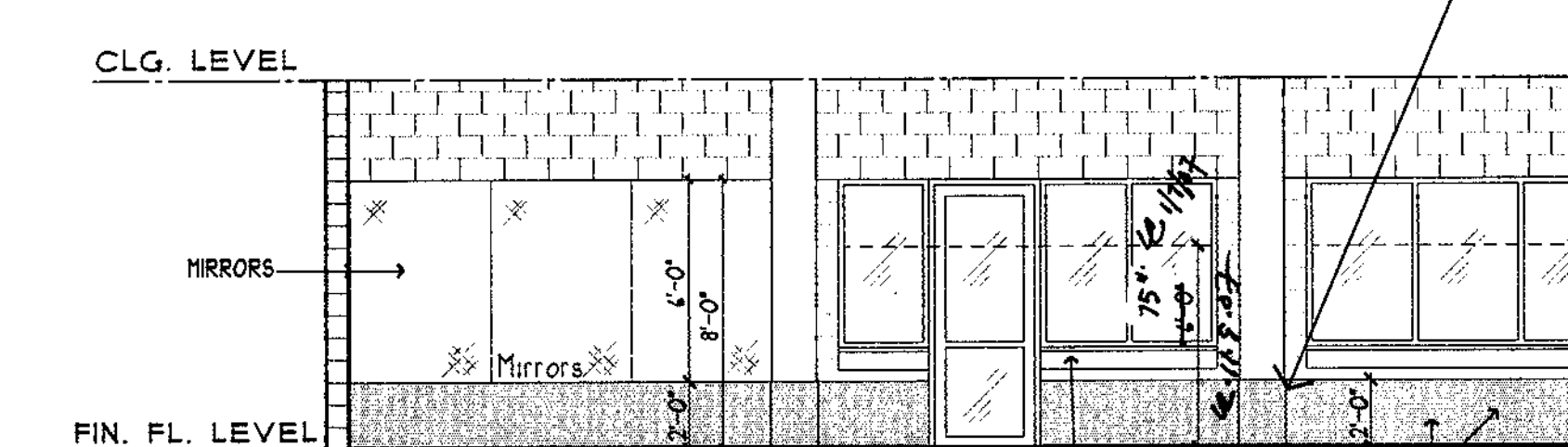
**DOOR SCHEDULE**

NOTE: ALL HARDWARE SHALL BE 'BEST' BRAND I PROVIDED WITH CYLINDERS TO MATCH OWNERS MASTER KEY SYSTEM

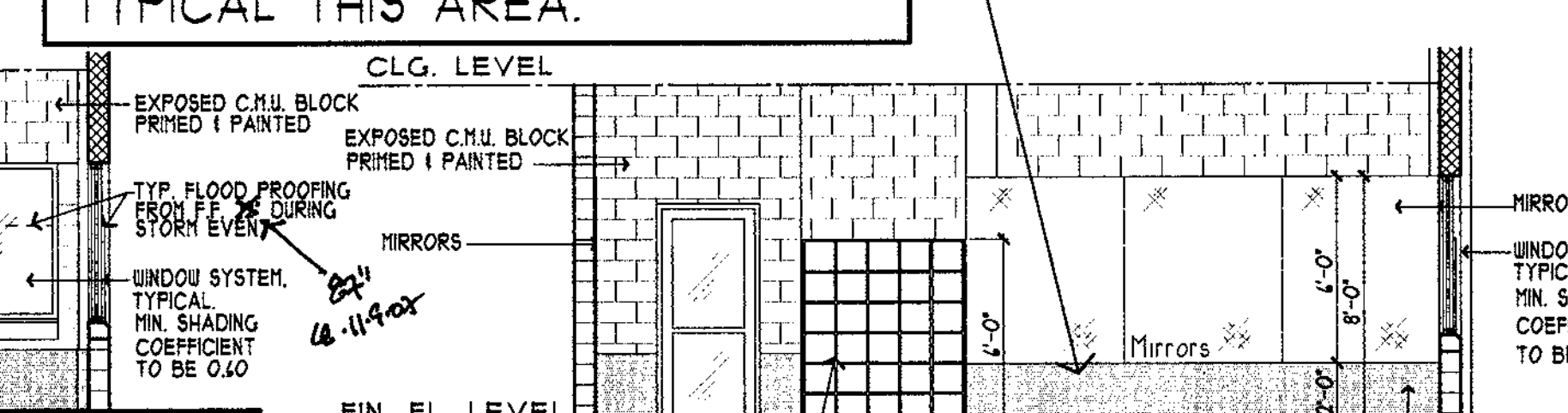
NO.	TYPE	SIZE	MATERIAL	FINISH	FRAME	LOCATION	HARDWARE	REMARKS
1	A	3'-0" x 10'-0"	H.C. METAL & GLASS	PRE-FIN.	PRE-FIN.	MULTI-PURPOSE ROOM	BY DOOR MFRG.: PROVIDE VON DUPREIN 'CHEXIT' CONTROLLED EXIT DEVICE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
2	A	3'-0" x 10'-0"	H.C. METAL & GLASS	PRE-FIN.	PRE-FIN.	FITNESS ROOM	BY DOOR MFRG.: PROVIDE VON DUPREIN 'CHEXIT' CONTROLLED EXIT DEVICE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
3	A	3'-0" x 10'-0"	H.C. METAL & GLASS	PRE-FIN.	PRE-FIN.	LIBRARY	BY DOOR MFRG.: CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
4	C	3'-0" x 10'-0"	WOOD	STAIN & FIN. TO MATCH EXISTING	PAINT	STORAGE #3	2 PR. 4" BUTTS(S.S.) 1 MORTISED LOCKSET	4" x 30" VIEW WINDOWS
5	B	3'-0" x 10'-0"	WOOD & GLASS		PAINT	BREAK RM.	2 PR. 4" BUTTS(S.S.) 1 MORTISED LOCKSET CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
6	C	3'-0" x 10'-0"	WOOD		PAINT	STORAGE #2	2 PR. 4" BUTTS(S.S.) 1 MORTISED LOCKSET CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
7	A	3'-0" x 10'-0"	H.C. METAL & GLASS	PRE-FIN.	PRE-FIN.	LIBRARY	BY DOOR MFRG.: CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
8	B	3'-0" x 10'-0"	WOOD & GLASS	STAIN & FIN. TO MATCH EXISTING	PRE-FIN.	FITNESS ROOM	BY DOOR MFRG.: CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
9	B	3'-0" x 10'-0"	WOOD & GLASS		PAINT	MULTI-PURPOSE ROOM	2 PR. 4" BUTTS(S.S.) 1 MORTISED LOCKSET CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
10	C	3'-0" x 10'-0"	WOOD		PAINT	STORAGE #1	2 PR. 4" BUTTS(S.S.) 1 MORTISED LOCKSET CLOSURE w/ HOLD OPEN FEATURE	CYLINDER TO BE BY BEST LOCKS & MASTERED TO CITY STANDARD
11	C	3'-0" x 10'-0"	WOOD		PAINT	COMPANION REST RM.	2 PR. 4" BUTTS(S.S.) PRIVACY SET	
12	D	3'-0" x 5'-0"	SOLID PLAS.	SOLID PLAS.		TOILET COMPARTMENT	BY DOOR MFRG.:	
13	C	3'-0" x 10'-0"	H.C. METAL	PAINT	PAINT	AIR HNDLR. CLOSET	2 PR. 4" BUTTS(S.S.) CLOSET SET	



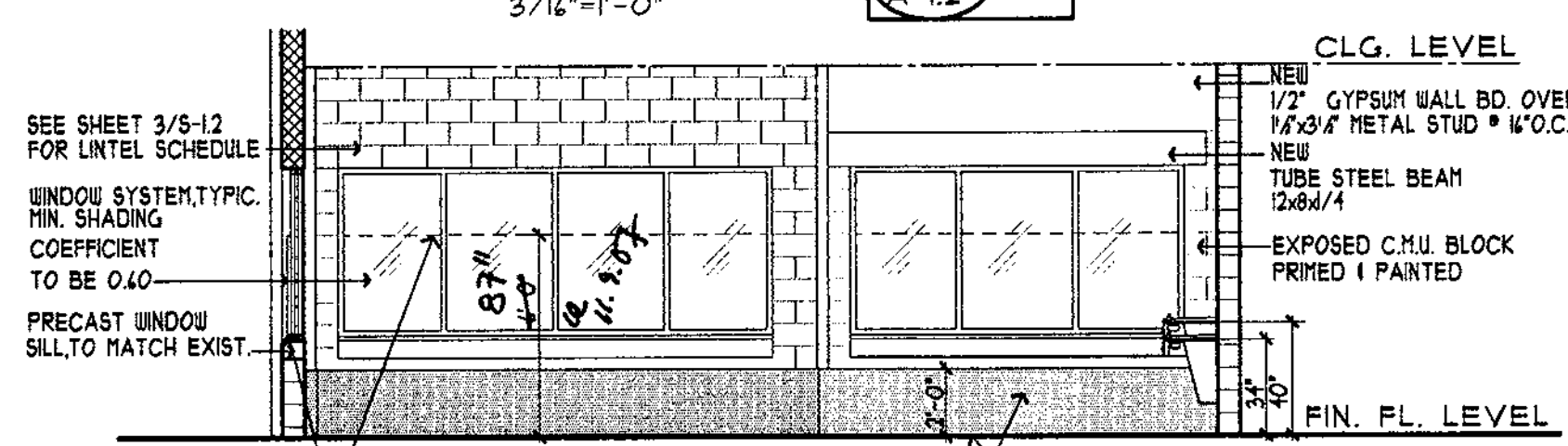
**ELEVATION ABCD** 3/16" = 1'-0"



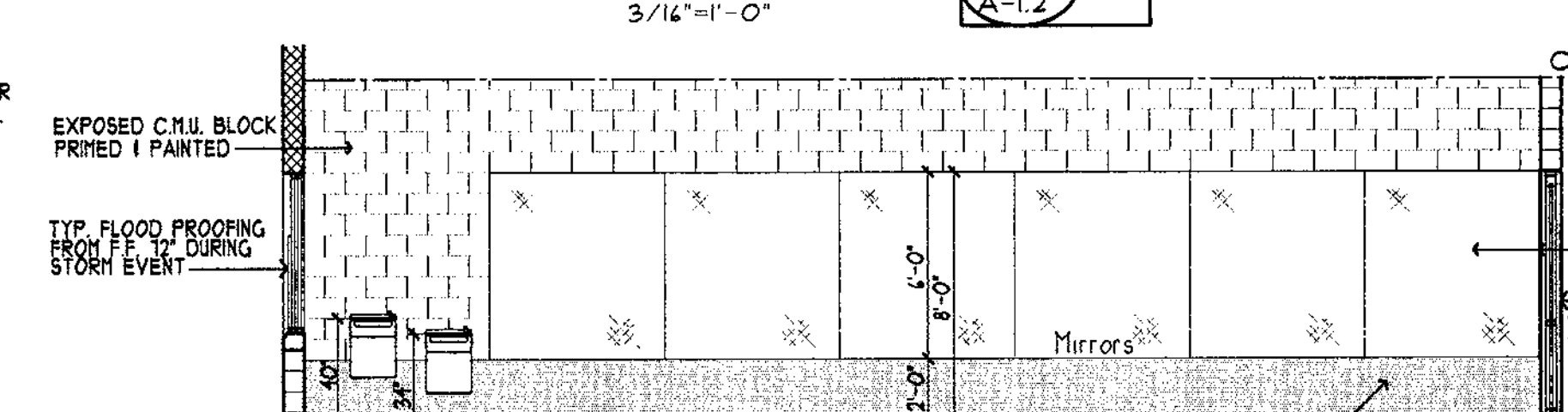
**ELEVATION F** 3/16" = 1'-0"



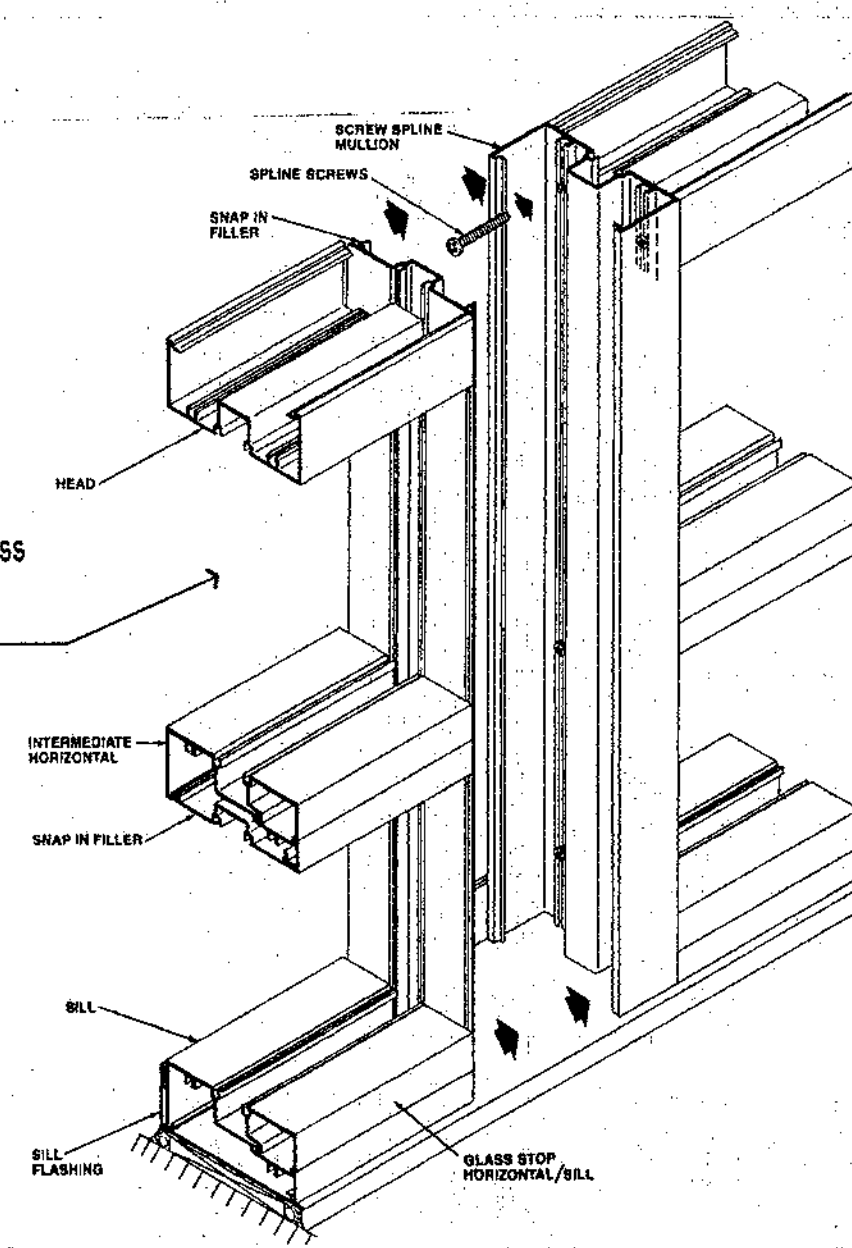
**ELEVATION G** 3/16" = 1'-0"



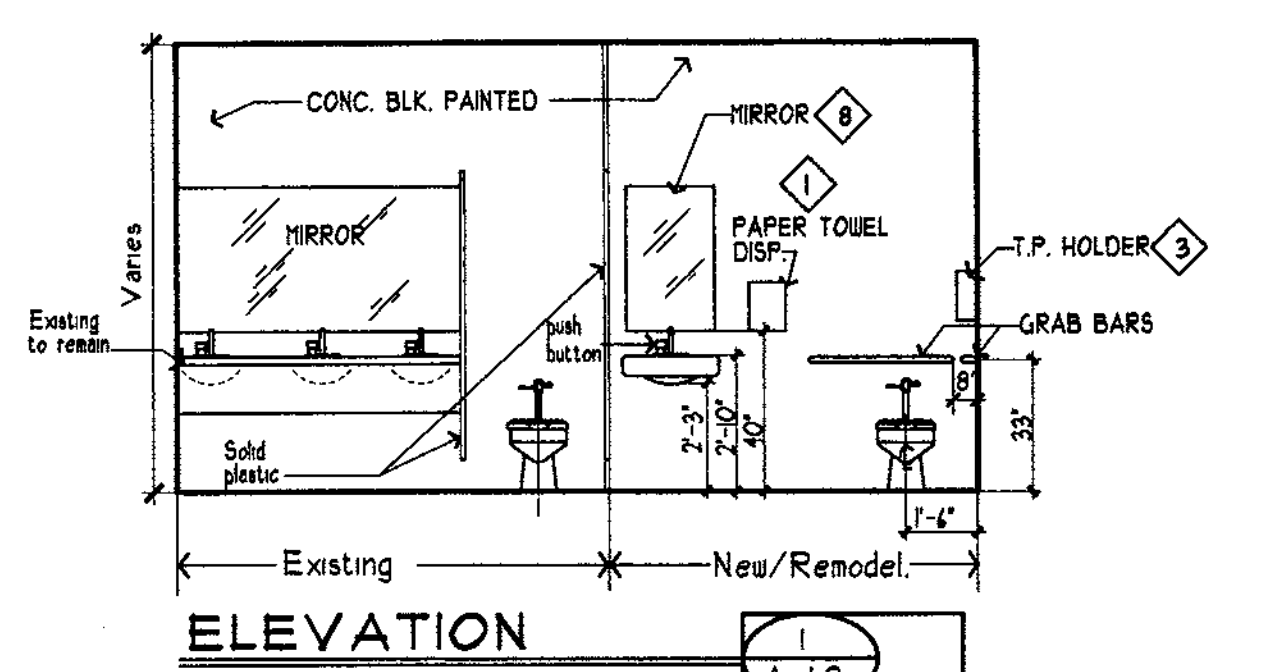
**ELEVATION H** 3/16" = 1'-0"



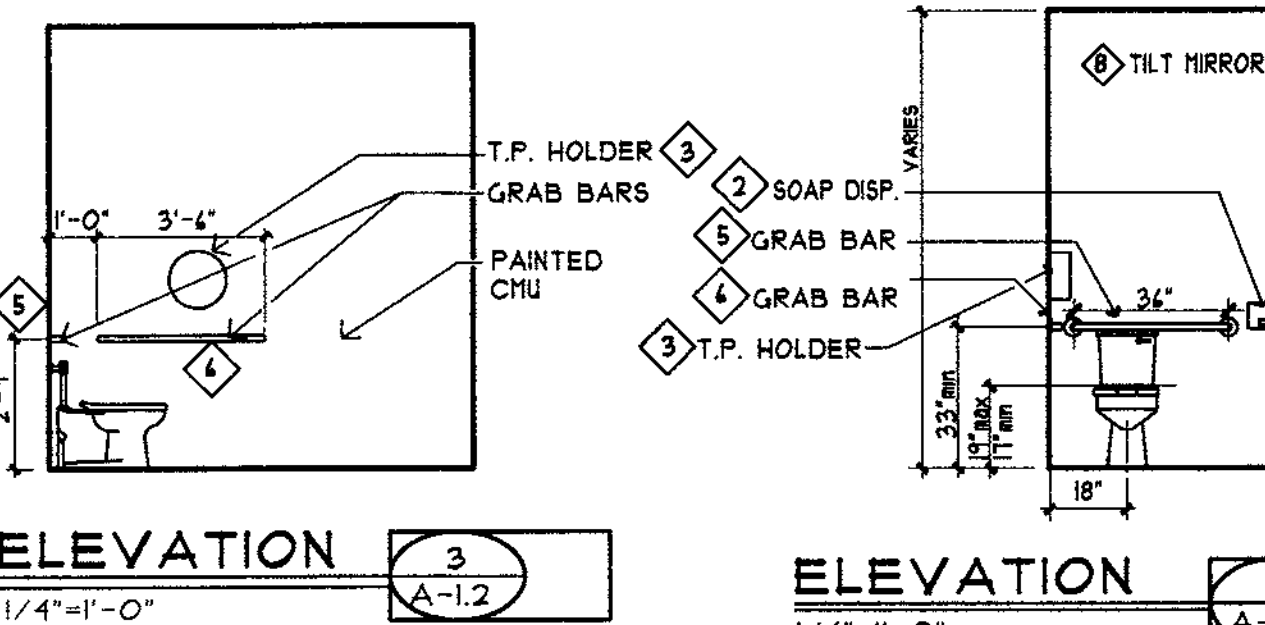
**ELEVATION J** 3/16" = 1'-0"



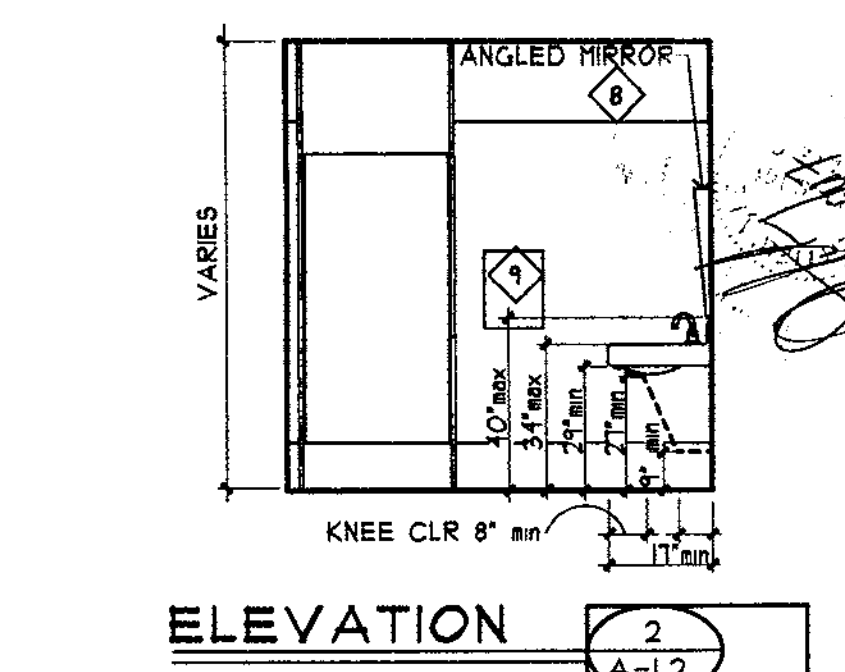
**DETAIL E** NO SCALE



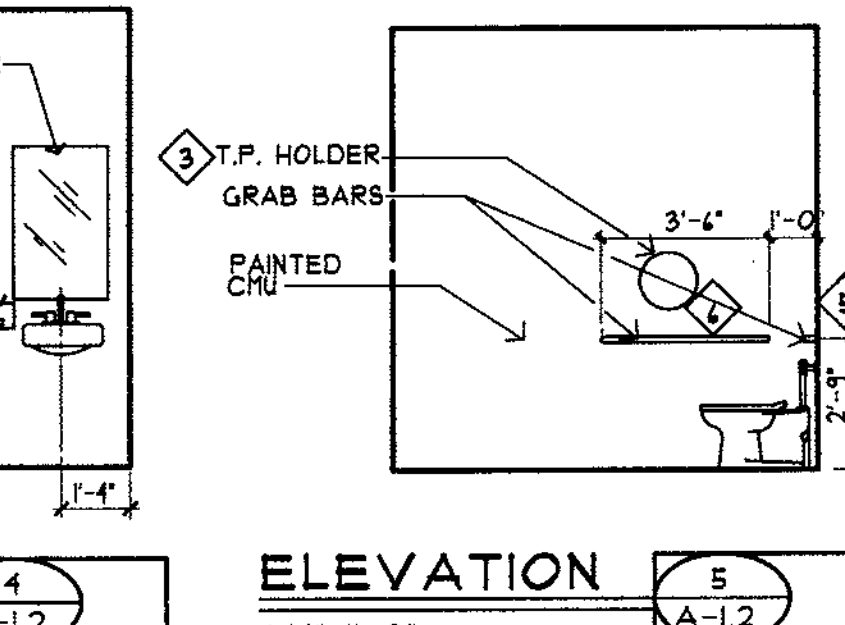
**ELEVATION 1** 1/4" = 1'-0"



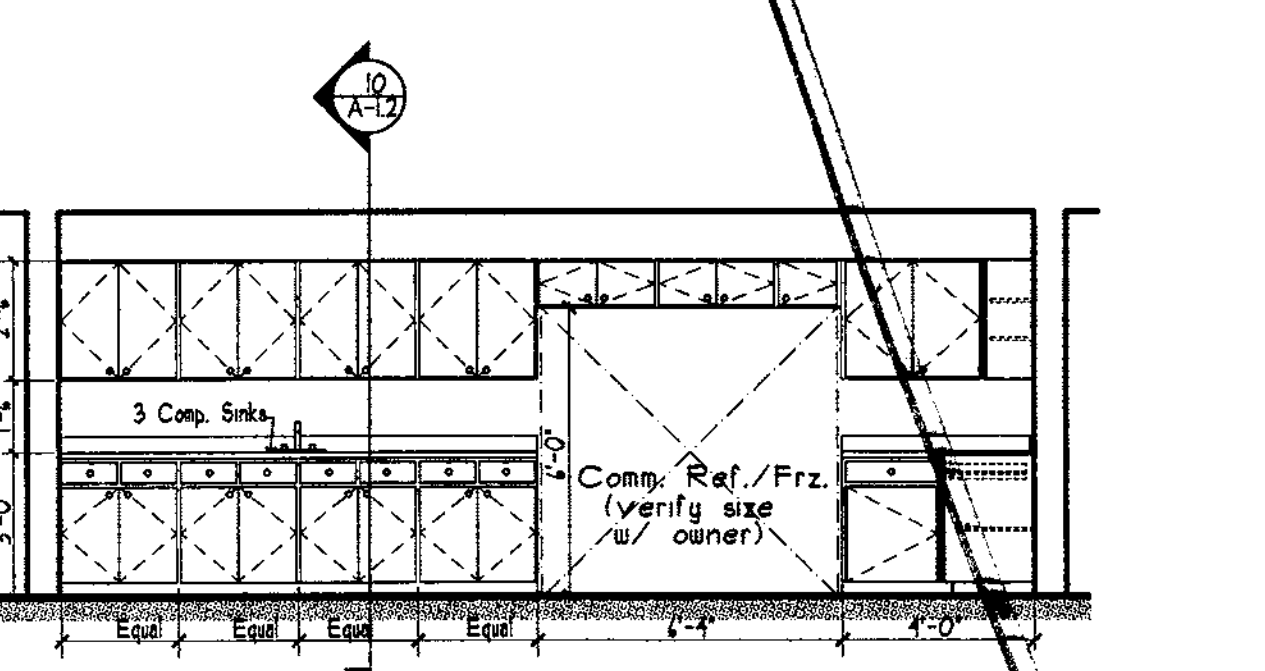
**ELEVATION 3** 1/4" = 1'-0"



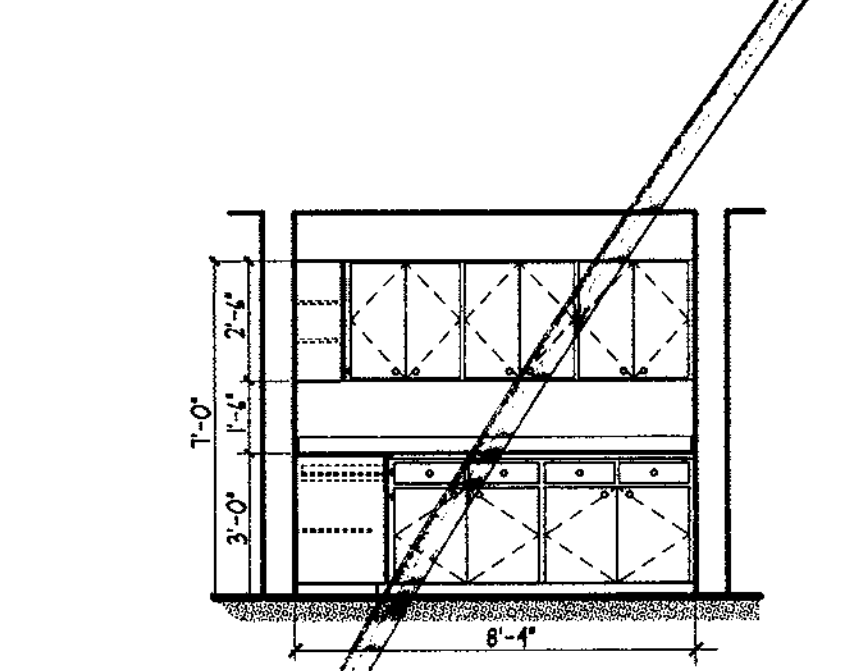
**ELEVATION 2** 1/4" = 1'-0"



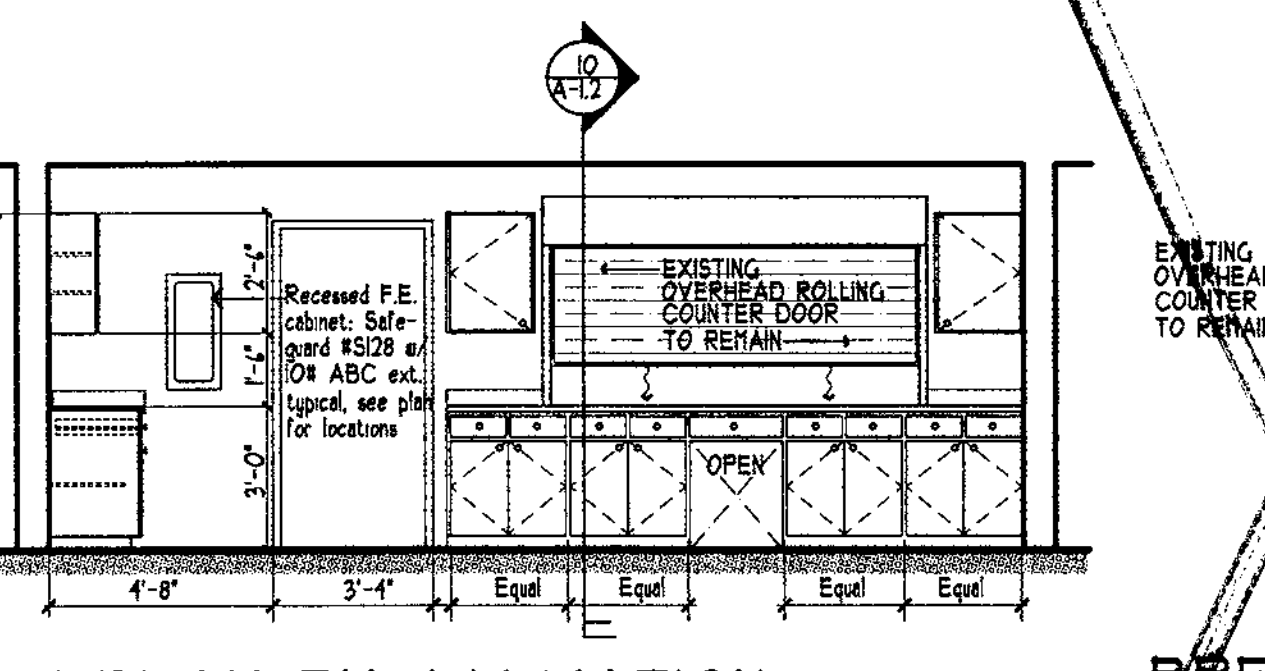
**ELEVATION 5** 1/4" = 1'-0"



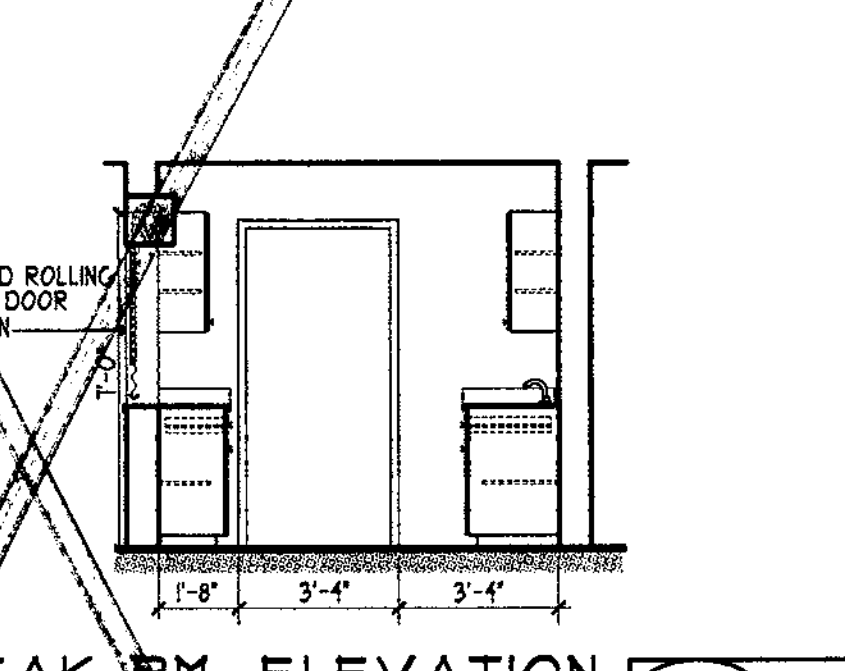
**BREAK RM. ELEVATION 6** 1/4" = 1'-0"



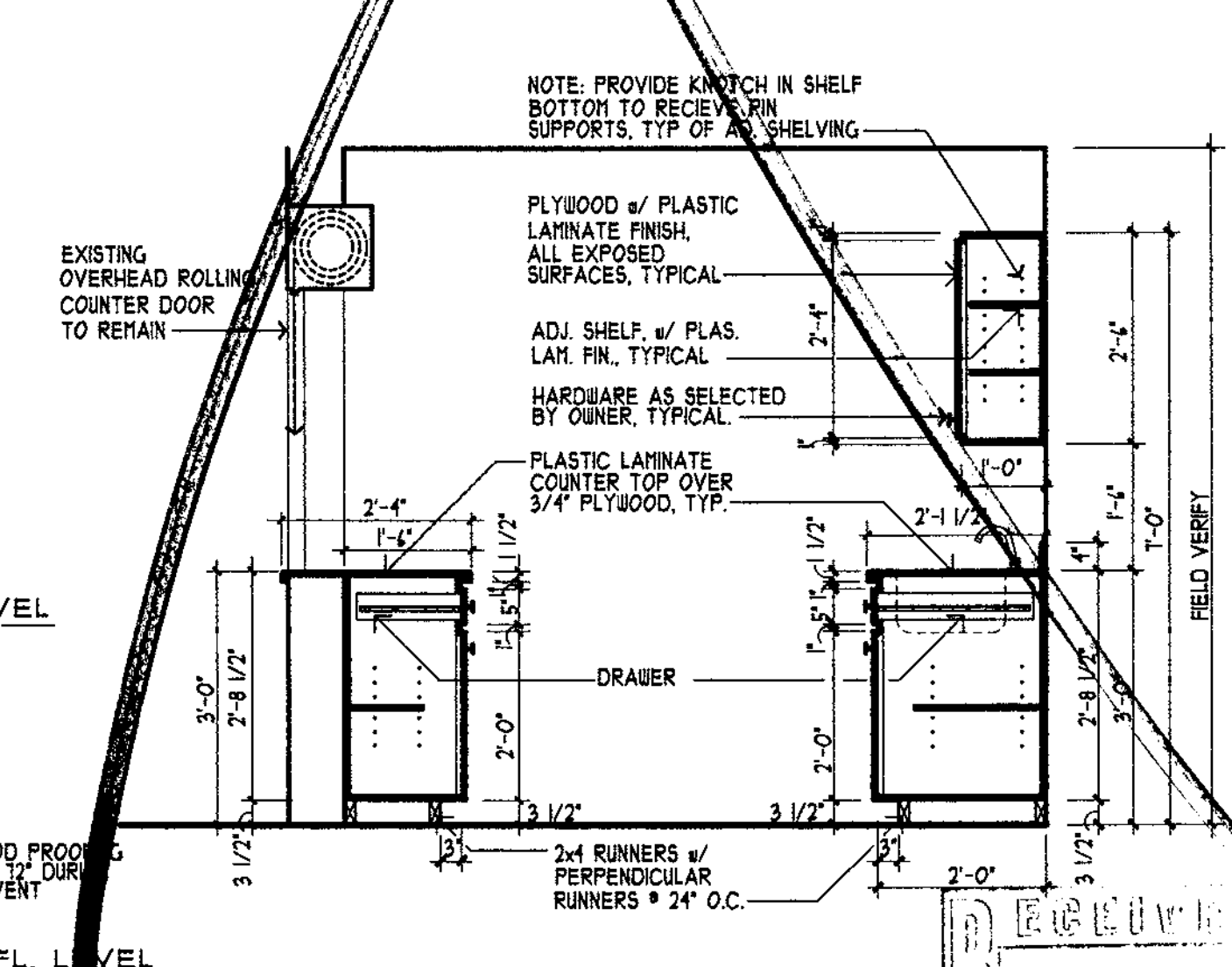
**BREAK RM. ELEVATION 7** 1/4" = 1'-0"



**BREAK RM. ELEVATION 8** 1/4" = 1'-0"



**BREAK RM. ELEVATION 9** 1/4" = 1'-0"



**CABINET SECTION 10** 1/2" = 1'-0"

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 142 COURT STREET CLEARWATER, FLORIDA 34625  
 TEL: (727) 461-6666 FAX: (727) 461-6665  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: SAC001665

STEPHEN R. FOWLER ARCHITECT

DATE: 07.Nov.'01

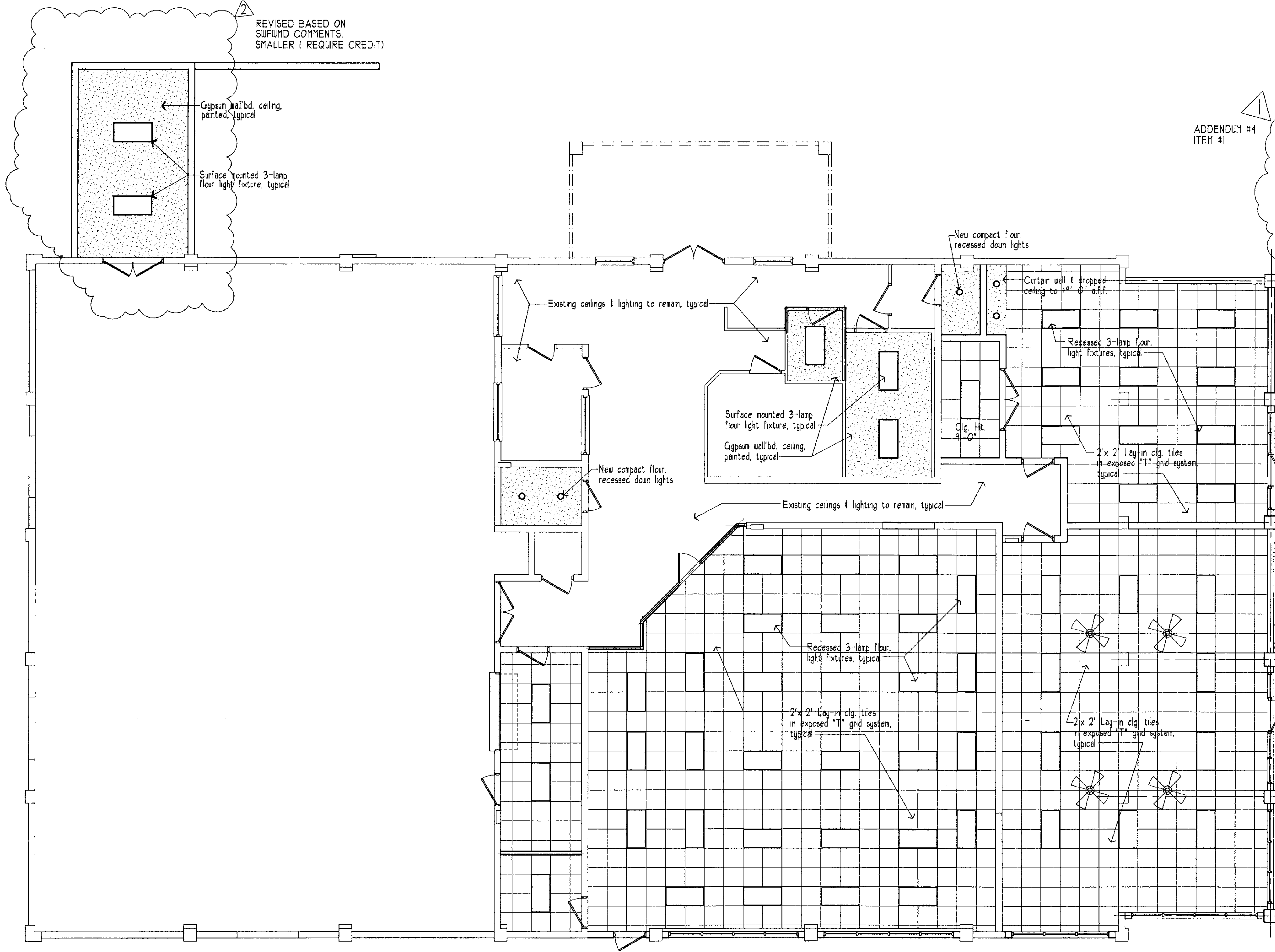
DRAWN: SRF AV

PROJECT NO: 07-214

SHEET NO: A-1.2

Schedules & Details  
 Clearwater Beach Library & Recreation Center Consolidation  
 47 BAY ESPLANADE 35161  
 CLEARWATER, FLORIDA 34611

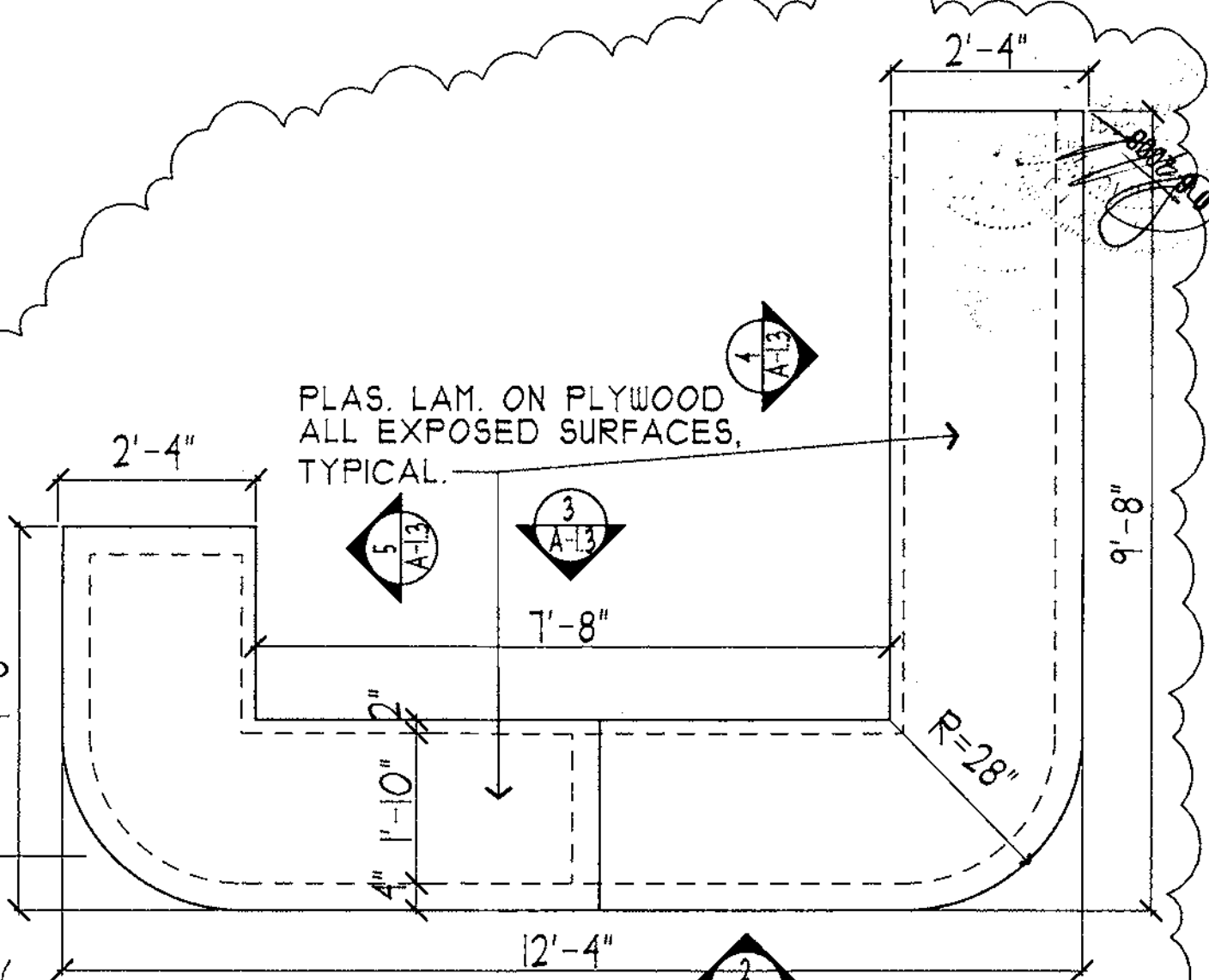
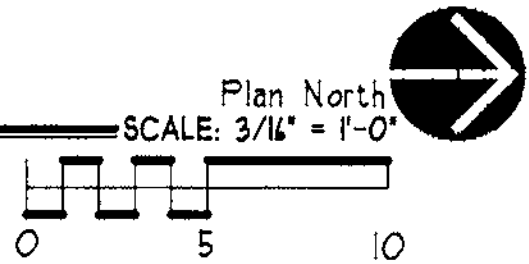
NOV 09 2007  
 DEVELOPMENT SERVICES DIVISION  
 CITY OF CLEARWATER, FL



REVISED BASED ON  
SUFUMD COMMENTS.  
SMALLER ( REQUIRE CREDIT)

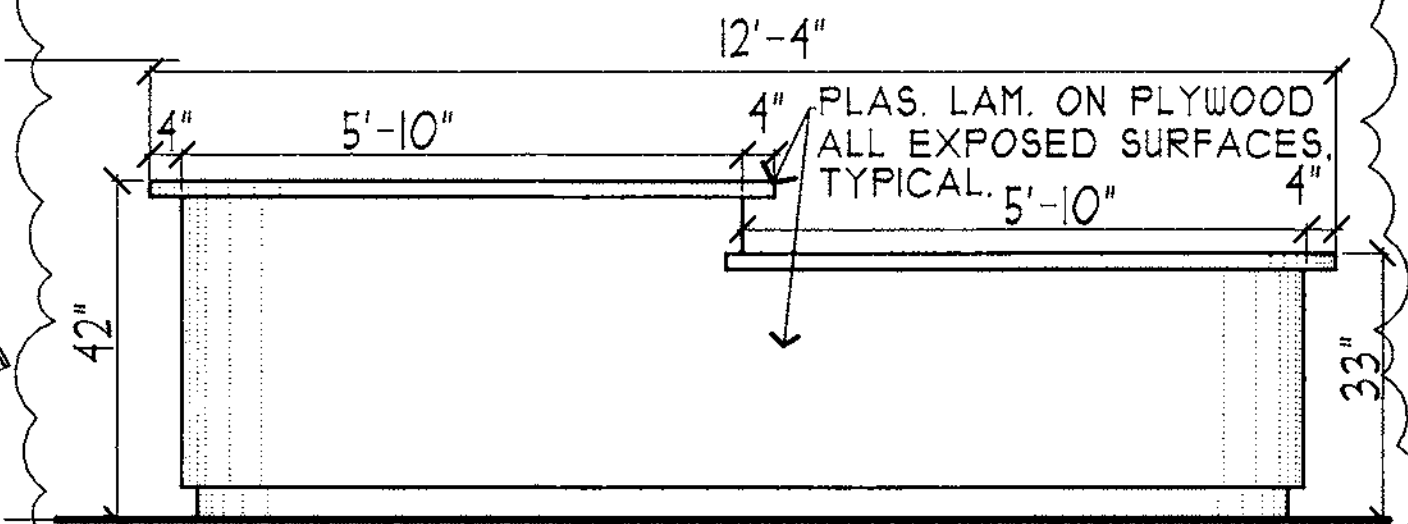
ADDENDUM #4  
ITEM #1

**Reflected Ceiling Plan**



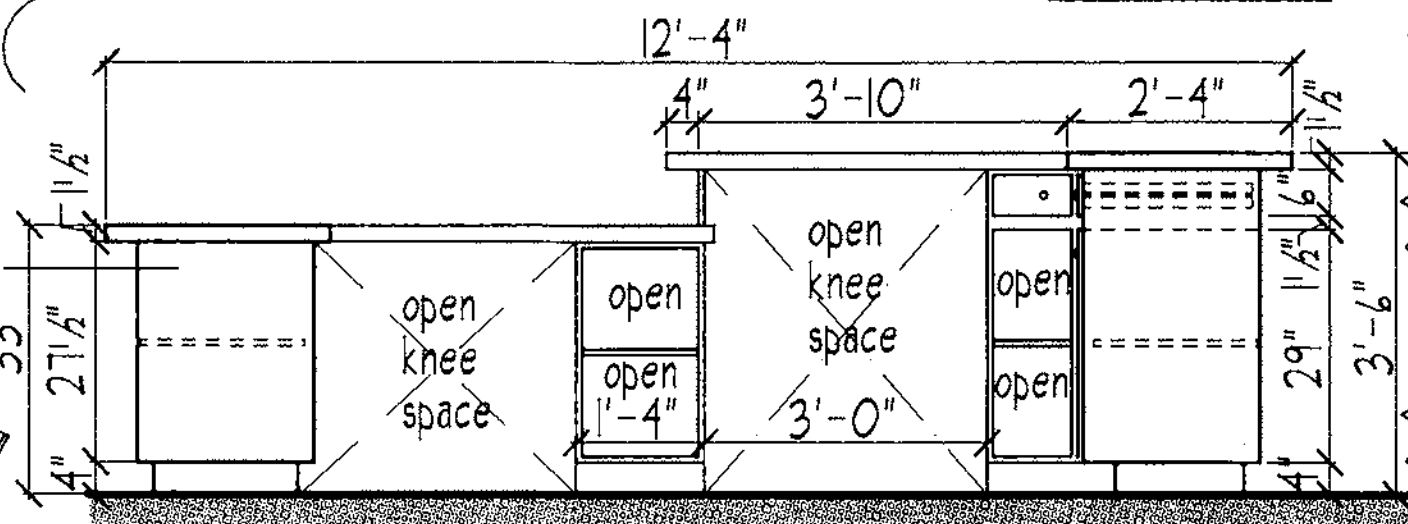
**TOP DESK ELEV.**

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



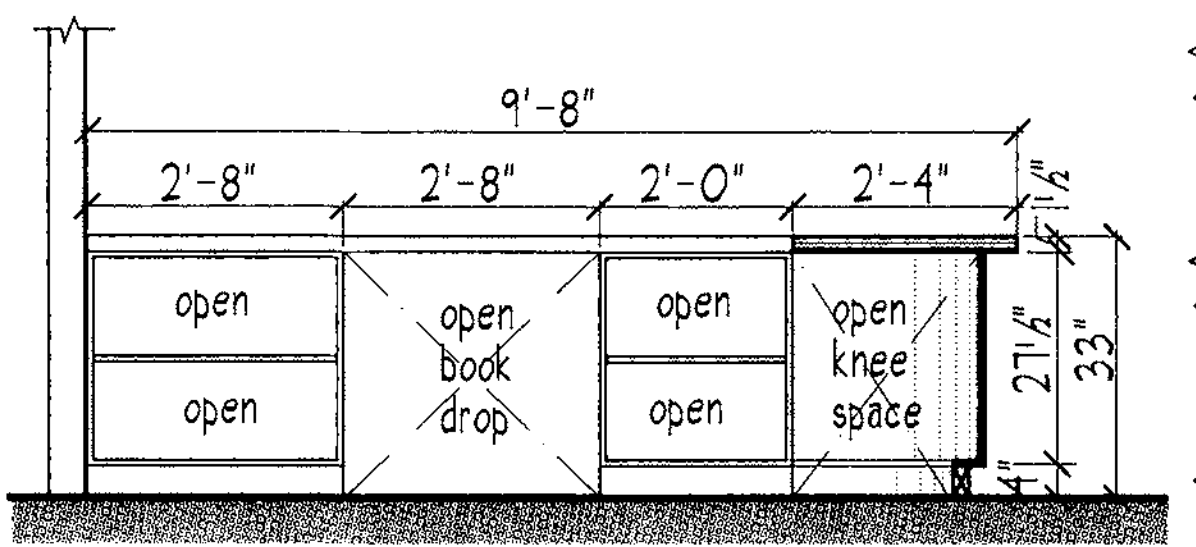
**FRONT DESK ELEV.**

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



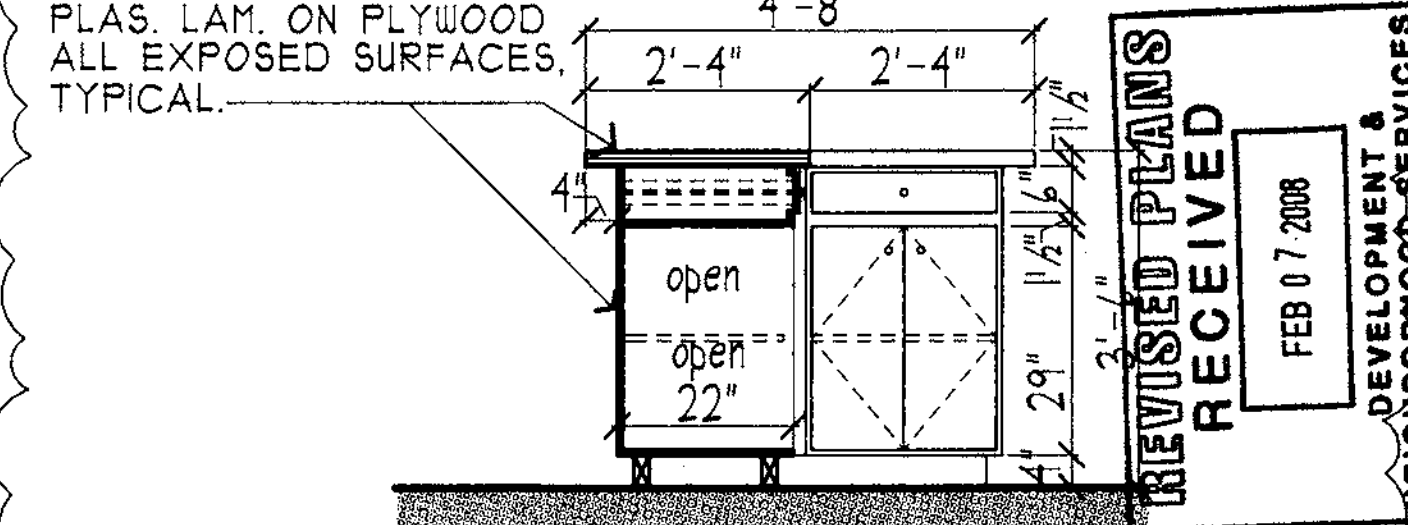
**FRONT DESK ELEV.**

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



**FRONT DESK ELEV.**

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



**FRONT DESK ELEV.**

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

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 142 COURT STREET CLEARWATER, FLORIDA 34625 (727) 447-5538 FAX (727) 447-5539  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-006441  
 CERTIFICATE OF CONSUMER AUTORIZATION NUMBER AC000696

BY: [Signature] AV  
 REVISION: [Signature] AV  
 REVISED FRONT DESK FOR REQUEST  
 REVISED FRONT DESK FOR CONTRACTOR

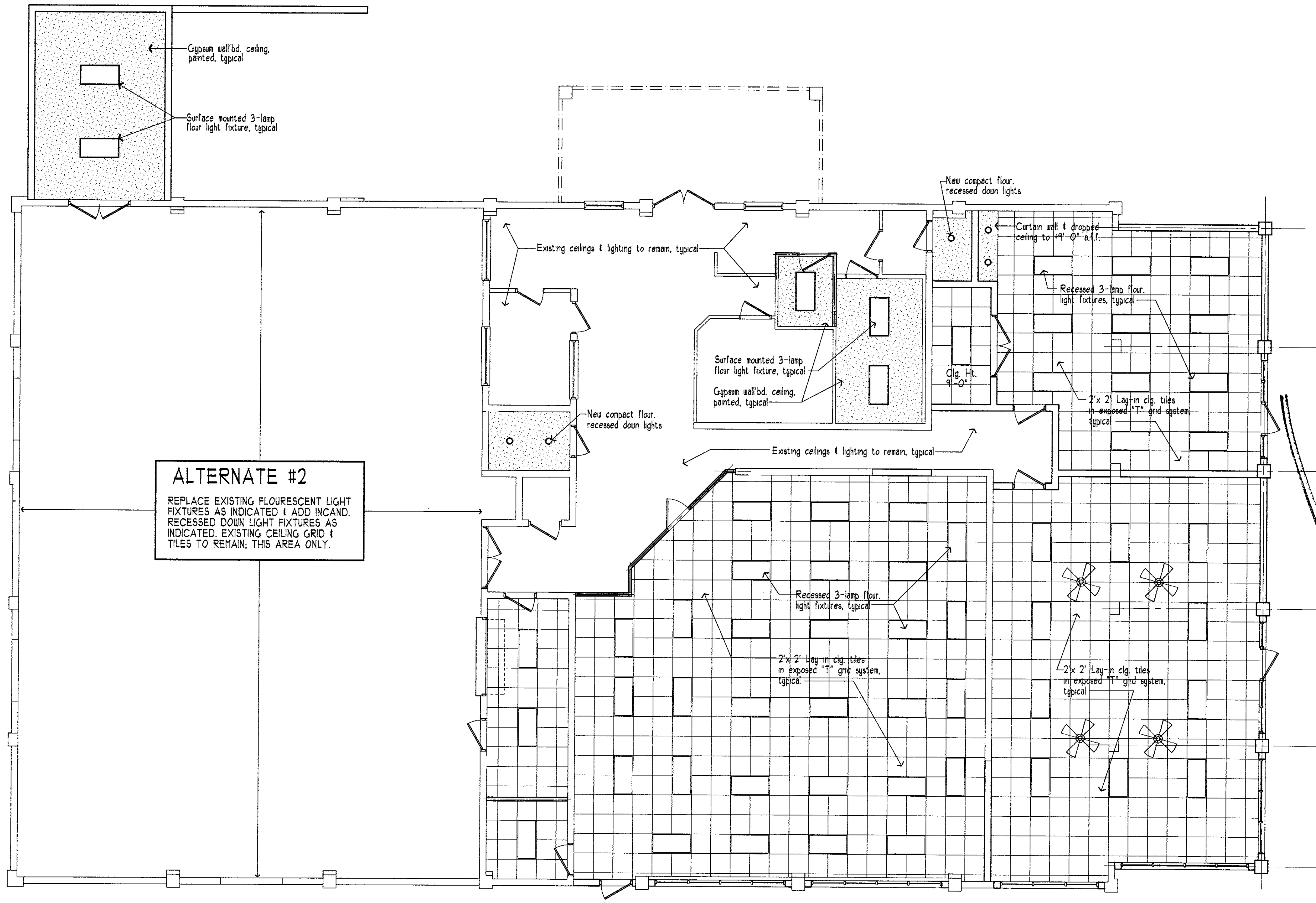
NO. 1  
 DATE 07 DEC 07  
 28 JAN 08

DRAWN: SRF  
 DATE: 07 Nov '01

Reflected Ceiling Plan  
**Clearwater Beach Library & Recreation Center Consolidation**  
 18 BAY ESPLANADE  
 CLEARWATER, FLORIDA 34617

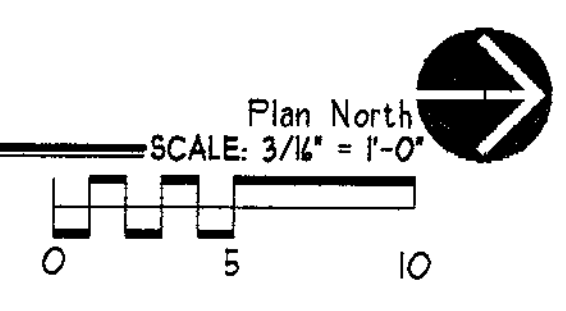
DEVELOPMENT & NEIGHBORHOOD SERVICES  
 PROJECT ON CLEARWATER BEACH  
 FEB 07 2008  
**REVISI'NS RECEIVED**

SHEET NO. 01-214  
 A-1.3



**ALTERNATE #2**  
 REPLACE EXISTING FLOURESCENT LIGHT FIXTURES AS INDICATED & ADD INCAND. RECESSED DOWN LIGHT FIXTURES AS INDICATED. EXISTING CEILING GRID & TILES TO REMAIN, THIS AREA ONLY.

Reflected Ceiling Plan



RECEIVED  
 NOV 09 2007  
 DEVELOPMENT SERVICES  
 CITY OF CLEARWATER

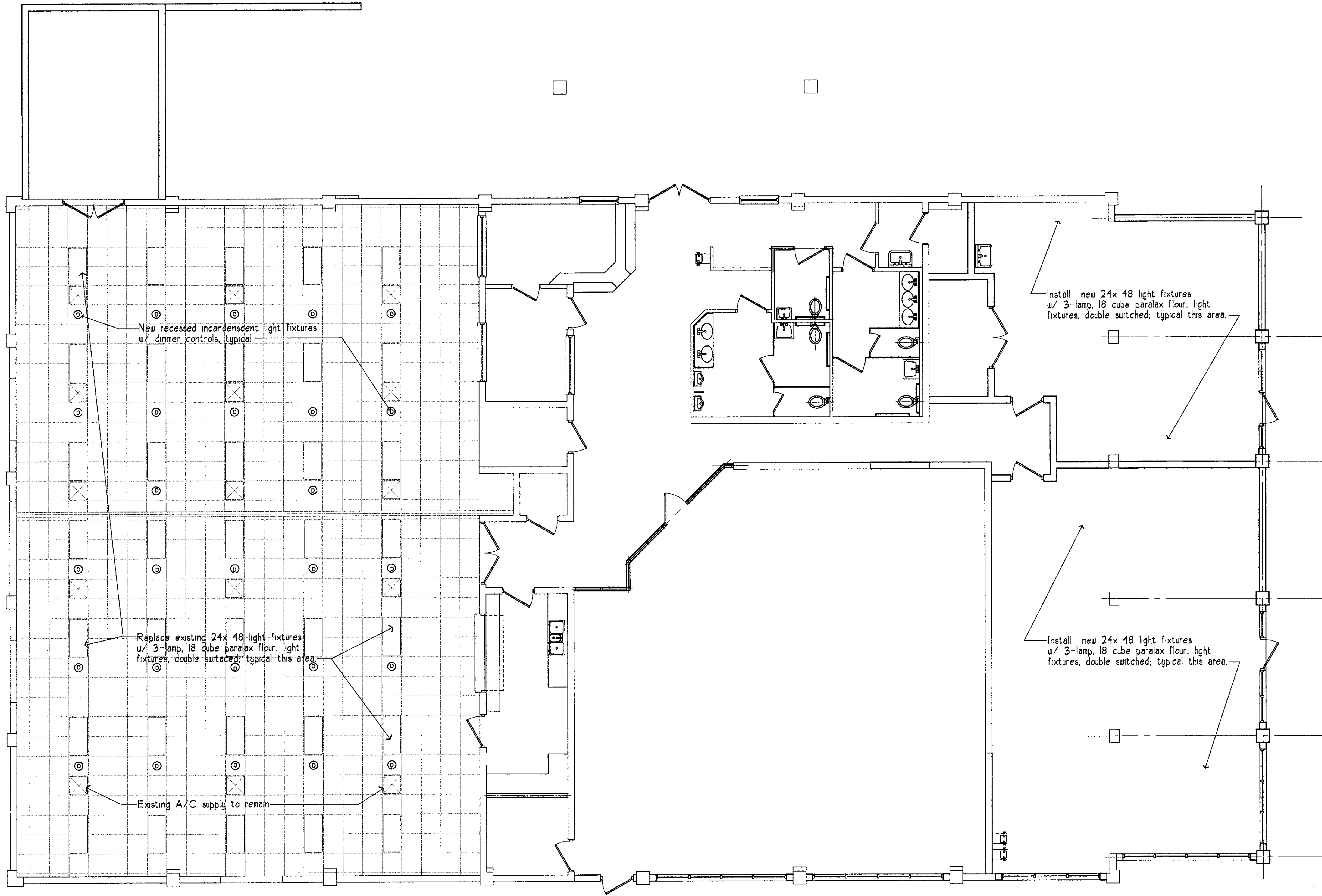
© COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007  
 STEVEN R. FOWLER  
 FOWLER ASSOCIATES ARCHITECTS, INC.  
 ARCHITECTS, INC.  
 1421 COURT STREET CLEARWATER, FLORIDA 33766 (727) 449-2021 FAX (727) 447-5839  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-0006441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC000665

NO.	DATE	REVISION	BY

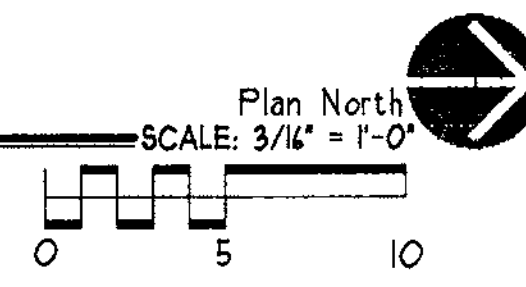
DRAWN: SRF  
 DATE: 01.Nov.'07

Reflected Ceiling Plan  
 Clearwater Beach Library &  
 Recreation Center Consolidation  
 49 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33767

PROJECT NO. 07-214  
 SHEET NO. A-1.3



Reflected Ceiling Plan (Alternate #2)



NOV 09 2007  
 DEVELOPMENT SERVICES DEPT.  
 CITY OF CLEARWATER

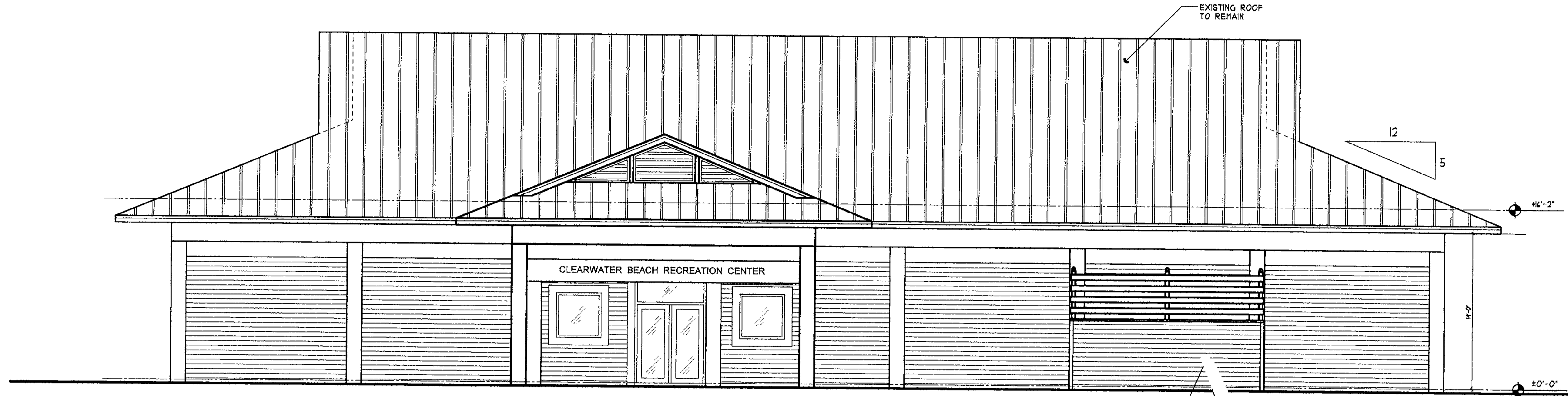
**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 1421 COURT STREET ■ CLEARWATER, FLORIDA 33756 ■ TEL 727/447-5888  
 STATE OF FLORIDA, ARCHITECTURAL LICENSE NUMBER 04-0005441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER 04000066

© COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007 STEPHEN R. FOWLER A0005441

BY	
REVISION	
NO.	
DATE	
DRAWN	SRF
DATE	01.Nov.'01

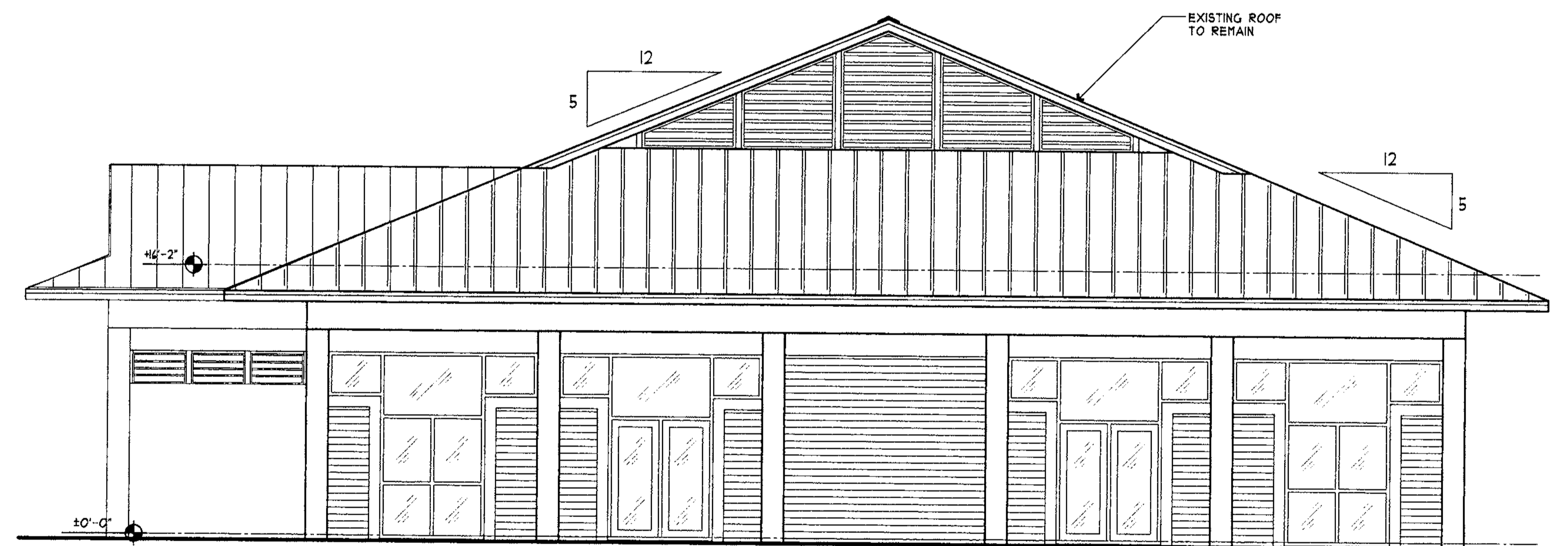
Reflected Ceiling Plan  
**Clearwater Beach Library & Recreation Center Consolidation**  
 49 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33761

PROJECT NO. 01-214  
 SHEET NO. A-1.3a  
 Alternate #2



**WEST ELEVATION**

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



**SOUTH ELEVATION**

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

*Handwritten signature*

© COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007 STEPHEN R. FOWLER ARCHITECT

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 1421 COOPER STREET ■ CLEARWATER, FLORIDA 34625 ■ TEL: 727.445.5888 ■ FAX: 727.445.5889  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER ■ AR-0009444  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER ■ AC000665

NO.	DATE	REVISION	BY

DRAWN **SRF**  
 DATE **01.Nov.'07**

Existing Exterior Elevations  
**Clearwater Beach Library & Recreation Center Consolidation**  
 19 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33767

PROJECT NO. **07-214**

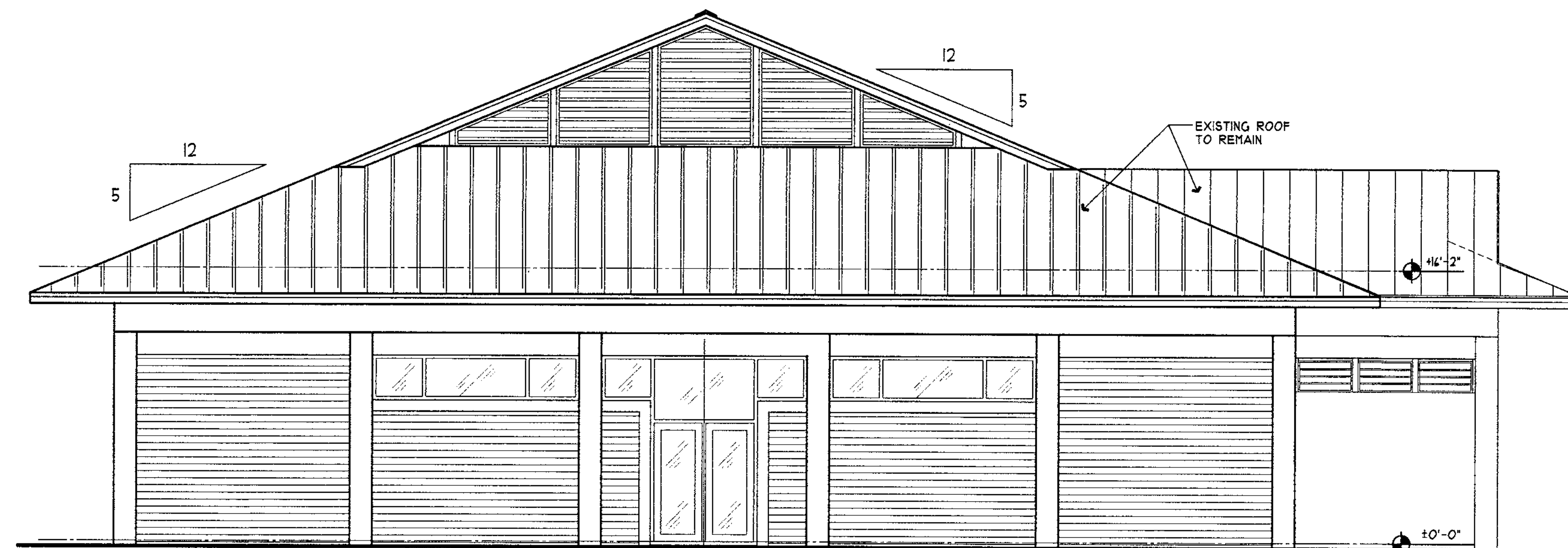
NOV 09 2007  
 DEVELOPMENT SERVICES DIVISION  
 CITY OF CLEARWATER

SHEET NO. **Ex. A-2.1**



**EAST ELEVATION**

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



**NORTH ELEVATION**

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

*Handwritten signature and initials*

© COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007 STEPHEN R. FOWLER A0005441

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 1421 OCEAN STREET CLEARWATER, FLORIDA 34625 ■ (727) 461-5228 ■ FAX (727) 461-5229  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AB-0005441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC001665

BY	
REVISION	
NO.	
DATE	
DRAWN	SRF
DATE	01.Nov.'07

Existing Exterior Elevations  
**Clearwater Beach Library & Recreation Center Consolidation**  
 41 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33761

PROJECT NO. 07-214  
 SHEET NO. Ex. A-2.2

**RECEIVED**  
 NOV 09 2007  
 DEVELOPMENT SERVICES DEPT  
 CITY OF CLEARWATER

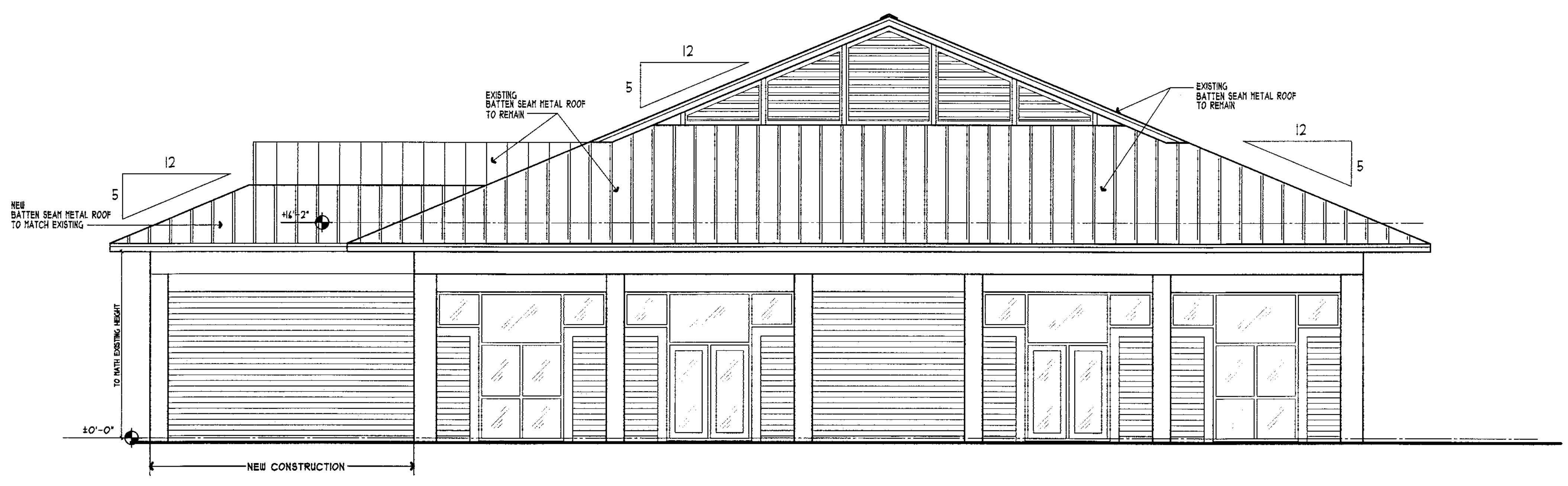


**WEST ELEVATION**

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


TYP. FLOOD PROOFING FROM F.F. 15". DURING STORM EVENT SUPPORT ANGLE AFIXED TO BOTH SIDES OF OPENING

ADDENDUM #5



**SOUTH ELEVATION**

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


**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 1421 COURT STREET ■ CLEARWATER, FLORIDA 33765 ■ (727) 449-2002 ■ FAX (727) 447-5339  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER ■ AB-0006441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER ■ AM0000866

DATE	NO.	REVISION	BY
10 Dec. 07	1	REVISED HEIGHT FLOOD PROOFING	AV
28 Jan. 08	2	REVISED FOR CONTRACTOR	AV

DRAWN **AV**  
 DATE **01.Nov.'01**

Exterior Elevations  
**Clearwater Beach Library & Recreation Center Consolidation**  
 41 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33767

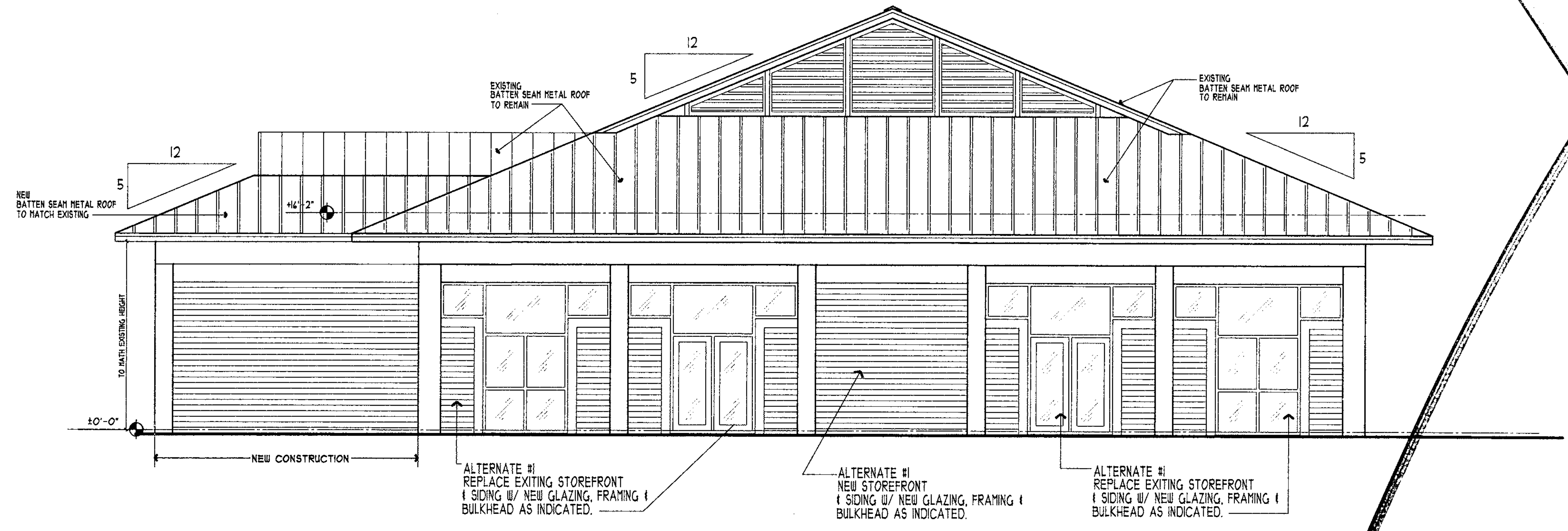
**REVISED PLANS RECEIVED**  
 FEB 07 2008  
 DEVELOPMENT & NEIGHBORHOOD SERVICES  
 CITY OF CLEARWATER

PROJECT NO. **07-214**  
 SHEET NO. **A-2.1**



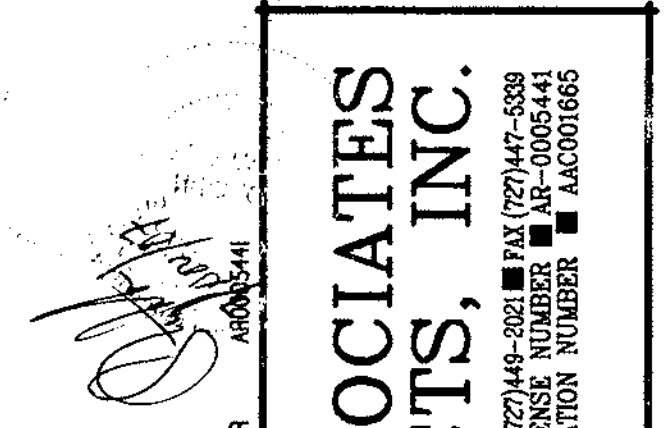
**WEST ELEVATION**

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



**SOUTH ELEVATION (BASE BID)**

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

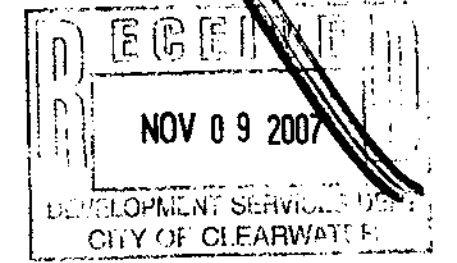


**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 1421 STATE STREET, CLEARWATER, FLORIDA 34615  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER 1421  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER A-0001665

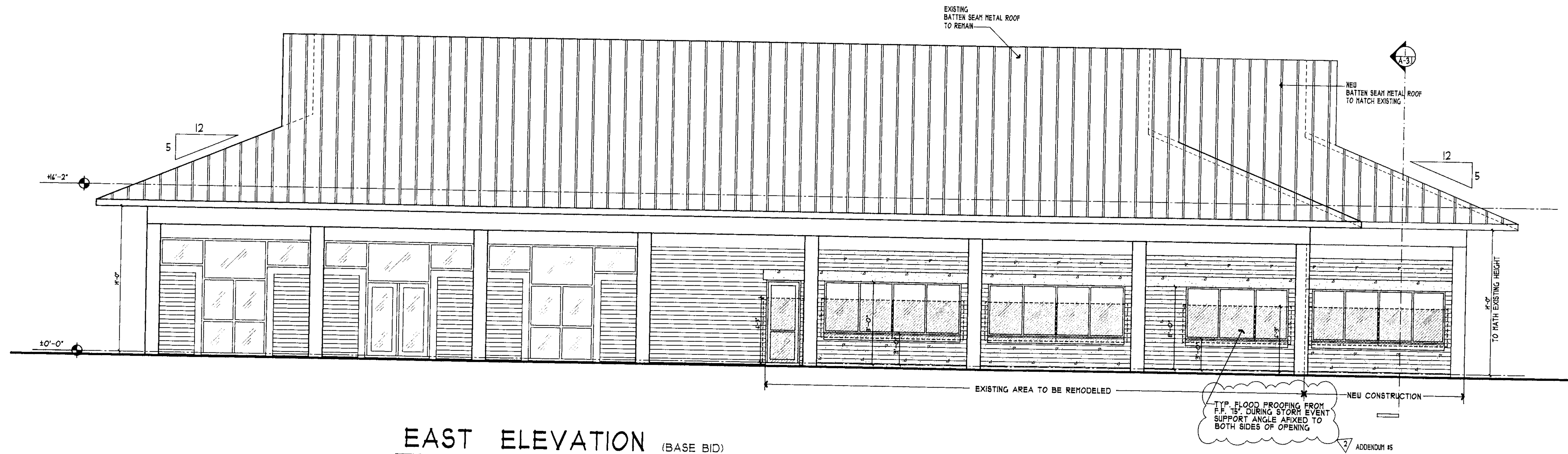
BY	
REVISION	
NO.	
DATE	
DRAWN	AV
DATE	07.Nov.'07

Exterior Elevations  
**Clearwater Beach Library & Recreation Center Consolidation**  
 49 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33741

PROJECT NO.	07-214
SHEET NO.	A-2.1 Base Bid

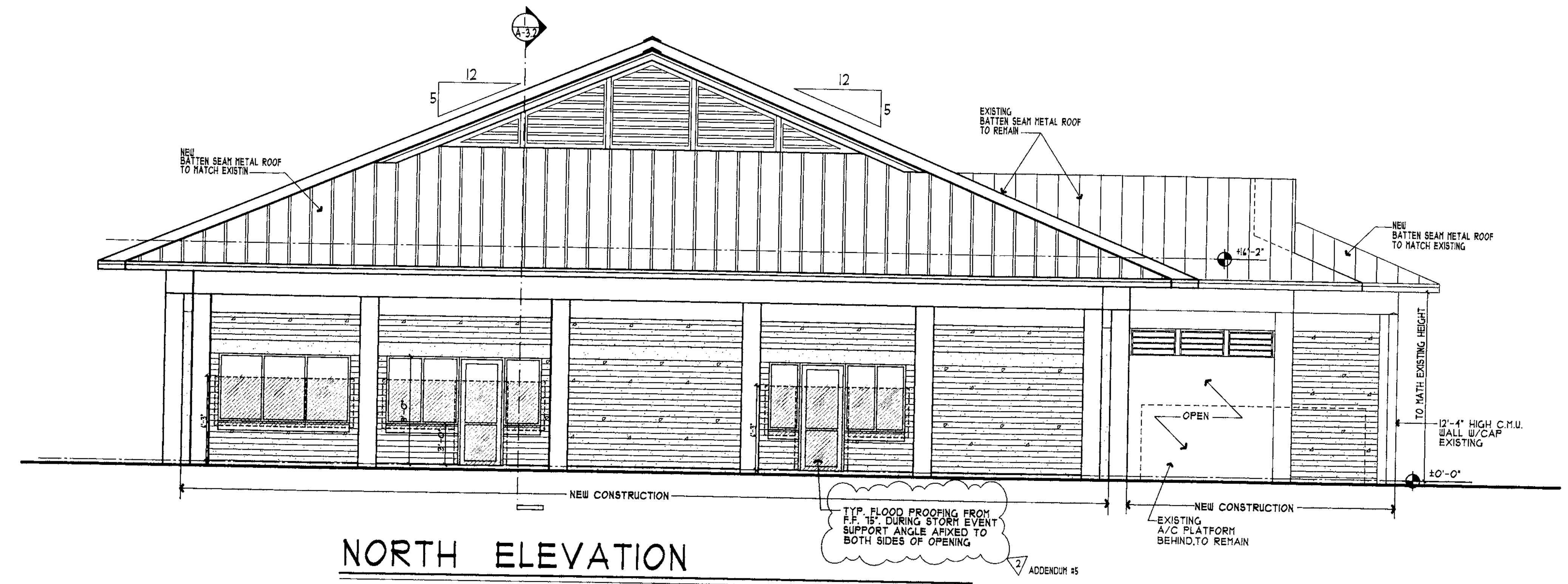






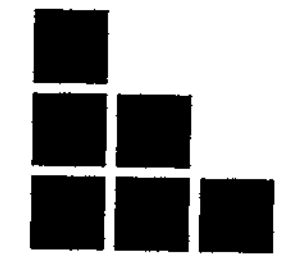
**EAST ELEVATION** (BASE BID)

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



**NORTH ELEVATION**

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

  
**FOWLER ASSOCIATES ARCHITECTS, INC.**  
1421 COURT STREET • CLEARWATER, FLORIDA 34616 • (727) 442-2021 • FAX (727) 442-5588  
 CITY OF CLEARWATER ARCHITECTURAL LICENSE NUMBER ■ AR-00025441  
 STATE BOARD OF CORPORATE AUTHORIZATION NUMBER ■ AAC0016665

© COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007

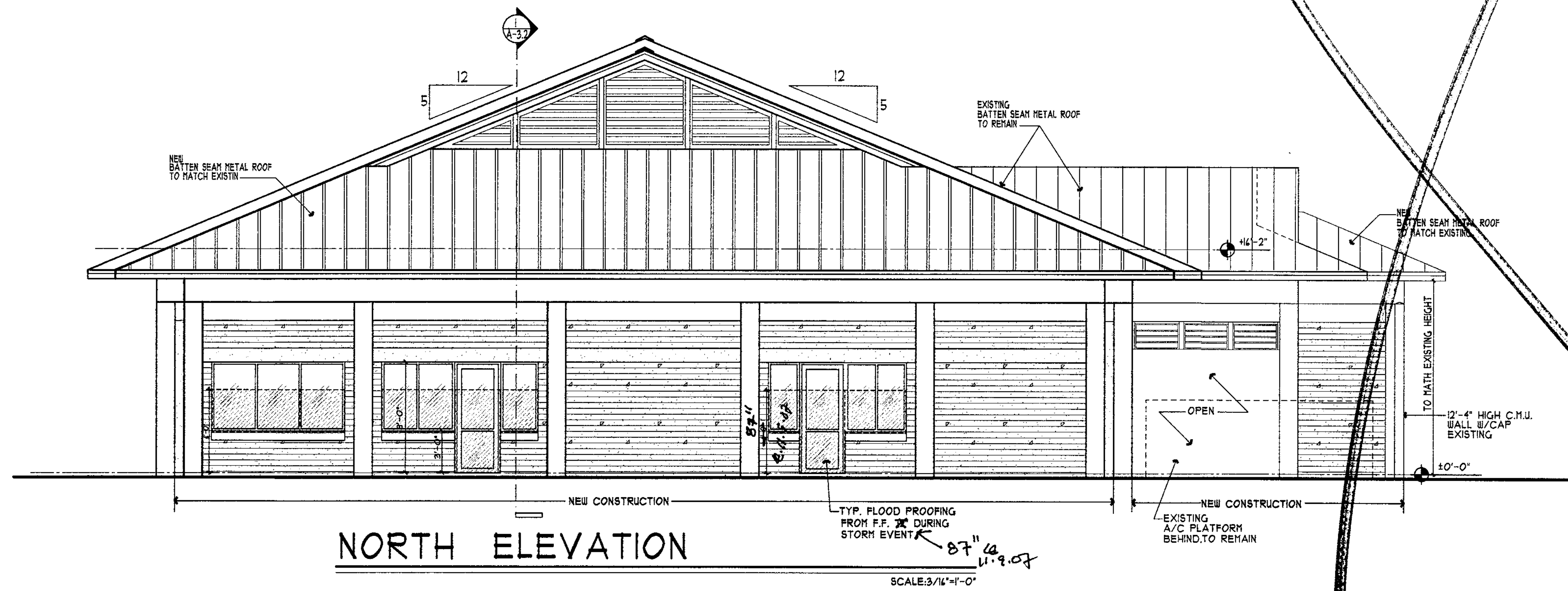
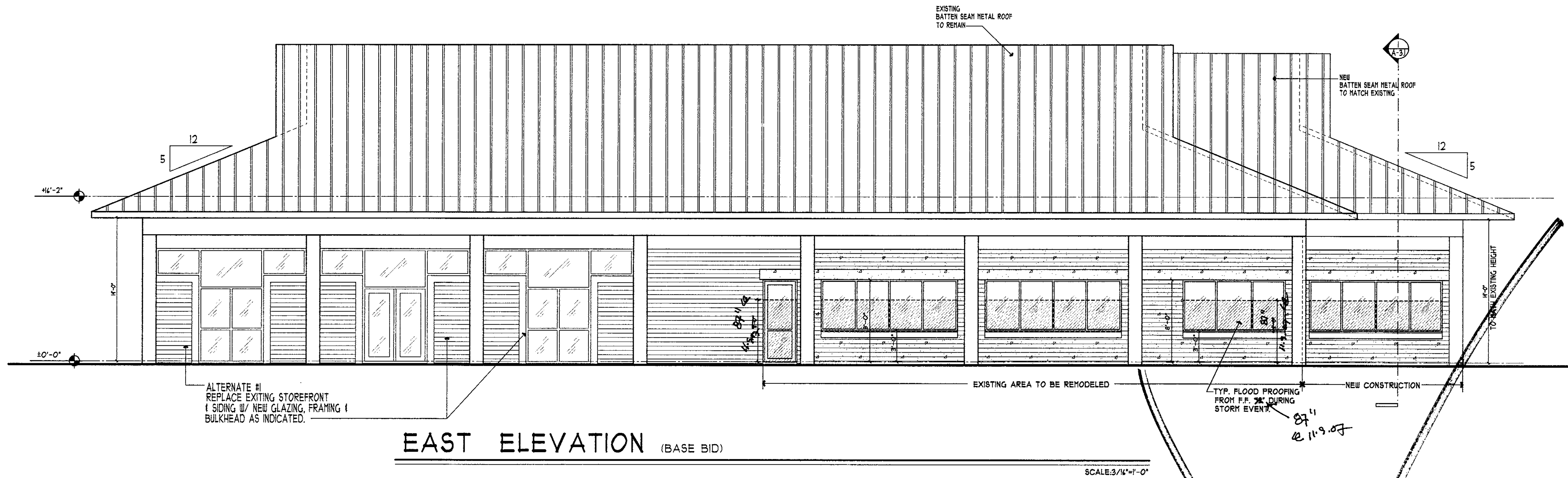
DATE	NO.	REVISION	BY
15.Nov.'07	1	REVISED HEIGHT FLOOD PROOFING	AV
18.Oct.'07	2	REVISED FLOOD PROOFING	AV
28.Jan.'08	3	REVISED FLOOD PROOFING	AV

DRAWN	AV
DATE	01.Nov.'07

Exterior Elevations  
**Clearwater Beach Library & Recreation Center Consolidation**  
69 BAY ESPLANADE  
 CLEARWATER, FLORIDA 34617

**REVISED PLANS RECEIVED**  
 FEB 07 2008  
 DEVELOPMENT & NEIGHBORHOOD SERVICES  
 CITY OF CLEARWATER

PROJECT NO. 07-214  
 SHEET NO. A-2.2

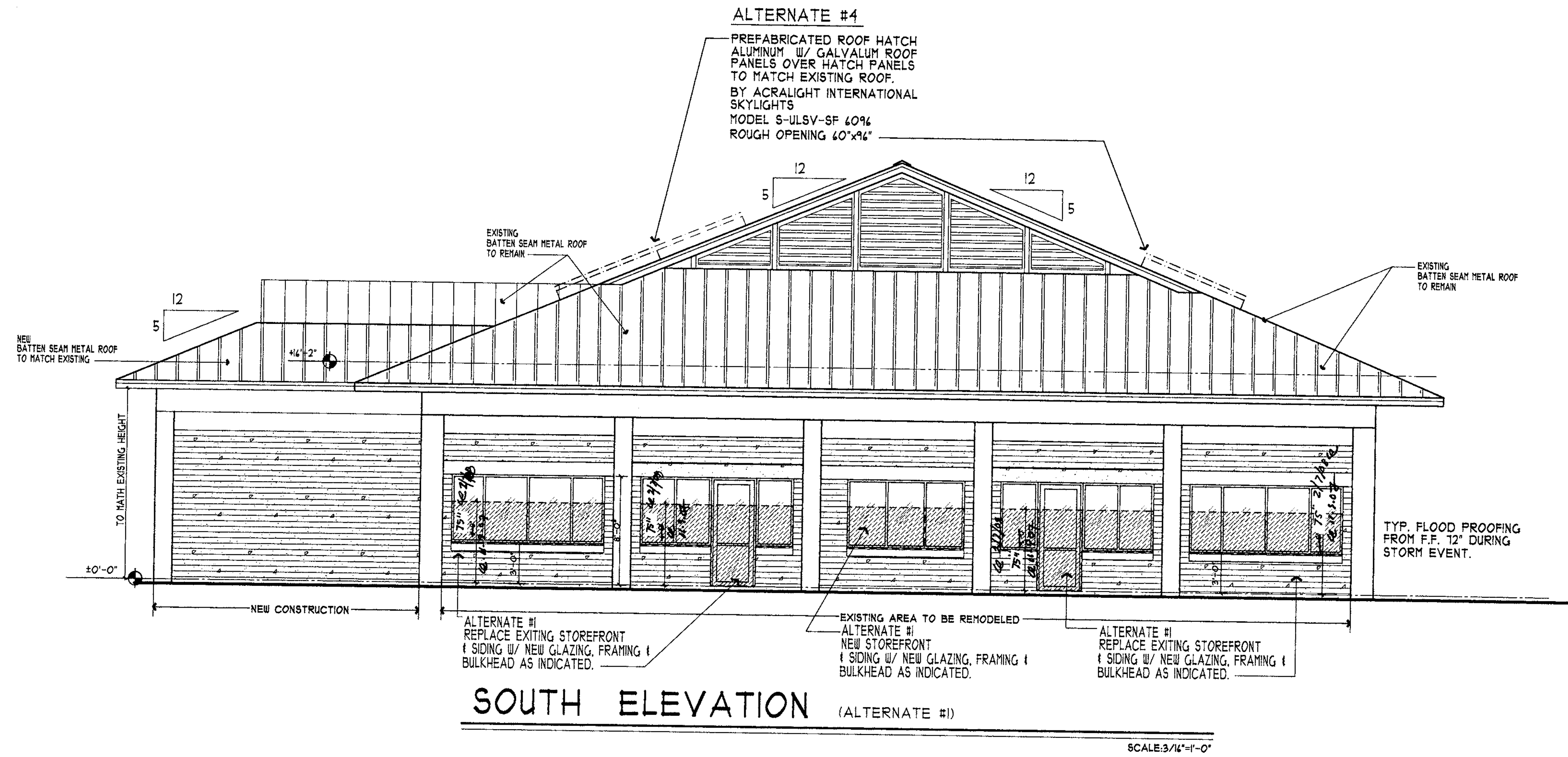
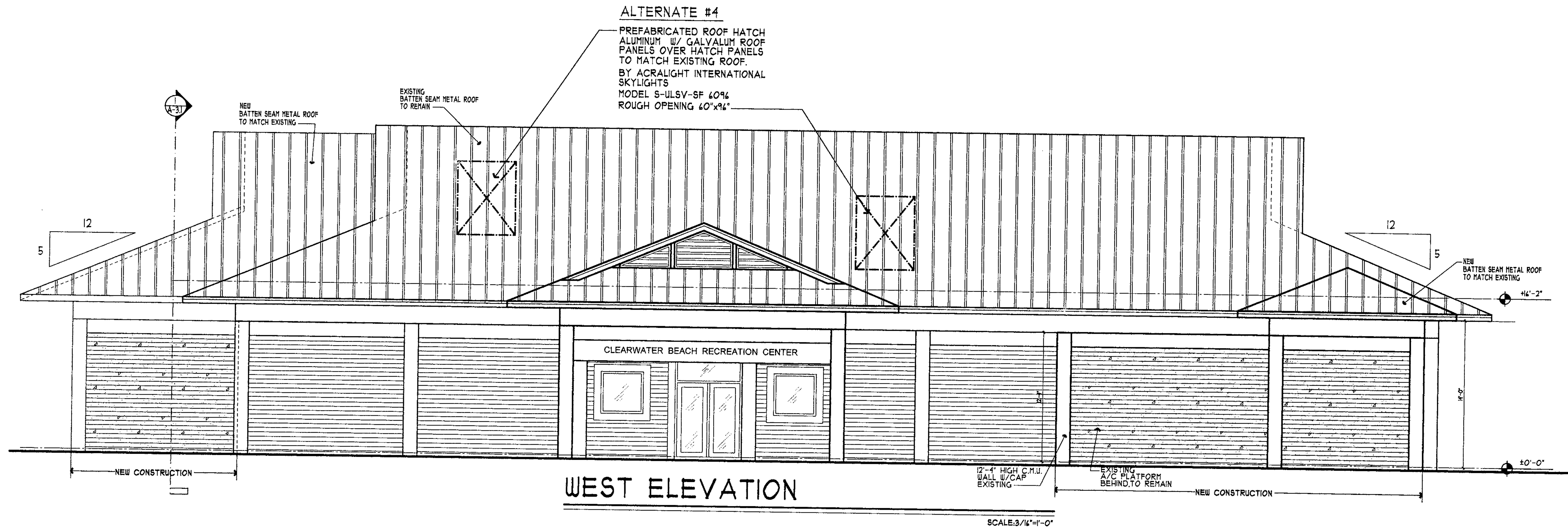


FOWLER ASSOCIATES ARCHITECTS, INC.  
 1421 OCEAN STREET CLEARWATER, FLORIDA 33768 (772) 445-8800 FAX (772) 445-8898  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER LR-00064441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC000665

COPYRIGHT FOWLER ASSOCIATES ARCHITECTS INC. 2007     STEPHEN R. FOWLER ARCHITECT

BY	
REVISION	
NO.	
DATE	
DRAWN	AV
DATE	07.Nov.'07
<b>Exterior Elevations</b> <b>Clearwater Beach Library &amp; Recreation Center Consolidation</b> <small>69 BAY ESPLANADE CLEARWATER, FLORIDA 33761</small>	
PROJECT NO.	07-214
SHEET NO.	A-2.2 Base Bid

RECEIVED  
 NOV 09 2007  
 DEVELOPMENT SERVICES DIVISION  
 CITY OF CLEARWATER



ALTERNATE #4  
 PREFABRICATED ROOF HATCH  
 ALUMINUM W/ GALVALUM ROOF  
 PANELS OVER HATCH PANELS  
 TO MATCH EXISTING ROOF.  
 BY ACRALIGHT INTERNATIONAL  
 SKYLIGHTS  
 MODEL S-ULSV-SF 40%  
 ROUGH OPENING 60"x96"

ALTERNATE #4  
 PREFABRICATED ROOF HATCH  
 ALUMINUM W/ GALVALUM ROOF  
 PANELS OVER HATCH PANELS  
 TO MATCH EXISTING ROOF.  
 BY ACRALIGHT INTERNATIONAL  
 SKYLIGHTS  
 MODEL S-ULSV-SF 40%  
 ROUGH OPENING 60"x96"

© COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007

STEPHEN R. FOWLER  
 ARCHITECT

**FOWLER ASSOCIATES  
 ARCHITECTS, INC.**

1421 COURT STREET ■ CLEARWATER, FLORIDA 33756 ■ (727) 442-2021 ■ FAX (727) 442-5288  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER ■ AR-0005441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER ■ AAC001665

NO.	DATE	REVISION

DRAWN BY  
**AV**

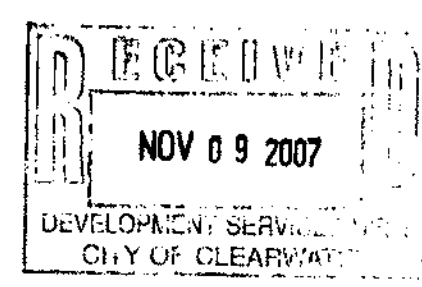
DATE  
**07.Nov.'07**

Exterior Elevations (Alternate #1)  
**Clearwater Beach Library &  
 Recreation Center Consolidation**

41 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33761

PROJECT NO.  
**07-214**

SHEET NO.  
**A-2.1a**  
 Alternate #1



NO.	DATE	REVISION

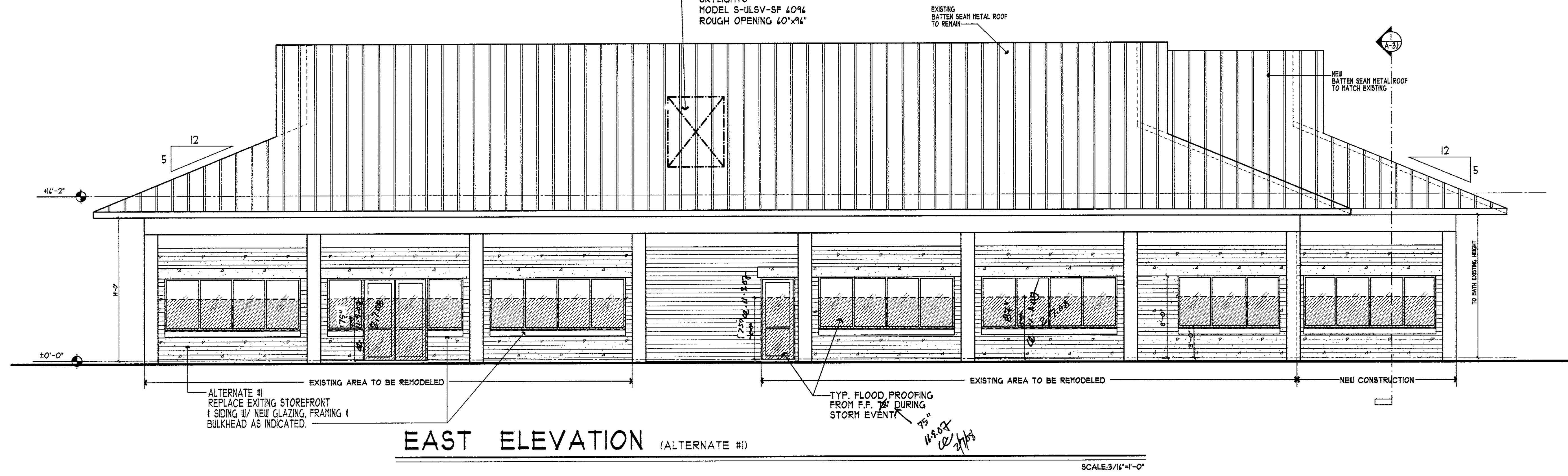
BY: AV  
 DATE: 07.Nov.'07

Exterior Elevations (Alternate #1)  
**Clearwater Beach Library & Recreation Center Consolidation**  
 13 BAY, ESPLANADE, CLEARWATER, FLORIDA 34625

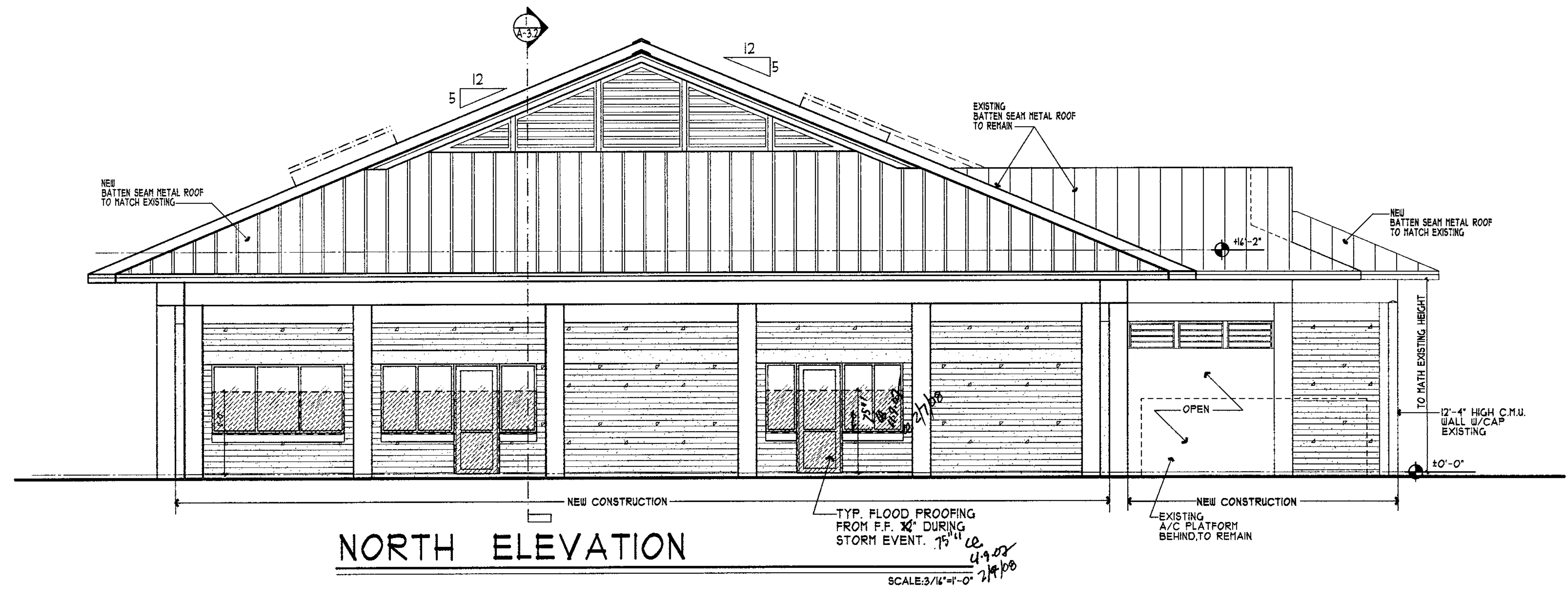
PROJECT NO. 07-214  
 SHEET NO. A-2.2a  
 Alternate #1

RECEIVED  
 NOV 09 2007  
 DEVELOPMENT SERVICES DEPT.  
 CITY OF CLEARWATER

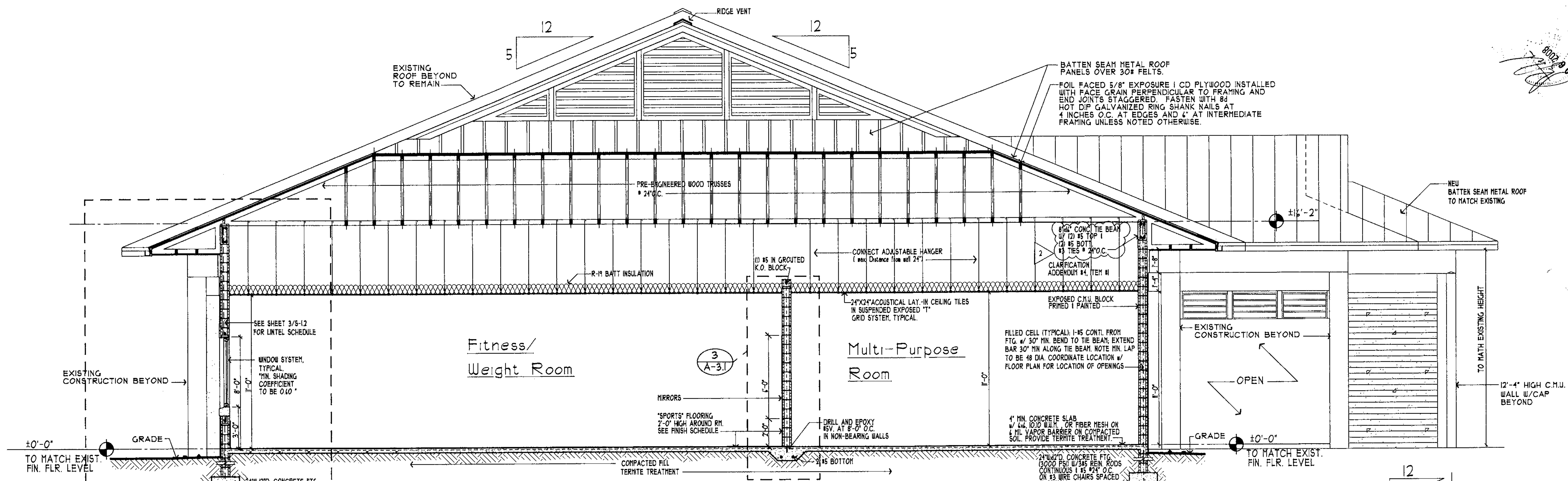
**ALTERNATE #4**  
 PREFABRICATED ROOF HATCH  
 ALUMINUM 1/2" GALVALUM ROOF  
 PANELS OVER HATCH PANELS  
 TO MATCH EXISTING ROOF.  
 BY ACRALIGHT INTERNATIONAL  
 SKYLIGHTS  
 MODEL S-ULSV-SF 60%  
 ROUGH OPENING 60"x96"



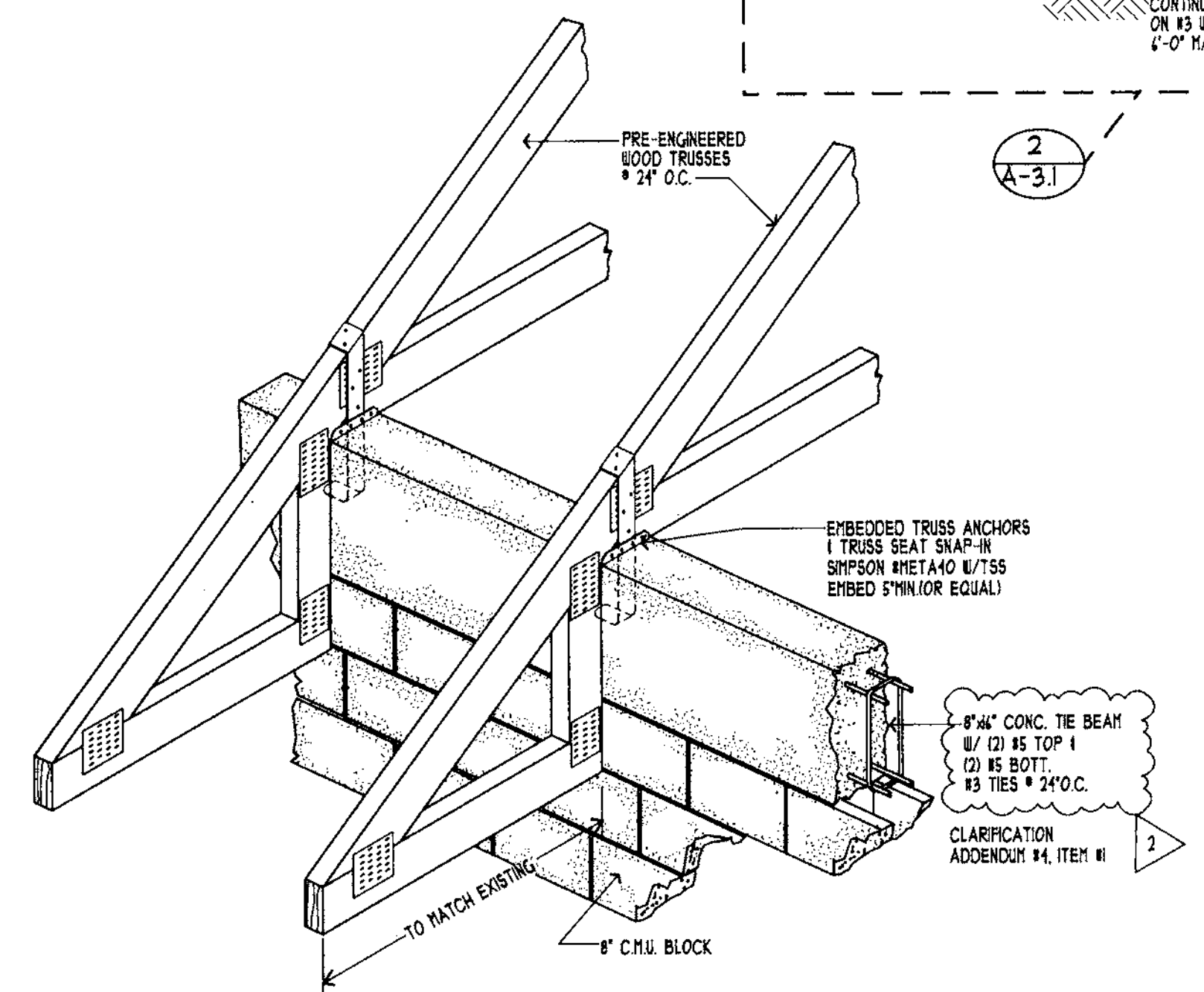
**EAST ELEVATION (ALTERNATE #1)**



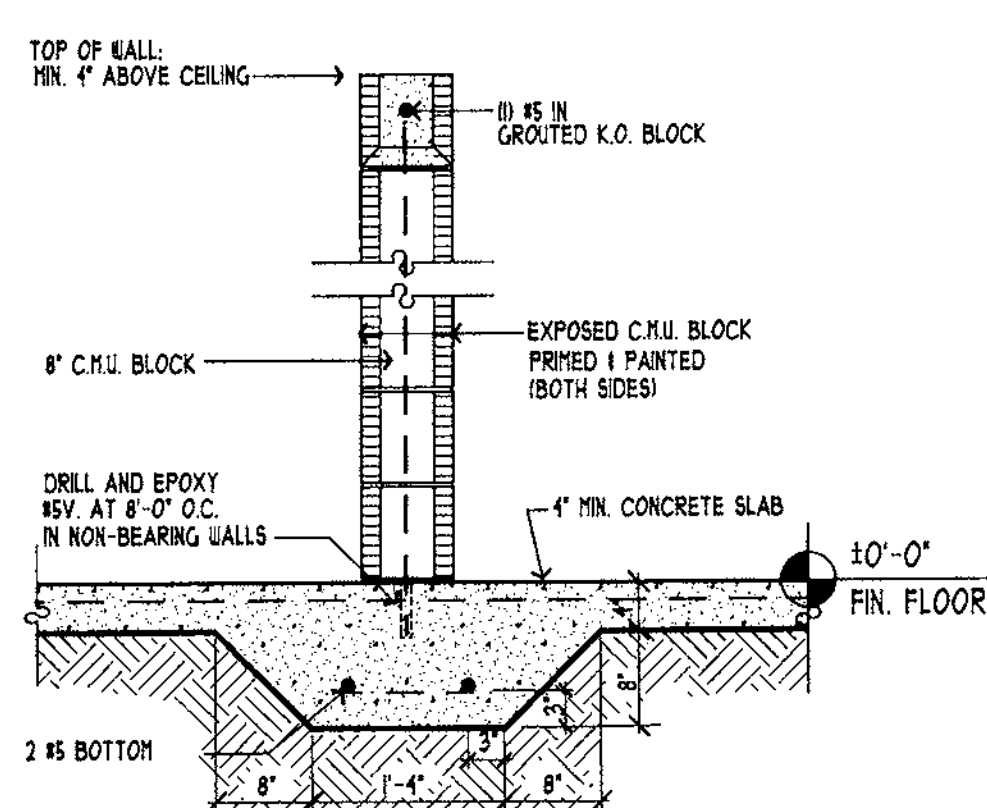
**NORTH ELEVATION**



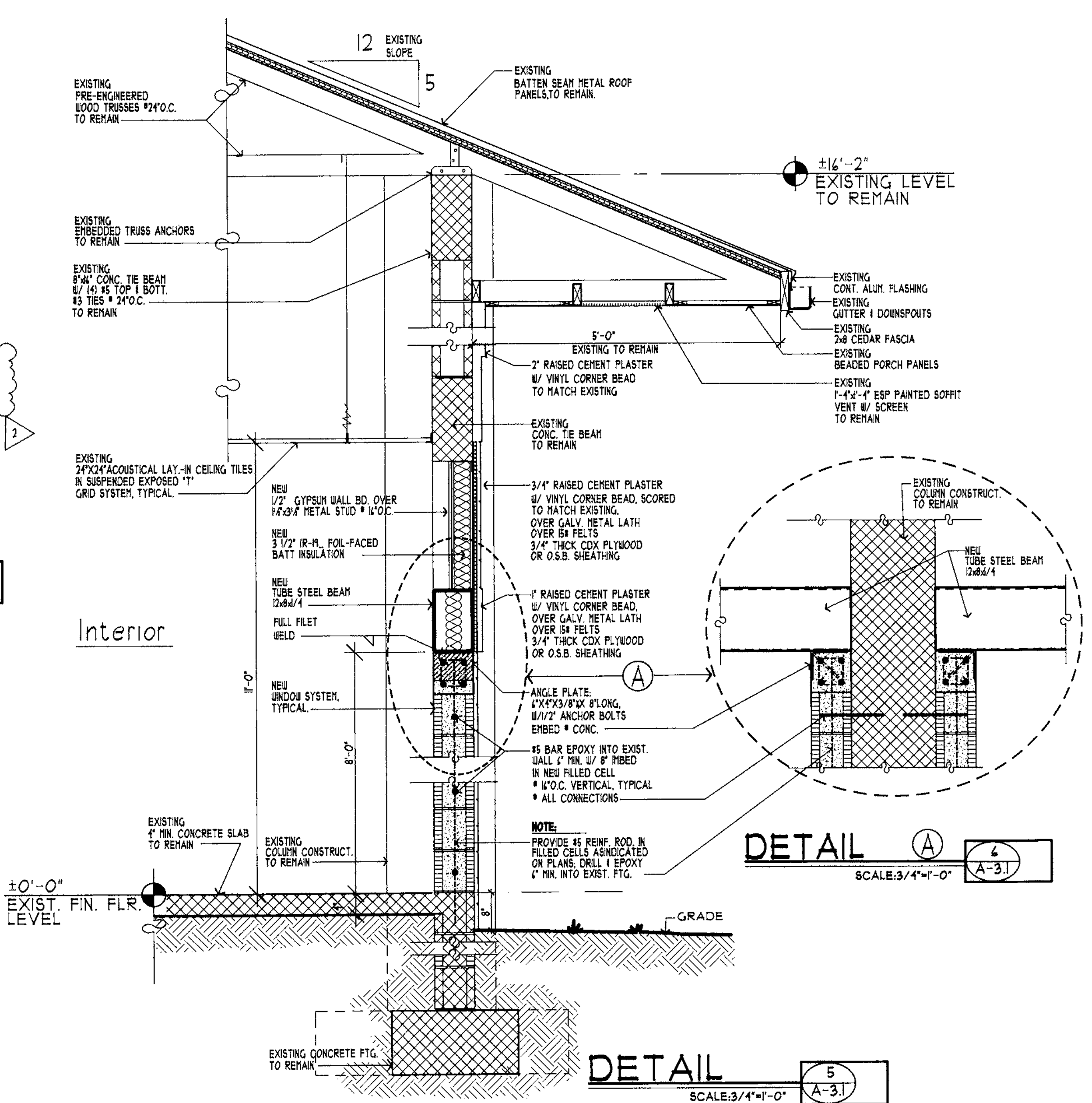
TYPICAL THRU SECTION  
SCALE: 1/4"=1'-0"



