



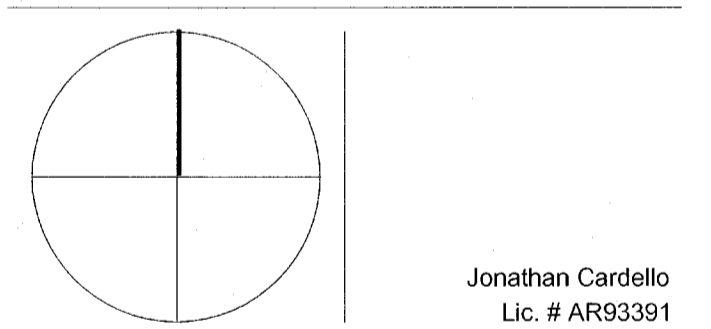


REVISIONS

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS TO 100% CD	2/7/14
2	PERMIT REVIEW COMMENTS	3/14/14
3	POOL SUITES WALLS	4/4/14

PERMIT SET

NORTH SEAL



ADD Inc Architecture Interiors Planning

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Lic. # AA26001507  
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JOB NUMBER: 13036.00

CHECKED BY:

ISSUE DATE: JANUARY 24, 2014

SCALE: 3/32" = 1'-0"

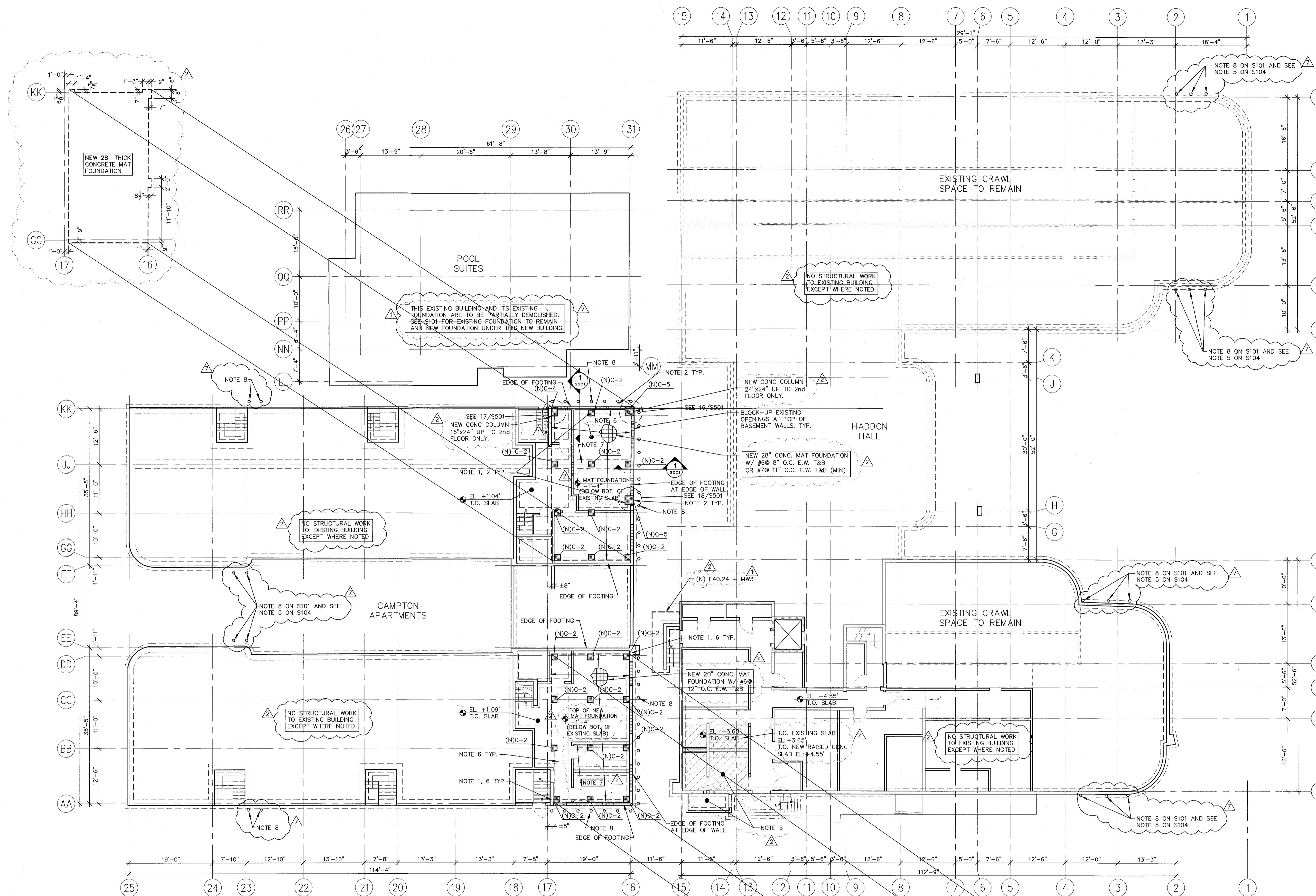
SHEET TITLE

BASEMENT FOUNDATION PLAN

SHEET NUMBER

S100

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1 BASEMENT FOUNDATION PLAN  
SCALE: 3/32" = 1'-0"

**HELICAL PILE NOTES:**  
ALL HELICAL PILES SHOWN ARE HELICAP PILE SYSTEM INCLUDING 24" WIDE X 12" LONG MINIMUM BRACKETS BY MANUFACTURER RATED FOR 24 KIPS AXIAL COMPRESSION AND 8 KIPS AXIAL TENSION ALLOWABLE CAPACITY. HELICAL PILE MANUFACTURER TO PROVIDE DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA FOR ALL HELICAL PILE SYSTEM USED ON THIS PROJECT.  
ALL PILE CAP HAVE W/C = 0.4, F<sub>c</sub> = 6,000 PSI, @ 28-DAYS

- NOTES:**
- GC TO INSTALL NEW HELICAL PILE WITH BRACKETS CAPABLE OF SUSTAINING 24KIPS ALLOWABLE AXIAL COMPRESSION LOAD AT 3'-0" ON CENTER FROM EXTERIOR SIDE OF BASEMENT WALL FOUNDATION AND BRACE EXISTING BASEMENT WALL PRIOR TO CUTTING EXISTING SLAB TO INSTALL NEW FOUNDATION AND NEW COLUMNS.
  - GC TO EXCAVATE DOWN TO EXISTING FOUNDATION LEVEL TO BUILD NEW COLUMNS. AFTER INSTALLING NEW HELICAL PILES W/ BRACKETS (HPB) AT EXTERIOR, CUT 6" OF WIDTH FROM EXISTING 24" WIDE X 12" DEEP X CONTINUOUS FOUNDATION UNDER BASEMENT WALLS WHERE SHOWN TO INSTALL NEW HELICAL PILE CAP (HPC) FLUSH WITH INTERIOR FACE OF BASEMENT WALLS. PROVIDE EARTH AND STRUCTURE SHORING AS REQUIRED AND AS ENGINEERED BY A SHORING FLORIDA REGISTERED PROFESSIONAL ENGINEER (TYPICAL).
  - NEW C-4 AND C-5 COLUMN FROM NEW FOUNDATION UP TO 2ND FLOOR.
  - NEW C-2 COLUMN FROM NEW FOUNDATION UP TO GROUND FLOOR.
  - NEW 4" RAISED CONCRETE-SLAB-ON-GRADE WITH 6x8 W2.9xW2.9 WWF ON 10 MIL S BARRIER ON COMPACTED, TREATED SUB-SOIL ON TOP OF EXISTING SLAB TO REMAIN.
  - NEW CONCRETE SLAB INFILL AT LOCATIONS OF REMOVED SLAB FOR NEW COLUMN AND FOUNDATION INSTALLATION TO MATCH EXISTING BASEMENT CONCRETE SLAB DOWN, AND EPOXY NEW SLAB INFILL BARS #5 @ 12" o.c. EACH WAY TOP & BOTT MIN. TO SURROUNDING EXISTING SLAB AND WALLS WITH HILTY HIT HY150 ADHESIVE SYSTEM AND 7.5 MINIMUM EMBEDMENT.
  - DEMOLISH INTERIOR CMU WALL AND ITS FOUNDATION ONLY AFTER SHORING BASEMENT WALLS AND REMOVING 1ST FLOOR FRAMING TO INSTALL NEW MAT FOUNDATION.
  - NEW HELICAL PILE SYSTEM @ 3'-0" ON CENTER WITH BRACKET BY MANUFACTURER RATED FOR 24 KIPS ALLOWABLE AXIAL COMPRESSION LOAD ADDED UNDER EXISTING FOUNDATION TO REINFORCE EXISTING FOUNDATION BEARING CAPACITY.
  - ALL ELEVATIONS ARE N.G.V.D. UNLESS OTHERWISE (U.N.O.)

MITCI  
PRIVATE PROVIDER SERVICES, LLC  
501 South Bay Street, Suite 1000, Miami, FL 33131

BUILDING	REVIEWER INITIALS	DATE REVIEWED
STRUCTURAL	arc	11/10/14
MECHANICAL		
ELECTRICAL		
PLUMBING		
SITE CIVIL		

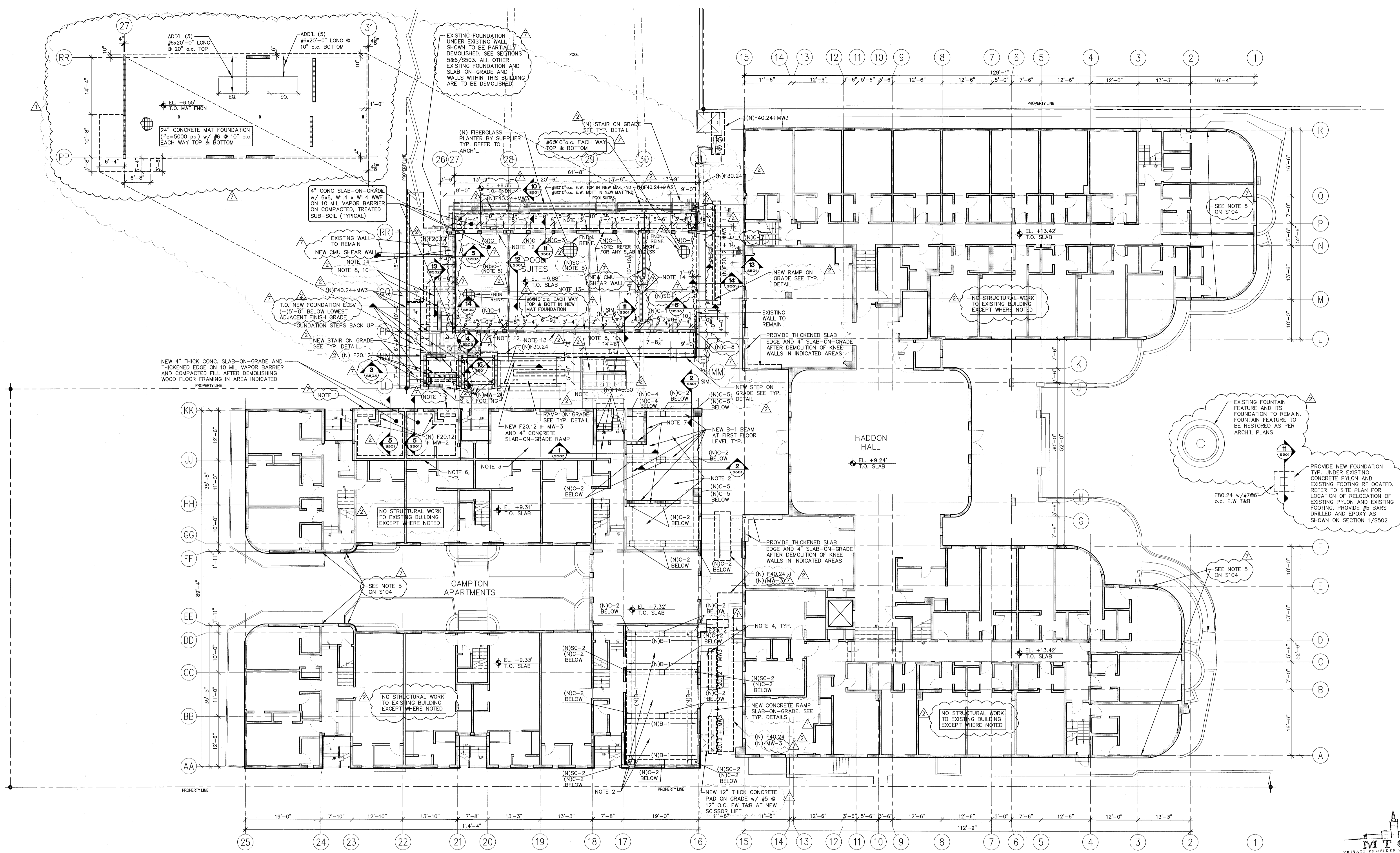
PERMIT SET  
1/24/14

THESE ARE PROGRESS DRAWINGS, THEREFORE THEY ARE ISSUED PRIOR TO COMPLETION OF THE STRUCTURAL DESIGN, AND OTHER DESIGN DISCIPLINES INCLUDING BUT NOT LIMITED TO ARCHITECTURAL OR MECHANICAL DESIGNS, AND AS SUCH, ARE INCOMPLETE BY NATURE FOR THE COMPREHENSIVE SCOPE OF THE PROJECT. ALLOWANCES FOR STRUCTURAL ELEMENTS REQUIRED DUE TO THE COMPLETION AND CROSS-COORDINATION OF ALL OTHER DISCIPLINES SHOULD BE MADE.

ONM  
O'Donnell, Naccarato, Mignogna Jackson  
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LIC. # 0004386  
JOB # 665.073

REVISIONS

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS TO 100% CD	2/7/14
2	PERMIT REVIEW COMMENTS	3/14/14
3	POOL SUITES WALLS	4/4/14



1 FIRST FLOOR PLAN  
SCALE: 3/32" = 1'-0"

- NOTES:
1. NEW OPENING IN EXISTING CMU LOAD BEARING WALL AT NEW DOOR. PROVIDE NEW STEEL DOUBLE CHANNEL PLATE AND BOLT SHORING SYSTEM PRIOR TO CUTTING OPENING. PROVIDE NEW CONCRETE LINTEL BEAM ABOVE NEW OPENING.
  2. SHORE EXISTING BASEMENT BEARING WALLS. THEN, REMOVE EXISTING WOOD FLOOR FRAMING. THEN PROVIDE NEW 6" THICK CONCRETE SLAB WITH #5 @ 12" O.C. E.W. T&B, W/C=0.4, F<sub>c</sub>=6,000 PSI @ 28 DAYS SPANNING BETWEEN NEW CONCRETE BEAMS. CANTILEVER SLAB OUT TO EXISTING BASEMENT WALLS WHERE REQUIRED WITH SAME REINFORCING SPECIFIED. DOWEL TOP AND BOTTOM BARS 6.75" INTO EXISTING WALLS WITH HILTI HIT HY150.
  3. ADD NEW (2) 2X10 SP NO. 2 GRADE JOISTS @ 16" O.C. TO REINFORCE EXISTING FLOOR FRAMING UNDER NEW GYM ROOM AREA. PROVIDE (2) SIMPSON HGA10 CONNECTIONS AT EACH END TO EXISTING CMU BEARING WALLS/ BEARING STEM WALLS.
  4. INFILL EXISTING BASEMENT WALL SIDELITE OPENINGS WITH NEW MW-2 WALLS AND EPOXY WITH HILTI HIT HY 150 ADHESIVE SYSTEM WITH 8" MIN. EMBED TO EXISTING FILLED CELLS. IF ADJACENT SURROUNDING CELLS ARE NOT FILLED, GROUT FILL FIRST ROW/COLUMN CELLS ONLY.
  5. PROVIDE NEW 12"x12"x1.25" THICK CAP AND BASE PLATE W/ (4) 1/2" X 5" LG H.S. AT ELEVATED SLABS PROVIDE NEW 12"x12"x1.25" BASE PLATE AT FOUNDATION W/ (4) 1" DIAMETER X 16" LG A307 THREADED BOLT W/ 2"x2"x3/4" PLATE AND DOUBLE NUTS AT END OF BOLTS.
  6. EXISTING BEARING WALL/BEARING STEM WALLS TO REMAIN ON TOP OF EXISTING 24" WIDE X 12" THICK FOUNDATION TYPICAL U.N.O.
  7. NEW CMU MW-1.
  8. 8" THICK STAIR SLAB THICKNESS PLUS RISER W/ #4@8" O.C. E.W. T&B AT STAIR SLAB AND LANDING. HOOK ALL STAIR STAIR SLAB AND LANDING REBAR INTO CONCRETE WALL AND CONCRETE BEAMS. PROVIDE 6" THICK CONCRETE WALLS AT EDGES W/ #4 @ 6" O.C. MID VERTICAL HOOKED INTO STAIR SLAB AND #4 @ 12" O.C. HORIZONTAL.
  9. 10" THICK CONCRETE WALL W/ #5@8" O.C. EACH FACE VERTICAL, #4@16" O.C. EACH FACE HORIZONTAL.
  10. PRIOR TO CUTTING HOLE IN EXISTING CMU, CUT CMU AT NEW JAMB ONLY FIRST AND PROVIDE NEW C-7 CONCRETE COLUMN FROM FOUNDATION UP TO TOP OF NEW OPENING. THEN PROVIDE INFORMATION AS PER SECTION 2/5503.
  11. PROVIDE NEW MW-3 WALLS AT ALL CMU NOT TAGGED ON PLAN. GROUT ALL CELLS SOLID BELOW GRADE.
  12. PROVIDE NEW MW-3 TYPICAL ALONG THIS WALL U.N.O. FROM FNDN TO ROOF.
  13. PROVIDE NEW 8" CONCRETE SHEARWALL (FNDN TO TOP OF ROOF) W/ #7 @ 6" O.C. VERTICAL E.F. AND #3@8" O.C. HORIZONTAL E.F.
  14. PROVIDE NEW MW-3 FOR 6 FEET FROM EACH END OF THIS WALL FROM FNDN TO ROOF AND PROVIDE NEW MW-5 AT BALANCE FROM FNDN TO ROOF.
  15. ALL NEW FOUNDATIONS TO BE 1'-6" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE.

PERMIT SET  
1/24/14

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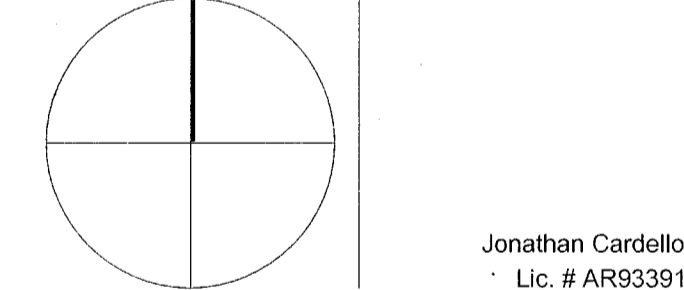
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JOB NUMBER: 13036.00

CHECKED BY:

ISSUE DATE: JANUARY 24, 2014

SCALE: 3/32" = 1'-0"

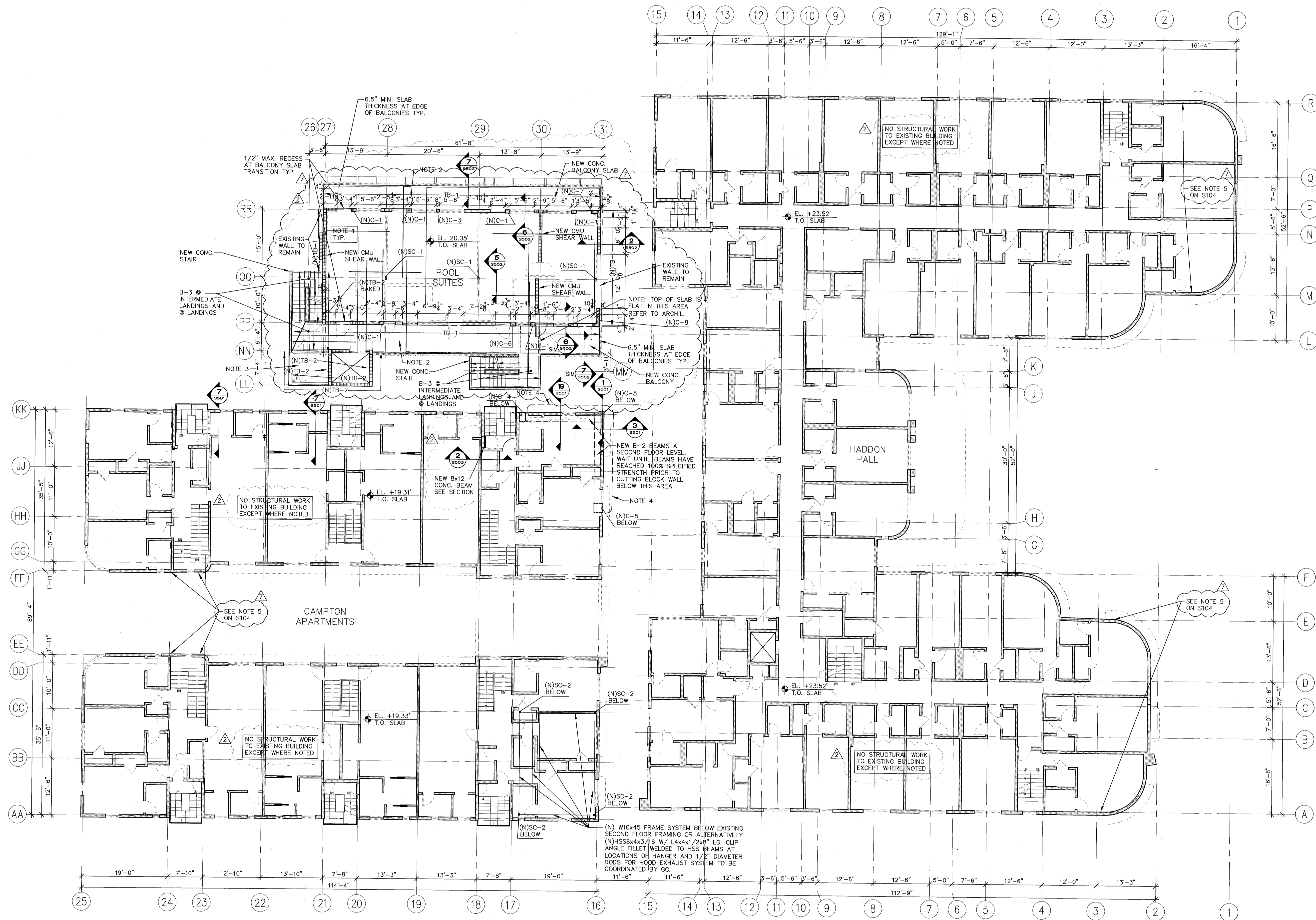
SHEET TITLE

FIRST FLOOR PLAN

SHEET NUMBER

S101

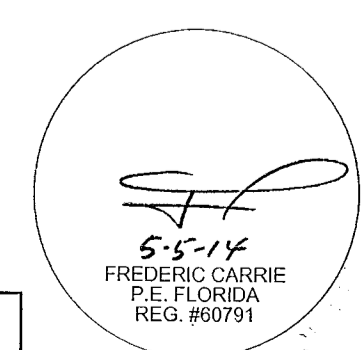
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1 SECOND FLOOR FRAMING PLAN  
SCALE: 3/32" = 1'-0"

- NOTES:
1. NEW 8" THICK CONCRETE SLAB W/ #5@12" O.C. E.W. T&B. AT ALL BALCONIES, PROVIDE #5@12" O.C. TOP BARS RUNNING NORTH-SOUTH AND #4@8" O.C. TOP BARS RUNNING EAST-WEST AND #4@8" O.C. BOTTOM BARS EACH WAY. EXTEND ALL NORTH-SOUTH #5 TOP BARS OF BALCONIES 17" INTO INTERIOR SLAB. EXTEND BOTTOM BAR 4" INTO INTERIOR SLAB. REFER TO NOTE 2 FOR REINFORCING BAR PROTECTION IN BALCONIES/WALKWAYS TYP. ALL BALCONY AND EXPOSED SLABS SHALL HAVE GALVANIZED REINFORCING BARS AND CONCRETE PROTECTION AS PER CONCRETE STRUCTURAL NOTE 90 ON S104.
  2. REFER TO ARCH'L FOR SLOPING AT TOP OF SLAB AT BALCONIES/WALKWAYS TYP. ALL BALCONY AND EXPOSED SLABS SHALL HAVE GALVANIZED REINFORCING BARS AND CONCRETE PROTECTION AS PER CONCRETE STRUCTURAL NOTE 90 ON S104.
  3. NEW 6" THICK CONCRETE SLAB W/ #5 @ 12" O.C. E.W. T&B, WITH 8" THICK x 10" TALL CONCRETE CURB WITH 2# @ 12" O.C. E.W. T&B.
  4. NEW 6" THICK CONCRETE EYEBROW W/ #4 @ 12" O.C. E.W. T&B.

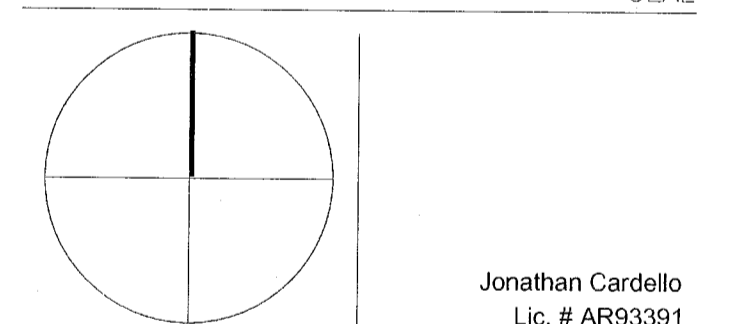
Structural Drawing Updated 1-27-14  
Based on Architectural Backgrounds Dated 1-22-14



**ONM**  
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JOB NUMBER: 13036.00  
CHECKED BY:  
ISSUE DATE: JANUARY 24, 2014  
SCALE: 3/32" = 1'-0"

SHEET TITLE

SECOND FLOOR FRAMING PLAN

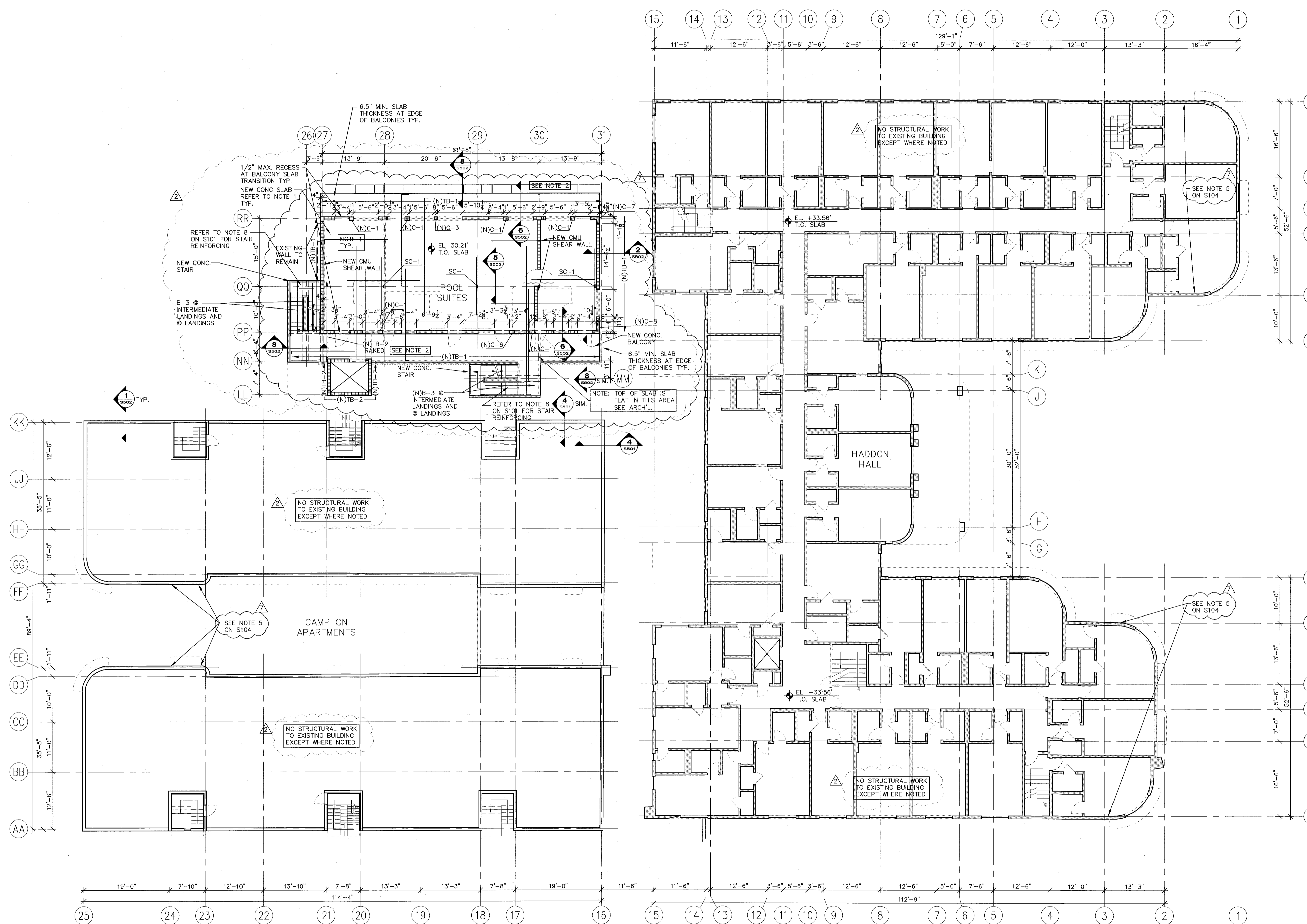
SHEET NUMBER

S102

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PERMIT SET  
1/24/14

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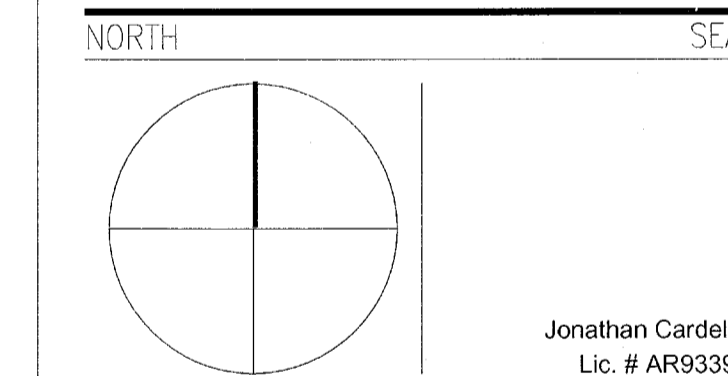
1 THIRD FLOOR FRAMING PLAN  
SCALE: 3/32" = 1'-0"

NOTES:  
1. NEW 8" THICK CONCRETE SLAB W/ #5@12" O.C. E.W. T&B. AT ALL BALCONIES, PROVIDE #5@12" O.C. TOP BARS RUNNING NORTH-SOUTH AND #4@8" O.C. TOP BARS RUNNING EAST-WEST AND #4@8" O.C. BOTTOM BARS EACH WAY. EXTEND ALL NORTH-SOUTH #5 TOP BARS OF BALCONIES 17" INTO INTERIOR SLAB. EXTEND BOTTOM BAR 4" INTO INTERIOR SLAB. REFER TO NOTE 2 FOR REINFORCING BAR PROTECTION IN BALCONIES.  
2. REFER TO ARCH. FOR SLABING AT TOP OF SLAB AT BALCONIES/WALKWAYS TYP. ALL BALCONY AND EXPOSED SLABS SHALL HAVE GALVANIZED REINFORCING BARS AND CONCRETE PROTECTION AS PER CONCRETE STRUCTURAL NOTE 80 ON S401.

REVISIONS

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS TO 100% CD	2/7/14
2	PERMIT REVIEW COMMENTS	3/14/14
3	POOL SUITES WALLS	4/4/14

PERMIT SET



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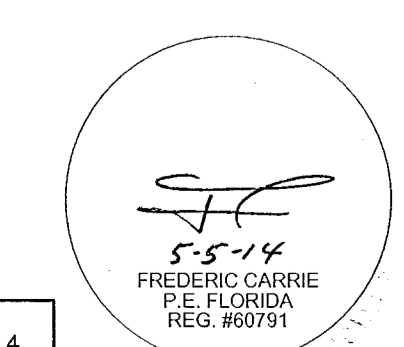
SHEET TITLE

THIRD FLOOR FRAMING PLAN

SHEET NUMBER  
**S103**

PERMIT SET  
1/24/14

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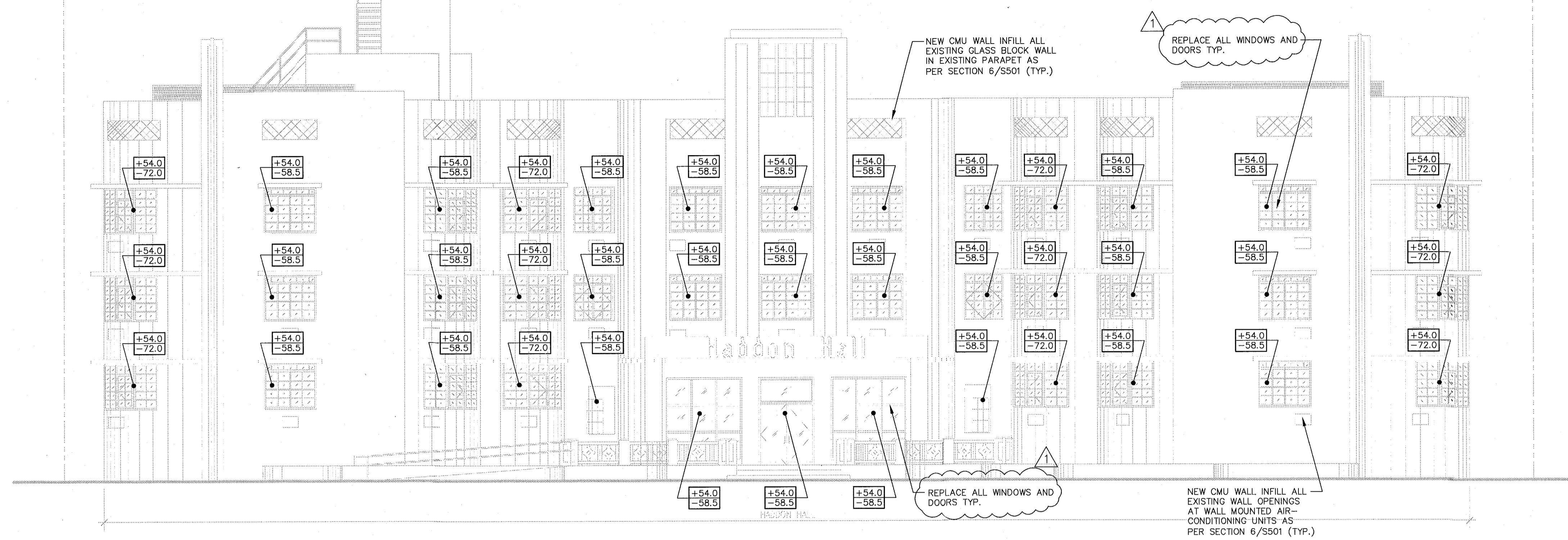
**ONM&J**  
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JOB # 665.073

Structural Drawing Updated 1-27-14  
Based on Architectural Backgrounds Dated 1-22-14

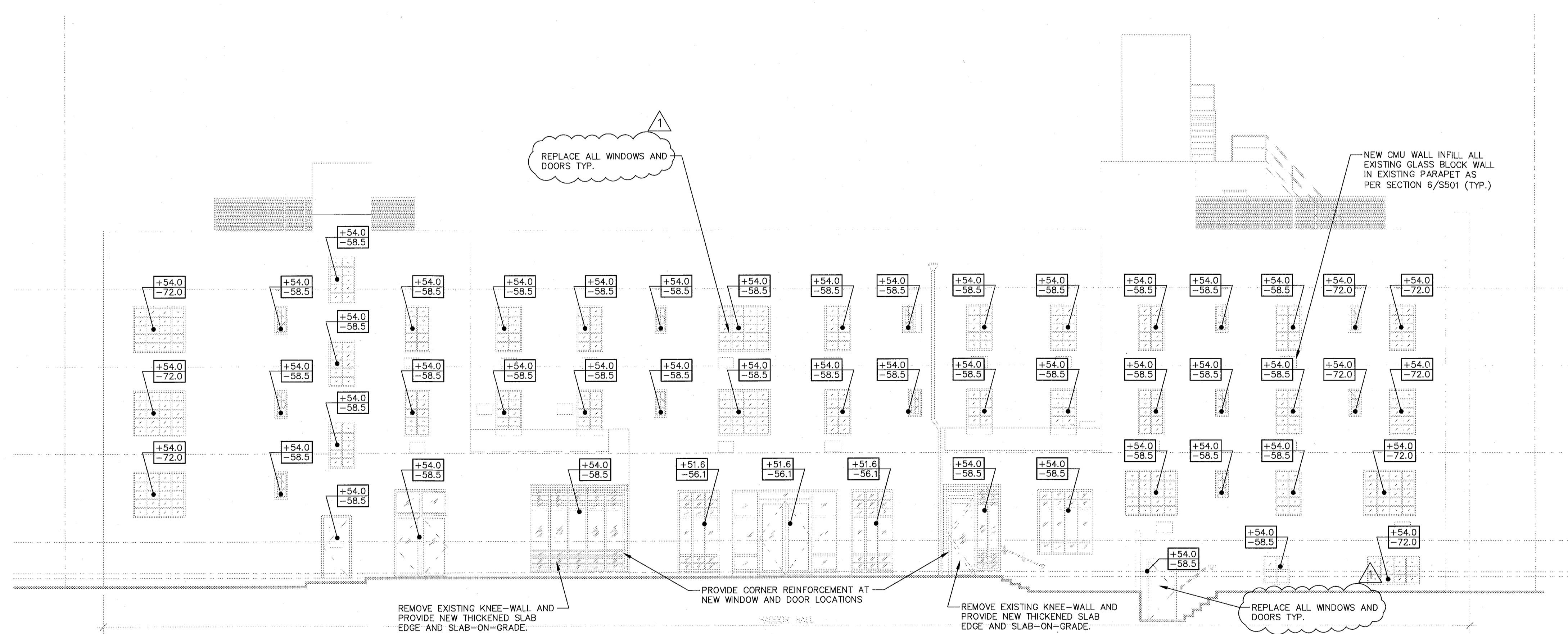


**HADDON HALL**  
1500 COLLINS AVE  
MIAMI BEACH, FL

KEYPLAN N.T.S.



1 EXTERIOR EAST HADDON HALL FACADE  
SCALE: 1/8" = 1'-0"



2 EXTERIOR WEST HADDON HALL FACADE  
SCALE: 1/8" = 1'-0"

± = ALLOWABLE PRESSURE IN PSF  
- = ALLOWABLE SUCTION IN PSF  
Kd = 0.85 INCLUDED  
EXPOSURE D  
Vasd = 139 MPH

 PRIVATE PROVIDER SERVICES, LLC Construction Plans, Specifications, Program & Contract Documents		
REVIEWER	INITIALS	DATE REVIEWED
BUILDING		
STRUCTURAL	OM	1/24/14
MECHANICAL		
ELECTRICAL		
PLUMBING		
SITE CIVIL		

**PERMIT SET**  
1/24/14

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5-5-14  
FREDERIC CARRERE  
REG. FLORIDA  
REG. #06791

**ONM**  
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JOB # 665.073

Structural Drawing Updated 1-27-14  
Based on Architectural Backgrounds Dated 1-22-14

**PERMIT SET**

NORTH SEAL

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Lic. # AR93391

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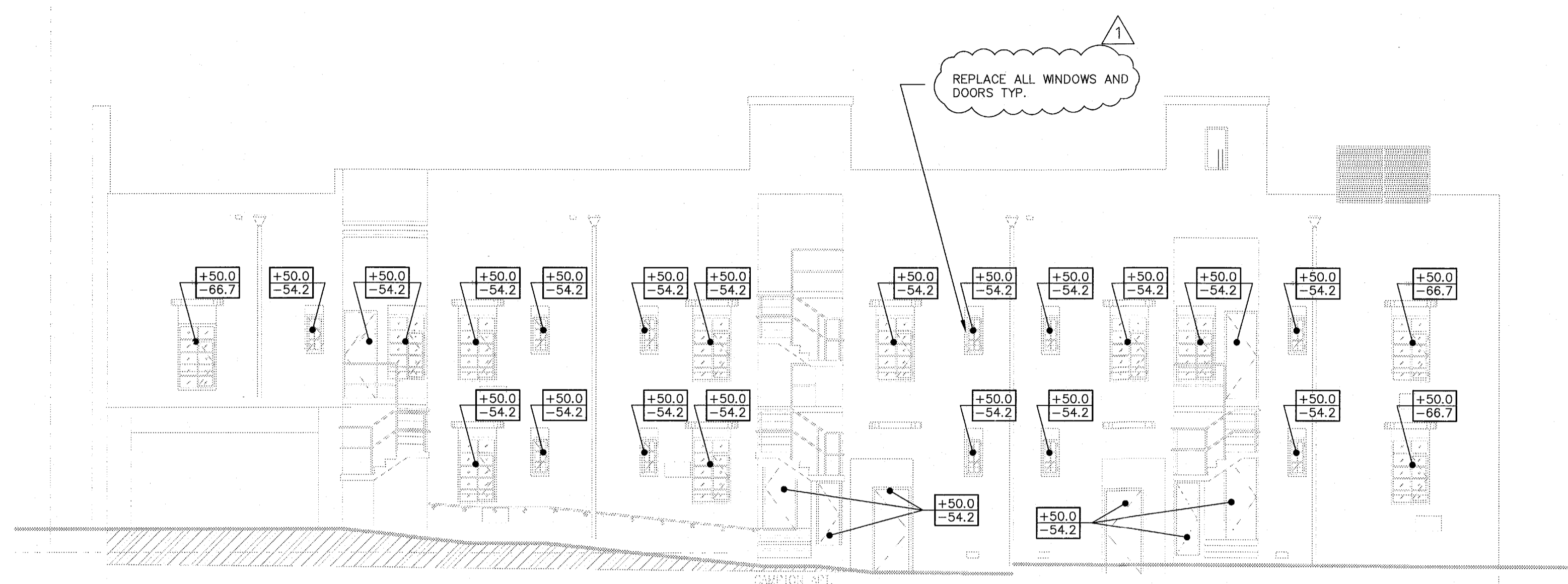
EXTERIOR ELEVATIONS

SHEET NUMBER

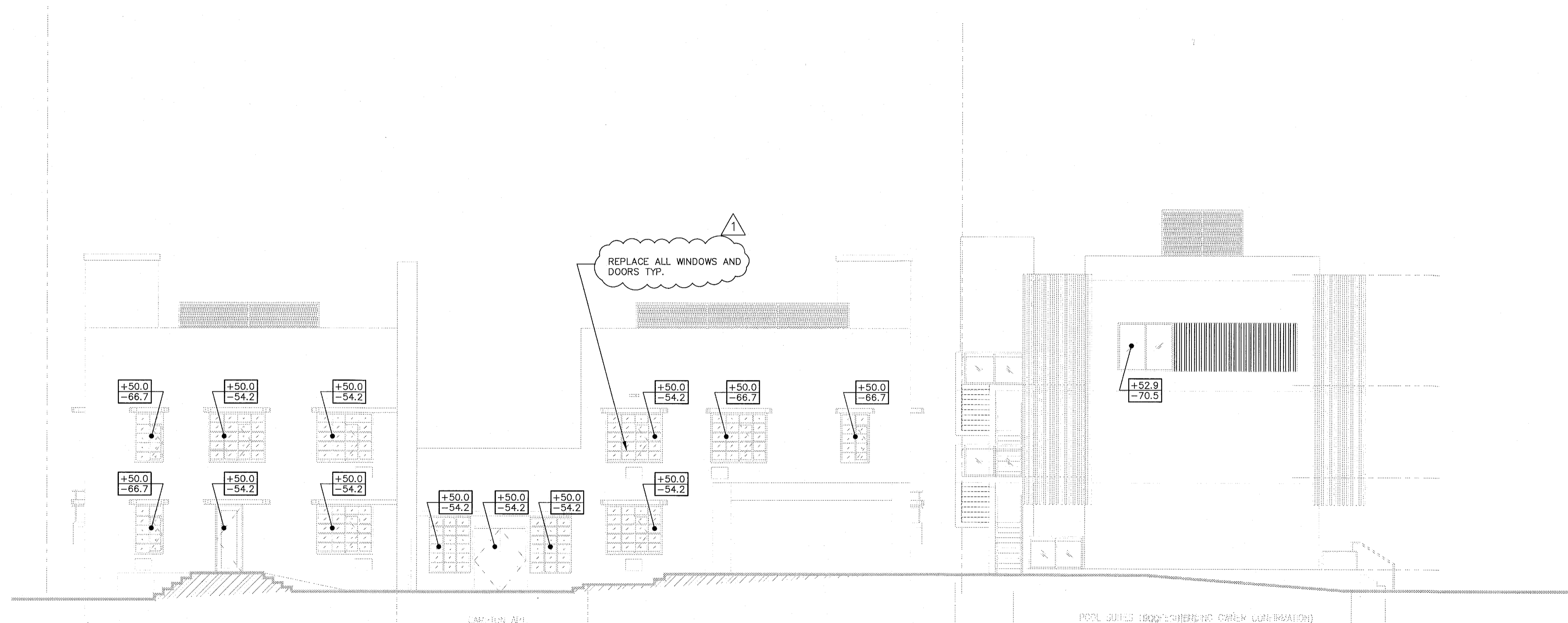
**S301**

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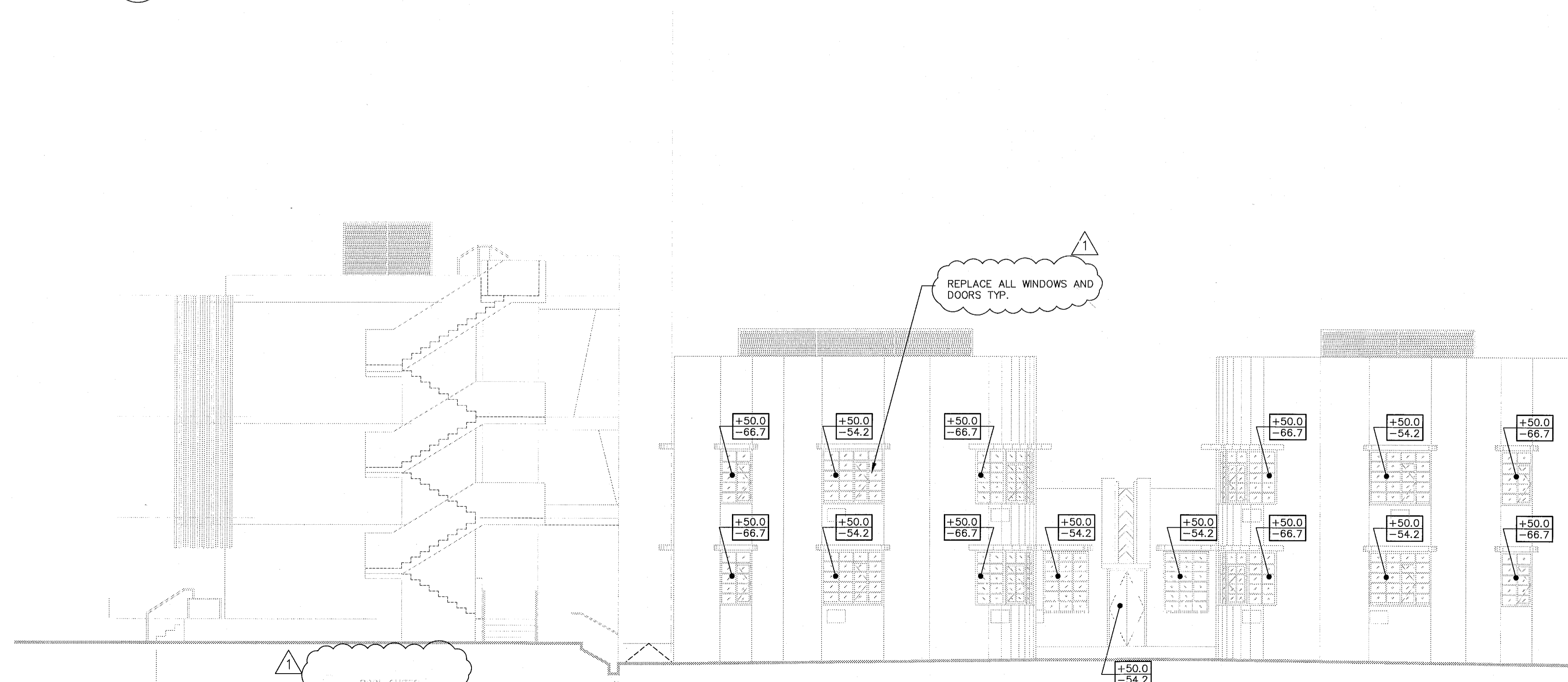




1 EXTERIOR NORTH CAMPTON FACADE  
SCALE: 1/8" = 1'-0"



2 EXTERIOR EAST CAMPTON AND POOL SUITES FACADE  
SCALE: 1/8" = 1'-0"



3 EXTERIOR WEST CAMPTON AND POOL SUITES FACADE  
SCALE: 1/8" = 1'-0"

REVISIONS		
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+ = ALLOWABLE PRESSURE IN PSF  
- = ALLOWABLE SUCTION IN PSF  
Kd = 0.85 INCLUDED  
EXPOSURE D  
Vasd = 139 MPH

PRIVATE CONTRACT DOCUMENT

DATE REVIEWED: 11/16/14

DATE: 11/16/14

**PERMIT SET**  
1/24/14

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IC. #0004368  
JOB # 665.073

JOB NUMBER: 13036.00  
CHECKED BY:  
ISSUE DATE: JANUARY 24, 2014  
SCALE: 1/8" = 1'-0"

SHEET TITLE

EXTERIOR ELEVATIONS

SHEET NUMBER

**S303**

STRUCTURAL NOTES

CONTRACTOR NOTE

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. O'DONNELL, NACCARATO, MIGNONIA & JACKSON, INC. IS NOT RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION OR FOR RELATED SAFETY PRECAUTIONS AND PROGRAMS.

CODES AND STANDARDS

- 1. WIND LOADS AS PER:
  - A. SECTION 1609 OF THE FLORIDA BUILDING CODE 2010 EDITION WITH AN ULTIMATE WIND SPEED (U) = 174 MPH (NORMAL WIND SPEED WSD = 136 MPH), FOR RISK CATEGORY 2, EXPOSURE D AND INTERNAL PRESSURE COEFFICIENT +/- 0.18.
  - B. THIS BUILDING IS DESIGNED AS AN ENCLOSED BUILDING.
  - C. ASCE 7-10 EDITION, WITH AN ULTIMATE WIND SPEED (U) = 174 MPH (NORMAL WIND SPEED WSD = 136 MPH), FOR RISK CATEGORY 2, EXPOSURE D AND INTERNAL PRESSURE COEFFICIENT +/- 0.18.
- 2. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:
  - A. FLORIDA BUILDING CODE 2010 EDITION.
  - B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318/LATEST EDITION).
  - C. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315/LATEST EDITION).
  - D. MANUAL OF STANDARD PRACTICE FOR WELDING REINFORCING STEEL, INSERTS & CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION, AWS, D1.4/LATEST EDITION.
  - E. SPECIFICATION FOR THE DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL BUILDINGS (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) AISC 360/9TH EDITION OR LRFD 3RD EDITION.
  - F. SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 301/LATEST EDITION.
  - G. NATIONAL DESIGN SPECIFICATION, WOOD CONSTRUCTION NDS/LATEST EDITION.
  - H. BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530, 530.1/ASCE 5, 7/SM 402, 602/LATEST EDITIONS).
  - I. ASCE 7-10.
- 3. ARCHITECTURAL AND MECHANICAL DRAWINGS:
  - A. THE STRUCTURAL DRAWINGS ARE PART OF THE CONTRACT DOCUMENTS AND DO NOT BY THEMSELVES PROVIDE ALL THE INFORMATION REQUIRED TO PROPERLY COMPLETE THE PROJECT STRUCTURE. THE GENERAL CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND COORDINATE THE INFORMATION CONTAINED IN THESE DRAWINGS WITH THE STRUCTURAL DRAWINGS TO PROPERLY CONSTRUCT THE PROJECT.
  - B. REFER TO ARCHITECTURAL, MECHANICAL OR ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS, DEPRESSIONS, FINISHES, INSERTS, BOLTS SETTINGS, DRAINS, REGISTS, ETC.
  - C. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS TO PROPERLY SIZE OR FIT THE WORK. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED BY THE OWNER RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.
  - D. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ANY WORK.
  - E. ALL STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LOADS LISTED ONLY AS COMPLETED STRUCTURES. THE GENERAL CONTRACTOR SHALL FULLY BRACE AND OTHERWISE PROTECT WORK IN PROGRESS UNTIL THE STRUCTURE IS COMPLETED. THE GENERAL CONTRACTOR SHALL ALSO INSURE THAT HIS OPERATIONS AND PROCEDURES DO NOT LOOSEN OR INCREASE THE DESIGN LOADS LISTED ON ANY MEMBER.
- 4. SECTIONS AND DETAILS:
  - A. ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE SHOWN.
  - 5. THRESHOLD INSPECTIONS SHALL BE PERFORMED DURING CONSTRUCTION OF THIS BUILDING AS REQUIRED BY SECTION 110.3.7 OF FBC.
  - 6. MATERIALS AND ASSEMBLY TEST AS FOLLOWS:
    - A. EXTERIOR WINDOWS, SLIDING AND PATIO GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING AGENCY. TESTS SHALL BE LABELED WITH AN APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND THE TESTING AGENCY. TESTING LABORATORY, EVALUATION ENGINEER OR FLORIDA STATE WIDE PRODUCT APPROVAL NUMBER INDICATING COMPLIANCE WITH THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:
      - ANSI/AMA/NWMA 101A.1.5, 2-97 OR TAS 202 (HZH SHALL COMPLY WITH TAS 202)
    - B. EXTERIOR DOOR ASSEMBLIES SHALL BE TESTED FOR STRUCTURAL INTEGRITY IN ACCORDANCE WITH ASTM E330 AT A LOAD OF 1.5 TIMES THE REQUIRED DESIGN PRESSURE LOAD. THE LOAD SHALL BE SUSTAINED FOR 10 SECONDS WITH NO PERMANENT DEFORMATION OF ANY MAIN FRAME OR PANEL MEMBER IN EXCESS OF 0.4 PERCENT OF ITS SPAN AFTER THE LOAD IS REMOVED. HZHS SHALL COMPLY WITH TAS 202 FOR EACH SPECIFIED LOADING. THERE SHALL BE NO GLASS BREAKAGE, PERMANENT DAMAGE TO FASTENERS, HARDWARE PARTS, OR ANY OTHER DAMAGE, WHICH CAUSES THE DOOR TO BE INOPERABLE.
    - C. CUSTOM (ONE OF A KIND) EXTERIOR DOOR ASSEMBLIES SHALL BE TESTED BY AN APPROVED TESTING LABORATORY OR BE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES.
    - D. WINDOW AND DOOR ASSEMBLIES SHALL BE ANCHORED IN ACCORDANCE WITH THE PUBLISHED MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE THE DESIGN PRESSURE SPECIFIED. SUBSTITUTIONS MUST BE APPROVED BY THE TESTING AGENCY. TESTING LABORATORY, EVALUATION ENGINEER OR GREATER ANCHORING PERFORMANCE AS DEMONSTRATED BY ACCEPTED ENGINEERING PRACTICE.
    - 7. ALL FASTENERS DESIGNATED, AS STAINLESS STEEL SHALL CONFORM TO A193 316 STAINLESS STEEL.

SHORING AND RESHORING

- 1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SHORING, BRACING AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION AND SEALED OFF FROM THE EXISTING STRUCTURE. THE DELEGATED ENGINEER EXPERIENCED IN SUCH WORK AND LICENSED IN THE STATE OF FLORIDA, SHALL PROVIDE DRAWINGS TO THE ARCHITECT, ENGINEER, SPECIAL INSPECTOR AND BUILDING OFFICIAL FOR RECORD ONLY. SHORING AND RESHORING DESIGN AND CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE ENGINEER IN HIS EMPLOY.
  - A. THE DELEGATED ENGINEER WHO PREPARES THE SHORING AND RESHORING DRAWINGS SHALL INSPECT THE SHORING AND RESHORING. HE SHALL PROVIDE A FIELD REPORT OF EACH INSPECTION TO THE CONTRACTOR AND ARCHITECT.
  - B. THE BRACING DETAILS OF THE EXTERIOR WALLS OF WHICH IN SOME CASES, THE ROOF DECK DIAPHRAGM AND ROOFING MEMBERS WILL BE REMOVED LEAVING THE EXTERIOR WALLS UNBRACED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HIRE A SPECIALTY SHORING AND BRACING ENGINEER TO PROVIDE THE REQUIRED DOCUMENTS FOR THIS EFFORT.
- 2. THE BUILDING SITE SHOULD BE EXCAVATED TO THE DEPTH AND EXTENT INDICATED IN THE SOILS REPORT. ALL SUBSEQUENT WORK SHALL BE APPROVED IN WRITING BY THE SOILS ENGINEER PRIOR TO BACKFILLING.
- 3. BOTTOM OF FOOTINGS TO BEAR ON:
  - A. CONTROLLED COMPACTED FILL CAPABLE OF SAFELY SUPPORTING 4000 PSF.
  - B. UNFILLED NATURAL SOILS.
  - C. SOILS SUPPORTING ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE COMMENCING WORK. APPROVAL IN WRITING MUST INDICATE THAT THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.
- 4. TOP OF ALL EXTERIOR FOOTINGS SHALL BE MINIMUM 4" BELOW EXTERIOR FINISH GRADE.
- 5. EXCAVATION & BACKFILL:
  - A. ALL EXCAVATION SHALL BE KEPT DRY. DE-WATERING WILL BE REQUIRED AND SHALL BE PROVIDED BY THE CONTRACTOR. THE DE-WATERING SHALL BE PROVIDED SO ALL EXCAVATIONS ARE DRY AND THE TESTING AGENCY CAN TAKE APPROPRIATE GEOTECHNICAL TESTS AND ALL OTHER REQUIREMENTS OF THE GEOTECHNICAL REPORT AND PROJECT CONSTRUCTION DOCUMENTS ARE MET. EXCAVATE TO THE DEPTHS AND DIMENSIONS INDICATED. TAKE EVERY PRECAUTION TO GUARD AGAINST ANY MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES, UTILITIES, PIPING, ETC.
  - B. PROVIDE ANCHOR OR SHORING NECESSARY TO AVOID SETTLEMENT OR DISPLACEMENT OF EXISTING AND NEW FOUNDATION OR STRUCTURES.
  - C. CENTERLINE OF FOOTINGS SHALL COINCIDE WITH CENTERLINE OF COLUMNS UNLESS OTHERWISE NOTED ON DRAWINGS.
  - D. DIMENSIONS: ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE VERIFIED AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS BY THE CONTRACTOR BEFORE PROCEEDING WITH THE CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER BEFORE PROCEEDING WITH ANY WORK.
  - E. DO NOT BACKFILL ANY BASEMENT WALLS UNTIL FIRST FLOOR IS IN PLACE OR THE WALLS ADEQUATELY BRACED.

CONCRETE

- 1. CONCRETE ELEMENTS TO HAVE THE FOLLOWING STRENGTHS:
  - A. FOUNDATIONS: 6000 PSI
  - B. SLAB-ON-GRADE: 4000 PSI
  - C. COLUMNS: 6000 PSI (U.N.O.)
  - D. WALLS: 4000 PSI
  - E. BEAMS: 6000 PSI
  - F. THE BEAMS: 6000 PSI
  - G. STRUCTURAL SLABS: 4000 PSI
  - H. MASONRY GROUT: 3000 PSI
- 2. ALL OTHER CONCRETE TO BE 6000 PSI UNLESS NOTED OTHERWISE.
- 3. ALL CONCRETE SHALL BE READY MIX AND MEET THE FOLLOWING REQUIREMENTS:
  - A. A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS AND HAVE A MINIMUM OF 517 LBS. OF CEMENT PER CUBIC YARD.
  - B. A MINIMUM COMPRESSIVE STRENGTH OF 6000 PS @ 28 DAYS AND HAVE A MINIMUM OF 507 LBS. OF CEMENT PER CUBIC YARD.
  - C. SLUMPS SHALL BE 3 INCH MINIMUM AND 5 INCH MAXIMUM.
  - D. JOBSITE WATER SHALL NOT BE ADDED.
  - E. CEMENT SHALL CONFORM WITH ASTM C150 TYPE 1, SLAG, ASTM C999 SHALL BE LIMITED TO 50% (BY WEIGHT) OF CEMENTitious MATERIAL AND FLY ASH, ASTM C618, CLASS F, SHALL BE LIMITED TO 25% (BY WEIGHT) OF CEMENTitious MATERIAL.
- 4. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318/LATEST EDITION), THE ACI DETAILING MANUAL (ACI 315/1984 EDITION), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301/LATEST EDITION).
- 5. SUBMIT ALL REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.
- 6. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY ACI SPECIFICATIONS AND AS FOLLOWS:
  - AT ALL CONCRETE CAST DIRECTLY AGAINST EARTH: 1"
  - AT ALL CONCRETE SLABS EXPOSED TO EXTERIOR ENVIRONMENT/WEATHER: 1.5"
  - AT ALL CONCRETE WALLS EXPOSED TO EXTERIOR ENVIRONMENT/WEATHER: 2"
  - AT ALL CONCRETE BEAMS/COLUMNS EXPOSED TO EXTERIOR ENVIRONMENT/WEATHER: 2.5"
- 7. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A-185, UNLESS OTHERWISE SPECIFIED. PLACE FABRIC 2" CLEAR FROM TOP OF THE SLAB IN SLAB ON GRADE AND SUPPORT SLABS MANUFACTURED SPACED AT 3'-0" O.C.
- 8. REQUIREMENTS:
  - A. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A 615 GRADE 60.
  - B. WVF SHALL COMPLY WITH ASTM A 185.
  - C. REINFORCING STEEL SHALL BE GALVANIZED CONFORMING TO ASTM A776.
  - D. REINFORCING STEEL SHALL BE GALVANIZED CONFORMING TO ASTM A776.
  - E. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH MICRO-CARBON (MNC) STEEL, REBAR, GRADE 100, CORROSION RESISTANT AND UNPAID STEEL REINFORCEMENT FOR CONCRETE CONSTRUCTION.
  - F. REINFORCING BARS:
    - A. AT CORNERS OF CONCRETE WALLS, BEAMS AND CONTINUOUS WALL FOOTINGS, PROVIDE #3 OR #4 LAYING HORIZONTAL BARS X 5'-0" BENT BAR FOR EACH HORIZONTAL BAR SCHEDULED AT EACH FACE.
    - B. WHERE COLUMNS ARE AN INTEGRAL PART OF CONCRETE WALLS, WALL REINFORCEMENT SHALL BE CONTINUOUS THRU THE COLUMNS.
    - C. ALL HOOKS SHOWN IN REINFORCEMENT SHALL BE ACI RECOMMENDED HOOKS UNLESS OTHERWISE NOTED.
    - D. FOR BALCONIES, SLABS AND WALKWAYS EXPOSED TO WEATHER ALL REINFORCING STEEL (TOP AND BOTTOM) AS WELL AS SPACERS AND OTHER DEVICES FOR SPACING, SUPPORTING AND FASTENING REINFORCING SHALL BE GALVANIZED CONFORMING TO ASTM A776. BOLSTERS AND CHAIRS TO BE PLASTIC. CONCRETE PLACED IN THESE AREAS TO HAVE 40 W/C RATIO MAXIMUM AND CONTAIN 2.5 GALLONS OF CALCIUM NITRATE PER CUBIC YARD. REBAR COVER TO BE 1.5" MINIMUM.
    - E. CONTRACTOR SHALL INCLUDE IN HIS BASE BID THE COST OF 4 TONS OF ADDITIONAL REINFORCING STEEL, INCLUDING DETAILING, FABRICATION, BENDING, FURNISHING, AND PLACING THIS EXTRA STOCK SHALL BE FURNISHED AND USED FOR SPECIAL CONDITIONS AS DIRECTED BY THE ARCHITECT, THE ARCHITECT'S AGENT OR BY THE OWNER'S CONSTRUCTION SUPERVISOR. THE PRICE OF THE UNUSED EXTRA STOCK SHALL BE CREDITED TO THE OWNER'S ACCOUNT.

STEEL

- 1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE. STRUCTURAL STEEL SHALL CONFORM TO:
  - A. ASTM SPECIFICATION A 992 GRADE 50 FOR ALL WIDE FLANGE BEAMS.
  - B. ASTM SPECIFICATION A 36 FOR MISCELLANEOUS STEEL SHAPES (ANGLES, PLATES, ETC.) AS FOLLOWS:
    - SQUARE OR RECTANGULAR HSS SHALL CONFORM TO ASTM SPECIFICATION A 500 GRADE B (F746-48).
  - C. ALL STEEL TO HAVE A SHOP COAT OF RUST INHIBITIVE PAINT.
  - D. DELETE PAINT ON ALL STEEL TO RECEIVE SPRAYED ON FERRUGINOUS OR CONCRETE ENCASEMENT.
  - E. ALL MILL CAMBER TO BE ORIENTED UPWARD DURING FABRICATION AND ERECTION.
  - F. ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" (AWS D1.1), TO PERFORM THE TYPE OF WORK REQUIRED.
  - G. ALL CONNECTIONS SHALL BE BOLTED WITH 3/4" DIAMETER, A325 HIGH STRENGTH BOLTS OR WELDED (UNLESS SHOWN OTHERWISE ON THE DRAWINGS).
  - H. ALL FULL CAMBER TO BE ORIENTED UPWARD DURING FABRICATION AND ERECTION.
  - I. ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" (AWS D1.1), TO PERFORM THE TYPE OF WORK REQUIRED.
- 2. ALL CONNECTIONS SHALL BE BOLTED WITH 3/4" DIAMETER, A325 HIGH STRENGTH BOLTS OR WELDED (UNLESS SHOWN OTHERWISE ON THE DRAWINGS).
- 3. ALL CONNECTIONS SHALL BE DOUBLE ANGLES UNLESS NOTED OTHERWISE.
- 4. ALL ALUMINUM AND STEEL MEMBERS TO BE TREATED OR PROPERLY SEPARATED TO PREVENT GALVANIC AND CORROSIVE EFFECTS.
- 5. ALL STEEL WELDING RODS SHALL BE E70XX ELECTRODES.
- 6. SUBMIT ALL STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.
- 7. STAINLESS STEEL SHALL CONFORM TO THE LATEST AISC CODE. STAINLESS STEEL ROD MATERIAL SHALL MEET THE REQUIREMENTS OF ASTM A308 (AISI 304) STAINLESS STEEL BARS. MEET AND EXCEED A193 316/LATEST EDITION, TYPE A PLAIN, REQUIREMENTS. STAINLESS STEEL NUTS SHALL MEET ASTM F304 REQUIREMENTS.
- 8. EQUIPMENT SUPPORTS:
  - PROVIDE ALL SUPPORTING STEEL NOT INDICATED ON PLAN AS REQUIRED FOR THE INSTALLATION OF MECHANICAL EQUIPMENT AND MATERIALS INCLUDING ANGLES, CHANNELS, BEAMS, HANGERS, ETC. DO NOT SUPPORT EQUIPMENT OR PIPING FROM METAL BEAMS.
- 9. CONTRACTOR SHALL INCLUDE IN HIS BASE BID THE COST OF 2 TONS OF ADDITIONAL STRUCTURAL STEEL (MEMBERS OVER 10 LBS. PER FOOT) AND 2 TONS OF MISCELLANEOUS STEEL (MEMBERS UNDER 10 LBS. PER FOOT) OR LESS INCLUDING PREFABRICATED METAL ROOF BRUSSES, BRACING, DETAILING, FABRICATION, CLEANING, PAINTING, DELIVERY AND ERECTION. THIS EXTRA STOCK SHALL BE FURNISHED AND USED FOR SPECIAL CONDITIONS AS DIRECTED BY THE ARCHITECT, THE ARCHITECT'S AGENT OR BY THE OWNER'S CONSTRUCTION SUPERVISOR. THE PRICE OF THE UNUSED EXTRA STOCK SHALL BE CREDITED TO THE OWNER'S ACCOUNT.

WOOD

- 1. ALL STRUCTURAL WOOD MEMBERS ARE DESIGNED AS "DRY-USE". MOISTURE CONTENT MUST BE 19% OR LESS. STORE WOOD AROUND GROUND AND UNDER TERPS WITH PROPER AIR CIRCULATION.
- 2. ALL LUMBER SHALL BE SOUTHERN PINE SPECIES #2 GRADE OR APPROVED EQUAL. ALLOWABLE DESIGN STRESSES SHALL FOLLOW NATIONAL DESIGN SPECIFICATION (NDS) (LATEST EDITION).
- 3. HEADERS AT NON BEARING CONDITIONS SHALL BE AS FOLLOWS:
  - OPENING SIZE: (1) 2" x 4" (2) 2" x 5" (3) 2" x 6"
  - HEADER: (1) 2" x 4" (2) 2" x 5" (3) 2" x 6"
  - SPACING: (1) 2" x 4" (2) 2" x 5" (3) 2" x 6"
- 4. PROVIDE SP ACQ PRESSURE TREATED LUMBER IN ACCORDANCE WITH AWPA STANDARDS TO A MINIMUM 0.40 PBF PROTECTION WHERE LUMBER IS IN CONTACT WITH CONCRETE/MASONRY OR OUTSIDE OF BUILDING. ALL METAL CONNECTORS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE GALVANIZED WITH A RATING OF C-185 AND CONFORM TO ASTM A653. ALL NAILS AND SCREWS USED WITH PRESSURE TREATED LUMBER ARE TO BE HOT-DIP GALVANIZED AND TO CONFORM TO ASTM A153 CLASS D. ELECTRO GALVANIZED FASTENERS SHALL HAVE A CLASS RATING PER ASTM B899 NO LESS THAN 55. ALUMINUM NOT TO BE USED IN DIRECT CONTACT WITH ACQ TREATED LUMBER.
- 5. PLYWOOD SHEATHING:
  - A. FLOOR: Use 3/4" TAG APA 244c STURD-I-FLOOR, EXP. 1, PLYWOOD SUB-FLOOR SHEATHING.
  - B. WALL: Use 1/2" APA 3216 RATED, STRUCTURAL, 1, EXP. 1, PLYWOOD SHEATHING.
- 6. WOOD CONNECTIONS: ALL WAILS USED FOR STRUCTURAL FURNISHING MEMBERS SHALL BE COMMON WIRE (U.N.O.). ALL NAILS, TRUSS HANGERS, TRUSS ANCHORS AND STRAPS SHALL BE GALVANIZED FOR CORROSIVE RESISTANCE. ALL METAL STRAPS MUST BE INSTALLED WITH EQUAL LENGTHS ABOUT THE JOINT LINE. USE SIMPSON STRONG-TIE CONNECTOR PRODUCTS OR APPROVED EQUAL. THE NAILING WILL NOT BE PERMITTED.