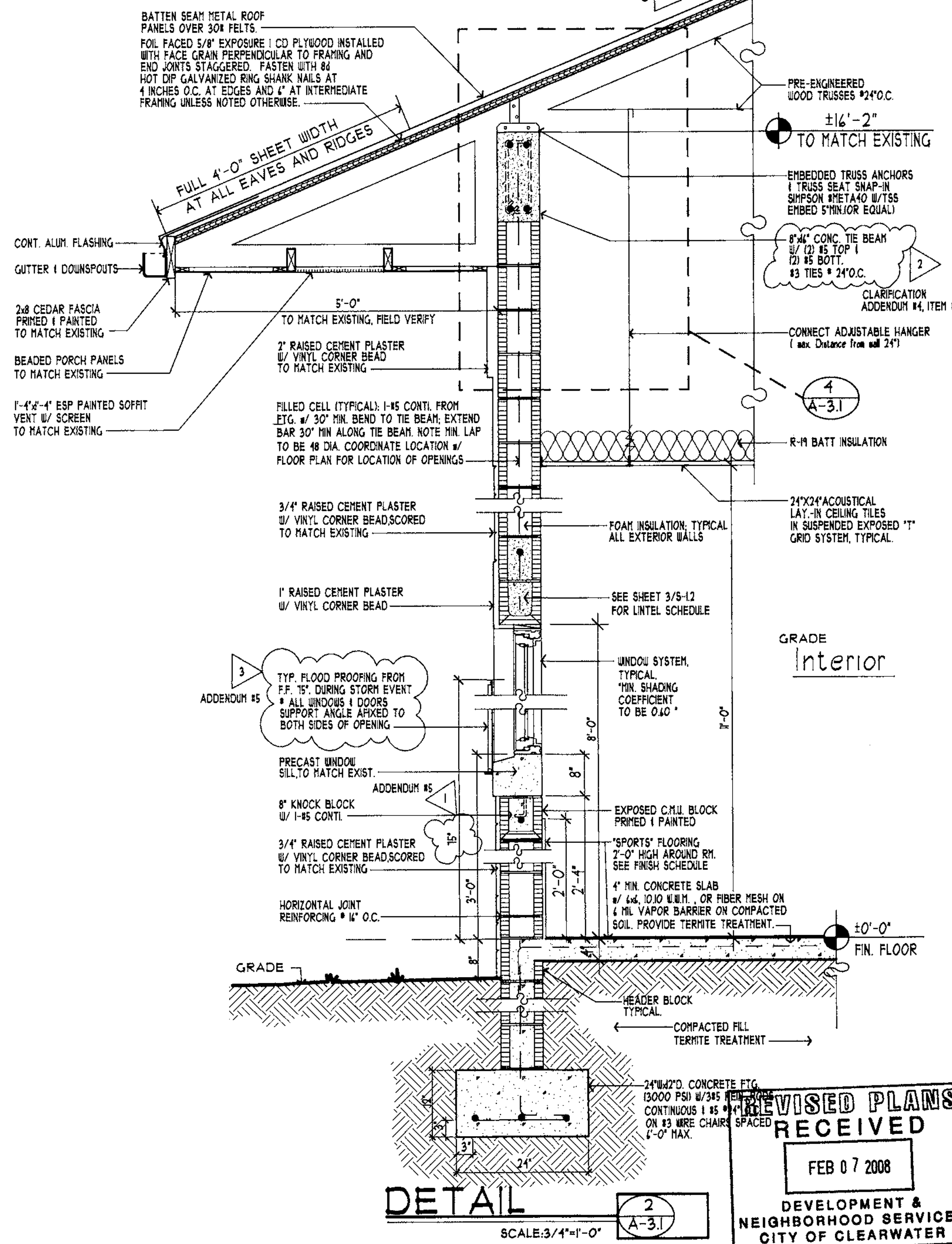
UPLIFT CONNECTORS AT ROOF LEVEL  
NO SCALE



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



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



DETAIL 2  
SCALE: 3/4"=1'-0"

STEPHEN E. POWERS  
ARCHITECTS, INC.  
1421 OCEAR STREET, CLEARWATER, FLORIDA 33766  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER 140006441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC000665

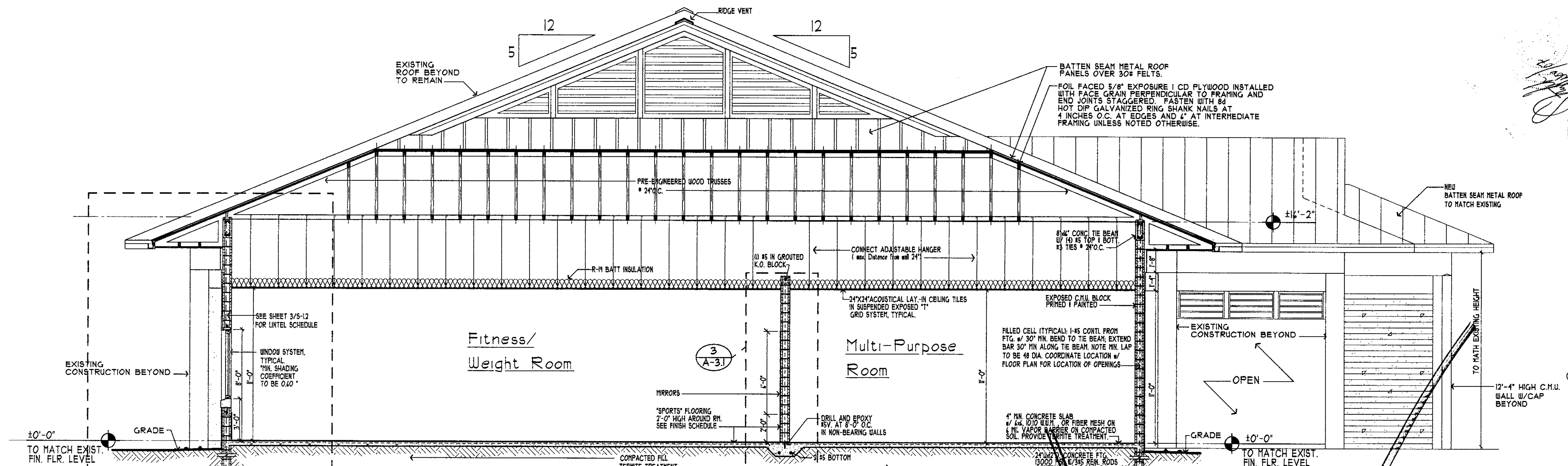
NO.	REVISION	DATE	BY	REASON
1	REVISED HEIGHT FLOOD PROOFING	15-Nov-07	AV	
2	REVISED FOR REQUEST	28-Nov-07	AV	
3	REVISED FLOOD PROOFING	10-Dec-07	AV	

DATE: 01.Nov.'07

SECTION & DETAILS  
Clearwater Beach Library & Recreation Center Consolidation  
43 BAY SEASIDE CLEARWATER, FLORIDA 33761

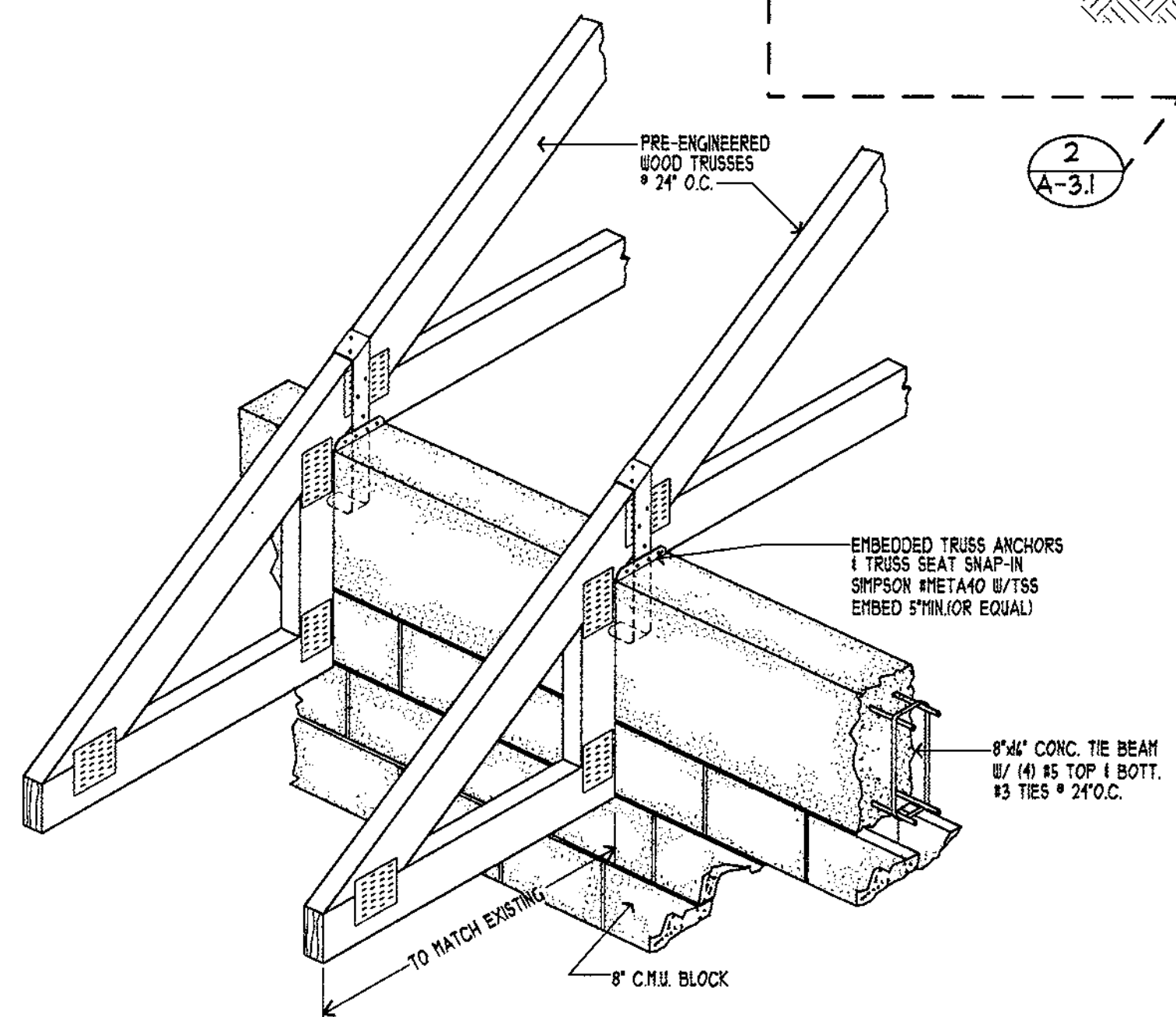
PROJECT NO. 01-214  
SHEET NO. A-3.1

REVISIONS RECEIVED  
FEB 07 2008  
DEVELOPMENT & NEIGHBORHOOD SERVICES  
CITY OF CLEARWATER



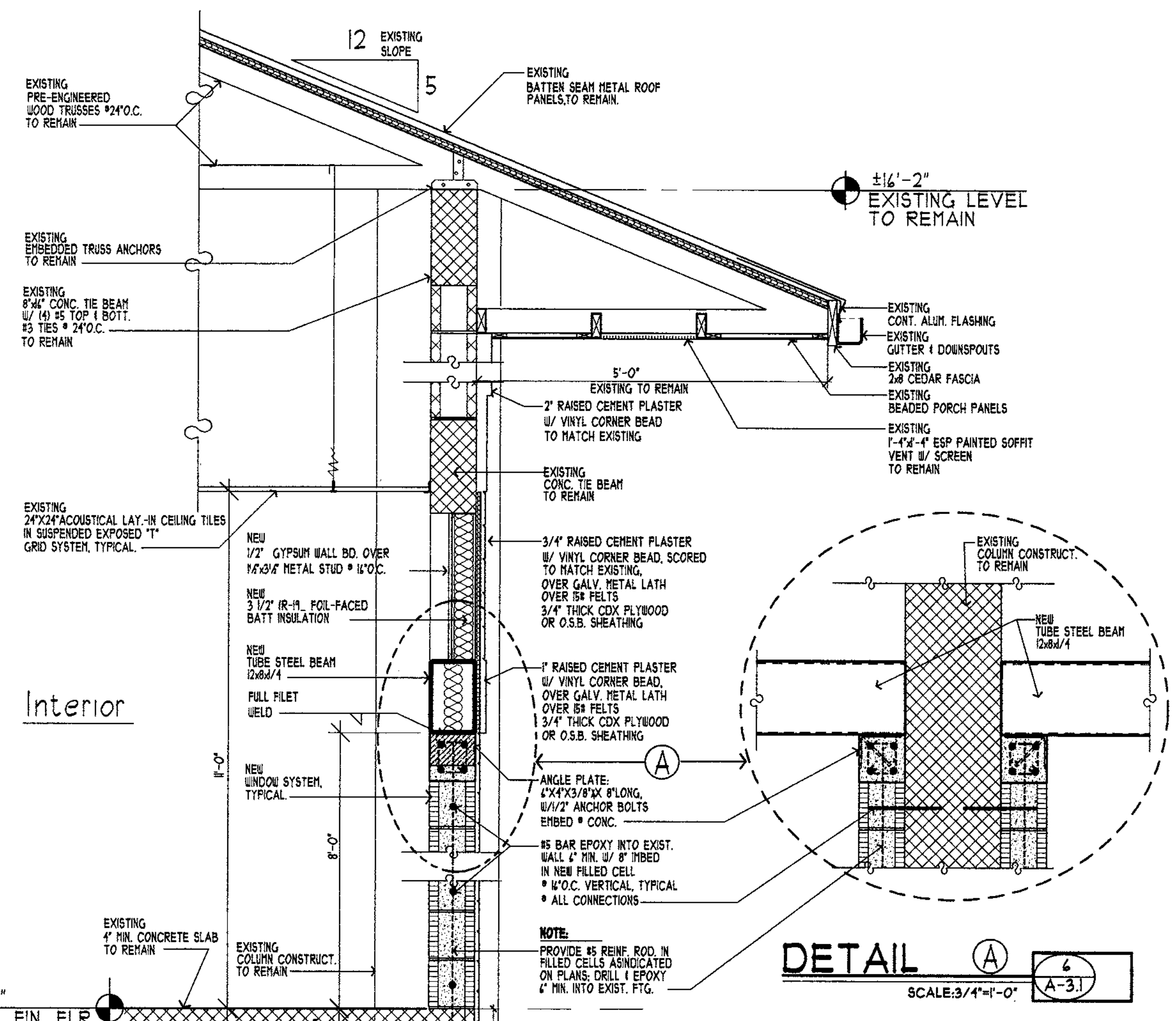
TYPICAL THRU SECTION

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



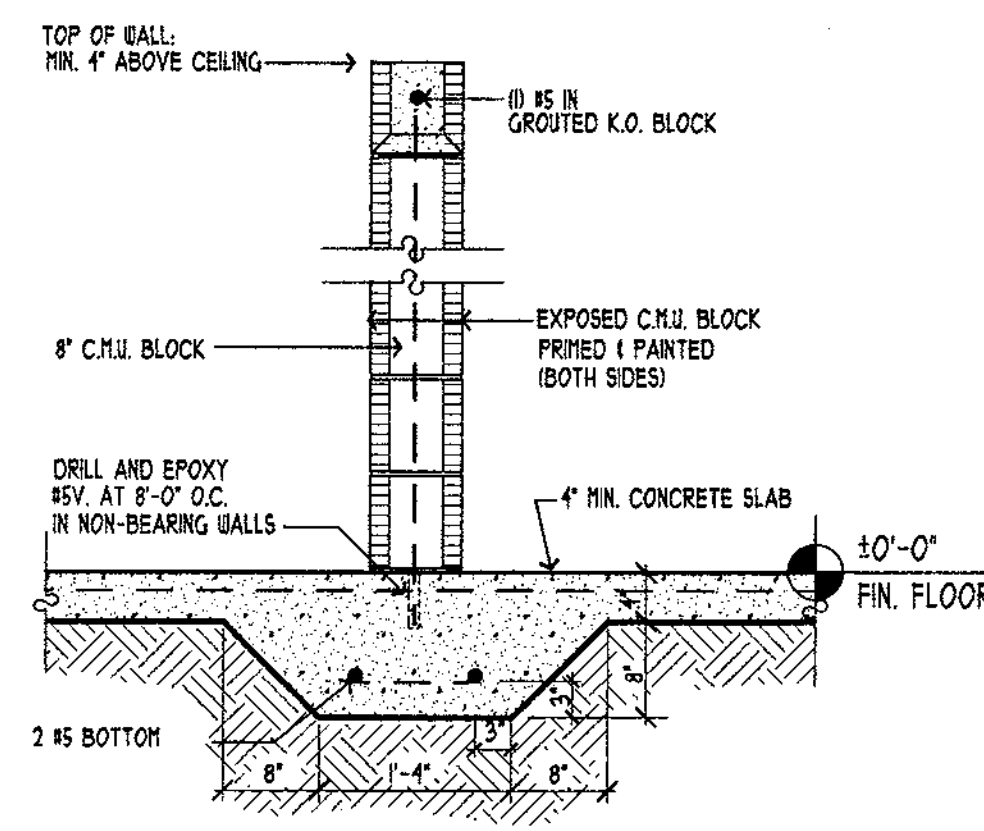
UPLIFT CONNECTORS AT ROOF LEVEL

NO SCALE



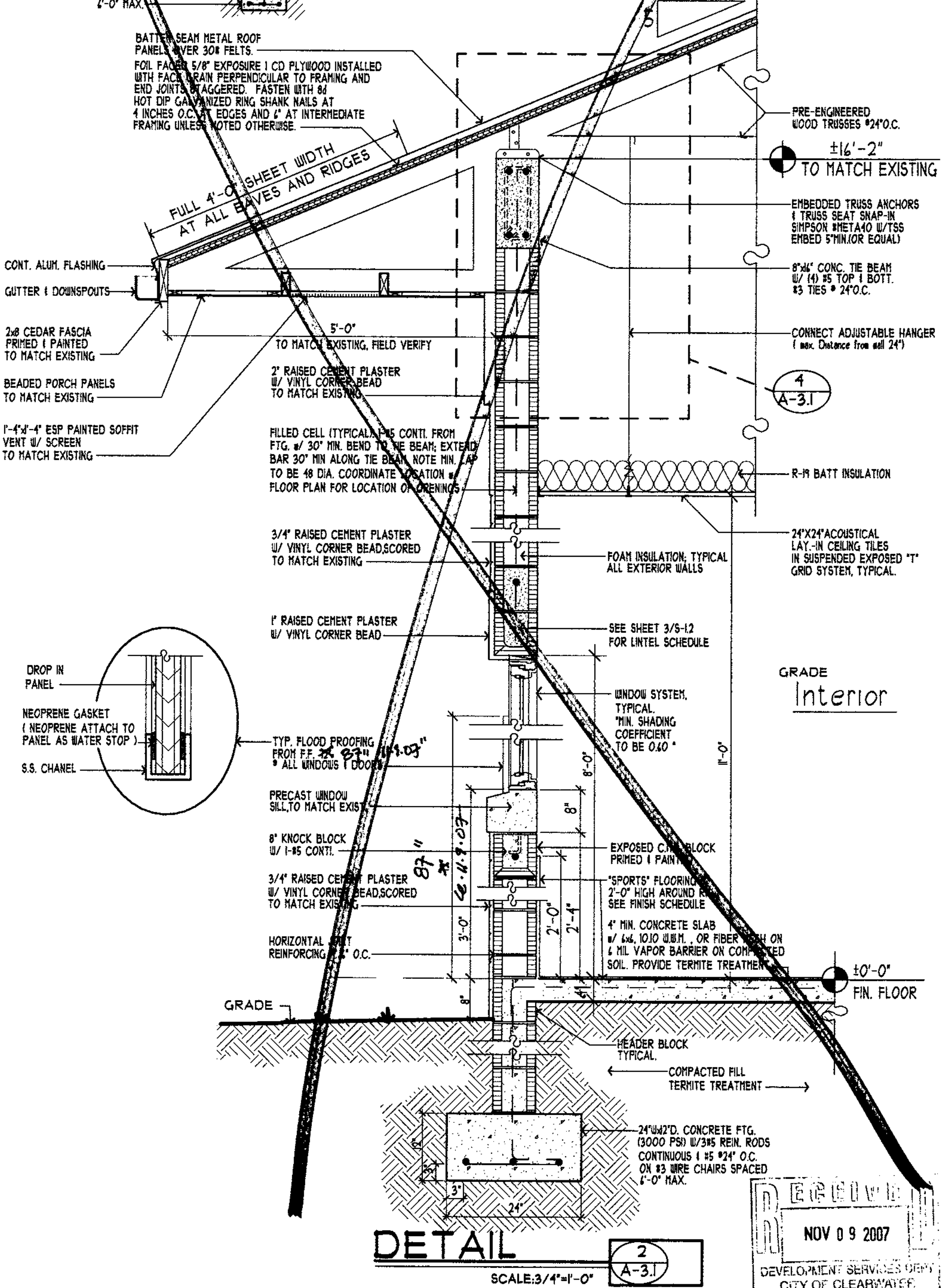
DETAIL A

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



DETAIL 3

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



DETAIL 2

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

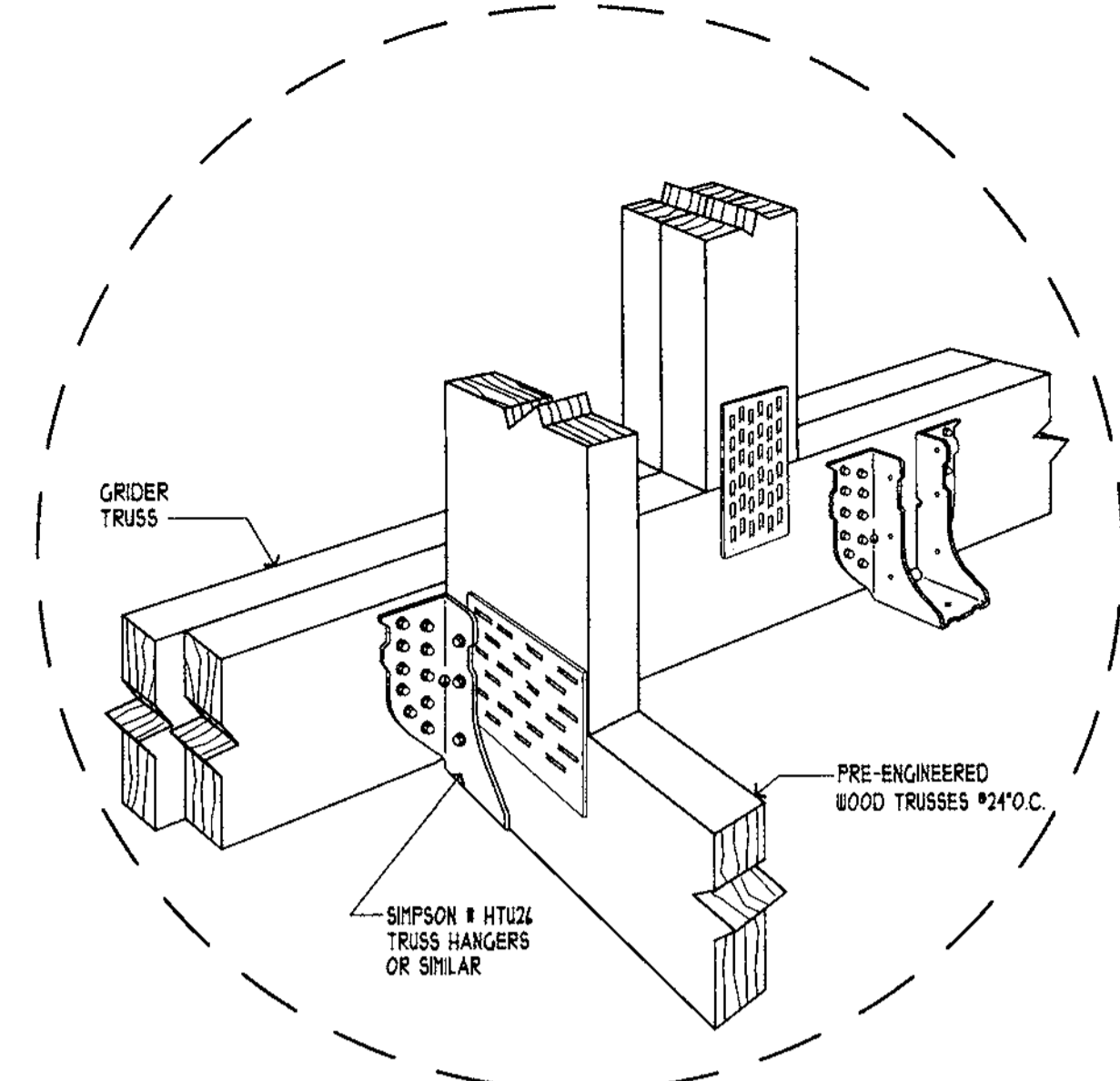
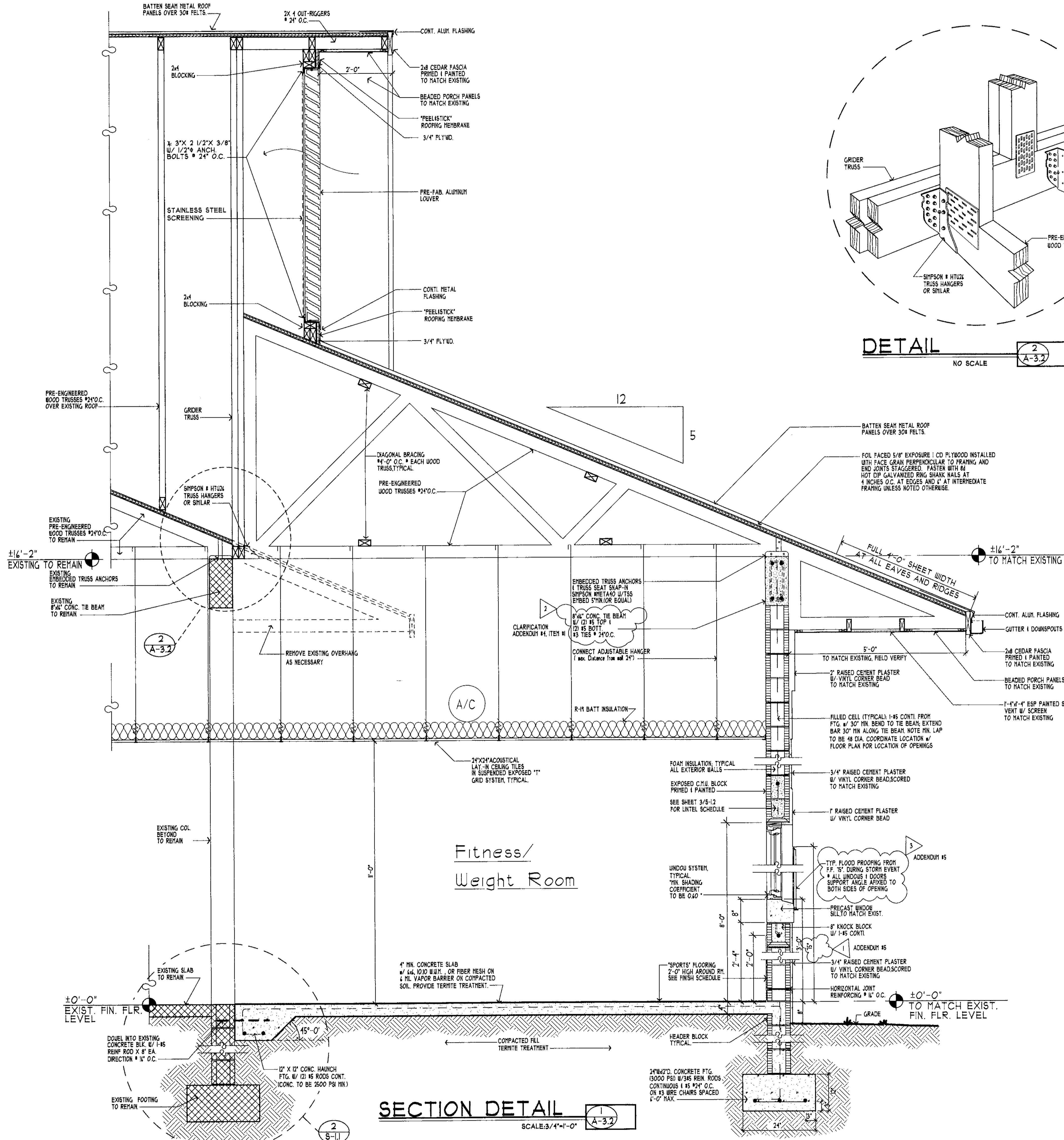
**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 142 COURT STREET CLEARWATER, FLORIDA 34625  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER 0006441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER 0000065

BY	
REVISION	
NO.	
DATE	
DRAWN	AV
DATE	07.Nov.'07

SECTION & DETAILS  
**Clearwater Beach Library & Recreation Center Consolidation**  
 61 BAY ESPLANADE  
 CLEARWATER, FLORIDA 34614

PROJECT NO.	07-214
SHEET NO.	A-3.1

NOV 09 2007  
 DEVELOPMENT SERVICES DEPT  
 CITY OF CLEARWATER, FL



**DETAIL**  
NO SCALE

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

**REVISED PLANS RECEIVED**  
FEB 07 2008  
DEVELOPMENT & NEIGHBORHOOD SERVICES  
CITY OF CLEARWATER

STEPHEN R. FOWLER ARCHITECTS, INC. 2007  
1421 CENTER STREET CLEARWATER, FLORIDA 33766 (727) 448-2022 FAX (727) 447-5289  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER LR-0005441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC000665

**FOWLER ASSOCIATES ARCHITECTS, INC.**

BY	AV
REVISION	REVISION
NO.	NO.
DATE	DATE
1 28 Nov '07	1 28 Nov '07
2 10 Dec '07	3 10 Dec '07
REVISION	REVISION
HEIGHT FLOOD PROOFING	AV
REVISED FOR REQUEST	AV
REVISION	REVISION
FLOOD PROOFING	AV

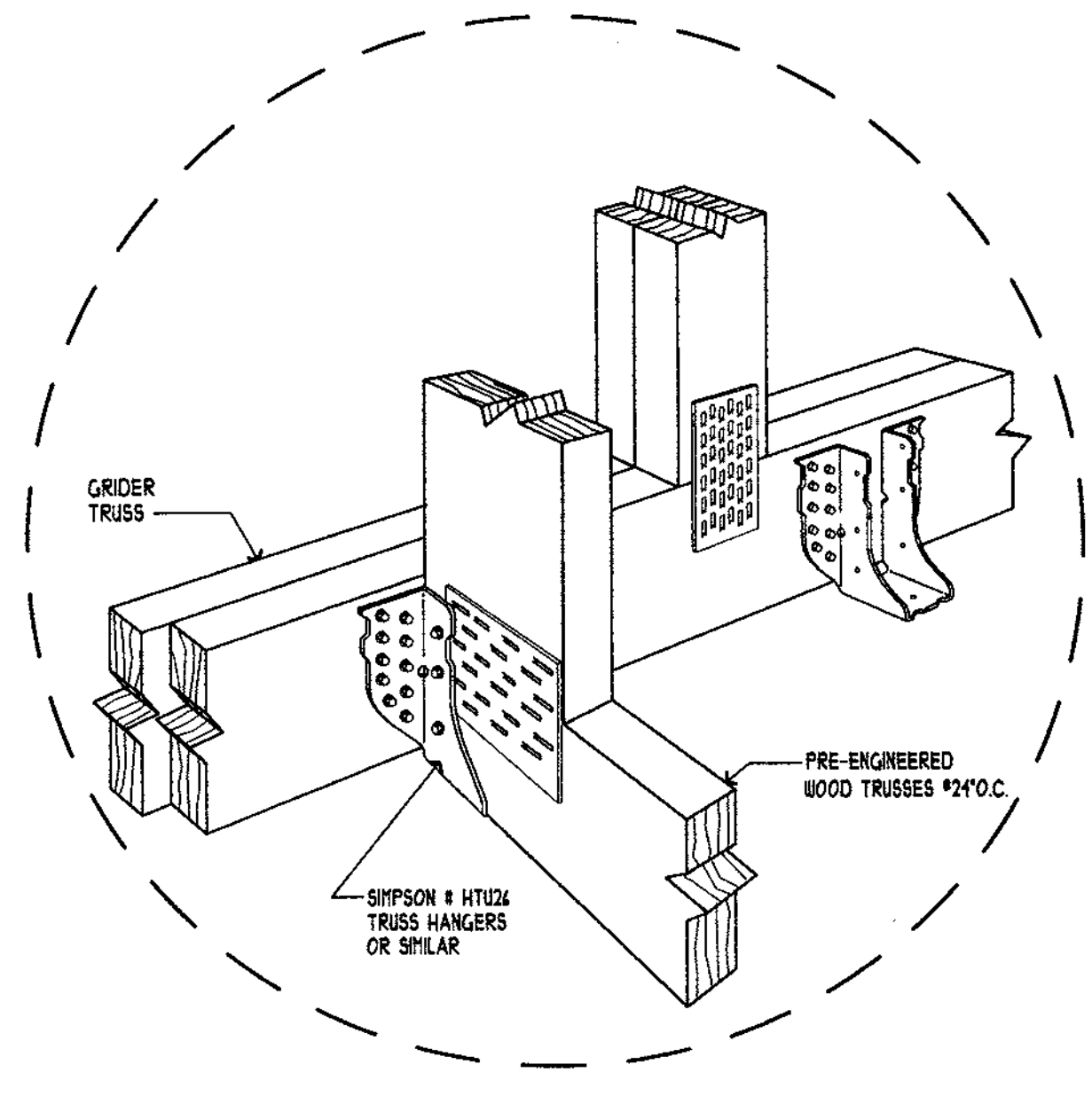
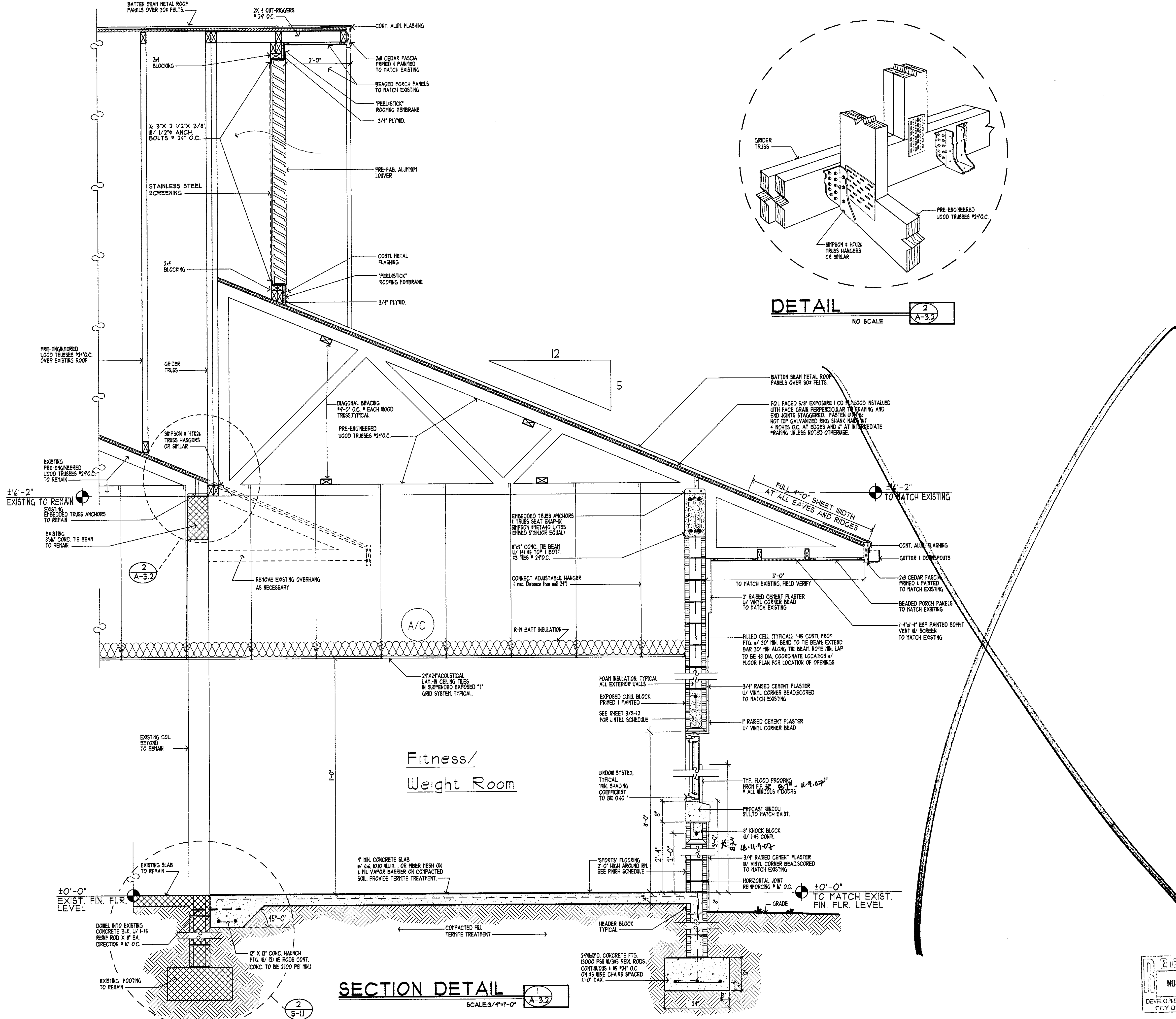
DRAWN **AV**

DATE **07.Nov.'07**

**SECTION & DETAILS**  
**Clearwater Beach Library & Recreation Center Consolidation**  
65 BAY ESPERANZA CLEARWATER, FLORIDA 33761

PROJECT NO. **07-214**

SHEET NO. **A-3.2**



**DETAIL** 2  
A-3.2  
NO SCALE

Fitness/  
Weight Room

**SECTION DETAIL** 1  
A-3.2  
SCALE: 3/4\"/>

STEPHEN R. FOWLER  
 ARCHITECTS, INC.  
 1421 COURT STREET CLEARWATER, FLORIDA 33764  
 TEL: (727) 447-5838  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-0005443  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER ACC001665

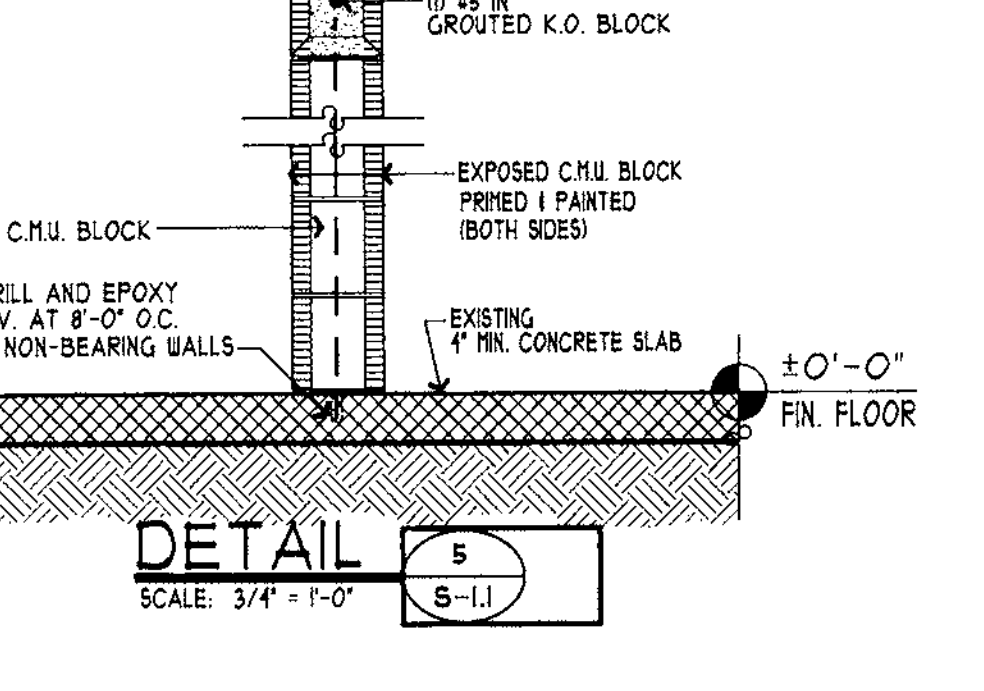
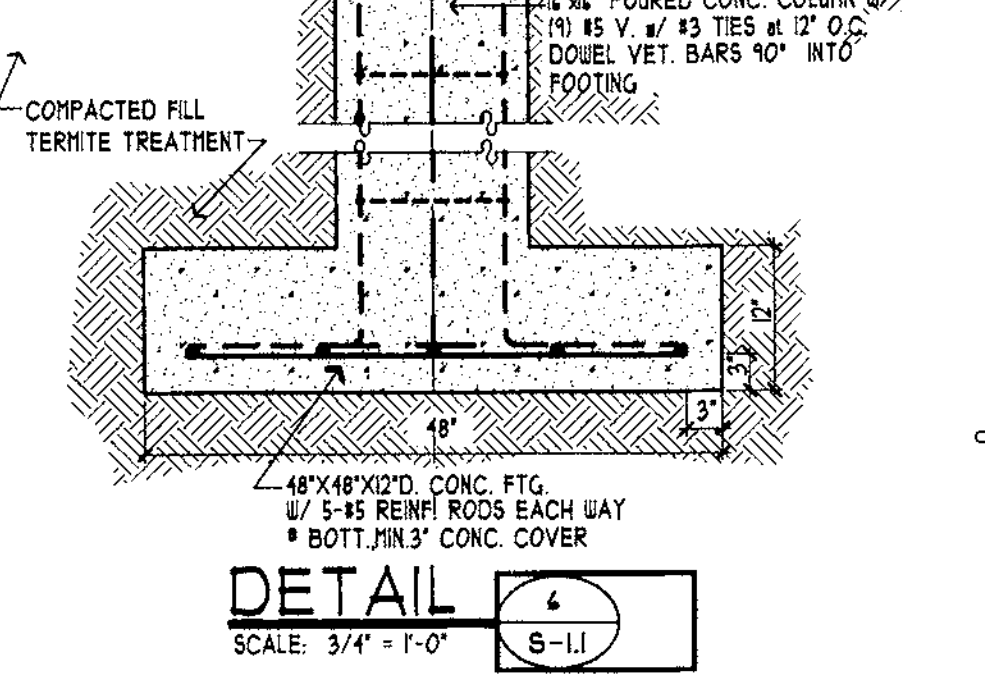
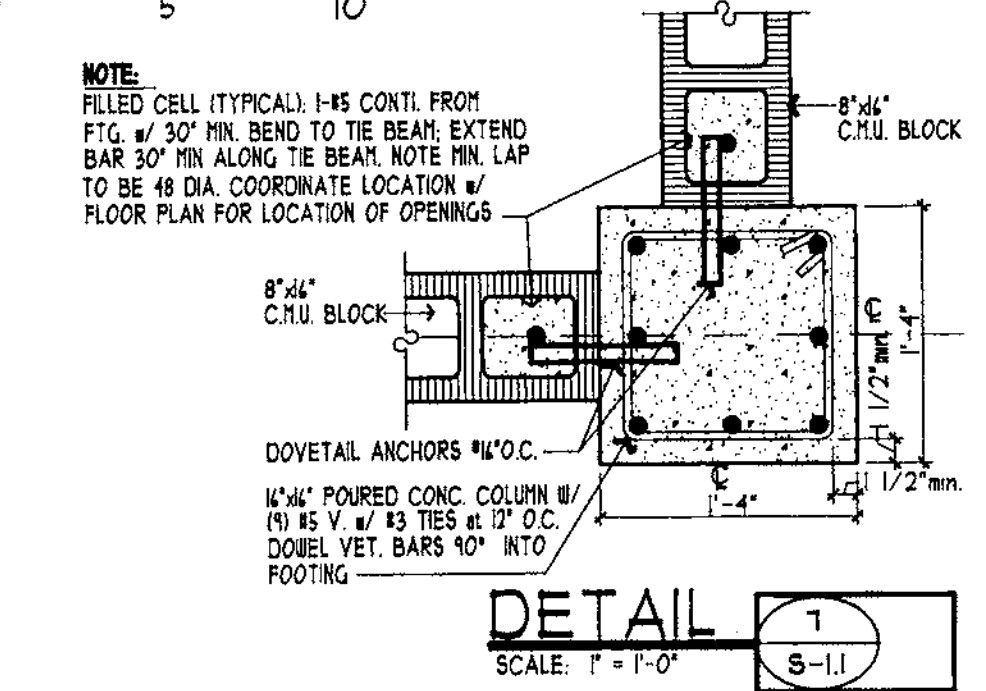
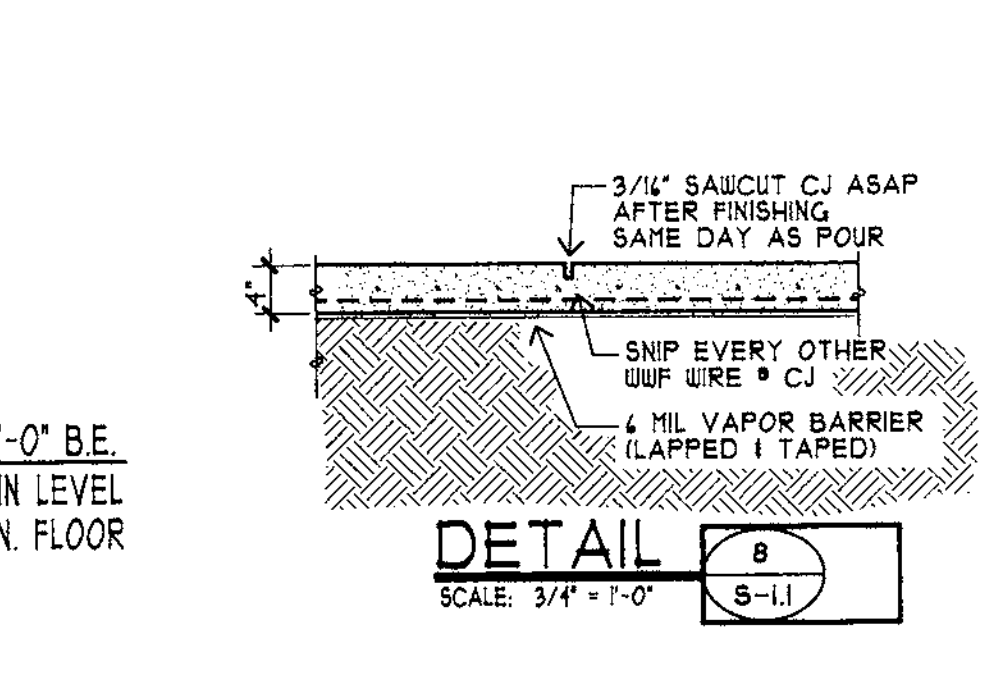
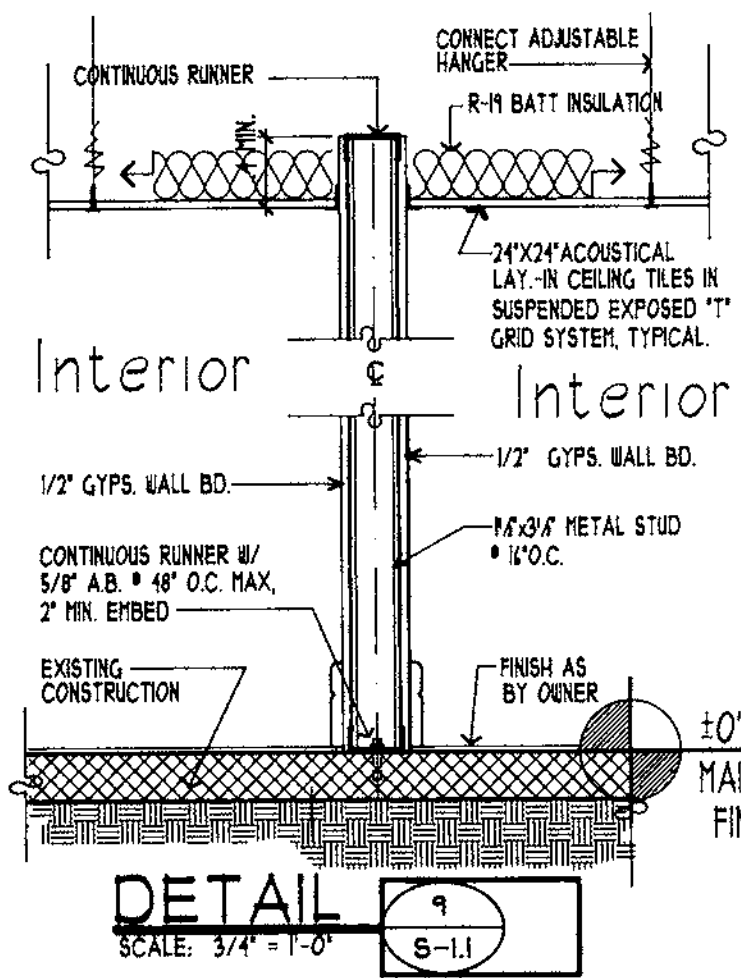
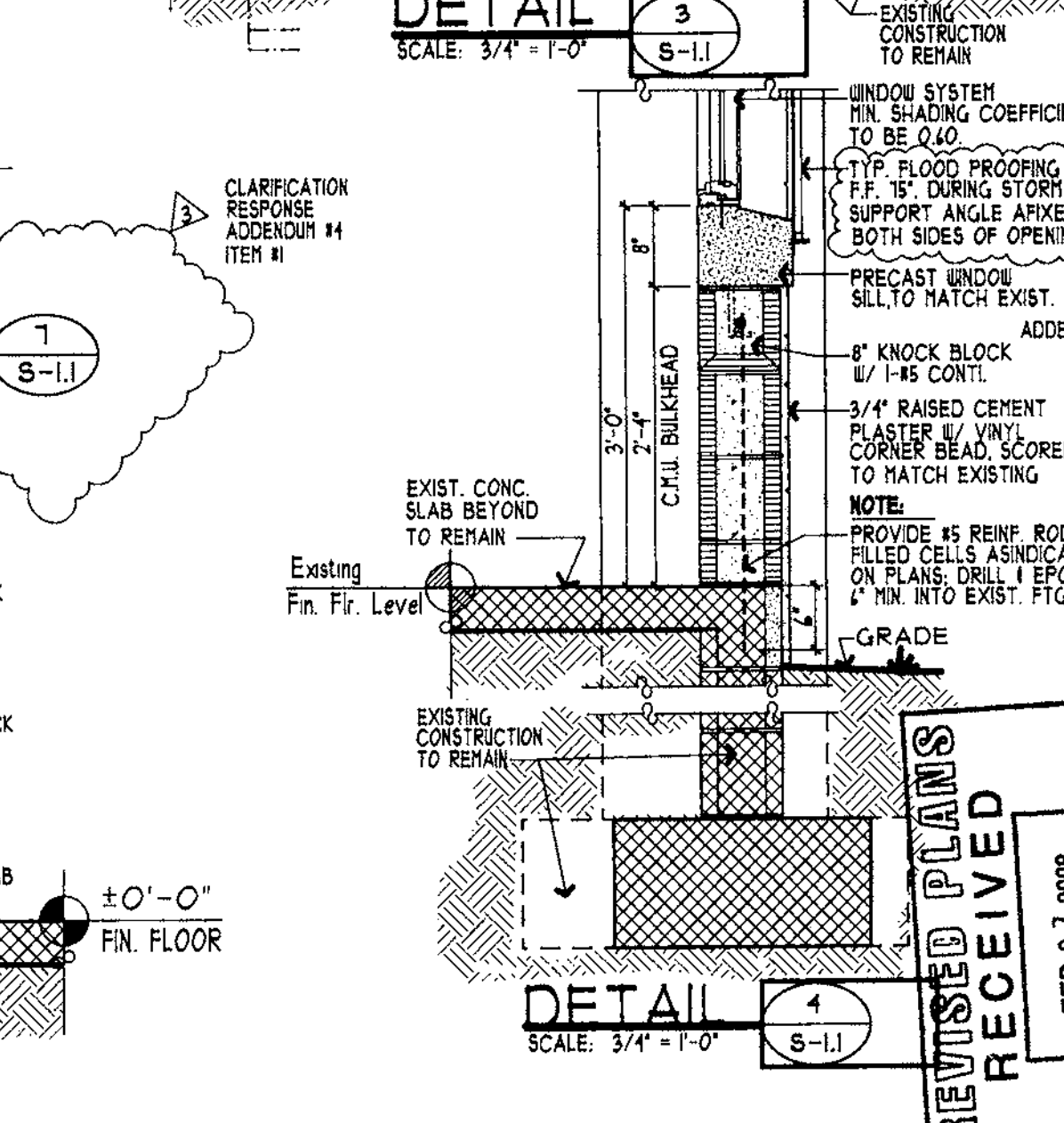
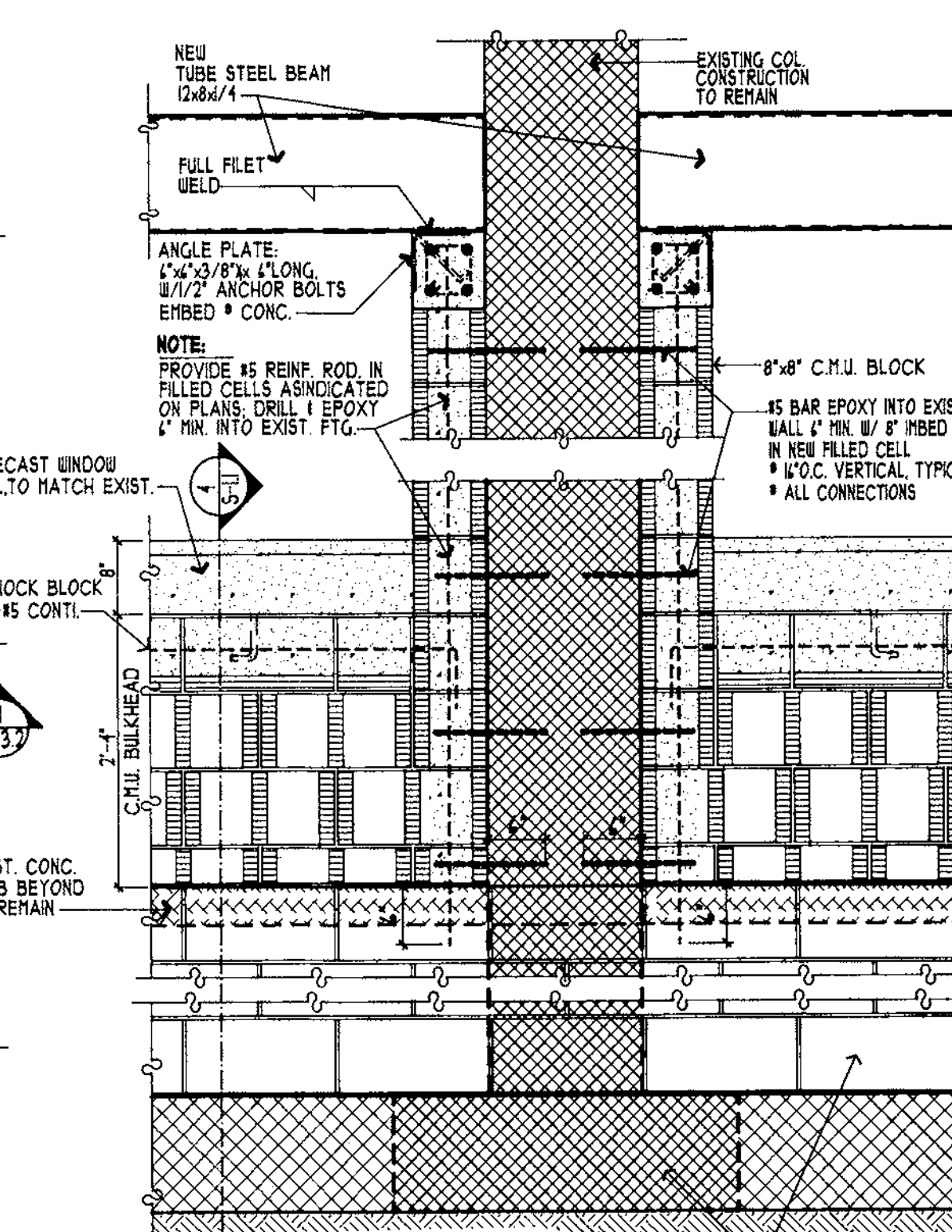
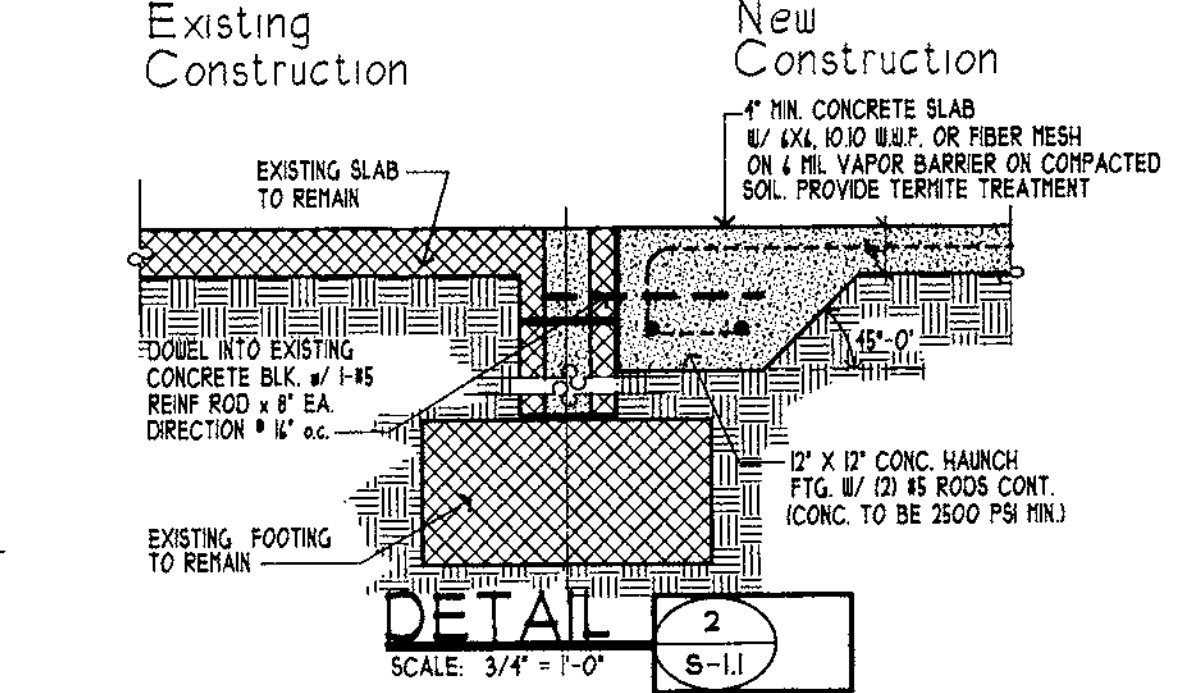
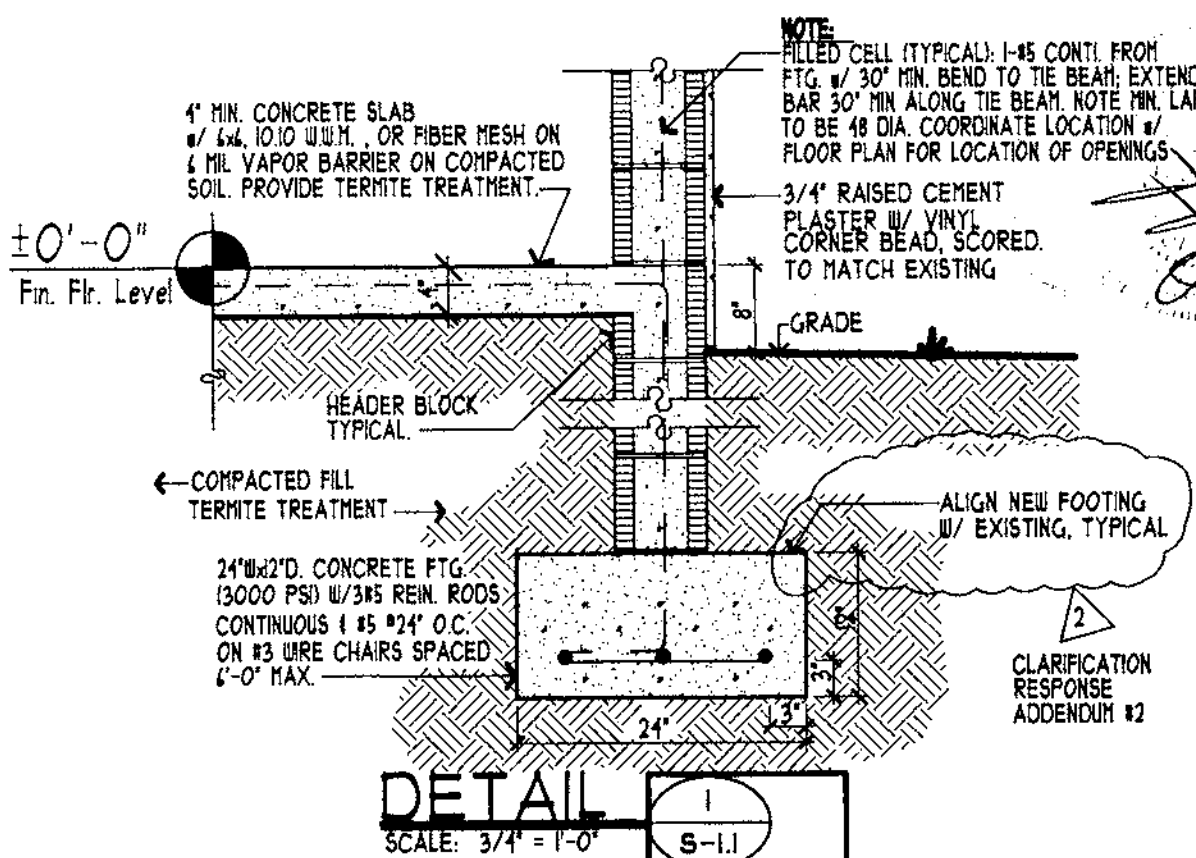
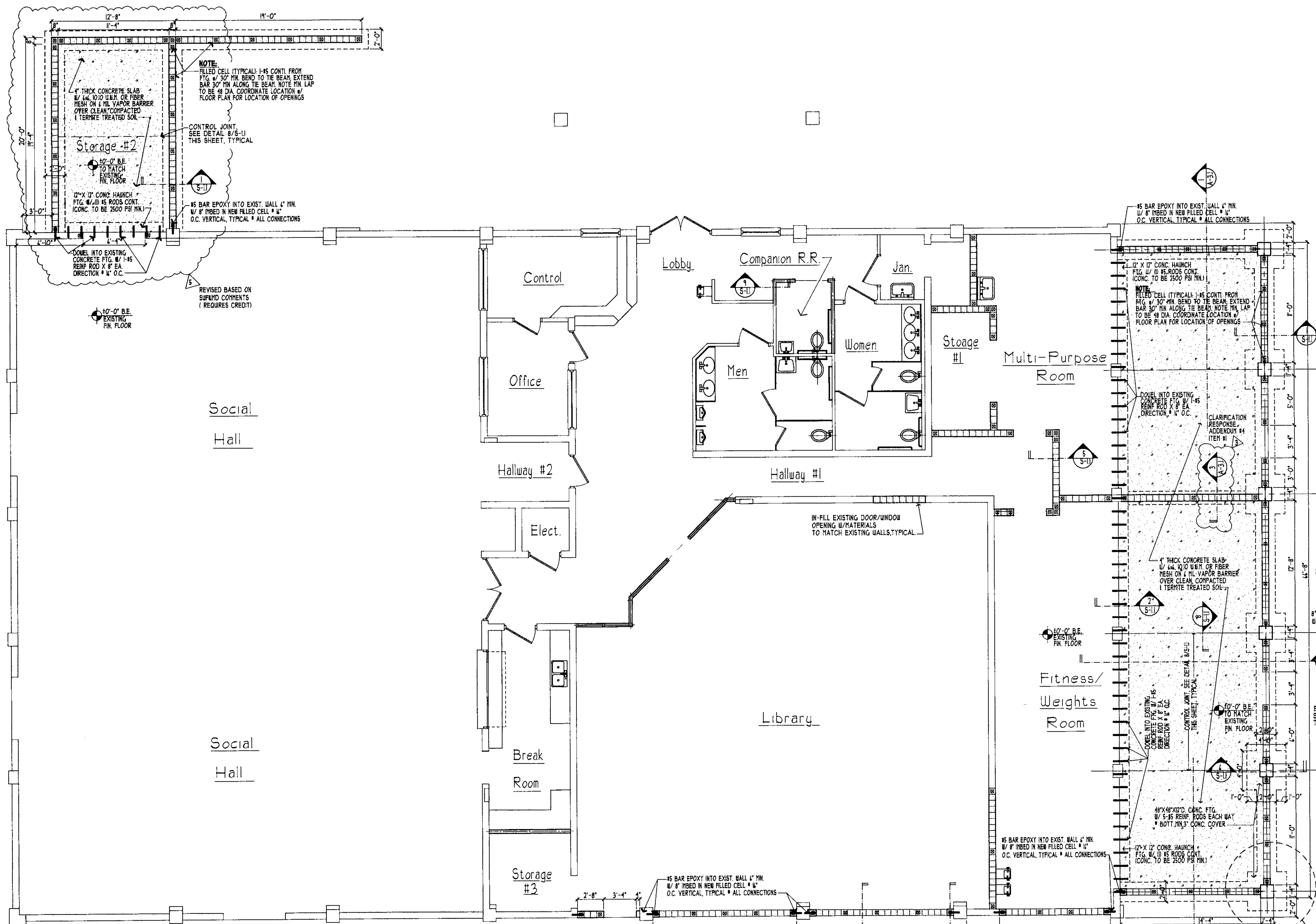
BY	
REVISION	
NO.	
DATE	
DRAWN	AV
DATE	07.Nov.'07

**SECTION & DETAILS**  
 Clearwater Beach Library &  
 Recreation Center Consolidation  
 69 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33764

PROJECT NO.	01-214
SHEET NO.	A-3.2

**RECEIVED**  
 NOV 09 2007  
 DEVELOPMENT SERVICES DEPT.  
 CITY OF CLEARWATER



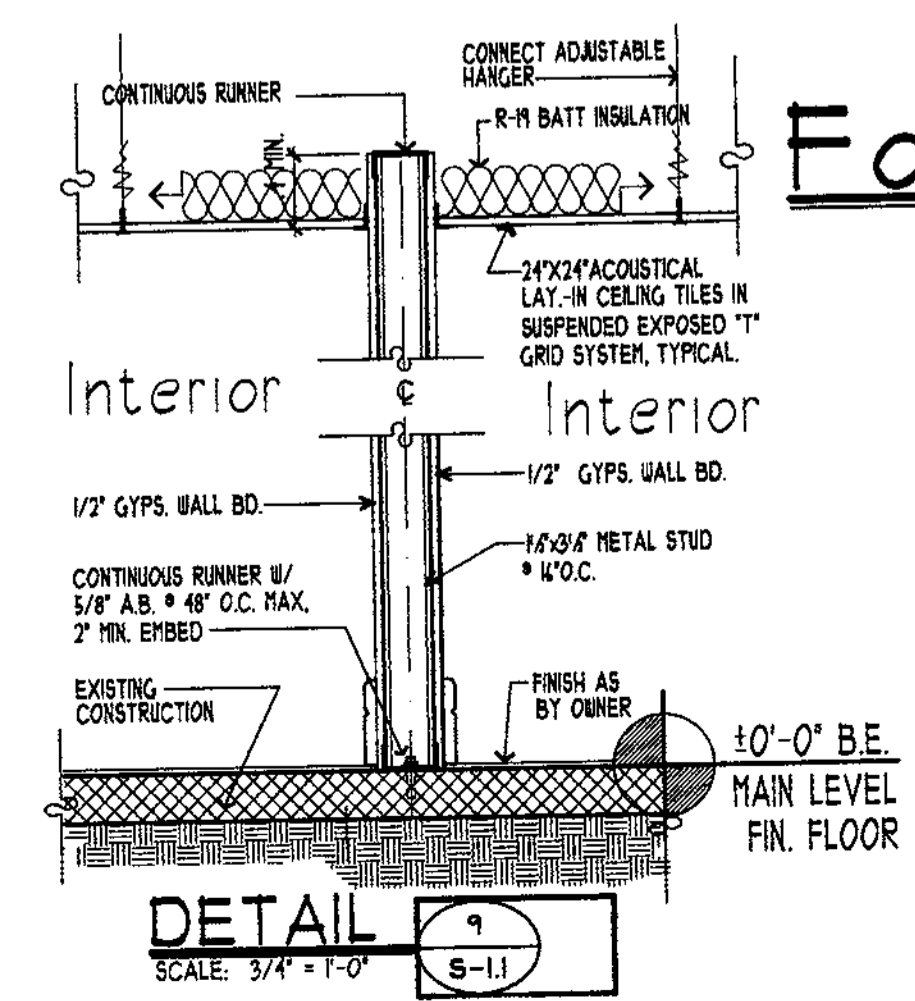
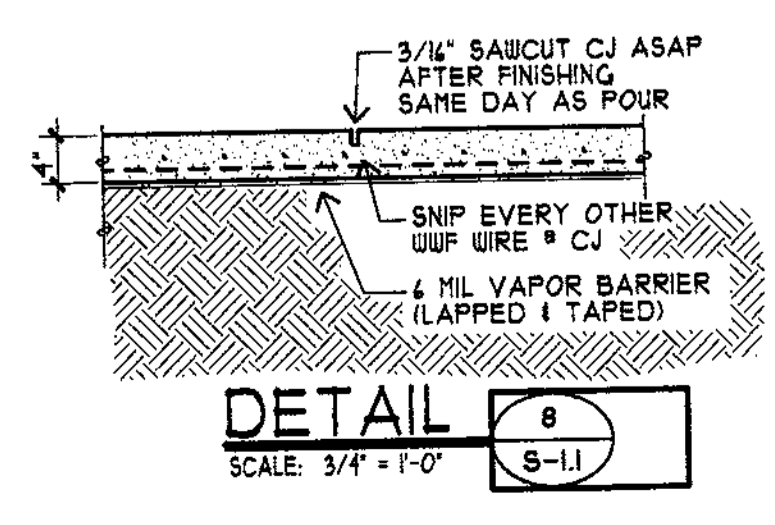
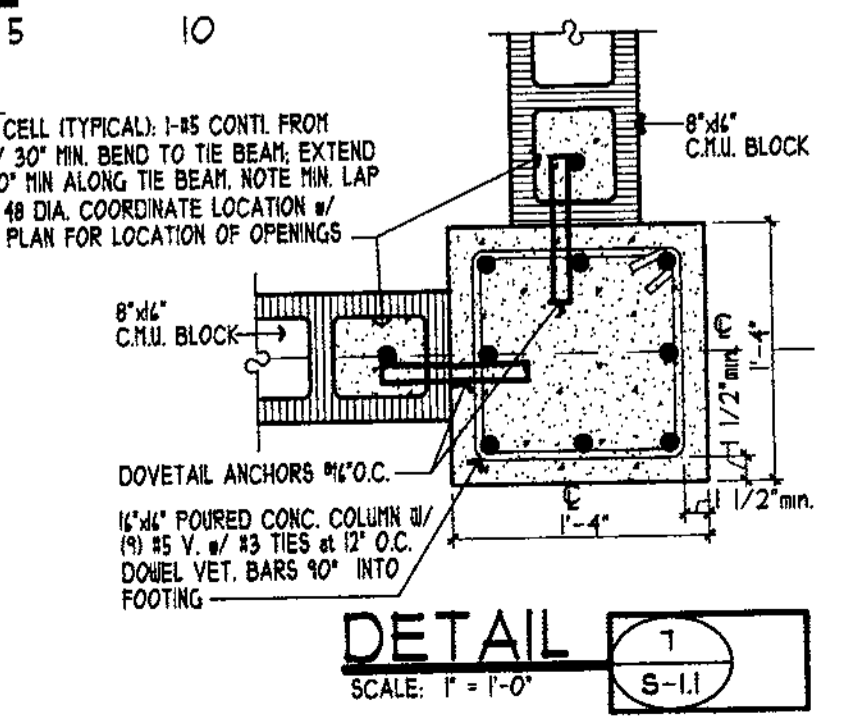
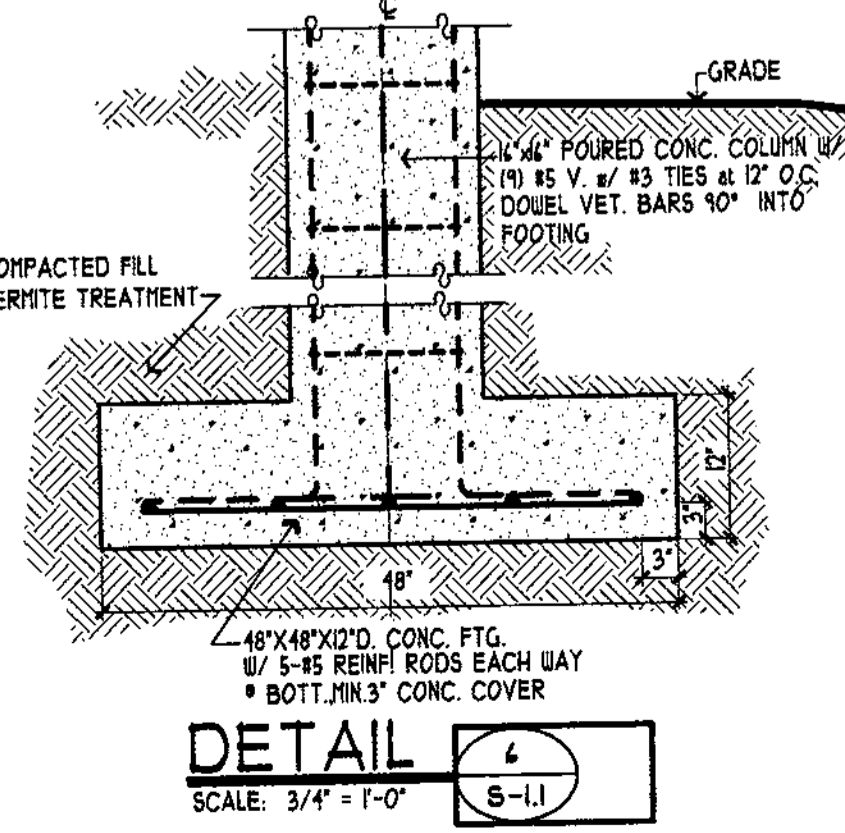
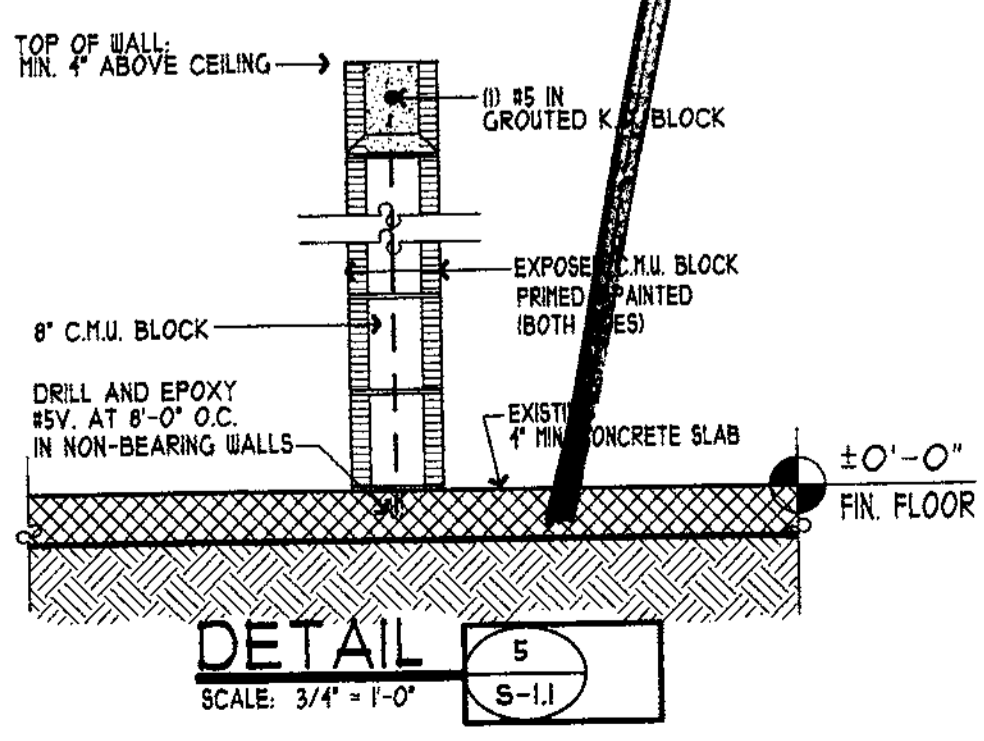
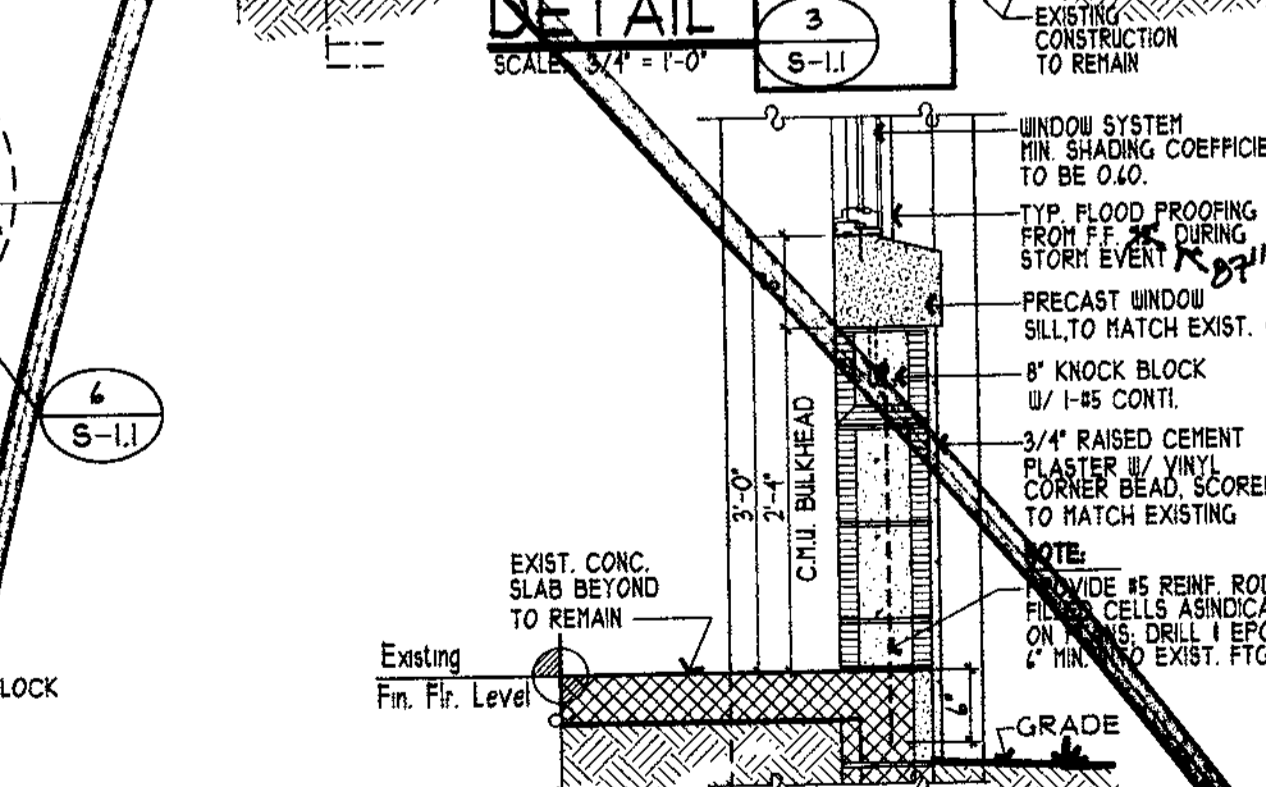
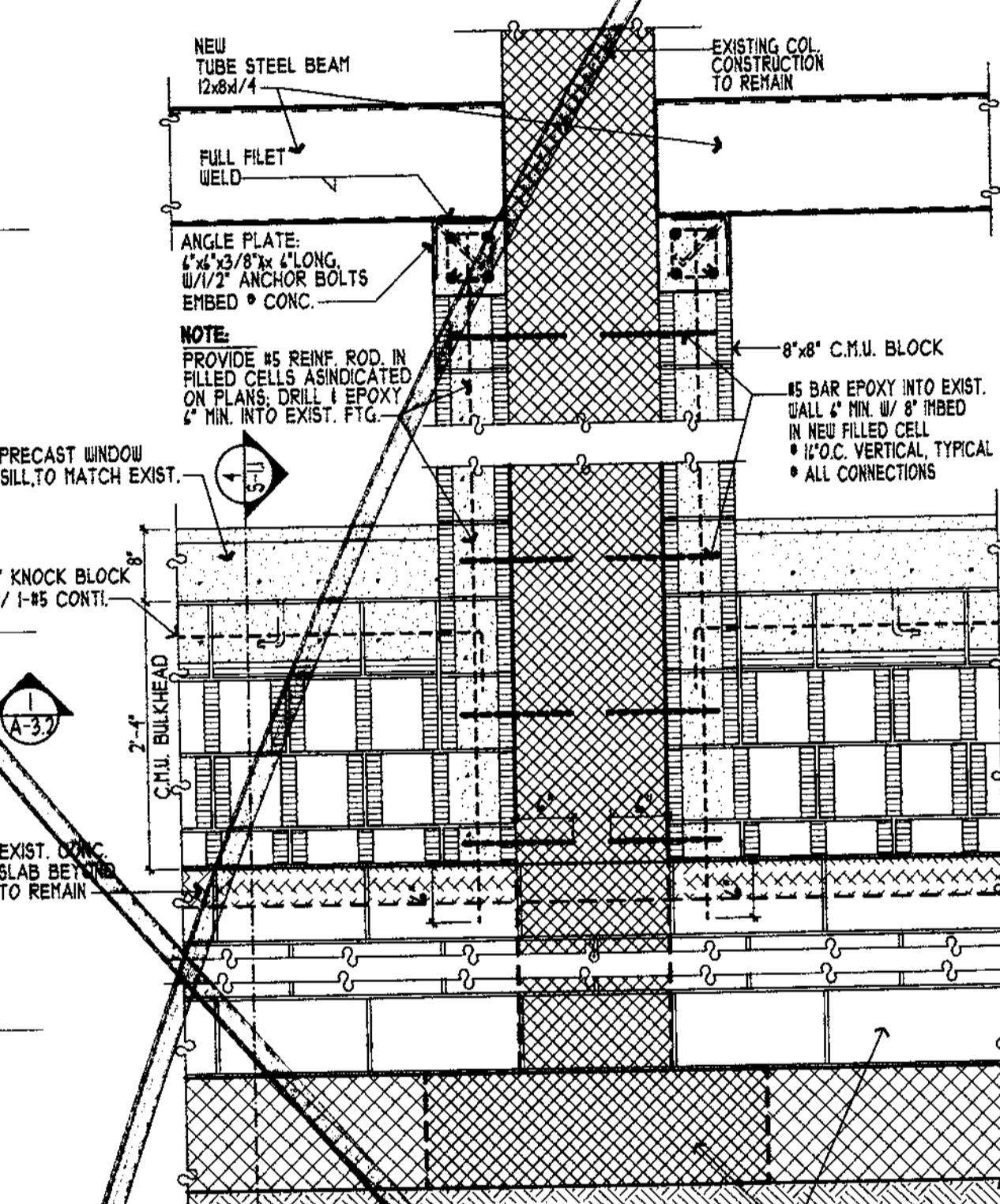
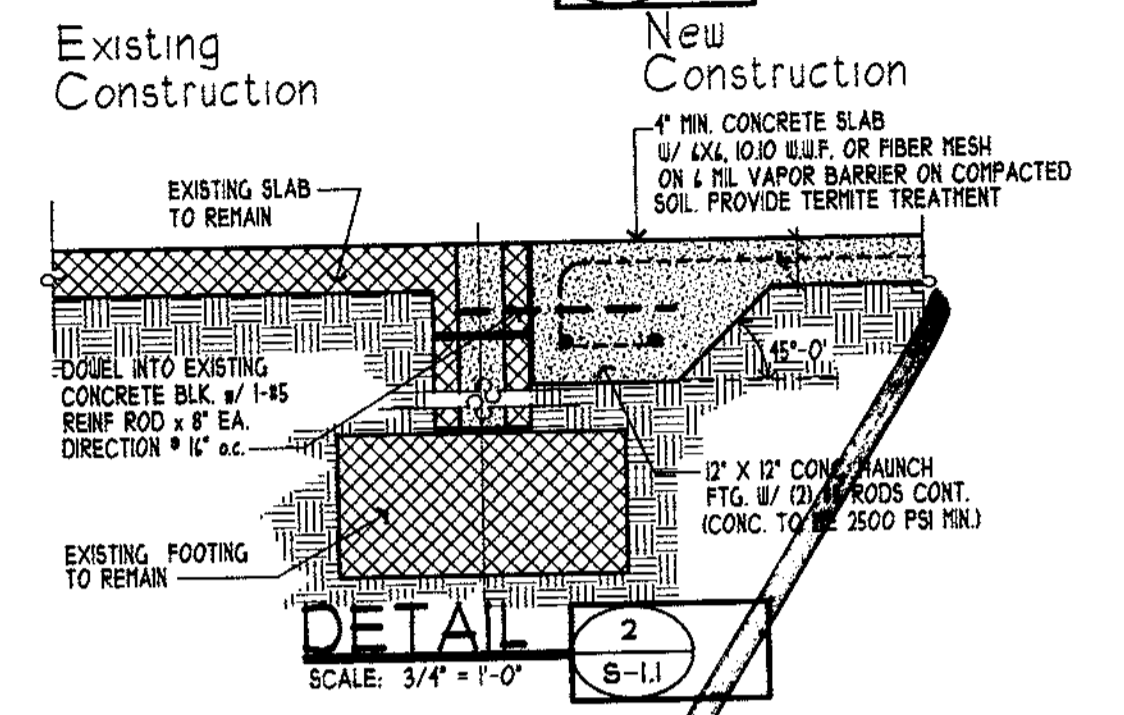
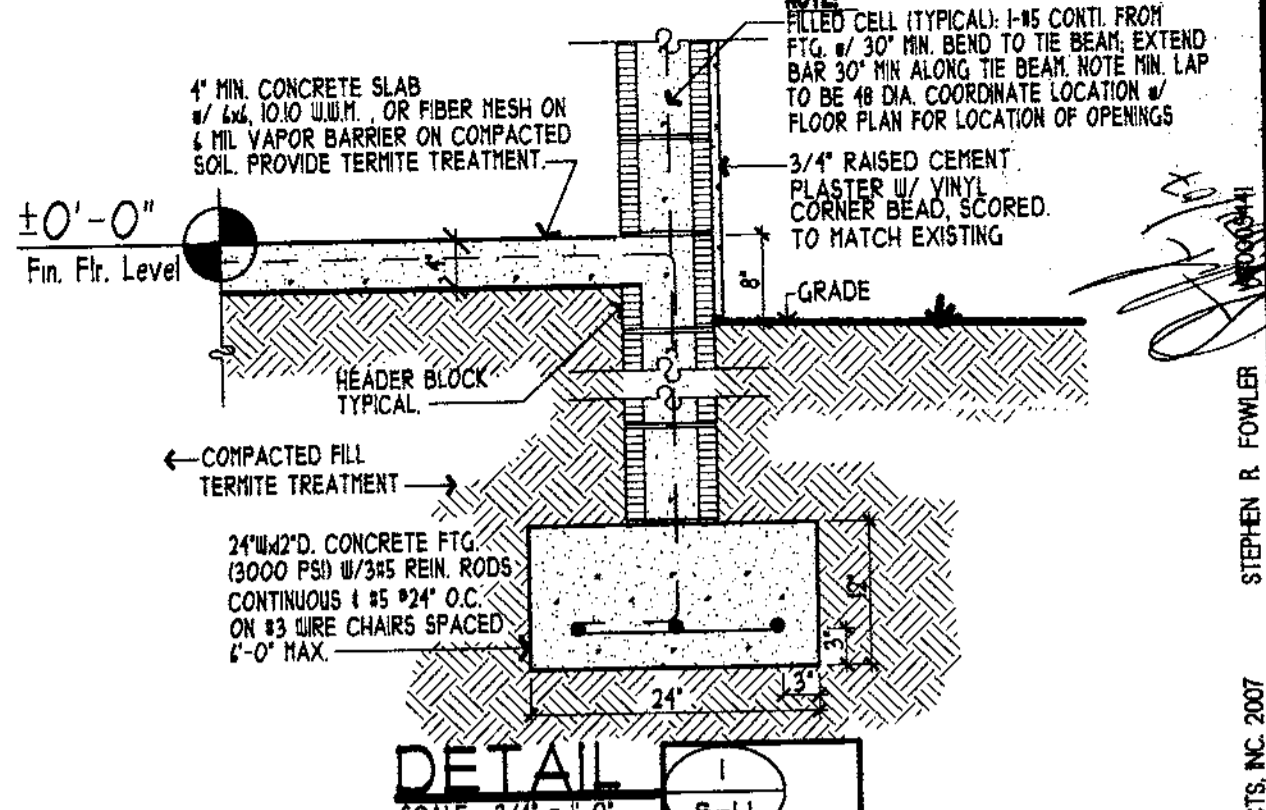
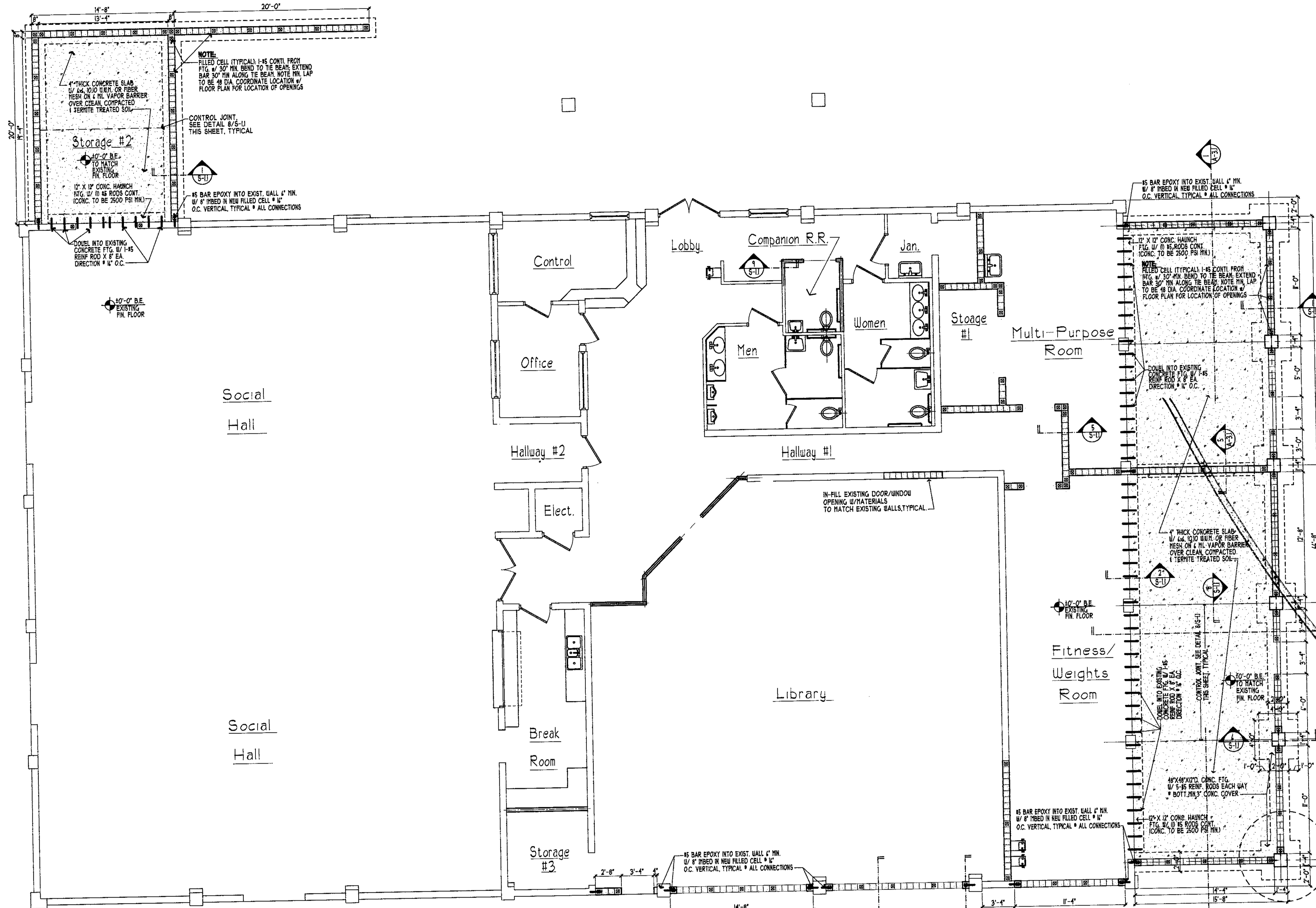


**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 1421 COURT STREET, CLEARWATER, FLORIDA 34616  
 STATE OF FLORIDA ARCHITECTURAL REGISTRATION NUMBER 140000066  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER 140000066

NO.	REVISION	DATE	BY	CHK
1	REVISED HEIGHT FLOOD PROOFING	13-Nov-07	AV	AV
2	ADDED NOTE TO ALIGN W/ EXISTING FIG.	21-Nov-07	AV	AV
3	REVISED FOR REQUEST	28-Nov-07	AV	AV
4	REVISED HEIGHT FLOOD PROOFING	10-Dec-07	AV	AV
5	REVISED FOR CONTRACTOR	28-Jan-08	AV	AV

DATE: 07-Nov-'07

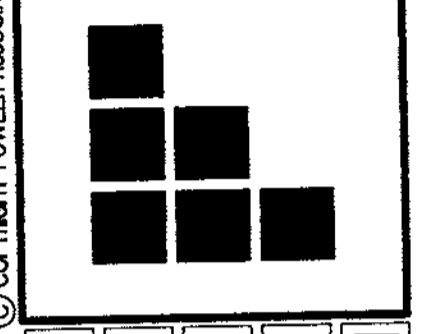
Foundation Plan & Details  
**Clearwater Beach Library & Recreation Center Consolidation**  
 49 BAY ESPERANDE, CLEARWATER, FLORIDA 34616  
 FEB 07 2008  
 REVISED PLANS RECEIVED  
 CITY OF CLEARWATER



**Foundation Plan** SCALE: 3/4" = 1'-0"



**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 1421 CENTER STREET CLEARWATER, FLORIDA 34615  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AB-0005441  
 CERTIFICATE OF CORPORATE AUTHORIZATION AR-000065



REVISION

NO.	DATE

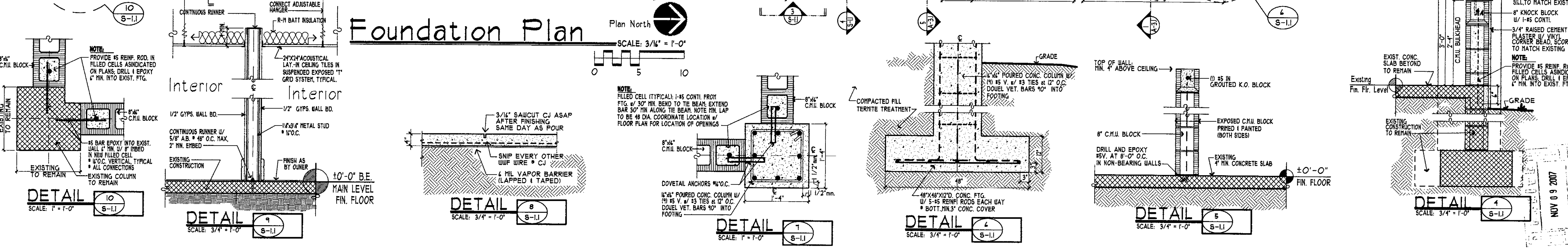
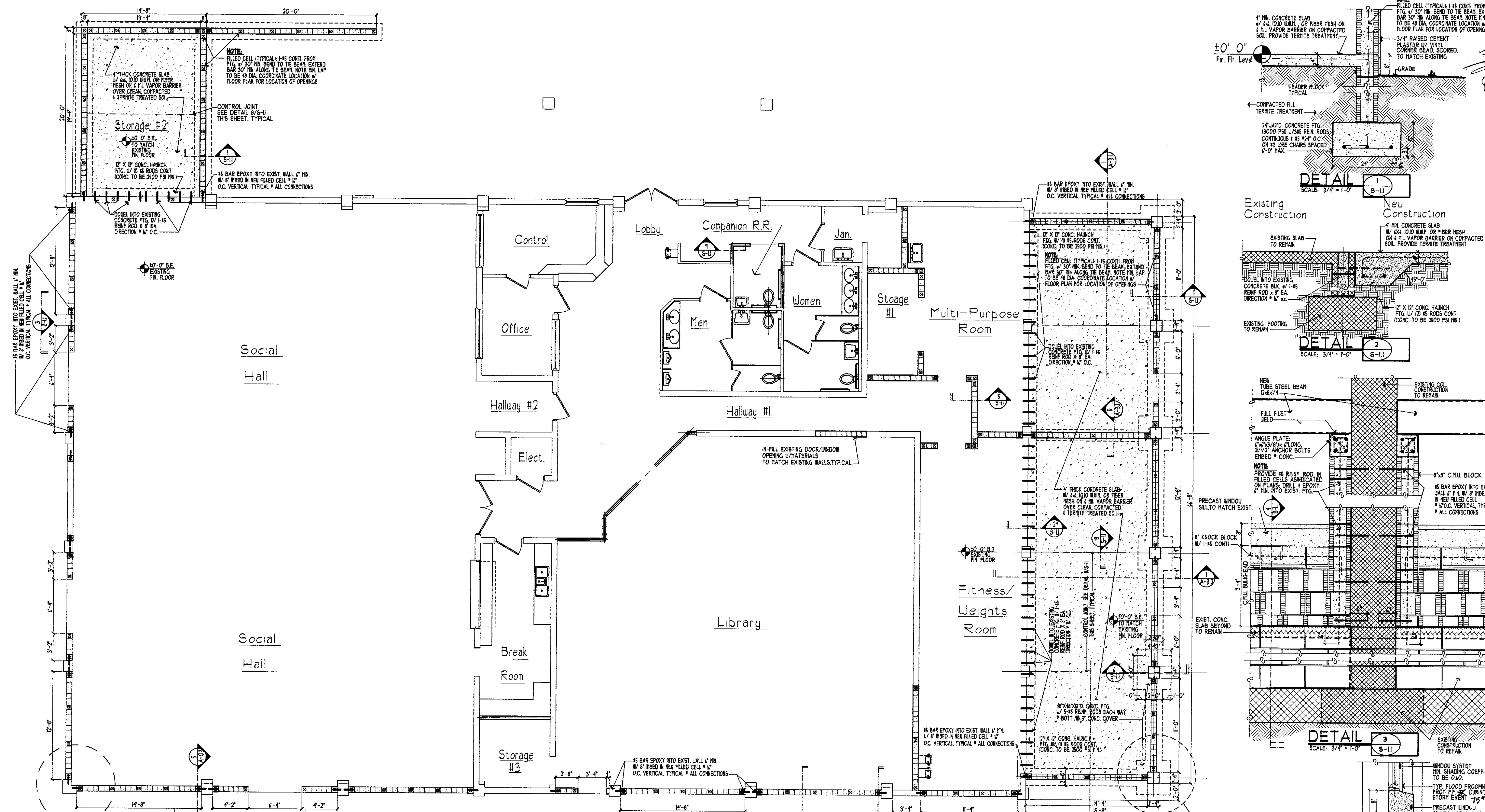
DATE: 07.Nov.'07

AV

Foundation Plan & Details  
**Clearwater Beach Library & Recreation Center Consolidation**  
 48 BAY ESPLANADE CLEARWATER, FLORIDA 33111

NOV 9 2007  
 SHEET NO. 07-214  
 S-1.1

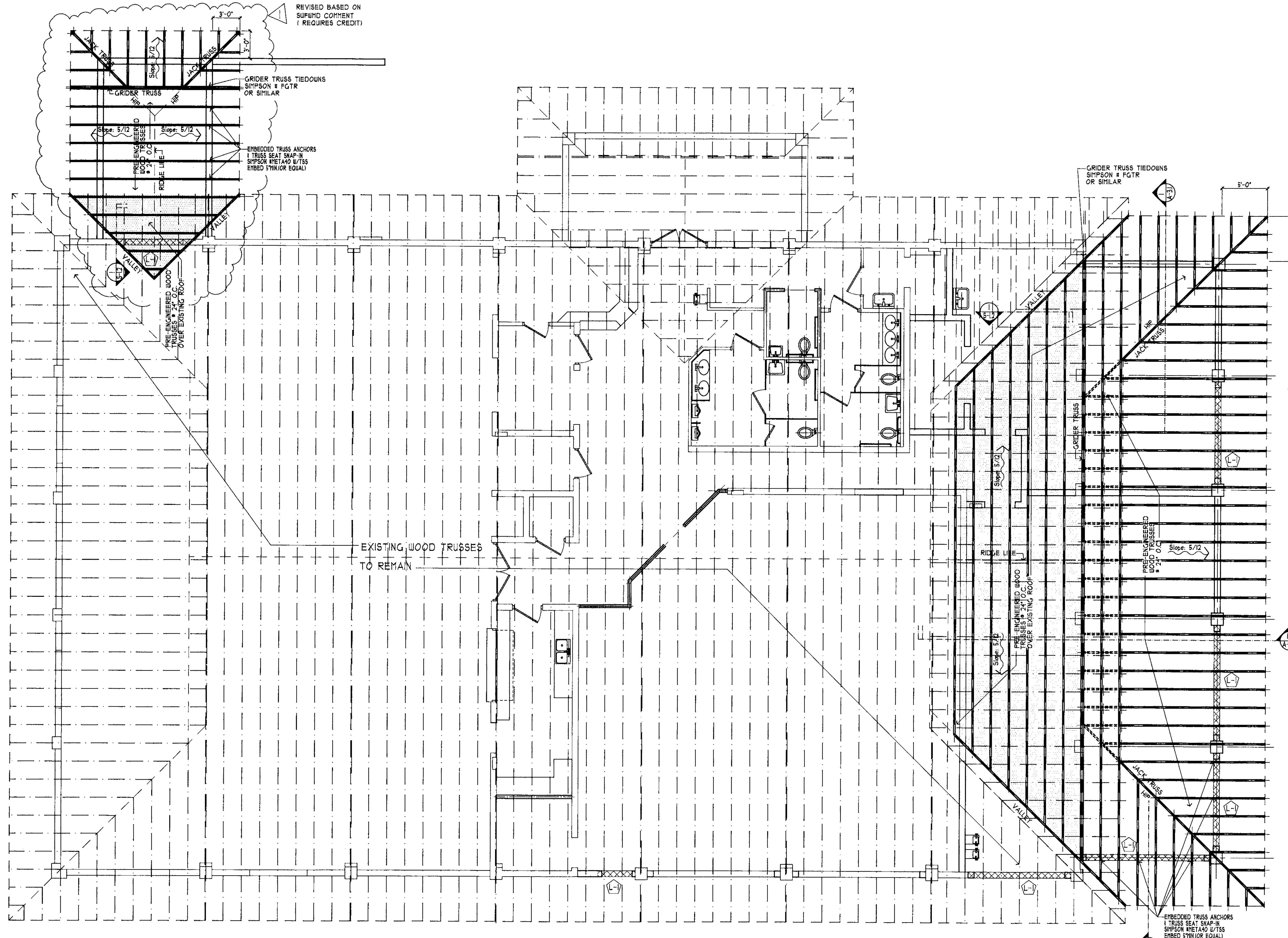
STEPHEN R. FOWLER  
 ARCHITECT



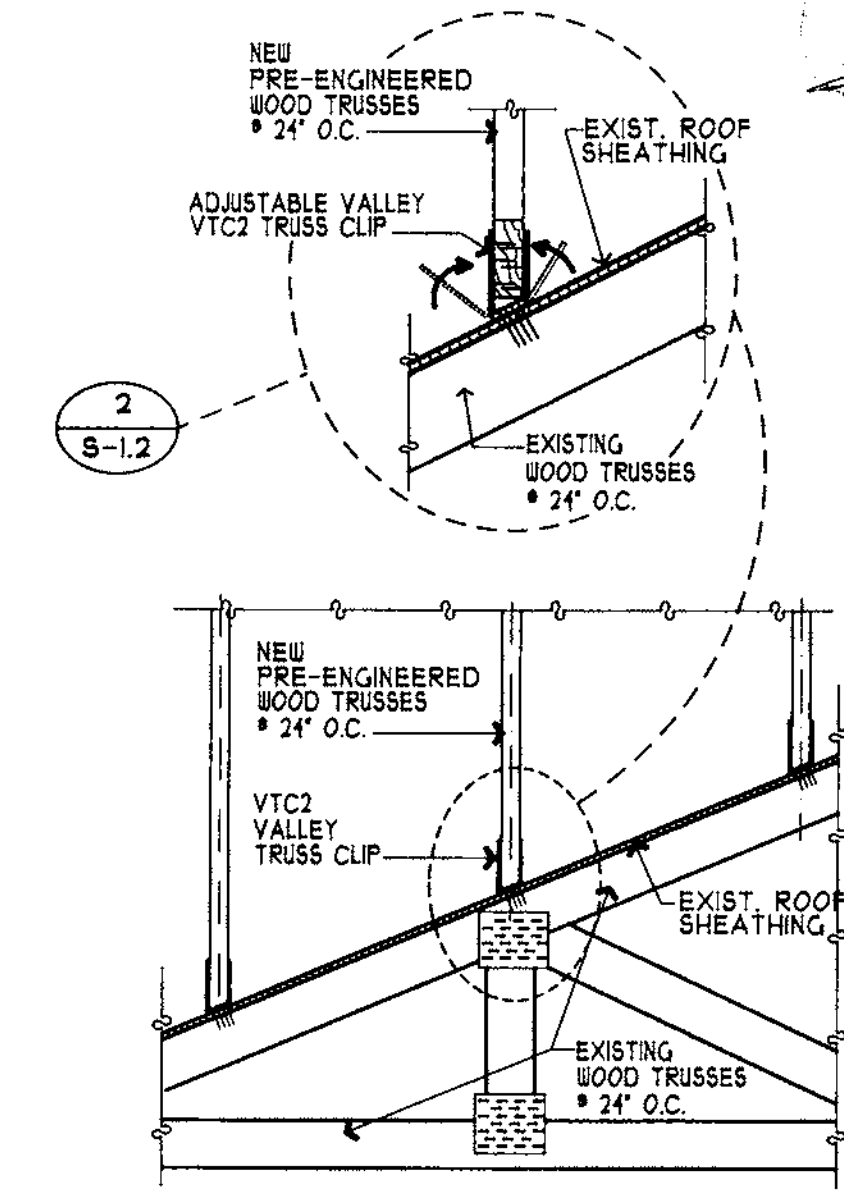
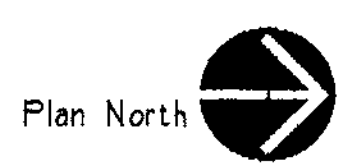
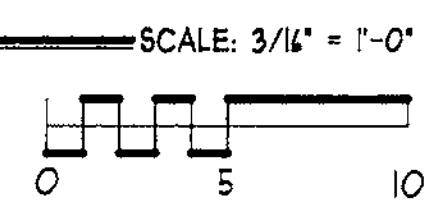
BY	
REVISION	
NO.	
DATE	
DRAWN	AV
DATE	07.Nov.'07

FOUNDATION PLAN & DETAILS  
**Clearwater Beach Library & Recreation Center Consolidation**  
 41 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33147

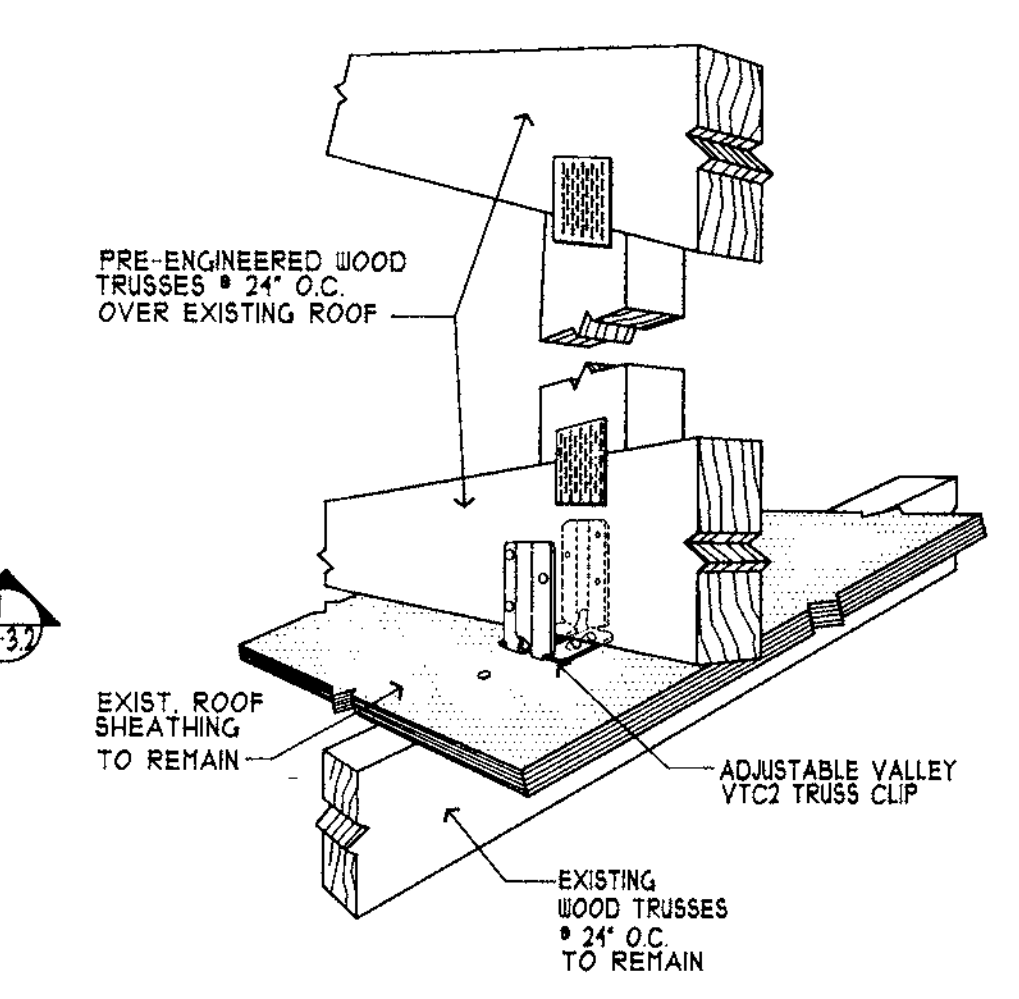
PROJECT NO. 07-214  
 SHEET NO. S-1.1a  
 Alternate #1  
 NOV 09 2007  
 DEVELOPMENT SERVICES DEPT  
 CITY OF CLEARWATER



# Roof Framing Plan

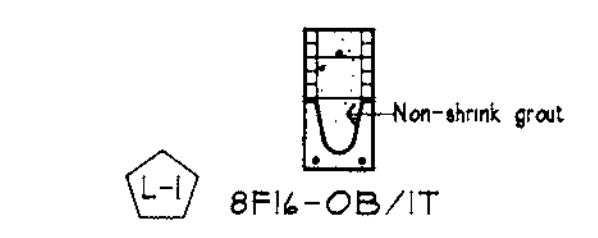


**TYPICAL TRUSS OVERBUILD DETAIL** SCALE: 3/4" = 1'-0" 1 S-1.2



**DETAIL** SCALE: 3/4" = 1'-0" 2 S-1.2

**LINTEL SCHEDULE** (See Detail, this Sheet)  
 L-1: CAST-CRETE #8F16-OB/IT  
 (Min. 4" Bearing)



**DETAIL** SCALE: 3/4" = 1'-0" 3 S-1.2

**REVISED PLANS RECEIVED**  
 FEB 07 2008  
 DEVELOPMENT & NEIGHBORHOOD SERVICES  
 CITY OF CLEARWATER

8002 9 0 000  
 ARCHITECT

STEPHEN B. FOWLER  
 © COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007

**FOWLER ASSOCIATES ARCHITECTS, INC.**

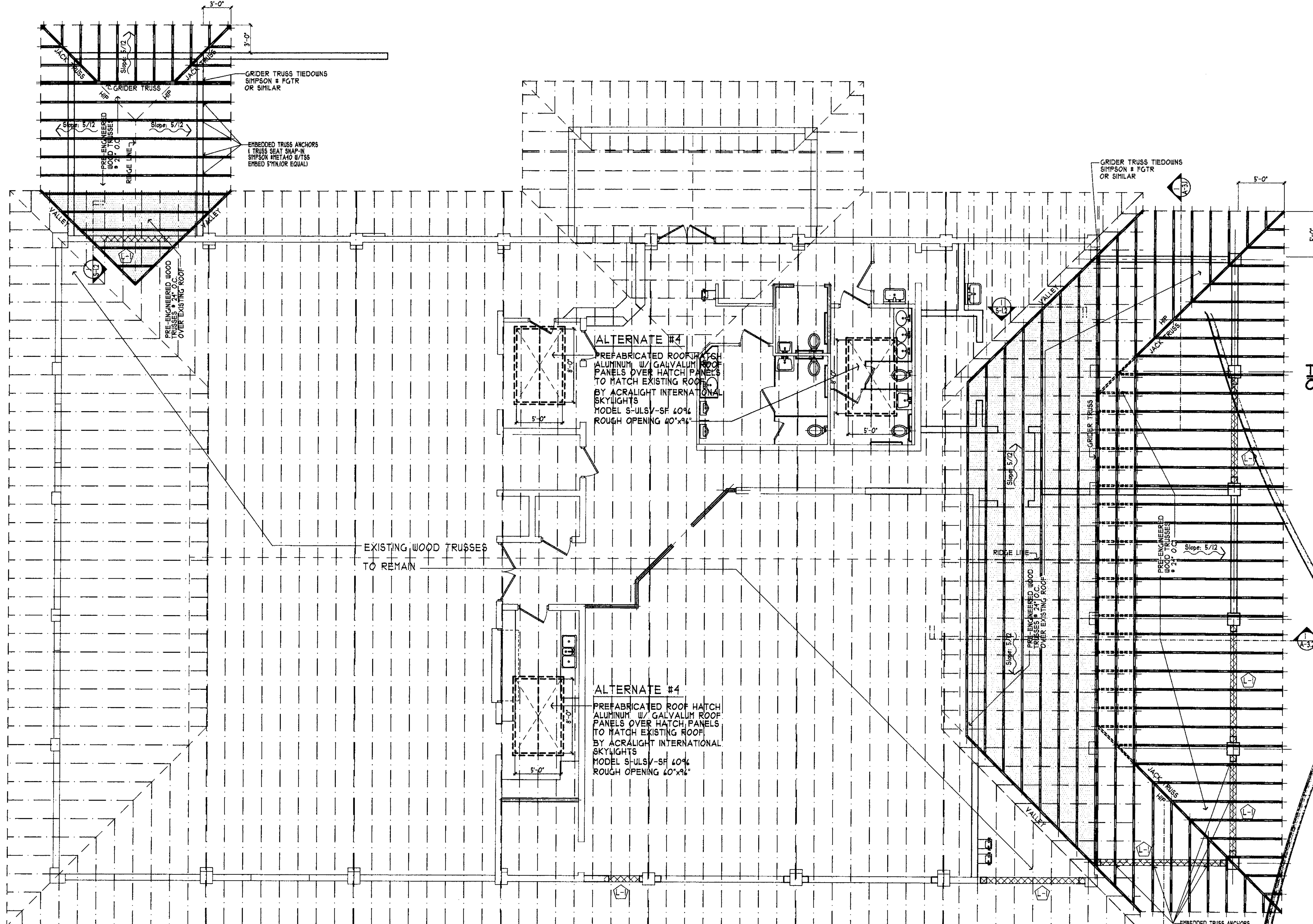
1421 OCEAN AVENUE, SUITE 1000, CLEARWATER, FLORIDA 34625  
 STATE OF FLORIDA LICENSE NO. 172744-0000  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: 140001665

BY	AV
REVISION	REVISOR
NO.	NO.
DATE	DATE
28. JAN. 08	1
	REVISOR FOR CONTRACTOR

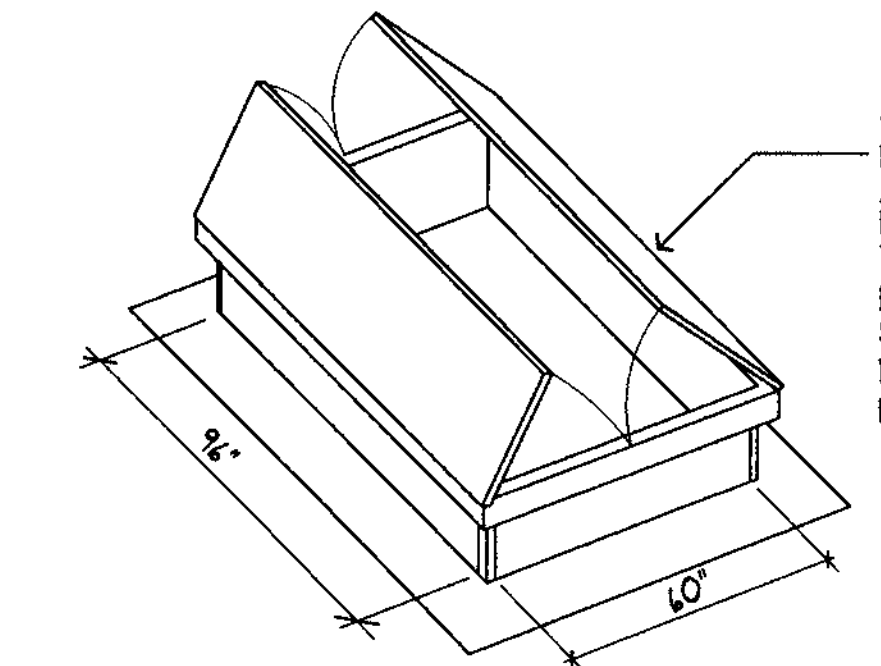
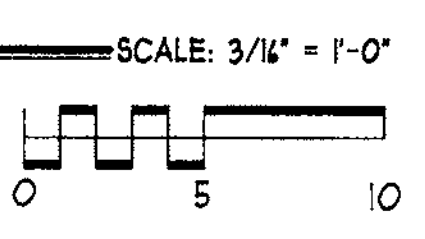
DRAWN	AV
DATE	07.Nov.'07

Roof Framing Plan & Details  
**Clearwater Beach Library & Recreation Center Consolidation**  
 49 BAY ESPERANDE  
 CLEARWATER, FLORIDA 33761

PROJECT NO.	07-214
SHEET NO.	S-1.2



# Roof Framing Plan

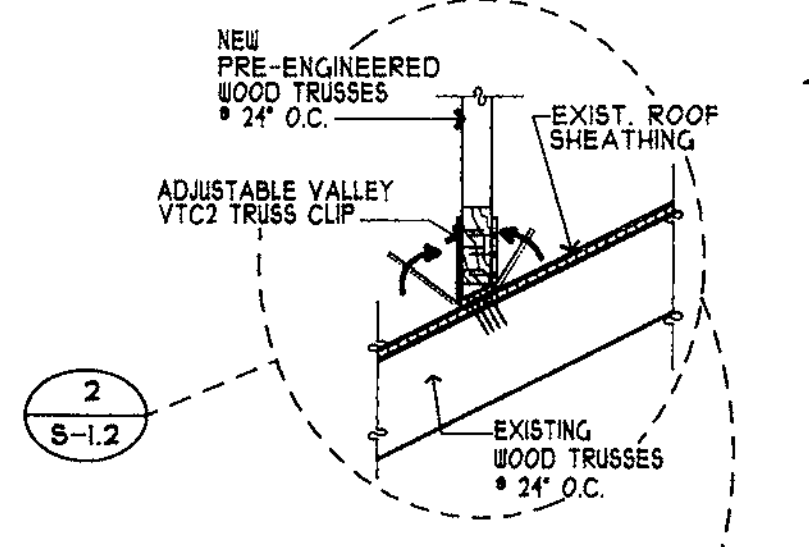


**PREFAB. ROOF HATCH**  
NO SCALE S-1.2

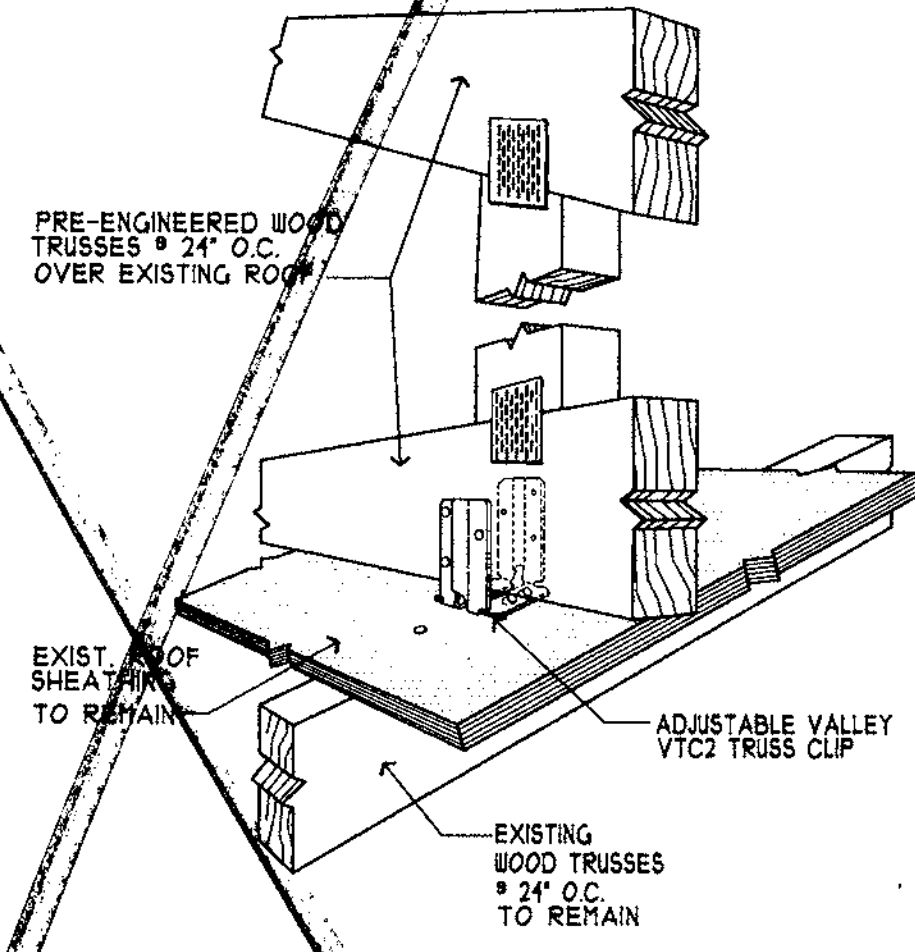
**ALTERNATE #4**  
PREFABRICATED ROOF HATCH  
ALUMINUM W/ GALVALUM ROOF  
PANELS OVER HATCH PANELS  
TO MATCH EXISTING ROOF.  
BY ACRALIGHT INTERNATIONAL  
SKYLIGHTS  
MODEL S-ULSV-SF 4094  
ROUGH OPENING 40\"/>

**ALTERNATE #4**  
PREFABRICATED ROOF HATCH  
ALUMINUM W/ GALVALUM ROOF  
PANELS OVER HATCH PANELS  
TO MATCH EXISTING ROOF.  
BY ACRALIGHT INTERNATIONAL  
SKYLIGHTS  
MODEL S-ULSV-SF 4094  
ROUGH OPENING 40\"/>

**ALTERNATE #4**  
PREFABRICATED ROOF HATCH  
ALUMINUM W/ GALVALUM ROOF  
PANELS OVER HATCH PANELS  
TO MATCH EXISTING ROOF.  
BY ACRALIGHT INTERNATIONAL  
SKYLIGHTS  
MODEL S-ULSV-SF 4094  
ROUGH OPENING 40\"/>

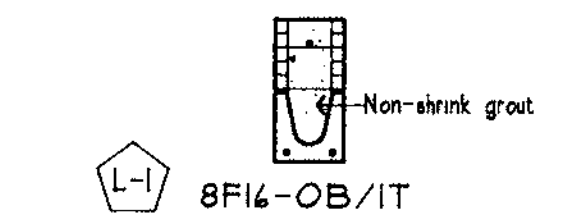


**TYPICAL TRUSS OVERBUILD DETAIL**  
SCALE: 3/4\"/>

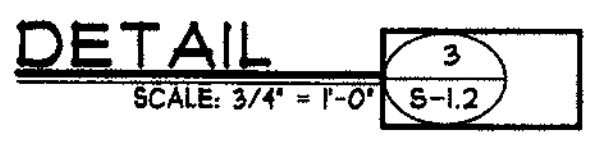


**DETAIL 1**  
SCALE: 3/4\"/>

**LINTEL SCHEDULE** (See Detail, this Sheet)  
L-1: CAST-CRETE #8F14-OB/IT  
(Min. 4\"/>



**DETAIL 2**  
SCALE: 3/4\"/>



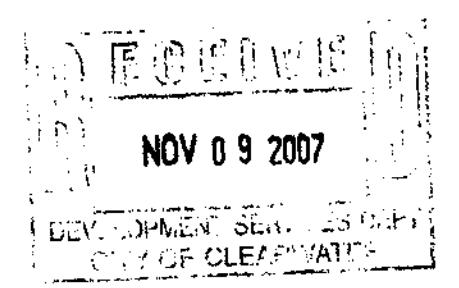
**DETAIL 3**  
SCALE: 3/4\"/>

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
142 QUINCY STREET CLEARWATER, FLORIDA 34625 ■ TEL (727) 447-5369 ■ FAX (727) 447-5369  
STATE LICENSE NO. 120000000 ■ PROFESSIONAL SEAL NO. 120000000 ■ CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER ■ 120000000

BY	REVISION
DATE	NO.
DRAWN	DATE
AV	07.Nov.'01

Roof Framing Plan & Details  
**Clearwater Beach Library & Recreation Center Consolidation**  
4<sup>th</sup> BAY ESPLANADE  
CLEARWATER, FLORIDA 33767

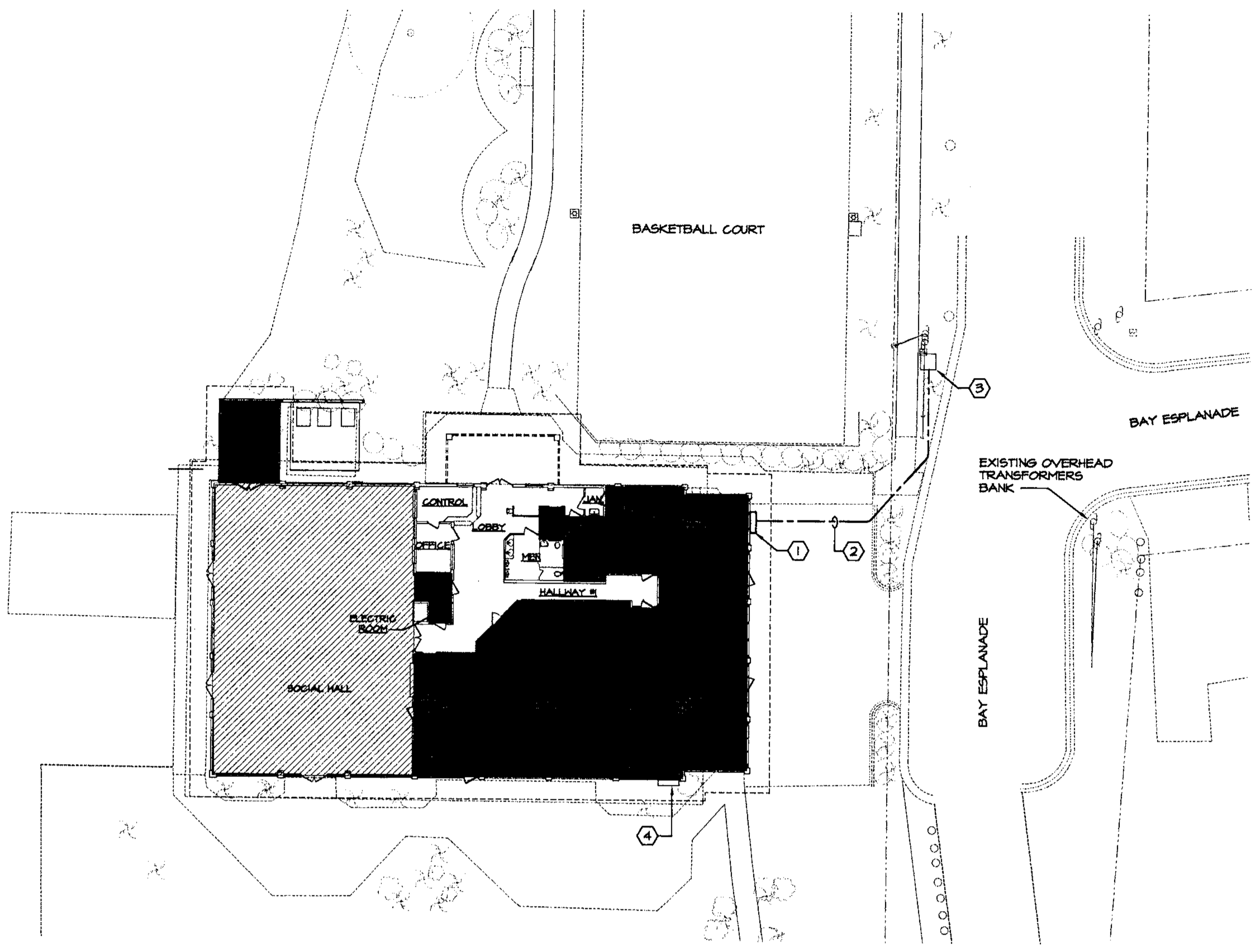
PROJECT NO. **07-214**  
SHEET NO. **S-1.2**



- ELECTRICAL**
- ### NOTES
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF N.E.C. AND ALL LOCAL CODES AND ORDINANCES.
  - ALL MATERIALS SHALL BE NEW AND OF DOMESTIC ORIGIN AND SHALL BEAR UNDERWRITERS' LABEL WHERE APPLICABLE.
  - ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST-CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM IS TO BE FULLY OPERABLE AND ACCEPTANCE OF THIS SYSTEM BY THE ENGINEER/ARCHITECT MUST BE A CONDITION OF THE SUB CONTRACT.
  - ALL WORK TO BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
  - CONTRACTOR TO GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE.
  - CORRECTION OF ANY DEFECTS TO BE COMPLETED WITHOUT ADDITIONAL CHARGE AND TO INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
  - ALL REQUIRED INSURANCE TO BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OF PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
  - CONTRACTOR TO PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING.
  - ELECTRICAL INSTALLATION TO MEET ALL STANDARD REQUIREMENTS OF LOCAL POWER AND TELEPHONE COMPANIES.
  - MINIMUM WIRE SIZE SHALL BE #12 AWG, EXCLUDING CONTROL WIRING, UNLESS OTHERWISE NOTED. ALL CONDUCTORS SHALL BE COPPER WITH THIN/THIN INSULATION. CONDUCTORS #12 AND SMALLER MAY BE SOLID; ALL THOSE #10 AND LARGER TO BE STRANDED.
  - ALL UNDERGROUND RACEWAYS SHALL BE GALVANIZED RIGID STEEL CONDUIT OR SCHEDULE 40 PVC. ALL OTHER RACEWAYS TO COMPLY WITH GOVERNING CODES. MINIMUM CONDUIT UNDERGROUND SHALL BE 3/4" CONDUIT U.O.N.
  - OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS, AND BE OF SPECIAL CONSTRUCTION FOR OTHER CLASSIFIED AREAS. ALL BOXES SHALL BE RECESSED (FLUSH) IN WALLS OR CEILING WHENEVER POSSIBLE.
  - DISCONNECT SWITCHES SHALL BE H.P. RATED, GENERAL DUTY, QUICK-MAKE, QUICK-BREAK TYPE. ENCLLOSURES SHALL BE AS REQUIRED BY N.E.C. AND LOCATION (WEATHERPROOF, EXPLOSION PROOF, ETC.).
  - ALL GENERAL PURPOSE SWITCHES AND RECEPTACLES SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER. COLOR OF DEVICES AND PLATES SHALL BE DICTATED BY ARCHITECT/OWNER TO MATCH BUILDING STANDARD.
    - A. SWITCHES: BUILDING STANDARD
    - B. RECEPTACLES: BUILDING STANDARD
    - C. COVER PLATES: BUILDING STANDARD
 NOTE: ALL OTHER REQUIRED DEVICES SHALL MATCH IN COLOR AND STYLE.
  - ALL RACEWAYS AND PIPES SPACED IN OR THROUGH ANY CONCRETE SLAB SHALL BE SPACED A MINIMUM OF THREE TIMES THE DIAMETER OF THE LARGEST RACEWAY.
  - IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM, AND PROVIDE ALL NECESSARY DEVICES AND COMPONENTS FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
  - ALL ELECTRICAL RACEWAYS (METALLIC AND NON-METALLIC) SHALL HAVE AN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C.
  - LOAD DATA IS BASED ON INFORMATION GIVEN ENGINEER AT THE TIME OF DESIGN. VERIFY ALL EQUIPMENT NAMEPLATE RATINGS BEFORE ORDERING.
  - CIRCUITS SHOWN ON PLANS ARE TO DETERMINE LOAD DATA AND PANEL SIZES. THE CONTRACTOR IS TO PROVIDE CIRCUITS AND ROUTING OF CONDUITS TO SUIT JOB CONDITIONS.
  - CONDUIT SYSTEM REQUIREMENTS:
    - ABOVE FINISH FLOOR, CEILING ETC... (INDOOR) - EMT WITH DIECAST SET SCREW FITTINGS.
    - GALVANIZED RIGID CONDUITS - ABOVE GRADE AND WHERE SUSCEPTIBLE TO PHYSICAL DAMAGE.
    - FLEXIBLE CONDUITS - INDOOR, ONLY SHORT RUNS NOT TO EXCEED 6'-0". SEAL TITE - OUTDOOR, ONLY SHORT RUNS NOT TO EXCEED 6'-0".
  - ALL ELECTRICAL CONDUCTORS SHALL BE INSTALLED IN AN APPROVED RACEWAY.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL CONDUIT PENETRATIONS MADE THROUGH FIRE RATED WALLS, CEILING, SLABS, ETC. PENETRATION SEALS SHALL BE PER U.L. ASSEMBLY STANDARDS.
  - CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SUBMITTALS FOR (IF APPLICABLE) WIRING DEVICES, AND ALL SYSTEMS.