SHOP DRAWINGS

- 1. THE SHOP DRAWINGS SHALL BE SUBMITTED IN COMPLETE PACKAGES FOR THE FOLLOWING:
  - A. CONCRETE MIX DESIGNS
  - B. CONCRETE REINFORCING STEEL AND WELDED WIRE FABRIC
  - C. STRUCTURAL STEEL
  - D. HELICAL PILE SYSTEM
- 2. PRE-ENGINEERED PARTS SHALL BE SUBMITTED SIGNED AND SEALED BY A SPECIALTY ENGINEER REGISTERED IN THE STATE OF FLORIDA.

DEMOLITION

- 1. CONTRACTOR TO:
  - A. OBTAIN DEMOLITION PERMIT BEFORE PROCEEDING WITH THE WORK. CONTACT LOCAL BUILDING AUTHORITIES TO BECOME FAMILIAR WITH LOCAL LAWS AND REGULATIONS GOVERNING THIS WORK.
  - B. PROVIDE THE NECESSARY LABOR, MATERIAL, SCAFFOLDING AND EQUIPMENT REQUIRED TO COMPLETE DEMOLITION AS DESCRIBED IN THE DRAWINGS.
  - C. DISCONNECT ALL ELECTRICAL, PLUMBING AND AIR CONDITIONING SYSTEMS WITHIN THE AREA TO BE DEMOLISHED BEFORE PROCEEDING WITH DEMOLITION WORK.
  - D. DEMOLISH ONLY THE MEMBERS INDICATED IN THE DRAWINGS. DEMOLISH CONCRETE MEMBERS IN SMALL SECTIONS. TAKE EVERY PRECAUTION TO PROTECT EXISTING STRUCTURE THAT IS TO REMAIN. USE BRACING AND SHORING AS NECESSARY TO AVOID COLLAPSE OF STRUCTURE.
  - E. REMOVE ALL RUBBISH AND DEBRIS FROM BUILDING AND FROM PROPERTY.

MASONRY

- 1. MASONRY UNITS SHALL BE:
  - A. LOAD BEARING ASTM C90
  - B. TYPE I NON-MOISTURE CONTROLLED
  - C. NORMAL WEIGHT
- 2. THE COMpressive STRENGTH OF MASONRY (F<sub>m</sub>) SHALL BE 1,500 PSI AS CALCULATED IN ACCORDANCE WITH SECTION 1905 OF THE SPECIFICATIONS.
- 3. ALL MORTAR SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION C270.
- 4. FROM FIELD OBTAINED TEST CUBES. (MIN. OF TWO)
- 5. GROUT SHALL BE A HIGH SLUMP MIX
  - A. IN ACCORDANCE WITH ASTM SPECIFICATION 3000
  - B. HAVING A MINIMUM COMPRESSIVE STRENGTH OF 3,400 PSI
  - C. FROM FIELD OBTAINED TEST CUBES. (MIN. OF TWO)
- 6. ALL CONCRETE MASONRY BEARING AND SHEAR WALLS SHALL BE:
  - A. CONSTRUCTED
  - B. INSPECTED BY A CERTIFIED INSPECTION COMPANY AND CONSTRUCTED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENT FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/7SM 402) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/7SM 402) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/7SM 402)/LATEST EDITIONS.
- 7. PROVIDE 8" X 8" MASONRY BEAM WITH 2 #3 CONT. AT EVERY WINDOW SILL. EXTEND BEAM 6" BEYOND EDGE OF OPENING.
- 8. PROVIDE HOT DIPPED GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCEMENT (9 GA.) AT 16" ON CENTER VERTICAL IN ALL MASONRY WALLS. PROVIDE DOVE TAIL ANCHORS AT CONCRETE COLUMNS.
- 9. CONNECT MULTI-WYTHE WALLS AS FOLLOWS:
  - PROVIDE DOUBLE SPOKE ROD--ADOUR TYPE HORIZONTAL JOINT REINFORCEMENT AT 16" O.C.
  - PROVIDE 1 1/2" WIDE 16 GAGE CORRUGATED MASONRY ANCHOR WITH 1/4" DIAMETER TAPCON, WITH 1/2" EMBED, AT 24" O.C. HORIZONTAL AND 16" O.C. VERTICAL.
  - FOR JOINT REINFORCEMENT, WALL TIES, ANCHORS AND INSERTS, APPLY A MINIMUM COAT OF 1.5 OUNCES PER SQUARE FOOT (PSF) (458/G/M2) COMPLY WITH THE REQUIREMENTS OF ASTM A153, CLASS B.
- 10. EPOXY GROUT SHALL BE NON-SHRIK HIGH CREEP RESISTANT, AND SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE PROPERTIES:
  - TENSILE STRENGTH: ASTM C 20, 1500 PSI
  - FLEXURAL STRENGTH: ASTM C 580, 4000 PSI
  - COMPRESSIVE STRENGTH: ASTM C 579, 1600 PSI/7 DAYS.
- 11. MINIMUM LAP SPACES FOR REINFORCED CMU AS FOLLOWS:
  - #4: 24" #5: 36" #6: 42" #8: 48"

FOUNDATION

- 1. ALL SITE PREPARATION AND EXCAVATION WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE FOLLOWING:
  - A. REPORT ON SOILS AND FOUNDATION INVESTIGATION PREPARED BY ARDAMAN AND ASSOCIATES.
  - B. THE BUILDING SITE SHOULD BE EXCAVATED TO THE DEPTH AND EXTENT INDICATED IN THE SOILS REPORT. ALL SUBSEQUENT WORK SHALL BE APPROVED IN WRITING BY THE SOILS ENGINEER PRIOR TO BACKFILLING.
  - C. BOTTOM OF FOOTINGS TO BEAR ON:
    - A. CONTROLLED COMPACTED FILL CAPABLE OF SAFELY SUPPORTING 4000 PSF.
    - B. UNFILLED NATURAL SOILS.
    - C. SOILS SUPPORTING ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE COMMENCING WORK. APPROVAL IN WRITING MUST INDICATE THAT THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.
  - D. TOP OF ALL EXTERIOR FOOTINGS SHALL BE MINIMUM 4" BELOW EXTERIOR FINISH GRADE.
  - E. EXCAVATION & BACKFILL:
    - A. ALL EXCAVATION SHALL BE KEPT DRY. DE-WATERING WILL BE REQUIRED AND SHALL BE PROVIDED BY THE CONTRACTOR. THE DE-WATERING SHALL BE PROVIDED SO ALL EXCAVATIONS ARE DRY AND THE TESTING AGENCY CAN TAKE APPROPRIATE GEOTECHNICAL TESTS AND ALL OTHER REQUIREMENTS OF THE GEOTECHNICAL REPORT AND PROJECT CONSTRUCTION DOCUMENTS ARE MET. EXCAVATE TO THE DEPTHS AND DIMENSIONS INDICATED. TAKE EVERY PRECAUTION TO GUARD AGAINST ANY MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES, UTILITIES, PIPING, ETC.
    - B. PROVIDE ANCHOR OR SHORING NECESSARY TO AVOID SETTLEMENT OR DISPLACEMENT OF EXISTING AND NEW FOUNDATION OR STRUCTURES.
    - C. CENTERLINE OF FOOTINGS SHALL COINCIDE WITH CENTERLINE OF COLUMNS UNLESS OTHERWISE NOTED ON DRAWINGS.
    - D. DIMENSIONS: ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE VERIFIED AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS BY THE CONTRACTOR BEFORE PROCEEDING WITH THE CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER BEFORE PROCEEDING WITH ANY WORK.
    - E. DO NOT BACKFILL ANY BASEMENT WALLS UNTIL FIRST FLOOR IS IN PLACE OR THE WALLS ADEQUATELY BRACED.
- 2. CONCRETE ELEMENTS TO HAVE THE FOLLOWING STRENGTHS:
  - A. FOUNDATIONS: 6000 PSI
  - B. SLAB-ON-GRADE: 4000 PSI
  - C. COLUMNS: 6000 PSI (U.N.O.)
  - D. WALLS: 4000 PSI
  - E. BEAMS: 6000 PSI
  - F. THE BEAMS: 6000 PSI
  - G. STRUCTURAL SLABS: 4000 PSI
  - H. MASONRY GROUT: 3000 PSI
- 3. ALL CONCRETE SHALL BE READY MIX AND MEET THE FOLLOWING REQUIREMENTS:
  - A. A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS AND HAVE A MINIMUM OF 517 LBS. OF CEMENT PER CUBIC YARD.
  - B. A MINIMUM COMPRESSIVE STRENGTH OF 6000 PS @ 28 DAYS AND HAVE A MINIMUM OF 507 LBS. OF CEMENT PER CUBIC YARD.
  - C. SLUMPS SHALL BE 3 INCH MINIMUM AND 5 INCH MAXIMUM.
  - D. JOBSITE WATER SHALL NOT BE ADDED.
  - E. CEMENT SHALL CONFORM WITH ASTM C150 TYPE 1, SLAG, ASTM C999 SHALL BE LIMITED TO 50% (BY WEIGHT) OF CEMENTitious MATERIAL AND FLY ASH, ASTM C618, CLASS F, SHALL BE LIMITED TO 25% (BY WEIGHT) OF CEMENTitious MATERIAL.
- 4. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318/LATEST EDITION), THE ACI DETAILING MANUAL (ACI 315/1984 EDITION), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301/LATEST EDITION).
- 5. SUBMIT ALL REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.
- 6. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY ACI SPECIFICATIONS AND AS FOLLOWS:
  - AT ALL CONCRETE CAST DIRECTLY AGAINST EARTH: 1"
  - AT ALL CONCRETE SLABS EXPOSED TO EXTERIOR ENVIRONMENT/WEATHER: 1.5"
  - AT ALL CONCRETE WALLS EXPOSED TO EXTERIOR ENVIRONMENT/WEATHER: 2"
  - AT ALL CONCRETE BEAMS/COLUMNS EXPOSED TO EXTERIOR ENVIRONMENT/WEATHER: 2.5"
- 7. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A-185, UNLESS OTHERWISE SPECIFIED. PLACE FABRIC 2" CLEAR FROM TOP OF THE SLAB IN SLAB ON GRADE AND SUPPORT SLABS MANUFACTURED SPACED AT 3'-0" O.C.
- 8. REQUIREMENTS:
  - A. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A 615 GRADE 60.
  - B. WVF SHALL COMPLY WITH ASTM A 185.
  - C. REINFORCING STEEL SHALL BE GALVANIZED CONFORMING TO ASTM A776.
  - D. REINFORCING STEEL SHALL BE GALVANIZED CONFORMING TO ASTM A776.
  - E. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH MICRO-CARBON (MNC) STEEL, REBAR, GRADE 100, CORROSION RESISTANT AND UNPAID STEEL REINFORCEMENT FOR CONCRETE CONSTRUCTION.
  - F. REINFORCING BARS:
    - A. AT CORNERS OF CONCRETE WALLS, BEAMS AND CONTINUOUS WALL FOOTINGS, PROVIDE #3 OR #4 LAYING HORIZONTAL BARS X 5'-0" BENT BAR FOR EACH HORIZONTAL BAR SCHEDULED AT EACH FACE.
    - B. WHERE COLUMNS ARE AN INTEGRAL PART OF CONCRETE WALLS, WALL REINFORCEMENT SHALL BE CONTINUOUS THRU THE COLUMNS.
    - C. ALL HOOKS SHOWN IN REINFORCEMENT SHALL BE ACI RECOMMENDED HOOKS UNLESS OTHERWISE NOTED.
    - D. FOR BALCONIES, SLABS AND WALKWAYS EXPOSED TO WEATHER ALL REINFORCING STEEL (TOP AND BOTTOM) AS WELL AS SPACERS AND OTHER DEVICES FOR SPACING, SUPPORTING AND FASTENING REINFORCING SHALL BE GALVANIZED CONFORMING TO ASTM A776. BOLSTERS AND CHAIRS TO BE PLASTIC. CONCRETE PLACED IN THESE AREAS TO HAVE 40 W/C RATIO MAXIMUM AND CONTAIN 2.5 GALLONS OF CALCIUM NITRATE PER CUBIC YARD. REBAR COVER TO BE 1.5" MINIMUM.
    - E. CONTRACTOR SHALL INCLUDE IN HIS BASE BID THE COST OF 4 TONS OF ADDITIONAL REINFORCING STEEL, INCLUDING DETAILING, FABRICATION, BENDING, FURNISHING, AND PLACING THIS EXTRA STOCK SHALL BE FURNISHED AND USED FOR SPECIAL CONDITIONS AS DIRECTED BY THE ARCHITECT, THE ARCHITECT'S AGENT OR BY THE OWNER'S CONSTRUCTION SUPERVISOR. THE PRICE OF THE UNUSED EXTRA STOCK SHALL BE CREDITED TO THE OWNER'S ACCOUNT.

STEEL

- 1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE. STRUCTURAL STEEL SHALL CONFORM TO:
  - A. ASTM SPECIFICATION A 992 GRADE 50 FOR ALL WIDE FLANGE BEAMS.
  - B. ASTM SPECIFICATION A 36 FOR MISCELLANEOUS STEEL SHAPES (ANGLES, PLATES, ETC.) AS FOLLOWS:
    - SQUARE OR RECTANGULAR HSS SHALL CONFORM TO ASTM SPECIFICATION A 500 GRADE B (F746-48).
  - C. ALL STEEL TO HAVE A SHOP COAT OF RUST INHIBITIVE PAINT.
  - D. DELETE PAINT ON ALL STEEL TO RECEIVE SPRAYED ON FERRUGINOUS OR CONCRETE ENCASEMENT.
  - E. ALL MILL CAMBER TO BE ORIENTED UPWARD DURING FABRICATION AND ERECTION.
  - F. ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" (AWS D1.1), TO PERFORM THE TYPE OF WORK REQUIRED.
  - G. ALL CONNECTIONS SHALL BE BOLTED WITH 3/4" DIAMETER, A325 HIGH STRENGTH BOLTS OR WELDED (UNLESS SHOWN OTHERWISE ON THE DRAWINGS).
  - H. ALL FULL CAMBER TO BE ORIENTED UPWARD DURING FABRICATION AND ERECTION.
  - I. ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" (AWS D1.1), TO PERFORM THE TYPE OF WORK REQUIRED.
- 2. ALL CONNECTIONS SHALL BE BOLTED WITH 3/4" DIAMETER, A325 HIGH STRENGTH BOLTS OR WELDED (UNLESS SHOWN OTHERWISE ON THE DRAWINGS).
- 3. ALL CONNECTIONS SHALL BE DOUBLE ANGLES UNLESS NOTED OTHERWISE.
- 4. ALL ALUMINUM AND STEEL MEMBERS TO BE TREATED OR PROPERLY SEPARATED TO PREVENT GALVANIC AND CORROSIVE EFFECTS.
- 5. ALL STEEL WELDING RODS SHALL BE E70XX ELECTRODES.
- 6. SUBMIT ALL STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.
- 7. STAINLESS STEEL SHALL CONFORM TO THE LATEST AISC CODE. STAINLESS STEEL ROD MATERIAL SHALL MEET THE REQUIREMENTS OF ASTM A308 (AISI 304) STAINLESS STEEL BARS. MEET AND EXCEED A193 316/LATEST EDITION, TYPE A PLAIN, REQUIREMENTS. STAINLESS STEEL NUTS SHALL MEET ASTM F304 REQUIREMENTS.
- 8. EQUIPMENT SUPPORTS:
  - PROVIDE ALL SUPPORTING STEEL NOT INDICATED ON PLAN AS REQUIRED FOR THE INSTALLATION OF MECHANICAL EQUIPMENT AND MATERIALS INCLUDING ANGLES, CHANNELS, BEAMS, HANGERS, ETC. DO NOT SUPPORT EQUIPMENT OR PIPING FROM METAL BEAMS.
- 9. CONTRACTOR SHALL INCLUDE IN HIS BASE BID THE COST OF 2 TONS OF ADDITIONAL STRUCTURAL STEEL (MEMBERS OVER 10 LBS. PER FOOT) AND 2 TONS OF MISCELLANEOUS STEEL (MEMBERS UNDER 10 LBS. PER FOOT) OR LESS INCLUDING PREFABRICATED METAL ROOF BRUSSES, BRACING, DETAILING, FABRICATION, CLEANING, PAINTING, DELIVERY AND ERECTION. THIS EXTRA STOCK SHALL BE FURNISHED AND USED FOR SPECIAL CONDITIONS AS DIRECTED BY THE ARCHITECT, THE ARCHITECT'S AGENT OR BY THE OWNER'S CONSTRUCTION SUPERVISOR. THE PRICE OF THE UNUSED EXTRA STOCK SHALL BE CREDITED TO THE OWNER'S ACCOUNT.

WOOD

- 1. ALL STRUCTURAL WOOD MEMBERS ARE DESIGNED AS "DRY-USE". MOISTURE CONTENT MUST BE 19% OR LESS. STORE WOOD AROUND GROUND AND UNDER TERPS WITH PROPER AIR CIRCULATION.
- 2. ALL LUMBER SHALL BE SOUTHERN PINE SPECIES #2 GRADE OR APPROVED EQUAL. ALLOWABLE DESIGN STRESSES SHALL FOLLOW NATIONAL DESIGN SPECIFICATION (NDS) (LATEST EDITION).
- 3. HEADERS AT NON BEARING CONDITIONS SHALL BE AS FOLLOWS:
  - OPENING SIZE: (1) 2" x 4" (2) 2" x 5" (3) 2" x 6"
  - HEADER: (1) 2" x 4" (2) 2" x 5" (3) 2" x 6"
  - SPACING: (1) 2" x 4" (2) 2" x 5" (3) 2" x 6"
- 4. PROVIDE SP ACQ PRESSURE TREATED LUMBER IN ACCORDANCE WITH AWPA STANDARDS TO A MINIMUM 0.40 PBF PROTECTION WHERE LUMBER IS IN CONTACT WITH CONCRETE/MASONRY OR OUTSIDE OF BUILDING. ALL METAL CONNECTORS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE GALVANIZED WITH A RATING OF C-185 AND CONFORM TO ASTM A653. ALL NAILS AND SCREWS USED WITH PRESSURE TREATED LUMBER ARE TO BE HOT-DIP GALVANIZED AND TO CONFORM TO ASTM A153 CLASS D. ELECTRO GALVANIZED FASTENERS SHALL HAVE A CLASS RATING PER ASTM B899 NO LESS THAN 55. ALUMINUM NOT TO BE USED IN DIRECT CONTACT WITH ACQ TREATED LUMBER.
- 5. PLYWOOD SHEATHING:
  - A. FLOOR: Use 3/4" TAG APA 244c STURD-I-FLOOR, EXP. 1, PLYWOOD SUB-FLOOR SHEATHING.
  - B. WALL: Use 1/2" APA 3216 RATED, STRUCTURAL, 1, EXP. 1, PLYWOOD SHEATHING.
- 6. WOOD CONNECTIONS: ALL WAILS USED FOR STRUCTURAL FURNISHING MEMBERS SHALL BE COMMON WIRE (U.N.O.). ALL NAILS, TRUSS HANGERS, TRUSS ANCHORS AND STRAPS SHALL BE GALVANIZED FOR CORROSIVE RESISTANCE. ALL METAL STRAPS MUST BE INSTALLED WITH EQUAL LENGTHS ABOUT THE JOINT LINE. USE SIMPSON STRONG-TIE CONNECTOR PRODUCTS OR APPROVED EQUAL. THE NAILING WILL NOT BE PERMITTED.

SHOP DRAWINGS

- 1. THE SHOP DRAWINGS SHALL BE SUBMITTED IN COMPLETE PACKAGES FOR THE FOLLOWING:
  - A. CONCRETE MIX DESIGNS
  - B. CONCRETE REINFORCING STEEL AND WELDED WIRE FABRIC
  - C. STRUCTURAL STEEL
  - D. HELICAL PILE SYSTEM
- 2. PRE-ENGINEERED PARTS SHALL BE SUBMITTED SIGNED AND SEALED BY A SPECIALTY ENGINEER REGISTERED IN THE STATE OF FLORIDA.

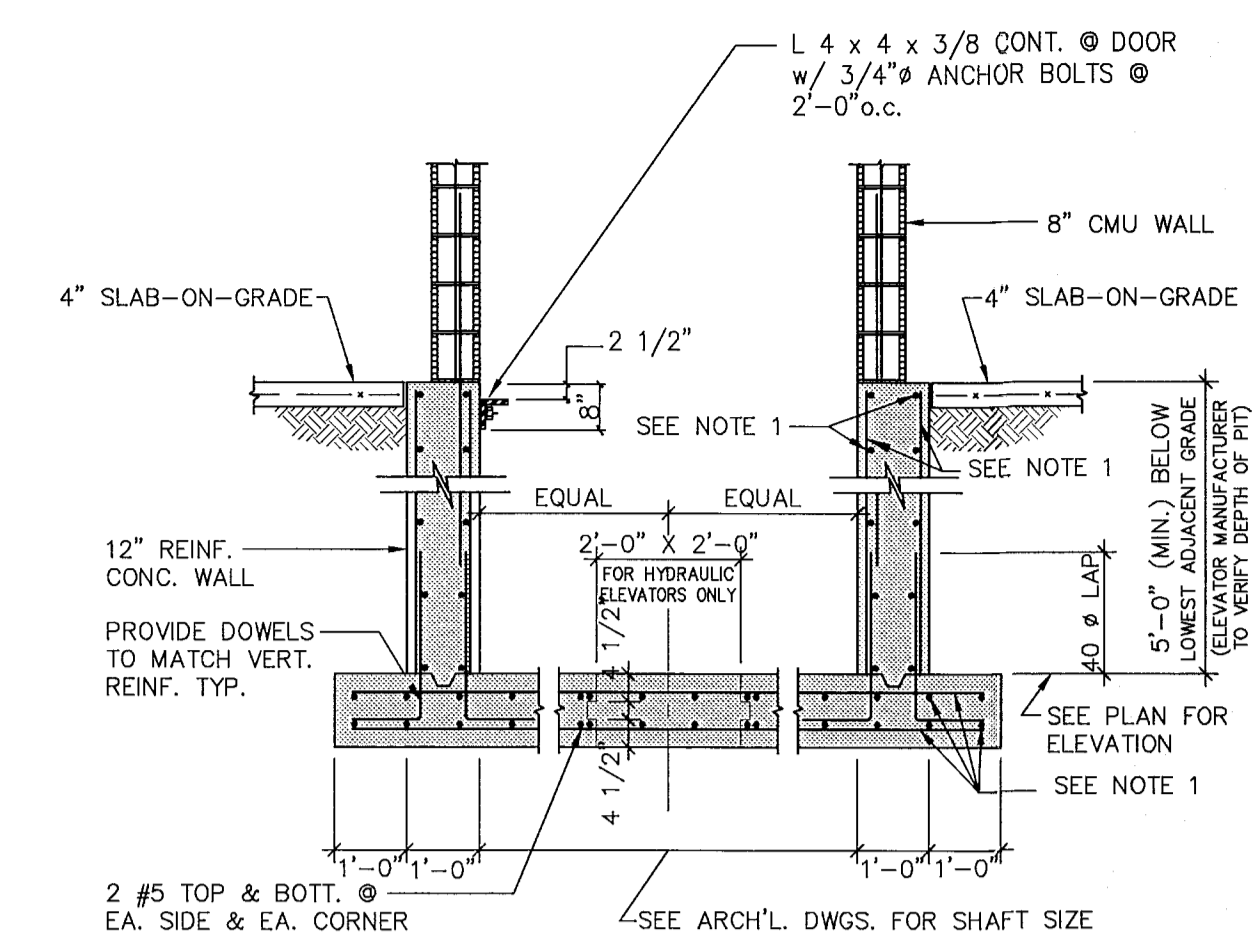
DEMOLITION

- 1. CONTRACTOR TO:
  - A. OBTAIN DEMOLITION PERMIT BEFORE PROCEEDING WITH THE WORK. CONTACT LOCAL BUILDING AUTHORITIES TO BECOME FAMILIAR WITH LOCAL LAWS AND REGULATIONS GOVERNING THIS WORK.
  - B. PROVIDE THE NECESSARY LABOR, MATERIAL, SCAFFOLDING AND EQUIPMENT REQUIRED TO COMPLETE DEMOLITION AS DESCRIBED IN THE DRAWINGS.
  - C. DISCONNECT ALL ELECTRICAL, PLUMBING AND AIR CONDITIONING SYSTEMS WITHIN THE AREA TO BE DEMOLISHED BEFORE PROCEEDING WITH DEMOLITION WORK.
  - D. DEMOLISH ONLY THE MEMBERS INDICATED IN THE DRAWINGS. DEMOLISH CONCRETE MEMBERS IN SMALL SECTIONS. TAKE EVERY PRECAUTION TO PROTECT EXISTING STRUCTURE THAT IS TO REMAIN. USE BRACING AND SHORING AS NECESSARY TO AVOID COLLAPSE OF STRUCTURE.
  - E. REMOVE ALL RUBBISH AND DEBRIS FROM BUILDING AND FROM PROPERTY.

MASONRY

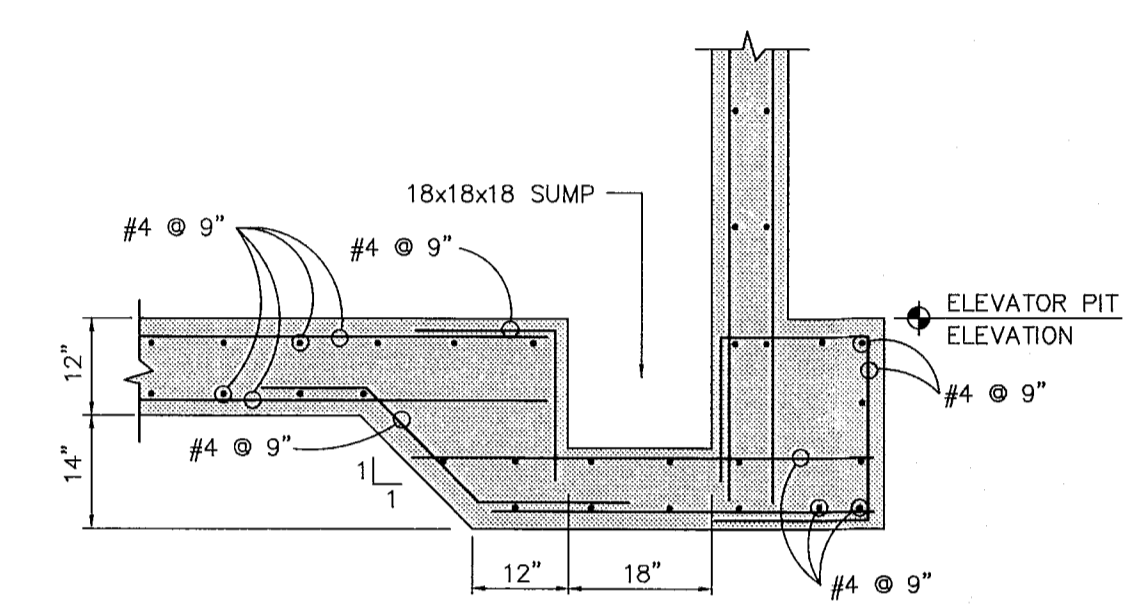
- 1. MASONRY UNITS SHALL BE:
  - A. LOAD BEARING ASTM C90
  - B. TYPE I NON-MOISTURE CONTROLLED
  - C. NORMAL WEIGHT
- 2. THE COMpressive STRENGTH OF MASONRY (F<sub>m</sub>) SHALL BE 1,500 PSI AS CALCULATED IN ACCORDANCE WITH SECTION 1905 OF THE SPECIFICATIONS.
- 3. ALL MORTAR SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION C270.
- 4. FROM FIELD OBTAINED TEST CUBES. (MIN. OF TWO)
- 5. GROUT SHALL BE A HIGH SLUMP MIX
  - A. IN ACCORDANCE WITH ASTM SPECIFICATION 3000
  - B. HAVING A MINIMUM COMPRESSIVE STRENGTH OF 3,400 PSI
  - C. FROM FIELD OBTAINED TEST CUBES. (MIN. OF TWO)
- 6. ALL CONCRETE MASONRY BEARING AND SHEAR WALLS SHALL BE:
  - A. CONSTRUCTED
  - B. INSPECTED BY A CERTIFIED INSPECTION COMPANY AND CONSTRUCTED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENT FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/7SM 402) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/7SM 402) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/7SM 402)/LATEST EDITIONS.
- 7. PROVIDE 8" X 8" MASONRY BEAM WITH 2 #3 CONT. AT EVERY WINDOW SILL. EXTEND BEAM 6" BEYOND EDGE OF OPENING.
- 8. PROVIDE HOT DIPPED GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCEMENT (9 GA.) AT 16" ON CENTER VERTICAL IN ALL MASONRY WALLS. PROVIDE DOVE TAIL ANCHORS AT CONCRETE COLUMNS.
- 9. CONNECT MULTI-WYTHE WALLS AS FOLLOWS:
  - PROVIDE DOUBLE SPOKE ROD--ADOUR TYPE HORIZONTAL JOINT REINFORCEMENT AT 16" O.C.
  - PROVIDE 1 1/2" WIDE 16 GAGE CORRUGATED MASONRY ANCHOR WITH 1/4" DIAMETER TAPCON, WITH 1/2" EMBED, AT 24" O.C. HORIZONTAL AND 16" O.C. VERTICAL.
  - FOR JOINT REINFORCEMENT, WALL TIES, ANCHORS AND INSERTS, APPLY A MINIMUM COAT OF 1.5 OUNCES PER SQUARE FOOT (PSF) (458/G/M2) COMPLY WITH THE REQUIREMENTS OF ASTM A153, CLASS B.
- 10. EPOXY GROUT SHALL BE NON-SHRIK HIGH CREEP RESISTANT, AND SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE PROPERTIES:
  - TENSILE STRENGTH: ASTM C 20, 1500 PSI
  - FLEXURAL STRENGTH: ASTM C 580, 4000 PSI
  - COMPRESSIVE STRENGTH: ASTM C 579, 1600 PSI/7 DAYS.
- 11. MINIMUM LAP SPACES FOR REINFORCED CMU

KEYPLAN N.T.S.

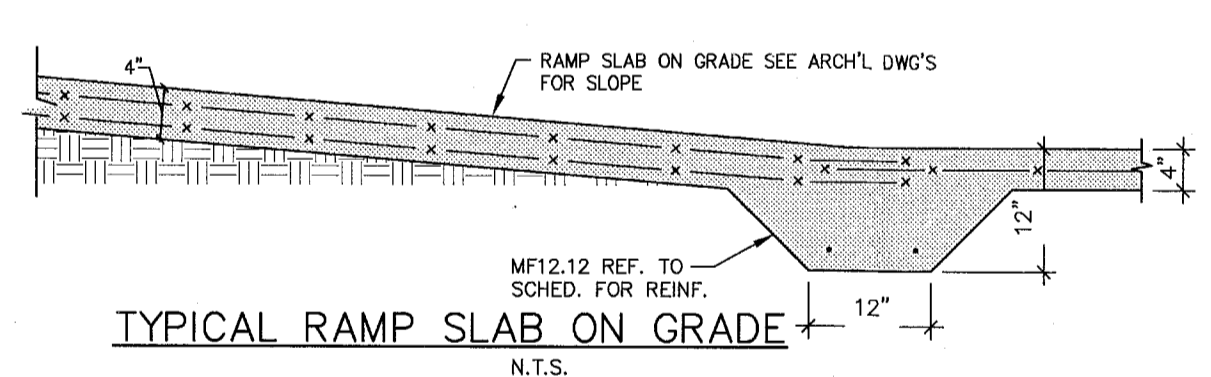


TYPICAL ELEVATOR PIT DETAIL  
N.T.S.

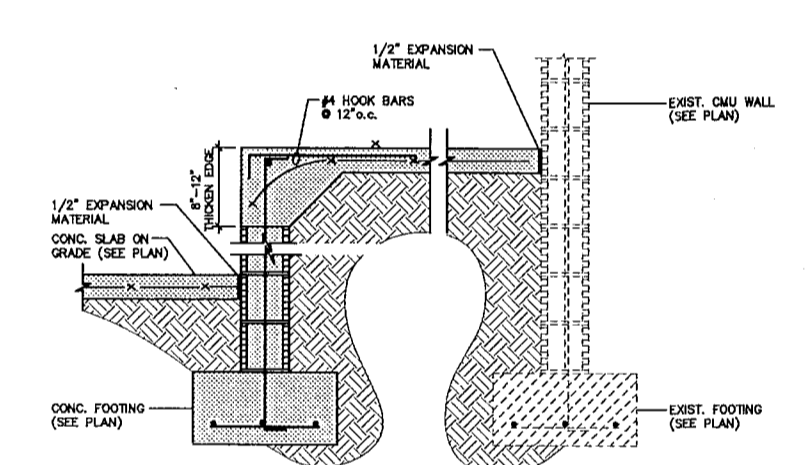
NOTE 1: REFER TO 3/S503 & 4/S503 FOR DETAILS



TYPICAL SUMP DETAIL  
(AT SIDE WALL)



TYPICAL RAMP SLAB ON GRADE  
N.T.S.



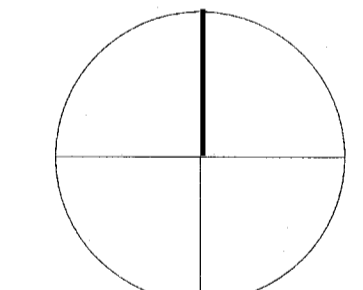
TYPICAL RAMP ON GRADE DETAILS

MTCI PRIVATE PROVIDER SERVICES, LLC Construction Plans, Specifications, Surveying & Construction			
BUILDING	REVIEWER	DATE	
	INITIALS	REVIEWED	
STR. TYPICAL	CMC	1/10/14	
M.F. TYPICAL			
E.L. TYPICAL			
F.L. TYPICAL			
SHE. TYPICAL			

REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS TO 100% CD	2/7/14
2	PERMIT REVIEW COMMENTS	3/14/14
3	POOL SUITES WALLS	4/4/14

PERMIT SET

NORTH SEAL



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JOB NUMBER: 13036.00

CHECKED BY:

ISSUE DATE: JANUARY 24, 2014

SCALE:

SHEET TITLE

TYPICAL NOTES  
SCHEDULES AND DETAILS

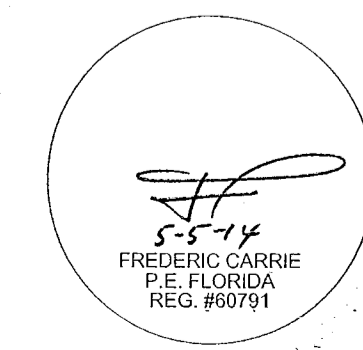
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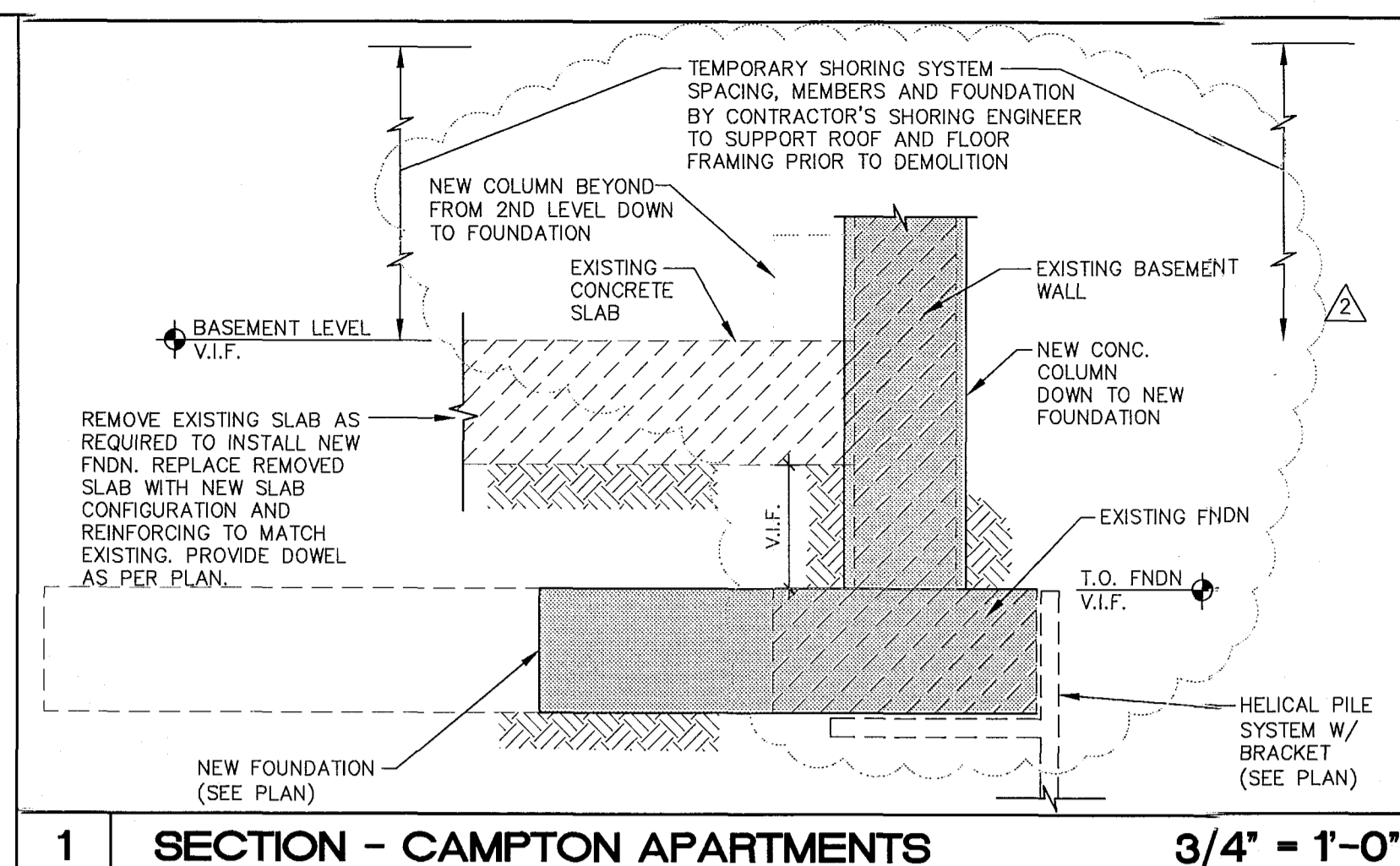
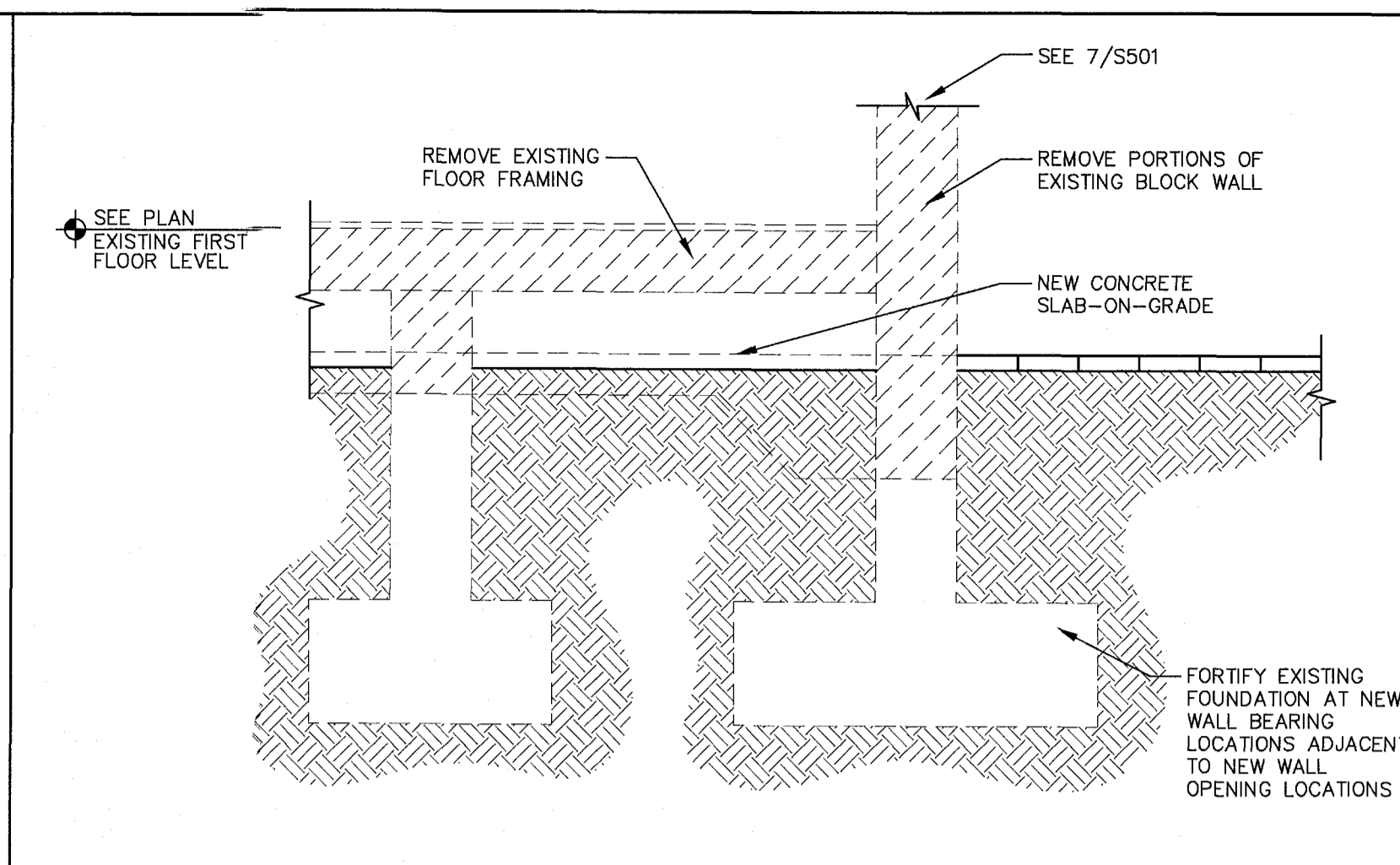
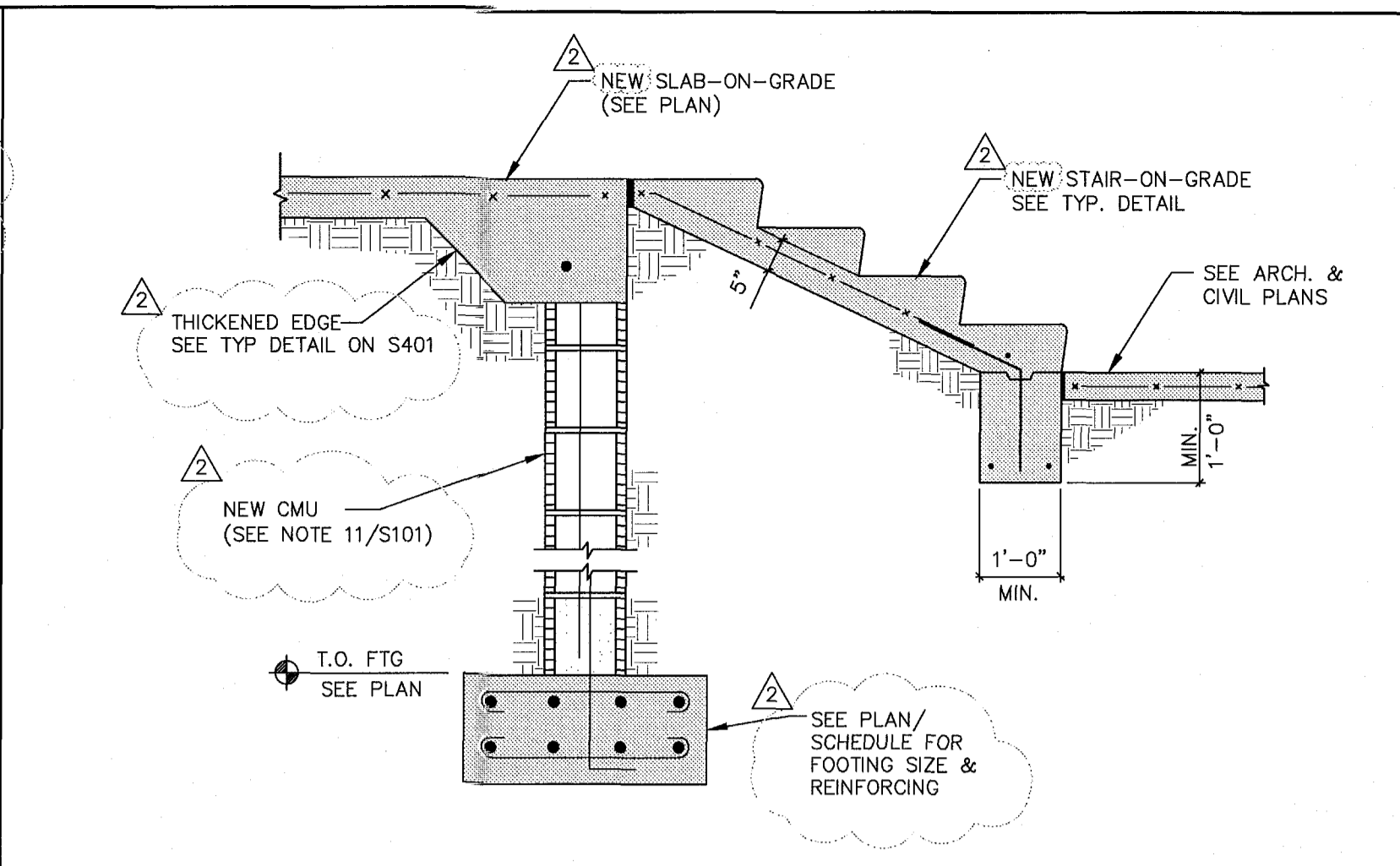
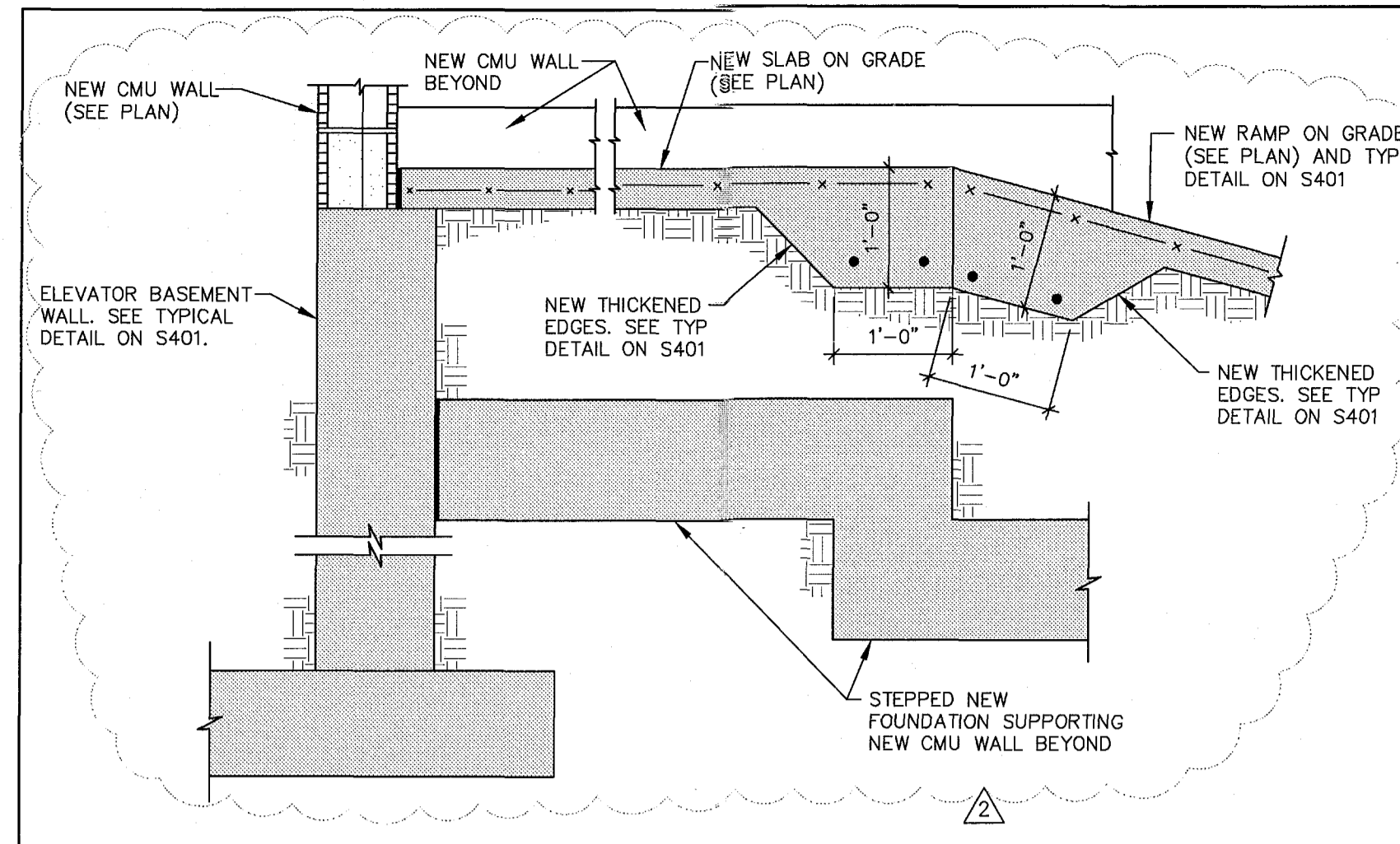
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PERMIT SET  
1/24/14

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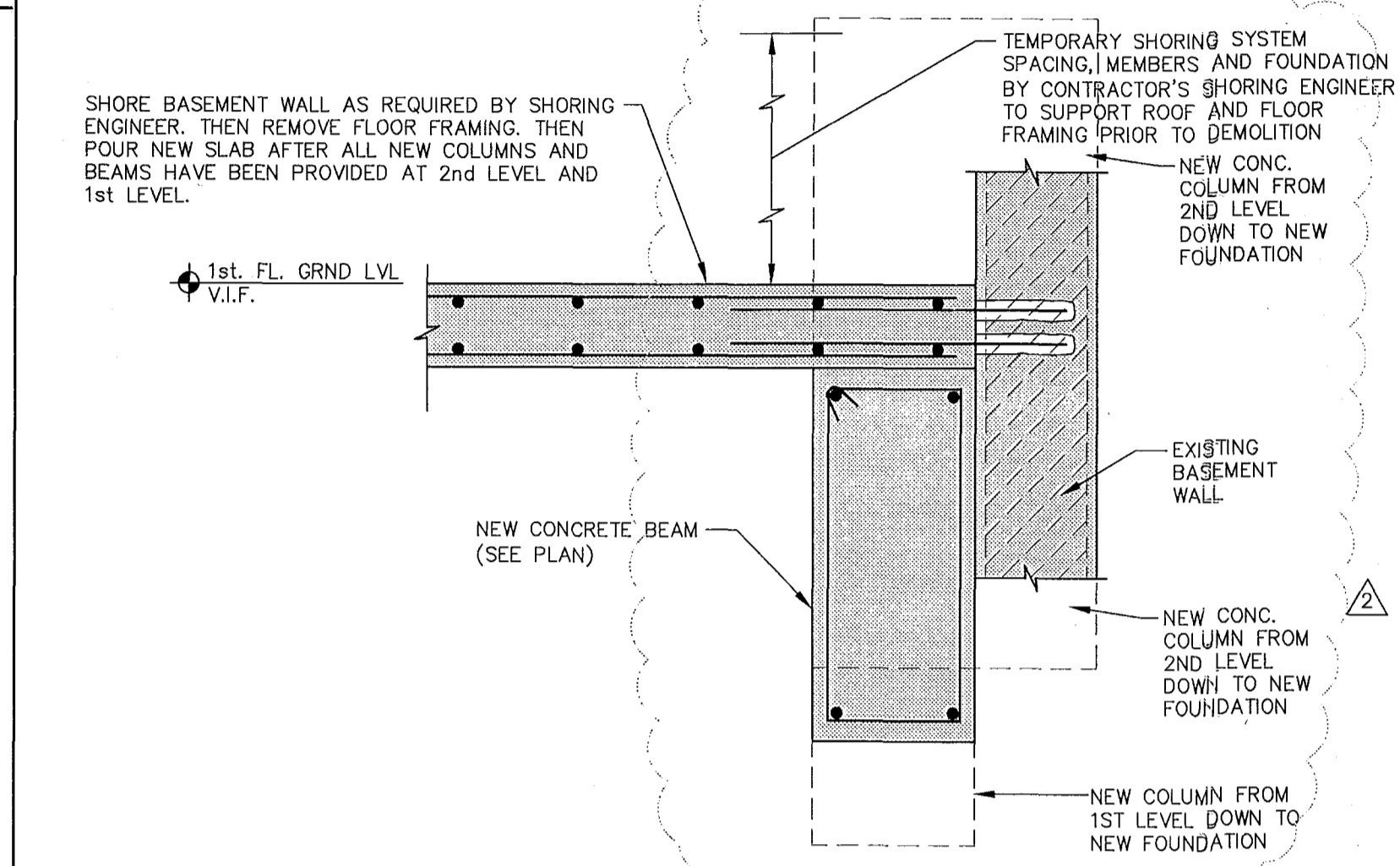
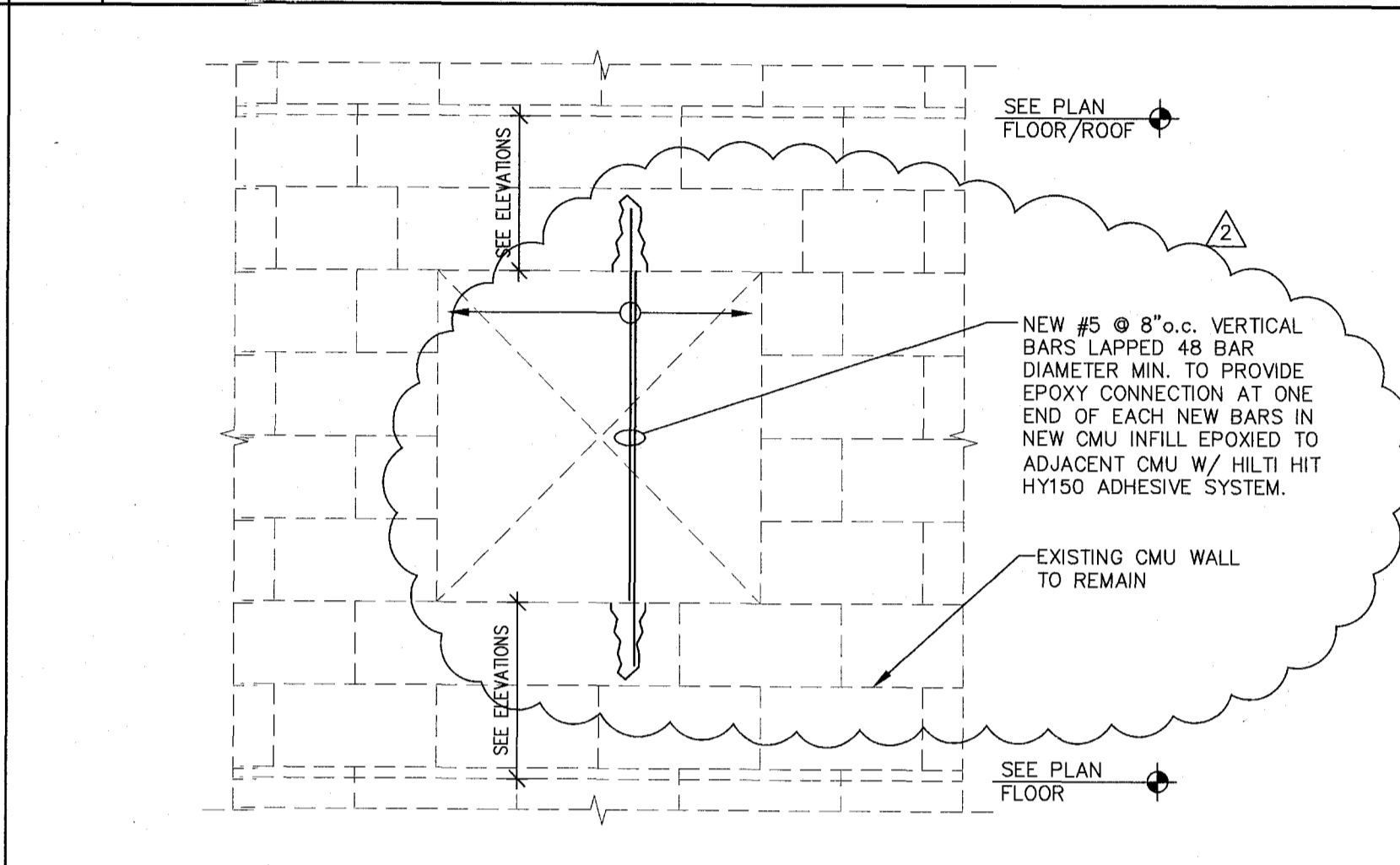
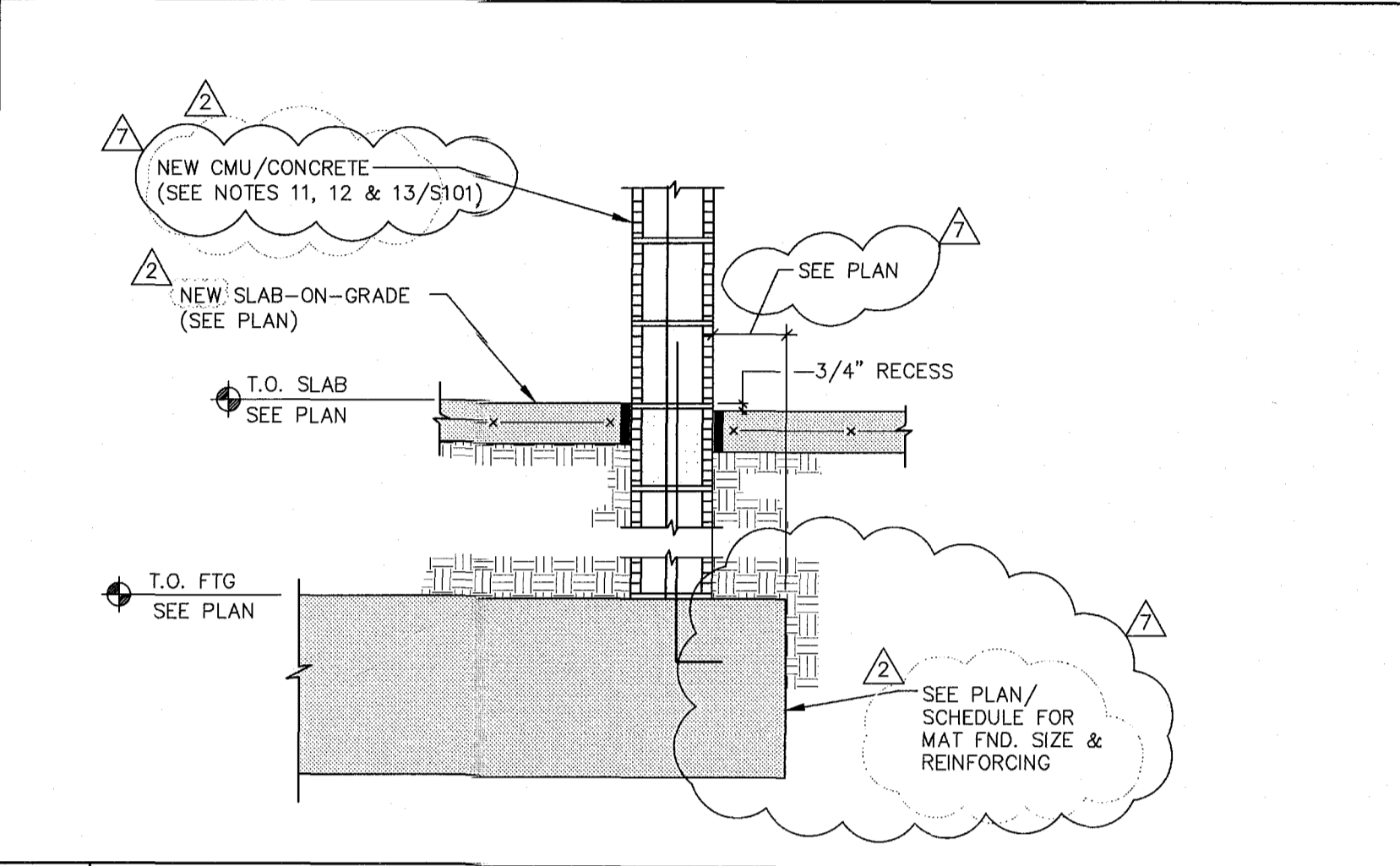
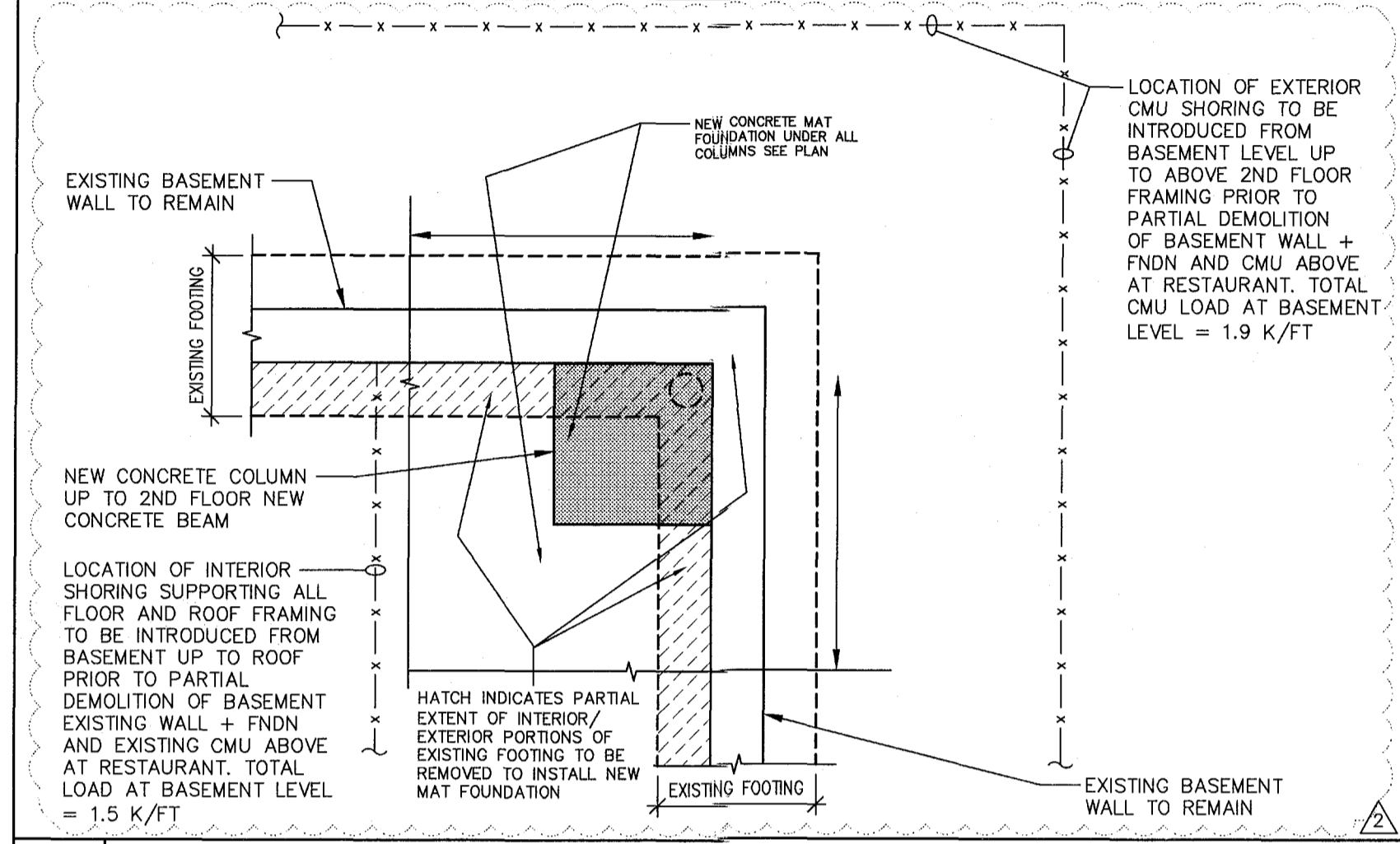


15 SECTION 3/4" = 1'-0"

10 SECTION 3/4" = 1'-0"

5 SECTION - CAMPTON APARTMENTS 3/4" = 1'-0"

1 SECTION - CAMPTON APARTMENTS 3/4" = 1'-0"

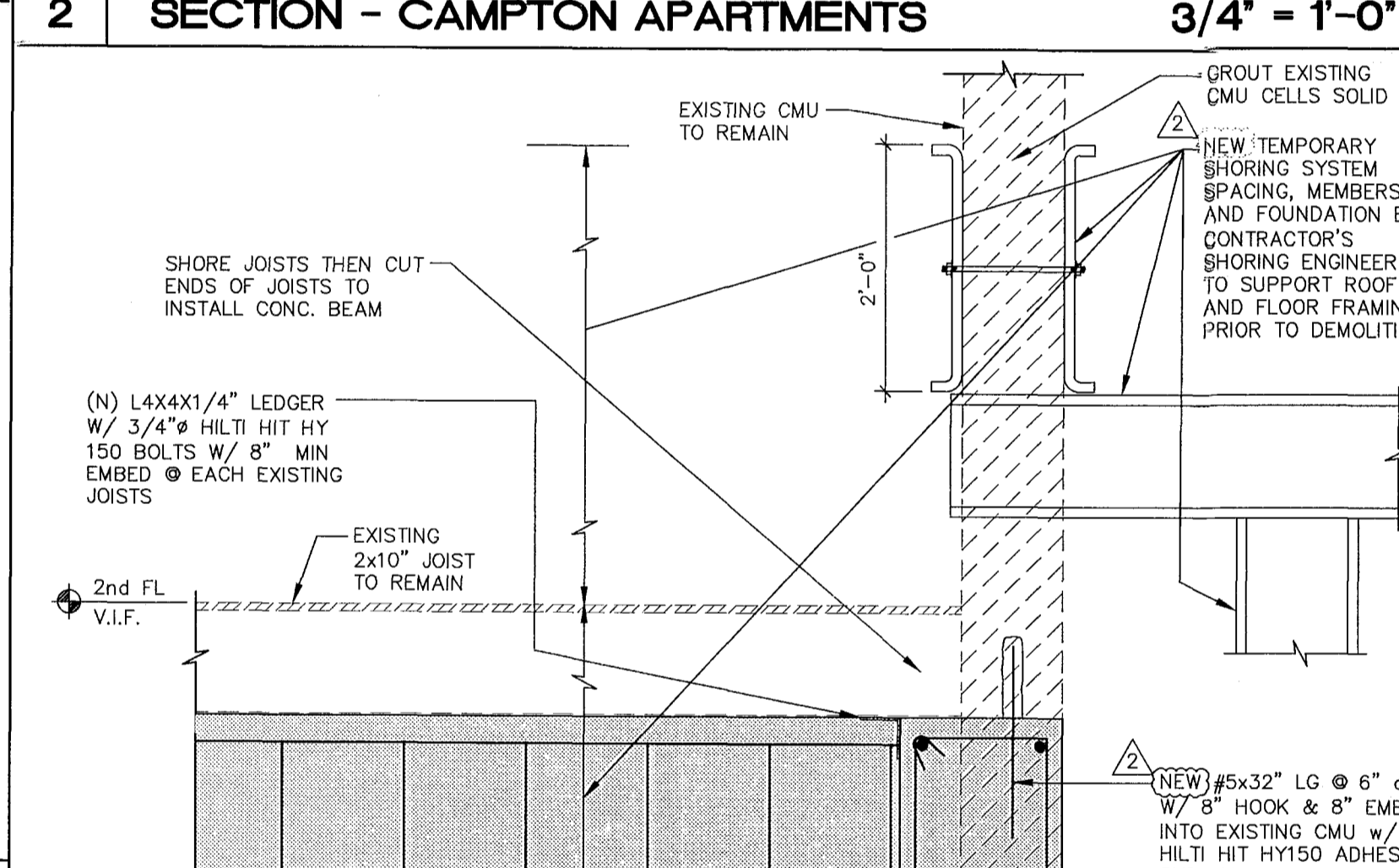
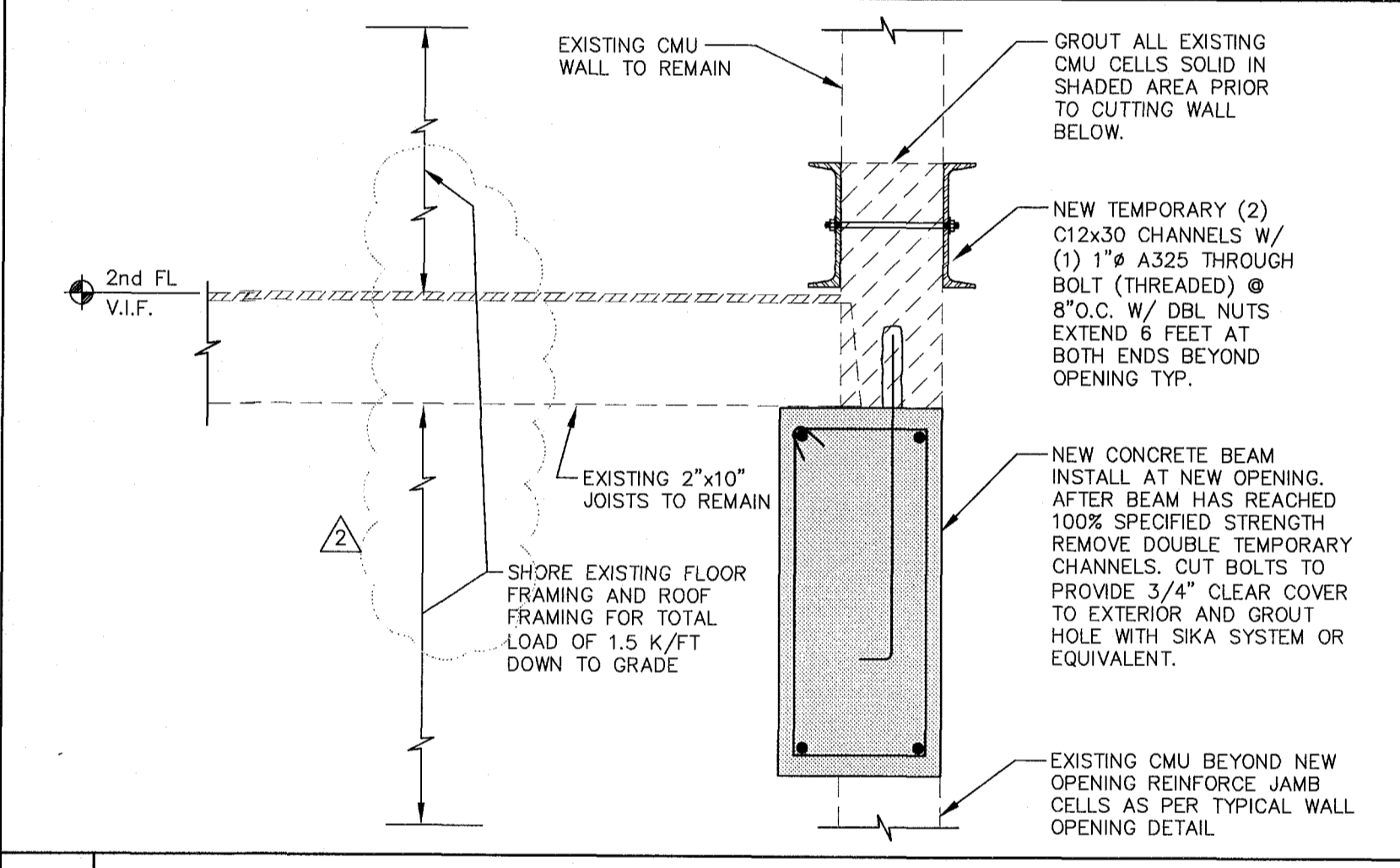
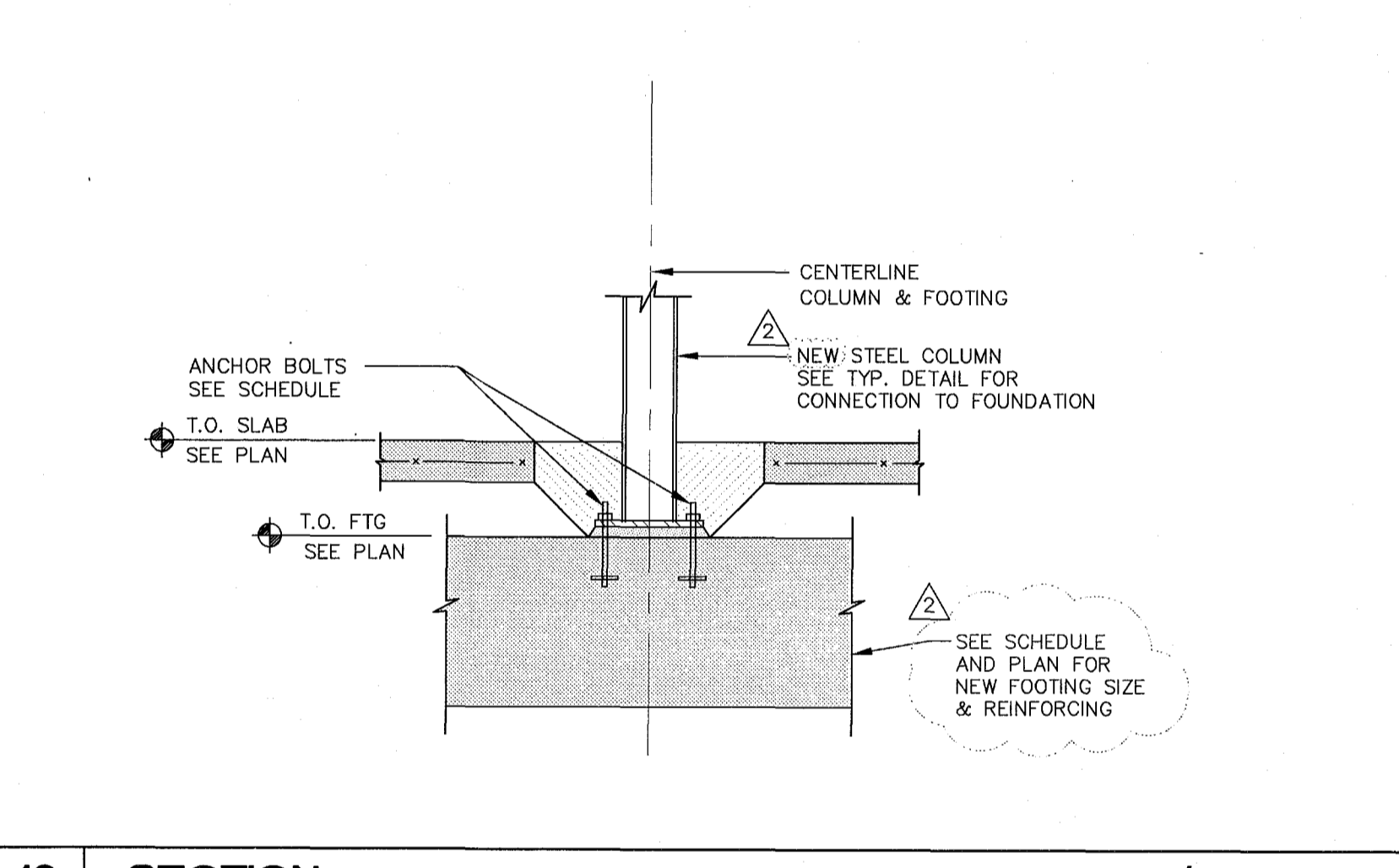
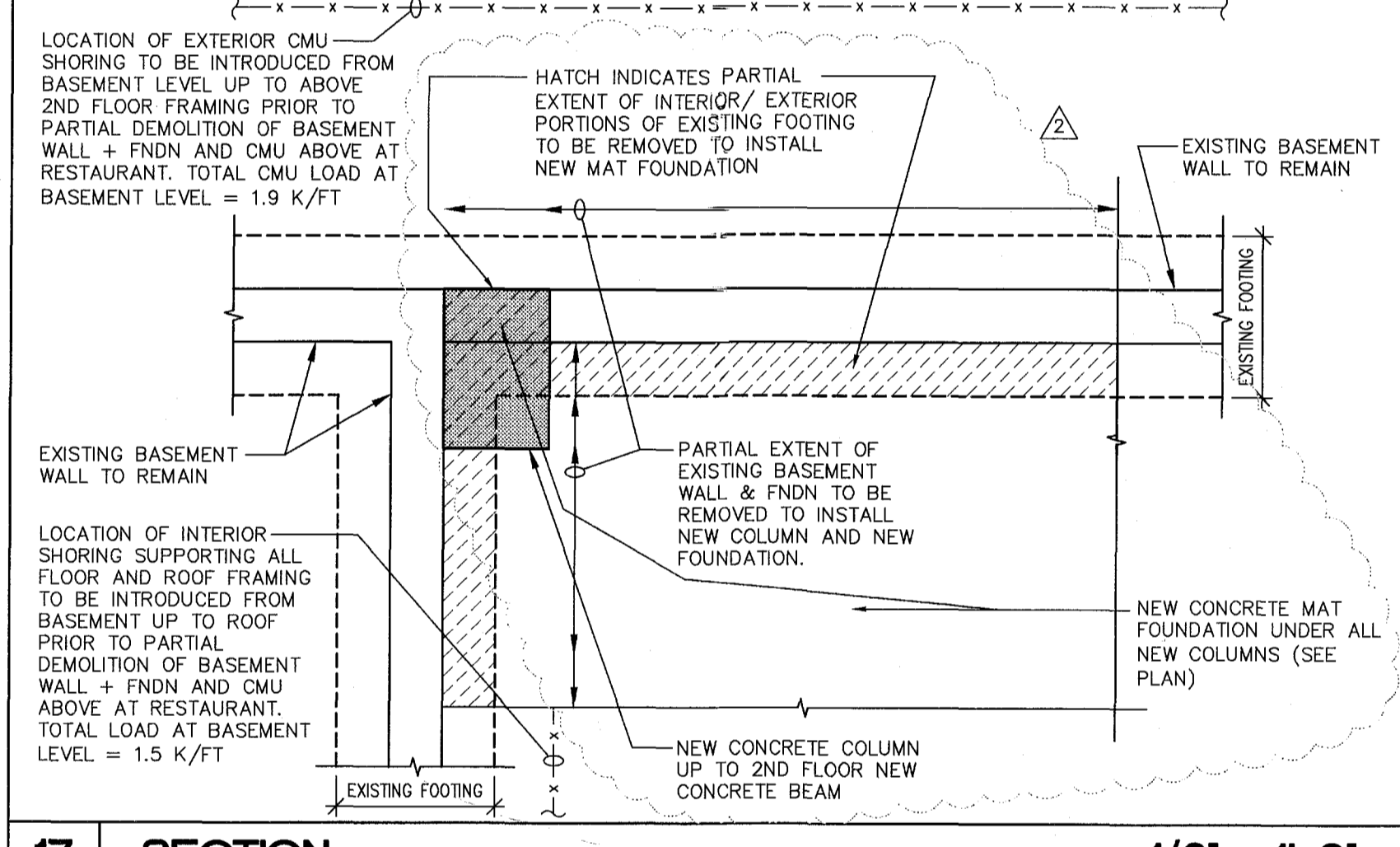


16 SECTION 1/2" = 1'-0"

11 SECTION 3/4" = 1'-0"

6 SECTION 3/4" = 1'-0"

2 SECTION - CAMPTON APARTMENTS 3/4" = 1'-0"

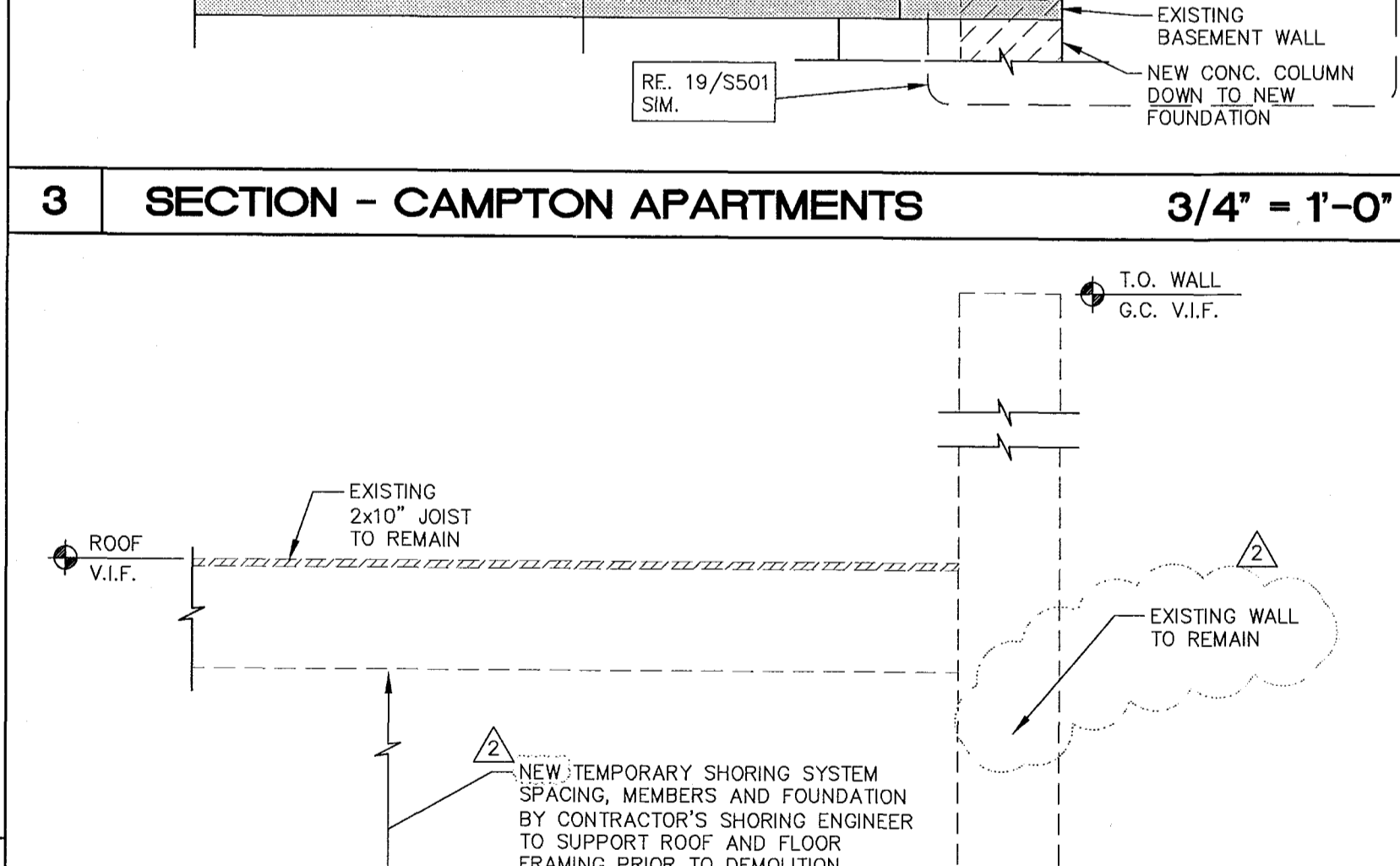
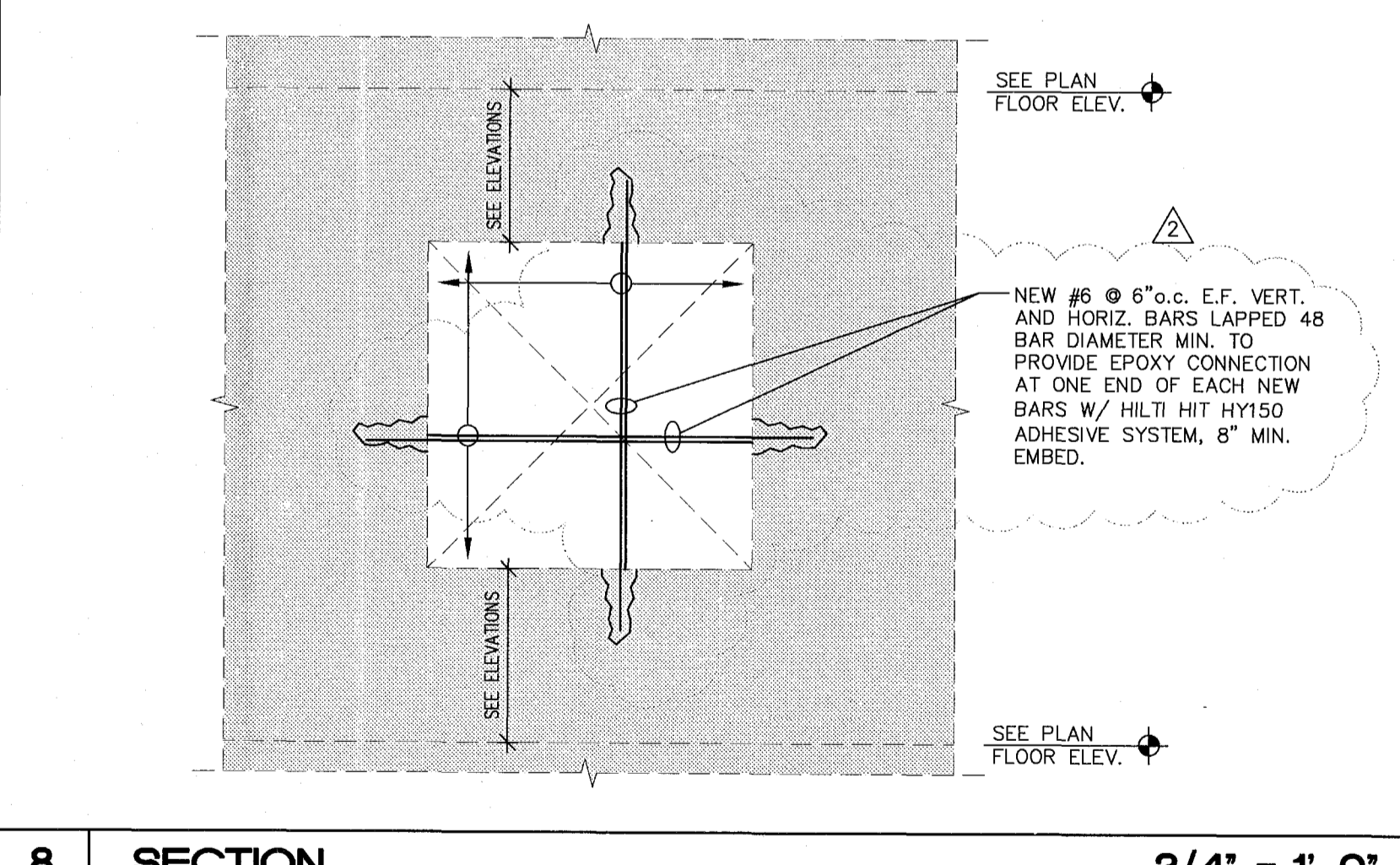
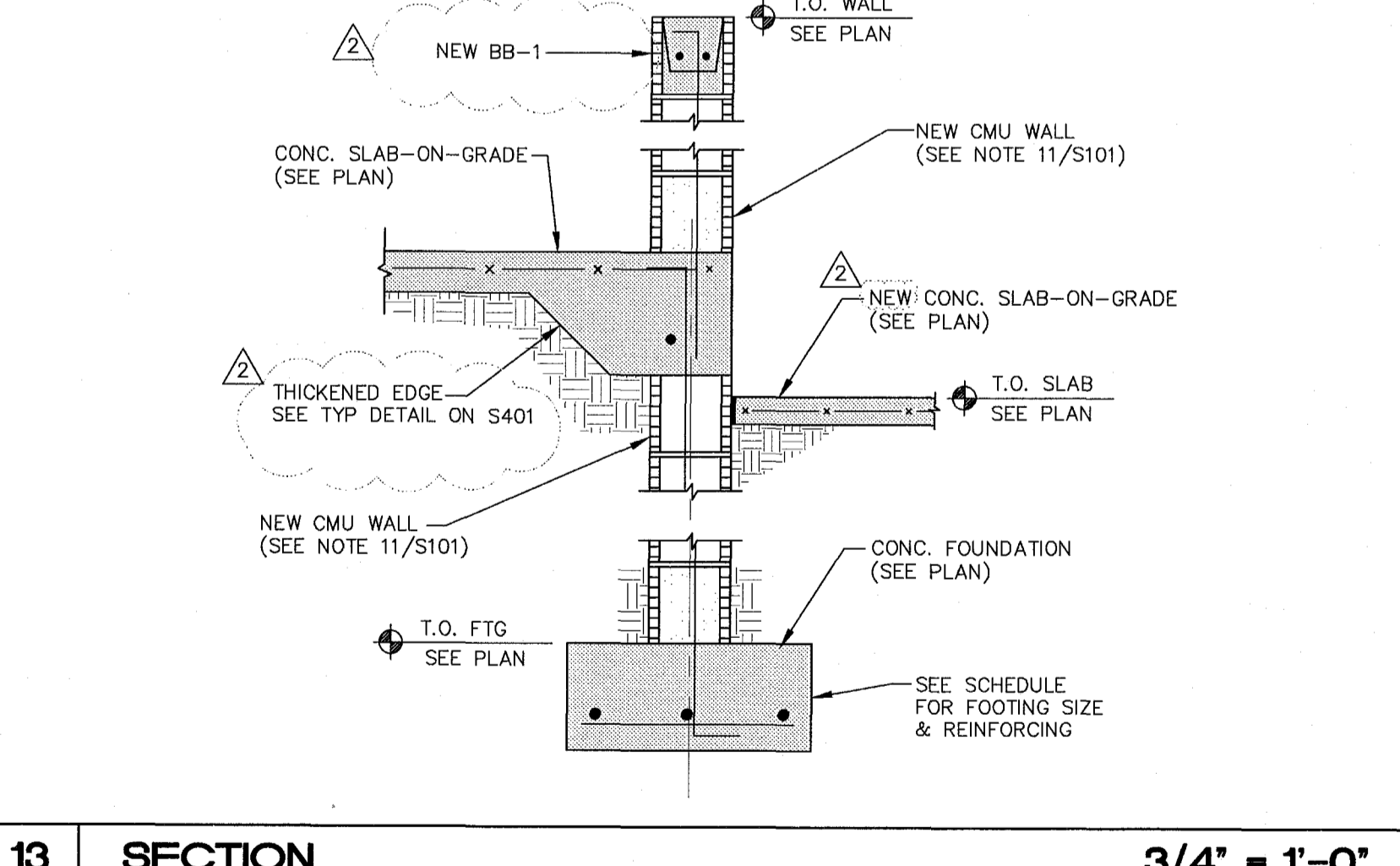
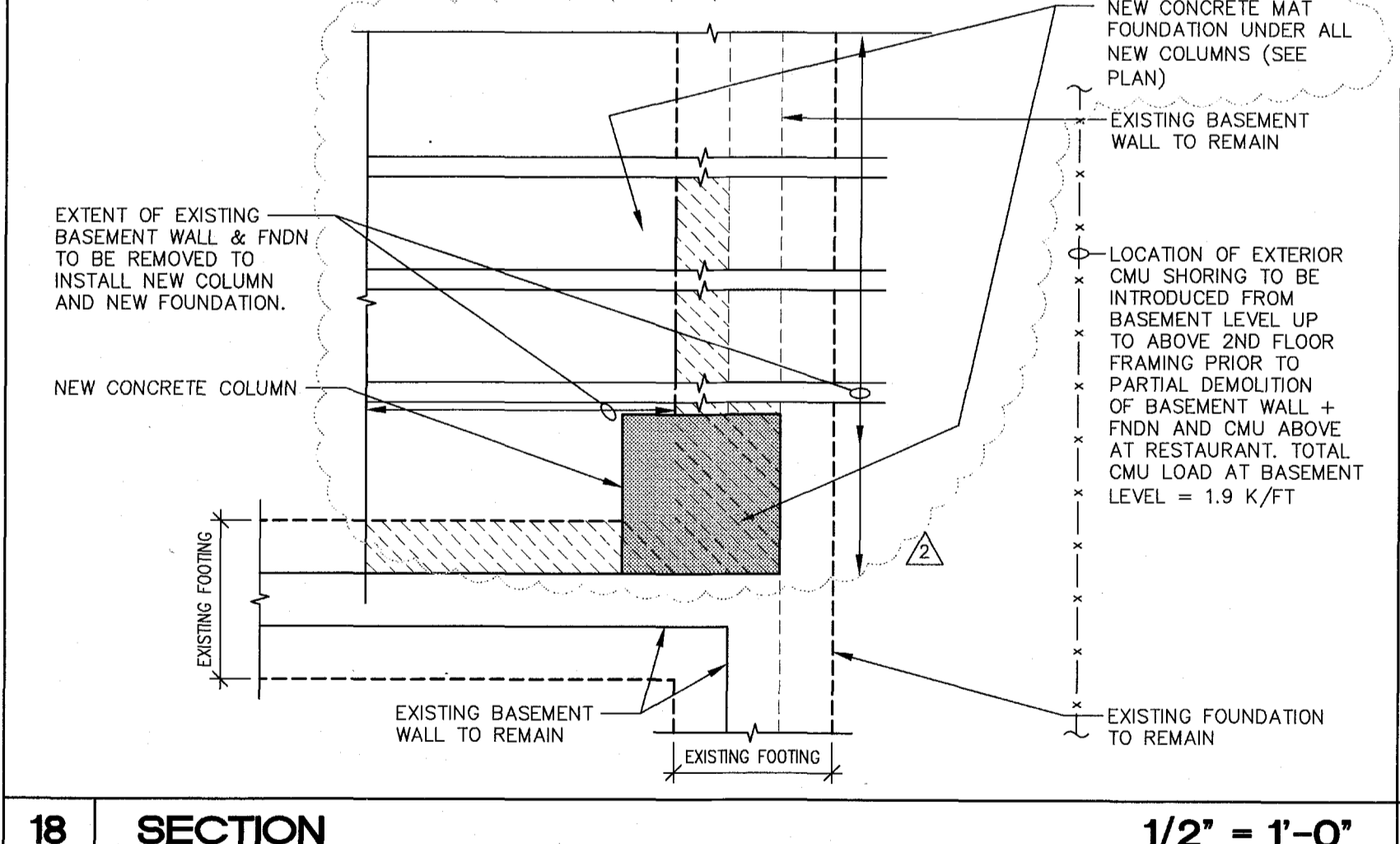


17 SECTION 1/2" = 1'-0"

12 SECTION 3/4" = 1'-0"

7 SECTION - CAMPTON APARTMENTS 3/4" = 1'-0"

3 SECTION - CAMPTON APARTMENTS 3/4" = 1'-0"

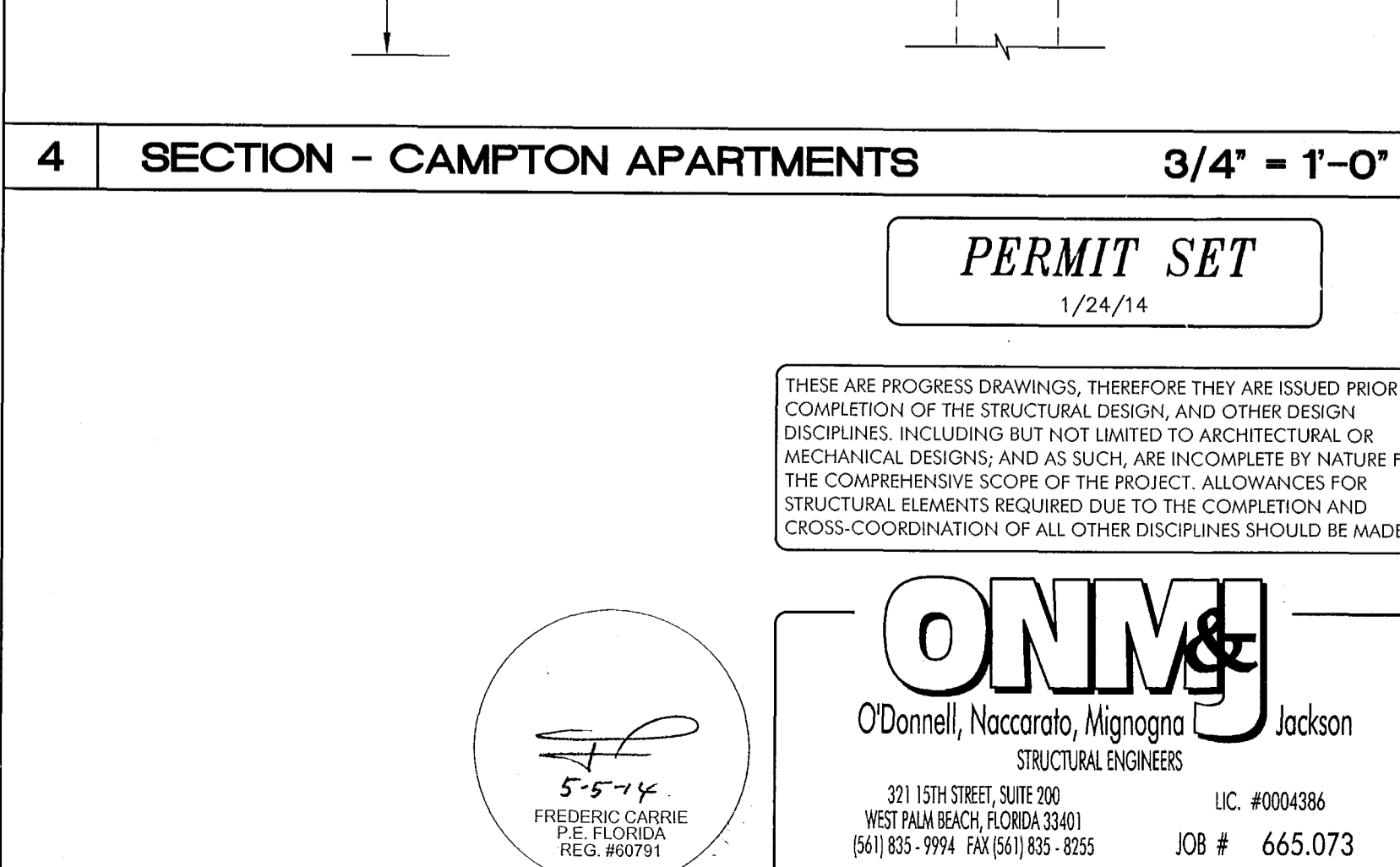
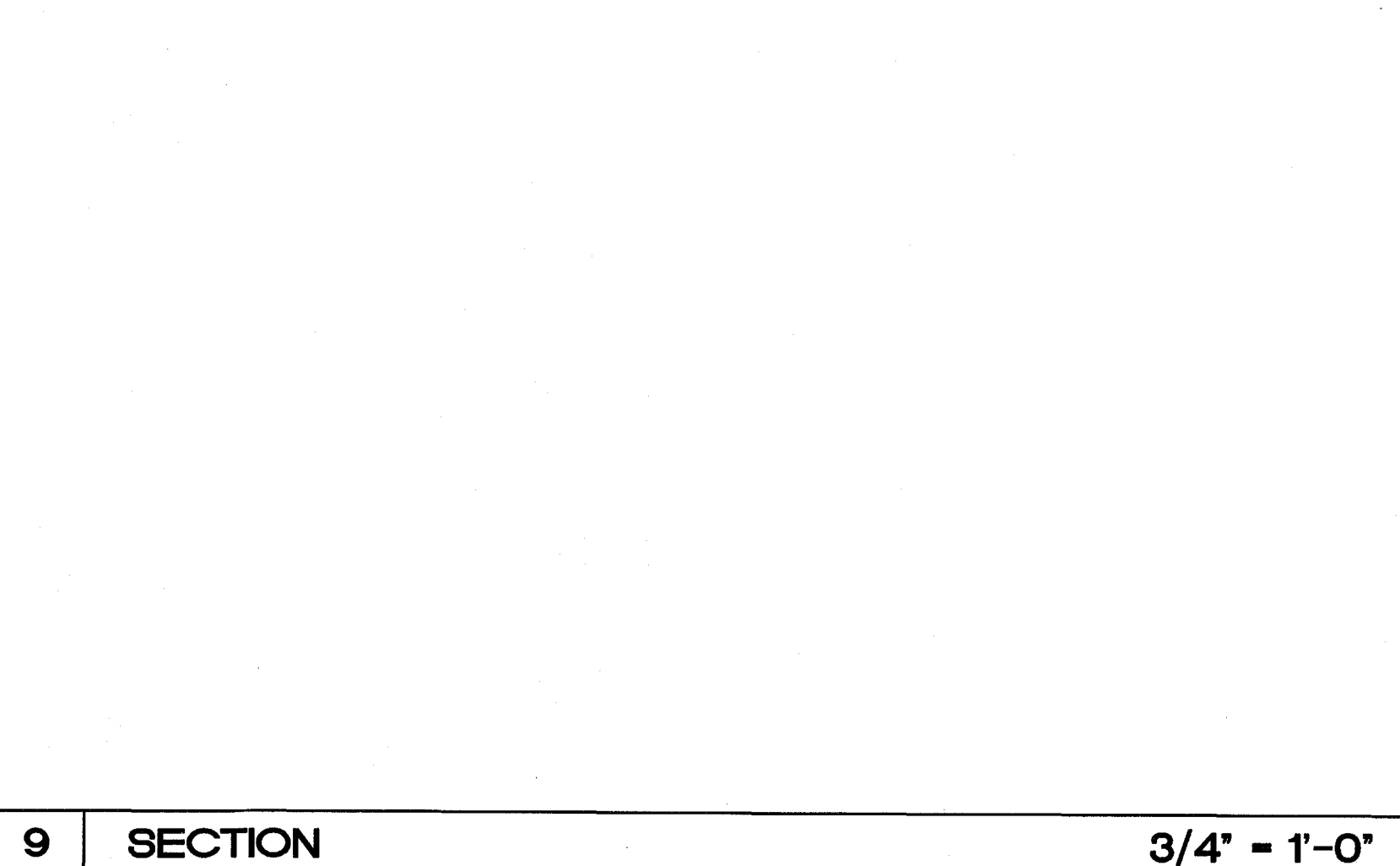
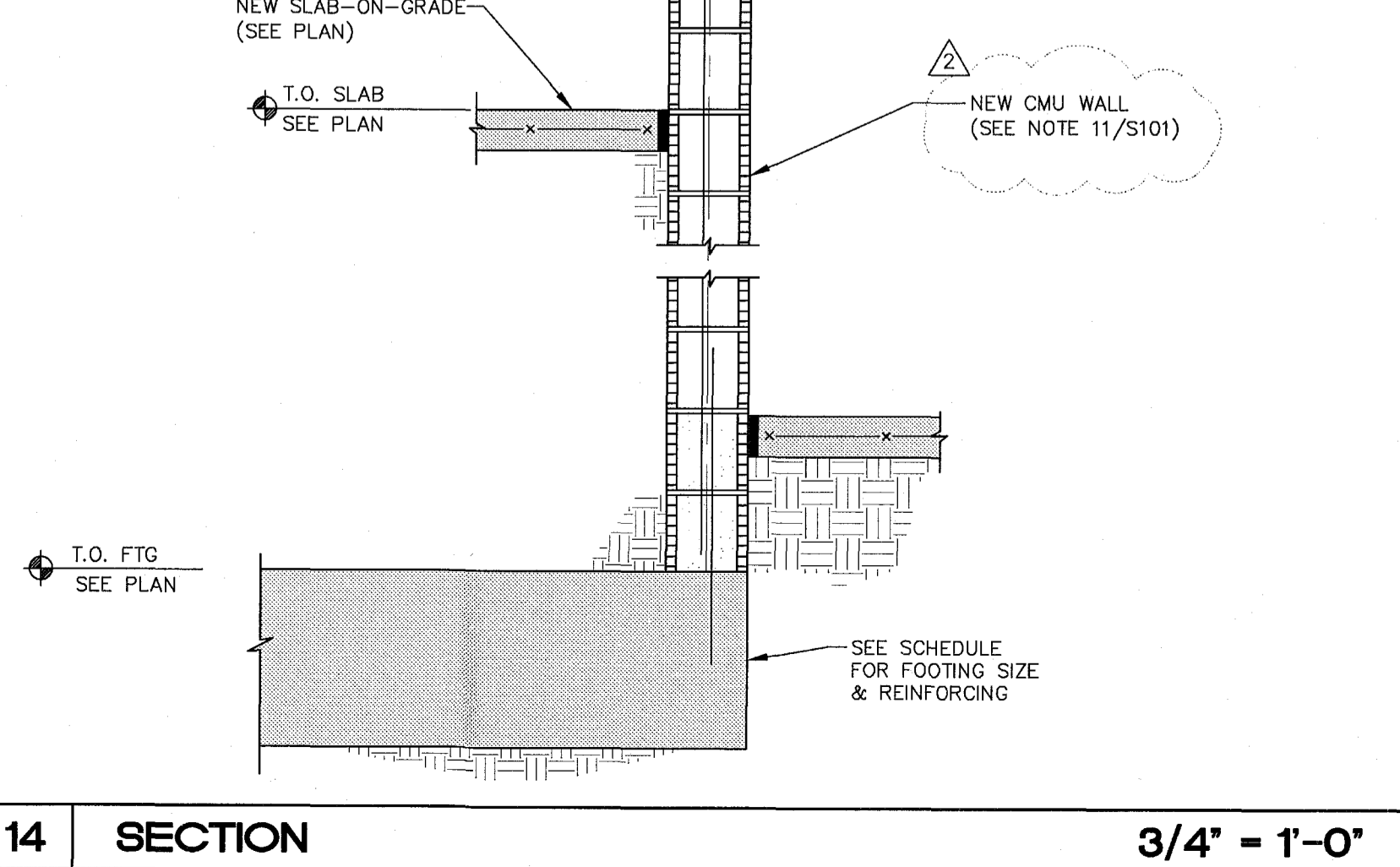
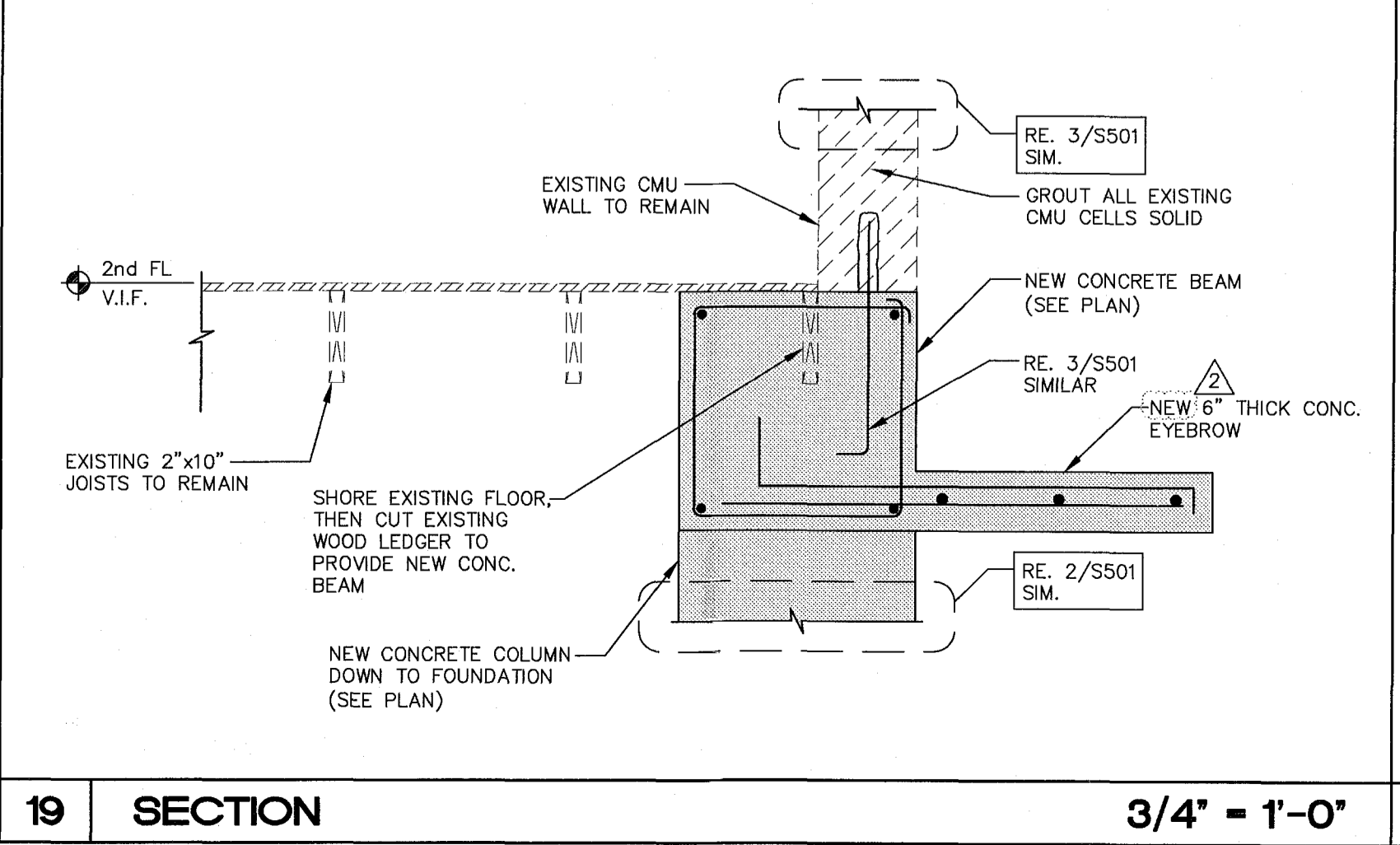


18 SECTION 1/2" = 1'-0"

13 SECTION 3/4" = 1'-0"

8 SECTION 3/4" = 1'-0"

4 SECTION - CAMPTON APARTMENTS 3/4" = 1'-0"



19 SECTION 3/4" = 1'-0"

14 SECTION 3/4" = 1'-0"

9 SECTION 3/4" = 1'-0"

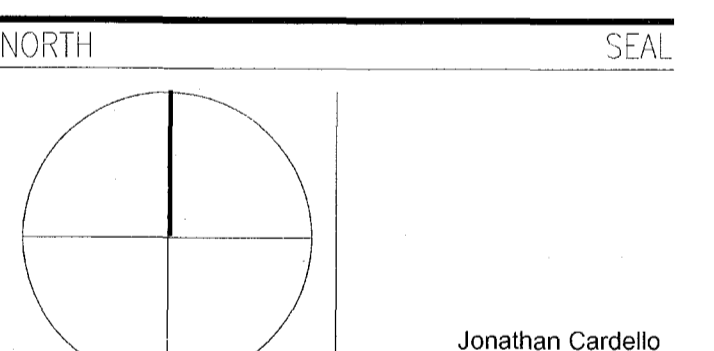
4 SECTION - CAMPTON APARTMENTS 3/4" = 1'-0"

REVISIONS

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS TO 100% CD	2/7/14
2	PERMIT REVIEW COMMENTS	3/14/14
3	POOL SUITES WALLS	4/4/14

PERMIT SET

BUILDING	REVIEWER INITIALS	DATE REVIEWED
STRUCTURAL	OC	11/13/14
MECHANICAL		
ELECTRICAL		
PLUMBING		
SITE CIVIL		



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JOB NUMBER: 13036.00  
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ISSUE DATE: JANUARY 24, 2014  
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SHEET TITLE  
SECTIONS

SHEET NUMBER  
**S501**  
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JOB # 665.073

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1/24/14

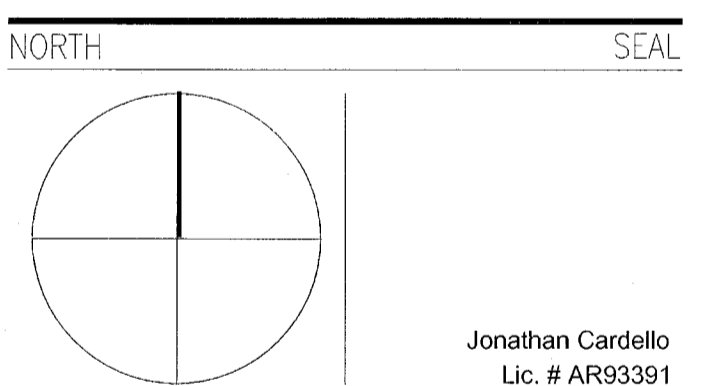
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REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS TO 100% CD	2/7/14
2	PERMIT REVIEW COMMENTS	3/14/14

**PERMIT SET**



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**SECTIONS**

SHEET NUMBER  
**S502**  
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**15 SECTION** **3/4" = 1'-0"**

**16 SECTION** **3/4" = 1'-0"**

**17 SECTION** **3/4" = 1'-0"**

**18 SECTION** **3/4" = 1'-0"**

**19 SECTION** **3/4" = 1'-0"**

**10 SECTION** **3/4" = 1'-0"**

**11 SECTION** **3/4" = 1'-0"**

**12 SECTION** **3/4" = 1'-0"**

**13 SECTION** **3/4" = 1'-0"**

**14 SECTION** **3/4" = 1'-0"**

**5 SECTION** **3/4" = 1'-0"**

**6 SECTION** **3/4" = 1'-0"**

**7 SECTION - CAMPTON APARTMENTS** **3/4" = 1'-0"**

**8 SECTION** **3/4" = 1'-0"**

**9 SECTION** **3/4" = 1'-0"**

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

**2 SECTION** **3/4" = 1'-0"**

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

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

**PERMIT SET**  
 1/24/14

THESE ARE PROGRESS DRAWINGS, THEREFORE THEY ARE ISSUED PRIOR TO COMPLETION OF THE STRUCTURAL DESIGN, AND OTHER DESIGN DISCIPLINES, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL OR MECHANICAL DESIGN, AND AS SUCH, ARE INCOMPLETE BY NATURE FOR THE COMPREHENSIVE SCOPE OF THE PROJECT. ALLOWANCES FOR STRUCTURAL ELEMENTS REQUIRED DUE TO THE COMPLETION AND CROSS-COORDINATION OF ALL OTHER DISCIPLINES SHOULD BE MADE.

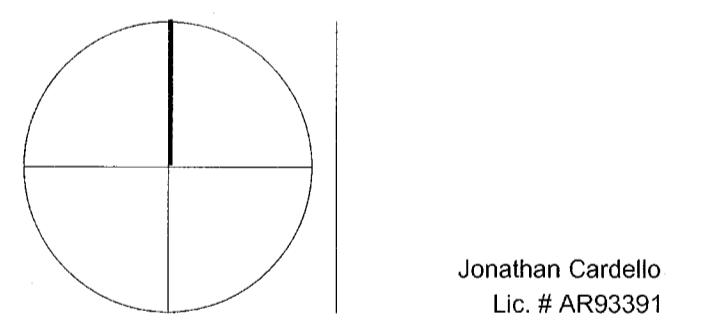
**ONM**  
 O'Donnell, Naccarato, Mignogna  
 STRUCTURAL ENGINEERS  
 371 15TH STREET, SUITE 200  
 WEST PALM BEACH, FLORIDA 33411  
 (561) 835-9974 FAX (561) 835-8255  
 LIC. #00043864  
 JOB # 665.073

REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS TO 100% CD	2/7/14
2	PERMIT REVIEW COMMENTS	3/14/14
3	POOL SUITES WALLS	4/4/14

MTCI		
PRIVATE PROVIDER SERVICES LLC		
REVIEWER	DATE	REVIEWED
Structural	OC	1/14/14
Mechanical		
Electrical		
Plumbing		
Site Civil		

PERMIT SET

NORTH



ADD Inc Architecture Interiors Planning

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JOB NUMBER: 13036.00

CHECKED BY:

ISSUE DATE: JANUARY 24, 2014

SCALE:

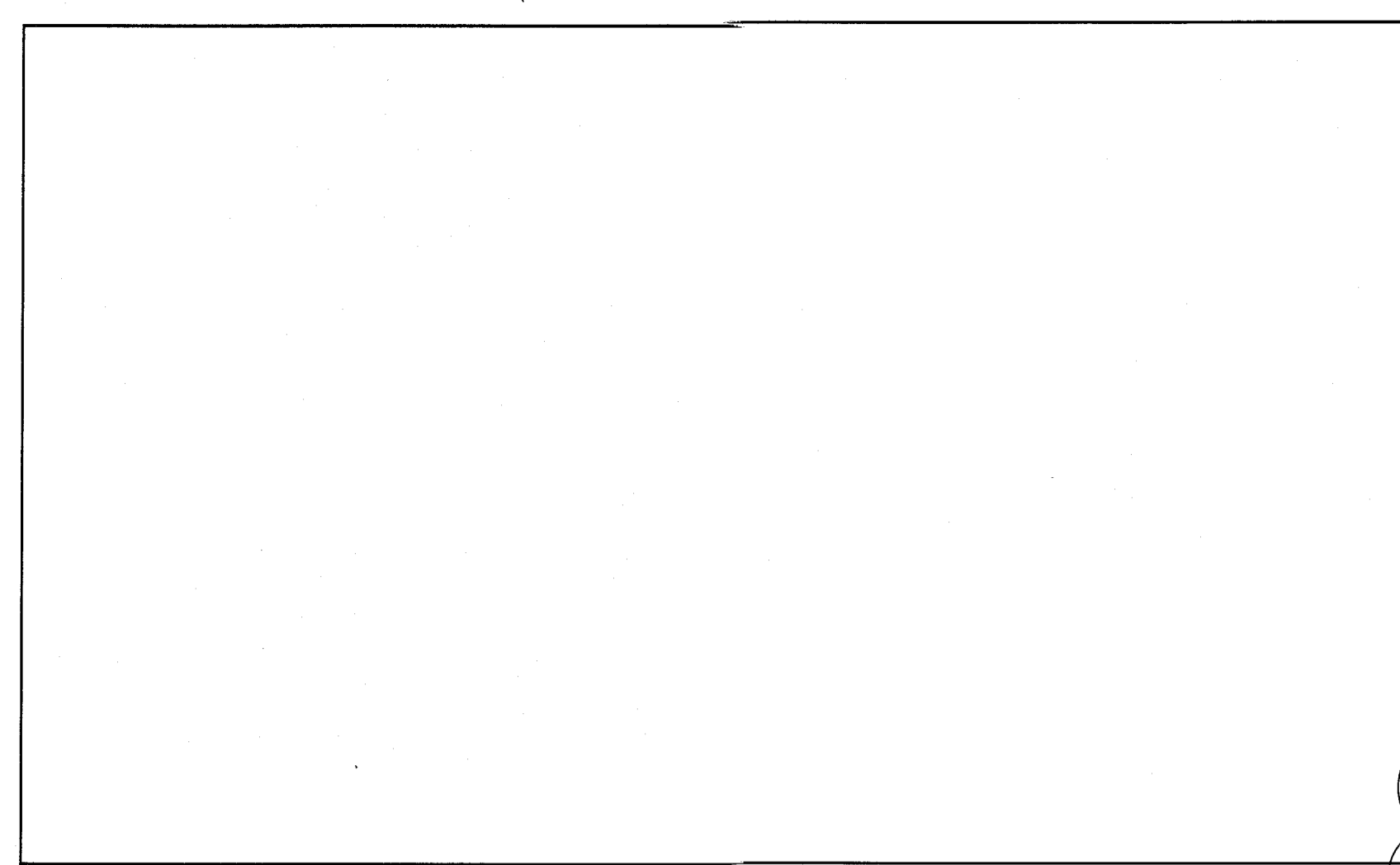
SHEET TITLE

SECTIONS

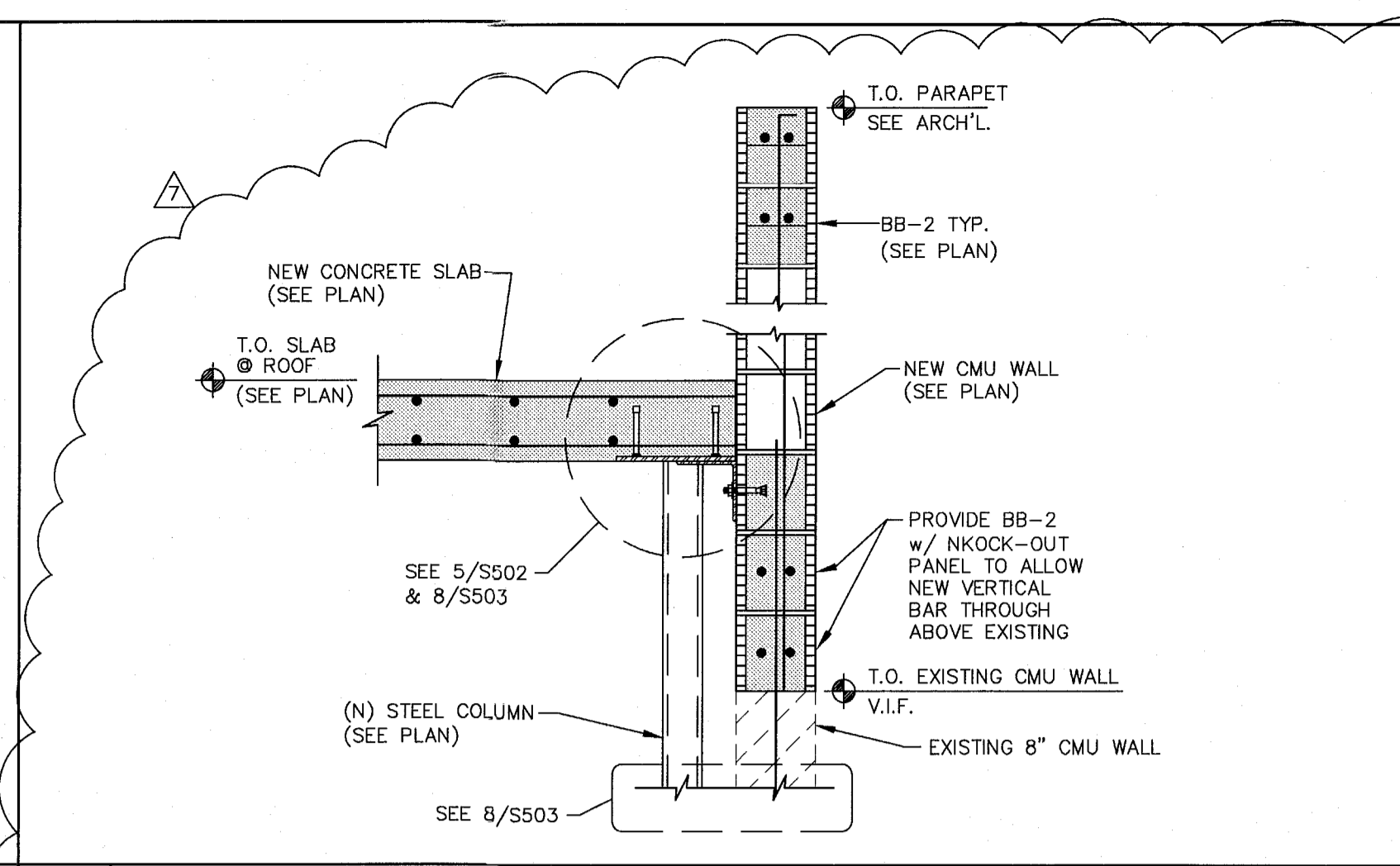
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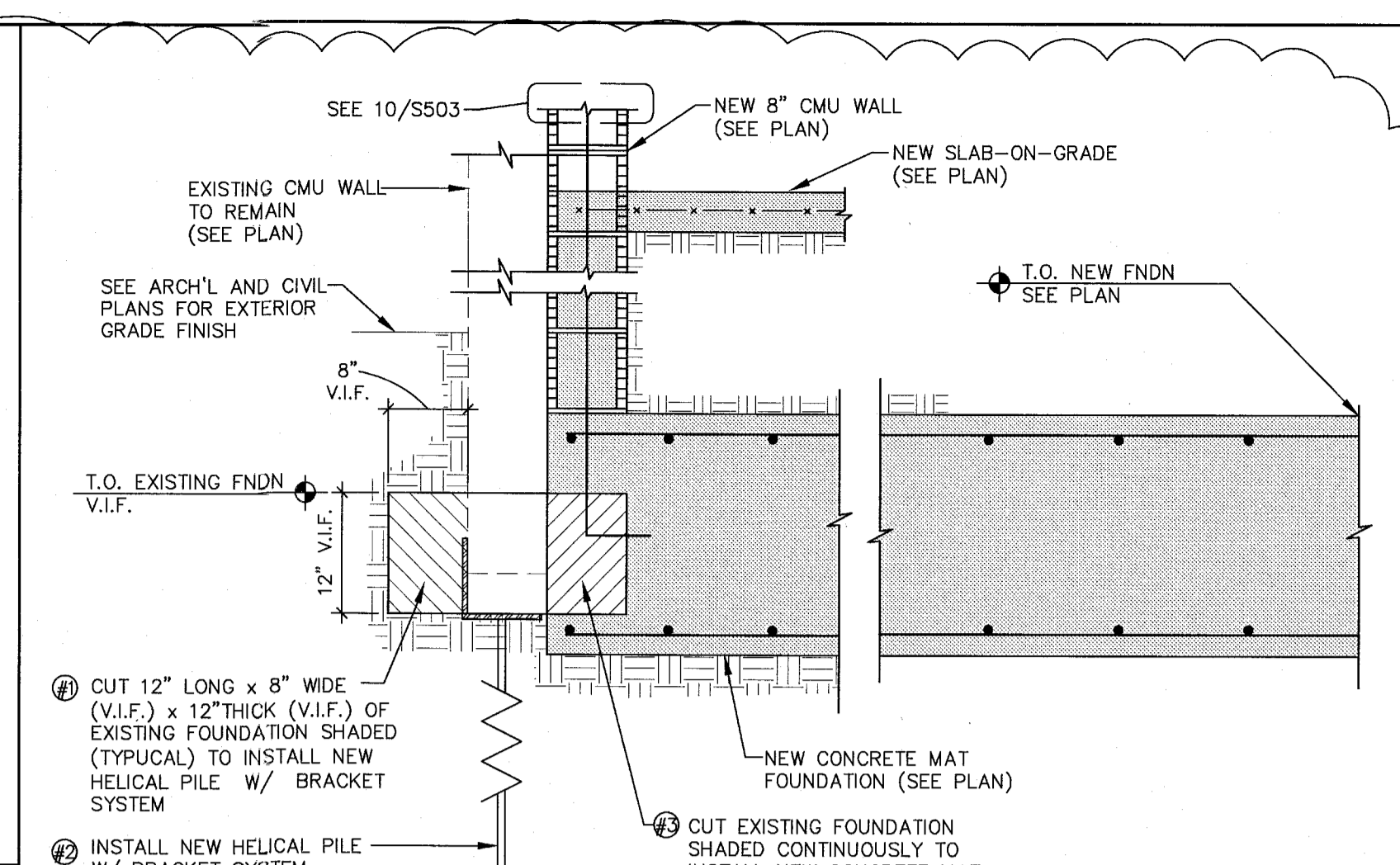
COPYRIGHT ADD INC 2011



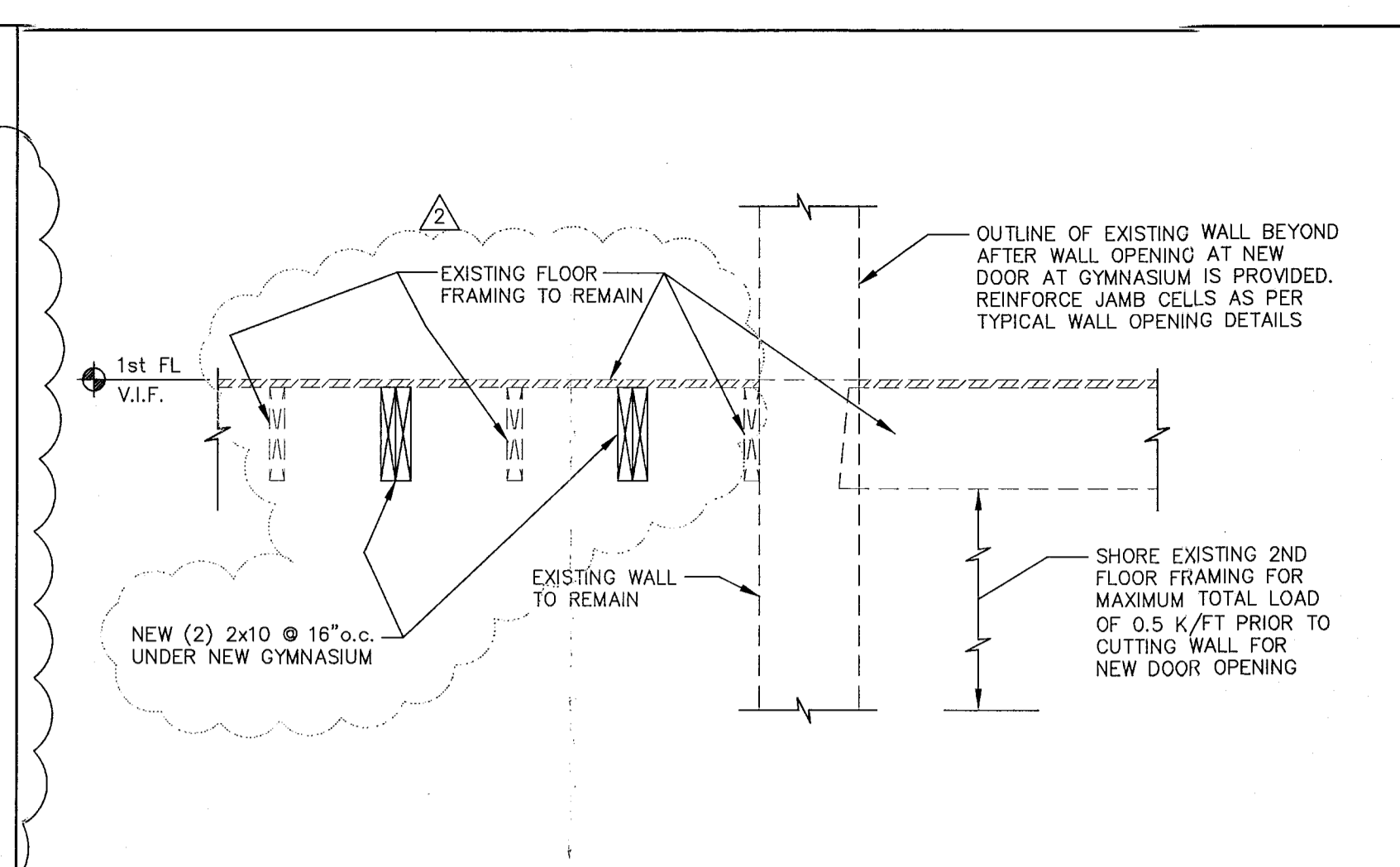
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9 SECTION 3/4" = 1'-0"