- CONTRACTOR**
- ### NOTES
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL PRIOR TO SUBMITTING A BID. REPORT ANY DISCREPANCIES TO ARCHITECT OR ENGINEER PRIOR TO BID.
- BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED, OR FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION BEEN MADE, WILL NOT BE ALLOWED.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT, LANDLORD, OR TENANT OF ANY DISCREPANCIES ENCOUNTERED ON THE PLANS OR IN EXISTING SITE CONDITIONS PRIOR TO SUBMISSION OF BID.
- ALL EXISTING CIRCUITS TO REMAIN SHALL BE RECONNECTED WHETHER INDICATED OR NOT ON PROJECT DOCUMENTS.
- NEW AND EXISTING CIRCUIT DESIGNATIONS MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. THEY ARE INTENDED FOR REFERENCE ONLY.
- COORDINATE WITH OTHER TRADES FOR ITEMS IN THEIR SCOPE OF WORK WHICH WOULD REQUIRE ELECTRICAL WORK, (DISCONNECTION, RECONNECTION, ETC.) AND ARE NOT INDICATED ON ELECTRICAL DRAWINGS.
- THESE NOTES APPLY TO ALL SHEETS.

- DEMOLITION**
- ### DEMOLITION NOTES
- ELECTRICAL DEMOLITION WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, REMOVING OR RELocATING LIGHTING FIXTURES, REMOVING RECEPTACLES, WIRE, CONDUIT, ETC. AS REQUIRED FOR THE RENOVATION OF THE EXISTING FACILITY AS INDICATED ON THE DRAWINGS.
  - CONTRACTOR SHALL REMOVE ANY EXPOSED WIRE, CONDUIT, HANGERS, CLAMPS, ETC. WHICH ARE NOT BEING UTILIZED FOR THE NEW INSTALLATION.
  - EXISTING WIRE AND CONDUITS CONCEALED ABOVE CEILING OR IN WALLS AND NOT BEING REUSED, SHALL BE REMOVED. EXISTING CONDUITS, WHERE APPLICABLE, MAY BE REUSED.
  - THE CONTRACTOR SHALL PROVIDE RUBBER MATS AND PLYWOOD COVERS TO ALL OWNER'S EQUIPMENT SUSCEPTIBLE TO DAMAGE DURING CONSTRUCTION. VERIFY SPECIFIC LOCATIONS WITH OWNER'S AUTHORIZED REPRESENTATIVE.
  - ALL WORK SHALL BE PERFORMED DURING TIME PERIODS ACCEPTABLE TO THE OWNER. SCHEDULE ALL WORK WITH THE OWNER'S AUTHORIZED REPRESENTATIVE 48 HOURS BEFORE PROCEEDINGS.
  - CONTRACTOR SHALL VISIT THE JOB SITE AND BE THOROUGHLY AWARE OF EXISTING CONDITIONS UNDER WHICH THE WORK MUST BE PERFORMED.
- ALL LIGHTING FIXTURES AND LAMPS BEING REMOVED SHALL BE TURNED OVER TO THE OWNER.
  - THESE NOTES APPLY TO ALL SHEETS.



FOWLER ASSOCIATES ARCHITECTS, INC.  
 142 CURTIS STREET CLEARWATER, FLORIDA 34625  
 STATE OF FLORIDA ARCHITECTURAL BOARD LICENSE NUMBER 142-000544  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER 142-0001665

DATE	NO.	REVISION	BY

DRAWN BY: C.V.  
DATE: 7 Nov 07

**ELECTRICAL SITE PLAN**  
SCALE: 1" = 20'-0"

- AREA OF WORK, THIS PHASE
- ▨ ALTERNATE #2. (LIGHTING ONLY) REFER TO SHEET LIGHTING PLAN, ON SHEETS E-1,2, FOR FURTHER DETAILS ON THIS AREA.
- AREA WITH NO HATCH DENOTES NO WORK REQUIRED

- ### NOTES
- NEW SERVICE LOCATION. SEE SHEET E-2.1 FOR DETAILS.
  - SECONDARY SERVICE PROPOSED ROUTING. SEE SHEET E-4.1 FOR DETAILS.
  - EXISTING PEDESTAL. FIELD VERIFY EXACT LOCATION.
  - EXISTING SERVICE, INCLUDING DISCONNECT SWITCH, ETC. TO BE REMOVED AFTER NEW SERVICE IS ON-LINE.

### ELECTRICAL SHEET INDEX

E-0.1	ELECTRICAL SITE PLAN AND NOTES
E-1.1	DEMOLITION PLAN AND NOTES
E-1.2	LIGHTING PLAN AND NOTES
E-1.3	POWER PLAN AND NOTES
E-1.4	FIRE ALARM PLAN AND NOTES
E-2.1	FIRE ALARM RISER AND NOTES
E-3.1	ELECTRICAL DETAILS AND FIXTURE SCHEDULE
E-4.1	POWER RISER DIAGRAM AND PANEL SCHEDULE
E-5.1	ELECTRICAL SPECIFICATIONS

### UTILITY CONTACTS

**POWER COMPANY**  
PROGRESS ENERGY OF FLORIDA  
BRIAN HATTON (727) 562-5662

CONTRACTOR SHALL NOTIFY EACH UTILITY COMPANY REPRESENTATIVE LISTED ABOVE OF THE PRE-CONSTRUCTION MEETING SCHEDULE.

**CHEHAYEB & ASSOCIATES, INC.**  
 CONSULTING PROFESSIONAL ENGINEERS  
 3702 AZBELL ST. TAMPA, FL 33609  
 (813) 876-1415 (Fax) 876-0913  
 LIC. #49521 SOUTH FLORIDA CERT. #7340

**ELECTRICAL SITE PLAN AND NOTES**  
 Clearwater Beach Library & Recreation Center Consolidation  
 69 BAY ESPLANADE CLEARWATER, FLORIDA 33767

PROJECT NO: 07-214  
SHEET NO: E-0.1

- ### EXISTING CONDITION NOTES
- GENERAL:**  
THESE DRAWINGS ARE BASED ON EXISTING DOCUMENTS FOR THE SAID BUILDING. INFORMATION PROVIDED TO THE ENGINEER AT TIME OF DESIGN, AND A GENERAL SITE SURVEY. THEREFORE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO, SERVICE LOCATION AND AVAILABLE BRANCH PANELBOARDS, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO BID. FAILURE TO DO SO MAY CONSTITUTE THAT THE CONTRACTOR PROVIDE ANY AND ALL ADDITIONAL EQUIPMENT, LABOR, ETC... TO MEET THE INTENDED DESIGN PARAMETERS.
- SPECIFIC ITEMS TO BE VERIFIED:**
- CONTRACTOR SHALL VERIFY LOCATION AND TYPE OF NEAREST EXISTING SERVICE DISTRIBUTION PANELBOARDS SERVING THE PROJECT AREA.
- CONTRACTOR SHALL VERIFY AND MAINTAIN ALL EXISTING FIRE ALARM DEVICES SERVING THE PROJECT AREA.
- CONTRACTOR SHALL REVISE ALL EXISTING PANEL DIRECTORIES, AS REQUIRED, TO REFLECT ALL REVISIONS. PROVIDE NEW DIRECTORIES FOR PANELS WITH CURRENT DIRECTORIES MISSING.
- USE OF EXISTING TROUSERS OR CONDUITS SHALL BE CONTINGENT ON CONFIRMATION OF MEETING ALL CURRENT CODES.

### LEGEND

MOUNTING HEIGHTS SHOWN ARE MAXIMUM/MINIMUM HANDICAPPED ACCESSIBILITY STANDARDS - THEY SHALL NOT BE ALTERED WITHOUT WRITTEN AUTHORIZATION.

○	FLUORESCENT LIGHT FIXTURE, LETTER INDICATES TYPE	□	MAIN DISTRIBUTION PANEL
○	RECESSED LIGHT FIXTURE, LETTER INDICATES TYPE	○	SPECIAL NOTES, SEE PLANS
○	HALL BRACKET LIGHT FIXTURE, LETTER INDICATES TYPE	—	CONDUIT CONCEALED IN WALL OR ABOVE CEILING WITH CONDUCTORS AS SHOWN ON PANEL SCHEDULE U.O.N.
○	LIGHT FIXTURE UNSWITCHED FOR NIGHT LIGHT (NL)	—	CONDUIT CONCEALED BELOW FLOOR SLAB OR FINISHED GRADE WITH CONDUCTORS AS SHOWN ON PANEL SCHEDULE U.O.N.
○	EXIT LIGHT (ARROW INDICATES DIRECTION)	—	CONDUIT EXPOSED ON WALL OR CEILING WITH CONDUCTORS AS SHOWN ON PANEL SCHEDULE U.O.N.
○	BATTERY POWERED EMERGENCY LIGHT	—	FLEXIBLE CONDUIT NOT TO EXCEED 6 FEET IN LENGTH
S	SINGLE POLE SWITCH	—	WIREMOLD (SIZE AND LENGTH AS NOTED)
S <sup>2</sup>	DOUBLE POLE SWITCH, MOUNT 46" AFF. U.O.N.	TV	TELEVISION OUTLET, PROVIDE SINGLE GANG BOX WITH 3/4" CONDUIT WITH FULL WIRE AND INSULATING BUSHING STUBBED INTO CEILING SPACE. MOUNT BOX 18" AFF. U.O.N.
S <sup>3</sup>	THREE-WAY SWITCH, MOUNT 46" AFF. U.O.N.	DS	DISCONNECT SWITCH
S <sup>4</sup>	DIMMER SWITCH, WATTS AS NOTED, MOUNT 46" AFF. U.O.N.	100A/100	DISCONNECT DESIGNATION (SIZE/POLES/FUSE) "10" INDICATES NON-FUSED, "20" INDICATES DUAL ELEMENT FUSES.
S <sup>5</sup>	MOTOR RATED SWITCH	T	DRY TYPE TRANSFORMER
⊕	DUPLEX RECEPTACLE, MOUNT 18" AFF. U.O.N.	C	CONTRACTOR (AS NOTED)
⊕	DUPLEX RECEPTACLE, MOUNT ABOVE COUNTER HEIGHT U.O.N.	TC	TIME CLOCK
⊕	QUADRUPLX RECEPTACLE, MOUNT 18" AFF. U.O.N.	PT	PHOTOCELL
⊕	SPECIAL RECEPTACLE AS NOTED	◇	MOTOR PERMANENTLY CONNECTED WITH FLEXIBLE CONDUIT
⊕	GROUND FAULT INTERRUPTER RECEPTACLE, LEVITON #6048-1, MOUNT ABOVE COUNTER HEIGHT U.O.N.	□	RUSHBOUT, MOUNT 46" AFF. U.O.N.
⊕	DUPLEX RECEPTACLE, ISOLATED GROUND TYPE, LEVITON #5362-16H, MOUNT AT 18" AFF. U.O.N.	□	JUNCTION BOX (FLUSH MOUNT IN FINISHED AREAS U.O.N.)
■	LIGHTING OR POWER PANELBOARD	□	CCV CAMERA, OWNER PROVIDED CAMERAS AND MONITORS. CONDUIT AND JUNCTION BOXES TO BE PROVIDED BY CONTRACTOR
▽	TELEPHONE OR DATA WALL OUTLET, PROVIDE SINGLE GANG BOX WITH 3/4" CONDUIT WITH FULL WIRE AND INSULATING BUSHING STUBBED INTO CEILING SPACE. MOUNT BOX 18" AFF. U.O.N.		
▽	TELEPHONE WALL OUTLET, PROVIDE SINGLE GANG BOX WITH 3/4" CONDUIT WITH FULL WIRE AND INSULATING BUSHING STUBBED INTO CEILING SPACE. MOUNT BOX 46" AFF. U.O.N. ("N" INDICATES HALL PHONE)		

**ABBREVIATIONS**

E.G.	EQUIPMENT GROUND	ENG	ELECTRIC WATER COOLER	NL	NIGHT LIGHT	U.O.N.	UNLESS OTHERWISE NOTED
I.G.	ISOLATED GROUND	EX-FE	EXHAUST FAN	EX	EXISTING DEVICE	N.T.S.	NOT TO SCALE
HP	HEATHERPROOF	AH-AH	AIR HANDLING UNIT	A.F.F.	ABOVE FINISH FLOOR	N.I.C.	NOT IN CONTRACT
RTU	ROOF TOP UNIT	ACC-CU	CONDENSING UNIT				

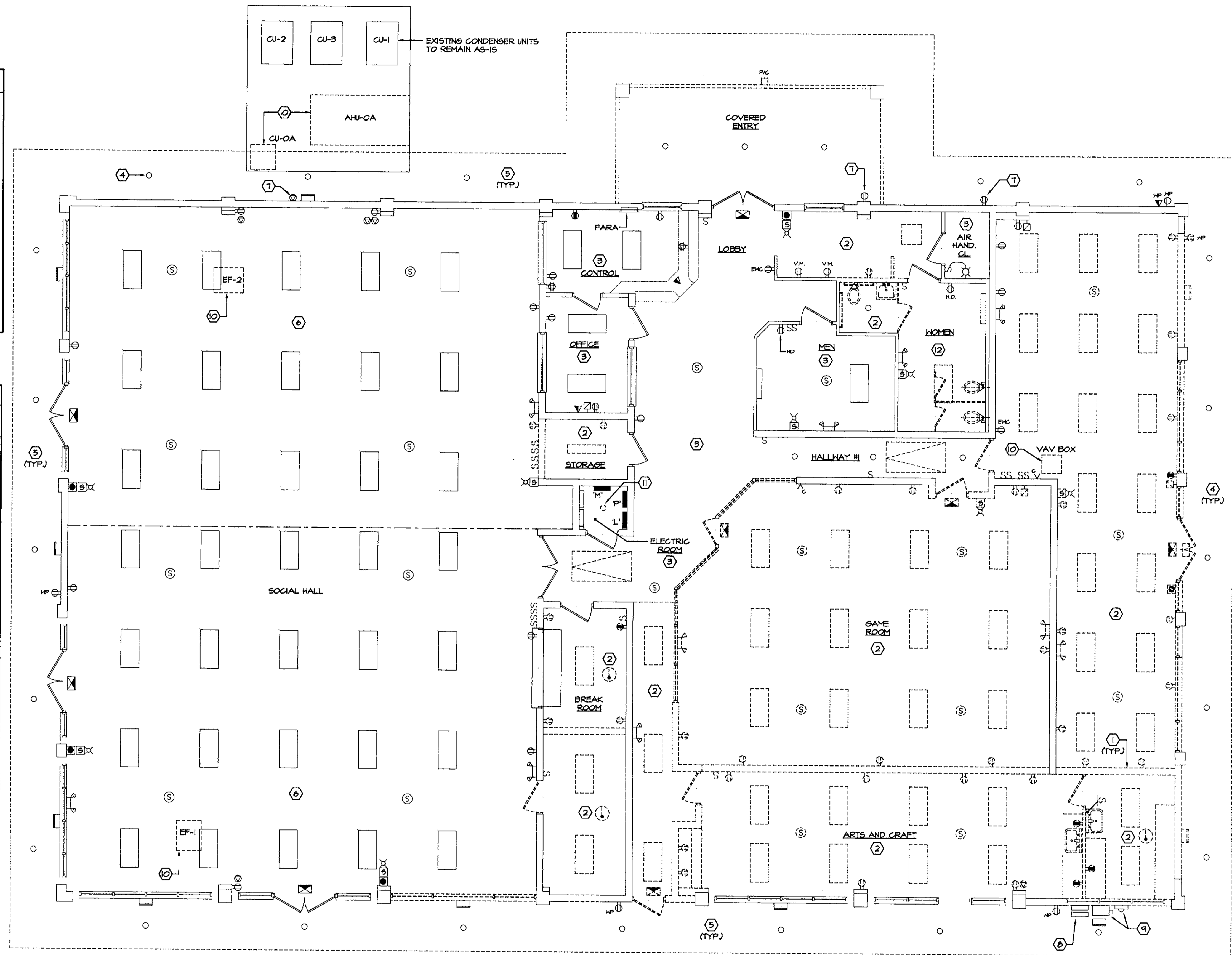
NOTE: MOUNTING HEIGHTS NOTED ARE TO CENTERLINE OF DEVICE SHOWN U.O.N.

### DEMOLITION NOTES

1. THIS DRAWING IS DIAGRAMMATIC AND INTENDED TO SHOW ONLY THE GENERAL SCOPE OF THE WORK TO BE DONE. CONTRACTOR SHALL REMOVE ALL SWITCHES, LIGHT FIXTURES, CONDUIT, WIRE, BOXES, ETC. WHICH ARE MADE UNNECESSARY BECAUSE OF DEMOLITION/NEW CONSTRUCTION. VERIFY LOCATIONS AND QUANTITIES OF ELECTRICAL EQUIPMENT AND WIRING AT THE SITE. CONDUIT TO BE REMOVED OR ABANDONED SHALL BE REMOVED COMPLETELY IF POSSIBLE. WHERE REMOVAL IS NOT POSSIBLE, CONDUIT SHALL BE CUT BELOW THE SURFACE AND CAPPED. ABANDONED CONDUIT SHALL BE TAGGED. ALL MATERIALS REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR.
2. EXISTING CONDUITS, WHERE APPLICABLE, MAY BE REUSED.
3. CONTRACTOR SHALL VISIT THE JOB SITE AND BE THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH THE WORK MUST BE PERFORMED.
4. ALL LIGHTING FIXTURES AND LAMPS BEING REMOVED SHALL BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER. COORDINATE DISPOSITION OF ALL FIXTURES WITH OWNER PRIOR TO REMOVAL.
5. CONTRACTOR SHALL FIELD VERIFY FOR ANY REMAINING ITEMS CURRENTLY REQUIRING ELECTRICAL SERVICE AND MAINTAIN, REPAIR TO PROPER WORKING CONDITION, OR REMOVE, AS DIRECTED BY THE OWNER.
6. CONTRACTOR SHALL CONFIRM THAT ALL LIGHTING FIXTURES DESIGNATED TO BE REUSED, ARE IN AN ACCEPTABLE AND OPERABLE CONDITION.

### KEY NOTES

- 1 DASHED LINE INDICATES EXISTING WALL, OR PORTION OF WALL TO BE REMOVED. FIELD VERIFY AND REMOVE ALL ELECTRICAL DEVICES FROM WALL BEING REMOVED. REMOVE COMPLETELY, ASSOCIATED CONDUIT AND WIRE SYSTEMS BACK TO SOURCE OR LAST REMAINING DEVICE. MAINTAIN CIRCUIT CONTINUITY TO ALL REMAINING DEVICES.
- 2 EXISTING ELECTRICAL DEVICES IN THIS AREA, INCLUDING BUT NOT LIMITED TO RECEPTACLES, SWITCHES, LIGHT FIXTURES, FIRE ALARM, SPEAKERS, SECURITY, ETC.; SHALL BE REMOVED COMPLETELY BACK TO SOURCE.
- 3 EXISTING ELECTRICAL DEVICES IN THIS AREA TO REMAIN, INCLUDING BUT NOT LIMITED TO RECEPTACLES, SWITCHES, LIGHT FIXTURES, FIRE ALARM DEVICES, SECURITY, ETC. MODIFY, EXTEND WIRING AND MAKE ALL REQUIRED ELECTRICAL WORK TO THESE DEVICES IF AFFECTED BY NEW RENOVATION AND/OR EXPANSION.
- 4 EXISTING WALL PACKS ON THIS SIDE OF BUILDING TO BE REMOVED, STORED, REINSTALLED, AND WIRED AS SHOWN ON SHEET E-1.2.
- 5 EXISTING OUTDOOR LIGHTING ON THIS SIDE OF THE BUILDING TO REMAIN.
- 6 EXISTING SOCIAL HALL ROOM LIGHTING TO REMAIN AS-IS UNDER BASE BID. SEE "ADD ALTERNATE" NOTE ON SHEET E-1.2.
- 7 EXISTING OUTLET. PROVIDE A NEW NET WHILE-IN-USE COVER.
- 8 EXISTING TELEPHONE AND CABLE SERVICE TO REMAIN.
- 9 EXISTING SERVICE TO BE REMOVED. SEE SHEETS E-1.3 AND E-4.1 FOR NEW SERVICE REQUIREMENTS.
- 10 MECHANICAL EQUIPMENT TO BE COMPLETELY REMOVED. ALL CONDUIT AND WIRING SYSTEM ASSOCIATED TO THEM SHALL BE REMOVED BACK TO THEIR SOURCE.
- 11 EXISTING FIXTURE TO BE REMOVED. MAINTAIN CONTROLS AND TIE TO NEW FIXTURE SHOWN ON SHEET E-1.2.
- 12 EXISTING LIGHT FIXTURES IN THIS AREA TO BE REMOVED AND REPLACED WITH NEW. SEE SHEET E1.2.



**DEMOLITION FLOOR PLAN**  
SCALE: 3/16" = 1'-0"

NOV 09 2007

**CHEHAYEB & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZERLE ST.  
TAMPA, FL 33608  
LIC. #49521  
SOUTHCAL CHEHAYEB  
07-185  
(813) 878-1410  
(813) 878-0913  
CERT. #7340

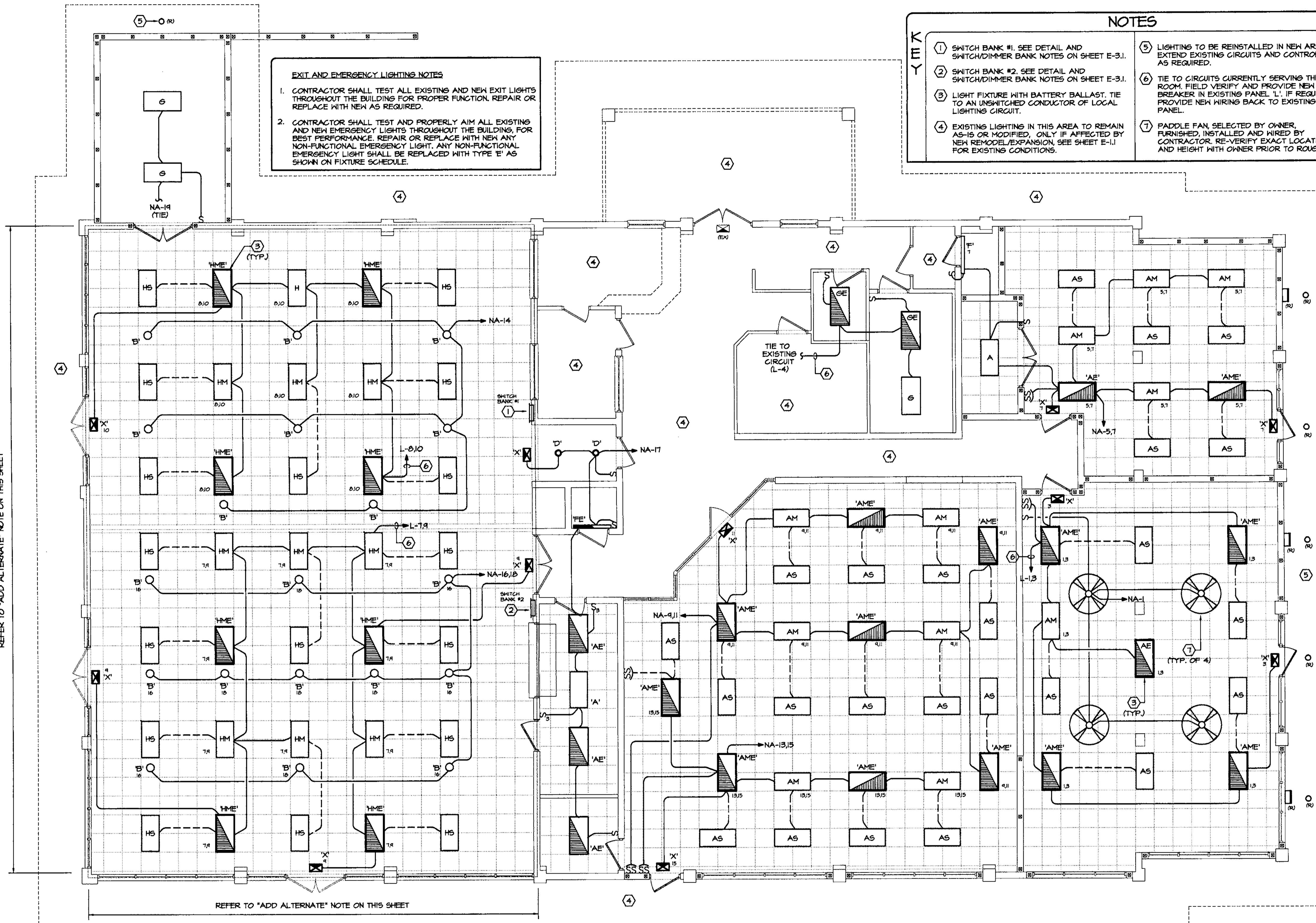
**FOWLER ASSOCIATES ARCHITECTS, INC.**  
142 COURT STREET  
CLEARWATER, FLORIDA 34625  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER: AR-0006441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: AAC000665

BY	
REVISION	
DATE	
NO.	
DRAWN	C.V.
DATE	7 Nov 07

**DEMOLITION PLAN AND NOTES**  
Clearwater Beach Library & Recreation Center Consolidation  
68 BAY ESPLANADE  
CLEARWATER, FLORIDA 33767

PROJECT NO.	07-214
SHEET NO.	E-1.1

REFER TO 'ADD ALTERNATE' NOTE ON THIS SHEET



**EXIT AND EMERGENCY LIGHTING NOTES**

- CONTRACTOR SHALL TEST ALL EXISTING AND NEW EXIT LIGHTS THROUGHOUT THE BUILDING FOR PROPER FUNCTION. REPAIR OR REPLACE WITH NEW AS REQUIRED.
- CONTRACTOR SHALL TEST AND PROPERLY AIM ALL EXISTING AND NEW EMERGENCY LIGHTS THROUGHOUT THE BUILDING, FOR BEST PERFORMANCE. REPAIR OR REPLACE WITH NEW ANY NON-FUNCTIONAL EMERGENCY LIGHT. ANY NON-FUNCTIONAL EMERGENCY LIGHT SHALL BE REPLACED WITH TYPE 'E' AS SHOWN ON FIXTURE SCHEDULE.

**NOTES**

- SWITCH BANK #1. SEE DETAIL AND SWITCH/DIMMER BANK NOTES ON SHEET E-3.1.
- SWITCH BANK #2. SEE DETAIL AND SWITCH/DIMMER BANK NOTES ON SHEET E-3.1.
- LIGHT FIXTURE WITH BATTERY BALLAST. TIE TO AN UNSWITCHED CONDUCTOR OF LOCAL LIGHTING CIRCUIT.
- EXISTING LIGHTING IN THIS AREA TO REMAIN AS-IS OR MODIFIED, ONLY IF AFFECTED BY NEW REMODEL/EXPANSION. SEE SHEET E-1.1 FOR EXISTING CONDITIONS.
- LIGHTING TO BE REINSTALLED IN NEW AREA. EXTEND EXISTING CIRCUITS AND CONTROLS AS REQUIRED.
- TIE TO CIRCUITS CURRENTLY SERVING THIS ROOM. FIELD VERIFY AND PROVIDE NEW BREAKER IN EXISTING PANEL 'L'. IF REQUIRED PROVIDE NEW WIRING BACK TO EXISTING PANEL.
- PADDLE FAN, SELECTED BY OWNER, FURNISHED, INSTALLED AND WIRED BY CONTRACTOR. RE-VERIFY EXACT LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH IN.

**NOTES**

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND INTERIOR ELEVATIONS FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES.
- (EX) DENOTES EXISTING FIXTURE TO REMAIN AS-IS. FIELD VERIFY QUANTITIES AND LOCATIONS.
- (R) DENOTES EXISTING FIXTURE TO BE REUSED. VERIFY ACTUAL QUANTITIES AND PROVIDE NEW FIXTURES ACCORDINGLY. COORDINATE WITH OWNER'S REPRESENTATIVE.
- GROUND CONDUCTOR SHALL BE INSTALLED IN ENTIRE RACEWAY SYSTEM INCLUDING WALL SWITCHES AND FLEXIBLE CONDUIT TO LIGHT FIXTURES.
- LIGHTING SWITCHES SHALL BE GROUPED WITH ONE PLATE AND LOCATED APPROXIMATELY 2 INCHES FROM DOOR FRAME (STRIKE SIDE) UNLESS OTHERWISE NOTED.
- RE-USE EXISTING JUNCTION BOXES, CONDUIT AND WIRING WHERE APPLICABLE. REMOVE AND DISPOSE OF ALL UNUSED CONDUIT AND WIRING BACK TO ITS SOURCE.
- ALL RELOCATED EXISTING LIGHTING FIXTURES SHALL BE CLEANED, RE-LAMPED, AND/OR REPAIRED TO PROPER WORKING CONDITION.
- CONTRACTOR SHALL VERIFY AT THE SITE, EXACT QUANTITIES OF FIXTURES TO BE RELOCATED AND PROVIDE NEW FIXTURES ACCORDINGLY.

**ADD ALTERNATE**

ALL ELECTRICAL LIGHTING RELATED WORK WITHIN THE SOCIAL HALL ROOM SHALL BE PRICED AS AN ADD ALTERNATE TO BASE BID AND SHALL INCLUDE: LIGHTING FIXTURES, CONDUIT, WIRE, CONTROLS, LABOR ETC. AS REQUIRED FOR A COMPLETE SYSTEM INSTALLATION.

HOWEVER, FIRE ALARM, SECURITY DEVICES, RECEPTACLES AND ELECTRICAL WORK RELATED SHALL BE PROVIDED BY CONTRACTOR IN THIS SCOPE AS PART OF BASE BID.

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

**CHEHAYEB & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZERLE ST.  
TAMPA, FL 33609  
LIC. #49521

NOV 09 2007  
DEVELOPMENT SERVICES DEPT.  
CITY OF CLEARWATER

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
1481 COURT STREET, CLEARWATER, FLORIDA 34625  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER: 00065441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: AA000665

DATE	7 Nov 07
DRAWN	C.V.
DATE	
NO.	
REVISION	
BY	

**LIGHTING PLAN AND NOTES**  
Clearwater Beach Library & Recreation Center Consolidation  
60 BAY ESPLANADE  
CLEARWATER, FLORIDA 33767

PROJECT NO: 07-214  
SHEET NO: E-1.2

11-6-07



**NOTES**

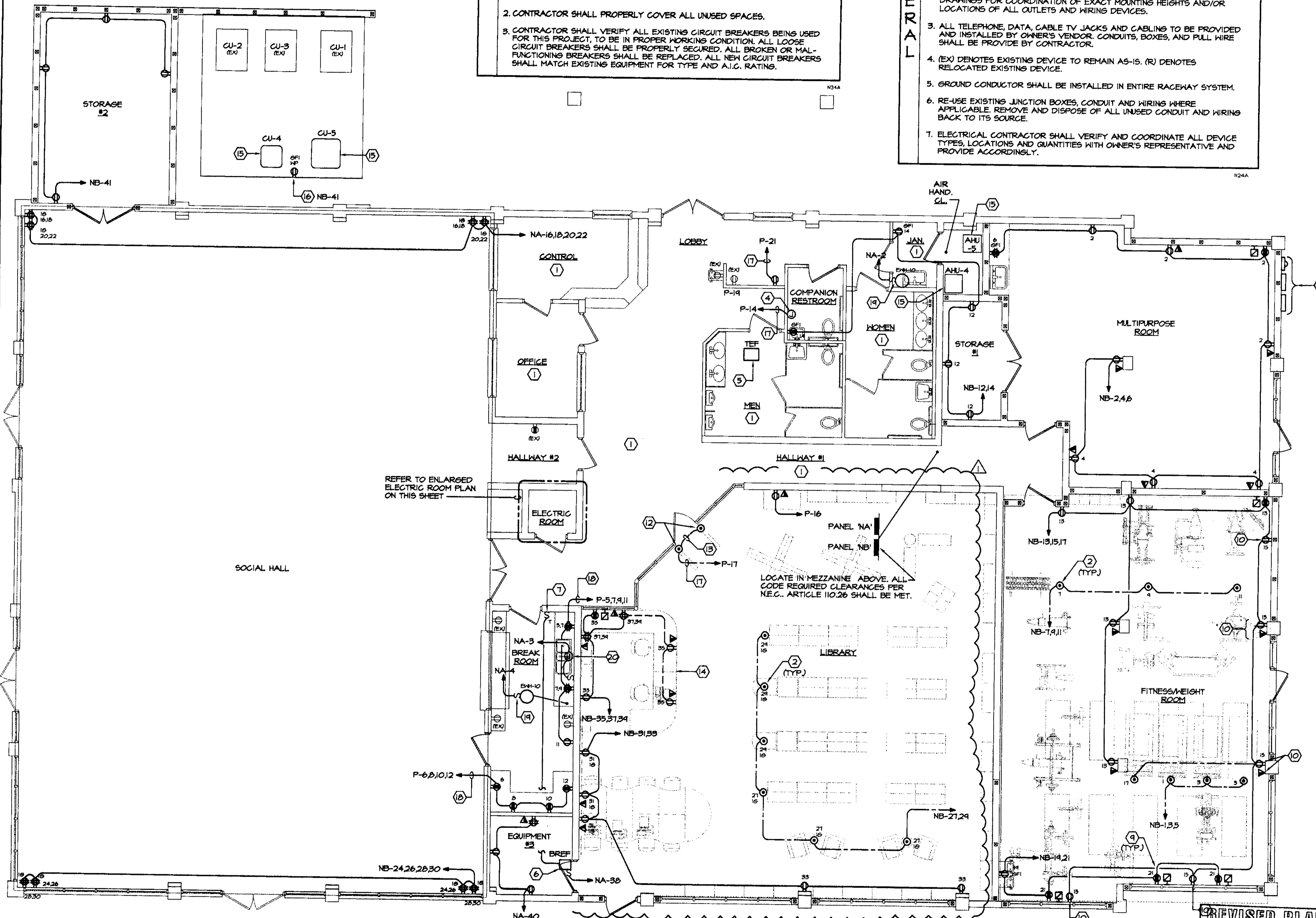
- 1 NO ELECTRICAL WORK IS BEING DONE IN THIS ROOM/AREA UNLESS OTHERWISE NOTED.
- 2 POWER FLOOR BOX EQUAL TO HUBBELL CAT. #FFBI (BOX), #FFBA1A (ADAPTER), AND #SF34253A (COVER). PROVIDE 20A DUPLEX OUTLET.
- 3 NOT USED.
- 4 JUNCTION BOX FOR NEW HAND DRYER. MAKE ALL FINAL TERMINATIONS AS REQUIRED.
- 5 NEW FAN TO REPLACE EXISTING AT THE SAME LOCATION. TIE TO EXISTING CIRCUIT AND CONTROL.
- 6 NEW BREAKROOM EXHAUST FAN. COORDINATE EXACT LOCATION WITH MECHANICAL SUBCONTRACTOR. MAKE FINAL TERMINATIONS ACCORDINGLY.
- 7 ONE-HOUR TIMER WITH OUT HOLD. EQUAL TO INTEMATIC CAT. #FD50MC (COLOR SHALL MATCH EXISTING BUILDING STANDARD DEVICE COLORS).
- 8 NOT USED.
- 9 T.V. CABLE AND POWER BOXES TO BE MOUNTED ABOVE. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
- 10 OUTLET BOXES ALONG THIS WALL SHALL BE MOUNTED 1/4" OUT OF WALL AS REQUESTED BY OWNER. REVERIFY EXACT DISTANCE AND SPACIFIC REQUIREMENTS PRIOR TO ROUGH-IN.
- 11 NOT USED.
- 12 POWER FLOOR BOX EQUAL TO HUBBELL #FFBI SERIES, FOR ARTICLE SURVEILLANCE SECURITY SYSTEM (EAS). COORDINATE WITH SYSTEM VENDOR FOR REQUIRED POWER ACTIVATION PLATES ETC...AND PROVIDE ACCORDINGLY.
- 13 (2) 3/4" CONDUIT WITH PULLWIRE AS REQUIRED BY (EAS) SYSTEM VENDOR.
- 14 COORDINATE DEVICE LOCATION AND CONDUIT ROUTING WITH MILLWOK INSTALLER PRIOR TO ROUGH-IN.
- 15 SEE MECHANICAL WIRING DETAIL ON SHEET E-4.1.
- 16 VERIFY THAT A RECEPTACLE EXISTS AT THE AVG PLATFORM. IF NOT, PROVIDE NEW AND TIE TO INDICATED CIRCUIT.
- 17 REUSE EXISTING CIRCUIT CURRENTLY SERVING THIS AREA. FIELD VERIFY EXISTENCE AND PROVIDE NEW WIRING BACK TO DESIGNATED PANEL.
- 18 REUSE CIRCUITS SHOWN FOR NEW BREAKROOM. FIELD VERIFY AND PROVIDE NEW CIRCUIT BREAKERS IF REQUIRED. PROVIDE 6 #12, 1 #12 E.S. IN 3/4" CONDUIT BACK TO DESIGNATED PANEL.
- 19 ELECTRIC WATER HEATER. VERIFY EXACT LOCATION WITH PLUMBING CONTRACTOR. PROVIDE 1-POLE SWITCH NEXT TO WATER HEATER AND MAKE FINAL TERMINATIONS AS REQUIRED.
- 20 GARBAGE DISPOSAL. PROVIDE A J-BOX BELOW SINK AND A SWITCH ABOVE SINK FOR CONTROL. MAKE FINAL TERMINATION AS REQUIRED.
- 21 NEW SERVICE PROPOSED LOCATION INCLUDING METER, WIREWAY AND ENCLOSED CIRCUIT BREAKERS.

**EXISTING PANELS SPECIAL NOTES**

1. CIRCUITING SHOWN ON THE PLANS IS BASED ON INFORMATION GIVEN TO THE ENGINEER AT TIME OF DESIGN AND A GENERAL FIELD SURVEY. CONTRACTOR SHALL FIELD VERIFY ACTUAL AVAILABLE CIRCUITS, PRIOR TO START OF CONSTRUCTION, AND ADJUST ACCORDINGLY. UPON COMPLETION OF WORK, CORRECT ALL PANELBOARD CIRCUIT DIRECTORY CARDS TO REFLECT AS-BUILT CONDITIONS.
2. CONTRACTOR SHALL PROPERLY COVER ALL UNUSED SPACES.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT BREAKERS BEING USED FOR THIS PROJECT TO BE IN PROPER WORKING CONDITION. ALL LOOSE CIRCUIT BREAKERS SHALL BE PROPERLY SECURED. ALL BROKEN OR MALFUNCTIONING BREAKERS SHALL BE REPLACED. ALL NEW CIRCUIT BREAKERS SHALL MATCH EXISTING EQUIPMENT FOR TYPE AND A.I.C. RATING.

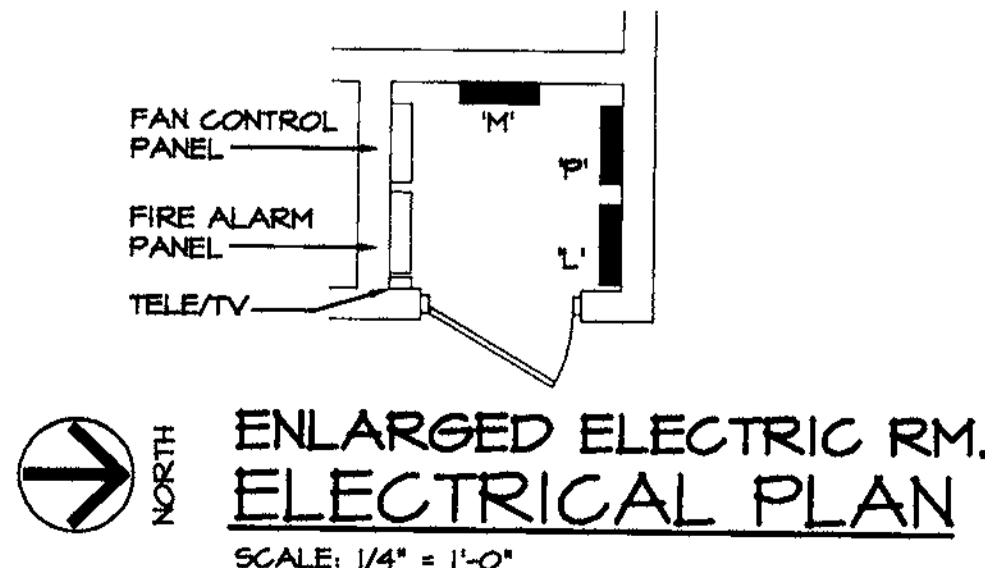
**NOTES**

1. THE CONTRACTOR SHALL REMOVE ALL EXISTING WIRING AND EQUIPMENT MADE UNNECESSARY BY THE RENOVATION. ALL MATERIALS REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR.
2. CONTRACTOR SHALL COORDINATE WITH INTERIOR ARCHITECTURAL ELEVATION DRAWINGS FOR COORDINATION OF EXACT MOUNTING HEIGHTS AND/OR LOCATIONS OF ALL OUTLETS AND WIRING DEVICES.
3. ALL TELEPHONE, DATA, CABLE TV JACKS AND CABLEING TO BE PROVIDED AND INSTALLED BY OWNER'S VENDOR. CONDUITS, BOXES, AND PULL WIRE SHALL BE PROVIDED BY CONTRACTOR.
4. (EX) DENOTES EXISTING DEVICE TO REMAIN AS-IS. (R) DENOTES RELOCATED EXISTING DEVICE.
5. GROUND CONDUCTOR SHALL BE INSTALLED IN ENTIRE RACEWAY SYSTEM.
6. RE-USE EXISTING JUNCTION BOXES, CONDUIT AND WIRING WHERE APPLICABLE. REMOVE AND DISPOSE OF ALL UNUSED CONDUIT AND WIRING BACK TO ITS SOURCE.
7. ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE ALL DEVICE TYPES, LOCATIONS AND QUANTITIES WITH OWNER'S REPRESENTATIVE AND PROVIDE ACCORDINGLY.



REFER TO ENLARGED ELECTRIC ROOM PLAN ON THIS SHEET

LOCATE IN MEZZANINE ABOVE. ALL CODE REQUIRED CLEARANCES PER N.E.C. ARTICLE 110.26 SHALL BE MET.



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

**REVISED PLANS RECEIVED**  
FEB 07 2008  
DEVELOPMENT & NEIGHBORHOOD SERVICES  
CITY OF CLEARWATER

**CHEHAYEB & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZEEL ST. TAMPA, FL 33609  
LIC. #9521  
(813) 876-1415  
(813) 876-0913  
CERT. #7340

DATE	12-26-07
NO.	1
REVISION	OWNER CHANGES
DRAWN BY	C.V.
DATE	7 Nov 07

**POWER PLAN AND NOTES**  
Clearwater Beach Library & Recreation Center Consolidation  
69 BAY ESPERANDE  
CLEARWATER, FLORIDA 33767

PROJECT NO. 07-214  
SHEET NO. E-1.3

**FOWLER ASSOCIATES, INC.**  
ARCHITECTS  
1421 COURT STREET, CLEARWATER, FLORIDA 33765  
STATE OF FLORIDA, ARCHITECTURAL LICENSE NUMBER AR-0005441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AC000565  
© COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007  
STEPHEN R. FOWLER AR0005441

**NOTES**

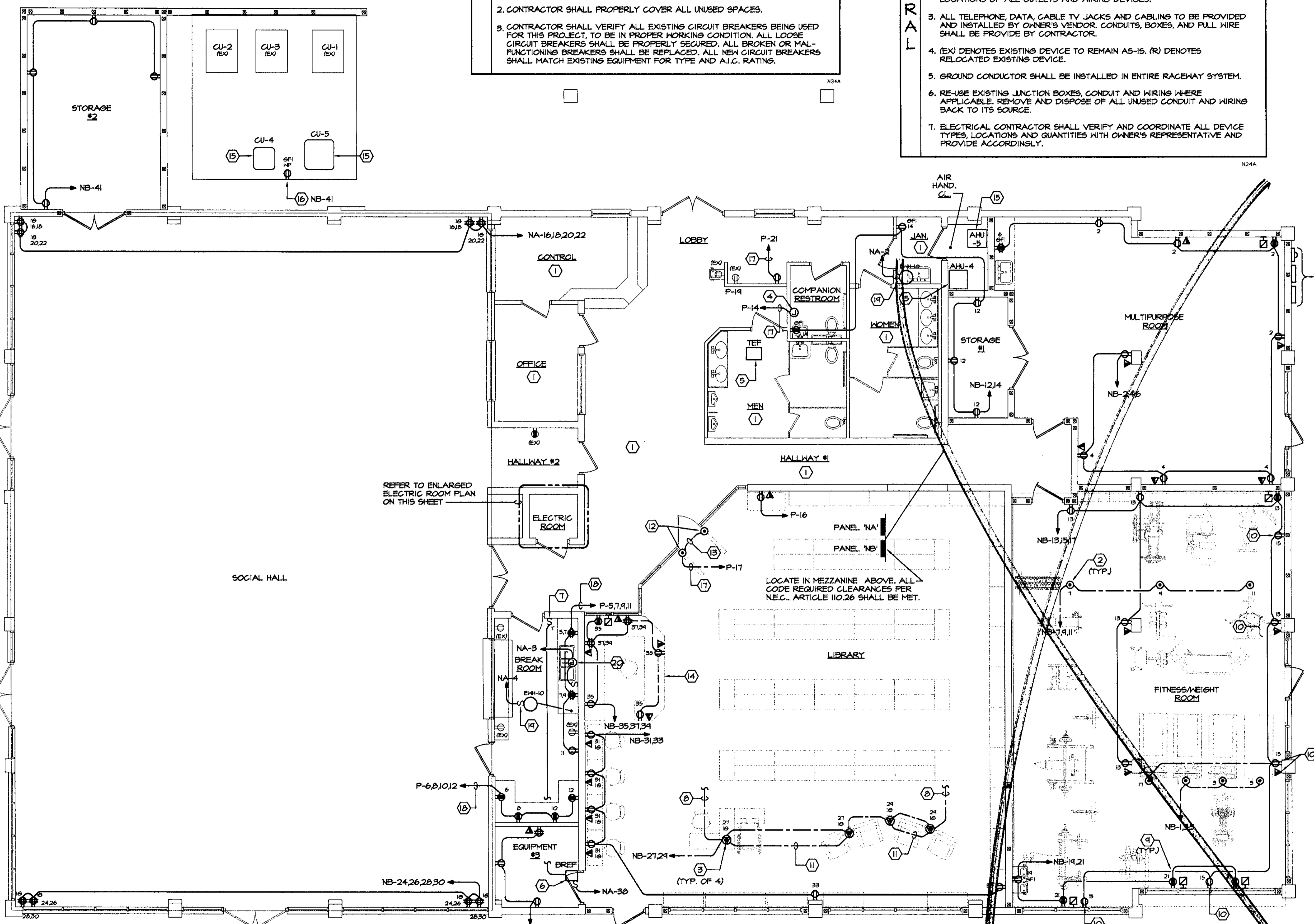
- 1 NO ELECTRICAL WORK IS BEING DONE IN THIS ROOM/AREA UNLESS OTHERWISE NOTED.
- 2 POWER FLOOR BOX EQUAL TO HUBBELL CAT. #FFBI (BOX), #FFBA1A (ADAPTER), AND #SF34253A (COVER). PROVIDE 20A DUPLEX OUTLET.
- 3 POWER/DATA FLOOR BOX EQUAL TO HUBBELL CAT. #SIFB (BOX), #SISP (SUB-PLATE), AND #SICFBR5 (COVERPLATE). PROVIDE (1) 20A DUPLEX OUTLET IN ONE SECTION AND (1) OUTLET FRAME IN THE OTHER. VERIFY OUTLET FRAME REQUIRED WITH OWNER'S VENDOR PRIOR TO ORDERING.
- 4 JUNCTION BOX FOR NEW HAND DRYER. MAKE ALL FINAL TERMINATIONS AS REQUIRED.
- 5 NEW FAN TO REPLACE EXISTING AT THE SAME LOCATION. TIE TO EXISTING CIRCUIT AND CONTROL.
- 6 NEW BREAKROOM EXHAUST FAN. COORDINATE EXACT LOCATION WITH MECHANICAL SUBCONTRACTOR. MAKE FINAL TERMINATIONS ACCORDINGLY.
- 7 ONE-HOUR TIMER WITH OUT HOLD. EQUAL TO INEMATIC CAT. #FD60MC (COLOR SHALL MATCH EXISTING BUILDING STANDARD DEVICE COLORS).
- 8 1" CONDUIT WITH FULLWIRE TO AN ACCESSIBLE LOCATION ABOVE CEILING.
- 9 T.V. CABLE AND POWER BOXES TO BE MOUNTED ABOVE. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
- 10 OUTLET BOXES ALONG THIS HALL SHALL BE MOUNTED 1/4" OUT OF HALL AS REQUESTED BY OWNER. REVERIFY EXACT DISTANCE AND SPACIFIC REQUIREMENTS PRIOR TO ROUGH-IN.
- 11 1" CONDUIT WITH FULLWIRE.
- 12 POWER FLOOR BOX EQUAL TO HUBBELL #FFBI SERIES, FOR ARTICLE SURVEILLANCE SECURITY SYSTEM (EAS). COORDINATE WITH SYSTEM VENDOR FOR REQUIRED POWER ACTIVATION PLATES ETC. AND PROVIDE ACCORDINGLY.
- 13 (2) 3/4" CONDUIT WITH FULLWIRE AS REQUIRED BY (EAS) SYSTEM VENDOR.
- 14 COORDINATE DEVICE LOCATION AND CONDUIT ROUTING WITH MILLWOK INSTALLER PRIOR TO ROUGH-IN.
- 15 SEE MECHANICAL WIRING DETAIL ON SHEET E-4.1.
- 16 VERIFY THAT A RECEPTACLE EXISTS AT THE A/C PLATFORM. IF NOT, PROVIDE NEW AND TIE TO INDICATED CIRCUIT.
- 17 REUSE EXISTING CIRCUIT CURRENTLY SERVING THIS AREA. FIELD VERIFY EXISTENCE AND PROVIDE NEW WIRING BACK TO DESIGNATED PANEL.
- 18 REUSE CIRCUITS SHOWN FOR NEW BREAKROOM. FIELD VERIFY AND PROVIDE NEW CIRCUIT BREAKERS IF REQUIRED. PROVIDE 6 #12, 1 #12 E.G. IN 3/4" CONDUIT BACK TO DESIGNATED PANEL.
- 19 ELECTRIC WATER HEATER. VERIFY EXACT LOCATION WITH PLUMBING CONTRACTOR. PROVIDE 1-POLE SWITCH NEXT TO WATER HEATER AND MAKE FINAL TERMINATIONS AS REQUIRED.
- 20 GARBAGE DISPOSAL. PROVIDE A J-BOX BELOW SINK AND A SWITCH ABOVE SINK FOR CONTROL. MAKE FINAL TERMINATION AS REQUIRED.
- 21 NEW SERVICE PROPOSED LOCATION INCLUDING METER, WIREWAY AND ENCLOSED CIRCUIT BREAKERS.

**EXISTING PANELS SPECIAL NOTES**

1. CIRCUITING SHOWN ON THE PLANS IS BASED ON INFORMATION GIVEN TO THE ENGINEER AT TIME OF DESIGN AND A GENERAL FIELD SURVEY. CONTRACTOR SHALL FIELD VERIFY ACTUAL AVAILABLE CIRCUITS PRIOR TO START OF CONSTRUCTION, AND ADJUST ACCORDINGLY. UPON COMPLETION OF WORK, CORRECT ALL PANELBOARD CIRCUIT DIRECTORY CARDS TO REFLECT AS-BUILT CONDITIONS.
2. CONTRACTOR SHALL PROPERLY COVER ALL UNUSED SPACES.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT BREAKERS BEING USED FOR THIS PROJECT, TO BE IN PROPER WORKING CONDITION. ALL LOOSE CIRCUIT BREAKERS SHALL BE PROPERLY SECURED. ALL BROKEN OR MAL-FUNCTIONING BREAKERS SHALL BE REPLACED. ALL NEW CIRCUIT BREAKERS SHALL MATCH EXISTING EQUIPMENT FOR TYPE AND A.I.C. RATINGS.

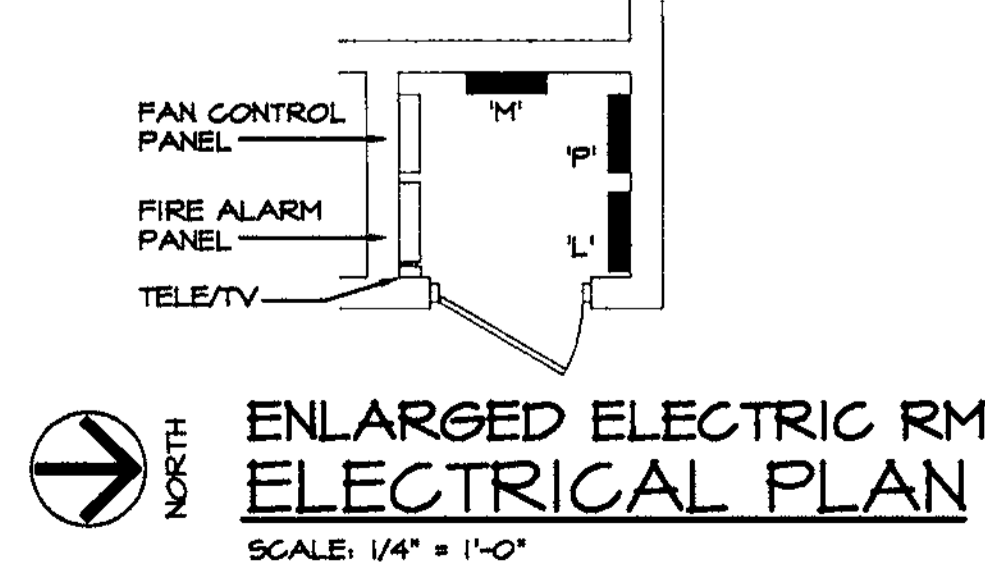
**NOTES**

1. THE CONTRACTOR SHALL REMOVE ALL EXISTING WIRING AND EQUIPMENT MADE UNNECESSARY BY THE RENOVATION. ALL MATERIALS REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR.
2. CONTRACTOR SHALL COORDINATE WITH INTERIOR ARCHITECTURAL ELEVATION DRAWINGS FOR COORDINATION OF EXACT MOUNTING HEIGHTS AND/OR LOCATIONS OF ALL OUTLETS AND WIRING DEVICES.
3. ALL TELEPHONE, DATA, CABLE TV JACKS AND CABLEING TO BE PROVIDED AND INSTALLED BY OWNER'S VENDOR. CONDUITS, BOXES, AND PULL WIRE SHALL BE PROVIDED BY CONTRACTOR.
4. (EX) DENOTES EXISTING DEVICE TO REMAIN AS-IS. (R) DENOTES RELOCATED EXISTING DEVICE.
5. GROUND CONDUCTOR SHALL BE INSTALLED IN ENTIRE RACEWAY SYSTEM.
6. RE-USE EXISTING JUNCTION BOXES, CONDUIT AND WIRING WHERE APPLICABLE. REMOVE AND DISPOSE OF ALL UNUSED CONDUIT AND WIRING BACK TO ITS SOURCE.
7. ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE ALL DEVICE TYPES, LOCATIONS AND QUANTITIES WITH OWNER'S REPRESENTATIVE AND PROVIDE ACCORDINGLY.



REFER TO ENLARGED ELECTRICAL ROOM PLAN ON THIS SHEET

LOCATE IN MEZZANINE ABOVE. ALL CODE REQUIRED CLEARANCES PER N.E.C. ARTICLE 110.26 SHALL BE MET.



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

**ENLARGED ELECTRIC RM. ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

**CHEHAYEB & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZEELE ST.  
TAMPA, FL 33609  
LIC. #49521 SOUTH-CHEHAYEB 07-183  
(813) 876-1415 (FL) 878-0913  
CERT. #7340

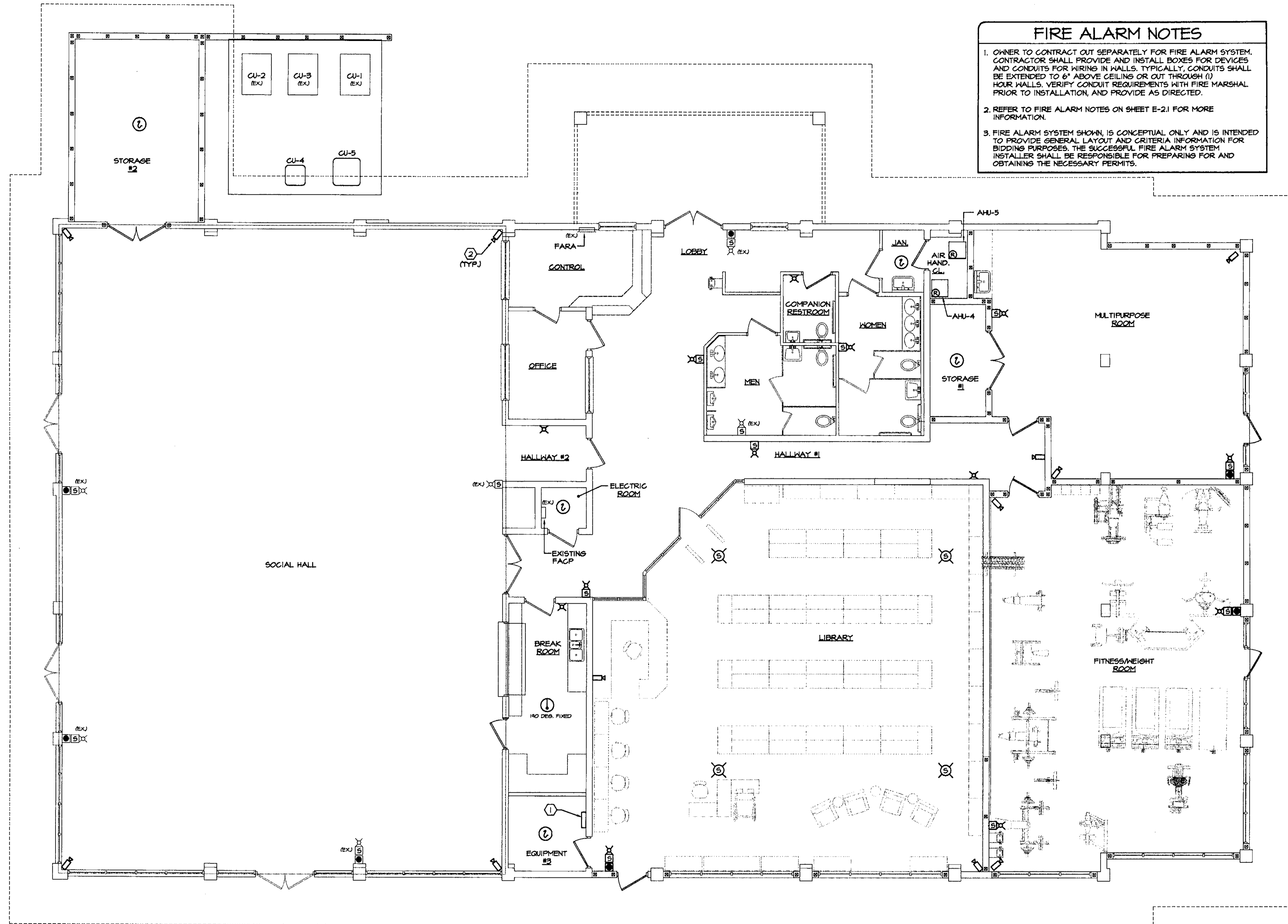
**FOWLER ASSOCIATES ARCHITECTS, INC.**  
1421 COURT STREET CLEARWATER, FLORIDA 33764 (727) 449-2022 FAX (727) 447-5339  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AS-0005441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC001666

POWER PLAN AND NOTES  
Clearwater Beach Library & Recreation Center Consolidation  
69 BAY ESPERANDE CLEARWATER, FLORIDA 33767

DATE	7 Nov 07
DRAWN	C.V.
DATE	
NO.	
REVISION	
BY	

PROJECT NO. 07-214  
SHEET NO. E-1.3

REVISION: NOV 2007  
DEVELOPMENT: SOUTH-CHEHAYEB  
ONLY OF CLEAR



**ALARM SYSTEM NOTES**

- VERIFY EXISTING SYSTEM FOR SIGNAL CIRCUITS, BATTERIES, AMPLIFIER CAPACITY, EXPANSION LIMITS, ETC. AND NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY REQUIRED MODIFICATIONS TO THE FIRE ALARM PANEL SERVING THIS PROJECT.
- THE EXISTING FIRE ALARM SYSTEM SHALL BE TESTED AND RE-CERTIFIED AFTER THE NEW WORK IS COMPLETED.
- COORDINATE WITH THE LOCAL FIRE MARSHAL'S OFFICE FOR ALL DEVICE LOCATIONS AND PROVIDE ANY ADDITIONAL DEVICES REQUIRED.
- PROVIDE SHUT-DOWN RELAYS AND CONNECTION TO FIRE ALARM SYSTEM FOR ALL NEW HVAC UNITS. VERIFY AND COORDINATE WITH MECHANICAL CONTRACTOR FOR QUANTITY AND LOCATIONS.

**GENERAL NOTES (TYPICAL OF ALL SYSTEMS SHOWN)**

- CONTRACTOR SHALL PROVIDE THE FOLLOWING INCLUDING BUT NOT LIMITED TO CONDUITS, BOXES, EQUIPMENT, WIRE, ETC. AS REQUIRED BY THE PARTICULAR SYSTEM SUPPLIER, FOR A COMPLETE AND OPERATIONAL SYSTEM.
- ALL SURGE PROTECTORS SHALL BE UL LISTED FOR APPLICATION AND RECOMMENDED BY SYSTEM MANUFACTURER AND RATED FOR HIGH EXPOSURE ENVIRONMENT.
- SYSTEM SUPPLIER SHALL ALLOW A MINIMUM OF (2) 4 HOUR TRAINING SESSIONS ON EACH SYSTEM TO FACILITY STAFF, AND PROVIDE A ONE PAGE OPERATIONAL INSTRUCTION FOR EACH SYSTEM. ALSO EACH SESSION SHALL BE VIDEO TAPED AND TWO COPIES GIVEN TO OWNER FOR FUTURE REFERENCE.
- MINIMUM CONDUIT SIZE FOR FIRE ALARM AND SECURITY SYSTEMS IS 3/4".

**NOTES**

- NEW POWER SUPPLY AND DISTRIBUTED VOICE AS REQUIRED.
- SECURITY CAMERA LOCATION TO BE PROVIDED BY OWNER. CONTRACTOR SHALL COORDINATE WITH OWNER'S VENDOR AND PROVIDE REQUIRED CONDUITS, BOXES AND PULLWIRE ACCORDINGLY.

**LOW VOLTAGE WIRING**  
WHERE LOW VOLTAGE WIRING IS PERMITTED BY THESE DRAWINGS AND APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION TO BE FREE-WIRED, THESE WIRES SHALL BE PLENUM RATED, AND UL LISTED FOR THE APPLICATION.

**FIRE ALARM PLAN**  
SCALE: 3/16" = 1'-0"

NOV 09 2007  
DEVELOPMENT SERVICES  
CITY OF CLEARWATER

**CHEHAYEB & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZZULE ST.  
TAMPA, FL 33609  
(813) 878-1415  
(813) 878-0913  
LIC. #49521 SOUHEL CHEHAYEB CERT. #7340

**FIRE ALARM PLAN AND NOTES**  
Clearwater Beach Library & Recreation Center Consolidation  
69 BAY ESPLANADE  
CLEARWATER, FLORIDA 33767

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
1421 COURT STREET CLEARWATER, FLORIDA 33766 FAX (727) 447-5838  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-0005441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER ACC001665

DATE: 7 Nov 07  
DRAWN: C.V.  
REVISION: [ ]  
DATE: [ ]  
NO. [ ]  
BY: [ ]

PROJECT NO: 07-214  
SHEET NO: E-1.4

**FIRE ALARM SYSTEM NOTES:**

- FIRE ALARM SYSTEM SHALL BE INSTALLED BY LICENSED FIRE ALARM CONTRACTOR IN STRICT ACCORDANCE WITH NFPA-72 AS A MINIMUM.
- ANY DRAWINGS RESUBMITTED SHALL CLEARLY INDICATE REVISIONS BY CLOUDING AND DATING THE CHANGED AREA.
- AT THE TIME OF THE SYSTEM ACCEPTANCE TEST, THE FIRE ALARM CONTRACTOR'S TECH SHALL BE PREPARED TO CONDUCT THE TEST WITH A SOUND PRESSURE METER TO ENSURE PROPER SOUND PRESSURE LEVELS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH THE FOLLOWING INFORMATION AS A MINIMUM:
  - PROVIDE SEQUENCE OF OPERATION (A WRITTEN DESCRIPTION OR MATRIX CHART) TO DEFINE THE EVENTS THAT OCCUR WHEN VARIOUS INITIATING DEVICES ARE ACTIVATED.
  - DUCT MOUNTED SMOKE DETECTORS, WHERE APPLICABLE, SHALL UPON SENSING SMOKE SHUT DOWN THE ENTIRE HVAC EQUIPMENT VIA RELAYS SHOWN.
  - PROVIDE FIRE ALARM RISER SIMILAR TO THE ONE SHOWN ON THE CONSTRUCTION DOCUMENT.
  - ALL SUBMITTALS SHALL INDICATE COMPLIANCE WITH:
    - FLORIDA FIRE PREVENTION CODE 2004 EDITION,
    - NFPA - 72 2003 EDITION,
    - NFPA - 13 (1999 EDITION),
    - NFPA - 101 2003 EDITION,
    - NFPA - 70 (NATIONAL ELECTRIC CODE) 2002 EDITION,
    - ADA - AMERICANS WITH DISABILITIES ACT,
    - ALL STATE AND LOCAL CODES AND ORDINANCES.
  - SUBMITTED DRAWINGS SHALL IDENTIFY CANDELA ON STROBE LIGHTS ON THE DRAWINGS.
  - SHOW ALARM CONNECTION TO THE SPRINKLER SYSTEM DEVICES.
  - PROVIDE SIGNED AND DATED CONTRACT FOR TEST AND INSPECTION IN ACCORDANCE WITH NFPA STANDARDS ALONG WITH THE RECORD OF COMPLETION AS PER NFPA 72 1-6.2.1 AT TIME OF SYSTEM ACCEPTANCE.
  - PROVIDE DETAILS ON THE DRAWINGS SHOWING THE WIRING TYPE BASED ON NFPA 70 ARTICLE 760 AND CUT SHEET OF THE WIRING PROPOSED.
  - SHOW LOCATION OF ALL POWER EXPANDER PANELS AND SHOW SMOKE DETECTOR ABOVE EACH PANEL.
  - PROVIDE A CUT SHEET OF ALL LOW VOLTAGE SURGE SUPPRESSION PROPOSED FOR WIRING SHOWN.
  - PROVIDE BATTERY CALCULATION SUPPORTING COMPLIANCE WITH MINIMUM CODE OR AS REQUIRED BY THESE DOCUMENTS, WHICHEVER IS MORE STRINGENT.
  - PROVIDE VOLTAGE DROP CALCULATION FOR THE PROPOSED WIRE SIZING, TYPE AND ROUTING.
  - PROVIDE RECORD DRAWINGS SHOWING ACTUAL CONDUIT AND WIRING INSTALLATION AND ANY DEVIATION FROM THE PROPOSED ONE.
  - SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER WITH AN ACTIVE FLORIDA LICENSE.

**FIRE ALARM NOTES**

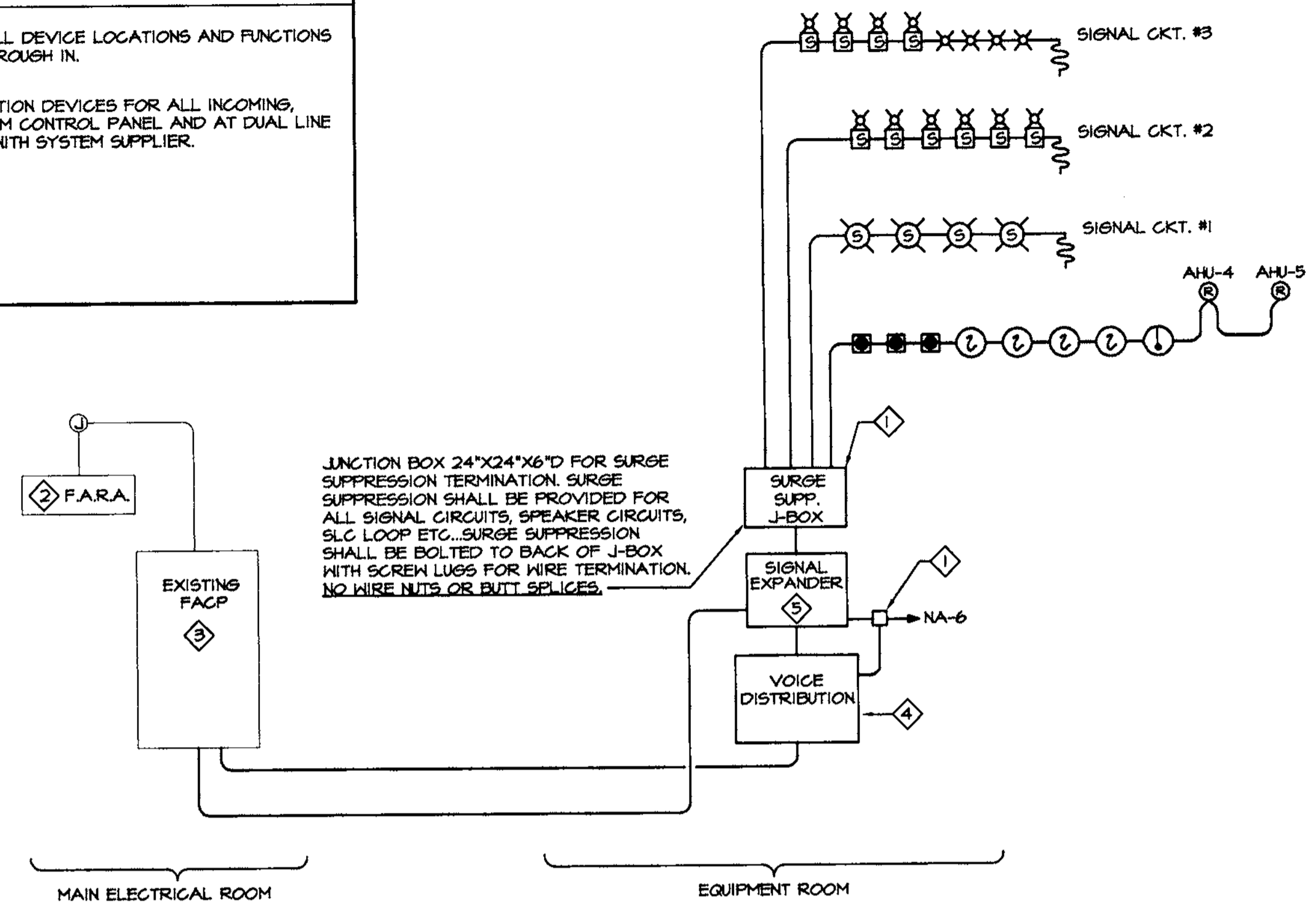
- OWNER TO CONTRACT OUT SEPARATELY FOR FIRE ALARM SYSTEM. CONTRACTOR SHALL PROVIDE AND INSTALL BOXES FOR DEVICES AND CONDUITS FOR WIRING IN WALLS. TYPICALLY, CONDUITS SHALL BE EXTENDED TO 6" ABOVE CEILING OR OUT THROUGH (1) HOUR WALLS. VERIFY CONDUIT REQUIREMENTS WITH FIRE MARSHAL PRIOR TO INSTALLATION, AND PROVIDE AS DIRECTED.
- REFER TO FIRE ALARM NOTES ON SHEET E-2.1 FOR MORE INFORMATION.
- FIRE ALARM SYSTEM SHOWN, IS CONCEPTUAL ONLY AND IS INTENDED TO PROVIDE GENERAL LAYOUT AND CRITERIA INFORMATION FOR BIDDING PURPOSES. THE SUCCESSFUL FIRE ALARM SYSTEM INSTALLER SHALL BE RESPONSIBLE FOR PREPARING FOR AND OBTAINING THE NECESSARY PERMITS.

**FIRE ALARM NOTES**

- SEE SPECIFICATIONS FOR EQUIPMENT SPECIFICATION AND SYSTEM FUNCTIONS.
- SEE DRAWINGS FOR DEVICE QUANTITY.
- PROVIDE SURGE SUPPRESSION ON ALL SIGNAL AND/OR DATA CIRCUITS.
- PROVIDE 120V SURGE SUPPRESSION, TYPE AS RECOMMENDED BY SYSTEM MANUFACTURER.
- PROVIDE LOW VOLTAGE SURGE SUPPRESSION, TYPE AS RECOMMENDED BY SYSTEM MANUFACTURER.
- PROVIDE (2) SPARE SIGNAL CIRCUITS MINIMUM. PROVIDE REQUIRED BATTERY CAPACITY.
- CONTRACTOR SHALL VERIFY ALL DEVICE LOCATIONS AND FUNCTIONS WITH FIRE MARSHAL PRIOR TO ROUGH IN.
- PROVIDE EDGO SURGE PROTECTION DEVICES FOR ALL INCOMING, OUTGOING LINES, AT FIRE ALARM CONTROL PANEL AND AT DUAL LINE DIGITAL DIALER COORDINATE WITH SYSTEM SUPPLIER.

**SYSTEM REQUIREMENTS**

- THE FIRE ALARM SYSTEM MAIN PANEL IS EXISTING.
- VERIFY LOCATION OF ALL DEVICES AND EQUIPMENT WITH FIRE MARSHAL'S OFFICE AND OWNER'S PROJECT REPRESENTATIVE PRIOR TO ROUGH-IN.
- TROUBLE AND ALARM INITIATIONS TO TRANSMIT SEPARATE AND DISTINCT SIGNALS TO MONITORING STATION.
- INCOMING 'FIRE' ALARM INITIATIONS SHALL OVERRIDE 'TROUBLE' INITIATIONS.
- SEPARATE 'TROUBLE' AND 'ALARM' SIGNALS SHALL BE ANNUNCIATED AT CONTROL PANEL AND ANNUNCIATOR PANEL.
- SUBMIT SHOP DRAWINGS TO FIRE MARSHAL AND ENGINEER FOR APPROVAL PRIOR TO ROUGH-IN.
- ANNUNCIATOR PANEL SHALL DUPLICATE REPORTING OF FIRE ALARM CONTROL PANEL. ANNUNCIATOR SHALL INCLUDE SILENCE AND RESET KEY SWITCHES.
- COORDINATE WITH SYSTEM VENDOR FOR ADDITIONAL REQUIREMENTS AND PROVIDE ALL LINE VOLTAGE NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
- WHERE APPLICABLE, INSTALLATION OF DUCT SMOKE DETECTORS SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION BOXES, CONDUITS WITH PULL WIRES AS REQUIRED BY OWNER'S SYSTEM VENDOR.
- WHERE APPLICABLE, SIGNAL FROM ANY DUCT MOUNTED SMOKE DETECTOR SHALL SHUTDOWN ALL HVAC UNITS.
- FIRE ALARM SUBCONTRACTOR SHALL PROVIDE ALL CABLING, PER SYSTEM MANUFACTURER'S SPECIFICATIONS FOR CONTROL OPTIONS AS OUTLINED IN ELECTRICAL SPECIFICATIONS.
- ALL CABLING SHALL BE RUN IN CONDUIT SYSTEM THROUGHOUT, EXCEPT WHERE SPECIFICALLY NOTED ON DRAWINGS AND APPROVED BY FIRE MARSHAL AND OWNER FOR USE OF FREE CABLE. IF PERMISSION IS GRANTED IN WRITING, THEN SEE NOTES NO. 20, AND NO. 21 BELOW.
- PROVIDE SEPARATE I/O CONTROL CIRCUITS FOR HVAC SHUT-DOWN. FIRE ALARM SYSTEM SHALL HAVE TEST OVERRIDE CAPABILITIES FOR THESE CIRCUITS.
- RELAYS FOR SECURITY DOOR LOCKS (IF APPLICABLE) SHALL BE CONFIGURED SO THAT LOCKS WILL DE-ENERGIZE UPON ACTIVATION OF THE FIRE ALARM SYSTEM OR UPON LOSS OF NORMAL UTILITY POWER.
- SYSTEM ALARM INDICATION SHALL COMPLY WITH TEMPORAL CODE REQUIREMENTS.
- BATTERY CALCULATION SHALL BE BASED ON 24 HOURS OF STANDBY PLUS FIFTEEN (15) MINUTES OF ALARM AT THE END OF THE PERIOD.
- PROVIDE SYNC MODULES FOR ALL STROBES CIRCUITS.
- STROBE INTENSITIES SHALL BE AS FOLLOWS:
  - CEILING MOUNTED STROBES AND HORNSTROBES SHALL BE WHITE IN COLOR, EQUAL TO SYSTEM SENSOR, 75 CANDELA (cd) MINIMUM, AND SHALL CONFORM TO THE REQUIREMENTS OF 1999 NFPA 72.6-4.1.
  - HALL MOUNTED STROBES IN ROOMS 10'x10' OR SMALLER SHALL BE 30cd MINIMUM (i.e. PRIVATE TOILET ROOMS).
  - HALL MOUNTED STROBES AND HORNSTROBES SHALL BE 15/75cd OR 75cd AND HIGHER AND SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF 2003 NFPA 72.
- ALL CABLING NOT RUN IN CONDUIT SHALL BE FIRE RATED, PLENUM CABLE AND MUST BE APPROVED BY THE FIRE MARSHAL PRIOR TO PURCHASING CABLE. SEE NOTE NO. 15 ABOVE.
- ALL ROUTINGS OF CABLING SHALL BE NEAT AND TIE-WRAPPED. CONTRACTOR SHALL PROVIDE "J" HOOKS FOR CABLING ROUTED ABOVE SUSPENDED CEILINGS. ALL CABLES SHALL BE TRAINED AND ROUTED PARALLEL TO BUILDING LINES. ALL TIES AND SUPPORTS SHALL BE SUITABLE FOR USE IN HVAC PLENUMS. SEE NOTE NO. 13 ABOVE.



**FIRE ALARM SYSTEM RISER DIAGRAM**

NO SCALE

**FIRE ALARM SYSTEM KEY NOTES:**

- ◇ PROVIDE EDGO SURGE PROTECTION DEVICES AT ALL INCOMING AND OUTGOING LINES. COORDINATE WITH SYSTEM SUPPLIER.
- ◇ EXISTING FIRE ALARM REMOTE ANNUNCIATOR PANEL.
- ◇ EXISTING FIRE ALARM CONTROL PANEL.
- ◇ VOICE EVAC. DISTRIBUTED VOICE PANEL AS REQUIRED.
- ◇ SIGNAL EXPANDER. PROVIDE ADDITIONAL SIGNAL EXPANDERS AS REQUIRED.

**NOTES:**

- SPEAKER CIRCUIT SHALL ORIGINATE AT VOICE EVAC.
- STROBE LIGHT CIRCUITS SHALL ORIGINATE AT THE SIGNAL EXPANDER.

**NOTE:**

THE FIRE ALARM DESIGN SHOWN IS CONSIDERED PRELIMINARY AND IS INTENDED TO PROVIDE GENERAL LAYOUT AND CRITERIA INFORMATION FOR BIDDING PURPOSES ONLY. THE SUCCESSFUL FIRE ALARM SYSTEM INSTALLER SHALL BE RESPONSIBLE FOR PREPARING FOR AND OBTAINING THE NECESSARY PERMIT, AND FOR PROVIDING DEVICES SUITABLE FOR THE LOCATION AT WHICH THEY ARE INSTALLED.

**LEGEND**

<b>F.A.C.P.</b>	FIRE ALARM CONTROL PANEL		TAMPER SWITCH PROVIDED AND INSTALLED BY OTHERS (VERIFY QUANTITY).
<b>F.A.R.A.</b>	FIRE ALARM REMOTE ANNUNCIATOR		FLOW SWITCH PROVIDED AND INSTALLED BY OTHERS (VERIFY QUANTITY).
	SMOKE DETECTOR	EG	EQUIPMENT GROUND
	HEAT DETECTOR RATE OF RISE & FIXED 135, U.O.N.	AFF	ABOVE FINISHED FLOOR
	FIRE ALARM HORN AS SHOWN ON PLANS (ADA) MTD. AT 80" A.F.F.	WP	WEATHERPROOF
	MANUAL FIRE ALARM PULL STATION (48" A.F.F. U.O.N.)	RTU	ROOF TOP UNIT
	FIRE ALARM SPEAKER/STROBE (ADA) MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING TO BOTTOM OF TRIM PLATE, WHICHEVER IS LOWER.	AHU	AIR HANDLING UNIT
	FIRE ALARM STROBE (ADA) MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING TO BOTTOM OF TRIM PLATE, WHICHEVER IS LOWER.	U.O.N.	UNLESS OTHERWISE NOTED
	REMOTE INDICATOR/TEST SWITCH (MTD. AT 80" A.F.F. & MARK UNIT SERVED)		END OF LINE RESISTOR
	COMBINATION FIRE ALARM SPEAKER/STROBE - CEILING MOUNTED, ADA LISTED AND APPROVED		RELAY
			DUCT DETECTOR
			(S) DENOTES SUPPLY DUCT
			(R) DENOTES RETURN DUCT

NOT ALL DEVICES SHOWN IN LEGEND MAY BE REQUIRED FOR THIS PROJECT. REVIEW FIRE ALARM PLANS AND DETAILS FOR ITEMS WHICH APPLY.

**NOTES**

- UNLESS OTHERWISE NOTED ON FLOOR PLANS, OR UNLESS LOCATED ABOVE HARD CEILINGS, ALL EMPTY CONDUITS FOR ALARM SYSTEM SHALL TERMINATE ABOVE ACCESSIBLE CEILINGS AND SHALL, SEE "CONDUITS FOR LOW VOLTAGE SYSTEMS NOTES" THIS SHEET.
- TERMINATE AT AN ACCESSIBLE LOCATION.
  - PROVIDE A 90 DEGREE BEND INTO THE CEILING SPACE.
  - PROVIDE A CONNECTOR AND A PLASTIC BUSHING AT THE END OF THE CONDUIT.
  - CONDUITS SHALL BE TERMINATED WITHIN THE BAR JOISTS.

**CONDUITS FOR LOW VOLTAGE SYSTEMS NOTES:**

- WHERE SYSTEM DEVICES ARE LOCATED IN AREAS THAT ARE NOT ACCESSIBLE AT A FUTURE DATE, THESE DEVICES SHALL BE CONNECTED VIA CONDUIT SYSTEM AND EXTENDED TO AN ACCESSIBLE LOCATION, SUCH AS: ABOVE LAY IN CEILINGS OR ACCESSIBLE ROOMS. COORDINATE WITH SYSTEM SUPPLIER FOR CONDUIT TERMINATION REQUIREMENT FOR FUTURE ACCESSIBILITY. SEE DRAWINGS FOR SPECIFIC AREA OR DEVICE REQUIREMENTS.
- THIS NOTE APPLIES TO ALL LOW VOLTAGE SYSTEMS SHOWN ON THIS DRAWING OR ELSEWHERE IN THESE CONSTRUCTION DOCUMENTS.
- ACTUAL LAYOUT AND BOX SIZES SHALL BE COORDINATED WITH SYSTEM SUPPLIER FOR ANY DEVIATION REQUIRED. SYSTEM SUPPLIER SHALL PROVIDE ACTUAL LAYOUT AND SIZES TO THE ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.

**CHEHAYEB & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZERLE ST. TAMPA, FL 33608  
LIC. #49521

NOV 09 2007  
DEVELOPMENT SERVICES DIVISION  
CITY OF CLEARWATER

(813) 878-1415  
(813) 876-0913  
CERT. #7340

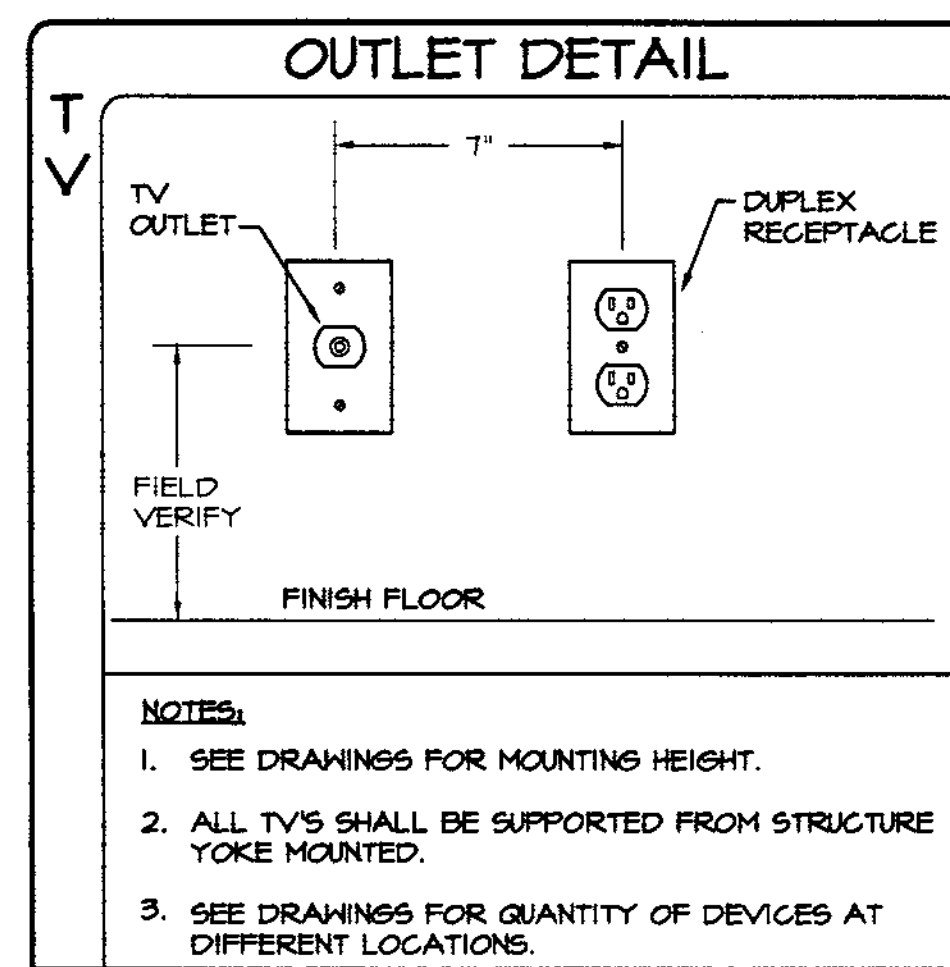
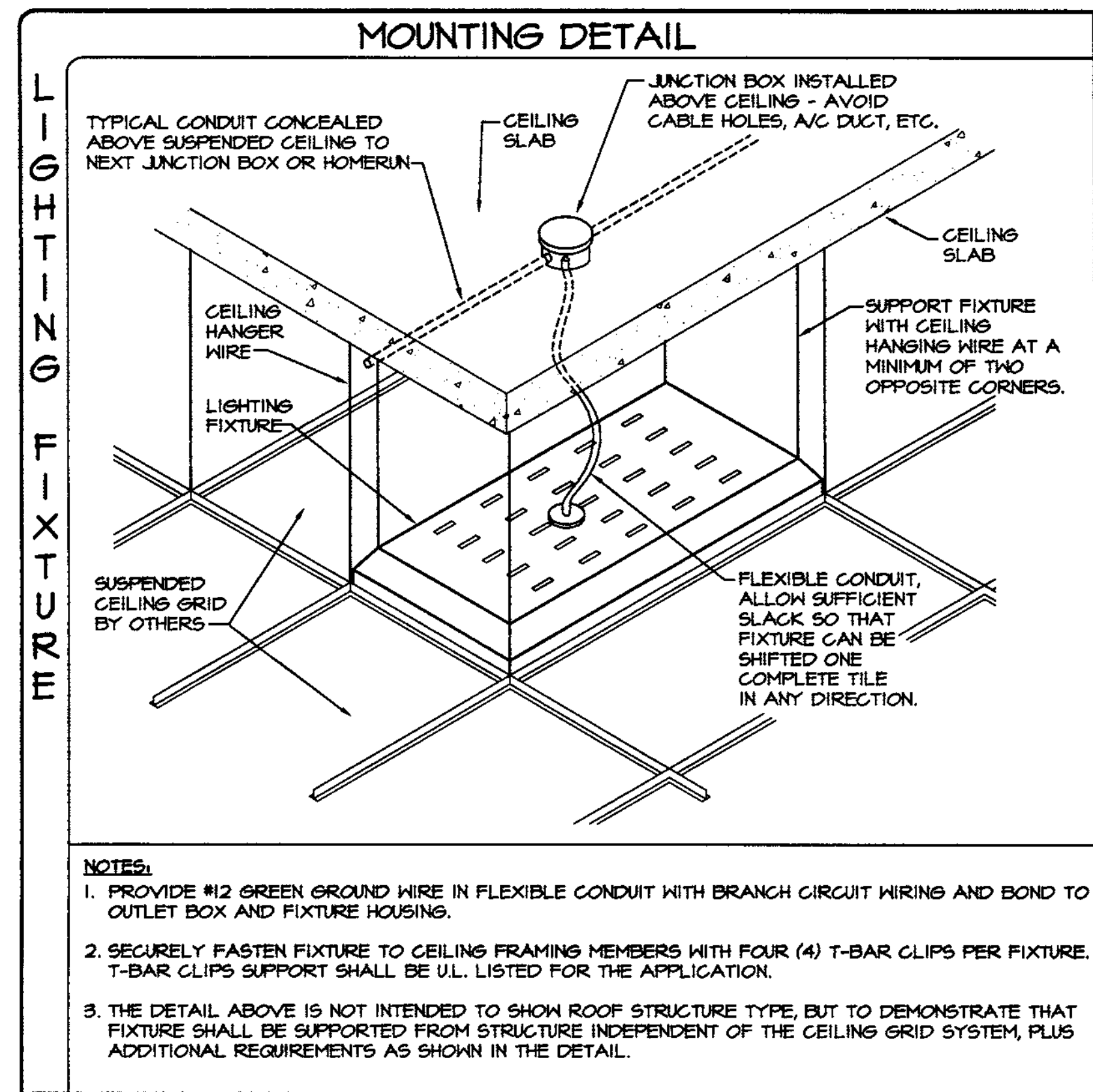
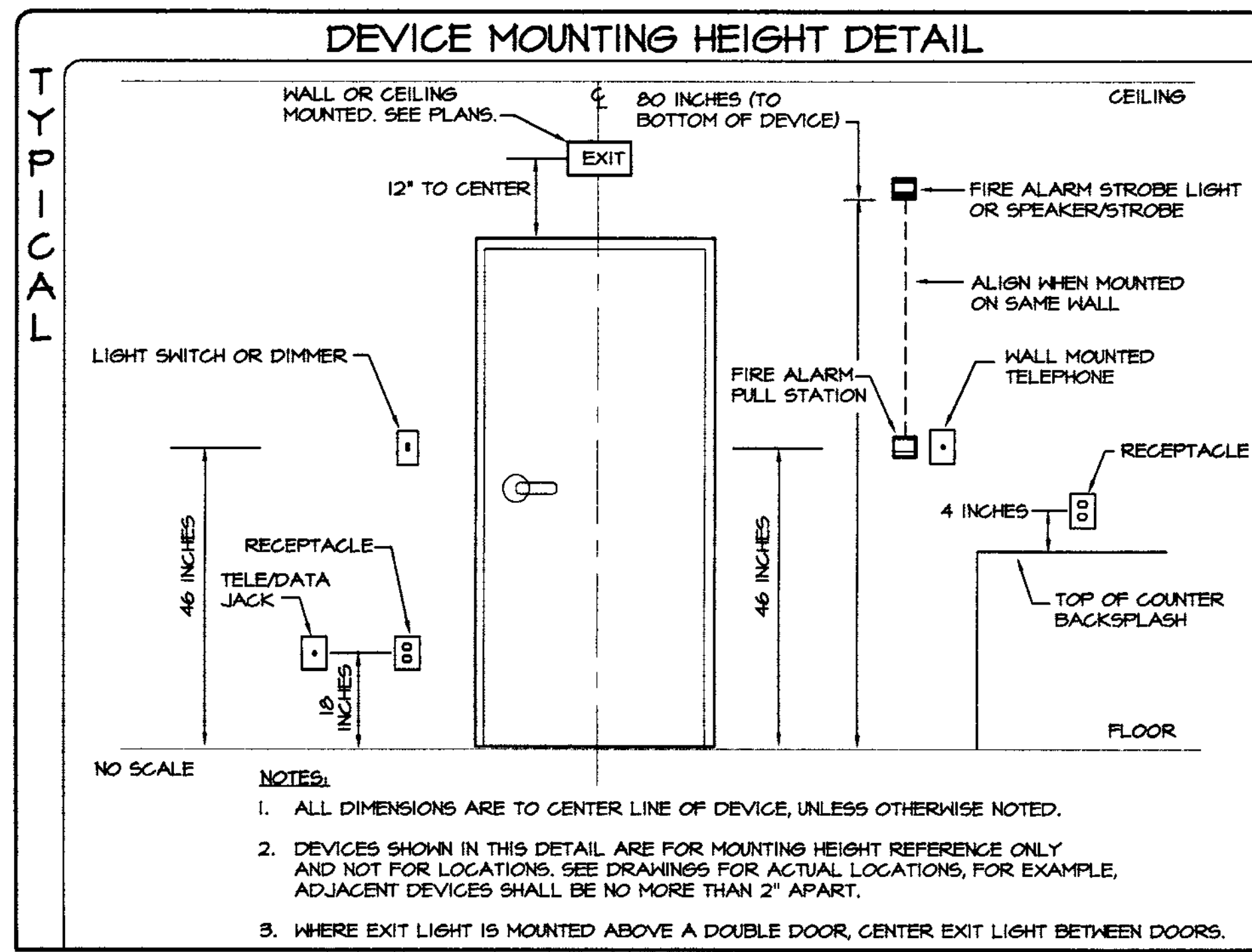
**FOWLER ASSOCIATES ARCHITECTS, INC.**  
1421 COURT STREET, CLEARWATER, FLORIDA 33766  
STATE OF FLORIDA ARCHITECTURE REGISTRATION NUMBER 140001965  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER 140001965

BY: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
NO: \_\_\_\_\_  
DATE: \_\_\_\_\_

DRAWN: C.V.  
DATE: 7 Nov 07

**FIRE ALARM RISER AND NOTES**  
Clearwater Beach Library & Recreation Center Consolidation  
69 BAY ESPLANADE  
CLEARWATER, FLORIDA 33767

PROJECT NO. 07-214  
SHEET NO. E-2.1



### FIXTURE SCHEDULE

TYPE	MANUFACTURER	DESCRIPTION	CATALOG NO.	VOLT	LAMPS	MOUNTING	REMARKS
A	COLUMBIA	2X4 LAY-IN FIXTURE WITH ACRYLIC LENS (STAND ALONE)	4PS-24-3326-F5-A12.125-EBB	120	(3) F32T8-035	LAY-IN	(A)
AE	COLUMBIA	2X4 LAY-IN FIXTURE WITH ACRYLIC LENS (STAND ALONE W/EMERGENCY BATTERY)	4PS-24-3326-F5-A12.125-EBB-UFO-6H	120	(3) F32T8-035	LAY-IN	(A)
AM	COLUMBIA	2X4 LAY-IN FIXTURE WITH W/EMERGENCY BATTERY (MASTER UNIT)	4PS-24-3326-F5-A12.125-H51-24E	120	(3) F32T8-035	LAY-IN	(A)
AME	COLUMBIA	2X2 LAY-IN FIXTURE WITH ACRYLIC LENS (SLAVE UNIT W/EMERGENCY BATTERY)	4PS-24-3326-F5-A12.125-H51-24E-UFO-6H	120	(3) F32T8-035	LAY-IN	(A)
AS	COLUMBIA	2X2 LAY-IN FIXTURE WITH ACRYLIC LENS (SLAVE UNIT)	4PS-24-3326-F5-A12.125	120	(3) F32T8-035	LAY-IN	(A)
B	FRESCOLITE	DOWN LIGHT	INC800-ST180255	120	(1) 150W A-21	RECESSED	
D	FRESCOLITE	COMPACT FLUORESCENT DOWNLIGHT	CFTD832HEB-STFD802H	120	(2) 32W PLT	RECESSED	
E	DUAL-LITE	EMERGENCY BATTERY (2) HEAD FIXTURE	L230-10H	120	(2) 10W HALOGEN	WALL MOUNTED	
FE	COLUMBIA	(2) LAMP STRIP FLUOR. WITH WIRE CAGE AND EMERGENCY BATTERY BALLAST	CS4-232-EBB-UFO-6H W/EMERGENCY BATTERY BALLAST	120	(2) F32T8-035	WALL MOUNTED ABOVE DOOR	
G	COLUMBIA	2X4 SURFACE FLUORESCENT FIXTURE	FM-24-332-F5-A12.125-3E	120	(3) F32T8-035	SURFACE CEILING	
GE	COLUMBIA	EXTERIOR HALL CUTOFF FIXTURE WITH EMERGENCY BATTERY BALLAST	FM-24-332-F5-A12.125-3E W/EMERGENCY BATTERY BALLAST	120	(3) F32T8-035	SURFACE CEILING	
H	COLUMBIA	2X4 LAY-IN FIXTURE WITH PARABOLIC LOUVER (STAND ALONE)	P4-24-3326-LD-18-5-E-2BC	120	(3) F32T8-035	LAY-IN	(A)
HM	COLUMBIA	2X4 LAY-IN FIXTURE WITH PARABOLIC LOUVER (MASTER UNIT)	P4-24-3326-LD-18-5-H51-24E-2BC	120	(3) F32T8-035	LAY-IN	(A)
HME	COLUMBIA	2X2 LAY-IN FIXTURE WITH PARABOLIC LOUVER (MASTER UNIT W/EMERGENCY BATTERY)	P4-24-3326-LD-18-5-H51-24E-UFO-6H-2BC	120	(3) F32T8-035	LAY-IN	(A)
HS	COLUMBIA	2X2 LAY-IN FIXTURE WITH PARABOLIC LOUVER (SLAVE UNIT)	P4-24-3326-LD-18-5-2BC	120	(3) F32T8-035	LAY-IN	(A)
X	DUAL LITE	LED DIECAST ALUMINUM EXIT LIGHT SINGLE FACE WITH BATTERY & SELF DIAGNOSTICS	SES-6WE1	120	INCLUDED	CEILING OR 1'-0" ABOVE DOOR SEE PLANS	

**REMARKS:**

- INBOARD/OUTBOARD LAMP SWITCHING.
- COORDINATE WITH OWNER/ARCHITECT FOR EXACT LOCATION AND HEIGHT PRIOR TO ROUGH IN.

### NOTES

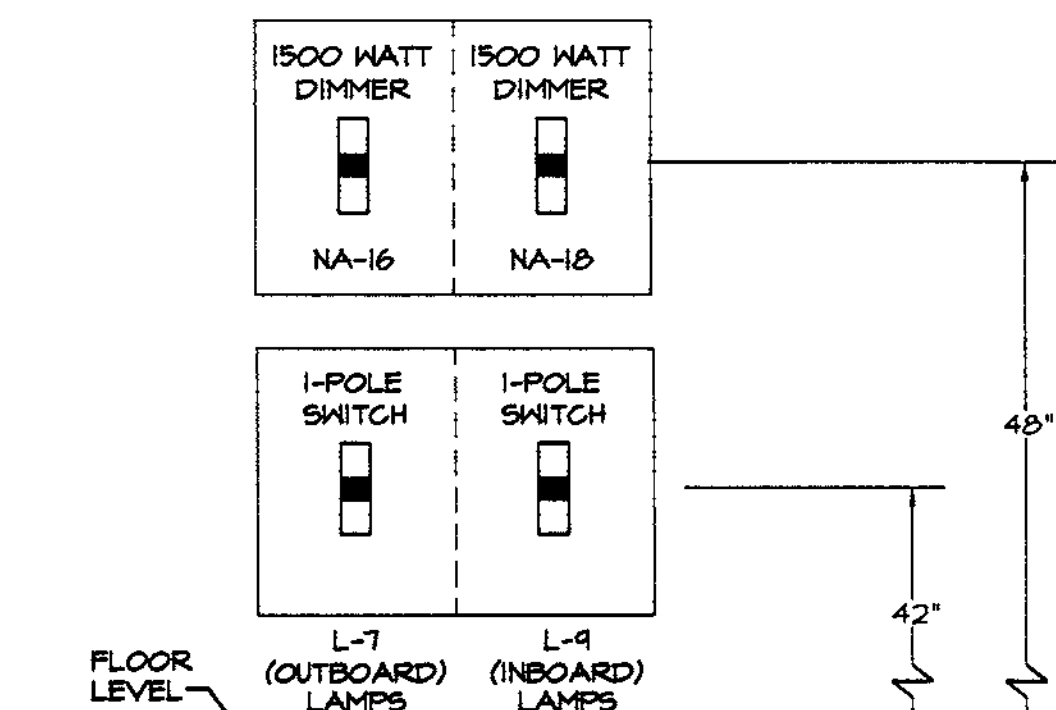
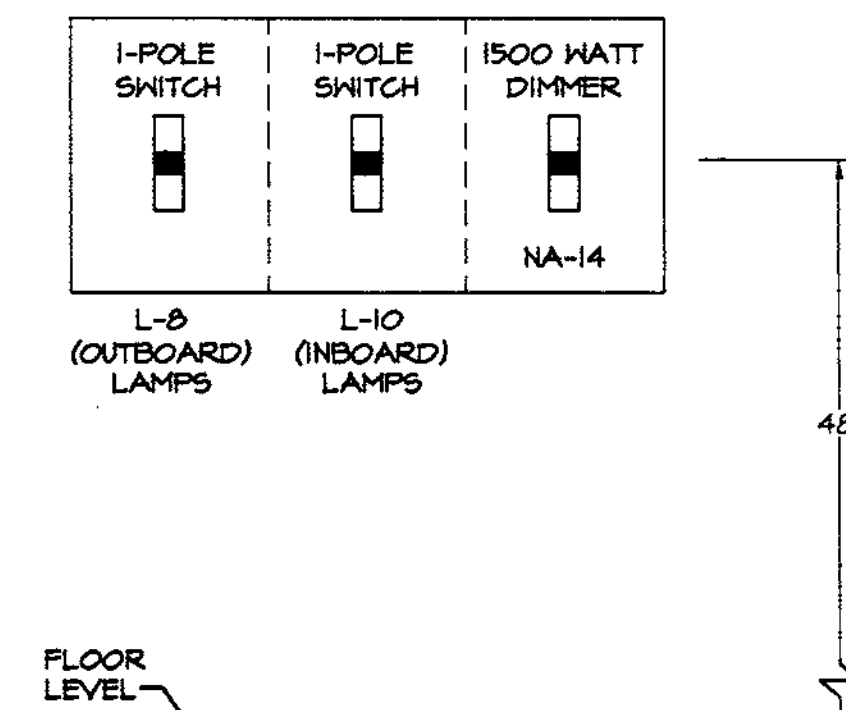
- ALL FLUORESCENT LIGHTING FIXTURES SHALL HAVE ENERGY SAVING TO LAMPS WITH ELECTRONIC BALLASTS.
- PROVIDE NECESSARY MOUNTING HARDWARE AND ACCESSORIES FOR ALL FIXTURES. ACCESSORIES SHALL INCLUDE ALL HARDWARE TO MOUNT FIXTURES AS SHOWN ON SCHEDULES AND/OR DESCRIBED IN THE NOTES.
- ALL FIXTURE SUBSTITUTIONS MUST BE SUBMITTED FOR APPROVAL (EQUALS ONLY).
- ELECTRONIC BALLASTS SHALL HAVE LESS THAN 20% THD AND HAVE FIVE (5) YEAR WARRANTY.
- ALL EMERGENCY, EXIT AND NIGHT LIGHT FIXTURES SHALL BE CONNECTED AHEAD OF LOCAL SWITCHES OR CONTACTORS, UNLESS OTHERWISE NOTED.
- ALL PRE SUBMITTALS SHALL BE ACCOMPANIED WITH PHOTOMETRIC DATA.
- ALL FIXTURES SHALL BE SUPPORTED FROM STRUCTURE AND NOT FROM CEILING SUSPENDED SYSTEM.
- EQUAL ACCEPTED MANUFACTURER ARE: METALUX, LITHONIA, AND DAYBRITE. EVEN THOUGH THESE MANUFACTURERS ARE ACCEPTED, A TEN DAY PRIOR APPROVAL MUST BE SUBMITTED FOR EVALUATION.
- CATALOGUE NUMBER ON FIXTURE SCHEDULE MAY NOT REFERENCE EVERY HARDWARE COMPONENT REQUIRED TO MOUNT FIXTURE AS INTENDED, VERIFY WITH MANUFACTURER FOR PROPER MOUNTING HARDWARE AND ANY ADDITIONAL COMPONENTS REQUIRED TO MOUNT FIXTURE AS INTENDED OR SHOWN.
- LAMPS SHALL BE ENERGY SAVING, COLOR TEMPERATURE AS SHOWN ON SCHEDULE WITH MINIMUM CRI OF 82.
- CONTRACTOR SHALL PROVIDE SPARE LAMPS TO THE OWNER FOR FUTURE REPLACEMENT AND REFERENCE AS FOLLOWS:  
FLUORESCENT LAMPS - TWELVE (12) OF EACH LAMP TYPE.  
INCANDESCENT LAMPS - TWELVE (12) OF EACH LAMP TYPE.  
COMPACT FLUORESCENT - SIX (6) OF EACH LAMP TYPE.
- BALLASTS SHALL BE AS MANUFACTURED BY MAGNETEK / ADVANCE, OR MOTOROLA.
- LAMPS SHALL BE BY SYLVANIA, GE, OR PHILIPS, EXCEPT WHEN SUCH LAMPS ARE NOT AVAILABLE FROM THESE MANUFACTURERS, OR SPECIFIED OTHERWISE IN SCHEDULE.
- SHOP DRAWINGS SHALL INCLUDE:  
A. COMPLETE FIXTURE CUT SHEETS INCLUDING PHOTOMETRICS.  
B. BALLAST CUT SHEETS.  
C. WHERE COLOR SELECTION IS REQUIRED, COLOR CHART SHALL BE PROVIDED WITH THE SHOP DRAWINGS FOR SELECTION BY ARCHITECT/OWNER.  
D. LAMP CUT SHEETS.
- UNLESS OTHERWISE NOTED AS (N) NIGHT LIGHT ON DRAWINGS FIXTURE SHALL BE SWITCHED AS SHOWN. THE EMERGENCY BALLAST TO A CONSTANT HOT.
- EMERGENCY BATTERY PACK SHALL OPERATE (2) LAMPS IN THE SPECIFIED FIXTURE.

**NOTES:**

- CONTRACTOR SHALL PROVIDE ALL OF THE REQUIRED DATA LISTED ABOVE WITH THE SHOP DRAWINGS.
- SHOP DRAWINGS SHALL BE PREPARED BY MANUFACTURER REPRESENTATIVE, AND NOT BY CONTRACTOR.

### SWITCH/DIMMER BANK NOTES

- RUN A SEPARATE NEUTRAL TO EACH DIMMER.
- 600, 1000, AND/OR 1500 WATT DIMMERS WITH PRESETS SHALL BE LUTRON NOVA-T SERIES.
- DEVICE COLORS SHALL MATCH BUILDING STANDARD.
- COORDINATE WITH MANUFACTURER FOR PROPER WALL BOXES REQUIRED PRIOR TO ROUGH-IN.
- DIMMERS SHALL BE 100% RATED EVEN WHEN GANGED AS SHOWN.
- WHERE SWITCHES ARE GROUPED WITH DIMMERS SHOWN, SWITCHES SHALL MATCH DIMMERS IN STYLE AND COLOR.
- CONTRACTOR MUST PROVIDE SHOP DRAWINGS FOR DIMMER BANK LAYOUT FOR APPROVAL PRIOR TO ROUGH IN.
- COVER PLATES SHALL BE FACTORY LABELED AS TO THE DIMMER FUNCTION.
- COVER PLATES SHALL BE OF ONE PIECE CONSTRUCTION FOR EACH GROUP OF SWITCHES AND SHALL BE FURNISHED BY LUTRON AS A PART OF THE WALL DIMMER PACKAGE.
- DIMMER BANK DETAILS SHOWN ON THIS SHEET ARE INTENDED TO ASSIST IN THE LAYOUT. IT IS NOT INTENDED TO PROVIDE EXACT NUMBER OF BACK BOXES REQUIRED. SEE NOTE NO. 4 AND 7 ABOVE.
- BACK BOXES REQUIRED FOR DIMMER BANKS ARE NOT STANDARD 4" SQUARE BOXES WITH RAISED PLASTER-RINGS. THEY SHALL BE GANGABLE SINGLE GANG BOXES, THEREFORE, IT IS ESSENTIAL TO CONTACT MANUFACTURER FOR LAYOUT AND REQUIRED BOX SPECIFICATIONS PRIOR TO ROUGH-IN STAGE.



NOV 09 2007  
DEVELOPMENT SERVICES DEPT.  
CITY OF CLEARWATER

**CHEHAYE & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZEELS ST.  
TAMPA, FL 33609  
(813) 876-1415  
(813) 876-0913  
LIC. #49521    SOUTHEAST CHALLENGE    CERT. #7340

ELECTRICAL DETAILS AND FIXTURE SCHEDULE  
 Clearwater Beach Library & Recreation Center Consolidation  
 69 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33767

PROJECT NO. 07-214  
 SHEET NO. E-3.1

DRAWN BY C.V.  
 DATE 7 Nov 07

REVISION NO. \_\_\_\_\_  
 DATE \_\_\_\_\_

COPYRIGHT FOWLER ASSOCIATES ARCHITECTS, INC. 2007    STEPHEN R. FOWLER    AR000441  
**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 1421 COURT STREET, CLEARWATER, FLORIDA 33769    FAX (727) 447-5398  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-0005441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC00065





### HVAC GENERAL NOTES

- WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES INCLUDING:
  - 2004 FLORIDA BUILDING CODE WITH 2006 SUPPLEMENTS
  - 2004 FLORIDA MECHANICAL CODE WITH 2006 SUPPLEMENTS
  - 2004 FLORIDA ENERGY CODE WITH 2006 SUPPLEMENTS
  - ALL APPLICABLE NFPA CODES
- DEFINITIONS: "FURNISH" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE JOBSITE. "INSTALL" SHALL MEAN TO PHYSICALLY INSTALL AN ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL. "PROVIDE" SHALL MEAN TO BOTH FURNISH AND INSTALL AN ITEM.
- TEST AND BALANCE SHALL BE PERFORMED BY A TEST AND BALANCE AGENCY WHICH IS A MEMBER OF AABC OR NEBB, AND APPROVED BY THE ENGINEER. THE MECHANICAL CONTRACTOR SHALL HAVE ALL SYSTEMS FULLY INSTALLED AND OPERATIONAL, WITH CLEAN FILTERS PRIOR TO TEST AND BALANCE. TEST AND BALANCE SHALL BE PERFORMED WITH ALL AIR HANDLERS RUNNING SIMULTANEOUSLY. THE TEST AND BALANCE COMPANY SHALL VERIFY THAT ALL DAMPERS ARE FULLY OPEN BEFORE ANY BALANCING.

### HVAC EQUIPMENT

- TRANE IS THE BASE BID FOR THE AIR CONDITIONING EQUIPMENT.
- ALL AIR CONDITIONING UNITS SHALL INCLUDE A ONE YEAR UNIT WARRANTY AND AN EXTENDED 4-YEAR COMPRESSOR WARRANTY.
- ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- THE AIR CONDITIONING EQUIPMENT SHALL BE OPERATED DURING CONSTRUCTION WITH THROUGHWAY FILTERS. FILTERS SHALL BE CHANGED DURING CONSTRUCTION IF THEY BECOME RESTRICTIVE OF AIRFLOW FOR NORMAL OPERATION. PROVIDE REPLACEABLE MEDIA FILTERS, WITH METAL FILTER FRAMES JUST PRIOR TO TEST AND BALANCE.
- THE MECHANICAL SUBCONTRACTOR SHALL PREPARE PLANS SHOWING THE LOCATIONS AND SIZES OF ALL WALL PENETRATIONS AND ROOF OPENINGS, FOR USE BY THE GENERAL CONTRACTOR.
- SUBMITTALS SHALL BE REVIEWED BY THE ELECTRICAL SUBCONTRACTOR, FOR IMPACT ON THE ELECTRICAL, PRIOR TO ORDERING EQUIPMENT. ANY SUBSTITUTED EQUIPMENT SHALL BE PROTECTED BY EITHER FUSES OR AN HACR BREAKER.