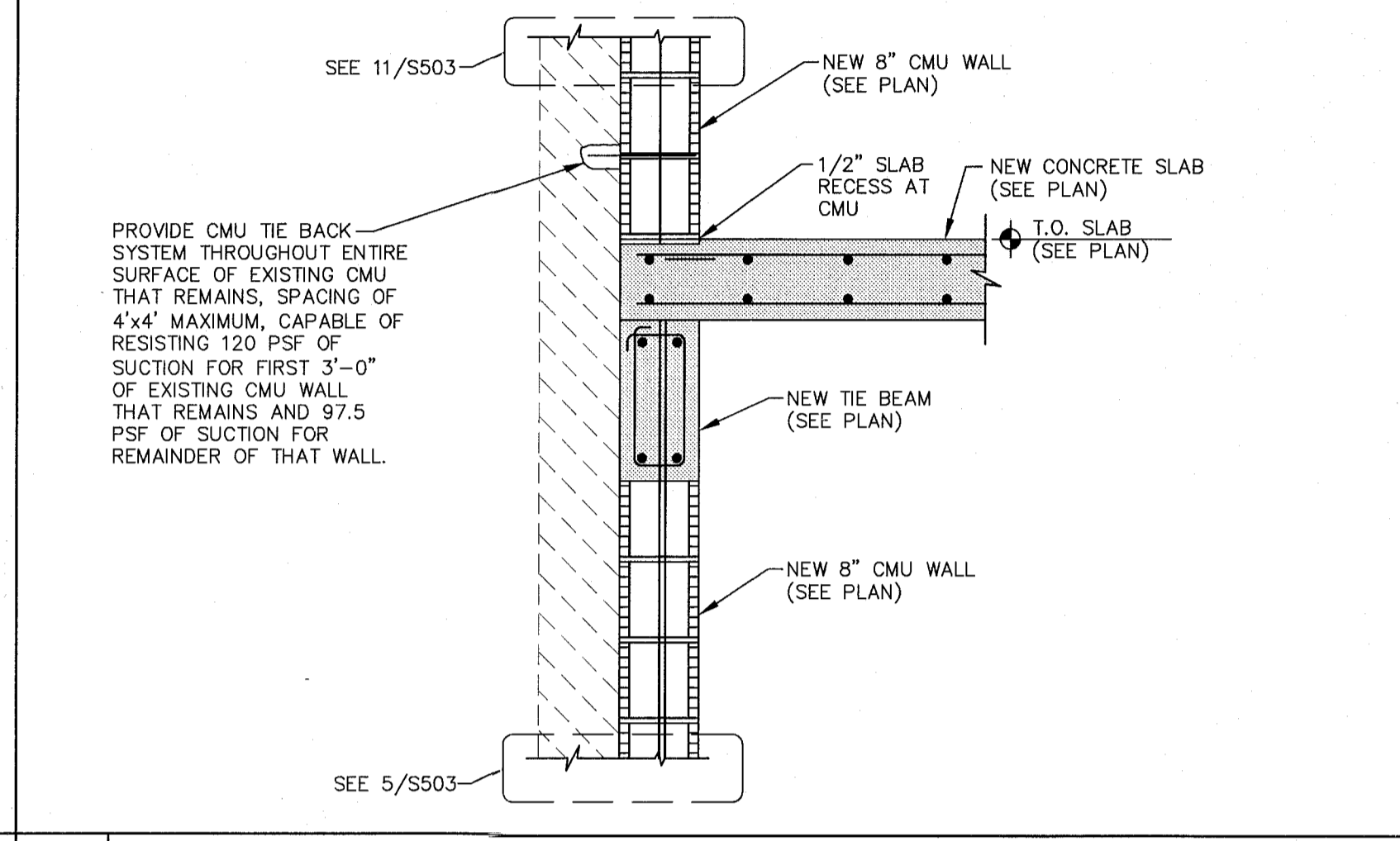
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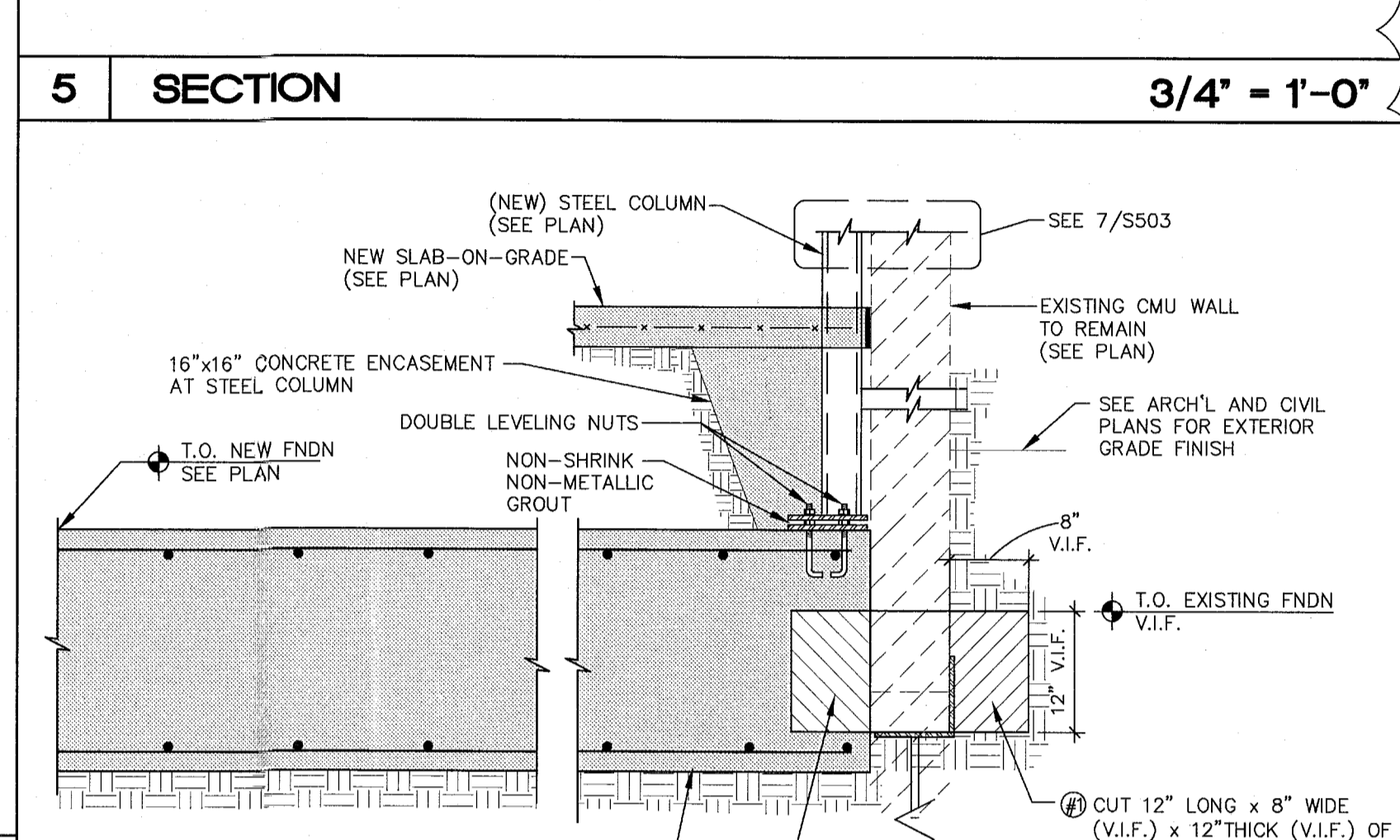
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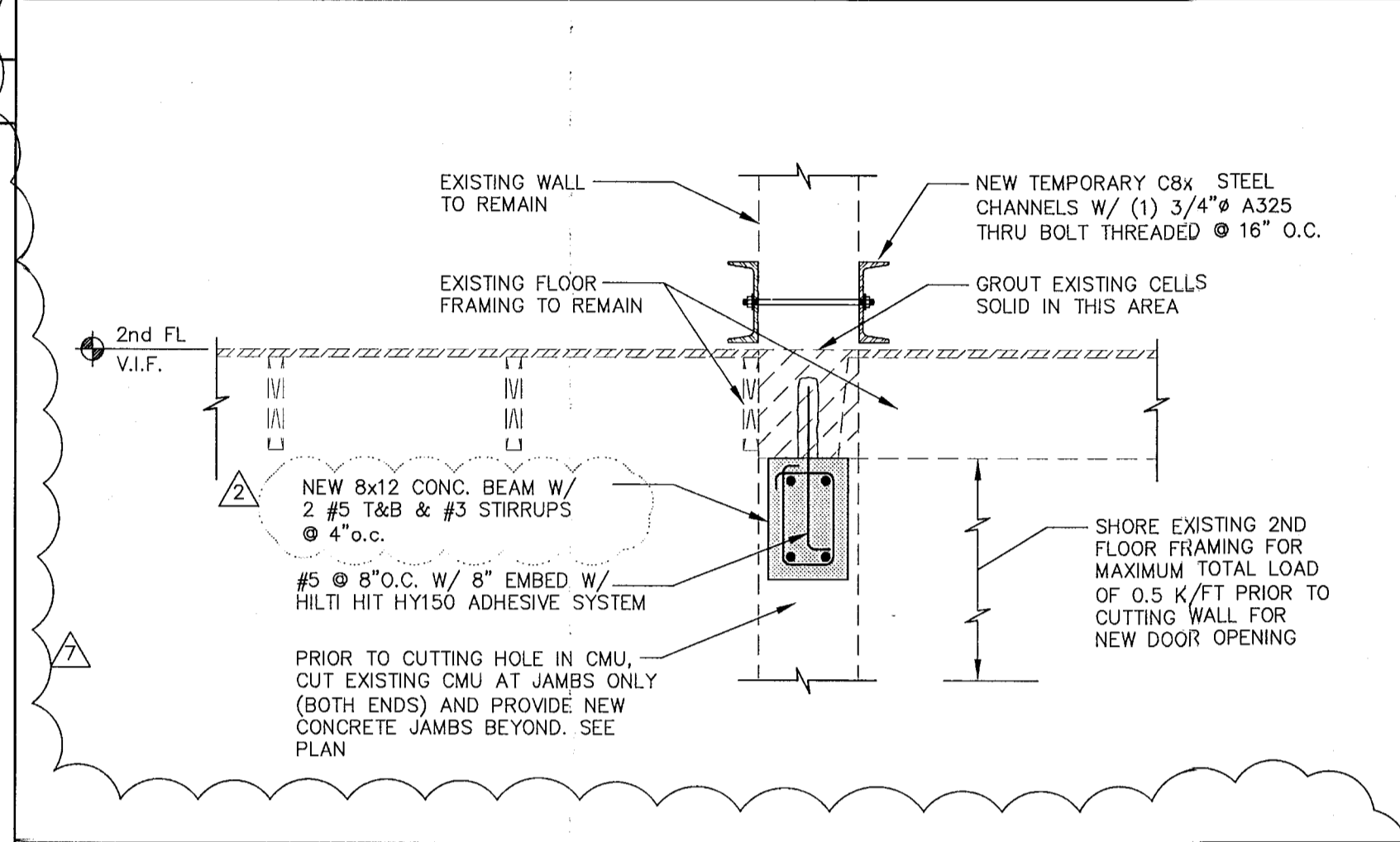
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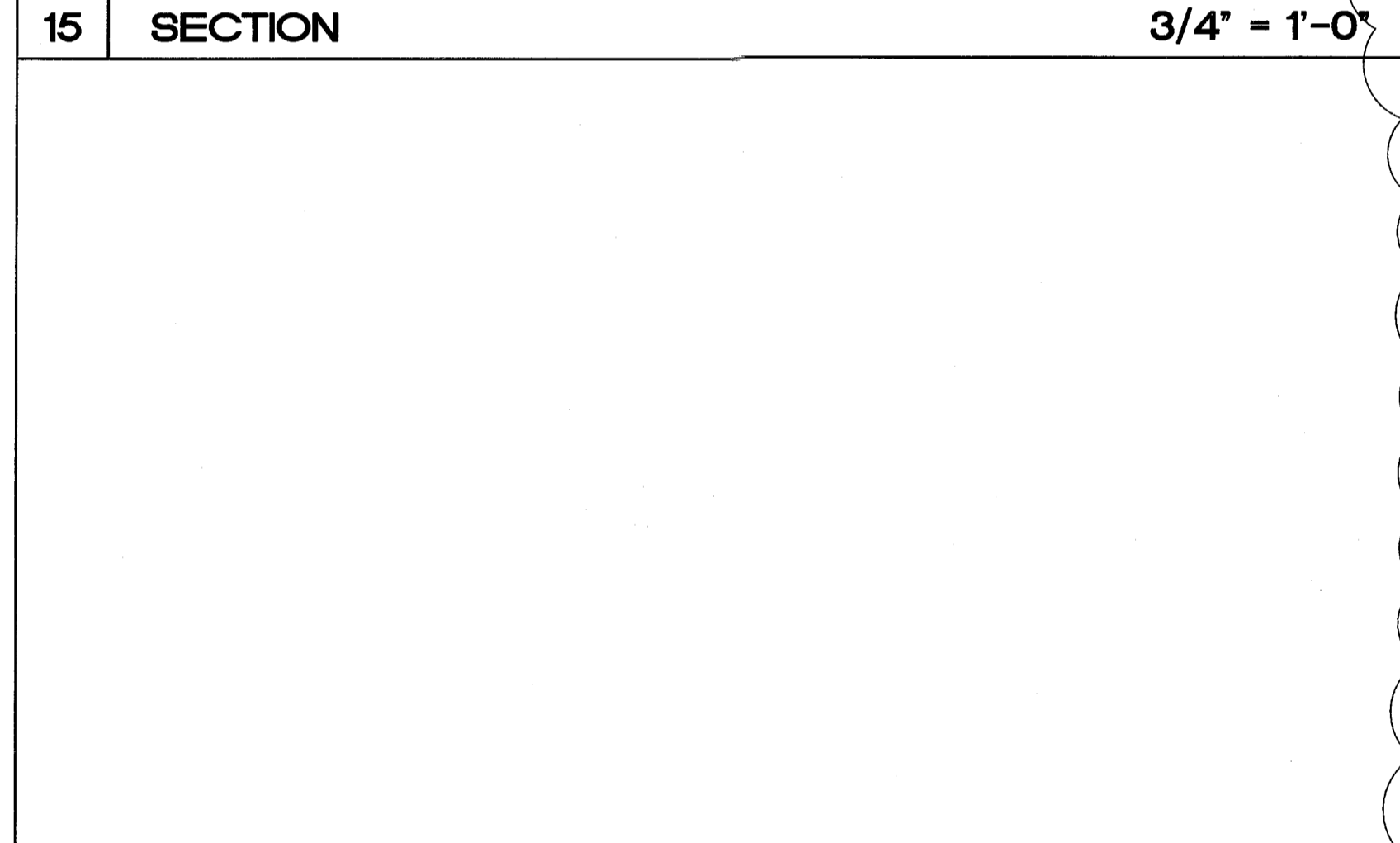
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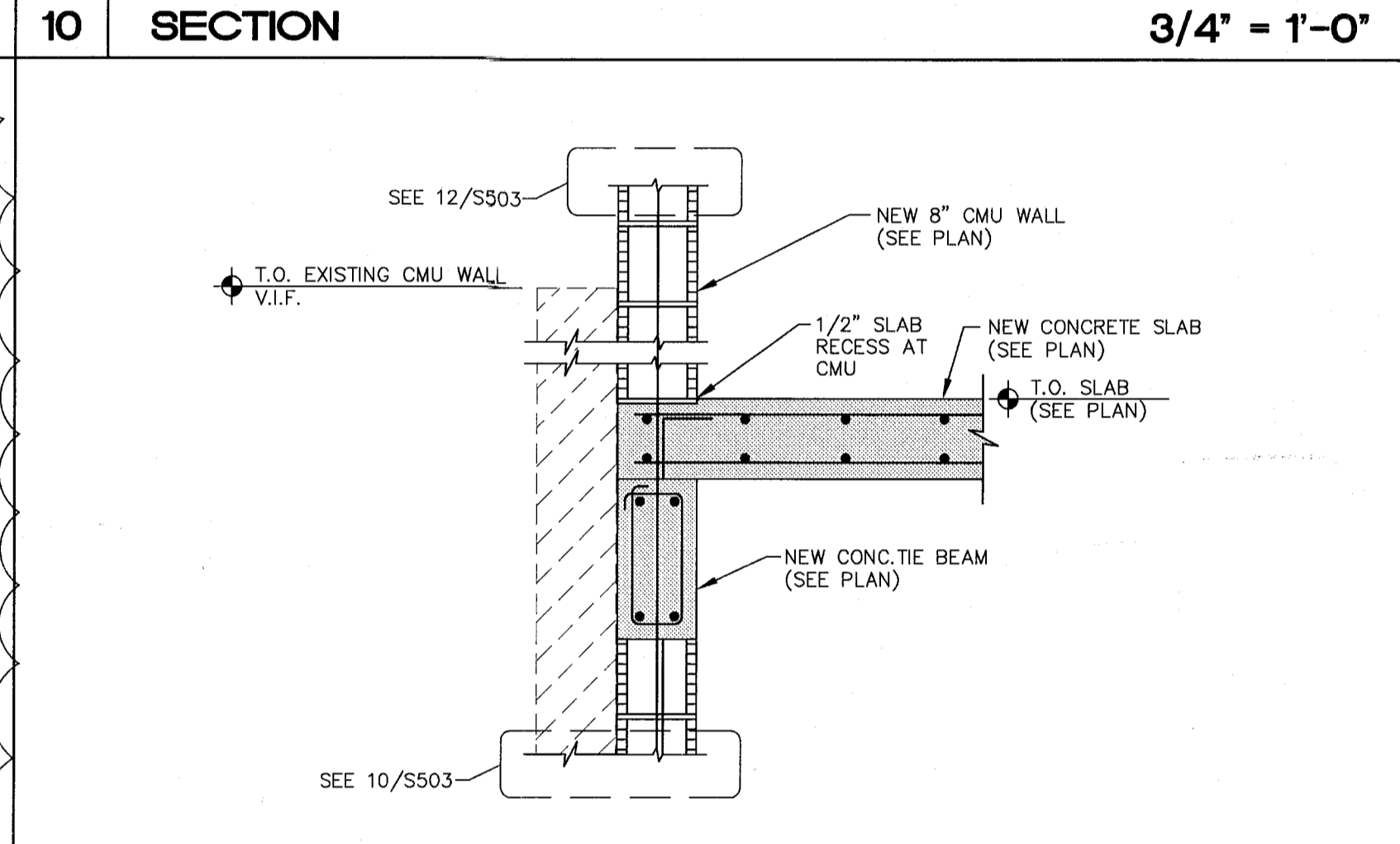
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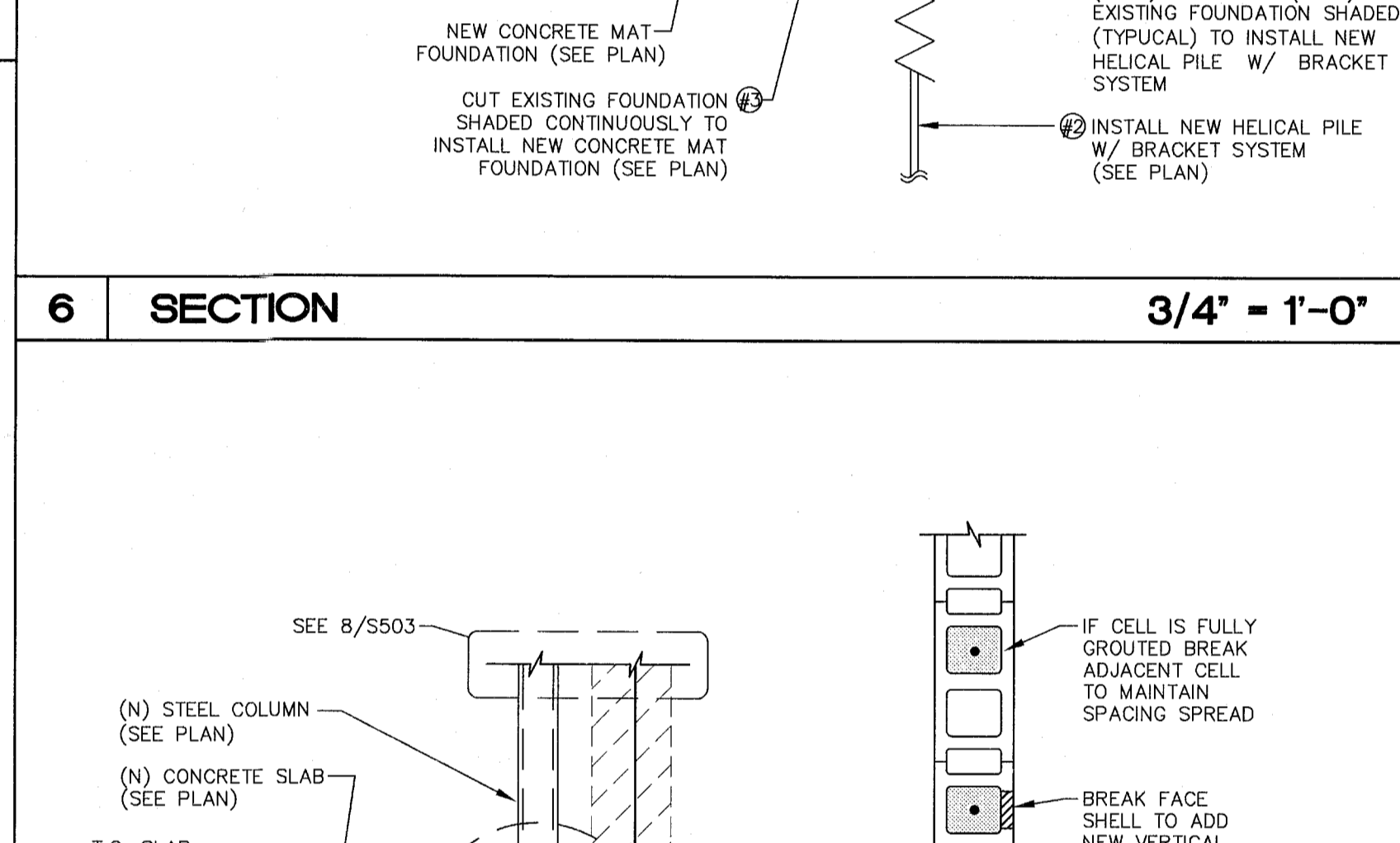
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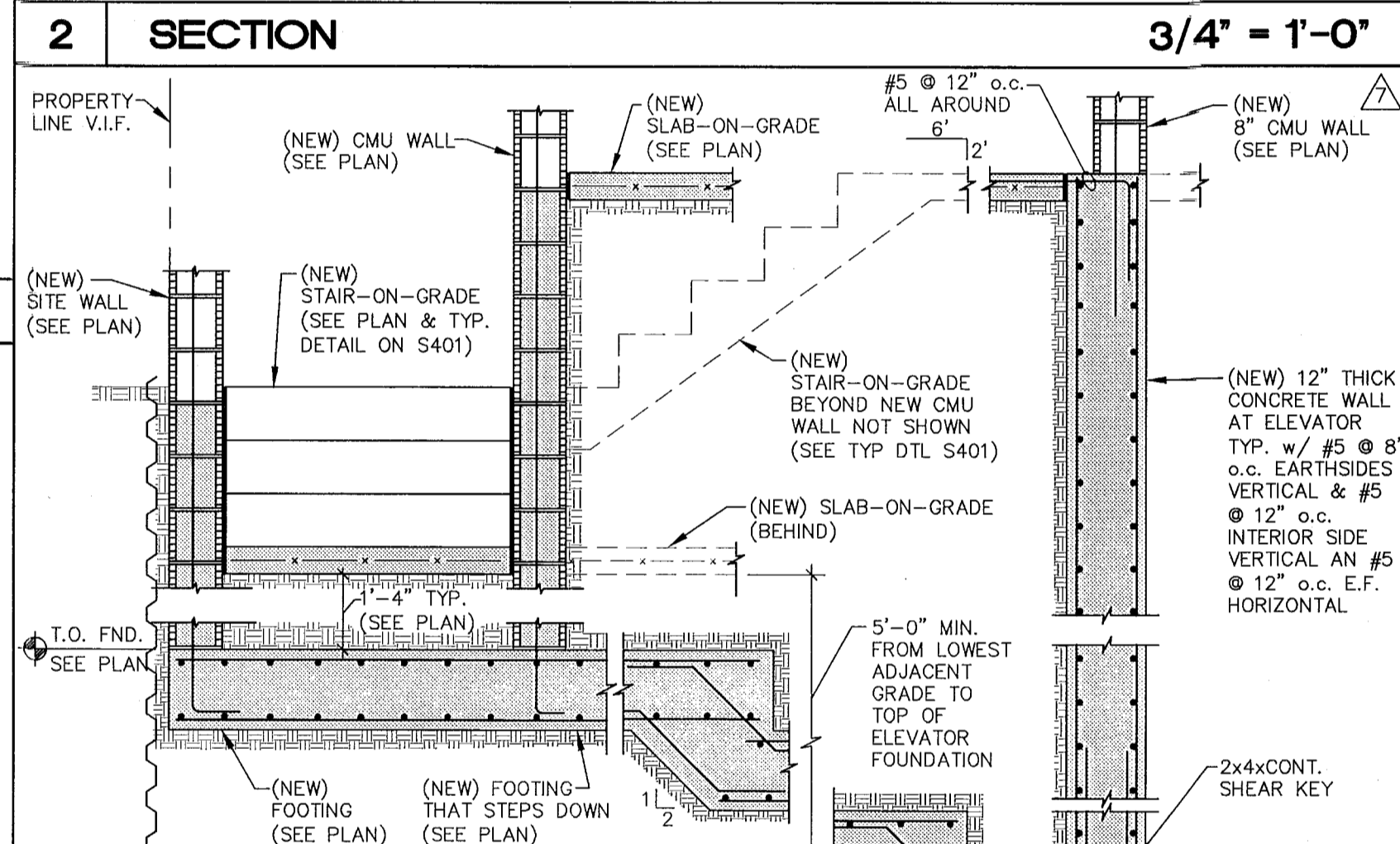
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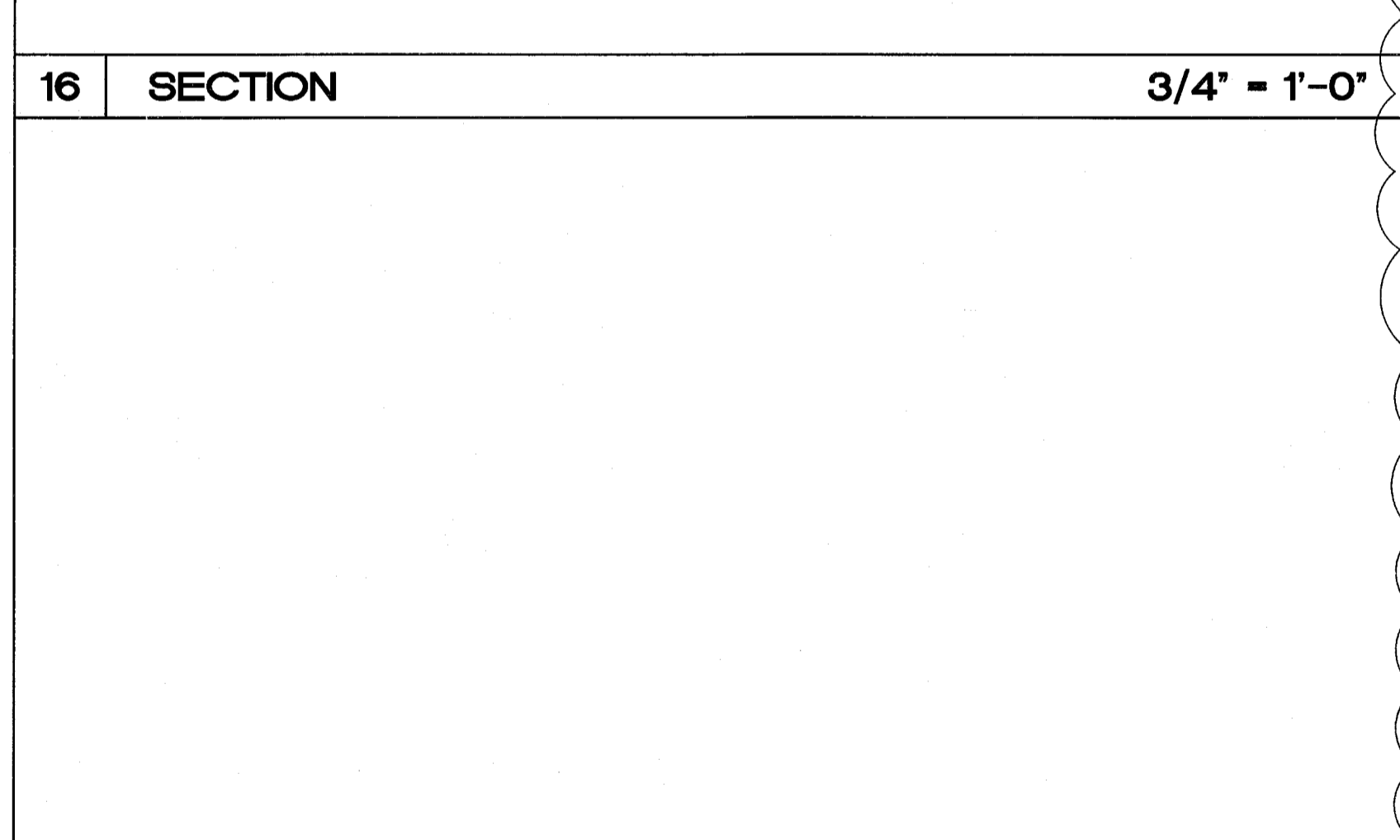
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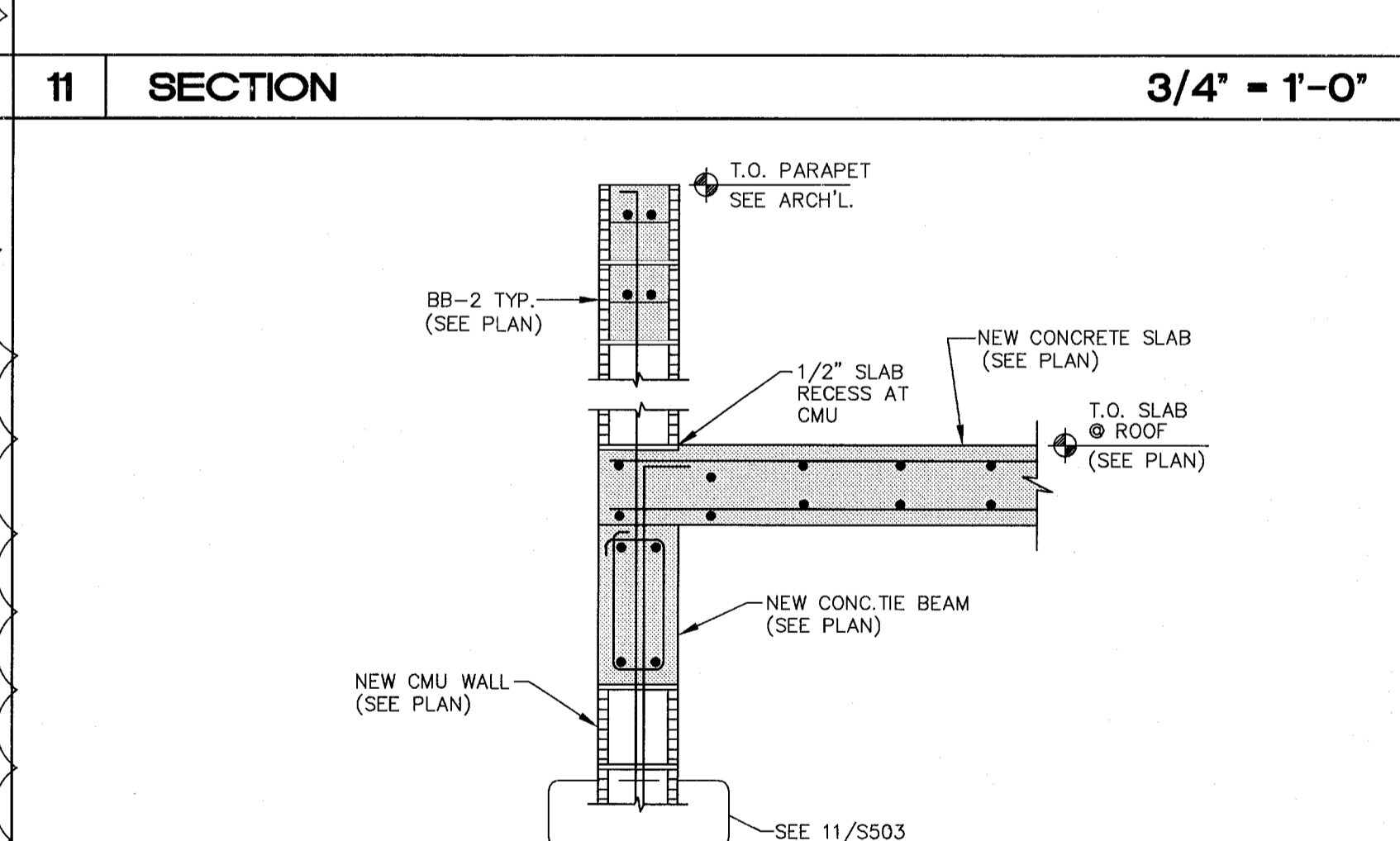
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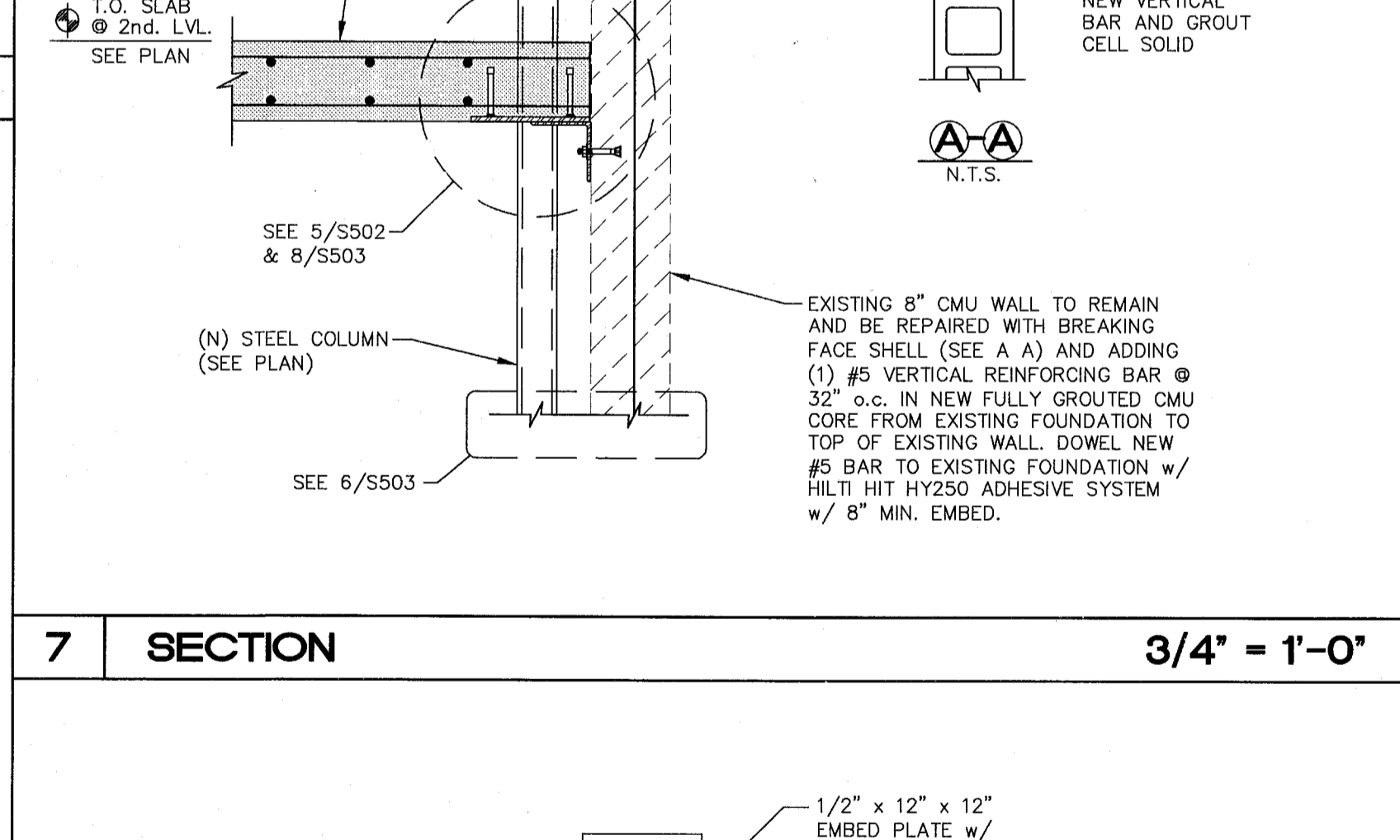
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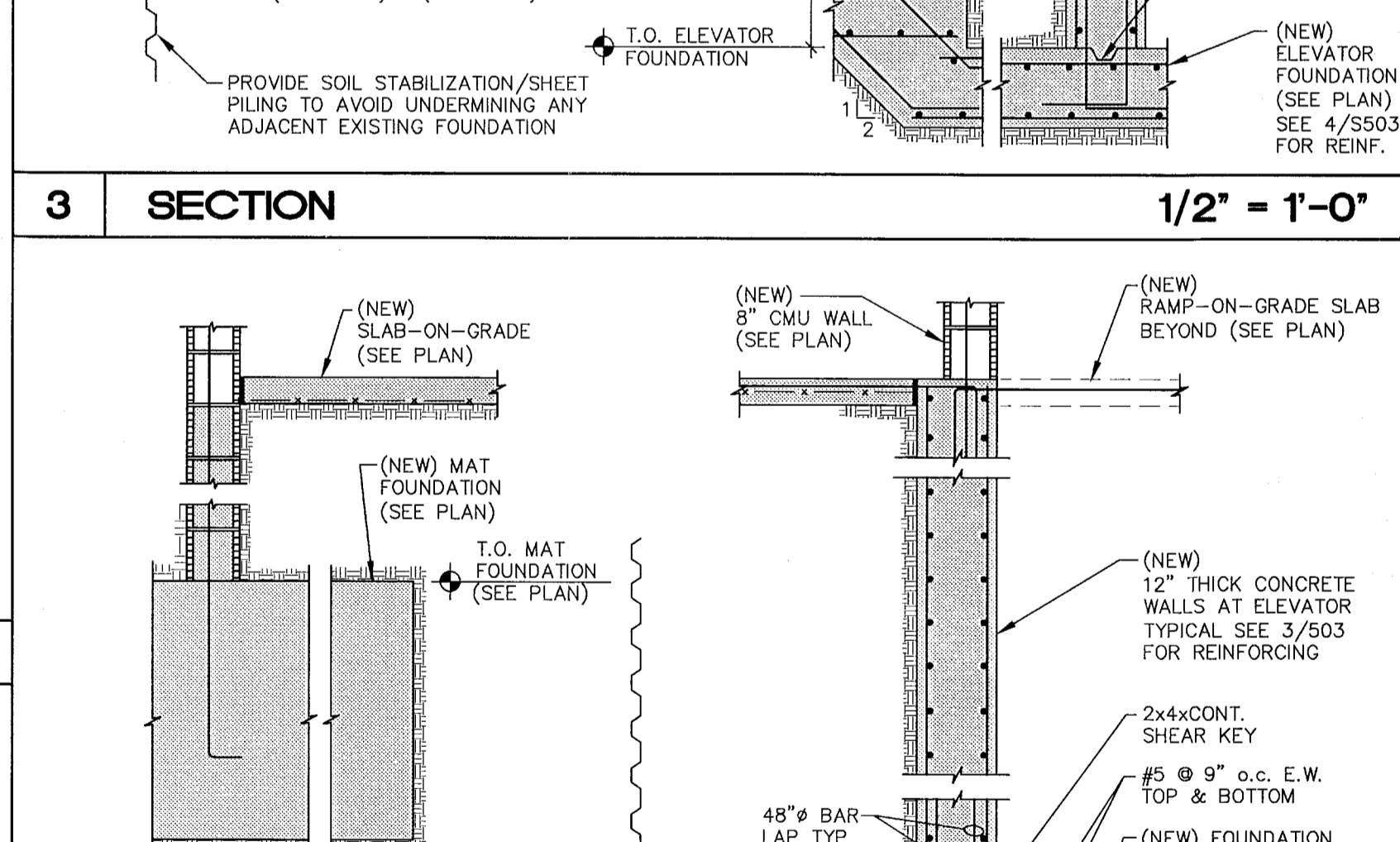
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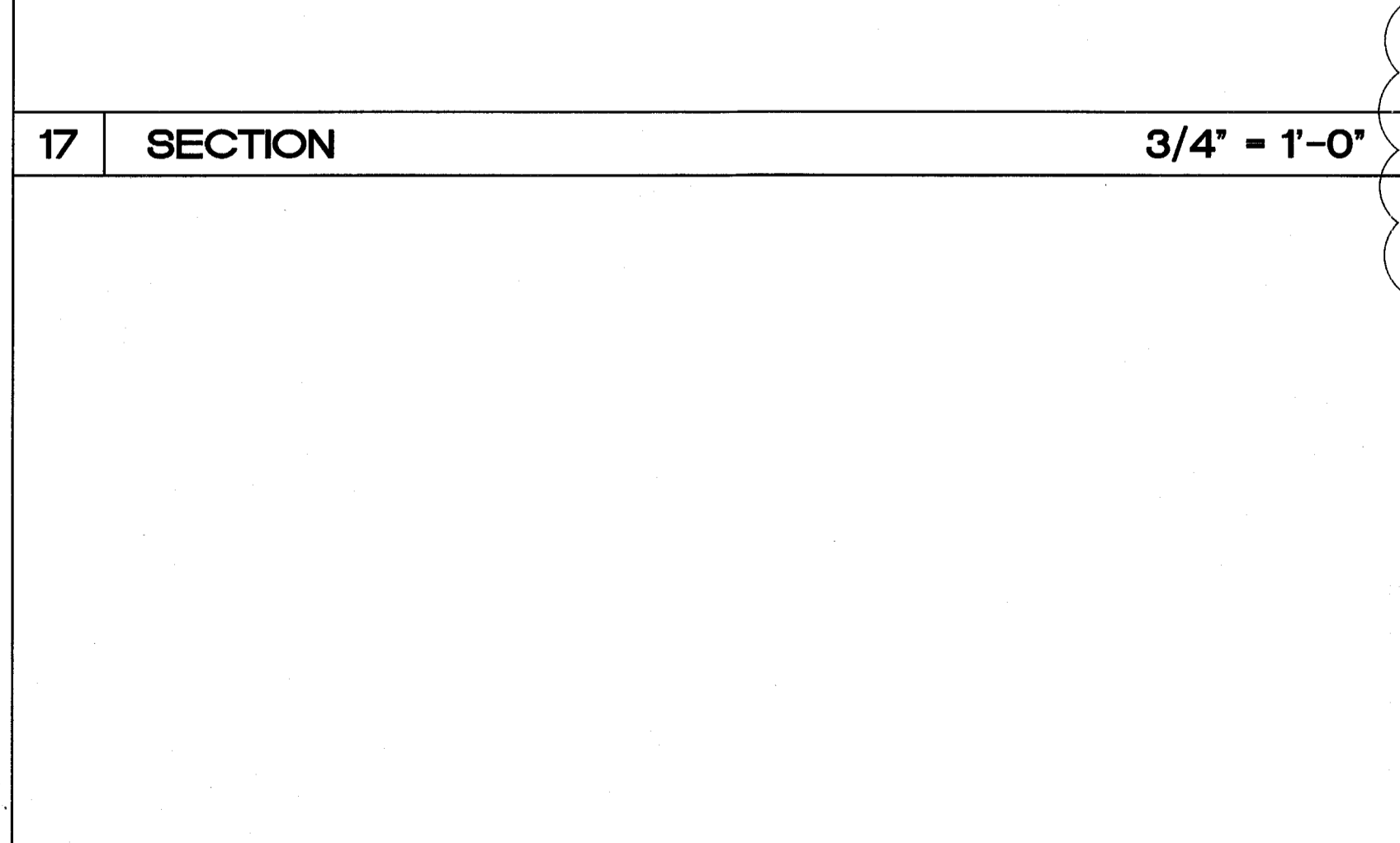
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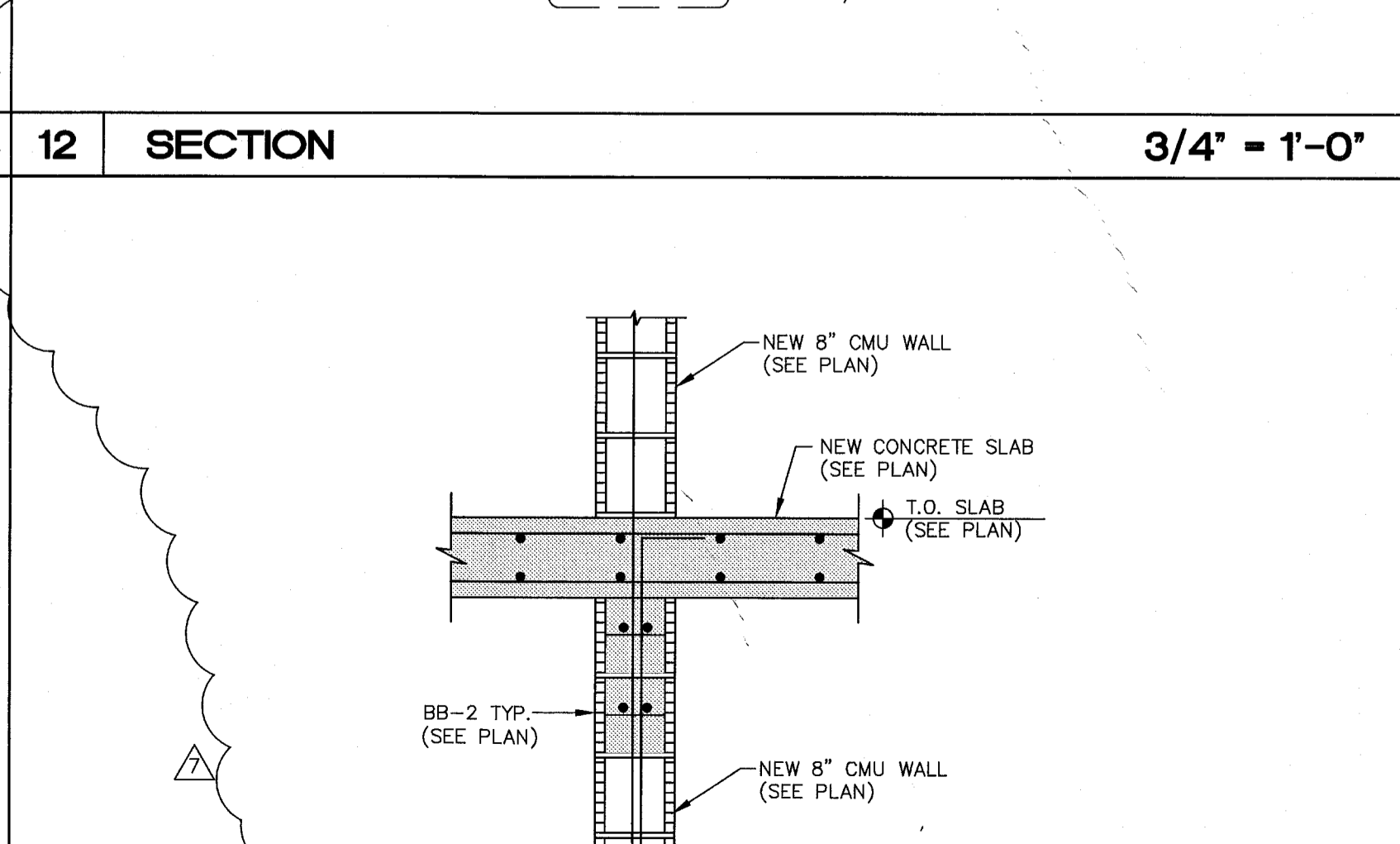
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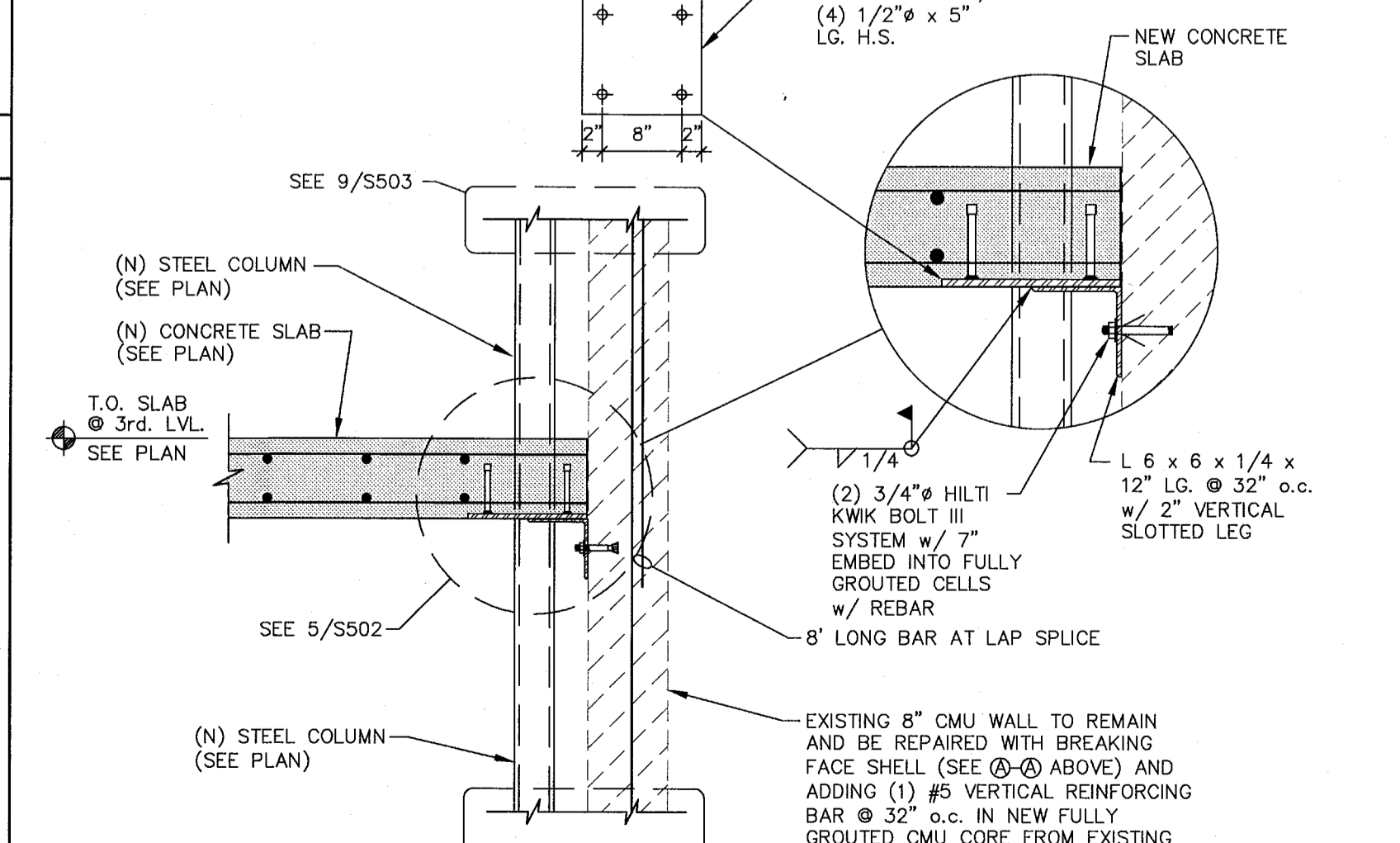
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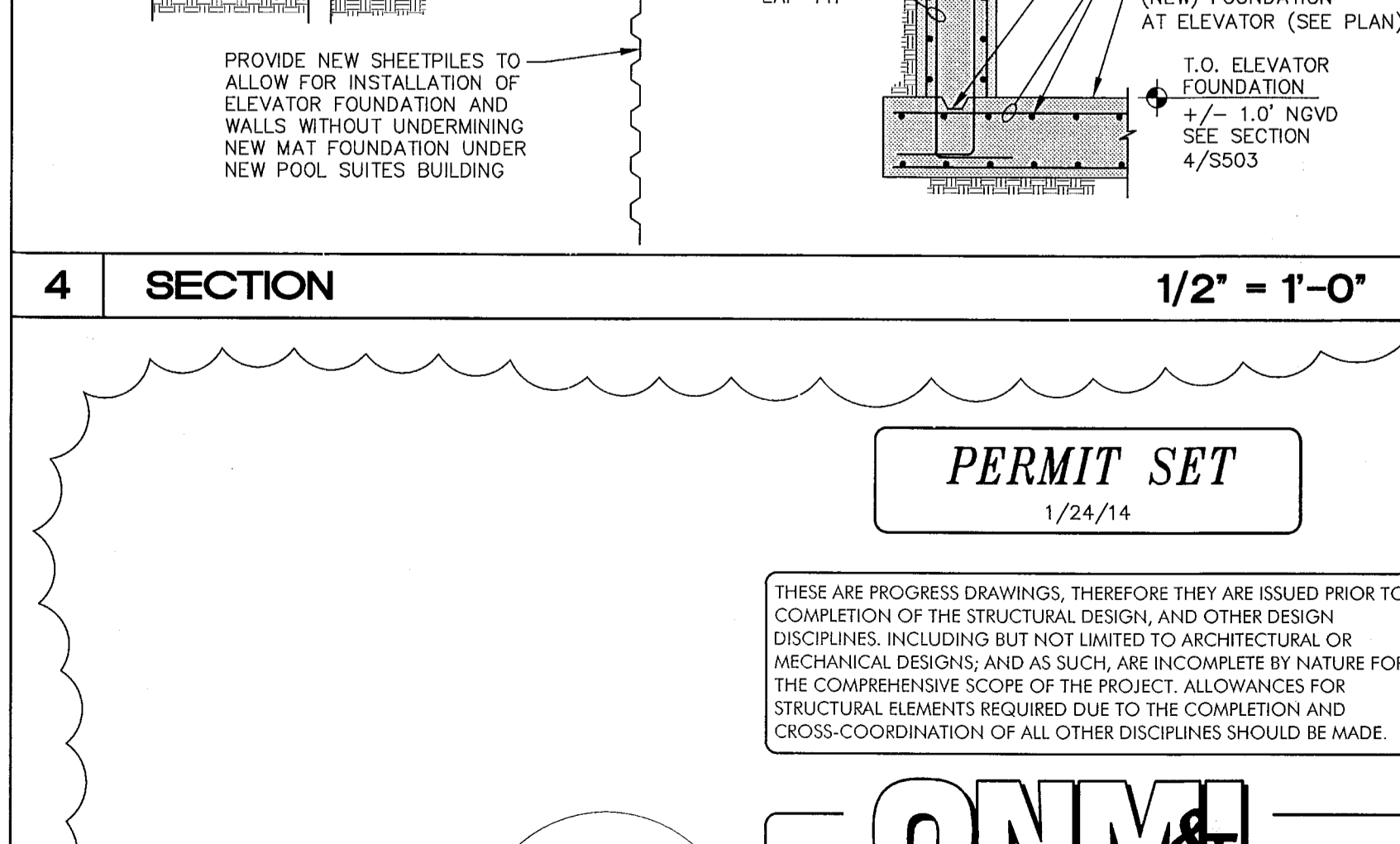
18 SECTION 3/4" = 1'-0"



13 SECTION 3/4" = 1'-0"



8 SECTION 3/4" = 1'-0"

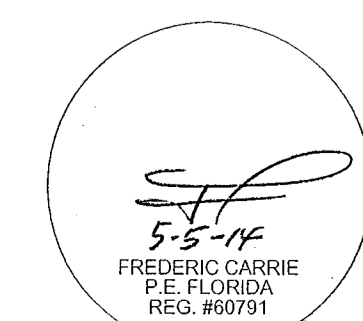


4 SECTION 1/2" = 1'-0"

PERMIT SET

1/24/14

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LIC. #0004386  
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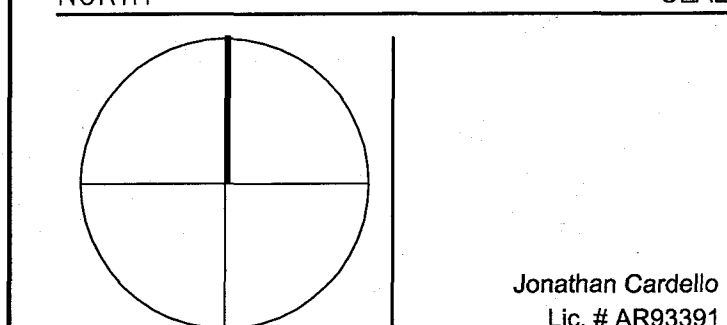
HADDON HALL  
1500 COLLINS AVE  
MIAMI BEACH, FL

KEYPLAN N.T.S.

REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14
2	PERMIT REVIEW COMMENTS	03-14-14

100% CONSTRUCTION DOCUMENT SET

NORTH SEAL



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JOB NUMBER: 13036.00

CHECKED BY:

ISSUE DATE: MARCH 14, 2014

SCALE: AS NOTED

SHEET TITLE

BASEMENT DEMOLITION PLAN

M0.00

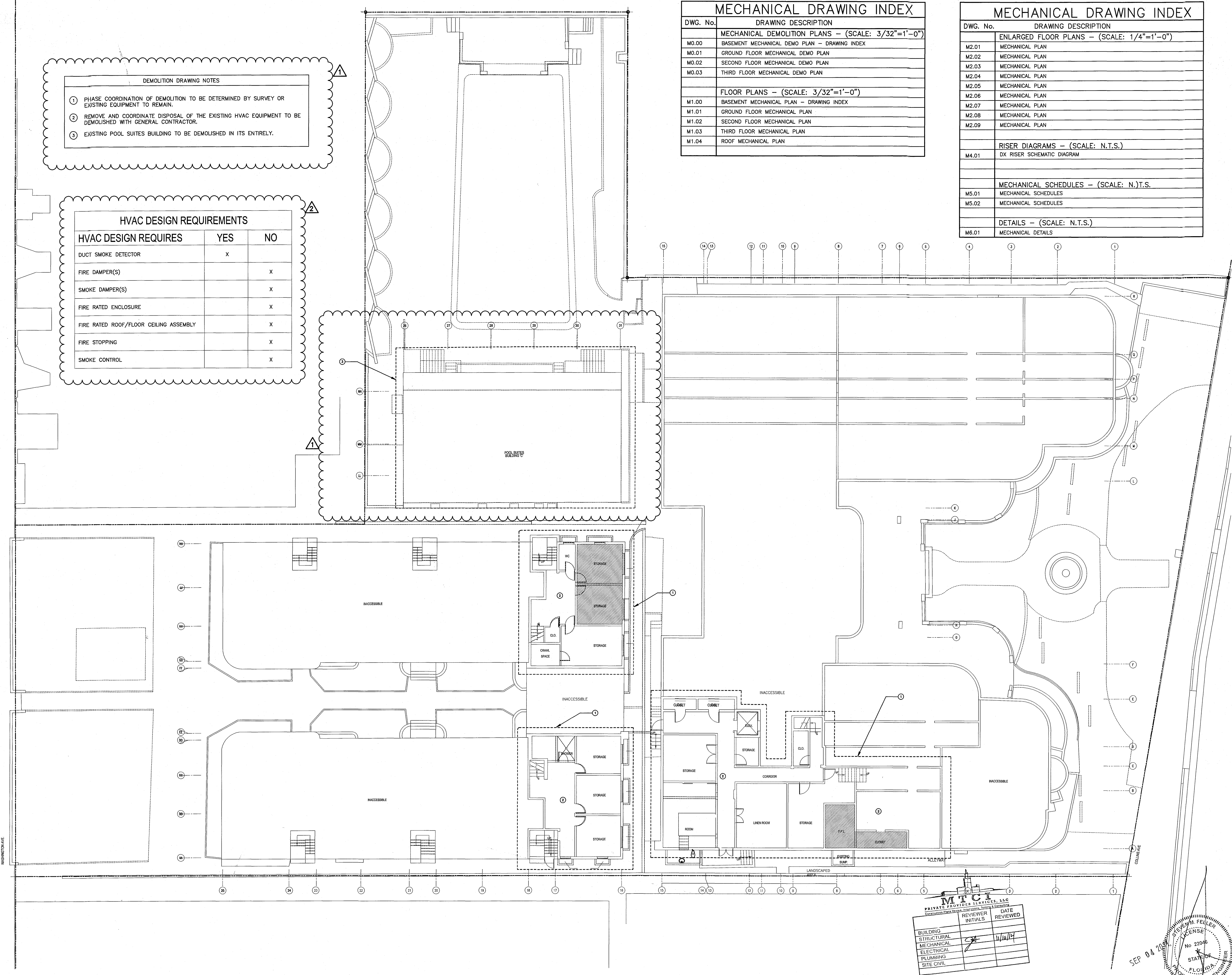
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MECHANICAL DRAWING INDEX	
DWG. No.	DRAWING DESCRIPTION
MECHANICAL DEMOLITION PLANS - (SCALE: 3/32"=1'-0")	
M0.00	BASEMENT MECHANICAL DEMO PLAN - DRAWING INDEX
M0.01	GROUND FLOOR MECHANICAL DEMO PLAN
M0.02	SECOND FLOOR MECHANICAL DEMO PLAN
M0.03	THIRD FLOOR MECHANICAL DEMO PLAN
FLOOR PLANS - (SCALE: 3/32"=1'-0")	
M1.00	BASEMENT MECHANICAL PLAN - DRAWING INDEX
M1.01	GROUND FLOOR MECHANICAL PLAN
M1.02	SECOND FLOOR MECHANICAL PLAN
M1.03	THIRD FLOOR MECHANICAL PLAN
M1.04	ROOF MECHANICAL PLAN

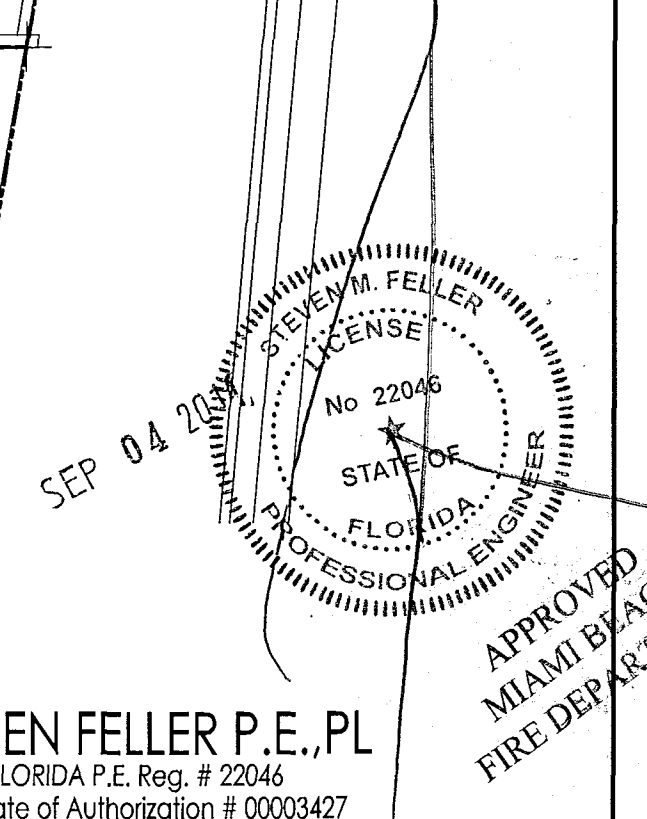
MECHANICAL DRAWING INDEX	
DWG. No.	DRAWING DESCRIPTION
ENLARGED FLOOR PLANS - (SCALE: 1/4"=1'-0")	
M2.01	MECHANICAL PLAN
M2.02	MECHANICAL PLAN
M2.03	MECHANICAL PLAN
M2.04	MECHANICAL PLAN
M2.05	MECHANICAL PLAN
M2.06	MECHANICAL PLAN
M2.07	MECHANICAL PLAN
M2.08	MECHANICAL PLAN
M2.09	MECHANICAL PLAN
RISER DIAGRAMS - (SCALE: N.T.S.)	
M4.01	DX RISER SCHEMATIC DIAGRAM
MECHANICAL SCHEDULES - (SCALE: N.T.S.)	
M5.01	MECHANICAL SCHEDULES
M5.02	MECHANICAL SCHEDULES
DETAILS - (SCALE: N.T.S.)	
M6.01	MECHANICAL DETAILS

DEMOLITION DRAWING NOTES	
1	PHASE COORDINATION OF DEMOLITION TO BE DETERMINED BY SURVEY OR EXISTING EQUIPMENT TO REMAIN.
2	REMOVE AND COORDINATE DISPOSAL OF THE EXISTING HVAC EQUIPMENT TO BE DEMOLISHED WITH GENERAL CONTRACTOR.
3	EXISTING POOL SUITES BUILDING TO BE DEMOLISHED IN ITS ENTIRETY.

HVAC DESIGN REQUIREMENTS		
HVAC DESIGN REQUIRES	YES	NO
DUCT SMOKE DETECTOR	X	
FIRE DAMPER(S)		X
SMOKE DAMPER(S)		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X



PRIVATE FLOOR SERVICES, LLC		
REVIEWER INITIALS	DATE REVIEWED	
BUILDING		
STRUCTURAL		
MECHANICAL		
ELECTRICAL		
PLUMBING		
SITE CIVIL		



BASEMENT MECHANICAL DEMOLITION PLAN  
SCALE: 3/32"=1'-0"

STEVEN FELLER P.E., PL  
FLORIDA P.E. REG. # 22046  
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500 N.E. THIRD AVENUE  
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e-mail: fellerpe@fellerpe.com  
JOB # 13153

**HADDON HALL  
1500 COLLINS AVE**  
MIAMI BEACH, FL

KEYPLAN N.T.S.

**DEMOLITION DRAWING NOTES**

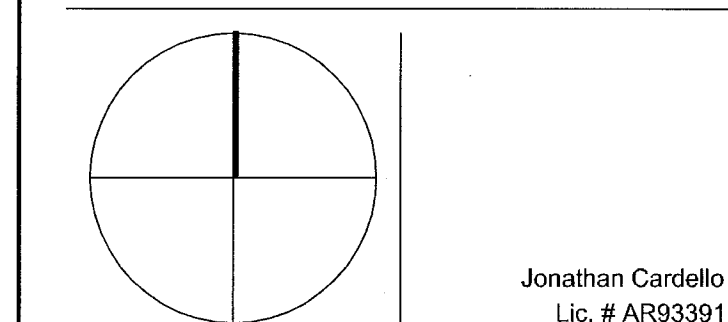
- 1 REMOVE EXISTING WINDOW UNITS AND REMOVE FROM SITE. COORDINATE DISPOSAL OF THE EXISTING HVAC EQUIPMENT TO BE DEMOLISHED WITH GENERAL CONTRACTOR. (TYPICAL FOR ALL WINDOW UNITS)
- 2 REMOVE EXISTING VENTILATION DUCTWORK AND FANS AT EXISTING CAMPTON APARTMENTS ONLY. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT.
- 3 REMOVE EXISTING AHU/CU AT LOUNGE AND DISCONNECT FROM EXISTING DUCTWORK. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE SITE WITH NEW LAYOUT.
- 4 EXISTING VENTILATION DUCTWORK AND RISER TO REMAIN AT THIS BATHROOMS IN CAMPTON APARTMENTS ONLY. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT.
- 5 EXISTING VENTILATION DUCTWORK AND RISER TO REMAIN AT THESE BATHROOMS IN HADDON HALL GUESTROOMS ONLY. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT. RELOCATE SELECT WALL VENTILATION GRILLES WHEREIN CONFLICT WITH NEW PROPOSED SECONDARY CEILING.
- 6 EXISTING VENTILATION DUCTWORK AND RISER TO REMAIN AT THESE COMMON AREA BATHROOMS IN HADDON HALL BUILDING. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT.
- 7 EXISTING HVAC EQUIPMENT, DUCTWORK AND RISER TO BE DEMOLISHED.
- 8 EXISTING POOL SUITES BUILDING TO BE DEMOLISHED IN ITS ENTIRETY.

**REVISIONS**

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14

**100% CONSTRUCTION DOCUMENT SET**

NORTH SEAL



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JOB NUMBER: 13036.00

CHECKED BY:

ISSUE DATE: MARCH 14, 2014

SCALE: AS NOTED

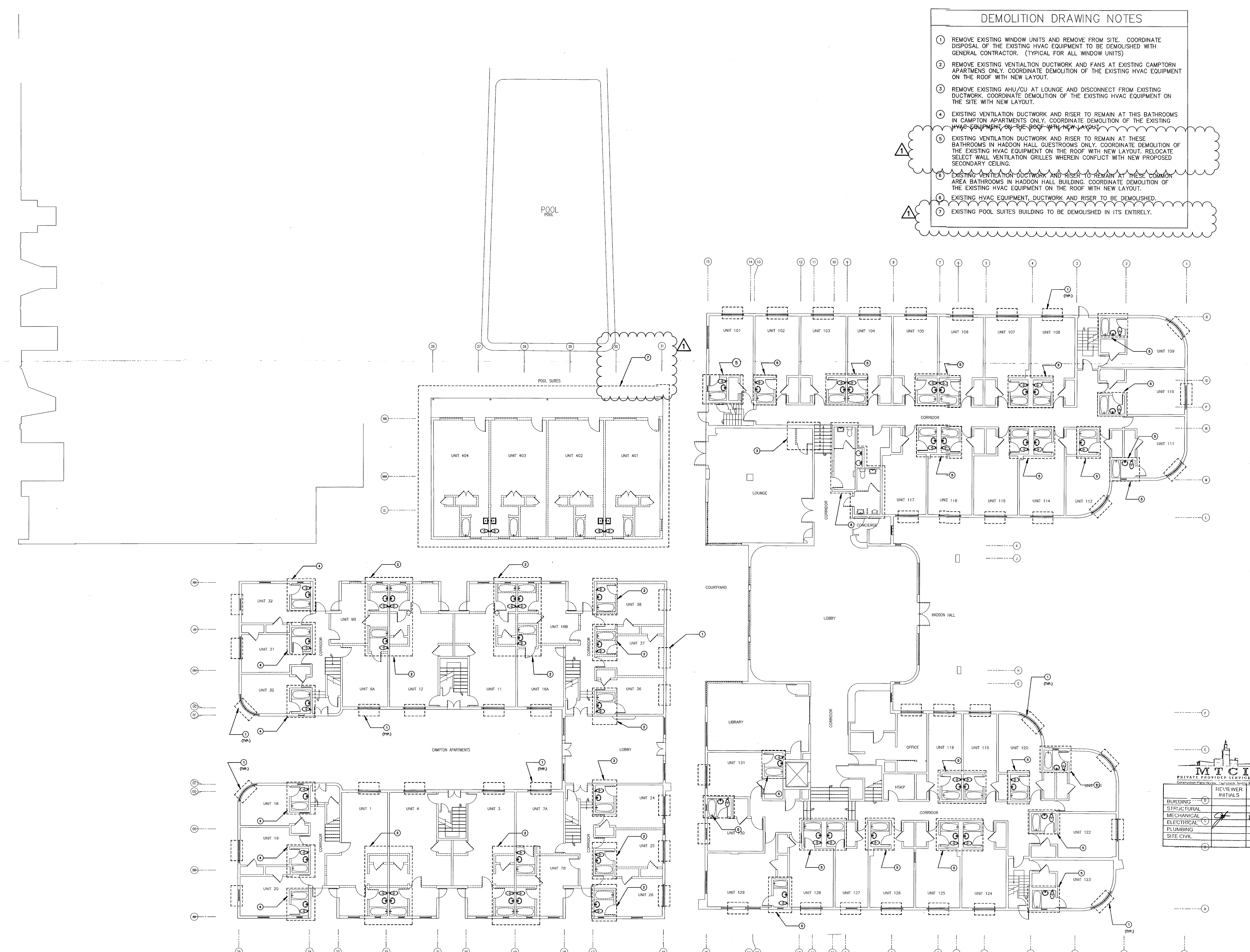
SHEET TITLE

**GROUND FLOOR  
DEMOLITION PLAN**

SHEET NUMBER

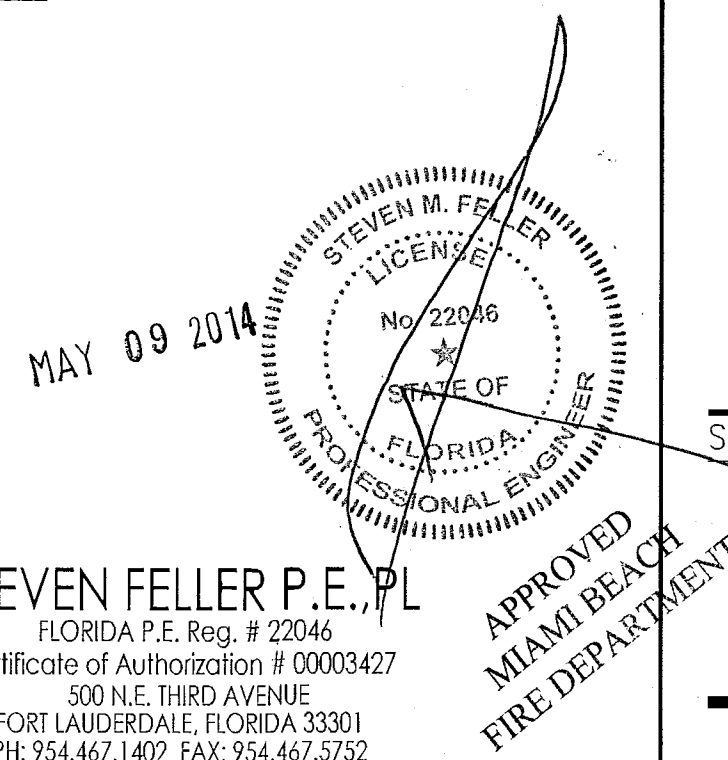
**M0.01**

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**GROUND FLOOR MECHANICAL DEMOLITION PLAN**  
SCALE: 3/32" = 1'-0"

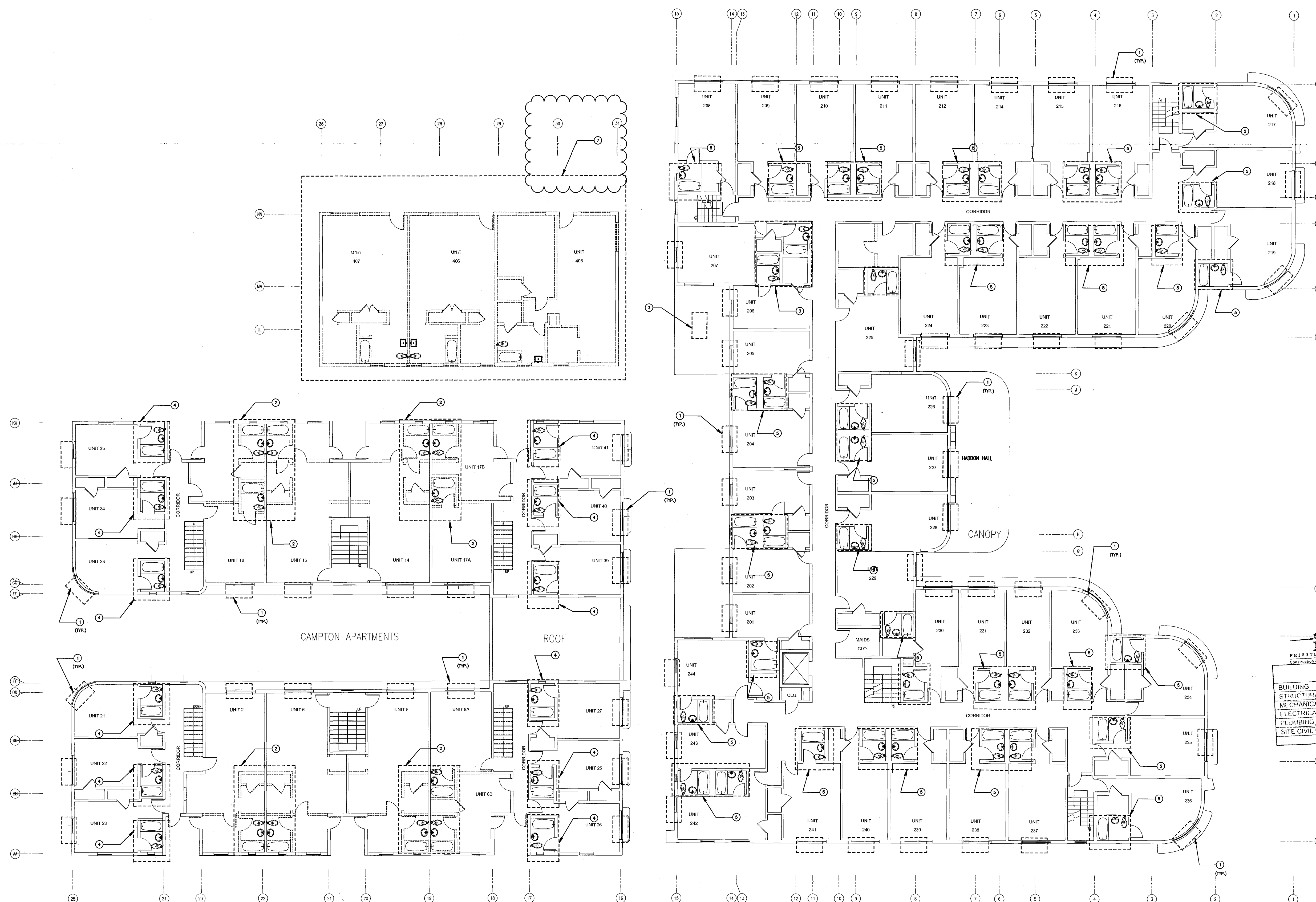
**STEVEN FELLER P.E., P.L.**  
FLORIDA P.E. Reg. # 22046  
Certificate of Authorization # 00000427  
500 N.E. 1180 AVENUE  
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e-mail: sfeller@fellepe.com  
JOB # 13153



APPROVED  
MIAMI BEACH  
FIRE DEPARTMENT

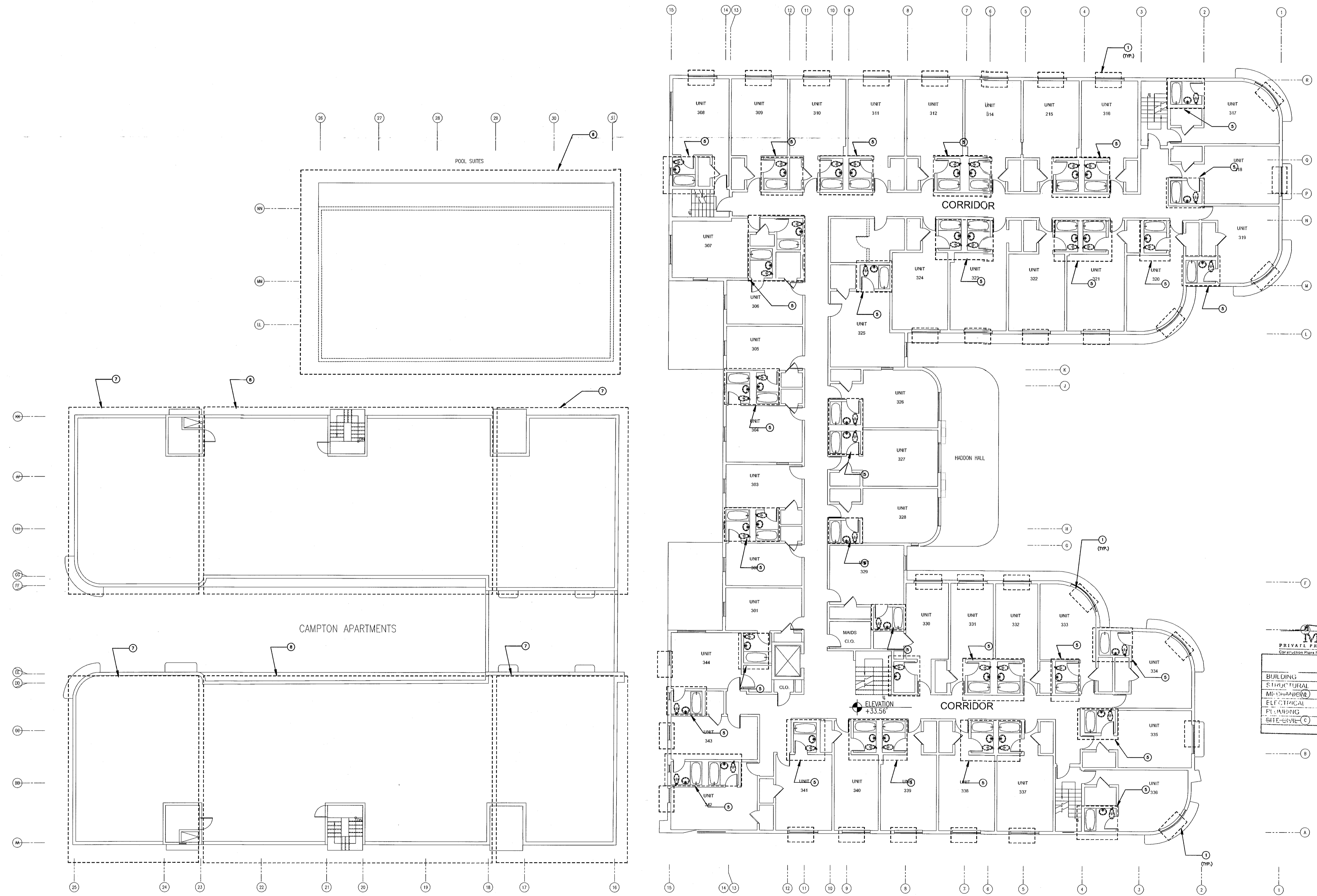
DEMOLITION DRAWING NOTES

- 1 REMOVE EXISTING WINDOW UNITS AND REMOVE FROM SITE. COORDINATE DISPOSAL OF THE EXISTING HVAC EQUIPMENT TO BE DEMOLISHED WITH GENERAL CONTRACTOR. (TYPICAL FOR ALL WINDOW UNITS)
- 2 REMOVE EXISTING VENTILATION DUCTWORK AND FANS AT EXISTING CAMPTON APARTMENTS ONLY. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT.
- 3 REMOVE EXISTING AHU/CU AT LOUNGE AND DISCONNECT FROM EXISTING DUCTWORK TO REMAIN. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT.
- 4 EXISTING VENTILATION DUCTWORK AND RISER TO REMAIN AT THESE BATHROOMS IN HADDON HALL GUESTROOMS ONLY. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT. RELOCATE SELECT WALL VENTILATION GRILLES WHEREIN CONFLICT WITH NEW PROPOSED SECONDARY CEILING.
- 5 EXISTING VENTILATION DUCTWORK AND RISER TO REMAIN AT THESE BATHROOMS IN HADDON HALL GUESTROOMS ONLY. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT.
- 6 EXISTING STRUCTURE TO REMAIN. EXISTING HVAC, VENTILATION DUCTWORK AND RISER TO BE DEMOLISHED.
- 7 EXISTING POOL SUITES BUILDING TO BE DEMOLISHED IN ITS ENTIRETY.



DEMOLITION DRAWING NOTES

- 1 REMOVE EXISTING WINDOW UNITS AND REMOVE FROM SITE. COORDINATE DISPOSAL OF THE EXISTING HVAC EQUIPMENT TO BE DEMOLISHED WITH GENERAL CONTRACTOR. (TYPICAL FOR ALL WINDOW UNITS)
- 2 REMOVE EXISTING VENTILATION DUCTWORK AND FANS AT EXISTING CAMPTON APARTMENTS ONLY. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT.
- 3 REMOVE EXISTING AHU/CU AT LIBRARY AND LOUNGE AND DISCONNECT FROM EXISTING DUCTWORK TO REMAIN. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE SITE WITH NEW LAYOUT.
- 4 EXISTING VENTILATION DUCTWORK AND RISER TO REMAIN AT THIS BATHROOMS IN CAMPTON APARTMENTS ONLY. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT.
- 5 EXISTING VENTILATION DUCTWORK AND RISER TO REMAIN AT THESE BATHROOMS IN HADDON HALL GUESTROOMS ONLY. COORDINATE DEMOLITION OF THE EXISTING HVAC EQUIPMENT ON THE ROOF WITH NEW LAYOUT. RELOCATE SELECT WALL VENTILATION GRILLES WHEREIN CONFLICT WITH NEW PROPOSED SECONDARY CEILING.
- 6 EXISTING STRUCTURE TO REMAIN. EXISTING HVAC, VENTILATION DUCTWORK AND RISER TO BE DEMOLISHED.
- 7 EXISTING HVAC EQUIPMENT ON ROOF TO REMAIN. COORDINATE WITH HVAC CONTRACTOR AND NEW WORK.
- 8 EXISTING HVAC EQUIPMENT ON ROOF TO BE DEMOLISHED. COORDINATE DISPOSAL OF THE EXISTING HVAC EQUIPMENT TO BE DEMOLISHED WITH GENERAL CONTRACTOR.



**MTCI**  
PRIVATE PROVIDER SERVICES, LLC  
Construction Plans, Specifications, Contract Documents, Construction Management, Construction Administration, Construction Safety & Compliance

BUILDINGS	DATE	INITIALS	REVIEWED
STRUCTURAL			
Mechanical	12/10/14	[Signature]	[Signature]
ELECTRICAL			
PLUMBING			
DATE ISSUED	03/14/14		

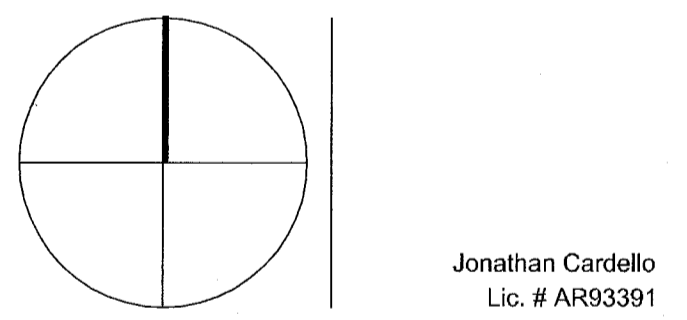
THIRD FLOOR MECHANICAL DEMOLITION PLAN  
SCALE: 3/32" = 1'-0"

REVISIONS

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14

100% CONSTRUCTION DOCUMENT SET

NORTH SEAL



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Jonathan Cardello  
Lic. # AP93391

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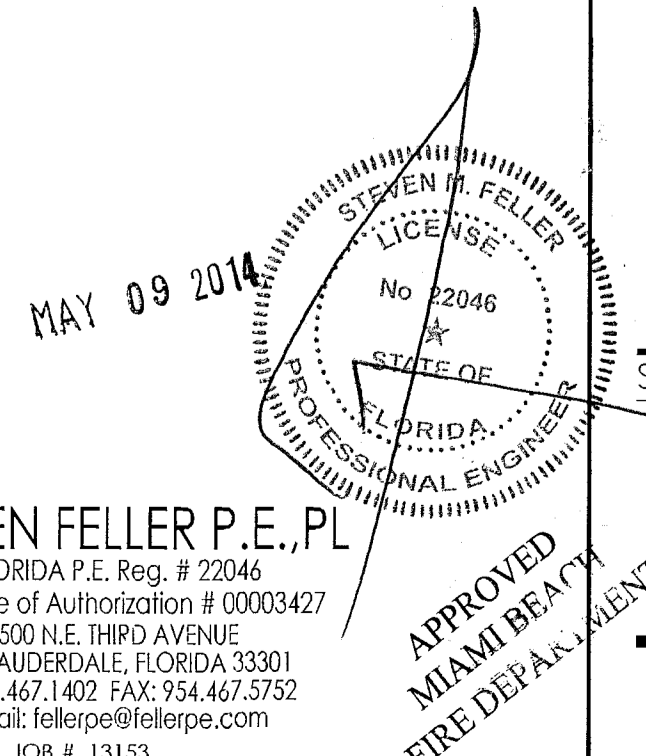
JOB NUMBER: 13036.00  
CHECKED BY:  
ISSUE DATE: MARCH 14, 2014  
SCALE: AS NOTED

SHEET TITLE

THIRD FLOOR  
DEMOLITION PLAN

SHEET NUMBER

M0.03

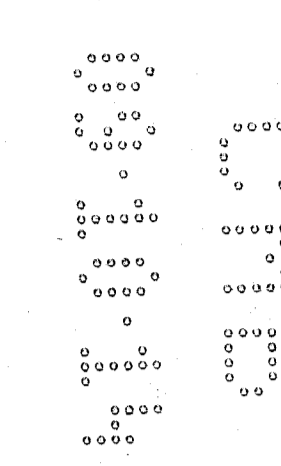


**STEVEN FELLER P.E., PL**  
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JOB # 13153



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MIAMI BEACH, FL

KEYPLAN N.T.S.



- DRAWING NOTES:**
- 1 SET OF REF. LINES RISER UP TO CU-6 ON ROOF.
  - 2 SET OF REF. LINES RISER UP TO ACCU-21 ON ROOF.
  - 3 NOT USED
  - 4 SET OF REF. LINES RISER UP TO ACCU-18 ON ROOF.
  - 5 SET OF REF. LINES RISER UP TO ACCU-16 ON ROOF.
  - 6 SET OF REF. LINES RISER UP TO ACCU-19 ON ROOF.
  - 7 SET OF REF. LINES RISER UP TO ACCU-20 ON ROOF.
  - 8 SET OF REF. LINES RISER UP TO CU-2 ON ROOF.
  - 9 SET OF REF. LINES RISER UP TO CU-1 ON ROOF.
  - 10 SET OF REF. LINES RISER UP TO CU-3 ON ROOF.
  - 11 SET OF REF. LINES RISER UP TO ACCU-1 ON ROOF.
  - 12 SET OF REF. LINES RISER UP TO ACCU-4 ON ROOF.
  - 13 SET OF REF. LINES RISER UP TO ACCU-7 ON ROOF.
  - 14 SET OF REF. LINES RISER UP TO ACCU-10 ON ROOF.
  - 15 SET OF REF. LINES RISER UP TO CU-5 ON LOW ROOF. FIELD VERIFY EXACT ROUTING.

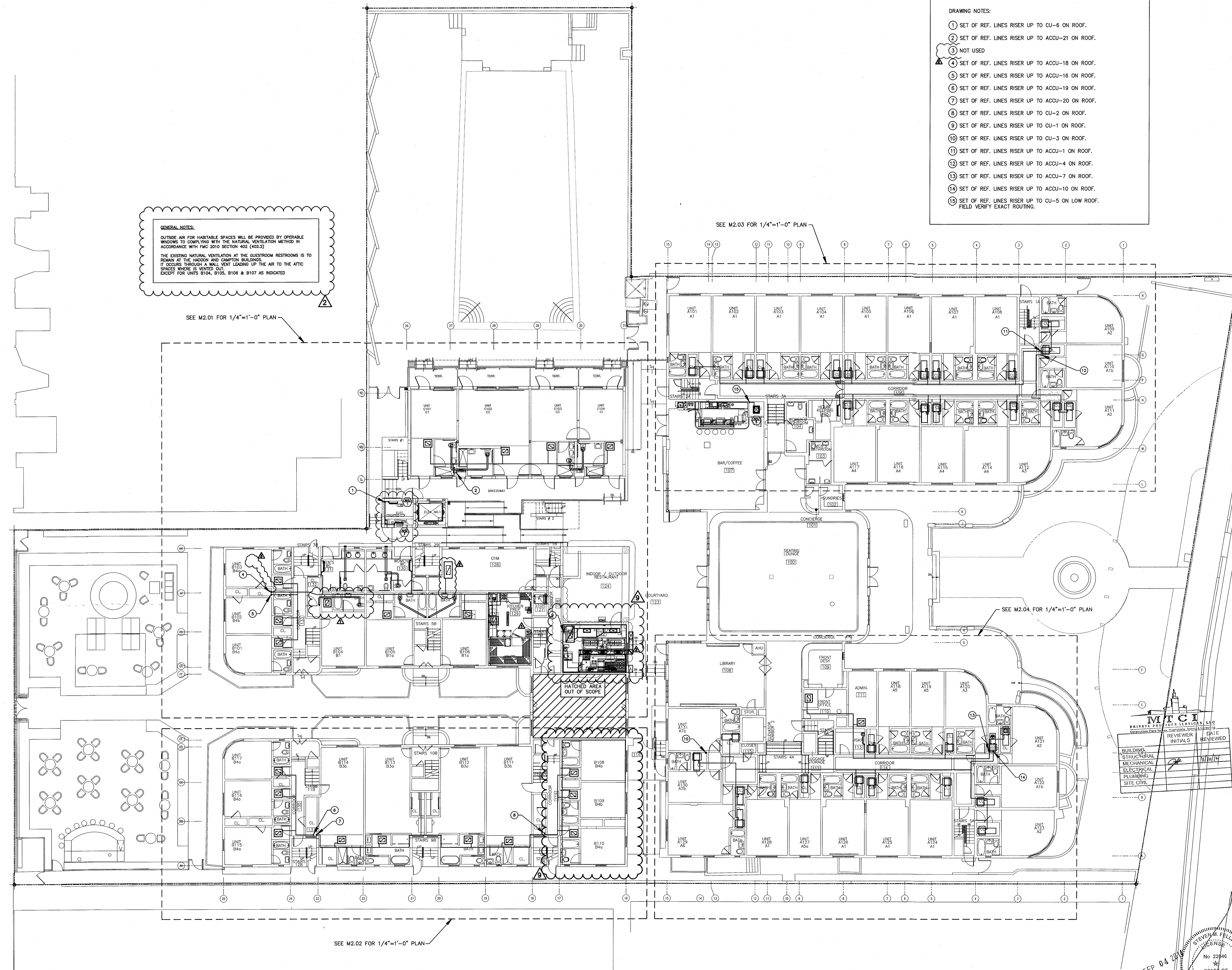
**GENERAL NOTES:**

OUTSIDE AIR FOR HABITABLE SPACES WILL BE PROVIDED BY OPERABLE WINDOWS TO COMPLY WITH THE NATURAL VENTILATION METHOD IN ACCORDANCE WITH FMC 2010 SECTION 402 (402.2)

THE EXISTING NATURAL VENTILATION AT THE GUESTROOM RESTROOMS IS TO REMAIN AT THE HADDON AND CAMPION BUILDINGS. IT OCCURS THROUGH A WALL VENT LEADING UP THE AIR TO THE ATTIC SPACES WHERE IS VENTED OUT. EXCEPT FOR UNITS B104, B105, B106 & B107 AS INDICATED

**REVISIONS**

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14
2	PERMIT REVIEW COMMENTS	03-14-14
3	COORDINATION REVISION	03-14-14
9	KITCHEN RELOCATION	05-30-14



**100% CONSTRUCTION DOCUMENT SET**

NORTH SEAL

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JOB NUMBER: 13036.00  
CHECKED BY:  
ISSUE DATE: MARCH 14, 2014  
SCALE: AS NOTED

SHEET TITLE

**GROUND FLOOR MECHANICAL PLAN**

SHEET NUMBER

**M1.01**

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**GROUND FLOOR MECHANICAL PLAN**  
SCALE: 3/32" = 1'-0"

**STEVEN FELLER P.E., PL**  
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SEP 04 2014  
STEVEN A. FELLER  
REGISTERED PROFESSIONAL ENGINEER  
No. 22846  
STATE OF FLORIDA  
MECHANICAL ENGINEER

APPROVED  
MIAMI BEACH  
FIRE DEPARTMENT

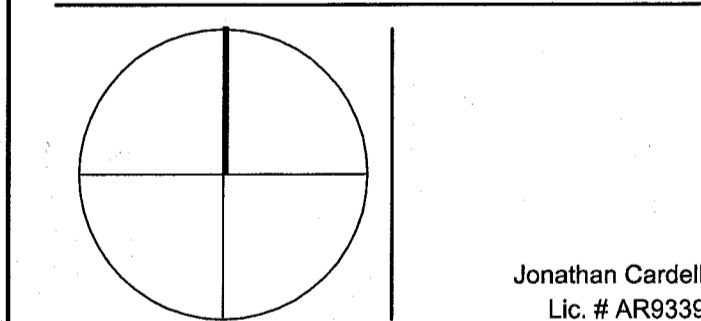
**HADDON HALL**  
**1500 COLLINS AVE**  
 MIAMI BEACH, FL

KEYPLAN N.T.S.

REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14
2	PERMIT REVIEW COMMENTS	03-14-14
3	COORDINATION REVISION	03-14-14

**100% CONSTRUCTION DOCUMENT SET**

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JOB NUMBER: 13036.00

CHECKED BY:

ISSUE DATE: MARCH 14, 2014

SCALE: AS NOTED

SHEET TITLE

**SECOND FLOOR MECHANICAL PLAN**

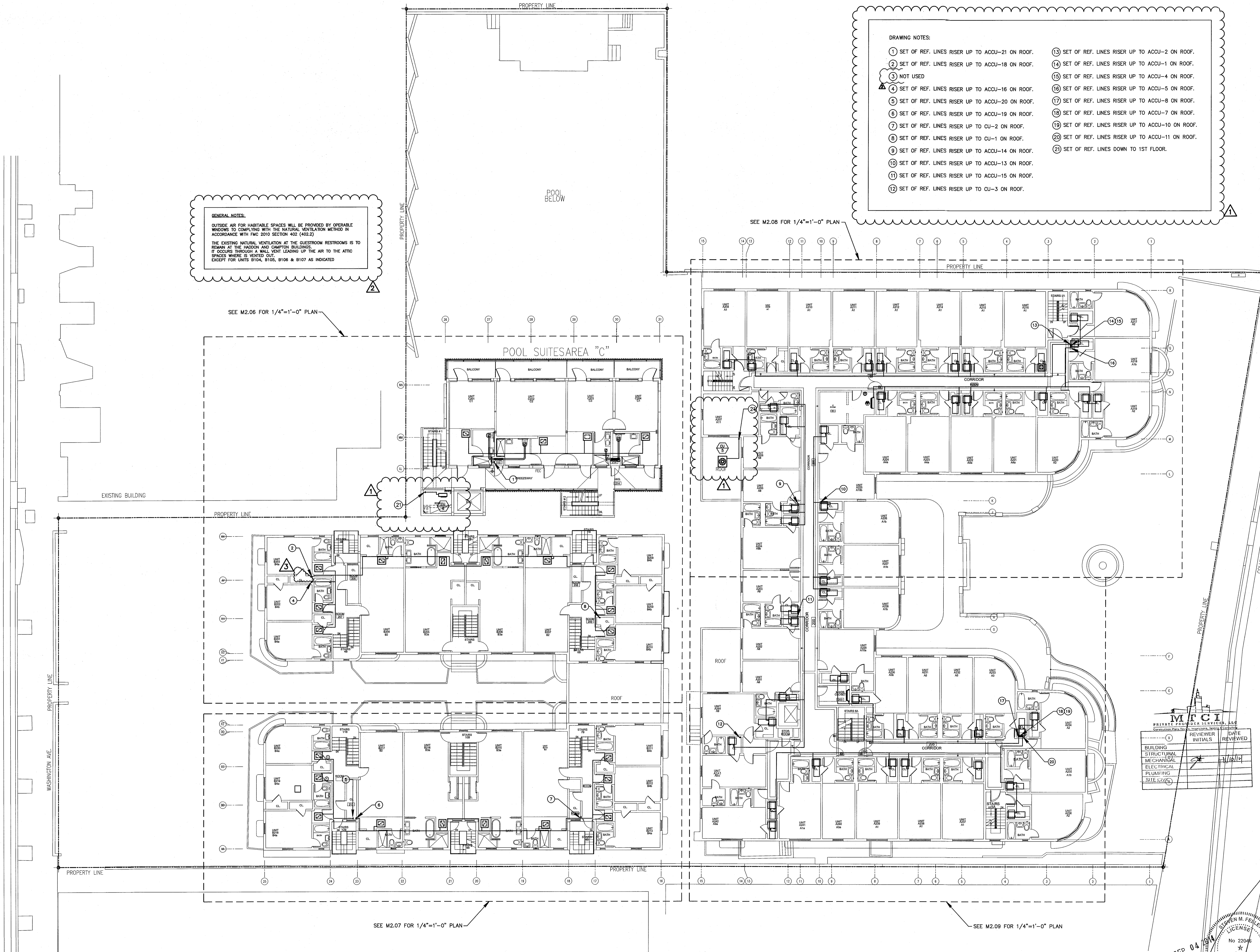
SHEET NUMBER

**M1.02**

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- DRAWING NOTES:**
- 1 SET OF REF. LINES RISER UP TO ACCU-21 ON ROOF.
  - 2 SET OF REF. LINES RISER UP TO ACCU-18 ON ROOF.
  - 3 NOT USED
  - 4 SET OF REF. LINES RISER UP TO ACCU-16 ON ROOF.
  - 5 SET OF REF. LINES RISER UP TO ACCU-20 ON ROOF.
  - 6 SET OF REF. LINES RISER UP TO ACCU-19 ON ROOF.
  - 7 SET OF REF. LINES RISER UP TO CU-2 ON ROOF.
  - 8 SET OF REF. LINES RISER UP TO CU-1 ON ROOF.
  - 9 SET OF REF. LINES RISER UP TO ACCU-14 ON ROOF.
  - 10 SET OF REF. LINES RISER UP TO ACCU-13 ON ROOF.
  - 11 SET OF REF. LINES RISER UP TO ACCU-15 ON ROOF.
  - 12 SET OF REF. LINES RISER UP TO CU-3 ON ROOF.
  - 13 SET OF REF. LINES RISER UP TO ACCU-2 ON ROOF.
  - 14 SET OF REF. LINES RISER UP TO ACCU-1 ON ROOF.
  - 15 SET OF REF. LINES RISER UP TO ACCU-4 ON ROOF.
  - 16 SET OF REF. LINES RISER UP TO ACCU-5 ON ROOF.
  - 17 SET OF REF. LINES RISER UP TO ACCU-8 ON ROOF.
  - 18 SET OF REF. LINES RISER UP TO ACCU-7 ON ROOF.
  - 19 SET OF REF. LINES RISER UP TO ACCU-10 ON ROOF.
  - 20 SET OF REF. LINES RISER UP TO ACCU-11 ON ROOF.
  - 21 SET OF REF. LINES DOWN TO 1ST FLOOR.

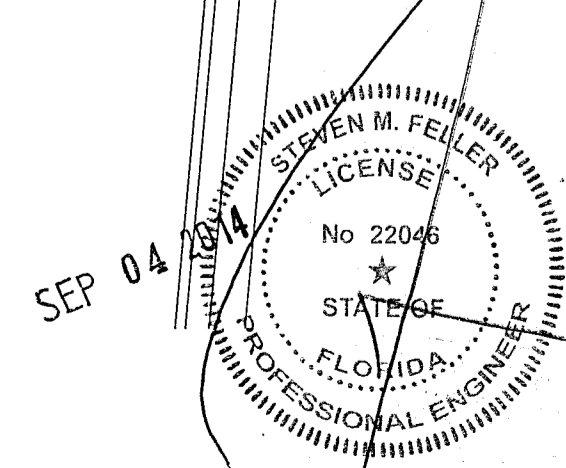
**GENERAL NOTES:**  
 OUTSIDE AIR FOR HABITABLE SPACES WILL BE PROVIDED BY OPERABLE WINDOWS TO COMPLY WITH THE NATURAL VENTILATION METHOD IN ACCORDANCE WITH FMC 2010 SECTION 402 (402.2)  
 THE EXISTING NATURAL VENTILATION AT THE GUESTROOM RESTROOMS IS TO REMAIN AT THE HADDON AND CAMFORD BUILDINGS. IT OCCURS THROUGH A WALL VENT LEADING UP THE AIR TO THE ATTIC SPACES WHERE IS VENTED OUT.  
 EXCEPT FOR UNITS B104, B105, B106 & B107 AS INDICATED

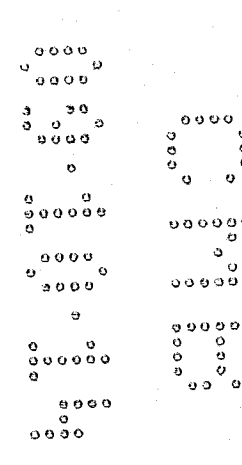


**SECOND FLOOR MECHANICAL PLAN**  
 SCALE: 3/32"=1'-0"

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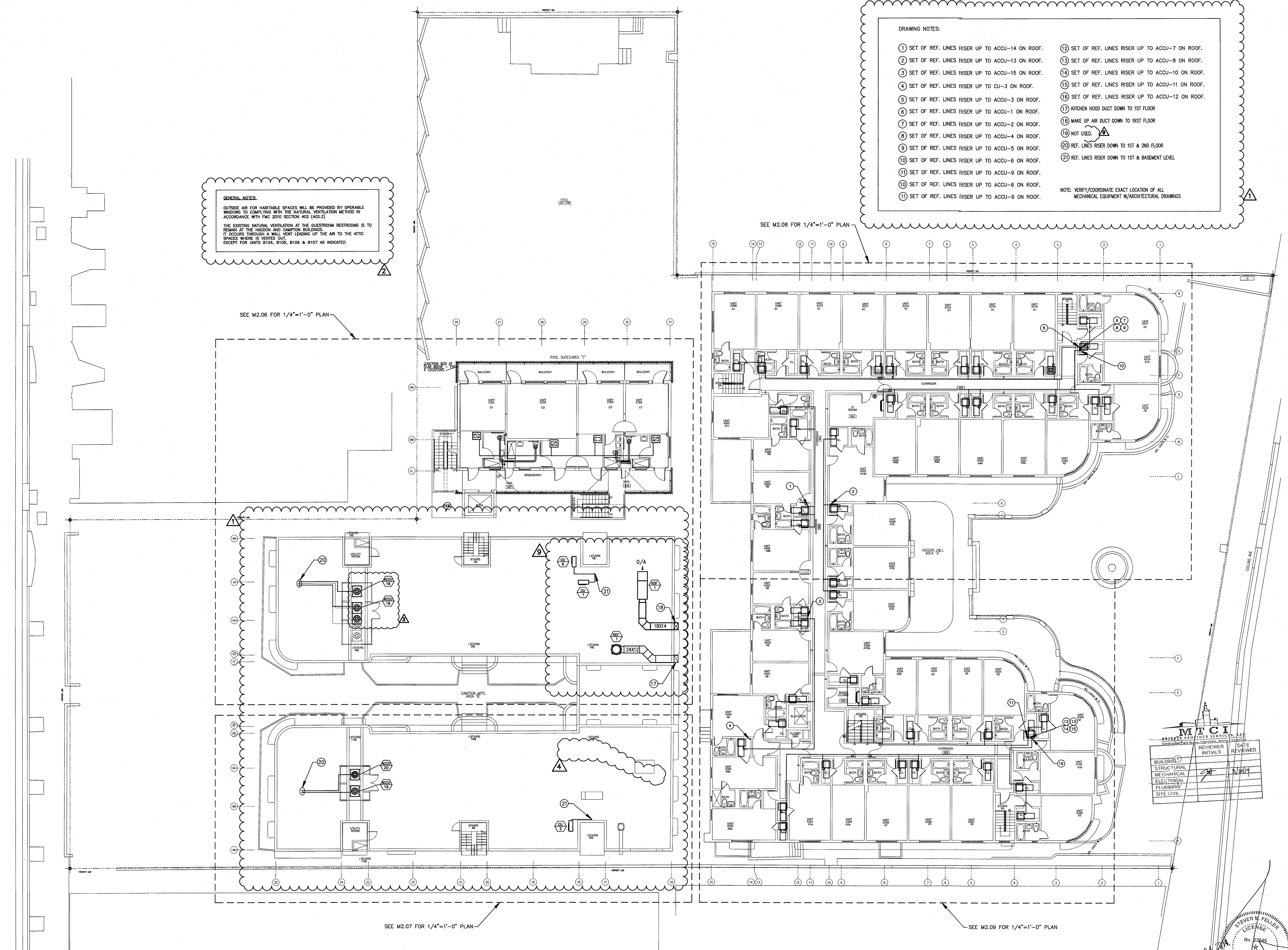
APPROVED  
 MIAMI BEACH  
 FIRE DEPARTMENT





- DRAWING NOTES:
- 1 SET OF REF. LINES RISER UP TO ACCU-14 ON ROOF.
  - 2 SET OF REF. LINES RISER UP TO ACCU-13 ON ROOF.
  - 3 SET OF REF. LINES RISER UP TO ACCU-15 ON ROOF.
  - 4 SET OF REF. LINES RISER UP TO CU-3 ON ROOF.
  - 5 SET OF REF. LINES RISER UP TO ACCU-3 ON ROOF.
  - 6 SET OF REF. LINES RISER UP TO ACCU-1 ON ROOF.
  - 7 SET OF REF. LINES RISER UP TO ACCU-2 ON ROOF.
  - 8 SET OF REF. LINES RISER UP TO ACCU-4 ON ROOF.
  - 9 SET OF REF. LINES RISER UP TO ACCU-5 ON ROOF.
  - 10 SET OF REF. LINES RISER UP TO ACCU-6 ON ROOF.
  - 11 SET OF REF. LINES RISER UP TO ACCU-9 ON ROOF.
  - 12 SET OF REF. LINES RISER UP TO ACCU-7 ON ROOF.
  - 13 SET OF REF. LINES RISER UP TO ACCU-8 ON ROOF.
  - 14 SET OF REF. LINES RISER UP TO ACCU-10 ON ROOF.
  - 15 SET OF REF. LINES RISER UP TO ACCU-11 ON ROOF.
  - 16 SET OF REF. LINES RISER UP TO ACCU-12 ON ROOF.
  - 17 KITCHEN HOOD DUCT DOWN TO 1ST FLOOR
  - 18 MAKE UP AIR DUCT DOWN TO 1ST FLOOR
  - 19 NOT USED.
  - 20 REF. LINES RISER DOWN TO 1ST & 2ND FLOOR
  - 21 REF. LINES RISER DOWN TO 1ST & BASEMENT LEVEL
- NOTE: VERIFY/COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT W/ARCHITECTURAL DRAWINGS

GENERAL NOTES:  
OUTSIDE AIR FOR HABITABLE SPACES WILL BE PROVIDED BY OPERABLE WINDOWS TO COMPLYING WITH THE NATURAL VENTILATION METHOD IN ACCORDANCE WITH FMC 2010 SECTION 402 (402.2)  
THE EXISTING NATURAL VENTILATION AT THE GUESTROOM RESTROOMS IS TO REMAIN AT THE HADDON AND CAMPTON BUILDINGS.  
IT OCCURS THROUGH A WALL VENT LEADING UP THE AIR TO THE ATTIC SPACES WHERE IS VENTED OUT.  
EXCEPT FOR UNITS B104, B105, B106 & B107 AS INDICATED

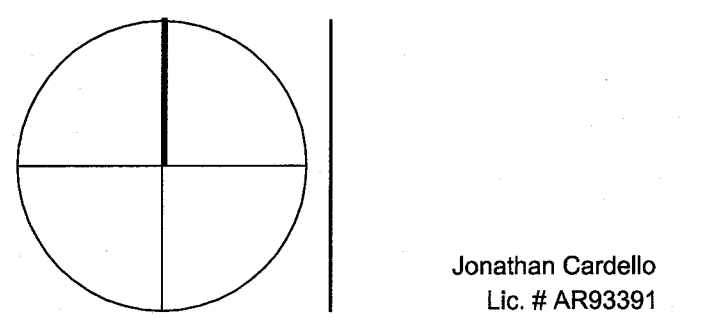


REVISIONS

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14
2	PERMIT REVIEW COMMENTS	03-14-14
3	COORDINATION REVISION	03-14-14
4	FIRE REVIEW COMMENTS	04-07-14
9	KITCHEN RELOCATION	05-30-14

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JOB NUMBER: 13036.00  
CHECKED BY:  
ISSUE DATE: MARCH 14, 2014  
SCALE: AS NOTED

SHEET TITLE

THIRD FLOOR MECHANICAL PLAN

SHEET NUMBER

M1.03

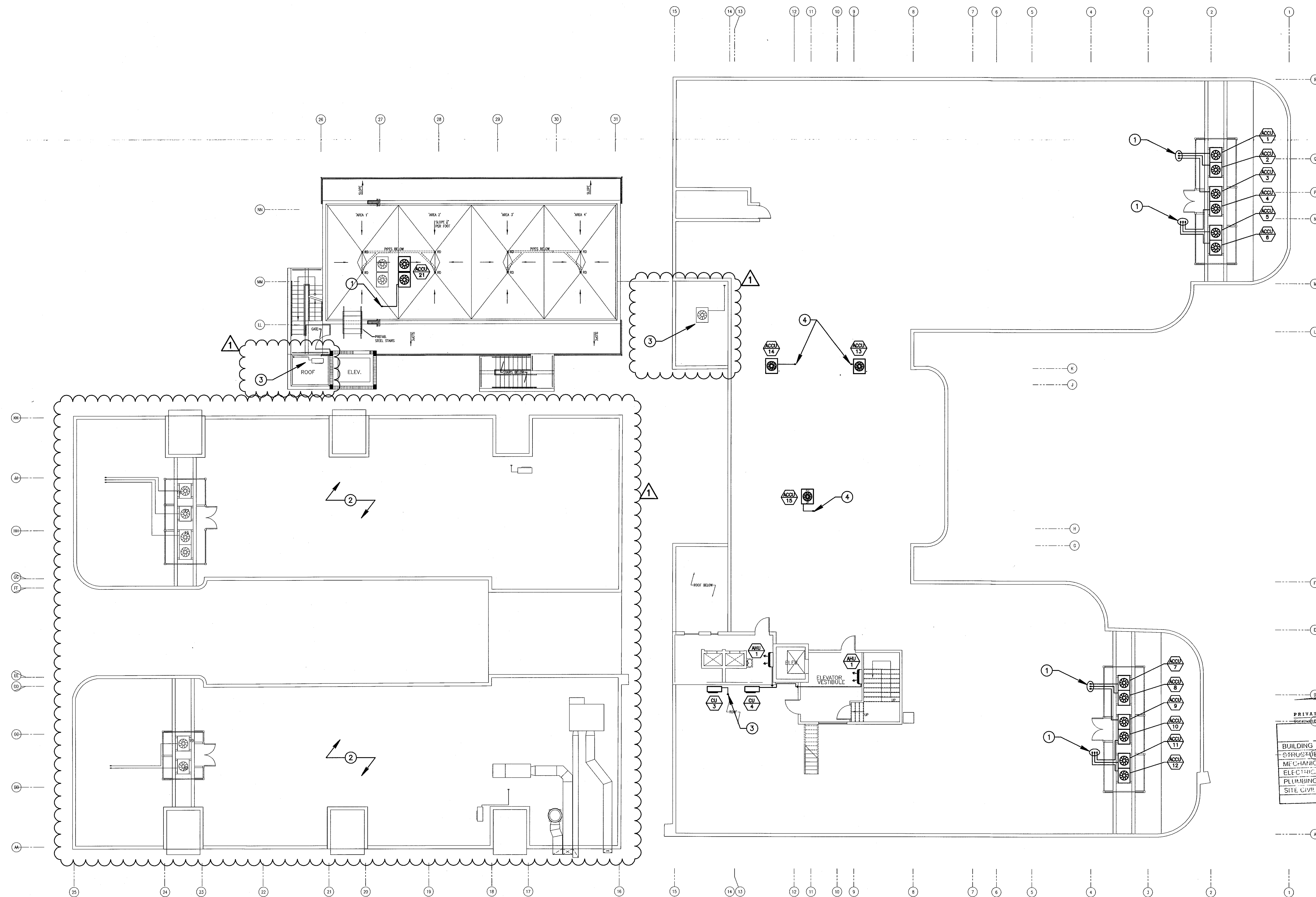
THIRD FLOOR MECHANICAL PLAN  
SCALE: 3/32" = 1'-0"

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PROFESSIONAL ENGINEER  
SEP 04 2014  
MIAMI BEACH  
FIRE DEPARTMENT

- DRAWING NOTES:
- 1 REF. LINES RISER DOWN TO 1ST, 2ND & 3RD FLOOR
  - 2 SEE ROOF EQUIPMENT ON SHEET M1.03
  - 3 SEE ROOF EQUIPMENT ON SHEET M1.02
  - 4 REF. LINES RISER UP TO 2ND & 3RD LEVEL
  - 5 REF. LINES RISER DOWN TO 1ST LEVEL
  - 6 KITCHEN HOOD DUCT DOWN TO 1ST FLOOR
  - 7 MAKE UP AIR DUCT DOWN TO 1ST FLOOR
  - 8 KITCHEN S/R AIR CONDITIONING DUCT DOWN TO 1ST FLOOR

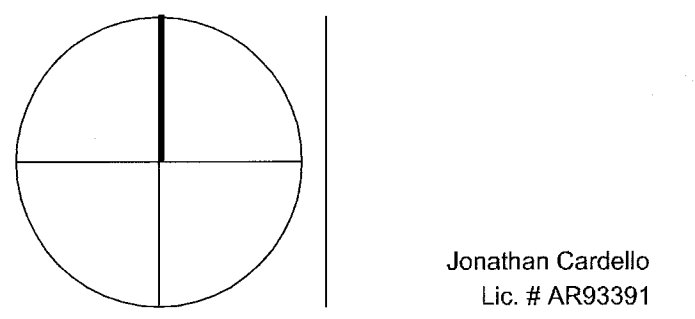
NOTE: VERIFY/COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT W/ARCHITECTURAL DRAWINGS



REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14

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JOB NUMBER: 13036.00

CHECKED BY:

ISSUE DATE: MARCH 14, 2014

SCALE: AS NOTED

SHEET TITLE

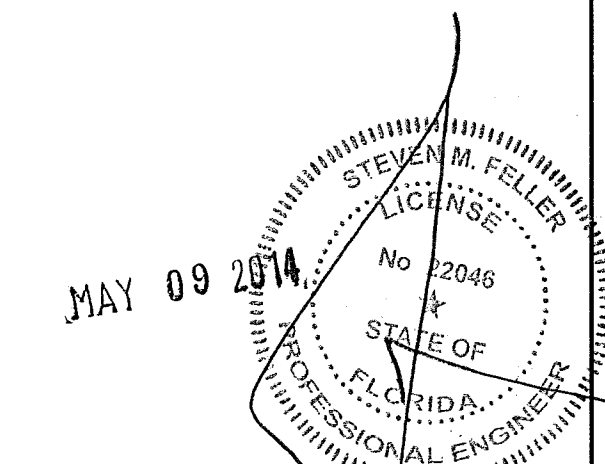
**MECHANICAL ROOF PLAN**

SHEET NUMBER

**M1.04**

**MECHANICAL ROOF PLAN**  
SCALE: 3/32" = 1'-0"

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JOB # 13153



KEYPLAN N.T.S.

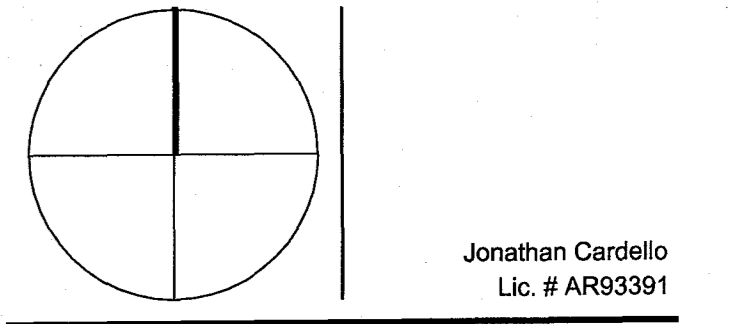
NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14
2	COORDINATION REVISION	03-14-14
9	KITCHEN RELOCATION	05-30-14
12	FIRE & MTCI COMMENTS	08-21-14

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14
2	COORDINATION REVISION	03-14-14
9	KITCHEN RELOCATION	05-30-14
12	FIRE & MTCI COMMENTS	08-21-14

MTCI PRIVATE PROVIDER SERVICES, LLC			
REVIEWER	DATE	INITIALS	REVIEWED
BUILDING			
STRUCTURAL			
MECHANICAL			
ELECTRICAL			
PLUMBING			
SITE/CIVIL			

100% CONSTRUCTION DOCUMENT SET

NORTH SEAL



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JOHN BOSTON  
Boston Miami

JOB NUMBER: 13036.00  
CHECKED BY:  
ISSUE DATE: MARCH 14, 2014  
SCALE: AS NOTED

SHEET TITLE

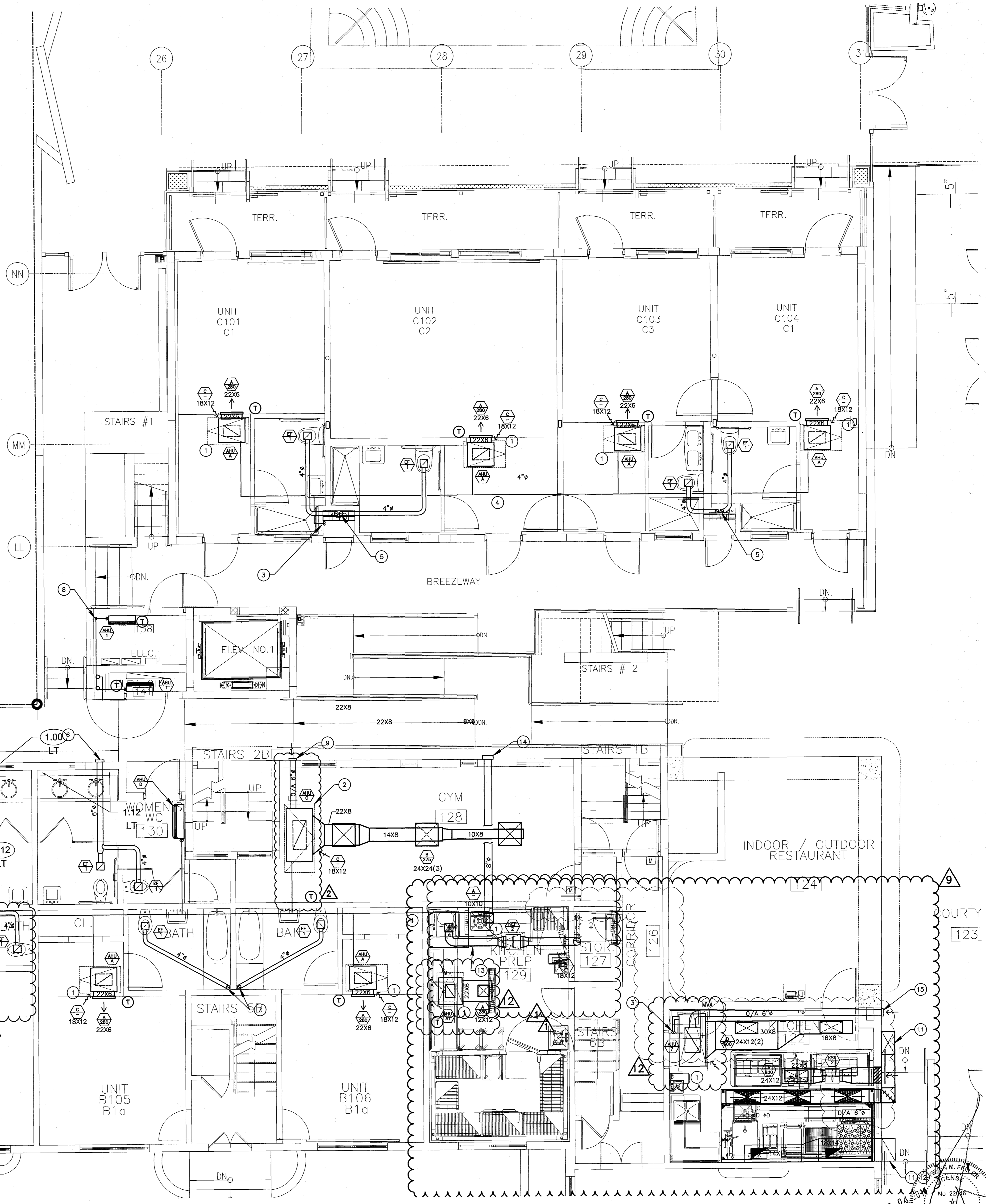
ENLARGED UNITS  
MECHANICAL PLAN  
CAMPTON / POOL UNITS

SHEET NUMBER

M2.01

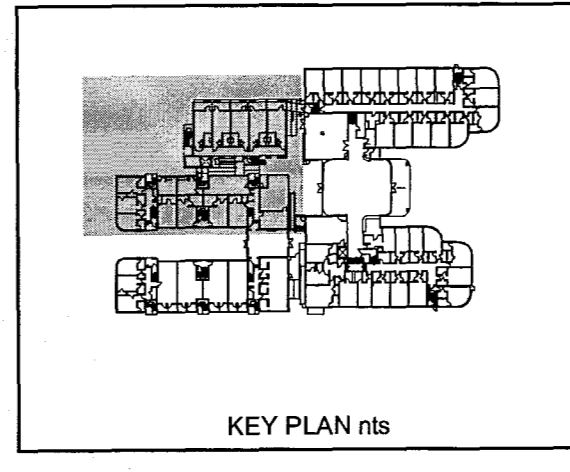
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- DRAWING NOTES:**
- SOLID ACCESS PANEL MOUNTED AT CEILING BELOW UNIT W/ 18X12 RAG. TYP. FOR ALL.
  - SOLID ACCESS PANEL MOUNTED AT CEILING BELOW UNIT W/ 30X24 RAG. TYP. FOR ALL.
  - SET OF REF. PIPES RISER UP TO ROOF PLAN.
  - SET OF REF. PIPES AT CEILING SPACE, FIELD VERIFY EXACT LOCATION.
  - EXHAUST DUCT UP TO ROOF IN 2HR FIRE RATED SHAFT W/ GOOSE NECK CAP AND INSECT WIRE MESH SCREEN AT ROOF TERMINATION.
  - EXHAUST DUCT TO EXTERIOR WALL 10' AFF W/WALL CAP AND INSECT WIRE MESH SCREEN AT WALL TERMINATION.
  - EXHAUST DUCT UP TO ROOF W/ GOOSE NECK CAP AND INSECT WIRE MESH SCREEN AT ROOF TERMINATION.
  - SET OF REF. PIPES RISER UP TO LOW ROOF PLAN.
  - TERMINATE 8" O/A INTAKE DUCT @ EXTERIOR WALL W/WALL CAP. PROVIDE BUG SCREEN. SET MVD @ 110 CFM
  - TERMINATE 6" O/A INTAKE DUCT @ EXTERIOR WALL W/WALL CAP. PROVIDE BUG SCREEN. SET MVD @ 100 CFM
  - KITCHEN EXHAUST HOOD & MUA DUCTS UP TO ROOF & PENETRATE PARAPET. SUPPORTS AS REQUIRED. SLOPE KITCHEN HOOD EXH DUCT. NO LOW POINT PERMITTED. SEE M104 FOR CONTINUATION.
  - KITCHEN EXHAUST DUCT TO BE 16 GAGE STEEL W/WELDED STEAM AND WATER TIGHT. PROVIDE CLEANOUTS IN ACCORDANCE W/ CODE.
  - DISH WASHER EXH DUCT. PROVIDE ALUMINUM DUCT W/WELDED STEAM AND WATER TIGHT.
  - TERMINATE 8" MUA INTAKE DUCT @ EXTERIOR WALL W/WALL CAP.
  - TERMINATE 6" O/A INTAKE DUCT @ EXTERIOR WALL W/WALL CAP. PROVIDE BUG SCREEN. SET MVD @ 300 CFM
- GENERAL NOTES:**
- TOILET VENTILATION IS EXISTING AND WILL NOT BE DISTURBED. NEW TOILET EXHAUST WILL BE PROVIDED ONLY AS SHOWN.



CAMPTON / POOLS GROUND FLOOR TYPICAL ENLARGED UNITS MECHANICAL PLAN

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



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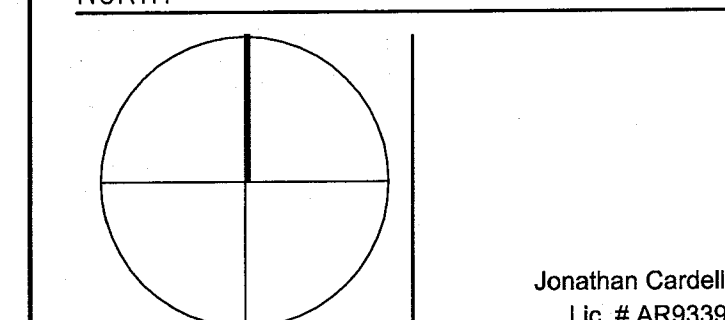
APPROVED  
MIAMI BEACH  
FIRE DEPARTMENT

KEYPLAN N.T.S.

REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
Δ	KITCHEN RELOCATION	05-30-14

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JOB NUMBER: 13036.00  
CHECKED BY:  
ISSUE DATE: MARCH 14, 2014  
SCALE: AS NOTED

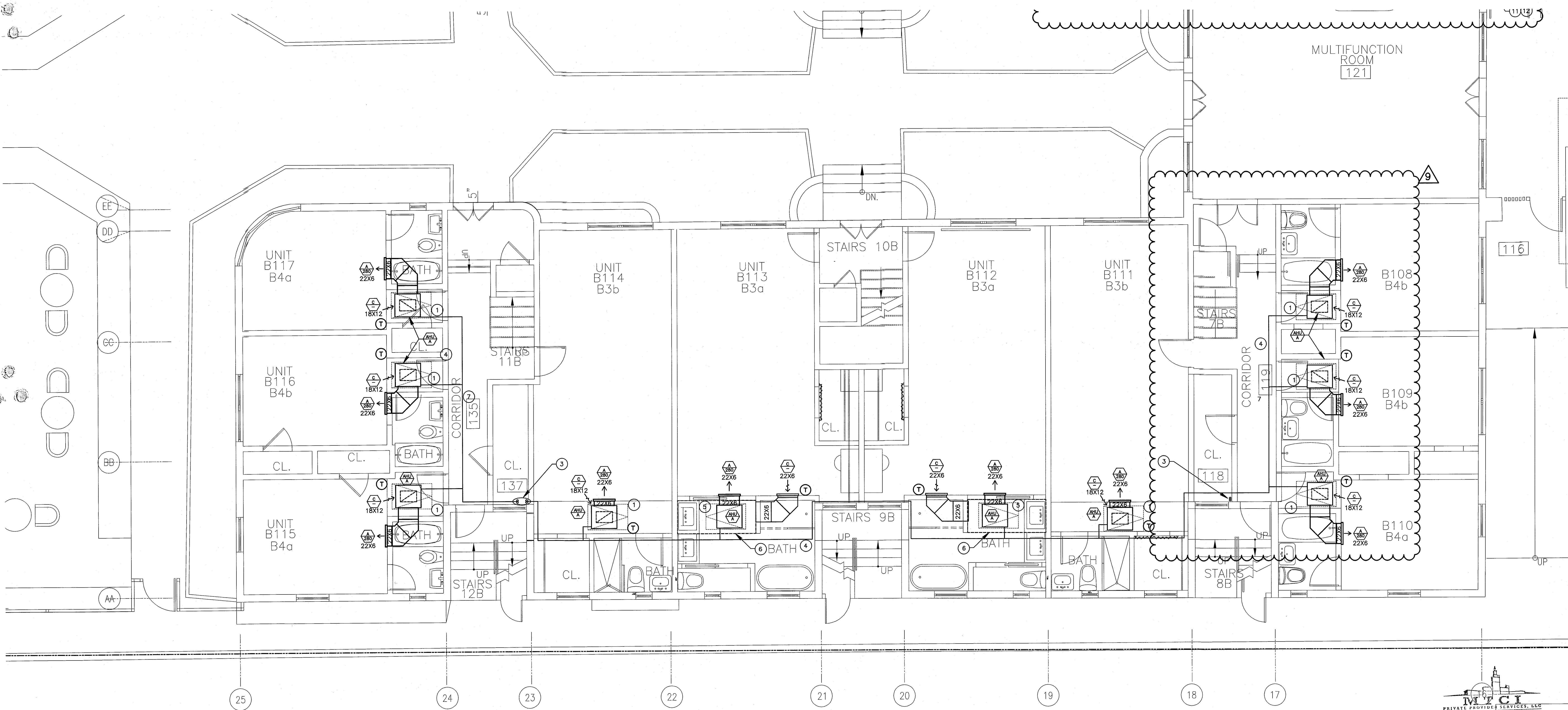
SHEET TITLE

**ENLARGED UNITS  
MECHANICAL PLAN  
CAMPTON UNITS**

SHEET NUMBER

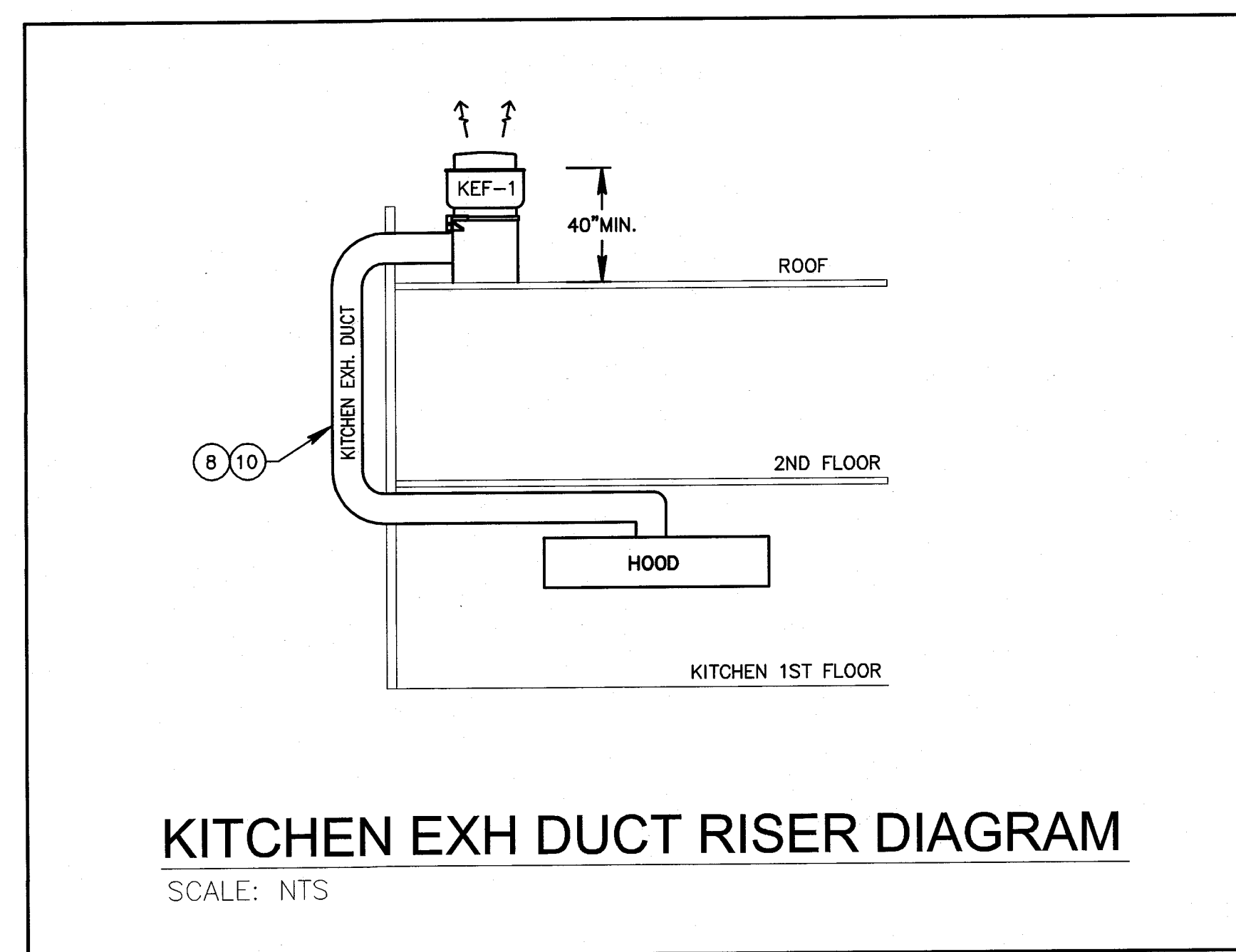
**M2.02**

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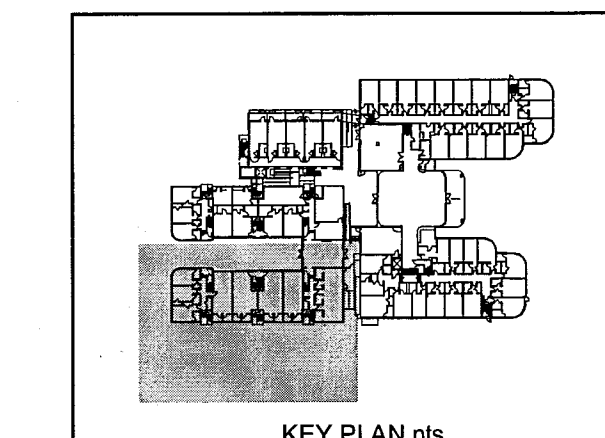


REVIEWER	DATE	REVIEWED
BUILDING		
STRUCTURAL		
MECHANICAL	11/20/14	
ELECTRICAL		
PLUMBING		
SITE CIVIL		

- DRAWING NOTES:**
- SOLID ACCESS PANEL MOUNTED AT CEILING BELOW UNIT W/ 18X12 RAG. TYP. FOR ALL.
  - SOLID ACCESS PANEL MOUNTED AT CEILING BELOW UNIT W/ 30X24 RAG. TYP. FOR ALL.
  - SET OF REF. PIPES RISER UP TO ROOF PLAN.
  - SET OF REF. PIPES AT CEILING SPACE, FIELD VERIFY EXACT LOCATION.
  - SOLID ACCESS PANEL MOUNTED AT CEILING BELOW UNIT.
  - R/A PLENUM ABOVE CEILING, ANY PENETRATIONS THRU PLENUM DUCTWORK, PIPING, CONDUIT, ETC. SHALL BE SEALED AIR TIGHT.
  - SET OF REF. PIPES BELOW EXISTING CEILING, ARCHITECT TO PROVIDE SOFFIT. COORDINATE W/I D DWG.
  - NOT USED.
  - NOT USED.
  - NOT USED.
  - DISH WASHER EXH DUCT. PROVIDE ALUMINUM DUCT W/WELDED STEAM AND WATER TIGHT.



**CAMPTON GROUND FLOOR TYPICAL ENLARGED UNITS MECHANICAL PLAN**  
SCALE: 1/4"=1'-0"



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SEP 04 2014  
APPROVED  
MIAMI BEACH  
FIRE DEPARTMENT

KEYPLAN N.T.S.

REVISIONS

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14
2	PERMIT REVIEW COMMENTS	03-14-14
3	COORDINATION REVISION	03-14-14

100% CONSTRUCTION DOCUMENT SET

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JOB NUMBER: 13036.00

CHECKED BY:

ISSUE DATE: MARCH 14, 2014

SCALE: AS NOTED

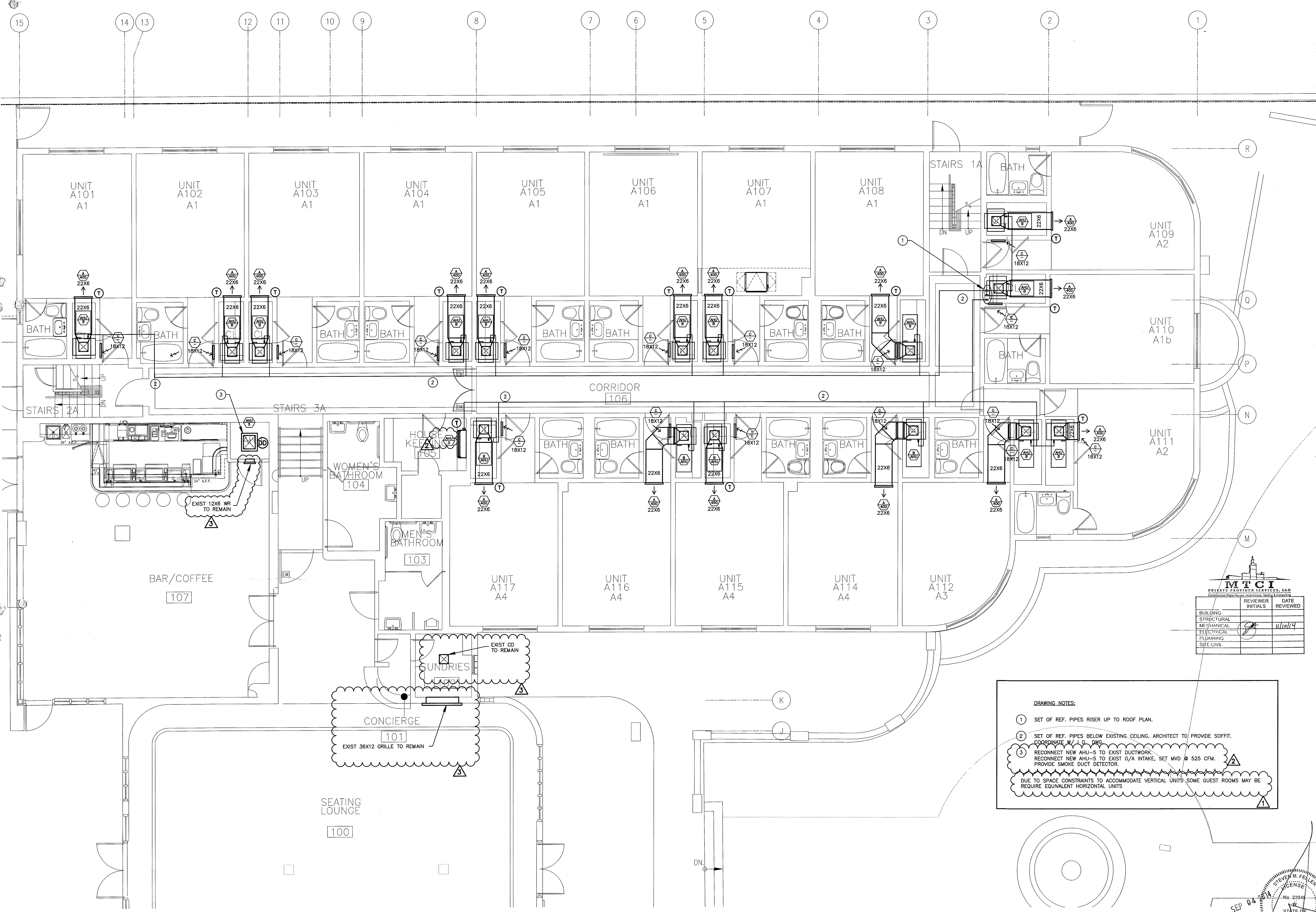
SHEET TITLE

ENLARGED UNITS  
MECHANICAL PLAN  
HADDON HALL NORTH WING

SHEET NUMBER

M2.03

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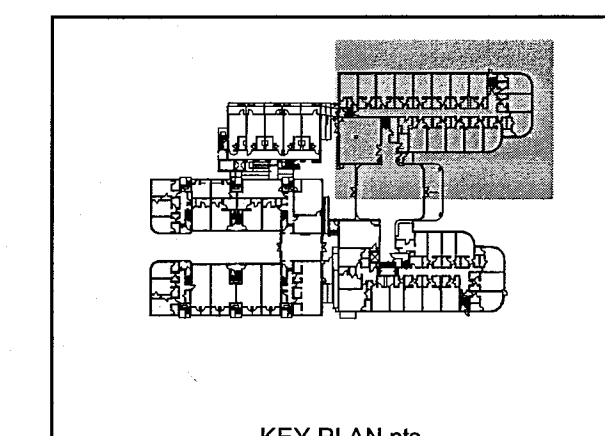
**DRAWING NOTES:**

- 1 SET OF REF. PIPES RISER UP TO ROOF PLAN.
- 2 SET OF REF. PIPES BELOW EXISTING CEILING. ARCHITECT TO PROVIDE SOFFIT. COORDINATE W/ I.P. DWG.
- 3 RECONNECT NEW AHU-5 TO EXIST DUCTWORK. RECONNECT NEW AHU-5 TO EXIST O/A INTAKE, SET MVD @ 525 CFM. PROVIDE SMOKE DUCT DETECTOR.

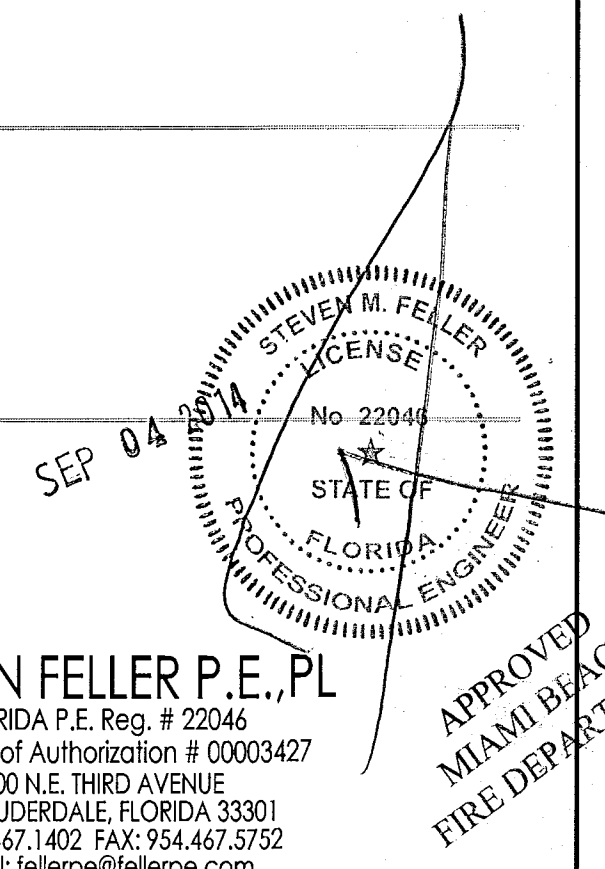
DUE TO SPACE CONSTRAINTS TO ACCOMMODATE VERTICAL UNITS, SOME GUEST ROOMS MAY BE REQUIRE EQUIVALENT HORIZONTAL UNITS

	REVIEWER INITIALS	DATE REVIEWED
BUILDING		
STRUCTURAL		
MECHANICAL	JWC	3/14/14
ELECTRICAL		
PLUMBING		
SITE CIVIL		

HADDON HALL GROUND FLOOR TYPICAL ENLARGED UNITS MECHANICAL PLAN  
SCALE: 1/4"=1'-0"



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JOB # 13153



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FIRE DEPARTMENT



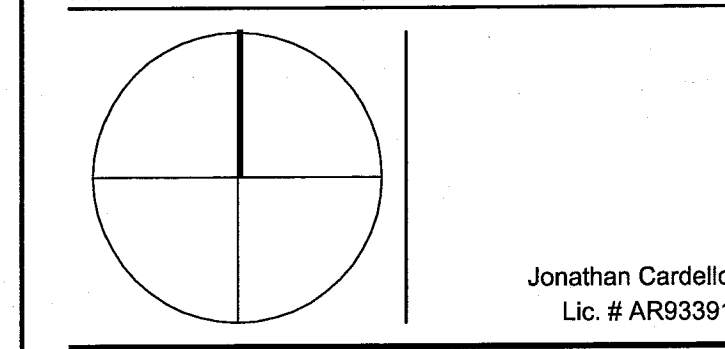
**HADDON HALL**  
**1500 COLLINS AVE**  
 MIAMI BEACH, FL

KEYPLAN N.T.S.

REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
1	PERMIT 100% CD SET	02-07-14
2	COORDINATION REVISIONS	03-14-14
3	PERMIT REVIEW COMMENTS	03-14-14
4	FIRE & MTCI COMMENTS	08-21-14

**100% CONSTRUCTION DOCUMENT SET**

NORTH SEAL



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 www.addinc.com  
 Lic. # AA26001507

JOB NUMBER: 13036.00

CHECKED BY:

ISSUE DATE: MARCH 14, 2014

SCALE: AS NOTED

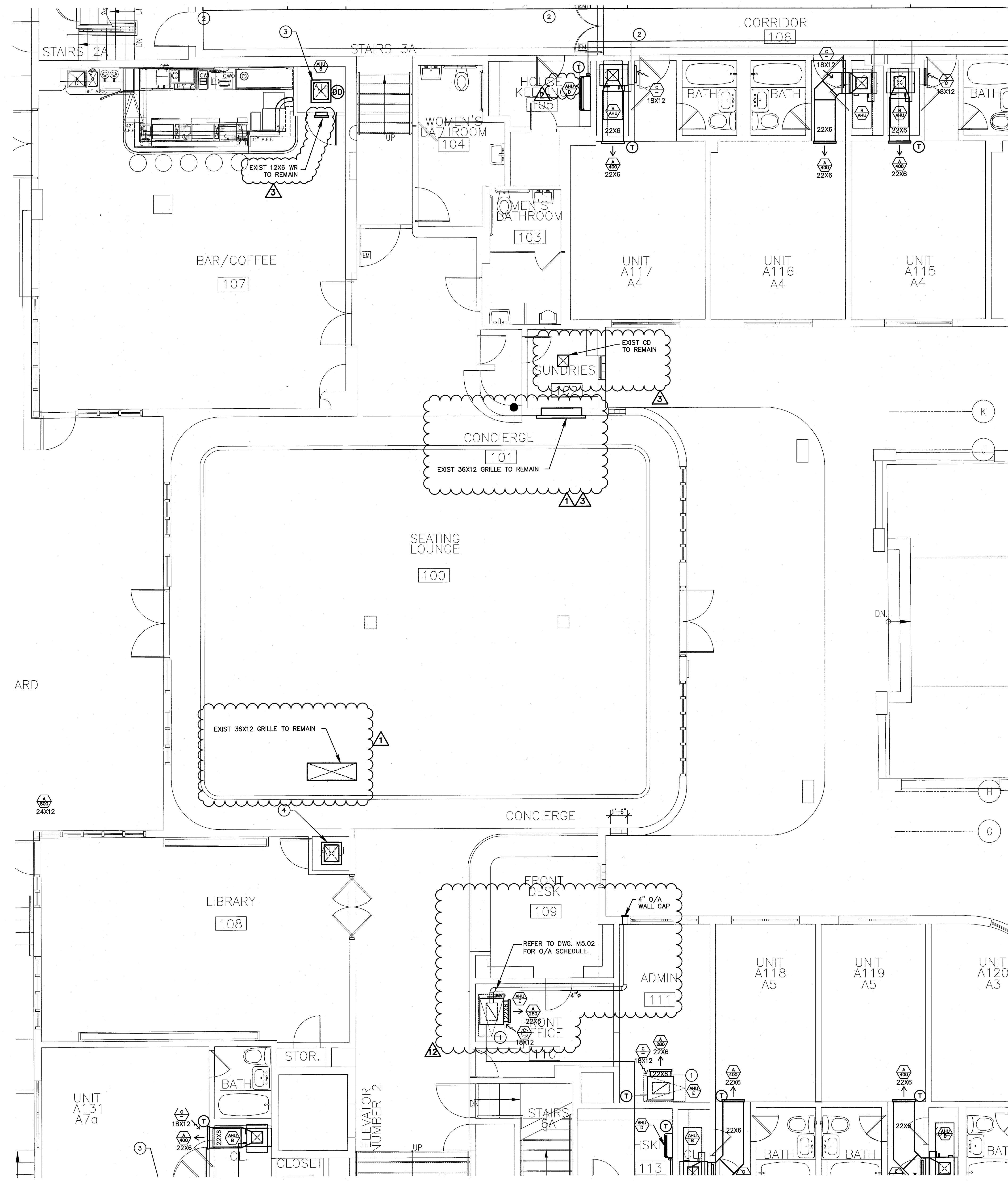
SHEET TITLE

**ENLARGED UNITS**  
**THIRD FLOOR**  
**MECHANICAL PLAN**  
**HADDON HALL COMMON AREA**

SHEET NUMBER

**M2.05**

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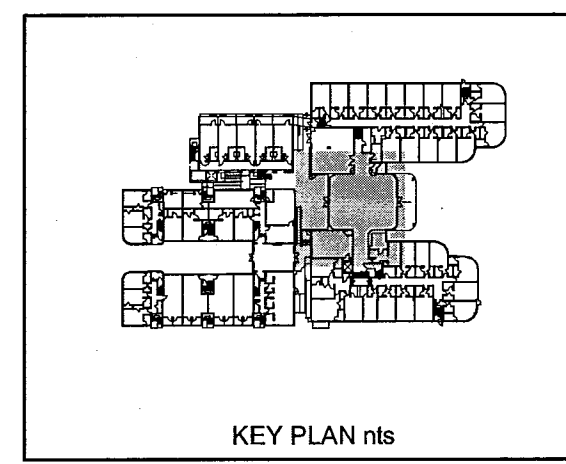
MTCI PRIVATE PROVIDER SERVICES, LLC		
REVIEWER	DATE	REVIEWED
BUILDING		
STRUCTURAL		
M/E/AN/EAL		
ELECTRICAL		
PLUMBING		
SITE CIVIL		

**DRAWING NOTES:**

- SOLID ACCESS PANEL MOUNTED AT CEILING BELOW UNIT W/ 18X12 RAG. TYP. FOR ALL.
- SET OF REF. PIPES BELOW EXISTING CEILING. ARCHITECT TO PROVIDE SOFFIT. COORDINATE WITH ARCH.
- RECONNECT NEW AHU-5 TO EXIST DUCTWORK. RECONNECT NEW AHU-5 TO EXIST O/A INTAKE. SET MVD @ 525 CFM. PROVIDE SMOKE DUCT DETECTOR.
- EXISTING AHU TO REMAIN.