### HVAC CONTROLS

- ALL CONTROLS WORK SHALL BE A SEPARATE BID BY "ABC CONTROLS". ALL NEW AND EXISTING THERMOSTATS SHALL BE TIED INTO EXISTING DDC REMOTE CONTROL SYSTEM.
- CONTROLS (INCLUDING THERMOSTATS) FOR EXISTING VAV BOXES ARE EXISTING TO REMAIN, EXCEPT FOR VAV BOX "V-5" WHICH IS TO BE REMOVED AND SCRAPED.
- EXISTING AIR HANDLERS AHU-1 & AHU-2 SHALL BE RETROFITTED WITH MODULATING CO2 OUTSIDE AIR CONTROLS. NEW CO2 SENSORS SHALL BE PROVIDED OUTSIDE AND IN THE RETURN DUCTWORK. EXISTING OUTSIDE AIR MOTORIZED DAMPERS MAY BE REUSED. CO2 CONTROLS SHALL BE MONITORED BY THE DDC SYSTEM.
  - THE MINIMUM DAMPER POSITION SHALL BE 100% CLOSED. THE OUTSIDE AIR MOTORIZED DAMPER SHALL BE CLOSED WHEN THE RETURN AIR CO2 LEVEL IS THE SAME AS THE OUTSIDE AIR CO2 LEVEL.
  - THE MAXIMUM DAMPER POSITION SHALL BE 100% OPEN. A MANUAL BALANCING DAMPER SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR DOWNSTREAM OF THE CONTROL DAMPER. THIS MANUAL DAMPER SHALL BE SET BY TEST AND BALANCE FOR THE SCHEDULED OUTSIDE AIR QUANTITY. THE OUTSIDE AIR MOTORIZED DAMPER SHALL BE IN THE MAXIMUM POSITION WHEN THE RETURN AIR CO2 LEVEL IS 800 PPM GREATER THAN THE OUTSIDE AIR CO2 LEVEL.
- ALL EXISTING CONTROLS, DAMPERS, SENSORS & THERMOSTATS SHALL BE TESTED AND REPAIRED OR REPLACED AS NEEDED.
- PROVIDE NEW THERMOSTATS FOR AIR HANDLERS AHU-4 & AHU-5. THESE THERMOSTATS SHALL BE DDC, WITH A DIGITAL DISPLAY AND TIME LIMITED MANUAL OVERRIDE WITHIN A SPECIFIED OFFSET.
- ALL THERMOSTATS SHALL BE MOUNTED 48" AFF.
- LOW VOLTAGE (24V) CONTROL WIRING SHALL BE PROVIDED BY THE CONTROLS SUBCONTRACTOR, WHO SHALL SUBCONTRACT WITH THE ELECTRICAL SUBCONTRACTOR TO PROVIDE CONDUIT FOR ALL CONTROL WIRING, AS COORDINATED W/ THE MECHANICAL SUBCONTRACTOR. ALL CONDUIT SHALL BE RUN SQUARE WITH BUILDING LINES.
- LINE VOLTAGE (120V AND HIGHER) CONTROL AND POWER WIRING AND CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL SUBCONTRACTOR.
- THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE ALL DISCONNECT SWITCHES.

### EXISTING HVAC EQUIPMENT

- EXISTING AIR HANDLERS AND CONDENSING UNITS SHALL BE TESTED, SERVICED AND CLEANED COMPLETE. TEST AND BALANCE SHALL VERIFY PERFORMANCE. ALL HEATING ELEMENTS SHALL ALSO BE CLEANED. EXISTING DUCTWORK SHALL BE CLEANED INTERNALLY, INSPECTED FOR DAMAGE AND LEAKAGE AND REPAIRED EXISTING AIR HANDLERS ALL CURRENTLY HAVE STANDING WATER IN THE PRIMARY DRAIN PAN, AND LEAKAGE INTO THE SECONDARY PAN. THE SOURCE OR SOURCES OF THE PROBLEM SHALL BE DETERMINED AND FIXED. DRAIN PANS SHALL BE CLEANED AND REPAIRED OR REPLACED AS NEEDED.

TAG	DESCRIPTION	PRICE MODEL	MOUNTING FRAME	CORE
CD1	CEILING DIFFUSER	APDC	LAY-IN	PERFORATED FACE, ADJUSTABLE CURVED BLADE.
CR2	CEILING DIFFUSER	AMD	SURFACE	EXTRUDED, DIRECTIONAL, FIXED LOUVER.
SR	SUPPLY REGISTER	620	SURFACE	DOUBLE DEFLECTION HORIZONTAL REAR BLADES, VERTICAL FRONT BLADES, OPPOSED BLADE DAMPER.
RR1	RETURN REGISTER	630	LAY-IN	FIXED LOUVER, OPPOSED BLADE DAMPER.
RF1	FILTER-BACK RETURN	630FF	LAY-IN	FIXED LOUVER, 1" FILTER RACK AND HINGED FACE.
EG1	EXHAUST TRANSFER GRILLE	APDR	LAY-IN	PERFORATED FACE.
TG2	TRANSFER GRILLE	630	SURFACE	FIXED LOUVER.
OAG	OUTSIDE AIR GRILLE	630	SURFACE	FIXED LOUVER, 45° DEFLECTION, MILL FINISH. PROVIDE 1/2" HARDWARE CLOTH & INSECT SCREEN IN NECK.

- NOTES:
- APPROVED MANUFACTURERS: CARNES, KRUEGER, METALFAIRE, TITUS AND PRICE.
  - APPROVED MANUFACTURERS: OF LOUVERS ARE GREENHECK & RUSKIN
  - MATCH RUN-OUT SIZE TO NECK SIZE IF NOT NOTED
  - ALL AIR DISTRIBUTION SHALL INCLUDE: ALUMINUM CONSTRUCTION AND OFF-WHITE COLOR.

### LEGEND

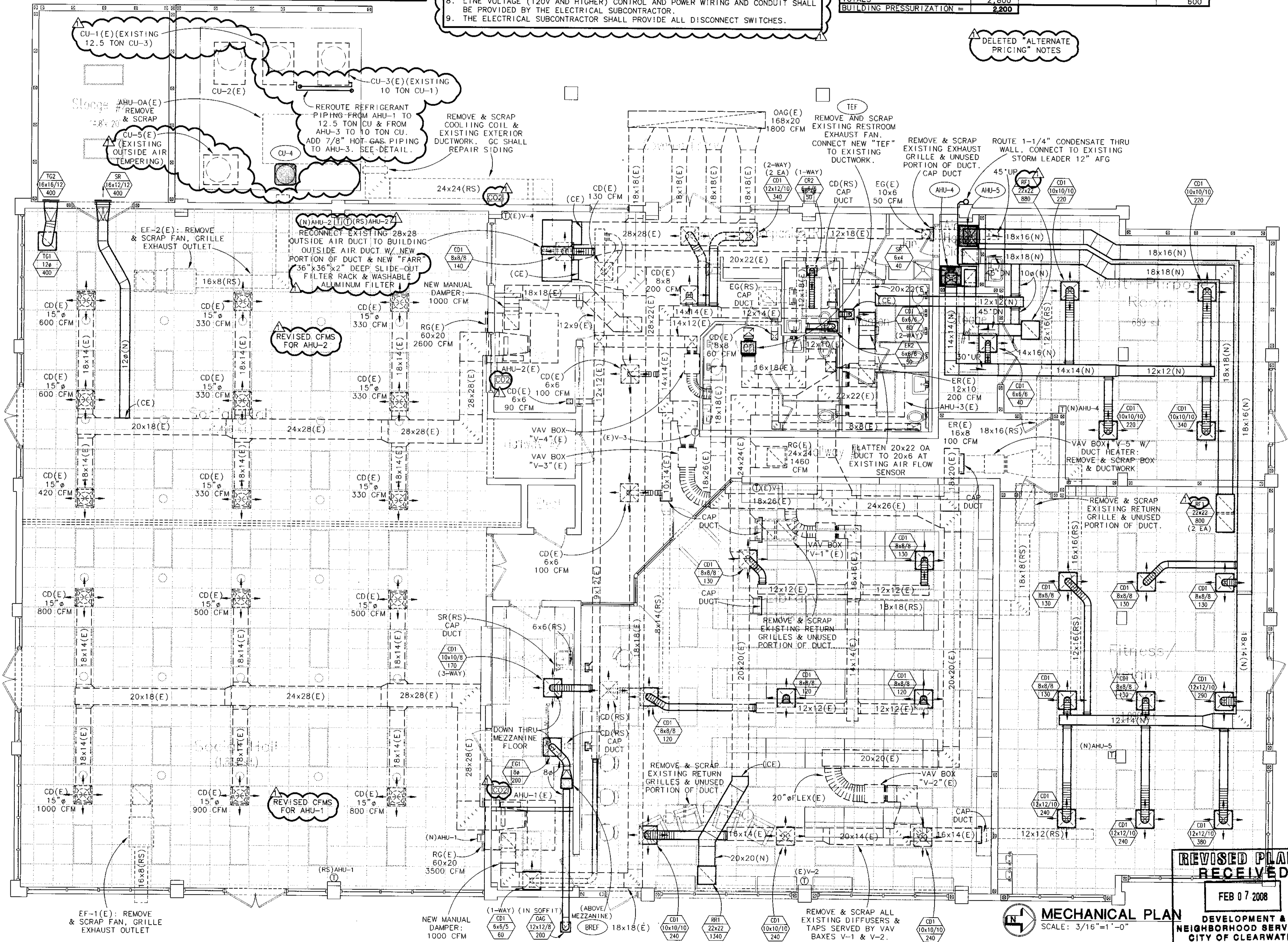
- TYPE OF AIR DISTRIBUTION
- NECK SIZE / RUNOUT SIZE
- CFM AIRFLOW

### LEGEND

- BALANCING DAMPER (BD)
- EXISTING THERMOSTAT
- NEW THERMOSTAT
- NEW THERMOSTAT WITH HUMIDITY SENSOR
- NEW CO2 SENSOR
- NEW MECHANICAL EQUIPMENT
- NEW AIR DISTRIBUTION
- NEW
- EXISTING
- REMOVE & SCRAP
- CONNECT TO EXISTING

OUTSIDE AIR ALLOCATION					
SOURCE	PEOPLE	CFM/PERSON	TIME FACTOR	CFM REQUIRED	DESIGN
AHU-1 SOCIAL HALL EAST	99	20	50%	990	1,000
AHU-2 SOCIAL HALL WEST	99	20	50%	990	1,000
AHU-3 LIBRARY/COMMON	16	20	100%	320	400
AHU-4 MULTI-PURPOSE ROOM	20	20	50%	200	200
AHU-5 FITNESS/WEIGHTS	10	20	100%	200	200
<b>TOTAL</b>				<b>2,700</b>	<b>2,800</b>

BUILDING AIR BALANCE			
OUTSIDE AIR INTO BUILDING		EXHAUST AIR	
SOURCE	CFM	SOURCE	CFM
AHU-1 SOCIAL HALL EAST	1,000	EF-1 RESTROOM, JANITOR	400
AHU-2 SOCIAL HALL WEST	1,000		200
AHU-3 LIBRARY/COMMON	400		
AHU-4 MULTI-PURPOSE ROOM	200		
AHU-5 FITNESS/WEIGHTS	200		
<b>TOTALS</b>	<b>2,800</b>		<b>600</b>
<b>BUILDING PRESSURIZATION = 2,200</b>			



**REVISED PLANS RECEIVED**  
FEB 07 2008  
DEVELOPMENT & NEIGHBORHOOD SERVICES  
CITY OF CLEARWATER

**GRAMLICH & ASSOCIATES, P.A.**  
RICHARD B. GRAMLICH P.E. No. 30715  
GREGOR GRAMLICH P.E. No. 54709  
13191 STARKEY ROAD, SUITE 17  
LARGO, FLORIDA 33773  
(727) 536-0464 FAX: (727) 530-5831

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
1421 COURT STREET, CLEARWATER, FLORIDA 33766  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER: AR-0005441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: AAC00066

Clearwater Beach Library & Recreation Center Consolidation  
69 BAY ESPERANDE  
CLEARWATER, FLORIDA 33767

07-214  
M-1



### HVAC GENERAL NOTES

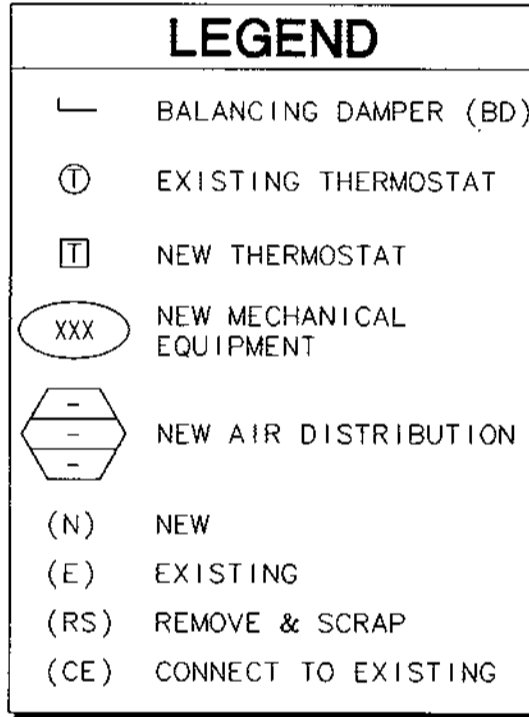
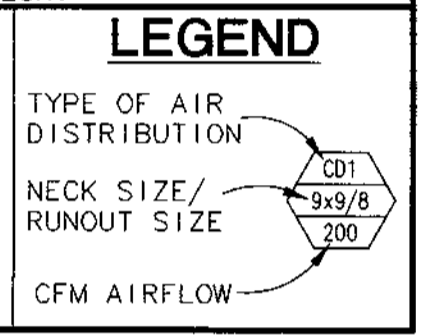
- WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES INCLUDING:
  - 2004 FLORIDA BUILDING CODE WITH 2006 SUPPLEMENTS
  - 2004 FLORIDA MECHANICAL CODE WITH 2006 SUPPLEMENTS
  - 2004 FLORIDA ENERGY CODE WITH 2006 SUPPLEMENTS
  - ALL APPLICABLE NFPA CODES
- DEFINITIONS: "FURNISH" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE JOBSITE. "INSTALL" SHALL MEAN TO PHYSICALLY INSTALL AN ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL. "PROVIDE" SHALL MEAN TO BOTH FURNISH AND INSTALL AN ITEM.
- TEST AND BALANCE SHALL BE PERFORMED BY A TEST AND BALANCE AGENCY WHICH IS A MEMBER OF AABC OR NEBB, AND APPROVED BY THE ENGINEER. THE MECHANICAL CONTRACTOR SHALL HAVE ALL SYSTEMS FULLY INSTALLED AND OPERATIONAL, WITH CLEAN FILTERS PRIOR TO TEST AND BALANCE. TEST AND BALANCE SHALL BE PERFORMED WITH ALL AIR HANDLERS RUNNING SIMULTANEOUSLY. THE TEST AND BALANCE COMPANY SHALL VERIFY THAT ALL DAMPERS ARE FULLY OPEN BEFORE ANY BALANCING.

### AIR DISTRIBUTION SCHEDULE

TAG	DESCRIPTION	PRICE MODEL	MOUNTING FRAME	CORE
CD1	CEILING DIFFUSER	APDC	LAY-IN	PERFORATED FACE, ADJUSTABLE CURVED BLADE.
CR2	CEILING DIFFUSER	AMD	SURFACE	EXTRUDED, DIRECTIONAL, FIXED LOUVER.
SR	SUPPLY REGISTER	620	SURFACE	OPPOSED BLADE DAMPER, DOUBLE DEFLECTION, HORIZONTAL REAR BLADES, VERTICAL FRONT BLADES, OPPOSED BLADE DAMPER.
RR1	RETURN REGISTER	630	LAY-IN	FIXED LOUVER, OPPOSED BLADE DAMPER.
EG1	EXHAUST/TRANSFER GRILLE	APDDR	LAY-IN	PERFORATED FACE.
TG2	TRANSFER GRILLE	630	SURFACE	FIXED LOUVER.
OAG	OUTSIDE AIR GRILLE	630	SURFACE	FIXED LOUVER, 45° DEFLECTION, MILL FINISH. PROVIDE 1/2" HARDWARE CLOTH & INSECT SCREEN IN NECK.

NOTES:

- APPROVED MANUFACTURERS: CARNES, KRUEGER, METALAIR, TITUS AND PRICE.
- APPROVED MANUFACTURERS: OF LOUVERS ARE GREENHECK & RUSKIN
- MATCH RUN-OUT SIZE TO NECK SIZE IF NOT NOTED
- ALL AIR DISTRIBUTION SHALL INCLUDE: ALUMINUM CONSTRUCTION AND OFF-WHITE COLOR.



### HVAC EQUIPMENT

- CARRIER IS THE BASIS OF DESIGN FOR THE AIR CONDITIONING EQUIPMENT. LENNOX & TRANE ARE APPROVED ALTERNATES. IF AN ALTERNATE IS USED, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL ELECTRICAL AND SERVICE CLEARANCE DIFFERENCES FROM THE BASIS OF DESIGN.
- ALL AIR CONDITIONING UNITS SHALL INCLUDE A ONE YEAR UNIT WARRANTY AND AN EXTENDED 4-YEAR COMPRESSOR WARRANTY.
- ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- THE AIR CONDITIONING EQUIPMENT SHALL BE OPERATED DURING CONSTRUCTION WITH THROWAWAY FILTERS. FILTERS SHALL BE CHANGED DURING CONSTRUCTION IF THEY BECOME RESTRICTIVE OF AIRFLOW FOR NORMAL OPERATION. PROVIDE REPLACEABLE MEDIA FILTERS, WITH METAL FILTER FRAMES JUST PRIOR TO TEST AND BALANCE.
- THE MECHANICAL SUBCONTRACTOR SHALL PREPARE PLANS SHOWING THE LOCATIONS AND SIZES OF ALL WALL PENETRATIONS AND ROOF OPENINGS, FOR USE BY THE GENERAL CONTRACTOR.
- SUBMITTALS SHALL BE REVIEWED BY THE ELECTRICAL SUBCONTRACTOR, FOR IMPACTS ON THE ELECTRICAL, PRIOR TO ORDERING EQUIPMENT. ANY SUBSTITUTED EQUIPMENT SHALL BE PROTECTED BY EITHER FUSES OR AN HACR BREAKER.

### EXISTING HVAC EQUIPMENT

- EXISTING AIR HANDLERS AND CONDENSING UNITS SHALL BE TESTED, SERVICED AND CLEANED COMPLETE. TEST AND BALANCE SHALL VERIFY PERFORMANCE. ALL HEATING ELEMENTS SHALL ALSO BE CLEANED. EXISTING DUCTWORK SHALL BE CLEANED INTERNALLY, INSPECTED FOR DAMAGE AND LEAKAGE AND REPAIRED.
- EXISTING AIR HANDLERS ALL CURRENTLY HAVE STANDING WATER IN THE PRIMARY DRAIN PAN, AND LEAKAGE INTO THE SECONDARY PAN. THE SOURCE OR SOURCES OF THE PROBLEM SHALL BE DETERMINED AND FIXED. DRAIN PANS SHALL BE CLEANED AND REPAIRED OR REPLACED AS NEEDED.

### HVAC CONTROLS

- CONTROLS (INCLUDING THERMOSTATS) FOR EXISTING AIR HANDLERS AND VAV SYSTEMS ARE EXISTING TO REMAIN, EXCEPT FOR VAV BOX "V-5" WHICH IS TO BE REMOVED AND SCRAPPED.
- ALL EXISTING CONTROLS, DAMPERS, SENSORS & THERMOSTATS SHALL BE TESTED AND REPAIRED OR REPLACED AS NEEDED.
- PROVIDE NEW THERMOSTATS FOR AIR HANDLERS, AHU-4 & AHU-5. THESE THERMOSTATS SHALL BE DIGITAL, 7-DAY PROGRAMMABLE WITH 4 MODES PER DAY, WITH STAGES OF CAPACITY TO MATCH THE EQUIPMENT.
- ALL THERMOSTATS SHALL BE FACTORY SUPPLIED. HONEYWELL IS AN ACCEPTABLE ALTERNATE MANUFACTURER. PROVIDE AN INSULATED SUB-BASE FOR ANY THERMOSTAT LOCATED ON AN EXTERIOR WALL.
- ALL THERMOSTATS SHALL BE MOUNTED 48" AFF.
- LOW VOLTAGE (24V) CONTROL WIRING SHALL BE PROVIDED BY THE MECHANICAL SUBCONTRACTOR, WHO SHALL SUBCONTRACT WITH THE ELECTRICAL SUBCONTRACTOR TO PROVIDE CONDUIT FOR ALL CONTROL WIRING, AS COORDINATED W/ THE MECHANICAL SUBCONTRACTOR. ALL CONDUIT SHALL BE RUN SQUARE WITH BUILDING LINES.
- LINE VOLTAGE (120V AND HIGHER) CONTROL AND POWER WIRING AND CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL SUBCONTRACTOR.
- THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE ALL DISCONNECT SWITCHES.

### DEMOLITION NOTES

- REMOVE AND SCRAP OUTSIDE AIR UNIT INCLUDING DESICCANT UNIT, CONDENSING UNIT, COOLING COIL AND EXTERNAL DUCTWORK. GC SHALL REPAIR SIDING.
- REMOVE AND SCRAP ALL UNUSED DUCTWORK DUCTWORK AS SHOWN ON PLAN.
- REMOVE AND SCRAP EXHAUST FANS AND UNUSED DUCTWORK.

### ALTERNATE PRICING

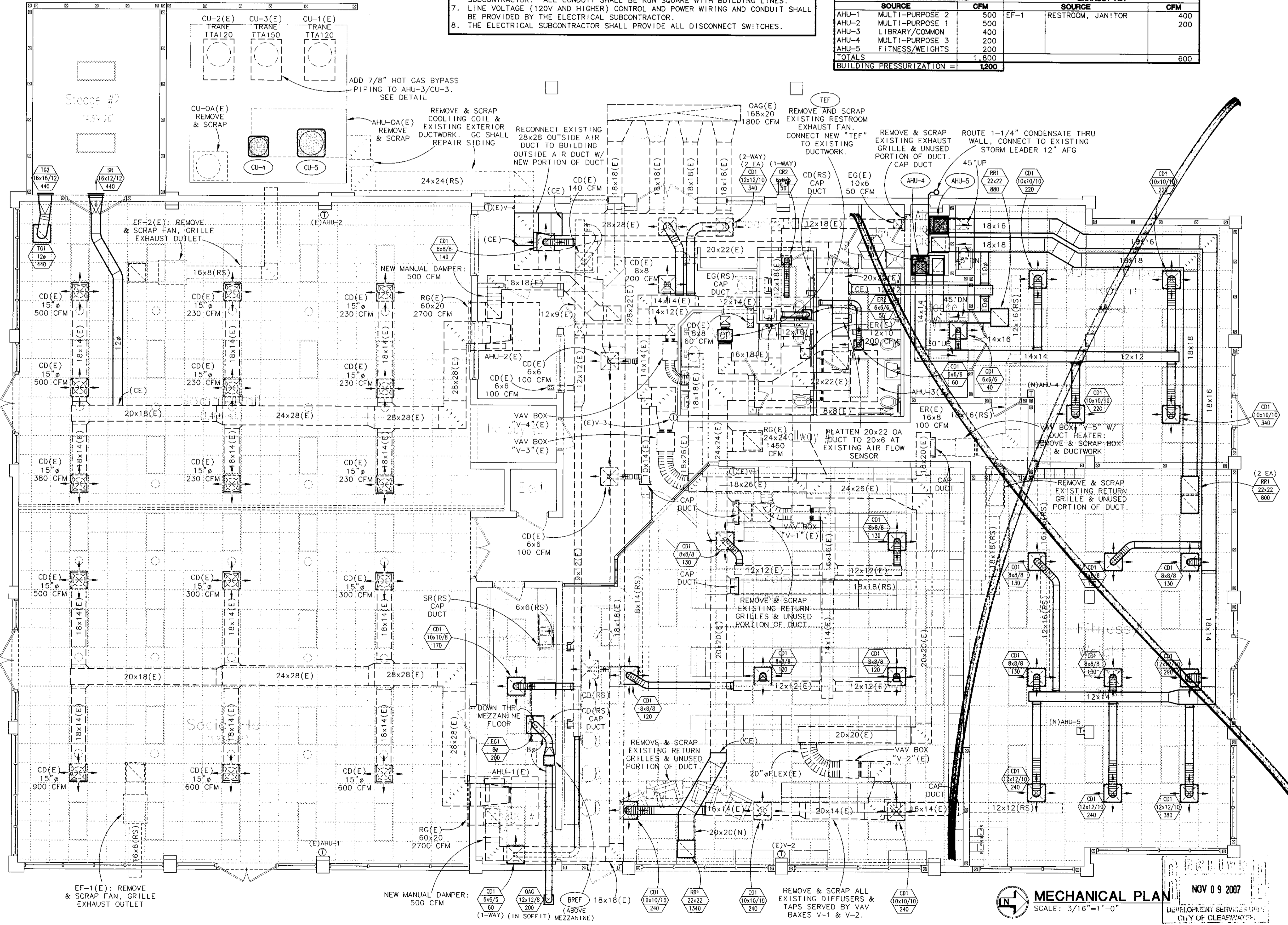
- PROVIDE ADDITIVE ALTERNATE TO REPLACE ALL EXISTING FIBERGLASS DUCTWORK WITH NEW SHEET METAL DUCTWORK (SEE DETAIL ON SHEET M-2). IF THE EXISTING DUCTWORK IS DEEMED TO REMAIN, ALL NEW DUCTWORK SHALL ALSO BE FIBERGLASS (SEE DETAIL ON SHEET M-2).

### OUTSIDE AIR ALLOCATION

SOURCE	PEOPLE	CFM/PERSON	DIVERSITY	CFM REQUIRED	DESIGN	
AHU-1	MULTI-PURPOSE 2	40	20	50%	400	500
AHU-2	MULTI-PURPOSE 1	48	20	50%	480	500
AHU-3	LIBRARY/COMMON	20	20	100%	400	400
AHU-4	MULTI-PURPOSE 3	21	20	50%	210	200
AHU-5	FITNESS/WEIGHTS	10	20	100%	200	200
<b>TOTAL</b>				<b>1,690</b>	<b>1,800</b>	

### BUILDING AIR BALANCE

OUTSIDE AIR INTO BUILDING	EXHAUST AIR
AHU-1 MULTI-PURPOSE 2	EF-1 RESTROOM, JANITOR
500	400
AHU-2 MULTI-PURPOSE 1	
500	200
AHU-3 LIBRARY/COMMON	
400	
AHU-4 MULTI-PURPOSE 3	
200	
AHU-5 FITNESS/WEIGHTS	
200	
<b>TOTALS</b>	<b>600</b>
<b>BUILDING PRESSURIZATION = 1,800</b>	



GRAMLICH & ASSOCIATES, P.A.  
 RICHARD B. GRAMLICH P.E. No. 30715  
 GREGOR GRAMLICH P.E. No. 54709  
 JOHN WOOD, P.E. No. 64788  
 CERTIFICATE OF AUTHORIZATION No. 4726  
 1519 S. BAYVIEW BLVD., SUITE 17  
 LARGO, FLORIDA 33773  
 (727) 536-0454 FAX: (727) 530-9991

FOWLER ASSOCIATES ARCHITECTS, INC.  
 1401 COURSE STREET CLEARWATER, FLORIDA 33765 TEL: (727) 469-2000 FAX: (727) 469-5339  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER: AS-0005441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: AKC0001665

BY: *[Signature]*

REVISION NO. \_\_\_\_\_

DATE: \_\_\_\_\_

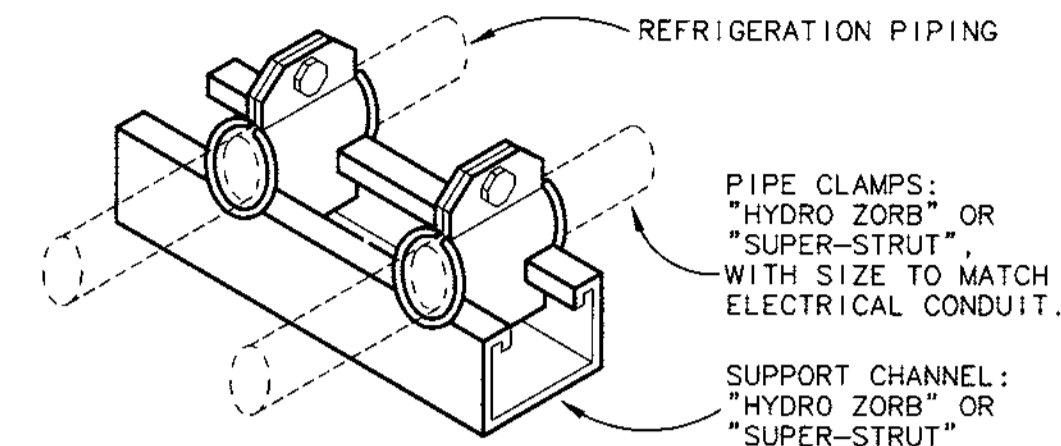
DRAWN: JRW

DATE: 7 Nov 07

Clearwater Beach Library & Recreation Center Consolidation  
 68 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33767

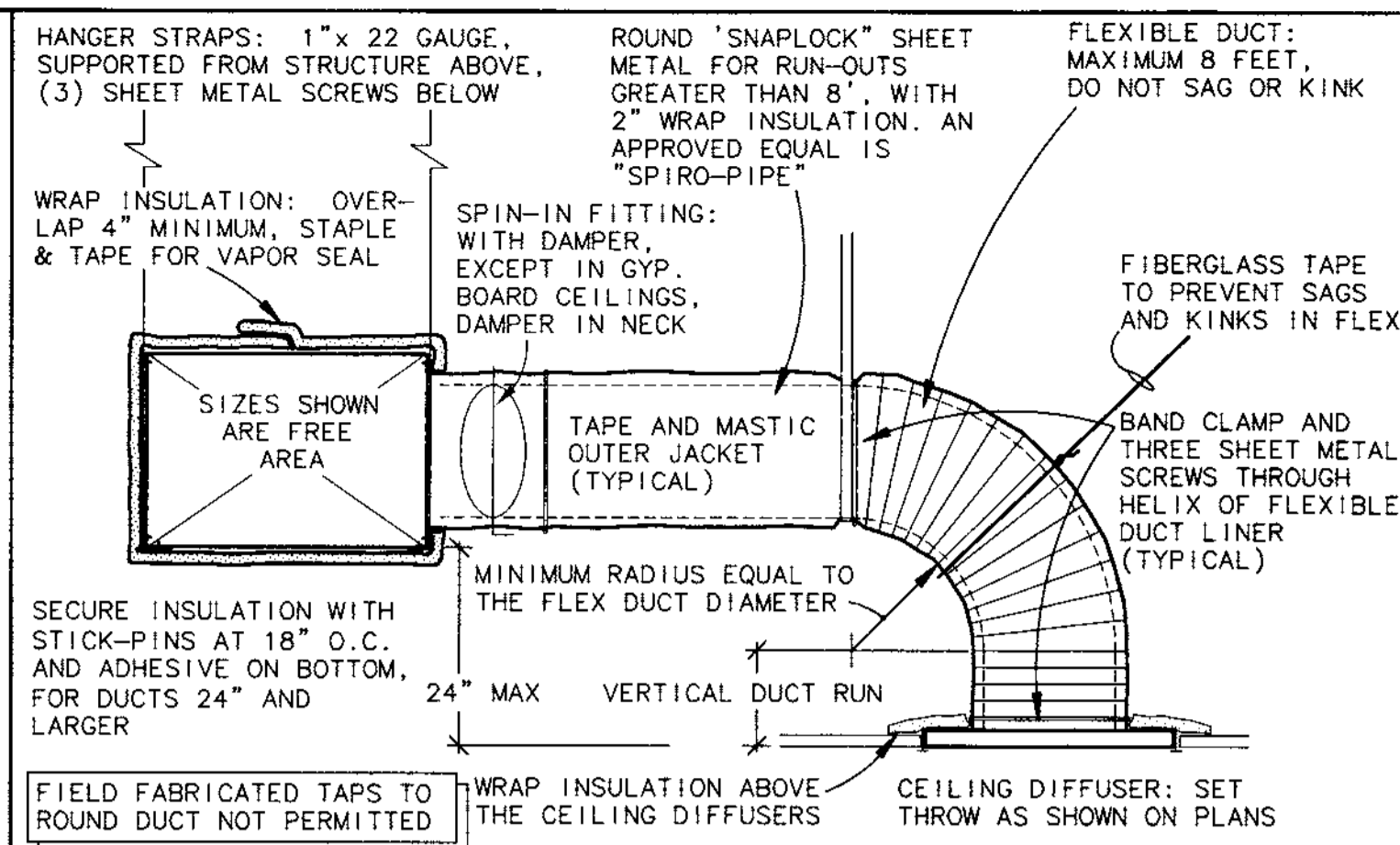
PROJECT NO. 07-214

SHEET NO. M-1



### REFRIGERANT PIPING DETAIL

- ALL REFRIGERANT PIPING OUTSIDE THE BUILDING SHALL BE HARD COPPER, ACR TYPE "L", WITH LONG RADIUS ELBOWS AND WROUGHT FITTINGS. PIPING IN WALLS OR ABOVE THE CEILING SHALL BE SOFT COPPER.
- TRAPS SHALL BE SINGLE PIECE, WROUGHT COPPER.
- INSULATE SUCTION LINES FULL LENGTH WITH ARMAFLEX INSULATION. THICKNESS SHALL BE 1/2" UP THROUGH 7/8" SUCTION LINE SIZE, WITH 3/4" THICKNESS FOR 1-1/8" SUCTION LINES & ABOVE. ALL INSULATION SHALL BE ASTM E84 APPROVED (FLAME SPREAD OF 25, SMOKE DENSITY OF 50).
- INSULATION SHALL NOT BE SPLIT DURING INSTALLATION.
- ROUTING OF ALL REFRIGERANT PIPING SHALL BE "SQUARE WITH" BUILDING LINES. HORIZONTAL PIPING SHALL BE SLOPED AT THE RATE OF (1) INCH FOR EACH (10) FEET, TOWARD THE COMPRESSOR.
- SUPPORT OF THE REFRIGERANT PIPING AT THE CONDENSING UNITS SHALL BE AS SHOWN ABOVE.
- SUPPORT OF THE REFRIGERANT PIPING, IN CEILING PLENUMS, SHALL BE WITH STRAP HANGERS, SHEET METAL "SADDLES", WITH 3/4" INSULATION TO ELIMINATE ANY METAL-TO-METAL CONTACT.
- BRAZE ALL REFRIGERANT PIPING WITH A FLOW OF DRY NITROGEN DURING THE BRAZING OPERATIONS.
- SOLDER SHALL BE 15% SILVER "SIL-FOS" OR EQUAL.



### SHEET METAL DUCT DETAIL

- SHEET METAL DUCTS SHALL BE FABRICATED & INSTALLED PER THE LATEST EDITION OF SMACNA, AND THE FLORIDA ENERGY CODE (SECTIONS 503.8 AND 503.9)
- 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 EQUIPMENT.
- 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).
- INSULATION SHALL BE NFPA 90 APPROVED, 1-1/2" THICK WITH ALUMINUM FOIL FACING AND A MINIMUM INSTALLED R-VALUE OF 4.2. RETURN AIR, OUTSIDE AIR, AND EXHAUST DUCTWORK SHALL NOT BE INSULATED.
- ROUND DUCT CONNECTIONS SHALL BE SPIN-IN TYPE, WITH DAMPER AND HANDLE. SPRAY PAINT 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 4.2, A FOIL OUTER VAPOR BARRIER, AND BE UL-181 APPROVED.
- ALL TAPES SHALL BE FASSON 0810 (NO SUBSTITUTIONS), SMACNA APPROVED.
- COMPLETELY SEAL ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTS WITH RCD #6 MASTIC OR "HARDCAST" MASTIC TAPE. (NO SUBSTITUTIONS)

RETURN, OUTSIDE AIR, AND EXHAUST DUCTS DO NOT NEED TO BE INSULATED. INSULATION IS ONLY REQUIRED FOR SUPPLY DUCTWORK.

FIELD FABRICATED TAPS TO ROUND DUCT NOT PERMITTED

DELETED "FIBERGLASS DUCT DETAIL"

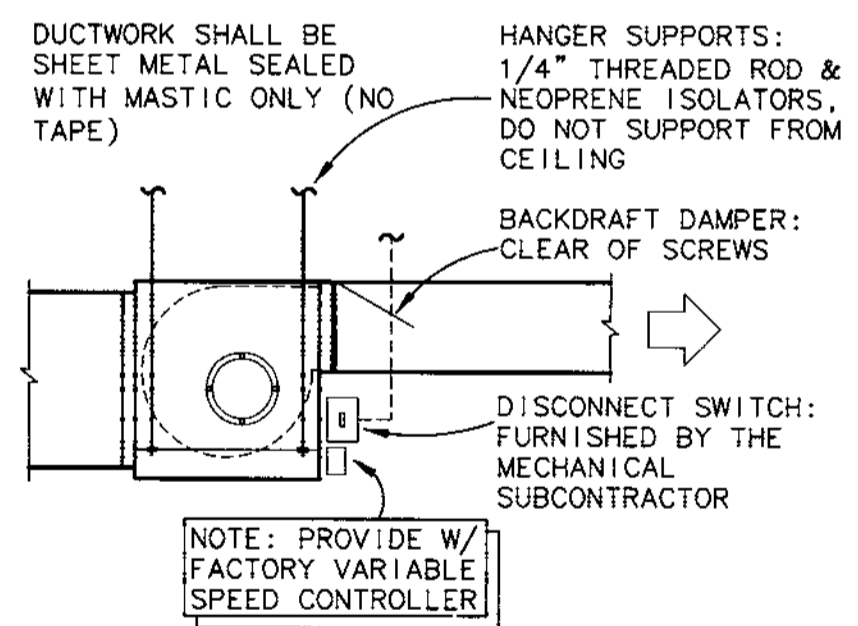
DELETED "AIR TRANSFER DUCT DETAIL"

### EXISTING AIR HANDLER SCHEDULE

UNIT DESIGNATION	AHU-1	AHU-2	AHU-3
AREA SERVED	E SOCIAL HALL	W SOCIAL HALL	CORE/LIBRARY
STATUS	TO REMAIN	TO REMAIN	REMOVE & SCRAP
TRANE MODEL NUMBER-AHU	MCC010	MCC010	MCC012
VOLTAGE	208/3	208/3	208/3
NOMINAL TONS	10	10	12.5
CFM: SUPPLY-NEW	4500	3800	3200
CFM: OUTSIDE AIR-NEW	1000	1000	400
CFM: SUPPLY-OLD	4300	4300	4000
CFM: OUTSIDE AIR-OLD	1425	1425	1650

### EXISTING CONDENSING UNIT SCHEDULE

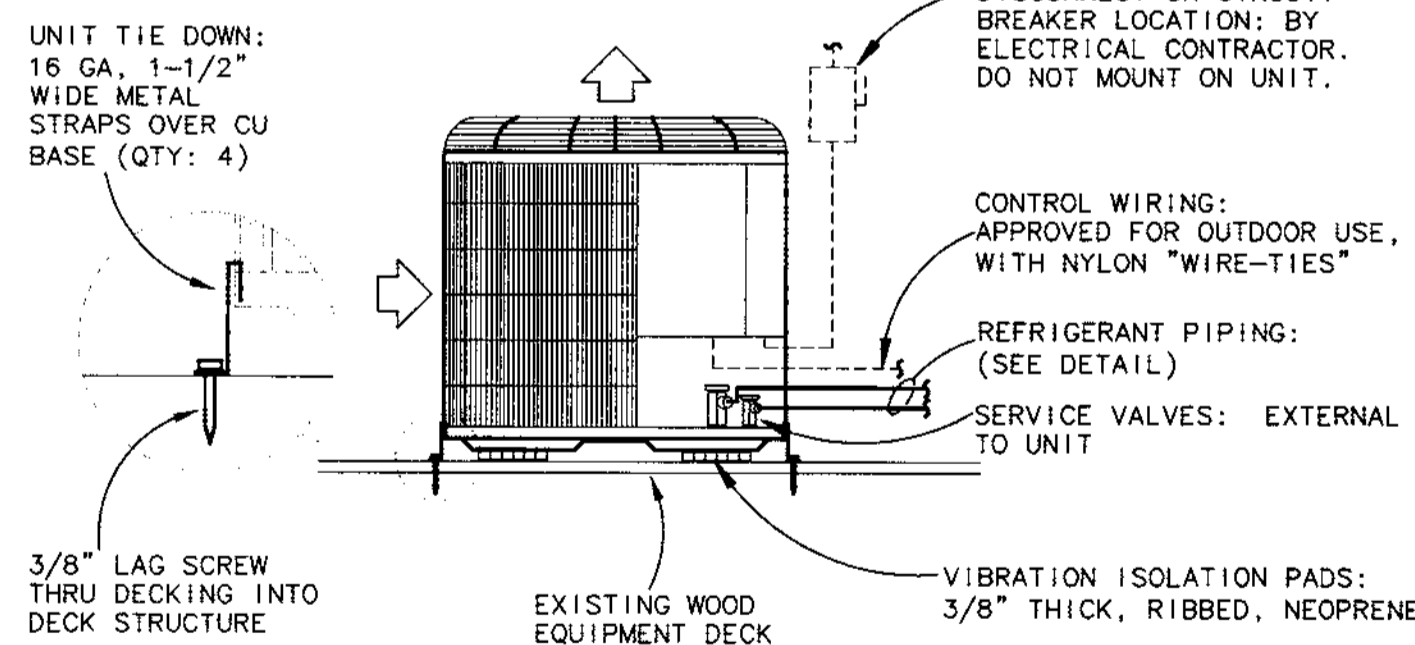
OLD UNIT DESIGNATION	CU-1	CU-2	CU-3
NEW UNIT DESIGNATION	REP. TO AHU-3	TO REMAIN	REP. TO AHU-1
TRANE MODEL NUMBER-CU	TTA120B	TTA120B	TTA150B
ELECTRICAL VOLTAGE	208/3	208/3	208/3
COMPRESSOR QTY/RLA EACH	2/18.7	2/18.7	2/22.0
CONDENSER FAN QTY/FLA EACH	1/6.0	1/6.0	1/6.0
MINIMUM CIRCUIT AMPS	48.1	48.1	55.5
MAXIMUM FUSE AMPS	60	60	70



### EXHAUST FAN DETAIL

DESIGNATION	TEF	BREF
AREA SERVED	RESTROOMS	BREAKROOM
JANITOR		
GREENHECK MODEL #:	CSP-A780	CSP-A290
WEIGHT - LBS	36	21
FAN CAPACITY - CFM	400	200
STATIC PRESSURE *WG	1/2"	3/8"
HPM	1,169	913
SONES	1.6	2.5
MOTOR POWER	405 W	80 W
MOTOR VOLTAGE/PHASE	120/1	120/1
CONTROL VOLTAGE/PHASE	120/1	120/1
INTERLOCK WITH:	EXISTING INTERLOCK	WALL TIMER

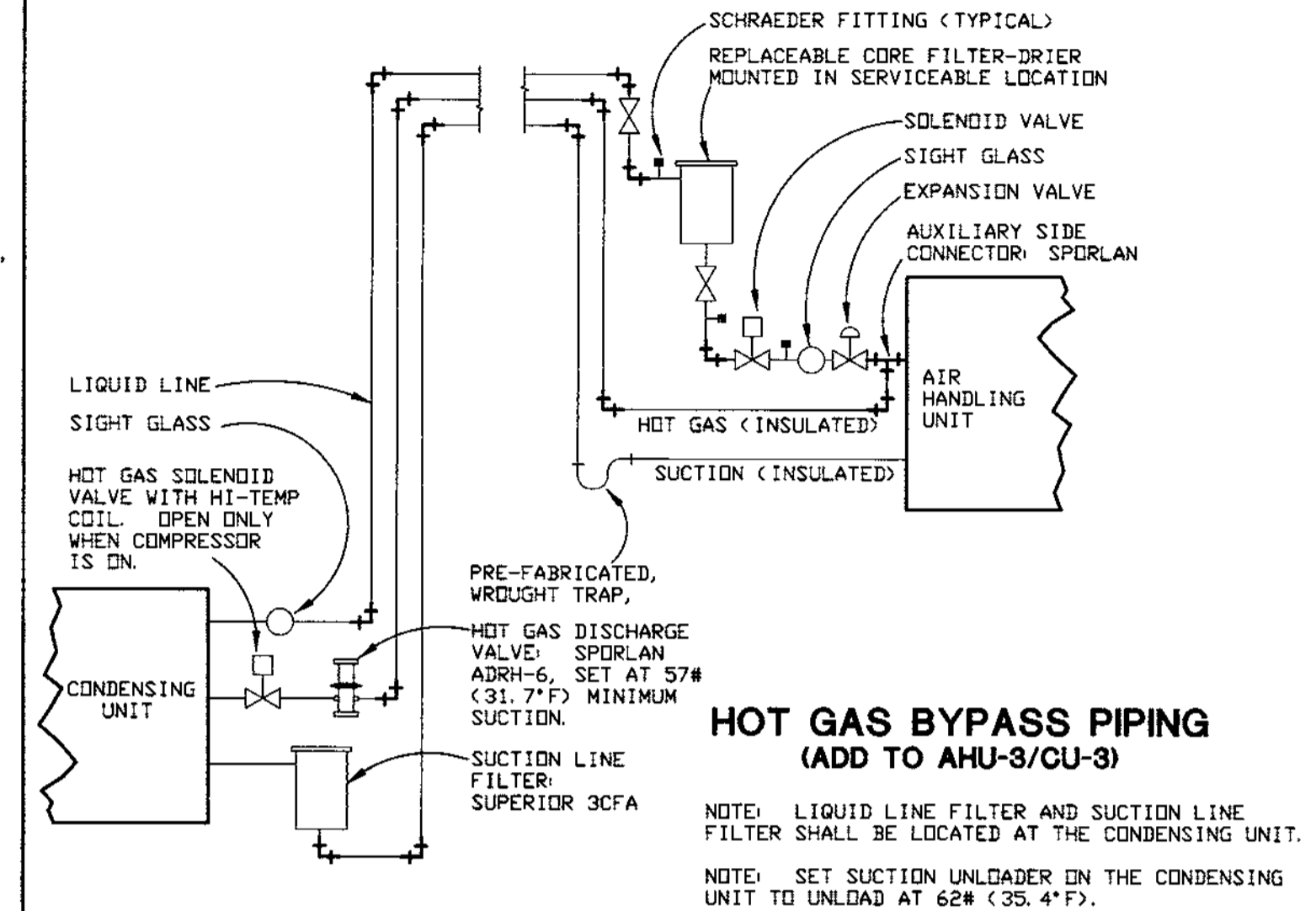
UNIT SHALL BE EQUIPPED WITH:  
ANTI-SHORT CYCLE TIMER  
CRANKCASE HEATER  
EXTENDED 4-YEAR COMPRESSOR WARRANTY  
HIGH PRESSURE SWITCH  
LOW PRESSURE SWITCH



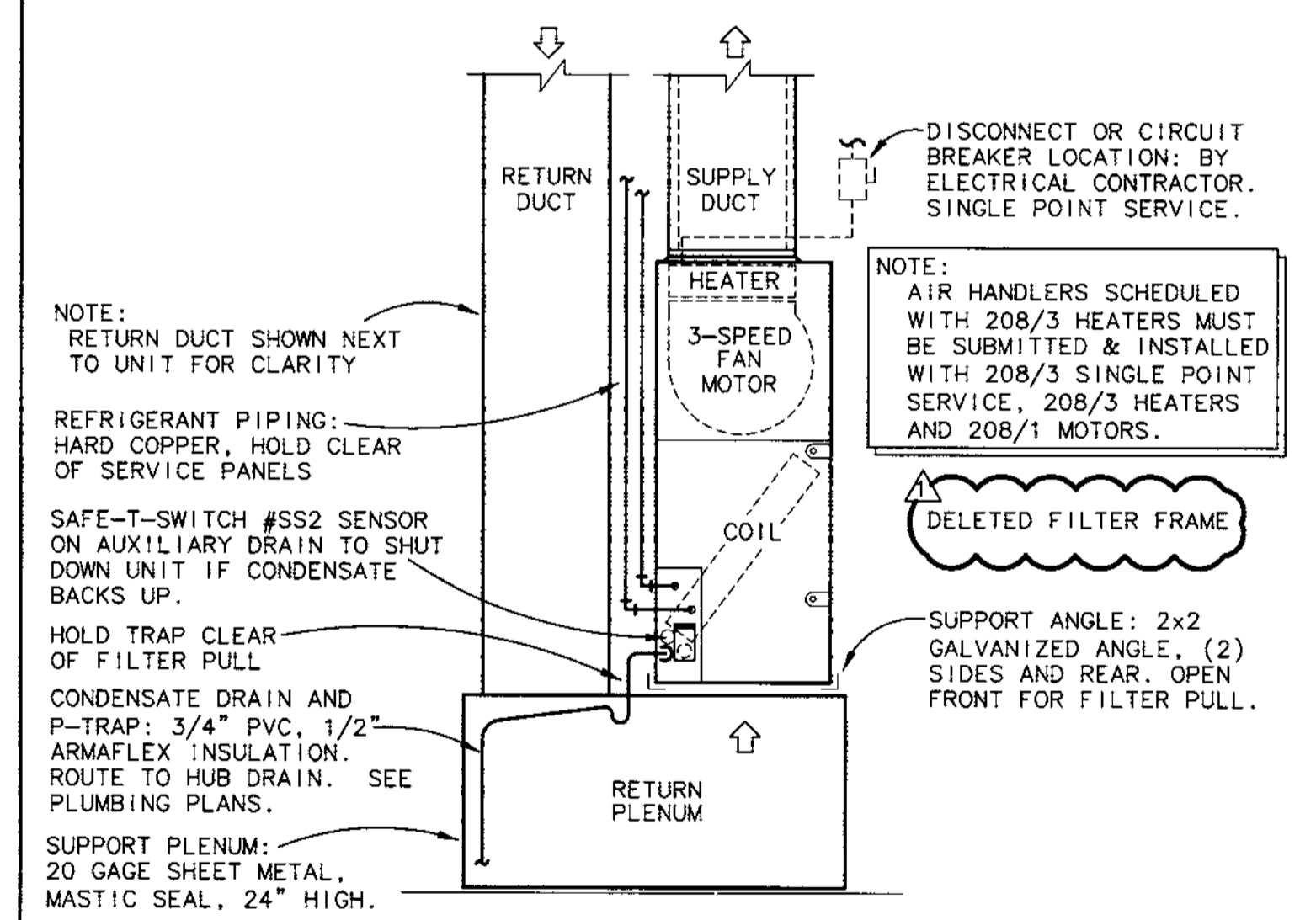
### CONDENSING UNIT DETAIL

DESIGNATION	CU-4	CU-5
STATUS	(NEW)	(EXISTING)
MANUFACTURER	TRANE	TRANE
MODEL NUMBER	2TTA3035	TTB060
WEIGHT - LBS	189	70
NOMINAL TONS	3	5
CAPACITY - TOTAL MBH	34.5	58.5
AMBIENT TEMPERATURE - °F	92	92
ELECTRICAL VOLTAGE	208/3	208/1
COMPRESSOR RLA (1) EA	9.8	29
CONDENSER FAN FLA (1) EA	1.4	1.9
MINIMUM CIRCUIT AMPS	13.0	38
FUSE/CIRCUIT BREAKER AMPS	20	50
SYSTEM SEER:	14	10
REFRIGERANT PIPING SIZES:		
LIQUID	3/8"	3/8"
SUCTION (0-80 FT)	3/4"	1-1/8"

CU-5 WAS REVISED TO REUSE AN EXISTING UNIT INSTEAD OF PROVIDING A NEW UNIT.



### HOT GAS BYPASS PIPING (ADD TO AHU-3/CU-3)



### AIR HANDLING UNIT DETAIL

UNIT DESIGNATION	AHU-4	AHU-5
STATUS	(NEW)	(NEW)
MANUFACTURER	TRANE	TRANE
MODEL NUMBER	2TEC3F36	2TEC3F60
WEIGHT - LBS	125	155
NOMINAL TONS	3	5
TOTAL NET MBH	34.5	58.5
EA DB/WB (°F)	75.7/64.8	74.2/64.1
ELECTRIC HEAT - KW @ 208	7.2	7.2
ELECTRIC HEATER VOLTAGE	208/3	208/3
HEATER AMPS	20.0	20.0
CFM - SUPPLY	1080	1800
CFM - OUTSIDE AIR	200	200
EXTERNAL STATIC PRESSURE	1/2"	1/2"
FAN HORSEPOWER	1/2	3/4
FAN MOTOR VOLTAGE	208/1	208/1
FAN MOTOR FLA	4.1	6.0
SINGLE POINT VOLTAGE	208/3	208/3
MINIMUM CIRCUIT AMPS	37	37
MAXIMUM FUSE AMPS	40	40

REVISED PLANS RECEIVED FEB 07 2008 DEVELOPMENT SERVICES NEIGHBORHOOD SERVICES

FEB 07 2008

M-2

GRAMLICH & ASSOCIATES, P.A.  
RICHARD B. GRAMLICH P.E. No. 30715  
GARY W. GRAMLICH P.E. No. 97409  
JOHN WOOD P.E. No. 97409  
CERTIFICATE OF AUTHORIZATION No. 4726  
13191 STARKEY ROAD, SUITE 17  
LARGO, FLORIDA 33773  
(727) 536-0454 FAX: (727) 530-5931

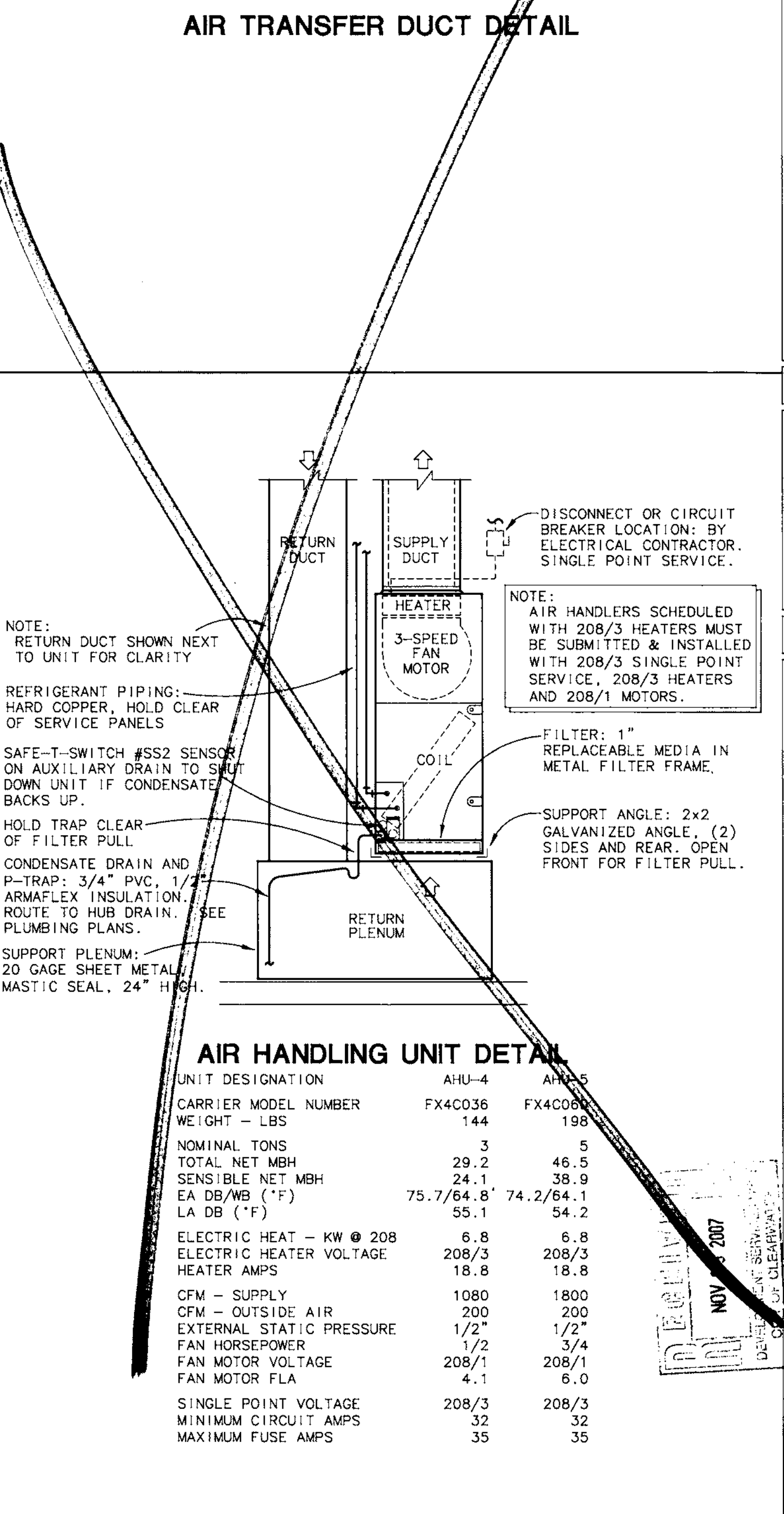
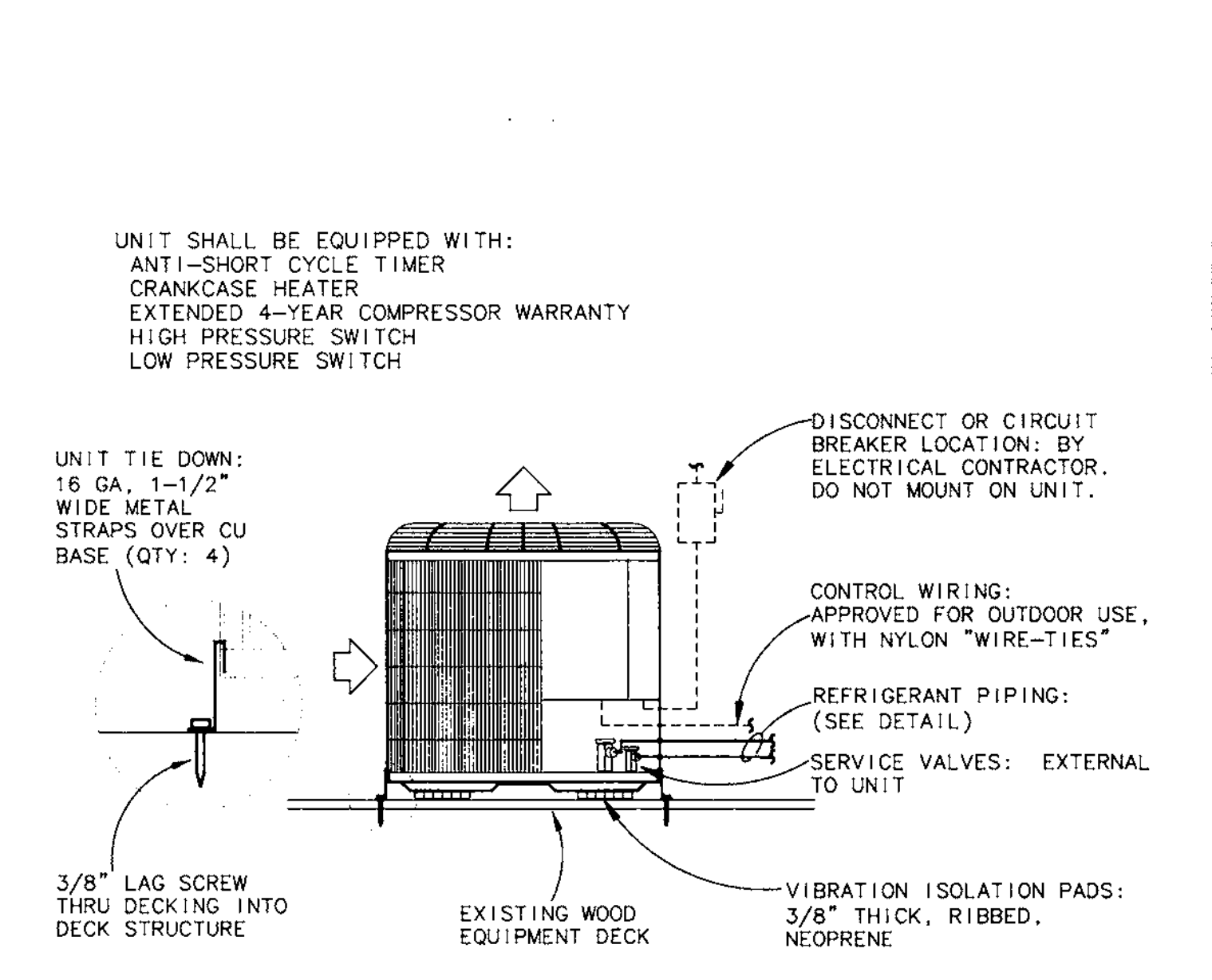
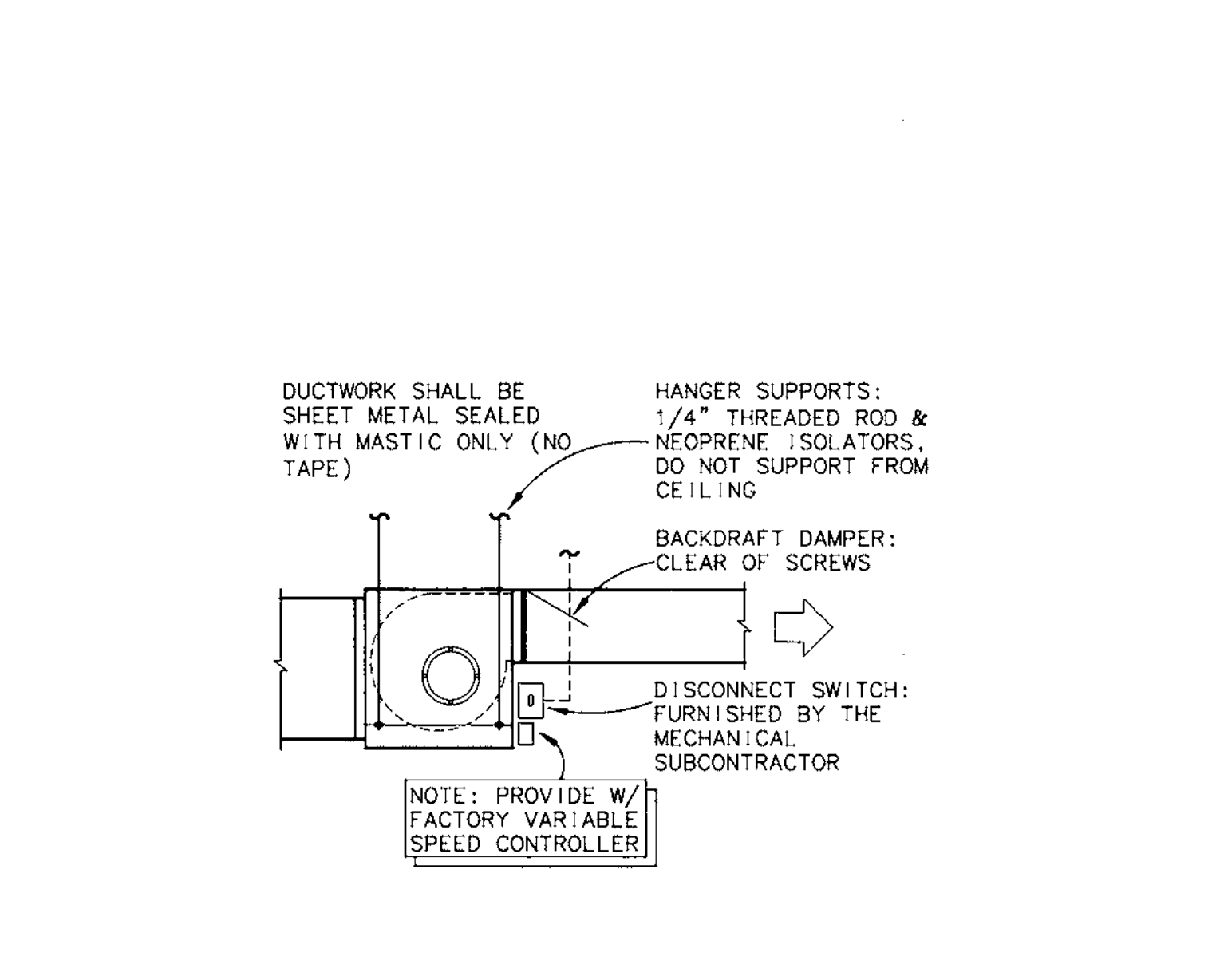
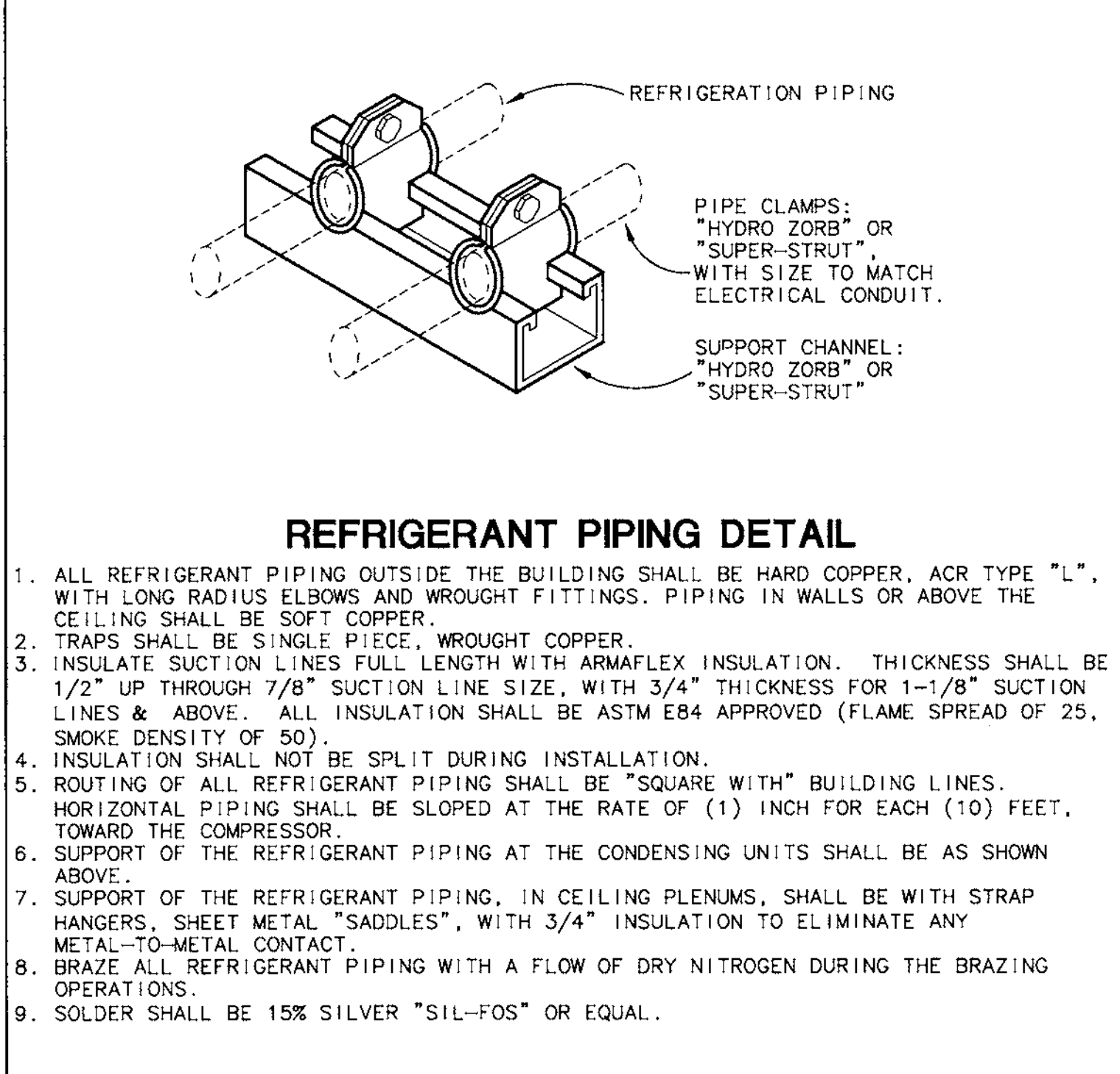
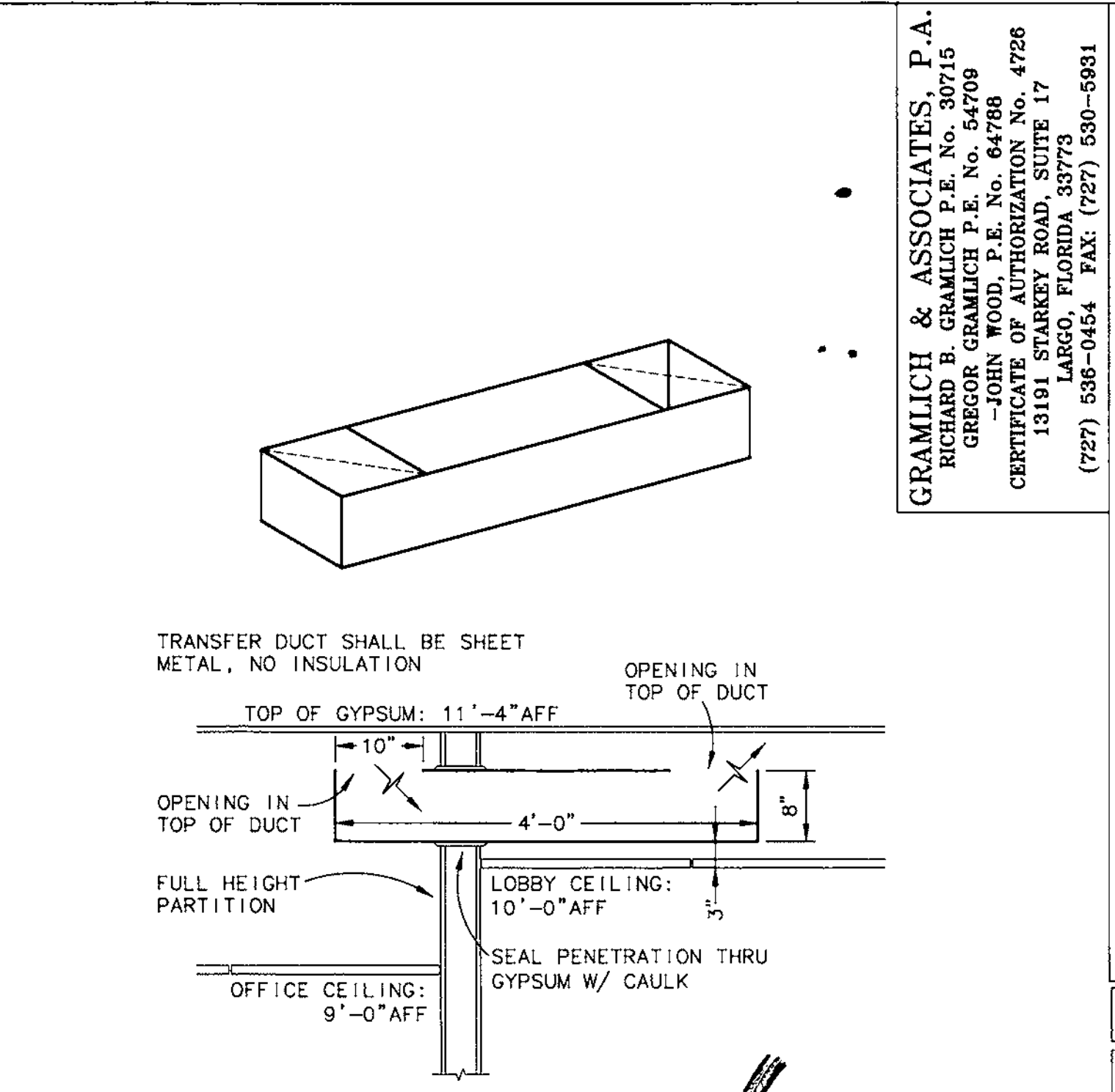
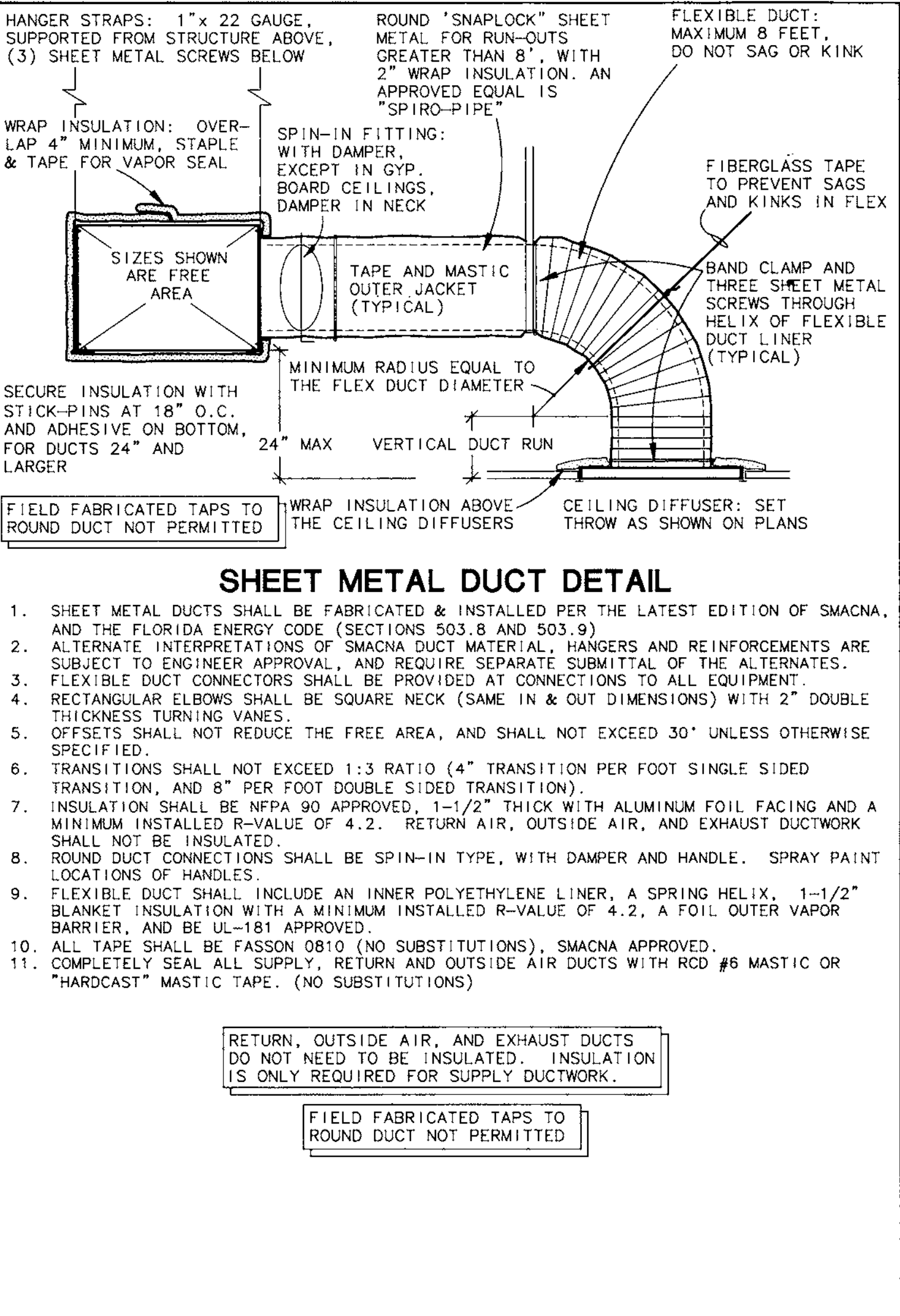
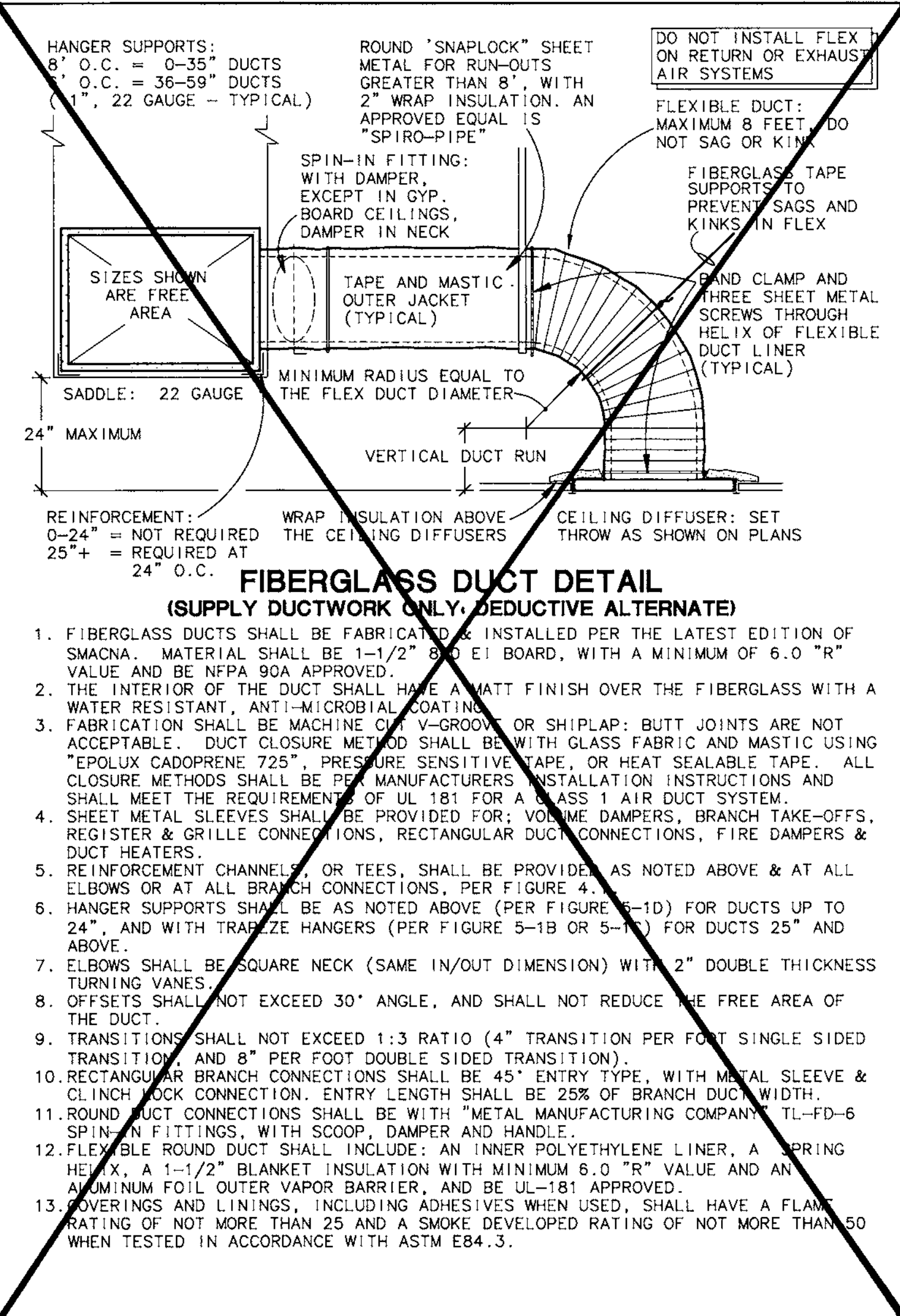
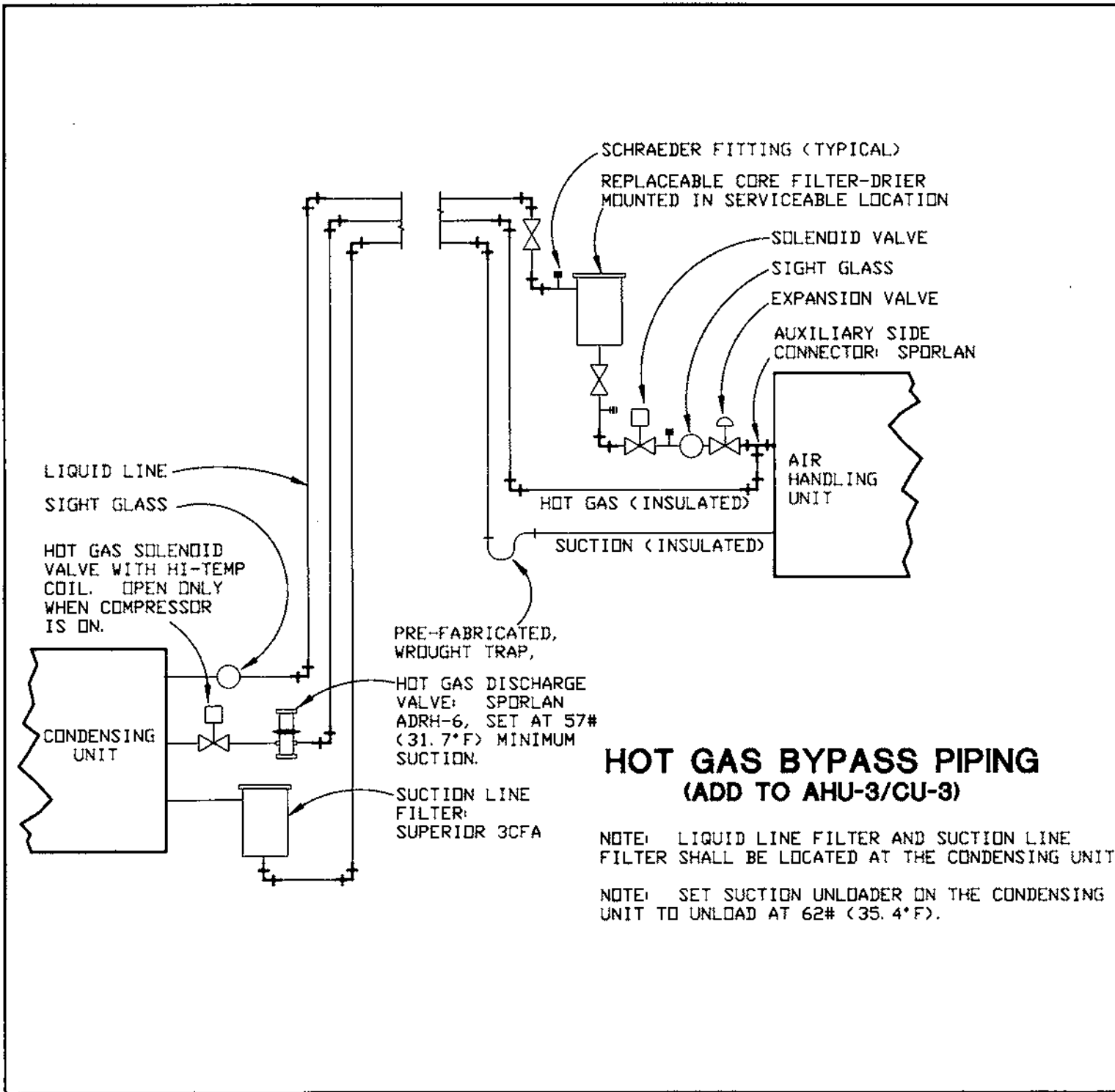
FOWLER ASSOCIATES ARCHITECTS, INC.  
142 COURIER STREET  
CLEARWATER, FLORIDA 34625  
TEL: (727) 449-2028 FAX: (727) 447-5339  
FLORIDA ARCHITECTURAL LICENSE NUMBER: AR-0006441  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER: AR-0006441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: AUC000666

DATE: 11/15/07  
BY: JRW  
REVISION: ADDENDUM 1

DATE: 7 Nov 07  
DRAWN: JRW

Clearwater Beach Library & Recreation Center Consolidation  
60 BAY ESPERANDE  
CLEARWATER, FLORIDA 33767

07-214  
M-2



**EXISTING SPLIT SYSTEM SCHEDULE**

UNIT DESIGNATION	AHU-1/CU-1	AHU-2/CU-2	AHU-3/CU-3
AREA SERVED	E SOCIAL HALL	W SOCIAL HALL	CORE/LIBRARY
STATUS	TO REMAIN	TO REMAIN	TO REMAIN
TRANE MODEL NUMBER-AHU	MCC010	MCC010	MCC012
VOLTAGE	208/3	208/3	208/3
NOMINAL TONS	10	10	12.5
CFM: SUPPLY-NEW	3200	3200	3200
CFM: OUTSIDE AIR-NEW	500	500	400
CFM: SUPPLY-OLD	4300	4300	4000
CFM: OUTSIDE AIR-OLD	1425	1425	1650
TRANE MODEL NUMBER-CU	TTA120	TTA120	TTA150B
ELECTRICAL VOLTAGE	208/3	208/3	208/3
COMPRESSOR QTY/RLA EACH	2/18.7	2/18.7	2/22.0
CONDENSER FAN QTY/FLA EACH	1/6.0	1/6.0	1/6.0
MINIMUM CIRCUIT AMPS	48.1	48.1	55.5
MAXIMUM FUSE AMPS	60	60	70

**EXHAUST FAN DETAIL**

DESIGNATION	TEF	BREF
AREA SERVED	RESTROOMS	BREAKROOM
	JANITOR	
GREENHECK MODEL #: CSP-A780	CSP-A780	CSP-A290
WEIGHT - LBS	36	21
FAN CAPACITY - CFM	400	200
STATIC PRESSURE *WG	1/2"	3/8"
SONES	1.169	0.913
	1.6	2.5
MOTOR POWER	405 W	80 W
MOTOR VOLTAGE/PHASE	120/1	120/1
CONTROL VOLTAGE/PHASE	120/1	120/1
INTERLOCK WITH:	EXISTING INTERLOCK	WALL TIMER

**CONDENSING UNIT DETAIL**

DESIGNATION	CU-4	CU-5
CARRIER MODEL NUMBER	24ACA336	24ACA360
WEIGHT - LBS	166	261
NOMINAL TONS	3	5
CAPACITY - TOTAL MBH	29.2	55.5
AMBIENT TEMPERATURE - °F	92	94
ELECTRICAL VOLTAGE	208/3	208/3
COMPRESSOR RLA (1) EA	9.2	17.7
CONDENSER FAN FLA (1) EA	1.4	1.2
MINIMUM CIRCUIT AMPS	12.9	23.3
FUSE/CIRCUIT BREAKER AMPS	20	40
EER	11.5	11.0
SYSTEM SEER	14	13.2
REFRIGERANT PIPING SIZES:		
LIQUID	3/8"	3/8"
SUCTION (0-80 FT)	3/4"	1-1/8"

**GRAMLICH & ASSOCIATES, P.A.**  
 RICHARD B. GRAMLICH P.E. No. 30715  
 GREGOR GRAMLICH P.E. No. 54706  
 JOHN B. GRAMLICH P.E. No. 54706  
 CERTIFICATE OF AUTHORIZATION NO. 4726  
 13191 STARKER ROAD, SUITE 17  
 LARGO, FLORIDA 33773  
 (727) 596-0454 FAX: (727) 590-5931

**FOWLER ASSOCIATES ARCHITECTS, INC.**

421 COURT STREET, CLEARWATER, FLORIDA 33765 (727) 448-8828 FAX (727) 447-5838  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AC000641  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC00065

BY:

REVISION NO. DATE

DRAWN: JRW DATE: 7 Nov 07

PROJECT NO. 07-214

SHEET NO. M-2

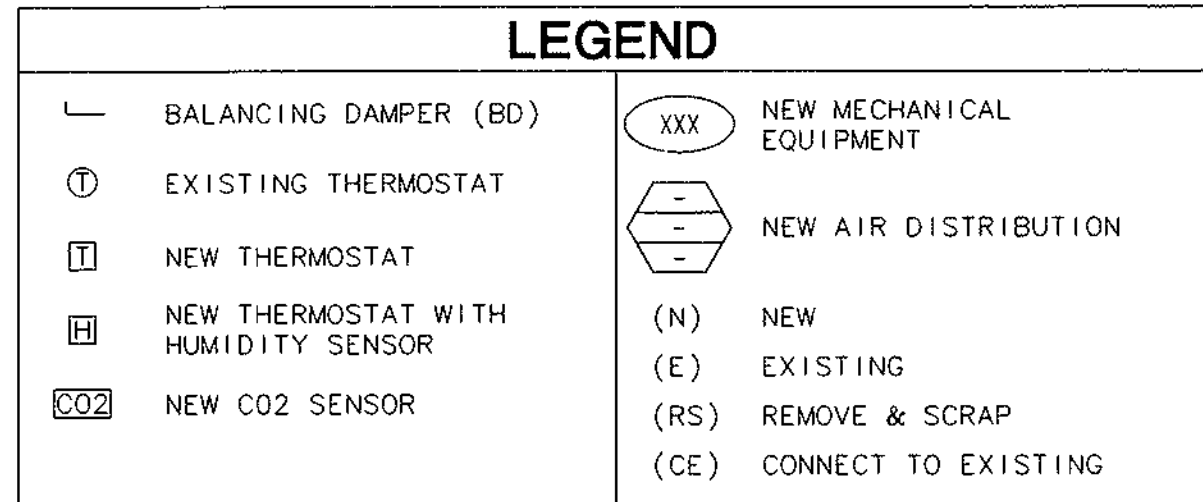
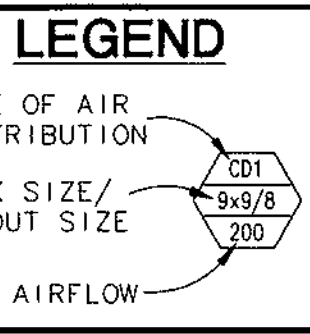
Clearwater Beach Library & Recreation Center Consolidation  
 69 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33767

- ### HVAC GENERAL NOTES
- WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES INCLUDING:
    - 2004 FLORIDA BUILDING CODE WITH 2006 SUPPLEMENTS
    - 2004 FLORIDA MECHANICAL CODE WITH 2006 SUPPLEMENTS
    - 2004 FLORIDA ENERGY CODE WITH 2006 SUPPLEMENTS
    - ALL APPLICABLE NFPA CODES
  - DEFINITIONS: "FURNISH" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE JOBSITE. "INSTALL" SHALL MEAN TO PHYSICALLY INSTALL AN ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL. "PROVIDE" SHALL MEAN TO BOTH FURNISH AND INSTALL AN ITEM.
  - TEST AND BALANCE SHALL BE PERFORMED BY A TEST AND BALANCE AGENCY WHICH IS A MEMBER OF ABC OR NEBB, AND APPROVED BY THE ENGINEER. THE MECHANICAL CONTRACTOR SHALL HAVE ALL SYSTEMS FULLY INSTALLED AND OPERATIONAL, WITH CLEAN FILTERS PRIOR TO TEST AND BALANCE. TEST AND BALANCE SHALL BE PERFORMED WITH ALL AIR HANDLERS RUNNING SIMULTANEOUSLY. THE TEST AND BALANCE COMPANY SHALL VERIFY THAT ALL DAMPERS ARE FULLY OPEN BEFORE ANY BALANCING.

### AIR DISTRIBUTION SCHEDULE

TAG	DESCRIPTION	PRICE MODEL	MOUNTING FRAME	CORE
CD1	CEILING DIFFUSER	APDC	LAY-IN	PERFORATED FACE, ADJUSTABLE CURVED BLADE.
CR2	CEILING DIFFUSER	AMD	SURFACE	EXTRUDED, DIRECTIONAL, FIXED LOUVER, OPPOSED BLADE DAMPER.
SR	SUPPLY REGISTER	620	SURFACE	DOUBLE DEFLECTION, HORIZONTAL REAR BLADES, VERTICAL FRONT BLADES, OPPOSED BLADE DAMPER.
RF1	FILTER-BACK RETURN	630FF	LAY-IN	FIXED LOUVER, 1" FILTER RACK AND HINGED FACE.
RF2	FILTER-BACK RETURN	630FF	SURFACE	FIXED LOUVER, 1" FILTER RACK AND HINGED FACE.
EG1	EXHAUST/TRANSFER GRILLE	APDDR	LAY-IN	PERFORATED FACE.
TG2	TRANSFER GRILLE	630	SURFACE	FIXED LOUVER.
OAG	OUTSIDE AIR GRILLE	630	SURFACE	DEFLECTION, MILL FINISH, PROVIDE 1/2" HARDWARE CLOTH & INSECT SCREEN IN NECK.

NOTES:  
 APPROVED MANUFACTURERS: CARNES, KRUEGER, METALAIR, TITUS AND PRICE.  
 APPROVED MANUFACTURERS OF LOUVERS ARE GREENHECK & RUSKIN.  
 MATCH RUN-OUT SIZE TO NECK SIZE IF NOT NOTED.  
 ALL AIR DISTRIBUTION SHALL INCLUDE: ALUMINUM CONSTRUCTION AND OFF-WHITE COLOR.



- ### HVAC EQUIPMENT
- TRANE IS THE BASE BID FOR THE AIR CONDITIONING EQUIPMENT.
  - ALL AIR CONDITIONING UNITS SHALL INCLUDE A ONE YEAR UNIT WARRANTY AND AN EXTENDED 4-YEAR COMPRESSOR WARRANTY.
  - ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED.
  - ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  - THE AIR CONDITIONING EQUIPMENT SHALL BE OPERATED DURING CONSTRUCTION WITH THROWAWAY FILTERS. FILTERS SHALL BE CHANGED DURING CONSTRUCTION IF THEY BECOME RESTRICTIVE OF AIRFLOW FOR NORMAL OPERATION. PROVIDE REPLACEABLE MEDIA FILTERS, WITH METAL FILTER FRAMES, JUST PRIOR TO TEST AND BALANCE.
  - THE MECHANICAL CONTRACTOR SHALL PREPARE PLANS SHOWING THE LOCATIONS AND SIZES OF ALL WALL PENETRATIONS AND ROOF OPENINGS, FOR USE BY THE GENERAL CONTRACTOR.
  - SUBMITTALS SHALL BE REVIEWED BY THE ELECTRICAL SUBCONTRACTOR, FOR IMPACT ON THE ELECTRICAL, PRIOR TO ORDERING EQUIPMENT. ANY SUBSTITUTED EQUIPMENT SHALL BE PROTECTED BY EITHER FUSES OR AN HACR BREAKER.

- ### EXISTING HVAC EQUIPMENT
- EXISTING AIR HANDLERS AND CONDENSING UNITS SHALL BE TESTED, SERVICED AND CLEANED COMPLETE. TEST AND BALANCE SHALL VERIFY PERFORMANCE. ALL HEATING ELEMENTS SHALL ALSO BE CLEANED. EXISTING DUCTWORK SHALL BE CLEANED INTERNALLY, INSPECTED FOR DAMAGE AND LEAKAGE AND REPAIRED.
  - EXISTING AIR HANDLERS ALL CURRENTLY HAVE STANDING WATER IN THE PRIMARY DRAIN PAN, AND LEAKAGE INTO THE SECONDARY PAN. THE SOURCE OR SOURCES OF THE PROBLEM SHALL BE DETERMINED AND FIXED. DRAIN PANS SHALL BE CLEANED AND REPAIRED OR REPLACED AS NEEDED.

- ### HVAC CONTROLS
- ALL CONTROLS WORK SHALL BE A SEPARATE BID BY "ABC CONTROLS". ALL NEW AND EXISTING THERMOSTATS SHALL BE TIED INTO EXISTING DDC REMOTE CONTROL SYSTEM.
  - ALL EXISTING CONTROLS, DAMPERS, SENSORS & THERMOSTATS SHALL BE TESTED AND REPAIRED OR REPLACED AS NEEDED.
  - EXISTING AIR HANDLERS AHU-1 & AHU-2 SHALL BE RETROFITTED WITH MODULATING CO2 OUTSIDE AIR CONTROLS. NEW CO2 SENSORS SHALL BE PROVIDED OUTSIDE AND IN THE RETURN DUCTWORK. EXISTING OUTSIDE AIR MOTORIZED DAMPERS MAY BE REUSED. CO2 CONTROLS SHALL BE MONITORED BY THE DDC SYSTEM.
    - THE MINIMUM DAMPER POSITION SHALL BE 100% CLOSED. THE OUTSIDE AIR MOTORIZED DAMPER SHALL BE CLOSED WHEN THE RETURN AIR CO2 LEVEL IS THE SAME AS THE OUTSIDE AIR CO2 LEVEL.
    - THE MAXIMUM DAMPER POSITION SHALL BE 100% OPEN. A MANUAL BALANCING DAMPER SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR DOWNSTREAM OF THE CONTROL DAMPER. THIS MANUAL DAMPER SHALL BE SET BY TEST AND BALANCE FOR THE SCHEDULED OUTSIDE AIR QUANTITY. THE OUTSIDE AIR MOTORIZED DAMPER SHALL BE IN THE MAXIMUM POSITION WHEN THE RETURN AIR CO2 LEVEL IS 800 PPM GREATER THAN THE OUTSIDE AIR CO2 LEVEL.
  - PROVIDE NEW THERMOSTATS FOR ALL AIR HANDLERS. THESE THERMOSTATS SHALL BE DDC, WITH A DIGITAL DISPLAY AND TIME LIMITED MANUAL SETPOINT OVERRIDE WITHIN A SPECIFIED OFFSET. ALL THERMOSTATS SHALL BE MOUNTED 48" AFF.
  - LOW VOLTAGE (24V) CONTROL WIRING SHALL BE PROVIDED BY THE CONTROLS SUBCONTRACTOR, WHO SHALL SUBCONTRACT WITH THE ELECTRICAL SUBCONTRACTOR TO PROVIDE CONDUIT FOR ALL CONTROL WIRING, AS COORDINATED W/ THE MECHANICAL SUBCONTRACTOR. ALL CONDUIT SHALL BE RUN SQUARE WITH BUILDING LINES.
  - LINE VOLTAGE (120V AND HIGHER) CONTROL AND POWER WIRING AND CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL SUBCONTRACTOR.
  - THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE ALL DISCONNECT SWITCHES.

- ### DEMOLITION NOTES
- REMOVE AND SCRAP OUTSIDE AIR UNIT INCLUDING DESICCANT UNIT, CONDENSING UNIT, COOLING COIL AND EXTERNAL DUCTWORK. GC SHALL REPAIR SIDING.
  - REMOVE AND SCRAP ALL UNUSED DUCTWORK DUCTWORK AS SHOWN ON PLAN.
  - REMOVE AND SCRAP EXHAUST FANS AND UNUSED DUCTWORK.

### OUTSIDE AIR ALLOCATION

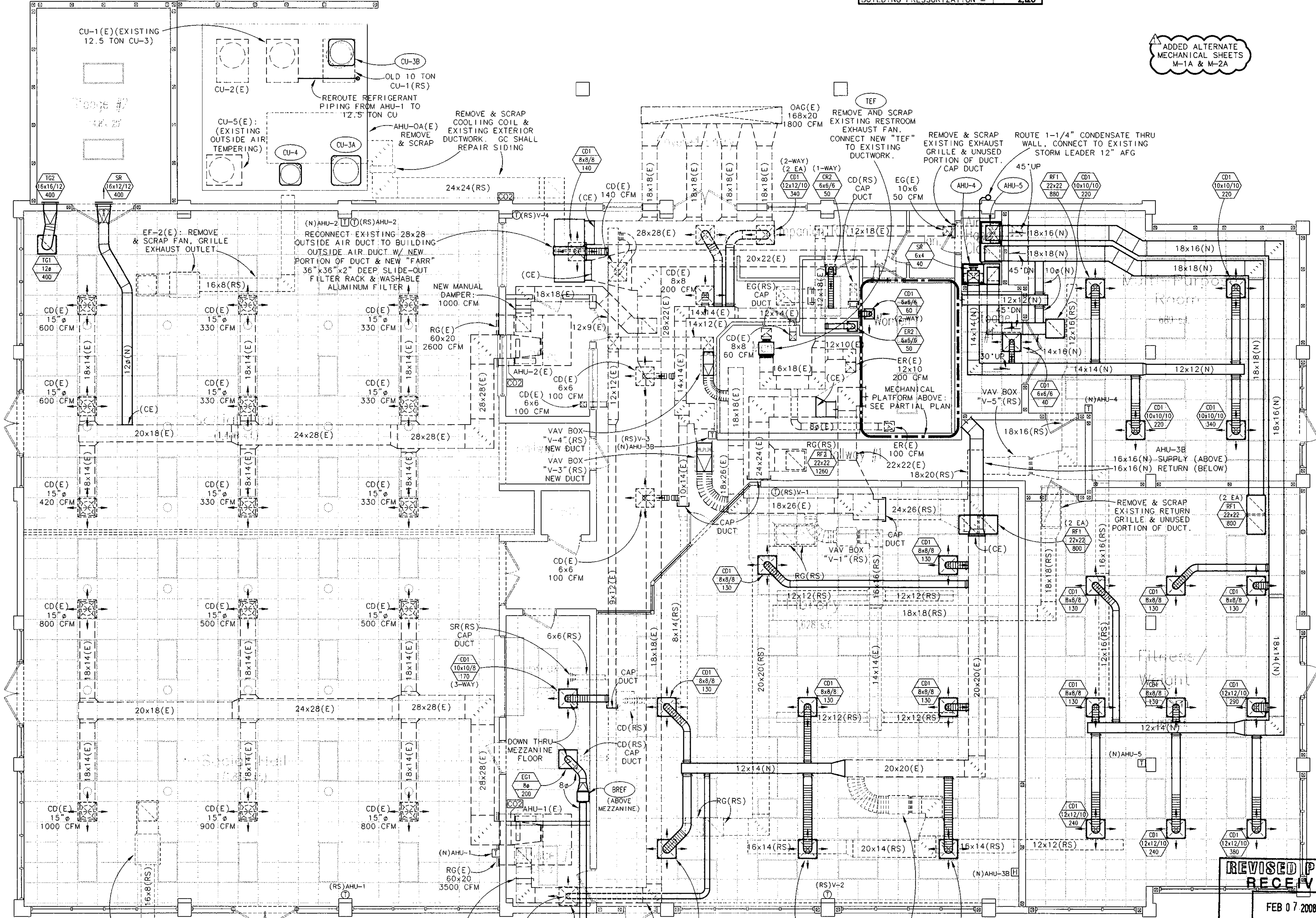
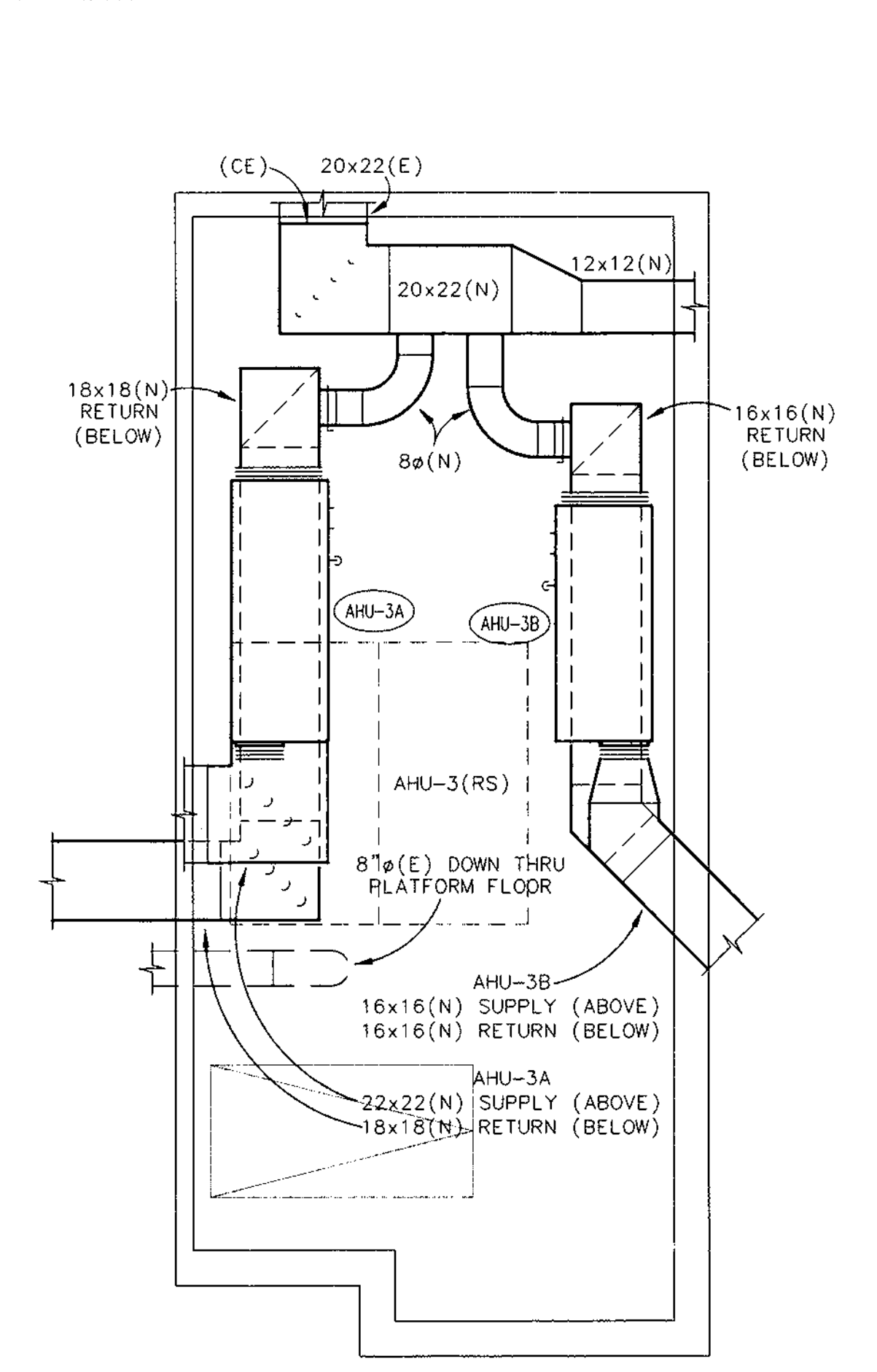
SOURCE	PEOPLE	CFM/PERSON	TIME FACTOR	CFM REQUIRED	DESIGN
AHU-1 SOCIAL HALL EAST	99	20	50%	990	1,000
AHU-2 SOCIAL HALL WEST	99	20	50%	990	1,000
AHU-3A COMMON AREA	7	20	100%	140	140
AHU-3B LIBRARY	9	20	100%	180	180
AHU-4 MULTI-PURPOSE ROOM	20	20	50%	200	200
AHU-5 FITNESS/WEIGHTS	10	20	100%	200	200
<b>TOTAL</b>				<b>2,700</b>	<b>2,720</b>

### BUILDING AIR BALANCE

OUTSIDE AIR INTO BUILDING		EXHAUST AIR	
SOURCE	CFM	SOURCE	CFM
AHU-1 SOCIAL HALL EAST	1,000	EF-1 RESTROOM, JANITOR	400
AHU-2 SOCIAL HALL WEST	1,000		200
AHU-3A COMMON AREA	140		
AHU-3B LIBRARY	180		
AHU-4 MULTI-PURPOSE ROOM	200		
AHU-5 FITNESS/WEIGHTS	200		
<b>TOTALS</b>	<b>2,720</b>		<b>600</b>
<b>BUILDING PRESSURIZATION = 2,120</b>			

GRAMLICH & ASSOCIATES, P.A.  
 RICHARD B. GRAMLICH P.E. No. 30715  
 GREGORY B. GRAMLICH P.E. No. 54709  
 CERTIFICATE OF AUTHORIZATION No. 4726  
 13191 STARKEY ROAD, SUITE 17  
 LARGO, FLORIDA 33773  
 (727) 596-0454 FAX: (727) 590-5931

FOWLER ASSOCIATES, INC.  
 ARCHITECTS, INC.  
 1421 COURT STREET, CLEARWATER, FLORIDA 33765  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-0006441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC00065

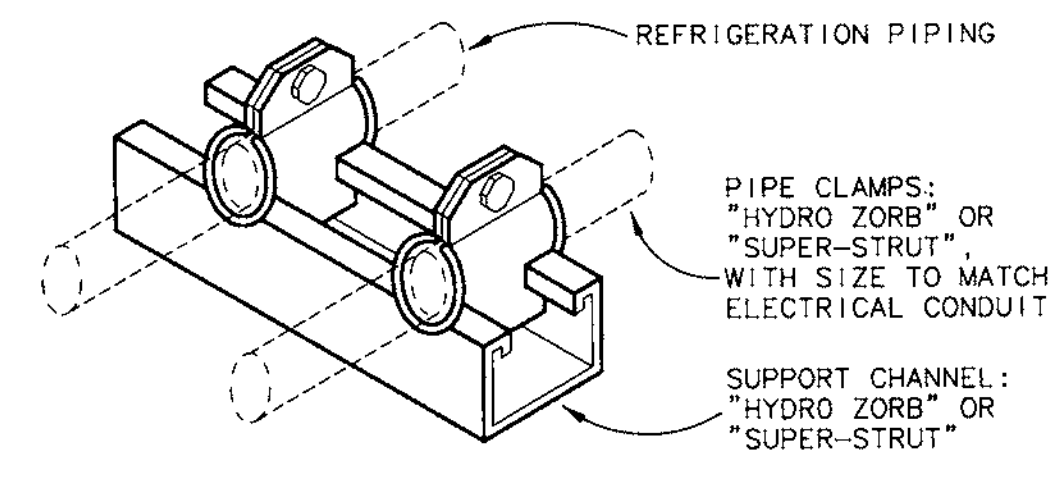


ADDED ALTERNATE MECHANICAL SHEETS M-1A & M-2A

DATE: 11/15/07  
 DRAWN: JRW  
 DATE: 7 Nov 07  
 REVISION: 1  
 ADDENDUM: 1

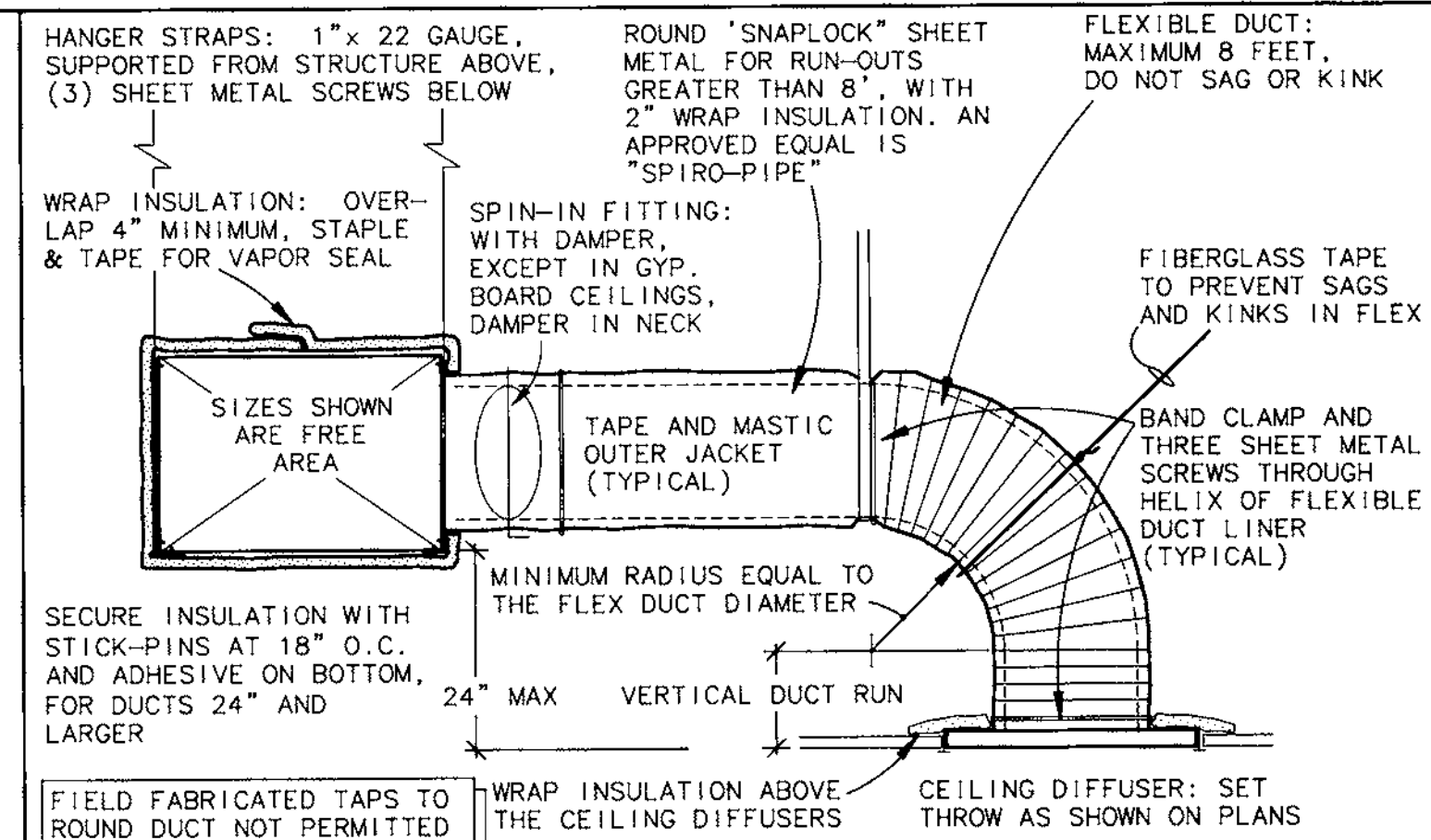
REVISOR: JRW  
 DATE: 07-214  
 FEB 07 2008  
 DEVELOPMENT & NEIGHBORHOOD SERVICES  
 CITY OF CLEARWATER  
 M-1A

Clearwater Beach Library & Recreation Center Consolidation  
 68 BAY ESPRANOE  
 CLEARWATER, FLORIDA 33767



### REFRIGERANT PIPING DETAIL

1. ALL REFRIGERANT PIPING OUTSIDE THE BUILDING SHALL BE HARD COPPER, ACR TYPE "L", WITH LONG RADIUS ELBOWS AND WROUGHT FITTINGS. PIPING IN WALLS OR ABOVE THE CEILING SHALL BE SOFT COPPER.
2. TRAPS SHALL BE SINGLE PIECE, WROUGHT COPPER.
3. INSULATE SUCTION LINES FULL LENGTH WITH ARMAFLEX INSULATION. THICKNESS SHALL BE 1/2" UP THROUGH 7/8" SUCTION LINE SIZE, WITH 3/4" THICKNESS FOR 1-1/8" SUCTION LINES & ABOVE. ALL INSULATION SHALL BE ASTM E84 APPROVED (FLAME SPREAD OF 25, SMOKE DENSITY OF 50).
4. INSULATION SHALL NOT BE SPLIT DURING INSTALLATION.
5. ROUTING OF ALL REFRIGERANT PIPING SHALL BE "SQUARE WITH" BUILDING LINES. HORIZONTAL PIPING SHALL BE SLOPED AT THE RATE OF (1) INCH FOR EACH (10) FEET, TOWARD THE COMPRESSOR.
6. SUPPORT OF THE REFRIGERANT PIPING AT THE CONDENSING UNITS SHALL BE AS SHOWN ABOVE.
7. SUPPORT OF THE REFRIGERANT PIPING, IN CEILING PLENUMS, SHALL BE WITH STRAP HANGERS, SHEET METAL "SADDLES", WITH 3/4" INSULATION TO ELIMINATE ANY METAL-TO-METAL CONTACT.
8. BRAZE ALL REFRIGERANT PIPING WITH A FLOW OF DRY NITROGEN DURING THE BRAZING OPERATIONS.
9. SOLDER SHALL BE 15% SILVER "SIL-FOS" OR EQUAL.



### SHEET METAL DUCT DETAIL

1. SHEET METAL DUCTS SHALL BE FABRICATED & INSTALLED PER THE LATEST EDITION OF SMACNA, AND THE FLORIDA ENERGY CODE (SECTIONS 503.8 AND 503.9)
2. ALTERNATE INTERPRETATIONS OF SMACNA DUCT MATERIAL, HANGERS AND REINFORCEMENTS ARE SUBJECT TO ENGINEER APPROVAL, AND REQUIRE SEPARATE SUBMITTAL OF THE ALTERNATES.
3. FLEXIBLE DUCT CONNECTORS SHALL BE PROVIDED AT CONNECTIONS TO ALL EQUIPMENT.
4. RECTANGULAR ELBOWS SHALL BE SQUARE NECK (SAME IN & OUT DIMENSIONS) WITH 2" DOUBLE THICKNESS TURNING VANES.
5. OFFSETS SHALL NOT REDUCE THE FREE AREA, AND SHALL NOT EXCEED 30° UNLESS OTHERWISE SPECIFIED.
6. TRANSITIONS SHALL NOT EXCEED 1:3 RATIO (4" TRANSITION PER FOOT SINGLE SIDED TRANSITION, AND 8" PER FOOT DOUBLE SIDED TRANSITION).
7. INSULATION SHALL BE NFPA 90 APPROVED, 1-1/2" THICK WITH ALUMINUM FOIL FACING AND A MINIMUM INSTALLED R-VALUE OF 4.2. RETURN AIR, OUTSIDE AIR, AND EXHAUST DUCTWORK SHALL NOT BE INSULATED.
8. ROUND DUCT CONNECTIONS SHALL BE SPIN-IN TYPE, WITH DAMPER AND HANDLE. SPRAY PAINT LOCATIONS OF HANDLES.
9. FLEXIBLE DUCT SHALL INCLUDE AN INNER POLYETHYLENE LINER, A SPRING HELIX, 1-1/2" BLANKET INSULATION WITH A MINIMUM INSTALLED R-VALUE OF 4.2, A FOIL OUTER VAPOR BARRIER, AND BE UL-181 APPROVED.
10. ALL TAPE SHALL BE FASSON 0B10 (NO SUBSTITUTIONS), SMACNA APPROVED.
11. COMPLETELY SEAL ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTS WITH RCD #6 MASTIC OR "HARDCAST" MASTIC TAPE. (NO SUBSTITUTIONS)

RETURN, OUTSIDE AIR, AND EXHAUST DUCTS DO NOT NEED TO BE INSULATED. INSULATION IS ONLY REQUIRED FOR SUPPLY DUCTWORK.