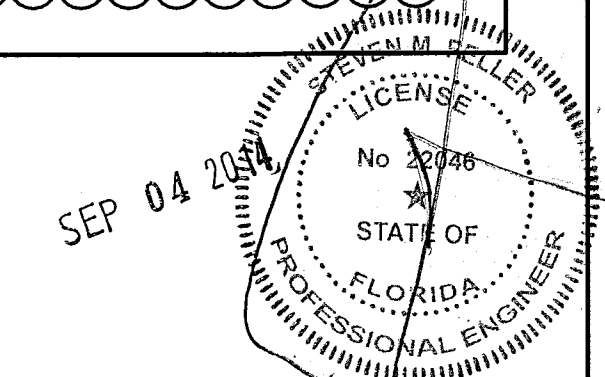
DUE TO SPACE CONSTRAINTS TO ACCOMMODATE VERTICAL UNITS SOME GUEST ROOMS MAY BE

**HADDON HALL COMMON AREAS MECHANICAL PLAN**  
 SCALE: 1/4"=1'-0"



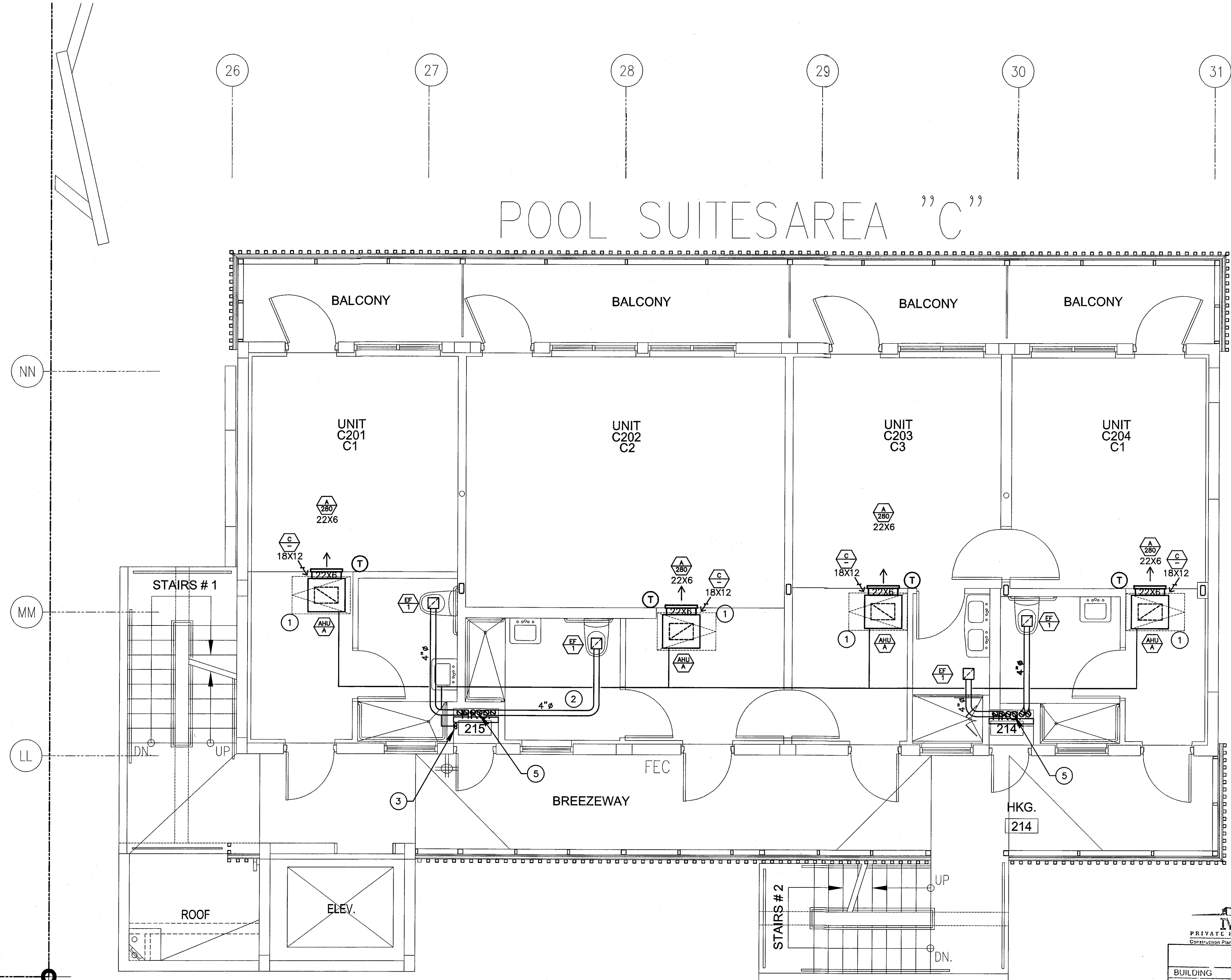
**STEVEN FELLER P.E., PL**  
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 FORT LAUDERDALE, FLORIDA 33301  
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 e-mail: fellerpe@fellerpe.com  
 JOB # 13153

APPROVED  
 MIAMI BEACH  
 FIRE DEPARTMENT



KEYPLAN N.T.S.

- DRAWING NOTES:**
- SOLID ACCESS PANEL MOUNTED AT CEILING BELOW UNIT W/ 18X12 RAG. TYP. FOR ALL.
  - SET OF REF. PIPES AT CEILING SPACE, FIELD VERIFY EXACT LOCATION.
  - SET OF REF. PIPES RISER UP TO ROOF PLAN.
  - SET OF REF. PIPES BELOW CEILING, ARCHITECT TO PROVIDE SOFFIT. COORDINATE W/ I D DWG.
  - EXHAUST DUCT UP TO ROOF IN 2HR FIRE RATED SHAFT W/ GOOSE NECK CAP AND INSECT WIRE MESH SCREEN AT ROOF TERMINATION.
  - 4" EXHAUST DUCT FROM FLOOR BELOW UP TO ROOF W/ GOOSE NECK CAP AND INSECT WIRE MESH SCREEN AT ROOF TERMINATION.



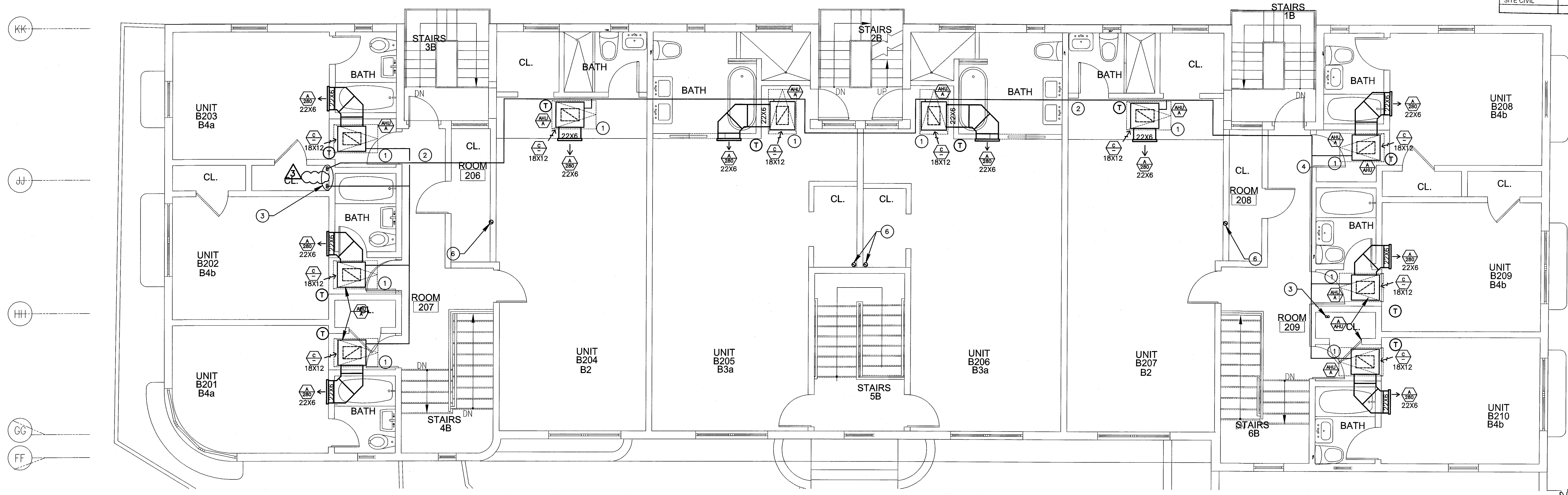
**REVISIONS**

NO.	DESCRIPTION	ISSUE DATE
1	BLDG DEPARTMENT COMMENT	03-18-13
2	PERMIT REVIEW COMMENTS	03-14-14
3	COORDINATION REVISION	03-14-14

**MITCI**  
PRIVATE PROVIDER SERVICES, LLC  
Specialty Mechanical Services, LLC

	REVIEWER INITIALS	DATE REVIEWED
BUILDING		
STRUCTURAL		
MECHANICAL	[Signature]	11/10/14
ELECTRICAL		
PLUMBING		
SITE CIVIL		

PROPERTY LINE



**100% CONSTRUCTION DOCUMENT SET**

NORTH SEAL  
Jonathan Cardello  
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JOB NUMBER: 13036.00  
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ISSUE DATE: MARCH 14, 2014  
SCALE: AS NOTED

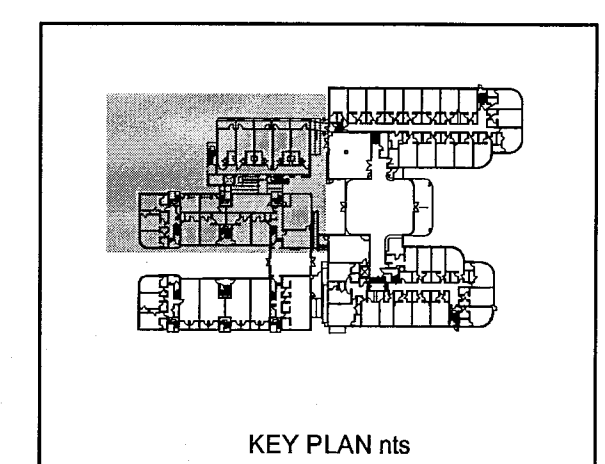
SHEET TITLE

ENLARGED UNITS  
MECHANICAL PLAN  
CAMPTON 2FL & 3FL  
POOL 2FL UNITS

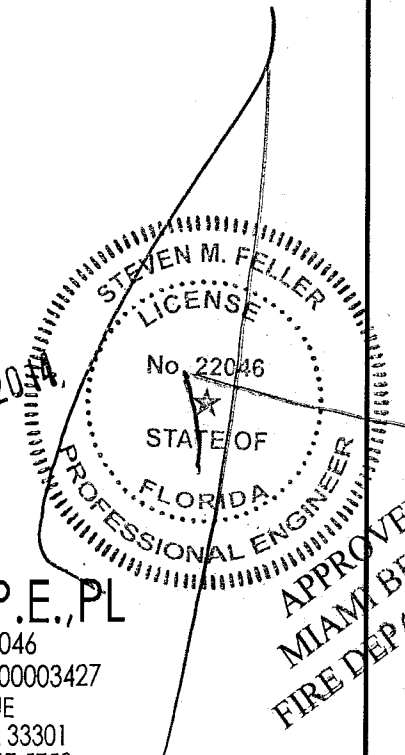
SHEET NUMBER

**M2.06**

CAMPTON 2FL / POOL 2FL & 3FL ENLARGED UNITS MECHANICAL PLAN  
SCALE: 1/4"=1'-0"



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JOB # 13153





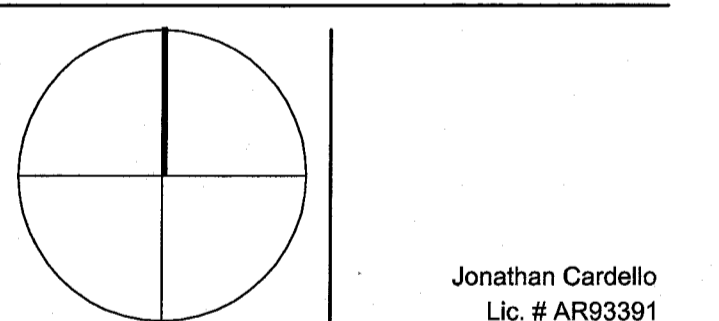
KEYPLAN N.T.S.

REVISIONS

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14
2	COORDINATION REVISION	03-14-14

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ISSUE DATE: MARCH 14, 2014

SCALE: AS NOTED

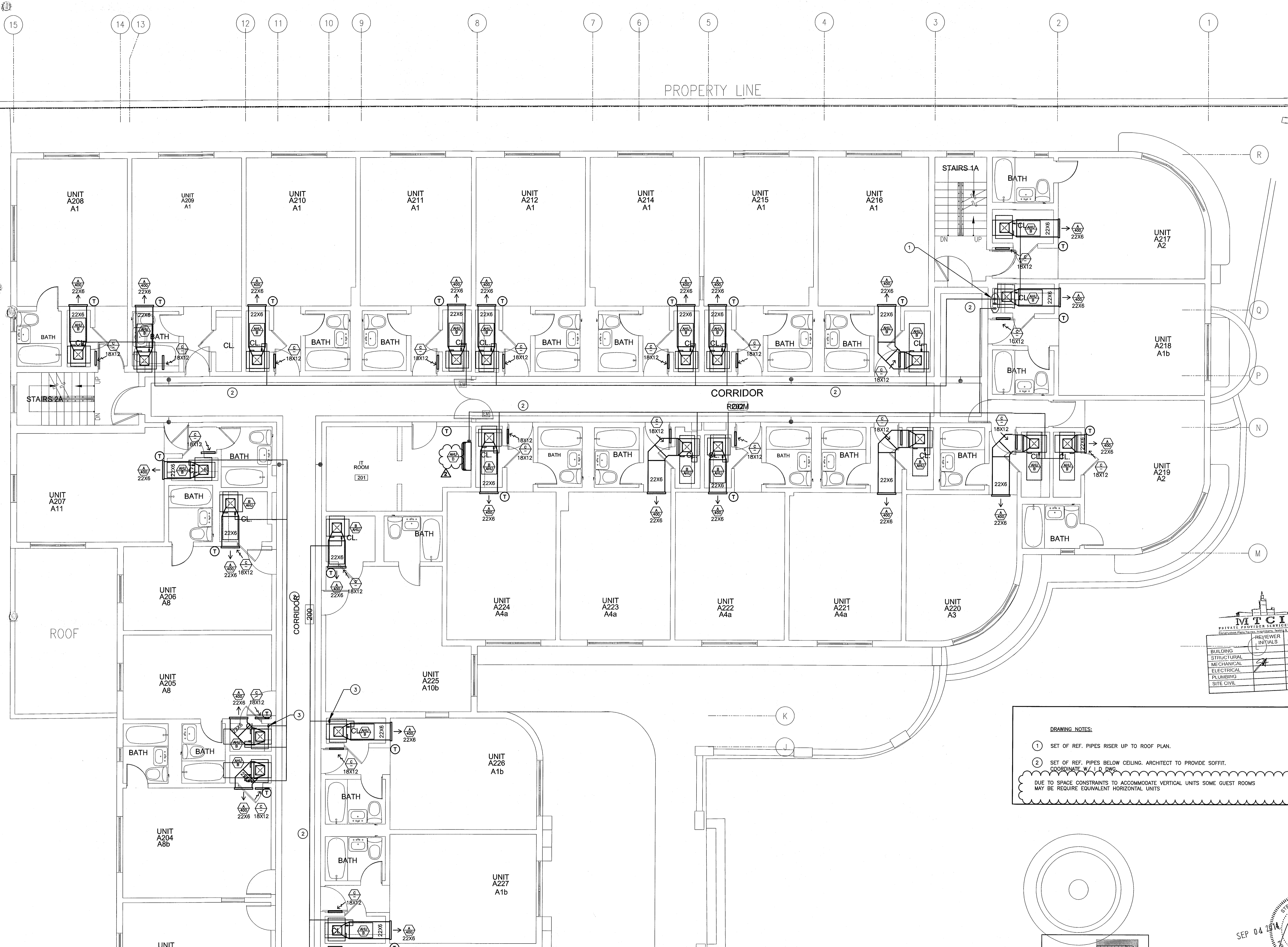
SHEET TITLE

ENLARGED UNITS  
MECHANICAL PLAN  
HADDON HALL  
2FL & 3FL

SHEET NUMBER

M2.08

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PROPERTY LINE

CORRIDOR

ROOM

ROOF

DRAWING NOTES:

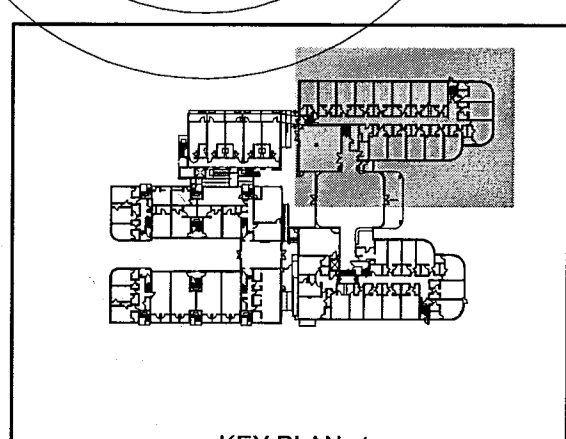
- SET OF REF. PIPES RISER UP TO ROOF PLAN.
  - SET OF REF. PIPES BELOW CEILING. ARCHITECT TO PROVIDE SOFFIT.
- COORDINATE W/ R.D. DWG.
- DUE TO SPACE CONSTRAINTS TO ACCOMMODATE VERTICAL UNITS SOME GUEST ROOMS MAY BE REQUIRE EQUIVALENT HORIZONTAL UNITS

MTCI		PRIVATE PROVIDER SERVICES, LLC	
REVIEWER	DATE	REVIEWER	DATE

SEP 04 2014

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JOB # 13153

HADDON HALL 2FL & 3FL FLOOR ENLARGED UNITS MECHANICAL PLAN  
SCALE: 1/4"=1'-0"



HADDON HALL  
1500 COLLINS AVE  
MIAMI BEACH, FL

DRAWING NOTES:

- 1 SET OF REF. PIPES RISER UP TO ROOF PLAN.
  - 2 SET OF REF. PIPES BELOW CEILING. ARCHITECT TO PROVIDE SOFFIT.
- COORDINATE WITH DWG. NO. 11-101-000  
DUE TO SPACE CONSTRAINTS TO ACCOMMODATE VERTICAL UNITS SOME GUEST ROOMS MAY REQUIRE EQUIVALENT HORIZONTAL UNITS

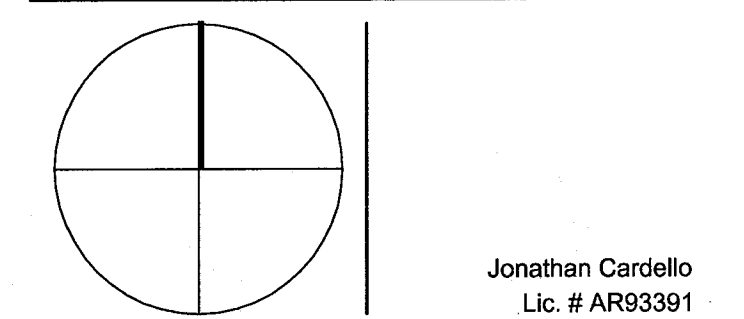
KEYPLAN N.T.S.

REVISIONS

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-07-14
2	COORDINATION REVISION	03-14-14

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ISSUE DATE: MARCH 14, 2014  
SCALE: AS NOTED

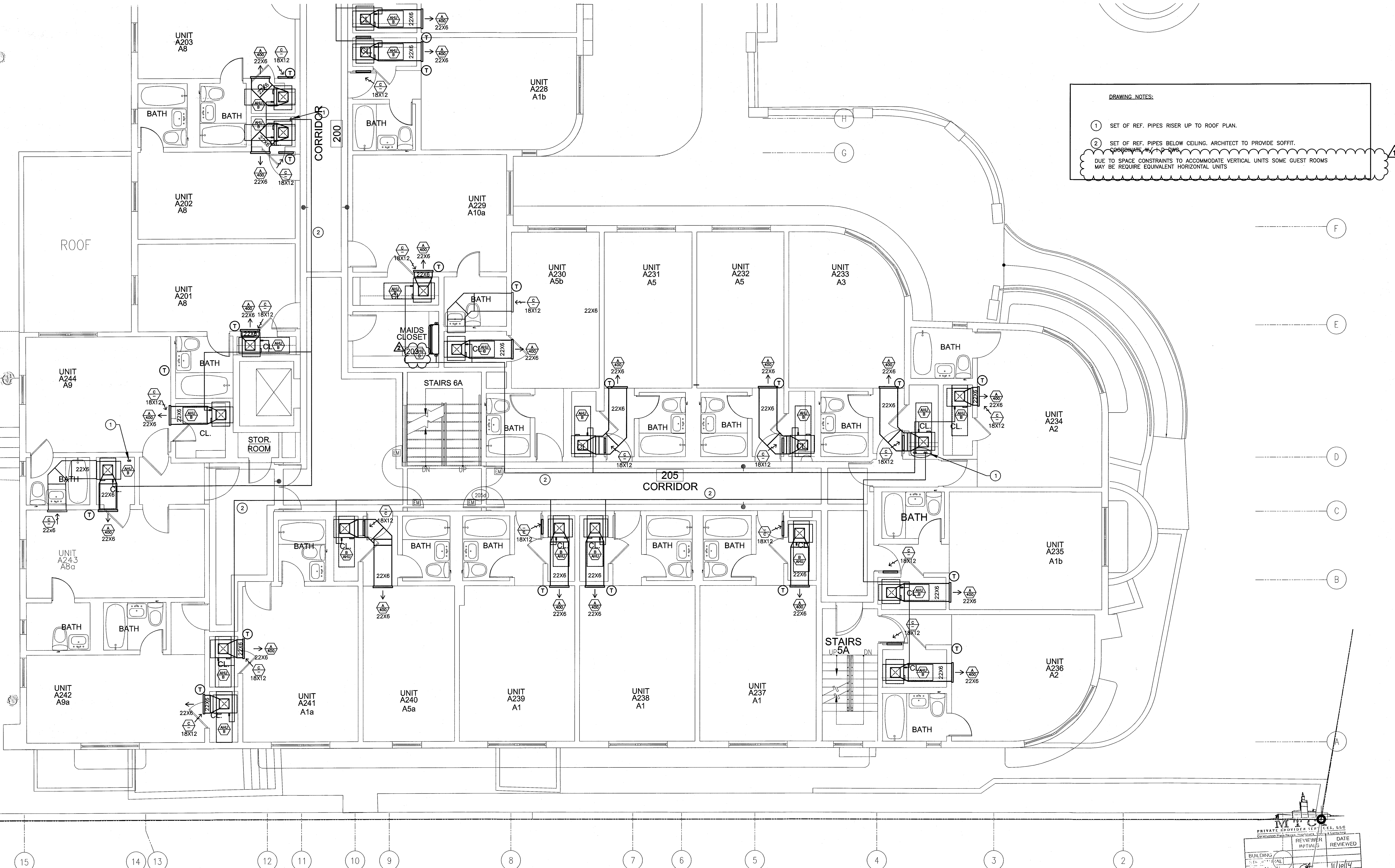
SHEET TITLE

ENLARGED UNITS  
MECHANICAL PLAN  
HADDON HALL  
2FL & 3FL

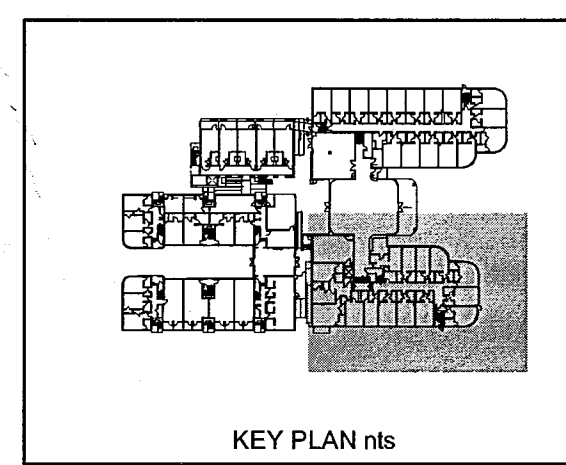
SHEET NUMBER

M2.09

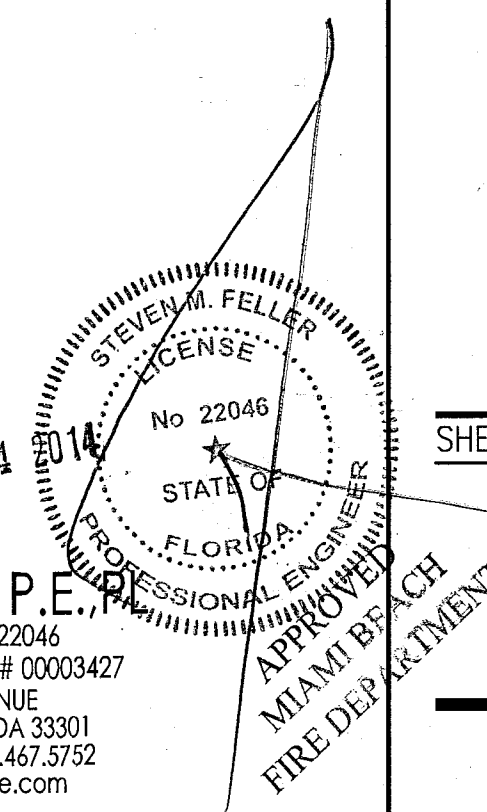
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HADDON HALL 2FL & 3FL ENLARGED UNITS MECHANICAL PLAN  
SCALE: 1/4" = 1'-0"



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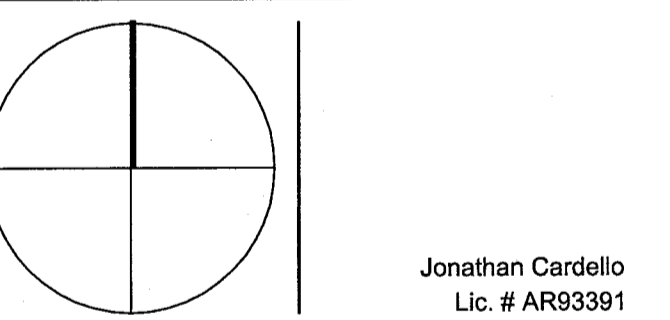
KEYPLAN N.T.S.

**REVISIONS**

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-18-14
2	COORDINATION REVISION	03-14-14
3	KITCHEN RELOCATION	05-30-14
12	FIRE & MTCI COMMENTS	08-21-14

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DOCUMENT SET**

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ISSUE DATE: MARCH 14, 2014

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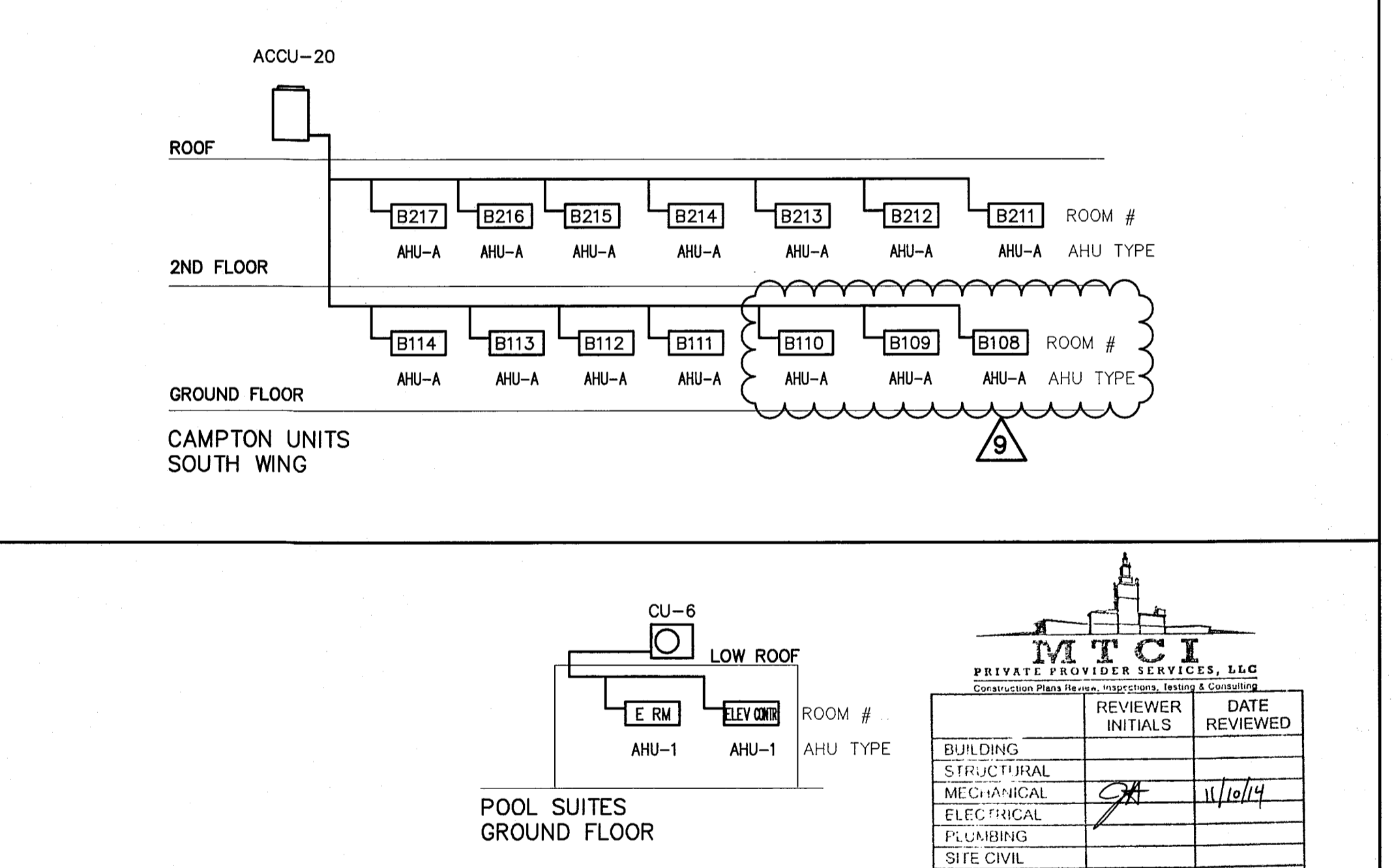
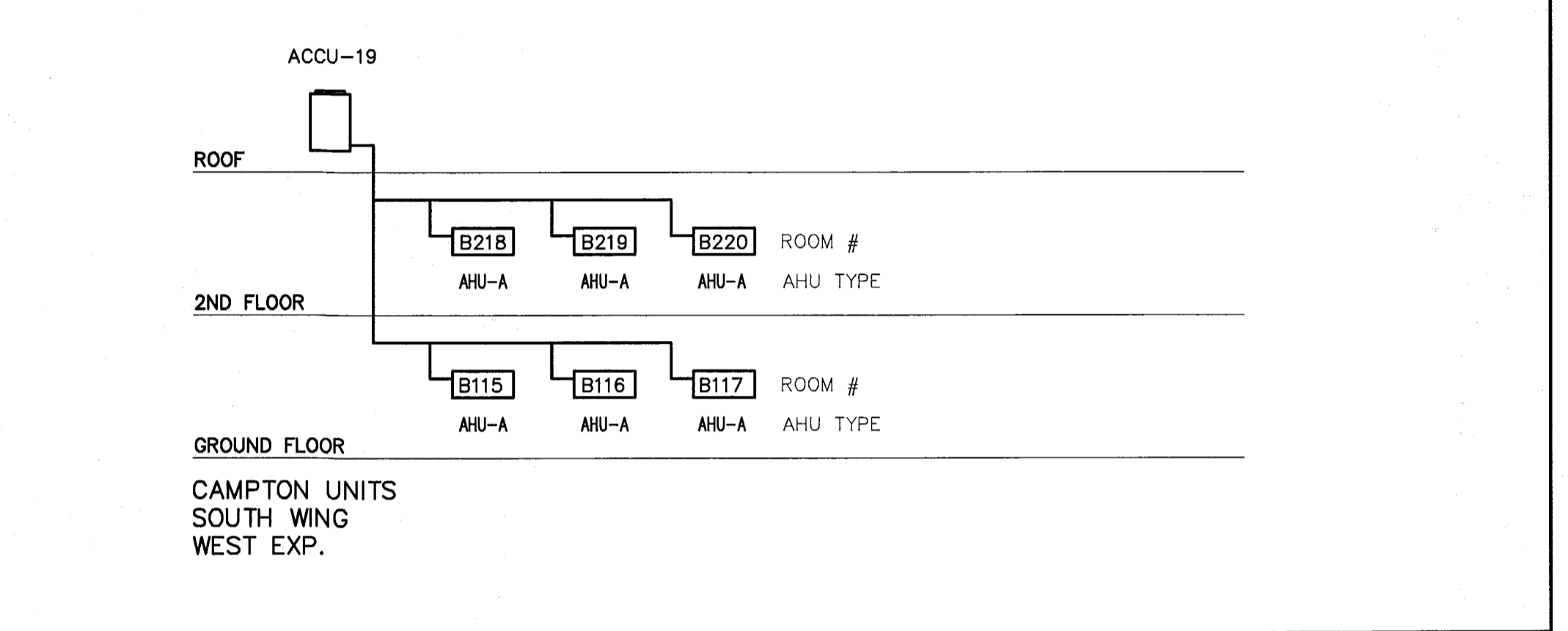
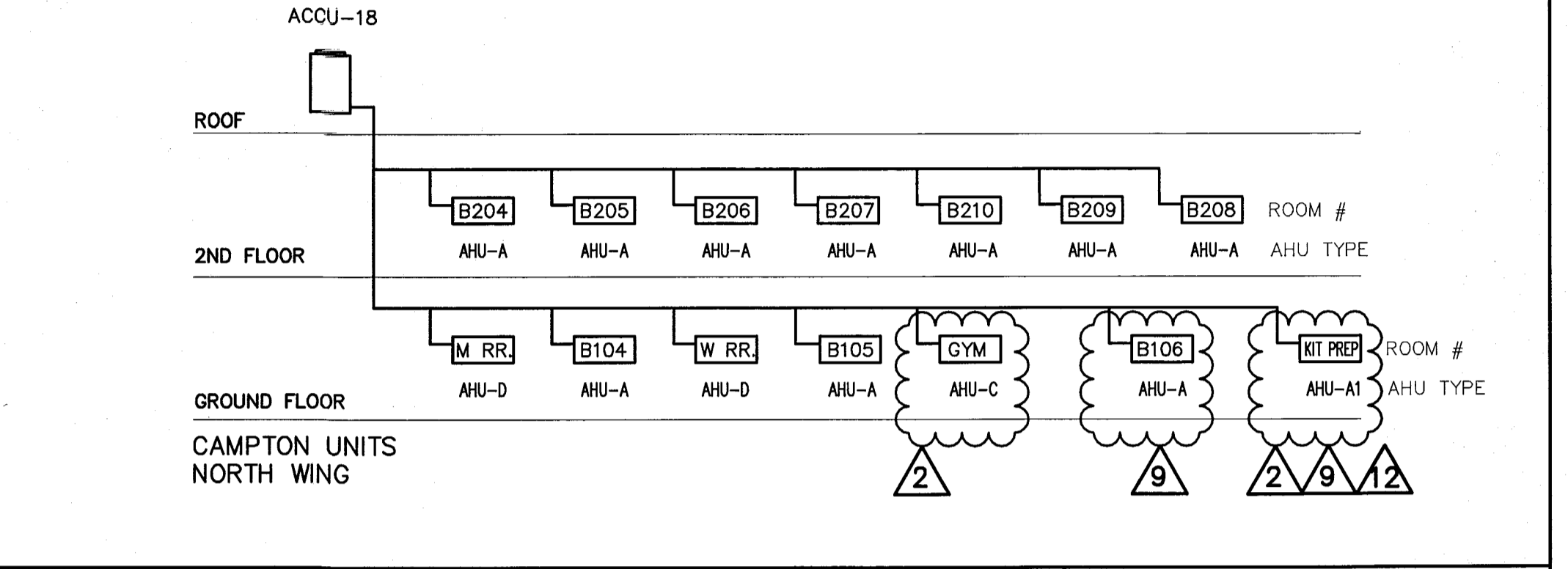
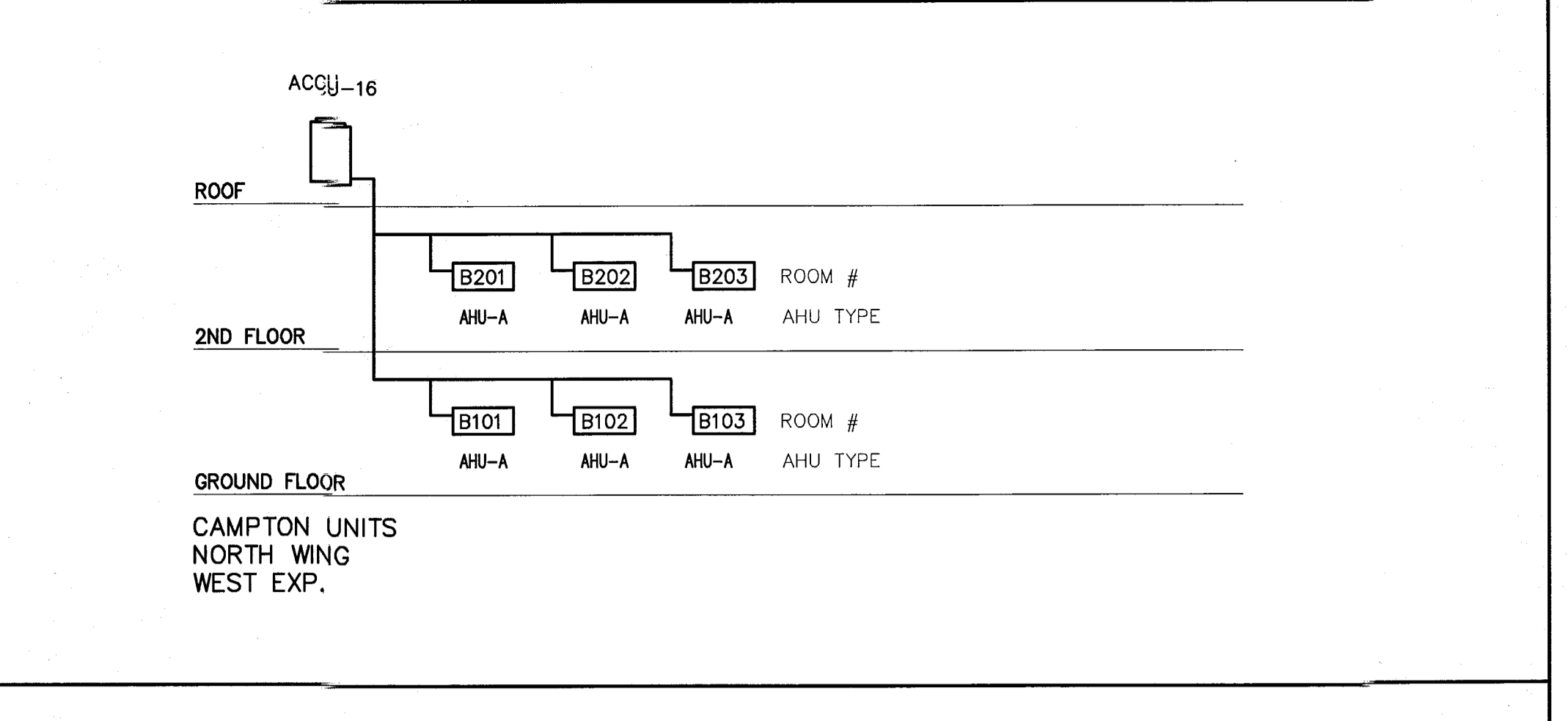
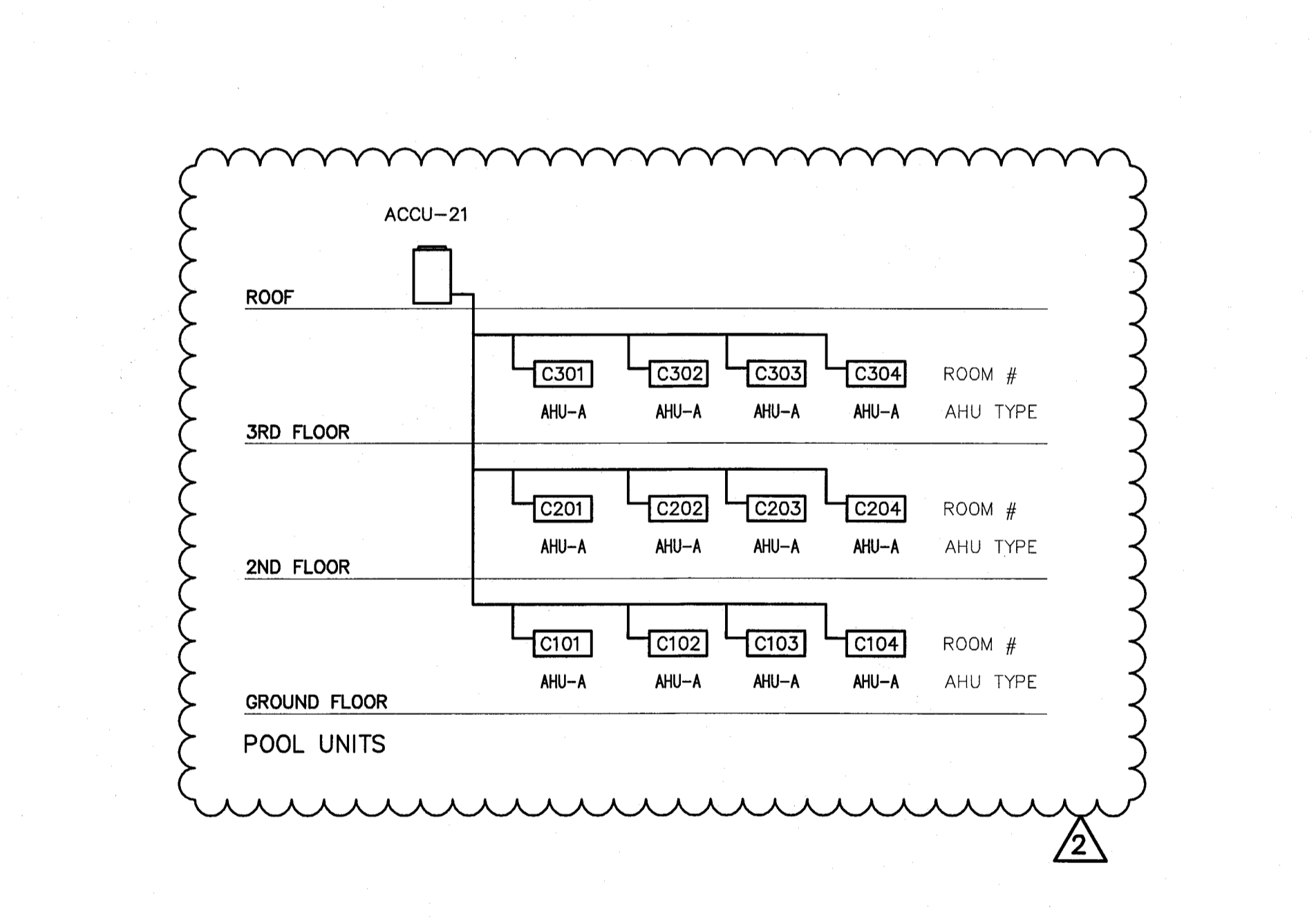
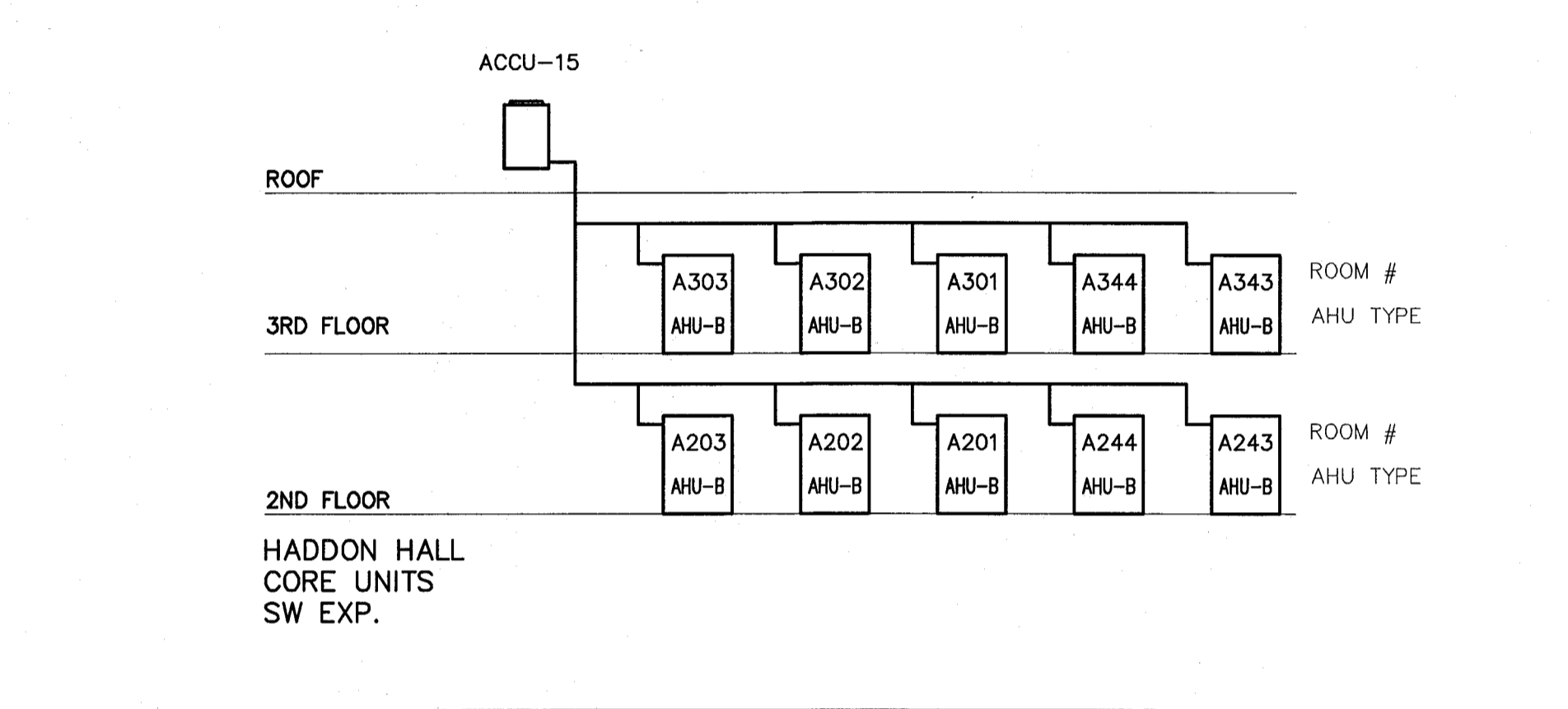
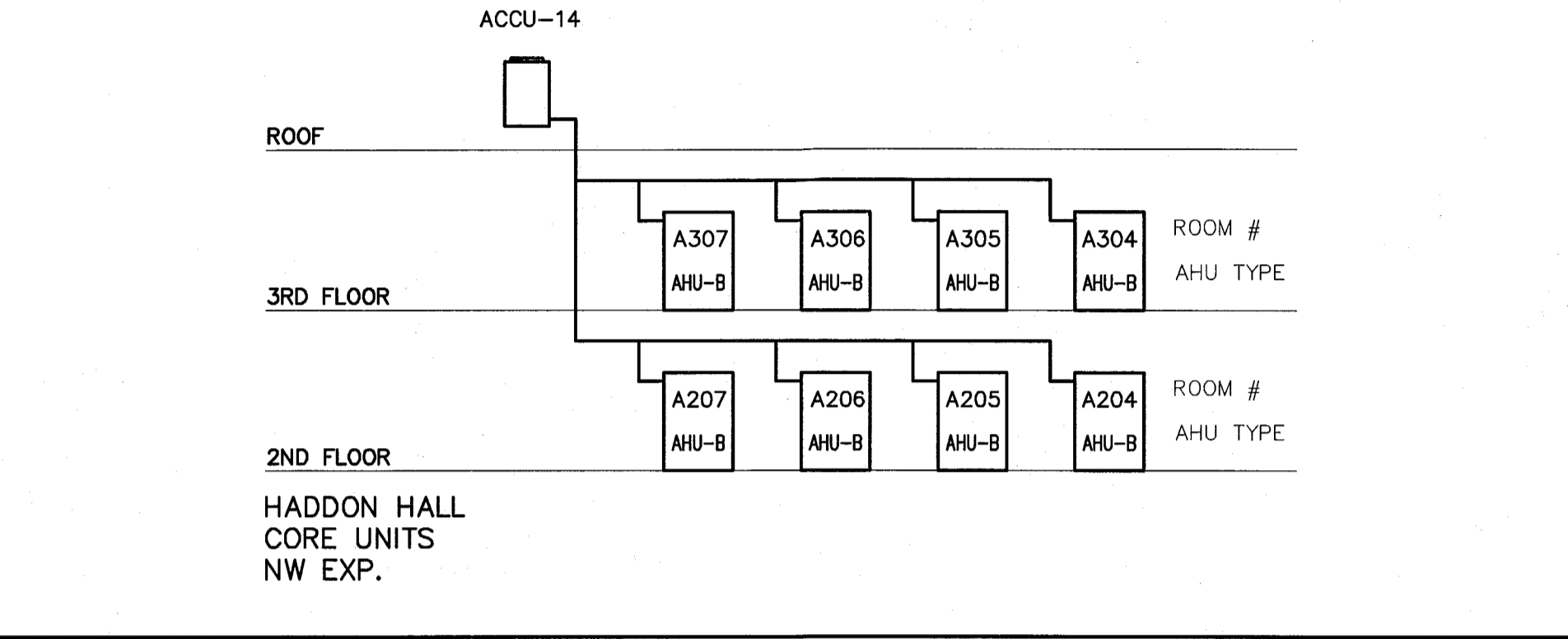
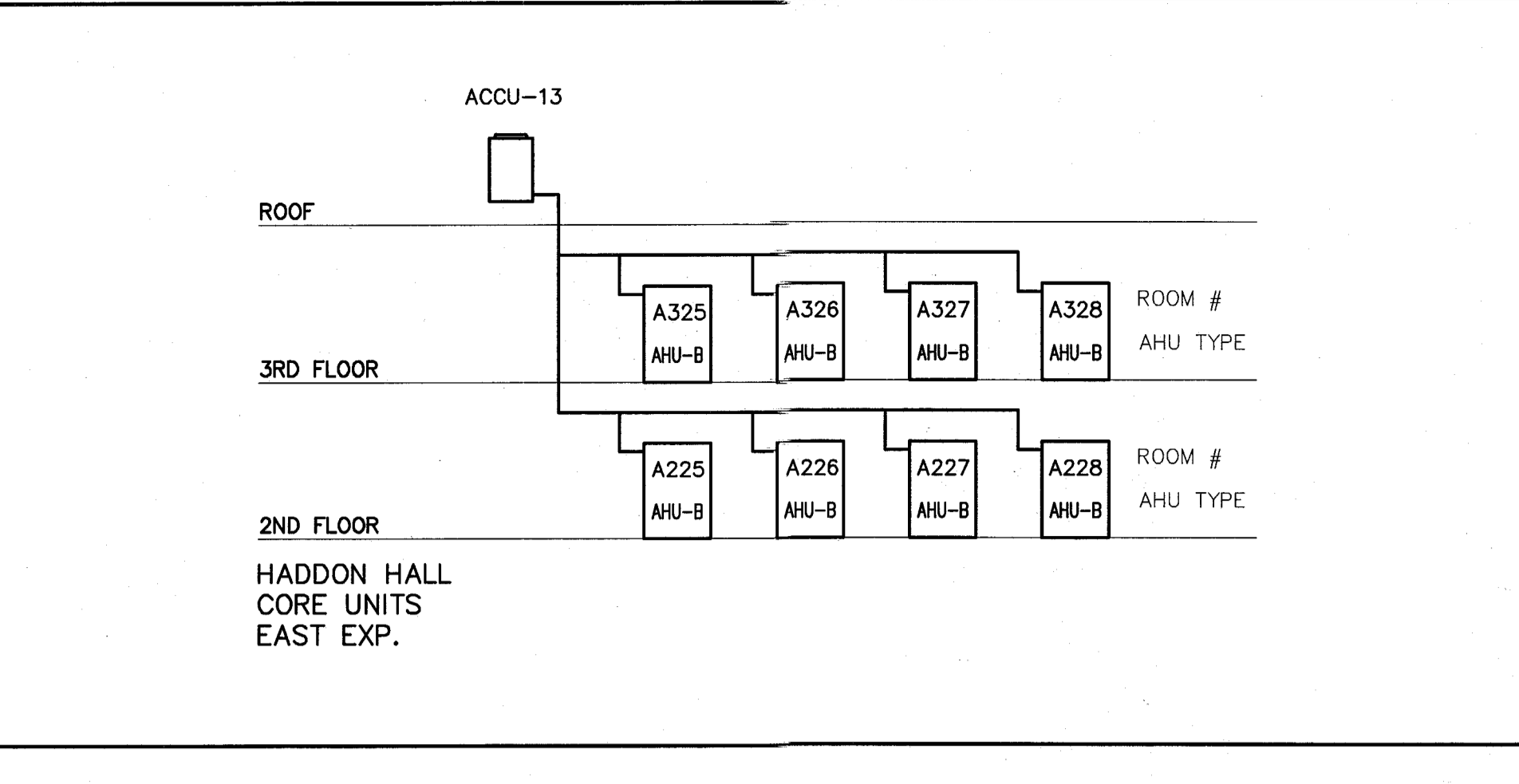
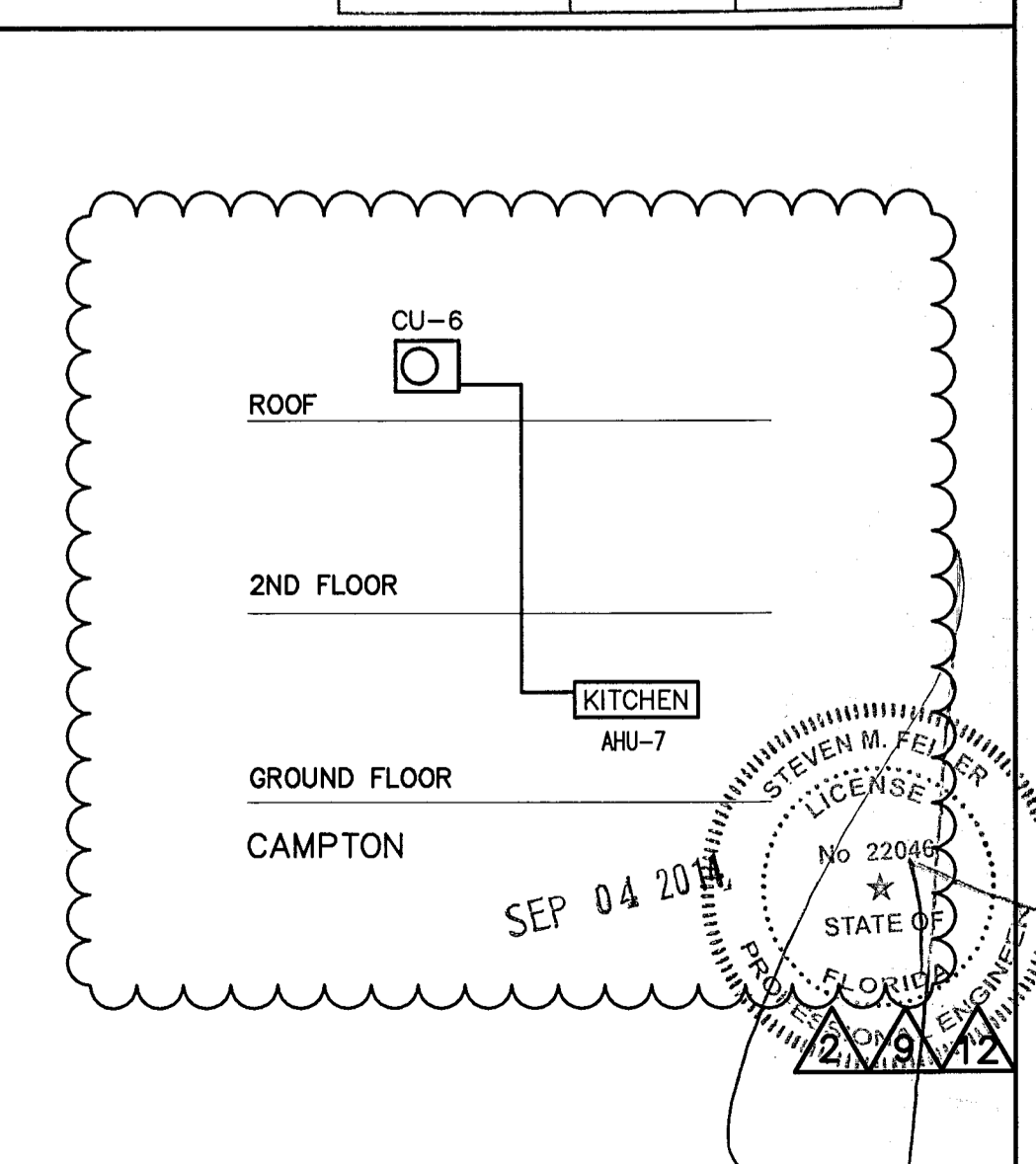
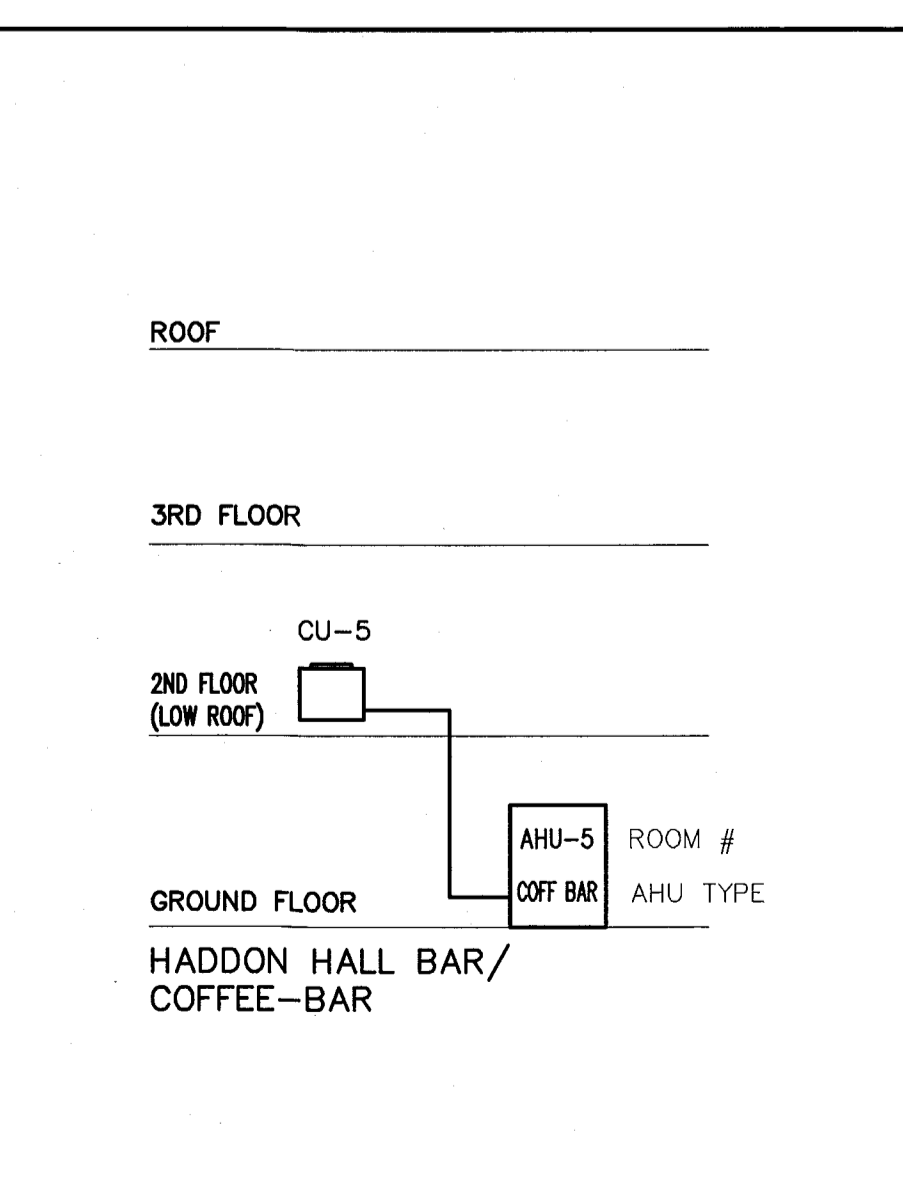
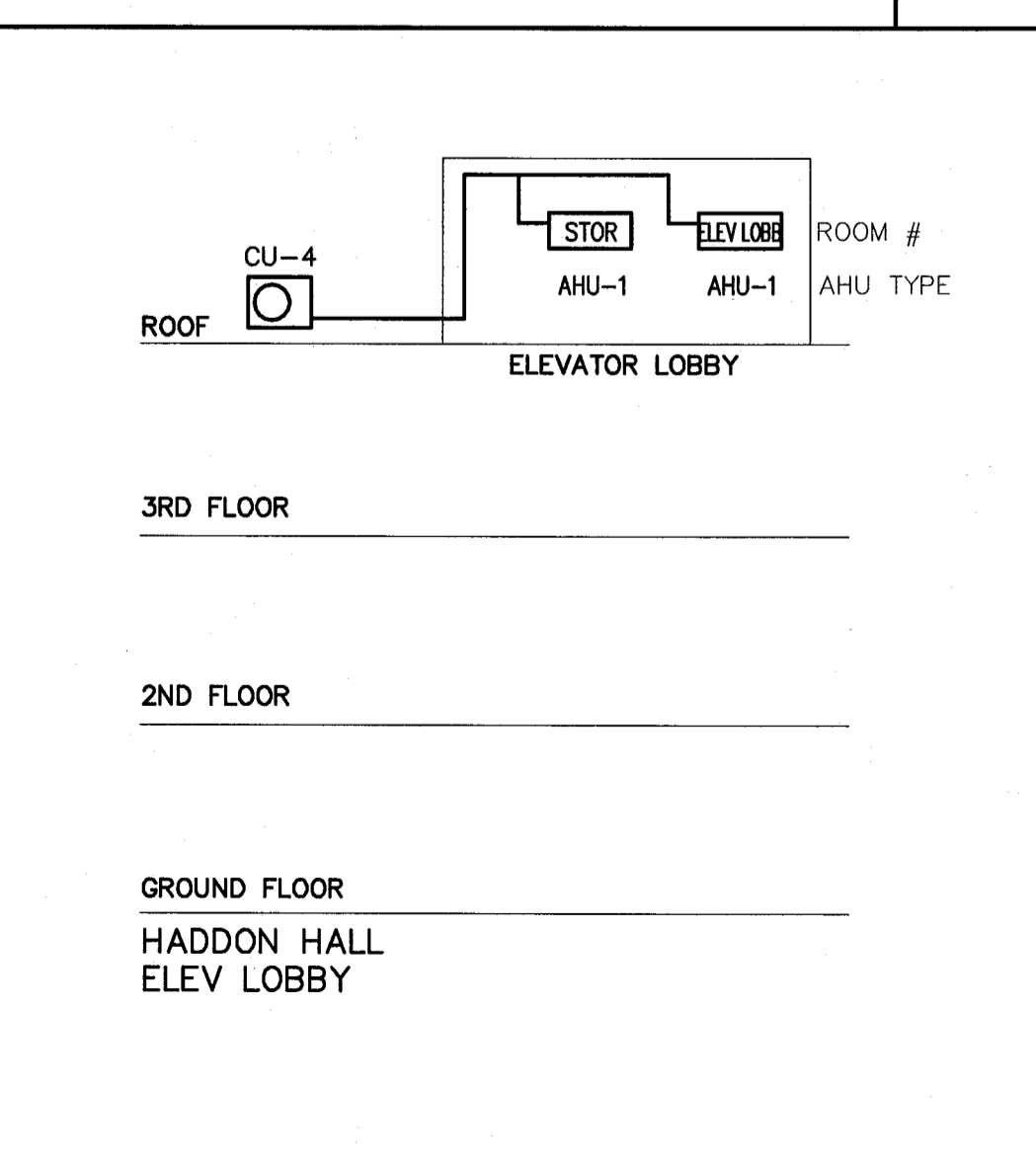
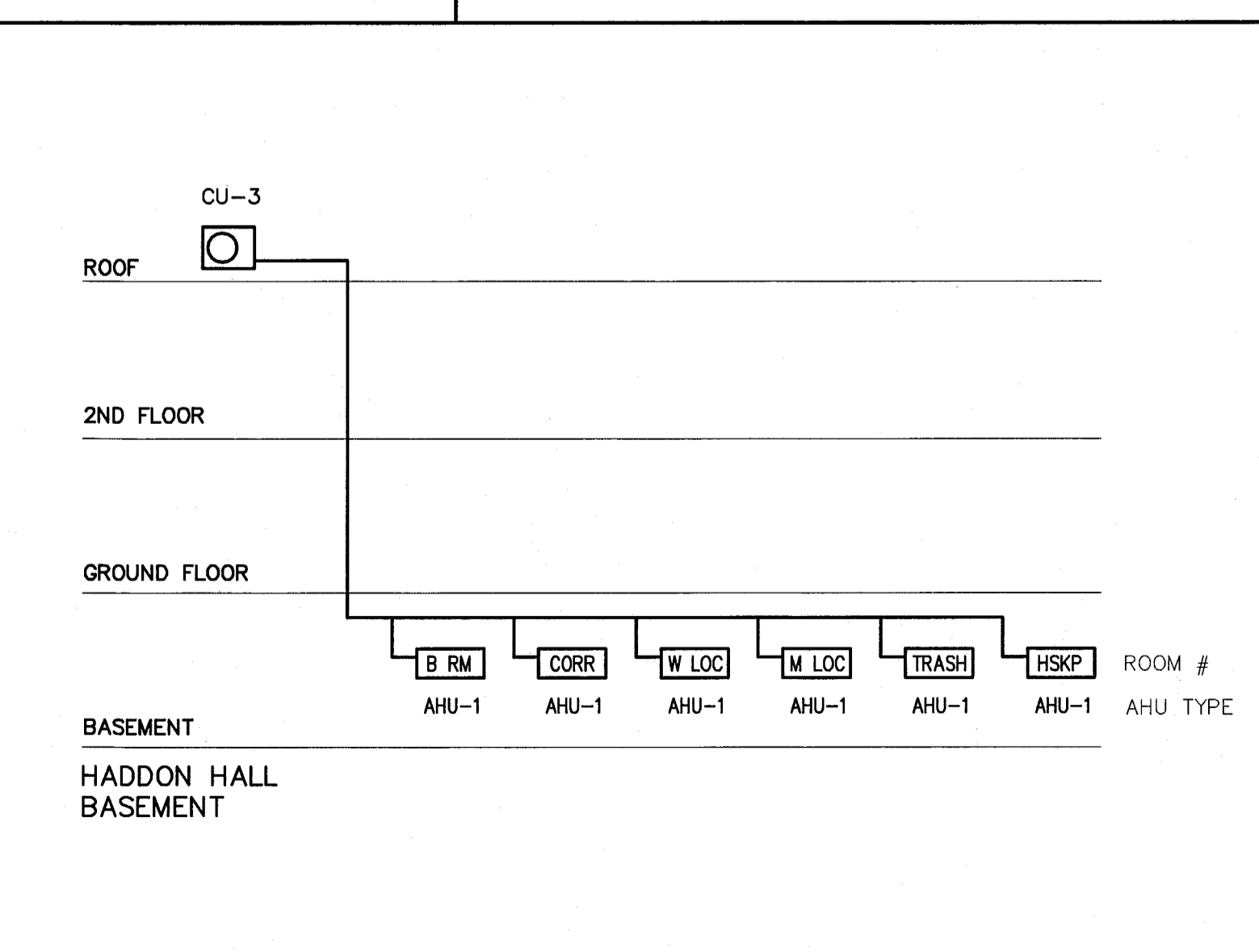
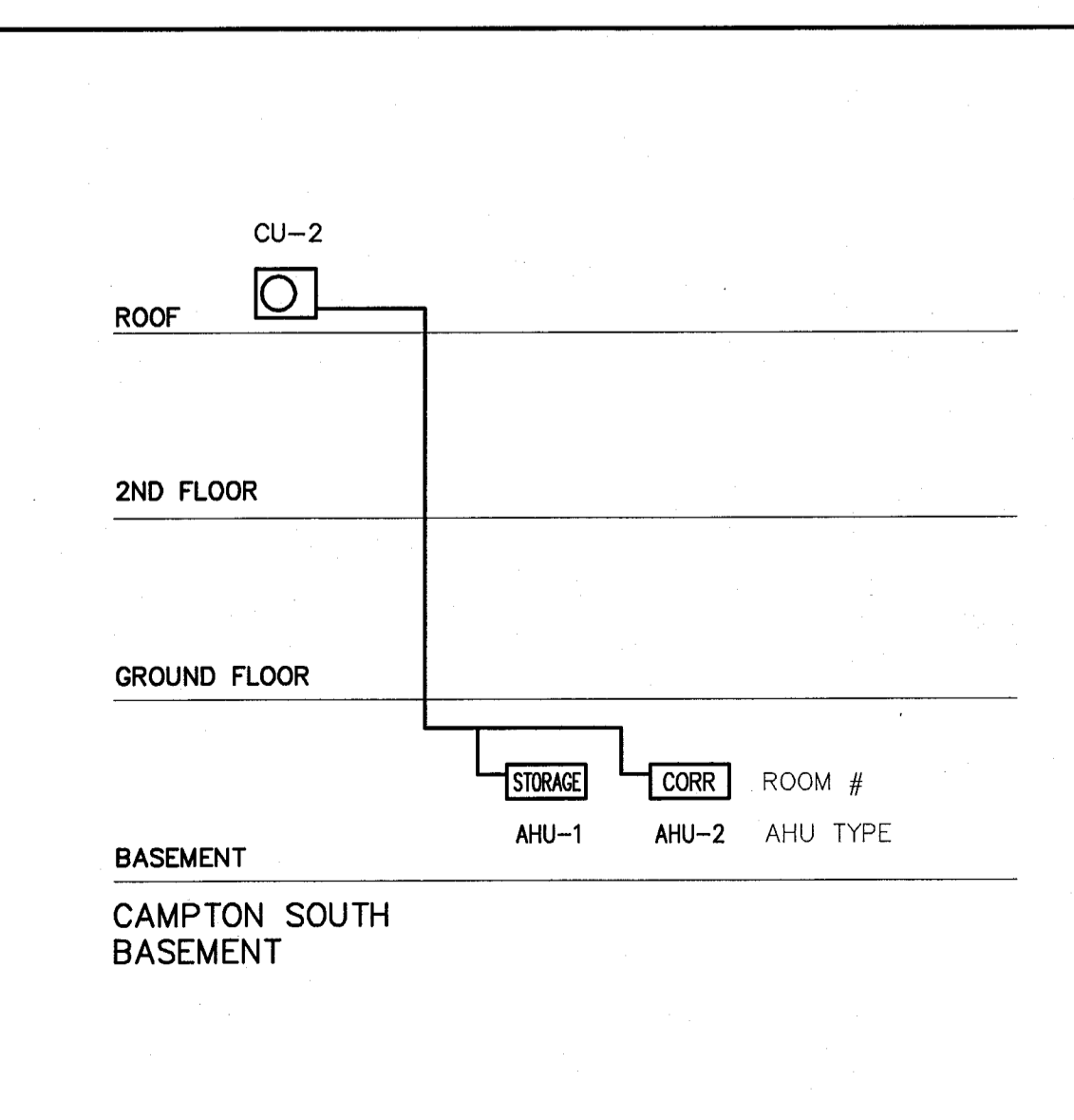
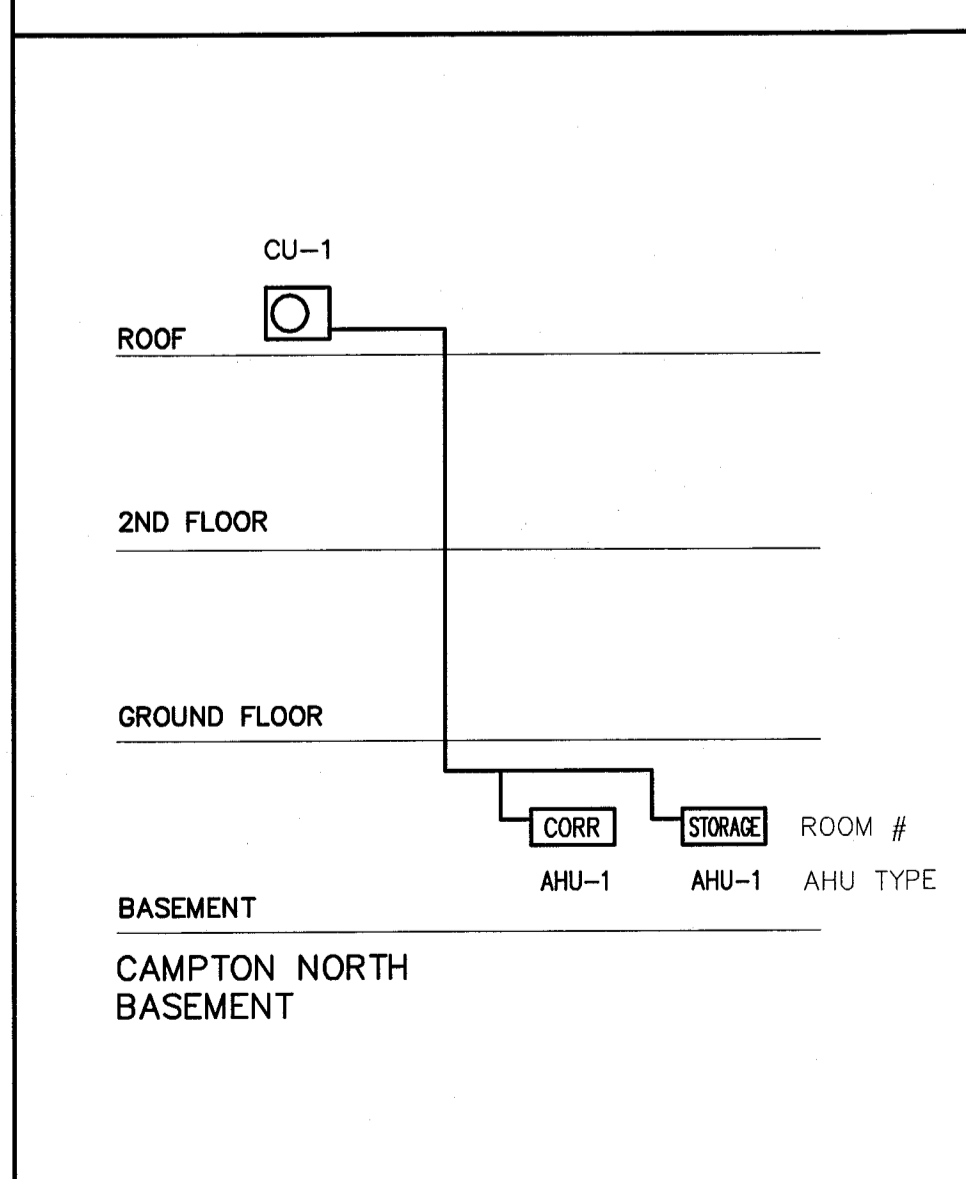
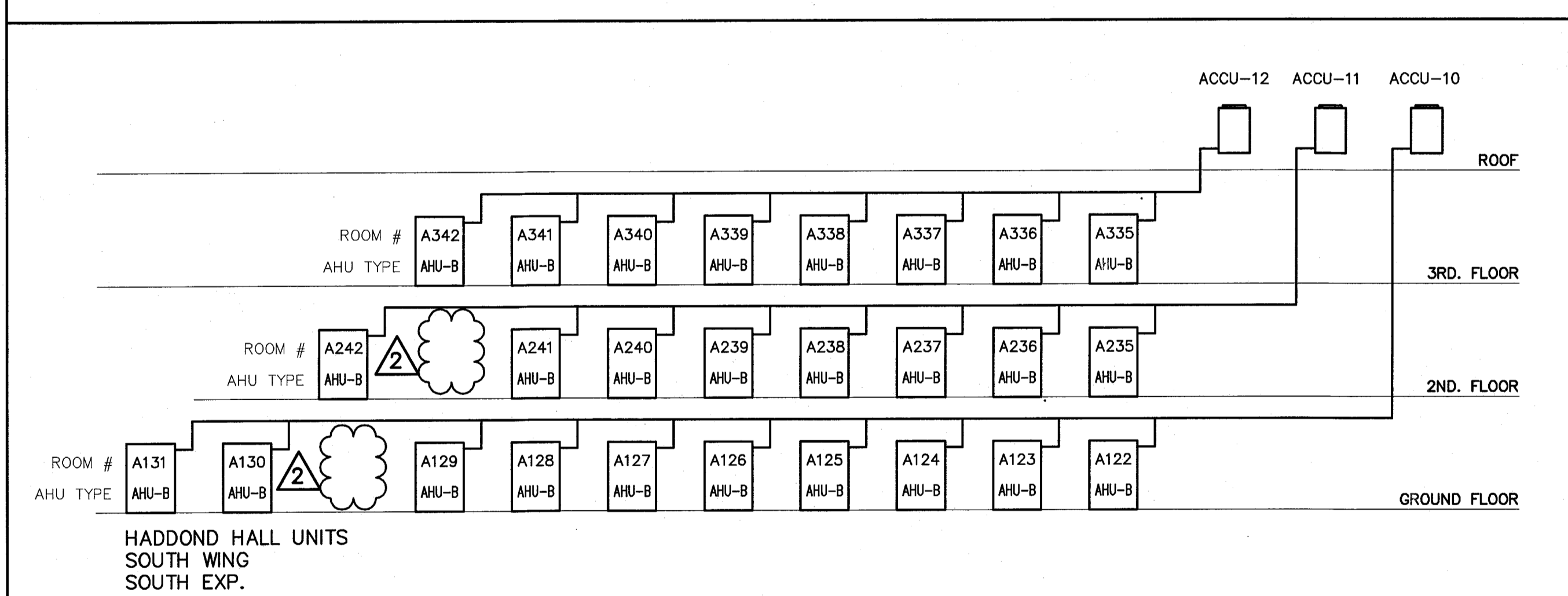
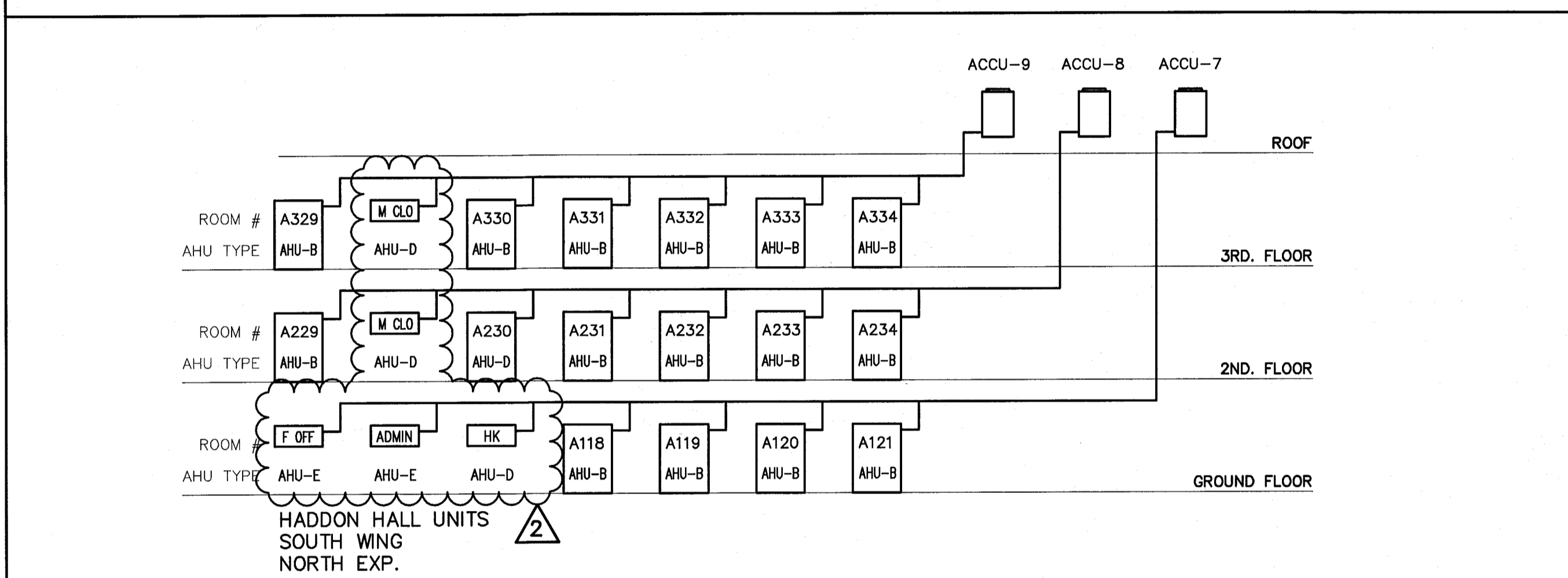
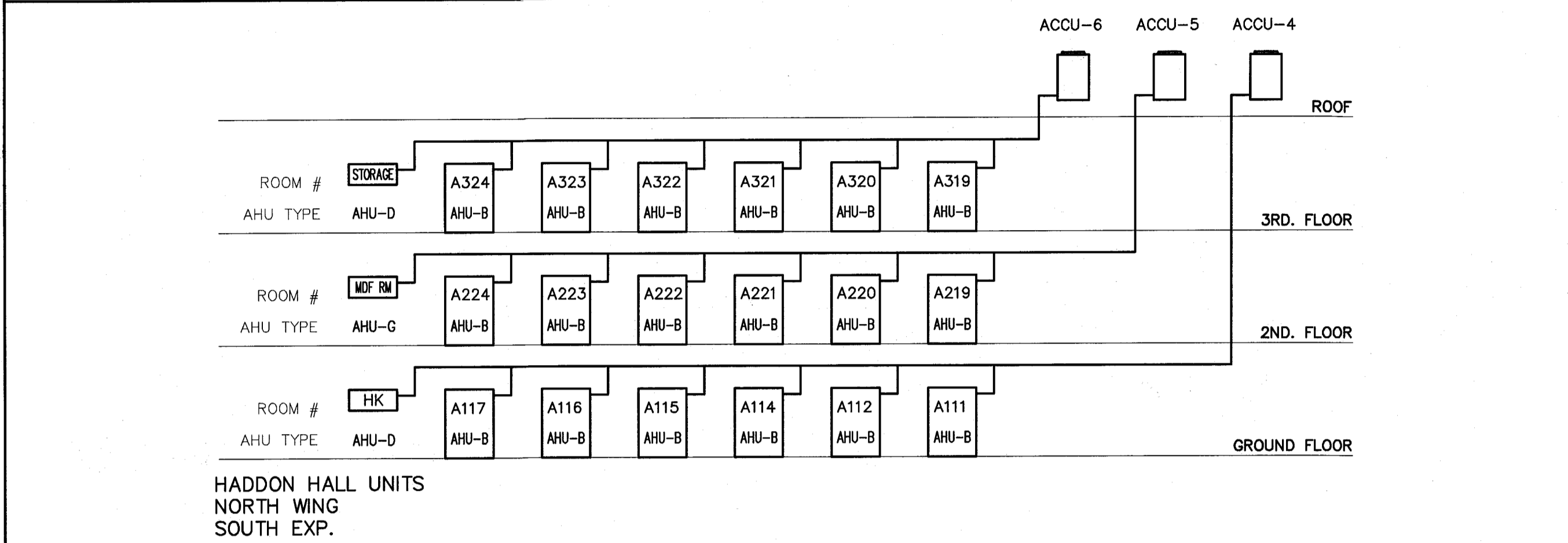
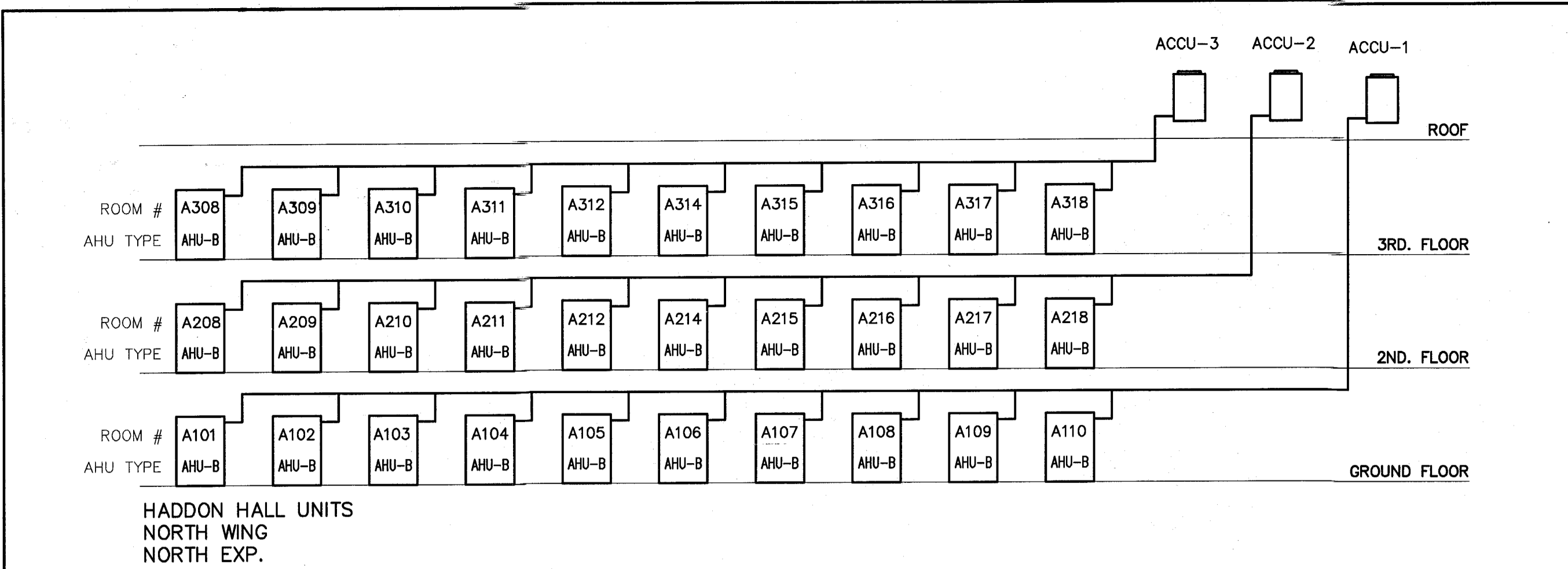
SHEET TITLE