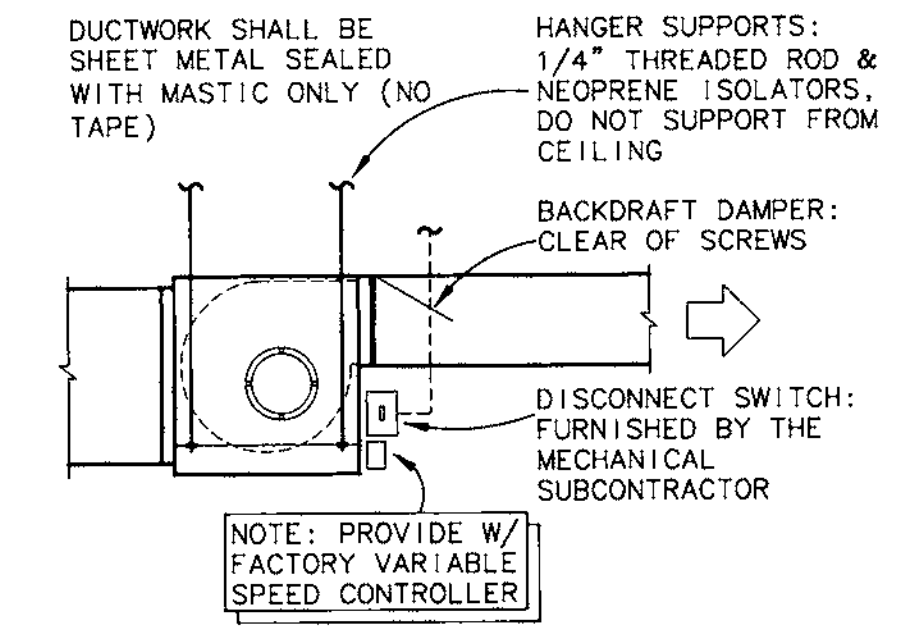
FIELD FABRICATED TAPS TO ROUND DUCT NOT PERMITTED

### EXISTING AIR HANDLER SCHEDULE

UNIT DESIGNATION	AHU-1	AHU-2	AHU-3
AREA SERVED	E SOCIAL HALL	W SOCIAL HALL	CORE/LIBRARY
STATUS	TO REMAIN	TO REMAIN	REMOVE & SCRAP
TRANE MODEL NUMBER-AHU	MCC010	MCC010	MCC012
VOLTAGE	208/3	208/3	208/3
NOMINAL TONS	10	10	12.5
CFM: SUPPLY-NEW	4500	3600	-
CFM: OUTSIDE AIR-NEW	1000	1000	-
CFM: SUPPLY-OLD	4300	4300	4000
CFM: OUTSIDE AIR-OLD	1425	1425	1650

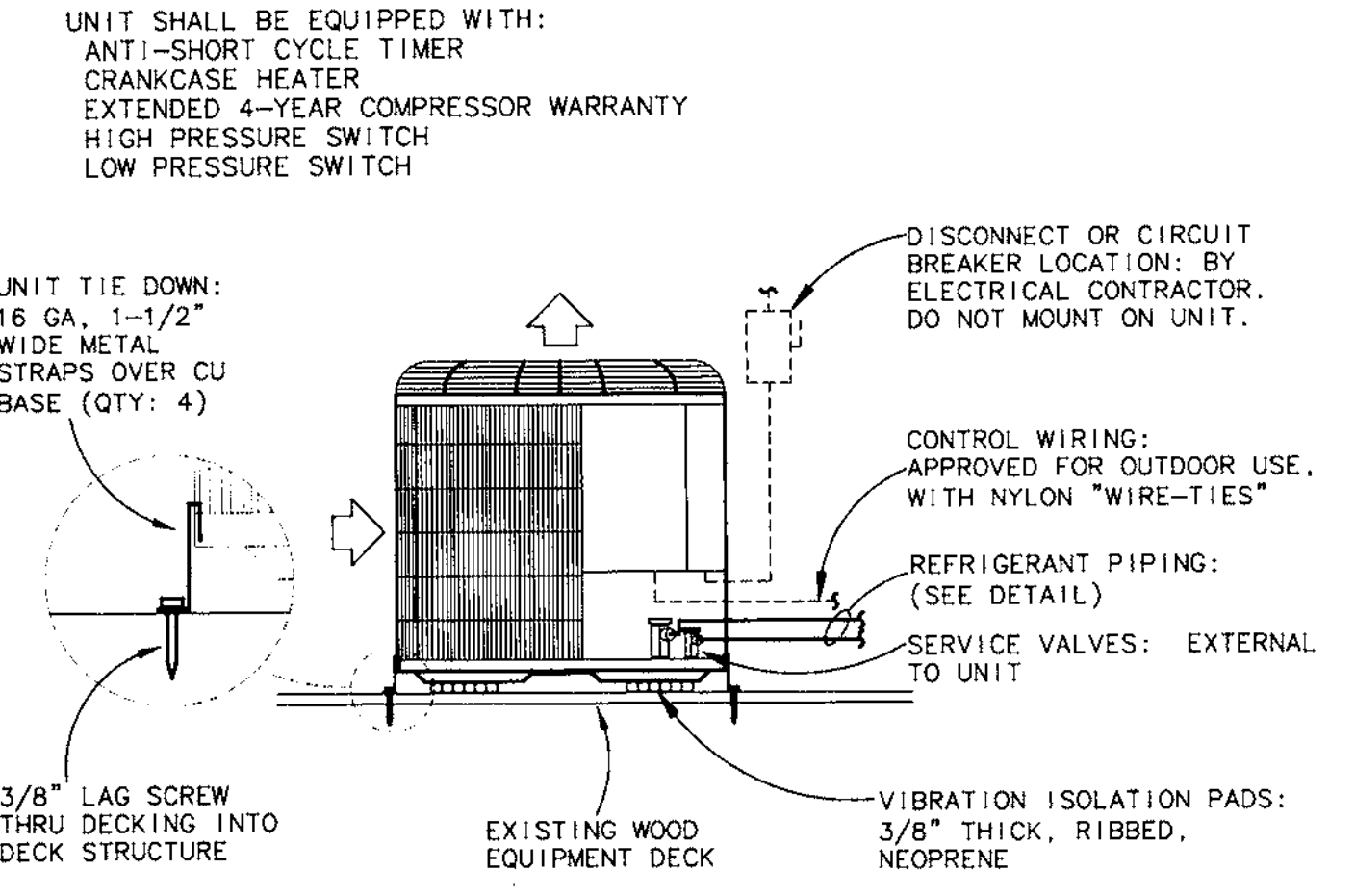
### EXISTING CONDENSING UNIT SCHEDULE

OLD UNIT DESIGNATION	CU-1	CU-2	CU-3
NEW UNIT DESIGNATION	-	CU-2	CU-1
STATUS	REMOVE & SCRAP	TO REMAIN	REPEI TO AHU-1
TRANE MODEL NUMBER-CU	TTA120B	TTA120B	TTA150B
ELECTRICAL VOLTAGE	208/3	208/3	208/3
COMPRESSOR QTY/RLA EACH	2/18.7	2/18.7	2/22.0
CONDENSER FAN QTY/FLA EACH	1/6.0	1/6.0	1/6.0
MINIMUM CIRCUIT AMPS	48.1	48.1	55.5
MAXIMUM FUSE AMPS	60	60	70



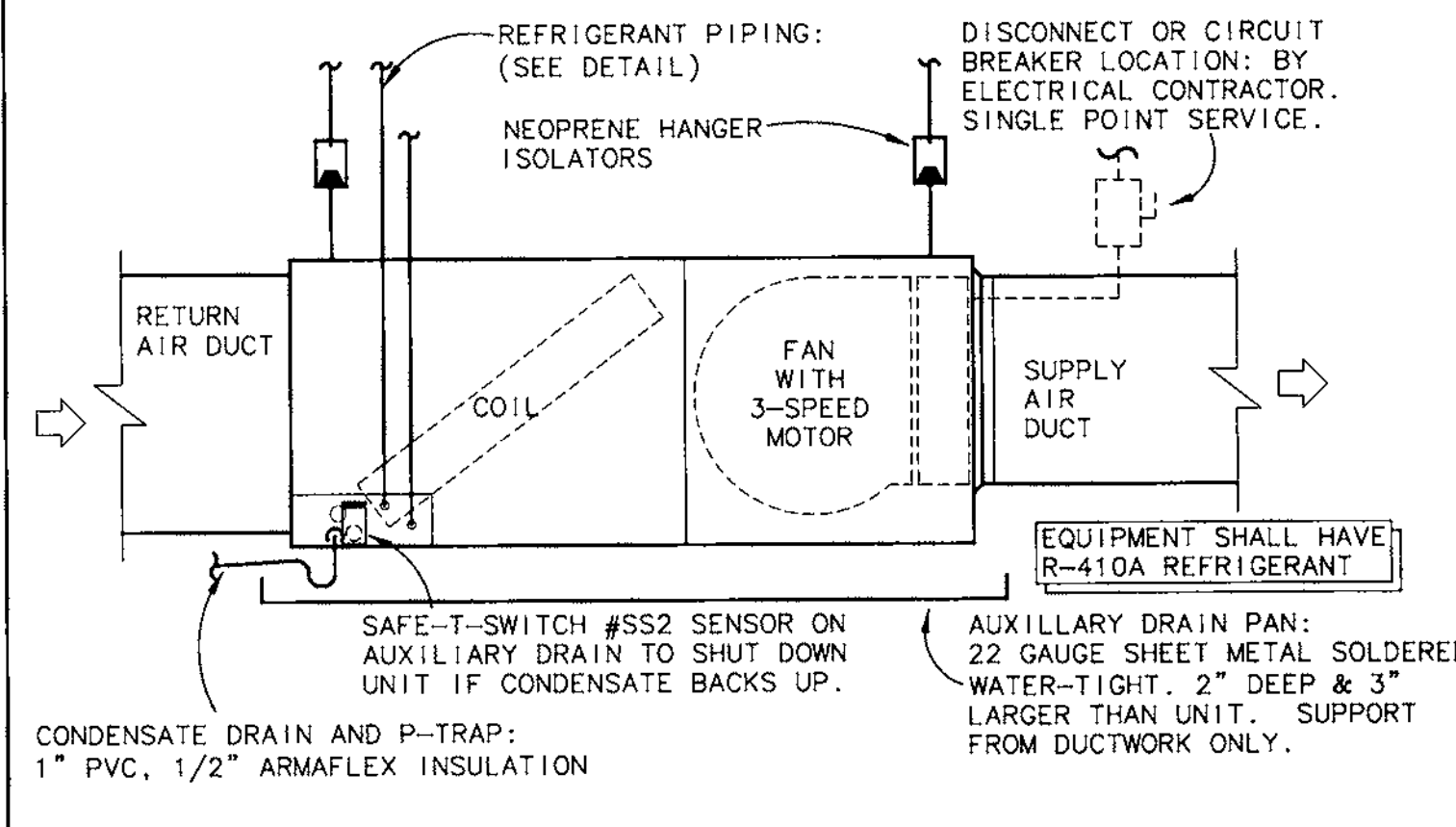
### EXHAUST FAN DETAIL

DESIGNATION	TEF (NEW)	BREF (NEW)
STATUS	RESTROOMS JANITOR	BREAKROOM
AREA SERVED		
GREENHECK MODEL #:	CSP-A780	CSP-A290
WEIGHT - LBS	36	21
FAN CAPACITY - CFM	400	200
STATIC PRESSURE "WG	1/2"	3/8"
RPM	1,169	913
SONES	1.6	2.5
MOTOR POWER	405 W	80 W
MOTOR VOLTAGE/PHASE	120/1	120/1
CONTROL VOLTAGE/PHASE	120/1	120/1
INTERLOCK WITH:	EXISTING INTERLOCK	WALL TIMER

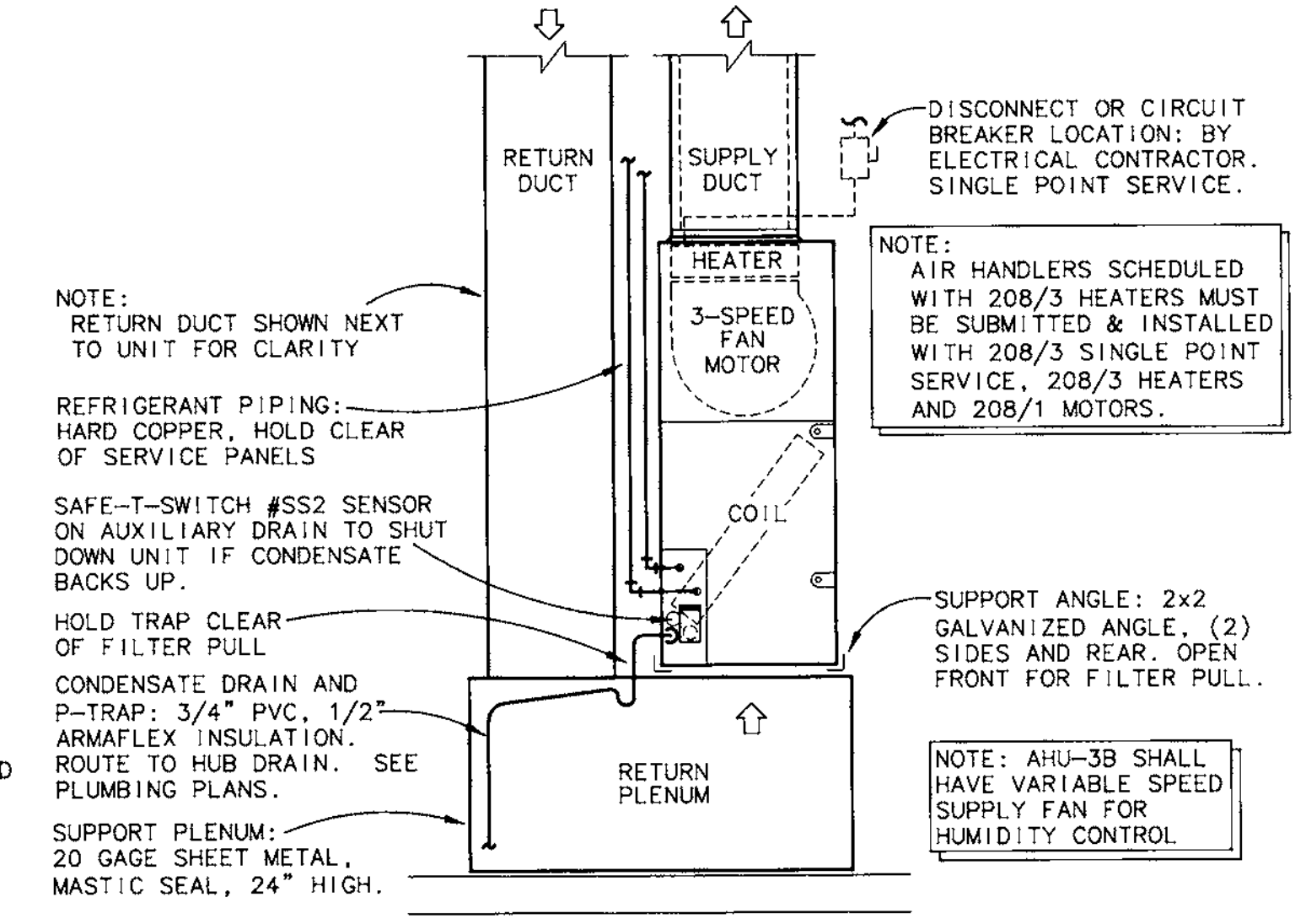


### CONDENSING UNIT DETAIL

DESIGNATION	CU-3A (NEW)	CU-3B (NEW)	CU-4 (NEW) (EXISTING)	CU-5 (NEW)
STATUS	RESTROOMS	RESTROOMS	RESTROOMS	BREAKROOM
MANUFACTURER	TRANE	TRANE	TRANE	TRANE
MODEL NUMBER	2TTA3060	2TTA3048	2TTA3036	TTB060
WEIGHT - LBS	260	287	189	-
NOMINAL TONS	5	4	3	5
CAPACITY - TOTAL MBH	58.5	45.0	34.5	58.5
AMBIENT TEMPERATURE - °F	92	92	92	92
ELECTRICAL VOLTAGE	208/3	208/3	208/3	208/1
COMPRESSOR RLA (1) EA	17.3	11.6	9.6	29
CONDENSER FAN FLA (1) EA	1.2	1.4	1.4	1.9
MINIMUM CIRCUIT AMPS	23.0	16.0	13.0	38
FUSE/CIRCUIT BREAKER AMPS	40	25	20	50
SYSTEM SEER:	13.2	13.5	14	10
REFRIGERANT PIPING SIZES:				
LIQUID	3/8"	3/8"	3/8"	3/8"
SUCTIION (0-80 FT)	1-1/8"	7/8"	3/4"	1-1/8"



### (AHU-3B, AHU-3B)



### (AHU-4, AHU-5)

### AIR HANDLING UNIT DETAIL

UNIT DESIGNATION	AHU-3A (NEW)	AHU-3B (NEW)	AHU-4 (NEW)	AHU-5 (NEW)
STATUS	RESTROOMS	RESTROOMS	RESTROOMS	BREAKROOM
MANUFACTURER	TRANE	TRANE	TRANE	TRANE
MODEL NUMBER	2TEC3F80	2TEE3F48	2TEC3F36	2TEC3F60
WEIGHT - LBS	155	151	125	155
NOMINAL TONS	5	4	3	5
TOTAL NET MBH	58.5	45.0	34.5	58.5
EA DB/WB (°F)	73.6/62.7	74.5/62.1	75.7/64.8	74.2/64.1
ELECTRIC HEAT - KW @ 208	11.3	7.2	7.2	7.2
ELECTRIC HEATER VOLTAGE	208/3	208/3	208/3	208/3
HEATER AMPS	31.3	20.0	20.0	20.0
CFM - SUPPLY	1800	1440	1080	1800
CFM - OUTSIDE AIR	140	180	200	200
EXTERNAL STATIC PRESSURE	1/2"	1/2"	1/2"	1/2"
FAN HORSEPOWER	3/4	1/2	1/2	3/4
FAN MOTOR VOLTAGE	208/1	208/1	208/1	208/1
FAN MOTOR FLA	6.0	4.1	4.1	6.0
SINGLE POINT VOLTAGE	208/3	208/3	208/3	208/3
MINIMUM CIRCUIT AMPS	45	37	37	37
MAXIMUM FUSE AMPS	50	40	40	40

**REVISED PLANS RECEIVED**

FEB 07 2008

DEVELOPMENT & NEIGHBORHOOD SERVICES CITY OF CLEARWATER

ADDED ALTERNATE MECHANICAL SHEETS M-1A & M-2A

**PLUMBING GENERAL NOTES**

- WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES INCLUDING:
  - 2004 FLORIDA BUILDING CODE WITH 2006 AMENDMENTS
  - 2004 FLORIDA PLUMBING CODE WITH 2006 AMENDMENTS
  - 2004 FLORIDA ENERGY CODE WITH 2006 AMENDMENTS
- DEFINITIONS: "FURNISH" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE JOBSITE. "INSTALL" SHALL MEAN TO PHYSICALLY INSTALL AN ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL. "PROVIDE" SHALL MEAN TO BOTH FURNISH AND INSTALL AN ITEM.
- VERIFY ALL POINTS OF CONNECTION WITH OTHER DISCIPLINES (LOCATION AND INVERT) PRIOR TO INSTALLATION. THIS SHALL INCLUDE EXISTING UTILITIES AS WELL AS NEW UTILITIES INSTALLED UNDER THE SCOPE OF WORK FOR THIS PROJECT.
- COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, ELECTRICAL LIGHTING, AND STRUCTURE, IN THE CEILING PLenums. PRIORITY SHALL BE GIVEN TO DUCTWORK IN CEILING PLenums.
- COORDINATE DROPPED AND STEP-DOWN FOOTERS AT ALL BUILDING FOUNDATION. PROVIDE SLEEVE THRU FOUNDATION WALL OR BELOW FOOTERS TWO NOMINAL PIPE SIZES LARGER THAN THE SERVICE PIPE.
- ALL WORK, BOTH MATERIAL AND INSTALLATION, SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR FROM THE DATE OF OWNER ACCEPTANCE (CERTIFICATE OF OCCUPANCY).

**SANITARY, WASTE AND VENT PIPING**

- SANITARY, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC PER ASTM D 2665 (NO SUBSTITUTIONS) WITH SOLVENT WELDED CEMENT IN ACCORDANCE WITH ASTM 2564.
- COORDINATE SANITARY AND WASTE PIPING BELOW THE SLAB WITH THE BUILDING FOUNDATIONS PRIOR TO INSTALLATION.
- SET FLOOR DRAINS BELOW FINISHED FLOOR LEVEL TO ALLOW FULL DRAINAGE OF AREA. EXPOSED DRAINS IN TOILETS SHALL BE CHROME-PLATED BRASS WITH ESCUTCHEONS. PROVIDE CLEANOUTS AND FROST SLEEVES AS REQUIRED BY CODE.
- FURNISH FOUR POUND LEAD OR EIGHT OUNCE COPPER FOR VENT THRU ROOF FLASHING TO THE GENERAL CONTRACTOR FOR INSTALLATION BY THE ROOFING SUBCONTRACTOR.
- ALL INDIRECT PIPING SHALL TERMINATE AT THE RECEPTOR WITH A MINIMUM AIR GAP OF TWO PIPE DIAMETERS AND SHALL BE BEVELED AT 45 DEGREES.
- ALL INDIRECT PIPING SERVING HAND SINKS, PREP SINKS, AND MISCELLANEOUS EQUIPMENT (I.E. ICE MACHINES, SODA STATIONS, ETC) SHALL BE COPPER.
- ALL INDIRECT PIPING FROM PREP SINKS WITH MULTIPLE BASINS SHALL HAVE EACH BASIN DRAINED INDIVIDUALLY TO THE RECEPTOR.
- TEST PIPING WITH A 10' WATER COLUMN FOR TWO HOURS.

**PLUMBING LEGEND**

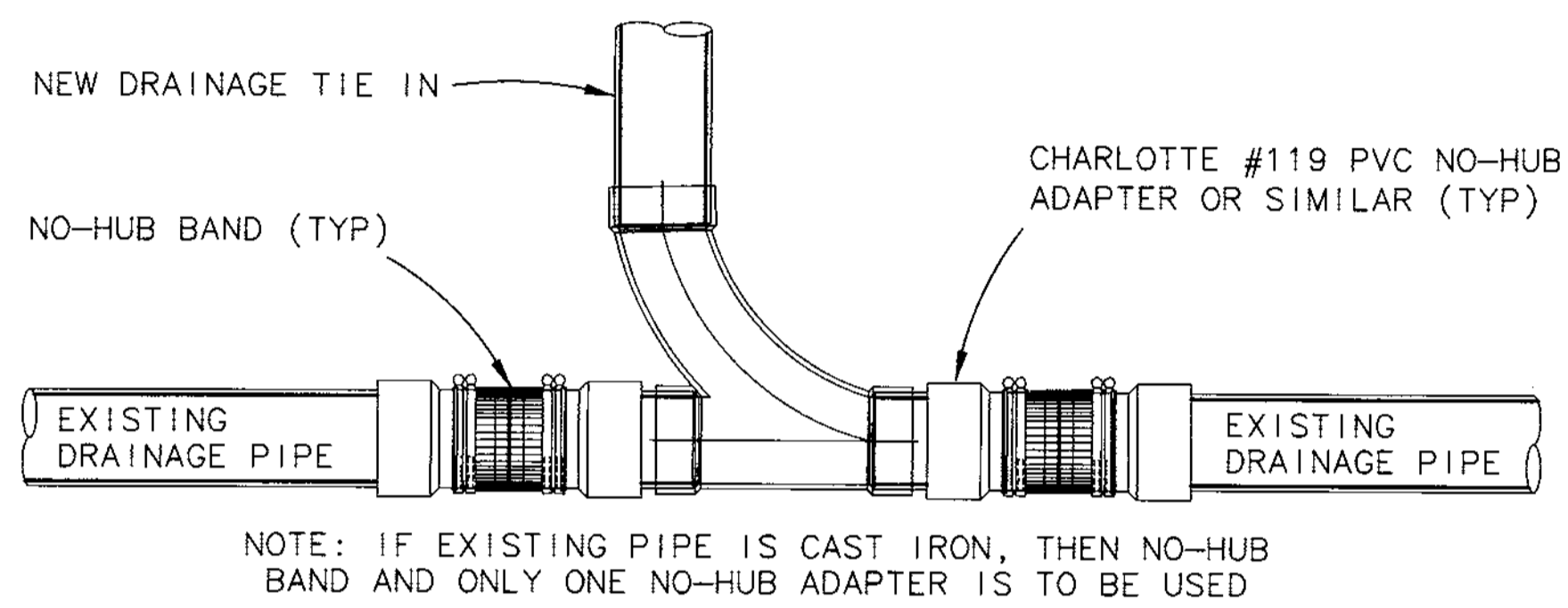
--- COLD WATER PIPING
--- HOT WATER
--- NEW GREASE OR SANITARY
- - - EXISTING GREASE OR SANITARY
(E) EXISTING
(N) NEW
(R) RELOCATE
(RS) REMOVE & SCRAP
(SOV) SHUT-OFF VALVE
(A) CAP AND ABANDON

NOTE: THIS JOB REQUIRES MANY TIE INS TO EXISTING SEWER SYSTEMS. FOR PVC PIPING 4" AND SMALLER THESE CONNECTIONS ARE TO BE MADE WITH NO HUB ADAPTERS AND NO HUB BANDS. GREAT CARE SHALL BE TAKEN TO PROVIDE SQUARE CUTS ON PVC AS TO HAVE THE BEST CONNECTIONS POSSIBLE. ONLY PVC PIPING LARGER THAN 4" SHALL HAVE FERROCEM CONECTIONS.

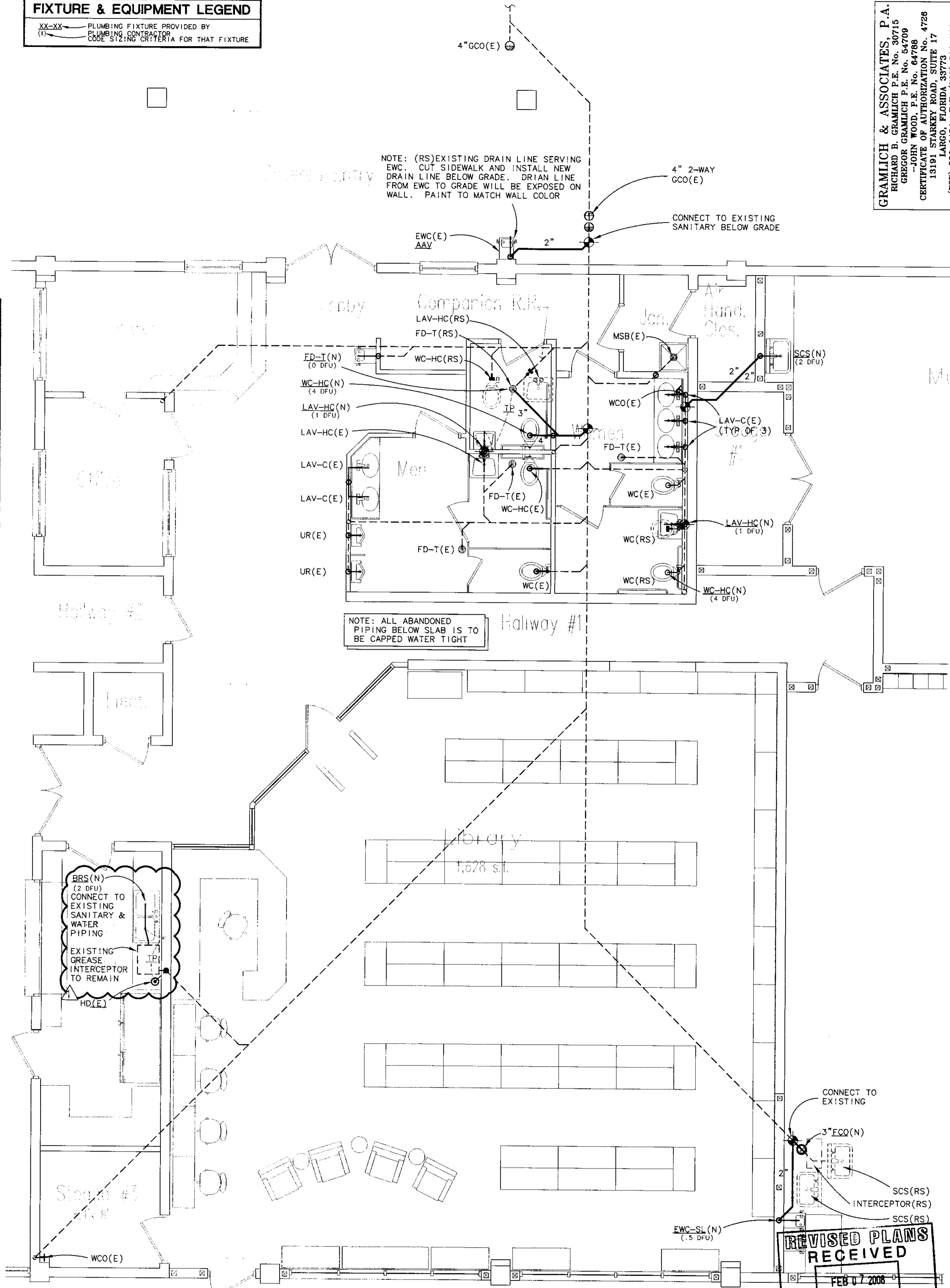
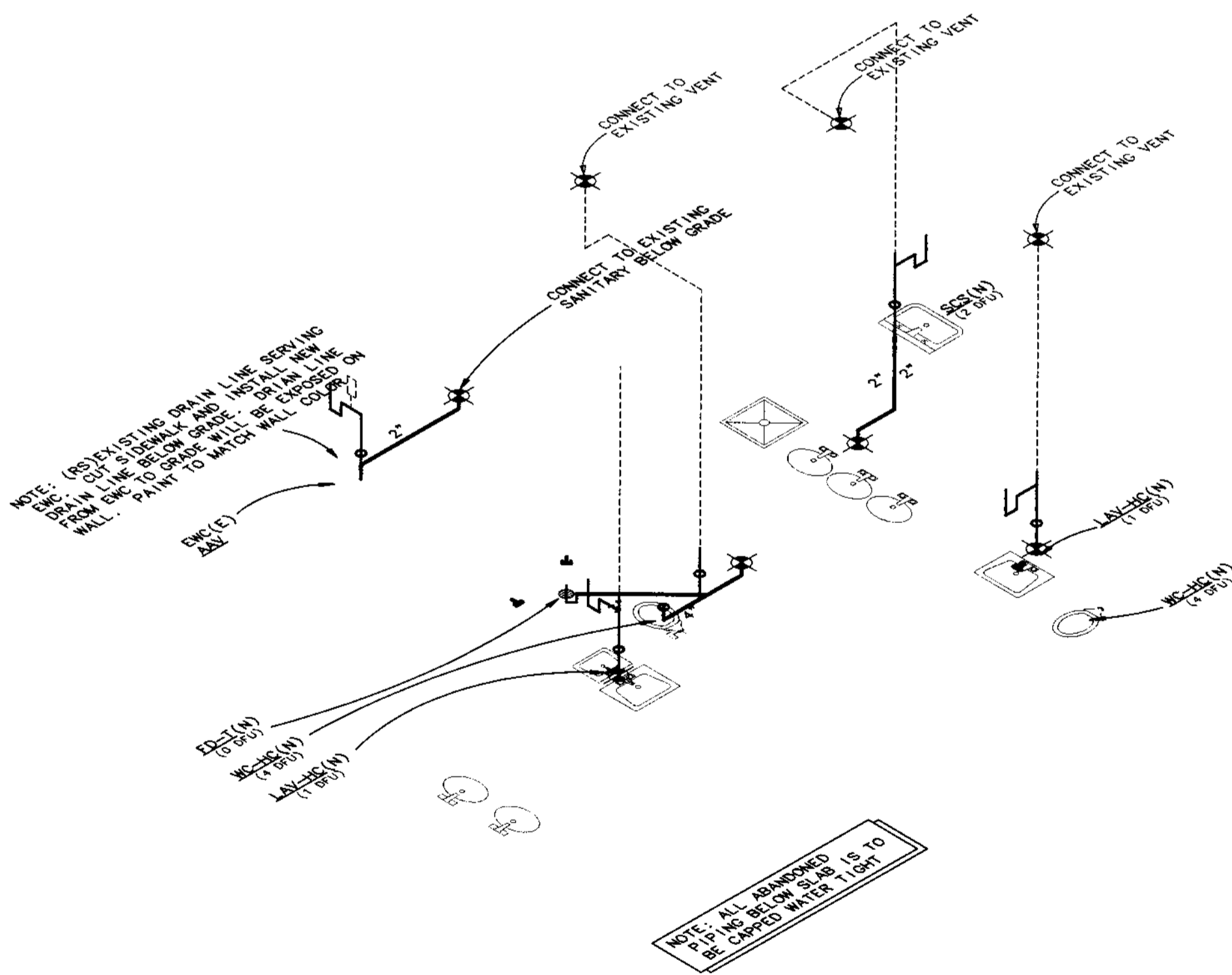
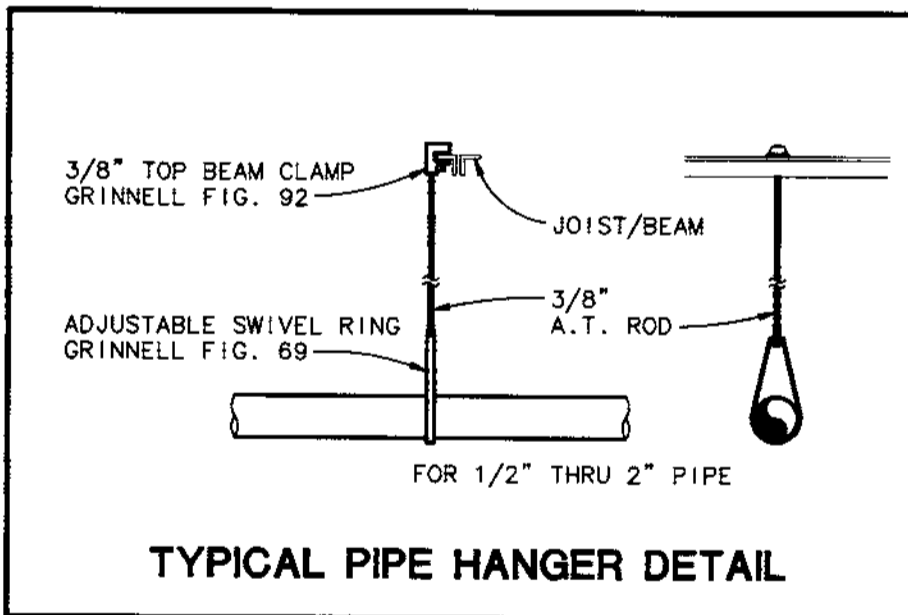
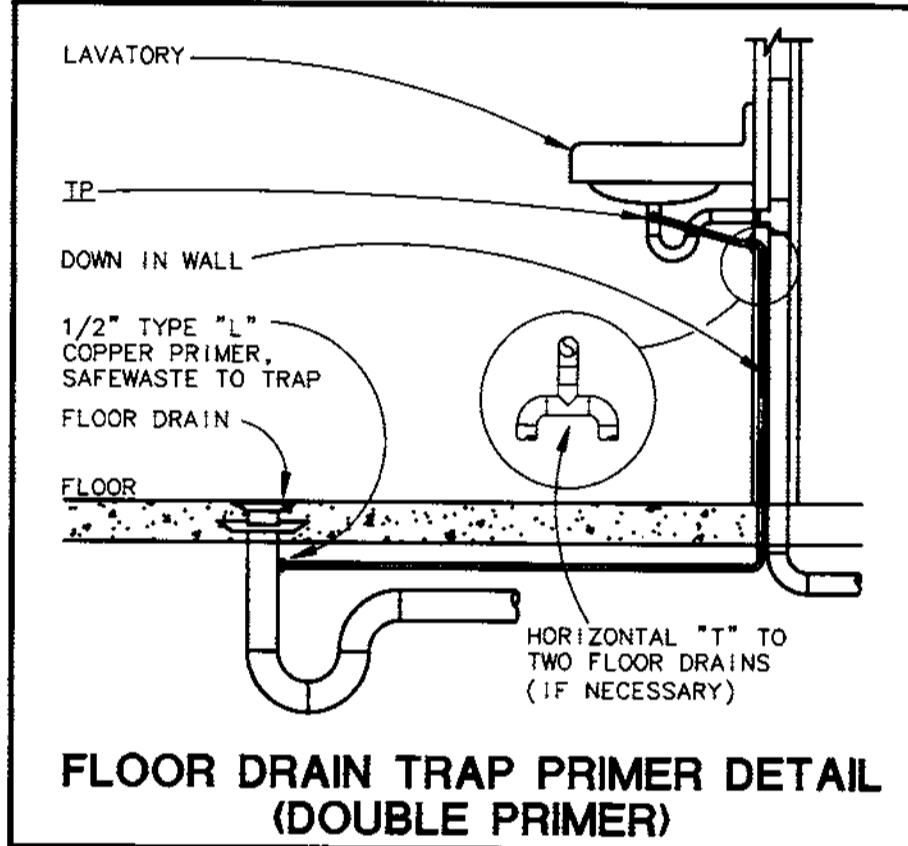
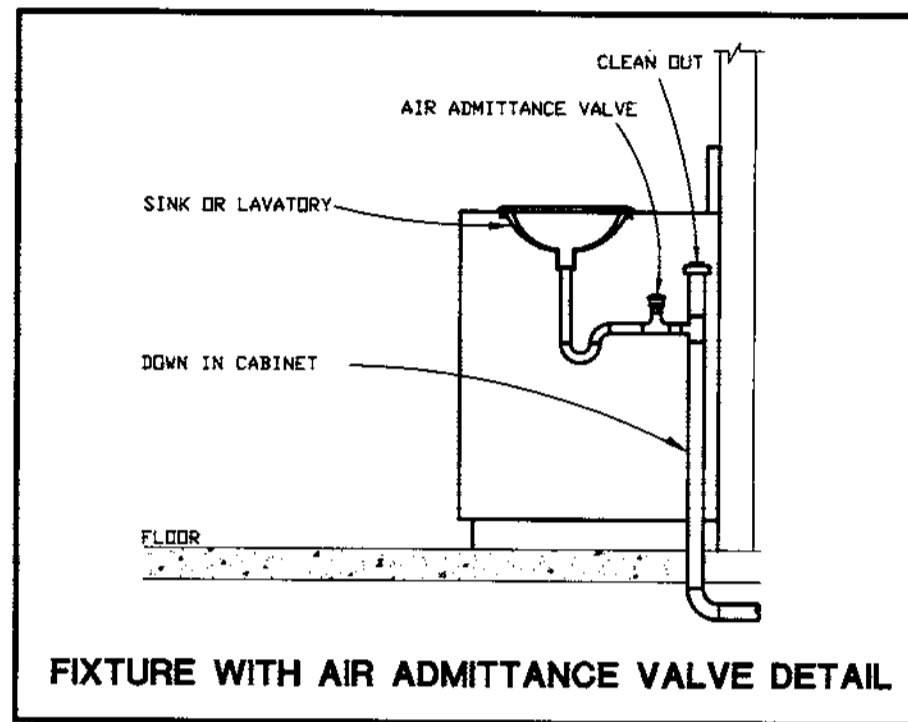
NOTE: CUT INTO LINES THAT ARE TO BE ABANDONED AT MOST DOWNSTREAM POINT AND THEN TEST ALL DRAINS IN AREA TO BE CERTAIN THAT NOTHING TO BE LEFT IN SERVICE IS ABANDONED.

**FIXTURE & EQUIPMENT LEGEND**

XX-XX PLUMBING FIXTURE PROVIDED BY PLUMBING CONTRACTOR  
(S) CODE SIZING CRITERIA FOR THAT FIXTURE



**NEW DRAINAGE CONNECTION DETAIL**  
SCALE: N.T.S.



NOTE: ALL ABANDONED PIPING BELOW SLAB IS TO BE CAPPED WATER TIGHT

NOTE: (RS) EXISTING DRAIN LINE SERVING EWC CUT SIDEWALK AND INSTALL NEW DRAIN LINE BELOW GRADE. DRAIN LINE FROM EWC TO GRADE WILL BE EXPOSED ON WALL. PAINT TO MATCH WALL COLOR

**REVISED PLANS RECEIVED**  
FEB 17 2006  
DEVELOPMENT & NEIGHBORHOOD SERVICES  
CITY OF CLEARWATER

GRAMMICH & ASSOCIATES, P.A.  
1421 COURT STREET, CLEARWATER, FLORIDA 34615  
REG. CONTRACTOR NO. 90715  
REG. ARCHITECT P.E. NO. 66909  
REG. PLUMBING CONTRACTOR NO. 64786  
-JOHN WOOD, P.E. NO. 64786  
CERTIFICATE OF AUTHORIZATION NO. 4728  
13191 STARKEY ROAD, SUITE 17  
LARGO, FLORIDA 33779  
(927) 538-0464 FAX: (727) 530-6931

FOWLER ASSOCIATES ARCHITECTS, INC.  
1421 COURT STREET, CLEARWATER, FLORIDA 34615  
REG. ARCHITECT P.E. NO. 66909  
REG. PLUMBING CONTRACTOR NO. 64786  
CERTIFICATE OF AUTHORIZATION NO. 4728  
13191 STARKEY ROAD, SUITE 17  
LARGO, FLORIDA 33779  
(927) 538-0464 FAX: (727) 530-6931

PROJECT NO: 07-214

SHEET NO: P-1

DATE: 7 Nov 07

DRAWN: JRW

REVISION: ADDENDUM 1  
BY: JRW  
DATE: 11/15/07

GRAVITY DRAINAGE PLAN AND ISOMETRIC  
Clearwater Beach Library &  
Recreation Center Consolidation  
69 BAY ESPERANDE  
CLEARWATER, FLORIDA 33767

**PLUMBING GENERAL NOTES**

- WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES INCLUDING:
  - 2004 FLORIDA BUILDING CODE WITH 2006 AMENDMENTS
  - 2004 FLORIDA PLUMBING CODE WITH 2006 AMENDMENTS
  - 2004 FLORIDA ENERGY CODE WITH 2006 AMENDMENTS
- DEFINITIONS: "FURNISH" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE JOBSITE. "INSTALL" SHALL MEAN TO PHYSICALLY INSTALL AN ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL. "PROVIDE" SHALL MEAN TO BOTH FURNISH AND INSTALL AN ITEM.
- VERIFY ALL POINTS OF CONNECTION WITH OTHER DISCIPLINES (LOCATION AND INVERT) PRIOR TO INSTALLATION. THIS SHALL INCLUDE EXISTING UTILITIES AS WELL AS NEW UTILITIES INSTALLED UNDER THE SCOPE OF WORK FOR THIS PROJECT.
- COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, ELECTRICAL LIGHTING, AND STRUCTURE, IN THE CEILING PLENUMS. PRIORITY SHALL BE GIVEN TO DUCTWORK IN CEILING PLENUMS.
- COORDINATE DROPPED AND STEP-DOWN FOOTERS AT ALL BUILDING FOUNDATION. PROVIDE SLEEVE THRU FOUNDATION WALL OR BELOW FOOTERS TWO NOMINAL PIPE SIZES LARGER THAN THE SERVICE PIPE.
- ALL WORK, BOTH MATERIAL AND INSTALLATION, SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR FROM THE DATE OF OWNER ACCEPTANCE (CERTIFICATE OF OCCUPANCY).

**SANITARY, WASTE AND VENT PIPING**

- SANITARY, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC PER ASTM D 2665 (NO SUBSTITUTIONS) WITH SOLVENT WELDED CEMENT IN ACCORDANCE WITH ASTM 2564.
- COORDINATE SANITARY AND WASTE PIPING BELOW THE SLAB WITH THE BUILDING FOUNDATIONS PRIOR TO INSTALLATION.
- SET FLOOR DRAINS BELOW FINISHED FLOOR LEVEL TO ALLOW FULL DRAINAGE OF AREA.
- EXPOSED DRAINS IN TOILETS SHALL BE CHROME-PLATED BRASS WITH ESCUTCHEONS.
- PROVIDE CLEANOUTS AND FROST SLEEVES AS REQUIRED BY CODE.
- FURNISH FOUR POUND LEAD OR EIGHT OUNCE COPPER FOR VENT THRU ROOF FLASHING TO THE GENERAL CONTRACTOR FOR INSTALLATION BY THE ROOFING SUBCONTRACTOR.
- ALL INDIRECT PIPING SHALL TERMINATE AT THE RECEPTOR WITH A MINIMUM AIR GAP OF TWO PIPE DIAMETERS AND SHALL BE BEVELED AT 45 DEGREES.
- ALL INDIRECT PIPING SERVING HAND SINKS, PREP SINKS, AND MISCELLANEOUS EQUIPMENT (I.E. ICE MACHINES, SODA STATIONS, ETC) SHALL BE COPPER.
- ALL INDIRECT PIPING FROM PREP SINKS WITH MULTIPLE BASINS SHALL HAVE EACH BASIN DRAINED INDIVIDUALLY TO THE RECEPTOR.
- TEST PIPING WITH A 10' WATER COLUMN FOR TWO HOURS.

**PLUMBING LEGEND**

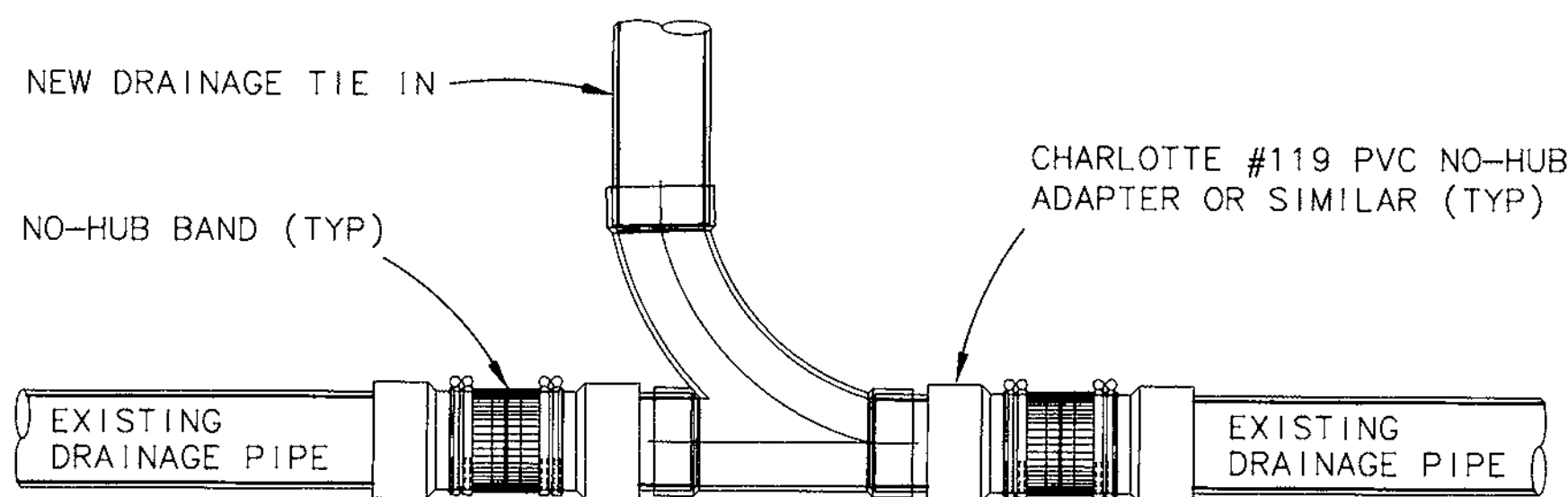
---	COLD WATER PIPING
---	HOT WATER
---	NEW GREASE OR SANITARY
---	EXISTING GREASE OR SANITARY
(E)	EXISTING
(N)	NEW
(R)	RELOCATE
(RS)	REMOVE & SCRAP
(SOV)	SHUT-OFF VALVE
(A)	CAP AND ABANDON

NOTE: THIS JOB REQUIRES MANY TIE INS TO EXISTING SEWER SYSTEMS. FOR PVC PIPING 4" AND SMALLER THESE CONNECTIONS ARE TO BE MADE WITH NO HUB ADAPTERS AND NO HUB BANDS. GREAT CARE SHALL BE TAKEN TO PROVIDE SQUARE CUTS ON PVC AS TO HAVE THE BEST CONNECTIONS POSSIBLE. ONLY PVC PIPING LARGER THAN 4" SHALL HAVE FERROCEMENT CONNECTIONS.

NOTE: CUT INTO LINES THAT ARE TO BE ABANDONED AT MOST DOWNSTREAM POINT AND THEN TEST ALL DRAINS IN AREA TO BE CERTAIN THAT NOTHING TO BE LEFT IN SERVICE IS ABANDONED.

**FIXTURE & EQUIPMENT LEGEND**

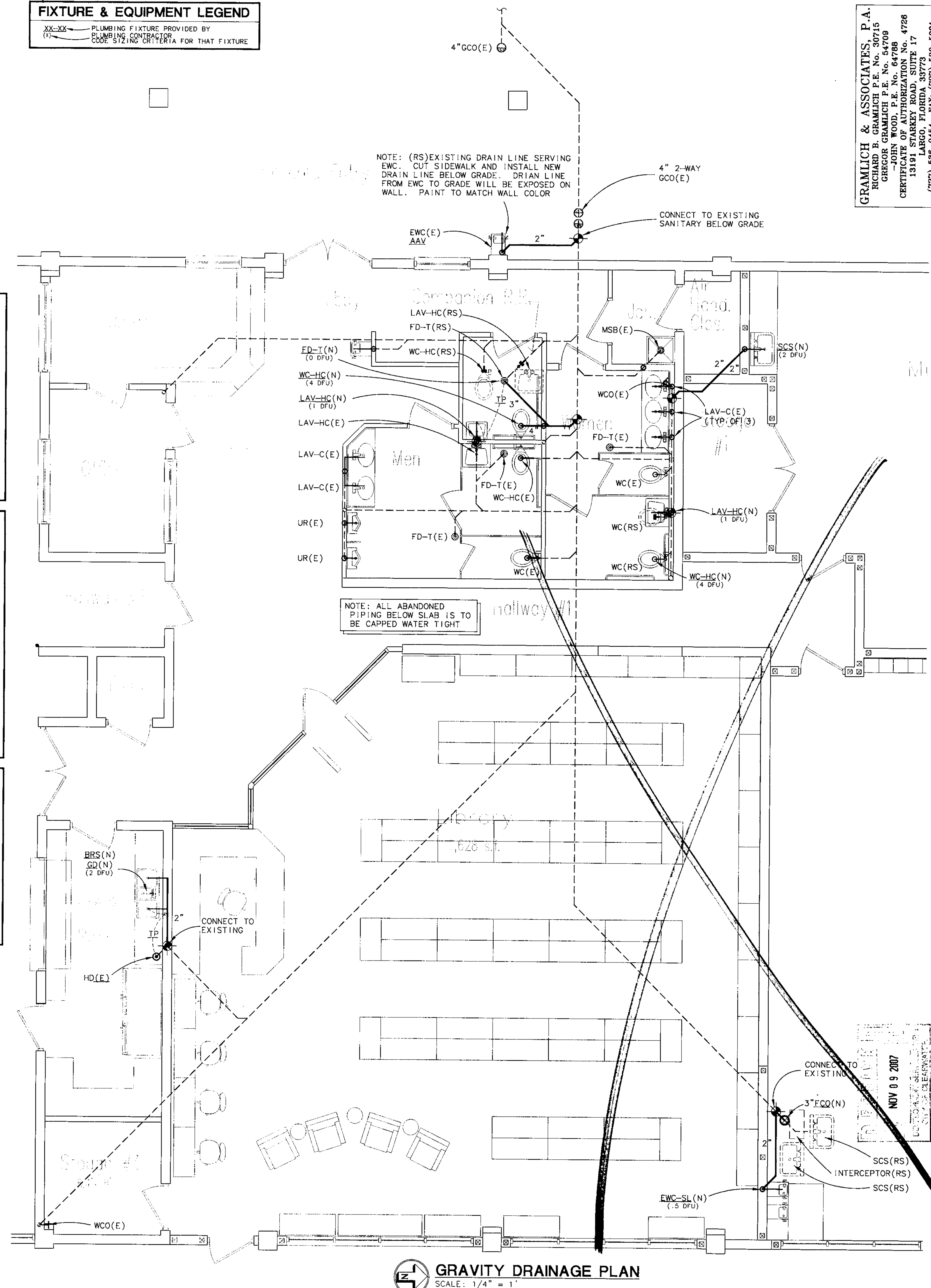
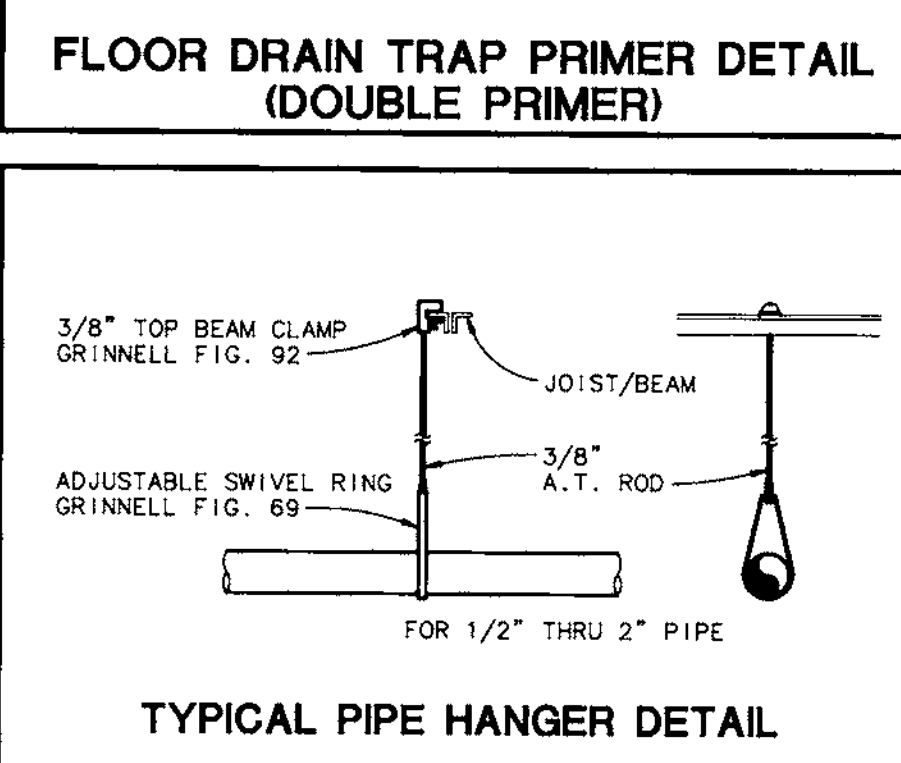
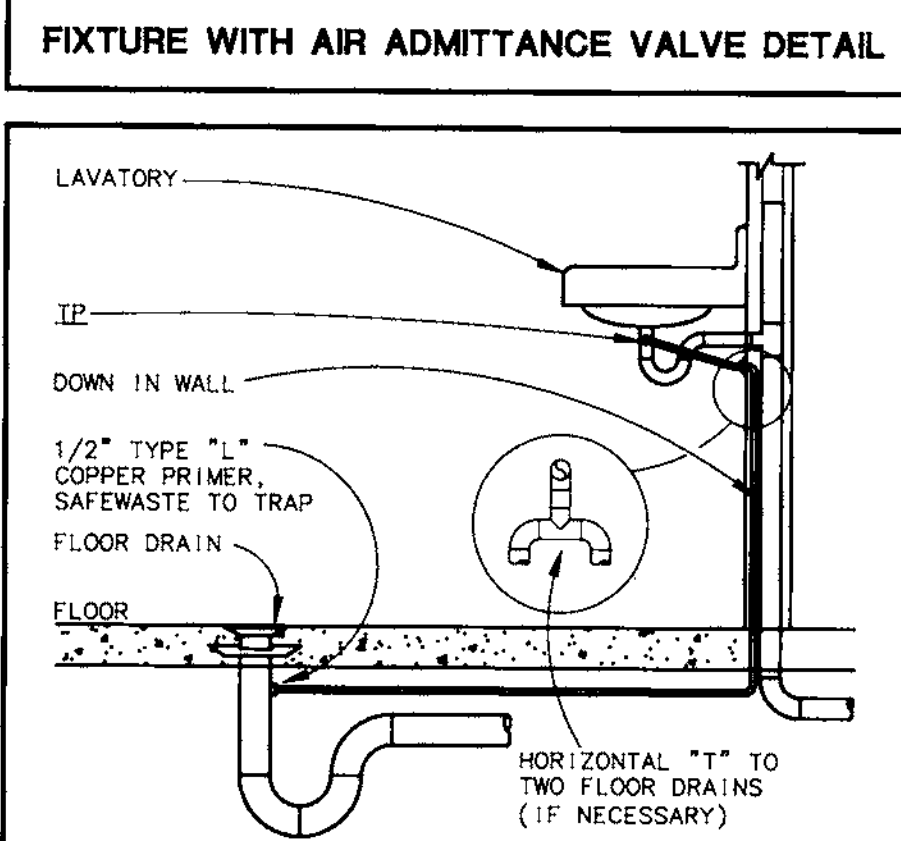
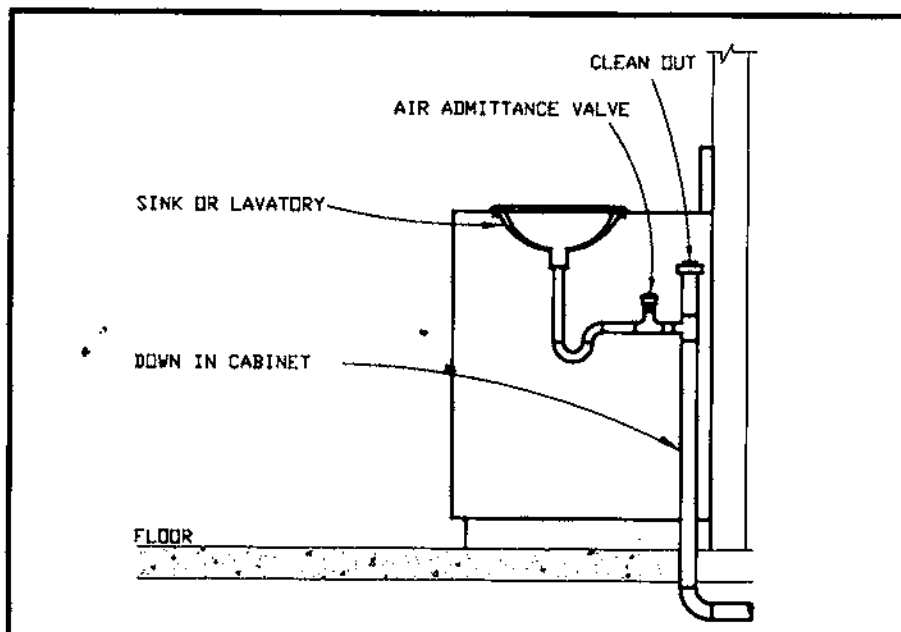
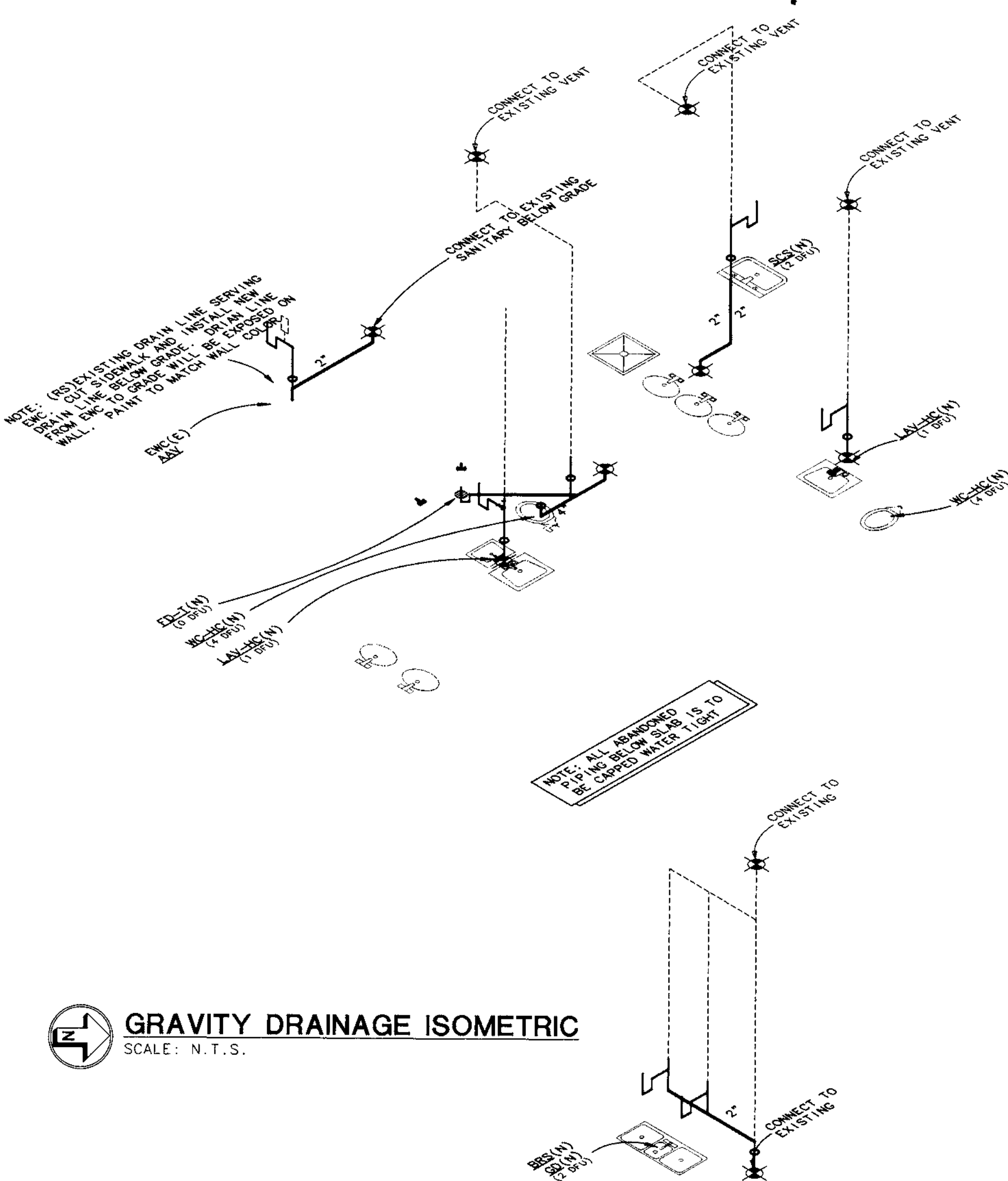
XX-XX PLUMBING FIXTURE PROVIDED BY PLUMBING CONTRACTOR  
 (RS) CODE SIZING CRITERIA FOR THAT FIXTURE



NOTE: IF EXISTING PIPE IS CAST IRON, THEN NO-HUB BAND AND ONLY ONE NO-HUB ADAPTER IS TO BE USED

**NEW DRAINAGE CONNECTION DETAIL**

SCALE: N.T.S.

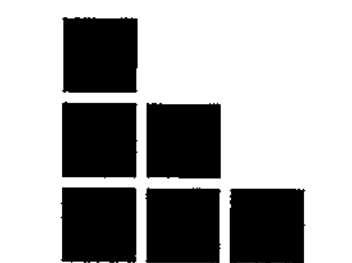


**GRAVITY DRAINAGE PLAN**

SCALE: 1/4" = 1'

GRAMLICH & ASSOCIATES, P.A.  
 RICHARD B. GRAMLICH, P.E. No. 307215  
 GREGOR GRAMLICH, P.E. No. 64709  
 JOHN WOOD, P.E. No. 64788  
 CERTIFICATE OF AUTHORIZATION No. 4728  
 13191 STARKEY ROAD, SUITE 17  
 LARGO, FLORIDA 33773  
 (727) 538-0484 FAX: (727) 530-5981

FOWLER ASSOCIATES ARCHITECTS, INC.  
 1421 COURTYARD DRIVE, CLEARWATER, FLORIDA 33765  
 (727) 449-3321 FAX (727) 447-3389  
 CERTIFICATE OF AUTHORIZATION NUMBER 0000000000  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER 0000000000



BY	
REVISION	
NO.	
DATE	
DRAWN	JRW
DATE	7 Nov 07

PROJECT NO. 07-214  
 SHEET NO. P-1

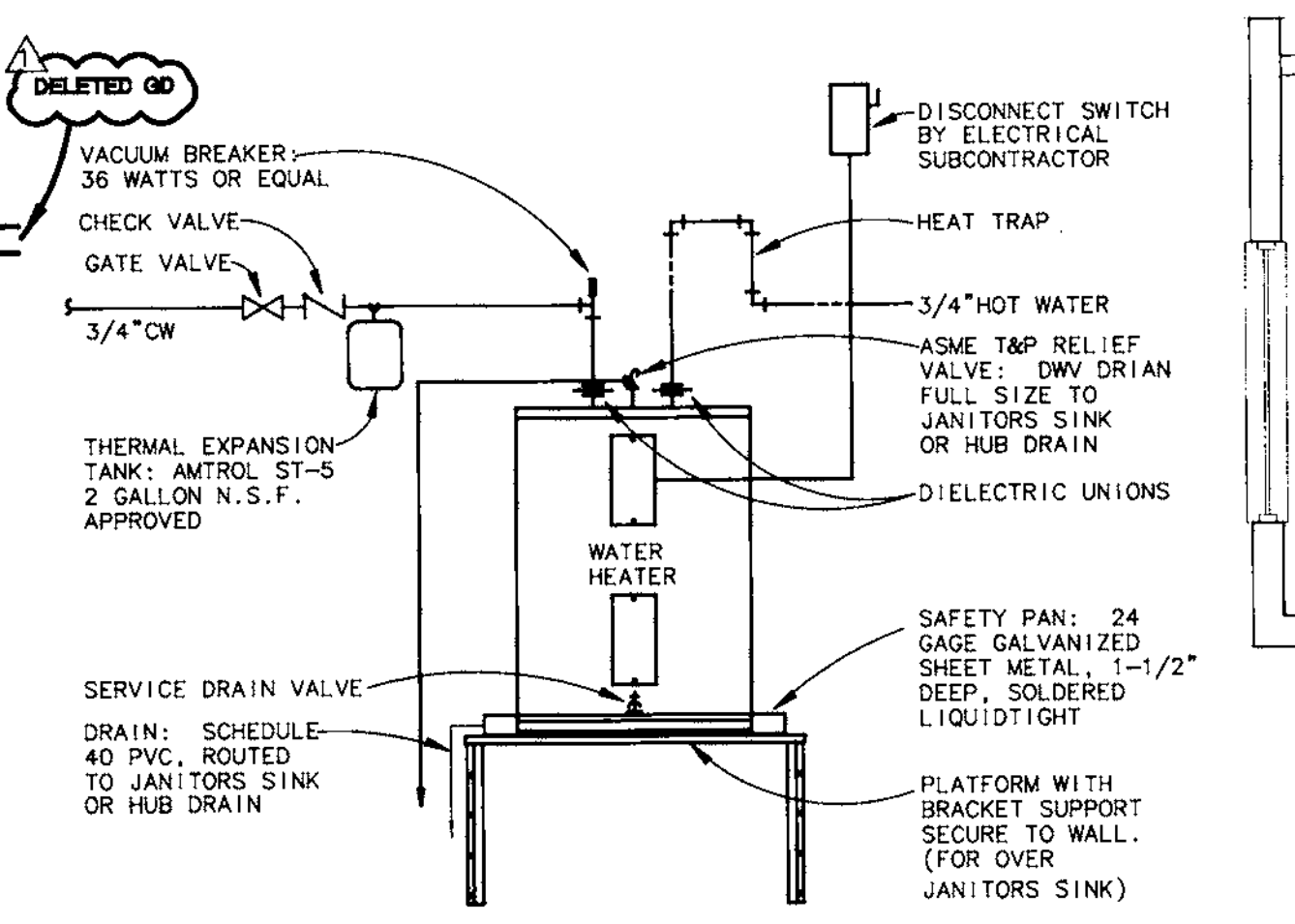
GRAVITY DRAINAGE PLAN AND ISOMETRIC  
 Clearwater Beach Library & Recreation Center Consolidation  
 69 BAY ESPRANADE, CLEARWATER, FLORIDA 33767

NOV 09 2007  
 DATE

PLUMBING FIXTURE SCHEDULE					
TOILET FIXTURES					
MARK	DESIGNATION & SPECIFICATION	COLD WATER	HOT WATER	TRAP/WASTE	VENT
WC-HC	WATER CLOSET: TOTO "FLUSHOMETER ADA TOILET" SC534 FLOOR MOUNTED, 1.6 GPF, FLUSH VALVE, VITREOUS CHINA, ELONGATED, 17-1/2" HIGH BOWL, SIPHON JET, WATER SAVER, SEAT: OLSONITE #10 HEAVY DUTY, OPEN FRONT, LESS COVER TRIM: TOTO ELECTRONIC TOILET FLUSH VALVE TETINGS-32				2"
LAV-HC	LAVATORY HANDICAP: AMERICAN STANDARD "LUCERNE" 0355.012 WALL HUNG TYPE, 20-1/2" X 18-1/4" VITREOUS CHINA, FOR CONCEALED ARM SUPPORT, 0.5 GPM FLOW RESTRICTOR, AERATOR AND CP SUPPLIES WITH STOPS, CP ESCUTCHEONS, CP GRID DRAIN, CP TRAP WITH INTEGRAL CLEANOUT, HAND-CAP OFFSET TAILPIECE, LAV GUARD: TRUEBRO 103E-Z INSULATION KIT, TRIM: SINGLE LEVER FAUCET, AMERICAN STANDARD 2385.011, LESS POP-UP DRAIN AND HOLE.	1/2"	1/2"	1-1/4"	2"
FD-1	FLOOR DRAIN - TOILETS ZURN ZN-415-P DURA-COATED CAST IRON BODY & ADJUSTABLE COLLAR, TRAP PRIMER CONNECTION, TYPE "B", 8" DIAMETER, POLISHED NICKEL BRONZE STRAINER, WITH FLASHING CLAMP DEVICE, VINYL FLOORING (WHERE APPLICABLE) SHALL BE RUN BENEATH & CLAMPED DOWN BY THE FLASHING DEVICE.			3"	2"
WATER HEATERS					
MARK	DESIGNATION & SPECIFICATION	COLD WATER	HOT WATER	TRAP/WASTE	VENT
EW-H-10	ELECTRIC WATER HEATER: A.O. SMITH DEL-10 FOAM INSULATED, SIDE CONNECTED, 10 GALLON, 1500 WATT, 110/120 VOLT, 1.5 AMPS, UL LISTED, ASHRAE APPROVED.	3/4"	3/4"		
E-TK	EXPANSION TANK: AMTROL ST SERIES THERMAL-X-TROL ASME MODEL ST-5-C, 3/4" CONNECTION, MAX. WORKING PRESSURE 150 P.S.I., TOTAL VOLUME GALLON 2.1				
SCS	SINGLE COMPARTMENT SINK: ELKAY "LUSTERTONE" LR-2522 COUNTER-TOP TYPE, SINGLE COMPARTMENT, 25 X 22 X 8", 18 GAGE, 304 STAINLESS STEEL, WITH DROPPED LEDGE & RAISED FAUCET DECK, TWO HOLE CENTERED-RIGHT.	1/2"	1/2"	1-1/2"	2"
BRS	DUAL COMPARTMENT SINK: ELKAY "LUSTERTONE" CR4322 COUNTER-TOP TYPE, TWO COMPARTMENT, 43" X 22" 7" DEPTH, 18 GAGE, 304 STAINLESS STEEL, WITH DROPPED LEDGE & RAISED FAUCET DECK, TWO HOLE CENTERED-RIGHT. TRIM: ELKAY LK4124F SINGLE LEVER HIGH ARC FAUCET AND AERATOR, MCGUIRE 2165 CP SUPPLIES WITH STOPS, CP ESCUTCHEONS, MCGUIRE 8912 1-1/2" CP TRAP AND DRAIN BASKET & STRAINER.	1/2"	1/2"	1-1/2"	2"
MISCELLANEOUS					
MARK	DESIGNATION & SPECIFICATION	COLD WATER	HOT WATER	TRAP/WASTE	VENT
GD	GRINDING DISK: IN-SHIM ERATOR PRO 73				
IMB	ICE MAKER BOX: WATER-TITE PRODUCT #9000 FLUSH MOUNTED WITH SINGLE VALVE AND SHOCK ARRESTOR	1/2"			
HB	HOSE BIBB: WOODFORD #24P-3/4 WALL MOUNT, VACUUM BREAKER-BACKFLOW PROTECTED, WITH FLANGE AT WALL, MILD CLIMATE, PROVIDE WITH KEY.	3/4"			
EW-C-SL	ELECTRIC WATER COOLER: OASIS PBMSL 7.8 GPH 1/5 HP, 8.2 AMPS, 115/110 ADA AND UL APPROVED, WALL MOUNT, SPLIT LEVEL DOUBLE BASIN MODEL WITH TOUCH PADS ON FRONT & SIDES, STANDARD CABINET FINISH SANDSTONE, CP SUPPLIES WITH STOPS, CP ESCUTCHEONS, CP GRID DRAIN, CP TRAP WITH INTEGRAL CLEANOUT.	1/2"		1-1/4"	2"
TP	TRAP PRIMER: ZURN Z-1021				
FCO	FLOOR CLEANOUT: ZURN ZN-1400-VP INTERIOR, FLOOR TYPE, ABS TAPERED PLUG WITH GASKET SEAL & NICKEL BRONZE TOP, "C.O." CAST IN THE TOP, SPANNER WRENCH REMOVAL.				MATCH PIPE
AAV	AIR ADMITTANCE VALVE: STUDDOR CODE APPROVED INDOOR VENT, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S APPROVED INSTALLATION INSTRUCTIONS.				

NOTES:  
 1. APPROVED MANUFACTURERS OF FIXTURES ARE AMERICAN STANDARD, TOTO, KOHLER AND ELJER.  
 2. APPROVED MANUFACTURERS OF FAUCETS ARE AMERICAN STANDARD, TOTO, DELTA, T & S AND CHICAGO.  
 3. APPROVED MANUFACTURERS OF FLOOR DRAINS AND CLEANOUTS ARE J.R. SMITH, JOANS, WATTS AND ZURN.  
 4. APPROVED MANUFACTURERS OF THE WATER HEATERS ARE A.O. SMITH, STATE, RHEEM AND RUUD.  
 5. APPROVED MANUFACTURERS OF WATER COOLER IS ELKAY, OASIS AND HAMS.  
 6. ALL SUPPLIES SHALL BE PROVIDED WITH CHROME PLATED ANGLE STOPS AND TUBING EQUAL TO EASTMAN, BRASS-CRAFT OR EQUAL.

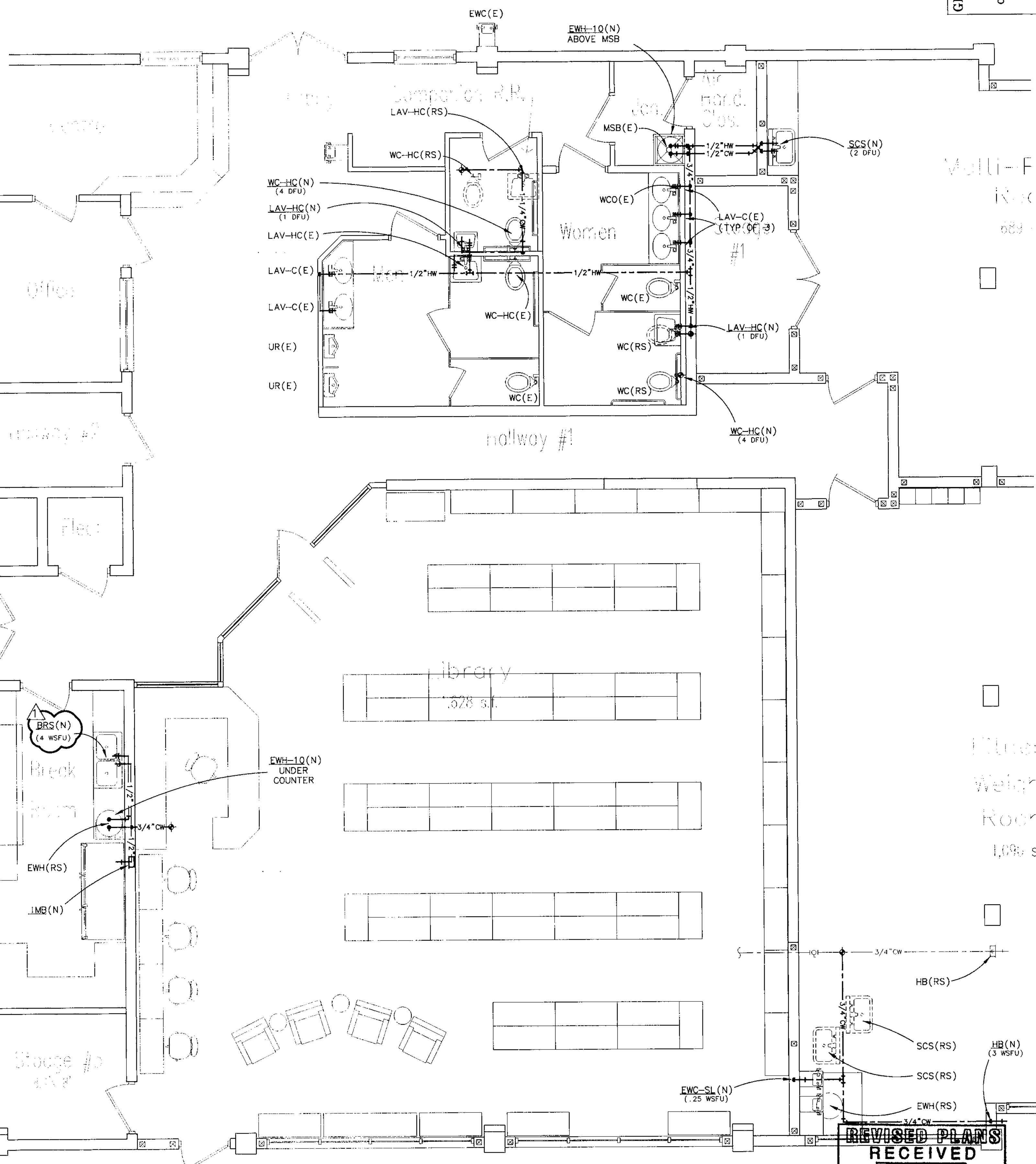
- ### WATER PIPING
1. WATER PIPING ABOVEGROUND SHALL BE TYPE "L" COPPER (ASTM B88-89), WITH WROUGHT COPPER FITTINGS (ASTM B16-22-89) AND 95-5 SILVER SOLDERED JOINTS. SCHEDULE 40 GALVANIZED STEEL (ASTM A-53) MAY BE USED FOR PIPING 3" AND LARGER. FITTINGS SHALL BE CLASS 125.
  2. WATER PIPING BELOWGROUND SHALL BE TYPE "K" COPPER, WROUGHT COPPER FITTINGS (ASTM B16-22-89), WITH VINYL SLEEVE FOR CORROSION PROTECTION AND SILVER SOLDERED JOINTS. ALTERNATIVELY, UPONER (WIRSDO) AQUAPEX TYPE A "PEX" CROSS-LINKED POLYETHYLENE PLASTIC TUBING (ASTM F876) MAY BE USED BELOWGROUND. SCHEDULE 40 GALVANIZED STEEL (ASTM A-53) MAY BE USED FOR PIPING 3" AND LARGER. FITTINGS SHALL BE CLASS 125.
  3. SUPPORT ALL PIPING WITH PIPE HANGERS BY GRINELL OR APPROVED EQUAL. HANGERS SHALL BE SPECIFICALLY SELECTED FOR USE WITH THE PIPE MATERIAL AND INSULATION THICKNESS (IF INSULATED) SPECIFIED.
  4. PROVIDE EACH FIXTURE WITH SHUTOFF SUPPLY STOPS. EXPOSED STOPS AND SUPPLY PIPING SHALL BE CHROME PLATED WITH A CHROME PLATED ESCUTCHEON AND SET SCREW.
  5. PROVIDE SERVICE VALVES AT ALL BRANCH SUPPLY LINES. ALL VALVES SHALL BE 125 LB SERVICE RATED. SHUTOFF VALVES SHALL BE BALL OR GATE TYPE AND SHALL BE INSTALLED CLOSE TO CEILING FOR ACCESS.
  6. PROVIDE UNIONS FOR ALL CONNECTIONS TO SERVICEABLE EQUIPMENT. UNIONS SHALL BE DIELECTRIC TYPE WHERE DISSIMILAR METALS ARE CONNECTED.
  7. HOT WATER PIPING INSULATION SHALL BE EITHER FIBERGLASS "MANVILLE MICRO-LOK AP-1" OR CLOSED CELL "ARMAFLEX".
  8. INSULATE HOT WATER PIPING AS FOLLOWS: RECIRCULATING PORTIONS (IF PRESENT) SHALL PROVIDE 1" INSULATION FOR PIPING UP TO AND INCLUDING 2", 1-1/2" INSULATION FOR PIPING LARGER THAN 2" AND 1/2" INSULATION ON ALL RUNOUTS TO INDIVIDUAL FIXTURES. NON-CIRCULATING PORTIONS SHALL PROVIDE 1" INSULATION ON THE INLET PIPING FROM THE HEAT TRAP TO THE TANK, AND ON THE DISCHARGE PIPING FOR A DISTANCE OF 8 FEET. FIBERGLASS FITTING SHALL BE WRAPPED WITH MANVILLE "ZESTON 2000" PVC FITTING COVERS.
  9. ALL WATER PIPING INSTALLED INSIDE CMU WALLS SHALL BE PROTECTED FROM CORROSION WITH EITHER INSULATION OR A CONTINUOUS VINYL SLEEVE.
  10. PROVIDE WATER HAMMER ARRESTORS, EQUAL TO J.R. SMITH 5000 SERIES, IN ACCORDANCE WITH PD1 STANDARD WH-201 AT ALL QUICK CLOSING VALVES AND AT ALL FLUSH VALVES. FIXTURES IN A BATTERY MAY BE SERVED BY A SINGLE ARRESTOR PLACED AT THE END OF A FULL SIZED HEADER. FIELD FABRICATED ARRESTORS ARE NOT ACCEPTABLE.
  11. PROVIDE VACUUM BREAKERS, OR BACKFLOW PREVENTERS, AS REQUIRED BY CODE.
  12. PROVIDE TRAP PRIMERS AS REQUIRED BY CODE.
  13. TEST ALL WATER PIPING AT 100 PSIG FOR SIX HOURS OR AS REQUIRED BY THE BUILDING DEPARTMENT.
  14. STERILIZE WATER PIPING IN ACCORDANCE WITH HEALTH DEPARTMENT REGULATIONS.



WATER HEATER DETAIL



WATER ISOMETRIC SCALE: N.T.S.



WATER PLAN SCALE: 1/4" = 1'

RECEIVED  
 FEB 07 2008  
 DEVELOPMENT & NEIGHBORHOOD SERVICES  
 CITY OF CLEARWATER

GRAMLICH & ASSOCIATES, P.A.  
 RICHARD B. GRAMLICH P.E. No. 30715  
 GREGOR B. GRAMLICH P.E. No. 54709  
 JOHN W. GRAMLICH P.E. No. 4726  
 CERTIFICATE OF AUTHORIZATION NO. 4726  
 13101 STARKEY ROAD, SUITE 17  
 LARGO, FLORIDA 33779  
 (727) 536-0454 FAX: (727) 530-8931

FOWLER ASSOCIATES ARCHITECTS, INC.  
 1421 COURSE STREET, CLEARWATER, FLORIDA 33766  
 (727) 449-2828 FAX (727) 447-5339  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER: AB-0006441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: A0001665

BY	JRW
REVISION	ADDENDUM 1
NO.	1
DATE	11/15/07
DATE	7 Nov 07
DRAWN	JRW

WATER PLAN, ISOMETRIC, AND SCHEDULE  
 Clearwater Beach Library & Recreation Center Consolidation  
 60 BAY ESPLANADE  
 CLEARWATER, FLORIDA 33767

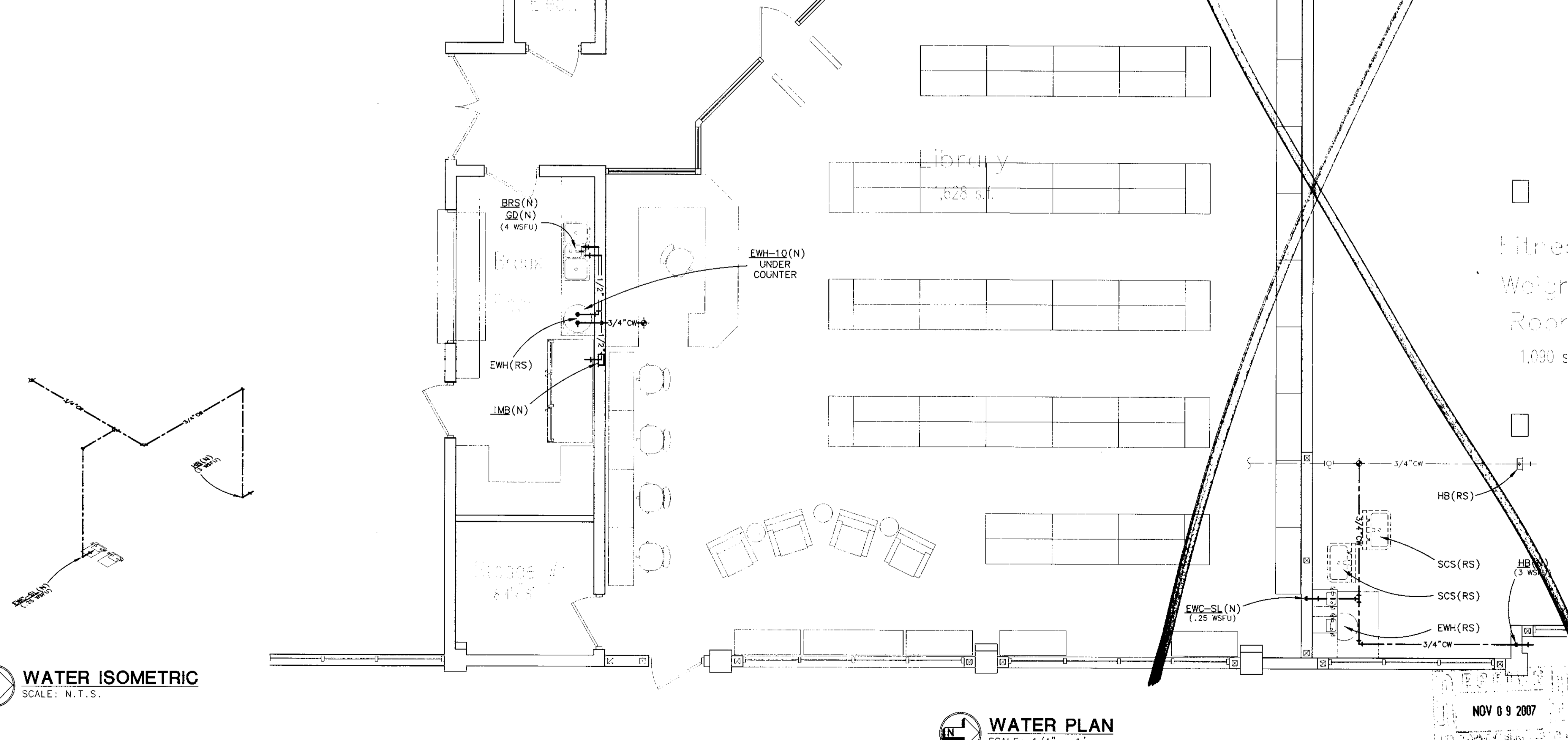
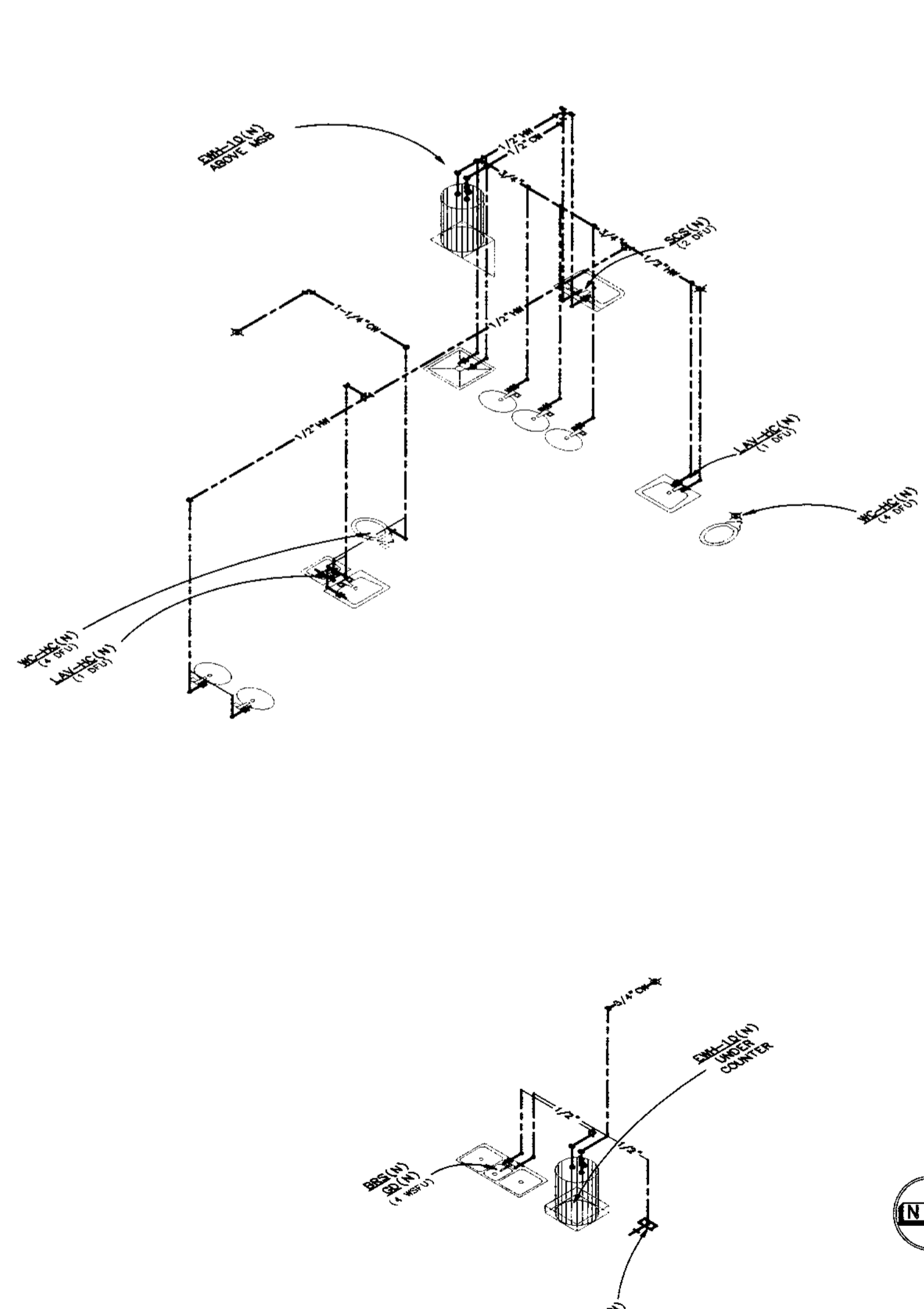
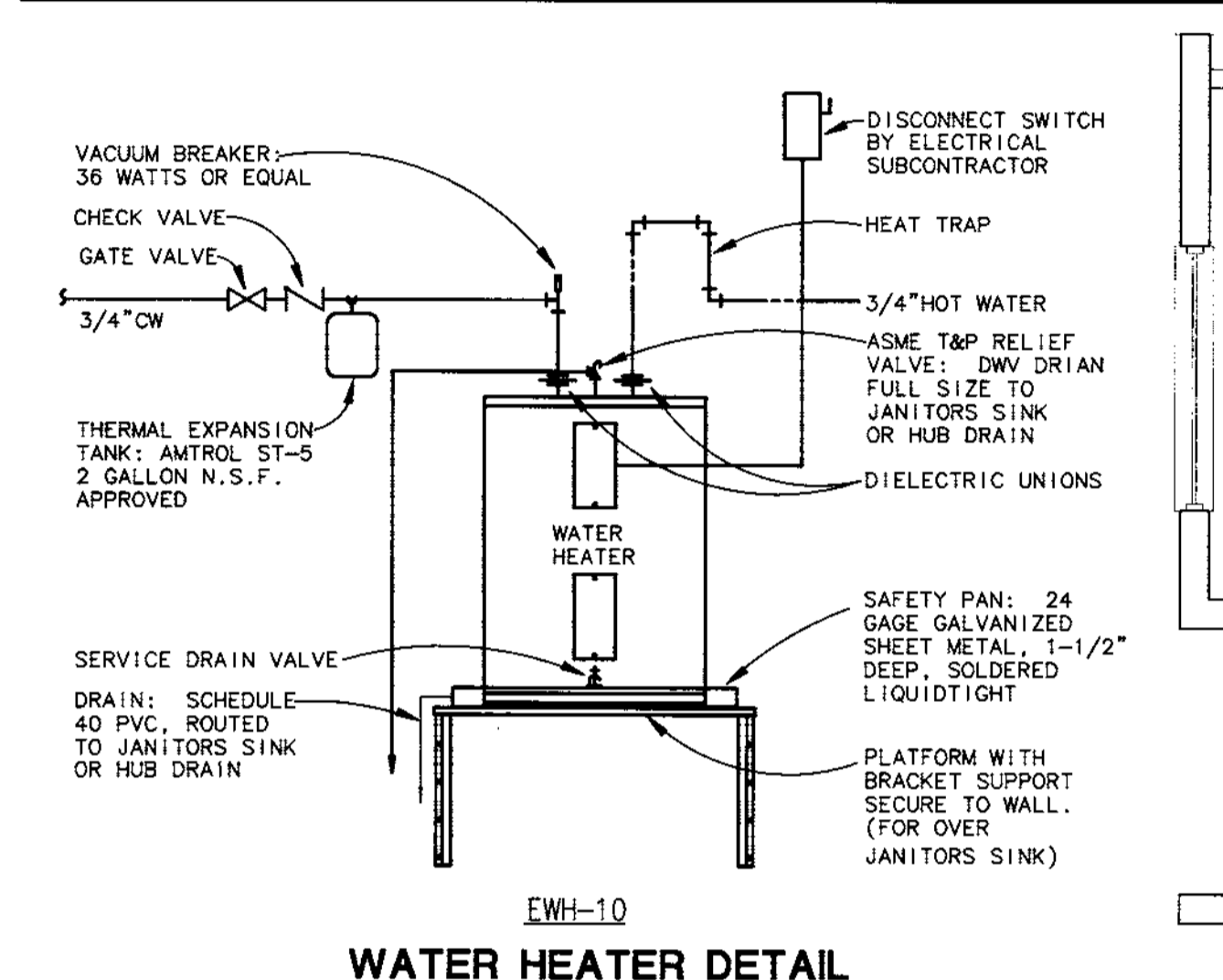
PROJECT NO. 07-214  
 SHEET NO. P-2



PLUMBING FIXTURE SCHEDULE						
TOILET FIXTURES	MARK	DESIGNATION & SPECIFICATION	COLD WATER	HOT WATER	TRAP/WASTE	VENT
WC-HC		WATER CLOSET: TOTO FLUSHOMETER ADA TOILET SC534 FLOOR MOUNTED, 1.6 GPF, FLUSH VALVE, VITREOUS CHINA, ELONGATED, 17-1/2" HIGH BOWL, SIPHON JET, WATER SAVER, SEAT: OLSONITE #10 HEAVY DUTY, OPEN FRONT, LESS COVER TRIM: TOTO ELECTRONIC TOILET FLUSH VALVE TETIDNC-32	1"	-	4"	2"
LAV-HC		LAVATORY HANDICAP: AMERICAN STANDARD "LUCERNE" 0355.012 WALL HUNG TYPE, 20-1/2" X 18-1/4" VITREOUS CHINA, FOR CONCEALED ARM SUPPORT, 0.5 GPM FLOW RESTRICTOR, AERATOR AND CP SUPPLIES WITH STOPS, CP ESCUTCHEONS, CP GRID DRAIN, CP TRAP WITH INTEGRAL CLEANOUT, HAND-CAP OFFSET TAILPIECE LAV GUARD: TRUEBERG 103E-Z INSULATION KIT, TRIM: SINGLE LEVER FAUCET, AMERICAN STANDARD 2385.011, LESS POP-UP DRAIN AND HOLE CARRIER: ZURN Z-1231, MOUNT RIM AT HANDICAP HEIGHT.	1/2"	1/2"	1-1/4"	2"
FD-T		FLOOR DRAIN - TOILETS: ZURN ZN-415-P DURA-COATED CAST IRON BODY & ADJUSTABLE COLLAR, TRAP PRIMER CONNECTION, TYPE "B", 6" DIAMETER, POLISHED NICKEL BRONZE STRAINER, WITH FLASHING CLAMP DEVICE, VINYL FLOORING (WHERE APPLICABLE) SHALL BE RUN BENEATH & CLAMPED DOWN BY THE FLASHING DEVICE.	-	-	3"	2"
WATER HEATERS						
MARK	DESIGNATION & SPECIFICATION	COLD WATER	HOT WATER	TRAP/WASTE	VENT	
EWH-10	ELECTRIC WATER HEATER: A.O. SMITH DEL-10 FOAM INSULATED, SIDE CONNECTED, 10 GALLON, 1500 WATT, 110/120 VOLT, 12.5 AMPS, UL LISTED, ASHRAE APPROVED.	3/4"	3/4"	-	-	
E-TK	EXPANSION TANK: AMTROL ST SERIES THERMAL-X-TROL ASME MODEL ST-5-C, 3/4" CONNECTION, MAX. WORKING PRESSURE 150 PSI., TOTAL VOLUME GALLON 2.1	-	-	-	-	
SCS	SINGLE COMPARTMENT SINK: ELKAY "LUSTERTONE" LR-2522 COUNTER-TOP TYPE, SINGLE COMPARTMENT, 25" X 22" X 18" GAGE, 304 STAINLESS STEEL, WITH DROPPED LEDGE & RAISED FAUCET DECK, TWO HOLE CENTERED-RIGHT.	1/2"	1/2"	1-1/2"	2"	
BRS	TRIPLE COMPARTMENT SINK: ELKAY "TRADITIONAL GOURMET" LGR4322C COUNTER-TOP TYPE, TRIPLE COMPARTMENT, 43" X 22" X 18" GAGE, 304 STAINLESS STEEL, WITH DROPPED LEDGE & RAISED FAUCET DECK, TWO HOLE CENTERED-RIGHT.	1/2"	1/2"	1-1/2"	2"	
MISCELLANEOUS						
MARK	DESIGNATION & SPECIFICATION	COLD WATER	HOT WATER	TRAP/WASTE	VENT	
GD	DISPOSAL: IN-SINK-ERATOR PRO 77 1 HP, STAINLESS STEEL, 120/1 VOLT	-	-	-	-	
IMB	ICE MAKER BOX: WATER-TITE PRODUCT #9000 FLUSH MOUNTED WITH SINGLE VALVE AND SHOCK ARRESTOR	1/2"	-	-	-	
HB	HOSE BIBB: WOODFORD #249-3/4 WALL FAUCET, VACUUM BREAKER-BACKFLOW PROTECTED, WITH FLANGE AT WALL, MILD CLIMATE. PROVIDE WITH KEY	3/4"	-	-	-	
EWC-SL	ELECTRIC WATER COOLER: OASIS FRANKS 7.8 GPM 1/5 HP, 8.2 AMPS, 115/117V ADA AND UL APPROVED, WALL MOUNT, SPLIT LEVEL DOUBLE BASIN MODEL WITH TOUCH PADS ON FRONT & SIDES, STANDARD CABINET FINISH SANDSTONE, CP SUPPLIES WITH STOPS, CP ESCUTCHEONS, CP GRID DRAIN, CP TRAP WITH INTEGRAL CLEANOUT	1/2"	-	1-1/4"	2"	
TP	TRAP PRIMER: ZURN Z-1021 WATER SAVER TYPE, CP BRONZE, 1/2" PIPING AND ESCUTCHEON PLATES, ROUTE PRIMER PIPING IN WALL TO FLOOR DRAIN.	-	-	-	-	
FCO	FLOOR CLEANOUT: ZURN ZN-1400-VP INTERIOR, FLOOR TYPE, ABS TAPERED PLUG WITH GASKET SEAL & NICKEL BRONZE TOP, "C.O." CAST IN THE TOP, SPANNER WRENCH REMOVAL	-	-	-	-	
AAV	AIR ADMITTANCE VALVE: STUDDOR CODE APPROVED INDOOR VENT, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S APPROVED INSTALLATION INSTRUCTIONS.	-	-	-	-	

- NOTES:
- APPROVED MANUFACTURERS OF FIXTURES ARE AMERICAN STANDARD, TOTO, KOHLER AND ELJER.
  - APPROVED MANUFACTURERS OF FAUCETS ARE AMERICAN STANDARD, TOTO, DELTA, T & S AND CHICAGO.
  - APPROVED MANUFACTURERS OF FLOOR DRAINS AND CLEANOUTS ARE J.R. SMITH, JOASM, WATTS AND ZURN.
  - APPROVED MANUFACTURERS OF THE WATER HEATERS ARE A.O. SMITH, STATE, RHEEM AND RUUD.
  - APPROVED MANUFACTURERS OF WATER COOLER IS ELKAY, OASIS AND HAWS.
  - ALL SUPPLIES SHALL BE PROVIDED WITH CHROME PLATED ANGLE STOPS AND TUBING EQUAL TO EASTMAN, BRASS-CRAFT OR EQUAL.

- ### WATER PIPING
- WATER PIPING ABOVEGROUND SHALL BE TYPE "L" COPPER (ASTM B88-89), WITH WROUGHT COPPER FITTINGS (ASTM B16.22-89) AND 95-5 SILVER SOLDERED JOINTS. SCHEDULE 40 GALVANIZED STEEL (ASTM A-53) MAY BE USED FOR PIPING 3" AND LARGER.
  - WATER PIPING BELOWGROUND SHALL BE TYPE "K" COPPER, WROUGHT COPPER FITTINGS (ASTM B16.22-89), WITH VINYL SLEEVE FOR CORROSION PROTECTION AND SILVER SOLDERED JOINTS. ALTERNATIVELY, UPONER (WIRSBO) AQUAPEX TYPE "PEX" CROSS-LINKED POLYETHYLENE PLASTIC TUBING (ASTM F876) MAY BE USED BELOWGROUND. SCHEDULE 40 GALVANIZED STEEL (ASTM A-53) MAY BE USED FOR PIPING 3" AND LARGER. FITTINGS SHALL BE CLASS 125.
  - SUPPORT ALL PIPING WITH PIPE HANGERS BY GRINELL OR APPROVED EQUAL. HANGERS SHALL BE SPECIFICALLY SELECTED FOR USE WITH THE PIPE MATERIAL AND INSULATION THICKNESS (IF INSULATED) SPECIFIED.
  - PROVIDE EACH FIXTURE WITH SHUTOFF SUPPLY STOPS. EXPOSED STOPS AND SUPPLY PIPING SHALL BE CHROME PLATED WITH A CHROME PLATED ESCUTCHEON AND SET SCREW.
  - PROVIDE SERVICE VALVES AT ALL BRANCH SUPPLY LINES. ALL VALVES SHALL BE 125 LB SERVICE RATED. SHUTOFF VALVES SHALL BE BALL OR GATE TYPE AND SHALL BE INSTALLED CLOSE TO CEILINGS FOR ACCESS.
  - PROVIDE UNIONS FOR ALL CONNECTIONS TO SERVICEABLE EQUIPMENT. UNIONS SHALL BE DIELECTRIC TYPE WHERE DISSIMILAR METALS ARE CONNECTED.
  - HOT WATER PIPING INSULATION SHALL BE EITHER FIBERGLASS "MANVILLE MICRO-LOK AP-1" OR CLOSED CELL "ARMAFLEX".
  - INSULATE HOT WATER PIPING AS FOLLOWS: RECIRCULATING PORTIONS (IF PRESENT) SHALL PROVIDE 1" INSULATION FOR PIPING UP TO AND INCLUDING 2", 1-1/2" INSULATION FOR PIPING LARGER THAN 2" AND 1/2" INSULATION ON ALL RUNOUTS TO INDIVIDUAL FIXTURES. NON-CIRCULATING PORTIONS SHALL PROVIDE 1" INSULATION ON THE INLET PIPING FROM THE HEAT TRAP TO THE TANK, AND ON THE DISCHARGE PIPING FOR A DISTANCE OF 8 FEET. FIBERGLASS FITTING SHALL BE WRAPPED WITH MANVILLE "ZESTON 2000" PVC FITTING COVERS.
  - ALL WATER PIPING INSTALLED INSIDE CMU WALLS SHALL BE PROTECTED FROM CORROSION WITH EITHER INSULATION OR A CONTINUOUS VINYL SLEEVE.
  - PROVIDE WATER HAMMER ARRESTORS, EQUAL TO J.R. SMITH 6000 SERIES, IN ACCORDANCE WITH PD1 STANDARD WH-201 AT ALL QUICK CLOSING VALVES AND AT FLUSH VALVES. FIXTURES IN A BATTERY MAY BE SERVED BY A SINGLE ARRESTOR PLACED AT THE END OF A FULL SIZED HEADER. FIELD FABRICATED ARRESTORS ARE NOT ACCEPTABLE.
  - PROVIDE VACUUM BREAKERS, OR BACKFLOW PREVENTERS, AS REQUIRED BY CODE.
  - PROVIDE TRAP PRIMERS AS REQUIRED BY CODE.
  - TEST ALL WATER PIPING AT 100 PSIG FOR SIX HOURS OR AS REQUIRED BY THE BUILDING DEPARTMENT.
  - STERILIZE WATER PIPING IN ACCORDANCE WITH HEALTH DEPARTMENT REGULATIONS.



**GRAMLICH & ASSOCIATES, P.A.**  
 REGISTERED PROFESSIONAL ARCHITECTS  
 13191 STAREY ROAD, SUITE 17  
 LARGO, FLORIDA 33773  
 (727) 536-0464 FAX: (727) 530-6991

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 142 COURT STREET CLEARWATER, FLORIDA 33767  
 (727) 449-2000 FAX: (727) 447-5888  
 STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER: AR-00065441  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: ACC00005

REVISION

NO. DATE

BY

DATE

DATE: 7 Nov 07

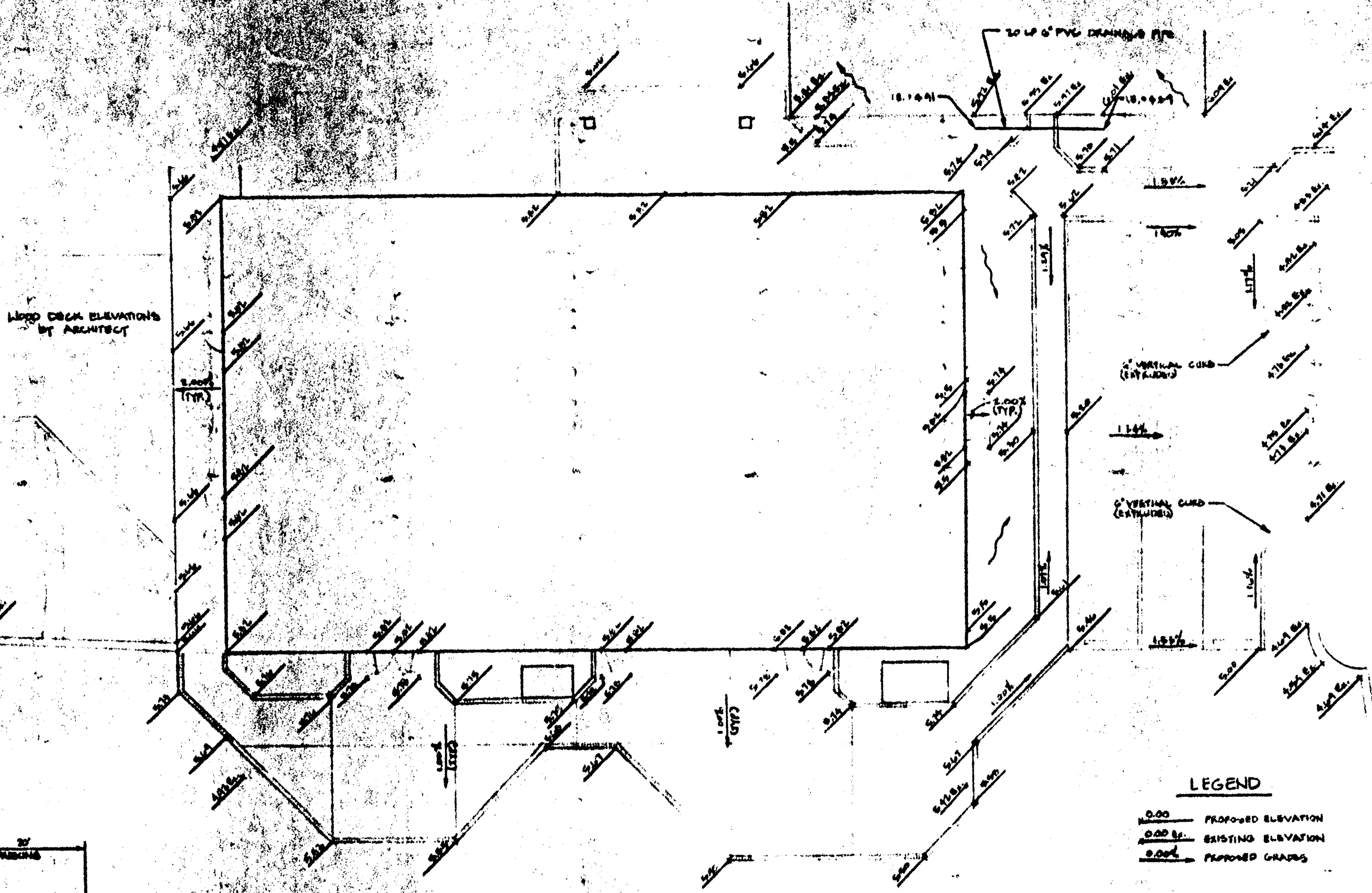
DRAWN: JRW

WATER PLAN, ISOMETRIC, AND SCHEDULE  
 Clearwater Beach Library &  
 Recreation Center Consolidation  
 60 BAY ESPERANDE  
 CLEARWATER, FLORIDA 33767

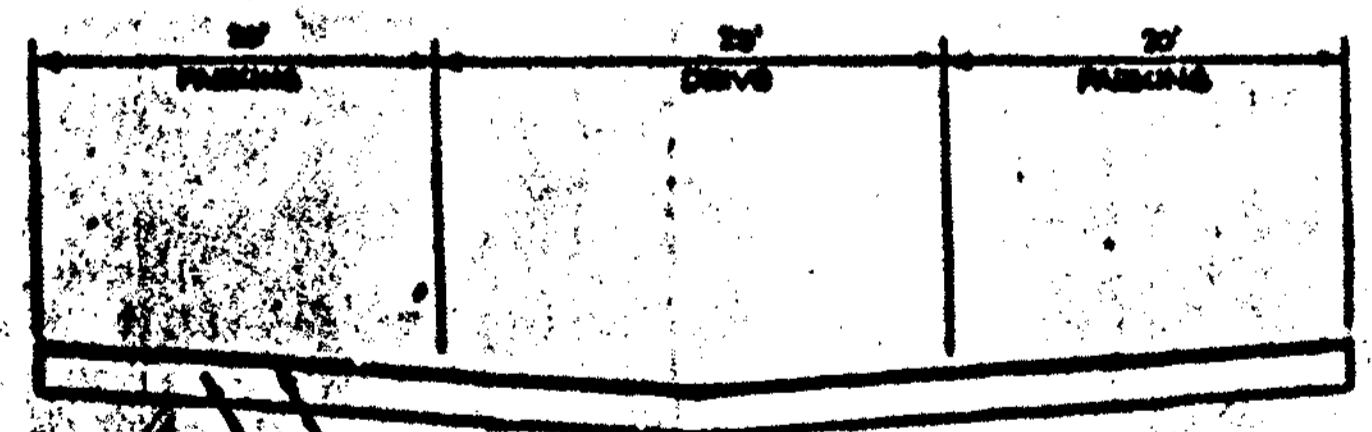
NOV 09 2007

07-214

P-2



WOOD DECK ELEVATIONS  
BY ARCHITECT



1 1/2" PG-3 ASPHALT CONCRETE  
4" SOIL CEMENT BASE (500 P.S.I. @ 1 DAY)  
COMPACTED TO 98% AASHTO T-99

**PAVEMENT SECTION**  
N.T.S.

SCALE 1"=10'

**LEGEND**  
 0.00 PROPOSED ELEVATION  
 0.00 EX. EXISTING ELEVATION  
 0.00 PROPOSED GRADES

Best Copy Available

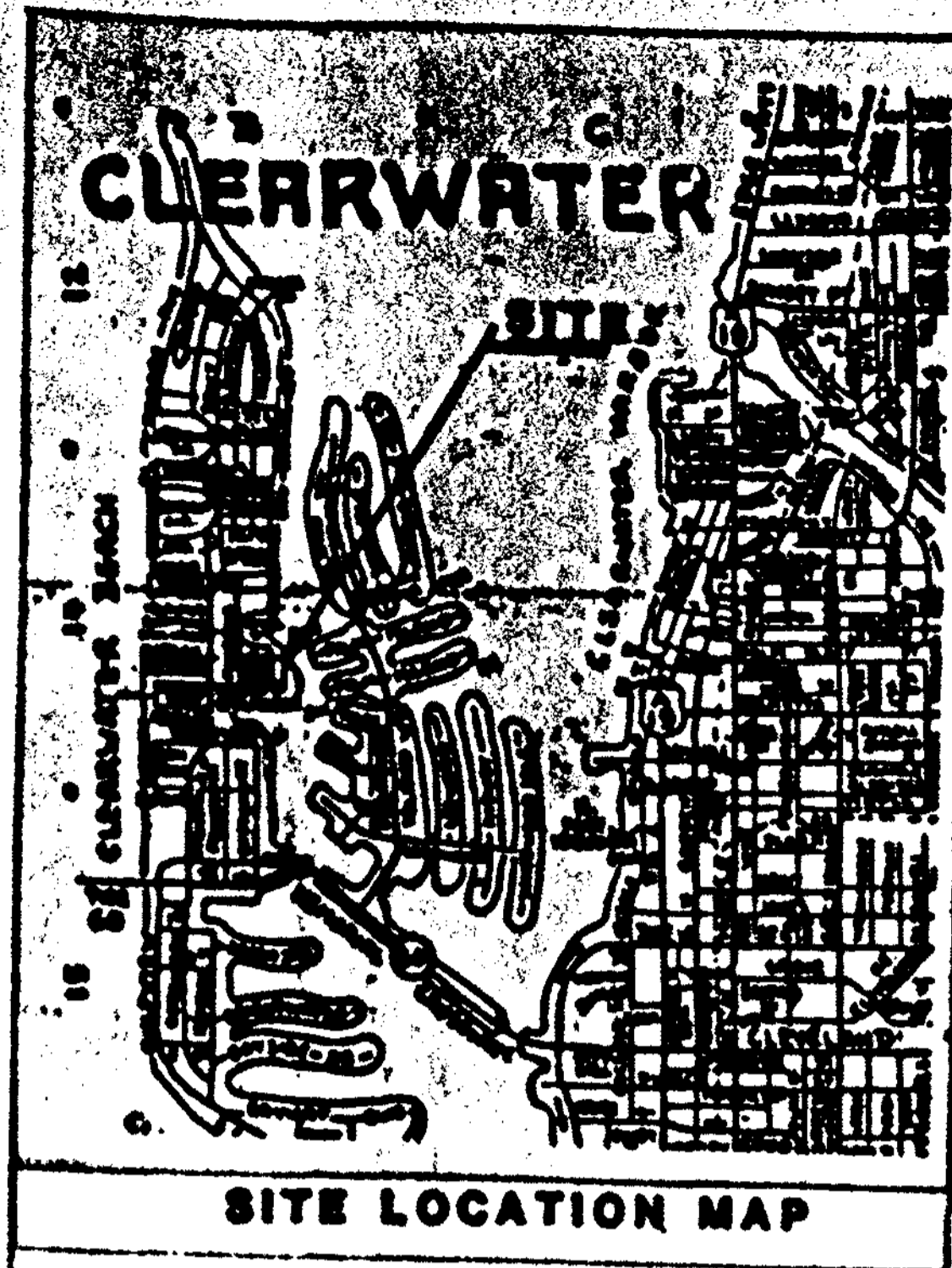
**KEA** KING ENGINEERING ASSOCIATES, INC.  
 Engineers - Planners - Surveyors - Architects - Landscape Architects  
 1000 W. 10th Street, Suite 100  
 Clearwater, FL 34615  
 Phone: 727-799-1111  
 Fax: 727-799-1112

**MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA**  
 ARCHITECTS  
 600 BREV STREET  
 CLEARWATER, FL 34609  
 441-0000 441-7300

APPLICANT TO  
**CLEARWATER BEACH  
 RECREATION CENTER**  
 FOR THE CLEARWATER BEACH RECREATION DISTRICT  
 1000 W. 10th Street, Suite 100  
 Clearwater, FL 34615  
 Phone: 727-799-1111  
 Fax: 727-799-1112

NOV 09 2007  
 DEVELOPMENT SERVICES  
 CITY OF CLEARWATER

**GRADING PLAN**

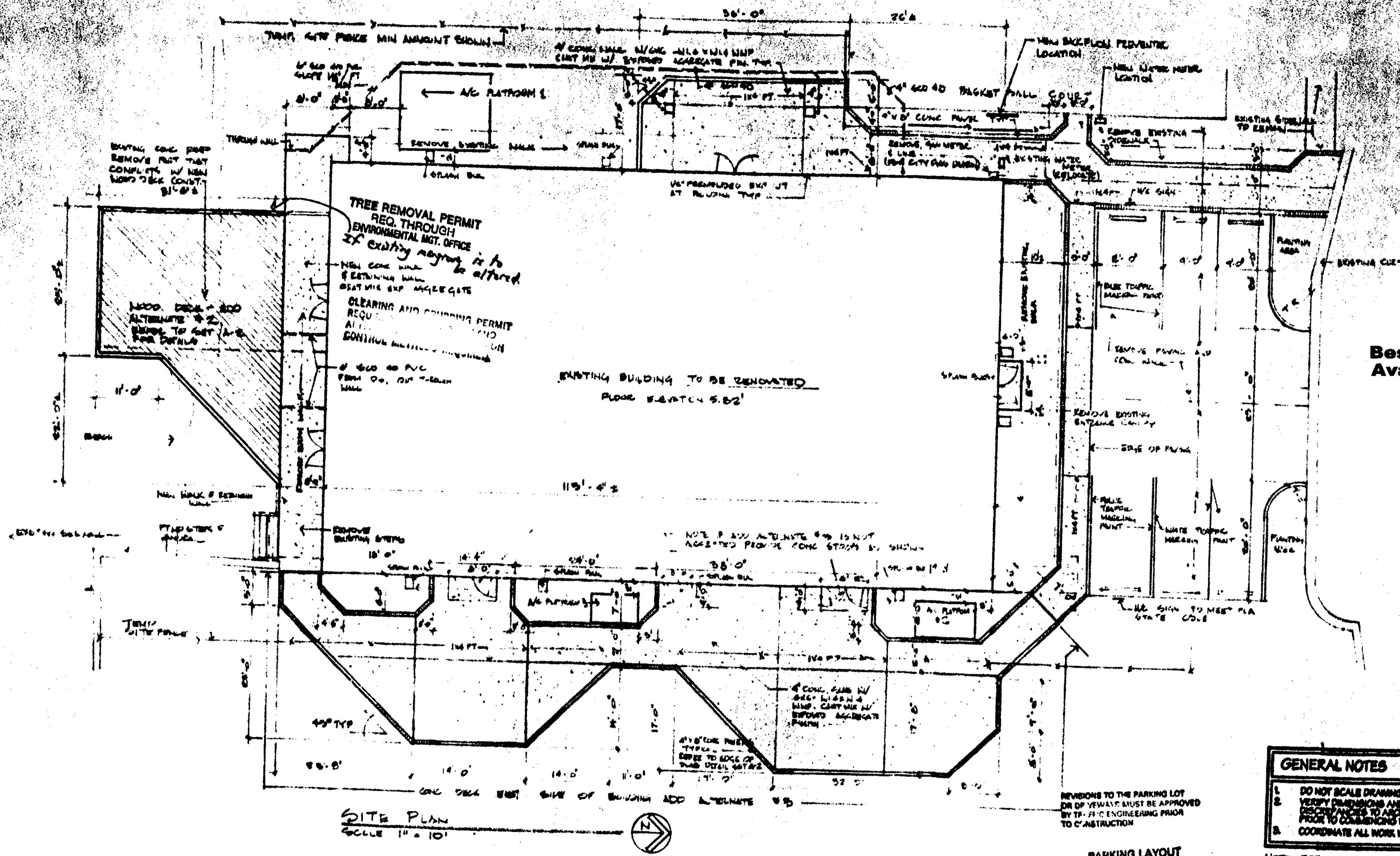


**ABBREVIATIONS**

CONC.	CONCRETE	WOOD	WOOD
BRICK	BRICK	GLASS	GLASS
...	...	...	...