**MECHANICAL SYSTEM  
DX RISER SCHEMATIC  
DIAGRAM**

SHEET NUMBER

**M4.01**

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**DX RISER SCHEMATIC DIAGRAM**  
SCALE: N.T.S.

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JOB # 13153

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FIRE DEPARTMENT

**M4.01**

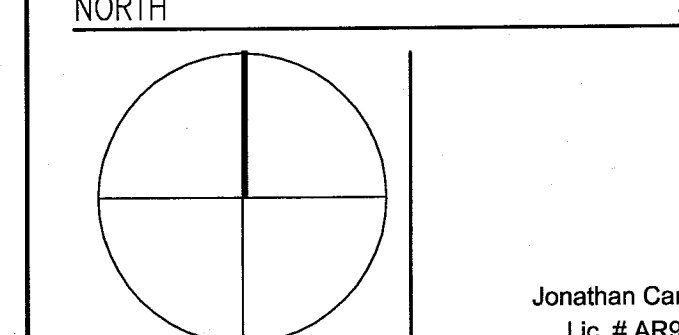
REVISIONS

NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-18-14
2	COORDINATION REVISION	03-14-14
9	KITCHEN RELOCATION	05-30-14
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MTCI		
BUILDING	REVIEWER	DATE
STRUCTURAL		
MECHANICAL		11/12/14
ELECTRICAL		
PLUMBING		
SITE CIVIL		

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ISSUE DATE: MARCH 14, 2014

SCALE: AS NOTED

SHEET TITLE

MECHANICAL SCHEDULES

SHEET NUMBER

M5.01

VRV AIR HANDLING UNIT SCHEDULE (HEAT PUMP)

MARK (MOUNTING)	SELECTION BASED ON:		ELECTRICAL	COOLING CAPACITY BTU/H	HEATING CAPACITY BTU/H	MCA A	MOP A	REFRIGERANT	REFRIGERANT CONTROL	AIRFLOW RATE H/L	WEIGHT	HEIGHT	WIDTH	DEPTH	SOUND DB	S.P.	LIQUID LINE	GAS LINE
	MAKE	MODEL NO.																
AHU-A (1 TON) HORIZ. SLIM	DAIKIN	FXDQ12MVJU	208-230/1/60	12,000	13,500	0.9	15	R-410A	ELECTRONIC EXPANSION VALVE	280	51	11-13/16	21-5/8	27-9/16	33	0.40	1/4	1/2
AHU-B (1 TON) VERTICAL	DAIKIN	FXTQ12PAVJU	208-230/1/60	12,000	13,500	1.1	15	R-410A	EXPANSION	400	119	46-3/4	19-1/2	27-9/16	22	0.50	1/4	1/2
AHU-C (2.5 TON) HORIZ. DUCTED	DAIKIN	FXXQ30PVJU	208-230/1/60	30,000	34,000	2.3	15	R-410A	ELECTRONIC EXPANSION VALVE	883	80	11-13/16	39-3/8	27-9/16	43	0.80	3/8	5/8
AHU-D (0.6 TON) HIGH WALL	DAIKIN	FXAQ07PVJU	208-230/1/60	7,500	8,500	0.4	15	R-410A	ELECTRONIC EXPANSION VALVE	260	26	11-3/8	31-1/4	9-1/4	36	-	1/4	1/2
AHU-E (0.6 TON) HORIZ. SLIM	DAIKIN	FXDQ07MVJU	208-230/1/60	7,500	8,500	0.9	15	R-410A	ELECTRONIC EXPANSION VALVE	280	51	7-7/8	27-9/16	24-7/16	33	0.12	1/4	1/2
AHU-F (1.0 TON) CEILING SUSPENDED	DAIKIN	FHXQ12MVJU	208-230/1/60	12,000	13,500	0.8	15	R-410A	ELECTRONIC EXPANSION VALVE	410	53	7-11/16	37-13/16	26-3/4	38	-	1/4	1/2
AHU-A1 (1.5 TON) HORIZ. SLIM	DAIKIN	FXDQ18MVJU	208-230/1/60	18,000	20,000	1.3	15	R-410A	ELECTRONIC EXPANSION VALVE	440	63	7-7/8	35-7/16	24-7/16	33	0.17	1/4	1/2

VRV-III HEAT PUMPS & MULTISPLIT SYSTEM

- 1- DAIKIN BASIS OF DESIGN, PANASONIC, SAMSUNG, MITSUBISHI, WILL BE CONSIDERED PER APPROVED/ EQUALS.
- 2- PROVIDE 7 YEARS COMPRESSOR WARRANTY, 1 YEAR PARTS IN CONDENSING UNITS & FAN COIL INVERTER TYPE COMPRESSION WITH.
- 3- PROVIDE INTELLIGENT TOUCH MANAGER COMPLETE W/D JPLUIS ADAPTER.
- 4- FURNISH AND INSTALL ALL AHU'S W/ FACTORY MOUNTED CONDENSATE PUMP W/ DISCHARGE CHECK VALVE AND FLOAT SWITCH TO AUTOMATICALLY SHUT DOWN UNIT IF FAILURE. REFER TO RISER DIAGRAM FOR CONDENSING UNITS TYPES & LOCATION.
- 5- MAINTAIN REFRIGERANT PIPING WITHIN MANUFACTURER'S RECOMMENDED LENGTHS. DO NOT EXCEED LIMITATIONS.
- 6- PROVIDE REFRIGERANT PIPE DIAMETERS PER MANUFACTURER'S RECOMMENDATIONS & CALCULATIONS. COORDINATE W/ MANUFACTURER FOR ALL PIPE SIZING CALCULATIONS.
- 7- PROVIDE REFRIGERANT PIPE JOINTS IN ACCORDANCE W/ MANUFACTURER'S REQUIREMENTS AND APPROVED MANUFACTURER'S METHODS.

VRV CONDENSER UNIT SCHEDULE (HEAT PUMP)

MARK (AHU)	SELECTION BASED ON:		ELECTRICAL	COOLING CAPACITY BTU/H	HEATING CAPACITY BTU/H	OPERATING RATING COOLING	OPERATING RATING HEATING	IEER	MCA A	MOP A	RLA A	SOUND DB	AIRFLOW CFM	REFRIGERANT PIPING		EQUIVALENT PIPE LENGTH	WEIGHT LBS.	DIMENSIONS (HxWxD)	
	MAKE	MODEL NO.												VERTICAL PIPE LENGTH ABOVE	VERTICAL PIPE LENGTH BELOW				
ACCU-4,6,7,8,9,16,17,19 (6 TON)	DAIKIN	RXYQ72PBTJ	208-230/3/60	72,000	77,000	23-110	0-77	25.8/21.5	30	35	14.2	57	8,230	164 (295 WITH OPTION)	295	540	620	420	66-1/8"x36-5/8"x30-1/8"
ACCU-11,12,13,14 (8 TON)	DAIKIN	RXYQ96PBTJ	208-230/3/60	96,000	108,000	23-110	0-77	23.0/18.0	43	50	7.8+16.8	60	8,300	164 (295 WITH OPTION)	295	540	620	620	66-1/8"x48-7/8"x30-1/8"
ACCU-1,2,3,10,15 (10 TON)	DAIKIN	RXYQ120PBTJ	208-230/3/60	120,000	135,000	23-110	0-77	20.4/17.2	43	50	10.6+16.8	60	8,230+8,230	164 (295 WITH OPTION)	295	540	620	620	66-1/8"x48-7/8"x30-1/8"
ACCU-18, 20 (15 TON)	DAIKIN	RXYQ192PBTJ	208-230/3/60	184,000	206,000	23-110	0-77	19.9/19.1	43+30	50+35	(10.8+16.8)+14.2	62	8,230+6,350	164 (295 WITH OPTION)	295	540	620	1040	66-1/8"x48-7/8"x30-1/8" +66-1/8"x36-5/8"x30-1/8"
ACCU-21 (14 TON)	DAIKIN	RXYQ168PBTJ	208-230/3/60	160,000	180,000	23-110	0-77	22.2/20.2	43+30	50+35	(7.8+16.8)+14.2	62	8,230+8,230	164 (295 WITH OPTION)	295	540	620	860	66-1/8"x36-5/8"x30-1/8" +66-1/8"x48-7/8"x30-1/8"

SPLIT DUCTED INDOOR UNIT SCHEDULE (HEAT PUMP)

MARK (MOUNTING)	SELECTION BASED ON:	ELECTRICAL	COOLING CAPACITY BTU/H	HEATING CAPACITY BTU/H	AIRFLOW CFM	WEIGHT	SUCTION LINE	LIQUID LINE	SOUND DB	SEER
MAKE	MODEL NO.									
AHU-7 (3.0 TON) DCUT CONCEALED	DAIKIN FBQ36PVJU	208-230/1/60	36000	27200	1130	102	5/8"	3/8"	39	17.5

SPLIT CONDENSER UNIT SCHEDULE (HEAT PUMP)

MARK (AHU)	SELECTION BASED ON:	ELECTRICAL	COOLING CAPACITY BTU/H	HEATING CAPACITY BTU/H	SEER/EER	MCA A	MOP A	SUCTION LINE	LIQUID LINE	DIMENSIONS (HxWxD)	WEIGHT
MAKE	MODEL NO.										
CU-7	DAIKIN RZQ36PVJU9	208-230/1/60	36000	27500	16.3/10.8	27	30	5/8"	3/8"	53X17X17	283

FAN SCHEDULE

MARK	SELECTION BASED ON:	CFM	STATIC PRESSURE	VOLT/PH/Hz	SPEED CONTROLLED UNIT	WATTS	CONTROL	SERVICE	SONES
MAKE	MODEL NO. TYPE								
EF-1	GREENHECK SP-A50 CABINET	50	0.1	120/1/60	YES	18.3	MOTION SENSOR	TOILETS	0.8

MULTISPLIT WALL MOUNTED INDOOR UNIT SCHEDULE (HEAT PUMP)

MARK (MOUNTING)	SELECTION BASED ON:	ELECTRICAL	COOLING CAPACITY BTU/H	HEATING CAPACITY BTU/H	AIRFLOW CFM	WEIGHT	SUCTION LINE	LIQUID LINE	SOUND DB
MAKE	MODEL NO.								
AHU-1 (0.6 TON) HIGH WALL	DAIKIN CTXS07LVJU	208-230/1/60	7000	850	350	20	3/8"	1/4"	38
AHU-2 (1 TON) HIGH WALL	DAIKIN CTXS12LVJU	208-230/1/60	11500	11500	400	20	3/8"	1/4"	45

MULTISPLIT CONDENSER UNIT SCHEDULE (HEAT PUMP)

MARK (AHU)	SELECTION BASED ON:	ELECTRICAL	COOLING CAPACITY BTU/H	HEATING CAPACITY BTU/H	SEER/EER	MCA A	MOP A	SUCTION LINE	LIQUID LINE	DIMENSIONS (HxWxD)	WEIGHT
MAKE	MODEL NO.										
CU-1,4&6	DAIKIN 2MXS18GVJU	208-230/1/60	18,000	22,000	16.3/10.8	11.1	20	3/8"	1/4"	29X33X12	139
CU-2	DAIKIN 3MXS24GVJU	208-230/1/60	24,000	30,000	16.3/12.5	17.8	20	3/8"	1/4"	31X17X13	168
CU-3	DAIKIN RMXS48LVJU	208-230/1/60	48,000	54,000	16.3/10.8	27	30	3/4"	3/8"	53X17X13	283

SPLIT SYSTEM VERTICAL INDOOR UNIT SCHEDULE

MARK (MOUNTING)	SELECTION BASED ON:	ELECTRICAL	COOLING CAPACITY BTU/H	HEATER KW MOP	AIRFLOW CFM	MOTOR HP	MOTOR RPM	MOTOR FLA	MOTOR LRA	MOTOR MCA	MOP A	WEIGHT	REFRIG.	SUCTION LINE	LIQUID LINE
MAKE	MODEL NO.														
AHU-5 (7.5 TON) VERTICAL	DAIKIN DAR0904A	208-230/3/60	90,000	15 50	3000	1.5	-	5.2	35	6.5	15	405	R-410A	1-1/8"	5/8"

SPLIT SYSTEM CONDENSER UNIT SCHEDULE

MARK (AHU)	SELECTION BASED ON:	ELECTRICAL	EER SEER	COOLING CAPACITY BTU/H	HEATING CAPACITY BTU/H	COMPRESSOR RLA	FAN FLA A	FAN HP	REFRIG.	SUCTION LINE	LIQUID LINE	DIMENSIONS (HxWxD)	WEIGHT	MCA A	MOP A
MAKE	MODEL NO.														
CU-5	DAIKIN DX115A	208-230/3/60	11.2 11.5	90,000		25.0	5.6	1.0	R-410A	1-3/8"	5/8"	36X36X37	315	36.9	60

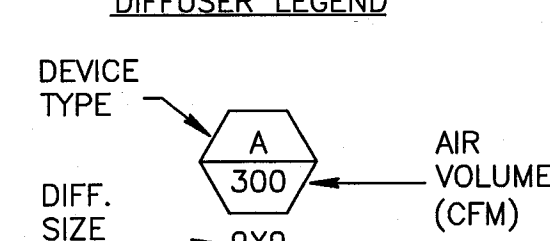
AIR DISTRIBUTION SCHEDULE

MARK	USE	MATERIAL	FRAME	ACCESSORIES	FINISH	MAKE AND MODEL NO.	REMARKS
A	SUPPLY	ALUMINUM	*	OBD	**	TITUS 272 FS	1
B	SUPPLY	ALUMINUM	*	OBD	**	TITUS TDC-AA	1
C	RETURN/ EXHAUST	ALUMINUM	*	OBD	**	TITUS 4FL	1

GENERAL NOTE:

1. TITUS IS THE BASIS OF DESIGN AND THE STANDARD FOR COMPARISON.
  2. PROVIDE LOCKABLE TYPE O.B.O.
  3. PROVIDE 24X24 PANEL.
  4. COORDINATE CEILING MOUNTING APPROACH AND PROVIDE REQUIRED HARDWARE FOR DIFFERENT CEILING TYPES WITH MANUFACTURER'S RECOMMENDATIONS.
- \* REFER TO ARCH'S PLANS FOR CEILING/WALL TYPE.  
\*\* OFF WHITE FINISH (SUBJECT TO ARCHITECTS APPROVAL).

DIFFUSER LEGEND



MECHANICAL SCHEDULES

SCALE: NTS

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SEP 04 2014

No. 22046

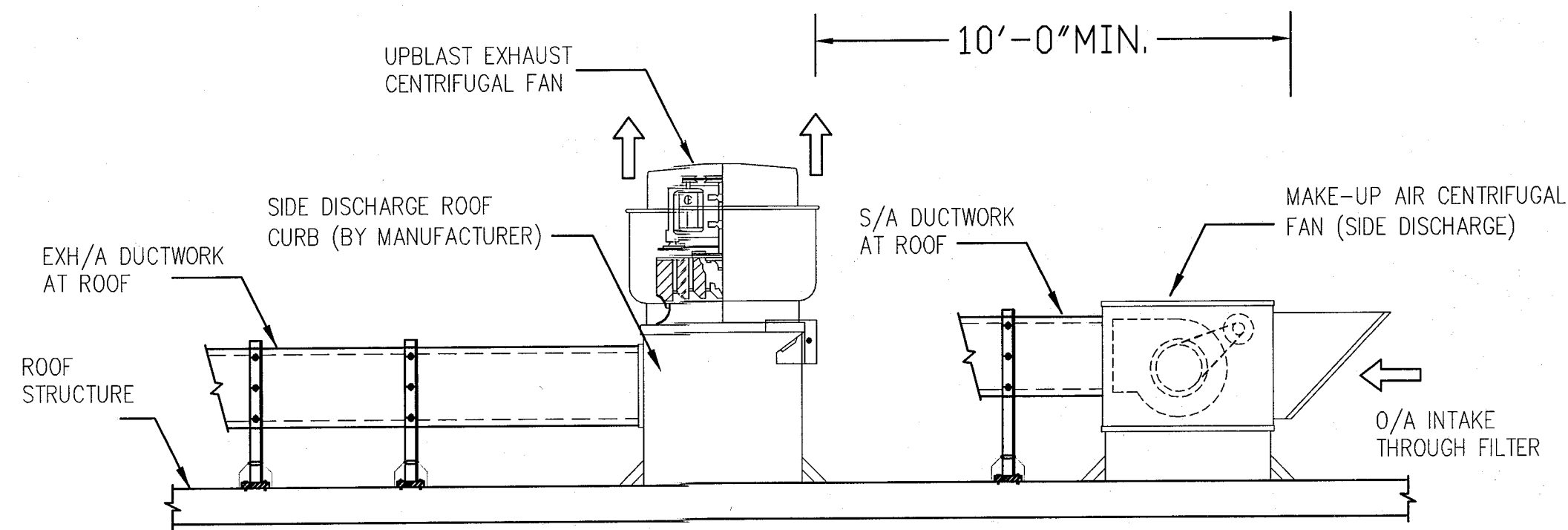
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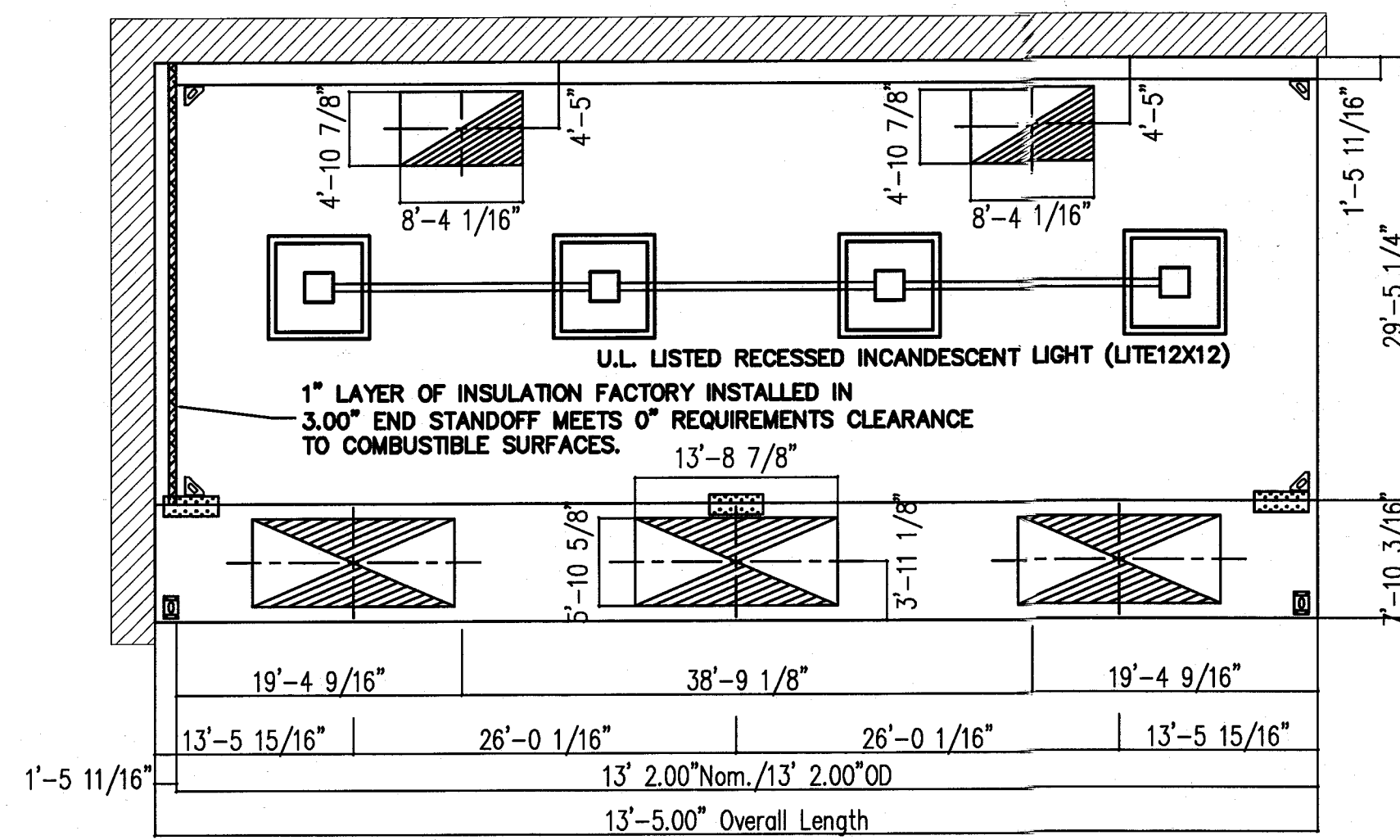
PROFESSIONAL ENGINEER

STEVEN FELLER P.E. P.L.

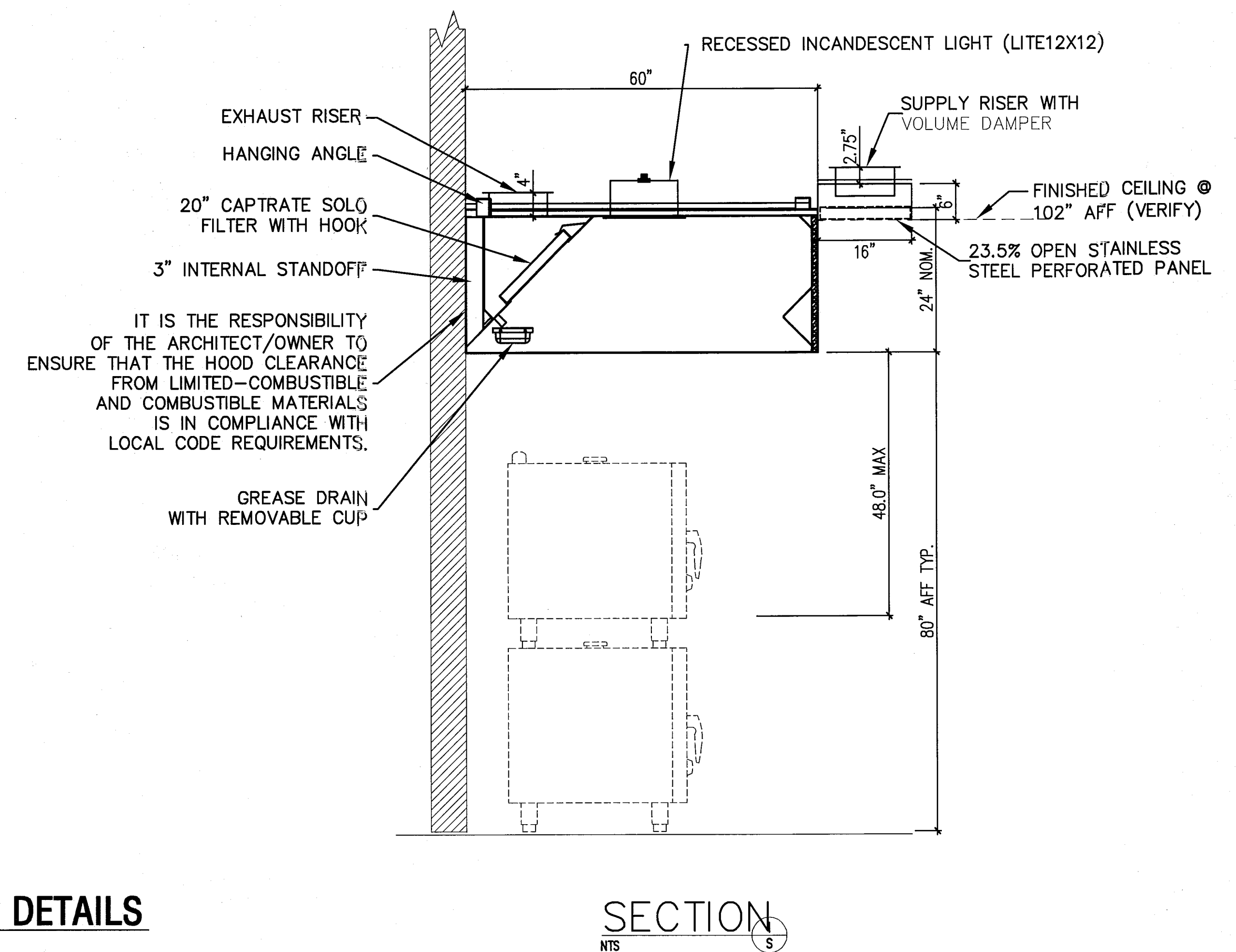
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**KITCHEN EXHAUST / SUPPLY FAN DETAIL**  
N.T.S.



PLAN VIEW - Hood



**HOOD VENTILATION DETAILS**  
N.T.S.

SECTION S  
N.T.S.

**HADDON HALL**  
1500 COLLINS AVE  
MIAMI BEACH, FL

KEYPLAN N.T.S.

REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS 100% CD SET	02-18-14
2	PERMIT REVIEW COMMENTS	03-14-14
3	KITCHEN RELOCATION	05-30-14
4	FIRE & MTCI COMMENTS	08-21-14

KITCHEN AIR BALANCE SCHEDULE					
DESCRIPTION	EXHAUST AIR CFM	SUPPLY AIR CFM	RETURN AIR CFM	O/A AIR CFM	PRESS DIFF CFM
HEAT / COOL AC UNIT	-	+1200	-900	+300	+300
HOOD EXHAUST FAN	-3896	-	-	-	-3896
MUA SUPPLY FAN	-	-	-	+2532	+2532
DISHWASHER EXHAUST	-	-	-	-	-
VENTILATION	-	-	-	+800	+800
TOTAL					-264

KITCHEN AREA IS 264 CFM UNDER NEGATIVE PRESSURE

PERFORATED SUPPLY PLENUM(S)											
HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG.	DIA.	CFM	S.P.
2	122	FRONT	161"	16"	6"	MUA	12"	28"		784	0.229"
						MUA	12"	28"		784	0.229"
						MUA	12"	28"		784	0.229"

HOOD OPTIONS			
HOOD NO.	TAG	OPTION	
2	122	LEFT END STANDOFF (FINISHED)	3" WIDE 60" LONG INSULATED
		STRUCTURAL FRONT PANEL	

HOOD INFORMATION											
HOOD NO.	TAG	FILTER(S)				LIGHT(S)				FIRE SYSTEM	HOOD HANGING WGT
		TYPE	QTY.	HEIGHT	LENGTH	QTY.	TYPE	WIRE GUARD			
1	109					0	RECESSED			NO	346 LBS
2	122	CAPTRATE SOLO FILTER	9	20"	16"	4				NO	744 LBS

HOOD INFORMATION														
HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)					TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG.	
						WIDTH	LENG.	DIA.	CFM	S.P.			END TO END	ROW
1	109	4224 VHB-G	3' 6.00"	700 Deg.	525	9"	9"		525	-0.068"	0	304 SS 100%	ALONE	ALONE
2	122	6024 ND-2-PSP-F	13' 2.00"	600 Deg.	3621	10"	17"		1810	-0.677"	2352	304 SS 100%	ALONE	ALONE

KITCHEN FAN SCHEDULE																
MARK	SELECTION BASED ON:			EXT. STAT. PRESSURE	CFM	HP	VOLT/ø/HZ	RPM	DRIVE	CONTROL	WEIGHT	SONES	SERVICE AREA	WALL OPENING	EMER. POWER	REMARKS
	MAKE	MODEL NO.	TYPE													
KEF-1	GREENHECK	CUBE 180-15	UPBLAST CENTRIFUGAL	1.0	3621	1-1/2	208/3/60	1725	BELT	-	197	18.4	CAMPTON KITCHEN	-	NO	1, 2, 3
KSF-1	GREENHECK	MSX-109-H12	CENTRIFUGAL	0.5	2352	1-1/2	208/3/60	1725	BELT	-	528	23	CAMPTON KITCHEN	-	NO	1, 2, 3
KSF-2	GREENHECK	SQ 95	IN-LINE	0.2	800	1/8	120/1/60	1550	DIRECT	-	41	23	CAMPTON KITCHEN	-	NO	1, 2, 3
KEF-2	GREENHECK	SQ 90	IN-LINE	0.4	579	1/10	120/1/60	1550	DIRECT	-	41	23	CAMPTON KITCHEN PREP.	-	NO	1, 2, 3

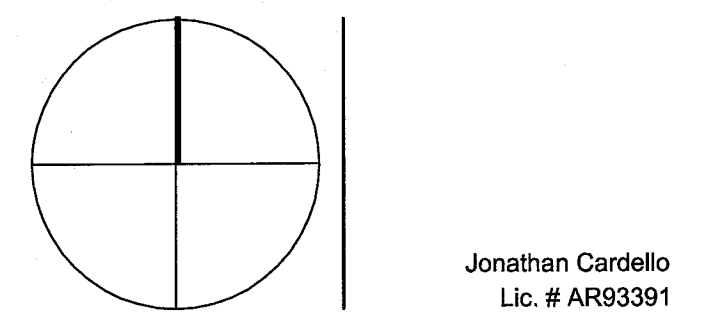
SPECIFIC FAN NOTES: (APPLIES TO INDIVIDUAL FANS) 1. PROVIDE WALL SWITCH. 2. PROVIDE WIRE GUARD - MOTOR SIDE. 3. PROVIDE SIDE DISCHARGE CURB.

ASHRAE STANDARD 62.1-2004 OUTSIDE AIR CALCULATION											
Voz=[(Rp x Pz)+(Ra x Az)]/Ez											
VENTILATION ZONE	UNIT #	Rp OUTDOOR AIR RATE PER PERSON	Pz QUANTITY AIR RATE PEOPLE	Vbzp VENTILATION BASED ON PEOPLE	Ra OUTDOOR AIR RATE BASED ON AREA	Az AREA	Vbza VENTILATION BASED ON AREA	Vbz TOTAL VENTILATION RATE	Ez ZONE AIR DISTRIBUTION EFF	Voz ZONE D/A=Vbz/Ez	PROVIDED CFM
BAR/COFFEE & SEAT LOUNGE (A/2)	AHU-5	7.5	22	165	0.18	1993	358.74	523.74	1	523.74	525
GYM	AHU-C	0	6	0	0.3	335	106.5	106.5	1	106.5	110
KITCHEN	RTU-1	7.5	4	30	0.12	250	106.5	106.5	1	106.5	300
FRONT OFFICE	AHU-E	5	1	5	0.06	160	10	15	1	15	15

MTCI		
PRIVATE PROVIDER SERVICES, LLC		
Construction Plans Review, Inspection, Testing & Consulting		
REVIEWER	DATE	
INITIALS	REVIEWED	
BUILDING		
STRUCTURAL		
MECHANICAL		
ELECTRICAL		
PLUMBING		
SITE CIVIL		

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NORTH SEAL



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ISSUE DATE: MARCH 14, 2014

SCALE: AS NOTED

SHEET TITLE

MECHANICAL SCHEDULES

SHEET NUMBER

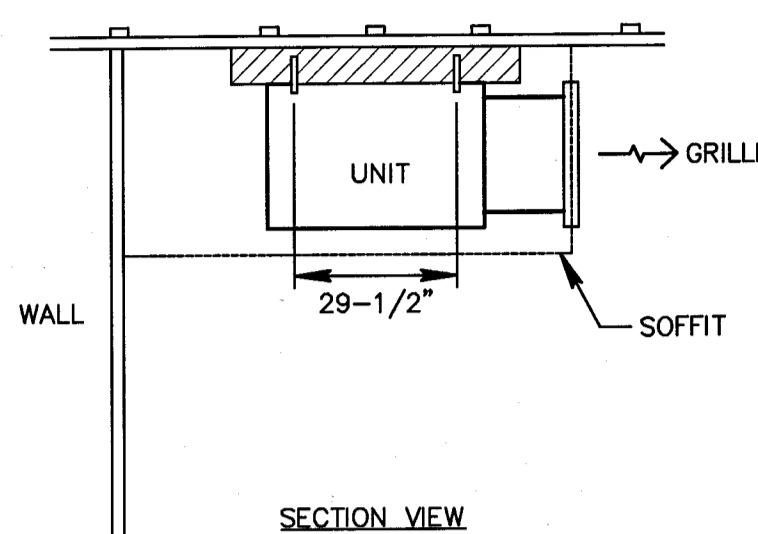
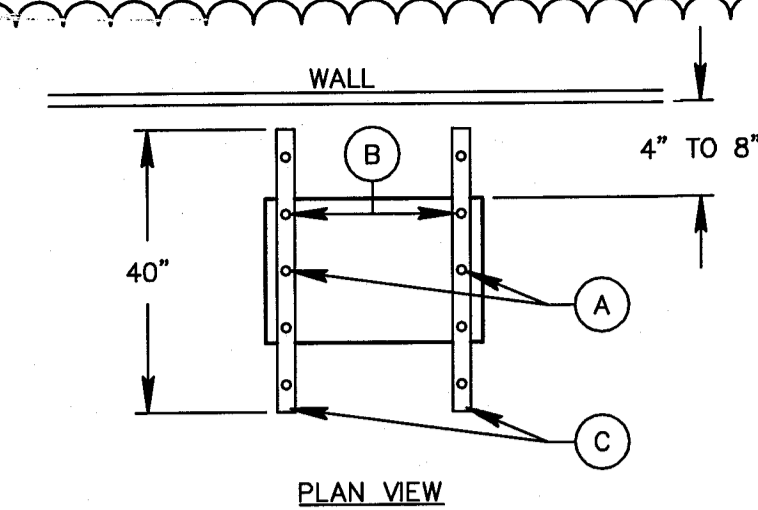
**MECHANICAL SCHEDULES**

SCALE: NTS

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**M5.02**

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**NOTES -**  
 A) DENOTES #8-2-1/2" LONG WOOD SCREWS - HEX HEAD SCREWS WILL BE USED TO ATTACH 2" SLOTTED UNISTRUT PIECES OF 40" LENGTH EACH TO EXISTING WOOD TRUSSES PM 16" CL TO CL.  
 B) DENOTES 3/8" ALL THREAD ROD PIECES TO ANCHOR DAMP UNIT TO STEEL STRUT PIECES THRU FACTORY HOLES 29-1/2" APART. DAMP UNIT WILL BE HELD WITH 1/4" THICK RUBBER GROMMET AS ISOLATORS.  
 C) 40" LONG STRUT PIECE.

**MINI-SPLIT FSN COIL ANCHORING DETAIL**  
 N.T.S.

**ABBREVIATIONS**

- AFB ABOVE FINISHED FLOOR
- BDD BACK DRAFT DAMPER
- BTU BRITISH THERMAL UNIT
- CFM CUBIC FEET PER MINUTE
- CG CEILING GRILLE
- CR CEILING REGISTER
- DB DRY BULB
- DN DOWN
- DR DROOP
- EAT ENTERING AIR TEMPERATURE
- EF EXHAUST FAN
- EWT ENTERING WATER TEMPERATURE
- FD FUSIBLE LINK FIRE DAMPER W/ DUCT ACCESS DOOR
- FLA FULL LOAD AMPS
- GPM GALLONS PER MINUTE
- HP HORSE POWER
- KWH KILOWATT
- LAT LEAVING AIR TEMPERATURE
- LRA LOCK ROTOR AMPS
- LWT LEAVING WATER TEMPERATURE
- MAT MIXED AIR TEMPERATURE
- MBT THOUSAND BTU PER HOUR
- MIN MINIMUM
- NFA NET FREE AREA
- NTS NOT TO SCALE
- ON OUTSIDE AIR INTAKE
- PSI (G) POUNDS PER SQUARE INCH (GAUGE)
- RA RETURN AIR
- RPM REVOLUTIONS PER MINUTE
- SMK SMOKE EXHAUST
- TRG TRANSFER GRILLE
- VD VOLUME DAMPER
- WB WET BULB
- WMS WIRE MESH SCREEN
- (300) 300 CUBIC FEET OF AIR PER MINUTE

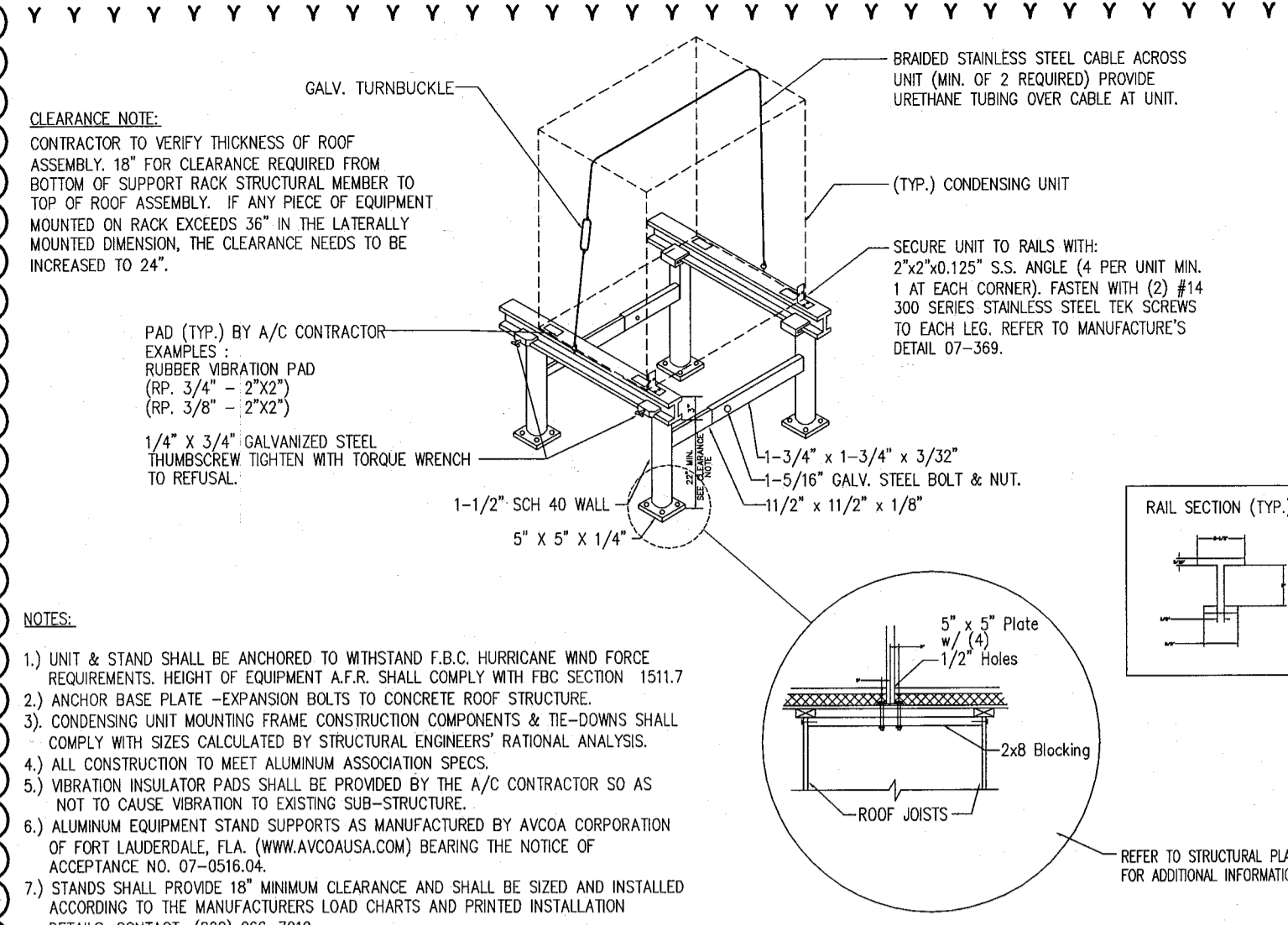
**DUCTWORK LEGEND:**

- SUPPLY DUCT UP
- SUPPLY DUCT DOWN
- RETURN OR EXHAUST DUCT UP
- RETURN OR EXHAUST DUCT DOWN
- DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST
- FIGURE INDICATES PLAN SIZE
- ROUND DUCT DIAMETER SIZE
- FLEXIBLE CONNECTION
- VOLUME DAMPER
- ELBOW WITH TURNING VANES
- RECTANGULAR DUCT CAPPED & SEALED W/ VOLUME DAMPER
- NEW DUCTWORK
- EXISTING DUCTWORK TO REMAIN
- EXISTING DUCTWORK TO BE REMOVED
- CEILING DIFFUSER (4-WAY)
- CEILING DIFFUSER (3-WAY)
- CEILING DIFFUSER (2-WAY)
- CEILING DIFFUSER (1-WAY)
- RETURN REGISTER OR GRILLE
- TRANSFER GRILLE ON BOTH SIDES OF PARTITION WALL
- SUPPLY REGISTER
- RETURN REGISTER OR GRILLE
- LOUVER DOOR (SQUARE FEET)
- UNDERCUT DOOR
- EQUIPMENT SYMBOL AND NUMBER
- MOTORIZED DAMPER WITH AIRFOIL BLADES AND OBD
- FIRE DAMPER W/ ACCESS PANEL
- AUTOMATIC COMBINATION FIRE SMOKE DAMPER WITH AIRFOIL BLADES AND OBD. RUSKIN FSD-80.
- MANUAL VOLUME DAMPER
- PROVIDE DIGITAL PROGRAMMABLE THERMOSTAT FOR ALL HP IN APARTMENTS AND COMMERCIAL HEAT PUMPS. LOCKING COVER TO BE PROVIDED FOR ALL COMMERCIAL HEAT PUMP UNITS.

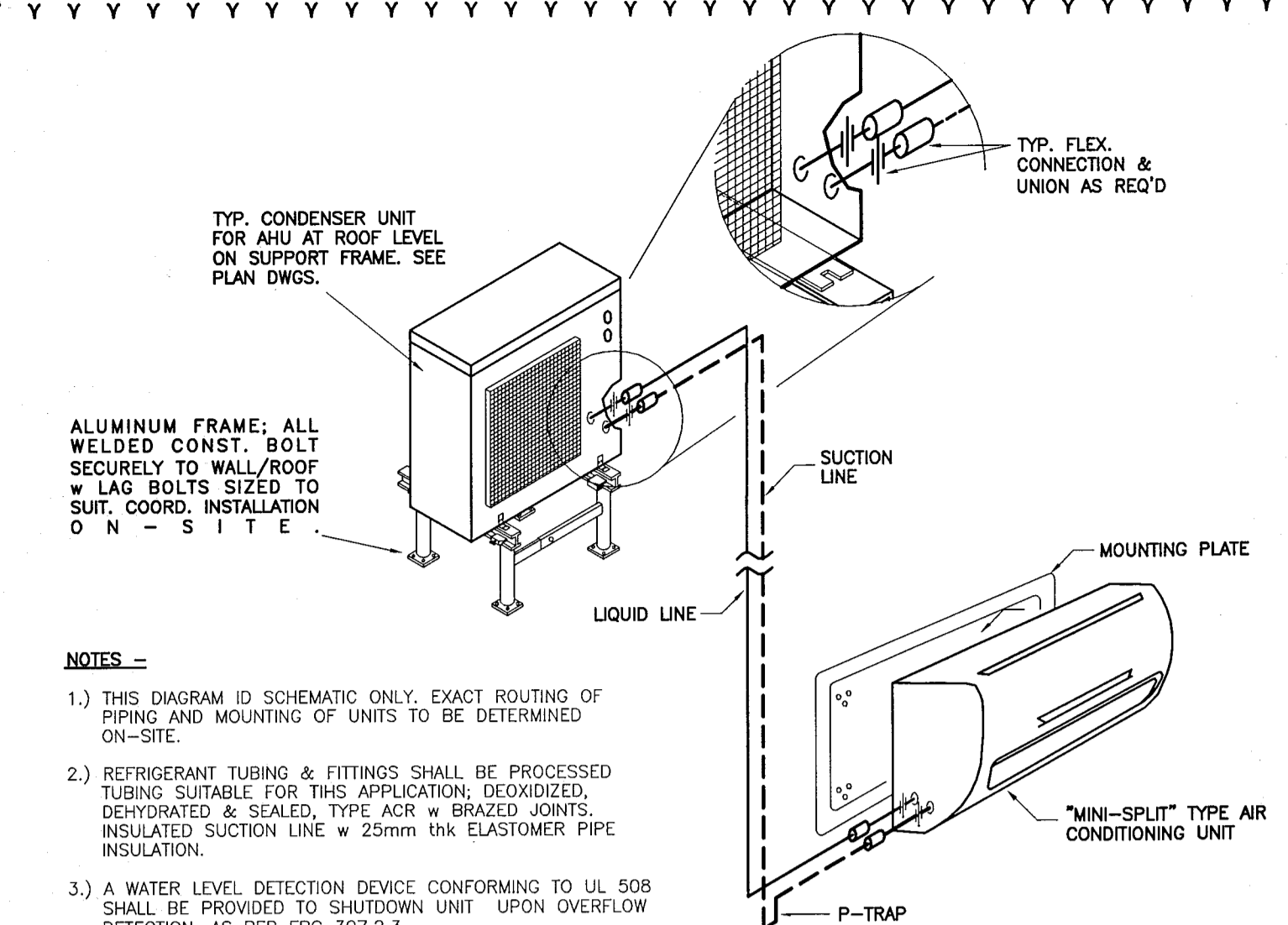
**PIPING LEGEND:**

- R REFRIGERANT LINE
- ARROW INDICATES DIRECTION OF FLOW
- D ELBOW TURNED UP
- ELBOW TURNED DOWN

NOTE: ALL SYMBOLS MAY NOT NECESSARILY APPLY TO THESE PLANS

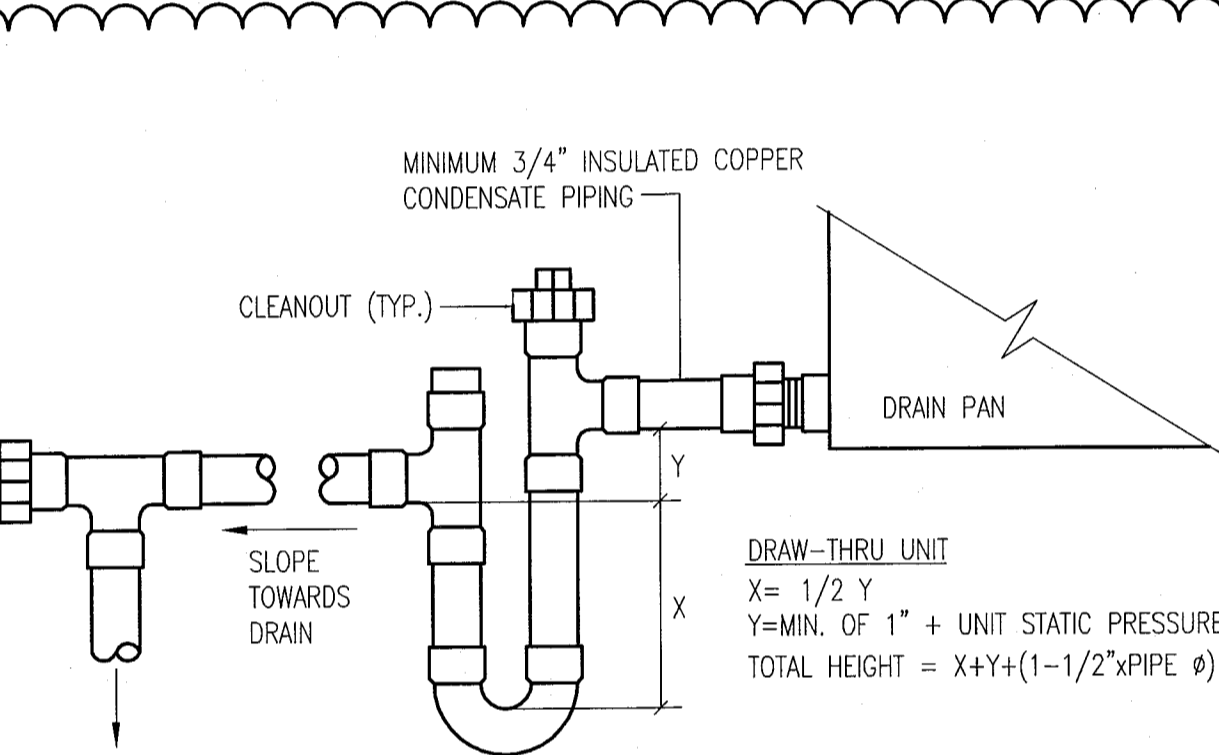


**CONDENSING UNIT SUPPORT DETAIL**  
 N.T.S.



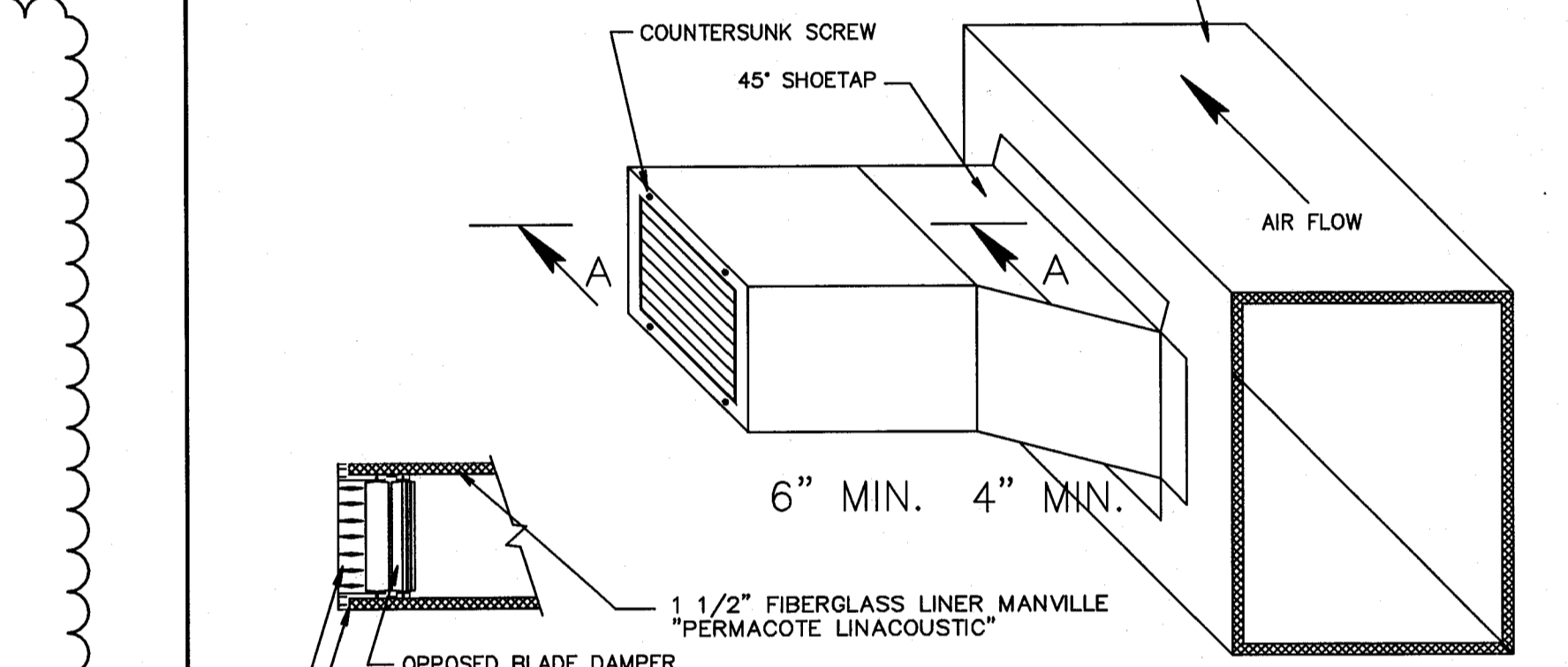
**MINI-SPLIT HANGING/SUPPORT DETAIL**  
 N.T.S.

**NOTES -**  
 1) THIS DIAGRAM IS SCHEMATIC ONLY. EXACT ROUTING OF PIPING AND MOUNTING OF UNITS TO BE DETERMINED ON-SITE.  
 2) REFRIGERANT TUBING & FITTINGS SHALL BE PROCESSED TUBING SUITABLE FOR THIS APPLICATION. DEOXYGENATED, DEHYDRATED & SEALED. TYPE ACR W/ BRAZED JOINTS. INSULATED SUCTION LINE W/ 25MM THK ELASTOMER PIPE INSULATION.  
 3) A WATER LEVEL DETECTION DEVICE CONFORMING TO UL 508 SHALL BE PROVIDED TO SHUTDOWN UNIT UPON OVERFLOW DETECTION. AS PER FBC 307.2.3



MINIMUM 3/4" INSULATED COPPER CONDENSATE PIPING  
 CLEANOUT (TYP.)  
 DRAIN PAN  
 DRAW-THRU UNIT  
 X = 1/2 Y  
 Y = MIN. OF 1" + UNIT STATIC PRESSURE  
 TOTAL HEIGHT = X + Y + (1-1/2" X PIPE Ø)

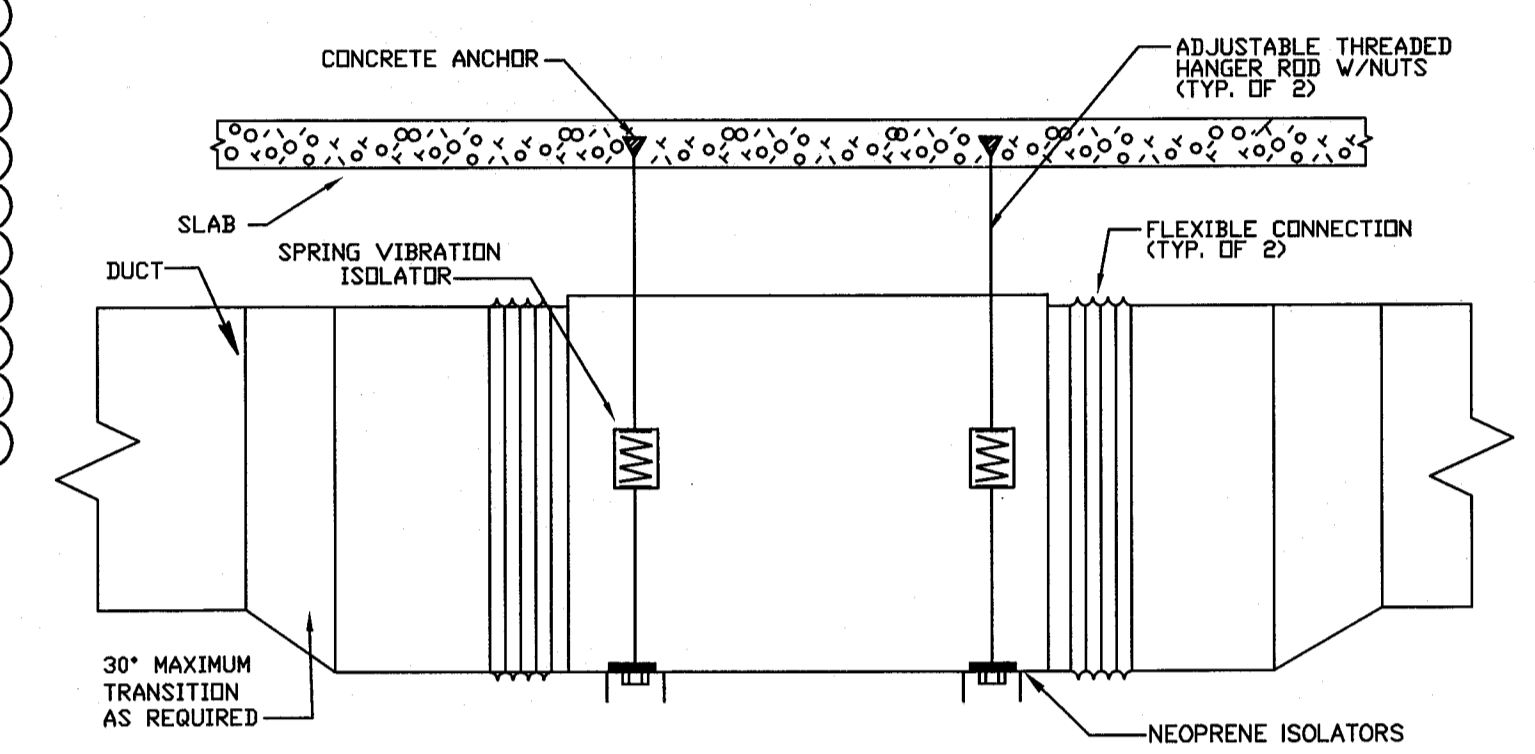
**CONDENSATE DRAIN TRAP DETAIL**  
 N.T.S.



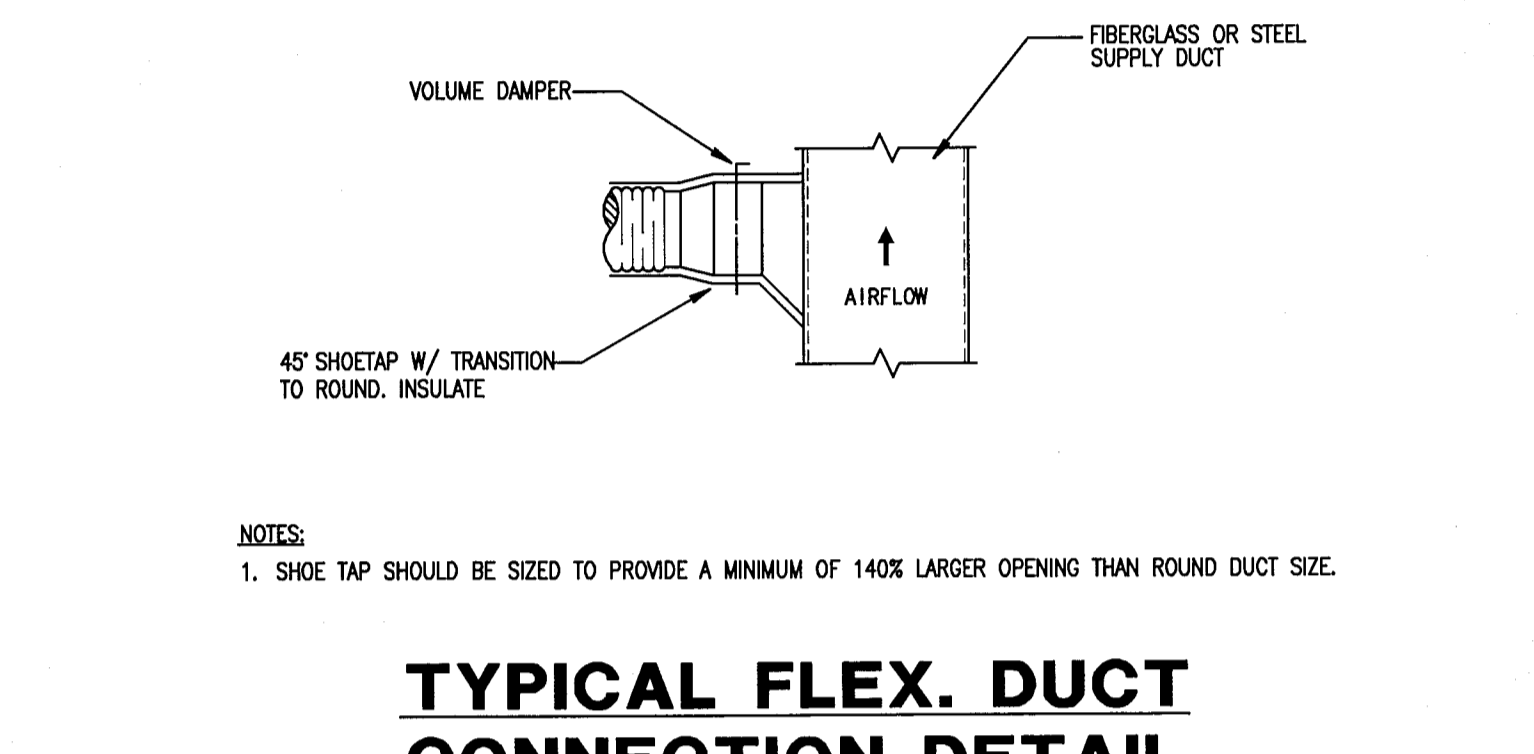
COUNTERSUNK SCREW  
 45° SHOETAP  
 SHEETMETAL DUCT  
 AIR FLOW  
 6" MIN. 4" MIN.  
 1.1/2" FIBERGLASS LINER MANVILLE "PERMACOTE LINACOUSTIC"  
 OPPOSED BLADE DAMPER MODEL AC-35-AA  
 DUCT LIP FOR REGISTER MOUNTING  
 SUPPLY AIR REGISTER SEE PLANS FOR SIZE AND TYPE

**SECTION A-A**  
 N.T.S.

**SIDE REGISTER DETAIL**  
 N.T.S.



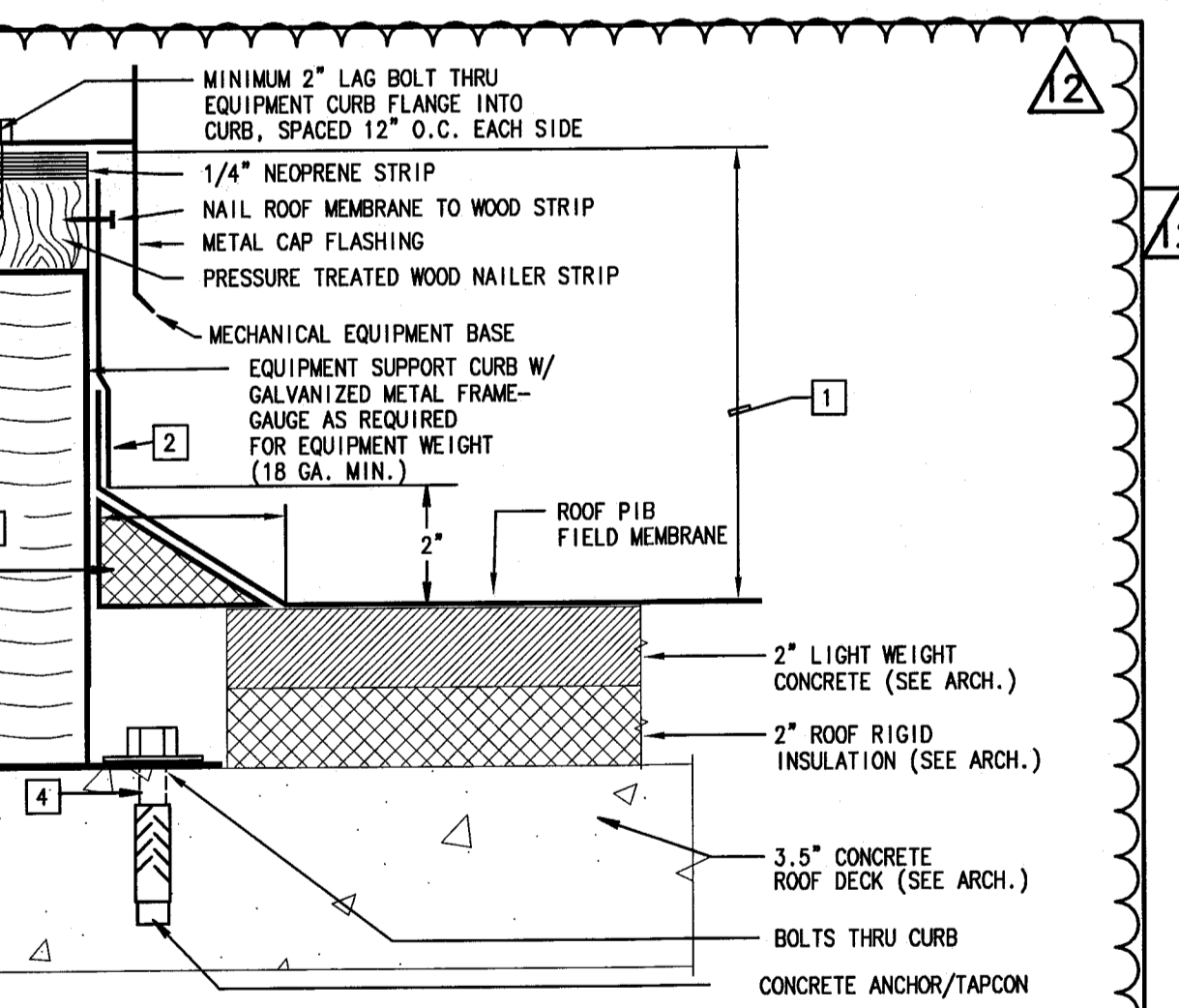
**TYPICAL FLEX. DUCT CONNECTION DETAIL**  
 N.T.S.



**CEILING MOUNTED FAN DETAIL**  
 N.T.S.

**NOTES:**  
 1. SHOE TAP SHOULD BE SIZED TO PROVIDE A MINIMUM OF 140% LARGER OPENING THAN ROUND DUCT SIZE.

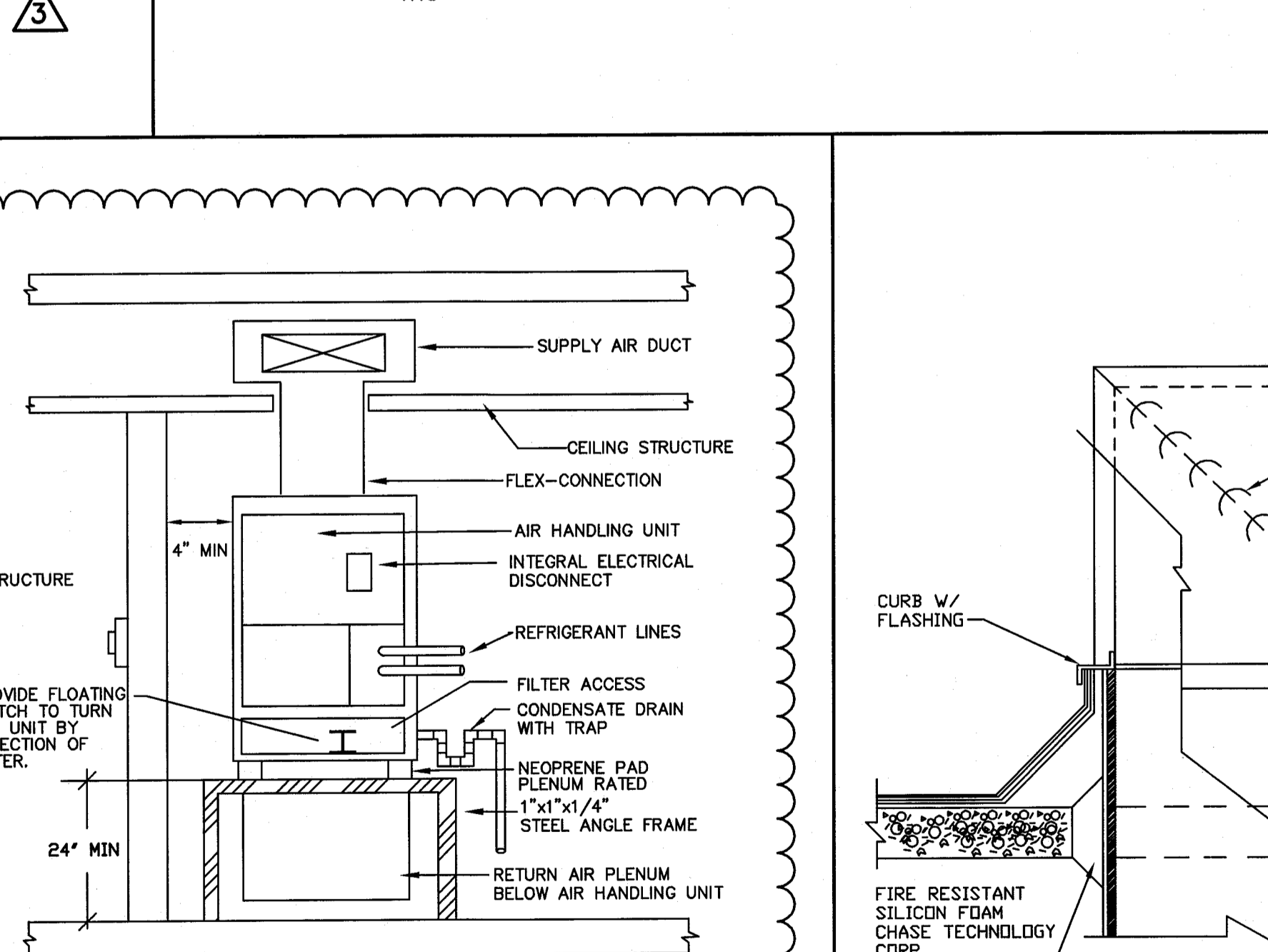
**NOTES:**  
 1- PROVIDE BACKDRAFT DAMPER W/ BIRDSCREEN  
 2- FLASH & SEAL WALL AND ROOF CAP  
 3- PROVIDE INTERNAL ISOLATION AND SOUND INSULATION  
 4- SUPPORT FAN FROM STRUCTURE



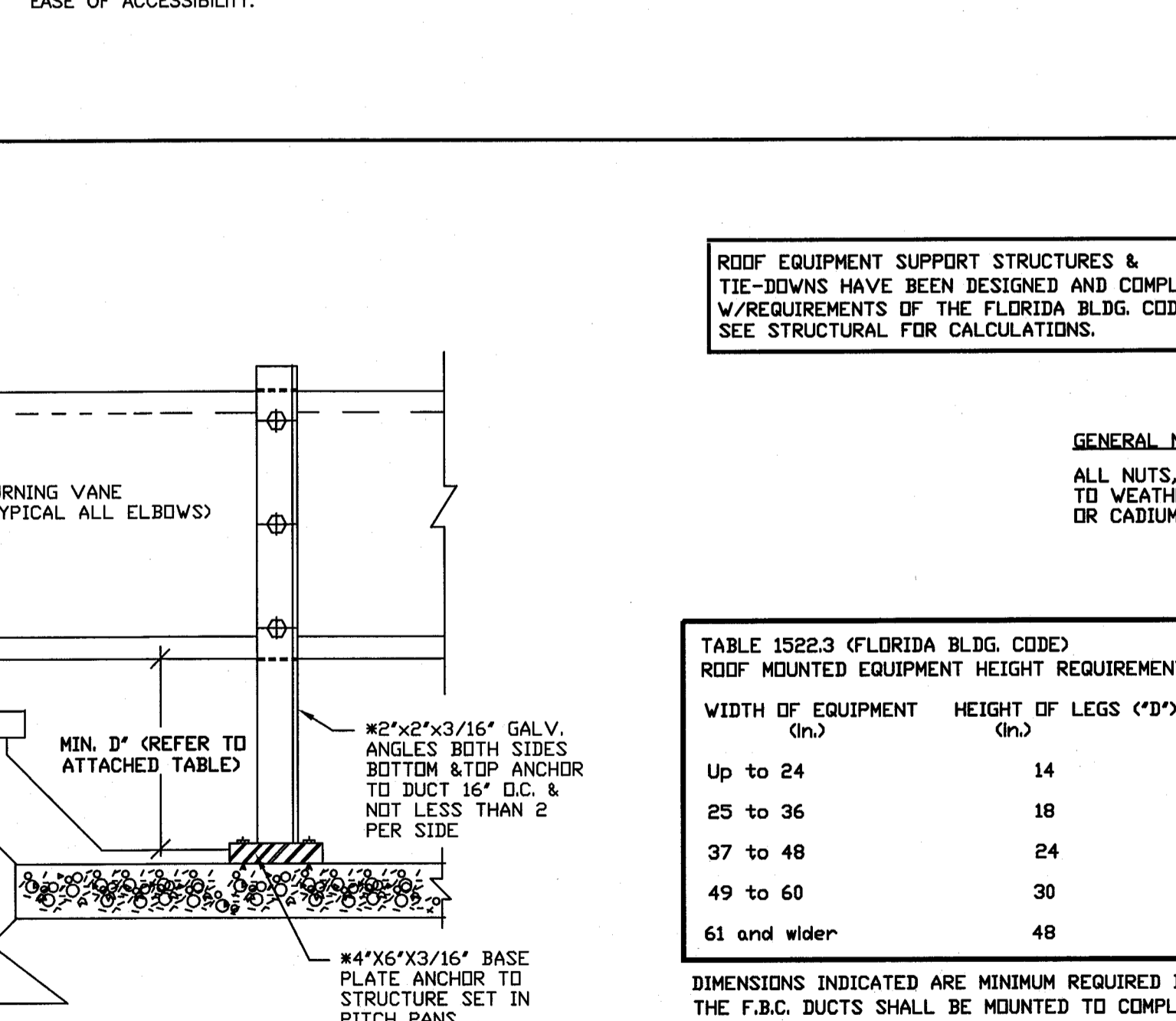
MINIMUM 2" LAG BOLT THRU EQUIPMENT CURB FLANGE INTO CURB, SPACED 12" O.C. EACH SIDE  
 1/4" NEOPRENE STRIP  
 WALL ROOF MEMBRANE TO WOOD STRIP  
 METAL CAP FLASHING  
 PRESSURE TREATED WOOD NAILER STRIP  
 MECHANICAL EQUIPMENT BASE  
 EQUIPMENT SUPPORT CURB W/ GALVANIZED METAL FRAME - GAUGE AS REQUIRED FOR EQUIPMENT WEIGHT (18 GA. MIN.)  
 ROOF P/B FIELD MEMBRANE  
 2" LIGHT WEIGHT CONCRETE (SEE ARCH.)  
 2" ROOF RIGID INSULATION (SEE ARCH.)  
 3.5" CONCRETE ROOF DECK (SEE ARCH.)  
 BOLTS THRU CURB CONCRETE ANCHOR/TAPCON

1) ROOF CURB SHALL BE MIN. 12" ABOVE FINISHED ROOF IF NOT OTHERWISE SPECIFIED ON PLANS.  
 2) REINFORCED P/B FLASHING APPLIED WITH CONTACT ADHESIVE-START 4" ABOVE ROOF DECK.  
 3) 1-1/2" DENSITY ACUSTICAL INSULATION WITH NEOPRENE COATING ON ALL EXPOSED SURFACES.  
 4) FOR FAN ROOF CURB, PROVIDE 1 1/4"x1/4" TAPCON SECURED THRU CURB FLANGE TO ROOF DECK. TYP. EACH SIDE. FOR LARGER CURBS PROVIDE ANCHORING AT 18" O.C. OR AS RECOMMENDED BY REGISTERED PROFESSIONAL STRUCTURAL ENGINEER FOR A/C UNIT ROOF CURB. PROVIDE 3/8"x3/4" RED HEAD WEDGE TYPE ANCHOR WITH MIN. EMBEDMENT AS RECOMMENDED BY MANUFACTURER. FOR LARGER CURBS PROVIDE ANCHORING AT 18" O.C. OR AS RECOMMENDED BY STRUCTURAL ENGINEER.

**EQUIPMENT SUPPORT CURB DETAIL**  
 N.T.S.



**TYPICAL VERTICAL AIR UNIT DETAIL**  
 N.T.S.



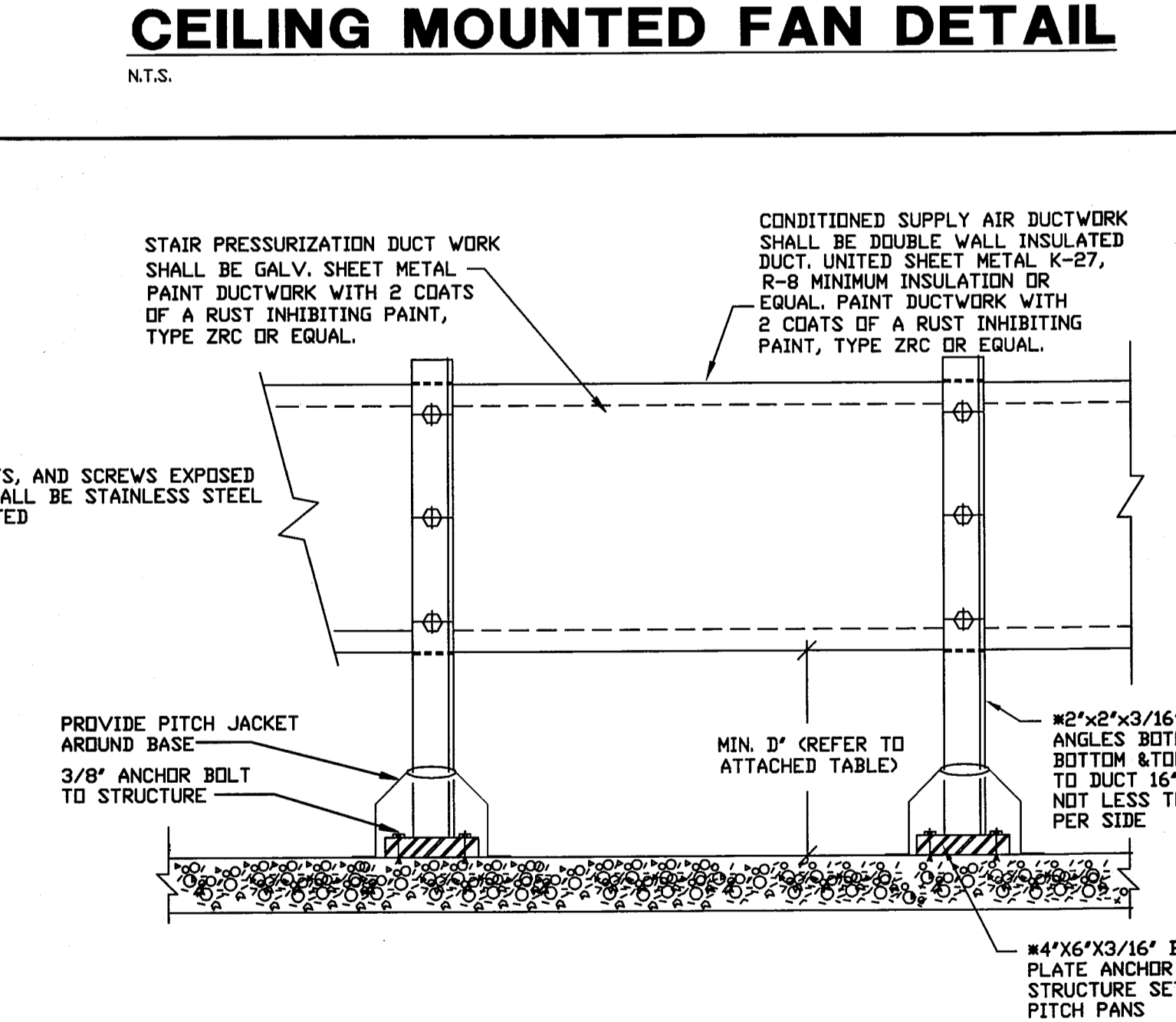
**ROOF MOUNTED DUCT SUPPORT & PENETRATION DETAILS**  
 N.T.S.

**GENERAL NOTE**  
 ALL NUTS, BOLTS, AND SCREWS EXPOSED TO WEATHER SHALL BE STAINLESS STEEL OR CADMIUM PLATED.

TABLE 1522.3 (FLORIDA BLDG. CODE) ROOF MOUNTED EQUIPMENT HEIGHT REQUIREMENTS

WIDTH OF EQUIPMENT (ft)	HEIGHT OF LEGS (ft)
Up to 24	14
25 to 36	18
37 to 48	24
49 to 60	30
61 and wider	48

DIMENSIONS INDICATED ARE MINIMUM REQUIRED BY THE F.B.C. DUCTS SHALL BE MOUNTED TO COMPLY WITH CODE MINIMUM REQUIREMENT UNLESS OTHERWISE NOTED ON FLOOR PLAN.



**ROOF EQUIPMENT SUPPORT STRUCTURES & TIE-DOWNS**  
 N.T.S.

ROOF EQUIPMENT SUPPORT STRUCTURES & TIE-DOWNS HAVE BEEN DESIGNED AND COMPLY W/ REQUIREMENTS OF THE FLORIDA BLDG. CODE SEE STRUCTURAL FOR CALCULATIONS.

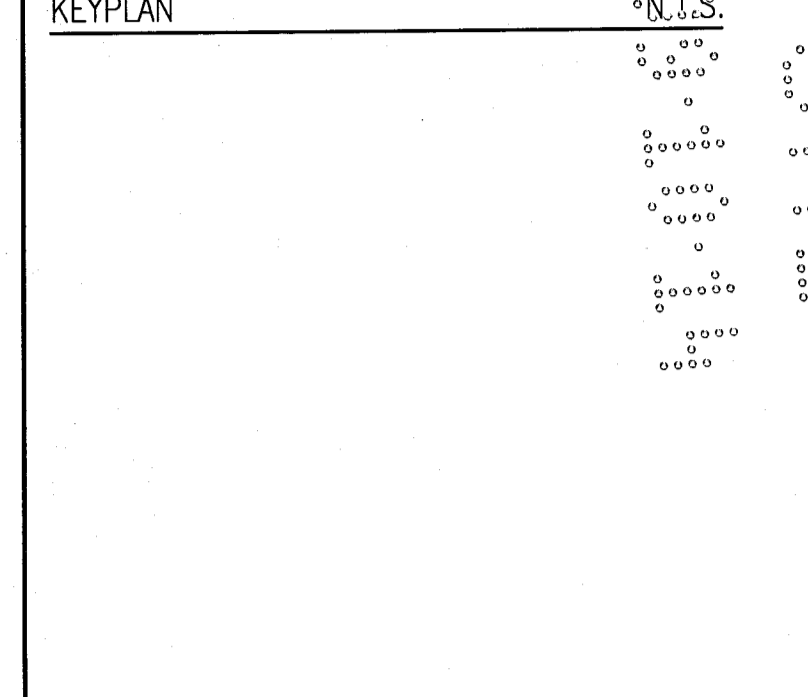
STAIR PRESSURIZATION DUCT WORK SHALL BE GALV. SHEET METAL PAINT DUCTWORK WITH 2 COATS OF A RUST INHIBITING PAINT, TYPE ZNC OR EQUAL.

CONDITIONED SUPPLY AIR DUCTWORK SHALL BE DOUBLE WALL INSULATED DUCT UNITS SHEET METAL K-27, R-8 MINIMUM INSULATION OR EQUAL. PAINT DUCTWORK WITH 2 COATS OF A RUST INHIBITING PAINT, TYPE ZNC OR EQUAL.

PROVIDE PITCH JACKET 3/8" ANCHOR BOLT TO STRUCTURE  
 MIN. 1" (REFER TO ATTACHED TABLE)  
 #2"x3/16" GALV. ANGLES BOTH SIDES BOTTOM & TOP ANCHOR TO DUCT 16" O.C. & NOT LESS THAN 2 PER SIDE  
 #4"x3/16" GALV. ANGLES BOTH SIDES BOTTOM & TOP ANCHOR TO STRUCTURE SET IN PITCH PANS

**HADDON HALL**  
 1500 COLLINS AVE  
 MIAMI BEACH, FL

**KEYPLAN**



**REVISIONS**

NO.	DESCRIPTION	DATE
1	PROGRESS 100% CD SET	02-18-14
2	PERMIT REVIEW COMMENTS	03-14-14
3	COORDINATION REVISION	03-14-14
12	FIRE & MTCI COMMENTS	08-21-14

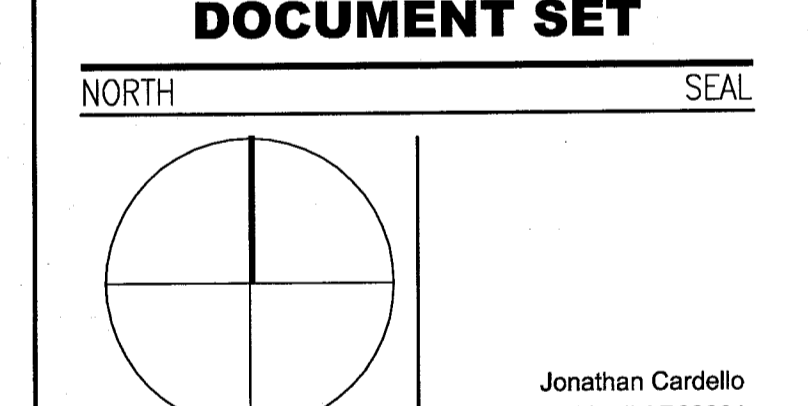
**REVISIONS**

NO.	DESCRIPTION	DATE
1	PROGRESS 100% CD SET	02-18-14
2	PERMIT REVIEW COMMENTS	03-14-14
3	COORDINATION REVISION	03-14-14
12	FIRE & MTCI COMMENTS	08-21-14

**MTCI PRIVATE PROVIDER SERVICES, LLC**  
 STRUCTURAL ENGINEERING, ARCHITECTURE & CONSTRUCTION

BUILDING	REVIEWER INITIALS	DATE REVIEWED
STRUCTURAL		
MECHANICAL		
ELECTRICAL		
PLUMBING		
SITE CIVIL		

**100% CONSTRUCTION DOCUMENT SET**



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JOB NUMBER: 13036.00  
 CHECKED BY:  
 ISSUE DATE: MARCH 14, 2014  
 SCALE: AS NOTED

SHEET TITLE

**MECHANICAL DETAILS**

SHEET NUMBER

**M6.01**

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**MECHANICAL DETAILS**  
 SCALE: NTS

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SEP 04 2014  
 LICENSED PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 MECHANICAL ENGINEERING  
 APPROVED  
 FIRE DEPARTMENT

PLUMBING DRAWING INDEX	
DWG. No.	DRAWING DESCRIPTION
FLOOR PLANS - (SCALE: 3/32"=1'-0")	
P0.00	BASEMENT DEMOLITION PLUMBING FLOOR PLAN.
P0.01	GROUND FLOOR DEMOLITION PLUMBING PLAN.
P0.02	SECOND FLOOR DEMOLITION PLUMBING PLAN.
P0.03	THIRD FLOOR DEMOLITION PLUMBING PLAN.
P1.01	BASEMENT PLUMBING FLOOR PLAN.
P1.02	GROUND FLOOR PLUMBING PLAN (PIPING BELOW SLAB).
P1.02a	GROUND FLOOR PLUMBING PLAN (PIPING AT CEILING).
P1.03	SECOND FLOOR PLUMBING PLAN.
P1.04	THIRD FLOOR PLUMBING PLAN.
P1.05	PLUMBING ROOF PLAN.
ENLARGED UNIT PLANS - (SCALE: 1/4"=1'-0")	
P2.01	ENLARGED TYPICAL UNITS.
P2.02	ENLARGED TYPICAL UNITS.
P2.03	ENLARGED TYPICAL UNITS.
P2.04	ENLARGED TYPICAL UNITS.
P2.05	ENLARGED TYPICAL UNITS.
P2.06	ENLARGED 2ND FLOOR UNITS.
P2.07	ENLARGED 2ND FLOOR UNITS.
P2.08	ENLARGED 2ND & 3RD FLOOR UNITS.
P2.09	ENLARGED 2ND & 3RD FLOOR UNITS.
P2.10	ENLARGED BASEMENT PLUMBING PLAN.
P2.11	ENLARGED FOOD SERVICE FLOOR PLAN.
ISOMETRICS & RISERS - (SCALE: N.T.S.)	
P3.01	ISOMETRICS.
P3.02	ISOMETRICS.
P3.03	ISOMETRICS.
P3.04	ISOMETRICS.
DETAILS, NOTES & SCHEDULES - (SCALE: N.T.S.)	
P4.01	PLUMBING NOTES & SCHEDULES.
P4.02	PLUMBING DETAILS.

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MIAMI BEACH, FL

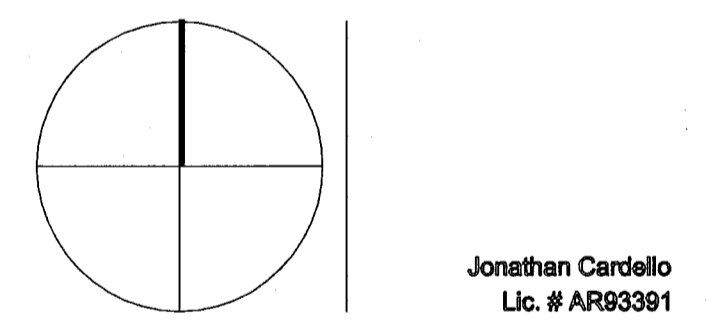
KEYPLAN N.T.S.

REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS TO 100% CD SET	02/07/2014
2	COORDINATION REVISION	03/25/14

PRIVATE PROVIDER SERVICES, LLC Structural, Mechanical, Electrical, Plumbing & Consulting		
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MECHANICAL		
ELECTRICAL		
PLUMBING		
SITE CIVIL		

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JOB NUMBER: 13036.00  
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SCALE: AS NOTED

SHEET TITLE

BASEMENT DEMOLITION PLAN

SHEET NUMBER

P0.00

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- KEY NOTES:**
- EXISTING SANITARY MANHOLE.
  - EXISTING WATER SERVICE AND METER TO REMAIN.
  - EXISTING GAS SERVICE TO REMAIN.
  - EXISTING GAS METER BANK TO REMAIN.
  - EXISTING GAS WATER HEATER TO BE RELOCATED.
  - EXISTING GAS WATER HEATERS FOR HADDON HALL TO BE RELOCATED.
  - EXISTING GAS PIPE TO WATER HEATER TO REMAIN. REMOVE AND CAP BACK TO MAIN UNUSED PORTION OF EXISTING GAS PIPE NO LONGER NEEDED.
  - EXISTING COLD WATER PIPE TO WATER HEATER TO REMAIN. REMOVE AND CAP BACK TO MAIN UNUSED PORTION OF EXISTING WATER PIPE NO LONGER NEEDED.
  - EXISTING SANITARY LIFT STATION TO BE REMOVED AND SLAB PATCH TO MATCH EXISTING.

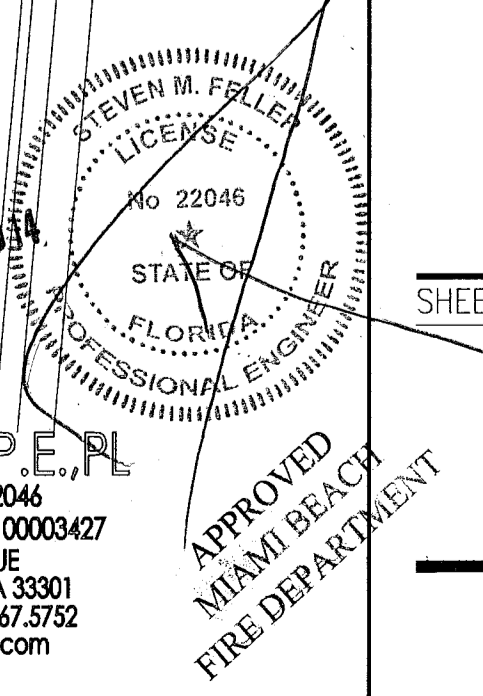
POOL SUITES BUILDING TO BE COMPLETELY DEMOLISHED AND REMOVE ALL EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING BELOW FLOOR SLAB.

REMOVE EXISTING PLUMBING FIXTURES. CAP EXISTING SANITARY PIPES BELOW FLOOR SLAB. CAP EXISTING VENT & WATER PIPING ABOVE DROPPED CEILING & IN WALL.

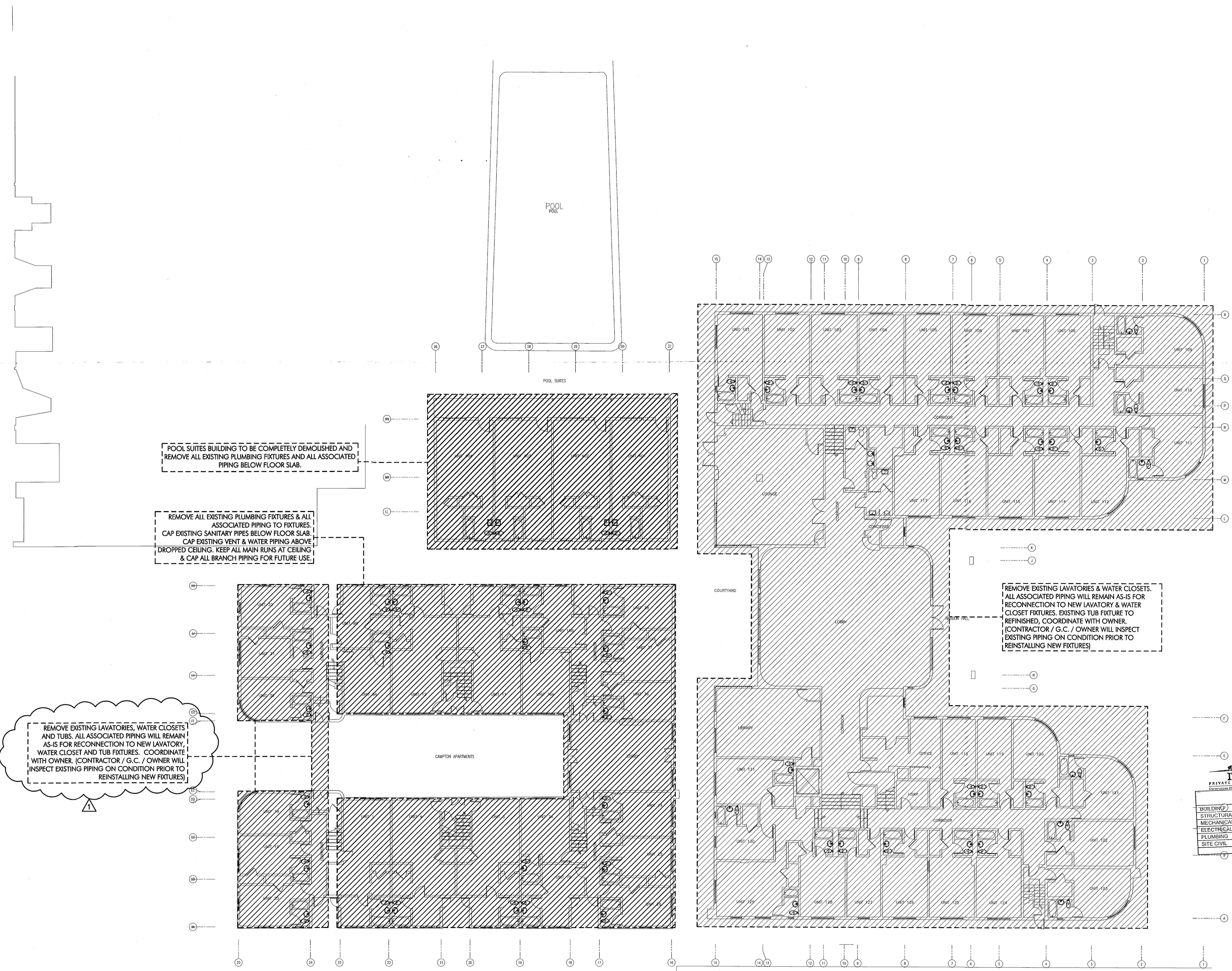
REMOVE EXISTING PLUMBING FIXTURES. CAP EXISTING SANITARY PIPES BELOW FLOOR SLAB. REMOVE EXISTING VENT & WATER PIPING ABOVE DROPPED. CAP PIPING OUTSIDE OF THIS ROOM, NO PIPING SHALL BE LEFT IN THE CEILING.

BASEMENT DEMOLITION PLUMBING FLOOR PLAN  
SCALE: 3/32"=1'-0"

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MIAMI BEACH  
FIRE DEPARTMENT



POOL SUITES BUILDING TO BE COMPLETELY DEMOLISHED AND REMOVE ALL EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING BELOW FLOOR SLAB.

REMOVE ALL EXISTING PLUMBING FIXTURES & ALL ASSOCIATED PIPING TO FIXTURES. CAP EXISTING SANITARY PIPES BELOW FLOOR SLAB. CAP EXISTING VENT & WATER PIPING ABOVE DROPPED CEILING. KEEP ALL MAIN RUNS AT CEILING & CAP ALL BRANCH PIPING FOR FUTURE USE.

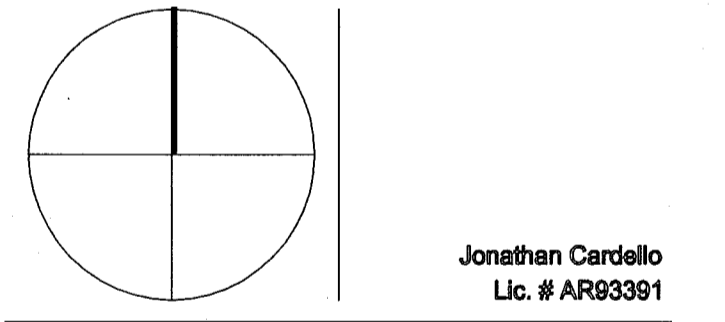
REMOVE EXISTING LAVATORIES, WATER CLOSETS AND TUBS. ALL ASSOCIATED PIPING WILL REMAIN AS-IS FOR RECONNECTION TO NEW LAVATORY, WATER CLOSET AND TUB FIXTURES. COORDINATE WITH OWNER. (CONTRACTOR / G.C. / OWNER WILL INSPECT EXISTING PIPING ON CONDITION PRIOR TO REINSTALLING NEW FIXTURES)

REMOVE EXISTING LAVATORIES & WATER CLOSETS. ALL ASSOCIATED PIPING WILL REMAIN AS-IS FOR RECONNECTION TO NEW LAVATORY & WATER CLOSET FIXTURES. EXISTING TUB FIXTURE TO BE REFINISHED. COORDINATE WITH OWNER. (CONTRACTOR / G.C. / OWNER WILL INSPECT EXISTING PIPING ON CONDITION PRIOR TO REINSTALLING NEW FIXTURES)

REVISIONS

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1	PROGRESS TO 100% CD SET	02/07/2014

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JOB NUMBER: 13036.00  
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SCALE: AS NOTED

SHEET TITLE

GROUND FLOOR DEMOLITION PLAN

SHEET NUMBER

P0.01

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GROUND FLOOR DEMOLITION PLUMBING PLAN  
SCALE: 3/32"=1'-0"

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MAY 09 2014

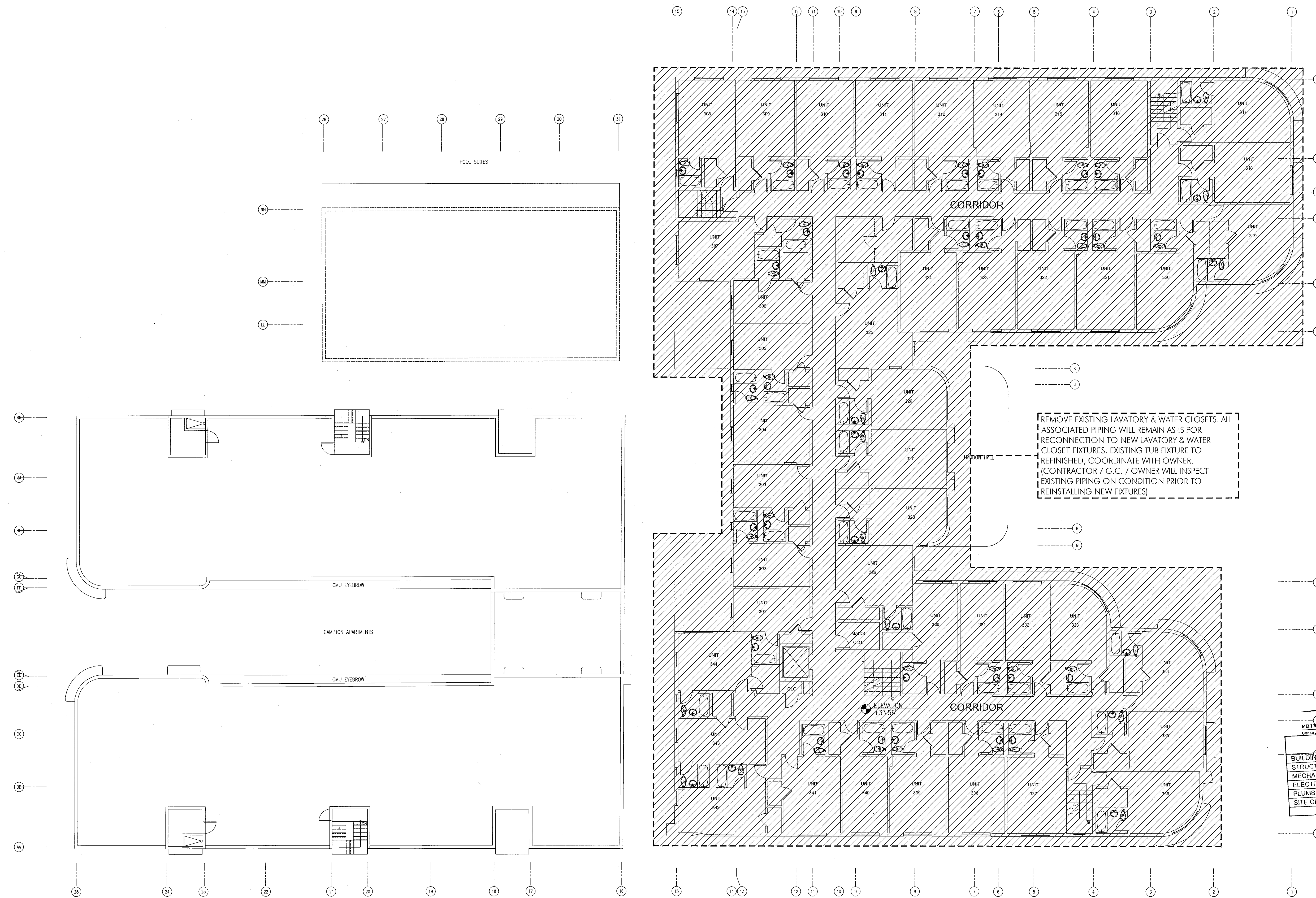
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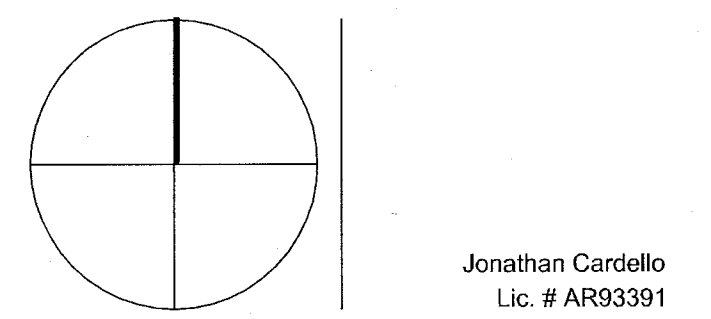
NO.	DESCRIPTION	ISSUE DATE



REMOVE EXISTING LAVATORY & WATER CLOSETS. ALL ASSOCIATED PIPING WILL REMAIN AS-IS FOR RECONNECTION TO NEW LAVATORY & WATER CLOSET FIXTURES. EXISTING TUB FIXTURE TO BE REFINISHED. COORDINATE WITH OWNER. (CONTRACTOR / G.C. / OWNER WILL INSPECT EXISTING PIPING ON CONDITION PRIOR TO REINSTALLING NEW FIXTURES)

PERMIT SET

NORTH SEAL



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CHECKED BY: SF  
ISSUE DATE: JANUARY 24, 2014  
SCALE: AS NOTED

SHEET TITLE

THIRD FLOOR  
DEMOLITION PLAN

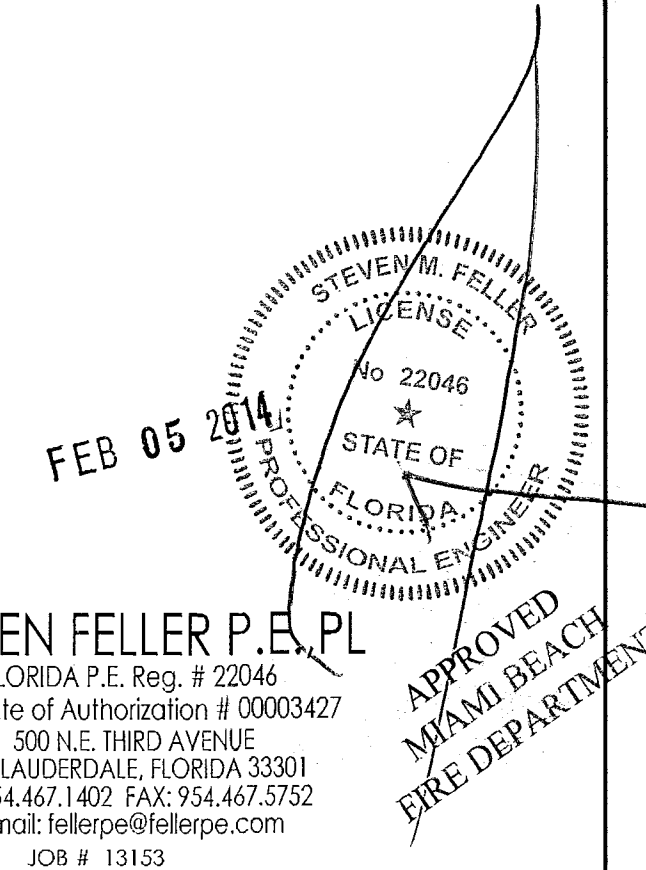
SHEET NUMBER

P0.03

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THIRD FLOOR DEMOLITION PLUMBING PLAN  
SCALE: 3/32"=1'-0"

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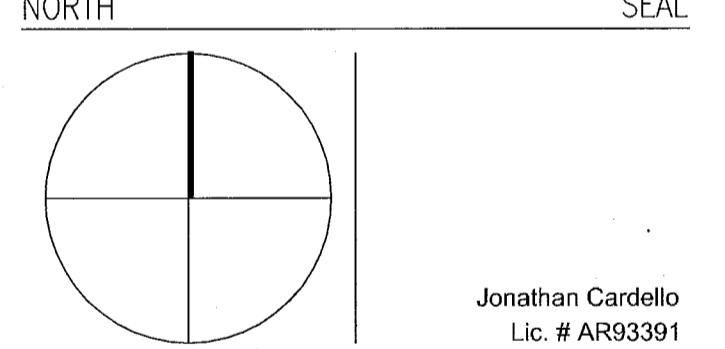


- KEY NOTES:**
- 1 EXISTING TUB TO BE REFURNISHED, WITH NEW DRAIN, SHOWER VALVES AND HEAD. TYPICAL UNLESS OTHERWISE NOTED.
  - 2 EXISTING LAVATORY TO BE REMOVED AND REPLACED WITH NEW LAVATORY, WITH NEW FAUCET, SUPPLY PIPES, P-TRAP AND ANGLE STOPS. TYPICAL UNLESS OTHERWISE NOTED.
  - 3 EXISTING WATER CLOSET TO BE REMOVED AND REPLACED WITH NEW, WITH NEW SUPPLY PIPE, ANGLE STOP AND WAX RING. TYPICAL UNLESS OTHERWISE NOTED.
  - 4 NEW BAR AND BATHROOMS, PROVIDE NEW FIXTURES WITH NEW SANITARY, VENT, HOT AND COLD WATER PIPING SYSTEMS.
  - 5 NEW UNITS BATHROOM, PROVIDE NEW FIXTURES WITH NEW SANITARY, VENT, HOT AND COLD WATER PIPING SYSTEMS. (CONNECT TO EXISTING SYSTEMS)
  - 6 NEW TANKLESS GAS WATER HEATER.

**REVISIONS**

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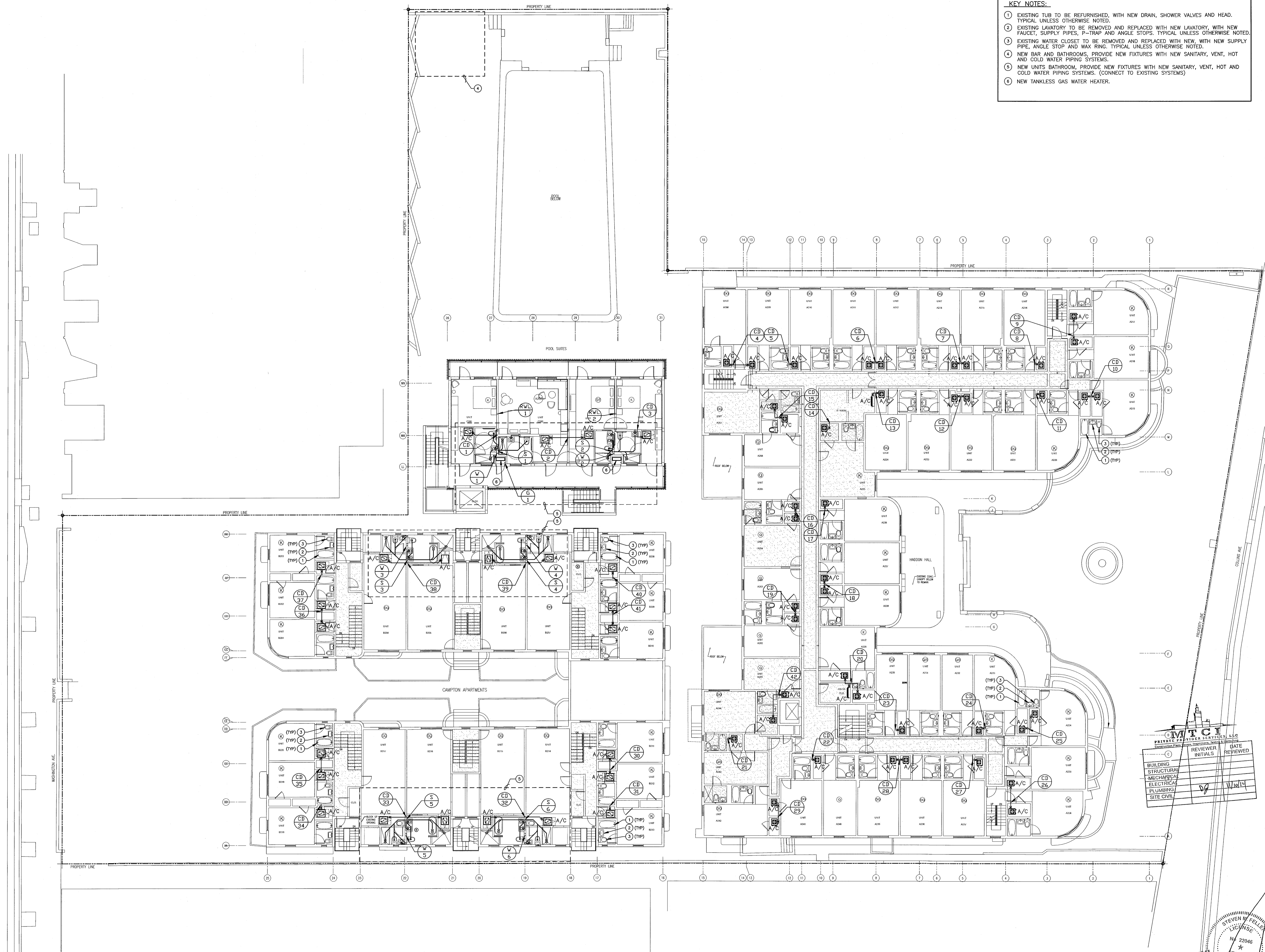
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 ISSUE DATE: JANUARY 24, 2014  
 SCALE: AS NOTED

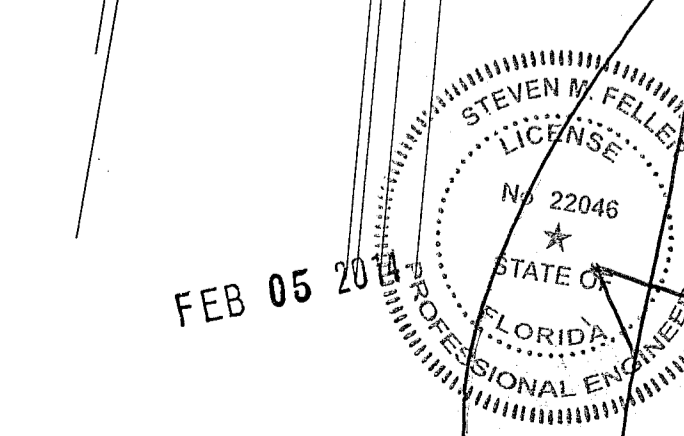
SHEET TITLE

**SECOND FLOOR PLUMBING PLAN**

SHEET NUMBER

**P1.03**



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**SECOND FLOOR PLUMBING PLAN**  
 SCALE: 3/32"=1'-0"





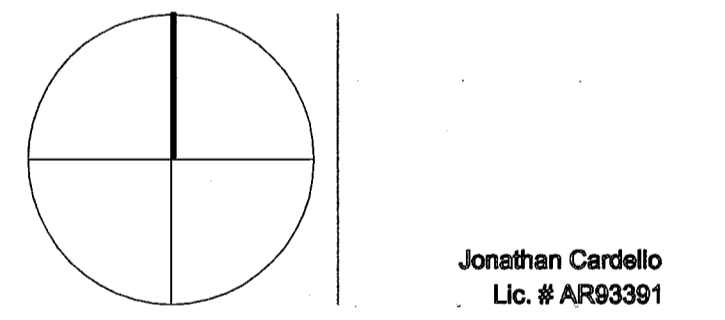
- KEY NOTES:**
- ① NEW GAS PIPE WITH SHUT OFF VALVE AND REGULATOR CONNECT TO EXISTING GAS SYSTEM
  - ② NEW 2" COLD WATER PIPE CONNECT TO EXISTING COLD WATER SYSTEM.
  - ③ NEW 1/2" HOT AND COLD WATER PIPES CONNECT TO EXISTING HOT AND COLD WATER SYSTEM AT FLOOR ABOVE.
  - ④ (2) DISCHARGE PIPES ON WALL, CONNECT INTO ONE AND TIE TO EXISTING SANITARY SYSTEM AT CEILING.
  - ⑤ NEW SANITARY LIFT STATION.
  - ⑥ 1" DISCHARGE PIPE UP TO SANITARY SYSTEM AT CEILING.
  - ⑦ NEW LOCATION OF EXISTING HADDON HALL WATER HEATERS.
  - ⑧ NEW HOT WATER PIPE FROM HADDON HALL WATER HEATERS RECONNECT TO EXISTING HOT WATER SYSTEM.
  - ⑨ NEW LOCATION OF EXISTING GAS WATER HEATER.
  - ⑩ NEW GAS WATER HEATER FOR NEW KITCHEN AT FLOOR ABOVE.
  - ⑪ NEW HOT WATER PIPE FROM EXISTING WATER HEATER RECONNECT TO EXISTING HOT WATER SYSTEM.
  - ⑫ NEW HOT AND COLD WATER PIPES UP TO NEW KITCHEN ABOVE.
  - ⑬ WATER HEATER FLUES UP AND TERMINATE OUTSIDE AT EXTERIOR WALL.
  - ⑭ SCHEIR GREASE TRAP # GB-20 WITH AIR TIGHT MANHOLE AND ADAPTER
  - ⑮ SANIFLOW, SANIBEST PRO WITH ELONGATED REAR DISCHARGE, ADA WATER CLOSET WITH PUMPING SYSTEM.

REVISIONS

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△	PROGRESS TO 100% CD SET	02/07/2014

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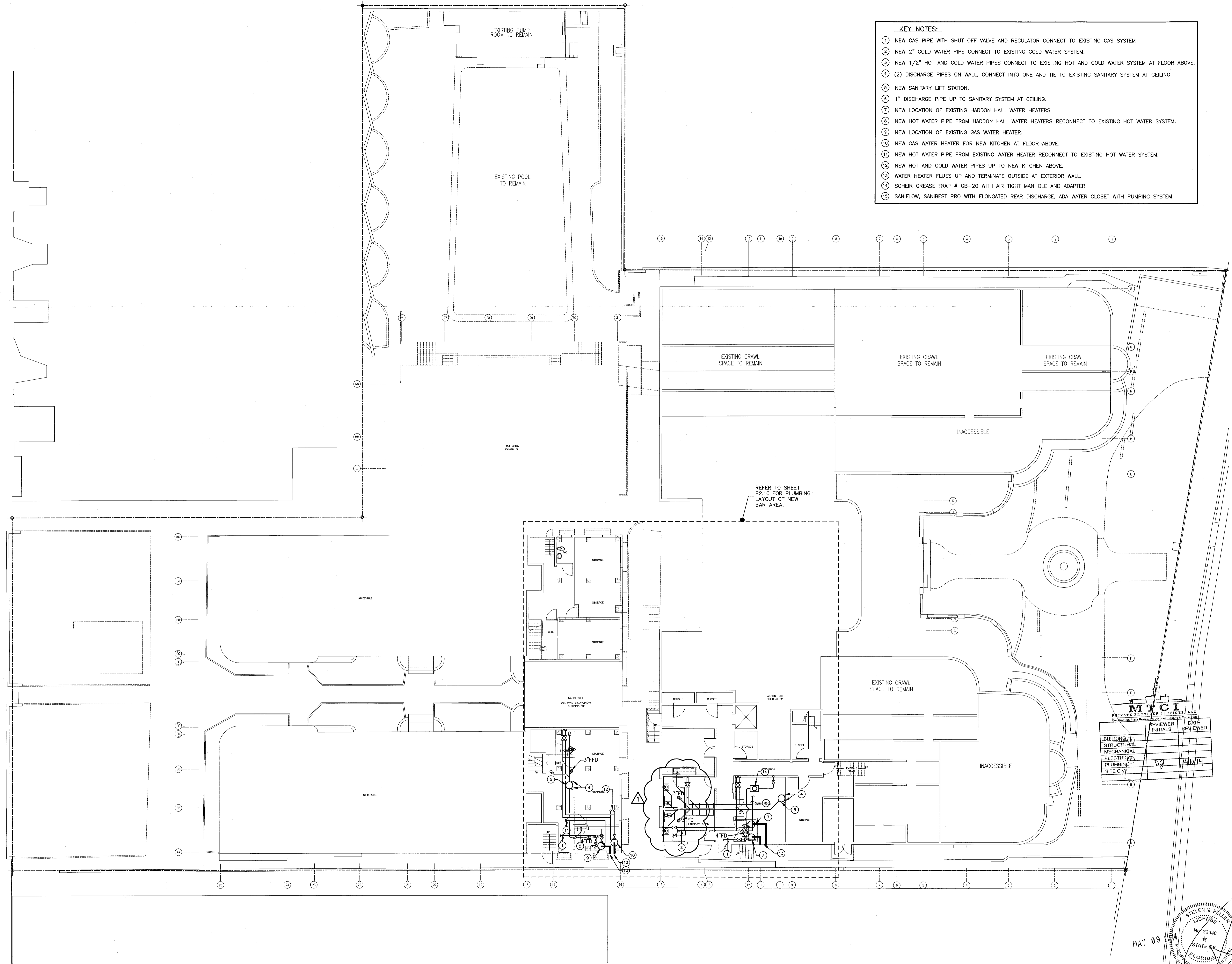
SHEET TITLE

BASEMENT PLUMBING PLAN

SHEET NUMBER

P1.01

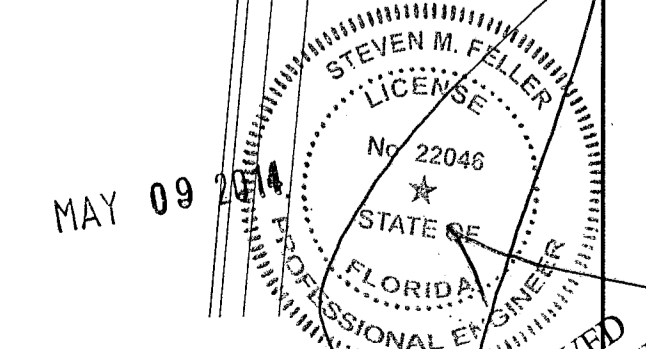
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REFER TO SHEET  
P2.10 FOR PLUMBING  
LAYOUT OF NEW  
BAR AREA.

MTCI  
PRIVATE PROVIDER SERVICES, LLC  
Professional Engineer, Mechanical, Electrical, Plumbing, Fire Protection

BUILDING	REVIEWER	DATE
STRUCTURAL	INITIALS	REVIEWED
MECHANICAL		
ELECTRICAL		
PLUMBING		
SITE CIVIL		



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FIRE DEPARTMENT

BASEMENT PLUMBING FLOOR PLAN  
SCALE: 3/32" = 1'-0"

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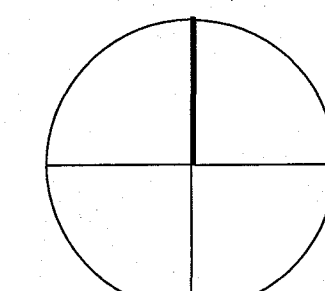
KEYPLAN N.T.S.

REVISIONS		
NO.	DESCRIPTION	ISSUE DATE
1	PROGRESS TO 100% CD SET	02/07/2014
2	DERM COMMENTS	04-23-14
3	KITCHEN RELOCATION	05-30-14
4	FIRE DEP'T. COMM.	09-29-14

MTCI PRIVATE PROVIDER SERVICES, LLC			
	REVIEWER	DATE	REVIEWED
BUILDING			
STRUCTURAL			
MECHANICAL			
ELECTRICAL			
PLUMBING	DG	11/12/14	
SITE CIVIL			

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Boston Miami

JOB NUMBER: 13036.00  
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 SCALE: AS NOTED

SHEET TITLE

**GROUND FLOOR PLUMBING PLAN  
 (PIPE BELOW SLAB)**

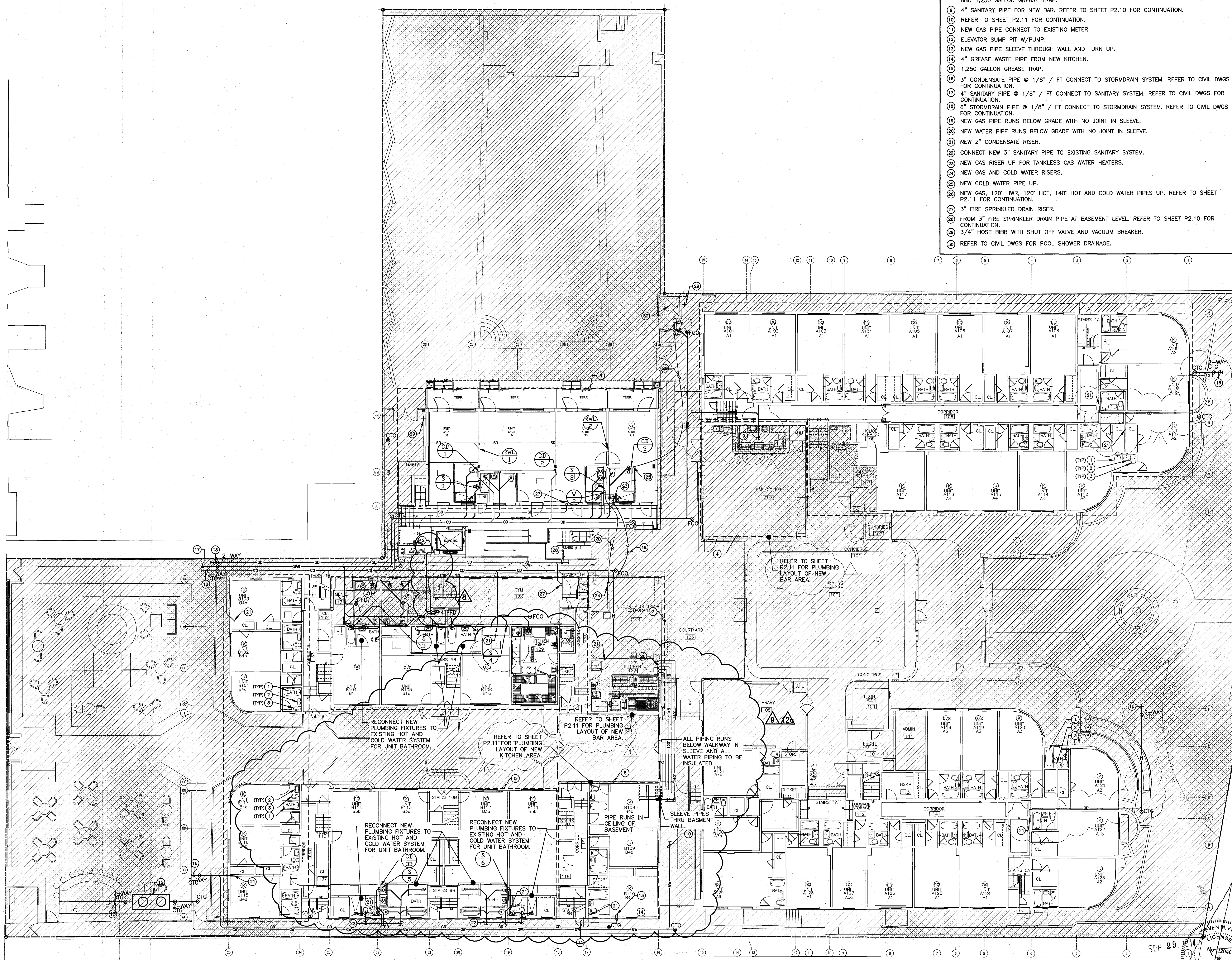
SEP 29 2014

STEVEN H. FELLER  
 LICENSE # 22046  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 FIRE DEPARTMENT

SHEET NUMBER  
**P1.02**

FLORIDA DEPARTMENT OF REVENUE

- KEY NOTES:**
- EXISTING TUB TO BE REFURNISHED, WITH NEW DRAIN, SHOWER VALVES AND HEAD. TYPICAL UNLESS OTHERWISE NOTED.
  - EXISTING LAVATORY TO BE REMOVED AND REPLACED WITH NEW LAVATORY, WITH NEW FAUCET, SUPPLY PIPES, P-TRAP AND ANGLE STOPS. TYPICAL UNLESS OTHERWISE NOTED.
  - EXISTING WATER CLOSET TO BE REMOVED AND REPLACED WITH NEW, WITH NEW SUPPLY PIPE, ANGLE STOP AND WAX RING. TYPICAL UNLESS OTHERWISE NOTED.
  - NEW BAR AREA, PROVIDE NEW FIXTURES WITH NEW SANITARY VENT, HOT AND COLD WATER PIPING SYSTEMS. (CONNECT TO EXISTING SYSTEMS)
  - NEW UNITS BATHROOM, PROVIDE NEW FIXTURES WITH NEW SANITARY VENT, HOT AND COLD WATER PIPING SYSTEMS. (CONNECT TO EXISTING SYSTEMS)
  - NEW UNITS BATHROOMS AND PROVIDE NEW FIXTURES WITH NEW SANITARY VENT, HOT AND COLD WATER PIPING SYSTEMS. (CONNECT TO EXISTING SYSTEMS)
  - NEW SEATING AREA AND JUICE BAR, PROVIDE DECK DRAINS AND HOSE BIB IN SEATING AREA AND SANITARY VENT, HOT AND COLD WATER PIPING SYSTEM IN JUICE BAR AREA.
  - NEW KITCHEN AREA, PROVIDE SANITARY, GREASE, HOT AND COLD WATER PIPING SYSTEM AND 1,250 GALLON GREASE TRAP.
  - 4" SANITARY PIPE FOR NEW BAR. REFER TO SHEET P2.10 FOR CONTINUATION.
  - REFER TO SHEET P2.11 FOR CONTINUATION.
  - NEW GAS PIPE CONNECT TO EXISTING METER.
  - ELEVATOR SUMP PIT W/PUMP.
  - NEW GAS PIPE SLEEVE THROUGH WALL AND TURN UP.
  - 4" GREASE WASTE PIPE FROM NEW KITCHEN.
  - 1,250 GALLON GREASE TRAP.
  - 3" CONDENSATE PIPE @ 1/8" / FT CONNECT TO STORMDRAIN SYSTEM. REFER TO CIVIL DWGS FOR CONTINUATION.
  - 4" SANITARY PIPE @ 1/8" / FT CONNECT TO SANITARY SYSTEM. REFER TO CIVIL DWGS FOR CONTINUATION.
  - 8" STORMDRAIN PIPE @ 1/8" / FT CONNECT TO STORMDRAIN SYSTEM. REFER TO CIVIL DWGS FOR CONTINUATION.
  - NEW GAS PIPE RUNS BELOW GRADE WITH NO JOINT IN SLEEVE.
  - NEW WATER PIPE RUNS BELOW GRADE WITH NO JOINT IN SLEEVE.
  - NEW 2" CONDENSATE RISER.
  - CONNECT NEW 3" SANITARY PIPE TO EXISTING SANITARY SYSTEM.
  - NEW GAS RISER UP FOR TANKLESS GAS WATER HEATERS.
  - NEW GAS AND COLD WATER RISERS.
  - NEW COLD WATER PIPE UP.
  - NEW GAS, 120" HWR, 120" HOT, 140" HOT AND COLD WATER PIPES UP. REFER TO SHEET P2.11 FOR CONTINUATION.
  - 3" FIRE SPRINKLER DRAIN RISER.
  - FROM 3" FIRE SPRINKLER DRAIN PIPE AT BASEMENT LEVEL. REFER TO SHEET P2.10 FOR CONTINUATION.
  - 3/4" HOSE BIBB WITH SHUT OFF VALVE AND VACUUM BREAKER.
  - REFER TO CIVIL DWGS FOR POOL SHOWER DRAINAGE.



**GROUND FLOOR PLUMBING PLAN**  
 SCALE: 3/32"=1'-0"

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