**MATERIAL LEGEND**

(Symbol)	FRAME WALL
(Symbol)	CONCRETE MASONRY UNIT
(Symbol)	CONCRETE IN SECTION
(Symbol)	BATT INSULATION



**SYMBOLS**

- WALL SECTION: ARROW INDICATES DIRECTION OF CUT. LAST TWO DIGITS = SECTION NUMBER. FIRST TWO DIGITS = SHEET SHOWN ON.
- DETAIL: ARROW INDICATES DIRECTION OF CUT. LAST TWO DIGITS = DETAIL NUMBER. FIRST TWO DIGITS = SHEET SHOWN ON.
- INTERIOR WALL LOCATION KEY: SYMBOL INDICATES PLAN ORIENTATION OF WALL IN RELATION TO FINISH SCHEDULE.
- DOOR NUMBER
- INTERIOR ELEVATION NUMBER
- ROOM NUMBER
- TOILET ACCESSORY
- FIRE EXTINGUISHER

**SCHEDULE OF DRAWINGS**

CMT NO.	TITLE	CMT NO.	TITLE
A-1	SITE PLAN - SUBMITTED	D-1	FOUNDATION PLAN
A-2	SITE PLAN	D-2	COLE BEARING PLAN
A-3	FLOOR PLAN	D-3	STRUCTURAL NOTES
A-4	SECTION PLAN - SECTIONS	E-1	POWER PLAN
A-5	INTERIOR ELEVATIONS	E-2	LOADING PLAN
A-6	EXTERIOR ELEVATIONS	B-3	SCHEMATIC FLOOR PLAN
A-7	BUILDING SECTIONS	M-1	MATERIAL SCHEDULE
A-8	WALL SECTIONS	M-2	LIFELINE EQUIPMENT LAYOUT
A-9	WALL SECTIONS	M-3	SCHEDULE / DETAILS
A-10	WALL SECTIONS - CABINET DETAILS	P-1	PLUMBING FLOOR PLAN
A-11	INTERIOR ELEVATIONS	P-2	LIFT FLOOR PLAN
A-12	INTERIOR ELEVATIONS - FINISH SCHEDULE	P-3	SCHEMATIC FLOOR PLAN
A-13	EXTERIOR ELEVATIONS - DETAILS		
A-14	DOOR SCHEDULE - DETAILS - SIGNAGE		
A-15	REFLECTED CEILING PLAN		
C-1	GENERAL PLAN		

**GENERAL NOTES**

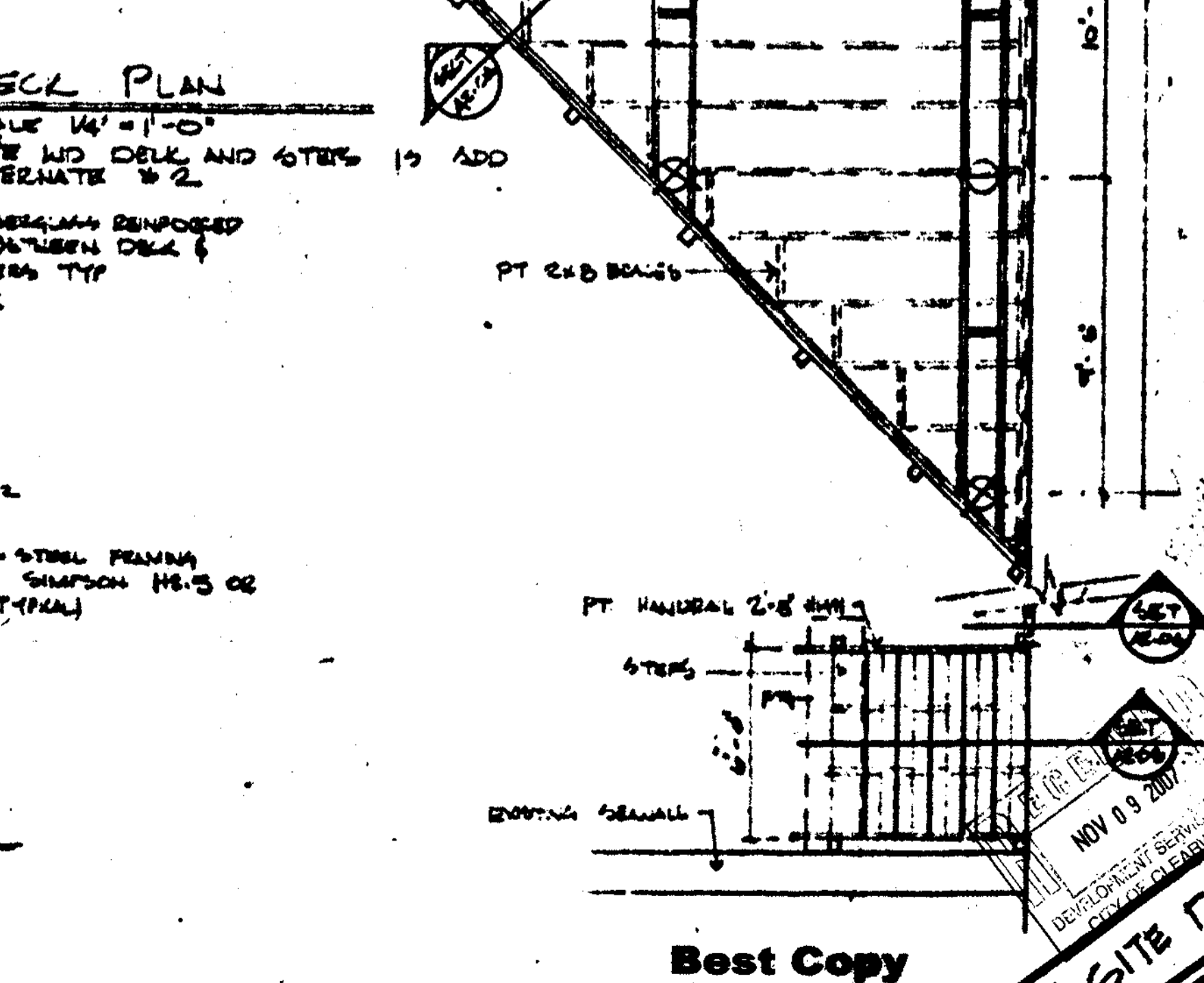
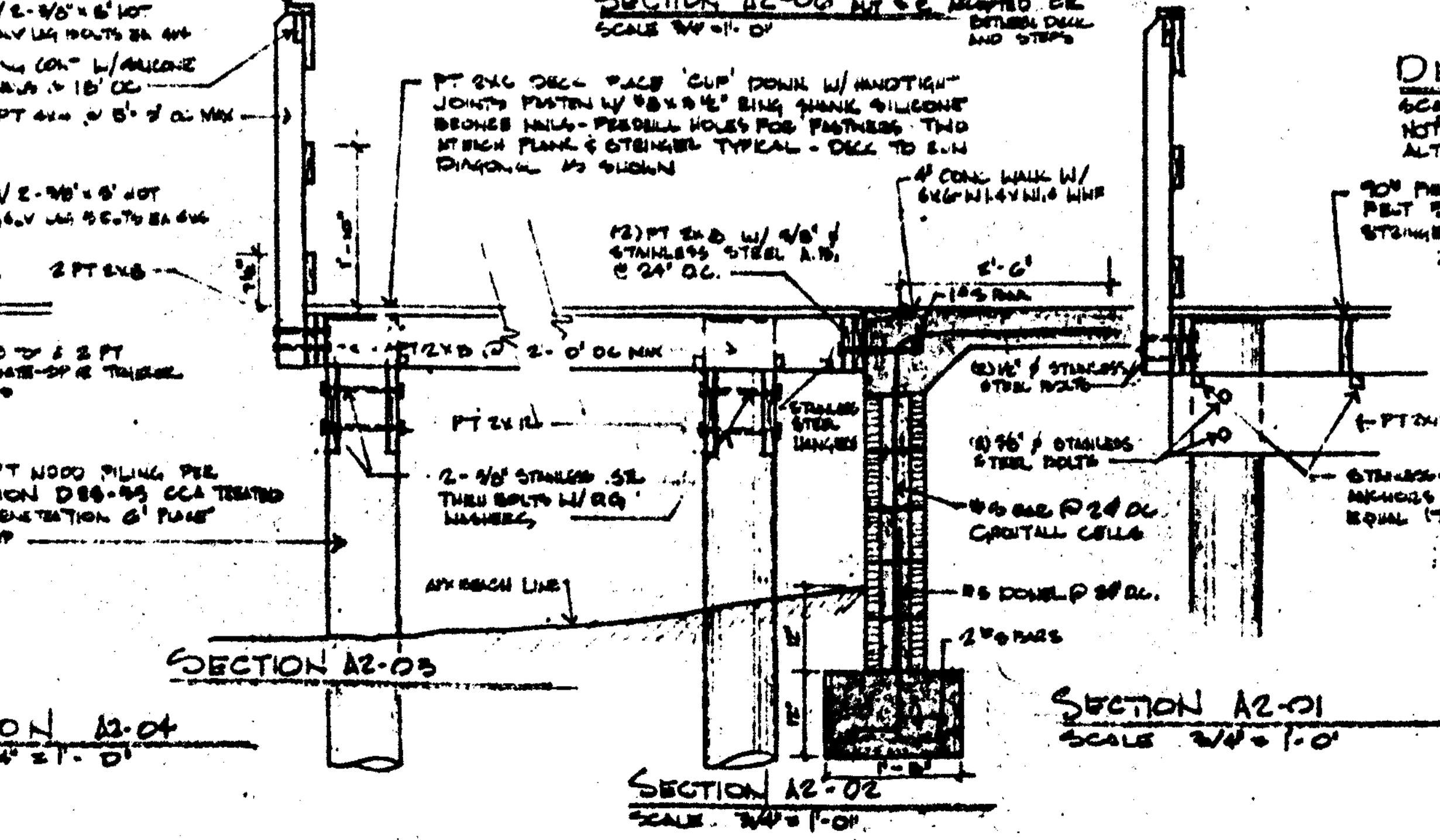
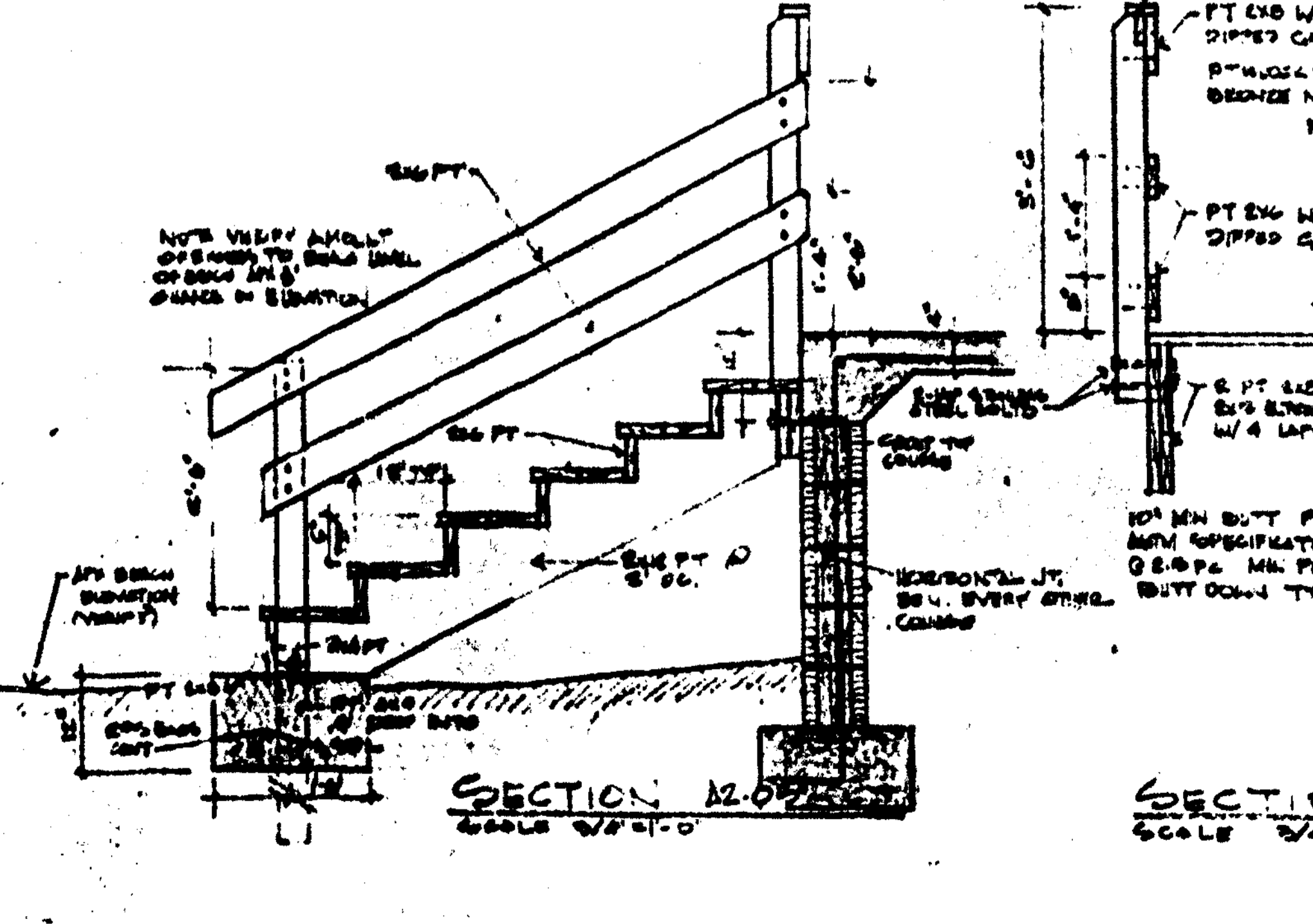
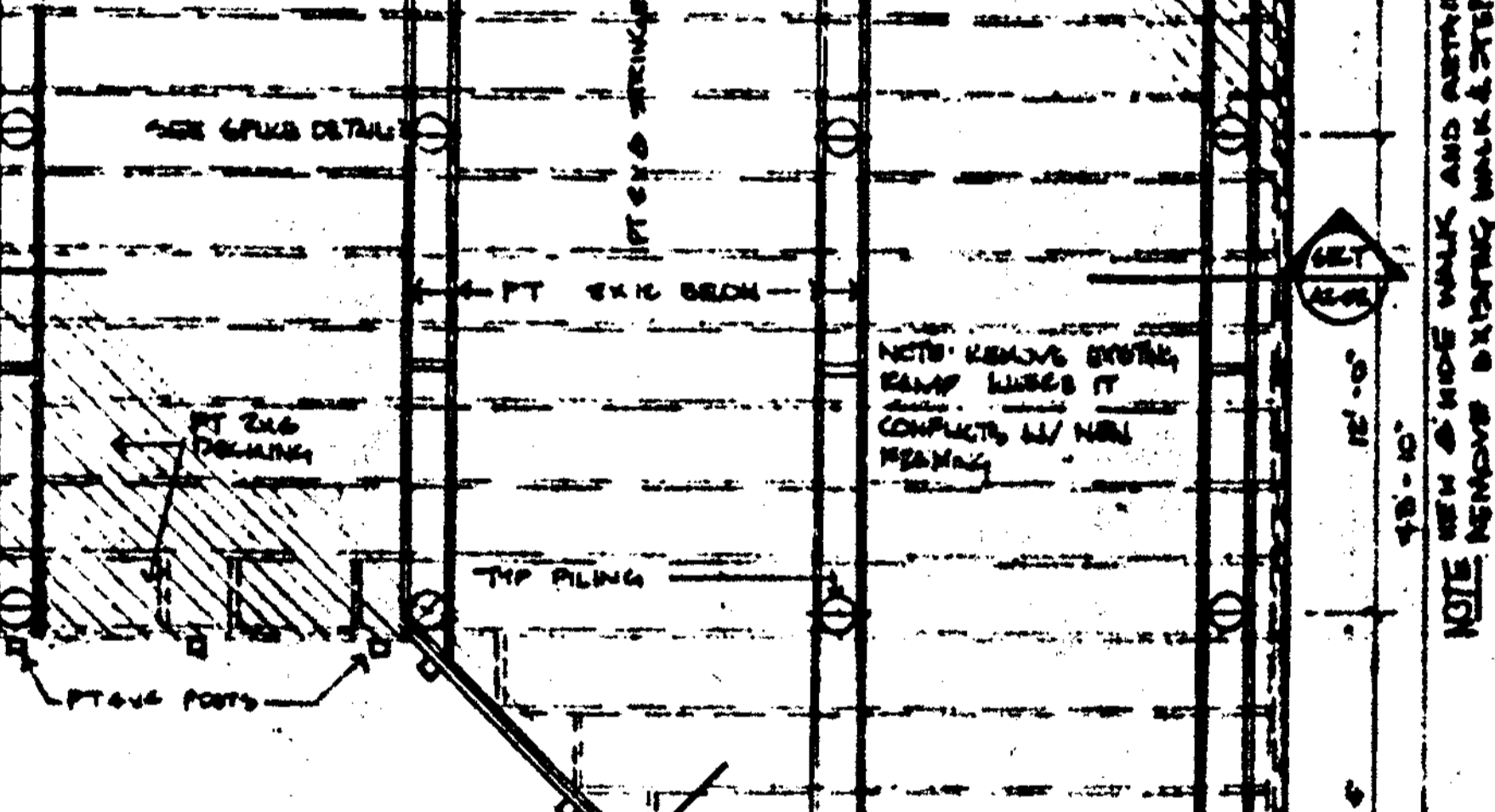
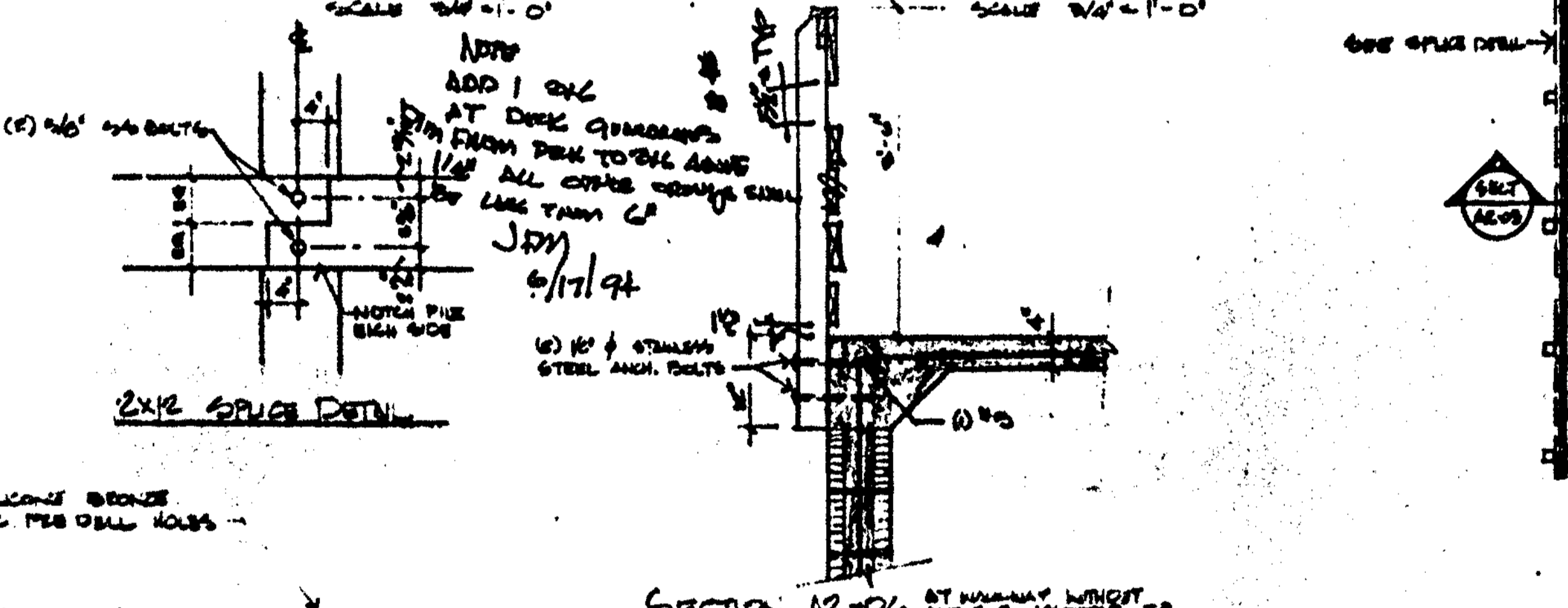
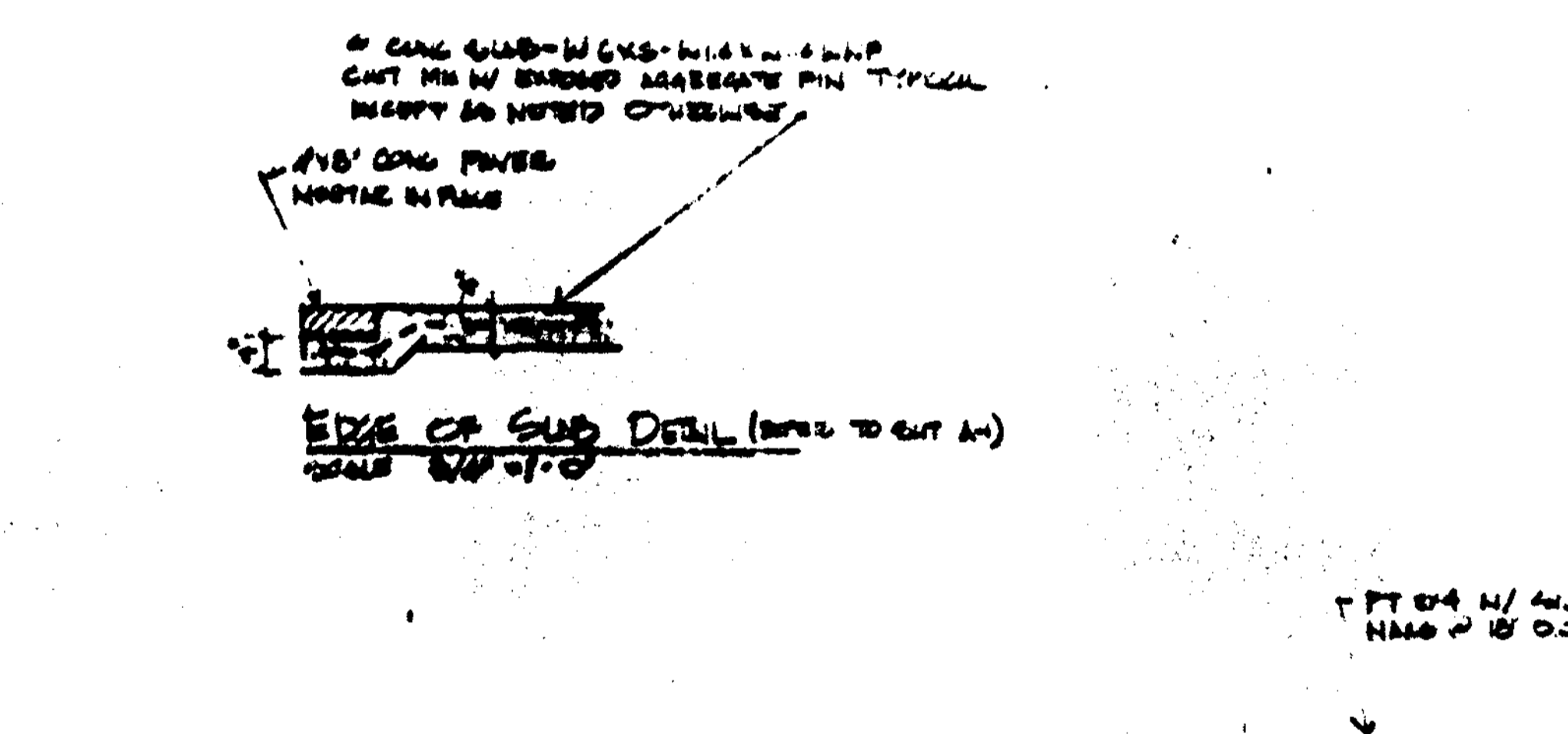
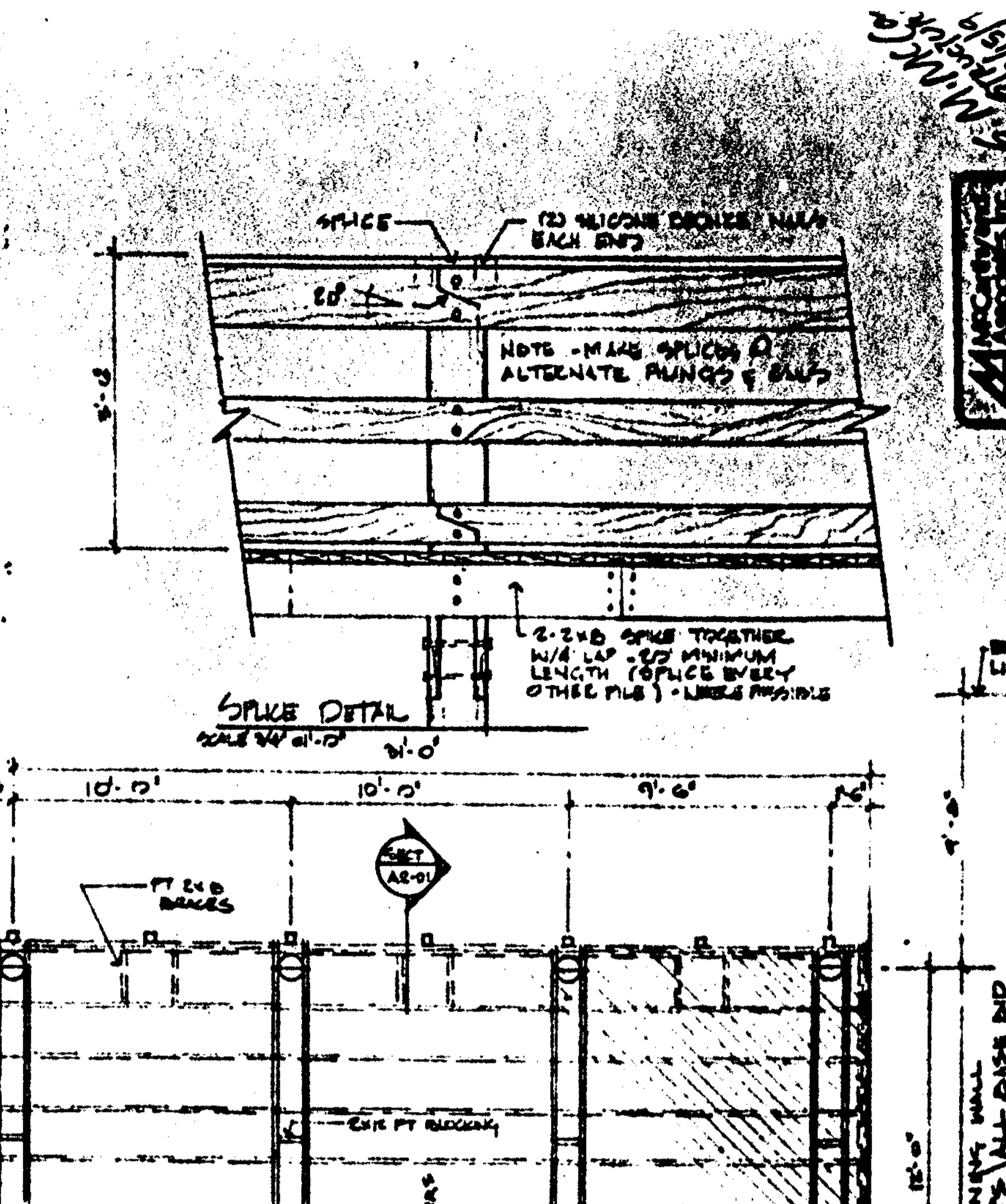
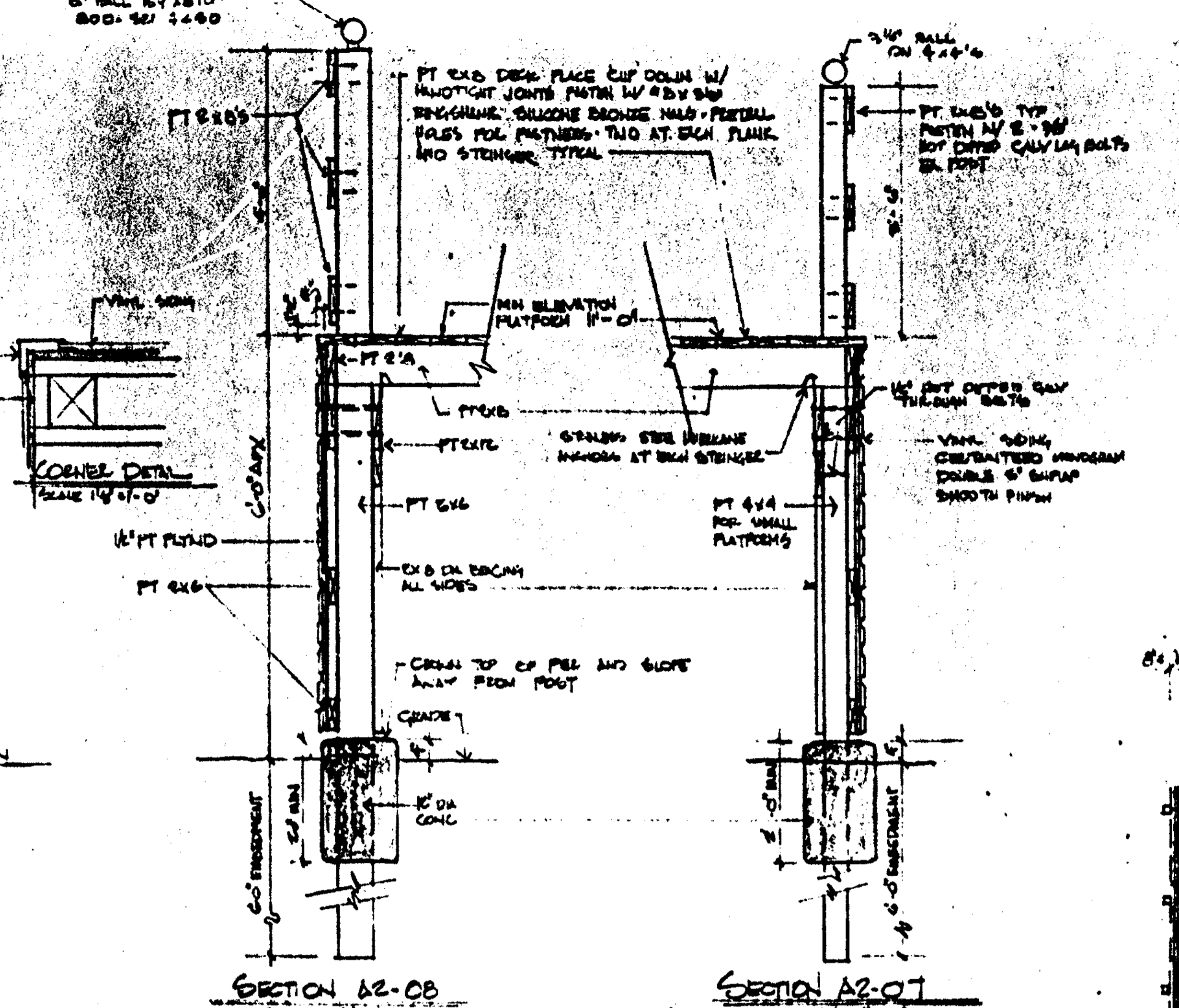
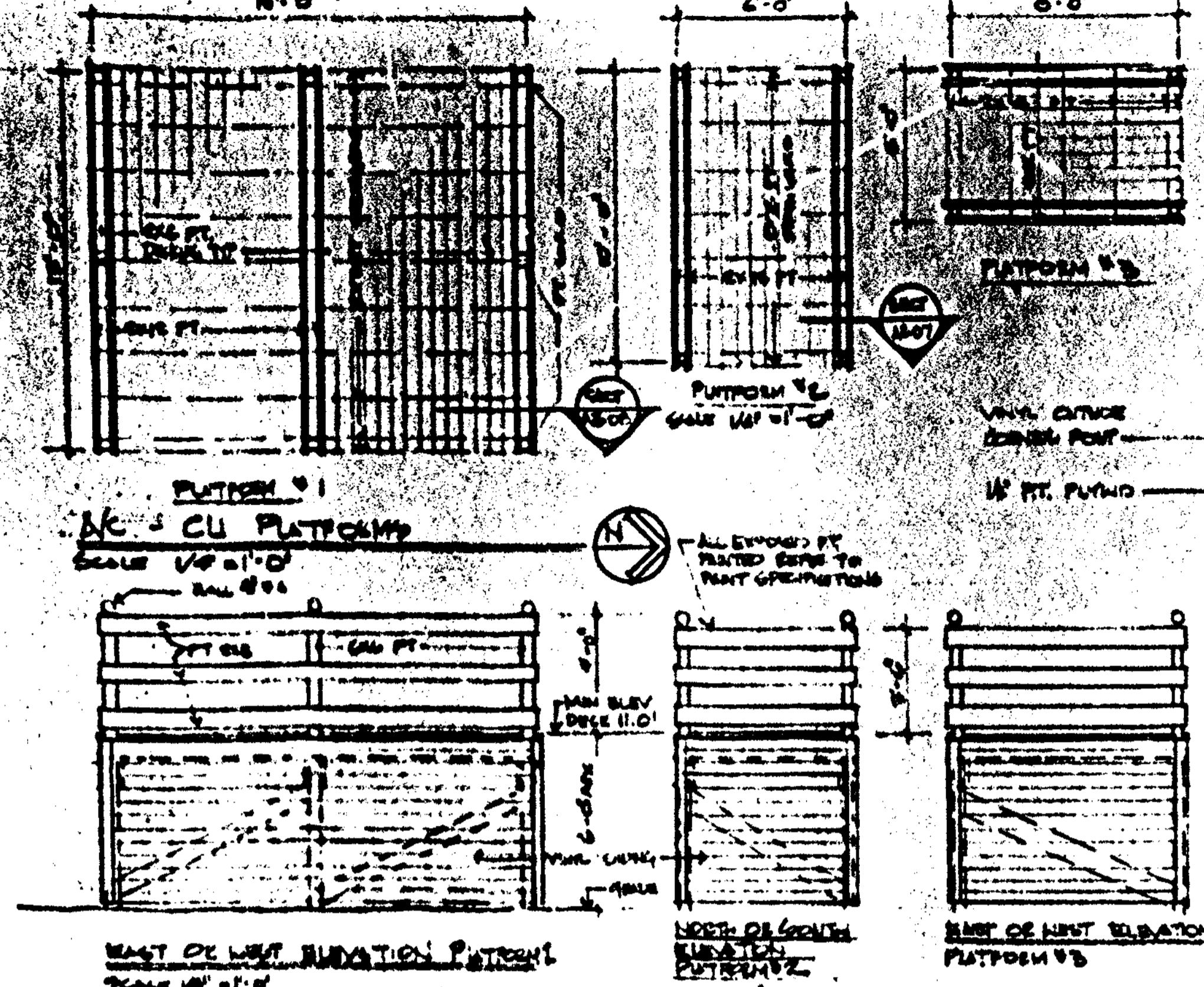
- DO NOT SCALE DRAWINGS.
  - VERIFY DIMENSIONS AND REPORT DISCREPANCIES TO ARCHITECT PRIOR TO COMMENCING WORK.
  - COORDINATE ALL WORK WITH ALL TRADES.
- NOTE REFER TO SPECIFICATION SECTION 0500 ALTERNATES FOR SCHEDULE OF ALTERNATES & THROUGH G.

PARKING LAYOUT APPROVED  
 Date: 4/26/19  
 By: [Signature]  
 Traffic Engineering Dept.

**MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA**  
 800 DREW STREET  
 CLEARWATER, FL 34615  
 407-0030 407-7900

CLEARWATER BEACH RECREATION CENTER FOR THE CLEARWATER PARKS & RECREATION DEPT.  
 94060775

NOV 09 2007  
 CITY OF CLEARWATER  
 PERMITS DIVISION  
 A-1  
 A-18



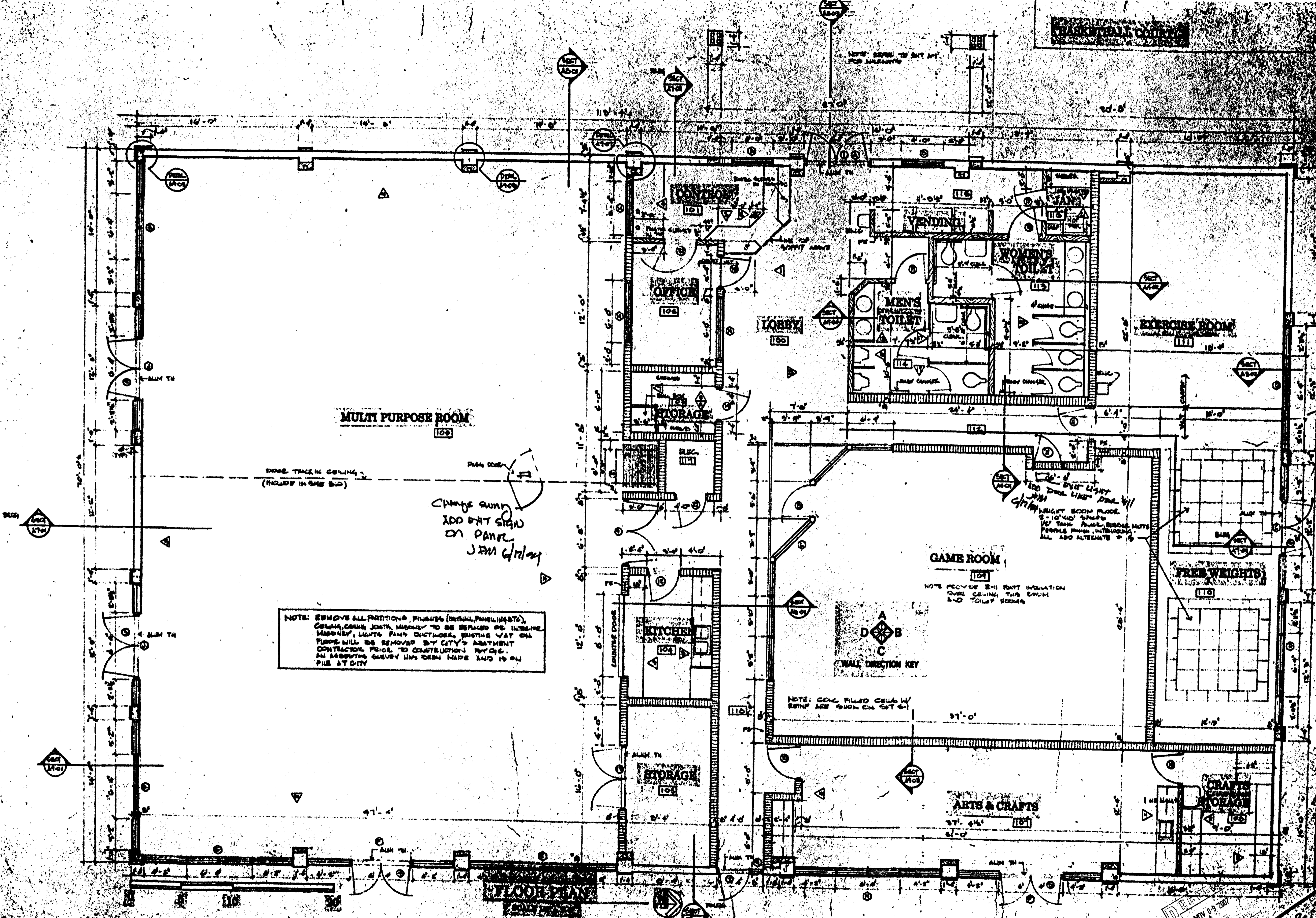
**MYERS, PLSIKO, OTT ARCHITECTS, P.A.**  
 800 DRIVE STREET  
 CLEARWATER, FL 34615  
 407-790-0000

**CLEARWATER BEACH RECREATION CENTER**  
 FOR THE CLEARWATER PARK & RECREATION DEPT.  
 CLEARWATER, FL 34615

NOV 09 2007  
 DEPARTMENT OF RECREATION  
 PROJECT # 07-00000000

**SITE DETAIL**

Best Copy Available



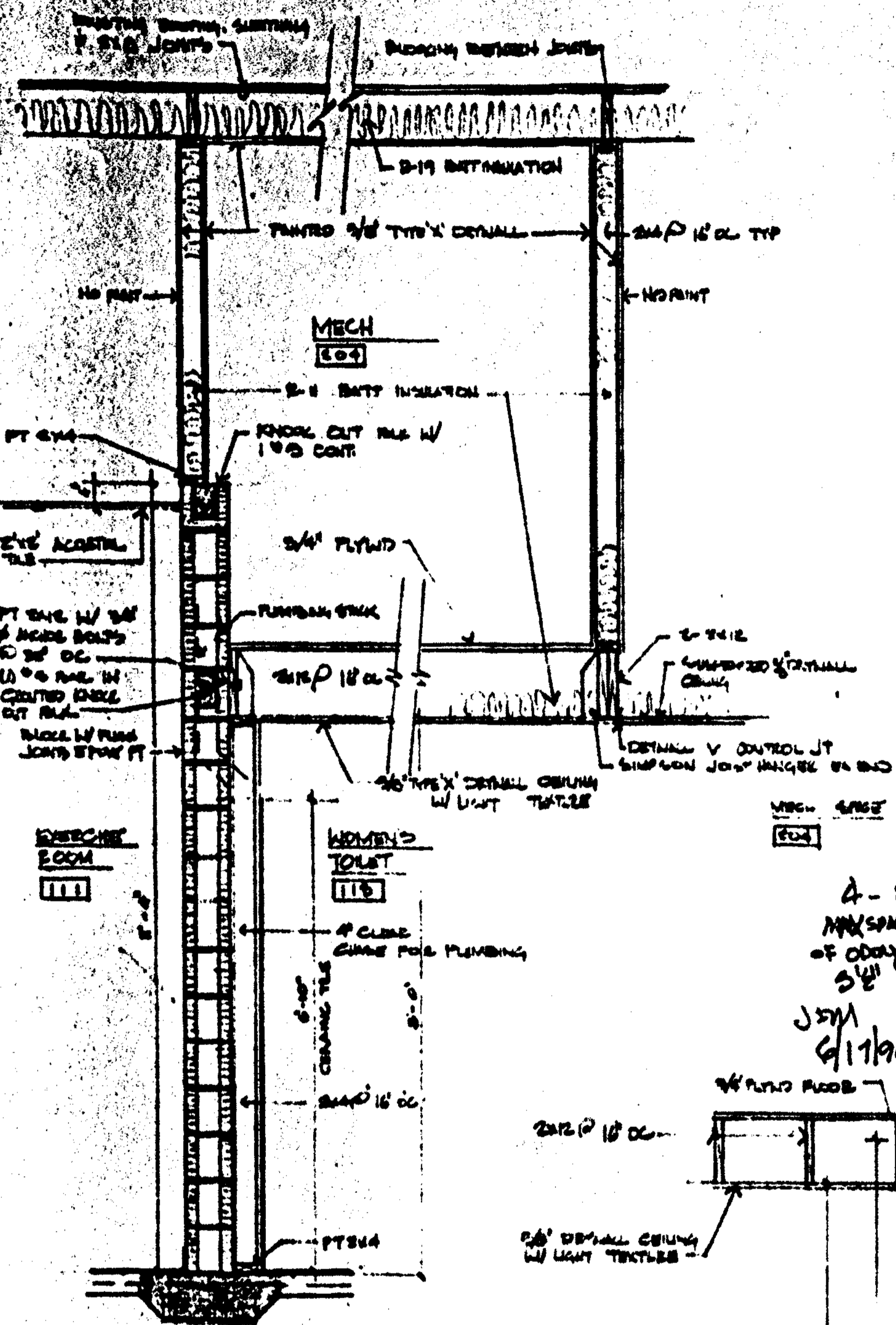
**MYERS, PLISKO, OTT ARCHITECTS P.A.**  
 300 BROAD STREET  
 CHICAGO, ILL. 60601  
 TEL: 312.467.1100  
 FAX: 312.467.1101

**CLEARWATER BEACH RECREATION CENTER**  
 2000 CLEARWATER BEACH DRIVE  
 CLEARWATER, FL 34615  
 TEL: 727.261.1100  
 FAX: 727.261.1101

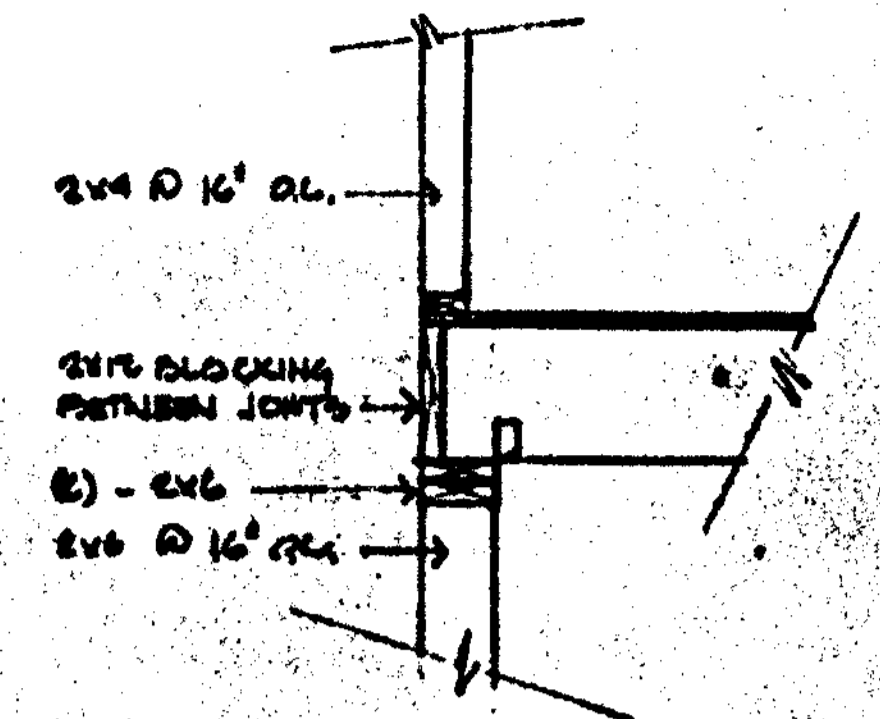
NOV 09 2007  
 REVISIONS  
 WEST OF CLEARWATER

Best Copy Available

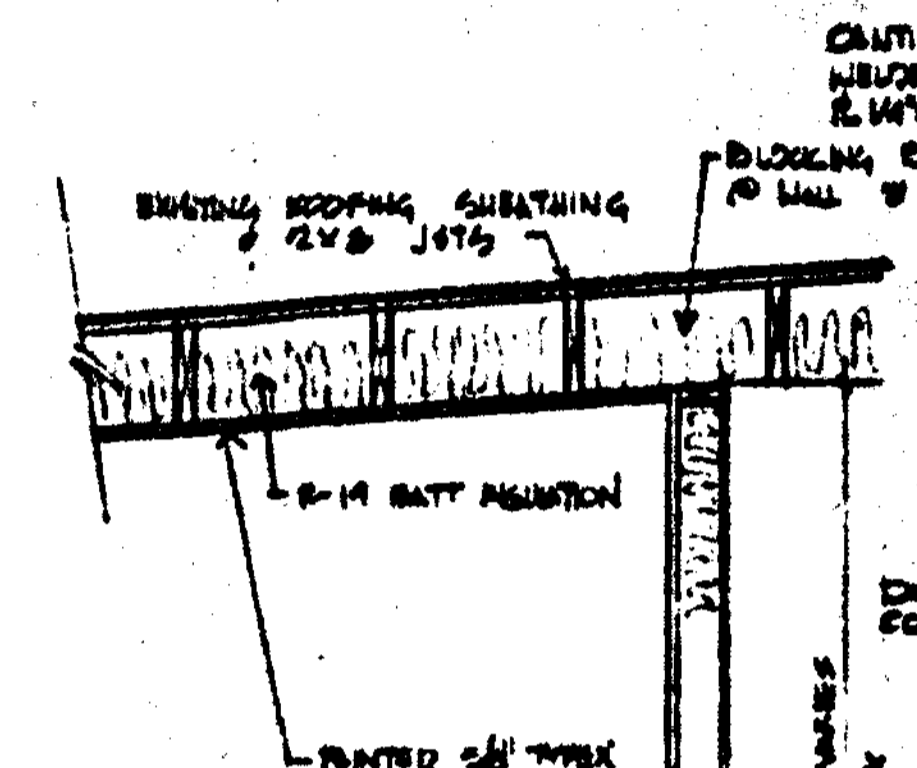
FLOOR PLAN



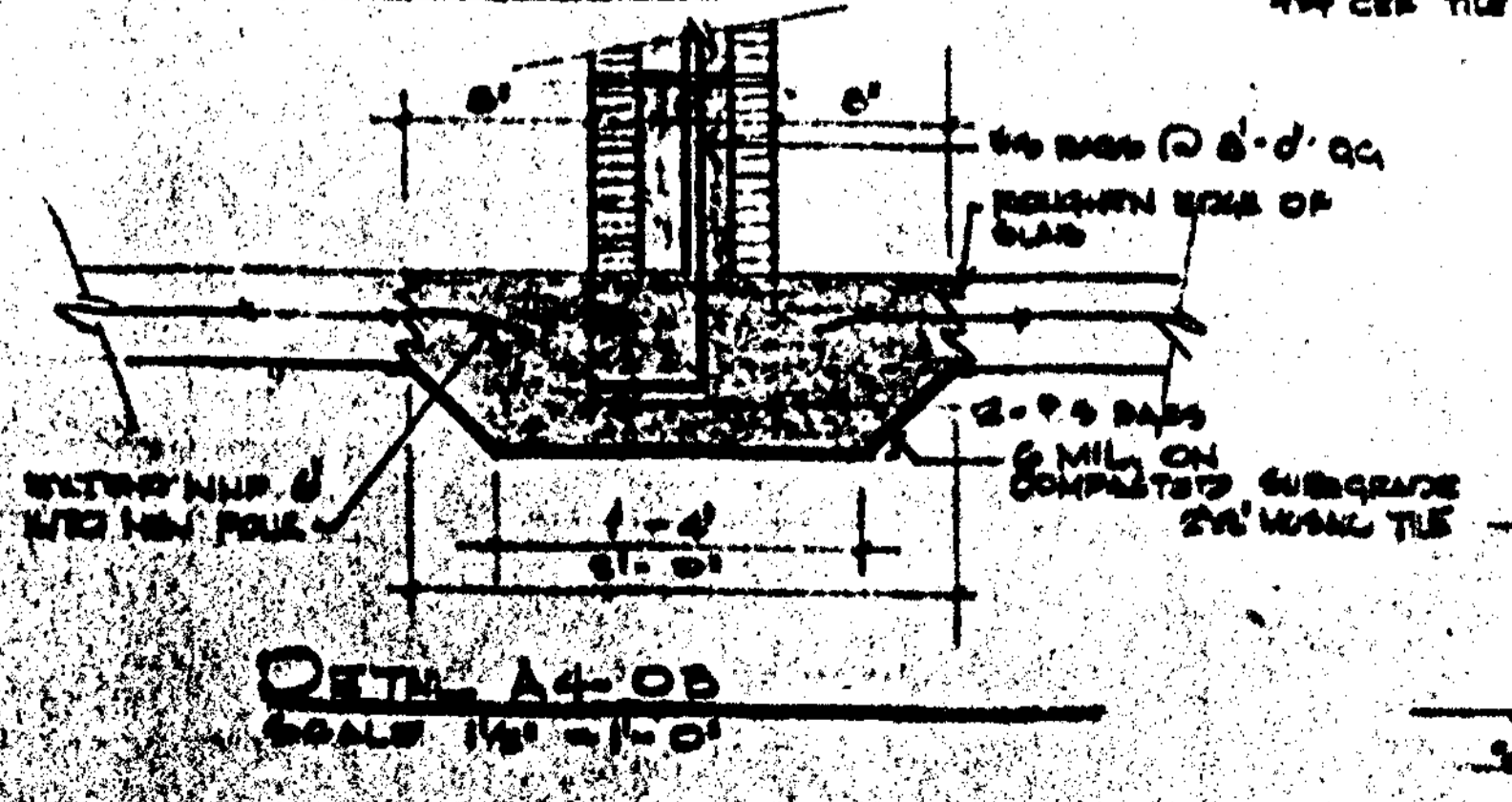
SECTION A4-02



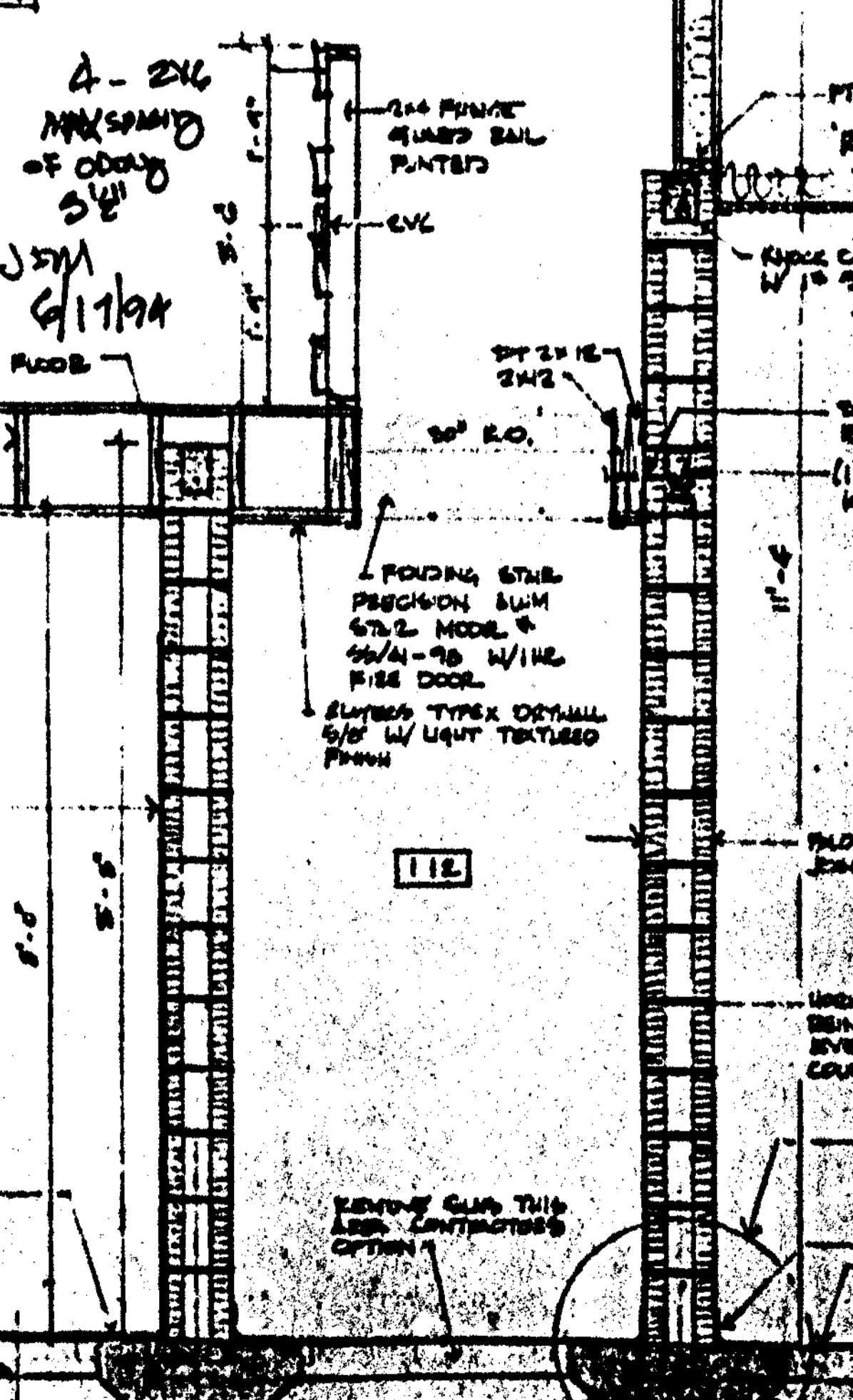
DETAIL A4-04  
SCALE 3/4\"/>



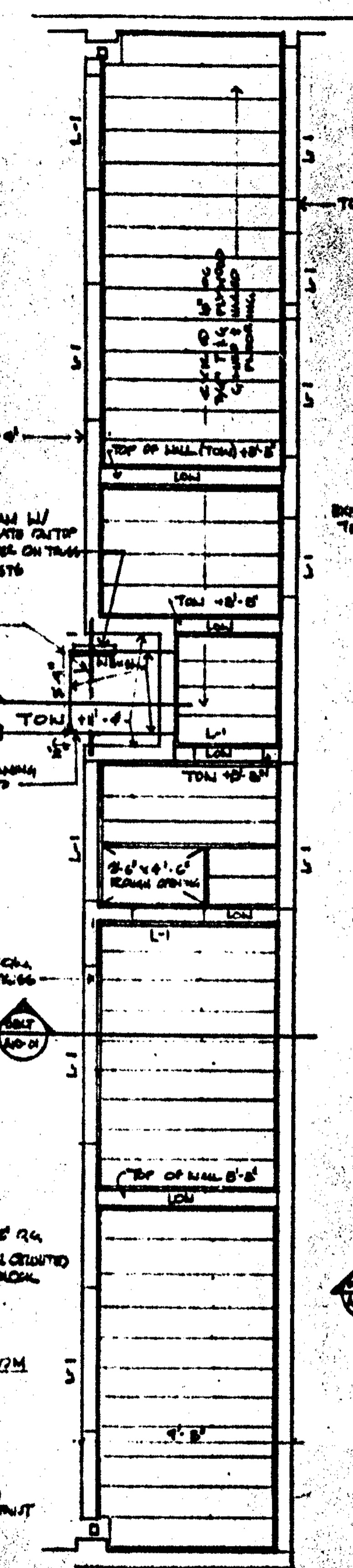
DETAIL A4-03 (TYP)



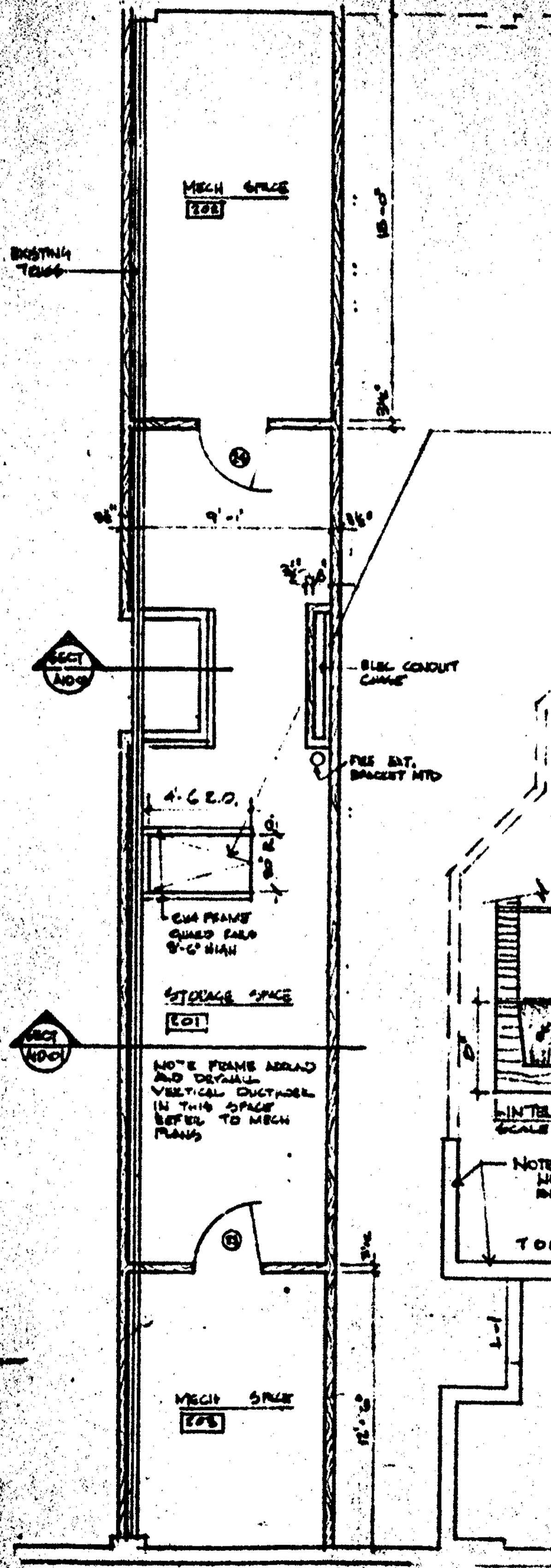
DETAIL A4-05  
SCALE 1/2\"/>



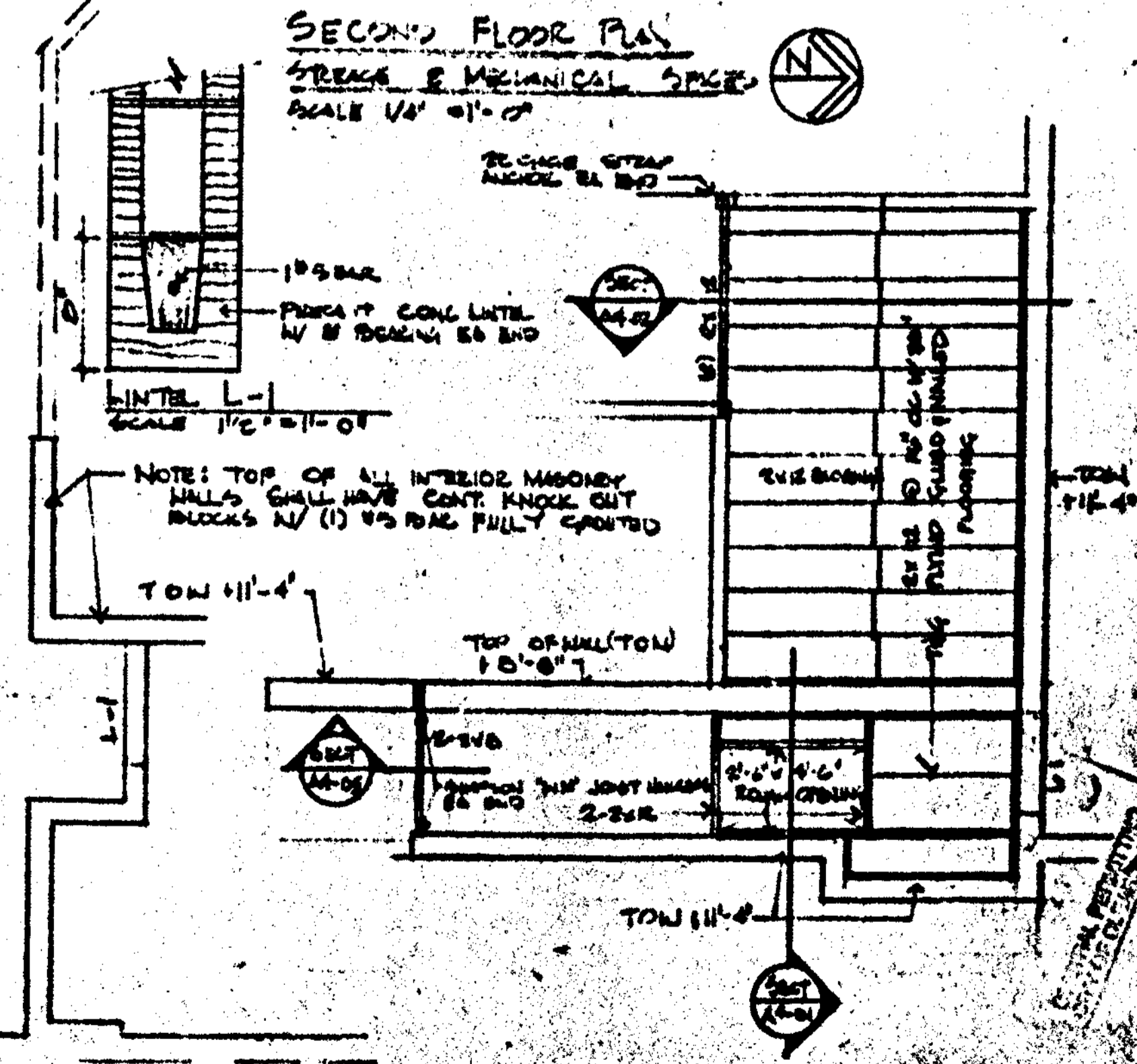
SECTION A4-01  
SCALE 3/4\"/>



FRAMING PLAN  
SCALE 1/2\"/>



DETAIL A4-05  
SCALE 3/4\"/>



SECOND FLOOR PLAN  
SCALE 1/4\"/>

FRAMING PLAN MECH SPACE 104

NOV 03 2011  
REVISIONS  
BY: [Signature]  
CHECKED BY: [Signature]  
DATE: 11/03/11

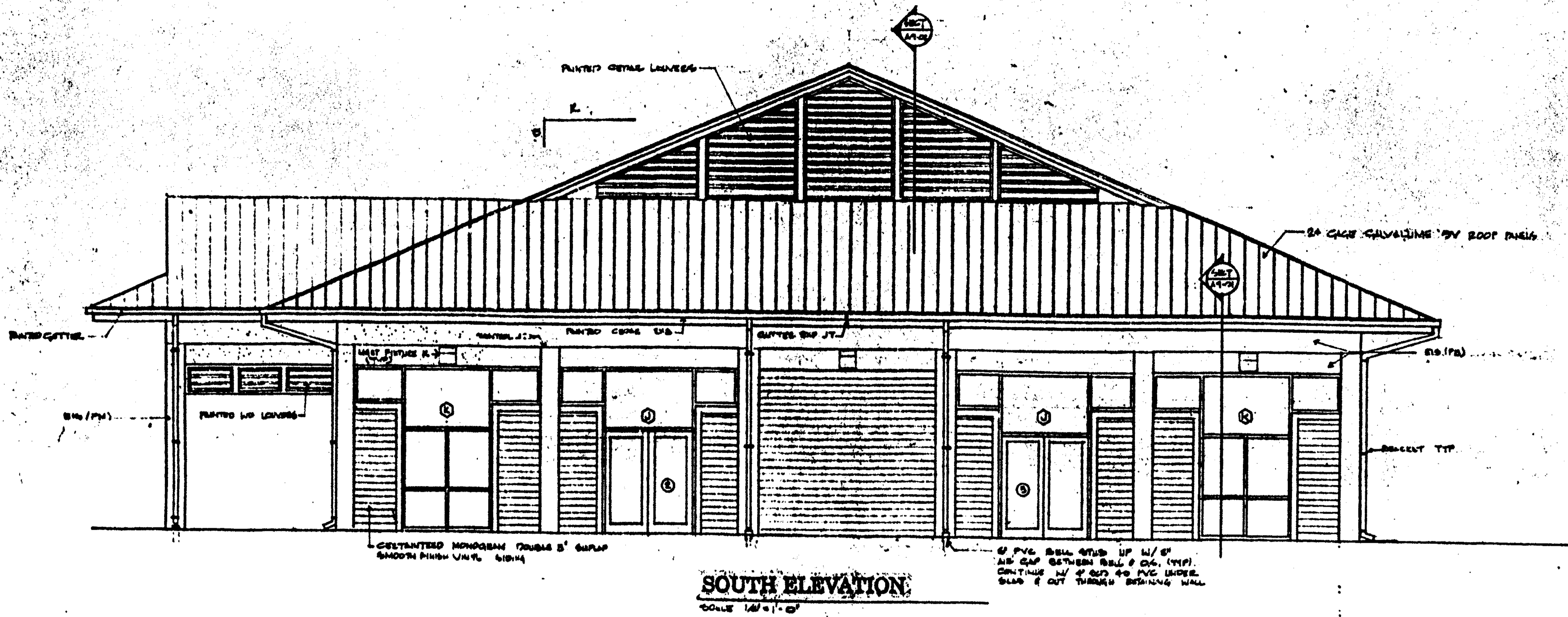
Best Copy Available

SECOND FLOOR PLAN (PARTIAL)

MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA  
300 BREV STREET  
CLEARWATER, FL 34615 407-799-4400

CLEARWATER BEACH  
RECREATION CENTER  
FOR THE CLEARWATER PARK & RECREATION DEPT.  
CLEARWATER BEACH, FL

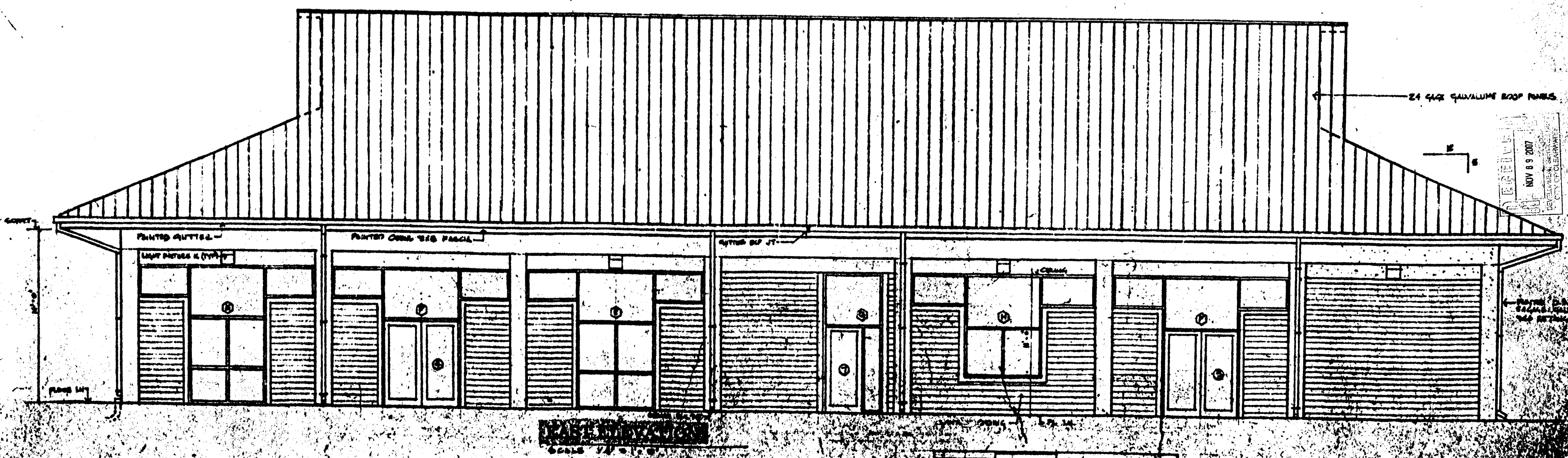
ASB



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

IF PVC BELL STUB UP W/ 6" AIR GAP BETWEEN BELL & OC. (TYP) CONTINUE W/ 2 OUT TO PVC UNDER SLAB & OUT THROUGH RETAINING WALL

Best Copy Available



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

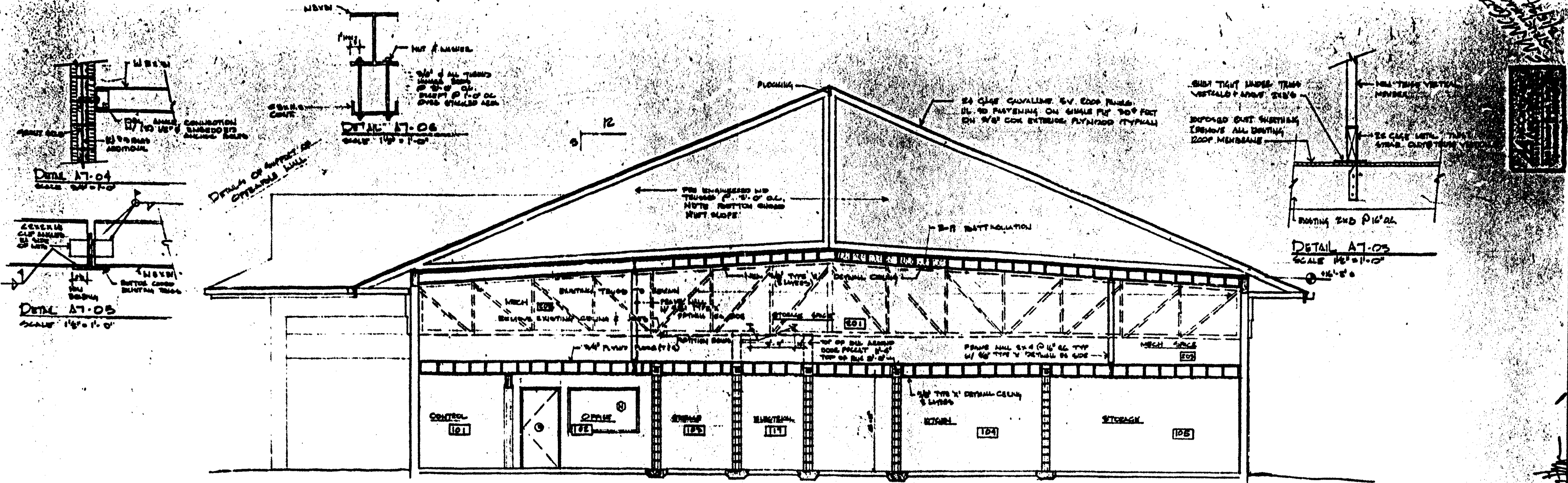
RECEIVED  
NOV 9 2007  
DEVELOPMENT & PLANNING  
CITY OF CLEARWATER

21-24

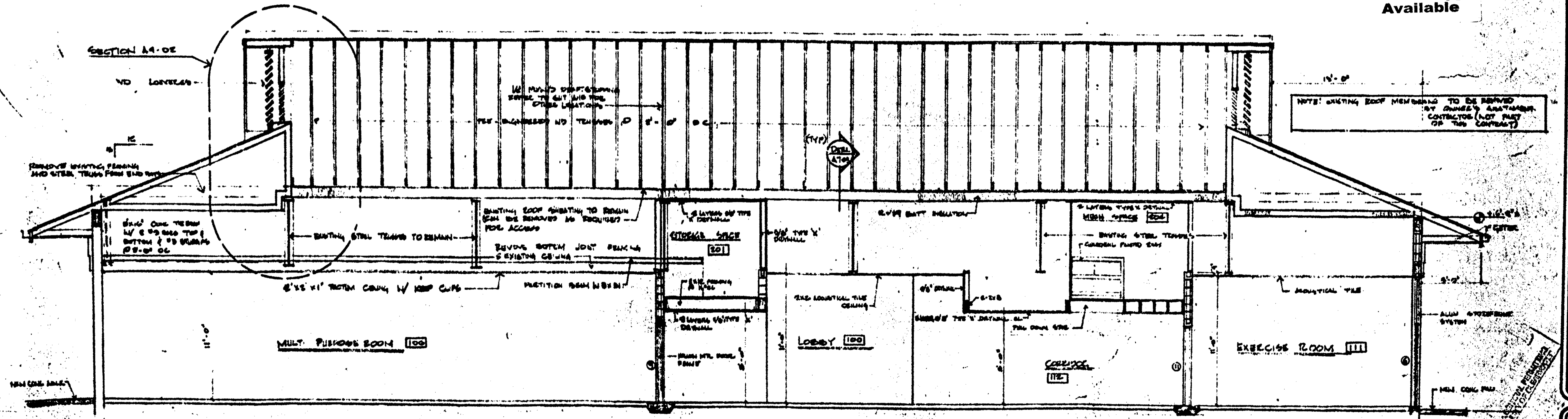
MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA  
600 DRUM STREET  
CLEARWATER, FL 34615  
407-943-7800

APPROVED TO  
CLEARWATER BEACH  
RECREATION CENTER  
FOR THE CLEARWATER PARK & RECREATION DEPT.  
BY MAY 18, 2007

PLANNING DEPARTMENT



**BUILDING SECTION A7-02**  
SCALE 1/4" = 1'-0"



**BUILDING SECTION A7-01**  
SCALE 1/4" = 1'-0"

Best Copy Available

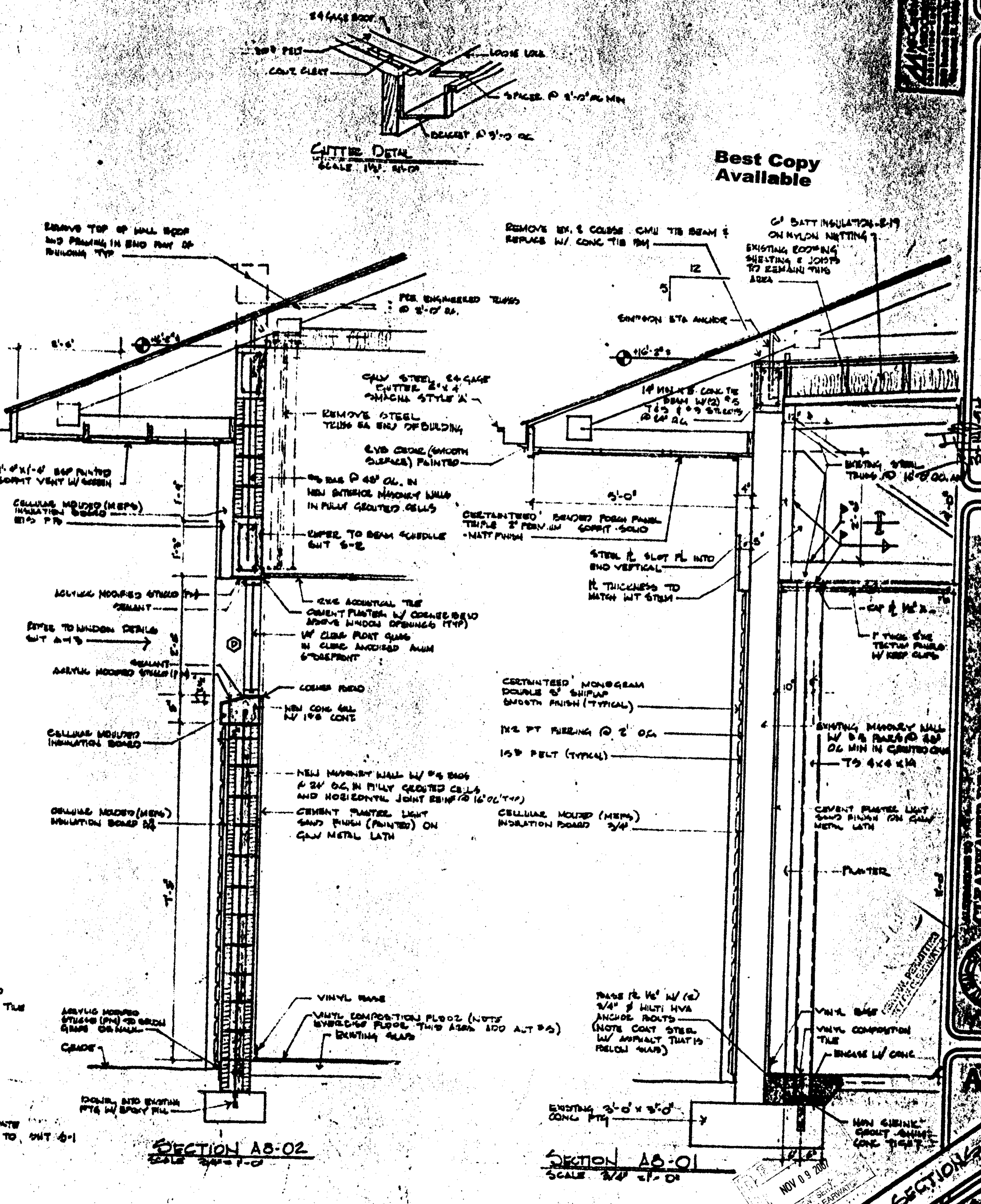
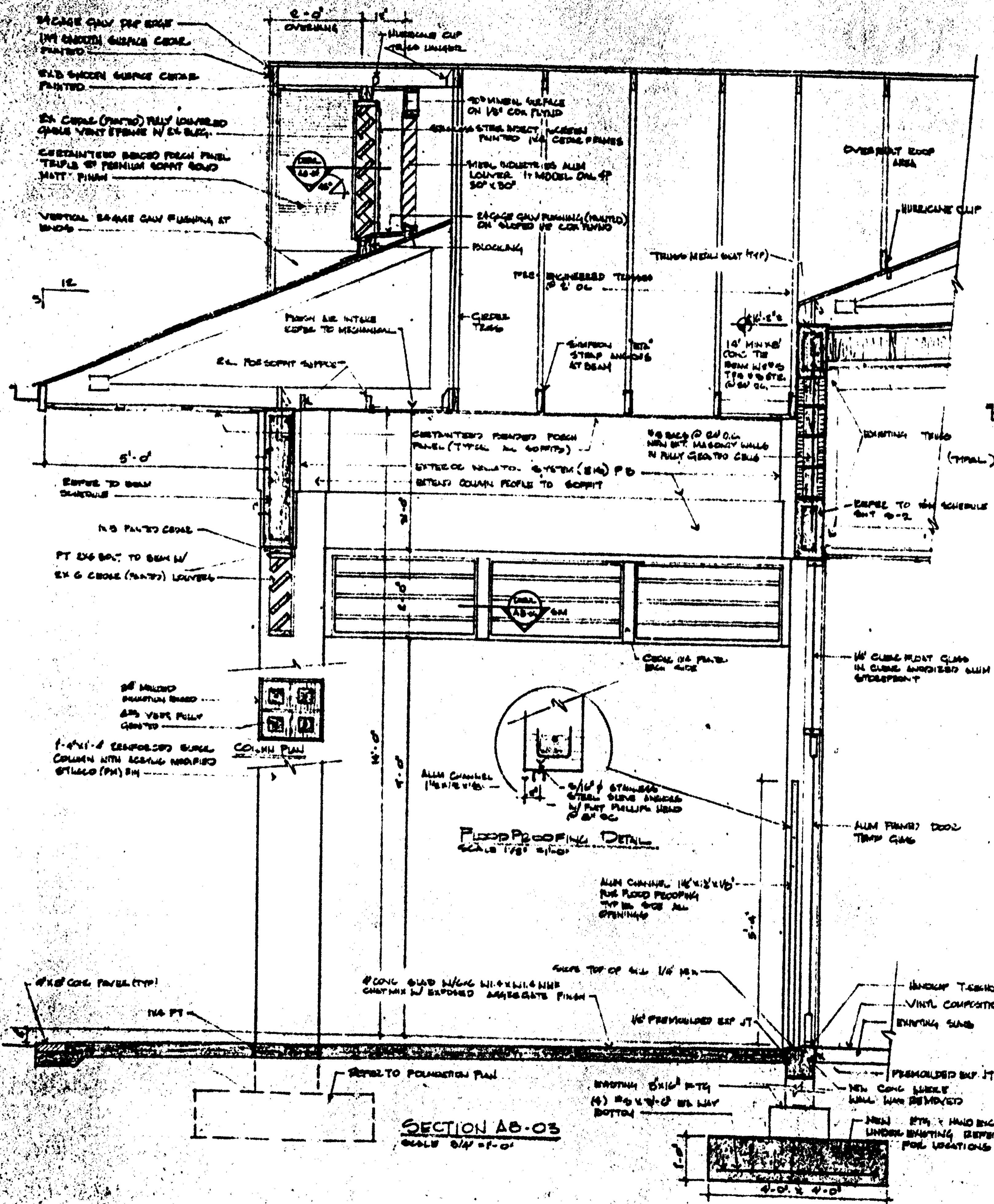
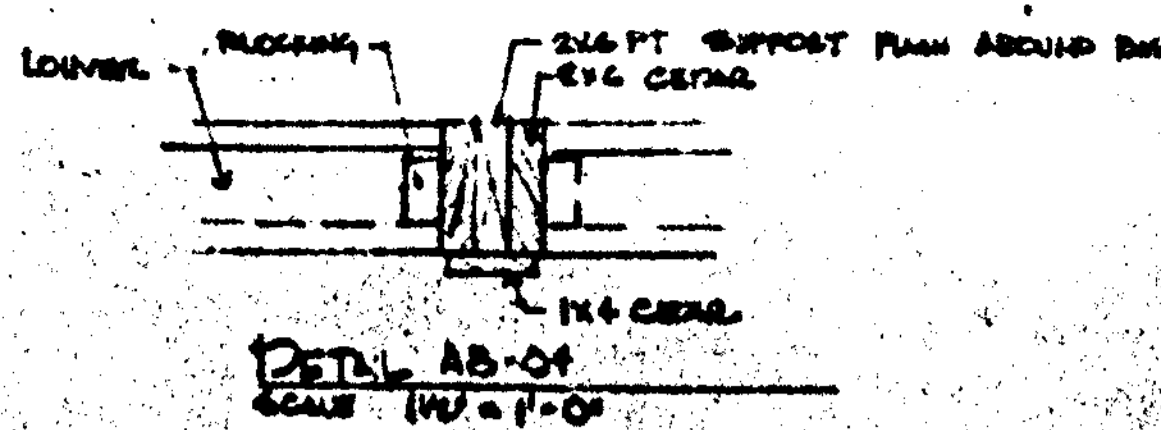
NOV 09 2007  
RECEIVED  
GENERAL MANAGER  
CITY OF CLEARWATER

MYERS, PLISKO, OTT, ARCHITECTS, P.A. AIA  
ADDRESS  
500 BREV STREET  
CLEARWATER, FL 34615  
407-462-7200

CLEARWATER BEACH  
RECREATION CENTER  
FOR THE CLEARWATER BEACH & RECREATION DEPARTMENT  
NO. 100

BUILDING SECTIONS





Best Copy Available

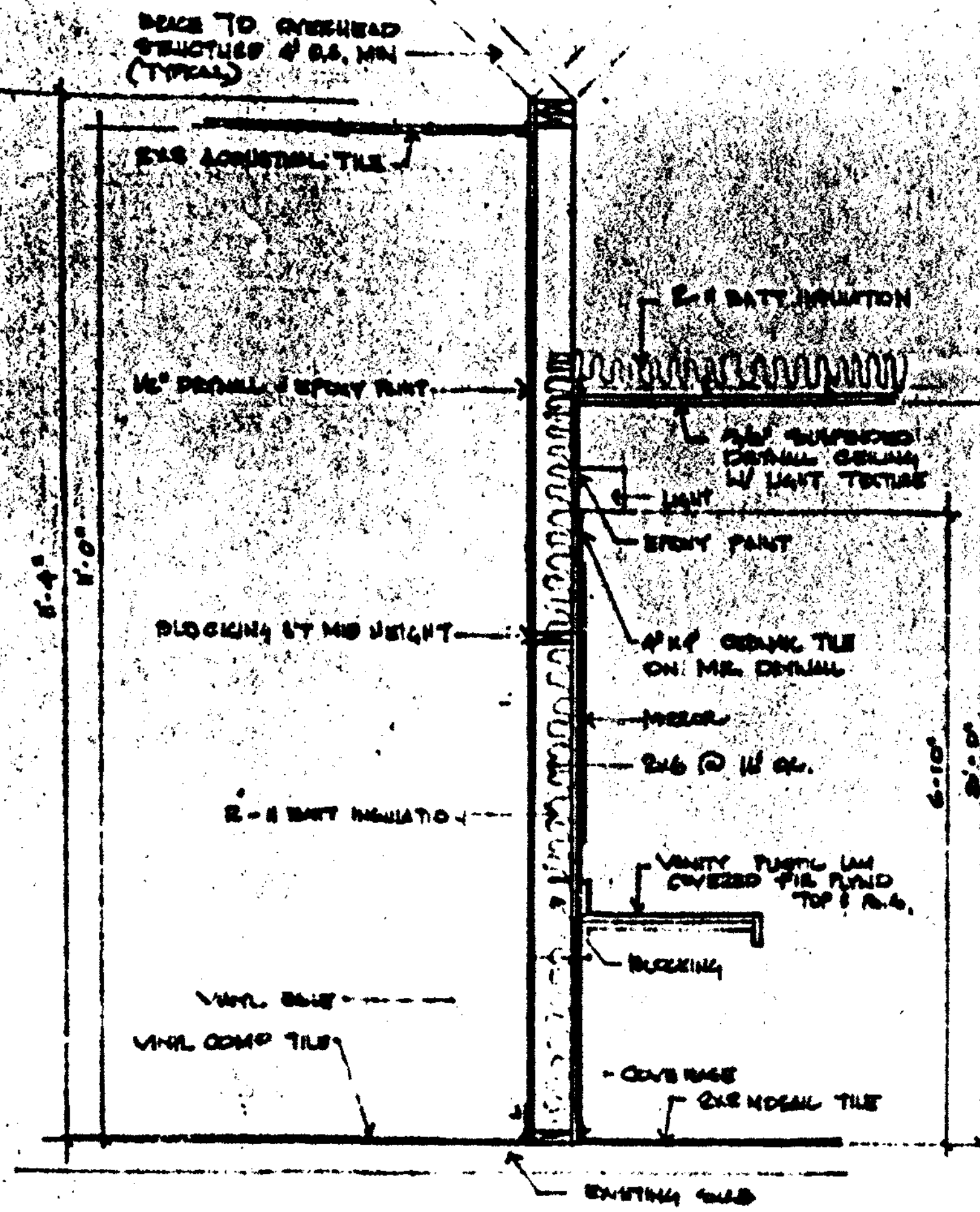
MYERS, PLISKO, OTT ARCHITECTS, P.A.  
 500 BREV STREET  
 CLEARWATER, FL 34615  
 407-9668 407-7868

CLEARWATER BEACH  
 RECREATION CENTER  
 100 WEST BAY DRIVE  
 CLEARWATER, FL 34615

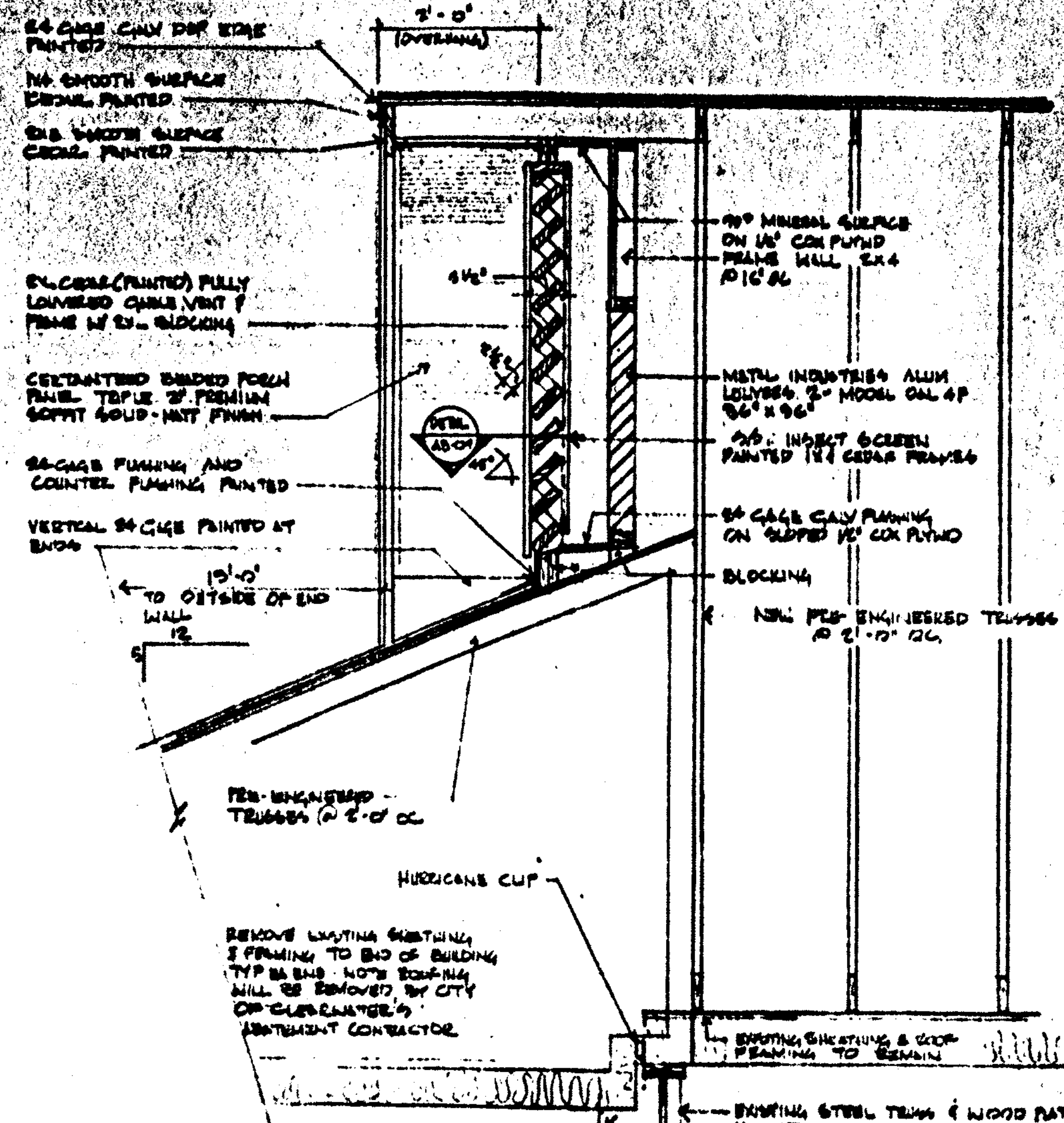
AES

NOV 09 2000  
 CLEARWATER BEACH RECREATION CENTER

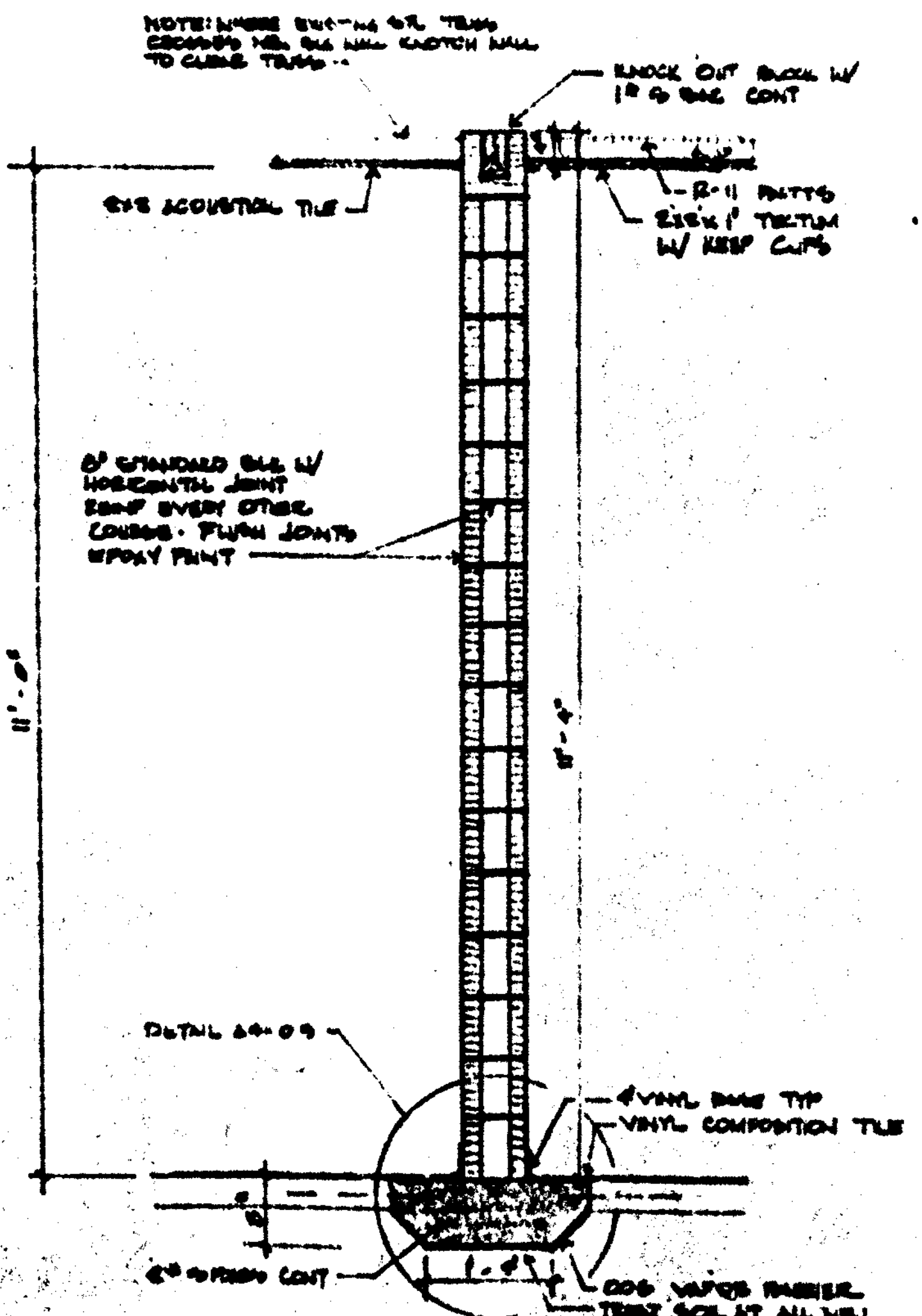
WALL SECTIONS



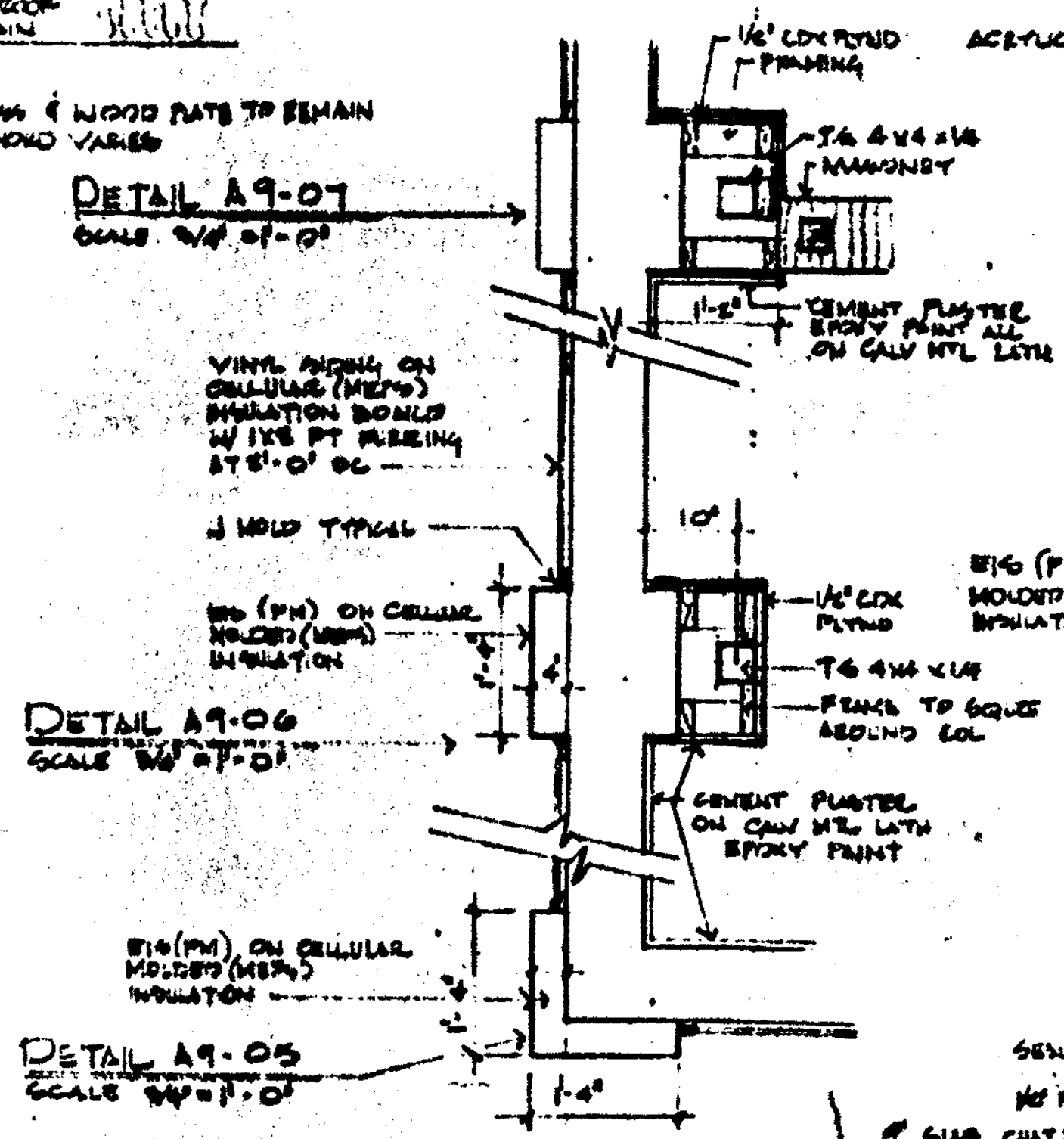
SECTION A9-04  
SCALE 3/4\"/>



SECTION A9-02  
SCALE 3/4\"/>

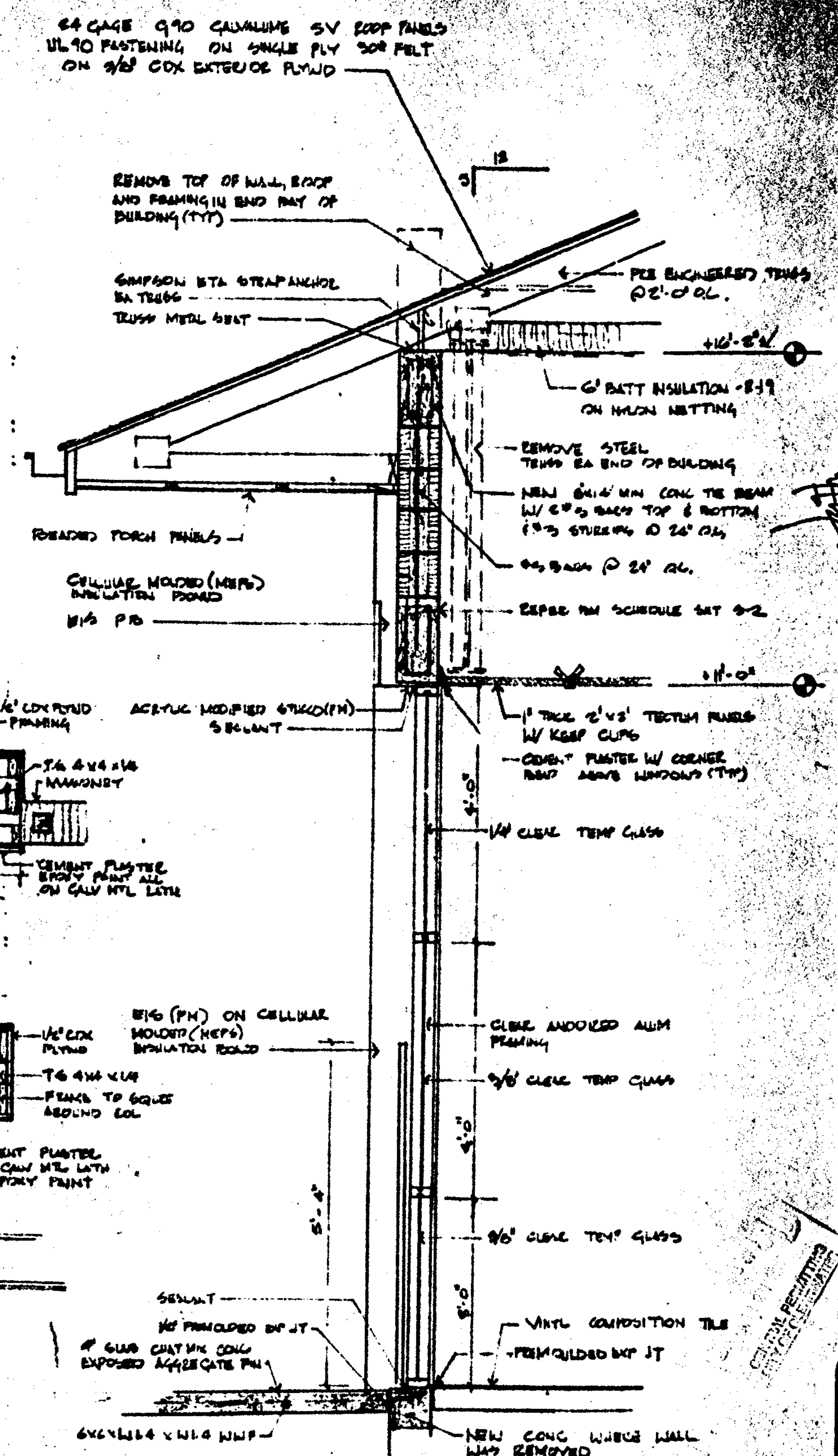


SECTION A9-03  
SCALE 3/4\"/>



DETAIL A9-06  
SCALE 3/4\"/>

DETAIL A9-05  
SCALE 3/4\"/>



SECTION A9-01  
SCALE 3/4\"/>

Best Copy Available

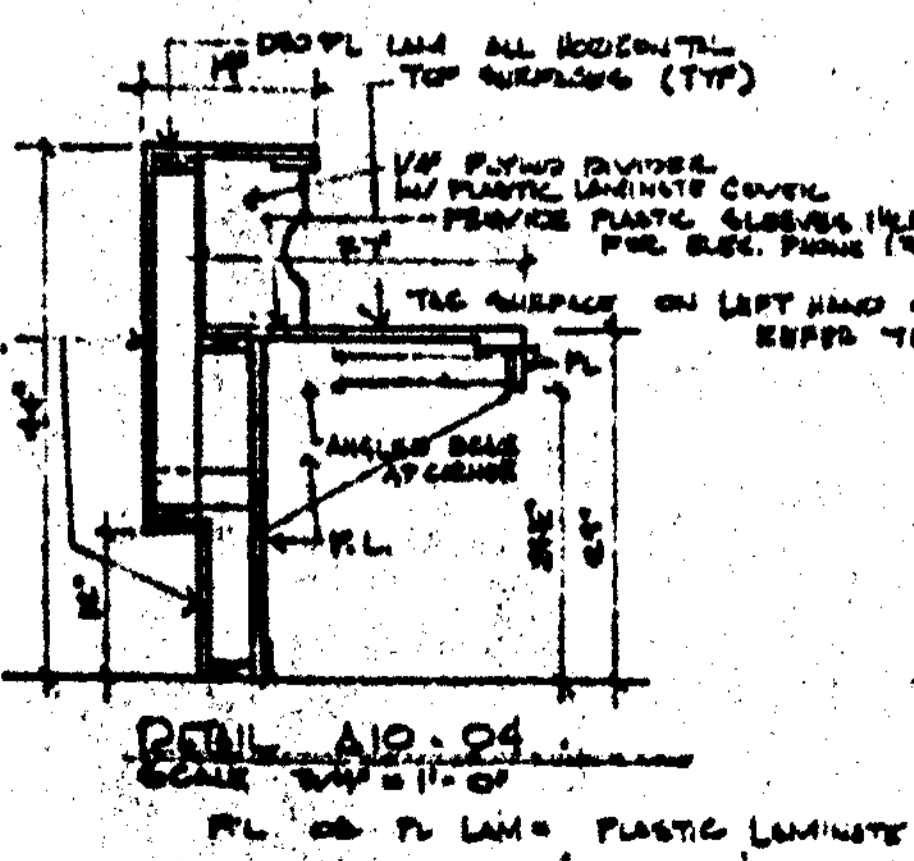
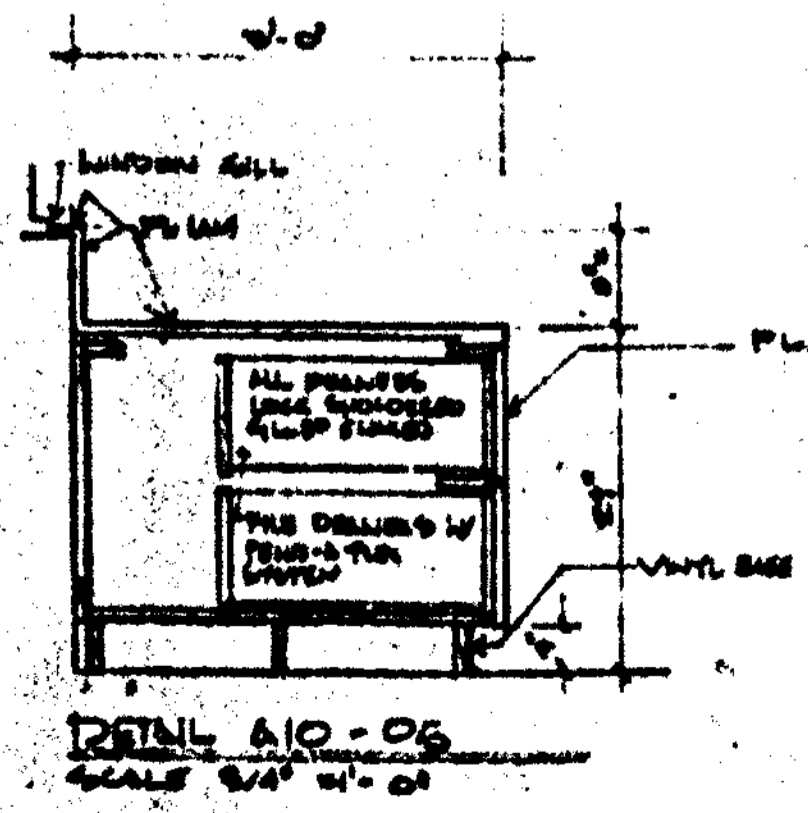
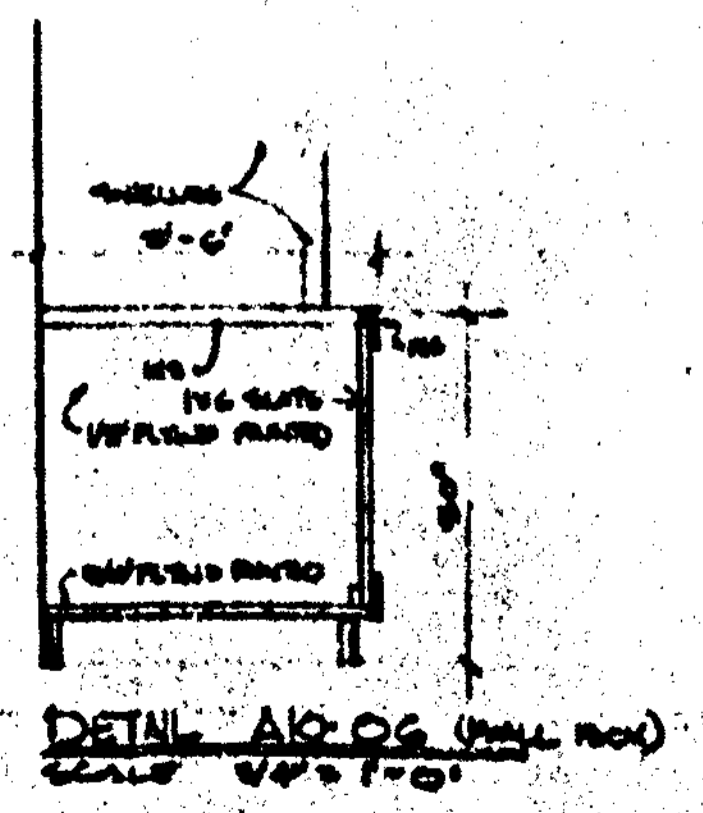
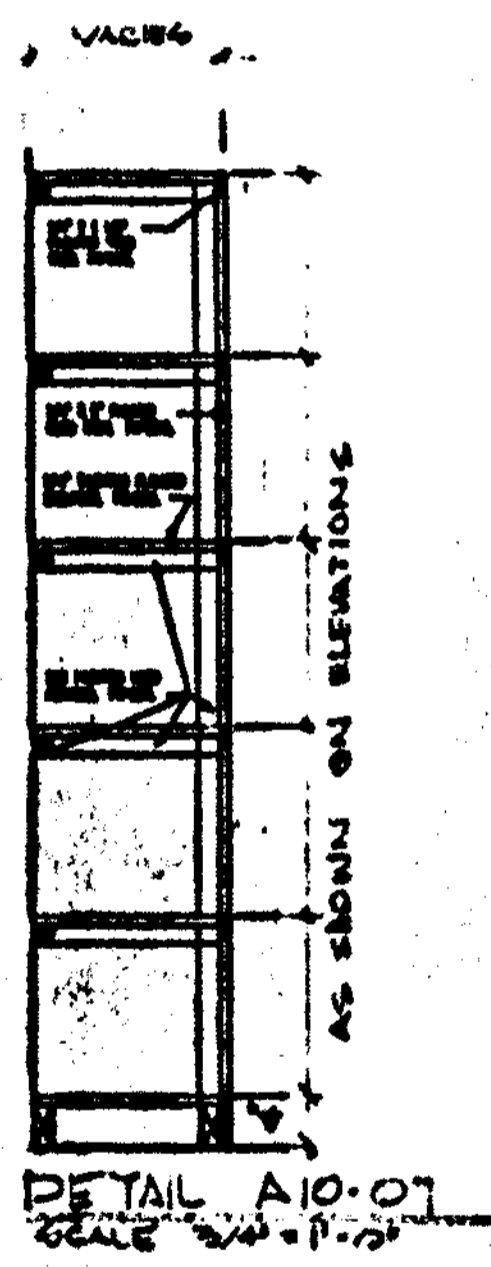
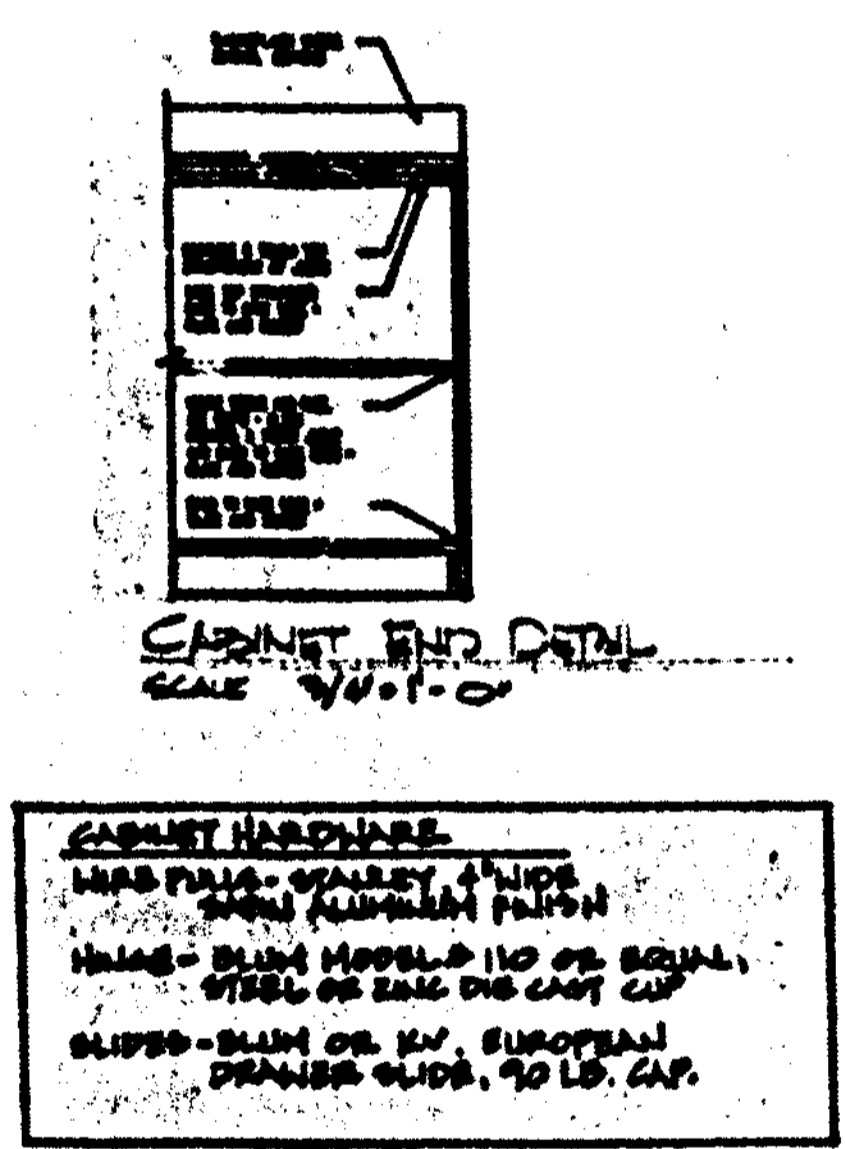
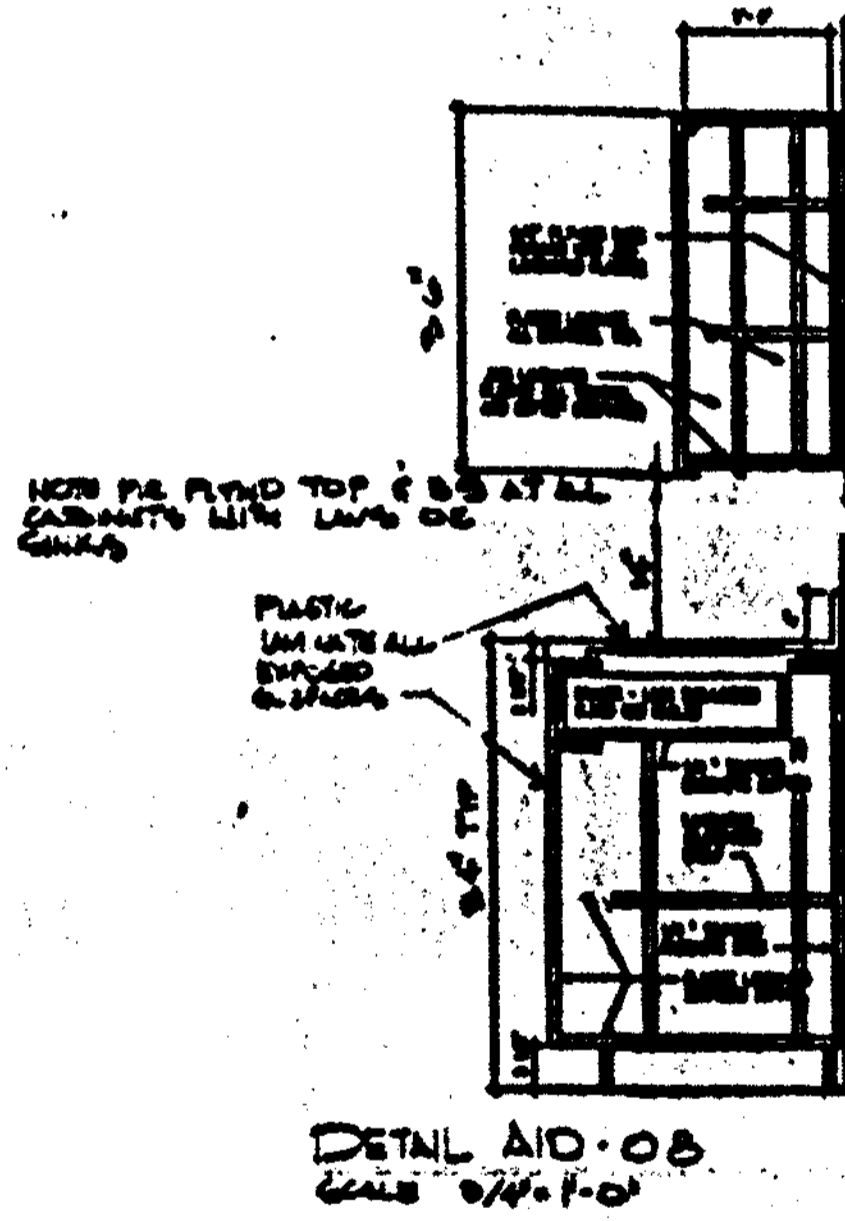
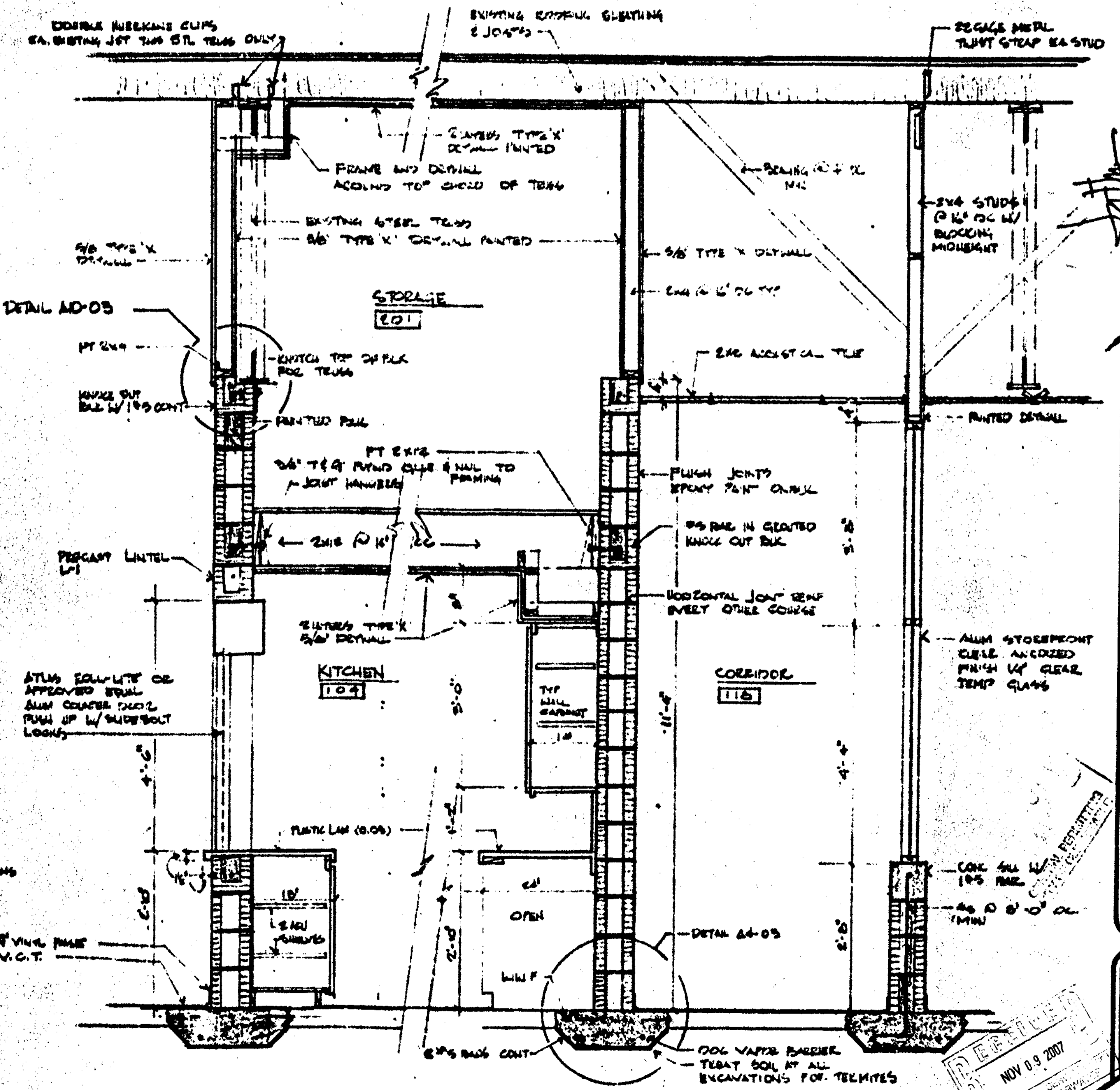
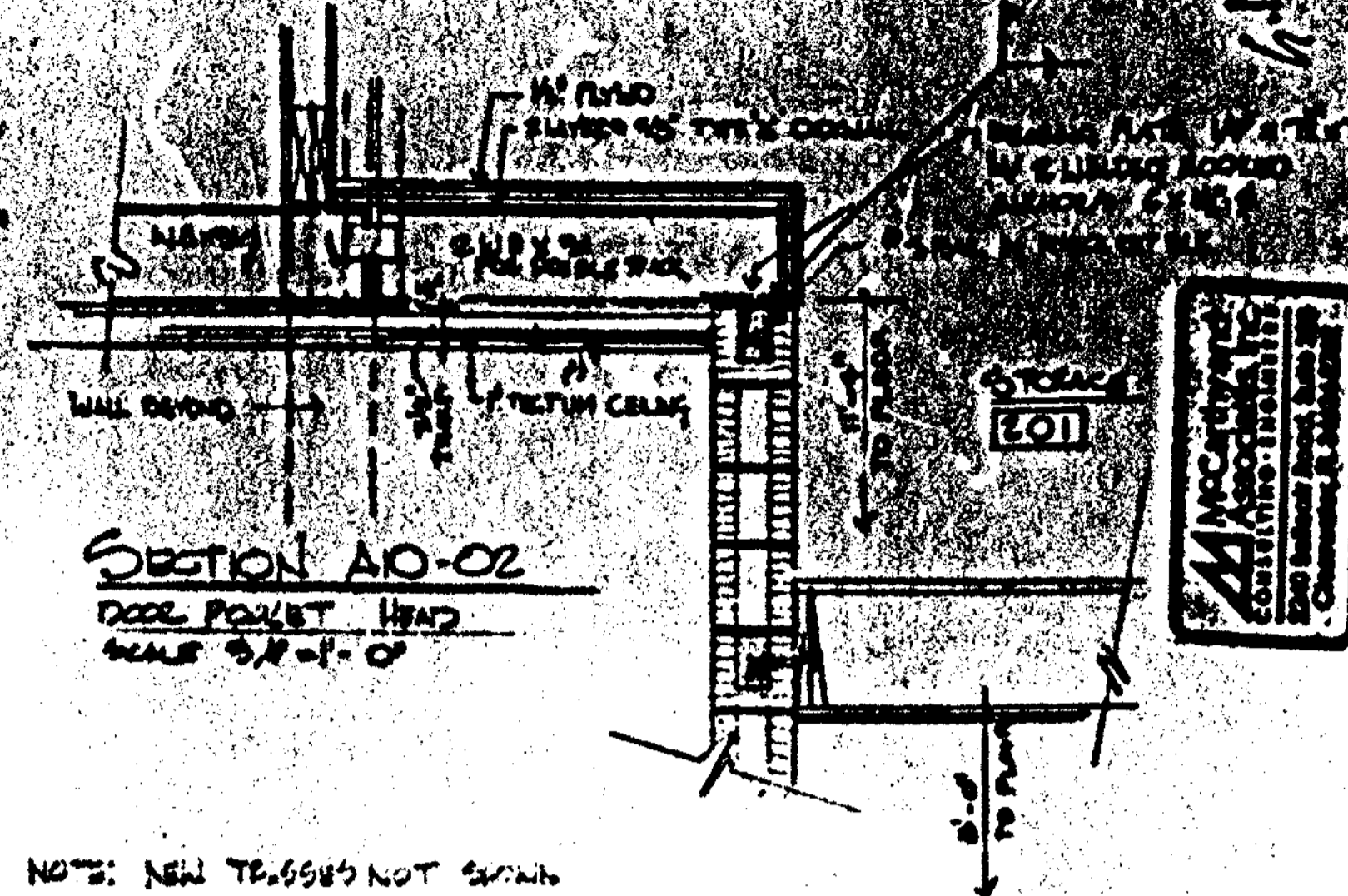
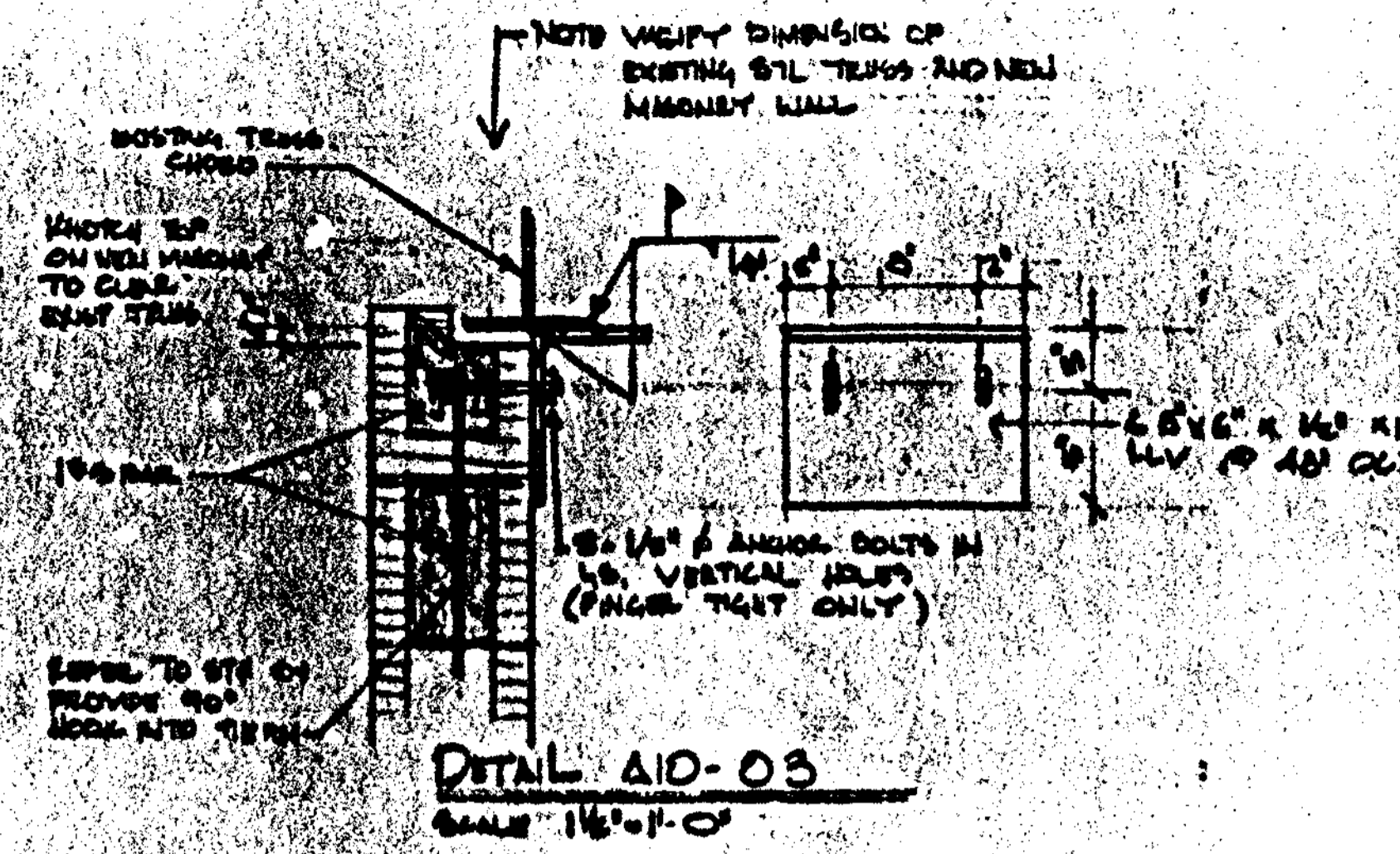
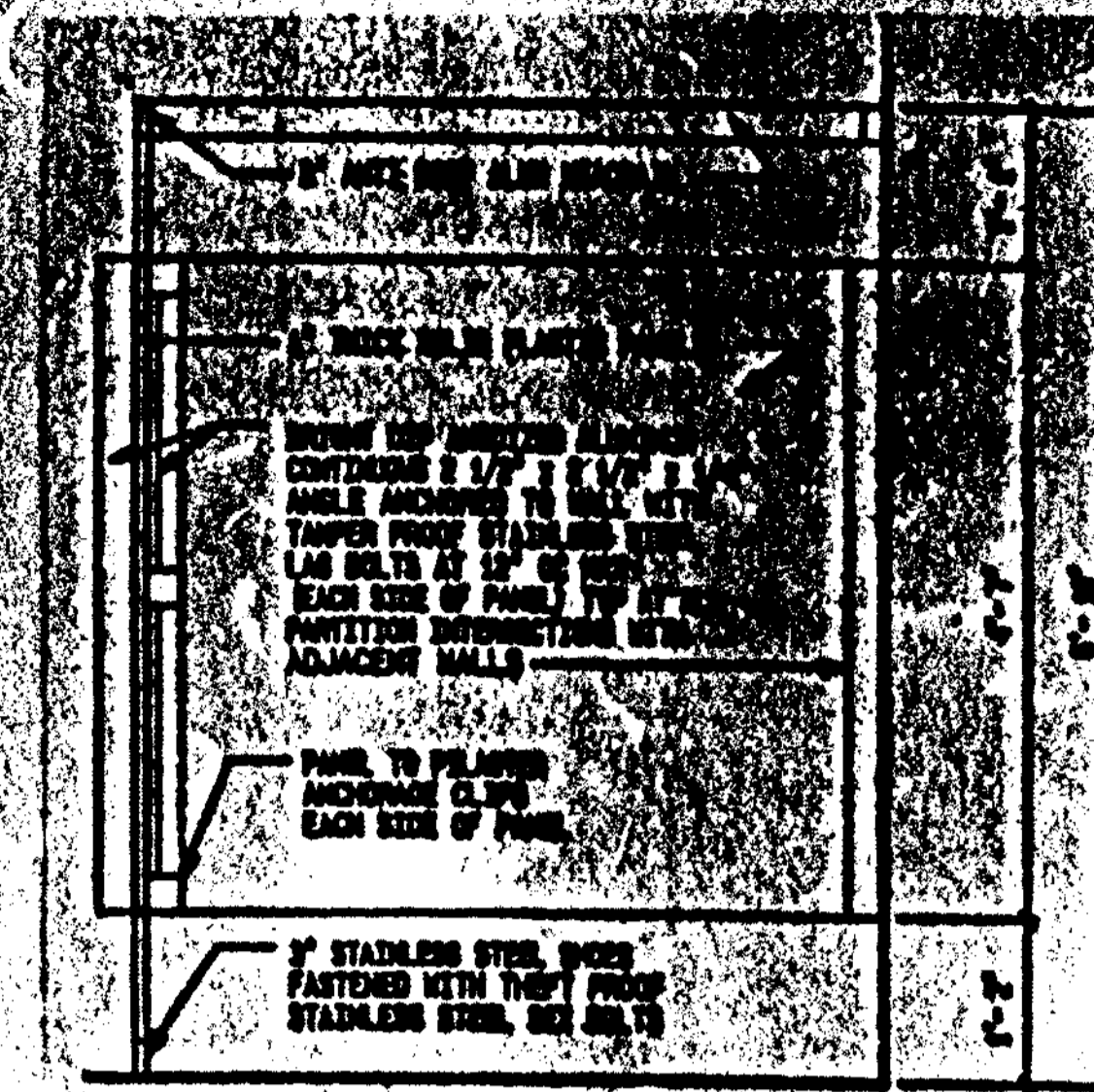
NOV 03 2007  
DEVELOPMENT SERVICES  
CITY OF CLEARWATER

WALL SECTIONS

MYERS, PLISKO, OTT ARCHITECTS, P.A.  
ARCHITECTS  
300 BIRCH STREET  
CLEARWATER, FL 34618  
407-960-0400

CLEARWATER BEACH RECREATION CENTER  
FOR THE CLEARWATER PARK & RECREATION DEPT.  
300 BIRCH STREET  
CLEARWATER, FL 34618  
407-960-0400

A-9



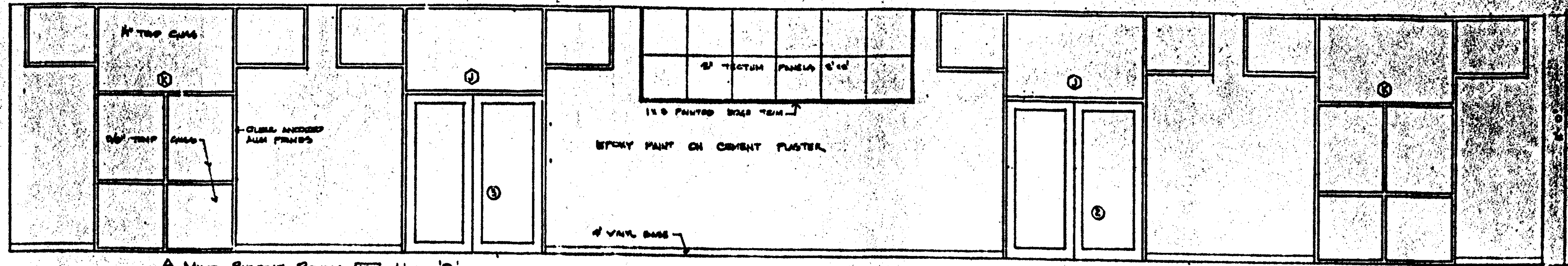
**MYERS, PLISKO, OTT ARCHITECTS, P.A.**  
ARCHITECTS  
300 BREV STREET  
CLEWISTON, NJ 08015  
401-9600 401-7790

**CLEARWATER BEACH RECREATION CENTER**  
FOR THE CLEARWATER PARKS & RECREATION DEPT.  
CLEARWATER BEACH, FL

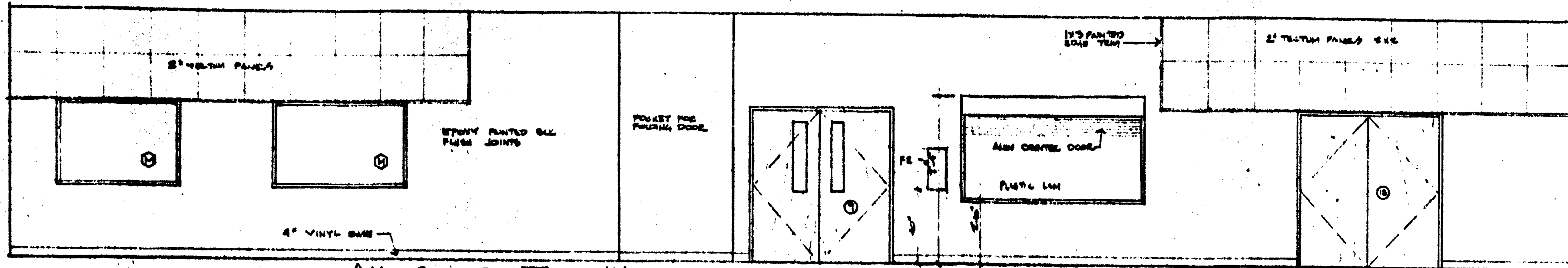
**A-10**  
WALL SECTIONS - CABINET DETAILS

NOV 09 2007  
DEPARTMENT OF  
CITY OF CLEARWATER

Best Copy Available

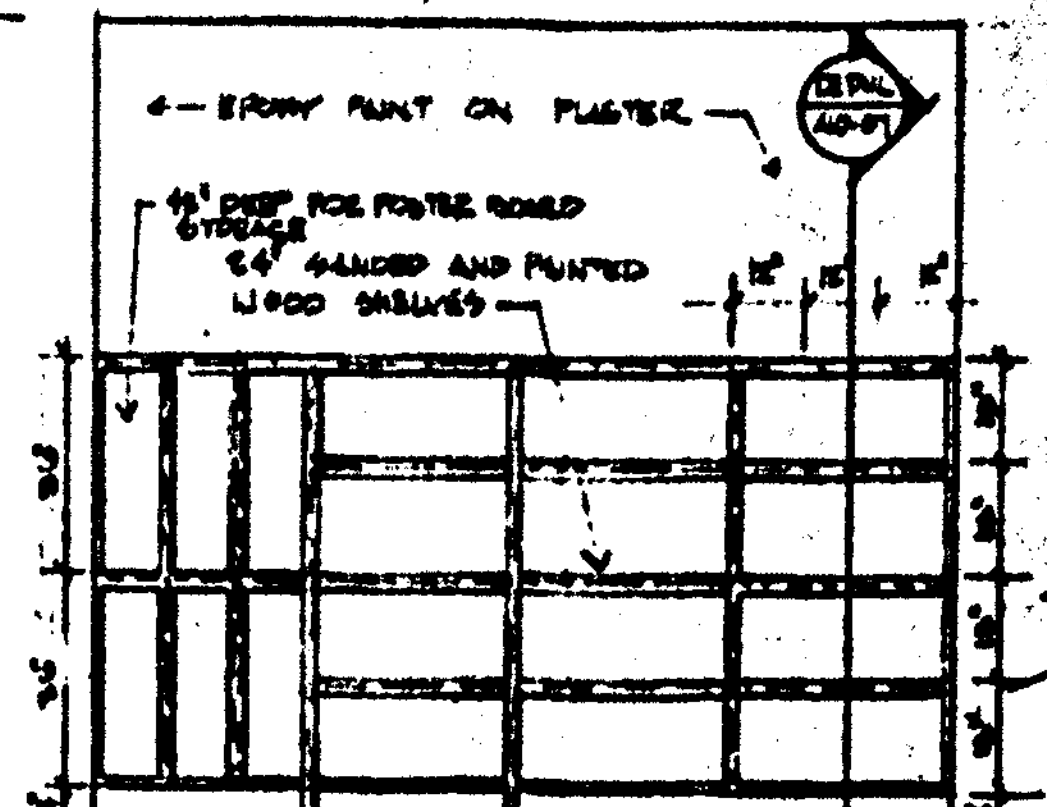


▲ MULTI PURPOSE ROOM [100] WALL 'D'  
SCALE 3/8" = 1'-0"

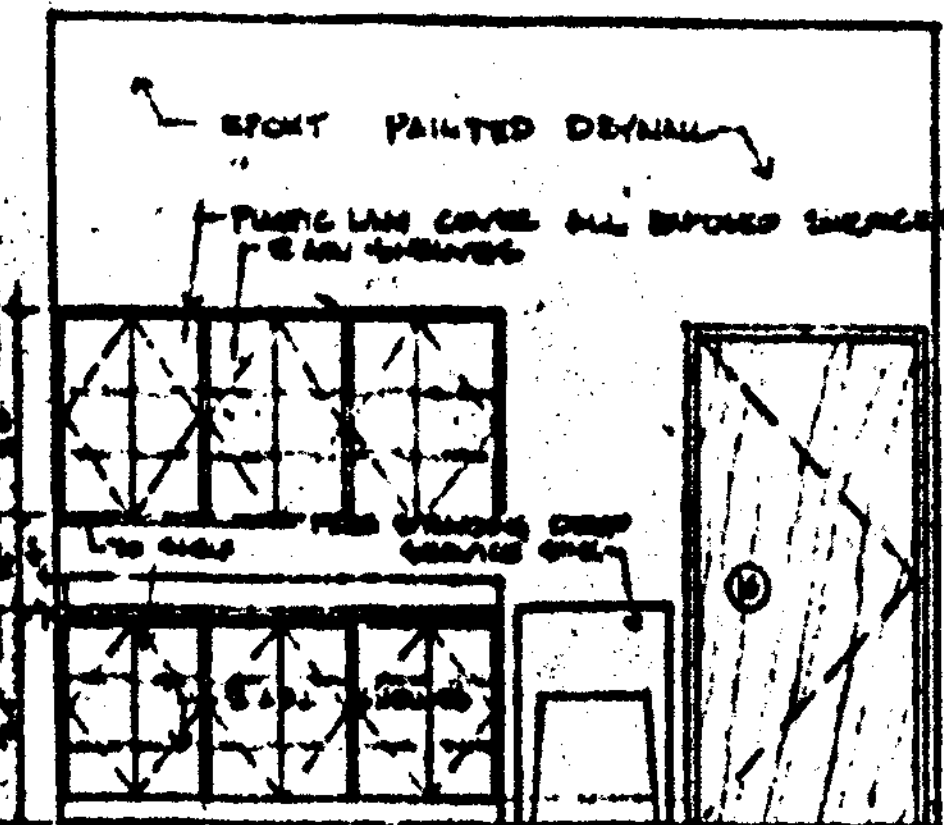


▲ MULTI PURPOSE ROOM [100] WALL 'B'  
SCALE 3/8" = 1'-0"

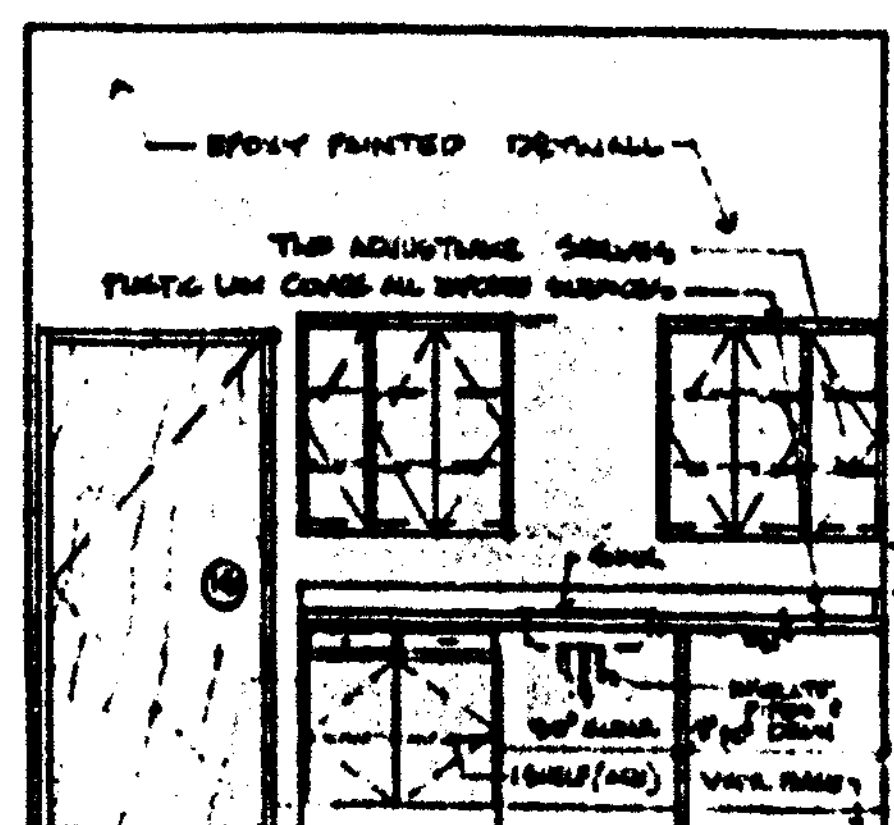
NOTE: FINISH OF DOORS SHALL MATCH IN COLOR & GRAIN



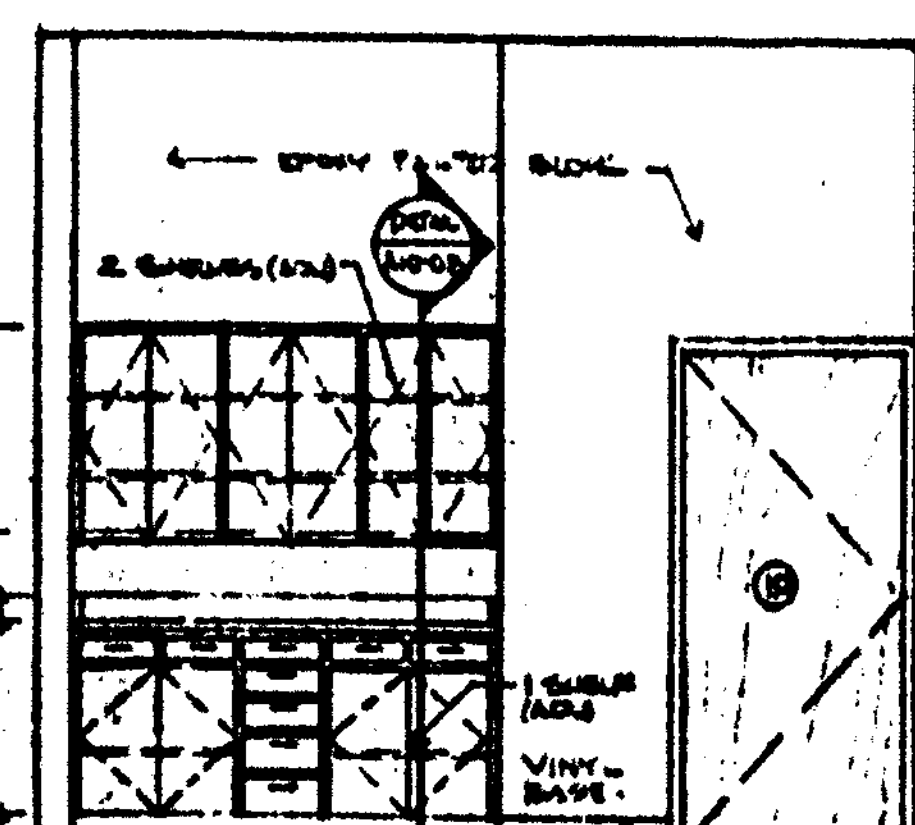
▲ CRAFTS STORAGE [103] WALL 'D'  
SCALE 3/8" = 1'-0"



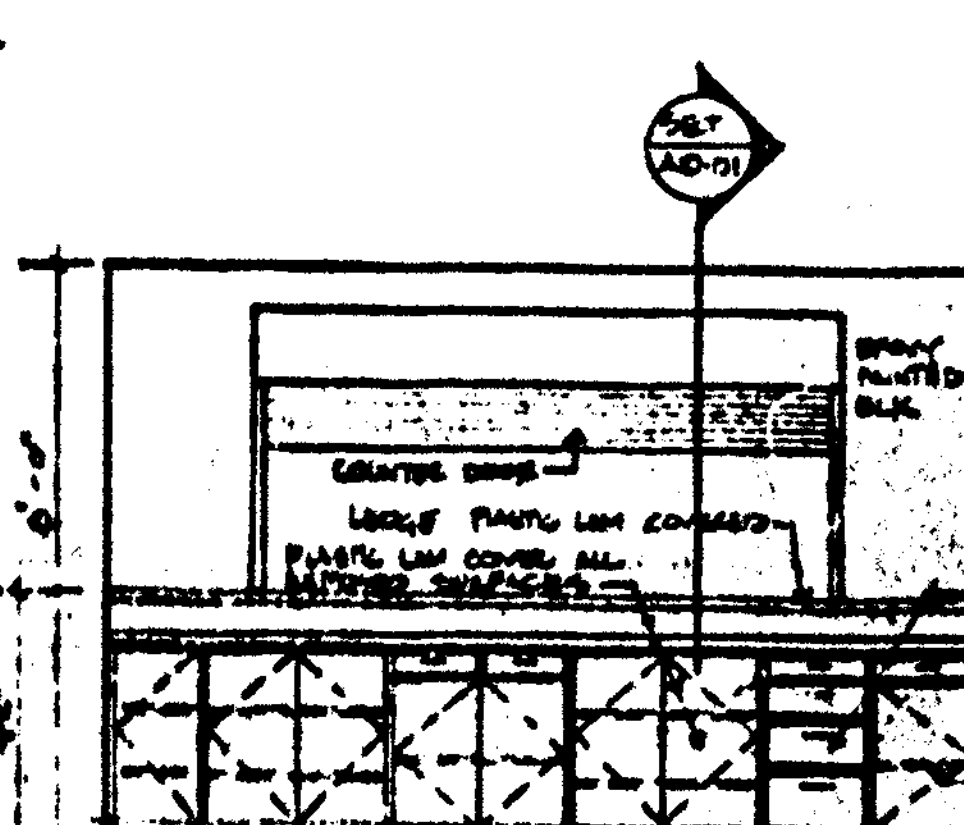
▲ CRAFTS STORAGE [103] WALL 'D'  
SCALE 3/8" = 1'-0"



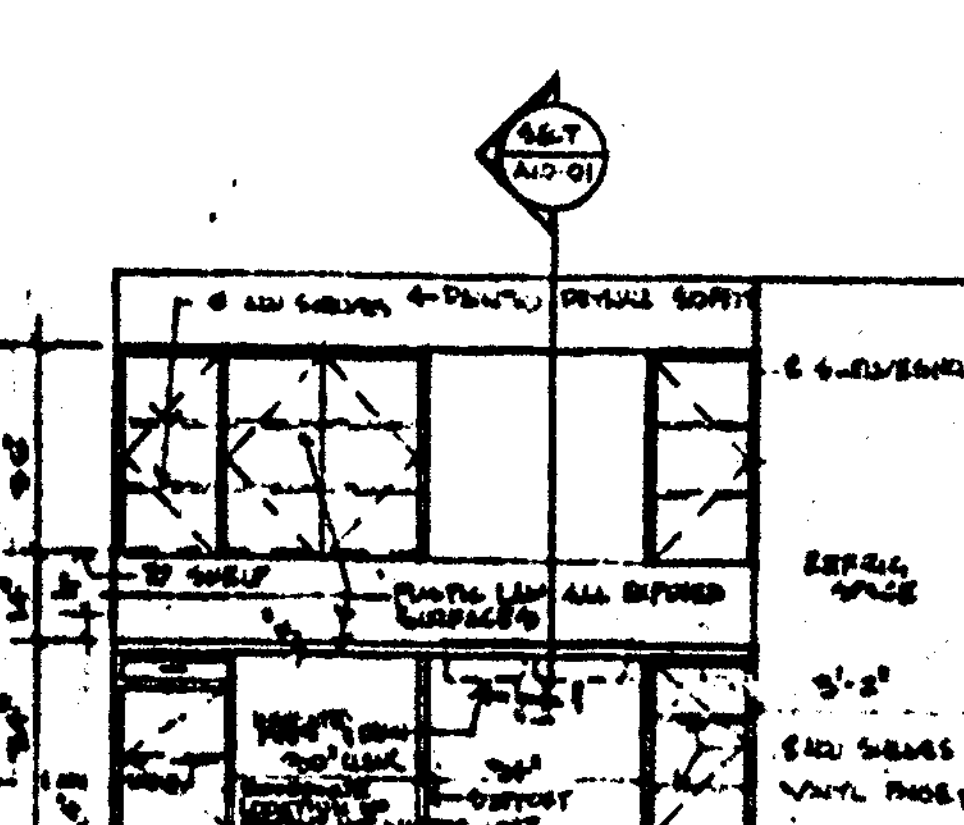
▲ ARTS & CRAFTS [107] WALL 'B'  
SCALE 3/8" = 1'-0"



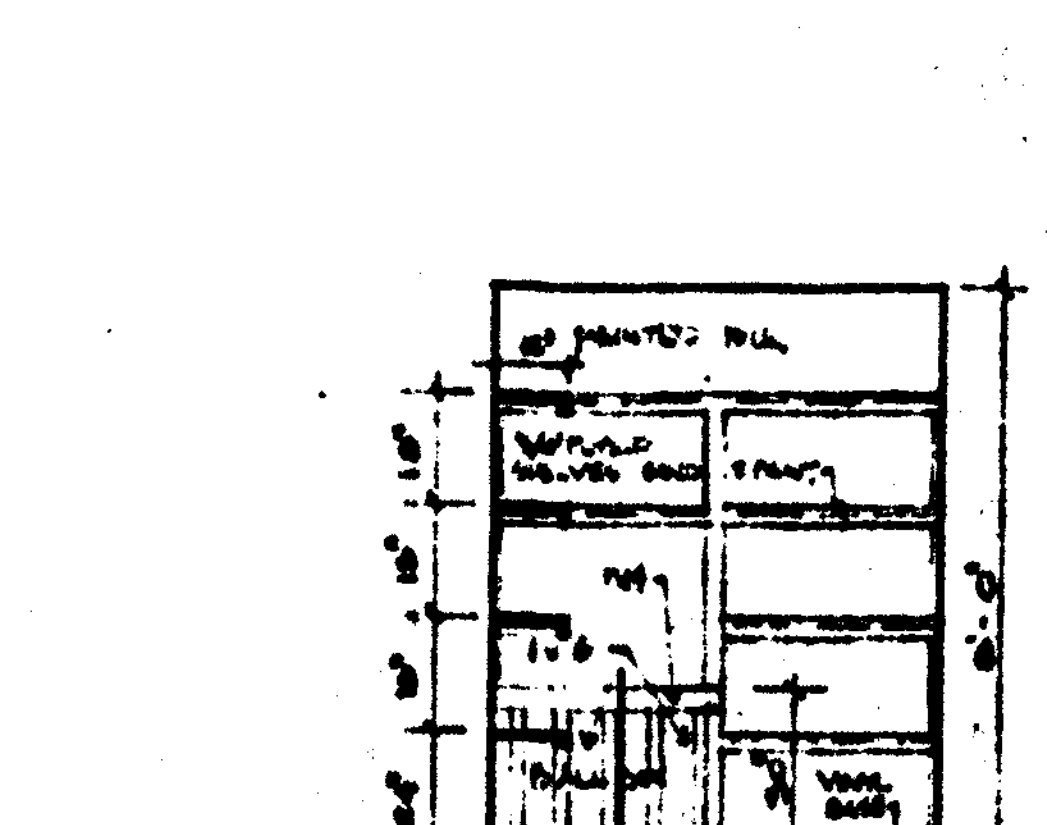
▲ ARTS & CRAFTS [107] WALL 'D'  
SCALE 3/8" = 1'-0"



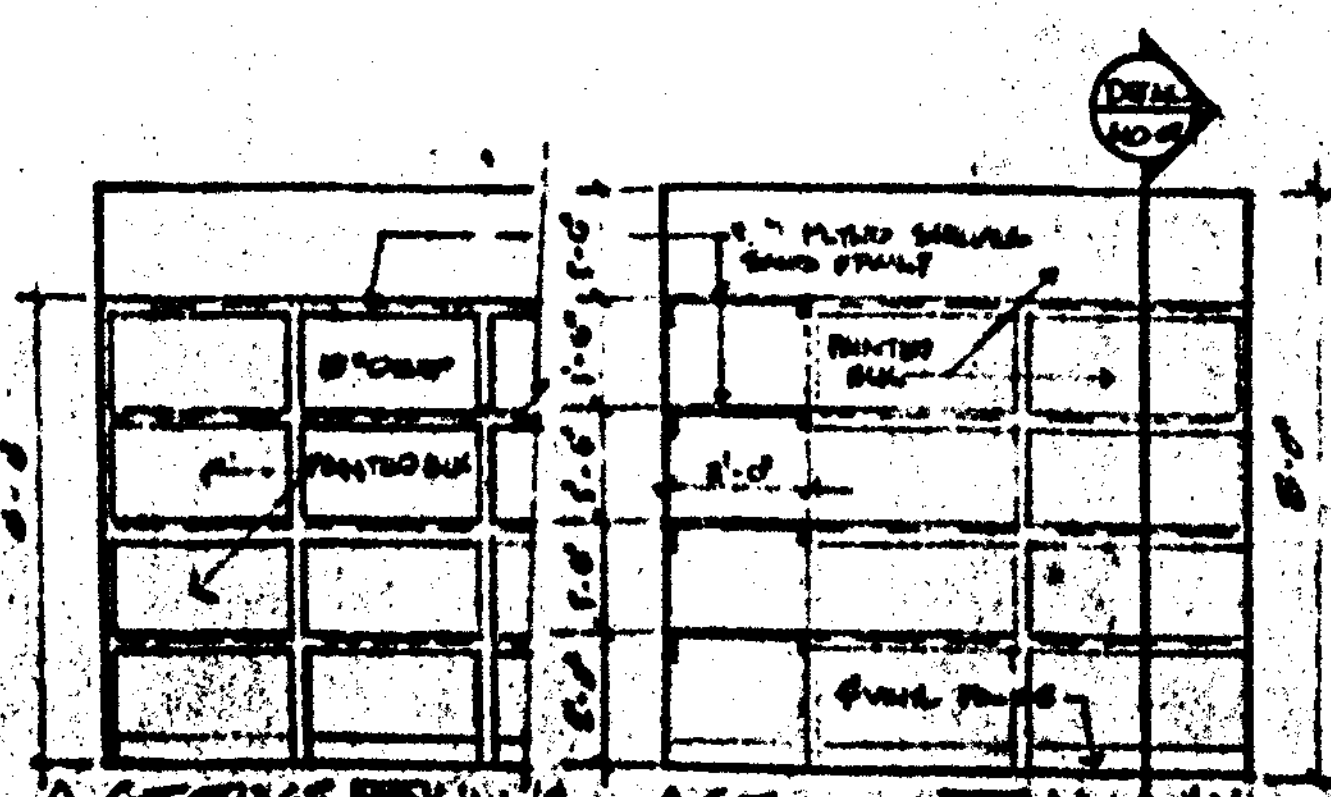
▲ KITCHEN [104] WALL 'D'  
SCALE 3/8" = 1'-0"



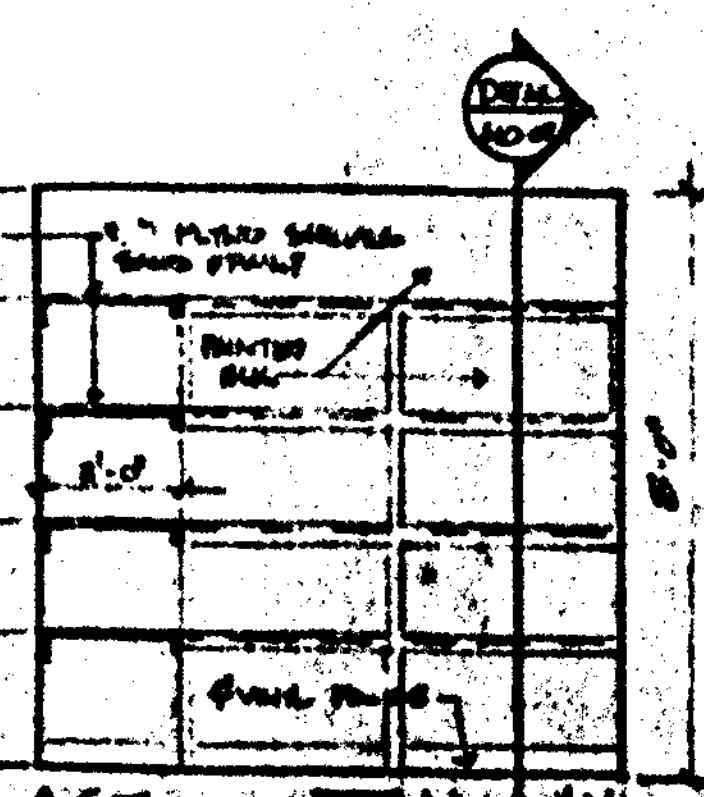
▲ KITCHEN [104] WALL 'B'  
SCALE 3/8" = 1'-0"



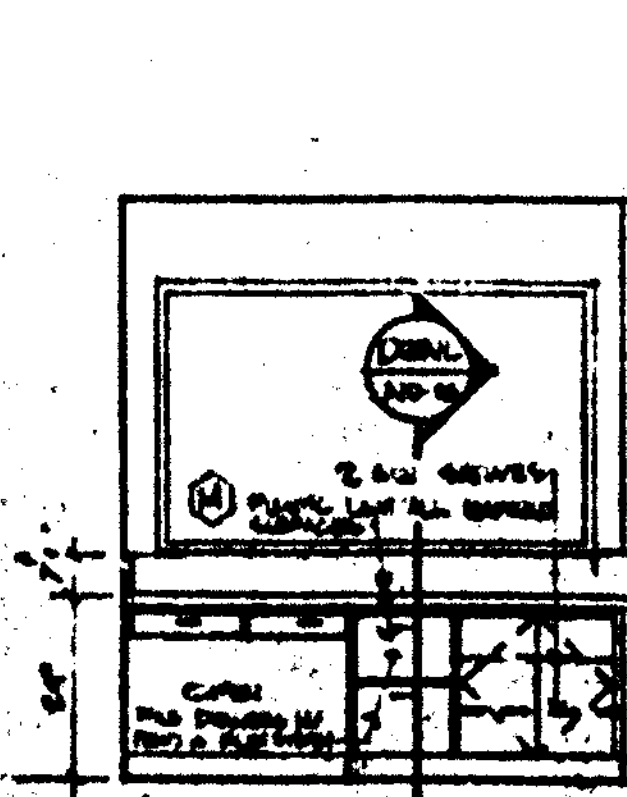
▲ STORAGE [105] WALL 'D'  
SCALE 3/8" = 1'-0"



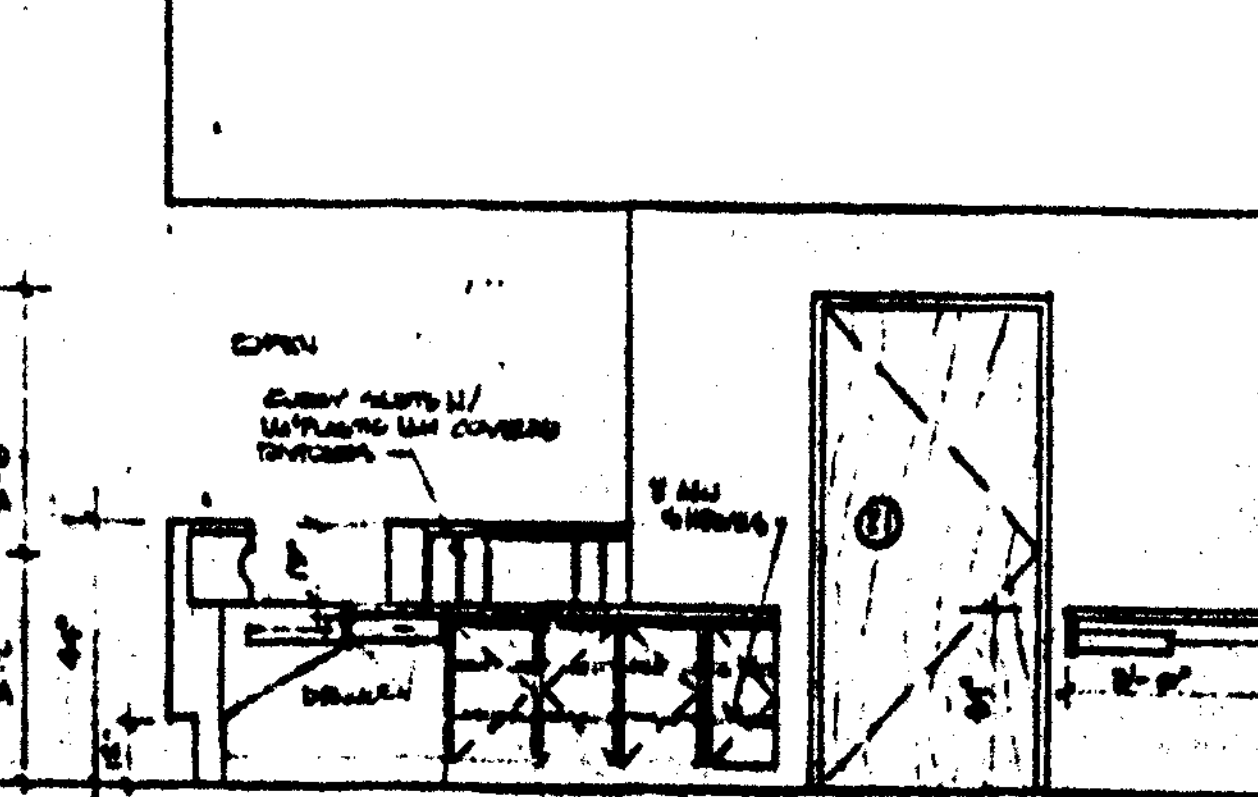
▲ STORAGE [105] WALL 'C'



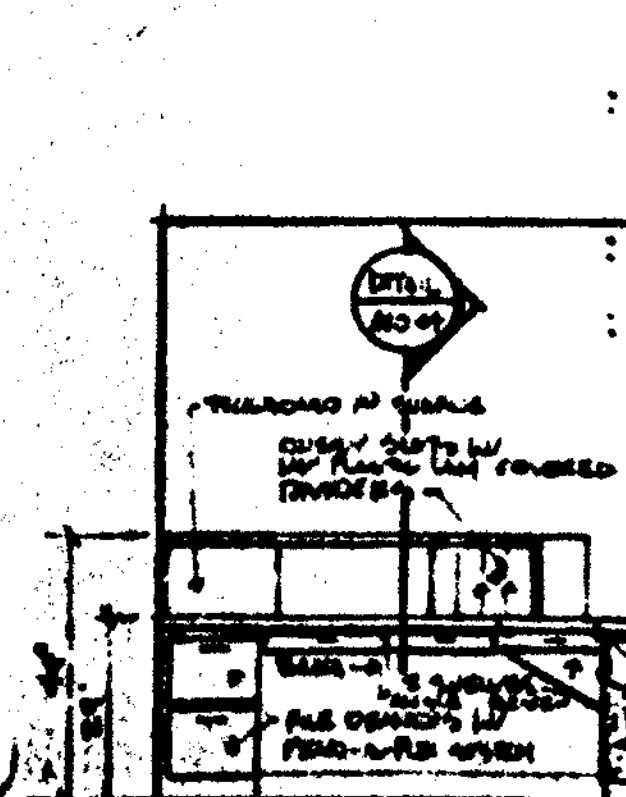
▲ STORAGE [105] WALL 'A'



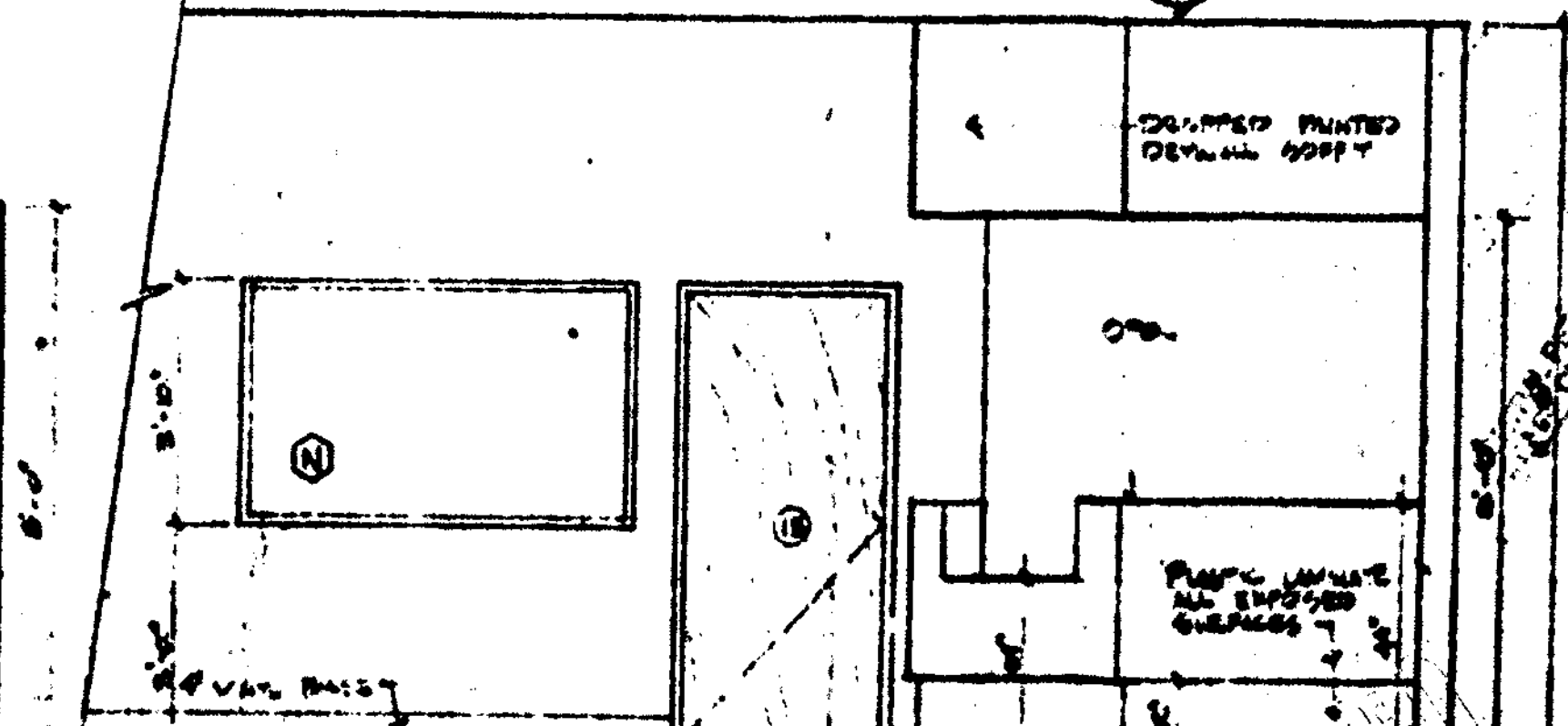
▲ CONTROL [101] WALL 'D'



▲ CONTROL [101] WALL 'C'



▲ CONTROL [101] WALL 'B'



▲ LOBBY [100] WALL 'D'

MYERS, PLISKO, OTT ARCHITECTS, P.A. AM  
ADDRESS  
300 BEECH STREET  
CLEARWATER, FL 34625  
407-799-1100

CLEARWATER BEACH  
RECREATION CENTER  
FOR THE CLEARWATER BEACH RECREATION DISTRICT  
CLEARWATER, FLORIDA

INTERIOR ELEVATIONS

Best Copy Available

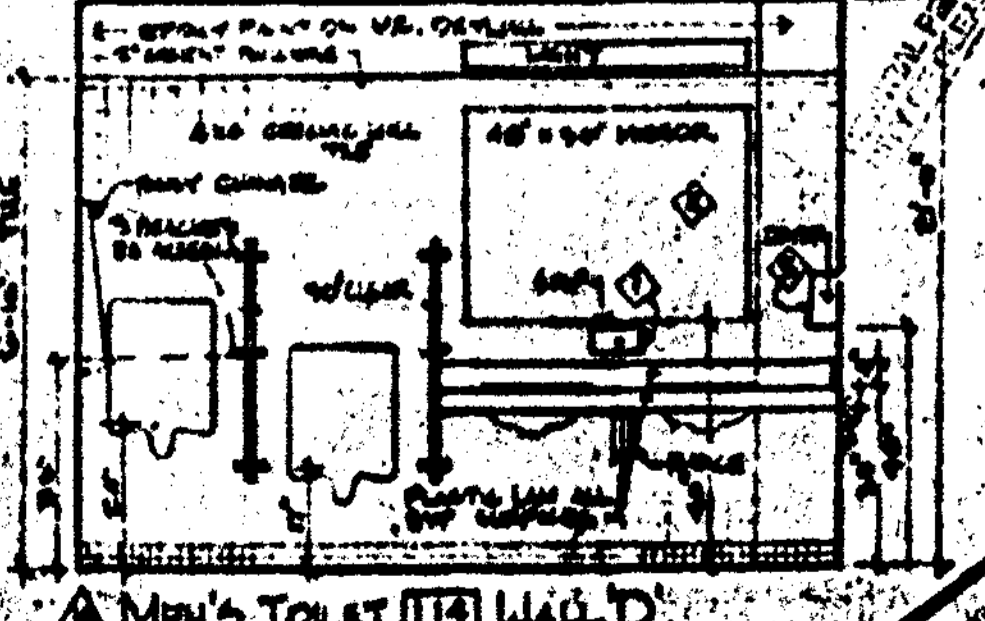
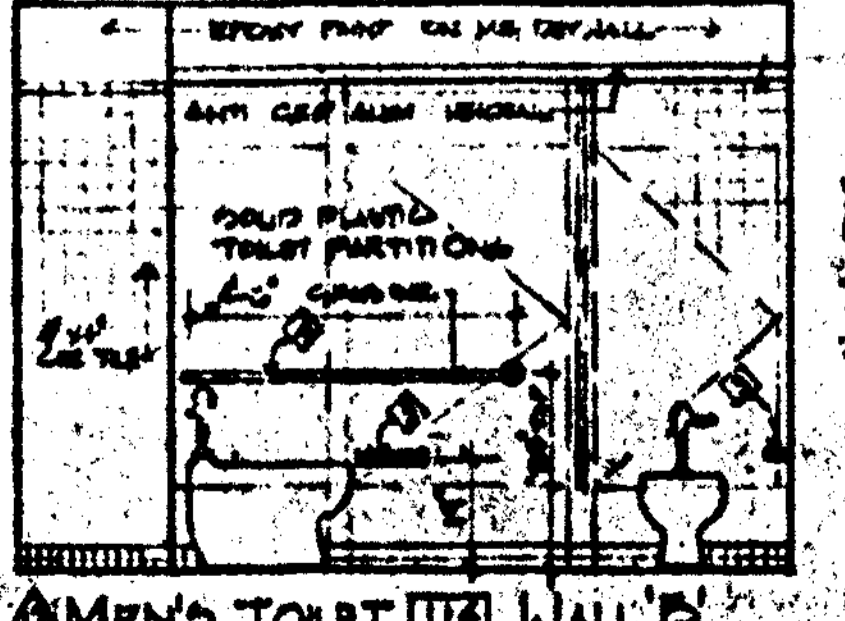
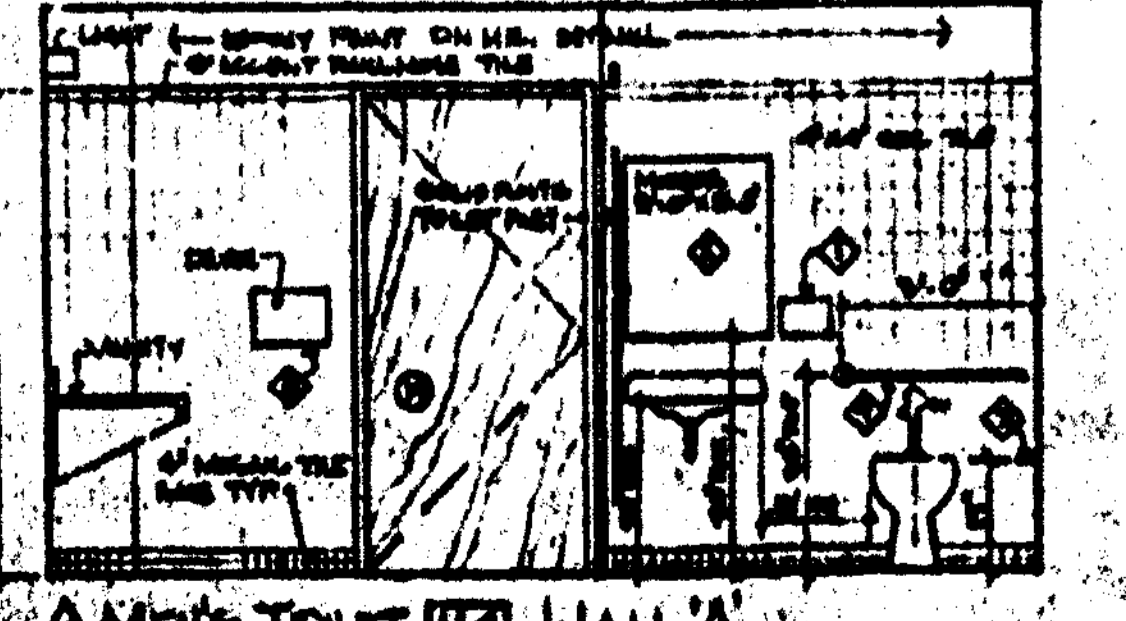
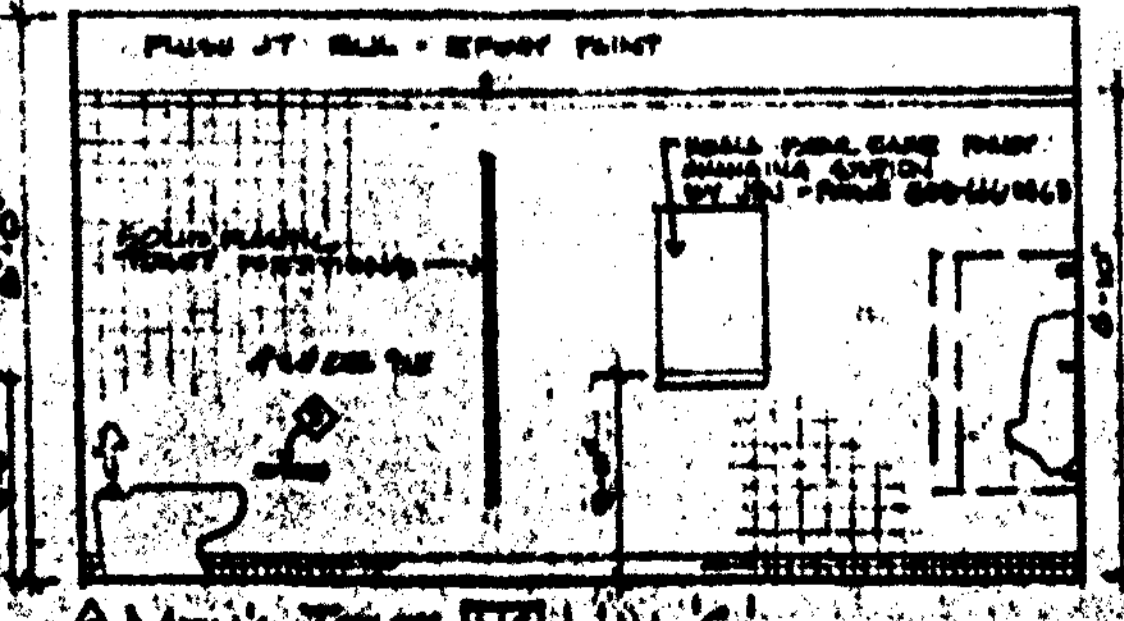
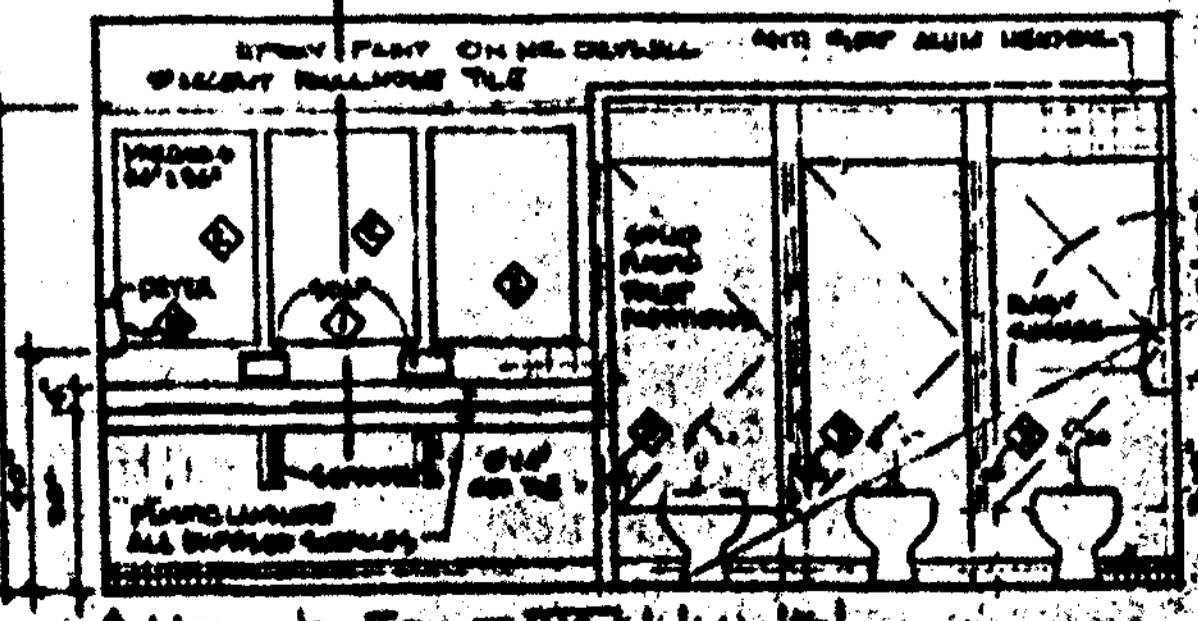
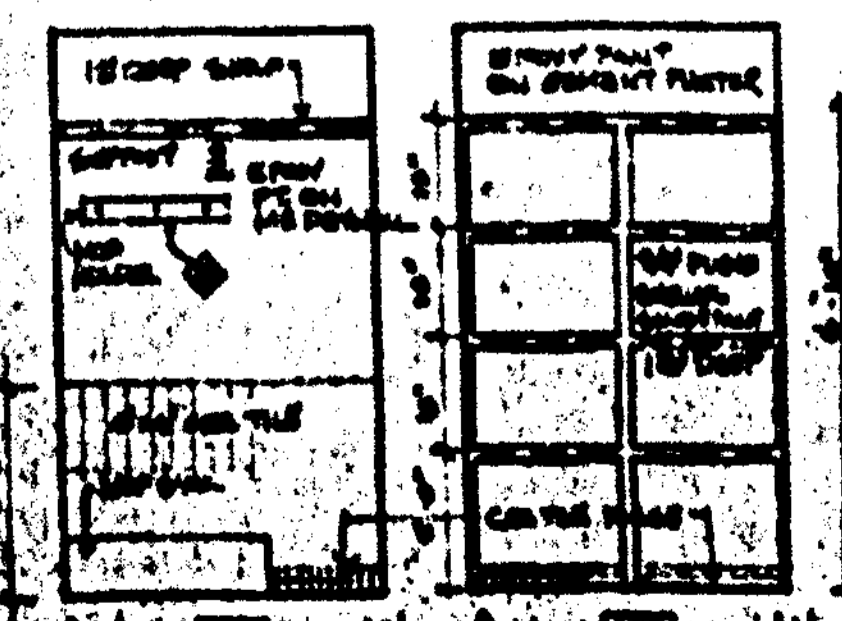
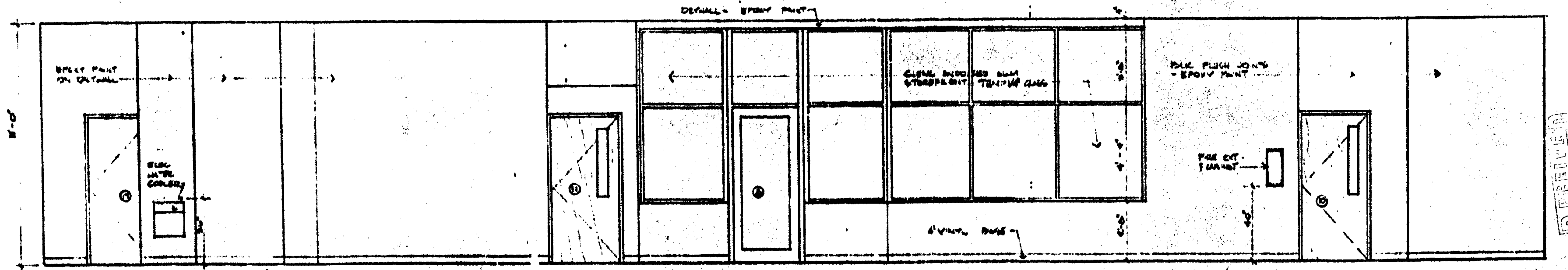
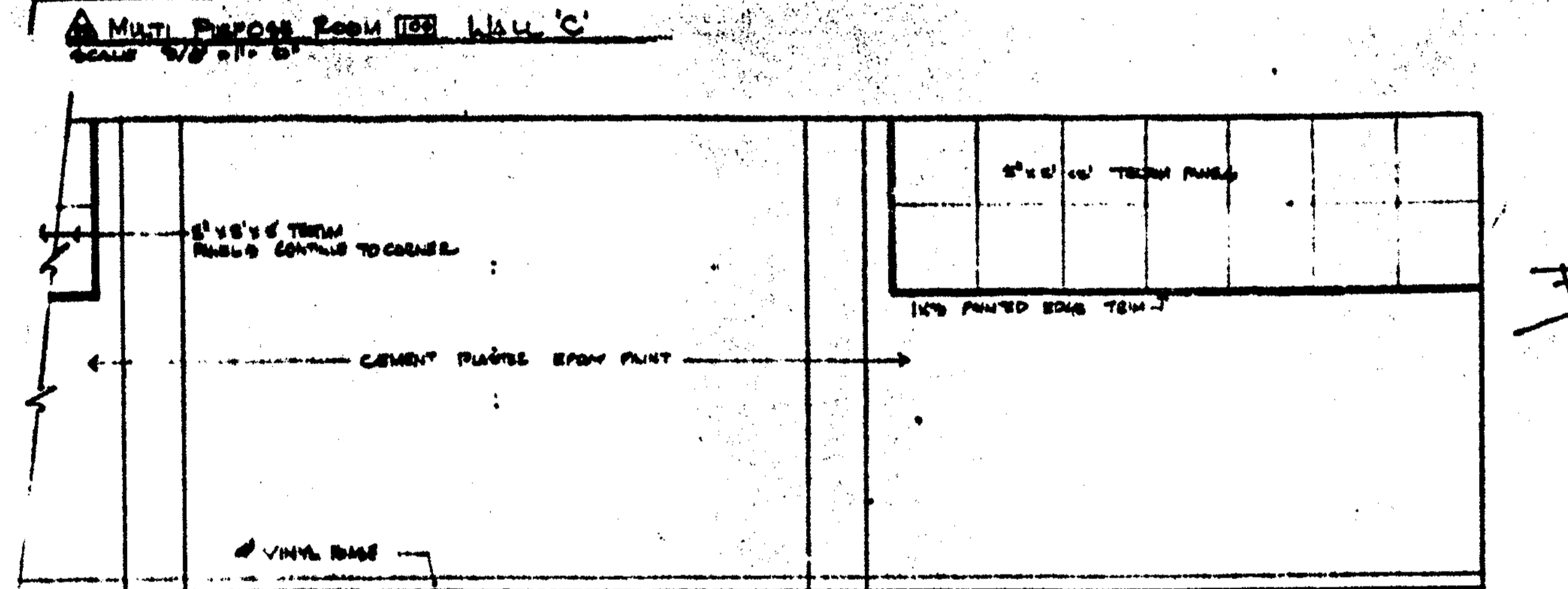
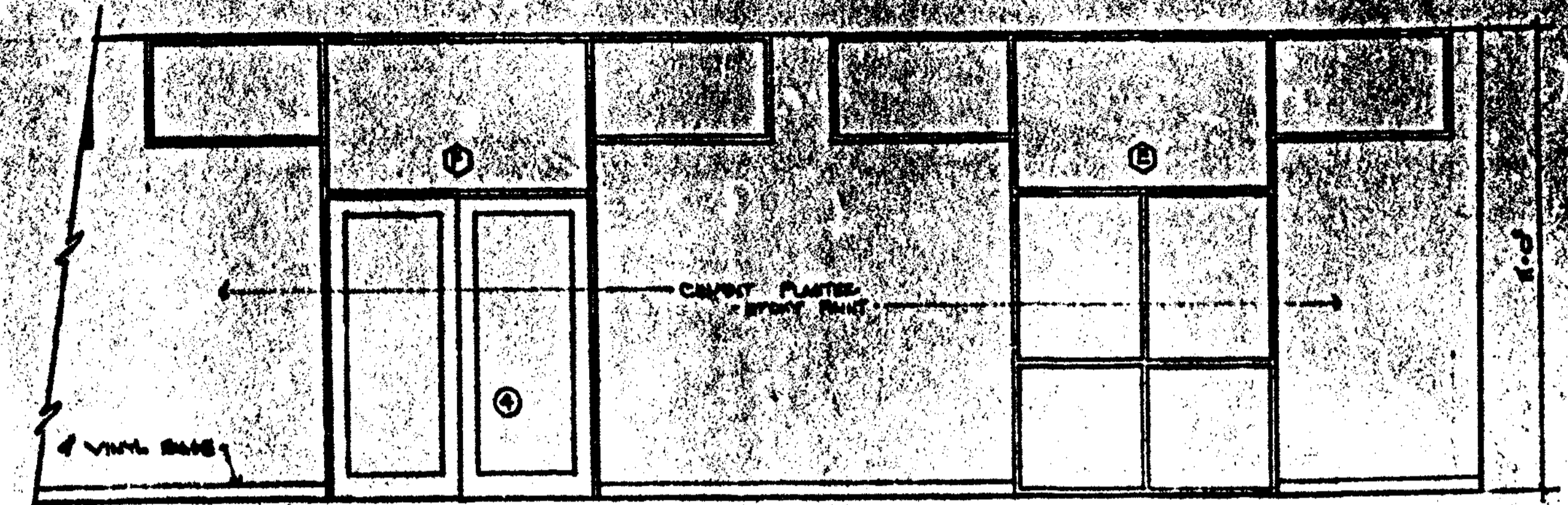
NOV 09 2007  
DEVELOPMENT SERVICES UNIT  
CITY OF CLEARWATER, FL

### ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALL 'A'	WALL 'B'	WALL 'C'	WALL 'D'	CERLING	CLING HGT	REMARKS
100	MULTI PURPOSE ROOM	1	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	8'-0"	BY MEASURE & F.C. FOR FINISH
101	LOBBY - CORRIDOR	1	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	8'-0"	
102	MEN'S TOILET	1	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	8'-0"	
103	MEN'S TOILET	1	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	8'-0"	
104	MEN'S TOILET	1	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	8'-0"	
105	MEN'S TOILET	1	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	8'-0"	

ABBREVIATIONS	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP
1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP	1/2" GYP



NOTE: ITEMS INDICATED BY  $\diamond$  ARE SHOWN IN SECTION 10800 TOILET ACCESSORIES.

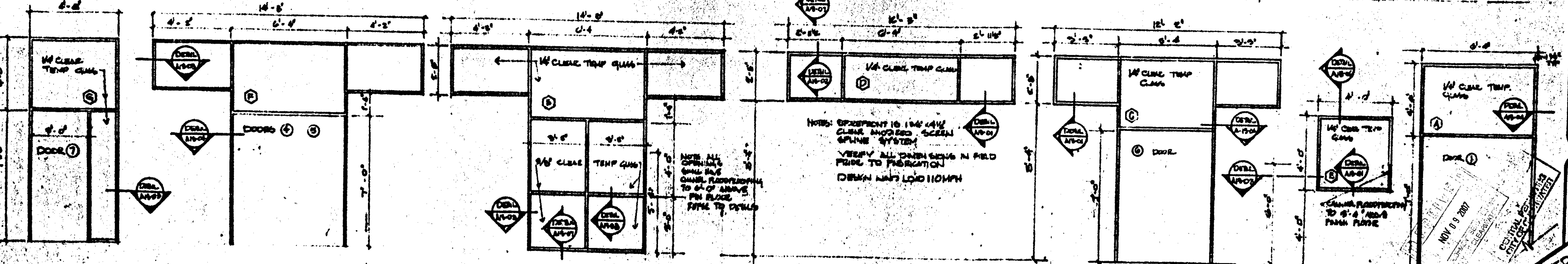
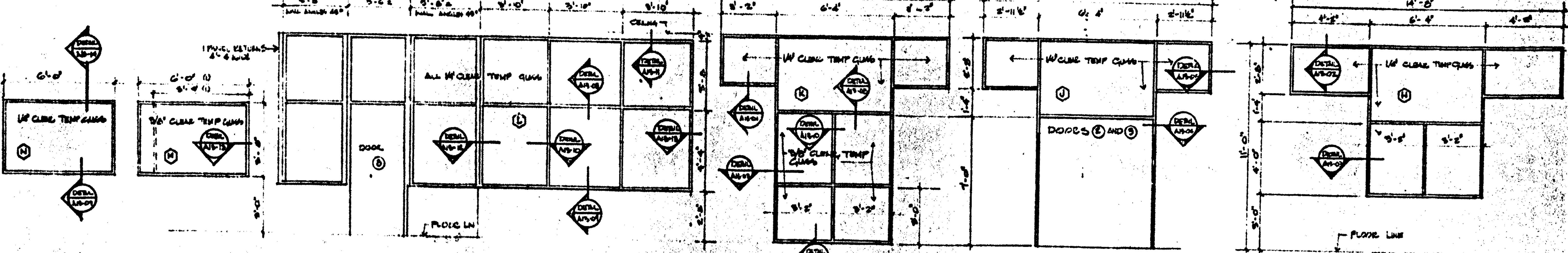
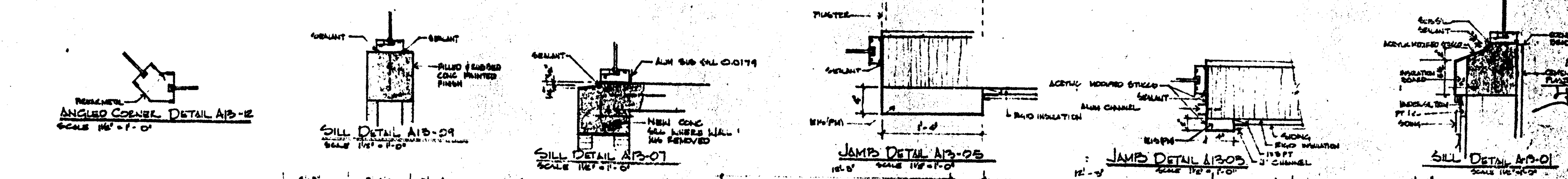
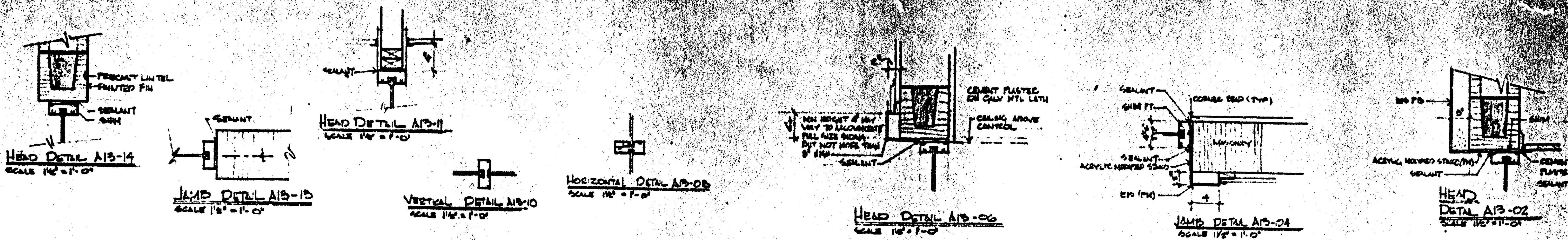
MYERS, PLISKO, OTT ARCHITECTS P.A. INC.  
 600 BIRCH STREET  
 CLEARWATER, FL 34625  
 (813) 441-7700

CLEARWATER BEACH  
 RECREATION CENTER  
 FOR THE CLEARWATER PARKS & RECREATION DEPT.  
 1000 1ST AVENUE S.W. CLEARWATER, FL 34625

RECEIVED  
NOV 09 2007

Best Copy Available

INTERIOR ELEVATIONS, PART II



NOTE: SPECIFIC TO 1/4\"/>

NOTE: ALL OPENINGS SHALL HAVE CHANNEL FLOORING TO 6\"/>

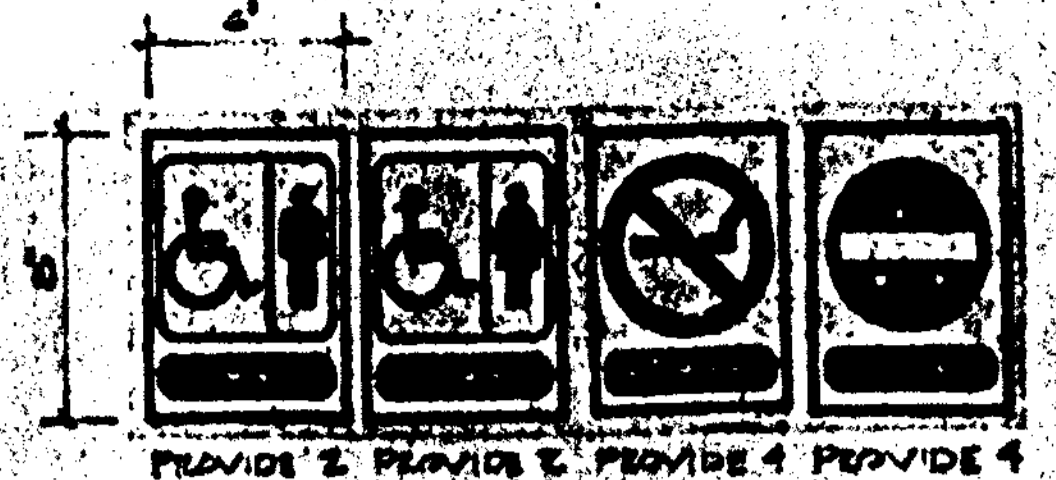
Best Copy Available

NOV 09 2007  
 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL ARCHIVE  
 COLLETSVILLE, PA

15-12-17  
**MYERS, PLSIKO, OTT ARCHITECTS, P.A.**  
 800 BERRY STREET  
 CLEARWATER, FL 34615  
 813-943-7500  
 813-943-7500  
 CLEARWATER BEACH  
 RECREATION CENTER  
 FOR THE CLEARWATER BEACH RECREATION DISTRICT  
 WINDOW SCHEDULE - DETAILS  
 A-13  
 A-13

### DOOR SCHEDULE

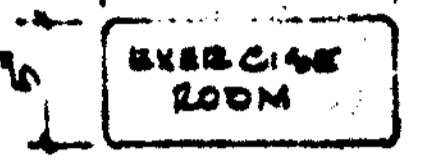
DOOR			FRAME					MISC.				
MARK	SIZE	TYPE	MATERIAL	FINISH	GLAZING	MATERIAL	FINISH	DETAIL NO.	THRESHOLD	HARDWARE	REMARKS	MARK
0000	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0001	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0002	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0003	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0004	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0005	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0006	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0007	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0008	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0009	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0010	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0011	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0012	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0013	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0014	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0015	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0016	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0017	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0018	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0019	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0020	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0021	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0022	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0023	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0024	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0025	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0026	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0027	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0028	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0029	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0030	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0031	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0032	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0033	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0034	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0035	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0036	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0037	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0038	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0039	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0040	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0041	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0042	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0043	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0044	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0045	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0046	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0047	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0048	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0049	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	
0050	3'0" x 7'0"	1	ALUMINUM	CLEAR ANODIZED	1/2" CLEAR GLASS	ALUMINUM	CLEAR ANODIZED	A14-01	ALUMINUM		GLASS	



PROVIDE 2 PROVIDE 3 PROVIDE 4 PROVIDE 4

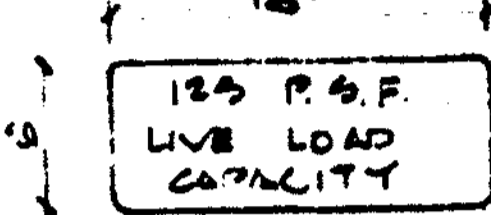
**PICTOGRAMS**

SIGNS - PHOTO MECHANICAL PROCESS ON 1/8" ACrylic PLATE - 1/8" W/40 GLAZING W/ GRADE II BEADLE LETTERS 0.0625" HIGH MATTE FINISH W/ CONTRASTING COLORS - MOUNT AS DIRECTED

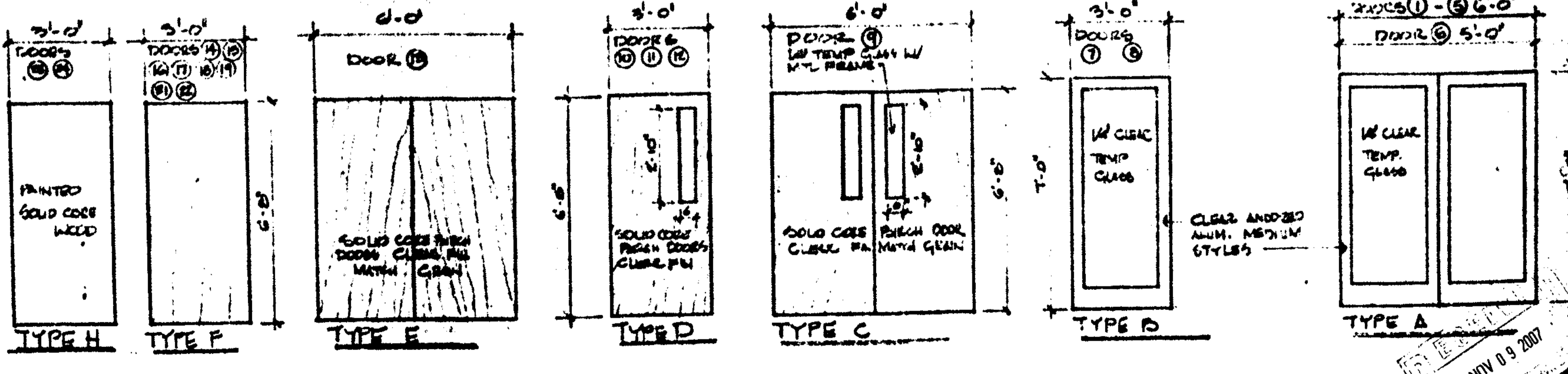
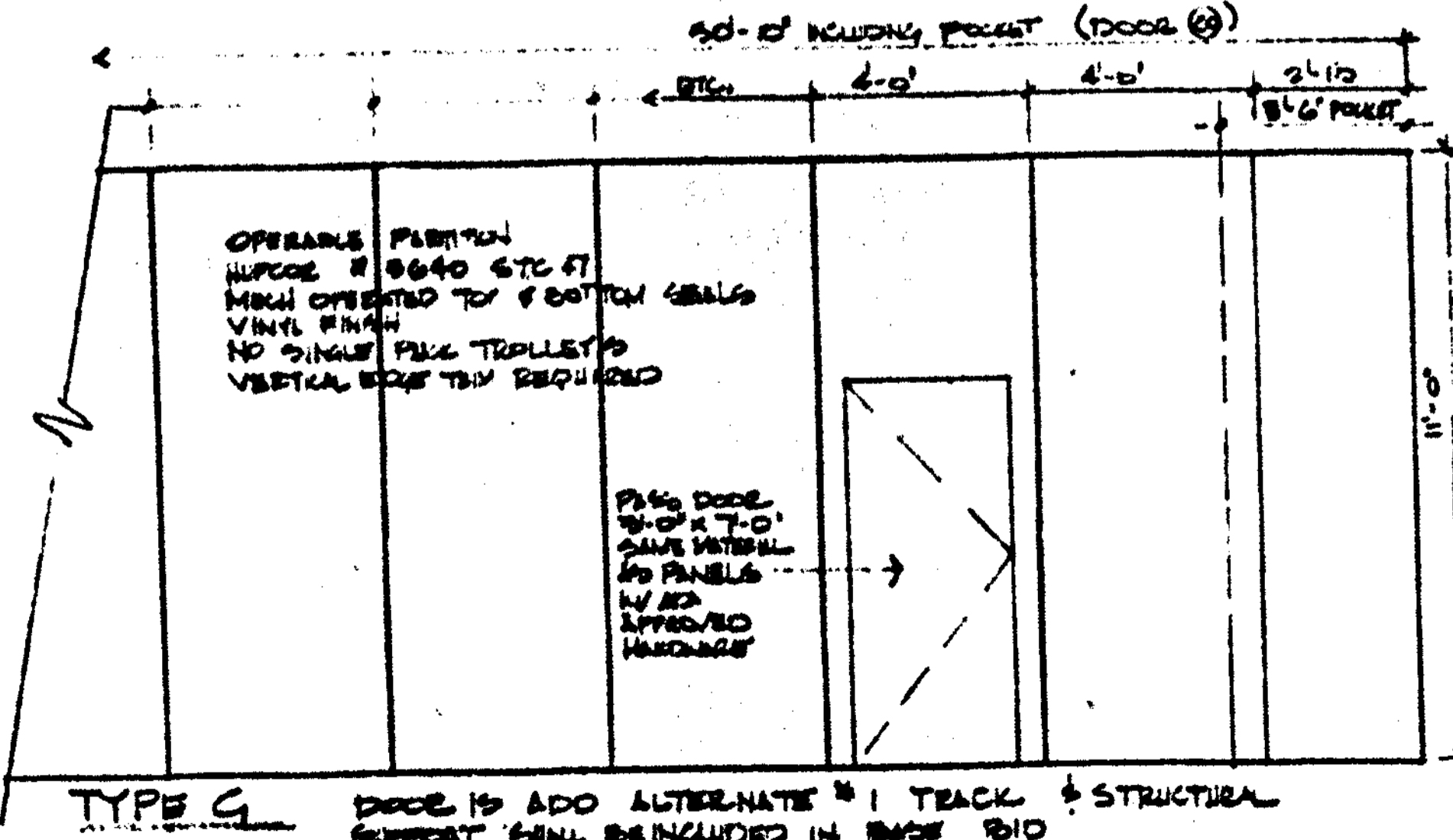
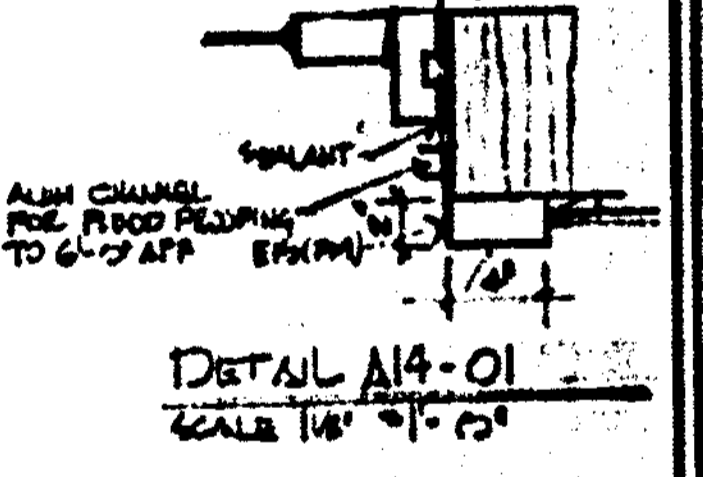
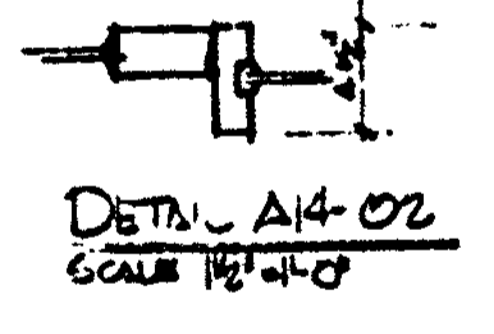
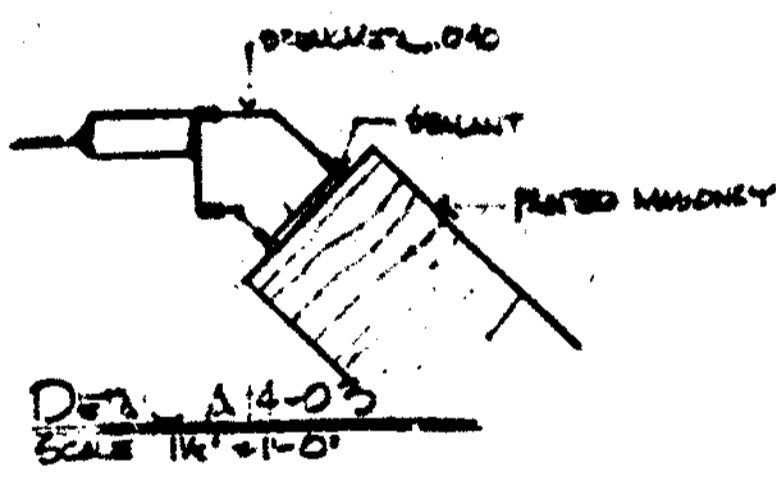
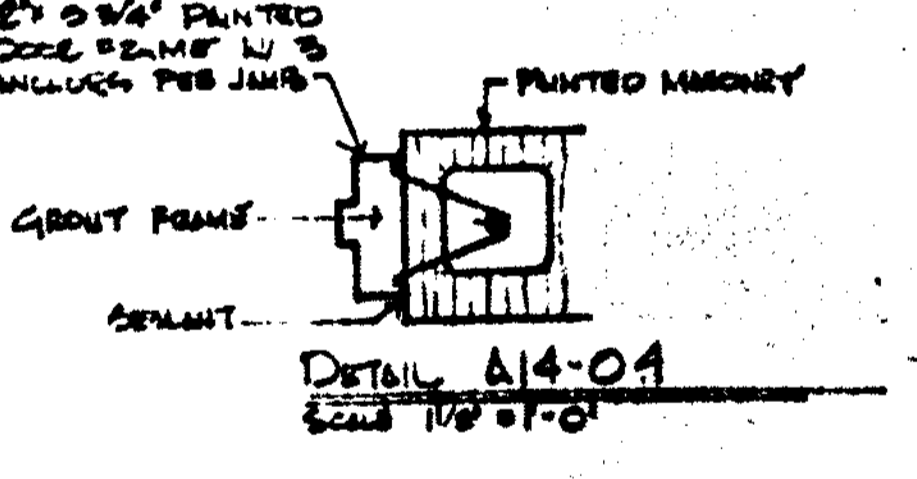
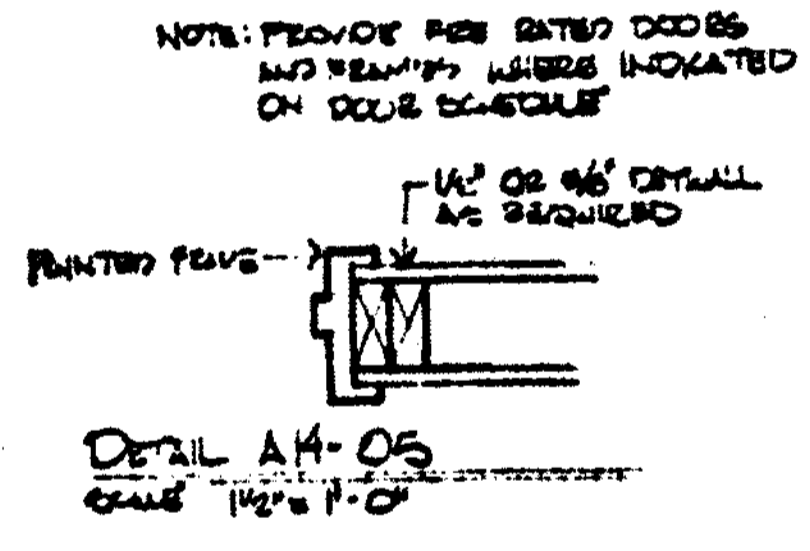
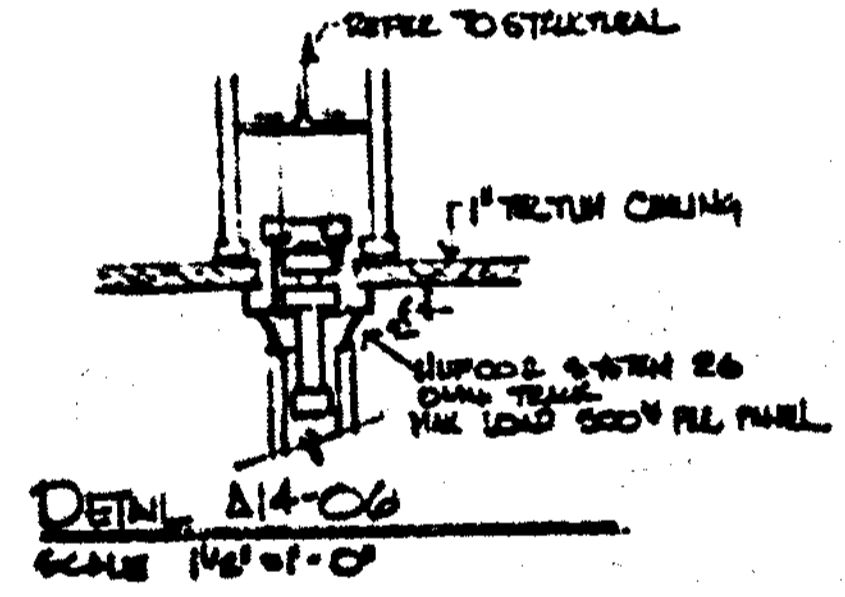


COPY FOR SIGNS WILL VARY AND BE FURNISHED TO CONTRACTOR. PROVIDE AND INSTALL THIRTEEN (13) ONE PLANK SIGNS 5 X 12 2" GRID W/ LEFT SHOWN BELOW

TYPICAL SIGN



MEZZANINE SIGN



**DOOR ELEVATIONS**  
SCALE 3/8" = 1'-0"

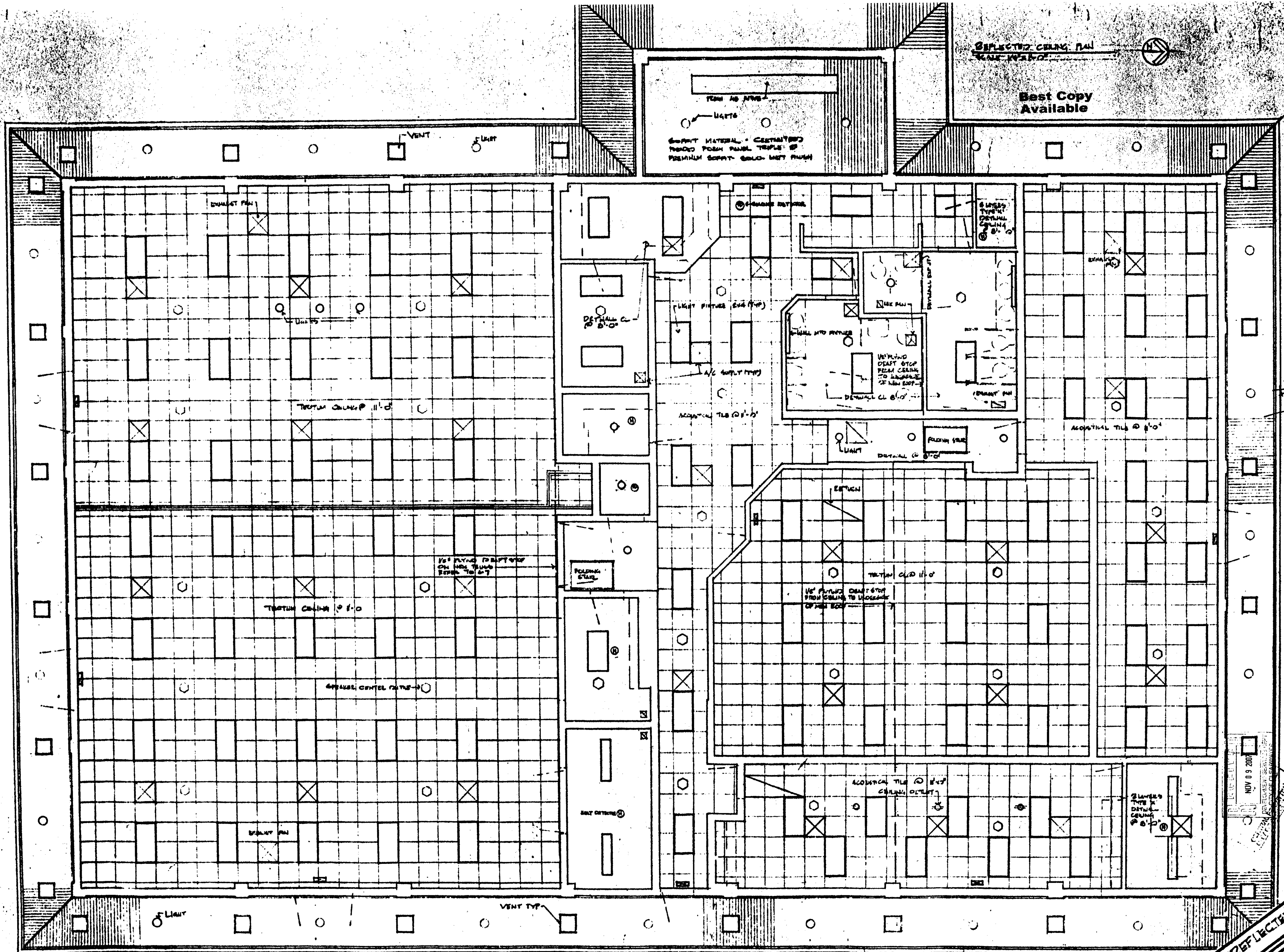
**MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA**  
 800 BREV STREET  
 CLEARWATER, FL 34615  
 407-688-4878

**CLEARWATER BEACH RECREATION CENTER**  
 FOR THE CLEARWATER BEACH & RECREATION DEPT.  
 90 EAST BAYVIEW

**A-14**  
 DOOR SCHEDULE & DETAILS - SKN

NOV 09 2007

Best Copy Available



REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"

Best Copy Available

SPRINT MATERIAL - CERTAINTEED  
TRUSS FROM PANEL TRUSS OF  
PREMIUM SPRINT - GOLD-MET FINISH

3-14-04  
**MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA**  
 800 DREW STREET  
 CLEARWATER, FL 34625  
 407-943-8888  
 407-943-7289

CLEARWATER BEACH  
 RECREATION CENTER  
 FOR THE CLEARWATER PARK & RECREATION DEPT.  
 3000 W. GULF BLVD. CLEARWATER, FL 34625

NOV 09 2007  
 DEVELOPMENT SERVICES  
 CLEARWATER BEACH RECREATION CENTER

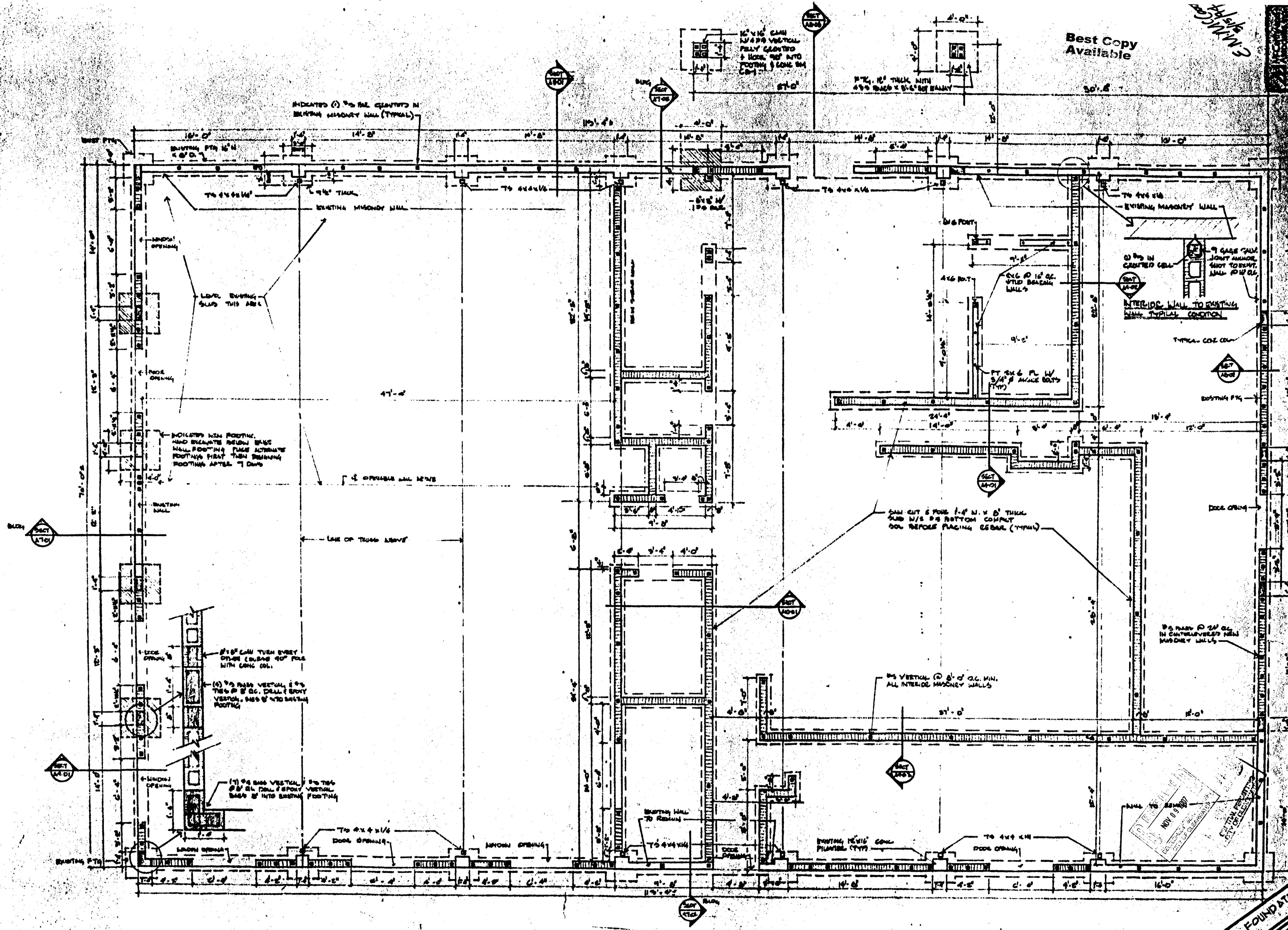
A-15

REFLECTED CEILING PLAN



Best Copy Available

Handwritten note: 2.M.10.13



MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA  
ACCOUNTS RECEIVABLE  
300 BREV STREET  
CLEARWATER, FL 34615  
407-6655 407-7200

APPROVED FOR  
CLEARWATER BEACH  
RECREATION CENTER  
FOR THE CLEARWATER PARK & RECREATION DEPT.  
BY: [Signature]  
DATE: [Blank]

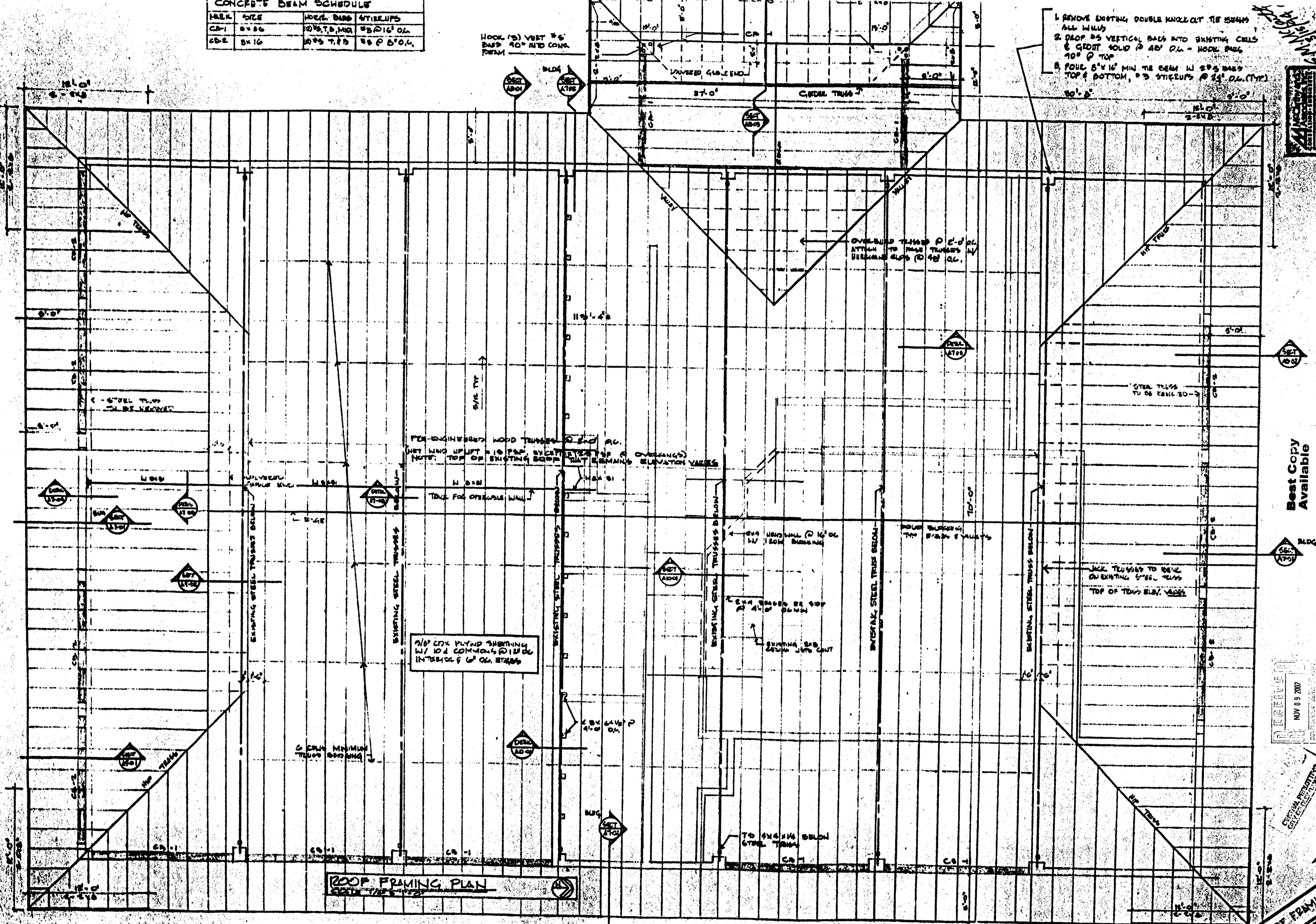


FOUNDATION PLAN

NOV 0 9 1984  
PERMITS DIVISION  
CITY OF CLEARWATER

**CONCRETE BEAM SCHEDULE**

MARK	SIZE	NO. OF BARS	STIRREPS
CB-1	8" x 8"	2 #5 T, 2 #4 B	#3 @ 16" O.C.
CB-2	8" x 16"	2 #5 T, 2 #4 B	#3 @ 16" O.C.



1. REMOVE EXISTING DOUBLE KNOCKOUT TIE BEAMS ALL WALLS
2. DROP 25 VERTICAL BARS INTO EXISTING CELLS & GROUT FILL @ 40' O.C. - HOOD BAZZ 10' @ TOP
3. POUR 8" x 16" MIN. TH BEAM W/ 2 #5 BARS TOP & BOTTOM, #3 STIRREPS @ 16" O.C. (TYP)

FOR ENGINEER'S WOOD TRUSSES (2' x 8" O.C.)  
 NET WIND UPLIFT = 10 PSF. BY CODE (SEE 6 OVERHANGS)  
 NOTE: TOP OF EXISTING BEAM BUT REMAINING ELEVATION VARIES

2" x 4" COX PLYWOOD SHEATHING  
 W/ 10' x COMMONS @ 12" O.C.  
 INTERIORS @ O.C. STAYS

**ROOF FRAMING PLAN**

Best Copy Available

RECEIVED  
 NOV 09 2007  
 DEPARTMENT OF PUBLIC WORKS  
 CITY OF CLEARWATER

**MYERS, PLSIKO, OTT ARCHITECTS, P.A.**  
 200 BREV STREET  
 CLEARWATER, FL 34615  
 407-944-7200

APPROVED TO  
**CLEARWATER BEACH RECREATION CENTER**  
 FOR THE CLEARWATER PARKS & RECREATION DEPT.  
 2007-11-09

**ROOF FRAMING PLAN**

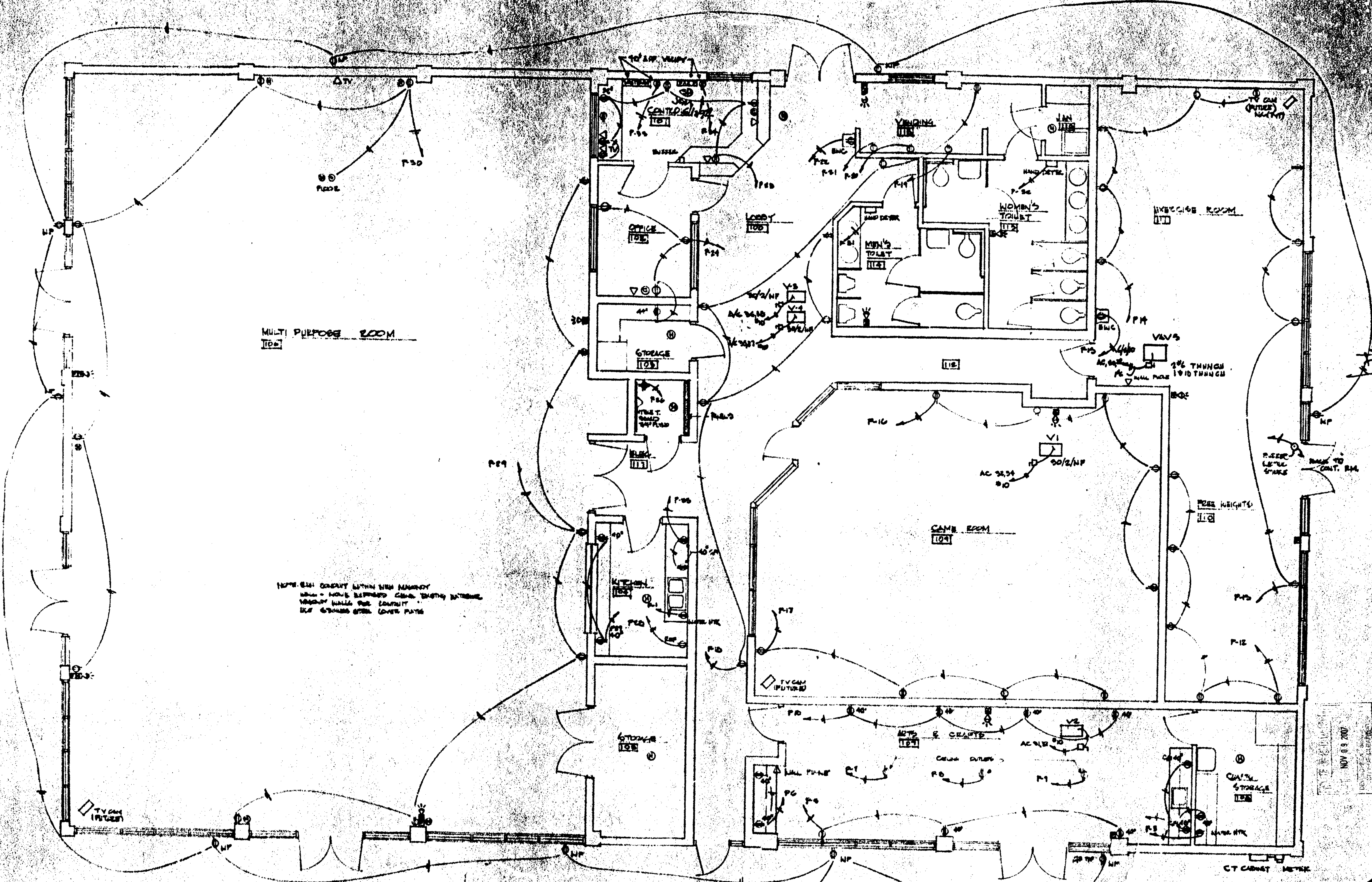


**FIRE ALARM ZONE BOUNDARY**

**ZONE B**

**AREA DESCRIPTION:**

MANUAL CALL STATIONS MAIN BUILDING  
 MANUAL CALL STATIONS MAIN BUILDING  
 HEAT & SMOKE DETECTORS MAIN BUILDING  
 HEAT DETECTORS MECHANICAL REPAIRING  
 SMOKE DETECTORS MECHANICAL REPAIRING



MULTI PURPOSE ROOM  
102

NOTE: SEE CIRCUIT WITHIN NEW MANNING WALL - HAVE BARRIERS CONDUIT ENTRY EXTENSIVE MANNING WALL FOR CONDUIT BUT STRONG STEEL CONCRETE PATE

ELECTRICAL, POWER & FIRE PLAN  
SCALE 1/8" = 1'-0"

**MYERS, PLISKO, OTT ARCHITECTS, R.A. AIA**  
 ADDRESS: 300 ORCHARD STREET  
 CLEARWATER, FL 34605  
 407-944-7200

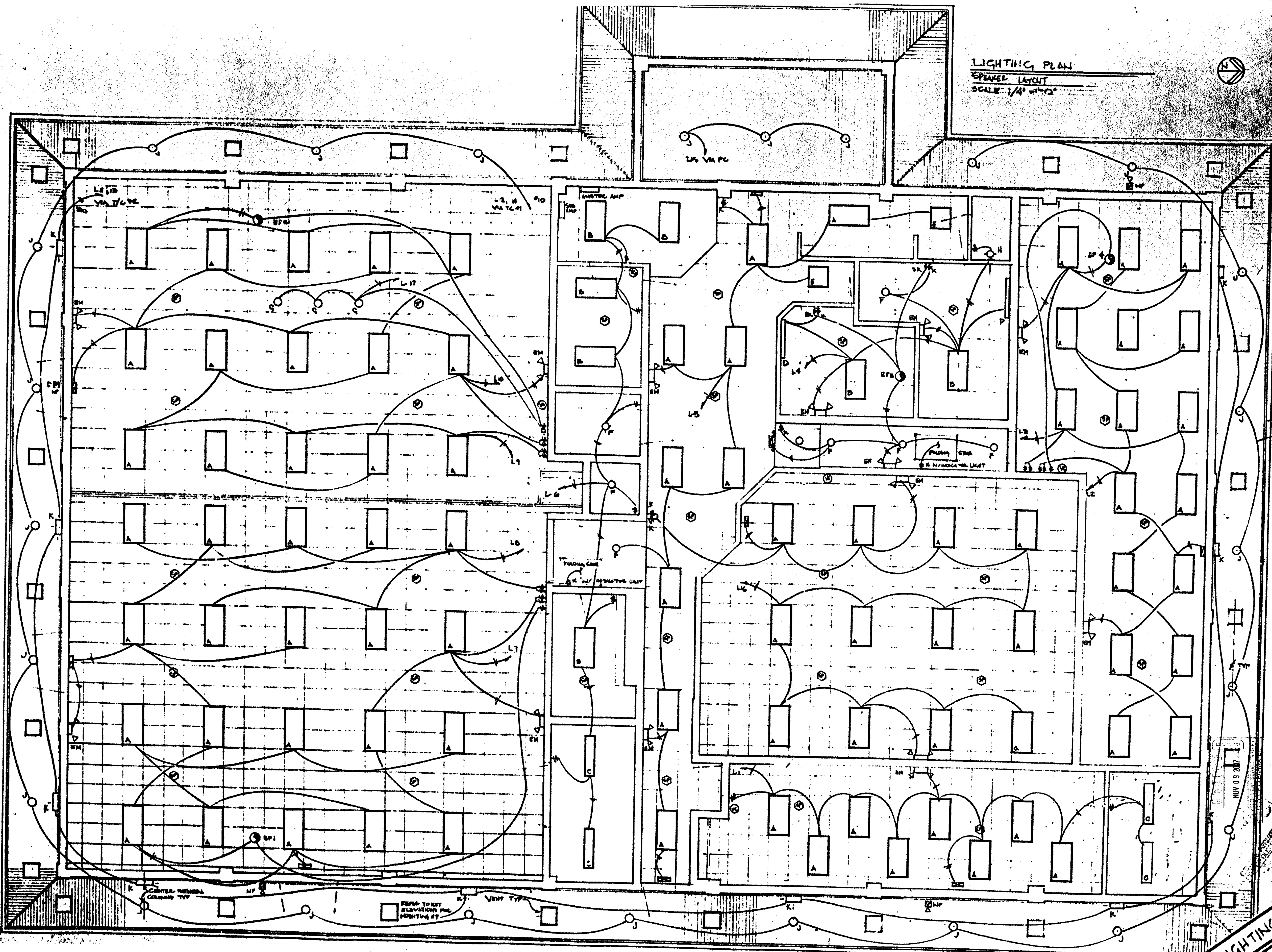
ARCHITECTS FOR:  
**CLEARWATER BEACH RECREATION CENTER**  
 FOR THE CLEARWATER BEACH & RECREATION DISTRICT

NOV 8 9 2007

**F-1**

PLAN

Best Copy Available



LIGHTING PLAN  
SPEAKER LAYOUT  
SCALE: 1/4" = 1'-0"

MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA  
300 BREV STREET  
CLEARWATER, FL 34625  
407-422-7200

ALTERATIONS TO  
CLEARWATER BEACH  
RECREATION CENTER  
FOR THE CLEARWATER PARKS & RECREATION DEPT.  
© MAY 2011

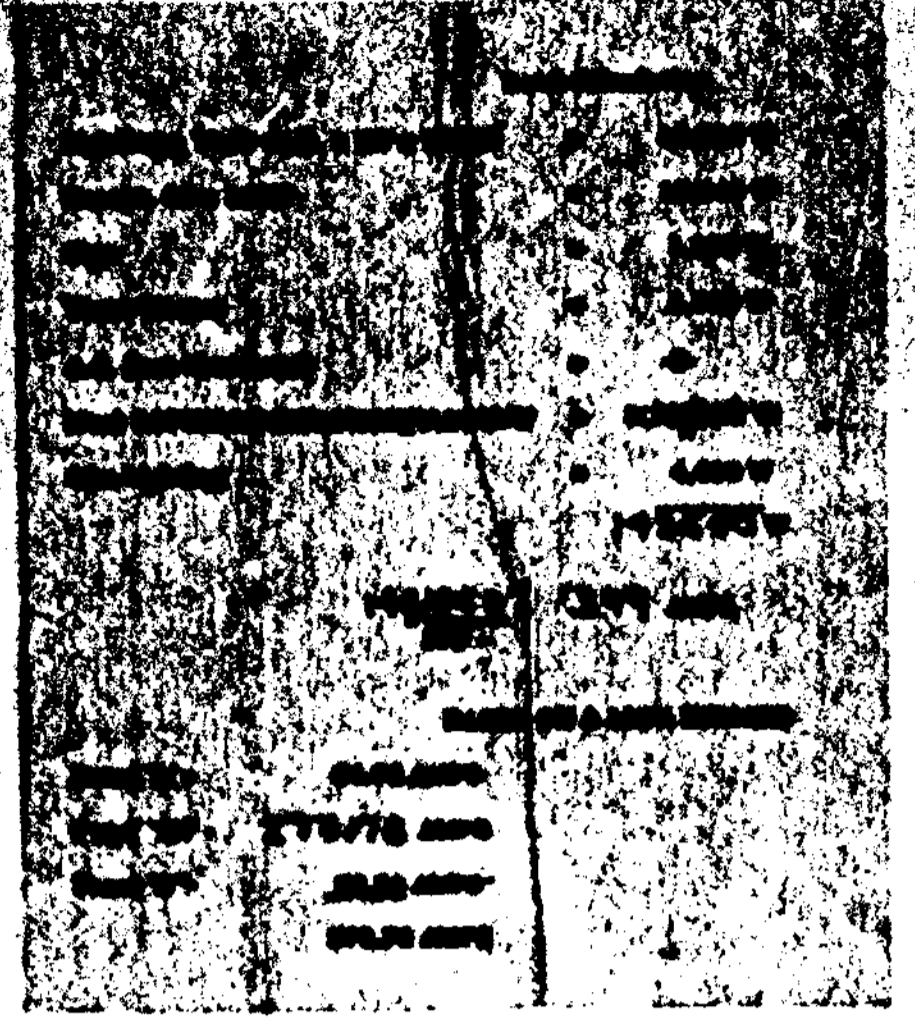
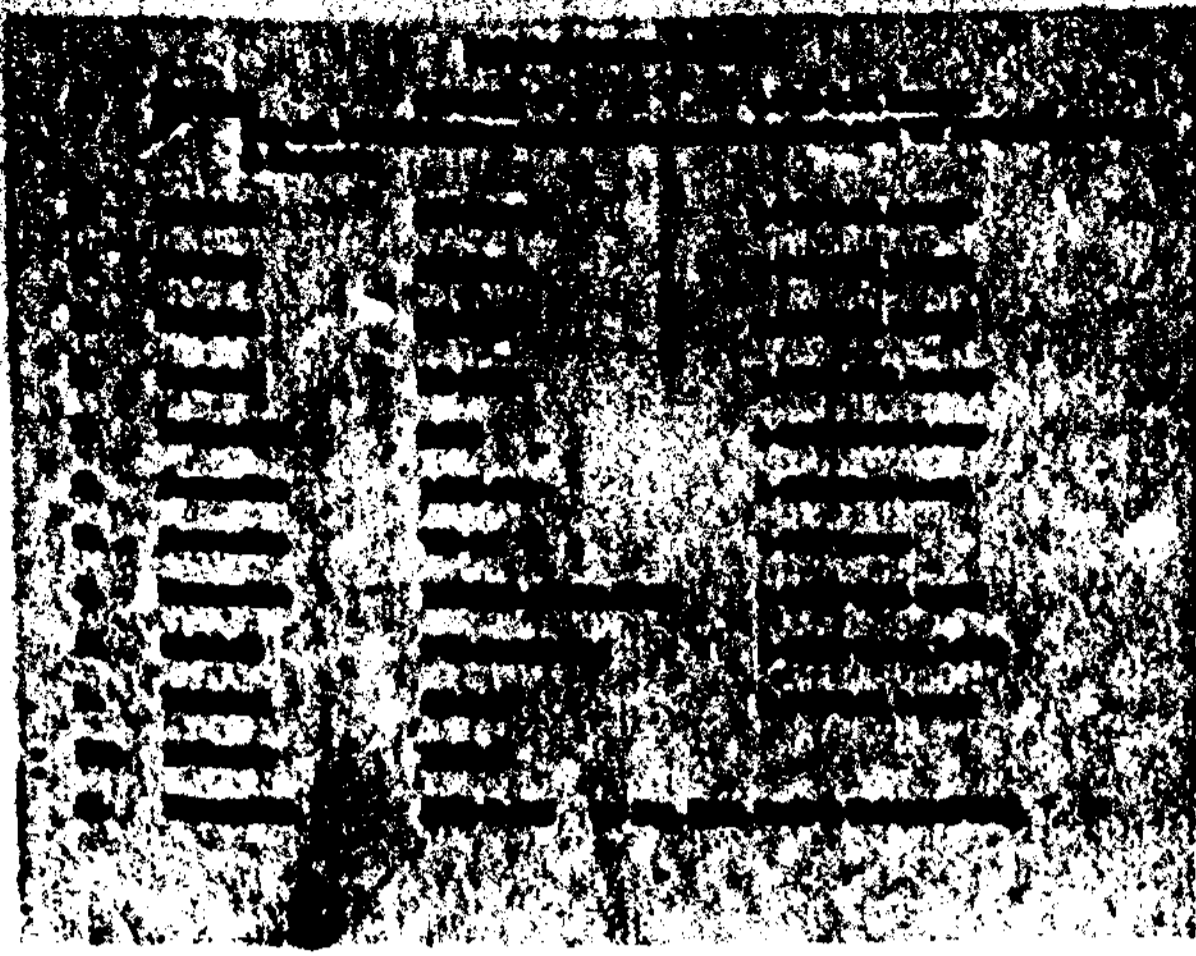


F-2

LIGHTING PLAN

Best Copy Available

6-0-74  
 8-1-74  
**MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA**  
 AAC000025  
 800 BREW STREET  
 CLEARWATER, FL 34615 441-0000 441-7500



**ELECTRICAL SYMBOLS**

- SW SWITCH
- KEY SWITCH
- 3 WAY SWITCH
- DUPLER OUTLET MOUNT HT 4' 6"
- DUPLER OUTLET MOUNT HT 6' 6"
- OUTLET GROUND FAULT
- WEATHER PROOF W/ GROUND FAULT
- DUPL OUTLET
- COMPUTER OUTLET
- FLOOR OUTLET
- DISCONNECT SWITCH
- JUNCTION BOX
- PHONE
- TV CABLE
- EXHAUST FAN

**FIRE ALARM SYMBOLS**

- MANUAL PULL STATION MOUNT 40"
- HEAT DETECTOR 186"
- CEILING MOUNTED PHOTOELECTRIC SMOKE DETECTOR
- DUCT MOUNTED SMOKE DETECTOR
- FAN SHUTDOWN RELAY
- SPEAKER & ADA STROBE LIGHTS MOUNTED AT 50" AFF

**VOICE EVACUATION FIRE ALARM PANEL**

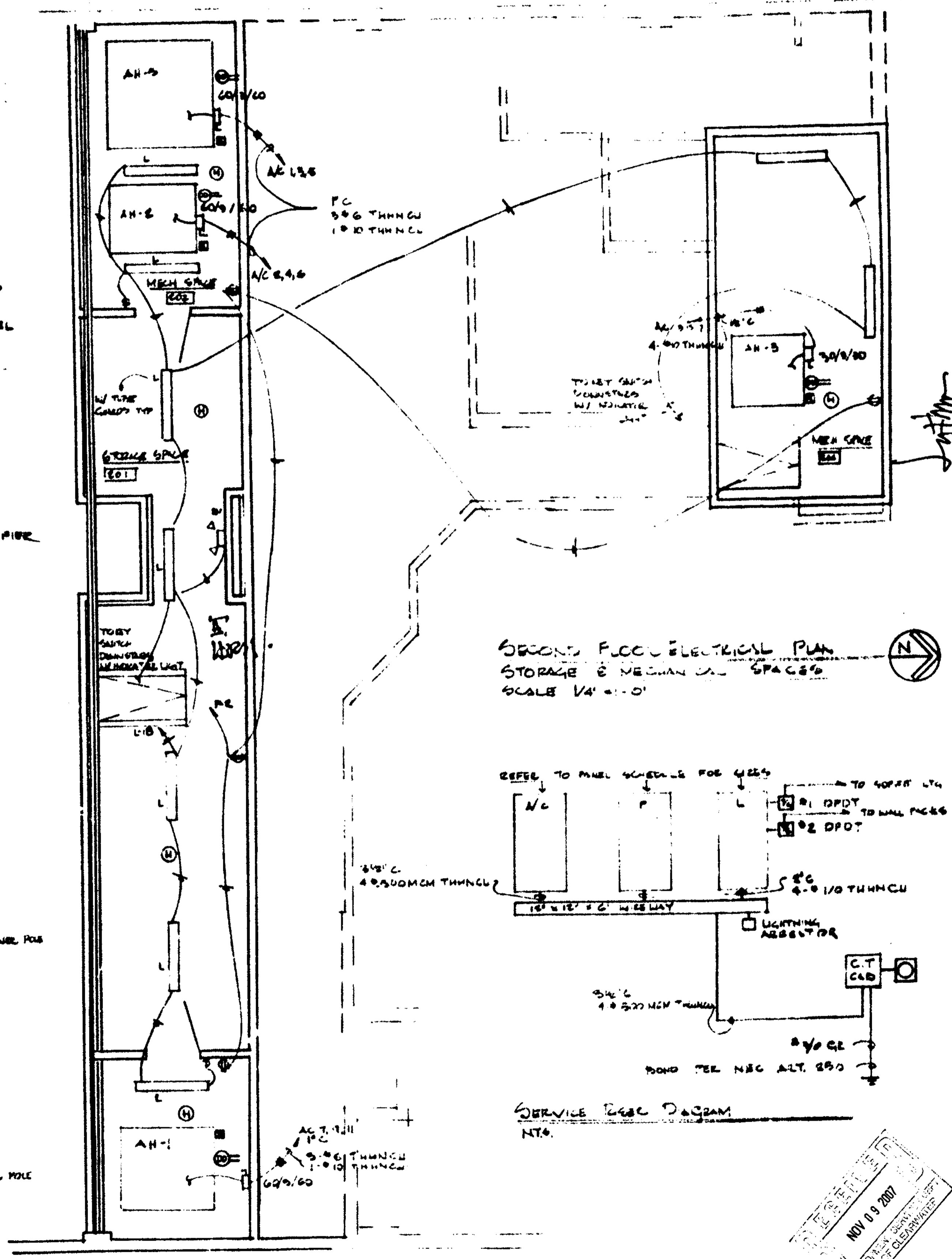
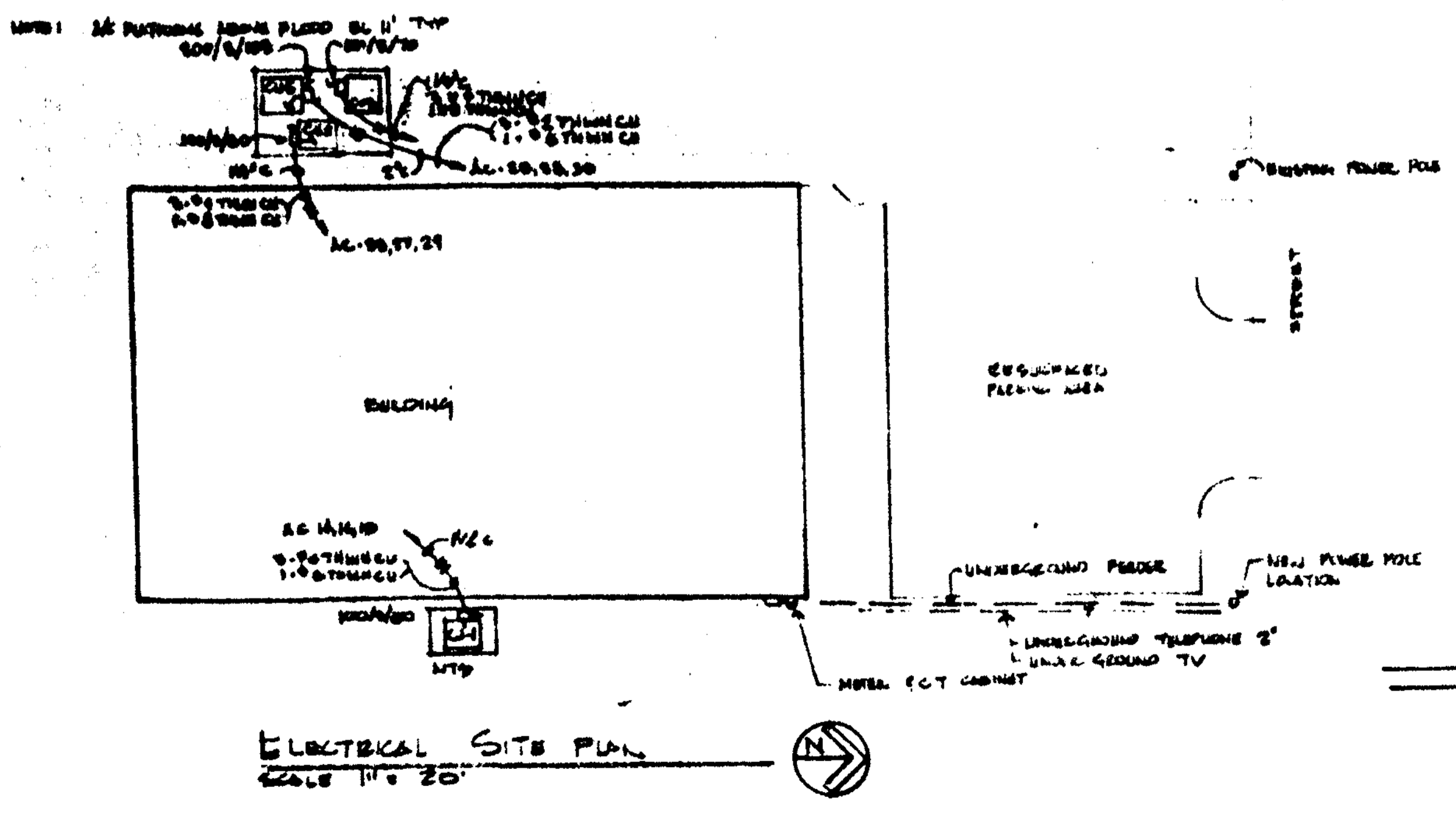
**SOUND & PAGING SYSTEM**

- CEILING MOUNTED PAGING SPEAKER
- WEATHER PROOF PAGING SPEAKER
- WALL MOUNTED VOLUME CONTROL
- WALL OR FLOOR MOUNTED MICROPHONE JACK
- SHelf MOUNTED MULTI-PURPOSE ROOM AMPLIFIER
- WALL MOUNTED MASTER PAGING AMPLIFIER

NO.	DESCRIPTION	QTY	UNIT
1	SWITCH		
2	KEY SWITCH		
3	3 WAY SWITCH		
4	DUPLER OUTLET MOUNT HT 4' 6"		
5	DUPLER OUTLET MOUNT HT 6' 6"		
6	OUTLET GROUND FAULT		
7	WEATHER PROOF W/ GROUND FAULT		
8	DUPL OUTLET		
9	COMPUTER OUTLET		
10	FLOOR OUTLET		
11	DISCONNECT SWITCH		
12	JUNCTION BOX		
13	PHONE		
14	TV CABLE		
15	EXHAUST FAN		
16	MANUAL PULL STATION MOUNT 40"		
17	HEAT DETECTOR 186"		
18	CEILING MOUNTED PHOTOELECTRIC SMOKE DETECTOR		
19	DUCT MOUNTED SMOKE DETECTOR		
20	FAN SHUTDOWN RELAY		
21	SPEAKER & ADA STROBE LIGHTS MOUNTED AT 50" AFF		
22	CEILING MOUNTED PAGING SPEAKER		
23	WEATHER PROOF PAGING SPEAKER		
24	WALL MOUNTED VOLUME CONTROL		
25	WALL OR FLOOR MOUNTED MICROPHONE JACK		
26	SHelf MOUNTED MULTI-PURPOSE ROOM AMPLIFIER		
27	WALL MOUNTED MASTER PAGING AMPLIFIER		

NO.	DESCRIPTION	QTY	UNIT
1	SWITCH		
2	KEY SWITCH		
3	3 WAY SWITCH		
4	DUPLER OUTLET MOUNT HT 4' 6"		
5	DUPLER OUTLET MOUNT HT 6' 6"		
6	OUTLET GROUND FAULT		
7	WEATHER PROOF W/ GROUND FAULT		
8	DUPL OUTLET		
9	COMPUTER OUTLET		
10	FLOOR OUTLET		
11	DISCONNECT SWITCH		
12	JUNCTION BOX		
13	PHONE		
14	TV CABLE		
15	EXHAUST FAN		
16	MANUAL PULL STATION MOUNT 40"		
17	HEAT DETECTOR 186"		
18	CEILING MOUNTED PHOTOELECTRIC SMOKE DETECTOR		
19	DUCT MOUNTED SMOKE DETECTOR		
20	FAN SHUTDOWN RELAY		
21	SPEAKER & ADA STROBE LIGHTS MOUNTED AT 50" AFF		
22	CEILING MOUNTED PAGING SPEAKER		
23	WEATHER PROOF PAGING SPEAKER		
24	WALL MOUNTED VOLUME CONTROL		
25	WALL OR FLOOR MOUNTED MICROPHONE JACK		
26	SHelf MOUNTED MULTI-PURPOSE ROOM AMPLIFIER		
27	WALL MOUNTED MASTER PAGING AMPLIFIER		

NO.	DESCRIPTION	QTY	UNIT
1	SWITCH		
2	KEY SWITCH		
3	3 WAY SWITCH		
4	DUPLER OUTLET MOUNT HT 4' 6"		
5	DUPLER OUTLET MOUNT HT 6' 6"		
6	OUTLET GROUND FAULT		
7	WEATHER PROOF W/ GROUND FAULT		
8	DUPL OUTLET		
9	COMPUTER OUTLET		
10	FLOOR OUTLET		
11	DISCONNECT SWITCH		
12	JUNCTION BOX		
13	PHONE		
14	TV CABLE		
15	EXHAUST FAN		
16	MANUAL PULL STATION MOUNT 40"		
17	HEAT DETECTOR 186"		
18	CEILING MOUNTED PHOTOELECTRIC SMOKE DETECTOR		
19	DUCT MOUNTED SMOKE DETECTOR		
20	FAN SHUTDOWN RELAY		
21	SPEAKER & ADA STROBE LIGHTS MOUNTED AT 50" AFF		
22	CEILING MOUNTED PAGING SPEAKER		
23	WEATHER PROOF PAGING SPEAKER		
24	WALL MOUNTED VOLUME CONTROL		
25	WALL OR FLOOR MOUNTED MICROPHONE JACK		
26	SHelf MOUNTED MULTI-PURPOSE ROOM AMPLIFIER		
27	WALL MOUNTED MASTER PAGING AMPLIFIER		

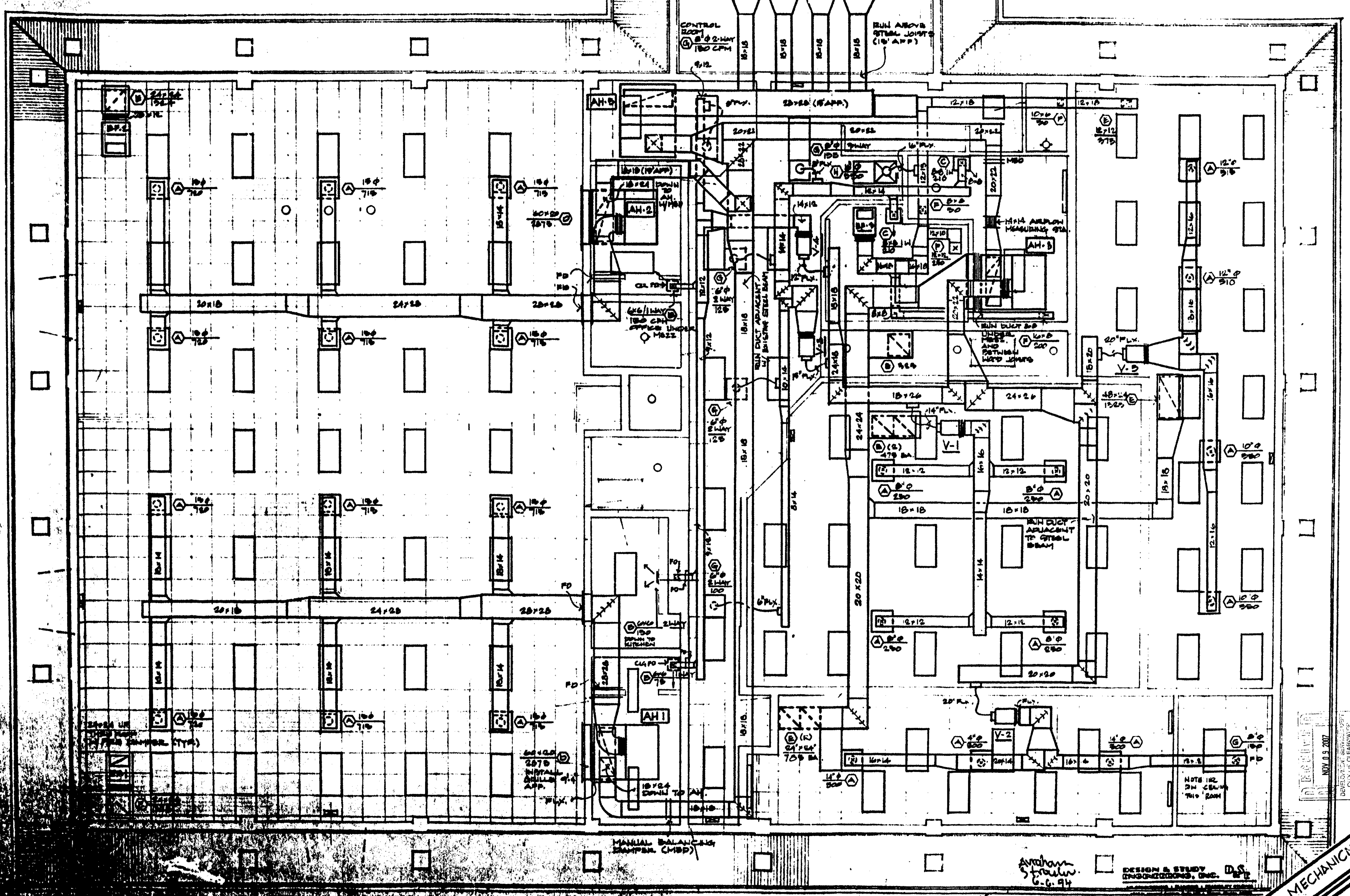


NOV 9 2007  
 CLEARWATER

ALLEGATIONS TO  
**CLEARWATER BEACH RECREATION CENTER**  
 FOR THE CLEARWATER PARKS & RECREATION DEPT.  
 CLEARWATER BEACH, FL  
 60 EAST BAYLAND

11-3  
 11-3

66-94  
3-14-94



**MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA**  
ACCOUNTS  
900 BIRCH STREET CLEARWATER, FL 34615 407-666-0000 407-666-7000

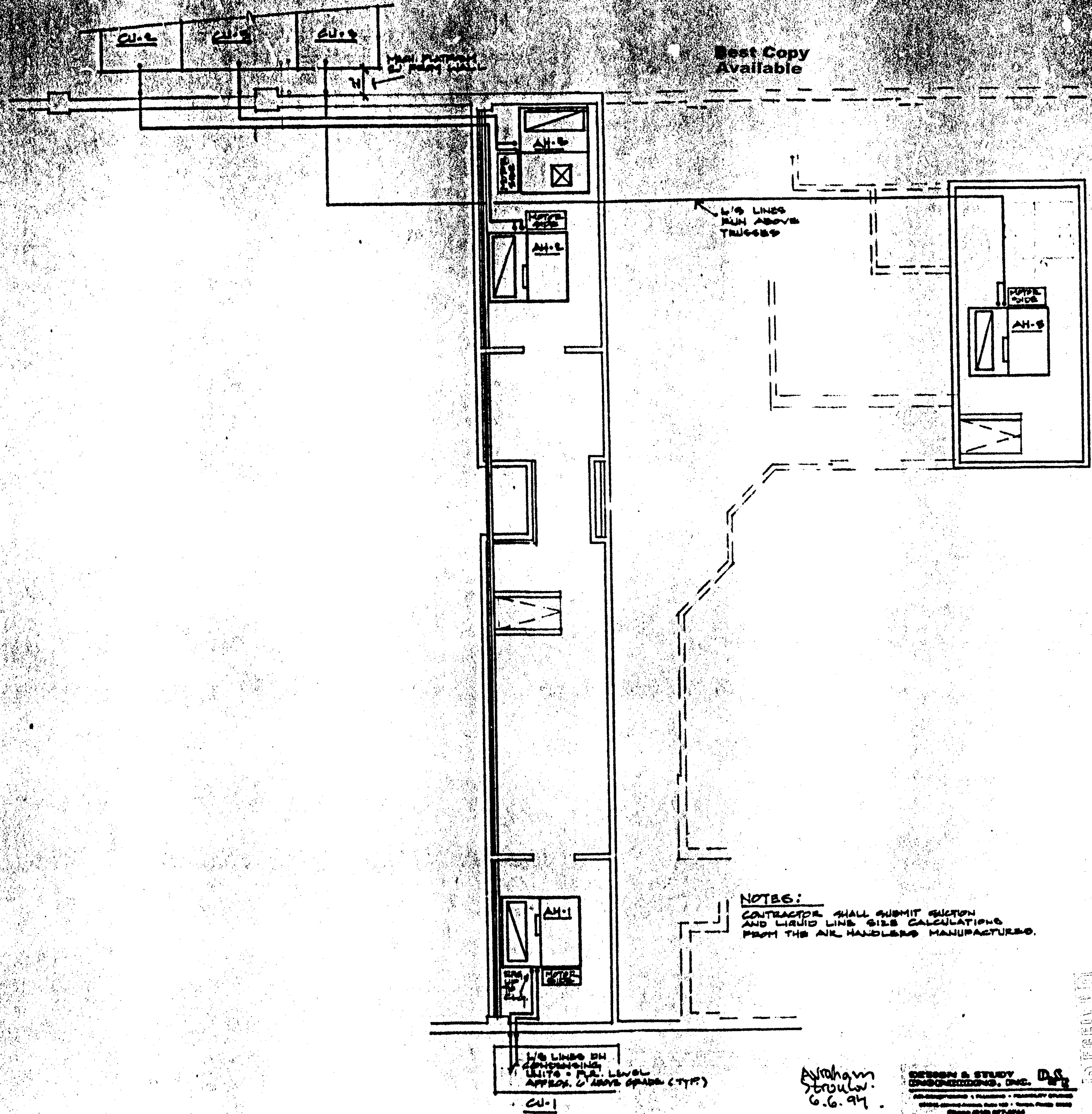
ALLEGATIONS TO  
**CLEARWATER BEACH RECREATION CENTER FOR THE CLEARWATER PARKS & RECREATION DEPT.**  
© 2007 CLEARWATER BEACH, FL



**M-1**

**MECHANICAL FLOOR PLAN**

Arham Struik  
6.6.94  
DESIGN & STUDY  
ENGINEERING, INC. D.S.  
PHOTO 18118 077-004



MAYERS, PLISKO, OTT ARCHITECTS, P.A.  
 300 MAIN STREET  
 SUITE 200  
 BOSTON, MA 02108  
 TEL: 617-552-1100  
 FAX: 617-552-1101

AUTHORITY OF  
 CLEARWATER BEACH  
 RECREATION CENTER  
 FOR THE CLEARWATER BEACH RECREATION TRUST  
 1000 CLEARWATER BEACH  
 CLEARWATER, FL 34617  
 TEL: 407-462-1100  
 FAX: 407-462-1101

UPPER FLOOR EQUIPMENT

Abraham  
 Stroulov  
 6.6.94

DESIGN & STUDY  
 ENGINEERING, INC.  
 10000 W. 11TH AVENUE, SUITE 100  
 DENVER, COLORADO 80231  
 PHONE (303) 677-0044

RECEIVED  
 NOV 09 2007  
 CLEARWATER BEACH RECREATION TRUST



SINGLE DUCT VAV TERMINAL UNITS									
AREA	REQ	SUPPLY	REQ	REQ	REQ	REQ	REQ	REQ	REQ
TYPE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
Supply	12"	12"	12"	12"	12"	12"	12"	12"	12"
Return	12"	12"	12"	12"	12"	12"	12"	12"	12"
Supply	12"	12"	12"	12"	12"	12"	12"	12"	12"
Return	12"	12"	12"	12"	12"	12"	12"	12"	12"

**EQUIPMENT AND NOTES:**

- Design is based on VAV terminal by "Tetra" with a manual VAV.
- Supply duct shall be galvanized metal duct with 1/2" gasketed end flange.
- Return duct shall be galvanized metal duct with 1/2" gasketed end flange.
- Supply duct shall be galvanized metal duct with 1/2" gasketed end flange.
- Return duct shall be galvanized metal duct with 1/2" gasketed end flange.

AIR DISTRIBUTION DEVICES				
LINE	SIZE	SCHEMATIC	MODEL	DAMPER
A	Supply	24 x 24	LD-10	AD-7E-AA
B	Supply	18 x 18	LD-10	AD-7E-AA
C	Supply	18 x 18	LD-10	AD-7E-AA
D	Supply	18 x 18	LD-10	AD-7E-AA
E	Supply	18 x 18	LD-10	AD-7E-AA
F	Supply	18 x 18	LD-10	AD-7E-AA
G	Supply	18 x 18	LD-10	AD-7E-AA
H	Supply	18 x 18	LD-10	AD-7E-AA
I	Supply	18 x 18	LD-10	AD-7E-AA
J	Supply	18 x 18	LD-10	AD-7E-AA

**EQUIPMENT AND NOTES:**

- Design is based on "Tetra" VAV terminal with a manual VAV.
- Supply duct shall be galvanized metal duct with 1/2" gasketed end flange.
- Return duct shall be galvanized metal duct with 1/2" gasketed end flange.

EXHAUST FAN					
AREA	REQ	REQ	REQ	REQ	REQ
TYPE	SIZE	SIZE	SIZE	SIZE	SIZE
Supply	12"	12"	12"	12"	12"
Return	12"	12"	12"	12"	12"
Supply	12"	12"	12"	12"	12"
Return	12"	12"	12"	12"	12"

**EQUIPMENT AND NOTES:**

- Design is based on "Blackhawk" Fan with top back discharge.
- Motor shall be 1/2 HP, single phase, UL listed, NEMA motor.
- Minimum operation of EF-1 with AH-1, EF-2 with AH-2, EF-3 with AH-3, EF-4 with AH-4.
- Fans shall discharge from a roof mounted structure. Supply exhaust duct with a damper of penetration of the roof seal.

AIR HANDLER TAG	AH-1/2/3	AH-4	AH-5	AH-6	AH-7
Pass Area, Sq. Ft.	10,000	10,000	10,000	10,000	10,000
Total Air, CFM	4000	4000	4000	4000	4000
Outside Air, CFM	1000	1000	1000	1000	1000
Total static, Inch-Water	2.0	2.0	2.0	2.0	2.0
Motor, HP/Phase/FPS	3/3/1150	3/3/1150	3/3/1150	3/3/1150	3/3/1150
Motor Speed, RPM	1150	1150	1150	1150	1150

**ELECTRIC HEAT**

Heating Capacity, KW	None	None	None	None	None
Heating Stages	1	None	1	2	None

**CONDENSER UNIT TAG**

Type	CU-1	CU-2	CU-3	CU-4	CU-5
Entering Air Temp, DB, °F	55	55	55	55	55

**FILTERS**

Type	F1	F2	F3	F4	F5
AG-PAZ Efficiency, %	95	95	95	95	95
Capacity/Cu. Ft., In. H <sub>2</sub> O	400	400	400	400	400

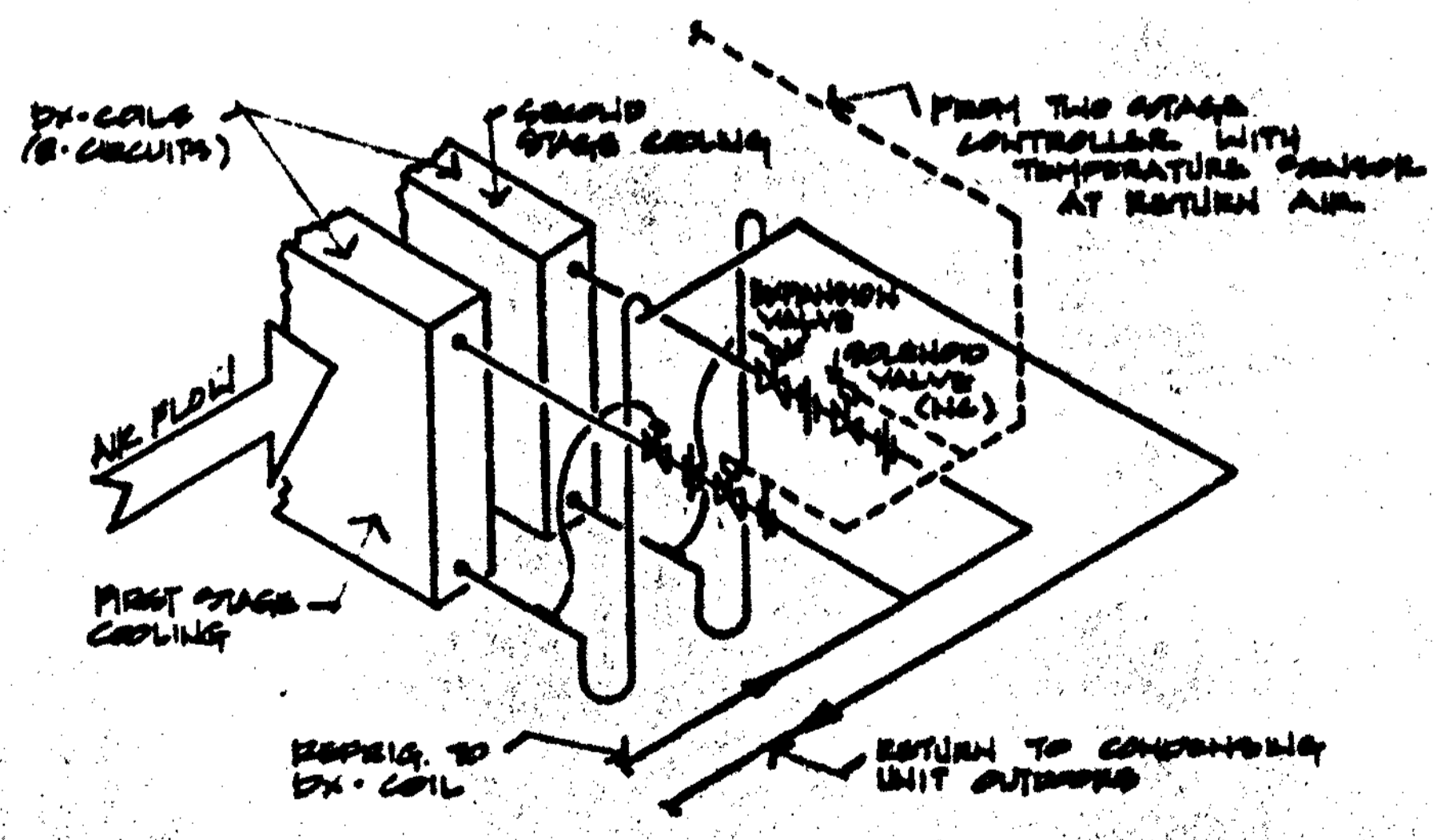
**ELECTRICAL DATA**

Electrical Service, V/Ph	208	208	208	208	208
Compressor LRA/LRA, Amps	2.0/2.0	2.0/2.0	2.0/2.0	2.0/2.0	2.0/2.0

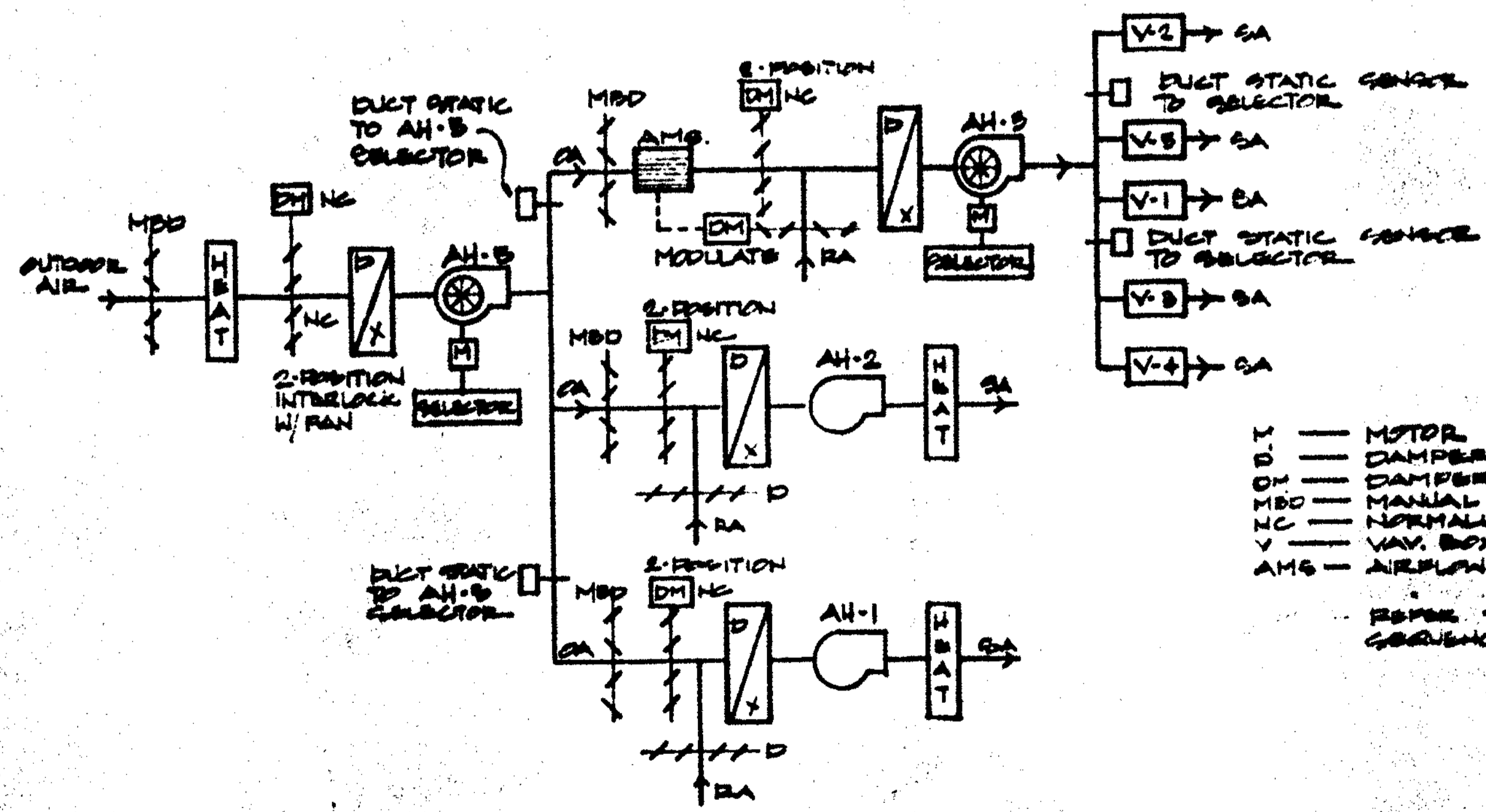
**RANGE OF DESIGN MODEL P**

Manufacturer	TRANE	TRANE	TRANE	TRANE	TRANE
Air Handler	CLCH-100	CLCH-100	CLCH-100	CLCH-100	CLCH-100
Condensing Unit	TR400A	TR400A	TR400A	TR400A	TR400A

- REMARKS AIR HANDLING UNITS**
- Provide direct expansion cooling by "Delta" on variable inlet guide vane, and outdoor air damper of mixing box.
  - Modulating actuator on outdoor damper of AH-5. Two-position actuator on other units.
  - Equipment in mechanical room shall be on spring vibration isolators.
  - AH-1, AH-2, AH-3 shall be vertical units with back discharge. AH-4 shall be vertical unit with top-back discharge. AH-5 shall be horizontal unit with top-back discharge.
  - Fan motor service size shall be as shown on drawings.
  - Two-stage DX coil, provide 2 expansion valves, 2 pressure valves, 2 low-die, moisture indicator.
  - Insulate suction length 1 inch "flexible" pipe insulation.



DX-COIL CONNECTION DETAIL



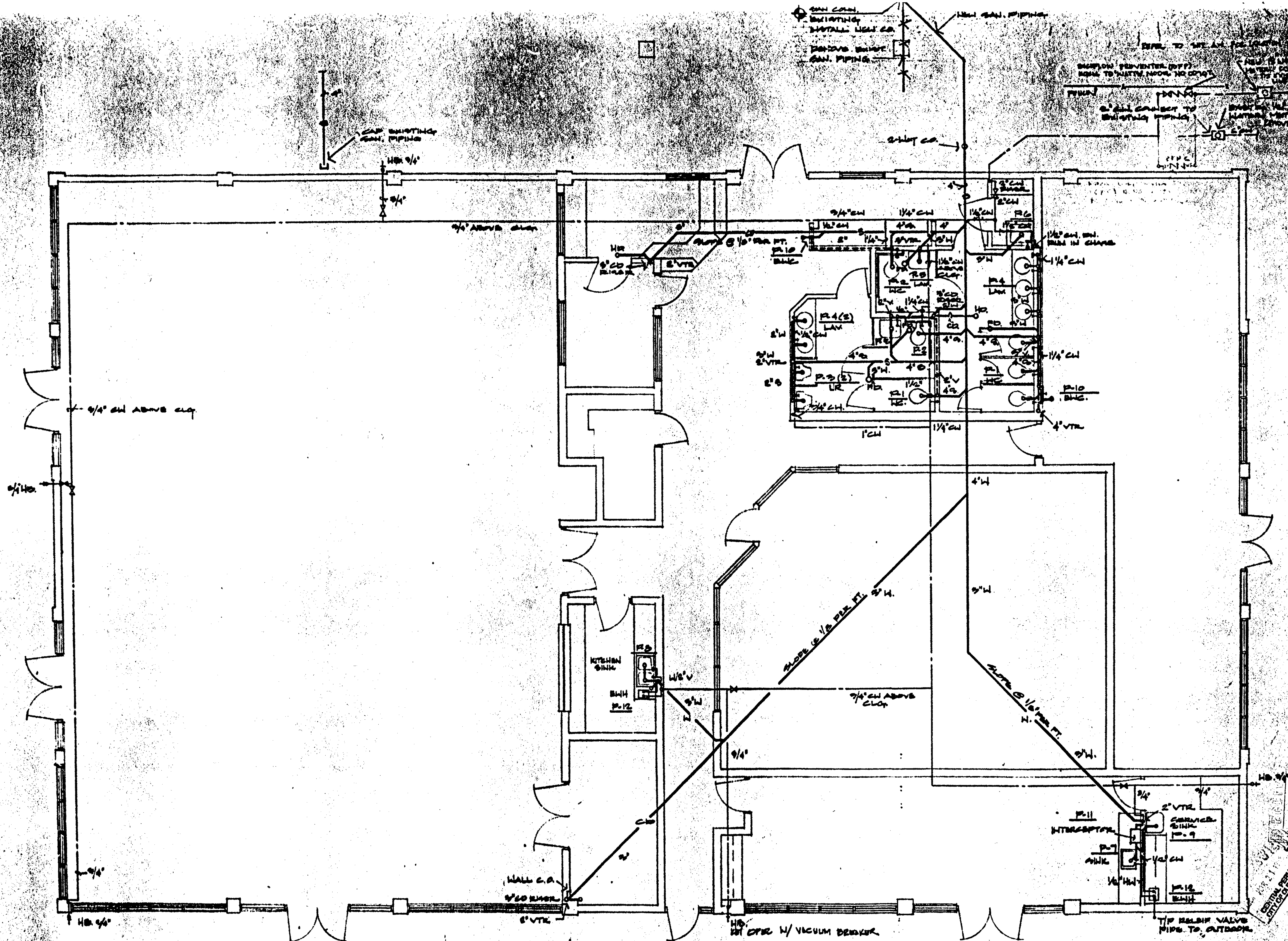
AH's CONTROL DIAGRAM

**MYERS, PLISKO OTT ARCHITECTS P.A.**  
 400 ARMY STREET  
 CHARLOTTE, NC 28202

**CLEARWATER BEACH RECREATION CENTER FOR THE CLEARWATER PARKS & RECREATION DIST.**

**NOV 9 2007**

**SCHEDULES - DETAIL**



SAN COIN  
 EXISTING  
 INSTALL NEW CO.  
 REMOVE EXIST.  
 SAN. PIPING

REFER TO SHEET FOR LOCATION  
 BACKFLOW PREVENTER (BFP)  
 EQUAL TO WATER METER NO. CO-10  
 2" ALL CONNECT TO  
 EXISTING PIPING  
 REMOVE ALL  
 EXISTING WATER  
 SERVICE  
 FROM THIS  
 AREA

2-14-10

**MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA**  
 500 BRAWLEY STREET  
 CLEARWATER, FL 34615  
 407-942-7200  
 407-942-7200

CLEARWATER BEACH  
 RESTORATION CENTER  
 FOR THE CLEARWATER BEACH & LANTANA DISTRICTS  
 1000 CLEARWATER BEACH BLVD. S.W. CLEARWATER, FL 34615  
 NOV 9 9 2007

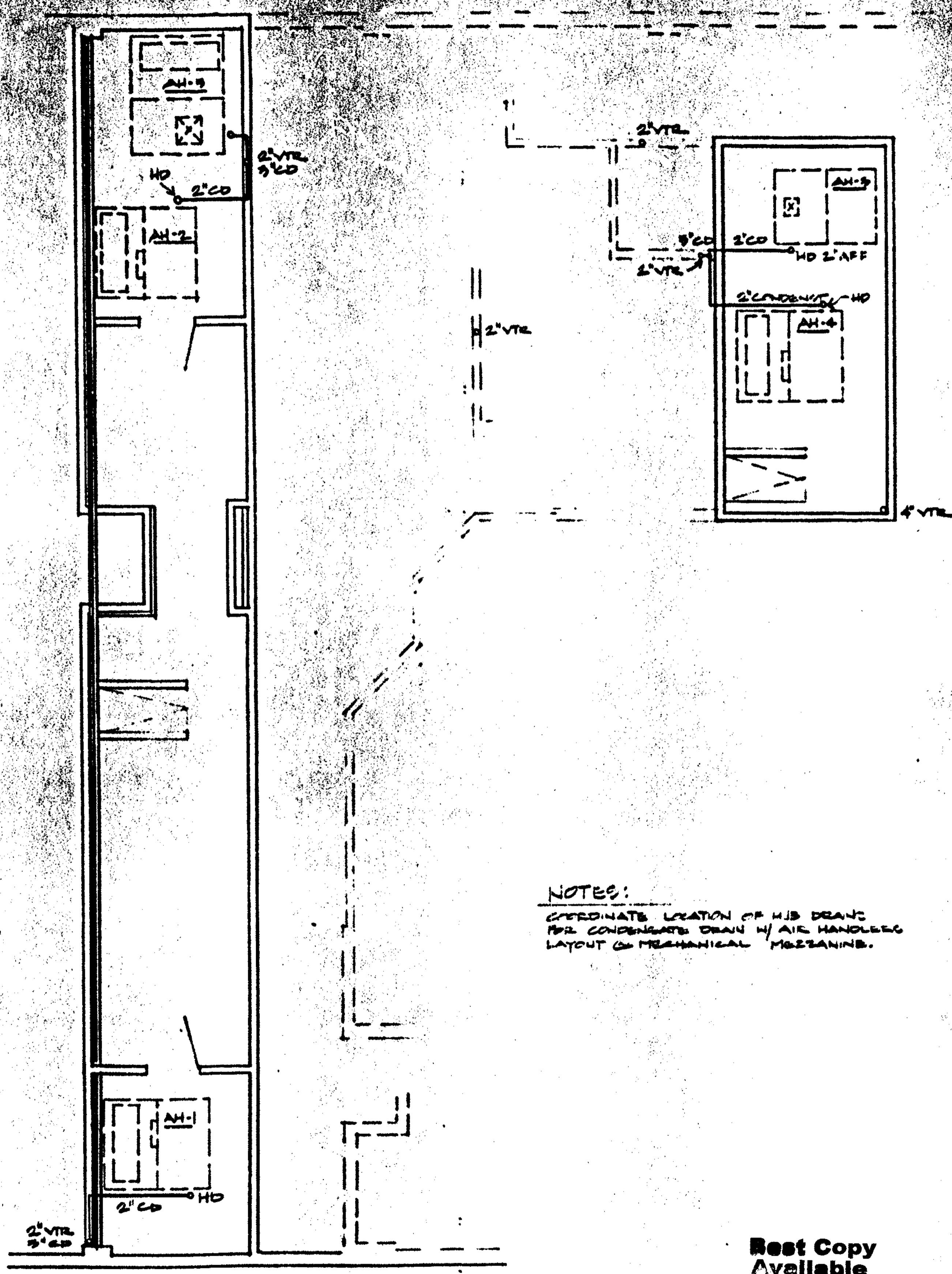
PLUMBING FLOOR PLAN

Best Copy Available

Algham  
 Strouf of  
 March 13, 94

DESIGN & STUDY  
 ENGINEERING, INC. D.S.  
 10000 N. US HWY 1  
 TAMPA, FL 33613  
 PHONE (813) 972-0044

NOV 9 9 2007  
 CENTRAL PERMITTED  
 PHOTOGRAPHER



NOTES:  
 COORDINATE LOCATION OF HIS DRAWS  
 FOR CONDENSATE DRAIN W/ AIR HANDLER  
 LAYOUT OF MECHANICAL MECHANISM.

Best Copy Available

Abraham  
 Stroullow  
 March 15 94

DESIGN & STUDY  
 ENGINEERING, INC.  
 ALL SUBMITTALS - PLANS - FEASIBILITY STUDIES  
 4215 N. UNIVERSITY AVENUE SUITE 100 - TAMPA, FLORIDA 33606  
 PHONE (813) 977-0744

UPPER FLOOR PLUMBING  
 P-2  
 P-3

ALTERATIONS TO  
 CLEARWATER BEACH  
 RECREATION CENTER  
 FOR THE CLEARWATER PARKS & RECREATION DEPT.  
 CLEARWATER BEACH, FL.



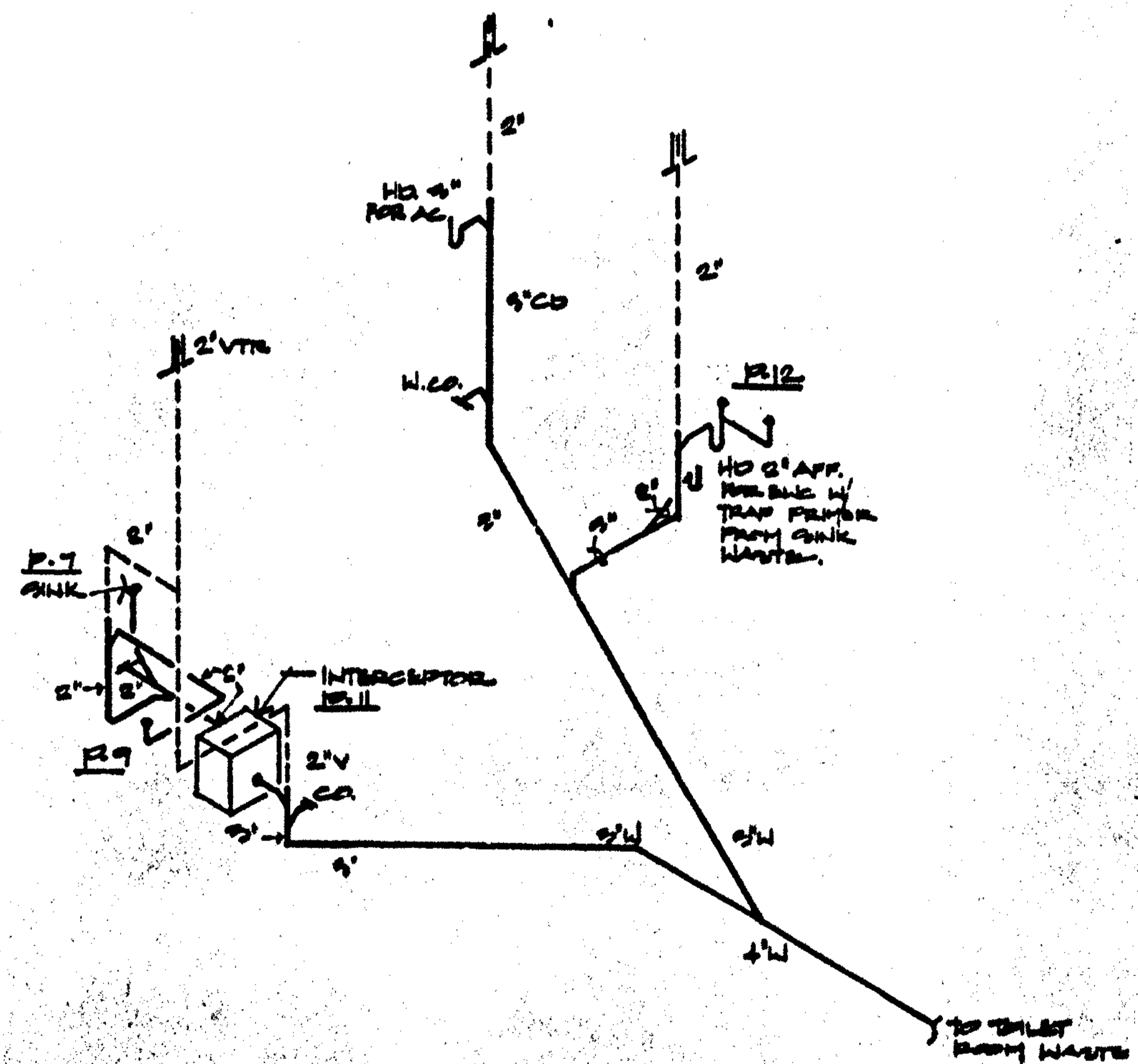
P-2

P-3

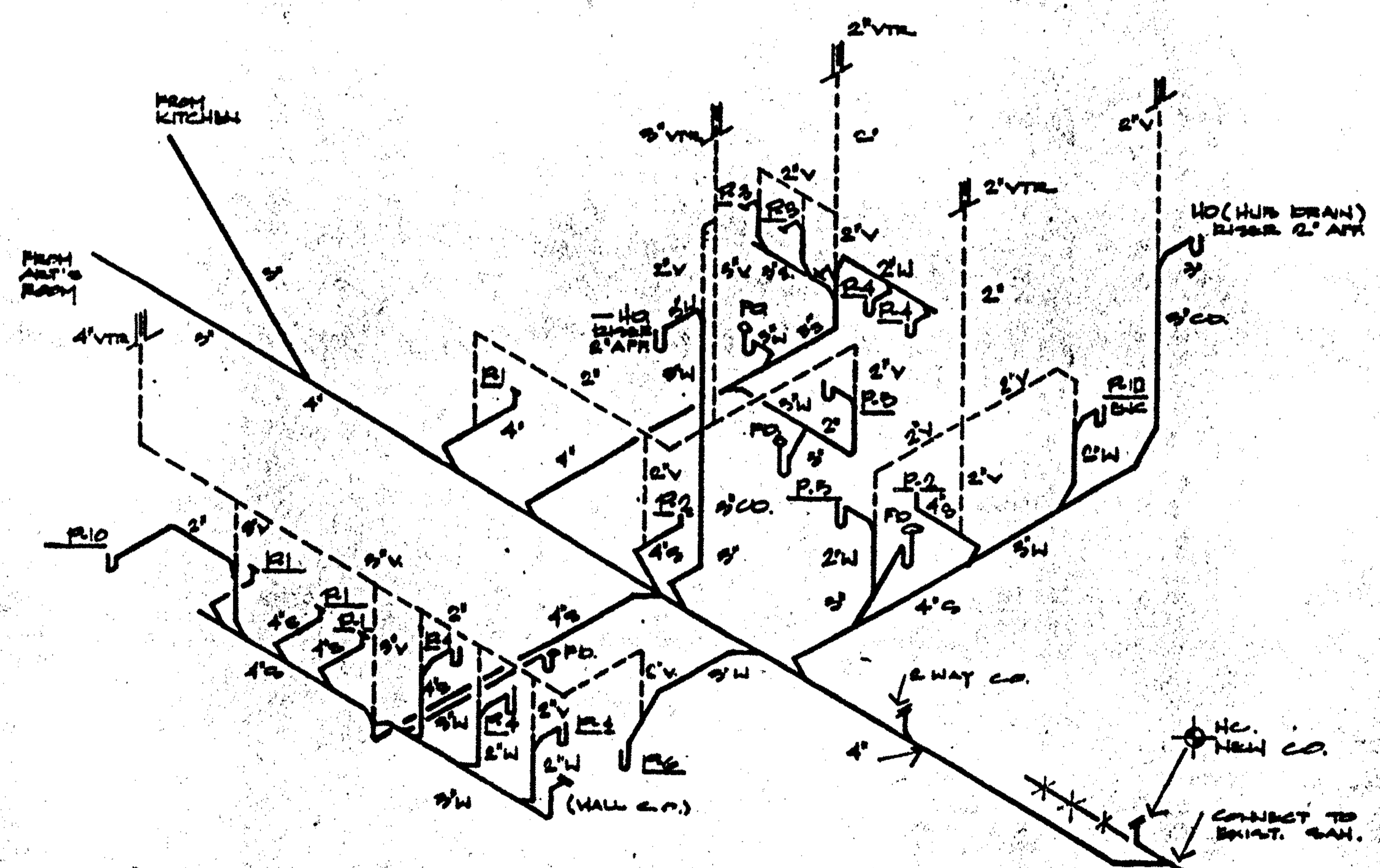
MYERS, PLISKO, OTT ARCHITECTS, P.A.  
 800 DEW STREET  
 CLEARWATER, FL 34625  
 407-944-0000  
 407-944-0000  
 407-944-0000

NOV 09 2007  
 CLEARWATER BEACH, FL

PLUMBING FIXTURE SCHEDULE				
TAG	FIXTURE	CW	RAN	NOTES
P.1	WATER CLOSET	3/4"	4'	FUSH VALVE
P.2	WATER CLOSET	3/4"	4'	HANDICAP (HC)
P.3	URNAL	3/4"	2'	WALL MOUNT
P.4	LAVATORY	1/2"	2'	COUNTERTOP
P.5	LAVATORY (HL)	1/2"	2'	FLOOR MOUNT
P.6	MOP SINK	3/4"	4'	FLOOR MOUNT
P.7	SINK	1/2"	2'	HOT WATER (HW)
P.8	KITCHEN SINK	1/2"	2'	HW TRAP RIDER
P.9	SERVICE SINK	1/2"	2'	HW COUNTERTOP
P.10	BWC	1/2"	2'	WALL MOUNT
P.11	INTERCEPTOR	-	2'	2" V. FLOOR MOUNT
P.12	WATER HEATER	1/2"	3/4'	IN CABINET 4 GAL.



KITCHEN, ARTS AND CRAFTS RISER DIAGRAM  
NTS



TOILET ROOMS RISER DIAGRAM  
HTS

MYERS, PLISKO, OTT ARCHITECTS, P.A. AIA  
 900 BREW STREET  
 CLEARWATER, PA. 15845  
 412-779-0000 412-779-0000

ALLEGHENY COUNTY  
 CLEARWATER BEACH  
 RECREATION CENTER  
 FOR THE CLEARWATER BEACH RECREATION DISTRICT  
 1000 CLEARWATER BEACH DRIVE  
 CLEARWATER, PA. 15845

NOV 08 2007  
 DEVELOPER'S SEAL  
 CITY OF CLEARWATER

Best Copy Available

Abraham Stroulov  
 March 10, 94

DESIGN & STUDY  
 ENGINEERS, INC. D.S.  
 ARCHITECTS • PLUMBERS • MECHANICAL ENGINEERS  
 2075 Howard Street, Suite 100 • Tampa, Florida 33606

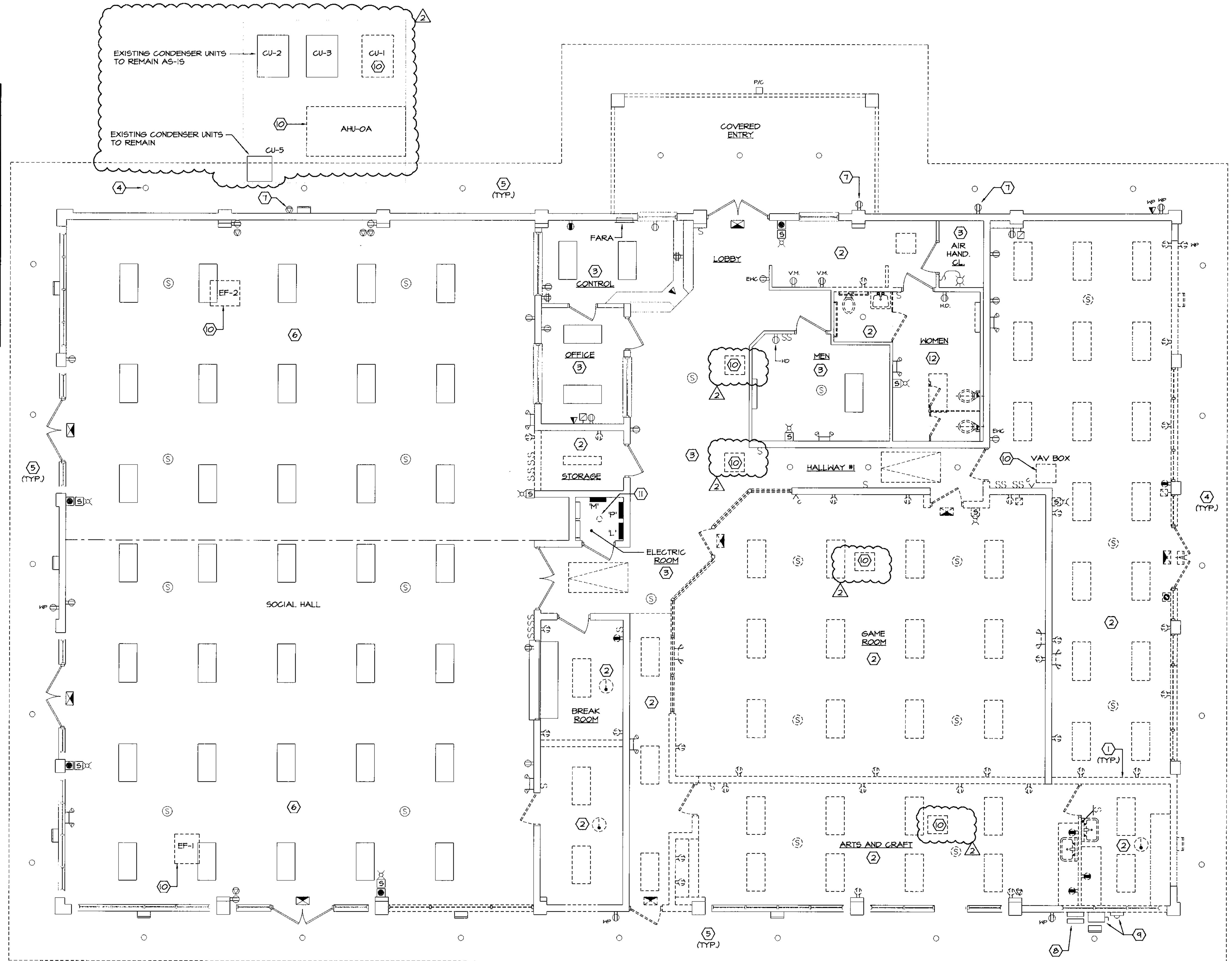
SCHEDULES & DETAILS

**DEMOLITION NOTES**

1. THIS DRAWING IS DIAGRAMMATIC AND INTENDED TO SHOW ONLY THE GENERAL SCOPE OF THE WORK TO BE DONE. CONTRACTOR SHALL REMOVE ALL SWITCHES, LIGHT FIXTURES, CONDUIT, WIRE, BOXES, ETC. WHICH ARE MADE UNNECESSARY BECAUSE OF DEMOLITION/NEW CONSTRUCTION. VERIFY LOCATIONS AND QUANTITIES OF ELECTRICAL EQUIPMENT AND WIRING AT THE SITE. CONDUIT TO BE REMOVED OR ABANDONED SHALL BE REMOVED COMPLETELY IF POSSIBLE. WHERE REMOVAL IS NOT POSSIBLE, CONDUIT SHALL BE CUT BELOW THE SURFACE AND CAPPED. ABANDONED CONDUIT SHALL BE TAGGED. ALL MATERIALS REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR.
2. EXISTING CONDUITS, WHERE APPLICABLE, MAY BE REUSED.
3. CONTRACTOR SHALL VISIT THE JOB SITE AND BE THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH THE WORK MUST BE PERFORMED.
4. ALL LIGHTING FIXTURES AND LAMPS BEING REMOVED SHALL BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER. COORDINATE DISPOSITION OF ALL FIXTURES WITH OWNER PRIOR TO REMOVAL.
5. CONTRACTOR SHALL FIELD VERIFY FOR ANY REMAINING ITEMS CURRENTLY REQUIRING ELECTRICAL SERVICE AND MAINTAIN, REPAIR TO PROPER WORKING CONDITION, OR REMOVE, AS DIRECTED BY THE OWNER.
6. CONTRACTOR SHALL CONFIRM THAT ALL LIGHTING FIXTURES DESIGNATED TO BE REUSED, ARE IN AN ACCEPTABLE AND OPERABLE CONDITION.

**KEY NOTES**

- P L A N**
- 1 DASHED LINE INDICATES EXISTING WALL, OR PORTION OF WALL TO BE REMOVED. FIELD VERIFY AND REMOVE ALL ELECTRICAL DEVICES FROM WALL BEING REMOVED. REMOVE COMPLETELY, ASSOCIATED CONDUIT AND WIRE SYSTEMS BACK TO SOURCE OR LAST REMAINING DEVICE. MAINTAIN CIRCUIT CONTINUITY TO ALL REMAINING DEVICES.
  - 2 EXISTING ELECTRICAL DEVICES IN THIS AREA, INCLUDING BUT NOT LIMITED TO RECEPTACLES, SWITCHES, LIGHT FIXTURES, FIRE ALARM, SPEAKERS, SECURITY, ETC., SHALL BE REMOVED COMPLETELY BACK TO SOURCE.
  - 3 EXISTING ELECTRICAL DEVICES IN THIS AREA TO REMAIN, INCLUDING BUT NOT LIMITED TO RECEPTACLES, SWITCHES, LIGHT FIXTURES, FIRE ALARM DEVICES, SECURITY, ETC. MODIFY, EXTEND WIRING AND MAKE ALL REQUIRED ELECTRICAL WORK TO THESE DEVICES IF AFFECTED BY NEW RENOVATION AND/OR EXPANSION.
  - 4 EXISTING WALL PACKS ON THIS SIDE OF BUILDING TO BE REMOVED, STORED, REINSTALLED, AND WIRED AS SHOWN ON SHEET E-1.2.
  - 5 EXISTING OUTDOOR LIGHTING ON THIS SIDE OF THE BUILDING TO REMAIN.
  - 6 EXISTING SOCIAL HALL ROOM LIGHTING TO REMAIN AS-IS UNDER BASE BID. SEE "ADD ALTERNATE" NOTE ON SHEET E-1.2.
  - 7 EXISTING OUTLET. PROVIDE A NEW WET WHILE-IN-USE COVER.
  - 8 EXISTING TELEPHONE AND CABLE SERVICE TO REMAIN.
  - 9 EXISTING SERVICE TO BE REMOVED. SEE SHEETS E-1.3 AND E-4.1 FOR NEW SERVICE REQUIREMENTS.
  - 10 MECHANICAL EQUIPMENT TO BE COMPLETELY REMOVED. ALL CONDUIT AND WIRING SYSTEM ASSOCIATED TO THEM SHALL BE REMOVED BACK TO THEIR SOURCE.
  - 11 EXISTING FIXTURE TO BE REMOVED. MAINTAIN CONTROLS AND TIE TO NEW FIXTURE SHOWN ON SHEET E-1.2.
  - 12 EXISTING LIGHT FIXTURES IN THIS AREA TO BE REMOVED AND REPLACED WITH NEW. SEE SHEET E1.2.



**FOWLER ASSOCIATES ARCHITECTS, INC.**  
 1421 COUNTY AVENUE, CLEARWATER, FLORIDA 34625  
 (727) 446-2021 FAX (727) 447-5899  
 COUNTY OF CLEARWATER, FLORIDA  
 CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AAC000665

BY	REVISION	NO	DATE
	1		08-26-08
	2		
DESCRIPTION	HVAC CHANGES		
DRAWN	C.V.		
DATE	7 Nov 07		

**DEMOLITION PLAN AND NOTES**  
 Clearwater Beach Library & Recreation Center Consolidation  
 69 BAY ESPLANADE  
 BCP2007-11174B  
 CLEARWATER BEACH LIBRARY & REC. CENTER  
 at 69# 258A  
 Zoning OSR

**DEMOLITION FLOOR PLAN**  
 SCALE: 3/16" = 1'-0"

Reviewed For Code Compliance  
 CITY OF CLEARWATER  
 BLDG INSPECTION DIV.  
 BY DATE  
 4-4-08

**CHEHAYEB & ASSOCIATES, INC.**  
 CONSULTING PROFESSIONAL ENGINEERS  
 3702 AZEEL ST. TAMPA, FL 33609 (813) 976-1415 (813) 976-0913  
 LIC. #49521 SOHMER CHEHAYEB 07-1897 CERT. #7340  
 3-26-08

PROJECT NO.	07-214
SHEET NO.	E-1.1

DRAWN BY: S. FLOWER, DATE: 11-07-07, SHEET: E-1.1

**NOTES**

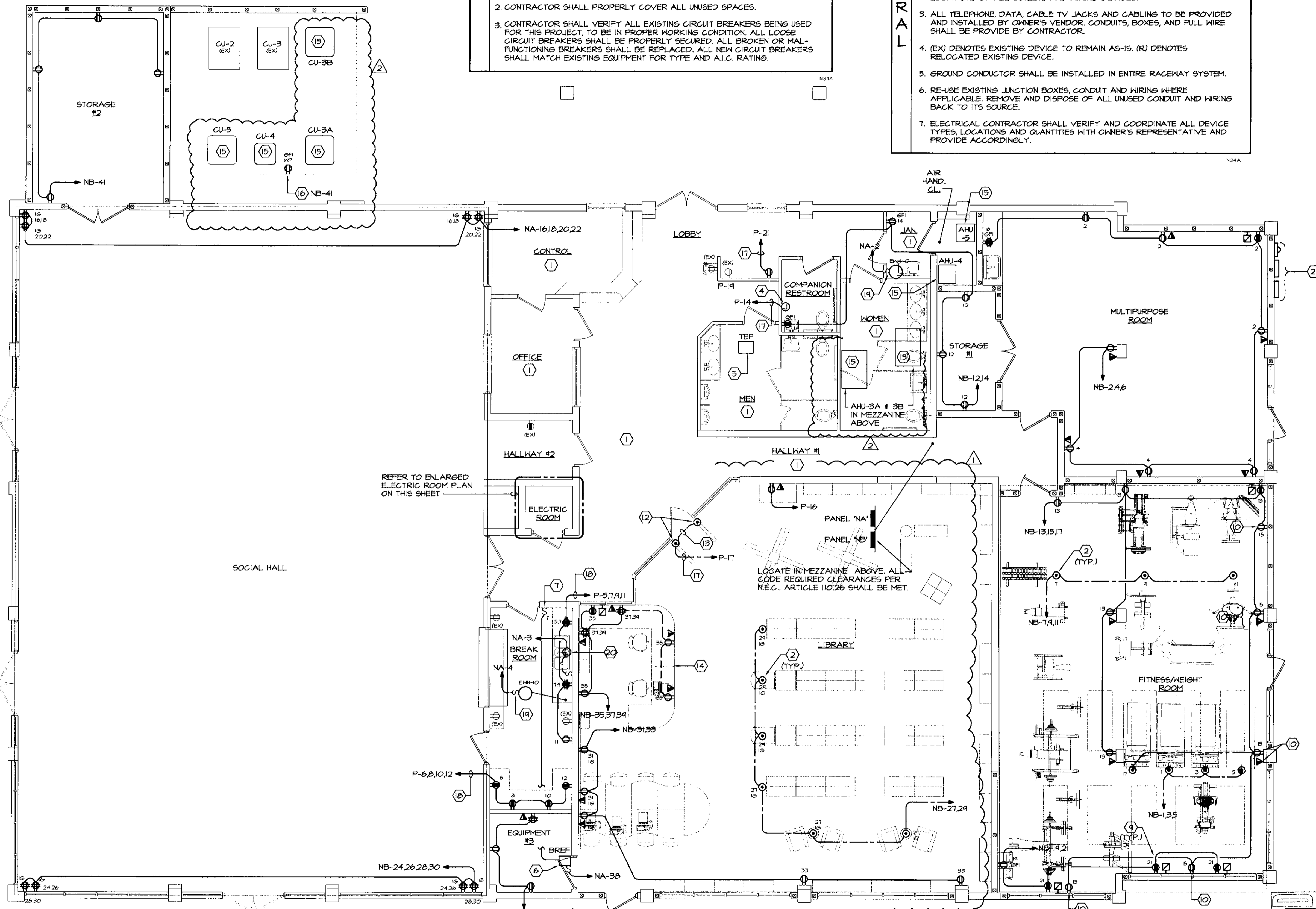
1. NO ELECTRICAL WORK IS BEING DONE IN THIS ROOM/AREA, UNLESS OTHERWISE NOTED.
2. POWER FLOOR BOX EQUAL TO HUBBELL CAT. #PFBI (BOX), #PFBA (ADAPTER), AND #F34253A (COVER). PROVIDE 20A DUPLEX OUTLET.
3. NOT USED.
4. JUNCTION BOX FOR NEW HAND DRYER. MAKE ALL FINAL TERMINATIONS AS REQUIRED.
5. NEW FAN TO REPLACE EXISTING AT THE SAME LOCATION. TIE TO EXISTING CIRCUIT AND CONTROL.
6. NEW BREAKROOM EXHAUST FAN. COORDINATE EXACT LOCATION WITH MECHANICAL SUBCONTRACTOR. MAKE FINAL TERMINATIONS ACCORDINGLY.
7. ONE-HOUR TIMER WITH OUT HOLD. EQUAL TO INTEMATIC CAT. #FD60M. (COLOR SHALL MATCH EXISTING BUILDING STANDARD DEVICE COLORS).
8. NOT USED.
9. T.V. CABLE AND POWER BOXES TO BE MOUNTED ABOVE. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
10. OUTLET BOXES ALONG THIS WALL SHALL BE MOUNTED 1/4" OUT OF WALL AS REQUESTED BY OWNER. REVERIFY EXACT DISTANCE AND SPACIFIC REQUIREMENTS PRIOR TO ROUGH-IN.
11. NOT USED.
12. POWER FLOOR BOX EQUAL TO HUBBELL #PFBI SERIES, FOR ARTICLE SURVEILLANCE SECURITY SYSTEM (EAS). COORDINATE WITH SYSTEM VENDOR FOR REQUIRED POWER ACTIVATION PLATES ETC., AND PROVIDE ACCORDINGLY.
13. (2) 3/4" CONDUIT WITH PULLWIRE AS REQUIRED BY (EAS) SYSTEM VENDOR.
14. COORDINATE DEVICE LOCATION AND CONDUIT ROUTING WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.
15. SEE MECHANICAL WIRING DETAIL ON SHEET E-4.1.
16. VERIFY THAT A RECEPTACLE EXISTS AT THE AVG PLATFORM. IF NOT, PROVIDE NEW AND TIE TO INDICATED CIRCUIT.
17. REUSE EXISTING CIRCUIT CURRENTLY SERVING THIS AREA. FIELD VERIFY EXISTENCE AND PROVIDE NEW WIRING BACK TO DESIGNATED PANEL.
18. REUSE CIRCUITS SHOWN FOR NEW BREAKROOM. FIELD VERIFY AND PROVIDE NEW CIRCUIT BREAKERS IF REQUIRED. PROVIDE 6 #12, 1 #12 E.G. IN 3/4" CONDUIT BACK TO DESIGNATED PANEL.
19. ELECTRIC WATER HEATER. VERIFY EXACT LOCATION WITH PLUMBING CONTRACTOR. PROVIDE 1-POLE SWITCH NEXT TO WATER HEATER AND MAKE FINAL TERMINATIONS AS REQUIRED.
20. GARBAGE DISPOSAL. PROVIDE A J-BOX BELOW SINK AND A SWITCH ABOVE SINK FOR CONTROL. MAKE FINAL TERMINATION AS REQUIRED.
21. NEW SERVICE PROPOSED LOCATION INCLUDING METER, WIREWAY AND ENCLOSED CIRCUIT BREAKERS.

**EXISTING PANELS SPECIAL NOTES**

1. CIRCUITING SHOWN ON THE PLANS IS BASED ON INFORMATION GIVEN TO THE ENGINEER AT TIME OF DESIGN AND A GENERAL FIELD SURVEY. CONTRACTOR SHALL FIELD VERIFY ACTUAL AVAILABLE CIRCUITS, PRIOR TO START OF CONSTRUCTION, AND ADJUST ACCORDINGLY. UPON COMPLETION OF WORK, CORRECT ALL PANELBOARD CIRCUIT DIRECTORY CARDS TO REFLECT AS-BUILT CONDITIONS.
2. CONTRACTOR SHALL PROPERLY COVER ALL UNUSED SPACES.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT BREAKERS BEING USED FOR THIS PROJECT, TO BE IN PROPER WORKING CONDITION. ALL LOOSE CIRCUIT BREAKERS SHALL BE PROPERLY SECURED. ALL BROKEN OR MALFUNCTIONING BREAKERS SHALL BE REPLACED. ALL NEW CIRCUIT BREAKERS SHALL MATCH EXISTING EQUIPMENT FOR TYPE AND A.I.C. RATING.

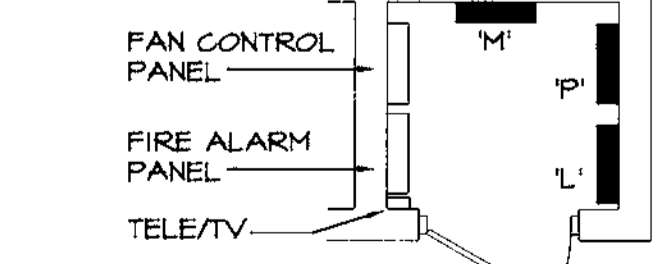
**NOTES**

1. THE CONTRACTOR SHALL REMOVE ALL EXISTING WIRING AND EQUIPMENT MADE UNNECESSARY BY THE RENOVATION. ALL MATERIALS REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR.
2. CONTRACTOR SHALL COORDINATE WITH INTERIOR ARCHITECTURAL ELEVATION DRAWINGS FOR COORDINATION OF EXACT MOUNTING HEIGHTS AND/OR LOCATIONS OF ALL OUTLETS AND WIRING DEVICES.
3. ALL TELEPHONE, DATA, CABLE TV JACKS AND CABLING TO BE PROVIDED AND INSTALLED BY OWNER'S VENDOR. CONDUITS, BOXES, AND PULL WIRE SHALL BE PROVIDED BY CONTRACTOR.
4. (EX) DENOTES EXISTING DEVICE TO REMAIN AS-IS. (R) DENOTES RELOCATED EXISTING DEVICE.
5. GROUND CONDUCTOR SHALL BE INSTALLED IN ENTIRE RACEWAY SYSTEM.
6. RE-USE EXISTING JUNCTION BOXES, CONDUIT AND WIRING WHERE APPLICABLE. REMOVE AND DISPOSE OF ALL UNUSED CONDUIT AND WIRING BACK TO ITS SOURCE.
7. ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE ALL DEVICE TYPES, LOCATIONS AND QUANTITIES WITH OWNER'S REPRESENTATIVE AND PROVIDE ACCORDINGLY.



REFER TO ENLARGED ELECTRIC ROOM PLAN ON THIS SHEET

LOCATE IN MEZZANINE ABOVE. ALL CODE REQUIRED CLEARANCES PER N.E.C., ARTICLE 110.26 SHALL BE MET.



**ENLARGED ELECTRIC RM. ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

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

**CHEHAYEB & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZBEELE ST. TAMPA, FL 33609  
(813) 876-1415 (fax) 876-0913  
LIC #49521 SOUTH FLORIDA CERT #7340

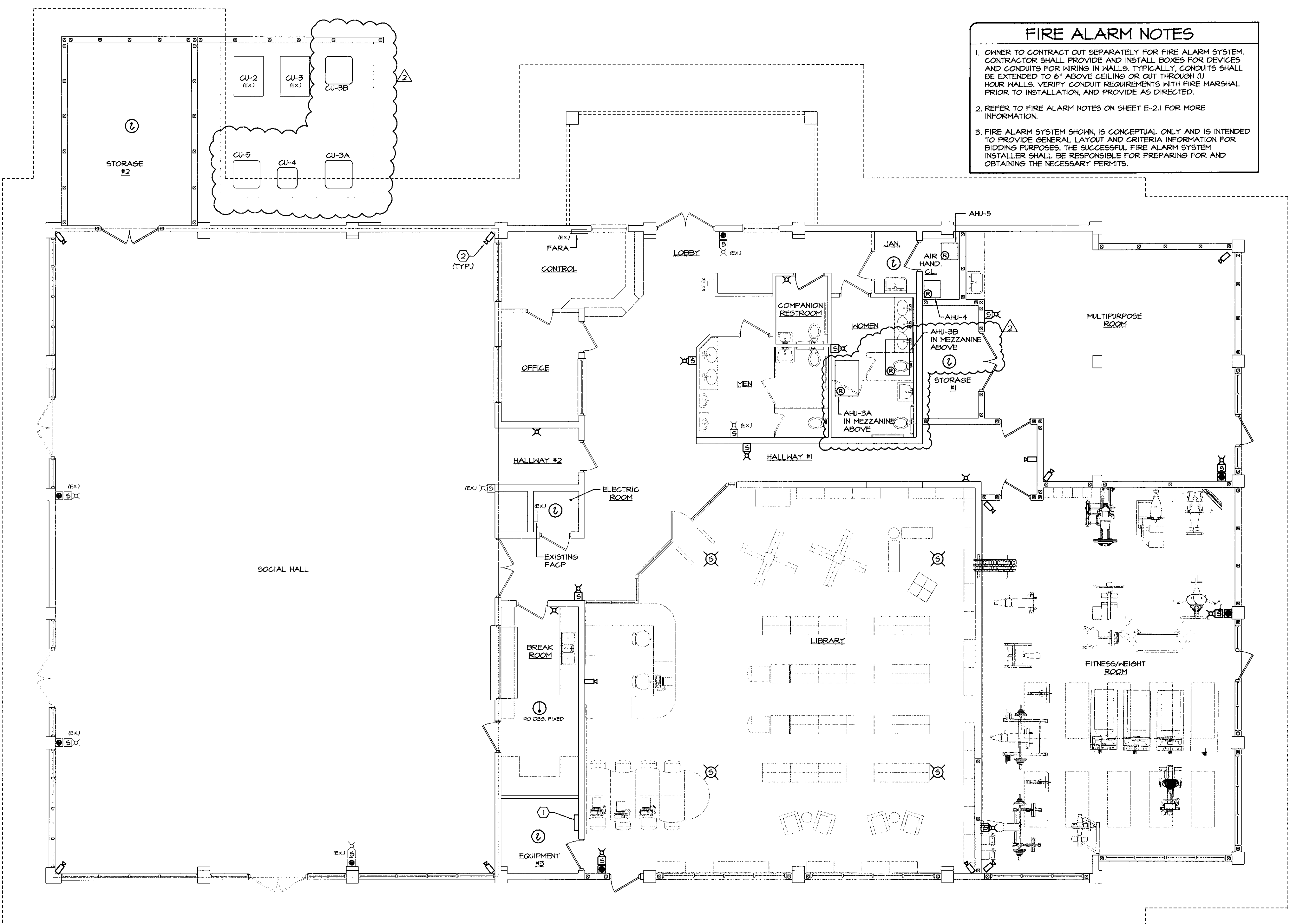
**FOWLER ASSOCIATES ARCHITECTS, INC.**  
1421 COURT STREET CLEARWATER, FLORIDA 33766  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER AR-0005441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER AC0001865

REVISION NO. 1  
DATE 12-26-07  
DRAWN BY C.V.  
DATE 7 Nov 07

PROJECT NO. 07-214  
SHEET NO. E-1.3

RECEIVED  
APR 04 2008  
PLANNING & DEVELOPMENT DEPARTMENT  
CITY OF CLEARWATER

F:\WORK\11-07-07\11-07-07.dwg, 3/27/08, 11:55:38 AM, 11:55:38 AM



**FIRE ALARM NOTES**

- OWNER TO CONTRACT OUT SEPARATELY FOR FIRE ALARM SYSTEM. CONTRACTOR SHALL PROVIDE AND INSTALL BOXES FOR DEVICES AND CONDUITS FOR WIRING IN WALLS. TYPICALLY, CONDUITS SHALL BE EXTENDED TO 6" ABOVE CEILING OR OUT THROUGH (U) HOUR WALLS. VERIFY CONDUIT REQUIREMENTS WITH FIRE MARSHAL PRIOR TO INSTALLATION, AND PROVIDE AS DIRECTED.
- REFER TO FIRE ALARM NOTES ON SHEET E-2.1 FOR MORE INFORMATION.
- FIRE ALARM SYSTEM SHOWN IS CONCEPTUAL ONLY AND IS INTENDED TO PROVIDE GENERAL LAYOUT AND CRITERIA INFORMATION FOR BIDDING PURPOSES. THE SUCCESSFUL FIRE ALARM SYSTEM INSTALLER SHALL BE RESPONSIBLE FOR PREPARING FOR AND OBTAINING THE NECESSARY PERMITS.

**ALARM SYSTEM NOTES**

- VERIFY EXISTING SYSTEM FOR SIGNAL CIRCUITS, BATTERIES, AMPLIFIER CAPACITY, EXPANSION LIMITS, ETC. AND NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY REQUIRED MODIFICATIONS TO THE FIRE ALARM PANEL SERVING THIS PROJECT.
- THE EXISTING FIRE ALARM SYSTEM SHALL BE TESTED AND RE-CERTIFIED AFTER THE NEW WORK IS COMPLETED.
- COORDINATE WITH THE LOCAL FIRE MARSHAL'S OFFICE FOR ALL DEVICE LOCATIONS AND PROVIDE ANY ADDITIONAL DEVICES REQUIRED.
- PROVIDE SHUT-DOWN RELAYS AND CONNECTION TO FIRE ALARM SYSTEM FOR ALL NEW HVAC UNITS. VERIFY AND COORDINATE WITH MECHANICAL CONTRACTOR FOR QUANTITY AND LOCATIONS.

**GENERAL NOTES (TYPICAL OF ALL SYSTEMS SHOWN)**

- CONTRACTOR SHALL PROVIDE THE FOLLOWING INCLUDING BUT NOT LIMITED TO CONDUITS, BOXES, EQUIPMENT, WIRE, ETC. AS REQUIRED BY THE PARTICULAR SYSTEM SUPPLIER, FOR A COMPLETE AND OPERATIONAL SYSTEM.
- ALL SURGE PROTECTORS SHALL BE UL LISTED FOR APPLICATION AND RECOMMENDED BY SYSTEM MANUFACTURER AND RATED FOR HIGH EXPOSURE ENVIRONMENT.
- SYSTEM SUPPLIER SHALL ALLOW A MINIMUM OF (2) 4 HOUR TRAINING SESSIONS ON EACH SYSTEM TO FACILITY STAFF, AND PROVIDE A ONE PAGE OPERATIONAL INSTRUCTION FOR EACH SYSTEM. ALSO EACH SESSION SHALL BE VIDEO TAPED AND TWO COPIES GIVEN TO OWNER FOR FUTURE REFERENCE.
- MINIMUM CONDUIT SIZE FOR FIRE ALARM AND SECURITY SYSTEMS IS 3/4".

**NOTES**

- NEW POWER SUPPLY AND DISTRIBUTED VOICE AS REQUIRED.
- SECURITY CAMERA LOCATION TO BE PROVIDED BY OWNER. CONTRACTOR SHALL COORDINATE WITH OWNERS VENDOR AND PROVIDE REQUIRED CONDUITS, BOXES AND PULLWIRE ACCORDINGLY.

**LOW VOLTAGE WIRING**  
WHERE LOW VOLTAGE WIRING IS PERMITTED BY THESE DRAWINGS AND APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION TO BE FREE-WIRED, THESE WIRES SHALL BE PLENUM RATED, AND UL LISTED FOR THE APPLICATION.

**FIRE ALARM PLAN**  
SCALE: 3/16" = 1'-0"

**CHEHAYEB & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZEELE ST. TAMPA, FL 33609 (813) 876-1415 (fax) 876-0913  
LIC. #49521 SOUTH FLORIDA CERT. #7340

**FIRE ALARM PLAN AND NOTES**

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
1421 COURT STREET CLEARWATER, FLORIDA 34625 (727) 449-2021 FAX (727) 447-5339  
STATE OF FLORIDA ARCHITECTURAL LICENSE NUMBER: AR-0005441  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: AC001665

DATE	NO.	REVISION
08-26-08	2	HVAC CHANGES

BY: C.V.  
DATE: 7 Nov 07

PROJECT NO: 07-214  
SHEET NO: E-1.4

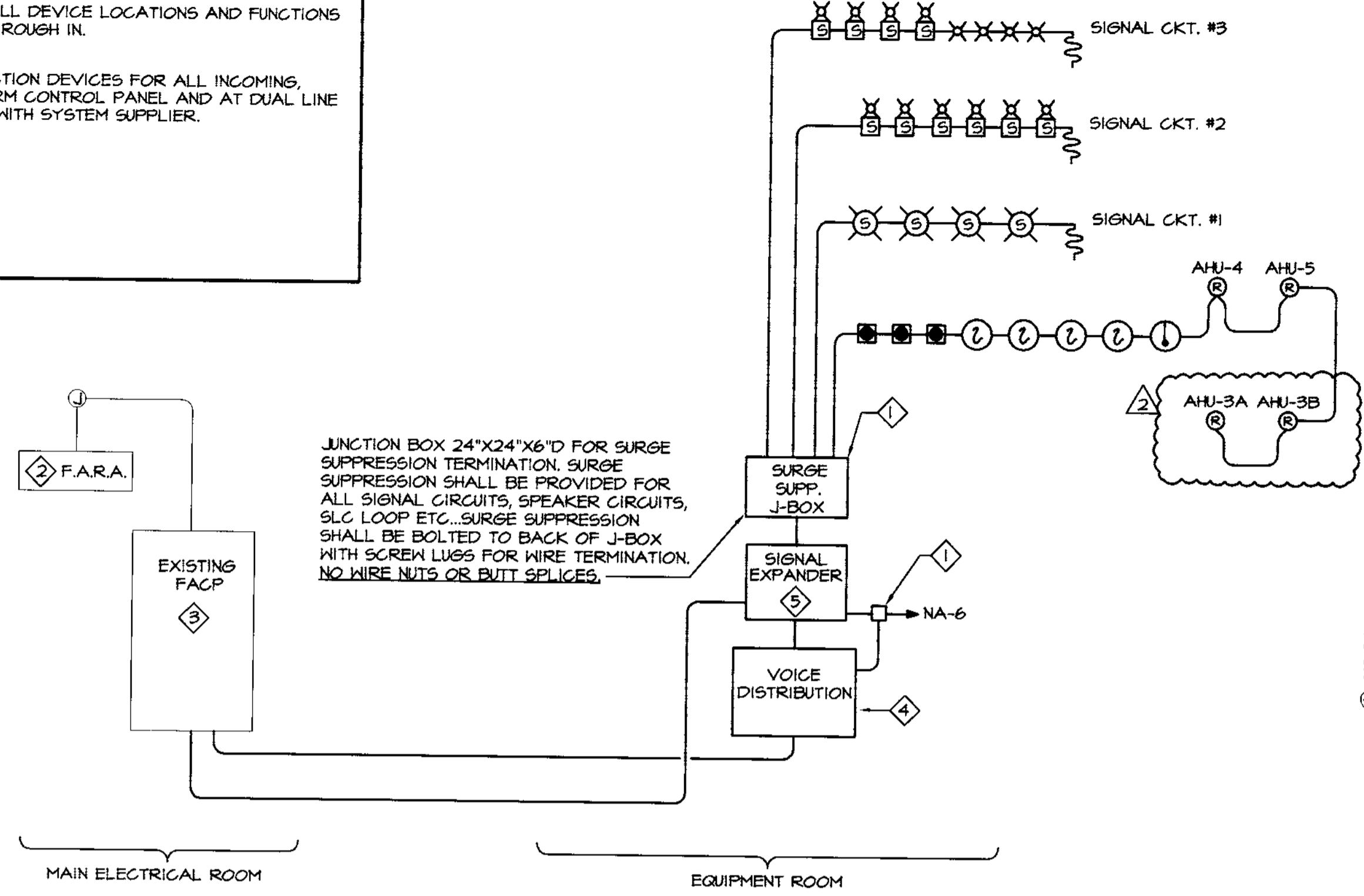
RECEIVED  
APR 04 2008  
PLANNING & DEVELOPMENT DEPARTMENT  
CITY OF CLEARWATER

- FIRE ALARM SYSTEM NOTES:**
1. FIRE ALARM SYSTEM SHALL BE INSTALLED BY LICENSED FIRE ALARM CONTRACTOR IN STRICT ACCORDANCE WITH NFPA-72 AS A MINIMUM.
  2. ANY DRAWINGS RESUBMITTED SHALL CLEARLY INDICATE REVISIONS BY CLOUDING AND DATING THE CHANGED AREA.
  3. AT THE TIME OF THE SYSTEM ACCEPTANCE TEST, THE FIRE ALARM CONTRACTOR'S TECH SHALL BE PREPARED TO CONDUCT THE TEST WITH A SOUND PRESSURE METER TO ENSURE PROPER SOUND PRESSURE LEVELS.
  4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH THE FOLLOWING INFORMATION AS A MINIMUM:
    - A. PROVIDE SEQUENCE OF OPERATION (A WRITTEN DESCRIPTION OR MATRIX CHART) TO DEFINE THE EVENTS THAT OCCUR WHEN VARIOUS INITIATING DEVICES ARE ACTIVATED.
    - B. DUCT MOUNTED SMOKE DETECTORS, WHERE APPLICABLE, SHALL UPON SENSING SMOKE SHUT DOWN THE ENTIRE HVAC EQUIPMENT VIA RELAYS SHOWN.
    - C. PROVIDE FIRE ALARM RISER SIMILAR TO THE ONE SHOWN ON THE CONSTRUCTION DOCUMENT.
    - D. ALL SUBMITTALS SHALL INDICATE COMPLIANCE WITH:
      - FLORIDA FIRE PREVENTION CODE 2004 EDITION,
      - NFPA - 72 2005 EDITION,
      - NFPA - 13 1999 EDITION,
      - NFPA - 101 2003 EDITION,
      - NFPA - 70 (NATIONAL ELECTRIC CODE) 2002 EDITION,
      - ADA - AMERICANS WITH DISABILITIES ACT,
      - ALL STATE AND LOCAL CODES AND ORDINANCES.
    - E. SUBMITTED DRAWINGS SHALL IDENTIFY CANDELA ON STROBE LIGHTS ON THE DRAWINGS.
    - F. SHOW ALARM CONNECTION TO THE SPRINKLER SYSTEM DEVICES.
    - G. PROVIDE SIGNED AND DATED CONTRACT FOR TEST AND INSPECTION IN ACCORDANCE WITH NFPA STANDARDS ALONG WITH THE RECORD OF COMPLETION AS PER NFPA 72 1-6.2.1 AT TIME OF SYSTEM ACCEPTANCE.
    - H. PROVIDE DETAILS ON THE DRAWINGS SHOWING THE WIRING TYPE BASED ON NFPA TO ARTICLE 760 AND CUT SHEET OF THE WIRING PROPOSED.
    - J. SHOW LOCATION OF ALL POWER EXPANDER PANELS AND SHOW SMOKE DETECTOR ABOVE EACH PANEL.
    - K. PROVIDE A CUT SHEET OF ALL LOW VOLTAGE SURGE SUPPRESSION PROPOSED FOR WIRING SHOWN.
    - L. PROVIDE BATTERY CALCULATION SUPPORTING COMPLIANCE WITH MINIMUM CODE OR AS REQUIRED BY THESE DOCUMENTS, WHICHEVER IS MORE STRINGENT.
    - M. PROVIDE VOLTAGE DROP CALCULATION FOR THE PROPOSED WIRE SIZING, TYPE AND ROUTING.
    - N. PROVIDE RECORD DRAWINGS SHOWING ACTUAL CONDUIT AND WIRING INSTALLATION AND ANY DEVIATION FROM THE PROPOSED ONE.
    - O. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER WITH AN ACTIVE FLORIDA LICENSE.

- FIRE ALARM NOTES**
1. OWNER TO CONTRACT OUT SEPARATELY FOR FIRE ALARM SYSTEM. CONTRACTOR SHALL PROVIDE AND INSTALL BOXES FOR DEVICES AND CONDUITS FOR WIRING IN WALLS. TYPICALLY, CONDUITS SHALL BE EXTENDED TO 6" ABOVE CEILING OR OUT THROUGH (1) HOUR WALLS. VERIFY CONDUIT REQUIREMENTS WITH FIRE MARSHAL PRIOR TO INSTALLATION, AND PROVIDE AS DIRECTED.
  2. REFER TO FIRE ALARM NOTES ON SHEET E-2.1 FOR MORE INFORMATION.
  3. FIRE ALARM SYSTEM SHOWN, IS CONCEPTUAL ONLY AND IS INTENDED TO PROVIDE GENERAL LAYOUT AND CRITERIA INFORMATION FOR BIDDING PURPOSES. THE SUCCESSFUL FIRE ALARM SYSTEM INSTALLER SHALL BE RESPONSIBLE FOR PREPARING FOR AND OBTAINING THE NECESSARY PERMITS.

- FIRE ALARM NOTES**
1. SEE SPECIFICATIONS FOR EQUIPMENT SPECIFICATION AND SYSTEM FUNCTIONS.
  2. SEE DRAWINGS FOR DEVICE QUANTITY.
  3. PROVIDE SURGE SUPPRESSION ON ALL SIGNAL AND/OR DATA CIRCUITS.
  4. PROVIDE 120V SURGE SUPPRESSION, TYPE AS RECOMMENDED BY SYSTEM MANUFACTURER.
  5. PROVIDE LOW VOLTAGE SURGE SUPPRESSION, TYPE AS RECOMMENDED BY SYSTEM MANUFACTURER.
  6. PROVIDE (2) SPARE SIGNAL CIRCUITS MINIMUM. PROVIDE REQUIRED BATTERY CAPACITY.
  7. CONTRACTOR SHALL VERIFY ALL DEVICE LOCATIONS AND FUNCTIONS WITH FIRE MARSHAL PRIOR TO ROUGH IN.
  8. PROVIDE EDCO SURGE PROTECTION DEVICES FOR ALL INCOMING, OUTGOING LINES. AT FIRE ALARM CONTROL PANEL AND AT DUAL LINE DIGITAL DIALER COORDINATE WITH SYSTEM SUPPLIER.

- SYSTEM REQUIREMENTS**
1. THE FIRE ALARM SYSTEM MAIN PANEL IS EXISTING.
  2. VERIFY LOCATION OF ALL DEVICES AND EQUIPMENT WITH FIRE MARSHAL'S OFFICE AND OWNER'S PROJECT REPRESENTATIVE PRIOR TO ROUGH-IN.
  3. TROUBLE AND ALARM INITIATIONS TO TRANSMIT SEPARATE AND DISTINCT SIGNALS TO MONITORING STATION.
  4. INCOMING 'FIRE' ALARM INITIATIONS SHALL OVERRIDE 'TROUBLE' INITIATIONS.
  5. SEPARATE 'TROUBLE' AND 'ALARM' SIGNALS SHALL BE ANNUNCIATED AT CONTROL PANEL AND ANNUNCIATOR PANEL.
  6. SUBMIT SHOP DRAWINGS TO FIRE MARSHAL AND ENGINEER FOR APPROVAL PRIOR TO ROUGH-IN.
  7. ANNUNCIATOR PANEL SHALL DUPLICATE REPORTING OF FIRE ALARM CONTROL PANEL. ANNUNCIATOR SHALL INCLUDE SILENCE AND RESET KEY SWITCHES.
  8. COORDINATE WITH SYSTEM VENDOR FOR ADDITIONAL REQUIREMENTS AND PROVIDE ALL LINE VOLTAGE NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
  9. WHERE APPLICABLE, INSTALLATION OF DUCT SMOKE DETECTORS SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR.
  10. ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION BOXES, CONDUITS WITH PULL WIRES AS REQUIRED BY OWNER'S SYSTEM VENDOR.
  11. WHERE APPLICABLE, SIGNAL FROM ANY DUCT MOUNTED SMOKE DETECTOR SHALL SHUTDOWN ALL HVAC UNITS.
  12. FIRE ALARM SUBCONTRACTOR SHALL PROVIDE ALL CABLING, PER SYSTEM MANUFACTURER'S SPECIFICATIONS FOR CONTROL OPTIONS AS OUTLINED IN ELECTRICAL SPECIFICATIONS.
  13. ALL CABLING SHALL BE RUN IN CONDUIT SYSTEM THROUGHOUT, EXCEPT WHERE SPECIFICALLY NOTED ON DRAWINGS AND APPROVED BY FIRE MARSHAL AND OWNER FOR USE OF FREE CABLE. IF PERMISSION IS GRANTED IN WRITING, THEN SEE NOTES NO. 20, AND NO. 21 BELOW.
  14. PROVIDE SEPARATE 1/0 CONTROL CIRCUITS FOR HVAC SHUT-DOWN. FIRE ALARM SYSTEM SHALL HAVE TEST OVERRIDE CAPABILITIES FOR THESE CIRCUITS.
  15. RELAYS FOR SECURITY DOOR LOCKS (IF APPLICABLE) SHALL BE CONFIGURED SO THAT LOCKS WILL DE-ENERGIZE UPON ACTIVATION OF THE FIRE ALARM SYSTEM OR UPON LOSS OF NORMAL UTILITY POWER.
  16. SYSTEM ALARM INDICATION SHALL COMPLY WITH TEMPORAL CODE REQUIREMENTS.
  17. BATTERY CALCULATION SHALL BE BASED ON 24 HOURS OF STANDBY PLUS FIFTEEN (15) MINUTES OF ALARM AT THE END OF THE PERIOD.
  18. PROVIDE SYNC MODULES FOR ALL STROBES CIRCUITS.
  19. STROBE INTENSITIES SHALL BE AS FOLLOWS:
    - A) CEILING MOUNTED STROBES AND HORN/STROBES SHALL BE WHITE IN COLOR, EQUAL TO SYSTEM SENSOR, 75 CANDELA (cd) MINIMUM, AND SHALL CONFORM TO THE REQUIREMENTS OF 1999 NFPA 72.6-4.4.
    - B) WALL MOUNTED STROBES IN ROOMS 10'x10' OR SMALLER SHALL BE 30cd MINIMUM (i.e. PRIVATE TOILET ROOMS).
    - C) WALL MOUNTED STROBES AND HORN/STROBES SHALL BE 15/75cd OR 75cd AND HIGHER AND SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF 2003 NFPA 72.
  20. ALL CABLING NOT RUN IN CONDUIT SHALL BE FIRE RATED, PLENUM CABLE AND MUST BE APPROVED BY THE FIRE MARSHAL PRIOR TO PURCHASING CABLE. SEE NOTE NO. 15 ABOVE.
  21. ALL ROUTING OF CABLING SHALL BE NEAT AND TIE-WRAPPED. CONTRACTOR SHALL PROVIDE "J" HOOKS FOR CABLING ROUTED ABOVE SUSPENDED CEILINGS. ALL CABLES SHALL BE TRAINED AND ROUTED PARALLEL TO BUILDING LINES. ALL TIES AND SUPPORTS SHALL BE SUITABLE FOR USE IN HVAC PLENUMS. SEE NOTE NO. 13 ABOVE.



**FIRE ALARM SYSTEM RISER DIAGRAM**  
NO SCALE

- FIRE ALARM SYSTEM KEY NOTES:**
1. PROVIDE EDCO SURGE PROTECTION DEVICES AT ALL INCOMING AND OUTGOING LINES. COORDINATE WITH SYSTEM SUPPLIER.
  2. EXISTING FIRE ALARM REMOTE ANNUNCIATOR PANEL.
  3. EXISTING FIRE ALARM CONTROL PANEL.
  4. VOICE EVAC. DISTRIBUTED VOICE PANEL AS REQUIRED.
  5. SIGNAL EXPANDER, PROVIDE ADDITIONAL SIGNAL EXPANDERS AS REQUIRED.

- NOTES:**
1. SPEAKER CIRCUIT SHALL ORIGINATE AT VOICE EVAC.
  2. STROBE LIGHT CIRCUITS SHALL ORIGINATE AT THE SIGNAL EXPANDER.

**NOTE:**  
THE FIRE ALARM DESIGN SHOWN IS CONSIDERED PRELIMINARY AND IS INTENDED TO PROVIDE GENERAL LAYOUT AND CRITERIA INFORMATION FOR BIDDING PURPOSES ONLY. THE SUCCESSFUL FIRE ALARM SYSTEM INSTALLER SHALL BE RESPONSIBLE FOR PREPARING FOR AND OBTAINING THE NECESSARY PERMIT, AND FOR PROVIDING DEVICES SUITABLE FOR THE LOCATION AT WHICH THEY ARE INSTALLED.

**LEGEND**

[F.A.C.P.] FIRE ALARM CONTROL PANEL	[Symbol]	TAMPER SWITCH PROVIDED AND INSTALLED BY OTHERS (VERIFY QUANTITY).	
[F.A.R.A.] FIRE ALARM REMOTE ANNUNCIATOR	[Symbol]	FLOW SWITCH PROVIDED AND INSTALLED BY OTHERS (VERIFY QUANTITY).	
[Symbol]	SMOKE DETECTOR	EG EQUIPMENT GROUND	
[Symbol]	HEAT DETECTOR RATE OF RISE & FIXED 135, U.O.N.	AFF ABOVE FINISHED FLOOR	
[Symbol]	FIRE ALARM HORN AS SHOWN ON PLANS (ADA) MTD. AT 80" A.F.F.	WP WEATHERPROOF	
[Symbol]	MANUAL FIRE ALARM PULL STATION (48" A.F.F. U.O.N.)	RTU ROOF TOP UNIT	
[Symbol]	FIRE ALARM SPEAKER/STROBE (ADA) MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING TO BOTTOM OF TRIM PLATE, WHICHEVER IS LOWER.	AHU AIR HANDLING UNIT	
[Symbol]	FIRE ALARM STROBE (ADA) MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING TO BOTTOM OF TRIM PLATE, WHICHEVER IS LOWER.	U.O.N. UNLESS OTHERWISE NOTED	
[Symbol]	REMOTE INDICATOR/TEST SWITCH (MTD. AT 80" A.F.F. & MARK UNIT SERVED)	[Symbol]	END OF LINE RESISTOR
[Symbol]	COMBINATION FIRE ALARM SPEAKER/STROBE - CEILING MOUNTED, ADA LISTED AND APPROVED	[Symbol]	RELAY
		[Symbol]	DUCT DETECTOR
		[Symbol]	(S) DENOTES SUPPLY DUCT
		[Symbol]	(R) DENOTES RETURN DUCT

NOT ALL DEVICES SHOWN IN LEGEND MAY BE REQUIRED FOR THIS PROJECT. REVIEW FIRE ALARM PLANS AND DETAILS FOR ITEMS WHICH APPLY.

- CONDUIT NOTES**
- UNLESS OTHERWISE NOTED ON FLOOR PLANS, OR UNLESS LOCATED ABOVE HARD CEILINGS, ALL EMPTY CONDUITS FOR ALARM SYSTEM SHALL TERMINATE ABOVE ACCESSIBLE CEILINGS AND SHALL: SEE "CONDUITS FOR LOW VOLTAGE SYSTEMS NOTES" THIS SHEET.
1. TERMINATE AT AN ACCESSIBLE LOCATION.
  2. PROVIDE A 90 DEGREE BEND INTO THE CEILING SPACE.
  3. PROVIDE A CONNECTOR AND A PLASTIC BUSHING AT THE END OF THE CONDUIT.
  4. CONDUITS SHALL BE TERMINATED WITHIN THE BAR JOISTS.

- CONDUITS FOR LOW VOLTAGE SYSTEMS NOTES:**
1. WHERE SYSTEM DEVICES ARE LOCATED IN AREAS THAT ARE NOT ACCESSIBLE AT A FUTURE DATE, THESE DEVICES SHALL BE CONNECTED VIA CONDUIT SYSTEM AND EXTENDED TO AN ACCESSIBLE LOCATION, SUCH AS, ABOVE LAY IN CEILING OR ACCESSIBLE ROOMS. COORDINATE WITH SYSTEM SUPPLIER FOR CONDUIT TERMINATION REQUIREMENT FOR FUTURE ACCESSIBILITY. SEE DRAWINGS FOR SPECIFIC AREA OR DEVICE REQUIREMENTS.
  2. THIS NOTE APPLIES TO ALL LOW VOLTAGE SYSTEMS SHOWN ON THIS DRAWING OR ELSE WHERE IN THESE CONSTRUCTION DOCUMENTS.
  3. ACTUAL LAYOUT AND BOX SIZES SHALL BE COORDINATED WITH SYSTEM SUPPLIER FOR ANY DEVIATION REQUIRED. SYSTEM SUPPLIER SHALL PROVIDE ACTUAL LAYOUT AND SIZES TO THE ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.

**FOWLER ASSOCIATES ARCHITECTS, INC.**  
1421 COLONY SQUARE, SUITE 200, CLEARWATER, FLORIDA 34625  
(727) 447-5589  
STATE OF FLORIDA LICENSE NUMBER: 00000001  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER: 00000000

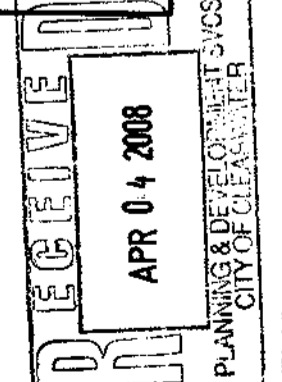
BY: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
NO. 2  
DATE: 05-28-08

DRAWN: C.V.  
DATE: 7 Nov 07

**FIRE ALARM RISER AND NOTES**  
Clearwater Beach Library & Recreation Center Consolidation  
60 BAY ESPERANDE  
CLEARWATER, FLORIDA 34678

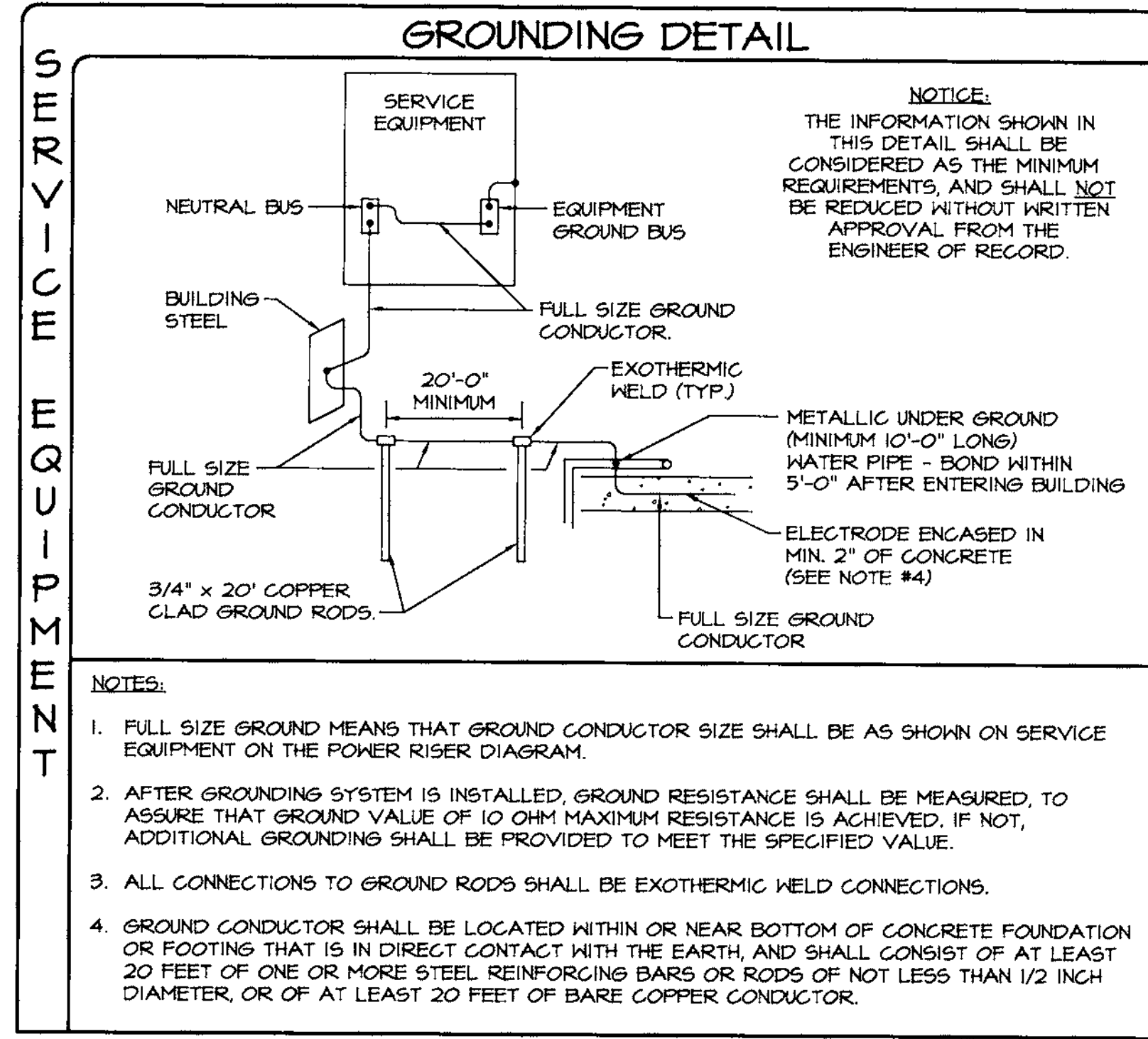
PROJECT NO: 07-214  
SHEET NO: E-2.1

**CHEHAYEB & ASSOCIATES, INC.**  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZEELE ST. TAMPA, FL 33609  
(813) 876-1415  
(fax) 876-0913  
LIC. #49521 - SOUTHERN CHEHAYEB, P.E. CERT. #7340



3.10.08





### PANEL NA

MANUFACTURER SQUARE D<sup>®</sup> SPECIAL W/FEED THRU LUGS  
PANEL TYPE NG00 120/208V VOLTS 3 PH. 5 WIRE/SOLID NEUTRAL 400 AMPERE BUS 400 AMPERE MAIN LUGS  
22K AMPERE INTERRUPTING CAPACITY (FULLY RATED) MOUNTING: FLUSH - SURFACE X LOCATION SEE PLANS

NO.	KVA	CONT.	WIRE	GND	COND.	DESCRIPTION	A	B	C	DESCRIPTION	WIRE	GND	COND.	CONT.	KVA	NO.
1	0.8	-	2#12	1#12	1/2"	EXERCISE RM. FANS	2.3			EH-10	2#10	1#10	3/4"	-	15	2
3	1.0	-	2#10	1#10	3/4"	GARBAGE DISPOSAL		2.5		EH-10	2#10	1#10	3/4"	-	15	4
5	0.8	-	2#12	1#12	1/2"	MULTIPURPOSE RM LTG OB	0.8		1.4	VOICE EAC. BOOSTER	2#10	1#10	3/4"	L	0.6	6
7	0.8	-	2#12	1#12	1/2"	MULTIPURPOSE RM LTG OB		1.0		SPARE	-	-	-	-	-	8
9	1.0	-	2#12	1#12	1/2"	LIBRARY-LTG OB	1.0			SPARE	-	-	-	-	-	10
11	0.7	-	2#12	1#12	1/2"	LIBRARY-LTG IB		0.7		SPARE	-	-	-	-	-	12
13	0.8	-	2#12	1#12	1/2"	LIBRARY-LTG OB	1.0			MULTI-PURPOSE-DWNLT	2#10	1#10	1/2"	-	1.2	14
15	0.4	-	2#12	1#12	1/2"	LIBRARY-LTG IB		1.5		MULTI-PURPOSE-DWNLT	2#10	1#10	3/4"	-	0.9	16
17	1.0	-	2#12	1#12	1/2"	GENERAL-LTG		1.0		MULTI-PURPOSE-DWNLT	2#10	1#10	3/4"	-	0.8	18
19	-	-	-	-	-	SPARE		-		SPACE ONLY	-	-	-	-	-	20
21	-	-	-	-	-	SPARE		-		SPACE ONLY	-	-	-	-	-	22
23	-	-	-	-	-	SPARE		-		SPACE ONLY	-	-	-	-	-	24
25	3.9	-	-	-	-	60A	3.9			SPACE ONLY	-	-	-	-	-	26
27	3.9	-	3#6	1#6	1"	AHU-5	3.9		3.9	SPACE ONLY	-	-	-	-	-	28
29	3.9	-	-	-	-	60A	3.9		3.9	SPACE ONLY	-	-	-	-	-	30
31	3.2	-	2#6	1#6	1"	CW-5	3.2		3.2	SPACE ONLY	-	-	-	-	-	32
33	3.2	-	-	-	-	30A	3.2		3.2	SPACE ONLY	-	-	-	-	-	34
35	-	-	-	-	-	30A	0.5		0.5	SPACE ONLY	-	-	-	-	-	36
37	0.0	-	-	-	-	BREF-(FAN)	2#12	1#12	1/2"	-	0.5	3#8	-	-	-	38
39	0.0	-	4#10	1#10	3/4"	SURGE SUPPRESSOR	2#12	1#12	1/2"	-	0.8	4#0	-	-	-	40
41	0.0	-	-	-	-	SPARE	-	-	-	SPARE	-	-	-	-	-	42

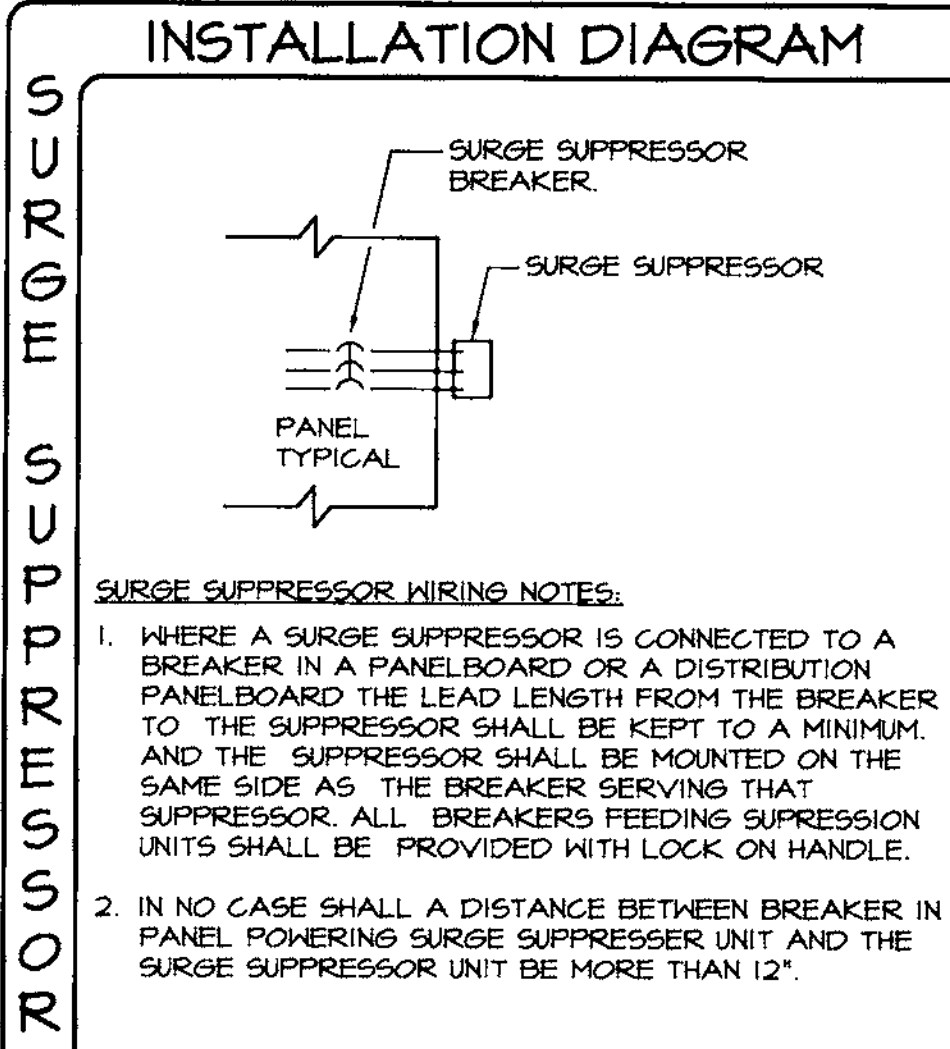
KVA SUB TOTALS 43.3 45.7 12.8  
CONNECTED LOAD KVA 26.6 4.0 10.1 11.0 DEMAND FACTOR 1.25 (L76) DEMAND LOAD KVA 60.3  
NOTE: ALL BREAKERS 20A, UNLESS OTHERWISE NOTED. DEMAND AMPERES 160.0

### PANEL NB

MANUFACTURER SQUARE D<sup>®</sup> SPECIAL W/FEED THRU LUGS  
PANEL TYPE NG00 120/208V VOLTS 3 PH. 5 WIRE/SOLID NEUTRAL 400 AMPERE BUS 400 AMPERE MAIN LUGS  
22K AMPERE INTERRUPTING CAPACITY (FULLY RATED) MOUNTING: FLUSH - SURFACE X LOCATION SEE PLANS

NO.	KVA	CONT.	WIRE	GND	COND.	DESCRIPTION	A	B	C	DESCRIPTION	WIRE	GND	COND.	CONT.	KVA	NO.
1	1.2	-	2#12	1#12	1/2"	FITNESS ROOM-RECEPT	1.8			MULTI PURPOSE-RECEPT.	2#12	1#12	3/4"	-	0.6	2
3	1.2	-	2#12	1#12	3/4"	FITNESS ROOM-RECEPT	2.0			MULTI PURPOSE-RECEPT.	2#12	1#12	3/4"	-	0.8	4
5	1.2	-	2#12	1#12	1/2"	FITNESS ROOM-RECEPT	2.4			MULTI PURPOSE-RECEPT.	2#12	1#12	3/4"	-	1.2	6
7	1.2	-	2#12	1#12	1/2"	FITNESS ROOM-RECEPT	1.2			SPARE	-	-	-	-	-	8
9	1.2	-	2#12	1#12	3/4"	FITNESS ROOM-RECEPT	1.2			SPARE	-	-	-	-	-	10
11	1.2	-	2#12	1#12	1/2"	FITNESS ROOM-RECEPT	1.8			GENERAL RECEIPT.	3#12	1#12	3/4"	-	0.6	12
13	0.8	-	2#12	1#12	1/2"	FITNESS ROOM-RECEPT	1.4			GENERAL RECEIPT.	3#12	1#12	3/4"	-	0.6	14
15	0.8	-	2#12	1#12	3/4"	FITNESS ROOM-RECEPT	2.0			SOUND SYSTEM-REC	2#10			16	12	16
17	1.2	-	2#12	1#12	1/2"	FITNESS ROOM-RECEPT	2.4			SOUND SYSTEM-REC	2#10	5#10	1"	16	12	18
19	0.6	-	2#12	1#12	1/2"	ENK-RECEPT	1.8			SOUND SYSTEM-REC	2#10			16	12	20
21	0.4	-	2#12	1#12	3/4"	FLAT SCREEN-RECEPT	2.1			SOUND SYSTEM-REC	2#10			16	12	22
23	-	-	-	-	-	SPARE	1.2			SOUND SYSTEM-REC	2#10			16	12	24
25	-	-	-	-	-	SPARE	1.2			SOUND SYSTEM-REC	2#10	5#10	1"	16	12	26
27	0.6	16	2#12	1#12	3/4"	FLOOR OUTLETS-RECEPT	1.6			SOUND SYSTEM-REC	2#10			16	12	28
29	0.6	16	2#12	1#12	3/4"	FLOOR OUTLETS-RECEPT	1.6			SOUND SYSTEM-REC	2#10			16	12	30
31	1.2	16	2#12	1#12	3/4"	COMP. STATION-RECEPT	1.2			SPARE	-	-	-	-	-	32
33	0.4	-	2#12	1#12	3/4"	RECEPTION	0.4			SPARE	-	-	-	-	-	34
35	0.6	-	2#12	1#12	1/2"	RECEPTION DESK	0.6			SPARE	-	-	-	-	-	36
37	0.4	-	2#12	1#12	3/4"	RECEPTION DESK	0.4			SPARE	-	-	-	-	-	38
39	0.6	16	2#12	1#12	1/2"	RECEPTION DESK	0.6			SPARE	-	-	-	-	-	40
41	0.8	-	2#10	1#10	3/4"	STORAGE ROOM-RECEPT	0.8			SPARE	-	-	-	-	-	42

KVA SUB TOTALS 42.0 10.1 11.0  
CONNECTED LOAD KVA 30.1 4.0 10.1 11.0 DEMAND FACTOR 1.2 DEMAND LOAD KVA 30.1  
NOTE: ALL BREAKERS 20A, UNLESS OTHERWISE NOTED. DEMAND AMPERES 24.0



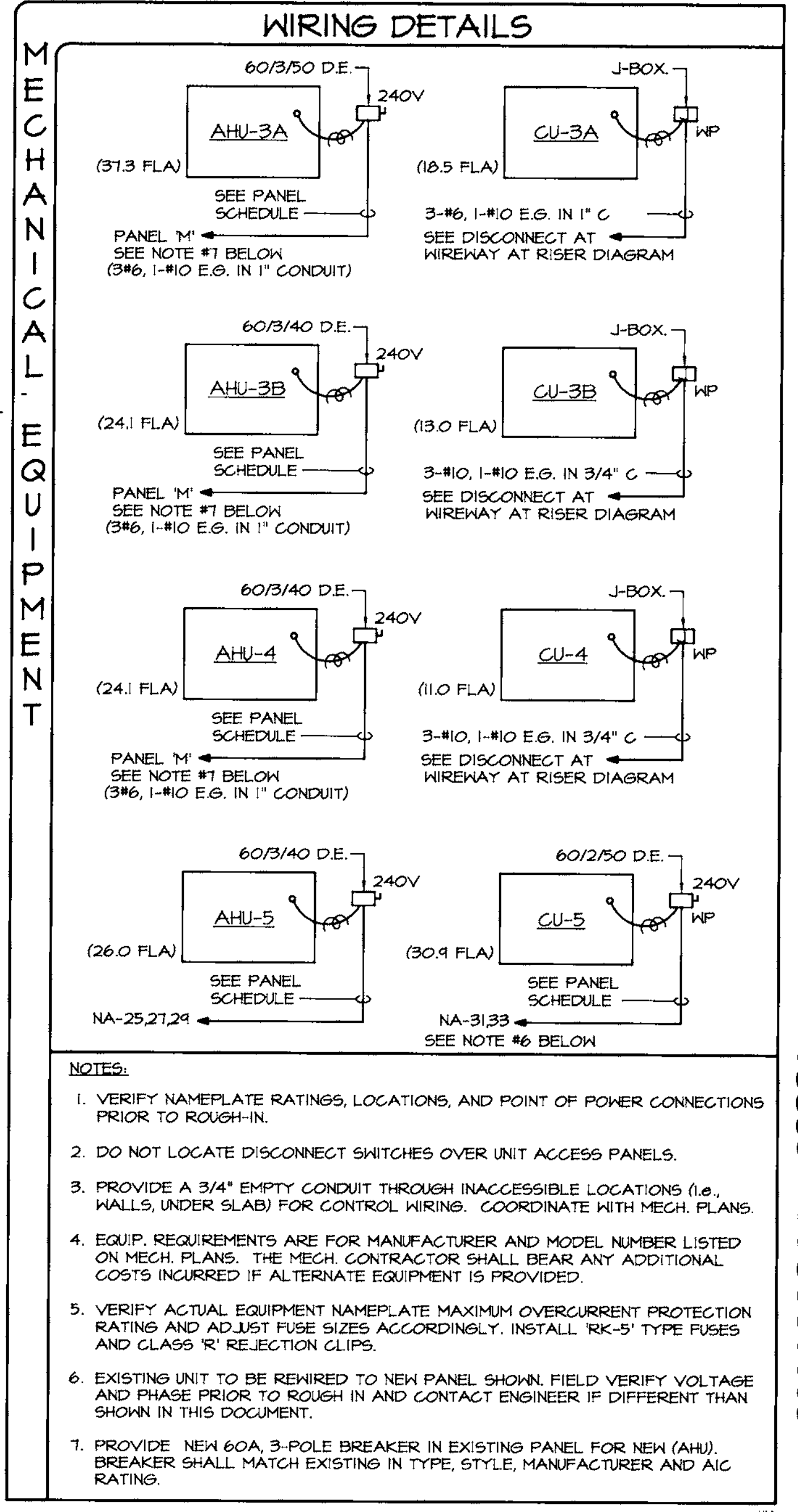
### LOAD SUMMARY

LIGHTING (ADD)	15.0
RECEPTACLES (ADD)	10.0
MISC. (ADD)	20.1
WATER HEATER (ADD)	3.0
Δ HVAC (ADD)	11.7
EXISTING BUILDING LOAD (PER N.E.C. 220-35)	96.9
<b>TOTAL</b>	<b>156.7 KVA</b>

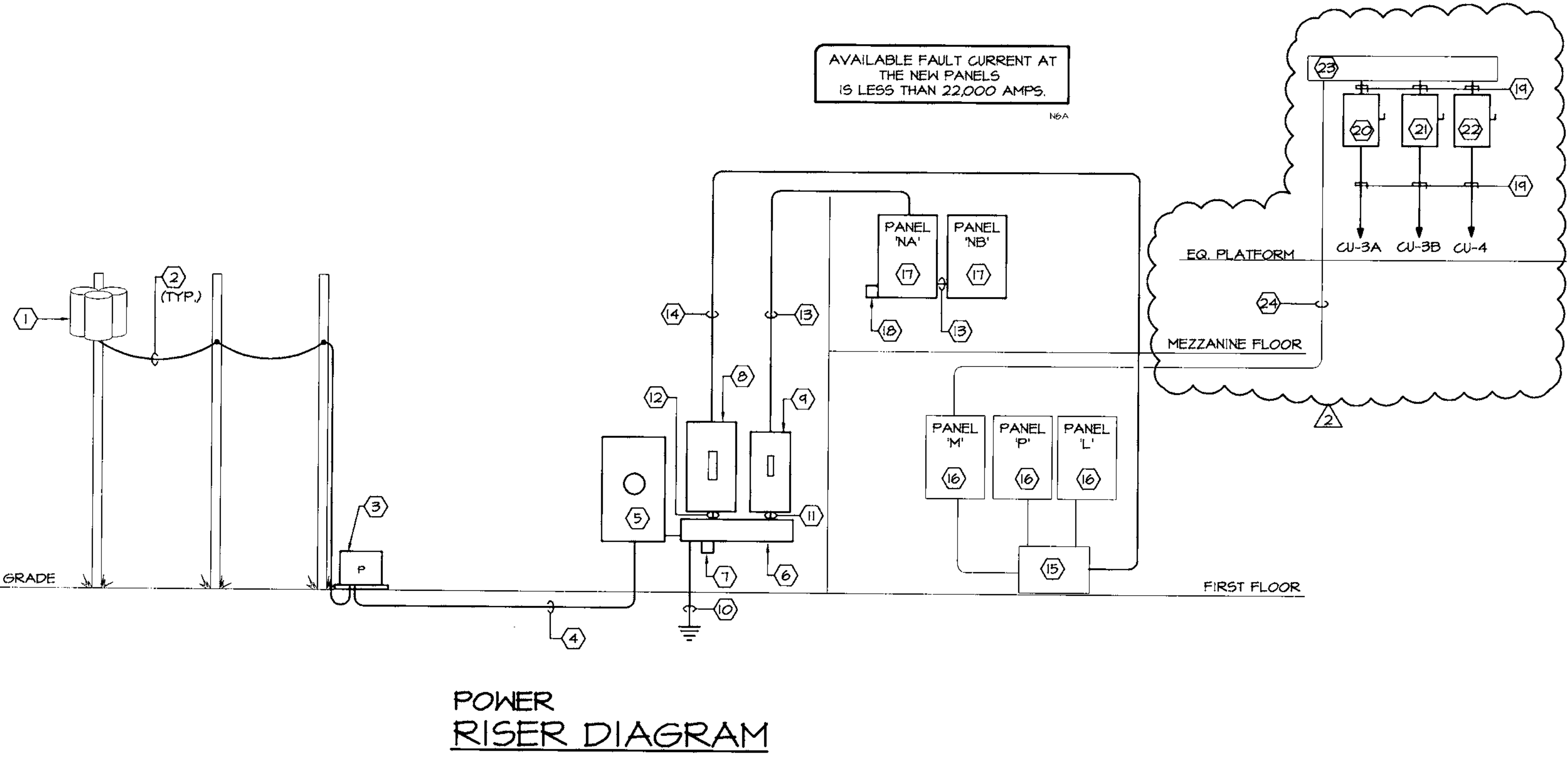
156.7 KVA @ 120/208V, 3ph, 4W = 156.7 @ 420/208V, 3-PH = 436.0 AMPS  
NEW SERVICE IS 600 AMPS @ 120/208V, 3ph, 4w.

PEAK DEMAND PREVIOUS 12 MONTHS (PER FFC) = 62.0 KW  
62.0 KW @ 4pt = 71.5 KVA x 1.25 = 89.4 KVA

HEATING AND COOLING ARE NON-CONCURRENT LOADS. TOTAL IS BASED ON THE HIGHER VALUE.



- ### NOTES
- EXISTING PROGRESS ENERGY TRANSFORMERS TO REMAIN.
  - OVER HEAD SECONDARY BY PROGRESS ENERGY.
  - EXISTING PEDESTAL TO REMAIN AND REUSED TO POWER THE NEW SERVICE. CONTRACTOR SHALL COORDINATE WITH P.E.F. TO DISCONNECT THE OLD SERVICE AFTER THE NEW SERVICE IS ON LINE.
  - (2) SETS OF 3-1/2" CONDUITS WITH 4 #500 MCM CU. IN EACH. PLUS (1) 3-1/2" SPARE CONDUIT WITH FULL WIRE. LABEL ACCORDINGLY.
  - 600 AMP 120/208V, 3-PHASE, 4-WIRE, SELF CONTAINED METER PER PROGRESS ENERGY OF FLORIDA (P.E.F.) SPECIFICATIONS.
  - 12"D x 18"Hx LENGTH AS REQUIRED, WEATHER PROOF WIREWAY WITH DISTRIBUTION CONNECTION BLOCKS TO ACCOMMODATE THE FEEDERS SHOWN PLUS 20% SPARE LUG CAPACITY.
  - 3-PHASE LIGHTNING SURGE SUPPRESSOR.
  - 400 AMP, 3-PH, 4-WIRE, S/N, NEMA 3R, ENCLOSED CIRCUIT BREAKER 42K A.I.C. EQUAL TO SQ 'D' TYPE 'LC' BREAKER. SERVICE ENTRANCE RATED.
  - 250 AMP, 3-PH, 4-WIRE, S/N, NEMA 3R, ENCLOSED CIRCUIT BREAKER 42K A.I.C. EQUAL TO SQ 'D' TYPE 'JS' BREAKER. SERVICE ENTRANCE RATED.
  - #4/0 CU. GROUND. SEE DETAIL THIS SHEET.
  - 4-#250 MCM, AND 1-#1 GND IN 3" CONDUIT.
  - (2) SETS OF 3" CONDUITS WITH 4 #300 MCM CU AND 1 #1/0 GND IN EACH.
  - 4 #250 MCM, 1 #4 E.G. AND 1 #4 1/0 IN 3" CONDUIT.
  - (2) SETS OF 3" CONDUITS WITH 4 #300 MCM CU AND 1 #1/0 E.G. IN EACH.
  - EXISTING TAP BOX TO REMAIN. MODIFY AS REQUIRED FOR NEW FEEDER AND RE TAP EXISTING PANELS AS CURRENTLY EXISTS.
  - EXISTING PANELS TO REMAIN, RE LABEL PANEL AS REQUIRED TO REFLECT ALL MODIFIED CIRCUITS EFFECTED BY THE NEW RENOVATION AND OR ADDITION.
  - NEW PANELS LOCATED IN ATTIC SPACE ABOVE EXISTING WOMENS RESTROOMS.
  - SURGE SUPPRESSOR EQUAL TO SURGE SUPPRESSION INC. CAT NO. STM24-SY1. SEE DETAIL THIS SHEET FOR WIRING.
  - SEE EQUIPMENT DETAIL ABOVE FOR WIRING.
  - 60 AMP 3-POLE, NEMA 3R DISCONNECT SWITCH FUSED AT 40 AMPS WITH CLASS 'R' FUSES WITH CLASS 'R' REJECTION CLIPS. (CU-3A)
  - 30 AMP 3-POLE, NEMA 3R DISCONNECT SWITCH FUSED AT 25 AMPS WITH CLASS 'R' FUSES WITH CLASS 'R' REJECTION CLIPS. (CU-3B)
  - 30 AMP 3-POLE, NEMA 3R DISCONNECT SWITCH FUSED AT 20 AMPS WITH CLASS 'R' FUSES WITH CLASS 'R' REJECTION CLIPS. (CU-4)
  - EXISTING WIREWAY TO BE REUSED. VERIFY CONDITION AND PROVIDE NEW IF REQUIRED.
  - EXISTING FEEDER FROM 125 AMP 3-POLE BREAKER IN PANEL 'M' TO BE REUSED. FIELD VERIFY THAT THE WIRE IS 3-#1, 1-#6 E.G. (COPPER) MINIMUM, IF NOT PROVIDE NEW.



**FOWLER ASSOCIATES ARCHITECTS, INC.**  
142 QUINCY STREET, CLEARWATER, FLORIDA 34615  
STATE OF FLORIDA ARCHITECTURAL PROFESSIONAL SEAL  
CERTIFICATE OF CORPORATE AUTHORIZATION NUMBER 14000065

STEPHEN R. FOWLER  
ARCHITECT  
48003441

BY \_\_\_\_\_  
REVISION \_\_\_\_\_  
DATE 03-26-08  
NO. 2  
DRAWN C.V.  
DATE 7 Nov 07

POWER RISER DIAGRAM AND PANEL SCHEDULES  
Clearwater Beach Library & Recreation Center Consolidation  
69 BAY ESPLANADE  
CLEARWATER, FLORIDA 34617

07-214  
E-4.1

CHEHAYB & ASSOCIATES, INC.  
CONSULTING PROFESSIONAL ENGINEERS  
3702 AZZULE ST. TAMPA, FL 33609 (813) 876-1415 (fax) 876-0913  
LIC. #49521 SOUTH FLORIDA CERT. #7340